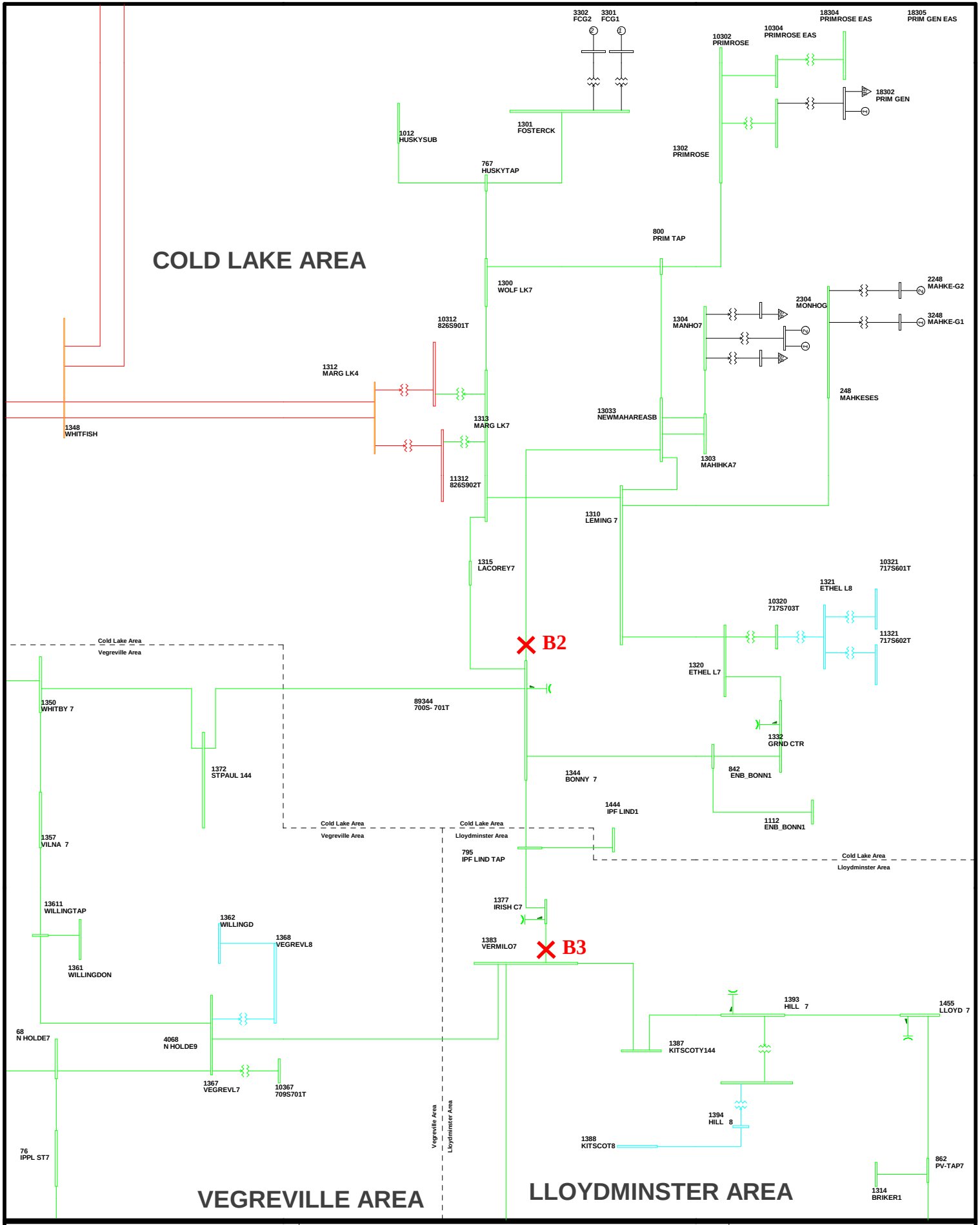
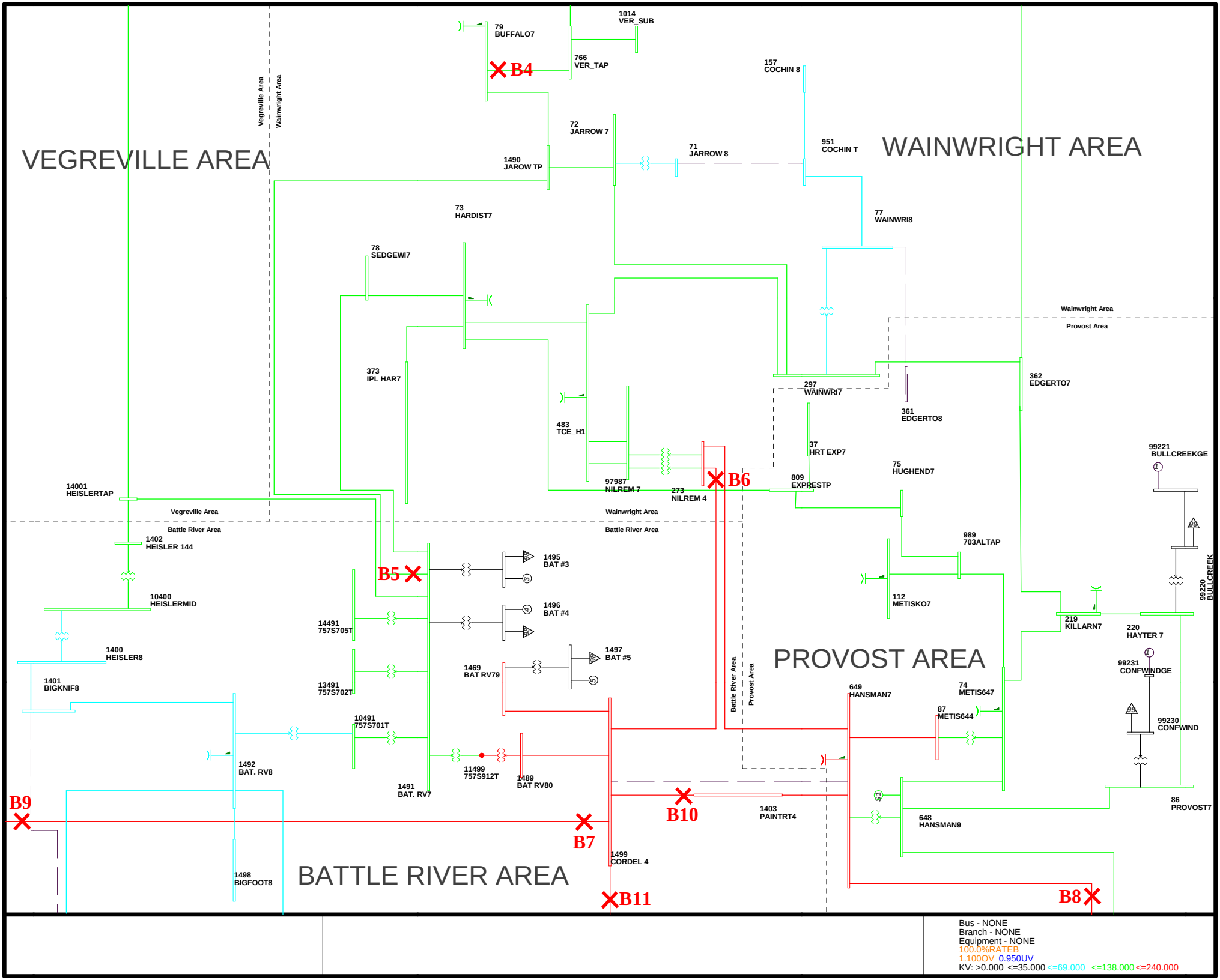
APPENDIX E

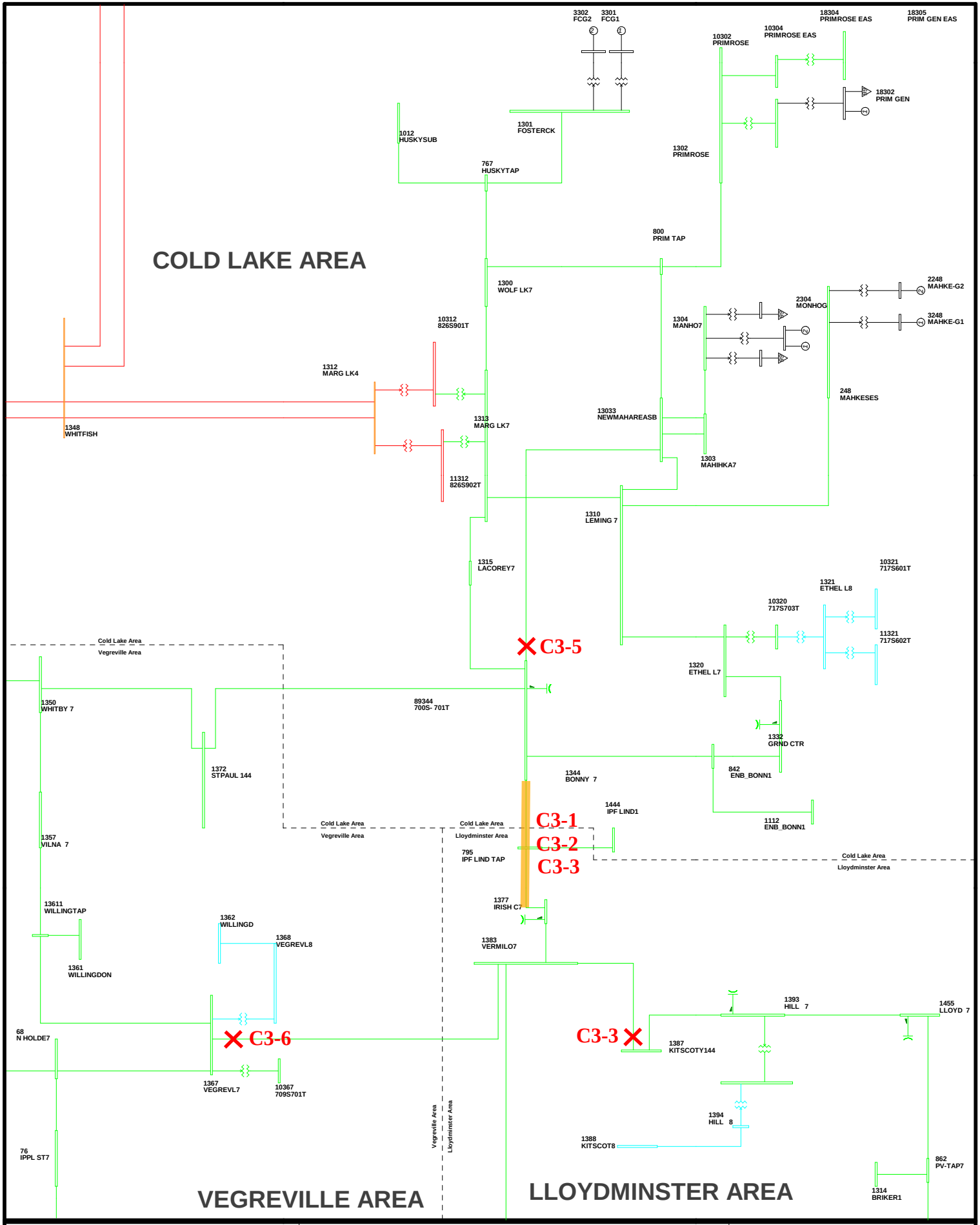
Transient Stability Analysis

Fault Diagrams – Year 2012

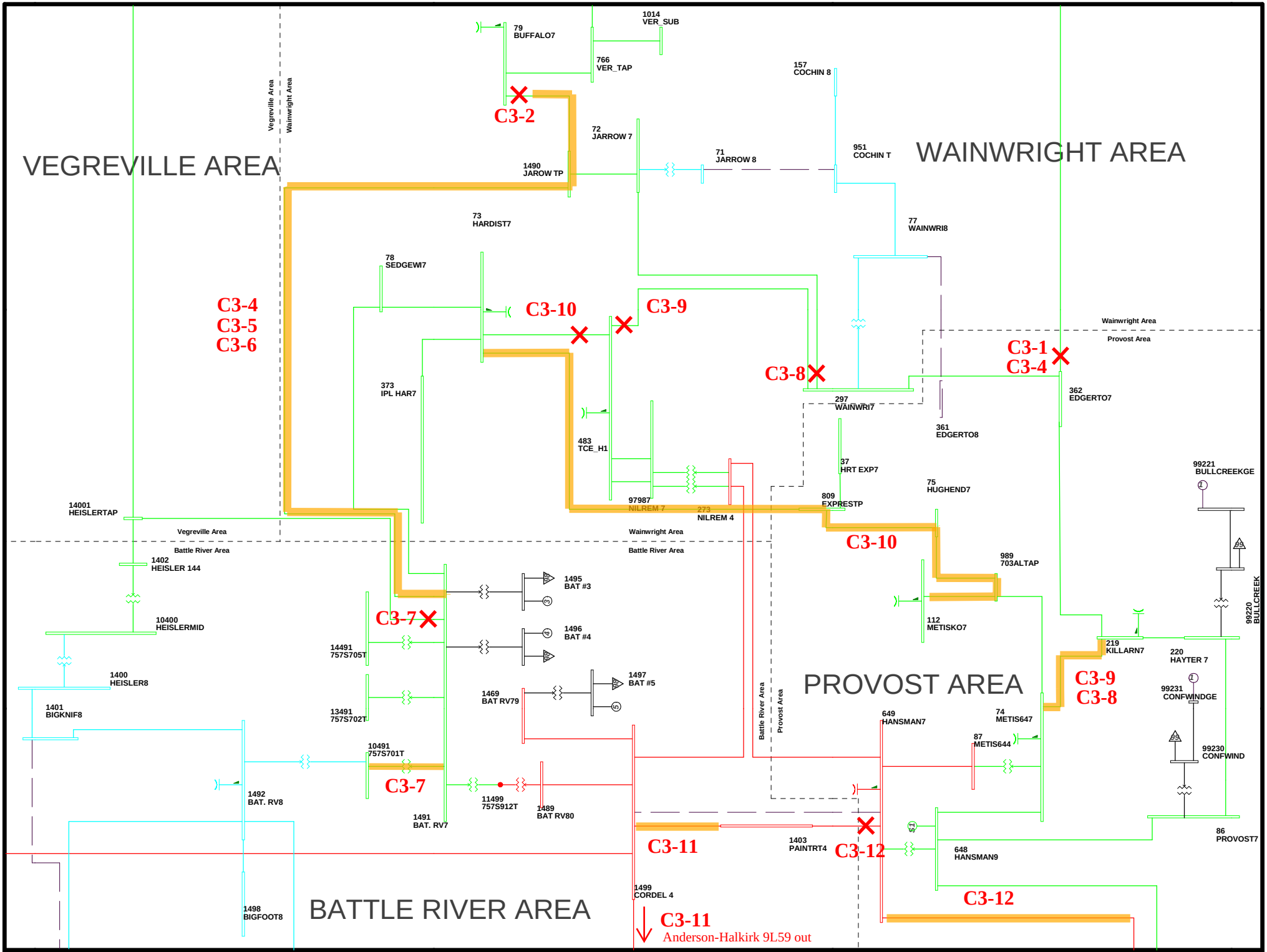


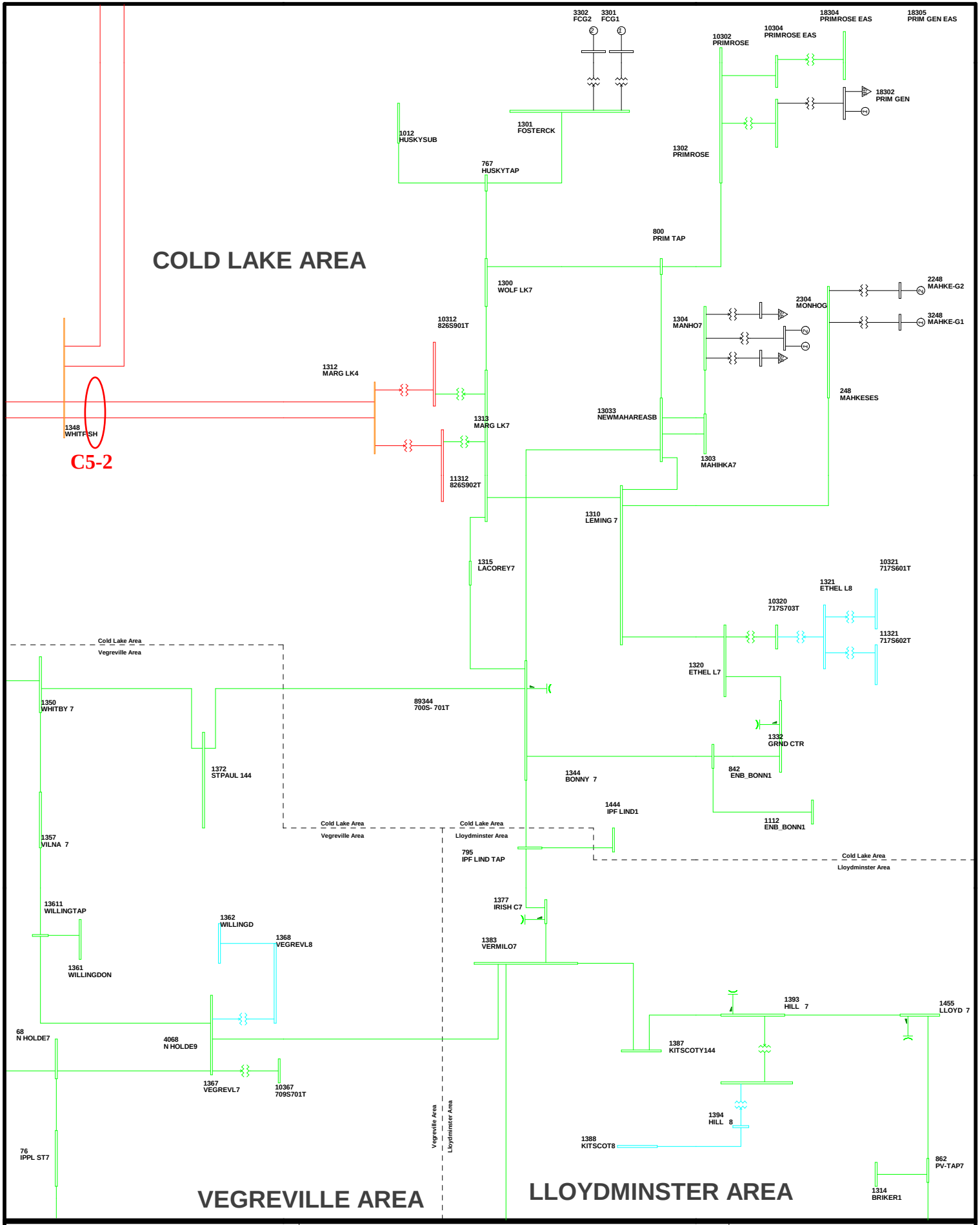
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000


VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Battle River Area
Provost Area
79 BUFFALO7
1014 VER_SUB
766 VER_TAP
B4
157 COCHIN 8
72 JARROW 7
71 JARROW 8
951 COCHIN T
1490 JAROW TP
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
373 IPL HAR7
483 TCE_H1
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
809 EXPRESTP
75 HUGHEND7
97987 NILREM 7
273 NILREM 4
B6
14001 HEISLERTAP
1402 HEISLER 144
10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
B5
1495 BAT #3
1496 BAT #4
1497 BAT #5
14491 757S705T
13491 757S702T
10491 757S701T
1469 BAT RV79
1492 BAT. RV8
1491 BAT. RV7
11499 757S912T
1489 BAT RV80
B9
B7
B10
1403 PAINTRT4
1499 CORDEL 4
1498 BIGFOOT8
B11
989 703ALTAP
112 METISKO7
649 HANSMAN7
74 METIS647
87 METIS644
648 HANSMAN9
B8
99221 BULLCREEKGE
99220 BULLCREEK
219 KILLARN7
220 HAYTER 7
99231 CONFWINDGE
99230 CONFWIND
86 PROVOST7
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000 <=35.000 <=69.000 <=138.000 <=240.000

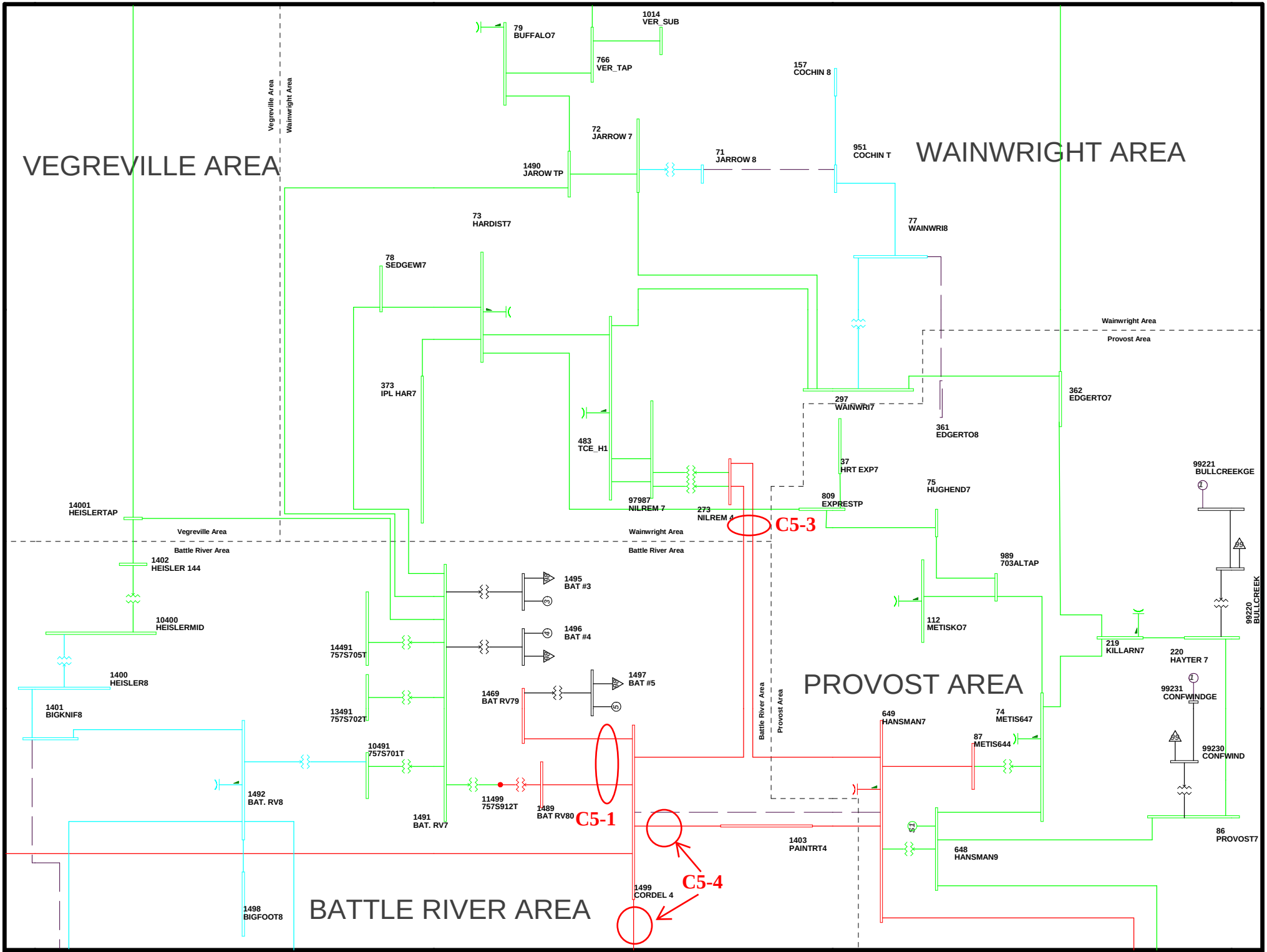


Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000

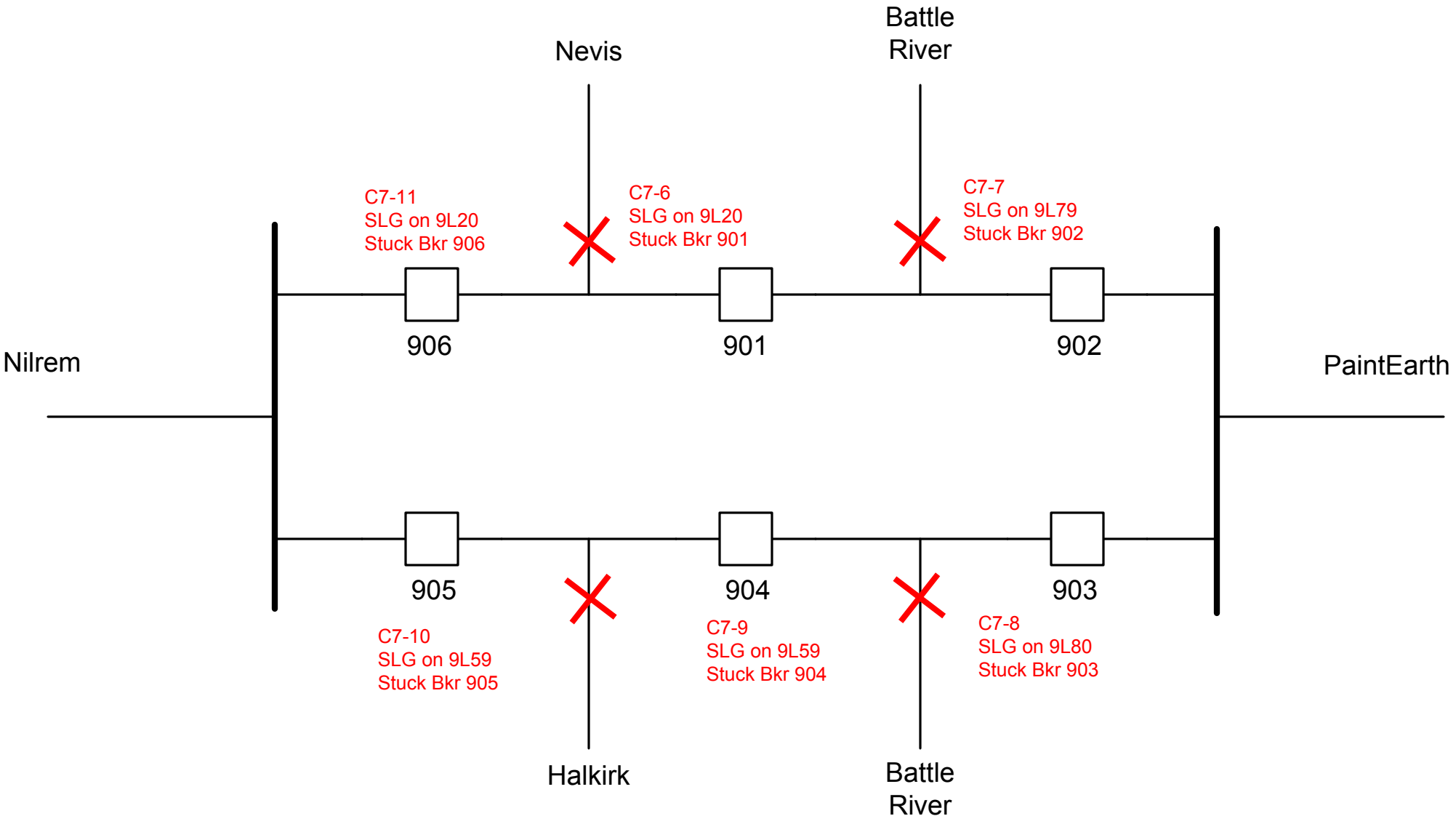

VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Provost Area
Battle River Area
79 BUFFALO7
1014 VER_SUB
766 VER_TAP
C3-2
157 COCHIN 8
72 JARROW 7
71 JARROW 8
951 COCHIN T
1490 JAROW TP
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
C3-4
C3-5
C3-6
C3-10
C3-9
C3-8
C3-1
C3-4
373 IPL HAR7
483 TCE_H1
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
75 HUGHEND7
809 EXPRESTP
97987 NILREM 7
273 NILREM 4
99221 BULLCREEKGE
99220 BULLCREEK
14001 HEISLERTAP
1402 HEISLER 144
10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
1498 BIGFOOT8
1495 BAT #3
1496 BAT #4
1497 BAT #5
C3-7
14491 757S705T
13491 757S702T
10491 757S701T
1469 BAT RV79
1492 BAT. RV8
1491 BAT. RV7
11499 757S912T
1489 BAT RV80
989 703ALTAP
112 METISKO7
219 KILLARN7
220 HAYTER 7
99231 CONFWINDGE
99230 CONFWIND
86 PROVOST7
649 HANSMAN7
74 METIS647
87 METIS644
C3-9
C3-8
C3-11
1403 PAINTRT4
C3-12
648 HANSMAN9
1499 CORDEL 4
C3-11
Anderson-Halkirk 9L59 out
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000 <=35.000 <=69.000 <=138.000 <=240.000



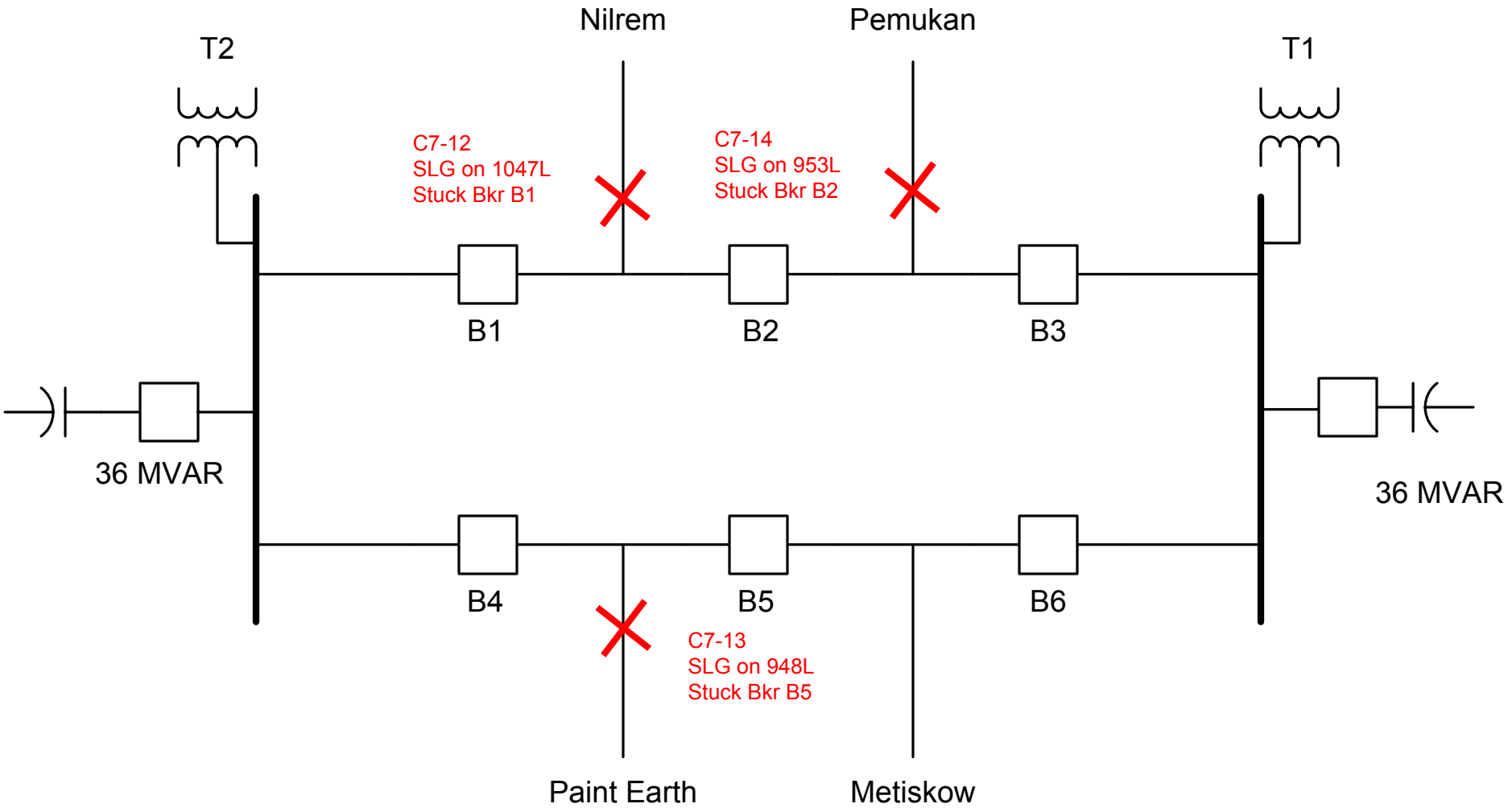
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000


VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Provost Area
Battle River Area
1014 VER_SUB
79 BUFFALO7
766 VER_TAP
157 COCHIN 8
72 JARROW 7
71 JARROW 8
951 COCHIN T
1490 JAROW TP
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
373 IPL HAR7
483 TCE_H1
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
809 EXPRESTP
75 HUGHEND7
97987 NILREM 7
273 NILREM 4
C5-3
14001 HEISLERTAP
1402 HEISLER 144
10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
1495 BAT #3
1496 BAT #4
1497 BAT #5
14491 757S705T
13491 757S702T
10491 757S701T
1469 BAT RV79
1492 BAT. RV8
1491 BAT. RV7
11499 757S912T
1489 BAT RV80
C5-1
C5-4
1403 PAINTRT4
1499 CORDEL 4
1498 BIGFOOT8
989 703ALTAP
112 METISKO7
649 HANSMAN7
74 METIS647
87 METIS644
648 HANSMAN9
99221 BULLCREEKGE
99220 BULLCREEK
219 KILLARN7
220 HAYTER 7
99231 CONFWINDGE
99230 CONFWIND
86 PROVOST7
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000 <=35.000 <=69.000 <=138.000 <=240.000

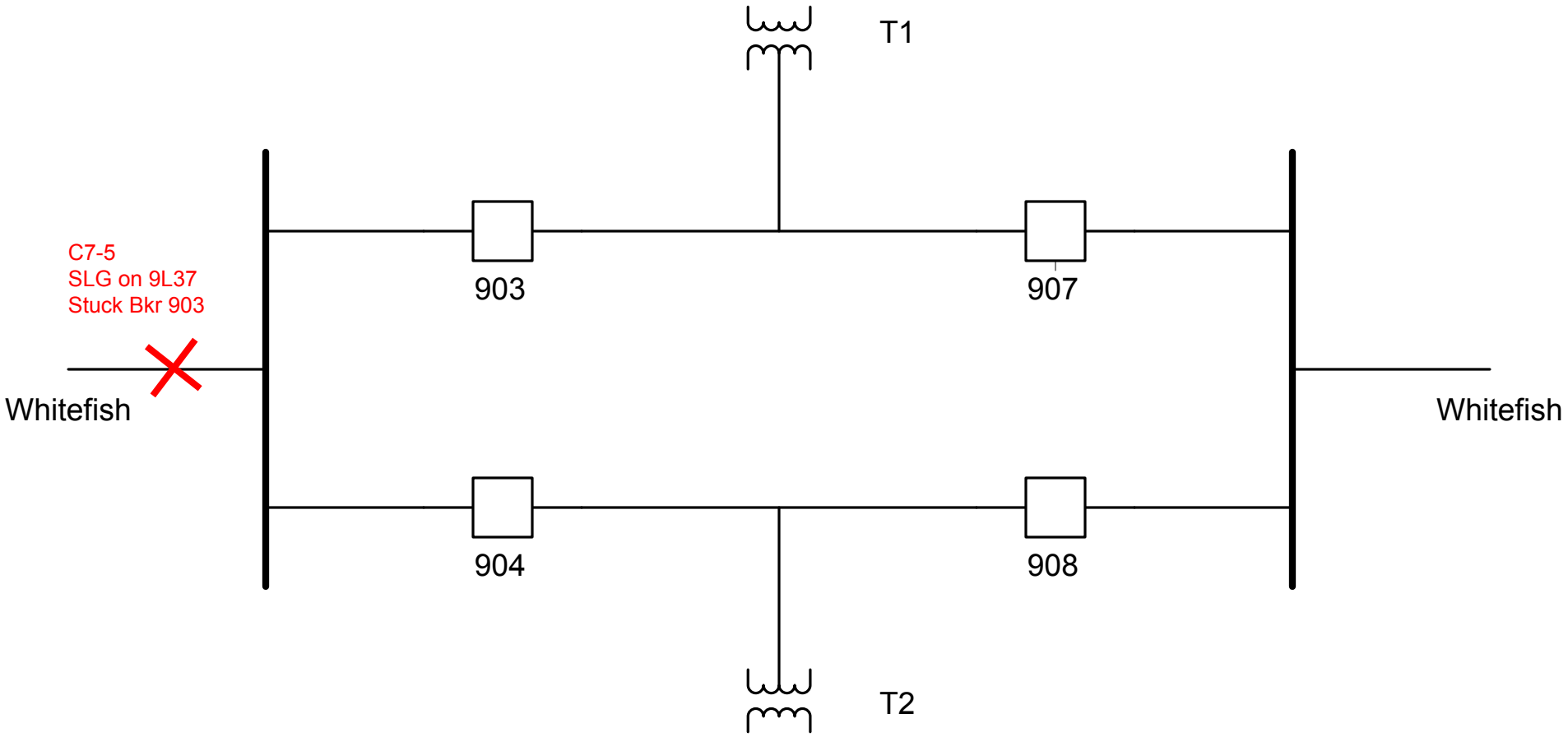
Definition of C7 - Cordel Substation 755S



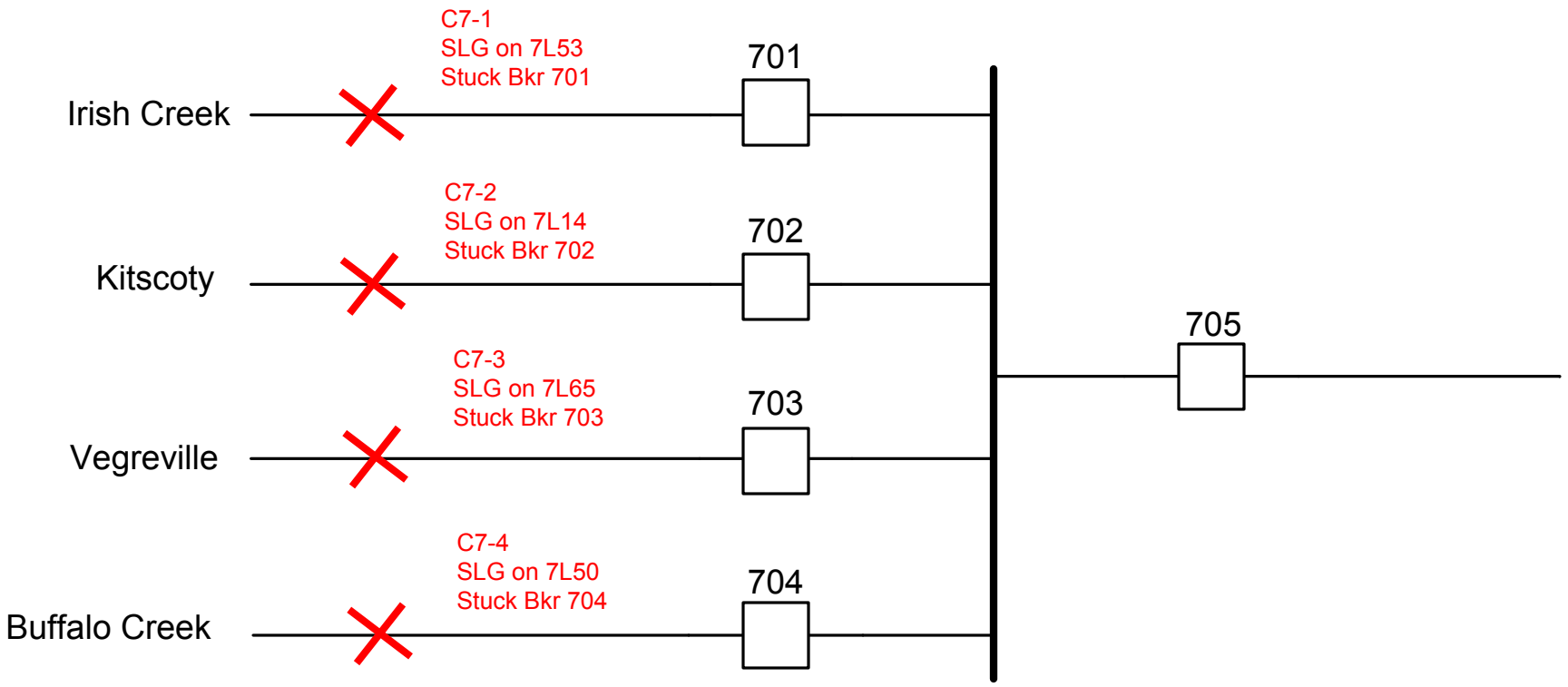
Definition of C7 - Hansman Lake Substation 650S

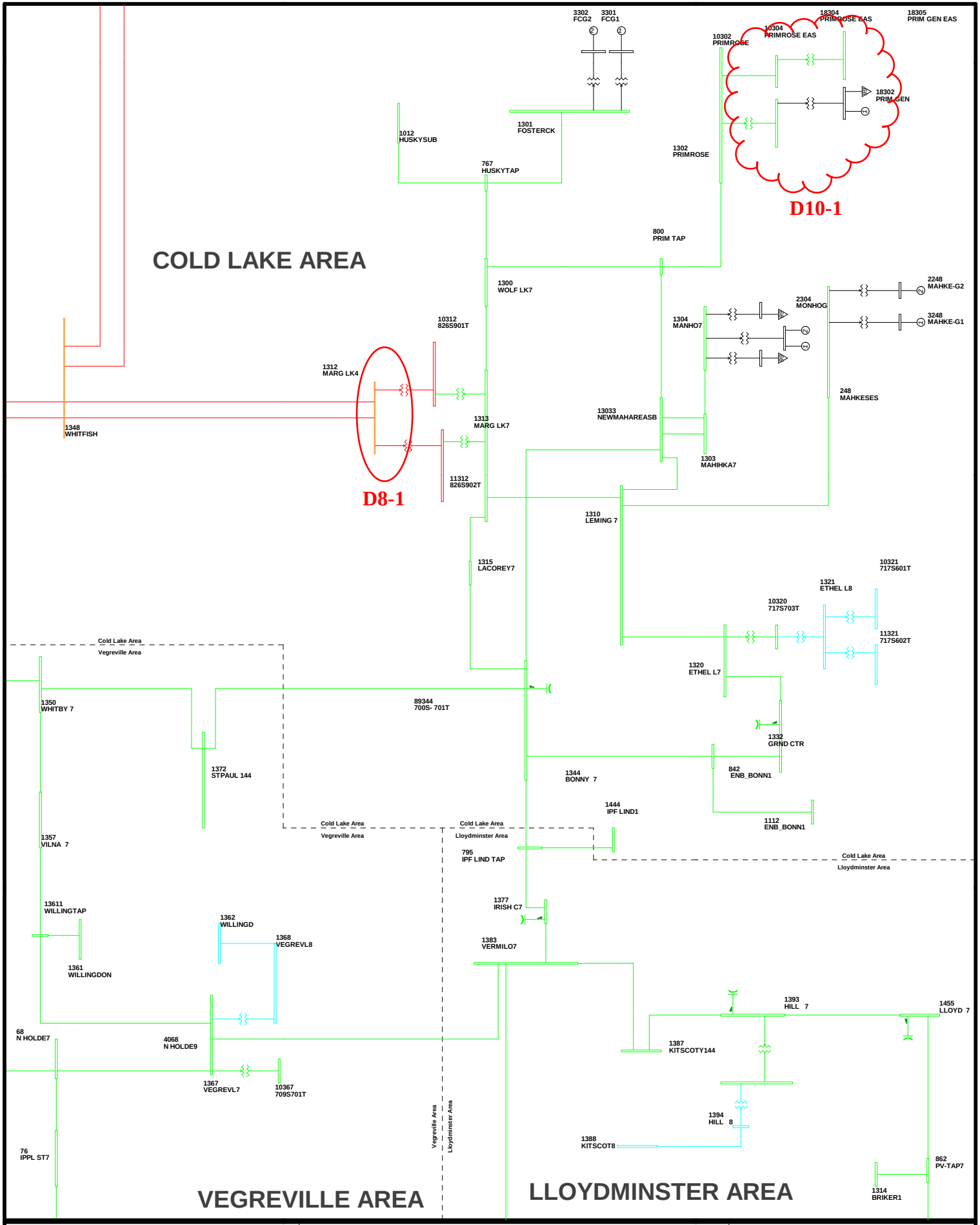


Definition of C7 - Marguerite Lake Substation 826S

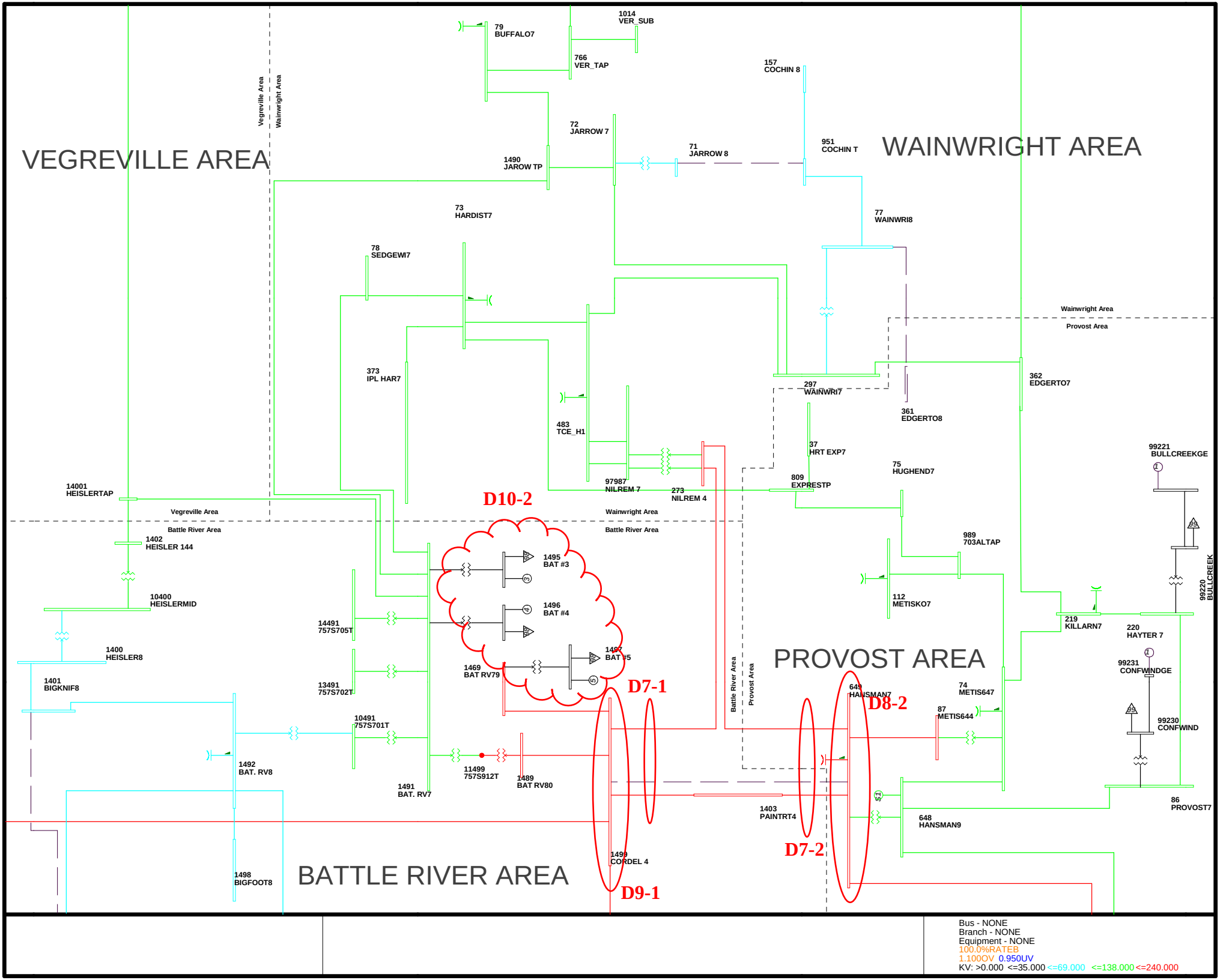


Definition of C7 - Vermilion Substation 710S





Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000


VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Provost Area
Battle River Area
79 BUFFALO7
1014 VER_SUB
766 VER_TAP
157 COCHIN 8
72 JARROW 7
71 JARROW 8
951 COCHIN T
1490 JAROW TP
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
373 IPL HAR7
483 TCE_H1
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
809 EXPRESTP
75 HUGHEND7
97987 NILREM 7
273 NILREM 4
14001 HEISLERTAP
1402 HEISLER 144
10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
1492 BAT. RV8
1498 BIGFOOT8
1491 BAT. RV7
14491 757S705T
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10491 757S701T
11499 757S912T
1489 BAT RV80
1469 BAT RV79
1495 BAT #3
1496 BAT #4
1497 BAT #5
D10-2
D7-1
D7-2
D8-2
D9-1
1499 CORDEL 4
1403 PAINTRT4
649 HANSMAN7
648 HANSMAN9
74 METIS647
87 METIS644
112 METISKO7
989 703ALTAP
219 KILLARN7
220 HAYTER 7
99221 BULLCREEKGE
99220 BULLCREEK
99231 CONFWINDGE
99230 CONFWIND
86 PROVOST7
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000 <=35.000 <=69.000 <=138.000 <=240.000

Dynamic Stability Plots

2012 Winter Peak

Summary of Results

Table - 1 2012 Winter Peak Load Category B Contingencies

Case ID	Description	Observation
	Category B Faults	
B1	No B1 fault for 2012. Marguerite Lake -- New Mahihkan not in service until 2017.	
B2	New Mahihkan -- Bonnyville 144 kV line 3Ø fault 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable Good voltage recovery No load shedding
B3	Irish Creek -- Vermilion 144 kV line 3Ø fault 6 cycles: trip CB at Irish Creek 8 cycles: trip CB at Vermilion	System stable Good voltage recovery No load shedding
B4	Vermilion -- Buffalo Creek 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Buffalo Creek	System stable[1] Good voltage recovery No load shedding
B5	Buffalo Creek -- Battle River 7L50 kV line 3Ø fault 6 cycles: trip CB at Buffalo Creek 8 cycles: trip CB Battle River	System stable Good voltage recovery No load shedding
B6	Cordel -- Nilrem 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nilrem	System stable[2] Good voltage recovery No load shedding
B7	Nevis -- Cordel 240 kV line 3Ø fault 5 cycles: trip CB at Nevis 6 cycles: trip CB at Cordel	System stable[1] Good voltage recovery No load shedding
B8	Hansman -- Pemukan 240 kV line 3Ø fault 5 cycles: trip CB at Hansman 6 cycles: trip CB at Pemukan	System stable Good voltage recovery No load shedding
B9	Cordel -- Nevis 240 kV line 9L20 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nevis	System stable[1] Good voltage recovery No load shedding
B10	Cordel -- Paint Earth 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Paint Earth	System stable Good voltage recovery No load shedding
B11	Cordel -- Halkirk 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Halkirk	System stable[2] Good voltage recovery No load shedding

[1] Slight increase in rotor angles but stable as demonstrated by machine speed. Machine power and comparison of absolute and relative machine rotor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point while the relative rotor angle shows that the system as a whole is stable)

[2] East Cordel machines show damped absolute and relative machine rotor angles. System is stable as shown by machine speed and machine power.

Table - 2 2012 Winter Peak Load Category C3 Contingencies

Case ID	Description	Observation
	C3 N-1-1 Faults	
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-1	Lloydminster -- Edgerton 144 kV line 3Ø fault 6 cycles: trip CB at Lloydminster 8 cycles: trip CB at Edgerton	System stable Good voltage recovery No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-2	Battle River -- Buffalo Creek 144 kV 3Ø fault 6 cycles: trip CB at Battle River 8 cycles: trip CB at Buffalo Creek	System stable[1] Good voltage recovery No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-3	Vermilion -- Kitscoty 144 kV 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Kitscoty	System stable Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-4	Lloydminster -- Edgerton 144 kV line 3Ø fault 6 cycles: trip CB at Lloydminster 8 cycles: trip CB at Edgerton	System stable[1] Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-5	New Mahihkan -- Bonnyville 144 kV line 3Ø f 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable[2] Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-6	Vermilion -- Vegreville 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Vegreville	System stable Good voltage recovery No load shedding
	Loss of 701T Battle River AND	
C3-7	Heisler -- Battle River 6L05 kV line 3Ø fault 6 cycles: trip CB at Heisler 8 cycles: trip CB at Heisler	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-8	Jarrow -- Wainwright 144 kV line 3Ø fault 6 cycles: trip CB at Jarrow 8 cycles: trip CB at Wainwright	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-9	Wainwright -- Nilrem 144 kV line 3Ø fault 6 cycles: trip CB at Wainwright 8 cycles: trip CB at Nilrem	System stable Good voltage recovery No load shedding

[1] Slight increase in rotor angles but stable as demonstrated by machine speed. Machine power and comparison of absolute and relative machine rotor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] East Cordel machines show damped absolute and relative machine rotor angles. System is stable as shown by machine speed and machine power.

Table - 2 2012 Winter Peak Load Category C3 Contingencies

(Continued)

Case ID	Description	Observation
	Loss of 749L Metiskow to Hardisty AND	
C3-10	Hardisty -- Nilrem 144 kV line 3Ø fault 6 cycles: trip CB at Hardisty 8 cycles: trip CB at Nilrem	System stable with UVLS scheme[1] Good voltage recovery Two motor loads in Wainwright area trip[2]
	Loss of 9L26 Cordel to PaintEarth AND	
C3-11	Anderson -- Halkirk 240 kV line 9L59 3Ø fault 5 cycles: trip CB at Anderson 6 cycles: trip CB at Halkirk	System stable[1] Good voltage recovery No load shedding
	Loss Hansman Pemukan AND	
C3-12	PaintEarth -- Hansman 240 kV line 9L59 3Ø fa 5 cycles: trip CB at PaintEarth 6 cycles: trip CB at Hansman	System stable Good voltage recovery No load shedding

[1] Rotor angle increase indicates non-oscillatory instability but system is stable as illustrated by behavior of machine power, machine speed with time and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] Two motor loads at Tucuman trip under UVLS scheme. UVLS requires instantaneous (3 cycle) trip of motor loads at Tucuman & Nilrem.

Table - 3 2012 Winter Peak Load Category C5 Contingencies

Case ID	Description	Observation
	Category C5 Faults	
C5-1	Double SLG fault at Cordel on Cordel to Battle River double circuit circuit line 5 cycles: trip 2 circuit breakers at Cordel 6 cycles: trip at Battle River	System stable[1,2] Good voltage recovery No load shedding
C5-2	Double SLG at Whitefish on Whitefish -- Marguerite Lake double circuit line 5 cycles: trip at Whitefish 6 cycles: trip at Marquerite Lake	System stable Good voltage recovery No load shedding
C5-3	Double SLG at Nilrem on double circuit line into Nilrem 5 cycles: trip at Nilrem 6 cycles: trip at Cordel and Hansman Lake	System stable Good voltage recovery No load shedding
C5-4	Double SLG at Cordel on double circuit line 5 cycles: trip at Cordel 6 cycles: trip at Paint Earth and Halkirk	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 4 2012 Winter Peak Load Category C7 Contingencies

Case ID	Description	Observation
	Category C7 Faults	
	Vermilion Substation	
C7-1	SLG fault on 7L53, stuck breaker 701 6 cycles: trip CB at Irish Creek 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-2	SLG fault on 7L14, stuck breaker702 6 cycles: trip CB at Kitscoty 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-3	SLG fault on 7L65, stuck breaker 703 6 cycles: trip CB at Vegreville 18 cycles: trip 144 kV bus at Vermillion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion	
C7-4	SLG fault on 7L50, stuck breaker 704 6 cycles: trip CB at Battle Creek 18 cycles: trip 144 kV bus Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Whitefish	
C7-5	Whitefish -- Marguerite Lake SLG fault on 9L37, stuck breaker 903 6 cycles: trip CB at Whitefish 18 cycles: trip CB 907 at Marguerite Lake	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-6	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 901 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L79 from Cordel to Battle River trip bkr on 9L20 from Nevis to Cordel at Cordel	System stable[2, 3] Good voltage recovery No load shedding

[1] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.

[2] Line to Battle River #5 lost so Battle River separates from system.

[3] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point,
while the relative rotor angle shows that the system as a whole is stable)

Table - 4 2012 Winter Peak Load Category C7 Contingencies

(Continued)

Case ID	Description	Observation
	Category C7 Faults	
	Cordel Substation	
C7-7	SLG fault on 9L79 from Cordel to Battle River. Stuck brk 902 6 cycles: trip bkr on 9L79 from Cordel to Battle River at Battle River 18 cycles trip 9L927 from Cordel to PaintEarth trip bkr on 9L79 from Cordel to Battle River at Cordel	System stable[1,2] Good voltage recovery No load shedding
	Cordel Substation	
C7-8	SLG fault on 9L80 from Cordel to Battle River. Stuck brk 903 6 cycles: trip bkr on 9L80 from Cordel to Battle River at Battle River 18 cycles: trip 9L927 from Cordel to PaintEarth trip bkr on 9L80 from Cordel to Battle River at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-9	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 904 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L80 from cordel to Battle River trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-10	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 905 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L953 from Cordel to Nilrem. Hansman on SLG trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-11	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 906 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L953 from Cordel to Nilrem. trip bkr on 9L20 from Nevis to Cordel at Cordel.	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-12	SLG Nilrem-Hansman near Hansman, stuck breaker (New station no breaker #s assigned 6 cycles: trip @ Nilrem 18 cycles: trip T2 and 1 36 MVAR capbank @ Hansman Lake	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-13	SLG on 948L, stuck breaker 6 cycles: trip PE end of 948L 18 cycles: trip 948L to PE + 954L to Metiskow and Hansman	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-14	SLG on 953L to Pemukan, stuck breaker 6 cycles: trip line Pemukan end at 953L 18 cycles: trip Pemukan + Nilrem to Hansman @ Hansman	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 5 2012 Winter Peak Load Category D Contingencies

Case ID	Description	Observation
	Category D Faults	
D7-1	Trip Cordel -- Paint Earth 9L27 Trip Cordel -- Nilrem 9L953 Lines in common ROW "west side"	System stable[1] Good voltage recovery No load shedding
D7-2	Trip Hansman Lake -- Paint Earth 9L948 Trip Hansman Lake -- Nilrem 953L Lines in common ROW "east side"	System stable Good voltage recovery No load shedding
D8-1	Trip 240 kV lines & transformers @ Marguerite Lake Trip bus 1312	System stable Good voltage recovery No load shedding
D8-2	Trip 240 kV lines & transformer @ Hansman Lake Trip bus 649	System stable Good voltage recovery No load shedding
D9-1	Trip 240 kV lines @ Cordel Trip bus 1499	System stable[2,3] Good voltage recovery No load shedding
D10-1	Loss of all units @ Primrose Trip bus 18302 + 18305	System stable[4] Good voltage recovery No load shedding
D10-2	Loss of all units @ Battle River Trip bus, 1495, 1496, 1497	System stable[5] Good voltage recovery No load shedding

[1] Machine rotor angles decrease, but stable as shown by machine speed, machine power and relative angles.

[2] Line to Battle River #5 lost so Battle River separates from system.

[3] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.

[4] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.
Primrose units are lost so Primrose separates from system.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[5] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.
All Battle River units (#3,#4,#5) are lost so Battle River machines separate from system.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Dynamic Stability Plots

2012 Winter Peak

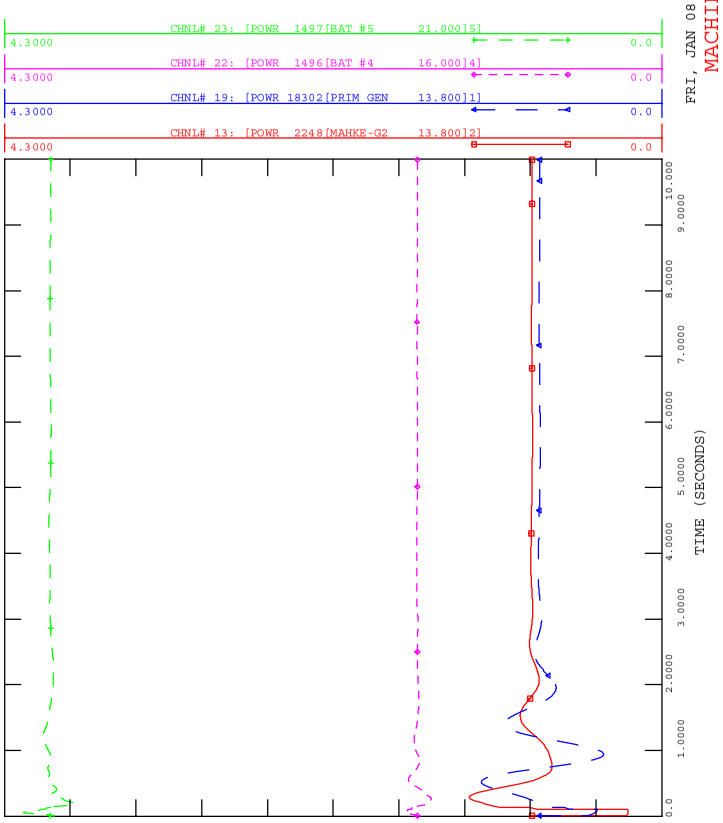
Category B Contingencies

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

MACHINE POWER

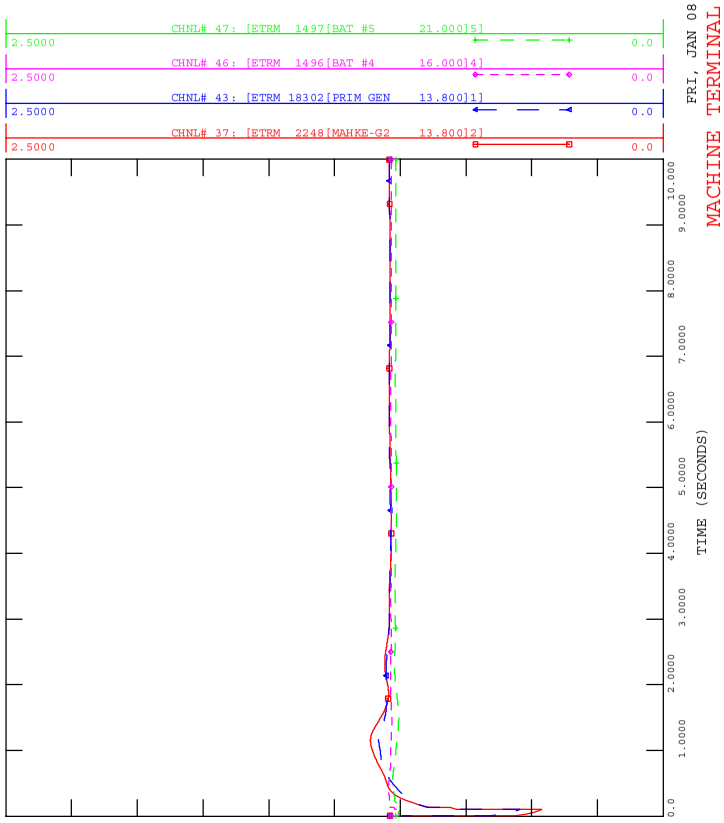


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

MACHINE TERMINAL VOLTAGE

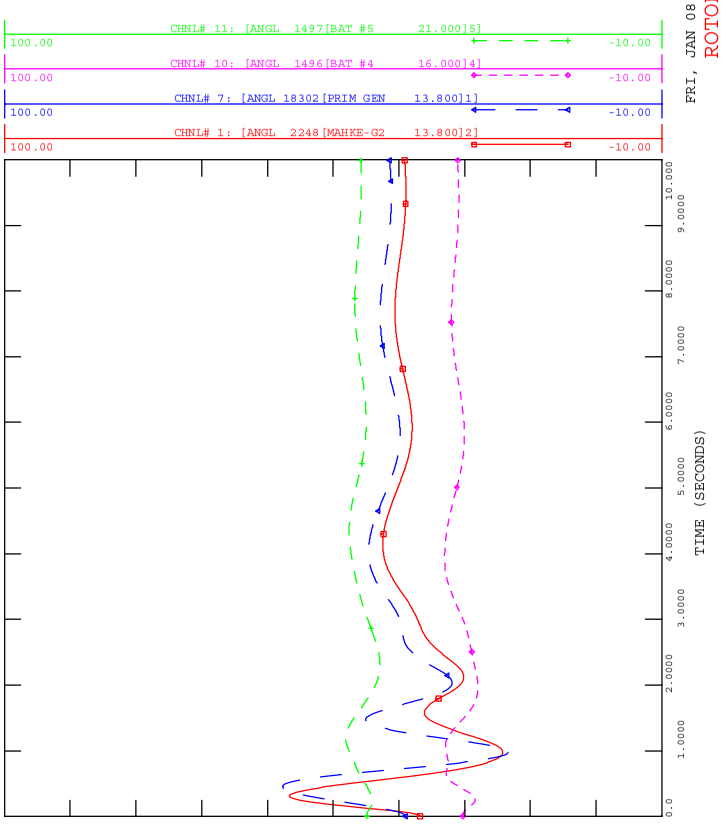


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

ROTOR ANGLES

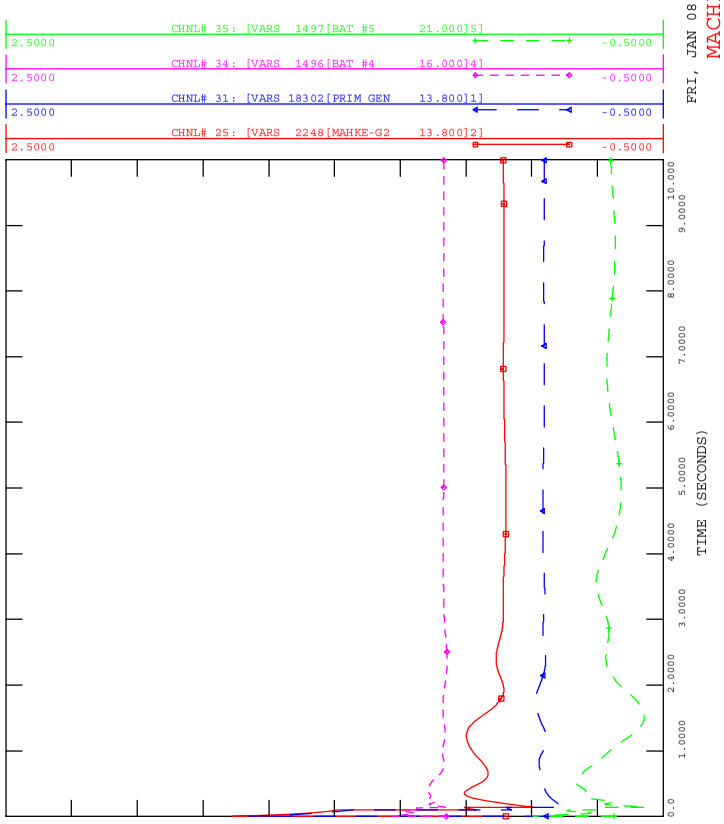


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

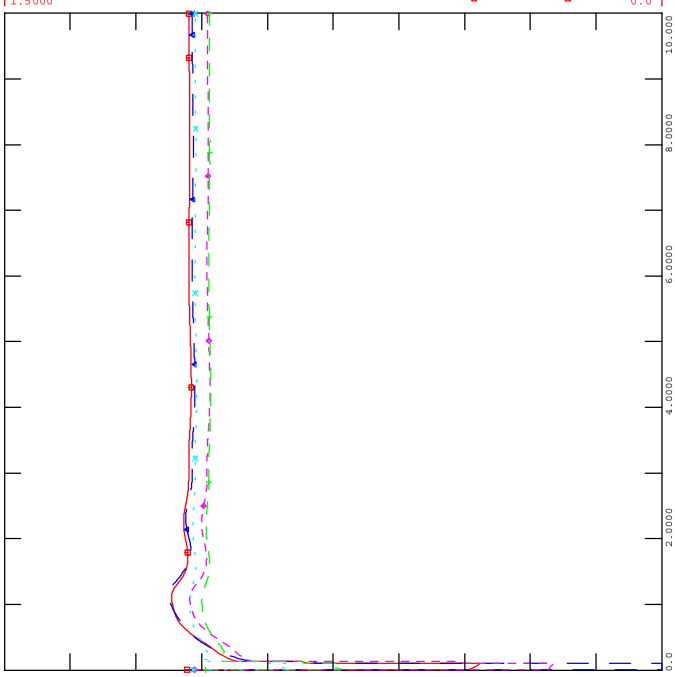
FILE: B2fault.out

FRI, JAN 08 2010 17:43

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 147: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

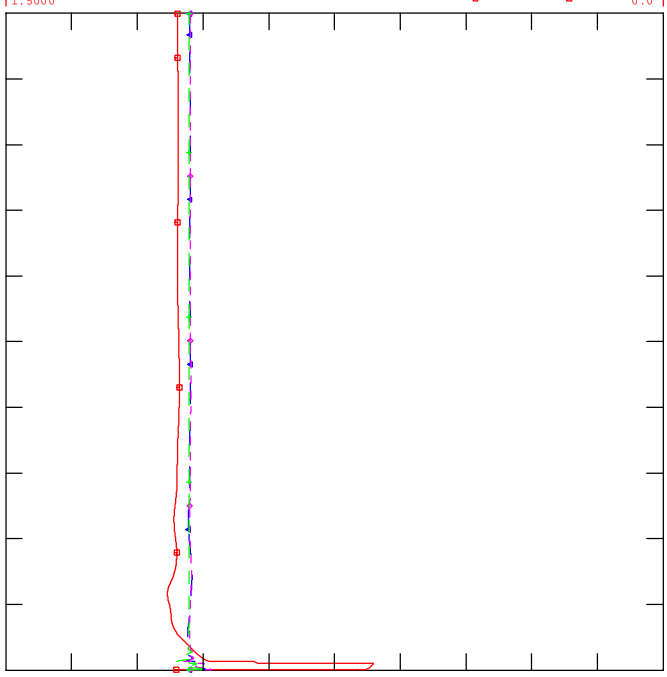
FILE: B2fault.out

FRI, JAN 08 2010 17:43

240 KV BUS VOLTAGES

CHNL# 244: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 241: [VOLT 273 [NILREM 4 240.00]]
CHNL# 216: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

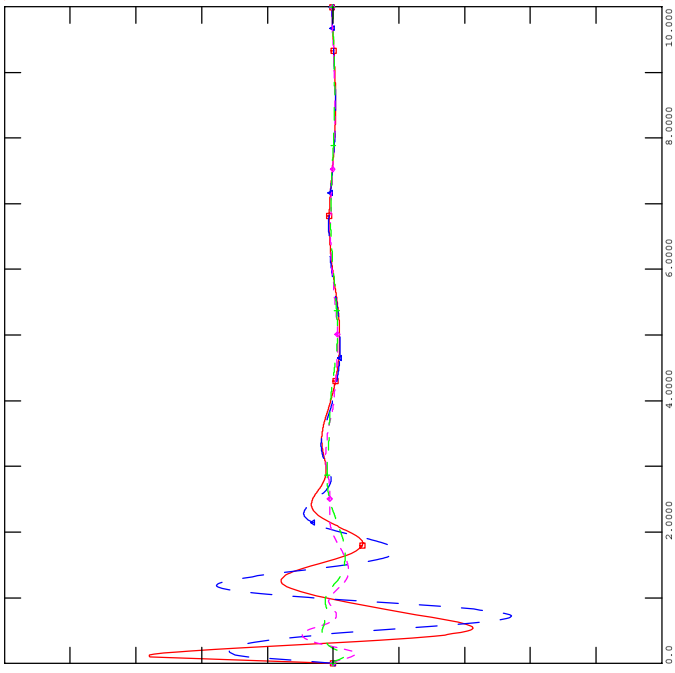
FILE: B2fault.out

FRI, JAN 08 2010 17:43

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

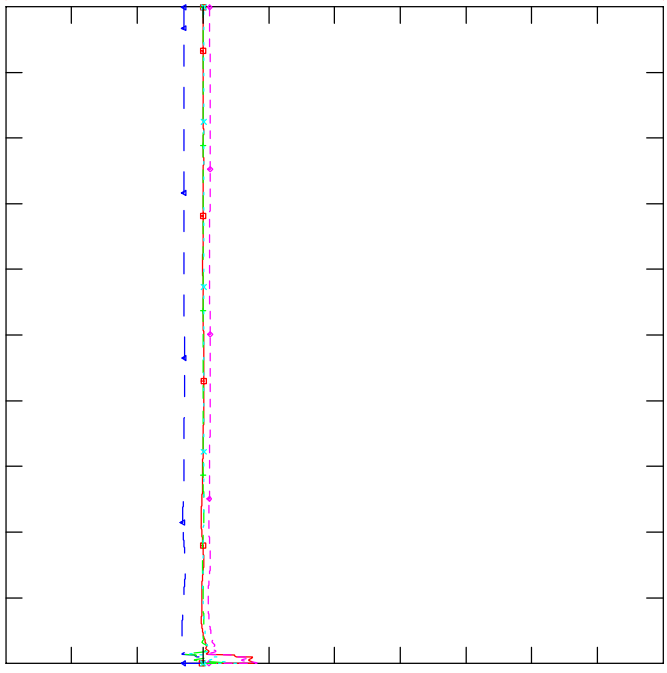
FILE: B2fault.out

FRI, JAN 08 2010 17:43

SOUTH BUS VOLTAGES

CHNL# 239: [VOLT 219 [KILLARN7 138.00]]
CHNL# 234: [VOLT 74 [METIS647 138.00]]
CHNL# 180: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 210: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 263: [VOLT 76 [IPPL ST7 138.00]]

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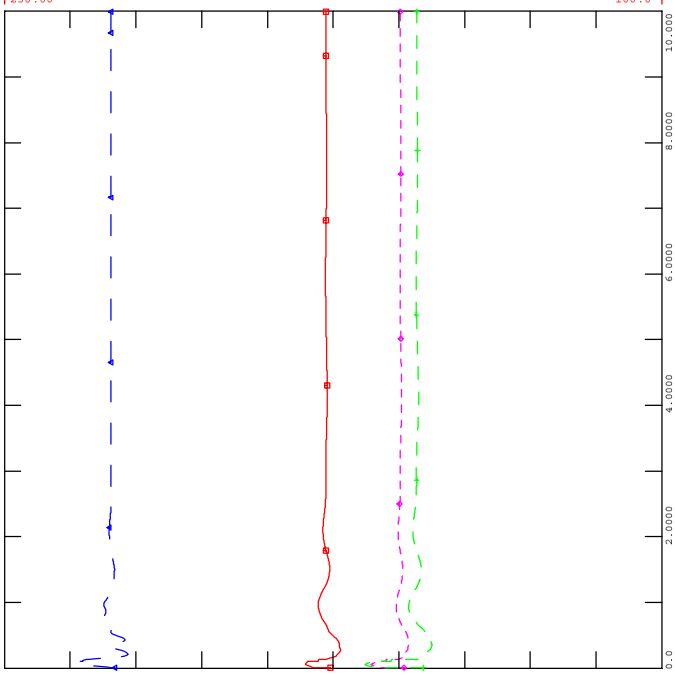
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER] 250.00 -100.0
CHNL# 894: [749AL METISKOW - KILLARNEY LAKE] 250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM] 250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP] 250.00 -100.0



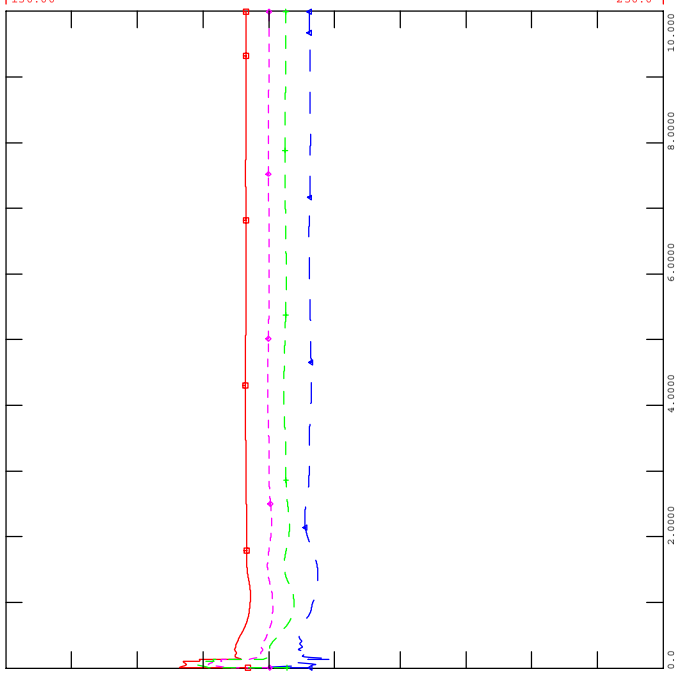
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 895: [749AL METISKOW - KILLARNEY LAKE] 150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0



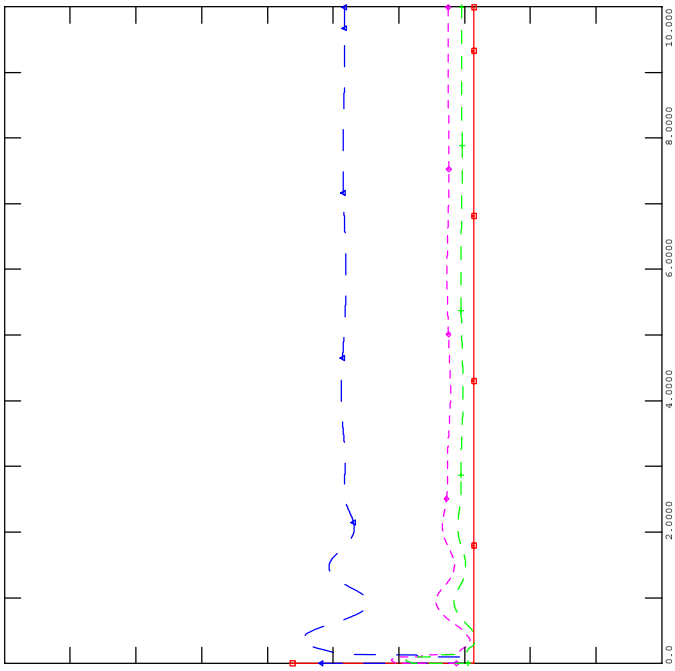
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 594: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0



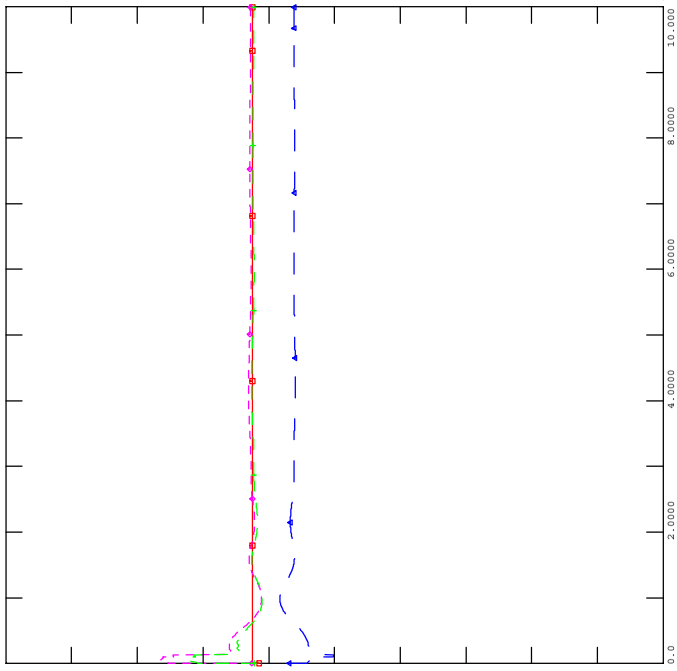
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

FRI, JAN 08 2010 17:43

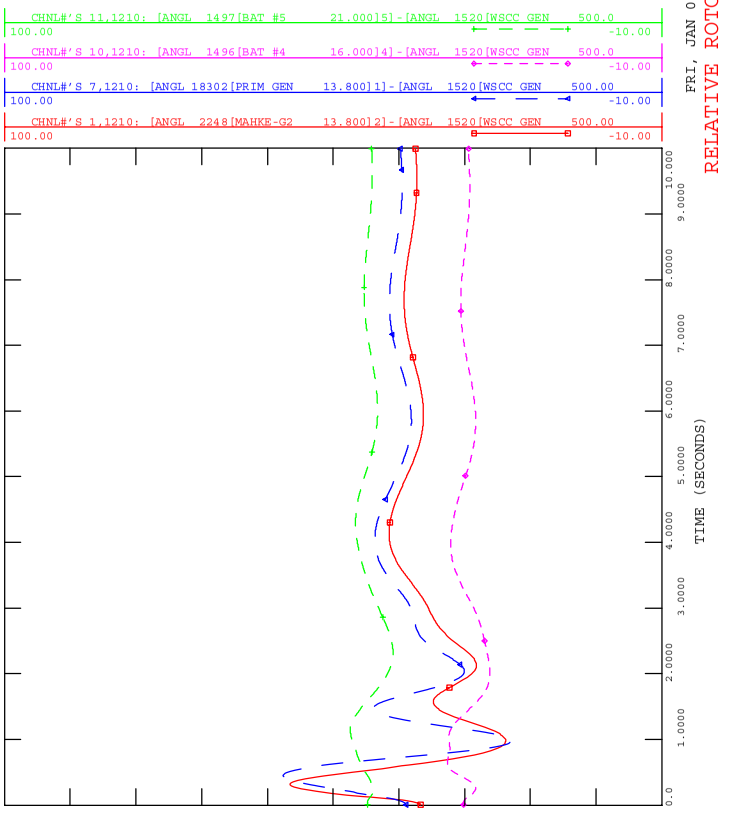
NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE] 150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 595: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

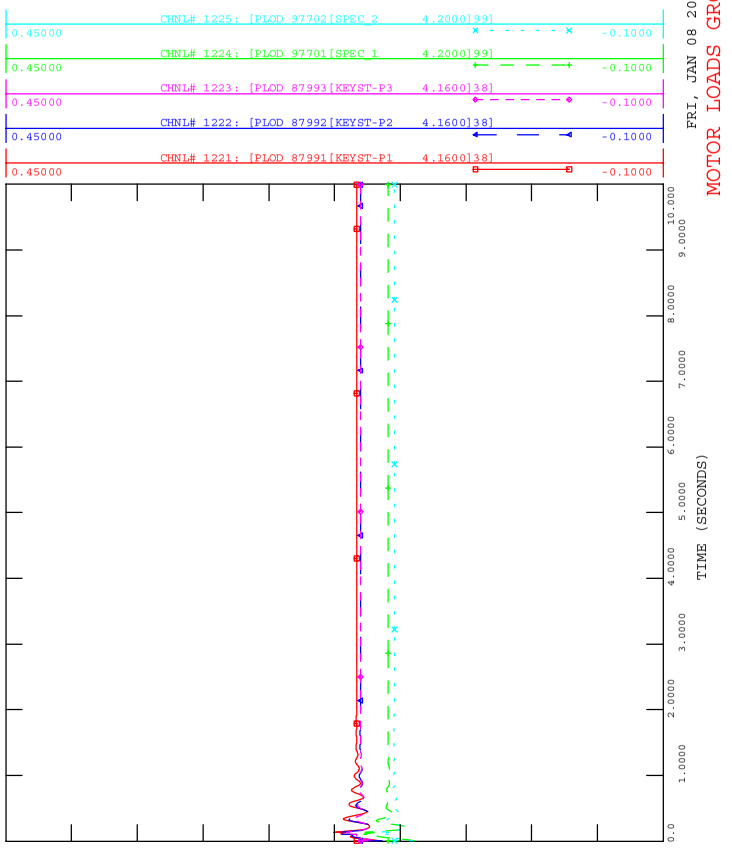


RELATIVE ROTOR ANGLES

FRI, JAN 08 2010 17:43

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

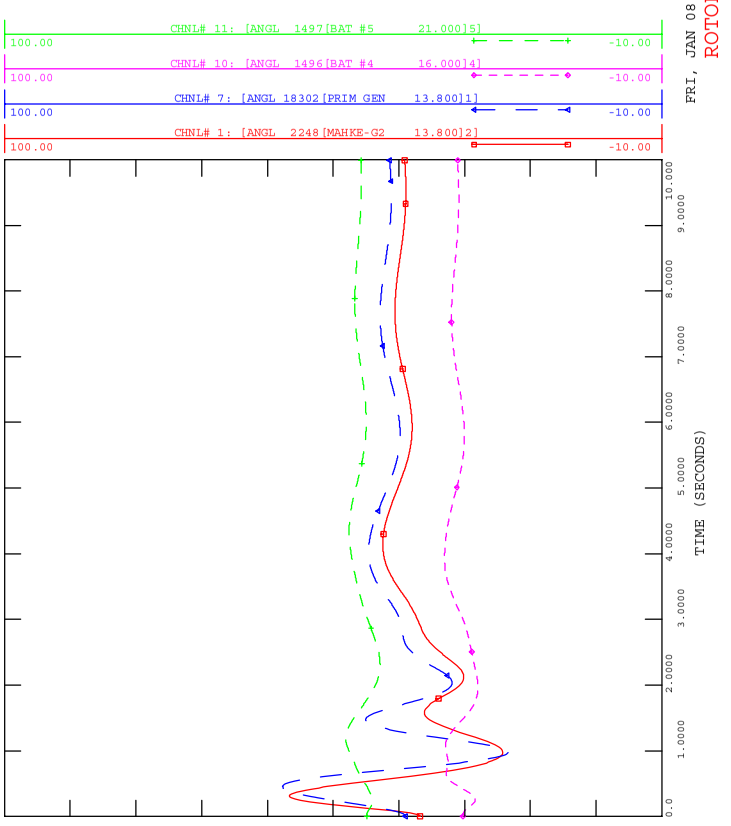


MOTOR LOADS GROUP II

FRI, JAN 08 2010 17:43

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out

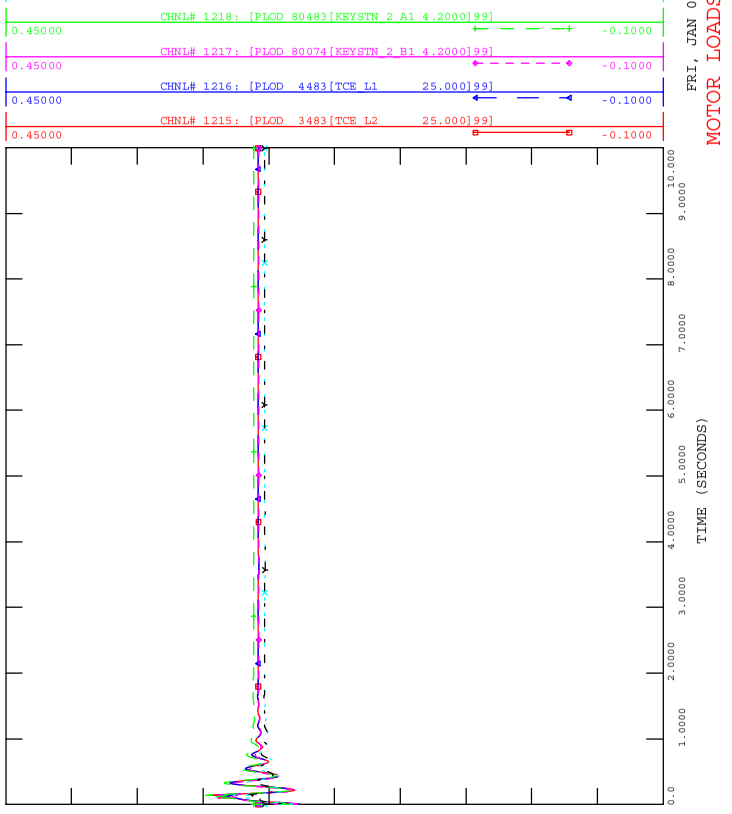


ROTOR ANGLES

FRI, JAN 08 2010 17:43

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B2fault.out



MOTOR LOADS GROUP I

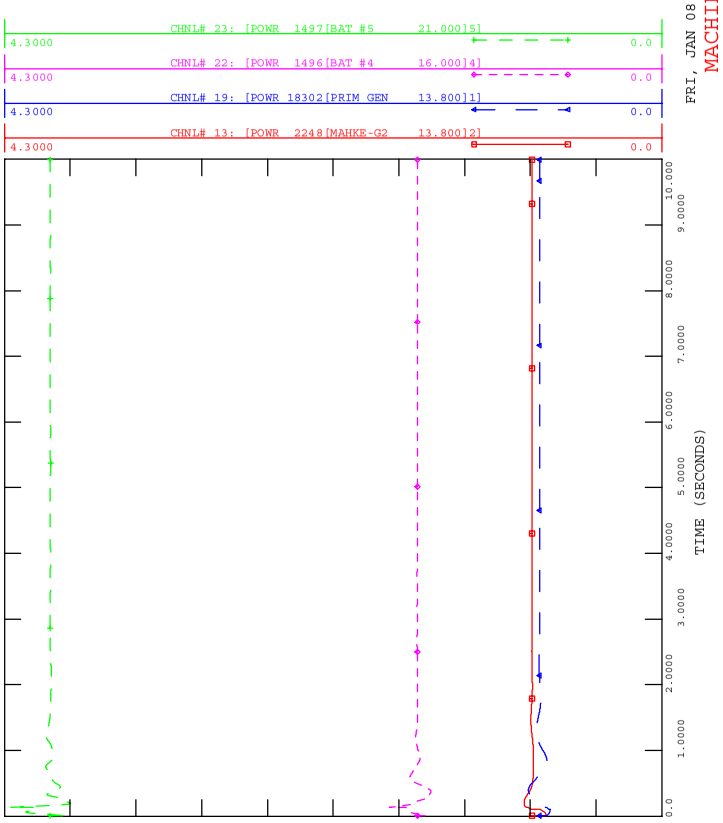
FRI, JAN 08 2010 17:43

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

MACHINE POWER

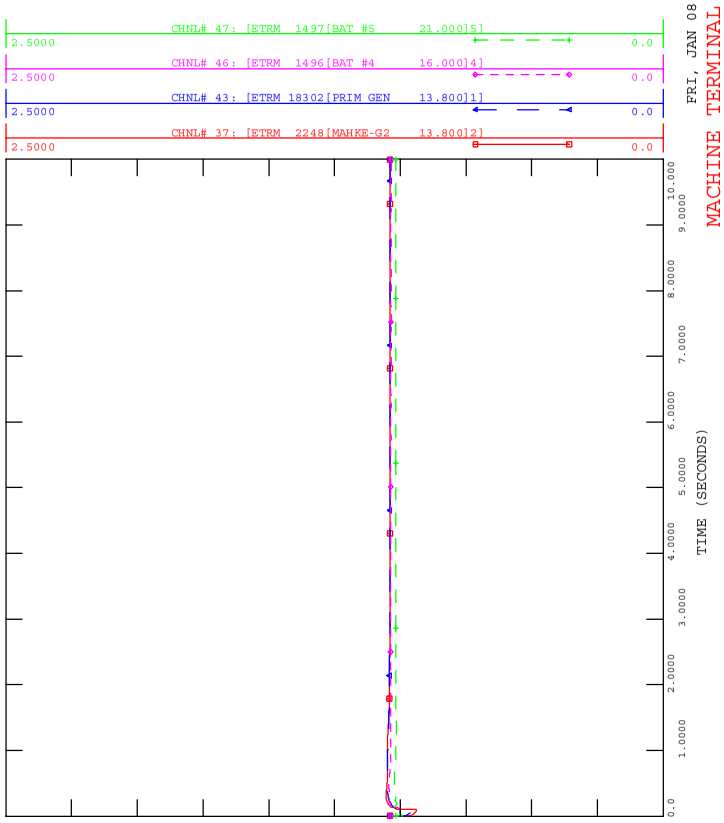


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

MACHINE TERMINAL VOLTAGE

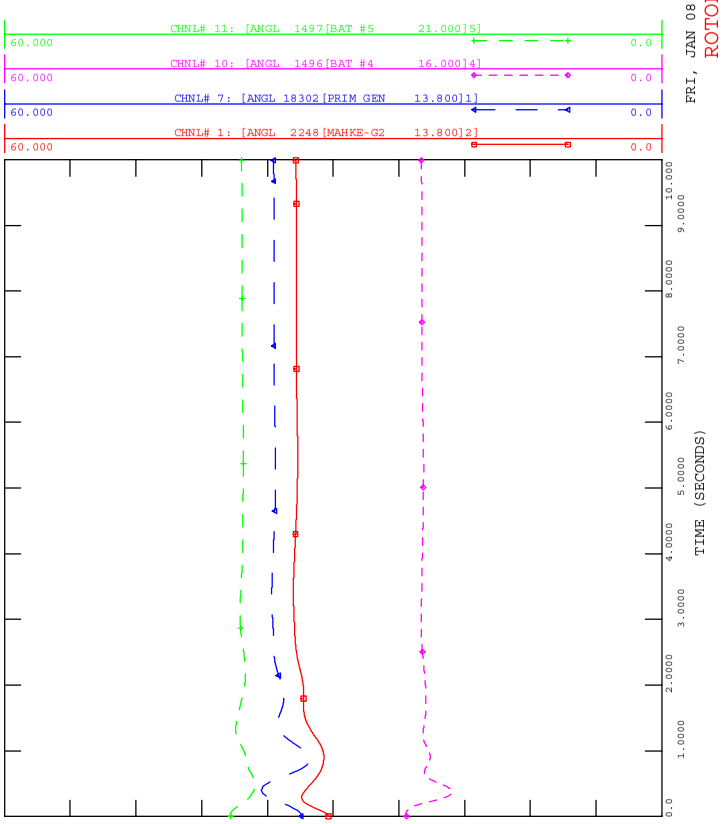


CENTRAL AREA STUDY
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FILE: B3fault.out

FRI, JAN 08 2010 17:31

ROTOR ANGLES

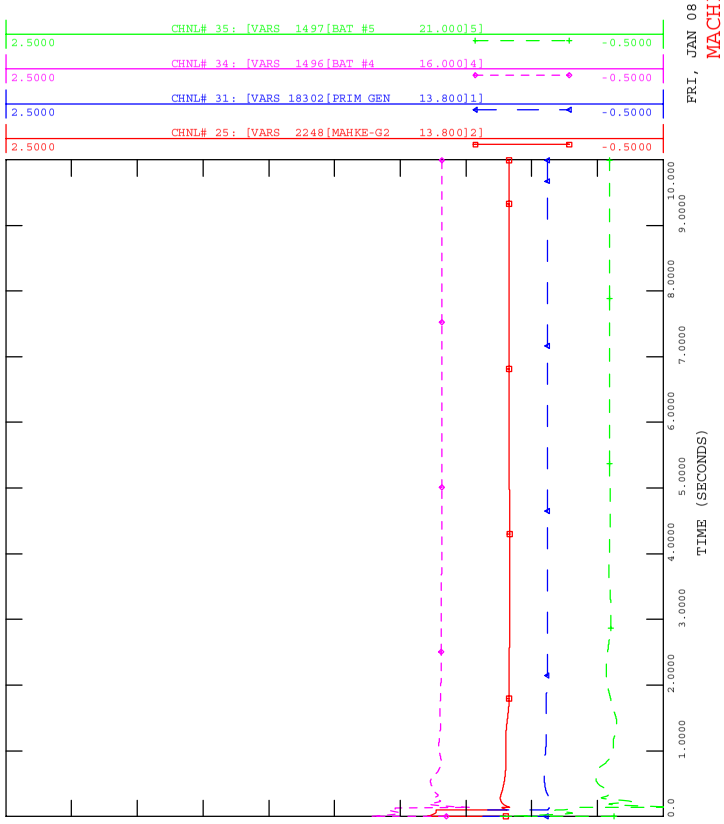


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

MACHINE VARS

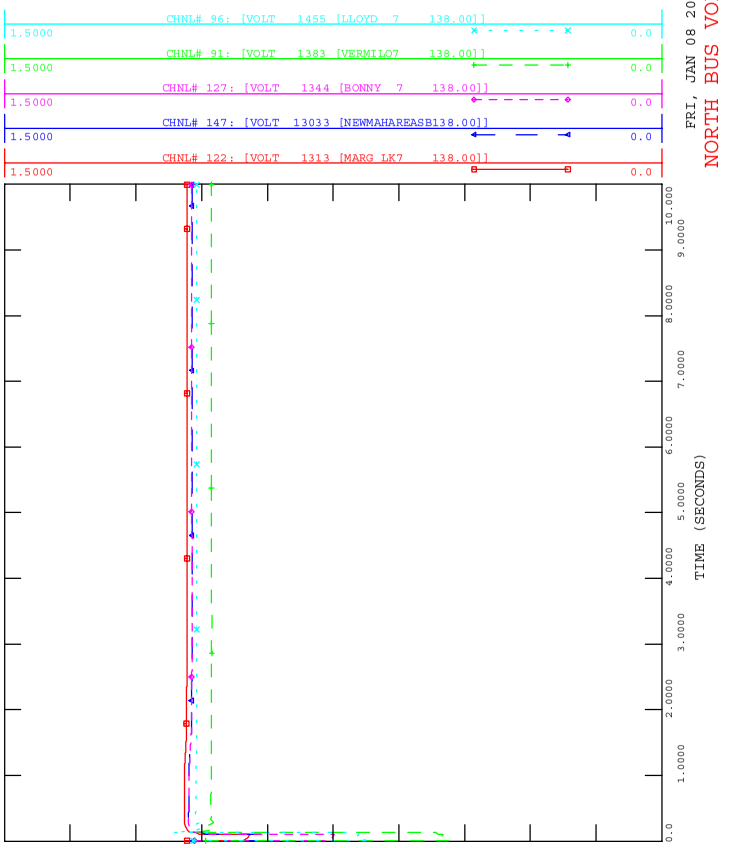


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

NORTH BUS VOLTAGES

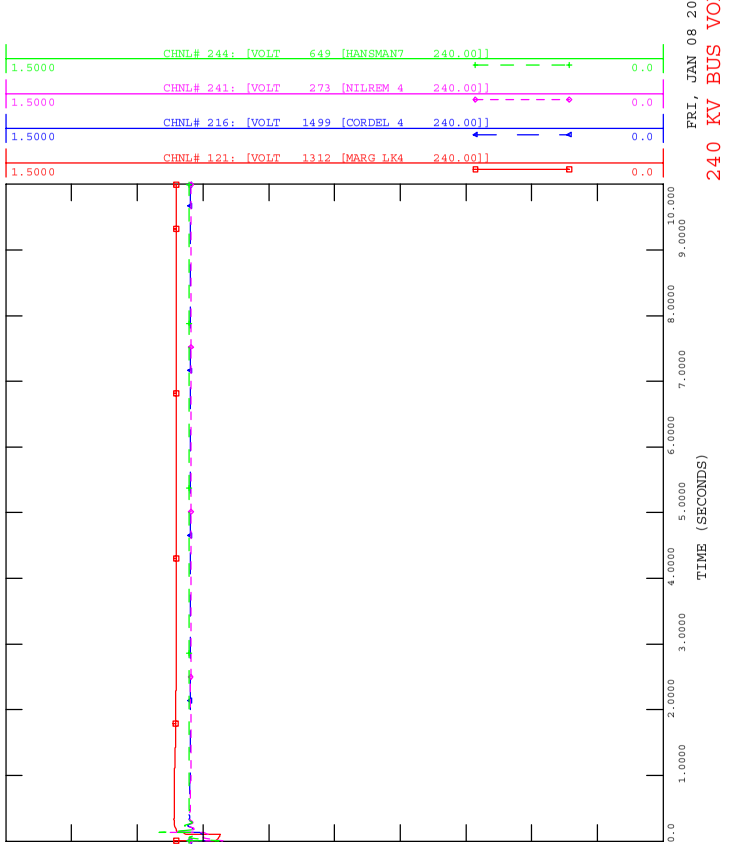


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

240 KV BUS VOLTAGES

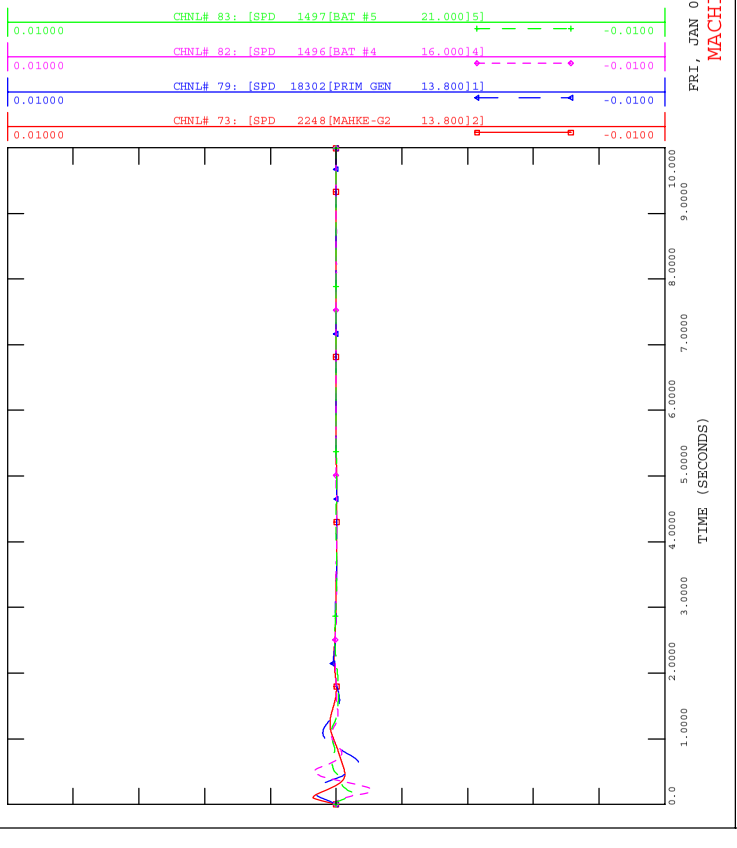


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

MACHINE SPEED

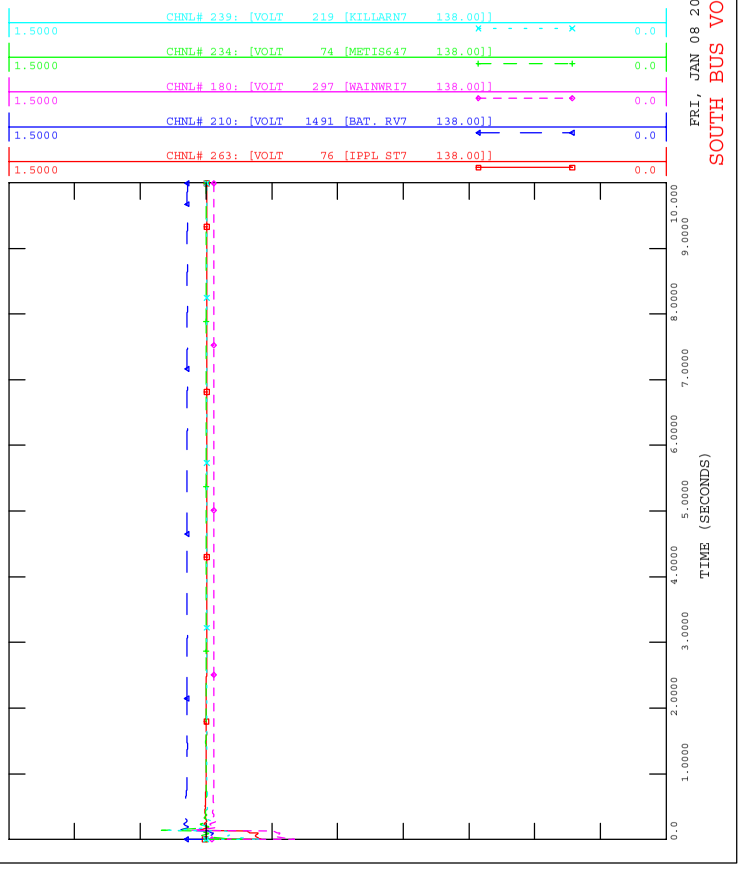


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

SOUTH BUS VOLTAGES

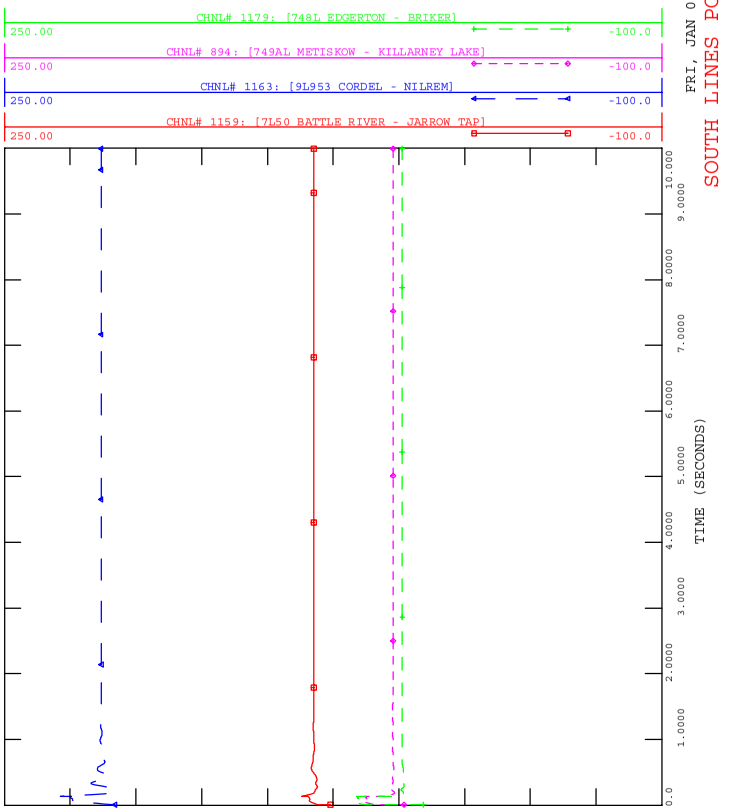


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

SOUTH LINES POWER FLOW

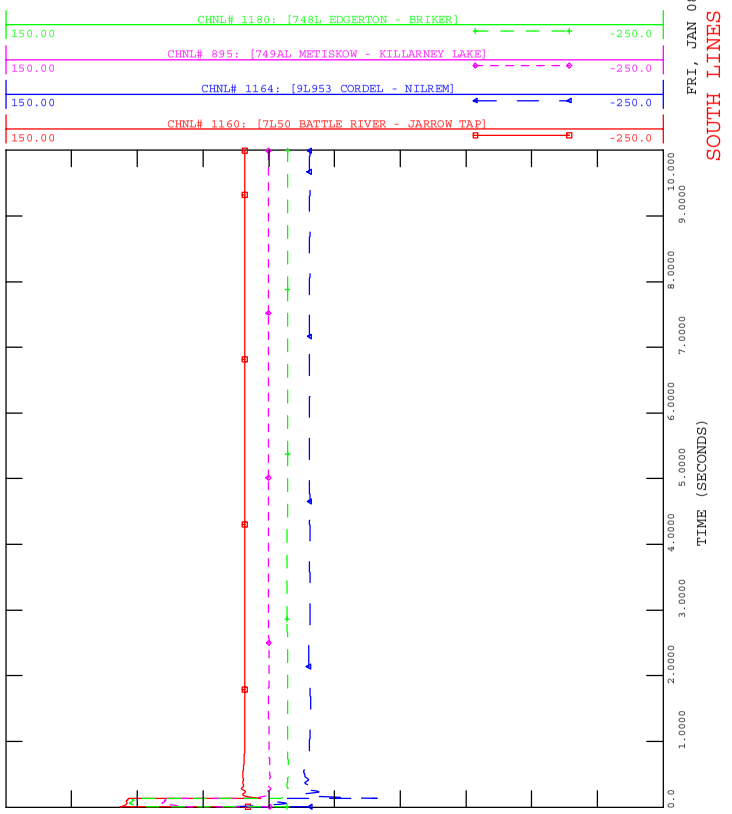


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

SOUTH LINES VAR FLOW

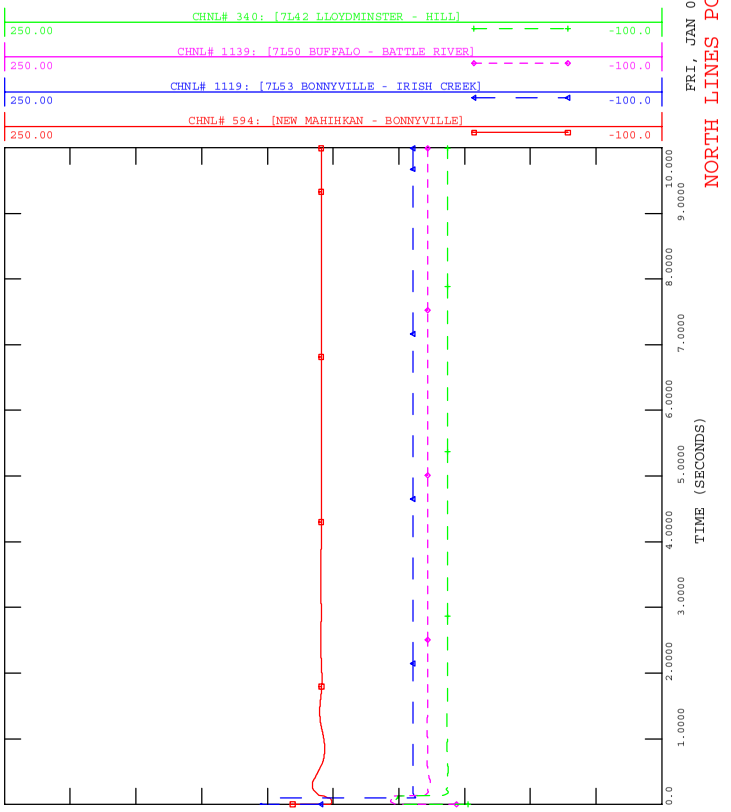


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

NORTH LINES POWER FLOW

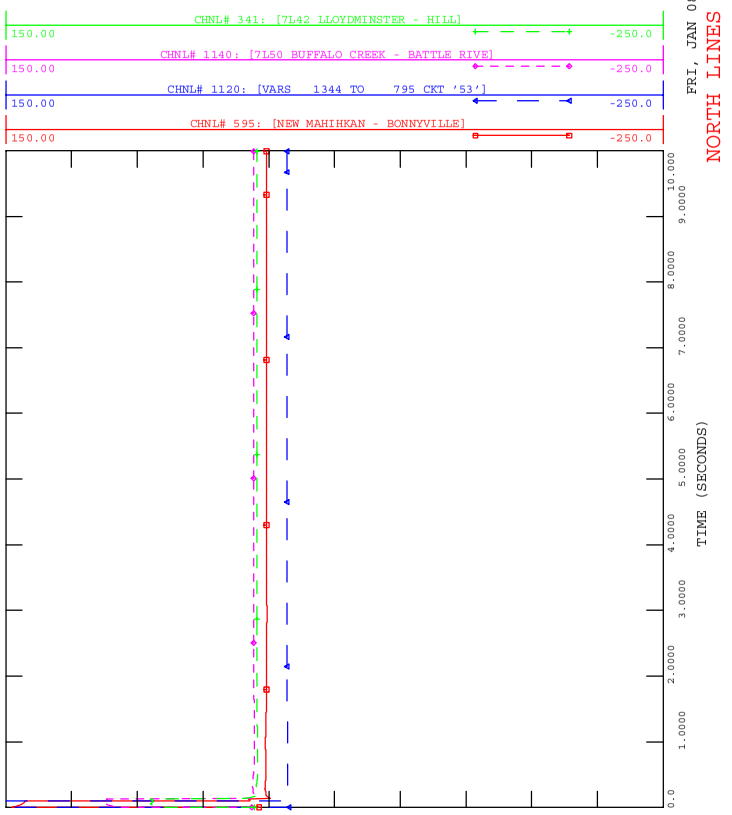


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

NORTH LINES VAR FLOW

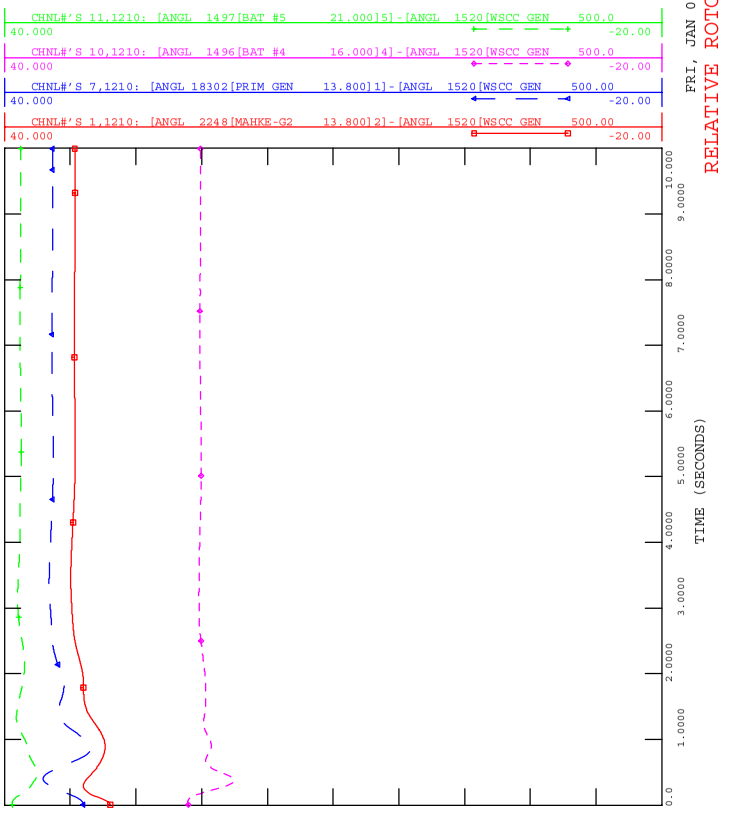


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

RELATIVE ROTOR ANGLES

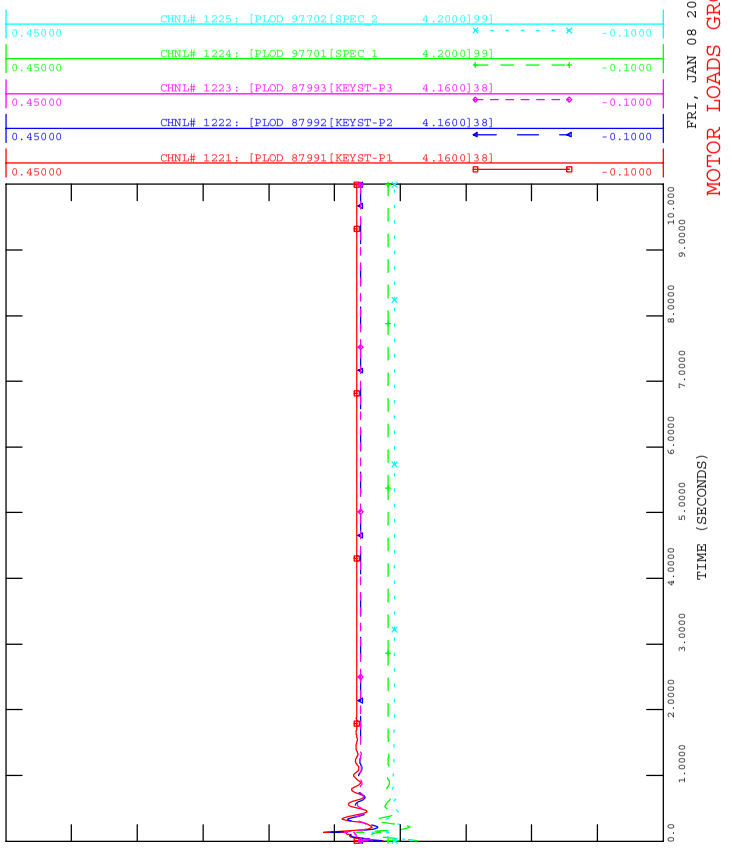


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

MOTOR LOADS GROUP II

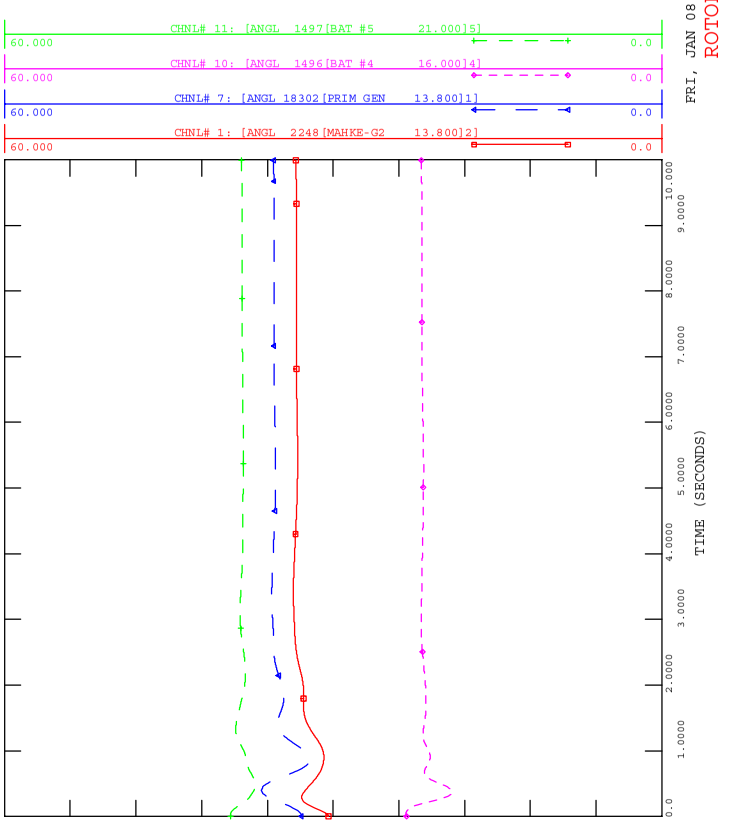


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

ROTOR ANGLES

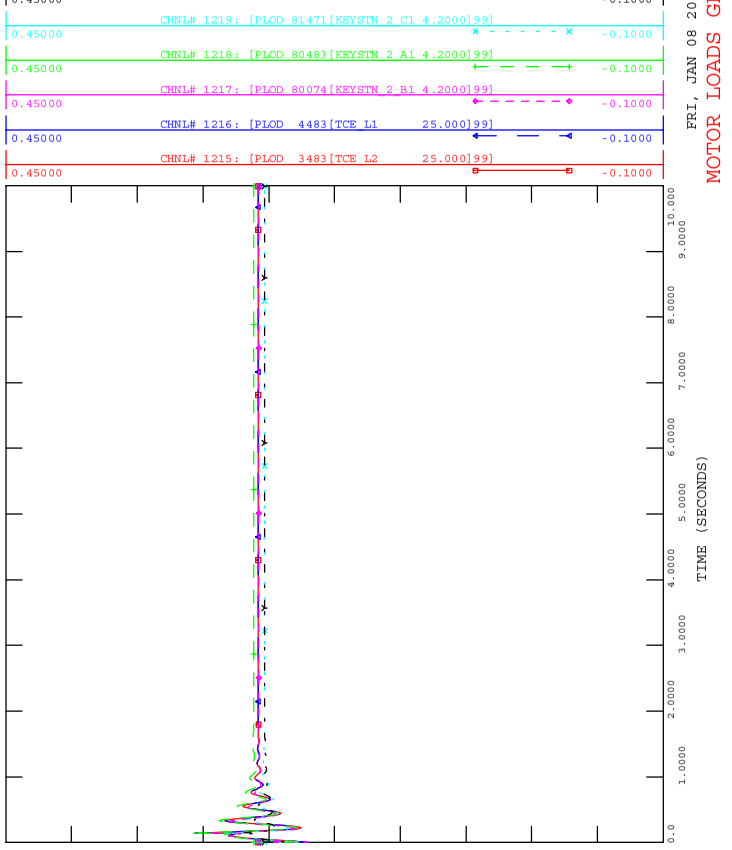


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B3fault.out

FRI, JAN 08 2010 17:31

MOTOR LOADS GROUP I

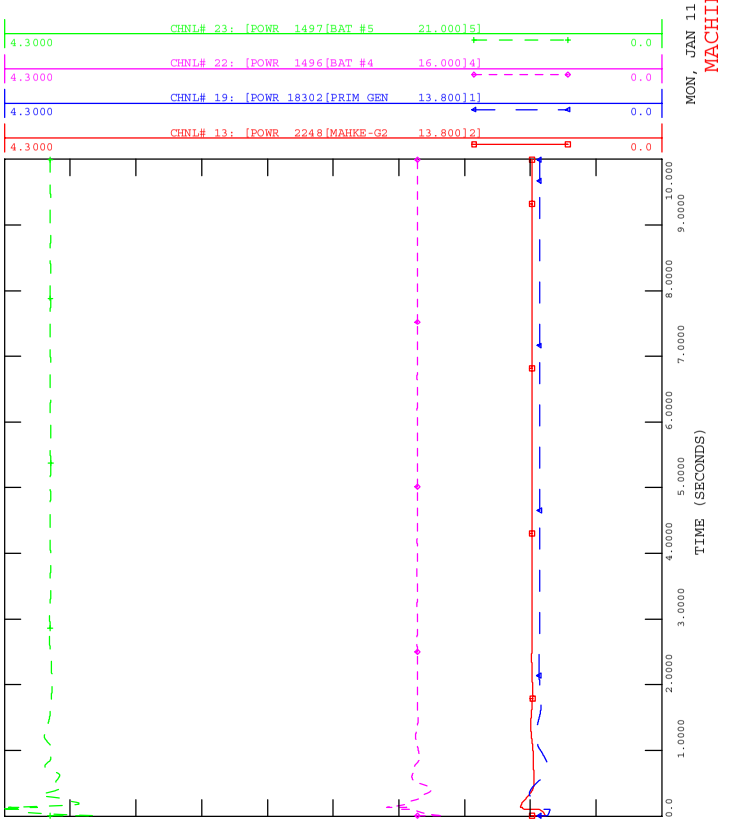


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

MACHINE POWER

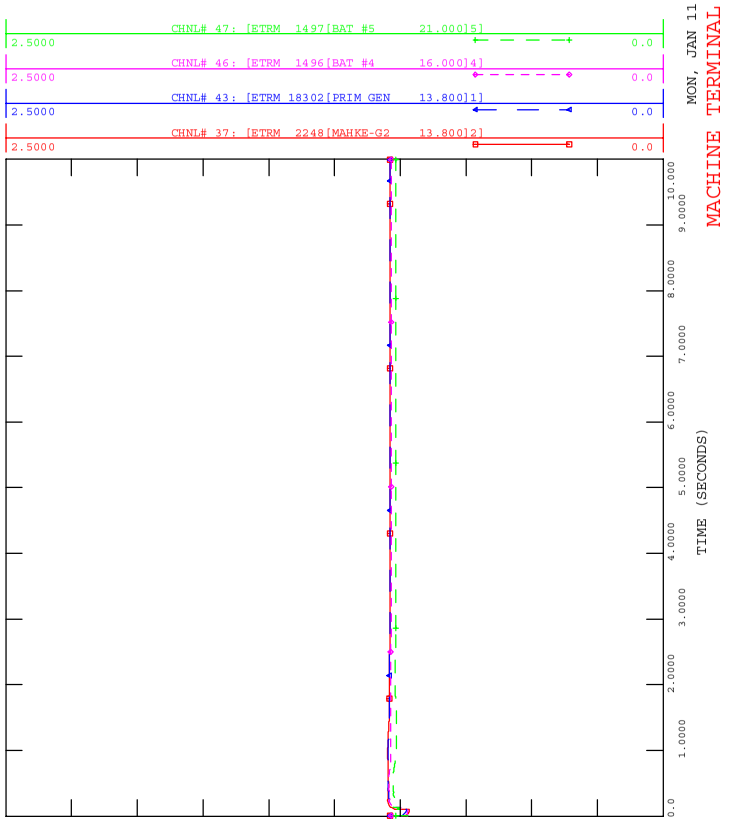


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

MACHINE TERMINAL VOLTAGE

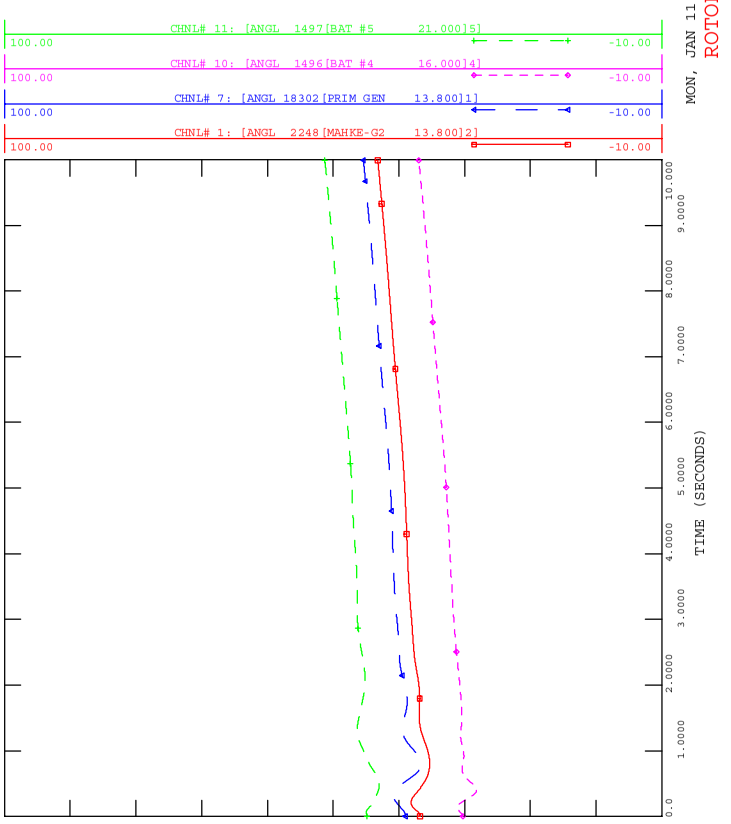


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

ROTOR ANGLES

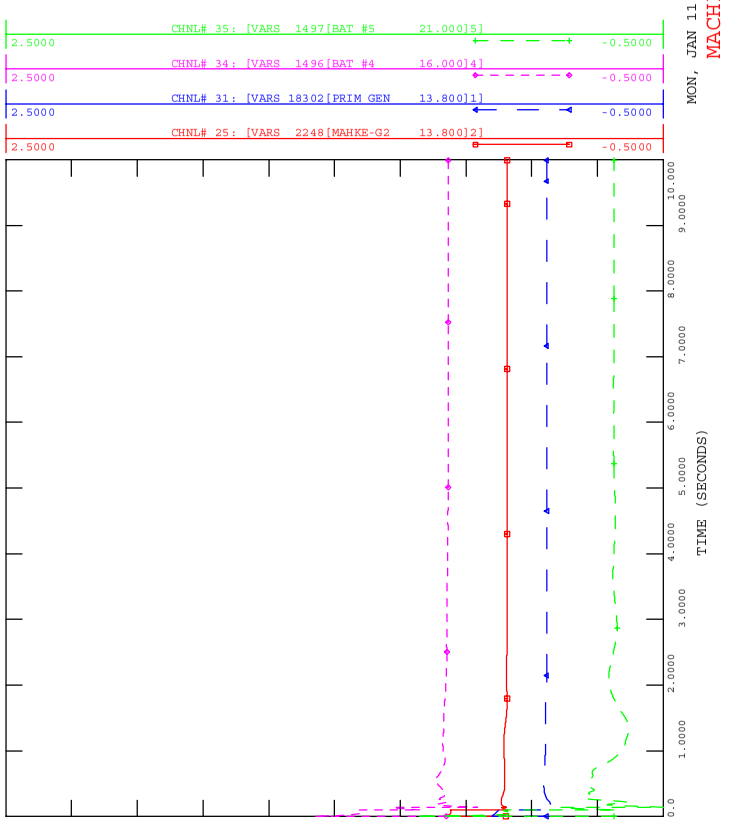


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

MACHINE VARS

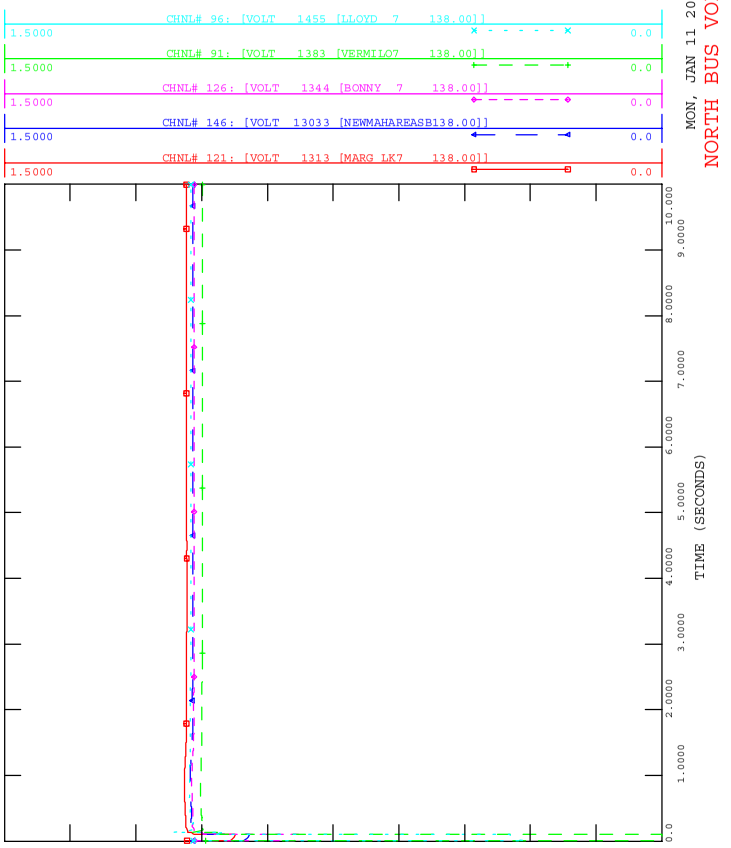


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

NORTH BUS VOLTAGES

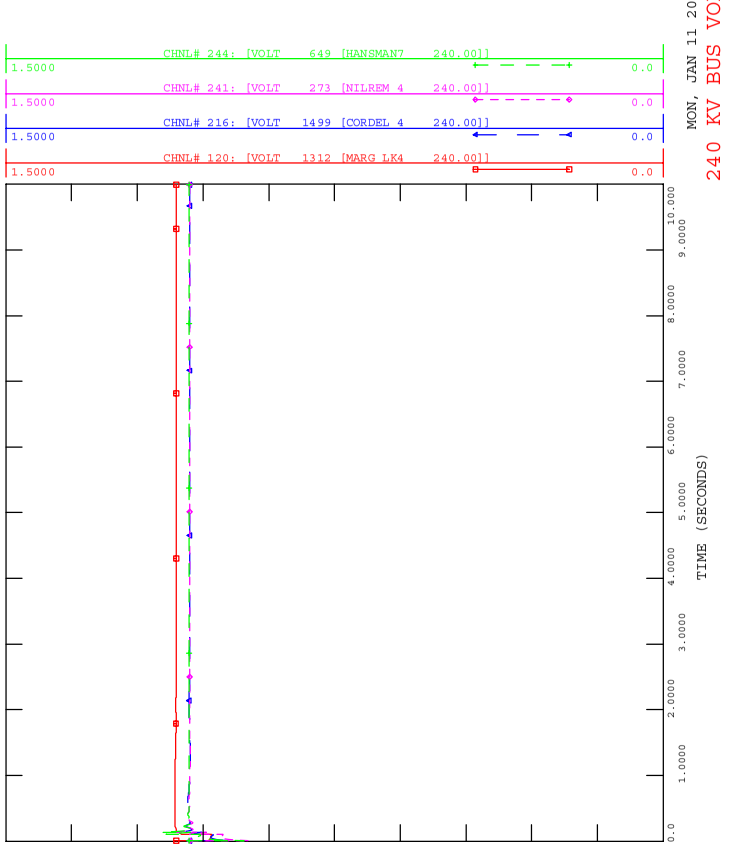


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

240 KV BUS VOLTAGES

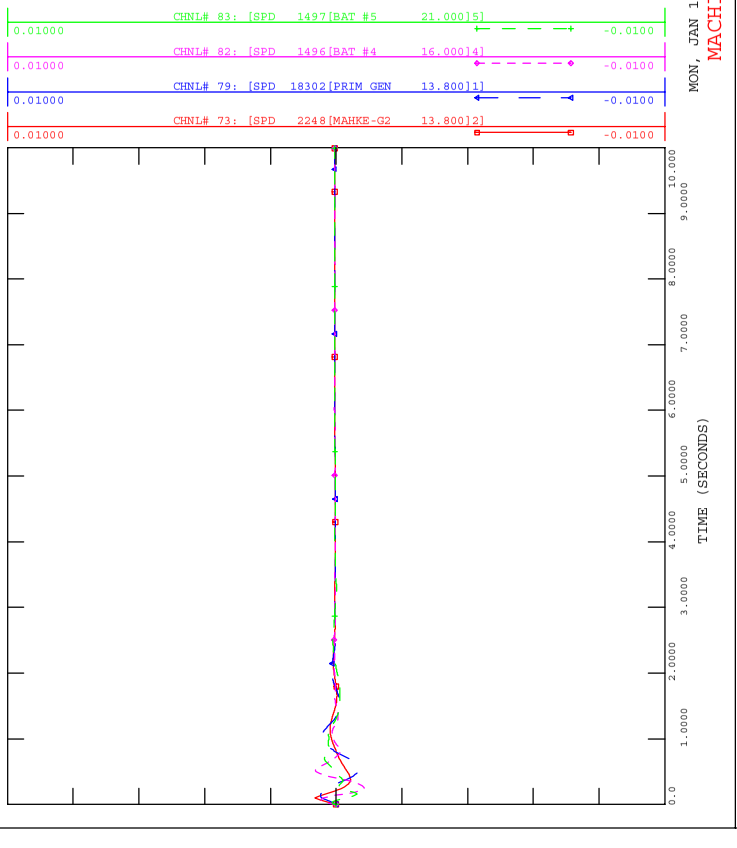


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

MACHINE SPEED

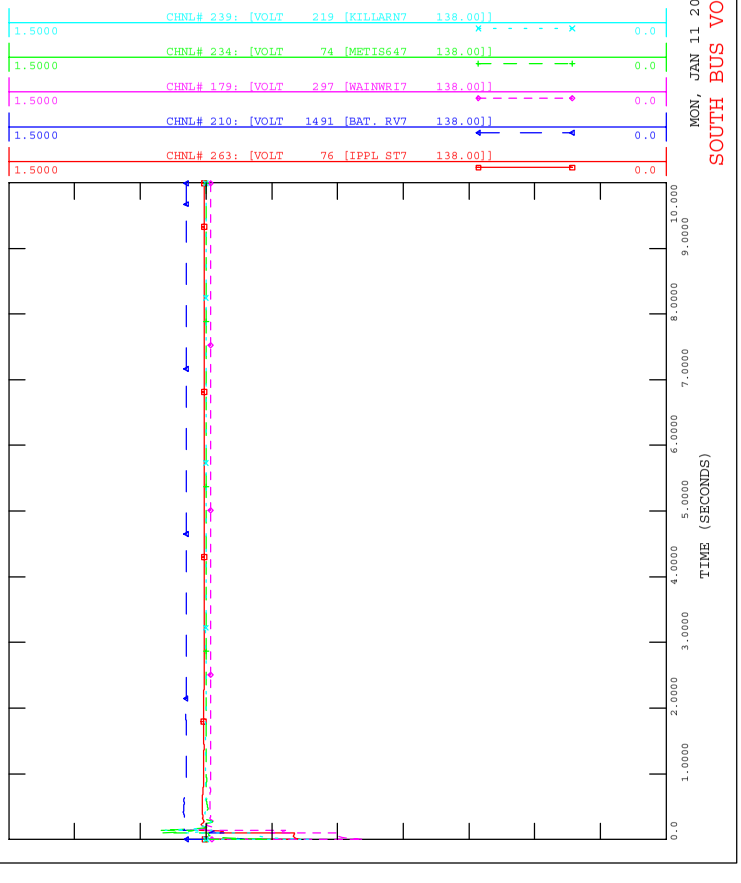


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

SOUTH BUS VOLTAGES

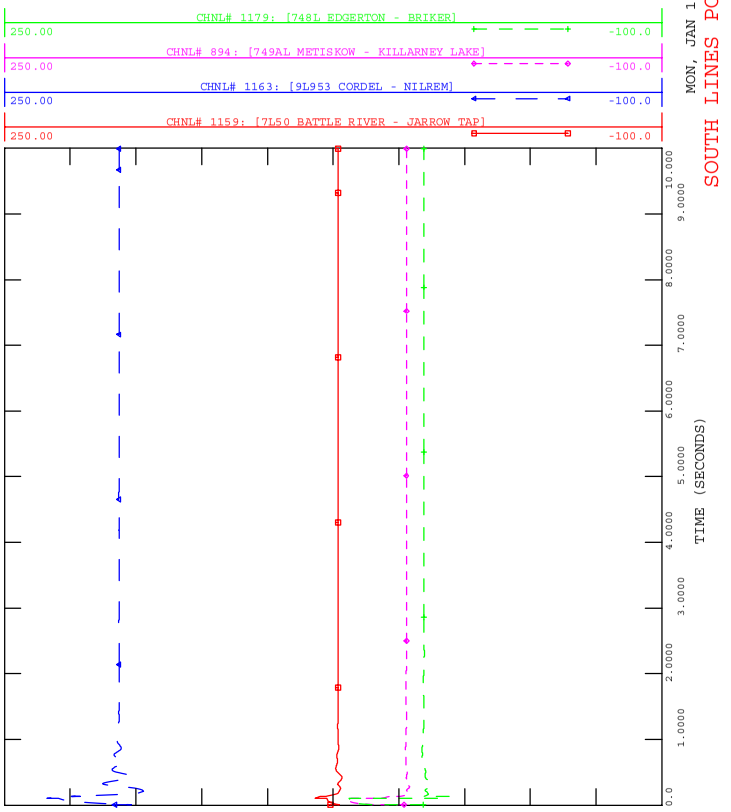


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

SOUTH LINES POWER FLOW

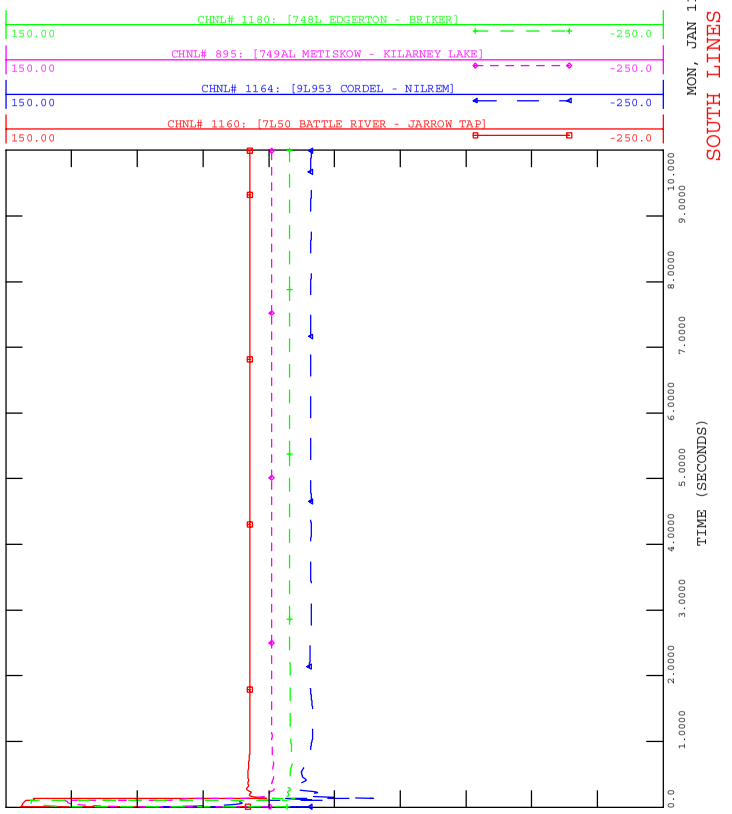


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

SOUTH LINES VAR FLOW

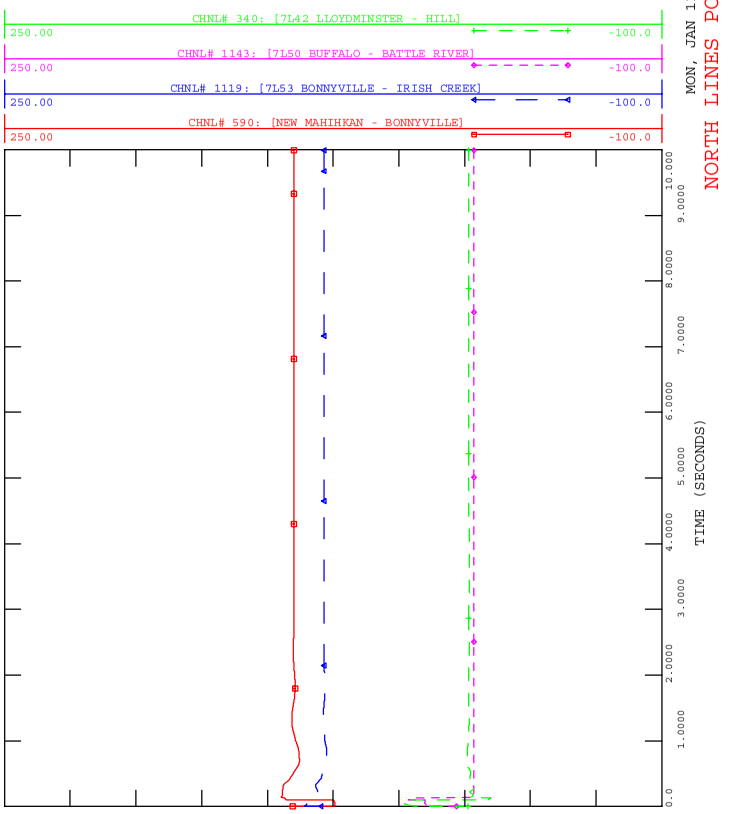


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:14

NORTH LINES POWER FLOW

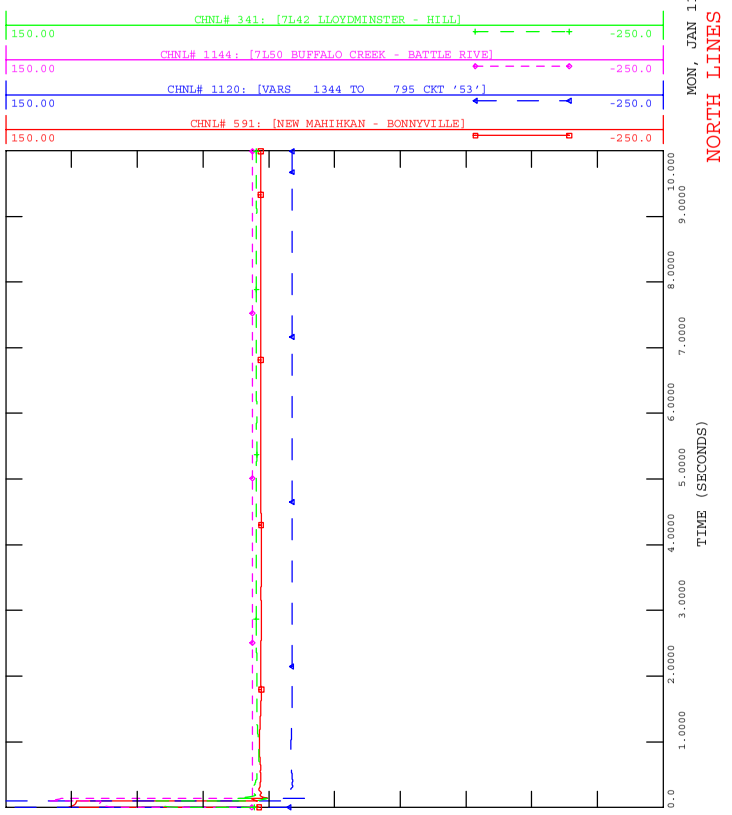


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

NORTH LINES VAR FLOW

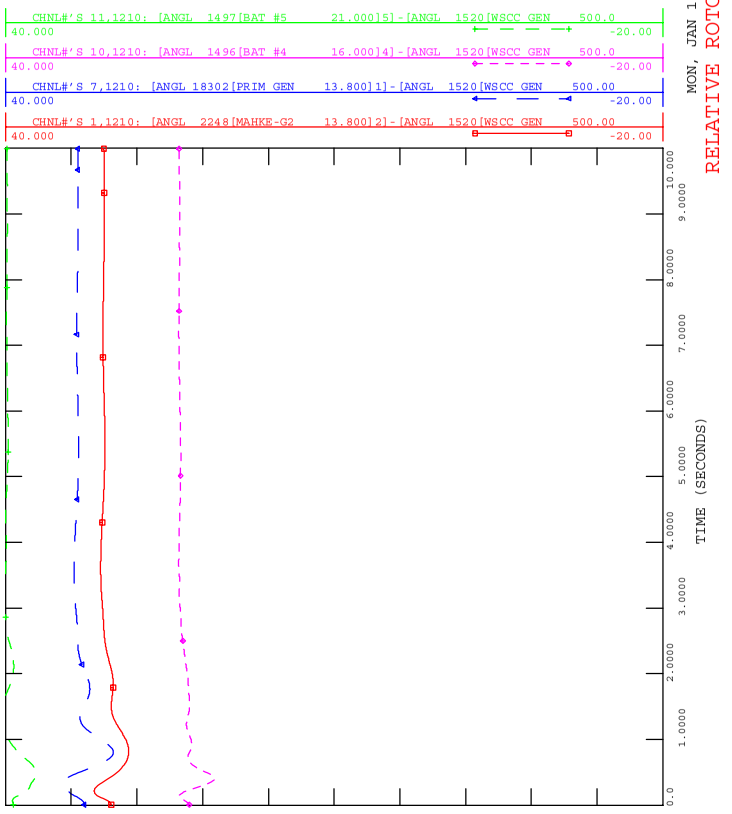


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

RELATIVE ROTOR ANGLES

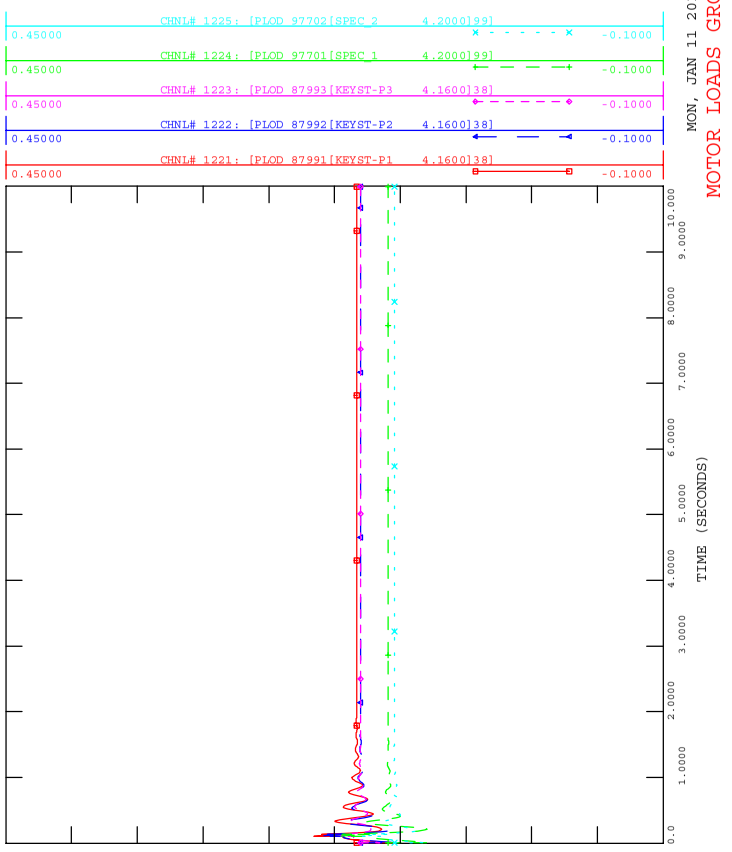


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

MOTOR LOADS GROUP II

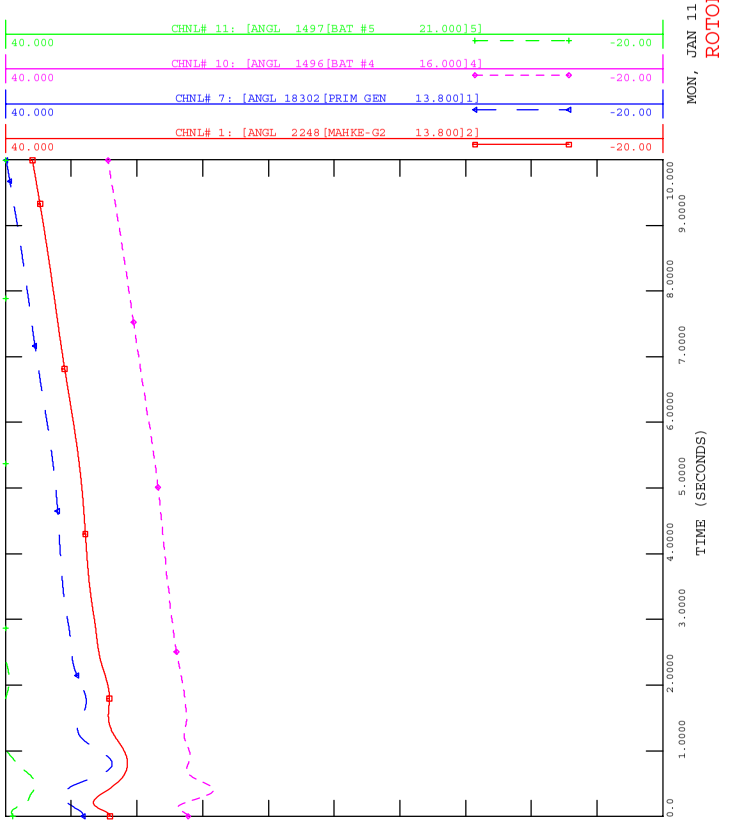


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

ROTOR ANGLES

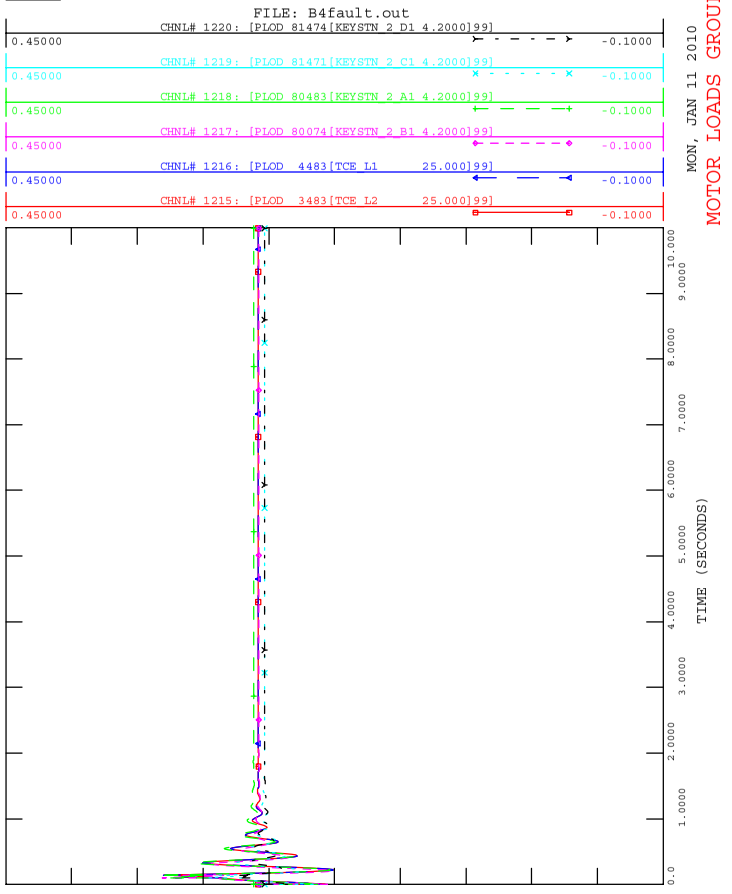


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B4fault.out

MON, JAN 11 2010 8:14

MOTOR LOADS GROUP I

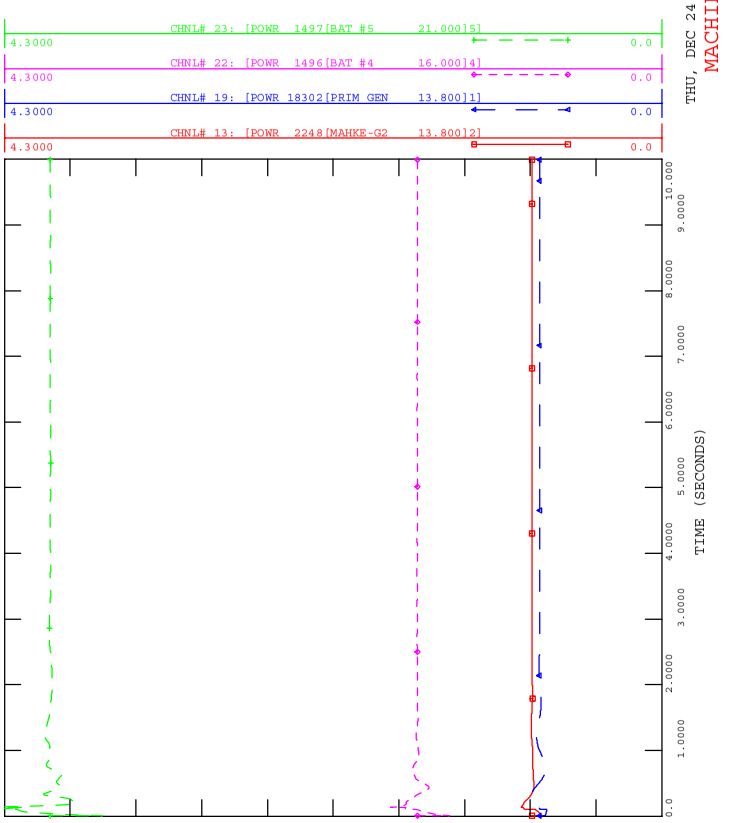


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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THU, DEC 24 2009 11:44

MACHINE POWER

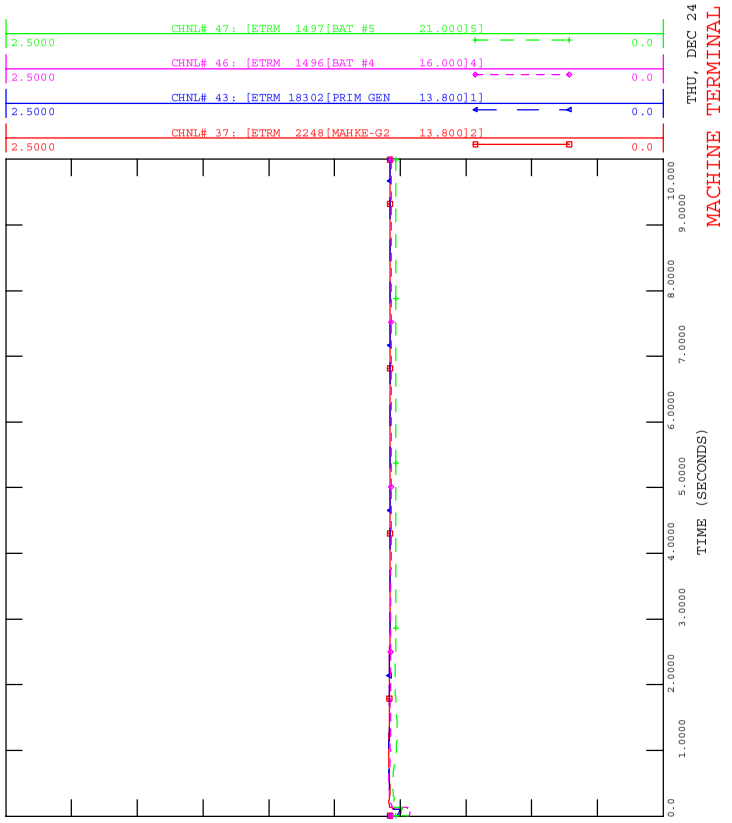


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B5fault.out

THU, DEC 24 2009 11:44

MACHINE TERMINAL VOLTAGE

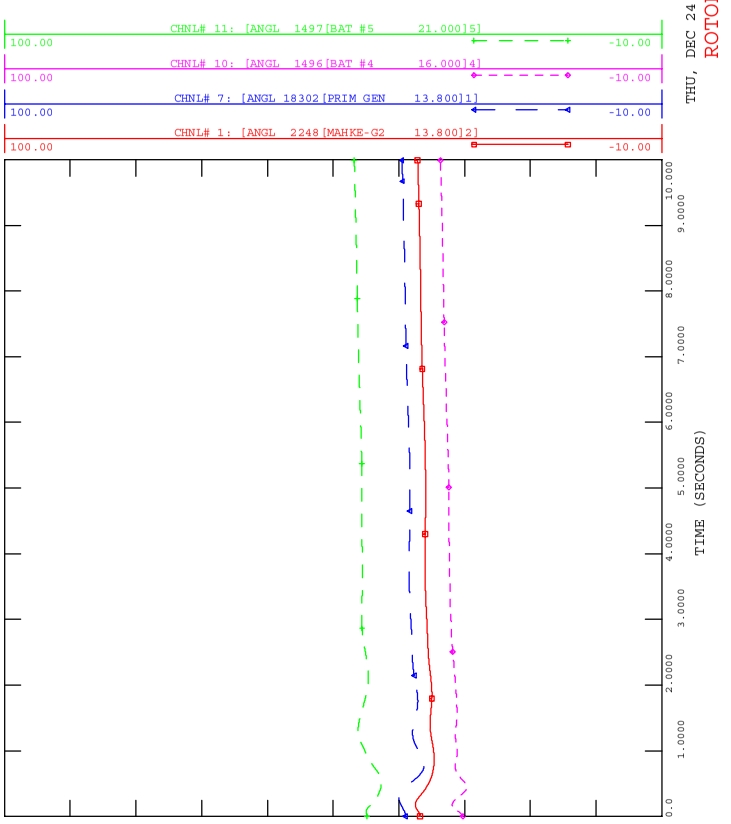


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B5fault.out

THU, DEC 24 2009 11:44

ROTOR ANGLES

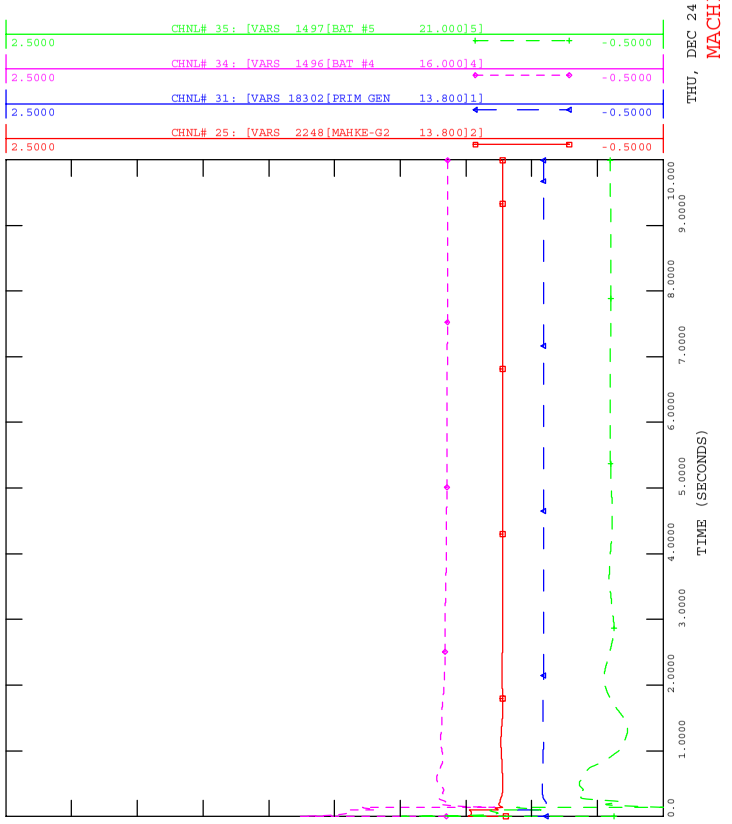


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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THU, DEC 24 2009 11:44

MACHINE VARS

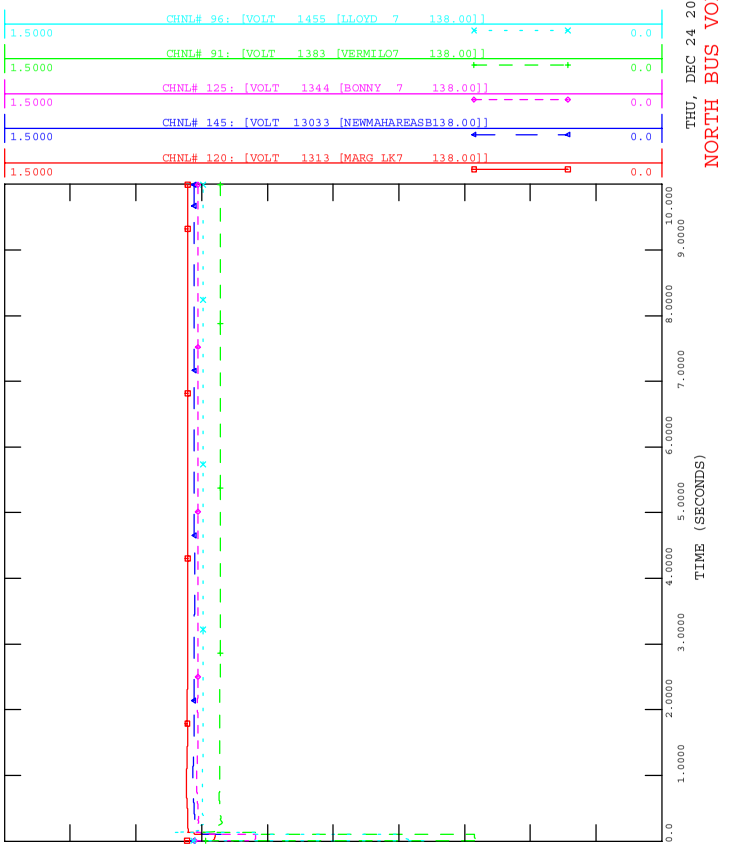


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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THU, DEC 24 2009 11:44

NORTH BUS VOLTAGES

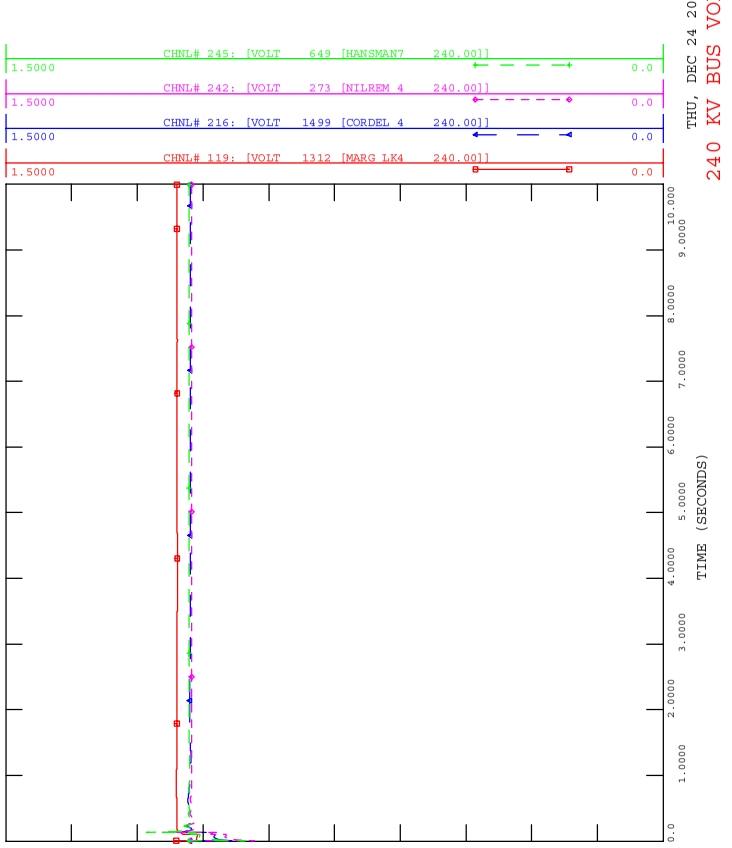


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:44

240 KV BUS VOLTAGES

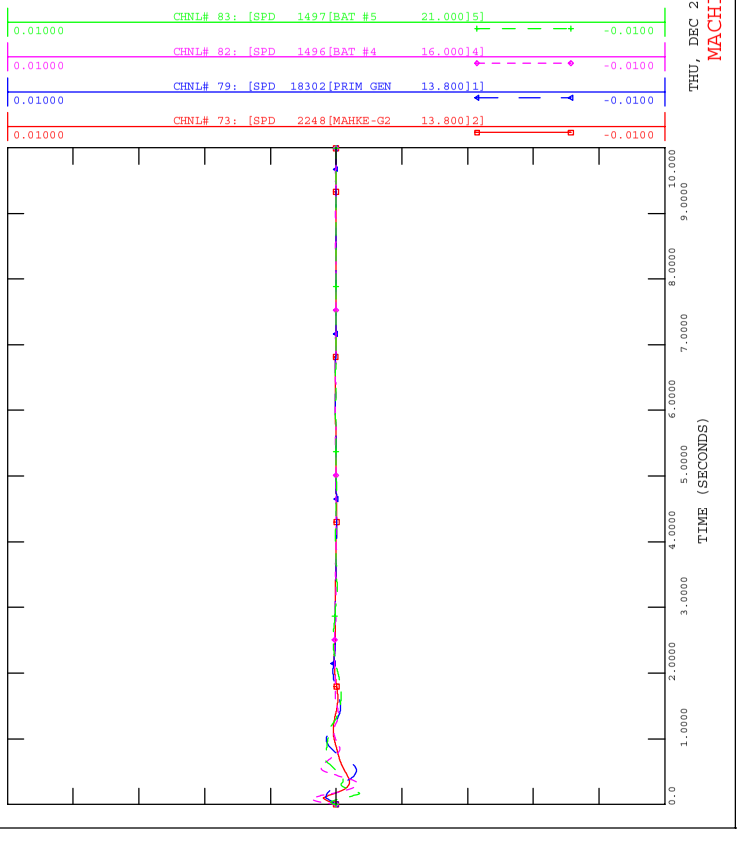


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:44

MACHINE SPEED

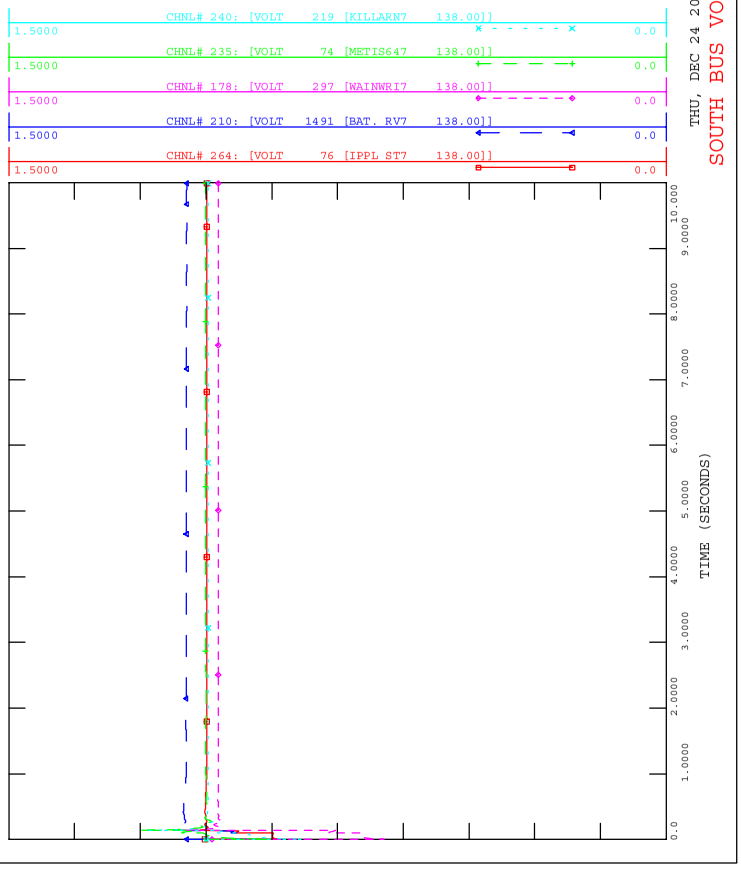


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:44

SOUTH BUS VOLTAGES

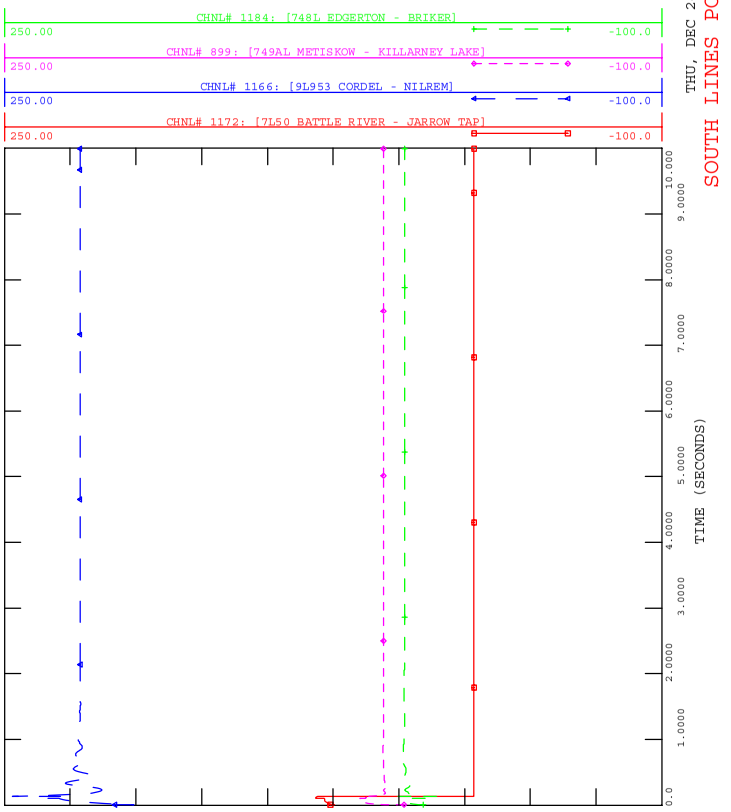


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:44

SOUTH LINES POWER FLOW

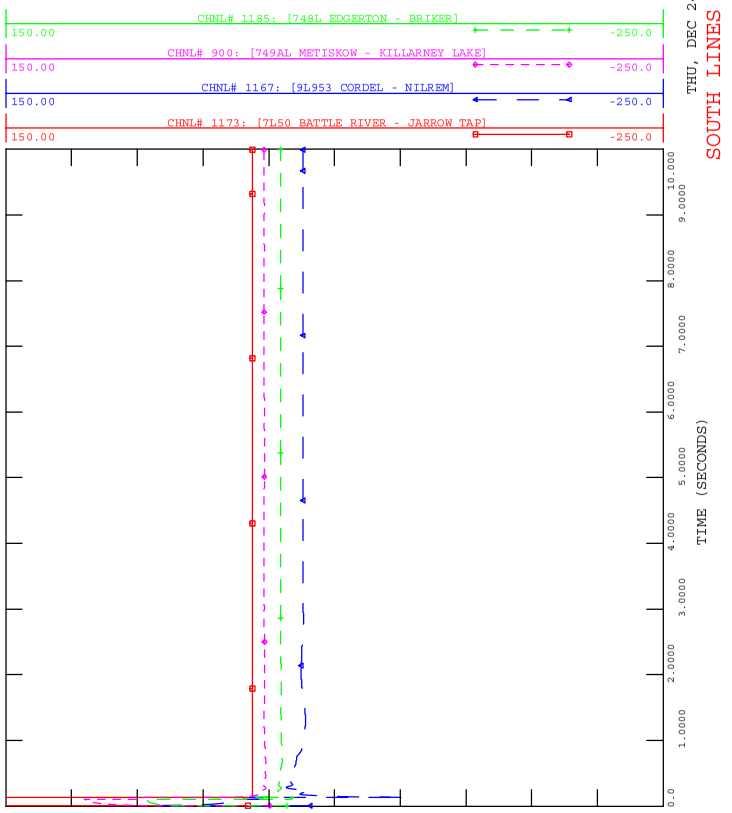


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:44

SOUTH LINES VAR FLOW

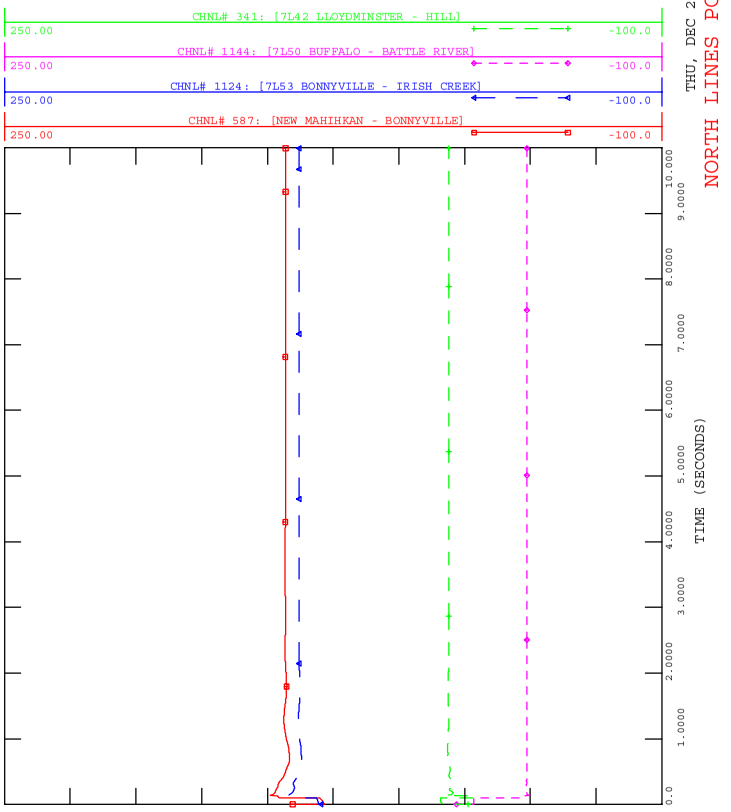


CENTRAL AREA STUDY
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NORTH LINES POWER FLOW

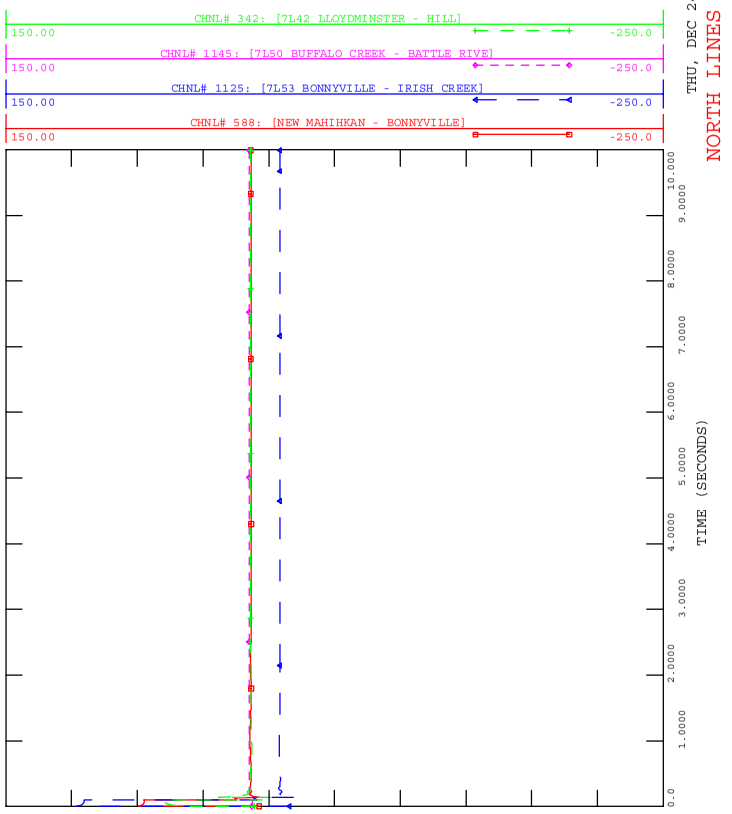


CENTRAL AREA STUDY
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NORTH LINES VAR FLOW

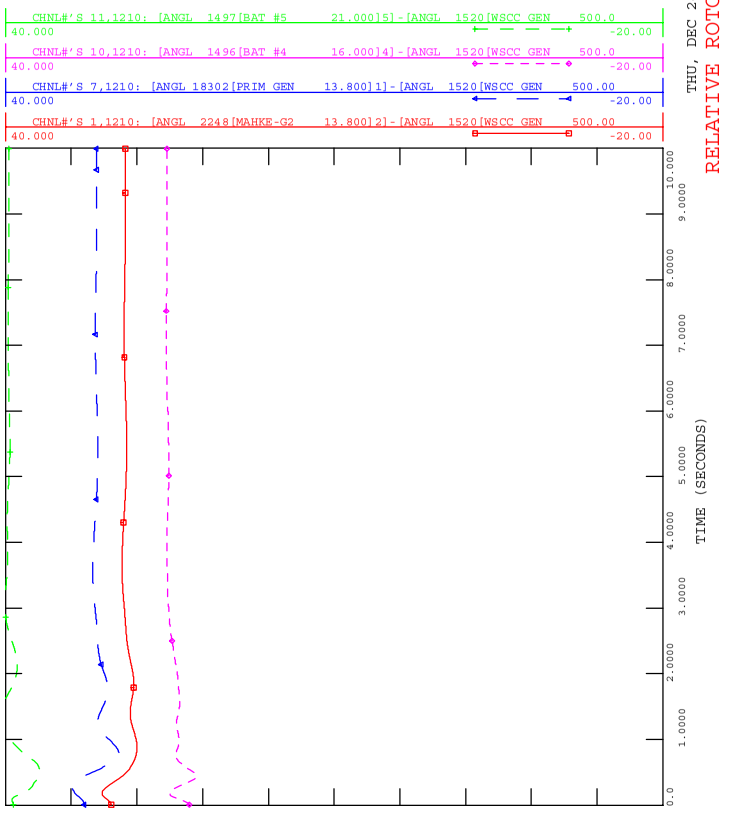


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B5fault.out

THU, DEC 24 2009 11:44

RELATIVE ROTOR ANGLES

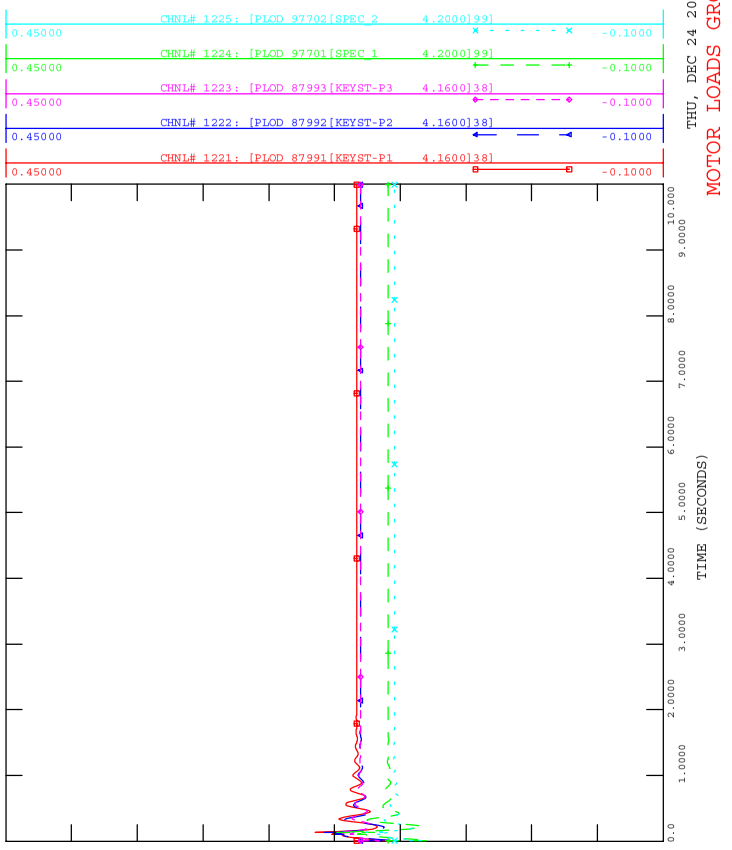


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B5fault.out

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MOTOR LOADS GROUP II

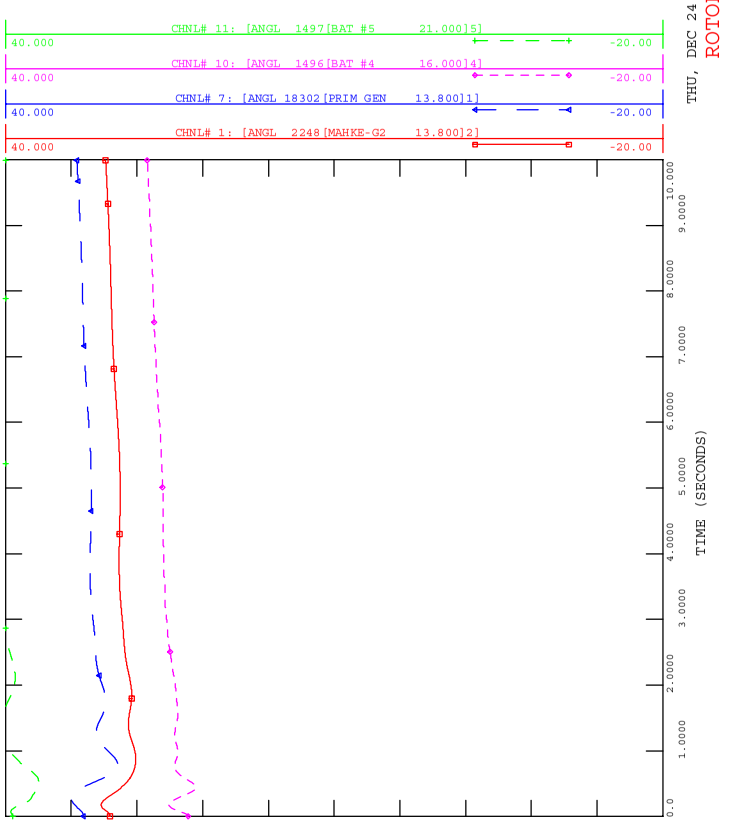


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:44

ROTOR ANGLES

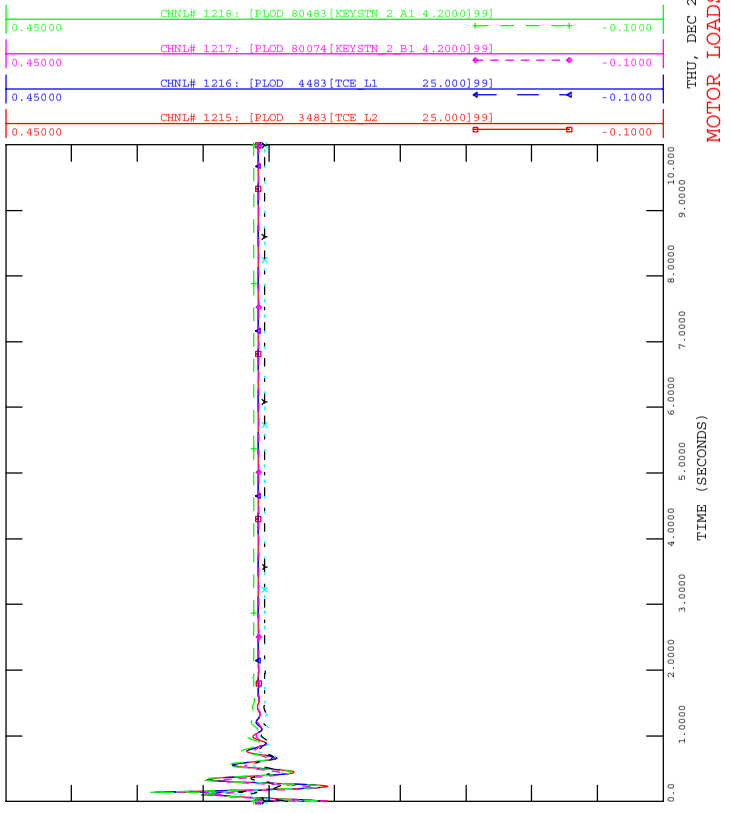


CENTRAL AREA STUDY
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MOTOR LOADS GROUP I

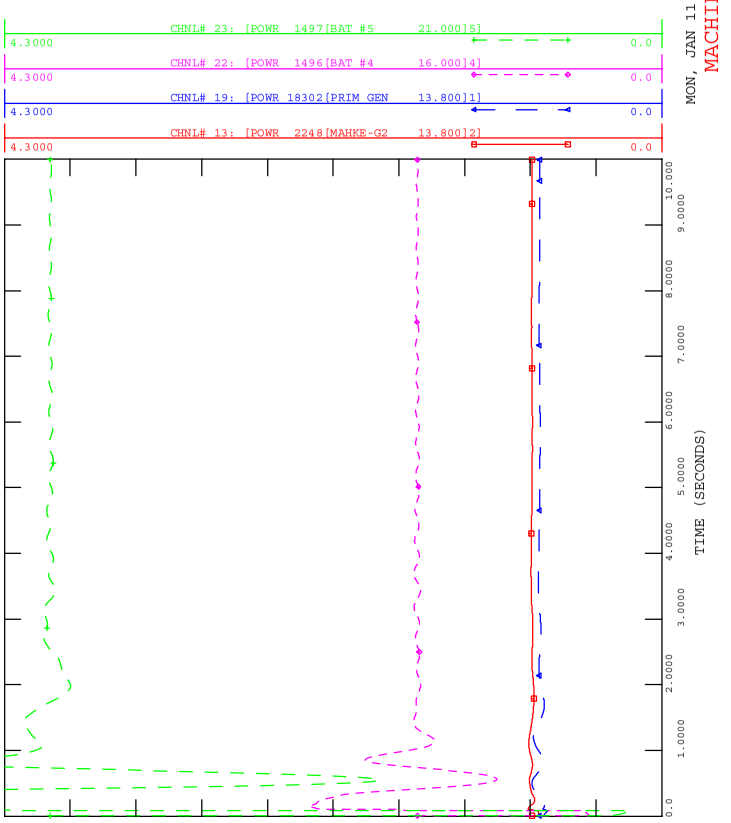


CENTRAL AREA STUDY
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FILE: B6fault.out

MON, JAN 11 2010 16:02

MACHINE POWER

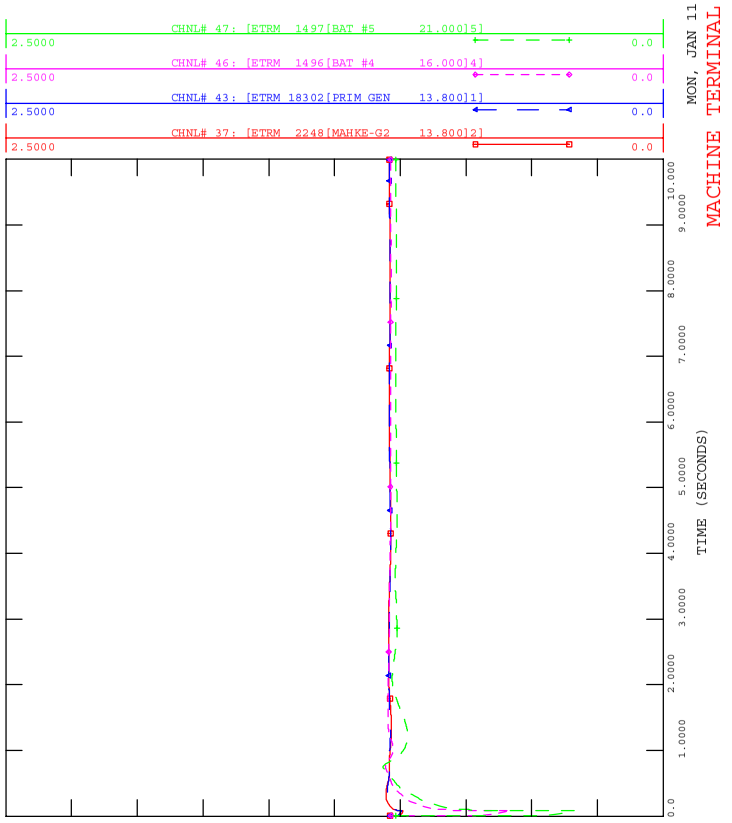


CENTRAL AREA STUDY
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MON, JAN 11 2010 16:02

MACHINE TERMINAL VOLTAGE

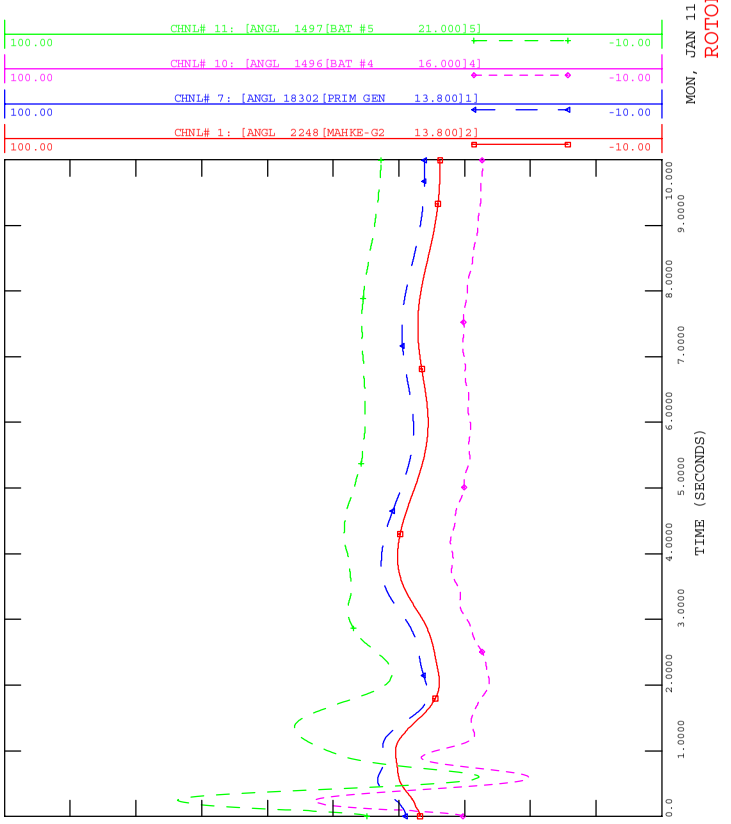


CENTRAL AREA STUDY
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MON, JAN 11 2010 16:02

ROTOR ANGLES

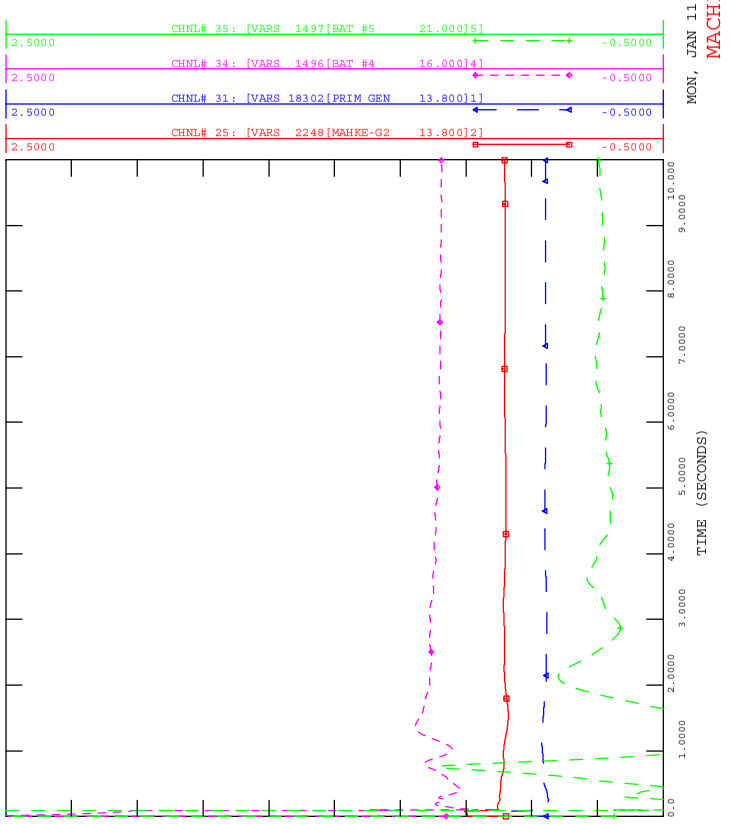


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

MACHINE VARS

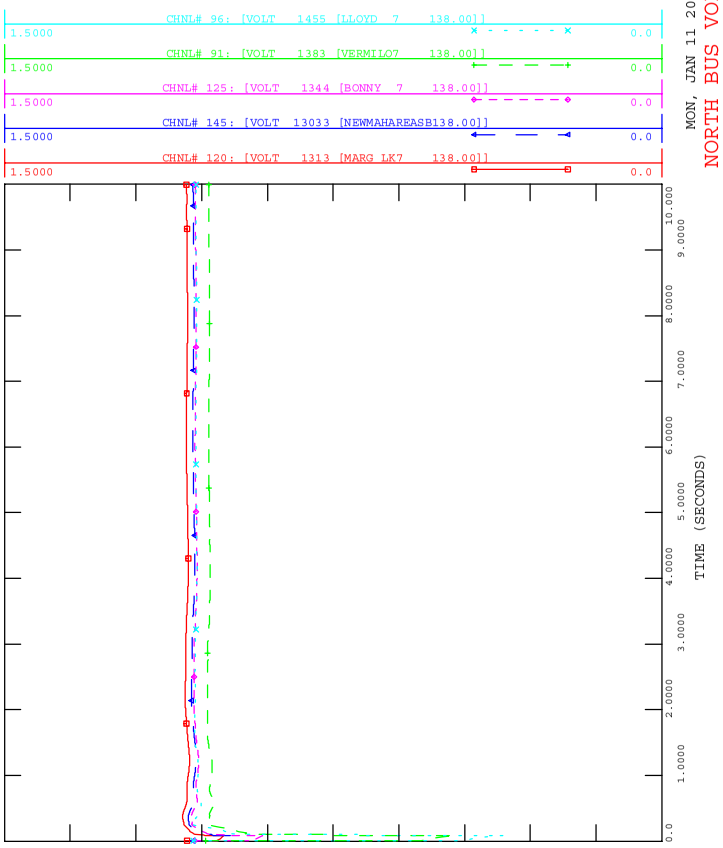


CENTRAL AREA STUDY
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FILE: B6fault.out

MON, JAN 11 2010 16:02

NORTH BUS VOLTAGES

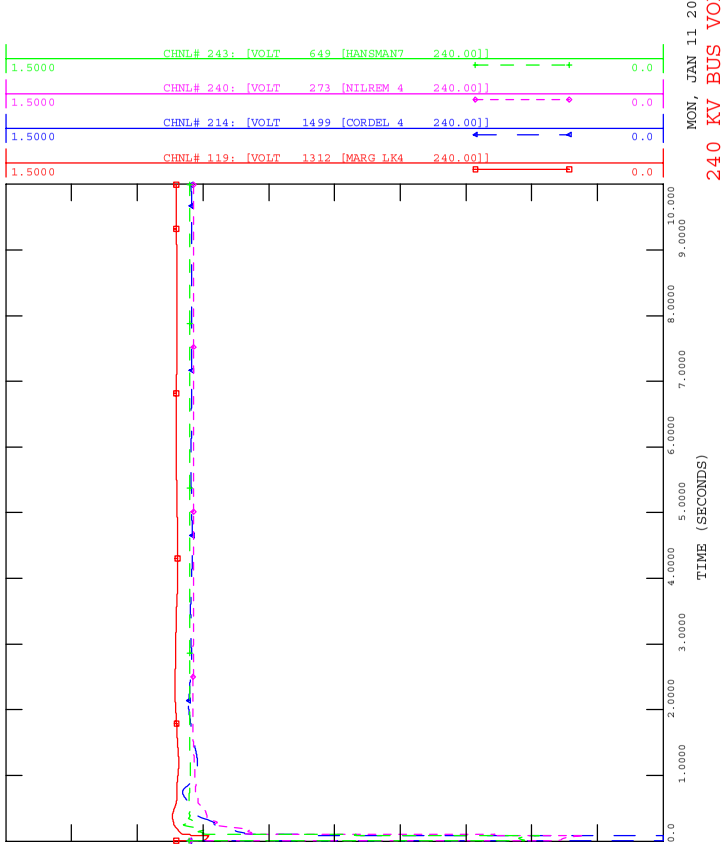


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

240 KV BUS VOLTAGES

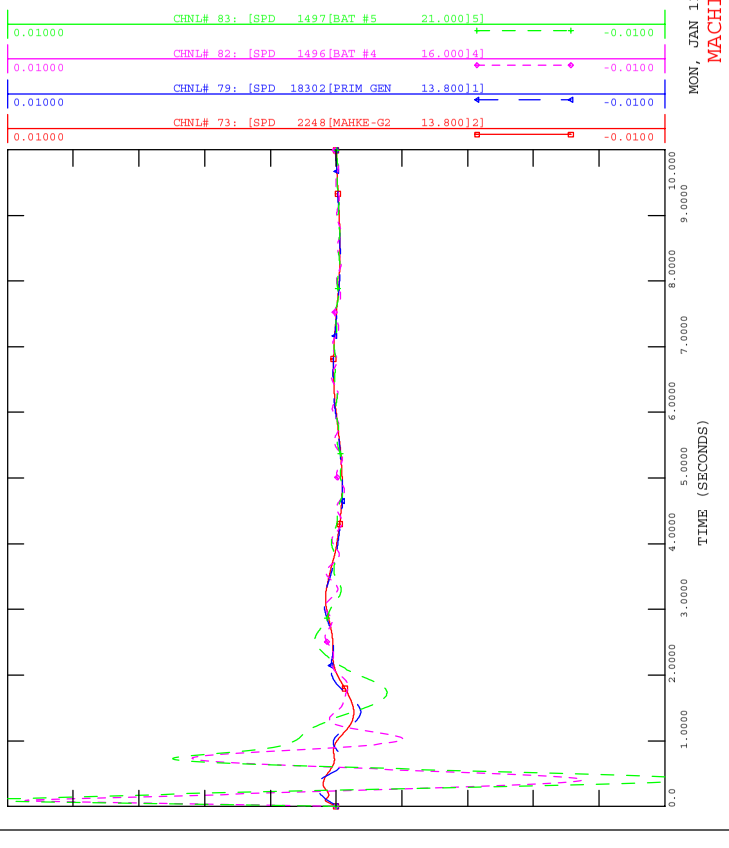


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

MACHINE SPEED

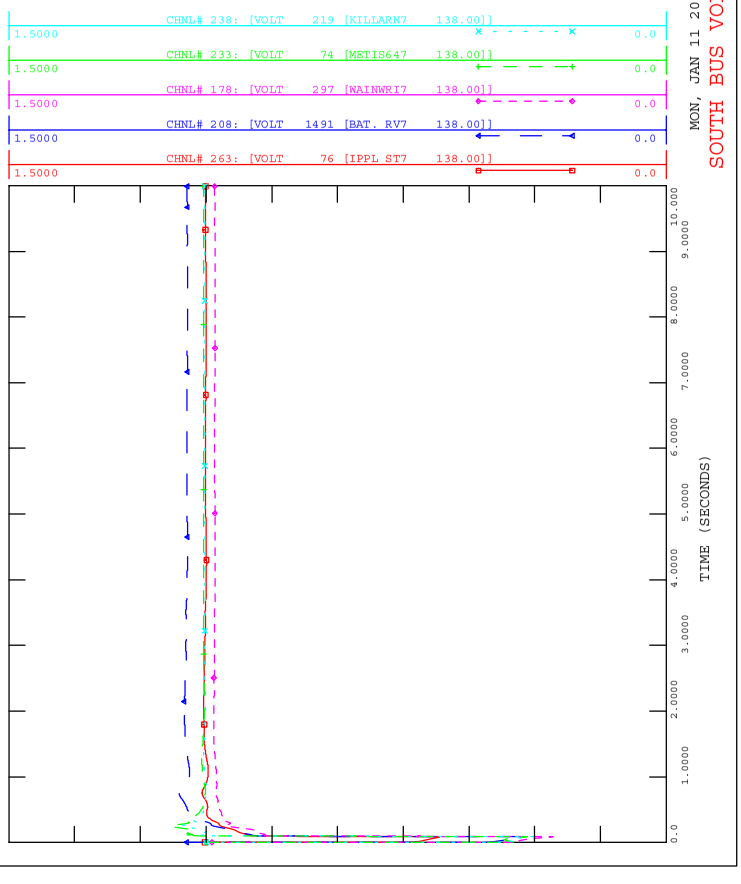


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

SOUTH BUS VOLTAGES

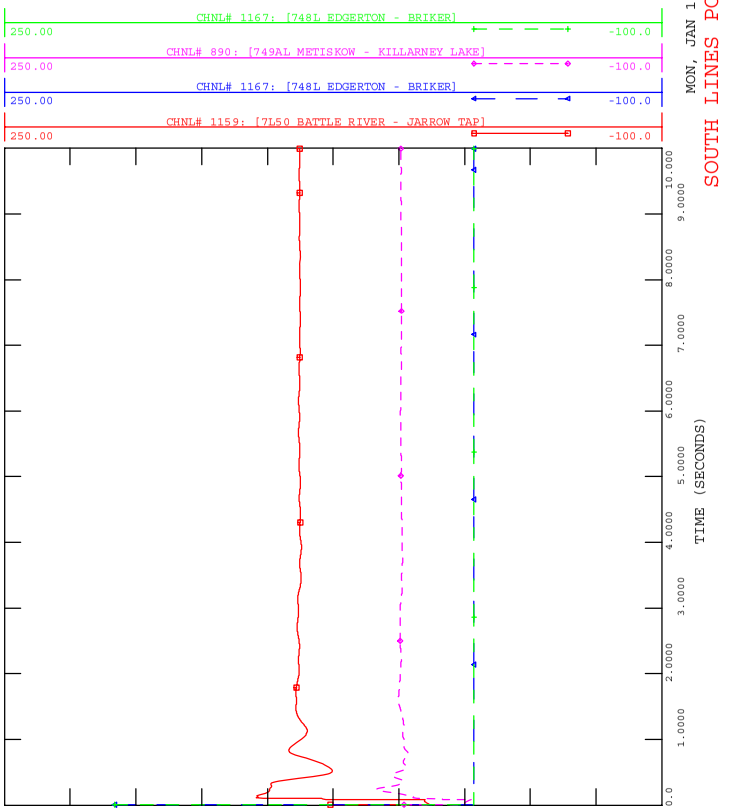


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

SOUTH LINES POWER FLOW

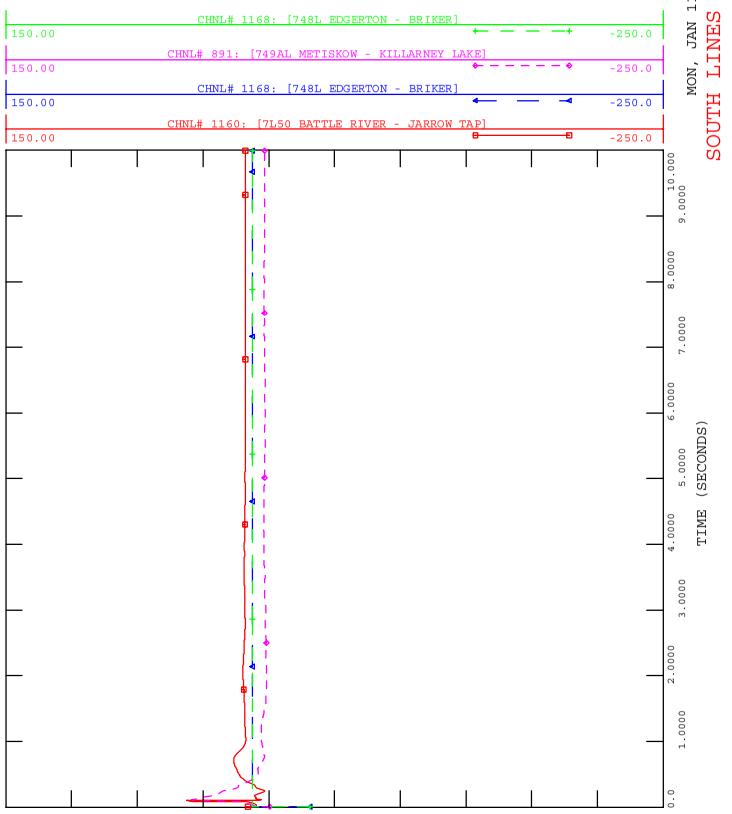


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

SOUTH LINES VAR FLOW

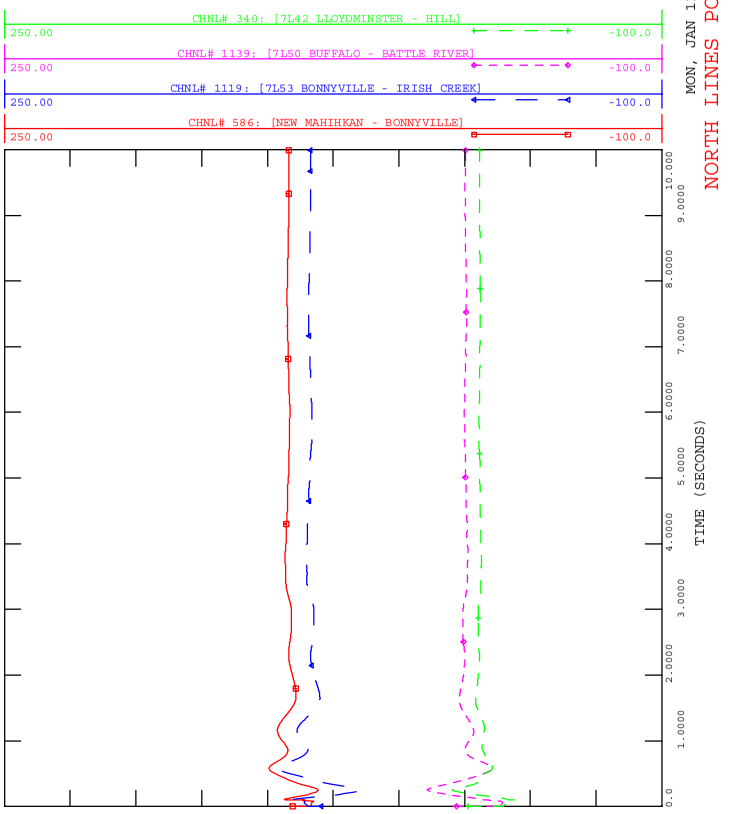


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

NORTH LINES POWER FLOW

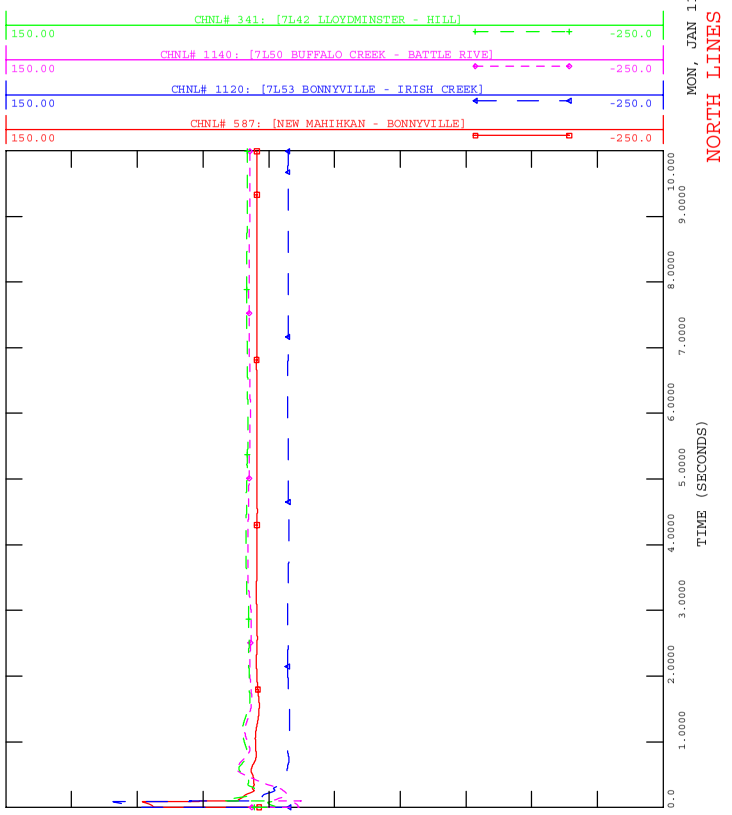


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

NORTH LINES VAR FLOW



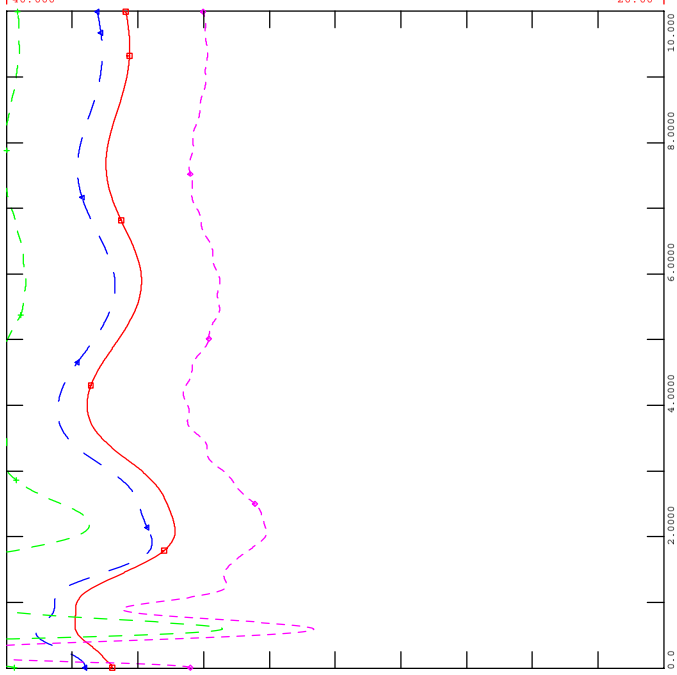
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
40.000 -20.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
40.000 -20.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
40.000 -20.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
40.000 -20.00



TIME (SECONDS)

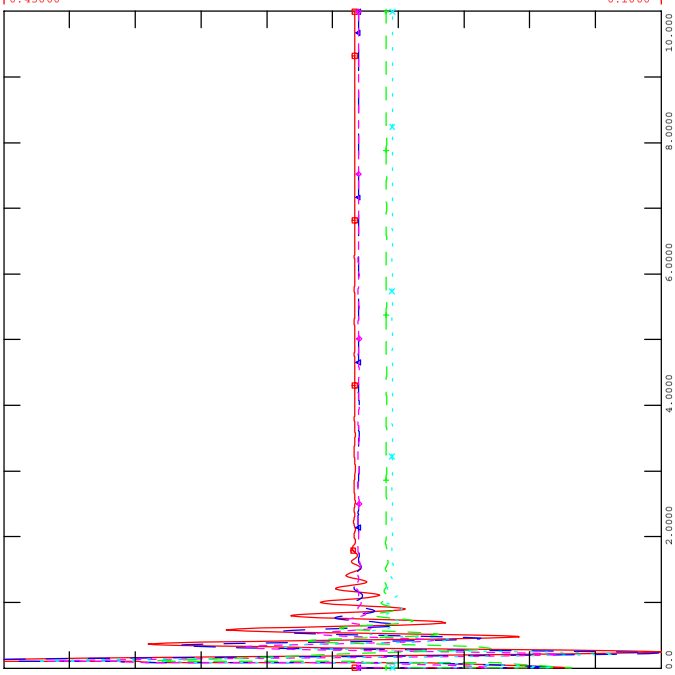
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



TIME (SECONDS)

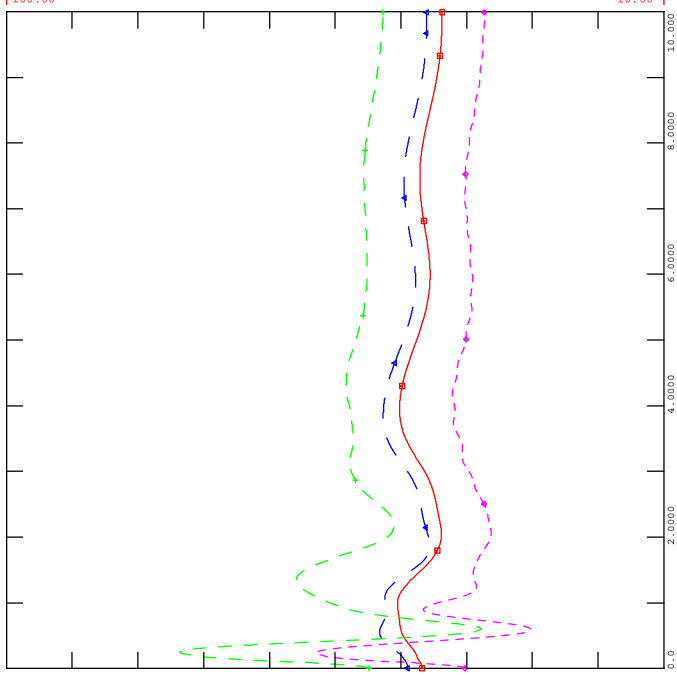
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
100.00 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
100.00 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
100.00 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
100.00 -10.00



TIME (SECONDS)

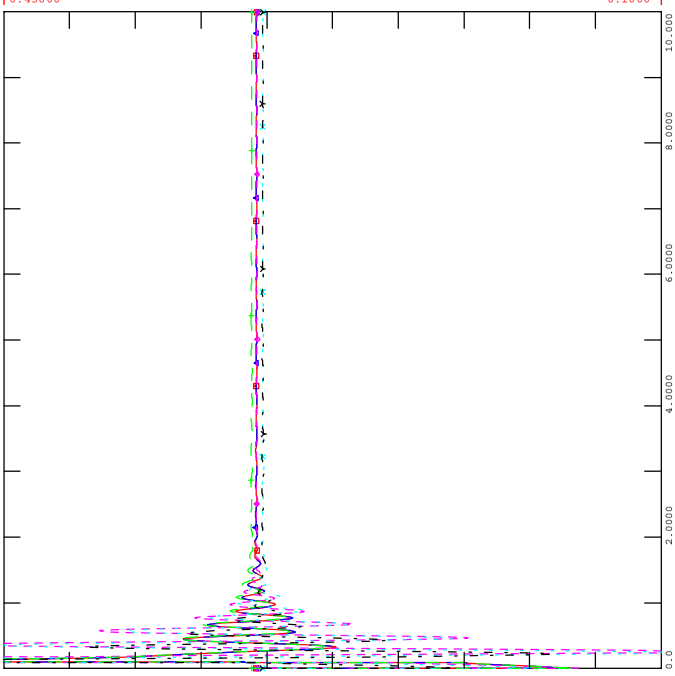
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B6fault.out

MON, JAN 11 2010 16:02

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000



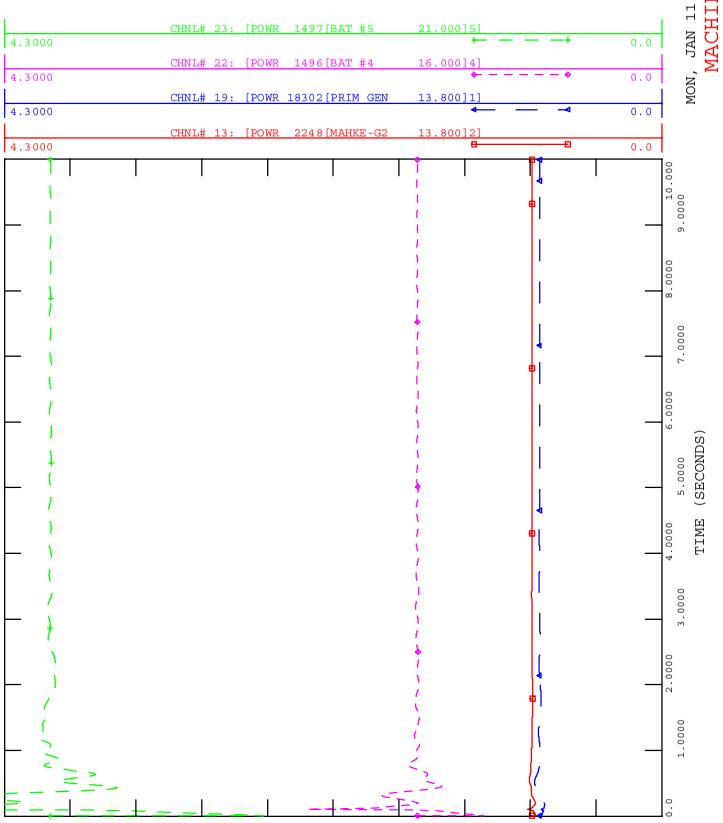
TIME (SECONDS)

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

MACHINE POWER

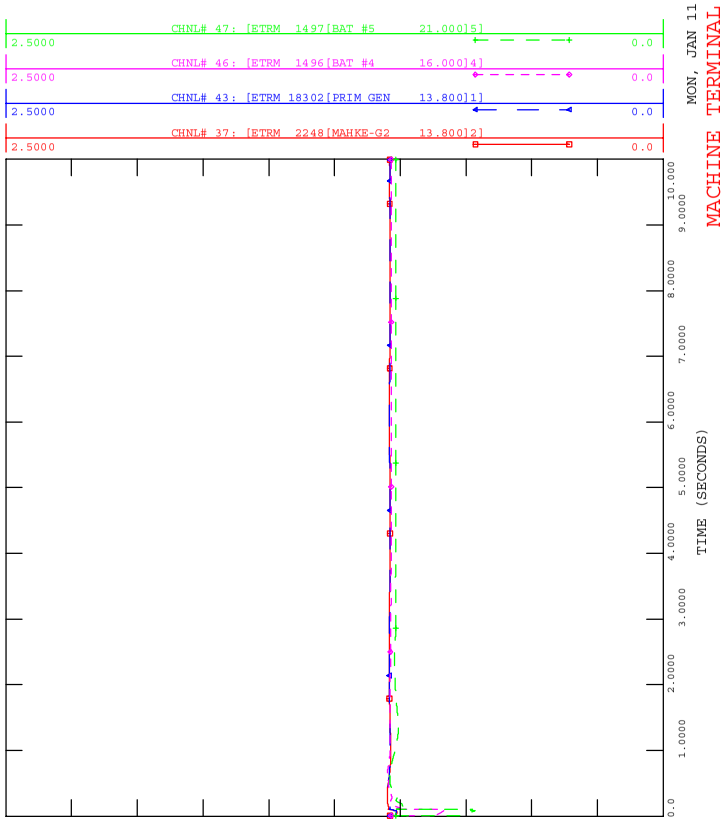


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

MACHINE TERMINAL VOLTAGE

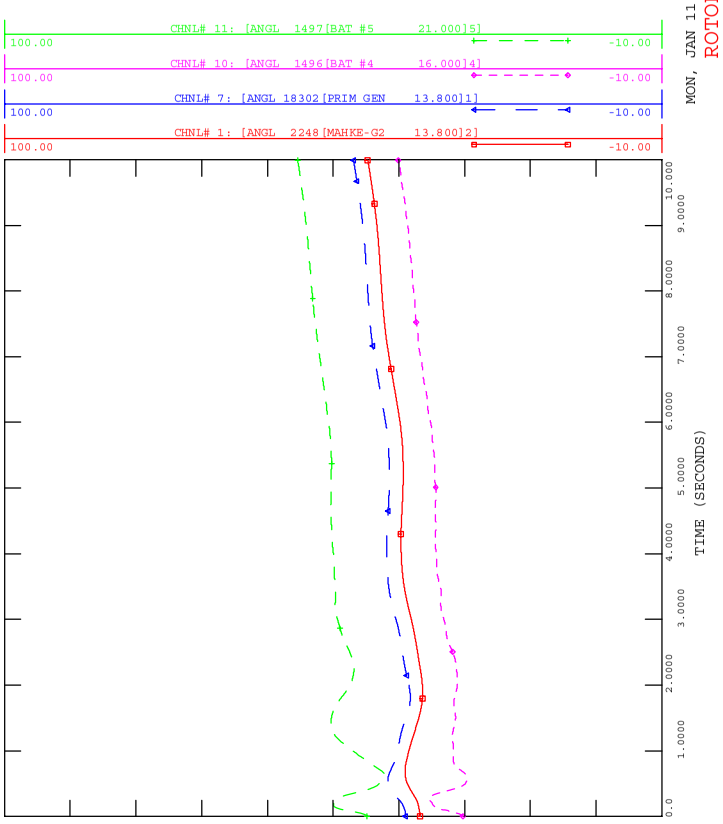


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

ROTOR ANGLES

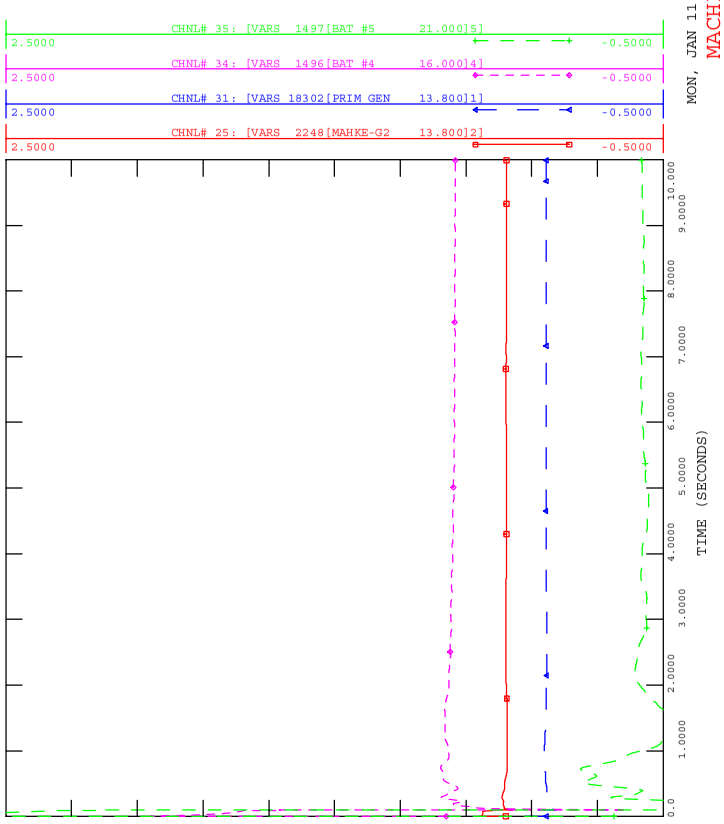


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

MACHINE VARS

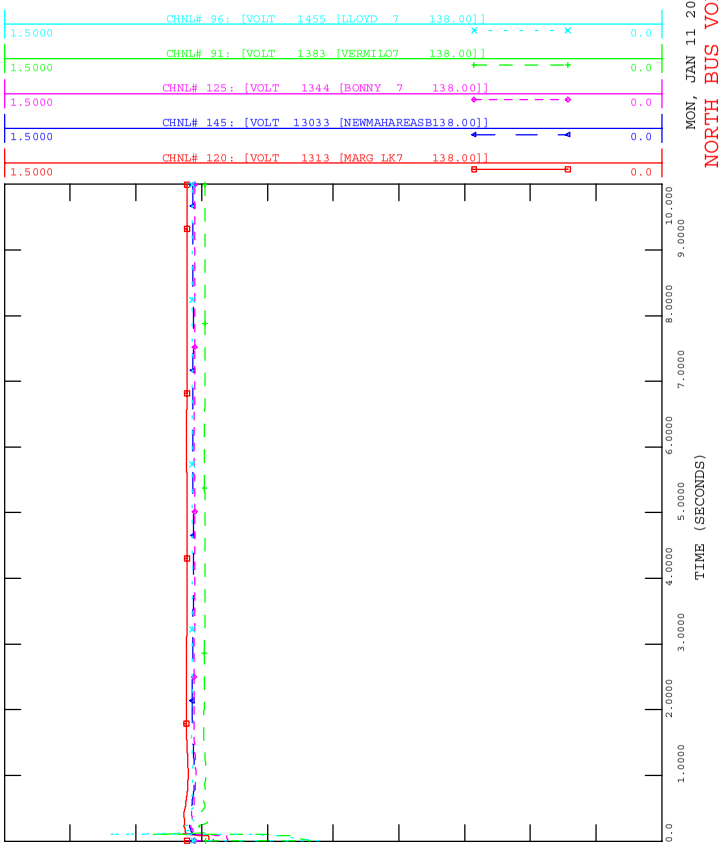


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

NORTH BUS VOLTAGES

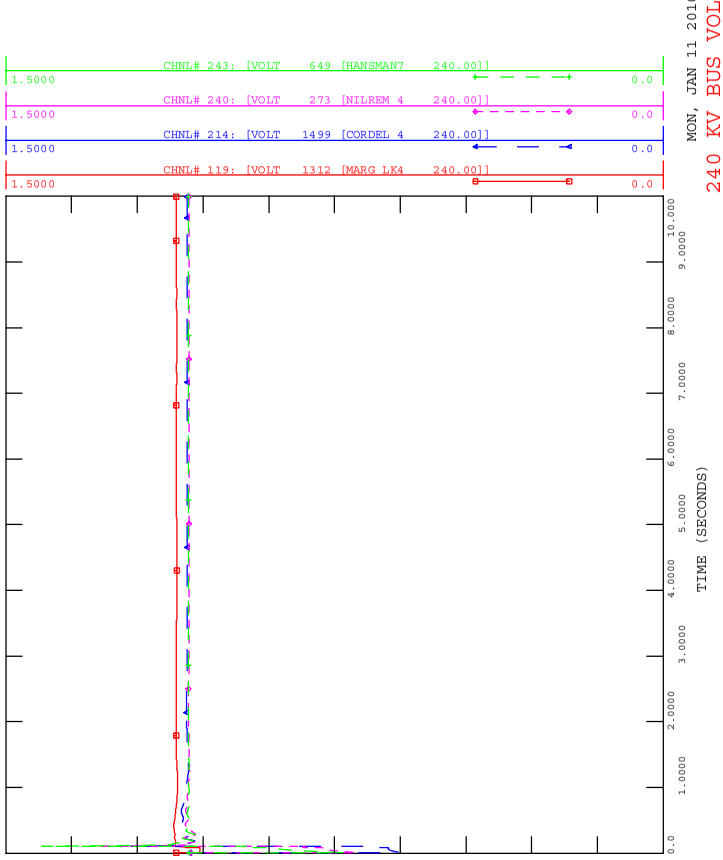


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

240 KV BUS VOLTAGES

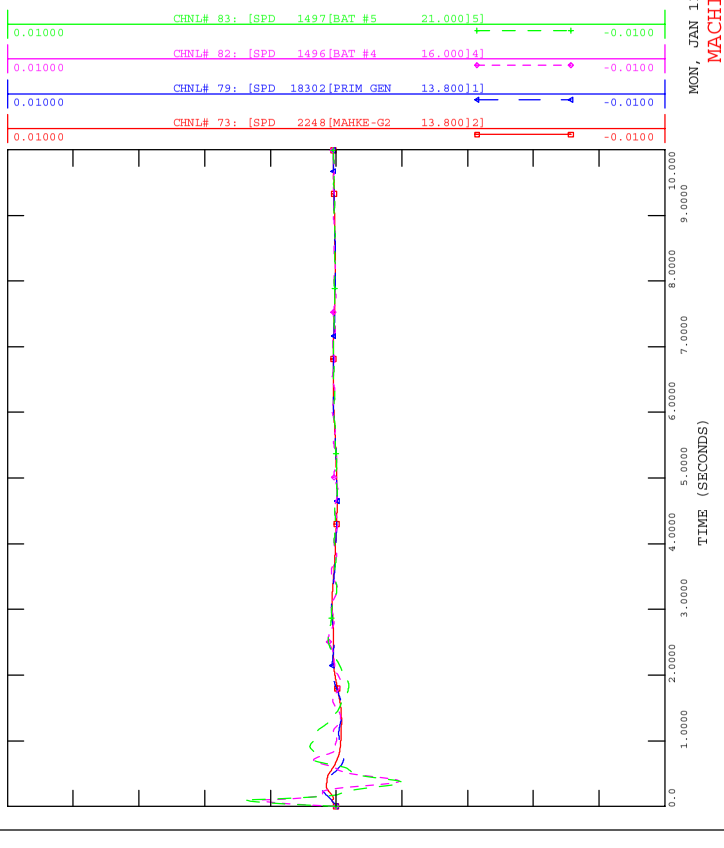


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

MACHINE SPEED

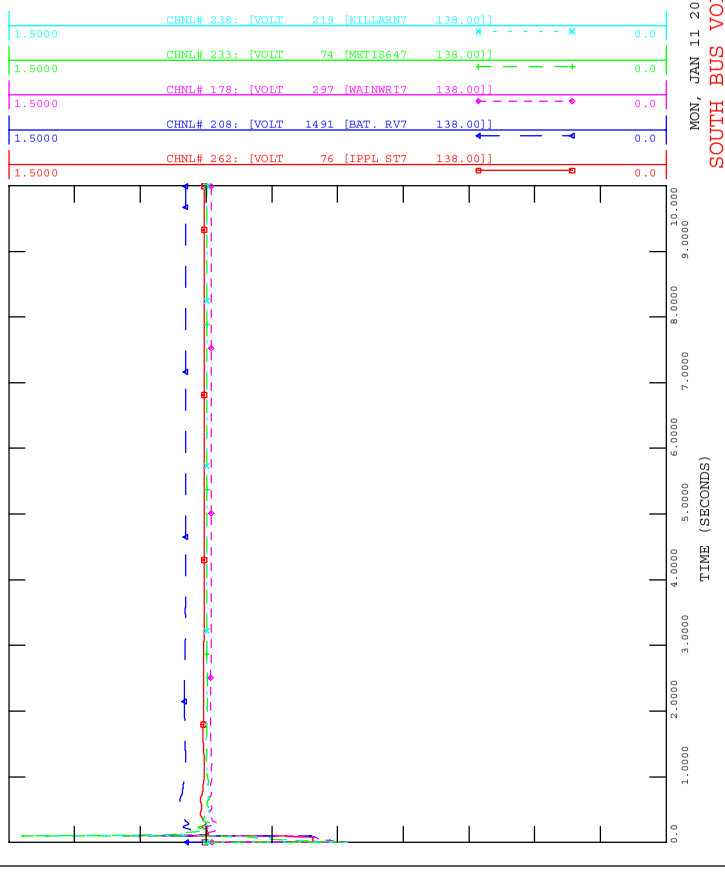


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

SOUTH BUS VOLTAGES

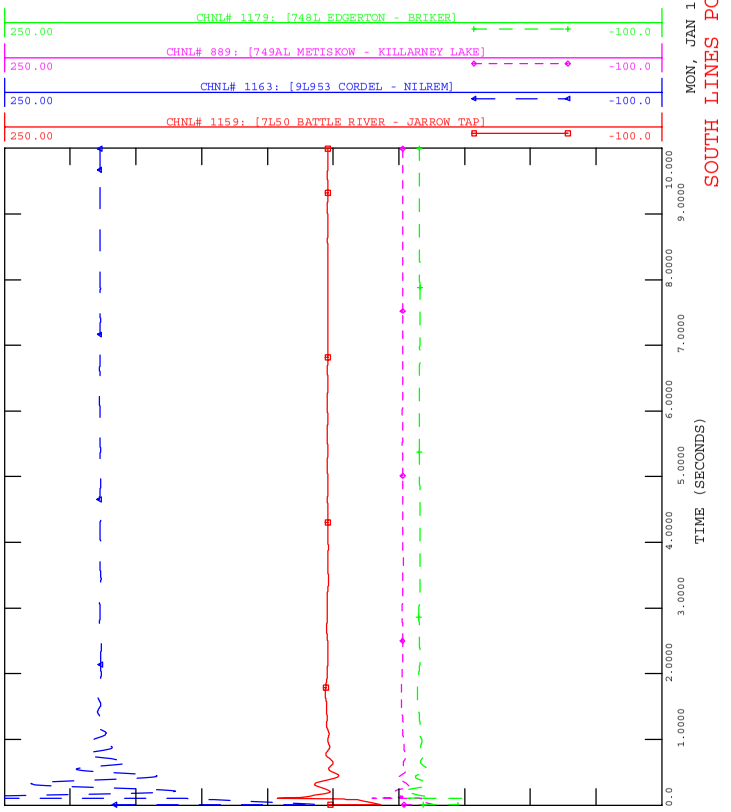


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

SOUTH LINES POWER FLOW

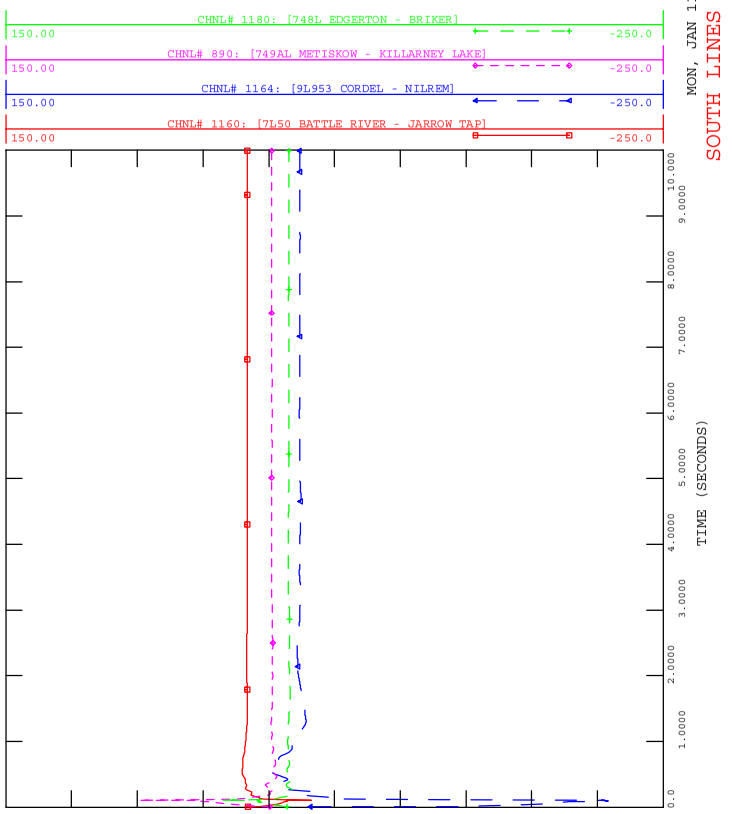


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

SOUTH LINES VAR FLOW

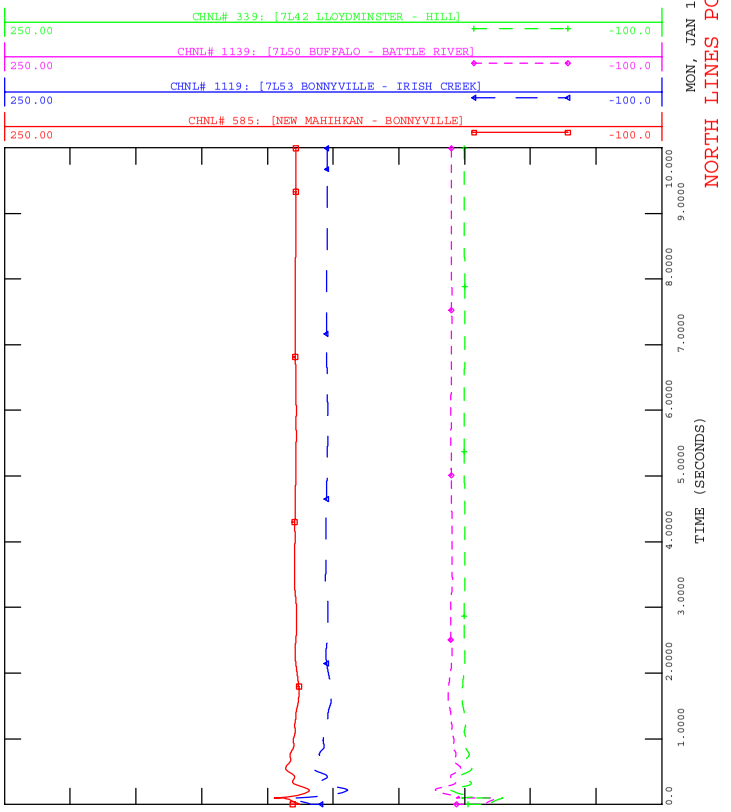


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

NORTH LINES POWER FLOW

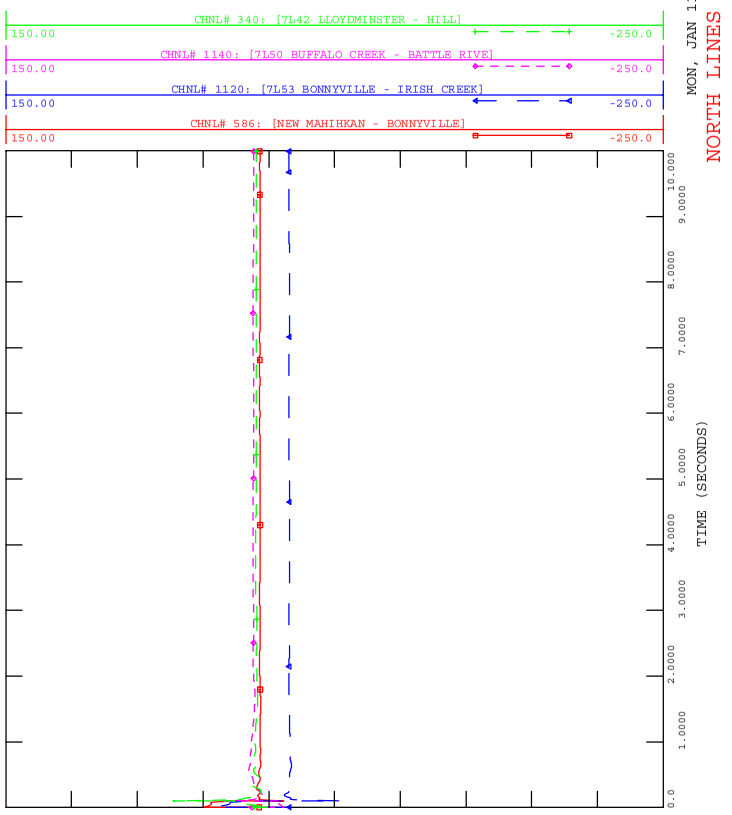


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

NORTH LINES VAR FLOW

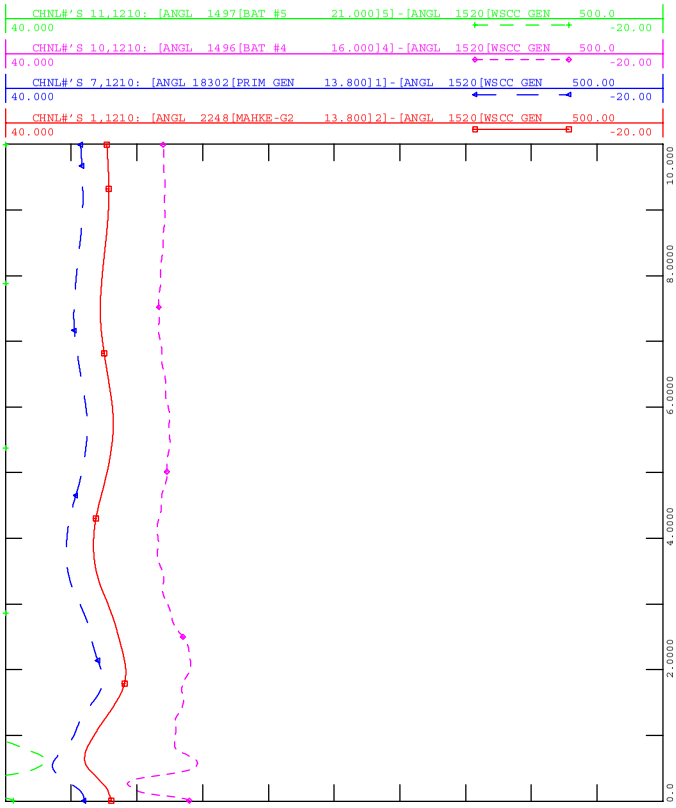


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

RELATIVE ROTOR ANGLES

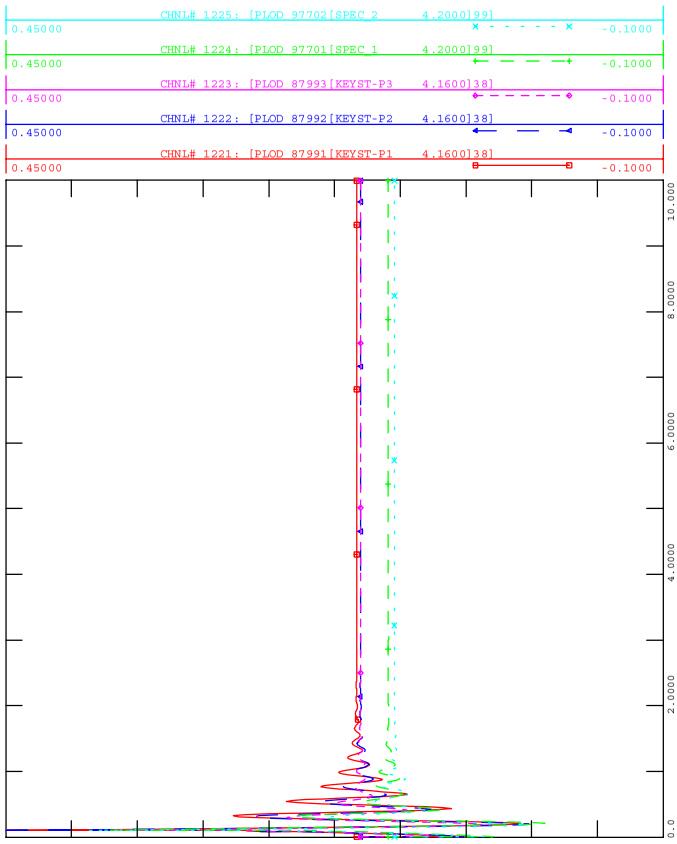


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

MOTOR LOADS GROUP II

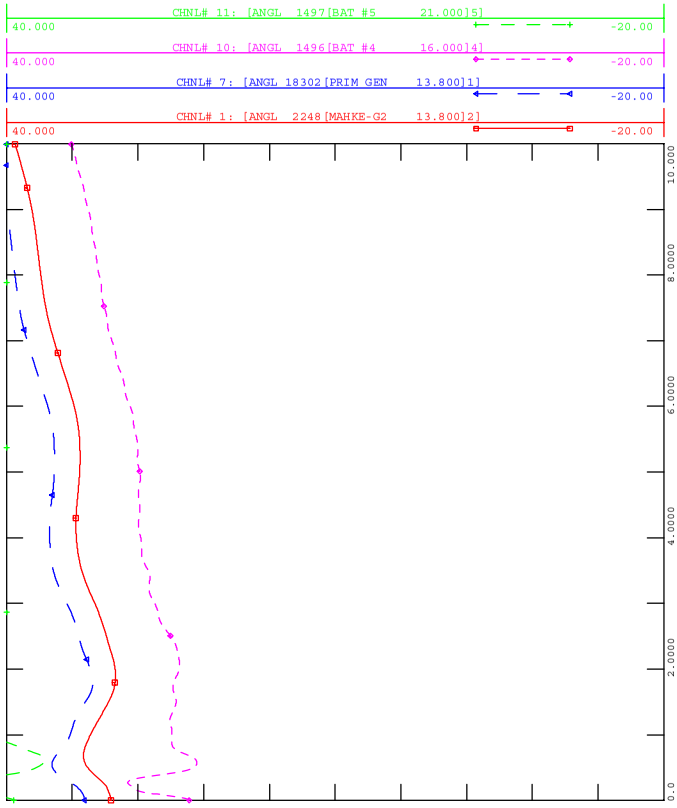


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

ROTOR ANGLES

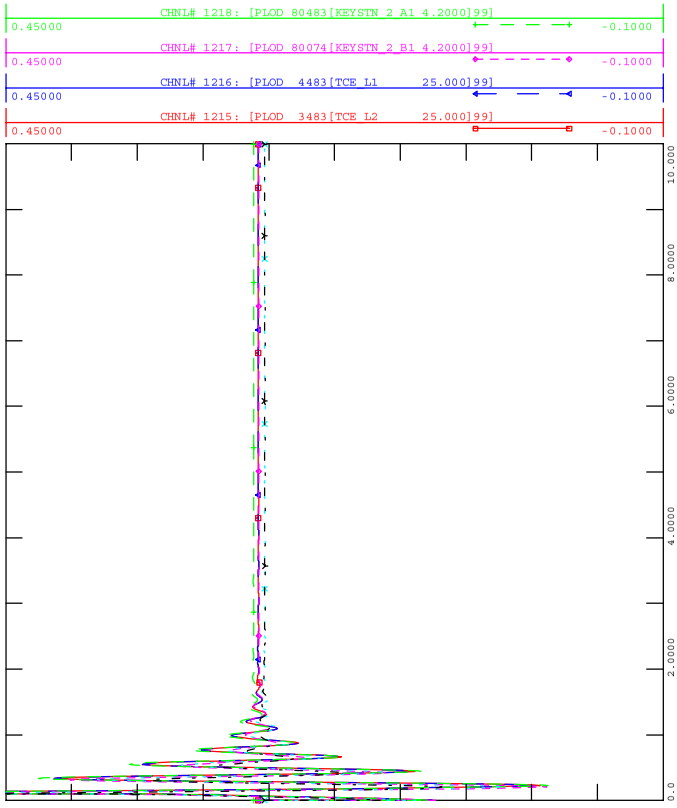


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B7fault.out

MON, JAN 11 2010 8:47

MOTOR LOADS GROUP I

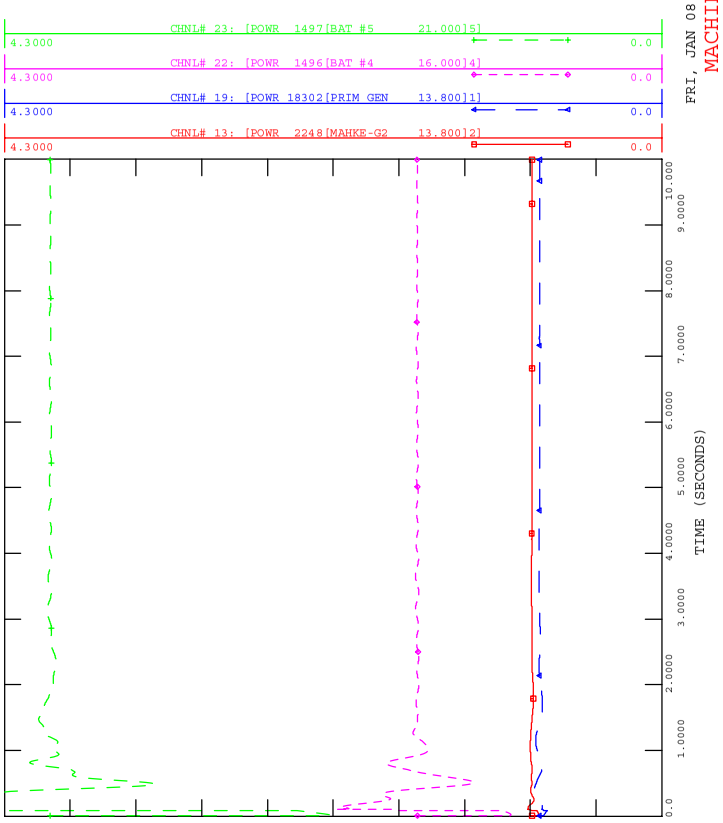


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

MACHINE POWER

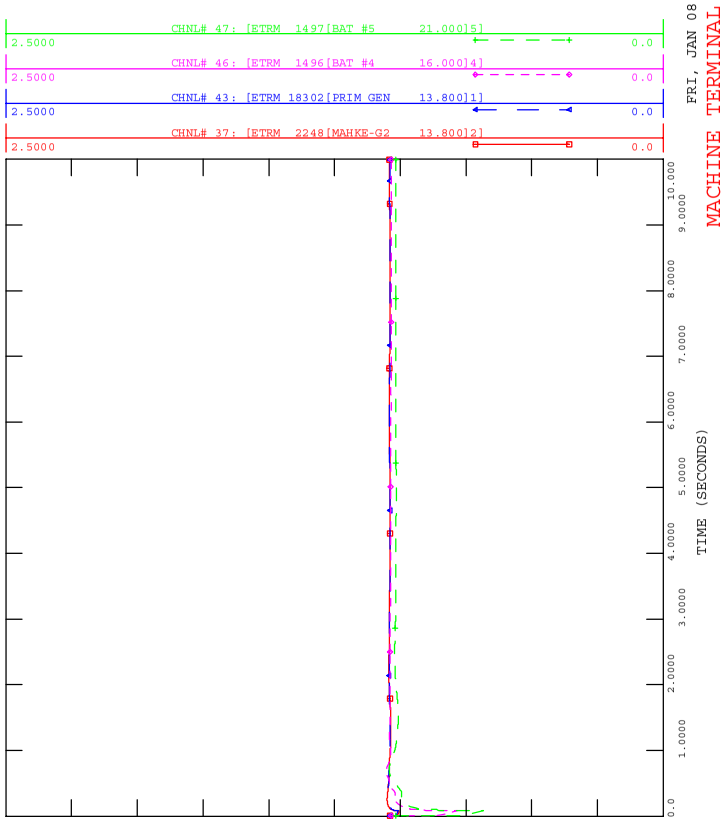


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

MACHINE TERMINAL VOLTAGE

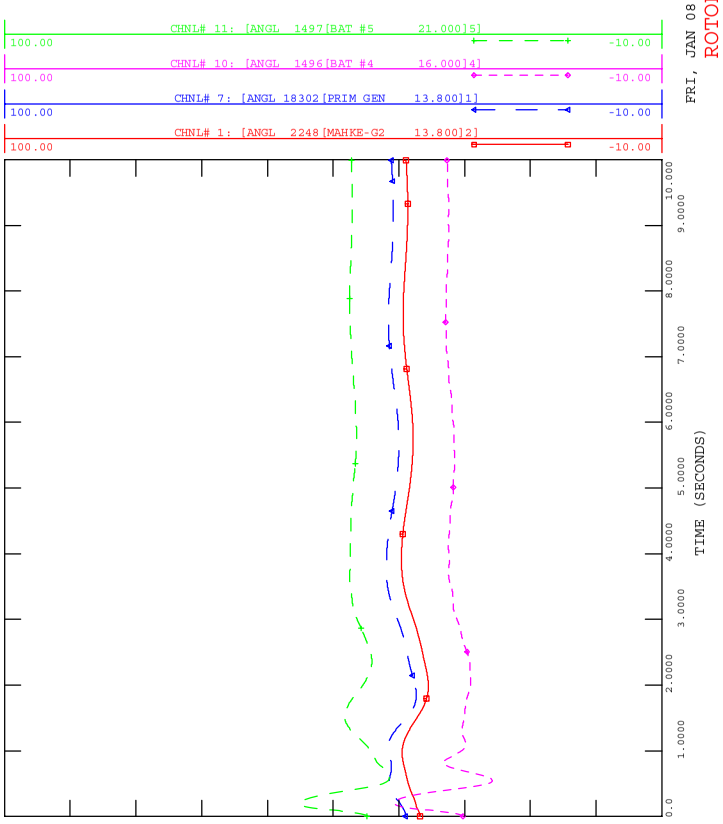


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

ROTOR ANGLES

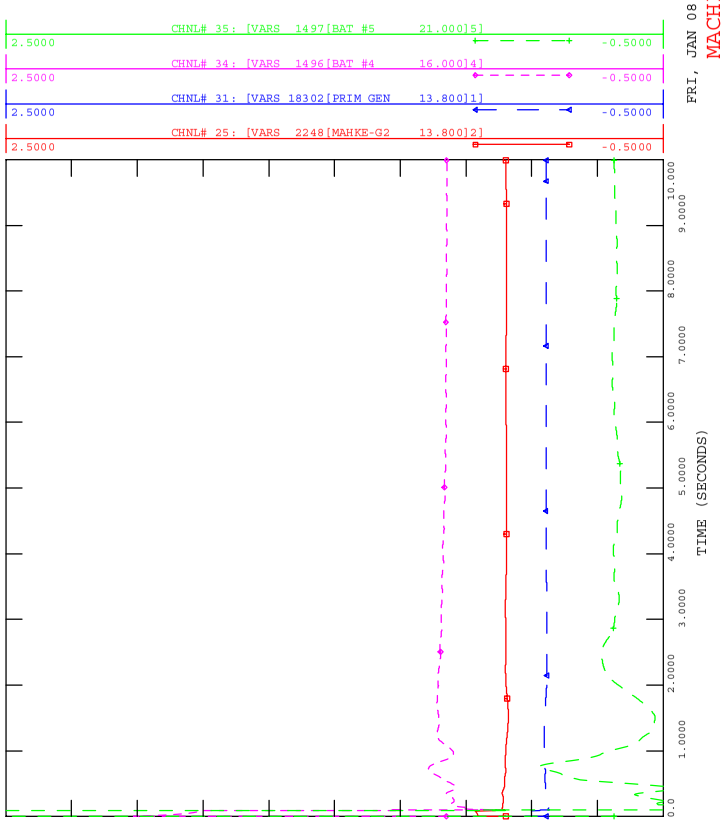


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

MACHINE VARS

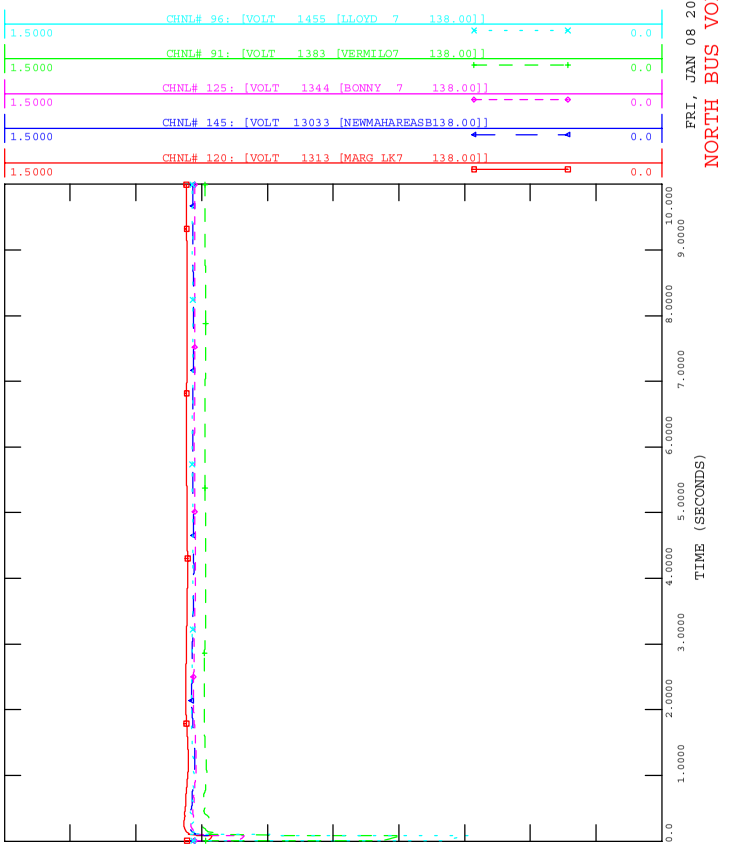


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

NORTH BUS VOLTAGES

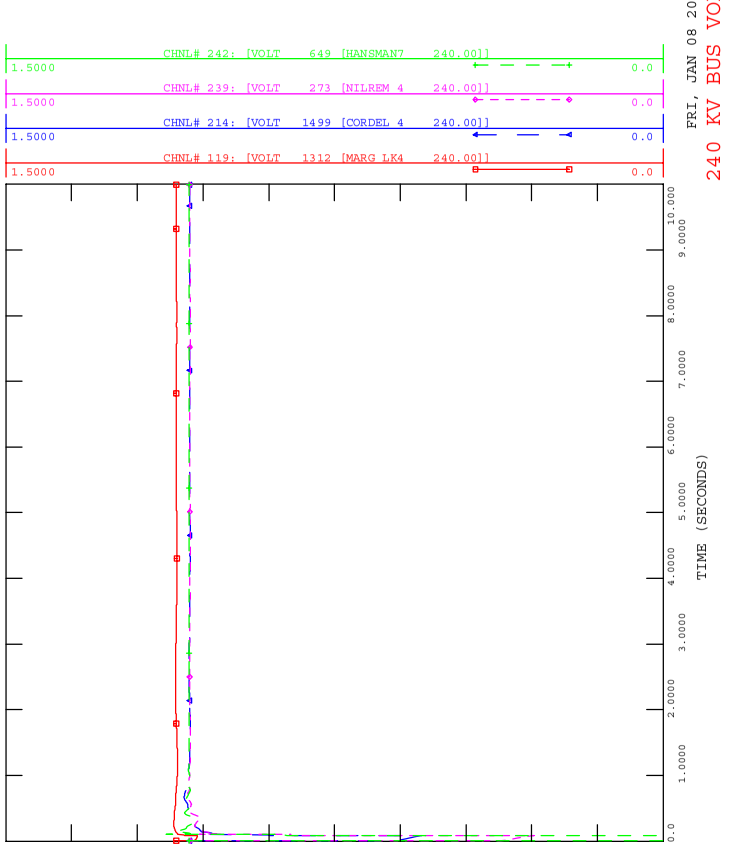


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

240 KV BUS VOLTAGES

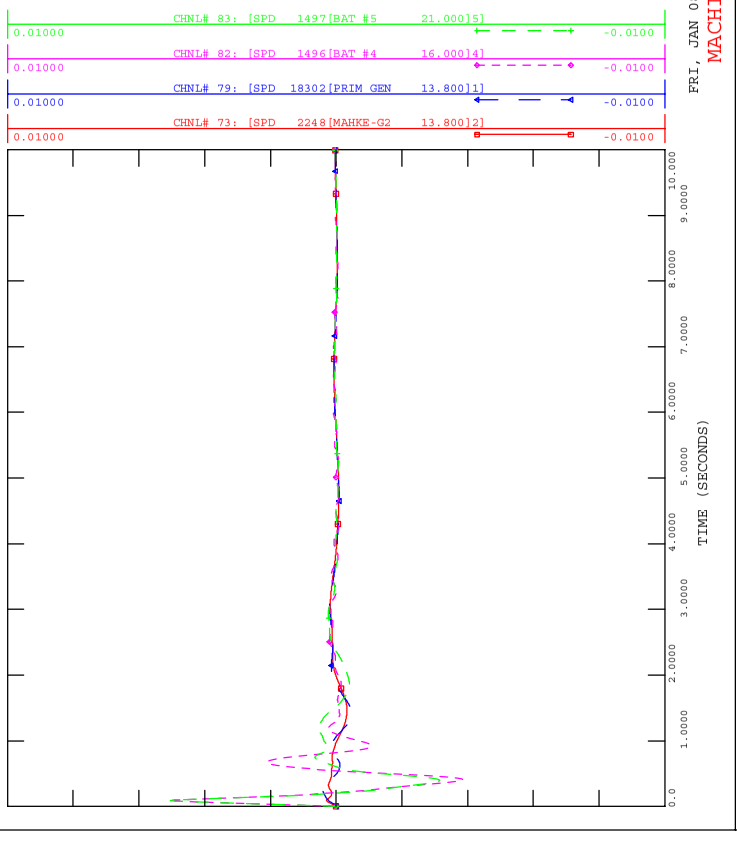


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

MACHINE SPEED

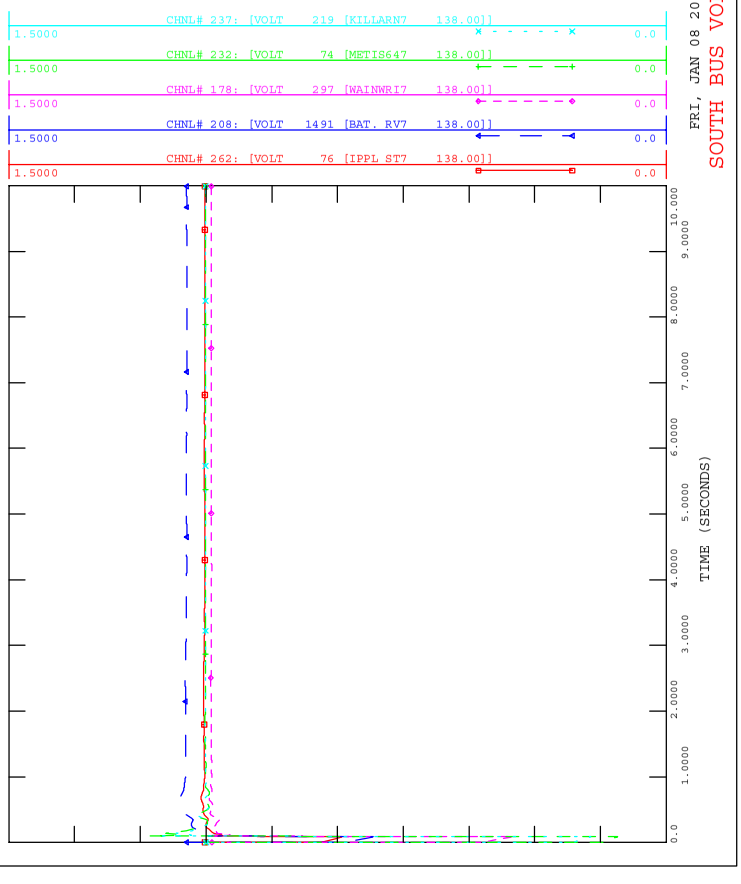


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

SOUTH BUS VOLTAGES



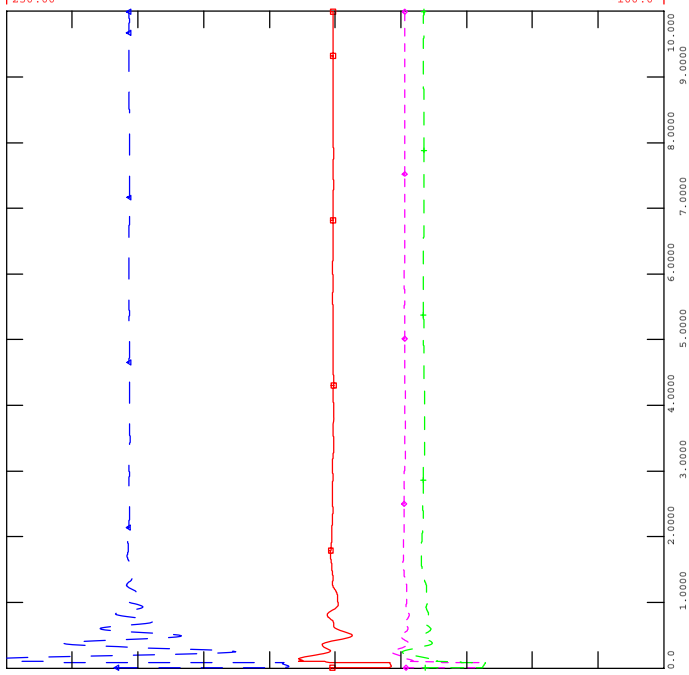
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER] 250.00 -100.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE] 250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM] 250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP] 250.00 -100.0



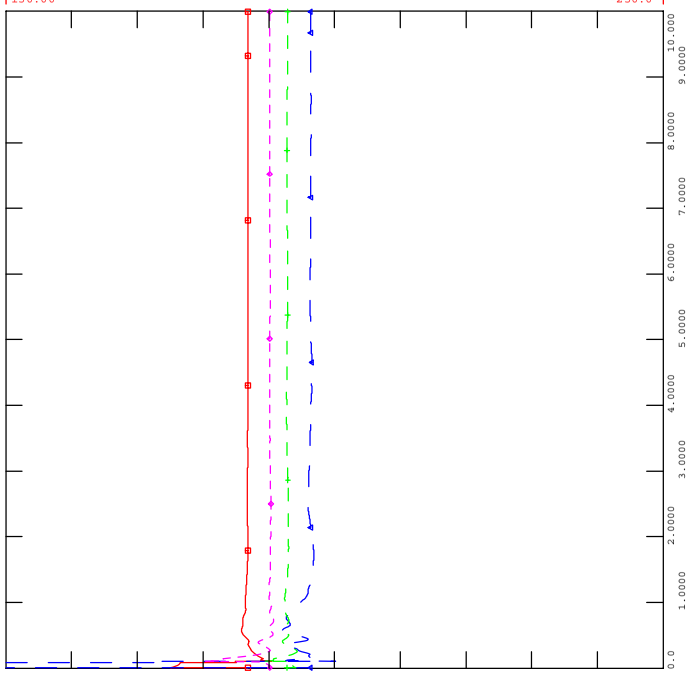
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 886: [749AL METISKOW - KILLARNEY LAKE] 150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0



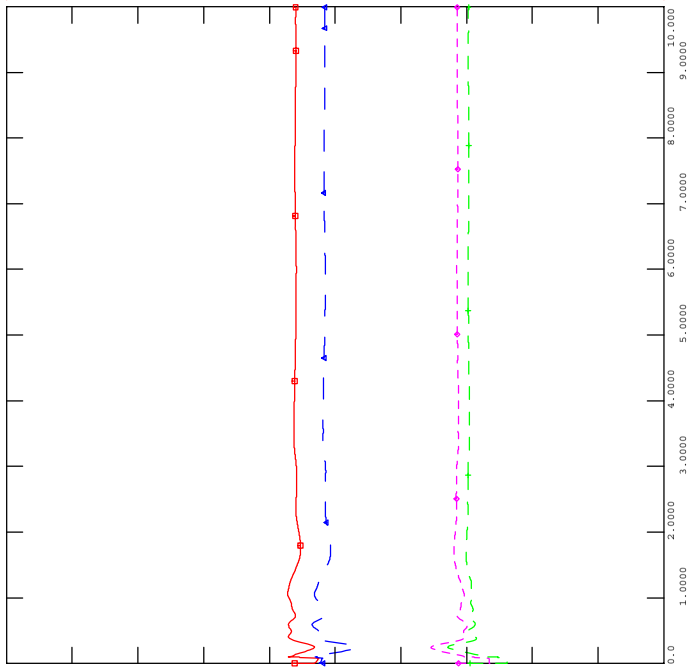
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0



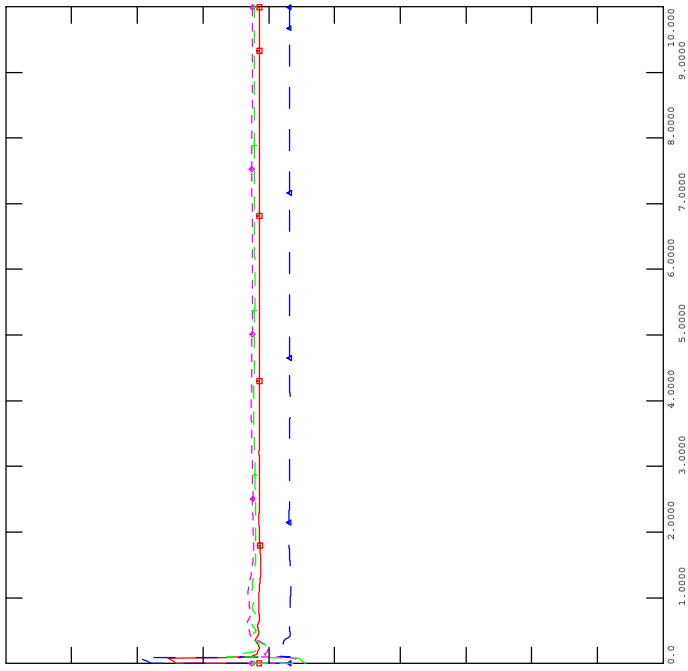
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

FRI, JAN 08 2010 17:39

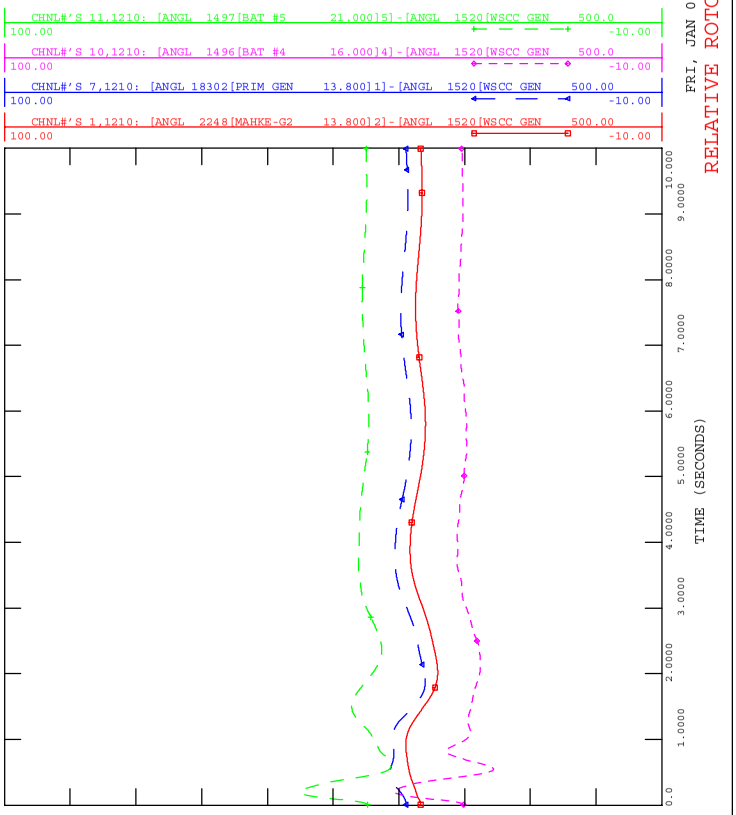
NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE] 150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

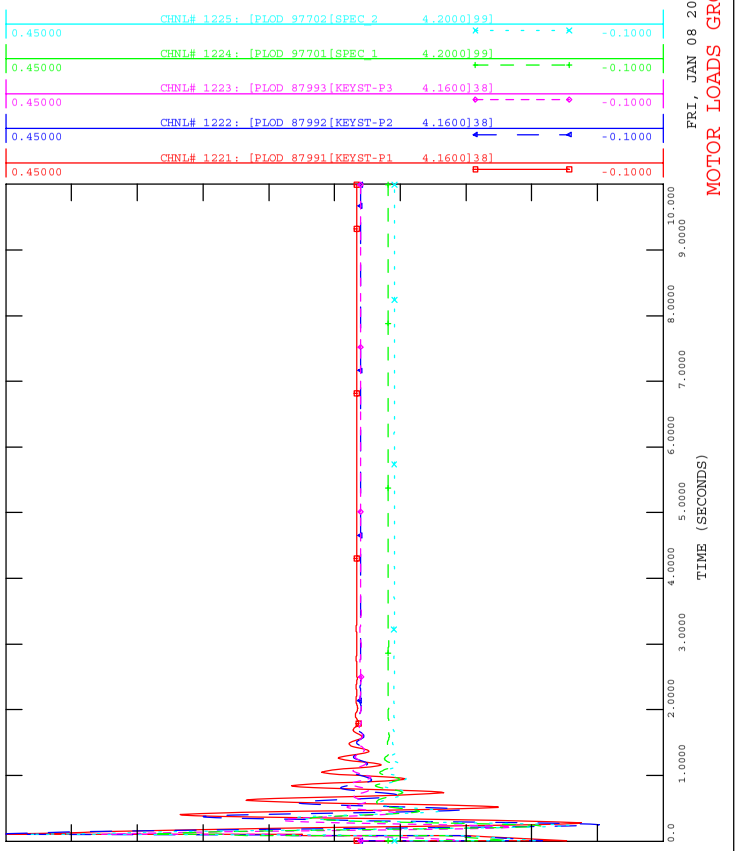


RELATIVE ROTOR ANGLES

FRI, JAN 08 2010 17:39

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

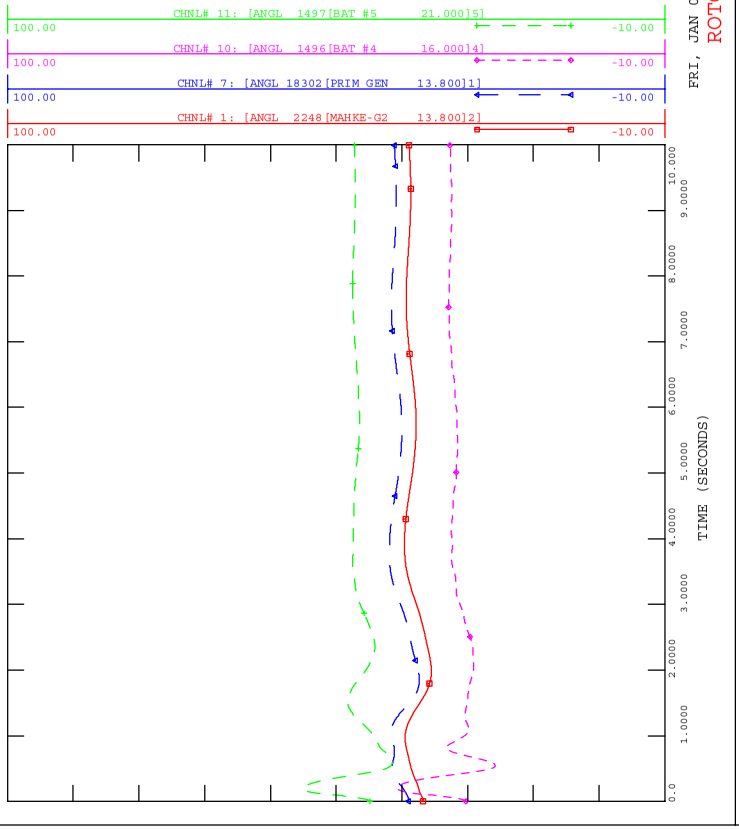


MOTOR LOADS GROUP II

FRI, JAN 08 2010 17:39

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out

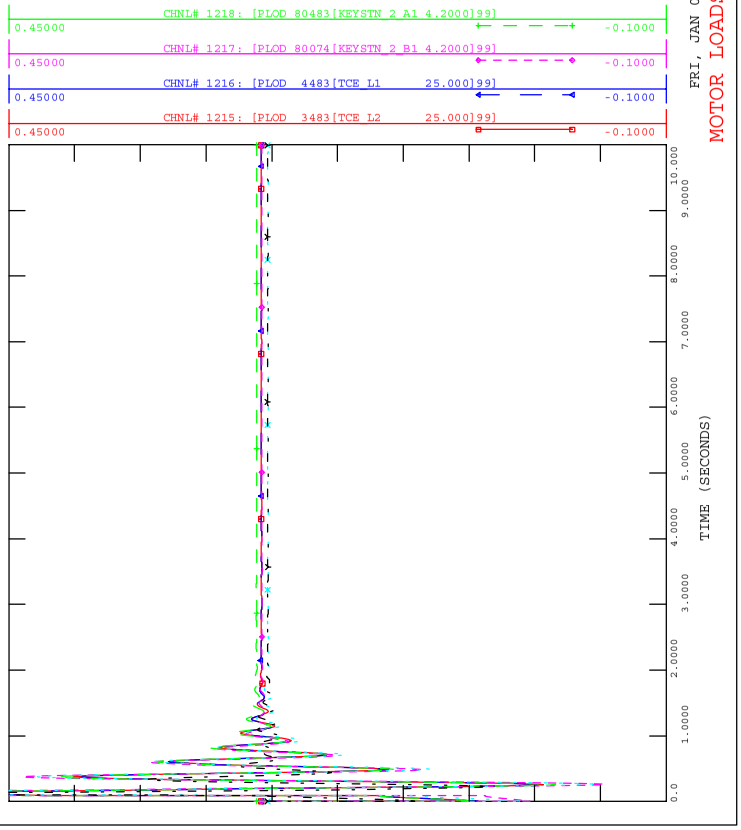


ROTOR ANGLES

FRI, JAN 08 2010 17:39

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B8fault.out



MOTOR LOADS GROUP I

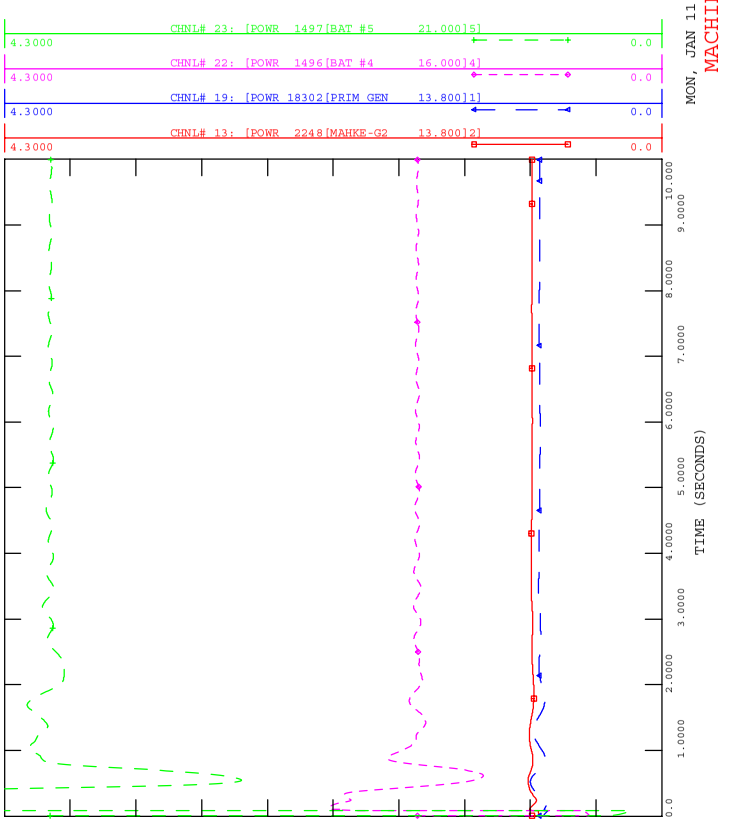
FRI, JAN 08 2010 17:39

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

MACHINE POWER

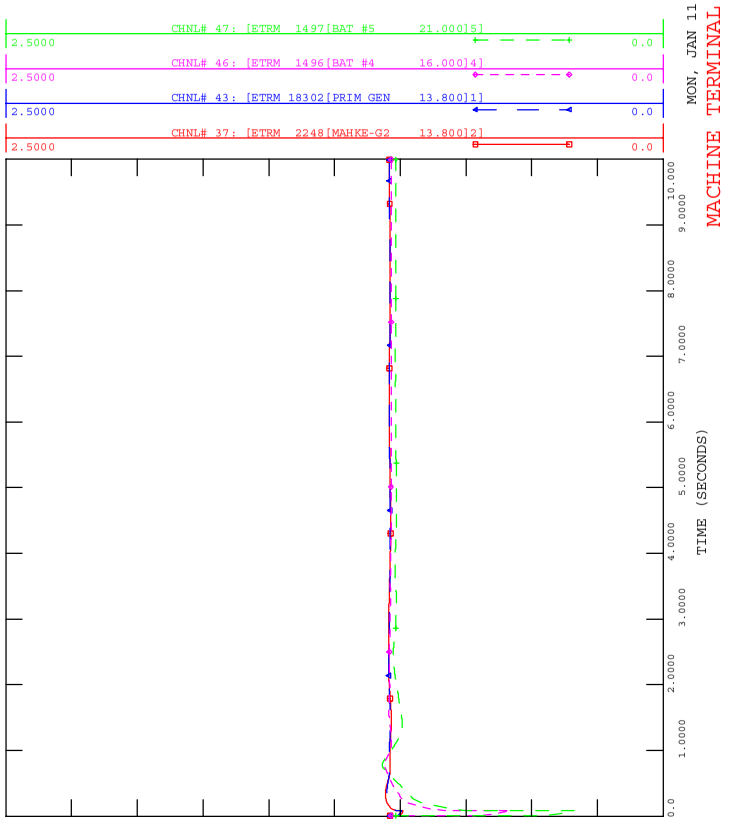


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

MACHINE TERMINAL VOLTAGE

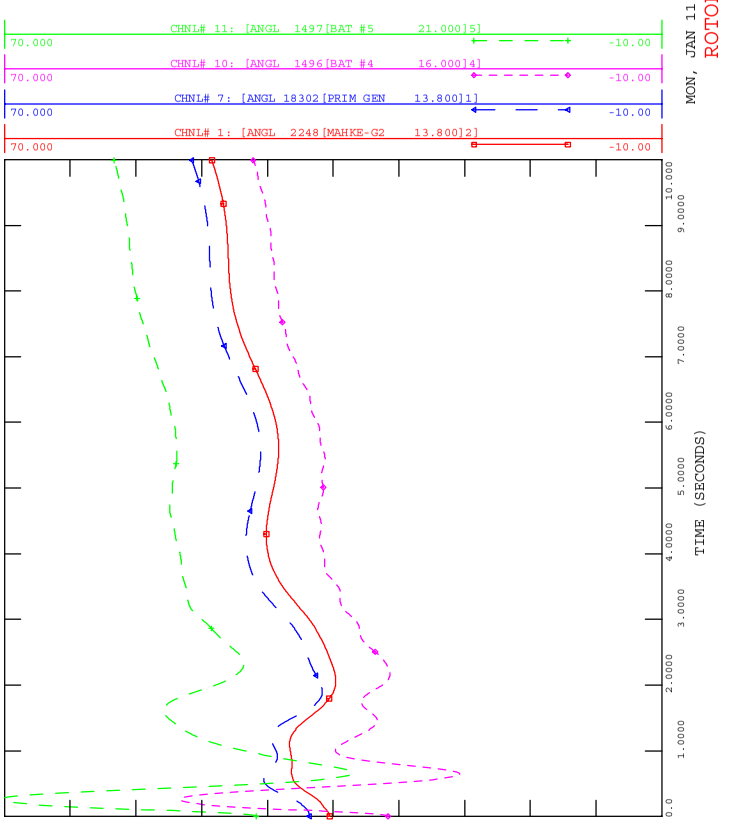


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

ROTOR ANGLES

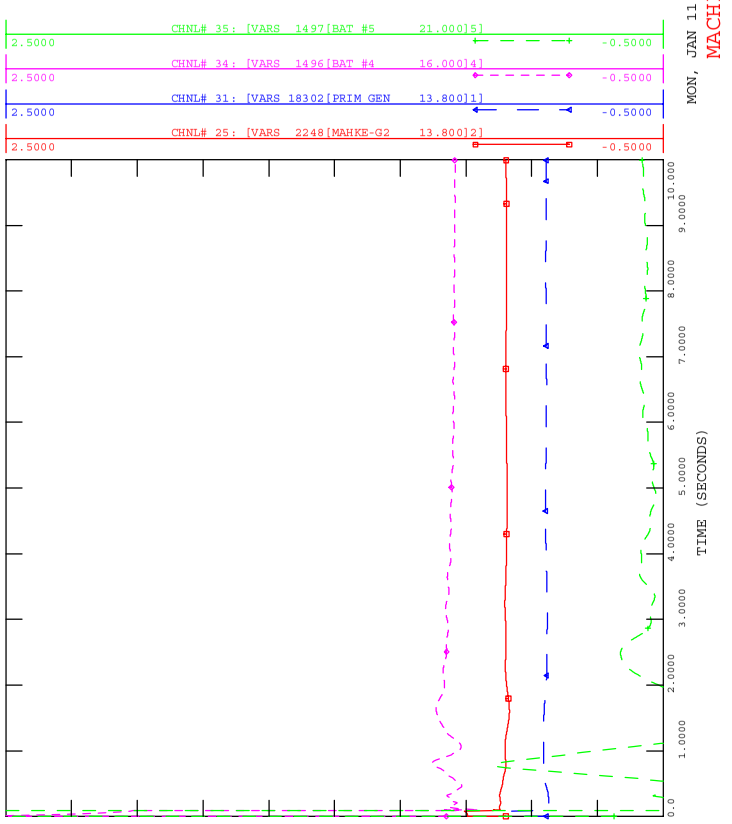


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 145: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

240 KV BUS VOLTAGES

CHNL# 243: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 240: [VOLT 273 [NILREM 4 240.00]]
CHNL# 214: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

SOUTH BUS VOLTAGES

CHNL# 238: [VOLT 219 [KILLARN7 138.00]]
CHNL# 233: [VOLT 74 [METIS647 138.00]]
CHNL# 178: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 208: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 262: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

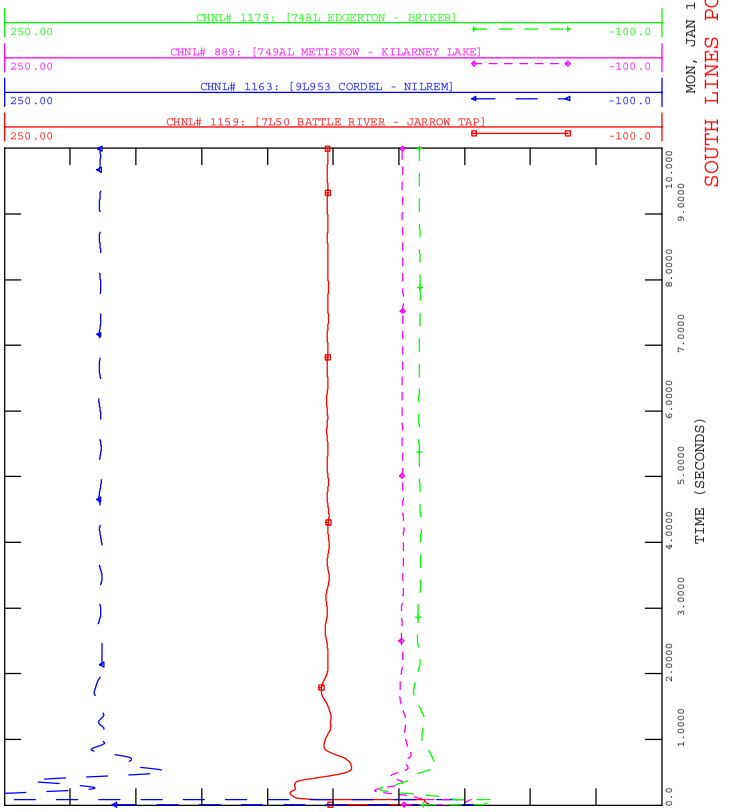
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

SOUTH LINES POWER FLOW

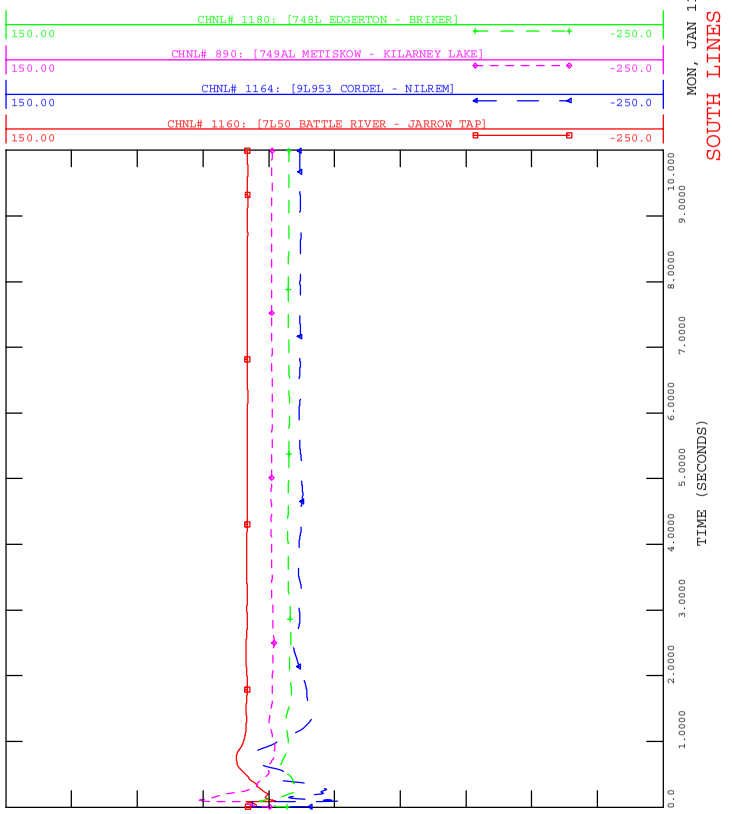


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

SOUTH LINES VAR FLOW

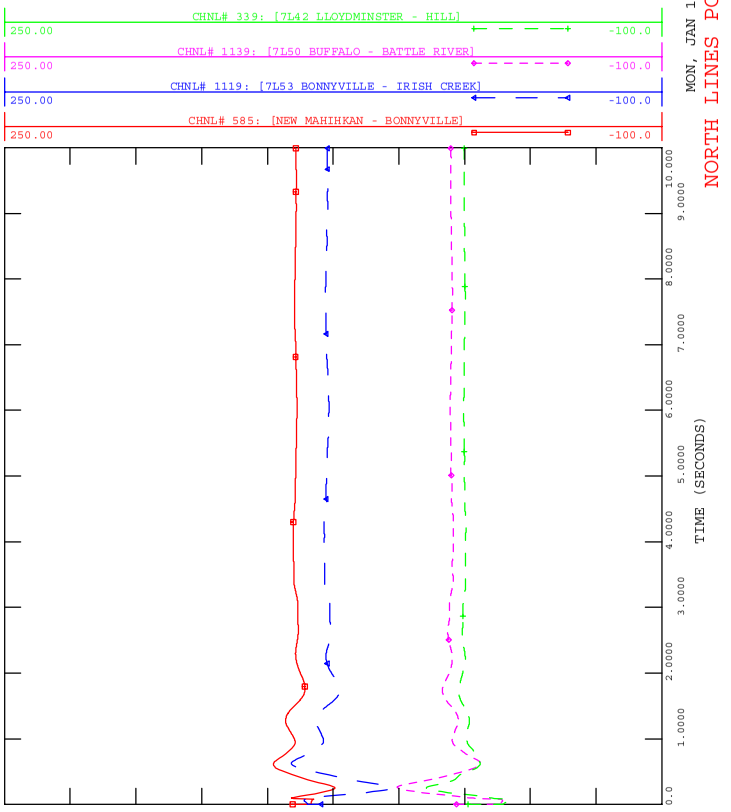


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

NORTH LINES POWER FLOW

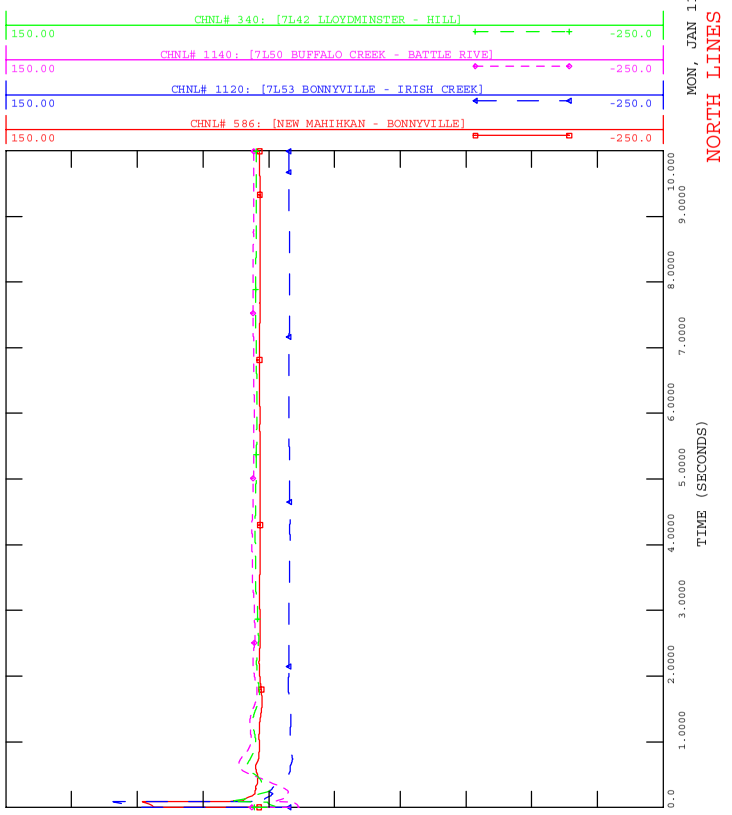


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

NORTH LINES VAR FLOW

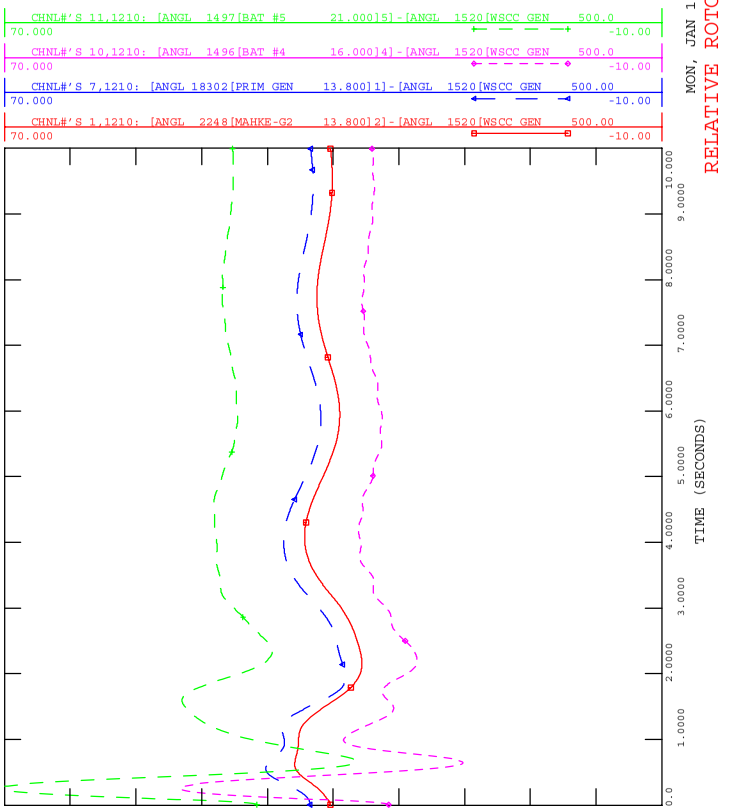


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

RELATIVE ROTOR ANGLES

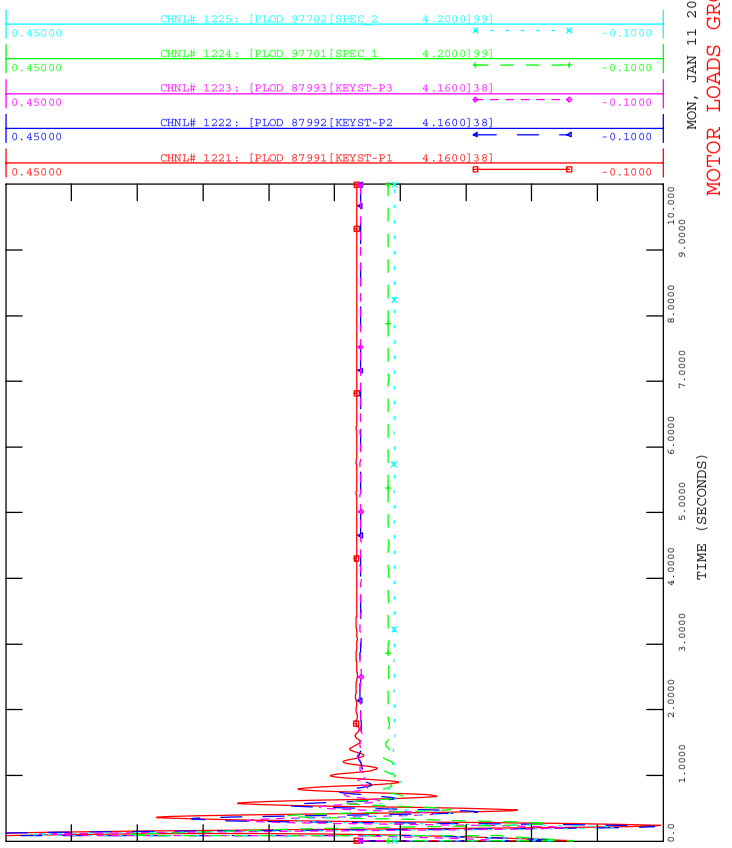


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

MOTOR LOADS GROUP II

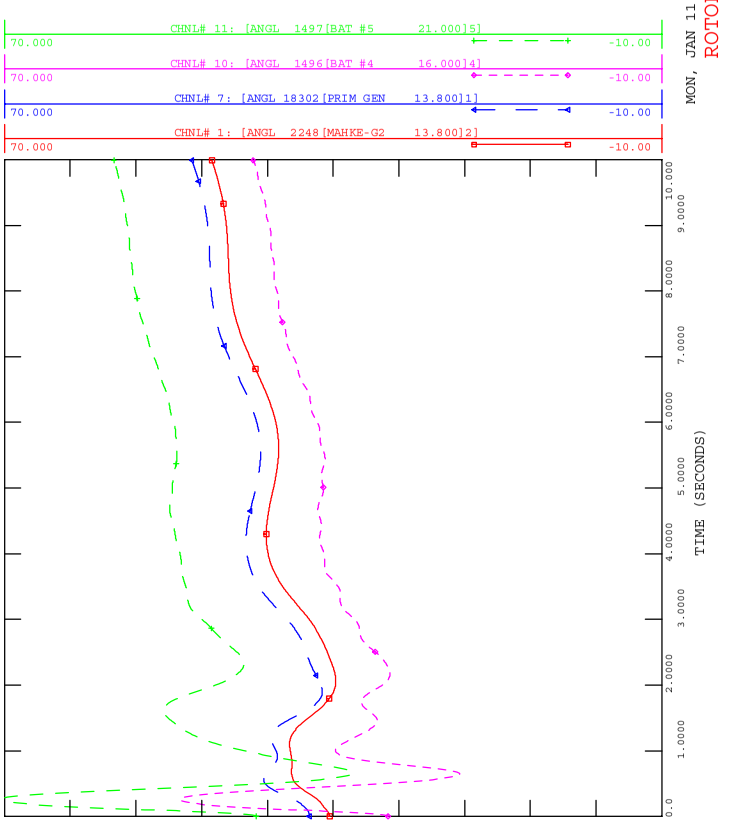


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

ROTOR ANGLES

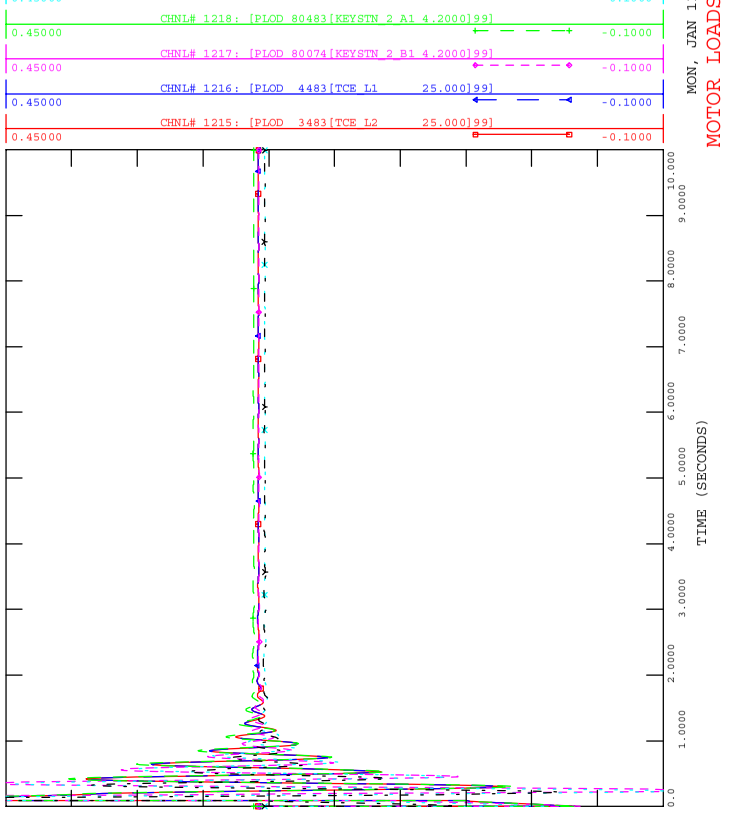


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B9fault.out

MON, JAN 11 2010 8:14

MOTOR LOADS GROUP I

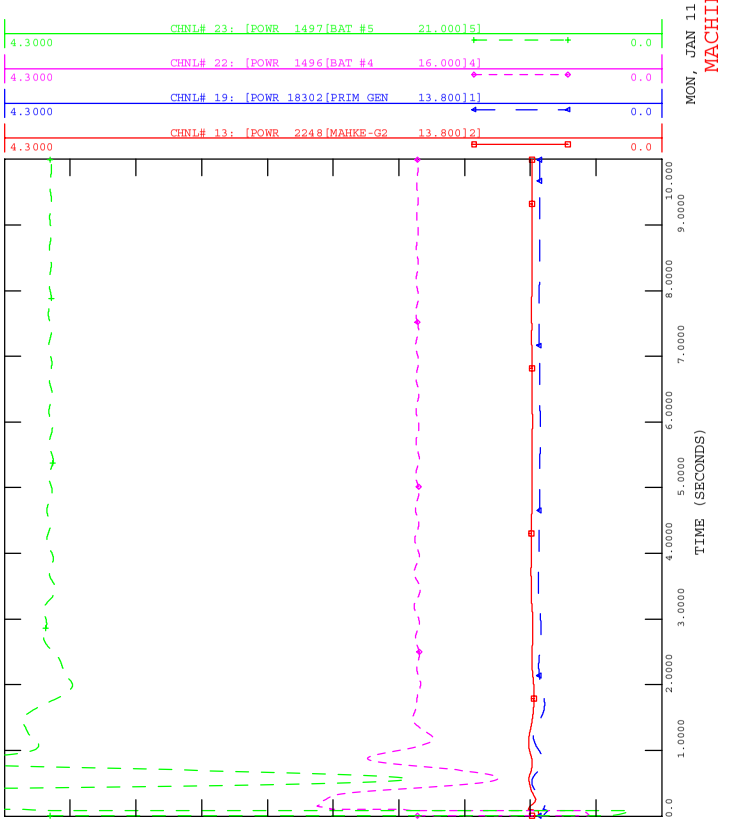


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

MACHINE POWER

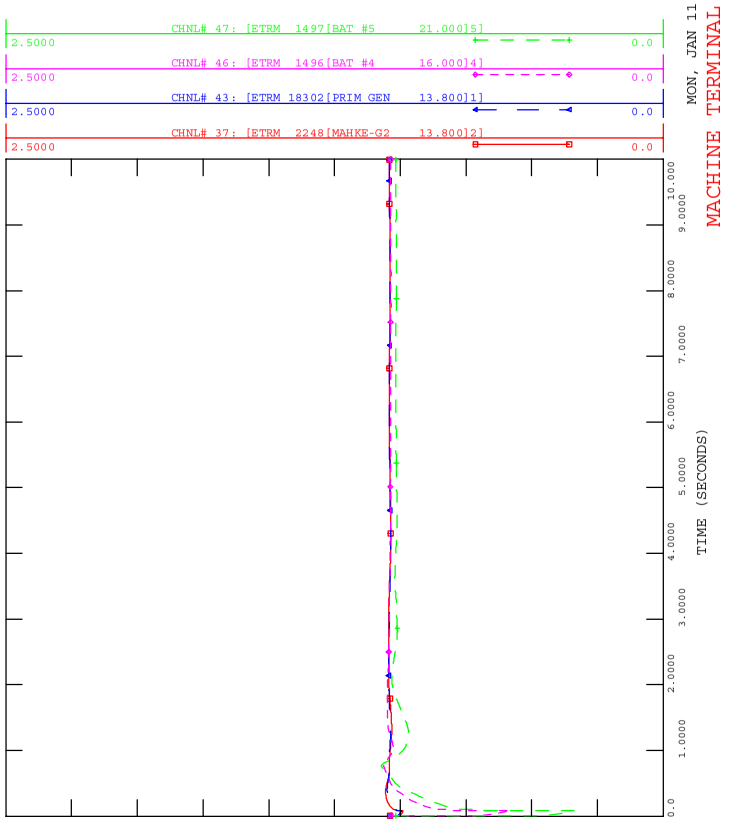


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

MACHINE TERMINAL VOLTAGE

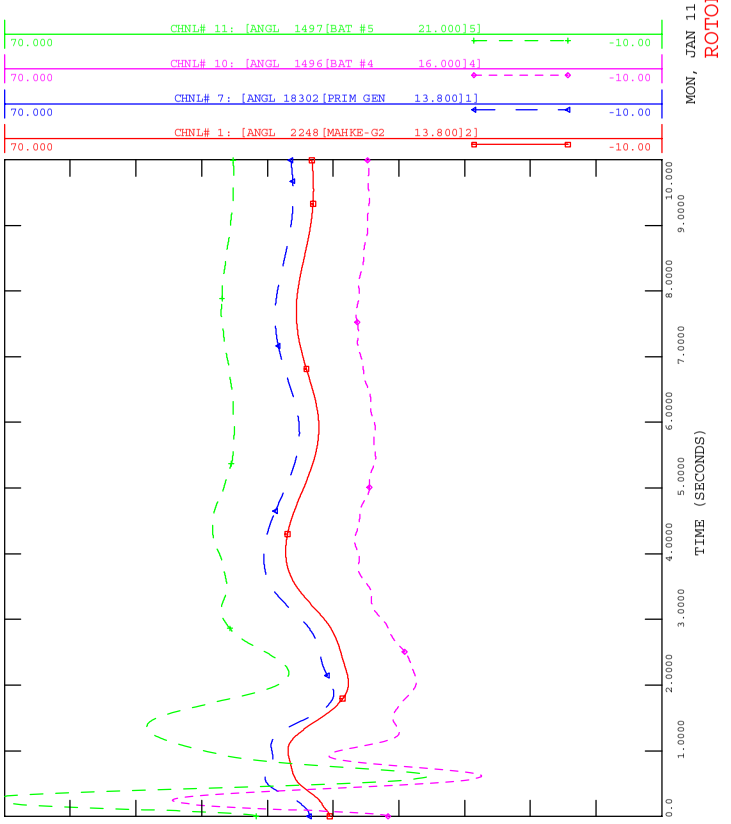


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

ROTOR ANGLES

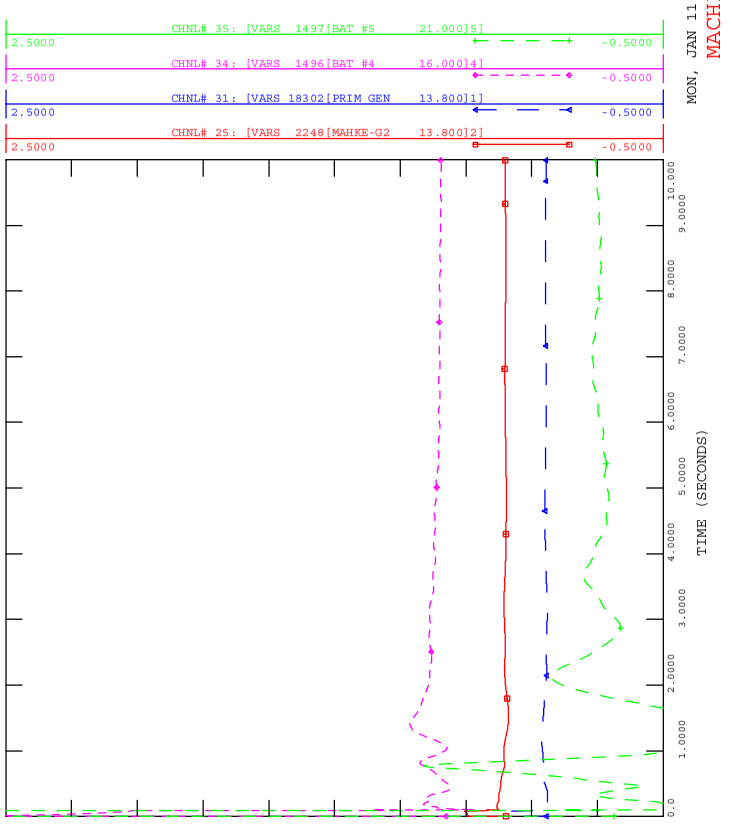


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

MACHINE VARS

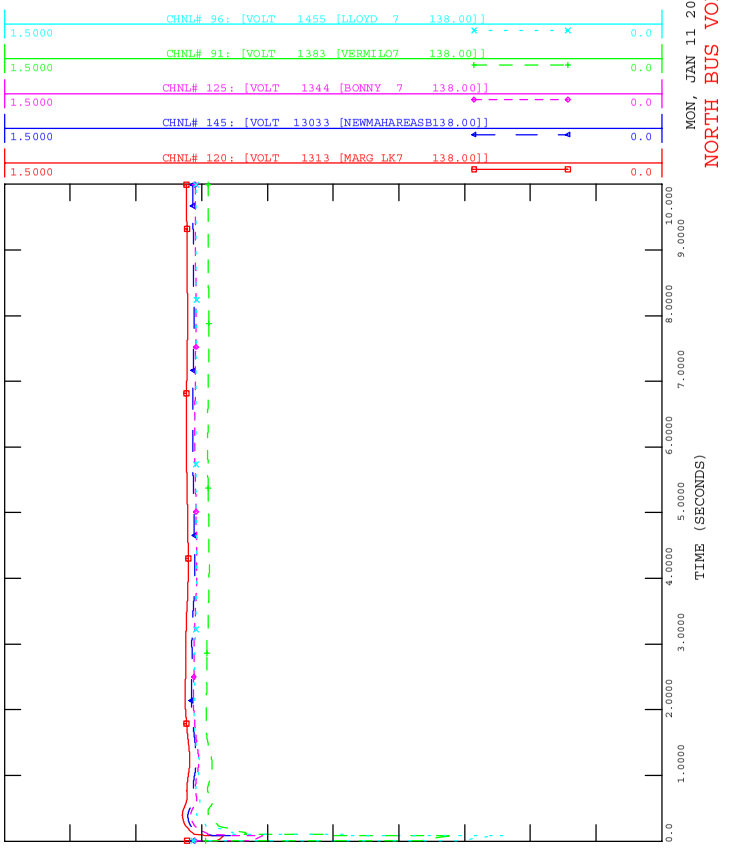


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

NORTH BUS VOLTAGES

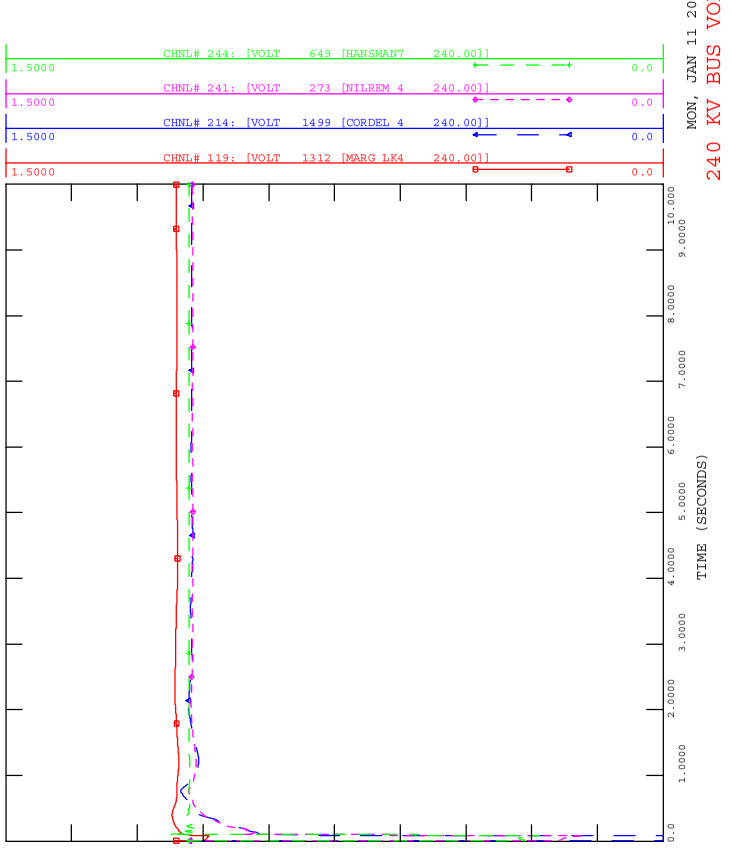


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

240 KV BUS VOLTAGES

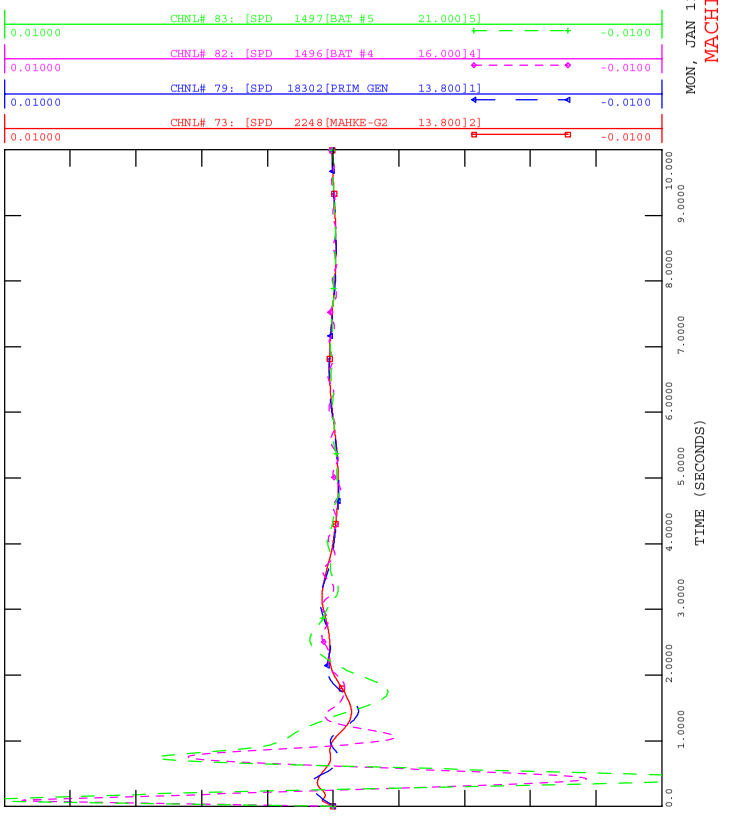


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

MACHINE SPEED

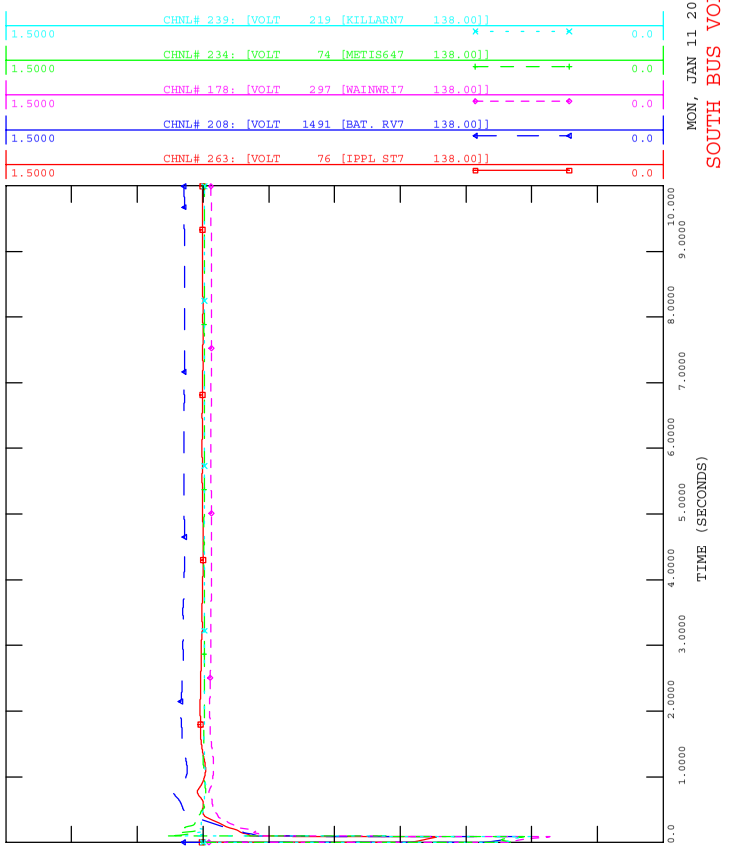


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER] 400.00 -100.0
CHNL# 895: [749AL METISKOW - KILLARNEY LAKE] 400.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM] 400.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP] 400.00 -100.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 896: [749AL METISKOW - KILLARNEY LAKE] 150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE] 150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 587: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

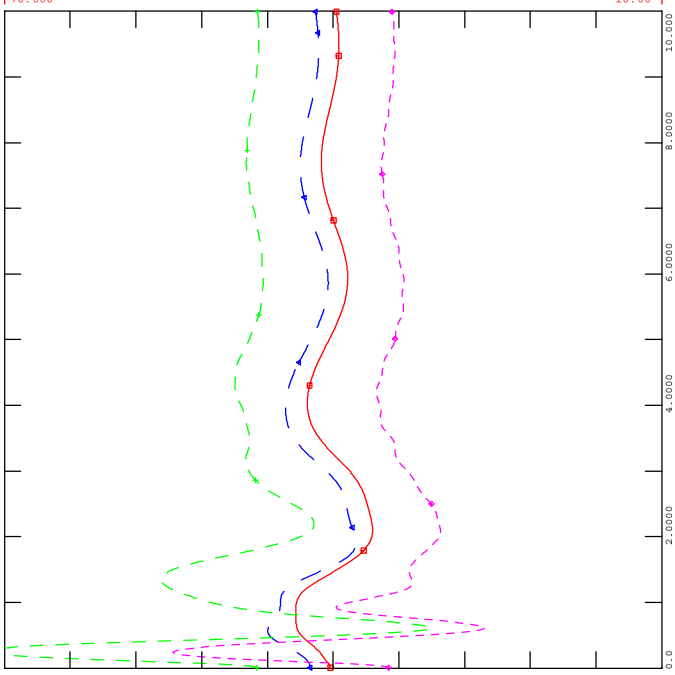
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



TIME (SECONDS)

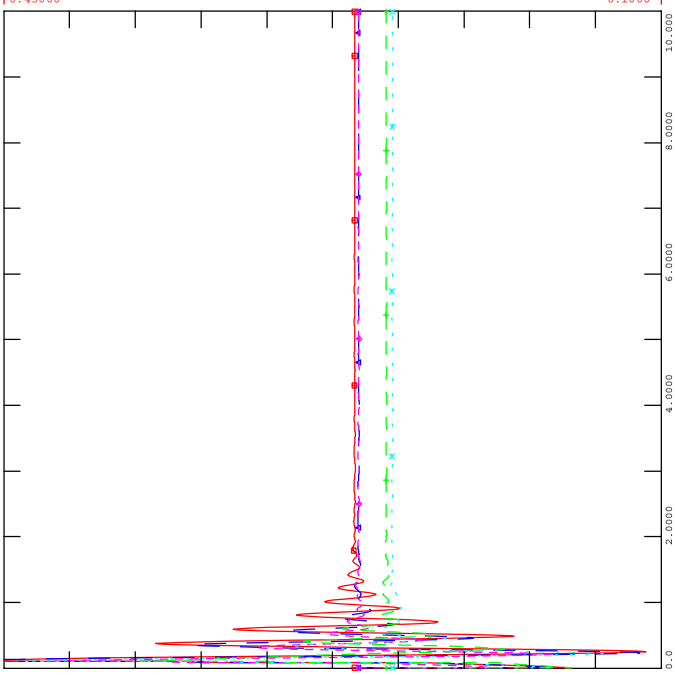
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



TIME (SECONDS)

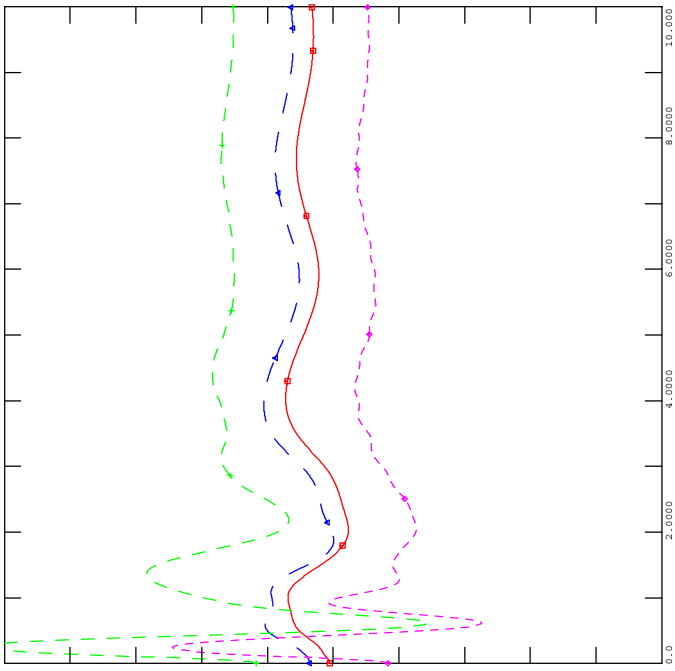
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



TIME (SECONDS)

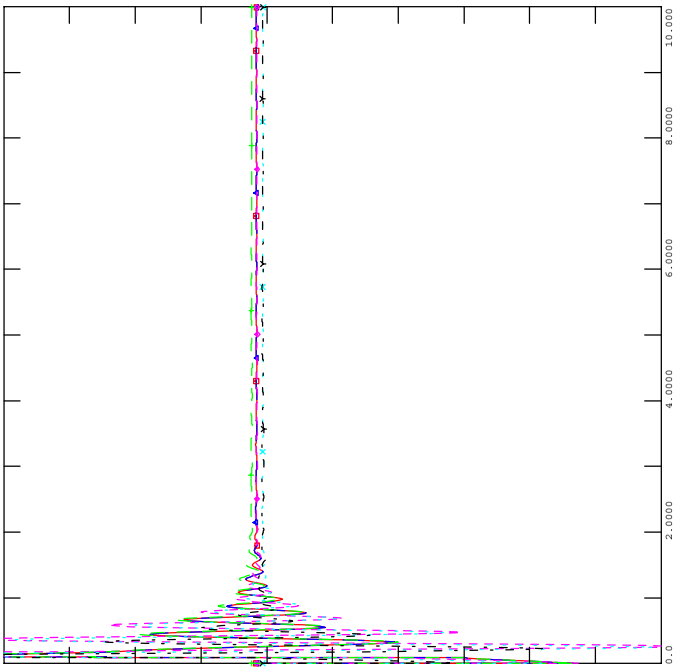
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B10fault.out

MON, JAN 11 2010 8:14

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000



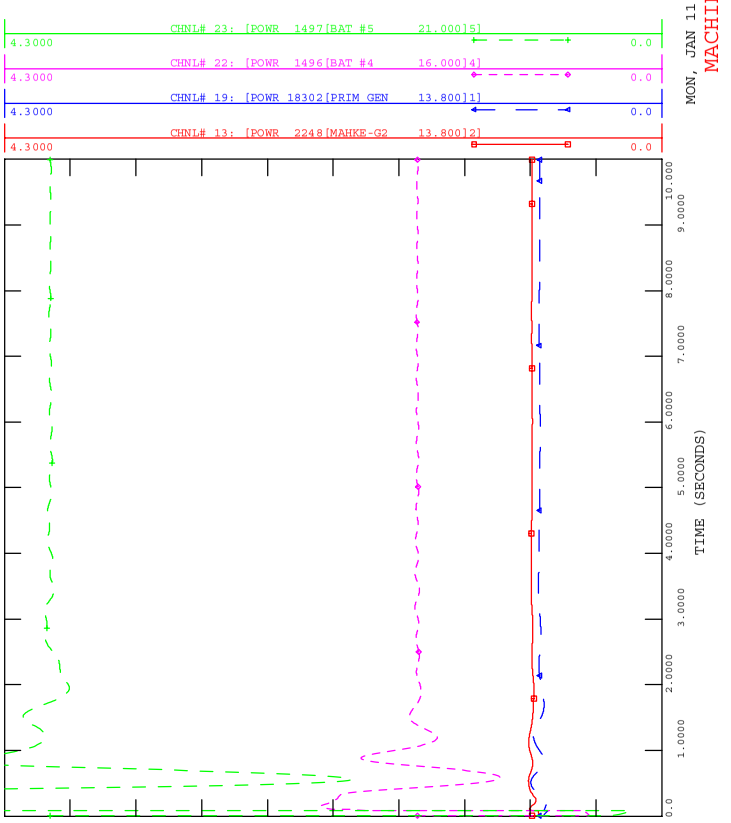
TIME (SECONDS)

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

MACHINE POWER

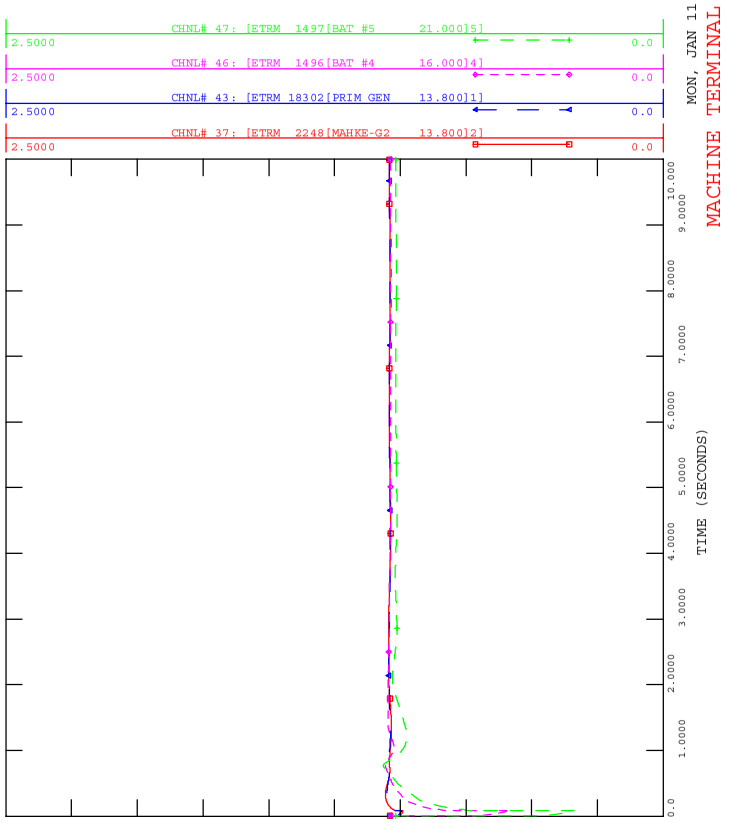


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

MACHINE TERMINAL VOLTAGE

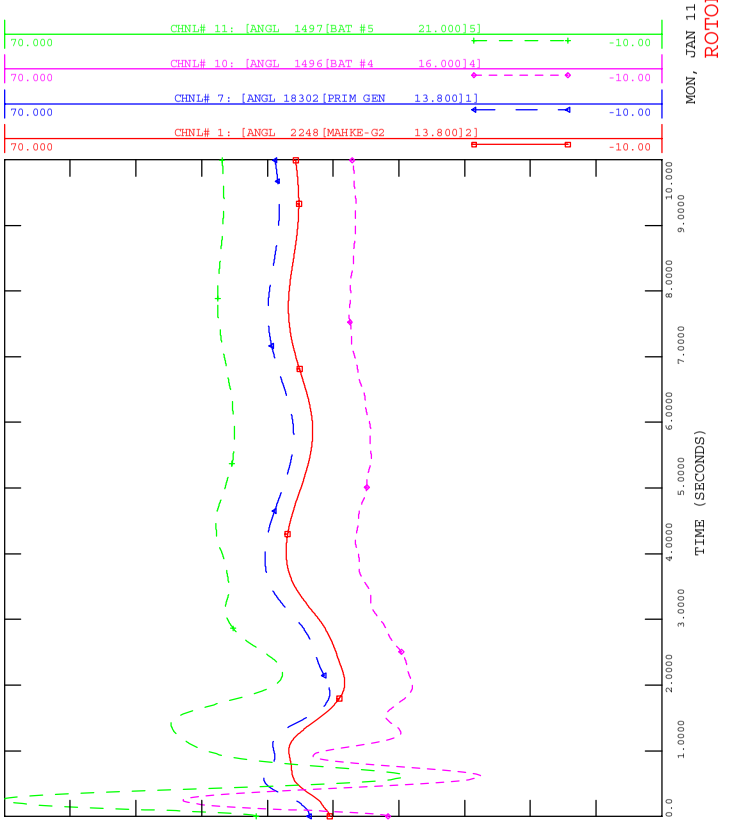


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

ROTOR ANGLES

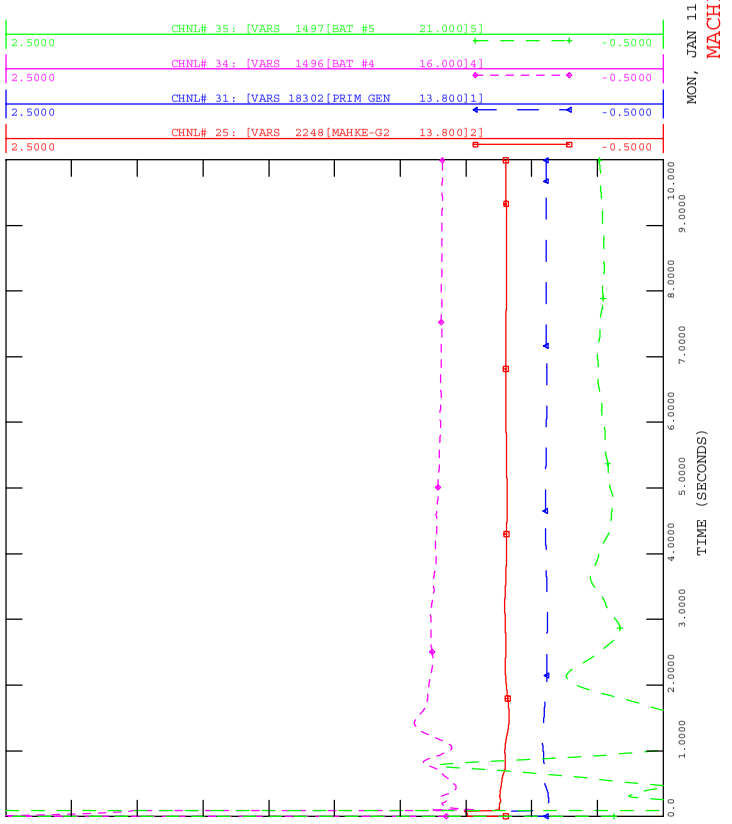


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

MACHINE VARS

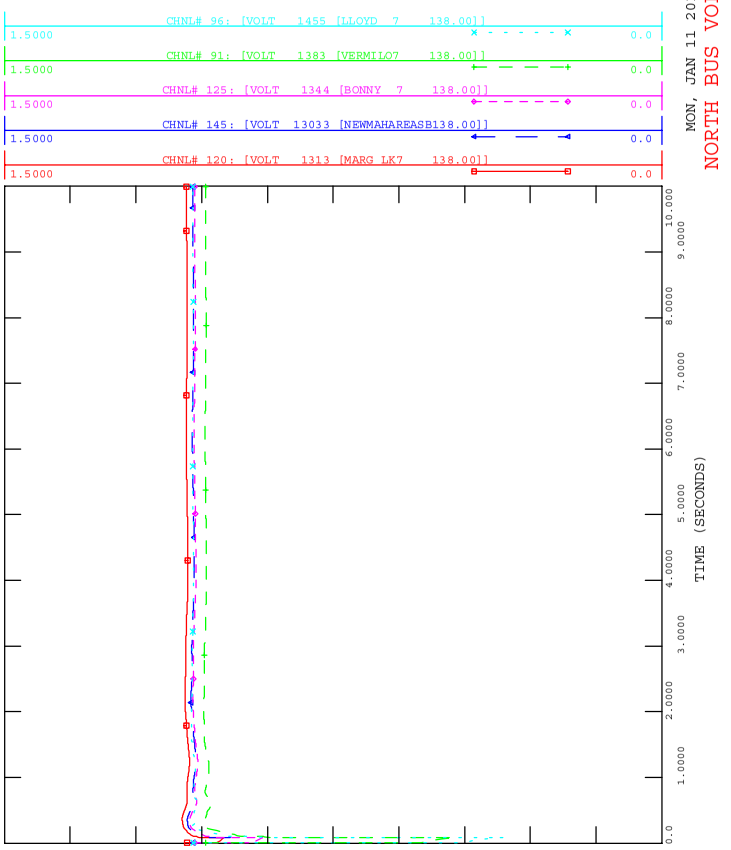


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

NORTH BUS VOLTAGES

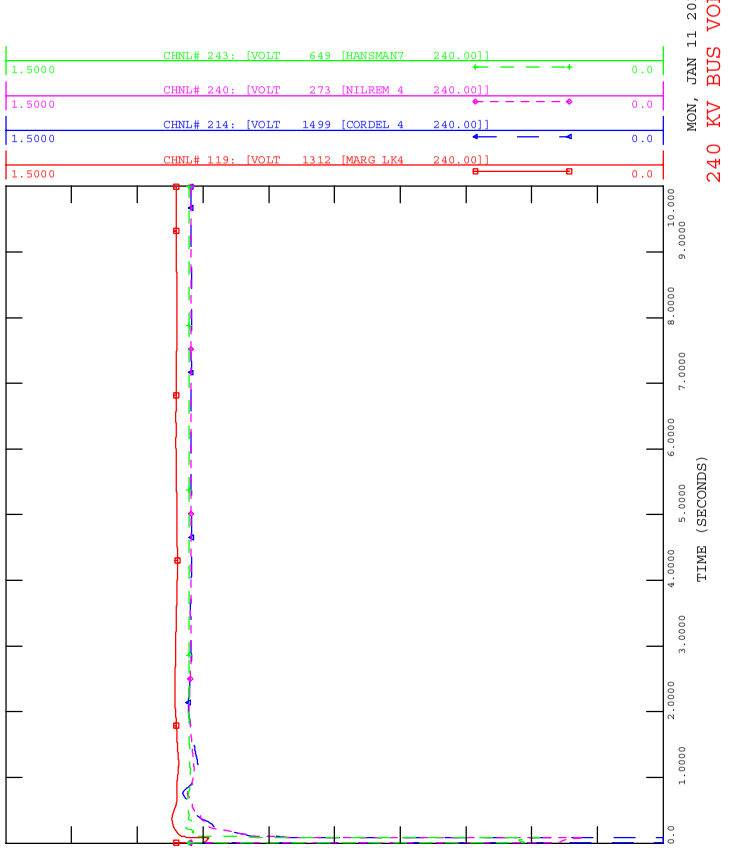


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

240 KV BUS VOLTAGES

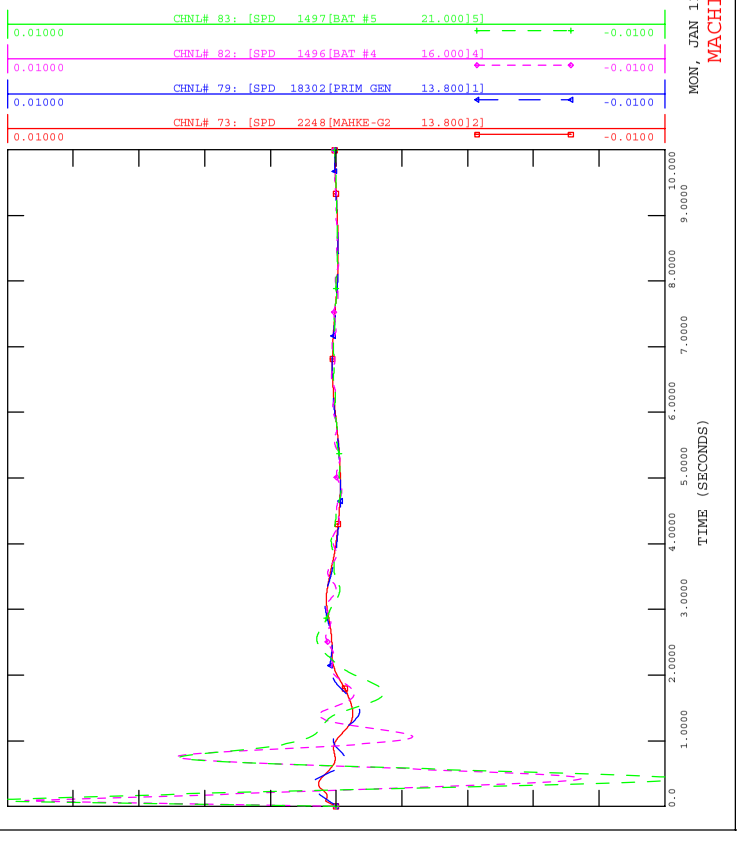


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

MACHINE SPEED

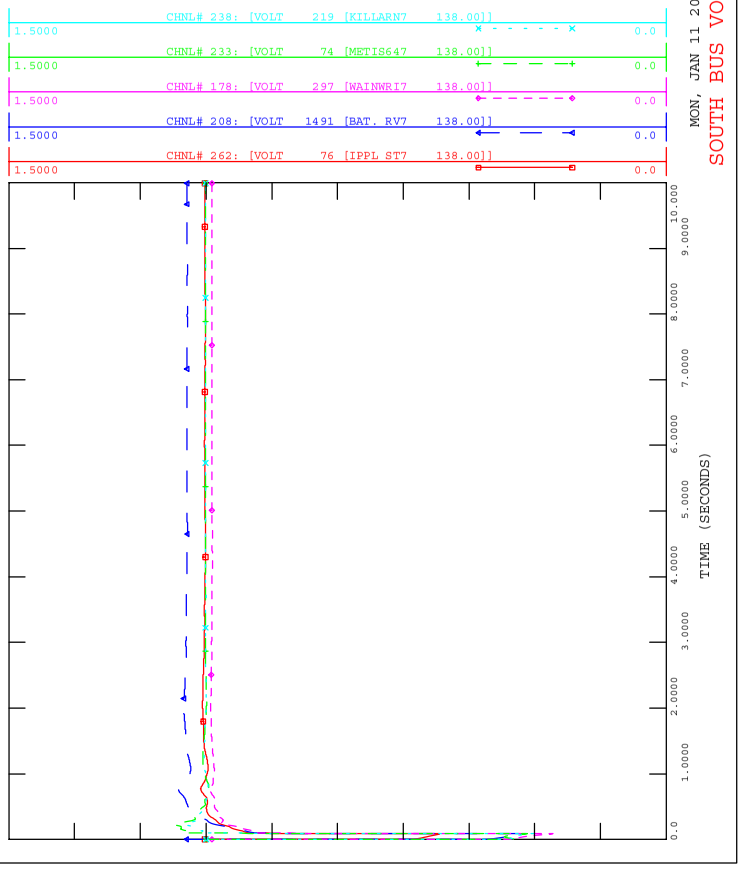


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

SOUTH BUS VOLTAGES



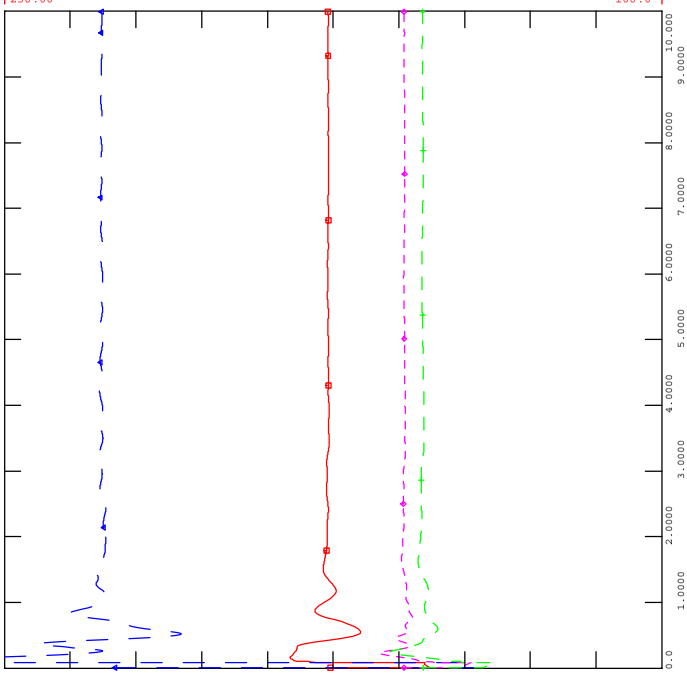
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER] 250.00 -100.0
CHNL# 889: [749AL METISKOW - KILLARNEY LAKE] 250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM] 250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP] 250.00 -100.0



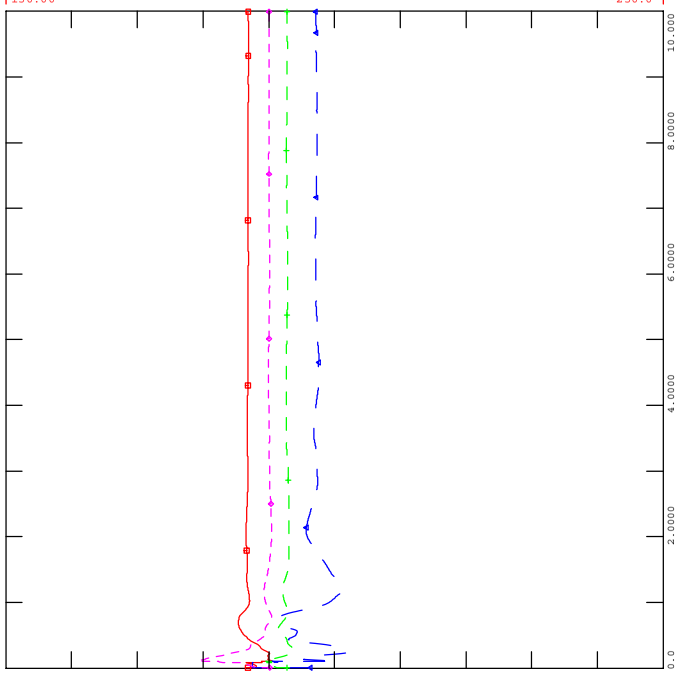
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 890: [749AL METISKOW - KILLARNEY LAKE] 150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0



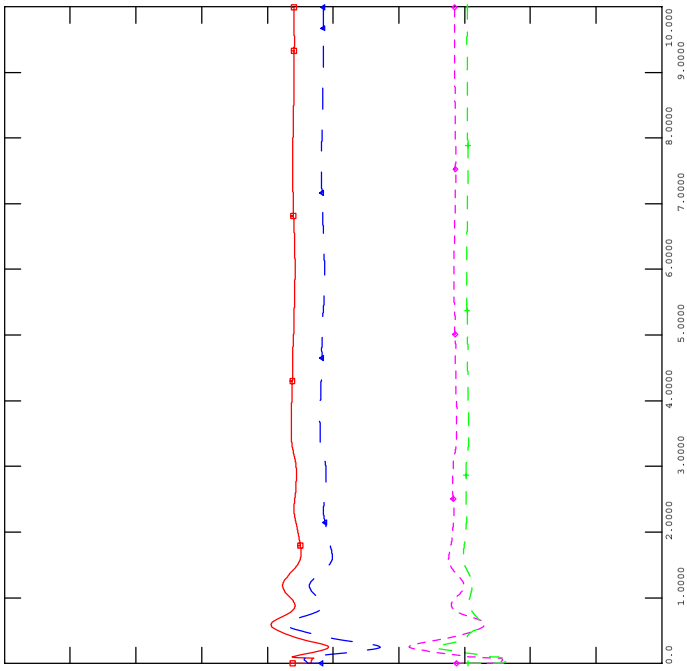
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0



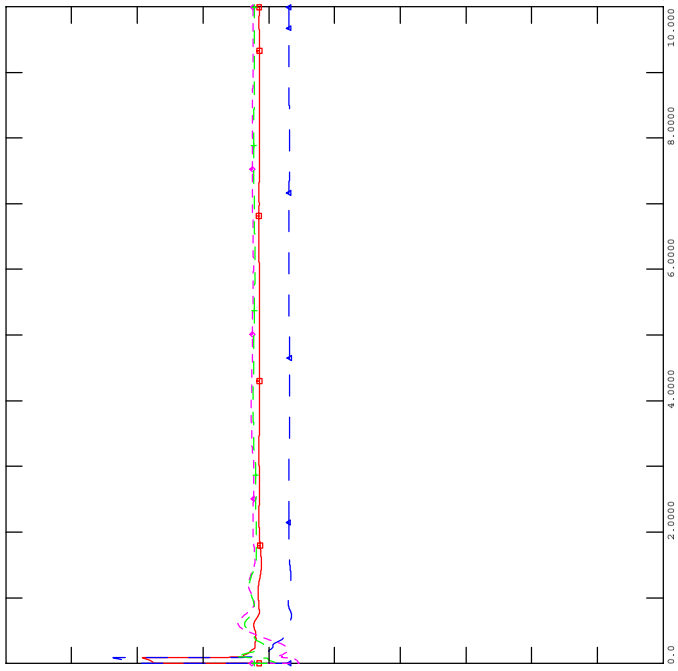
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE] 150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0

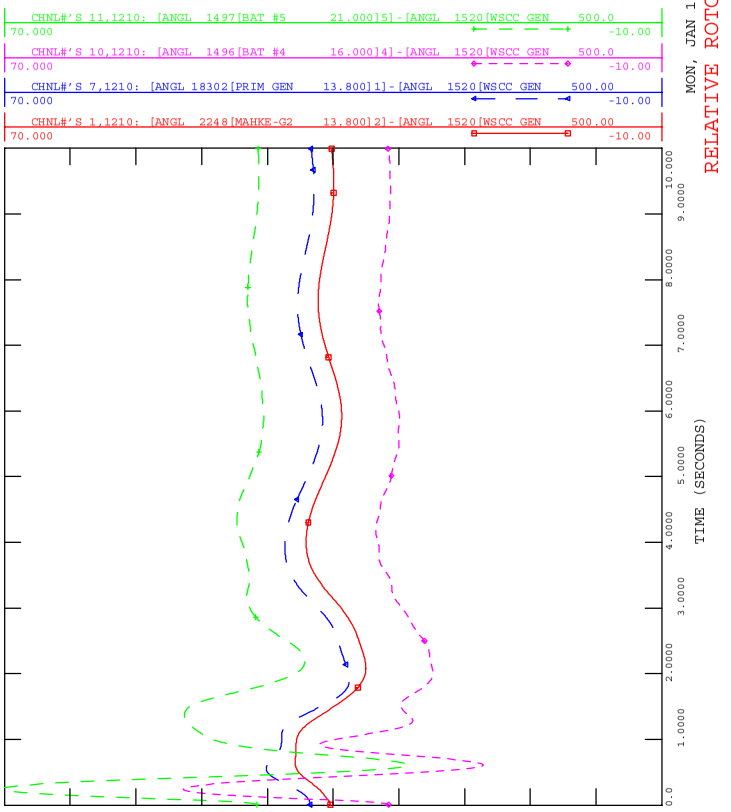


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

RELATIVE ROTOR ANGLES

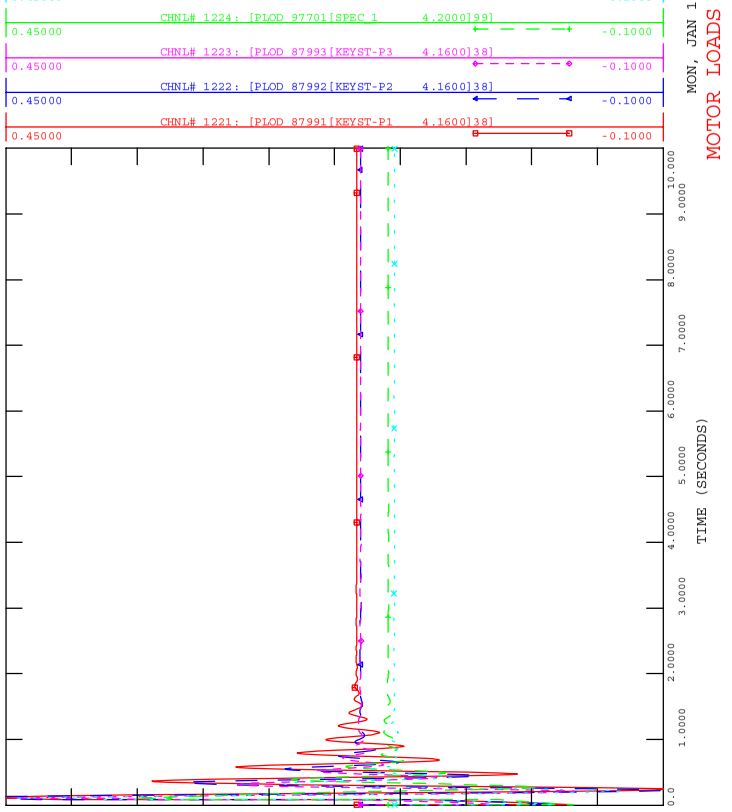


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

MOTOR LOADS GROUP II

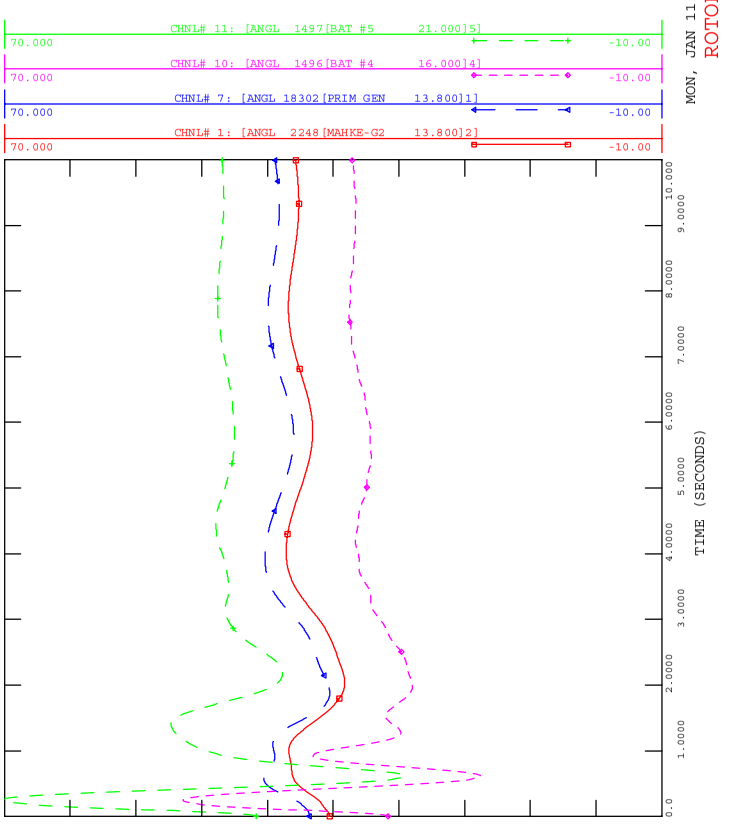


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

ROTOR ANGLES

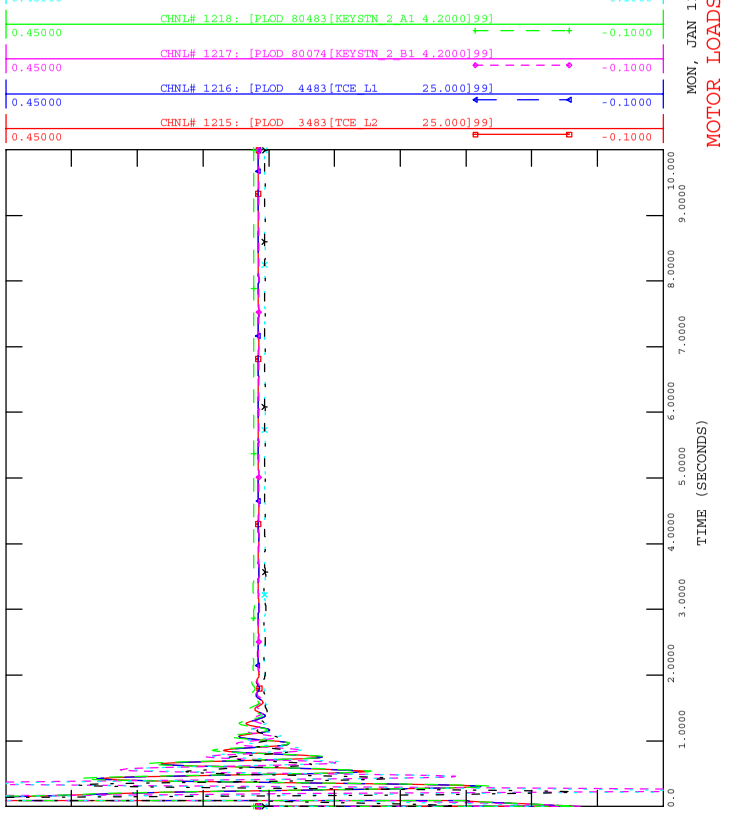


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: B11fault.out

MON, JAN 11 2010 16:07

MOTOR LOADS GROUP I



Dynamic Stability Plots

2012 Winter Peak

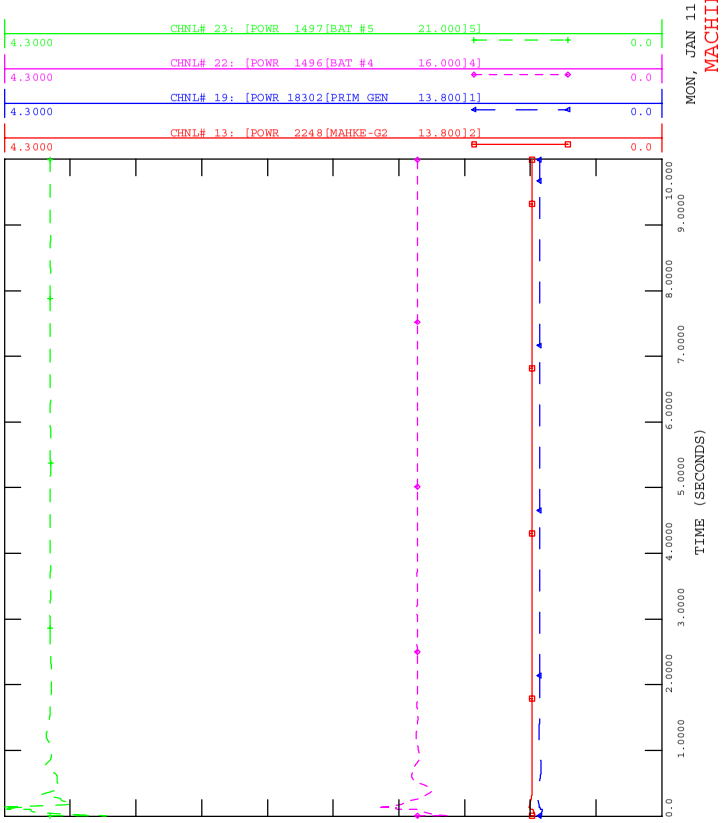
Category C Contingencies

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

MACHINE POWER

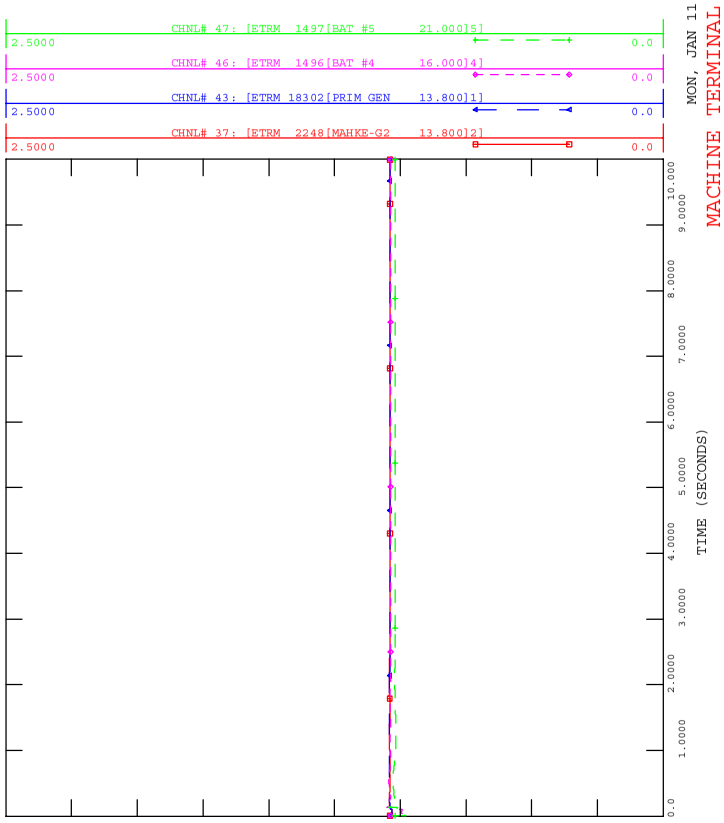


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

MACHINE TERMINAL VOLTAGE

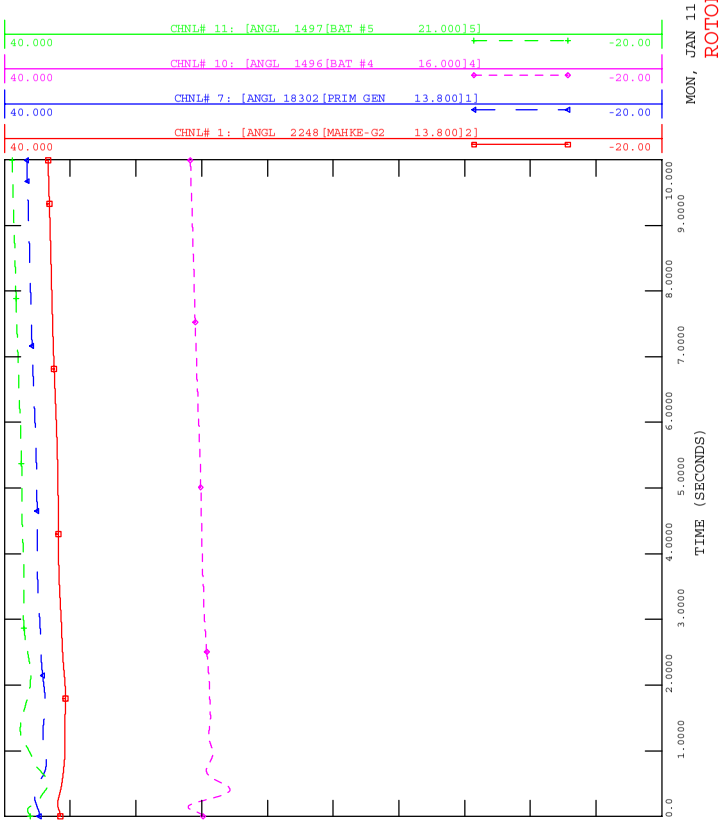


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:15

ROTOR ANGLES

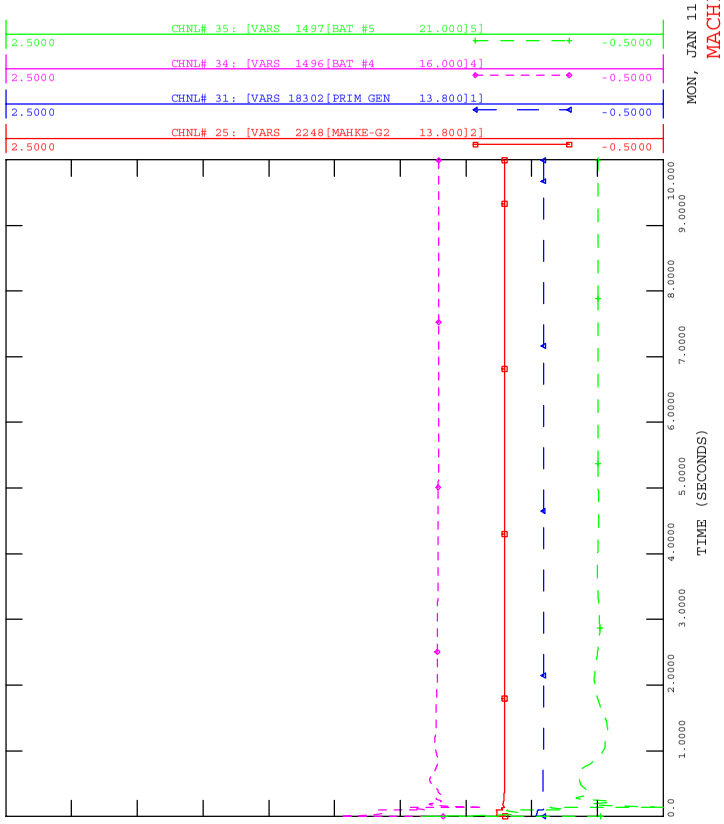


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

MACHINE VARS

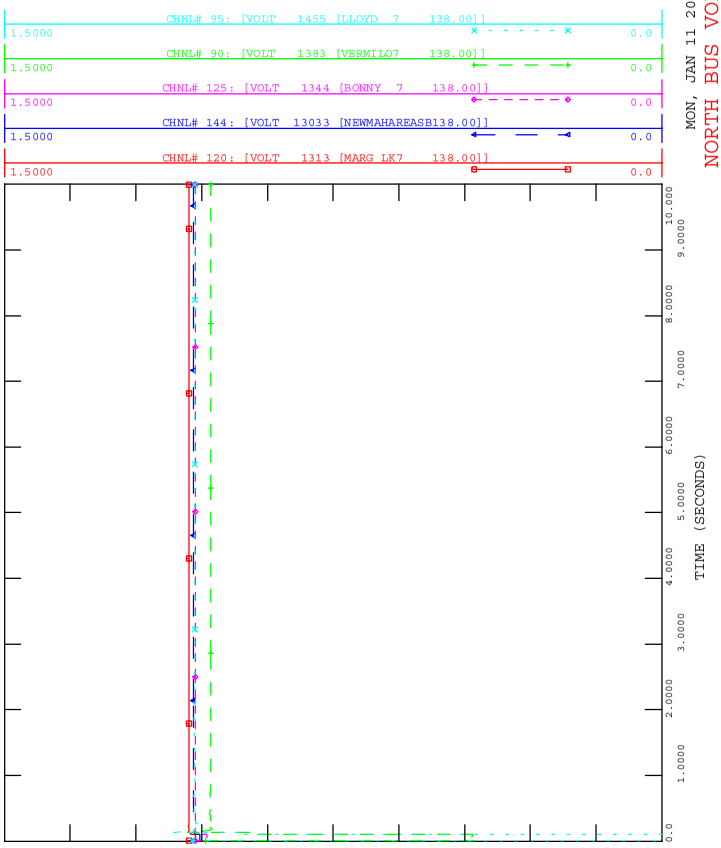


CENTRAL AREA STUDY
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FILE: C3-1fault.out

MON, JAN 11 2010 8:15

NORTH BUS VOLTAGES

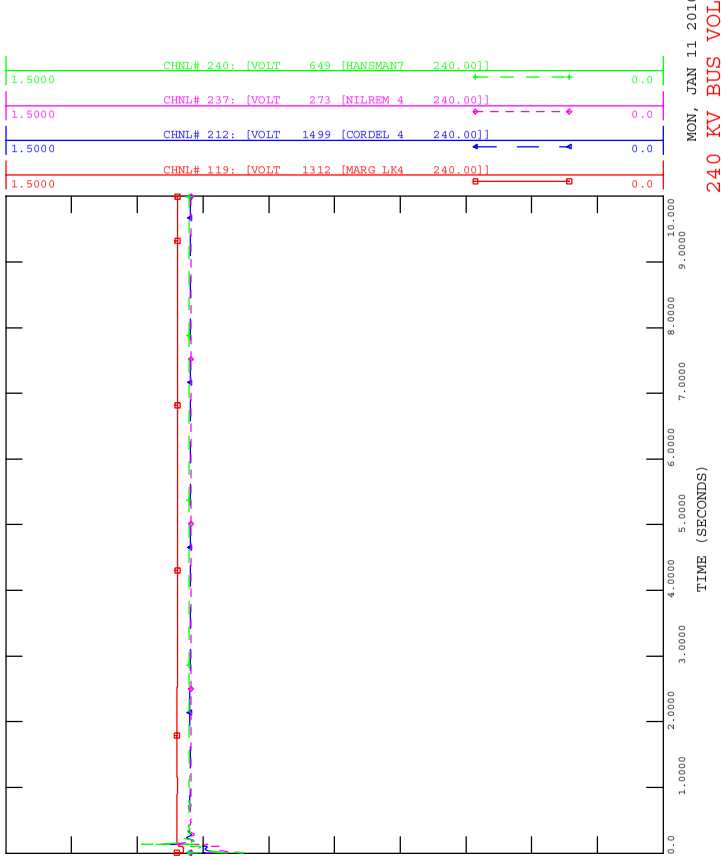


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:15

240 KV BUS VOLTAGES

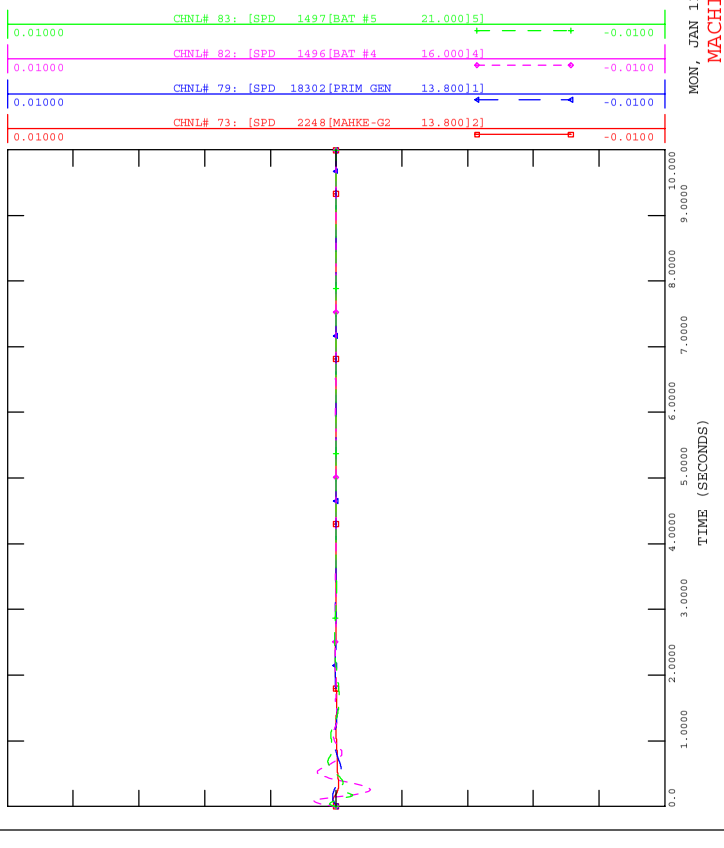


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:15

MACHINE SPEED

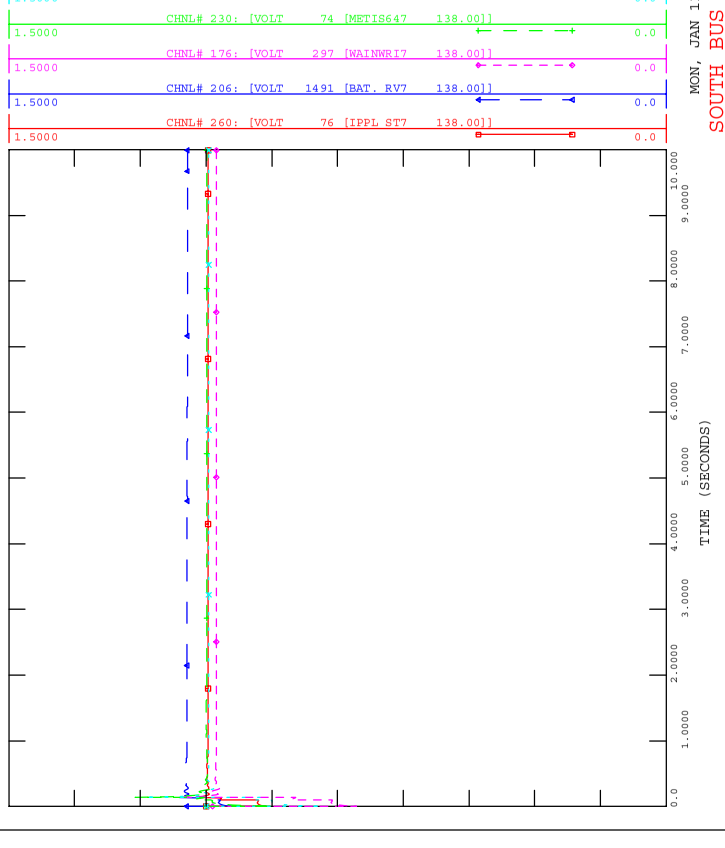


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

SOUTH BUS VOLTAGES

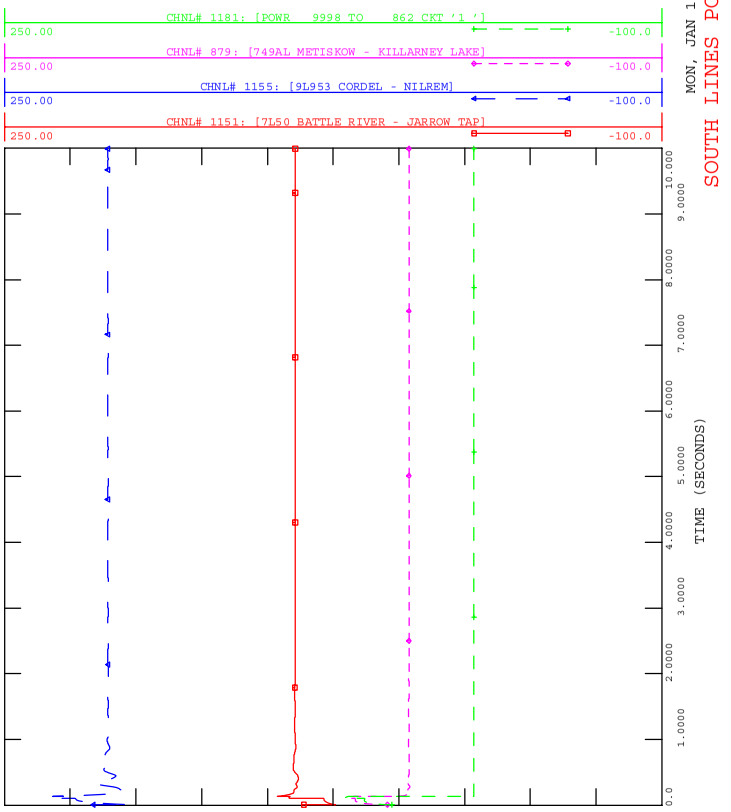


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

SOUTH LINES POWER FLOW

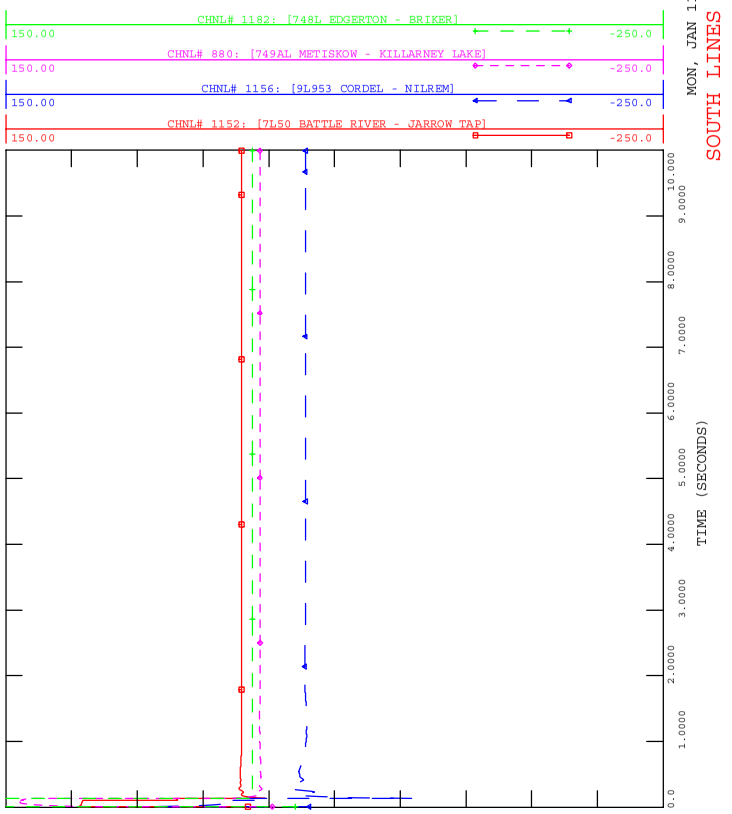


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

SOUTH LINES VAR FLOW

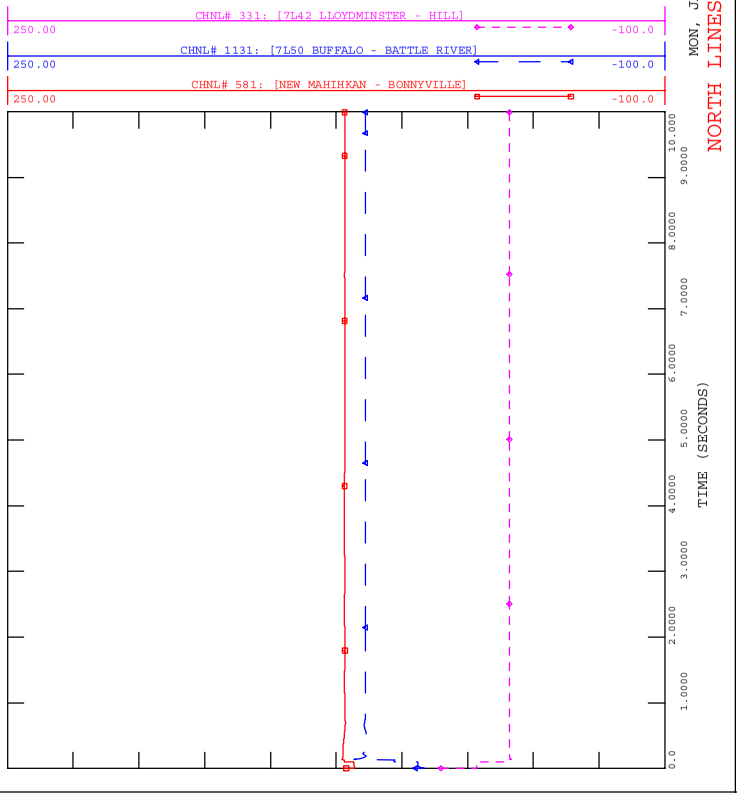


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:15

NORTH LINES POWER FLOW

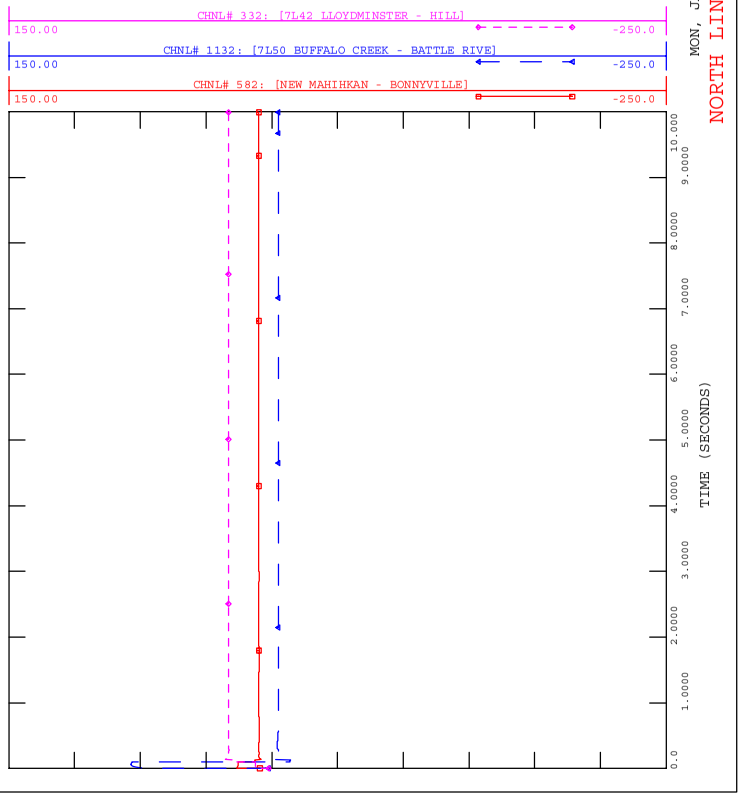


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

NORTH LINES VAR FLOW

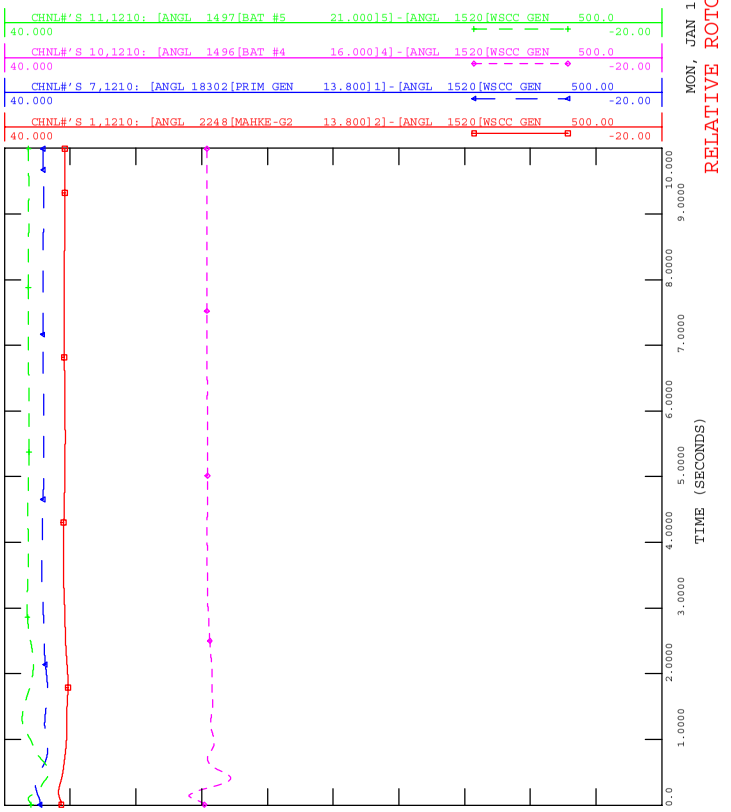


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

RELATIVE ROTOR ANGLES

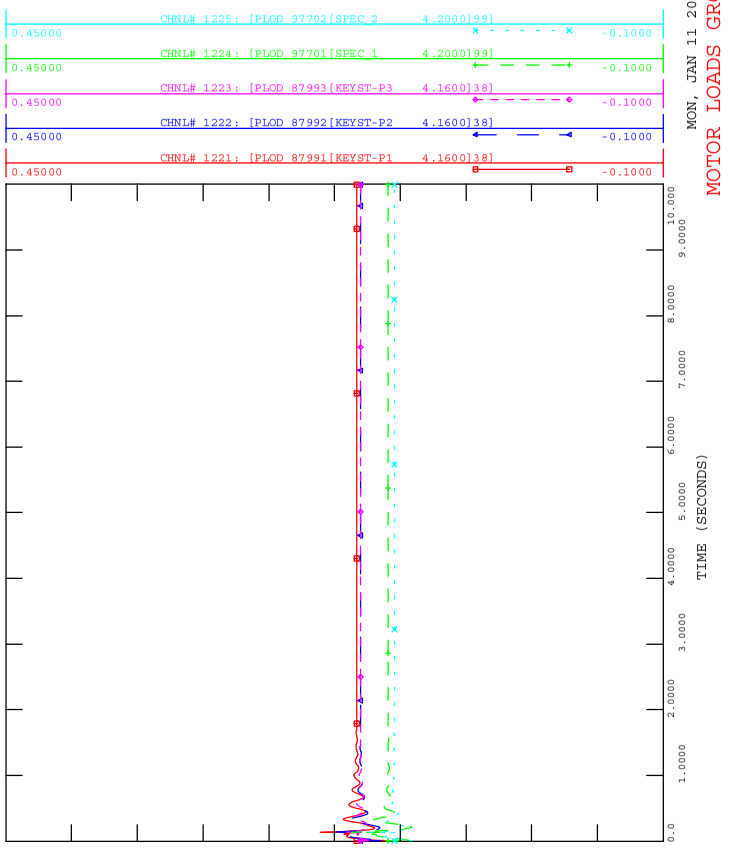


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP II

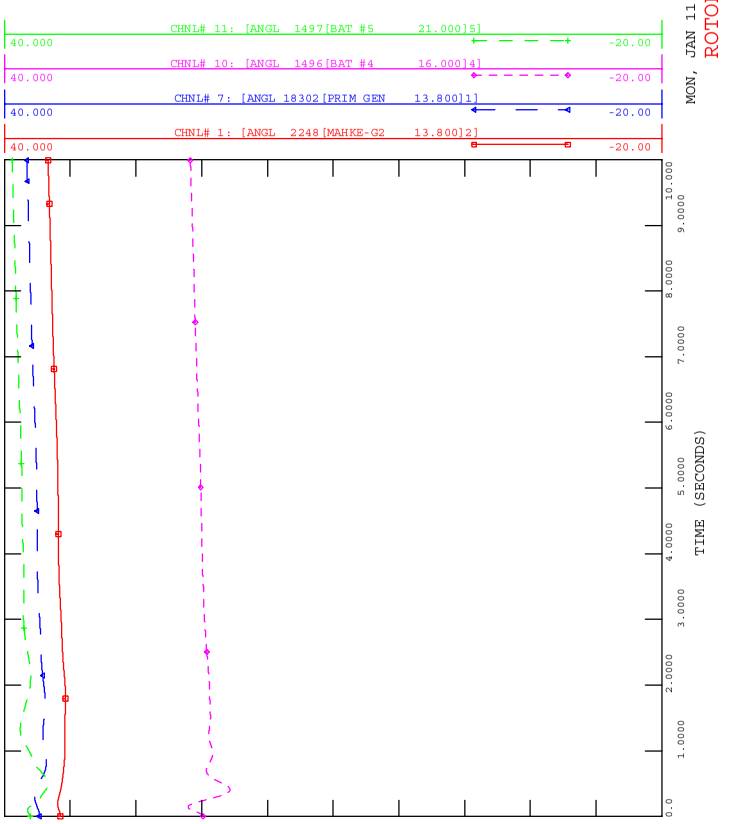


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:15

ROTOR ANGLES

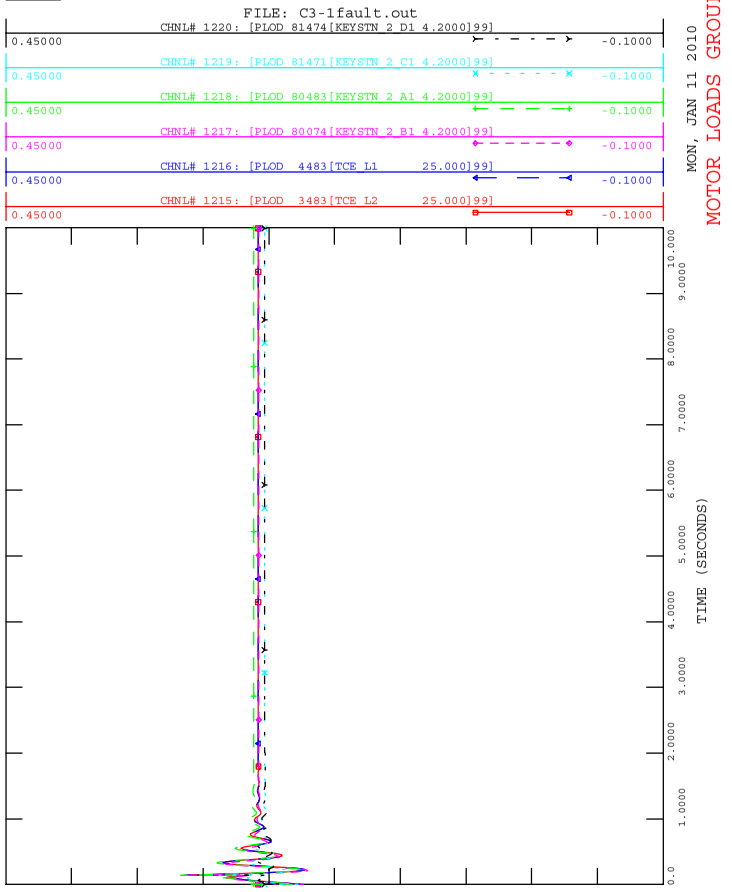


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-1fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP I

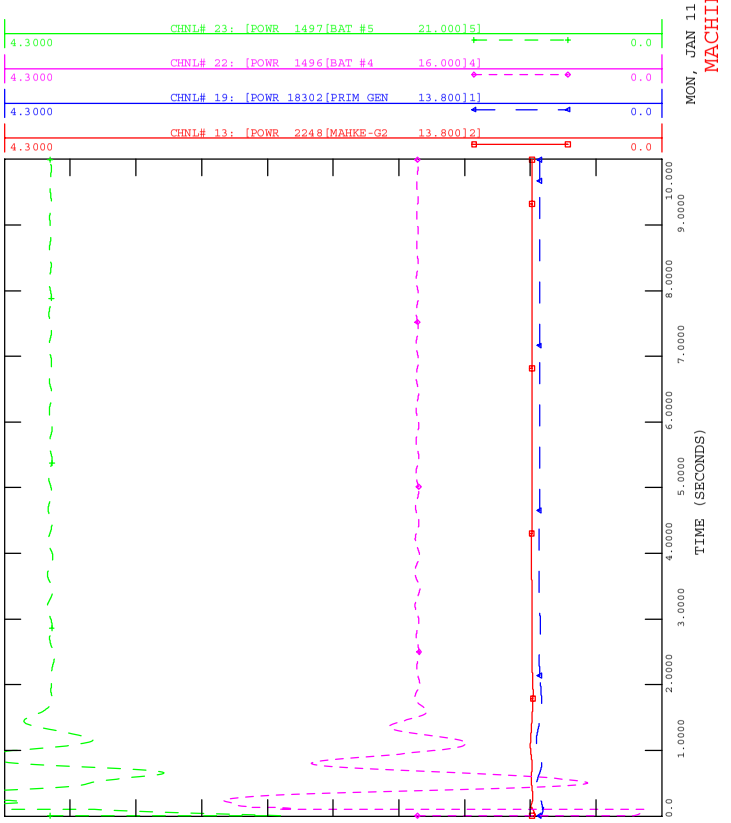


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

MACHINE POWER

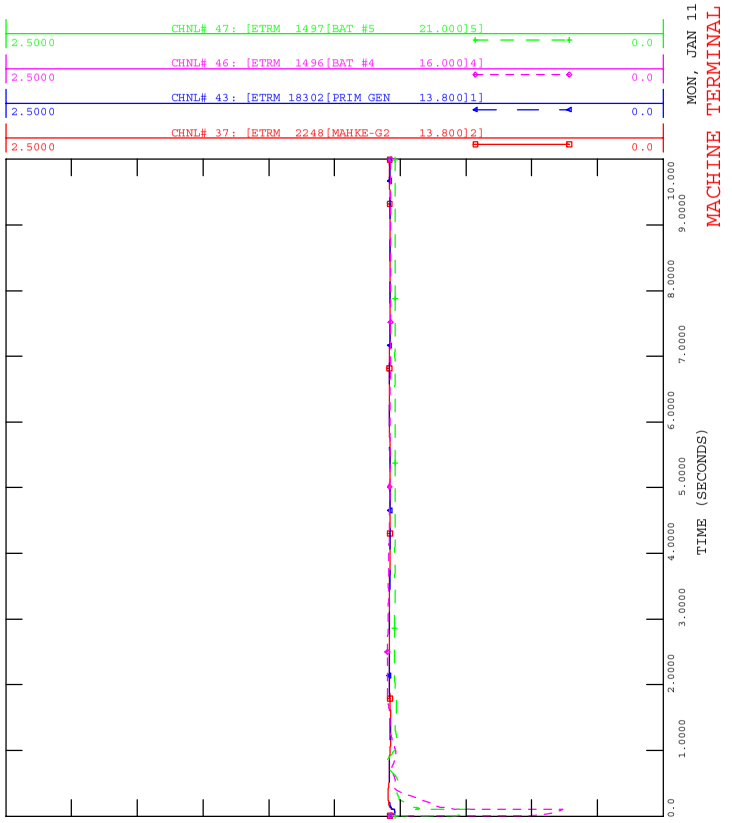


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

MACHINE TERMINAL VOLTAGE

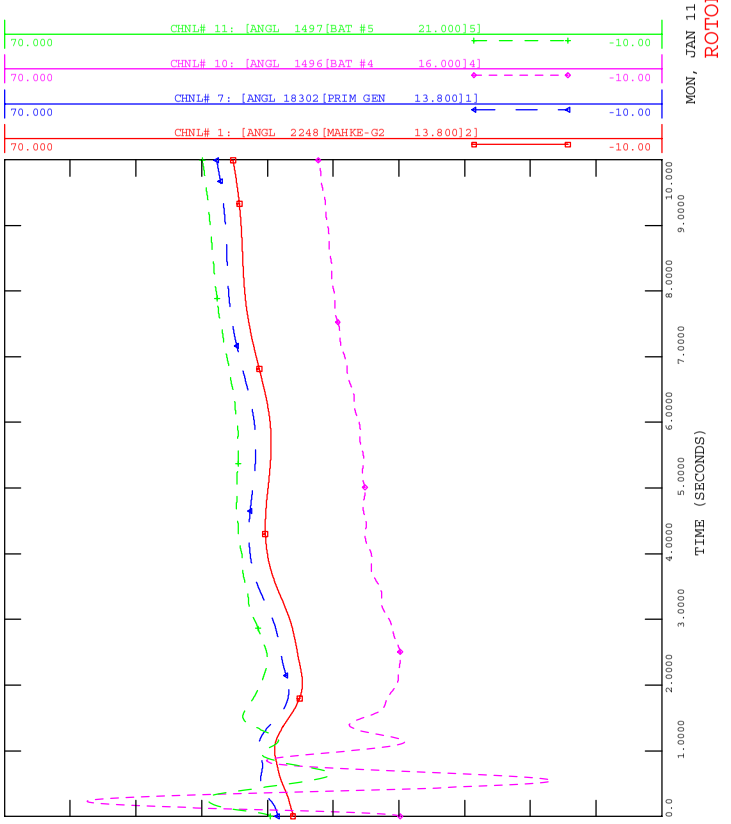


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

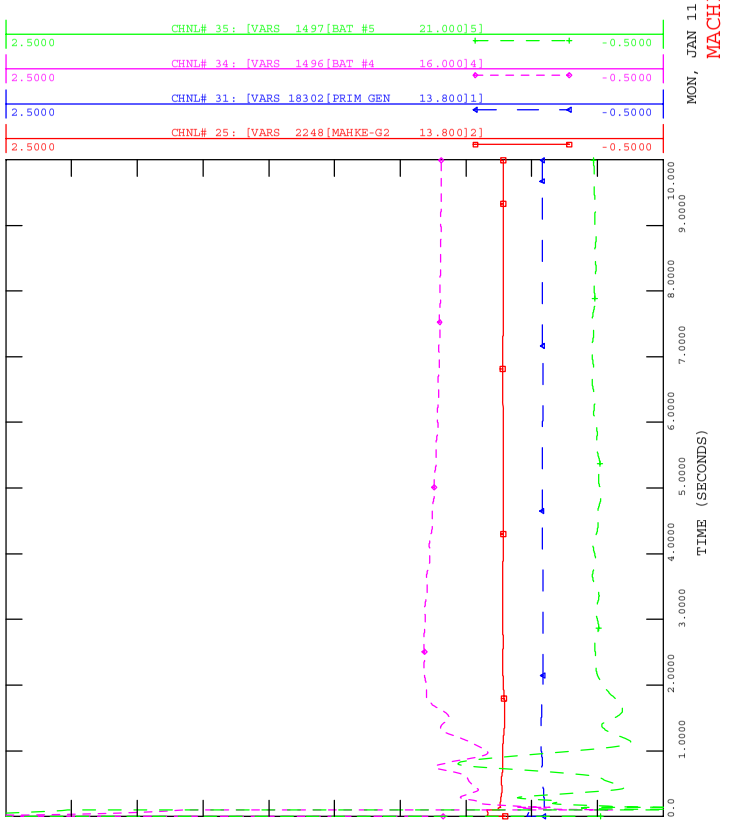


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

MACHINE VARS

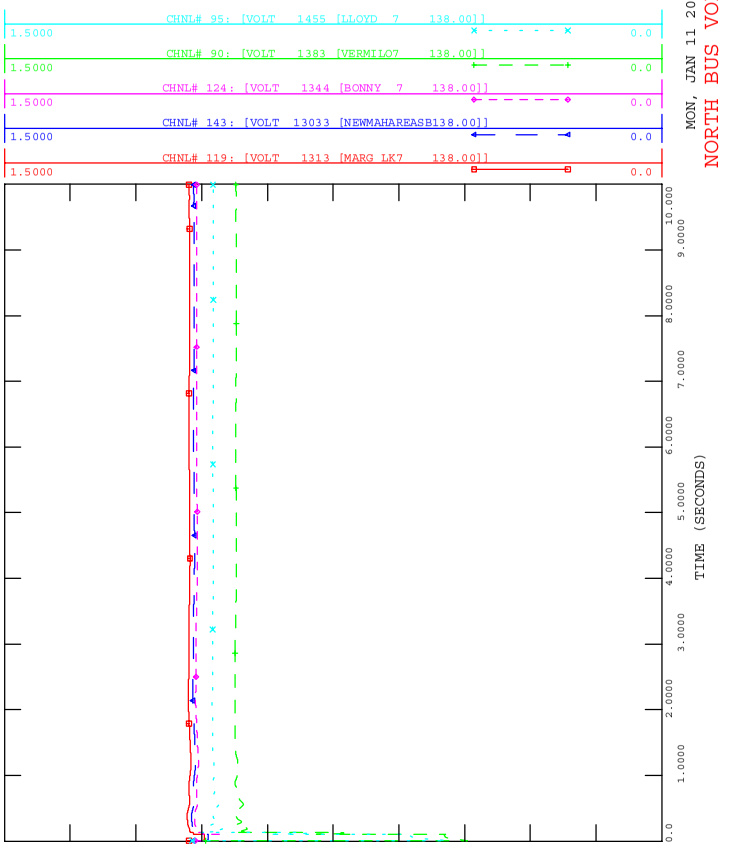


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

NORTH BUS VOLTAGES

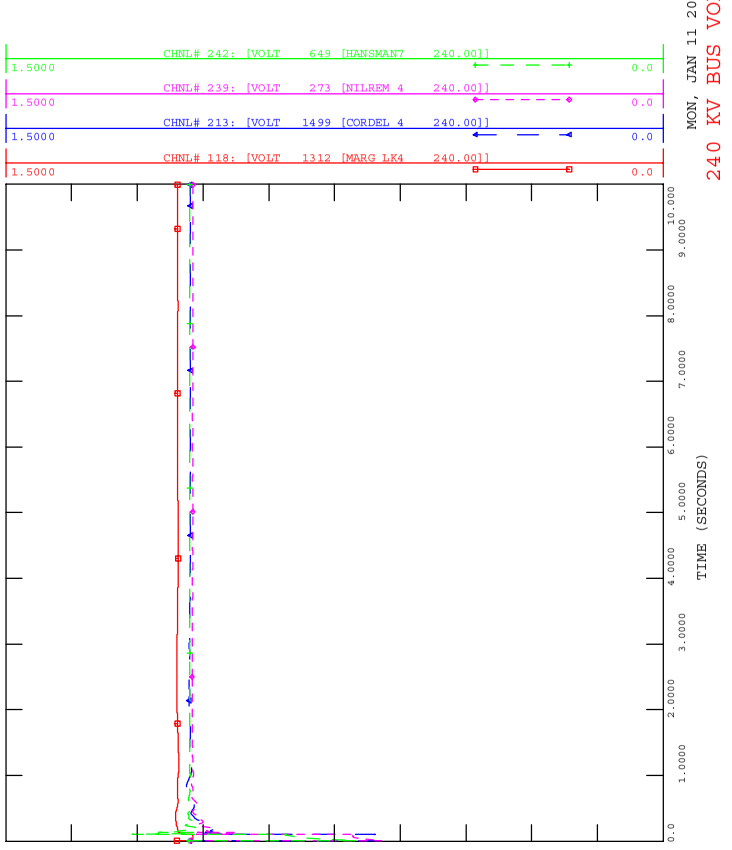


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

240 KV BUS VOLTAGES

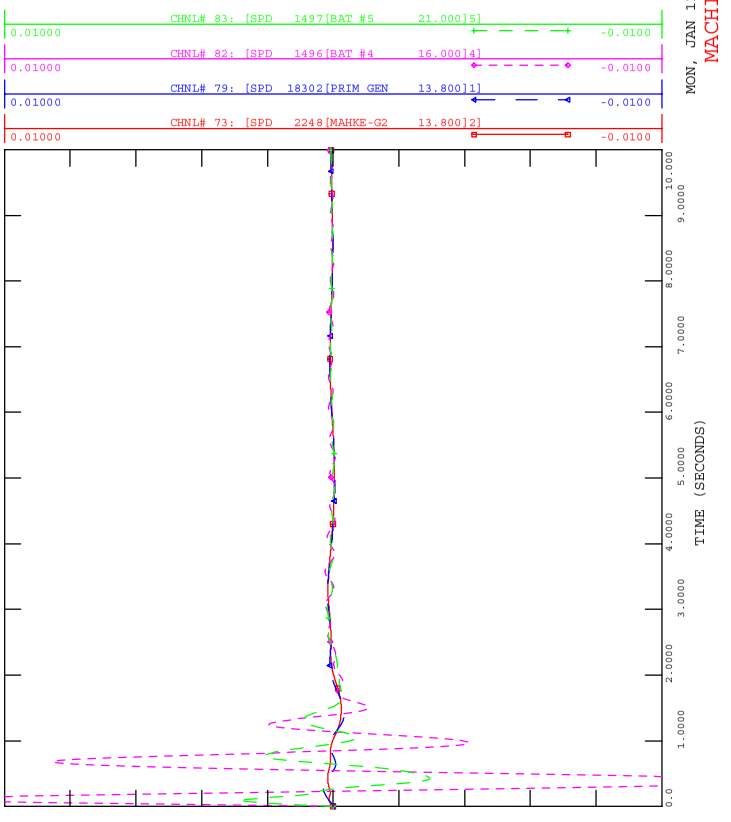


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

MACHINE SPEED

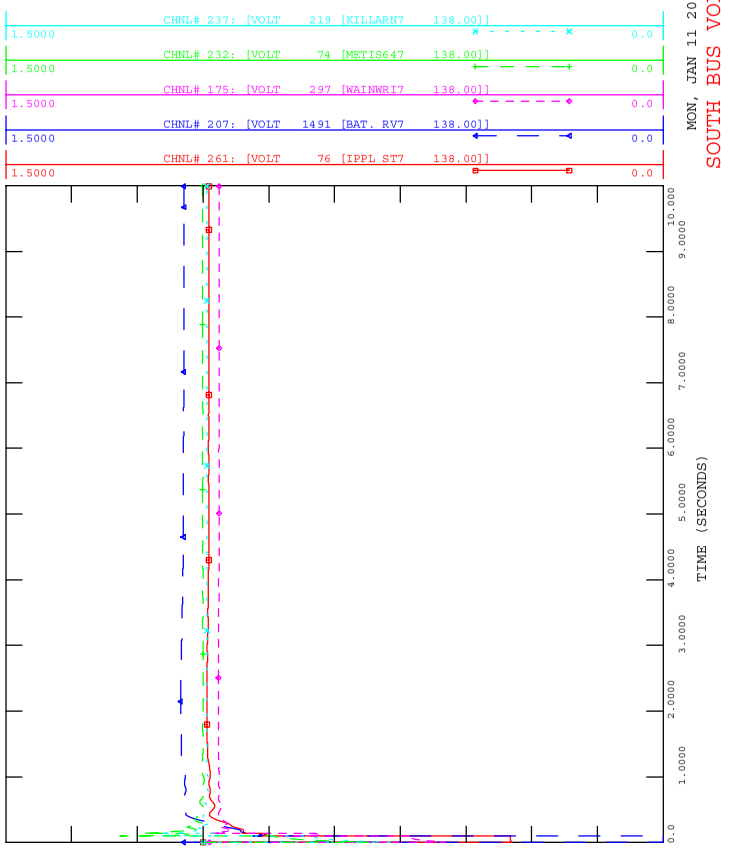


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

SOUTH BUS VOLTAGES

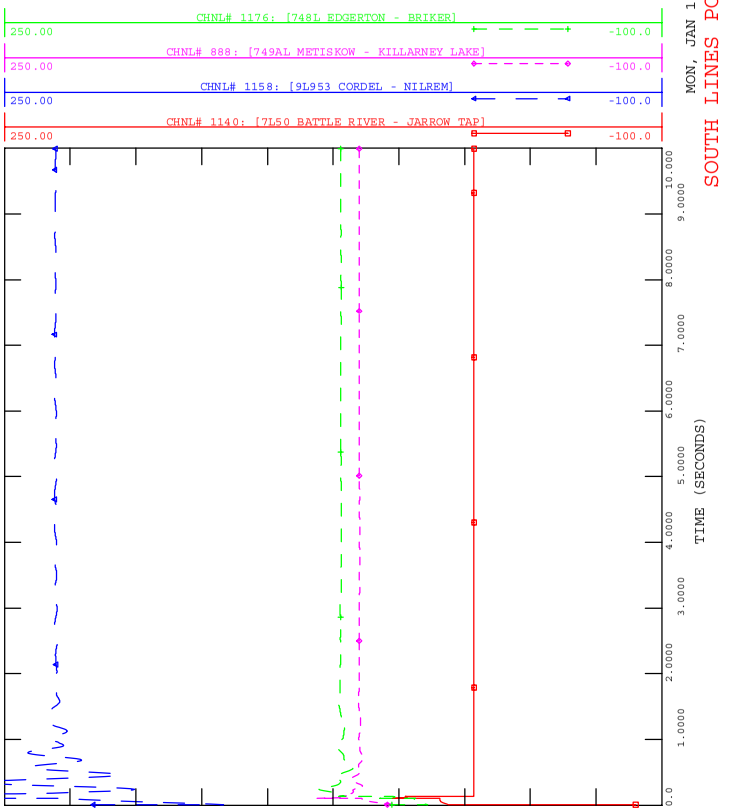


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

SOUTH LINES POWER FLOW

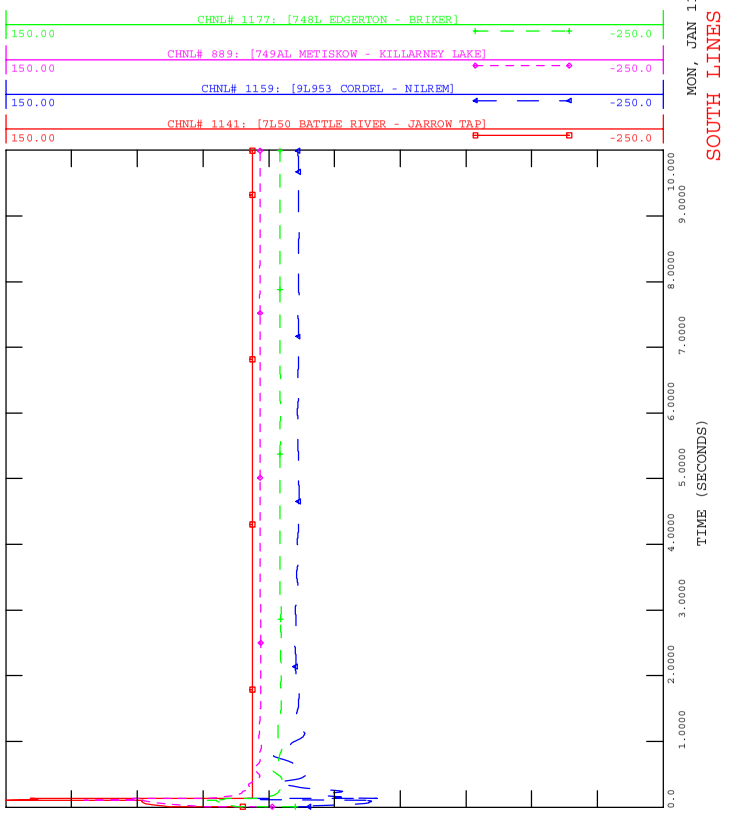


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

SOUTH LINES VAR FLOW

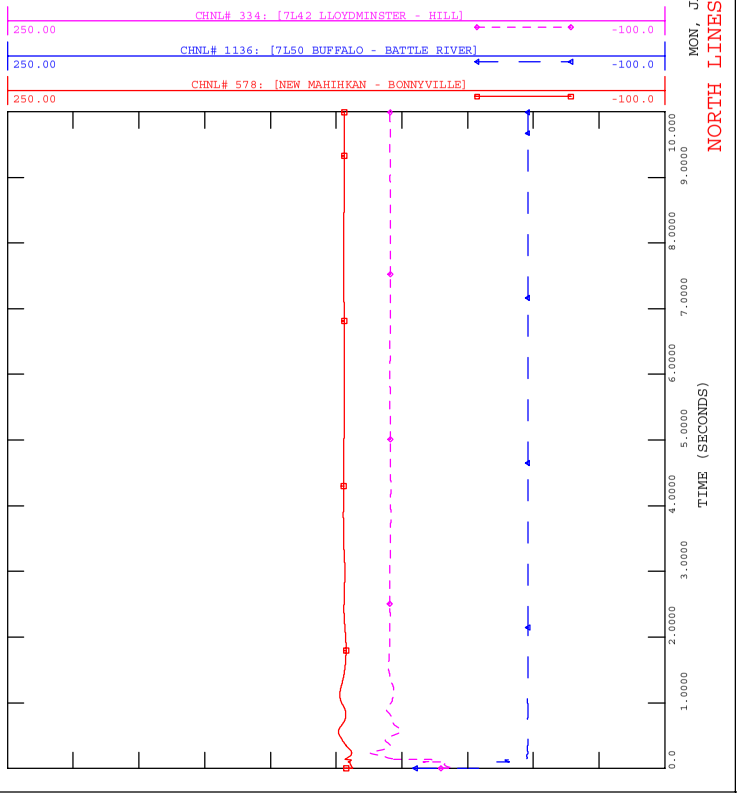


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

NORTH LINES POWER FLOW

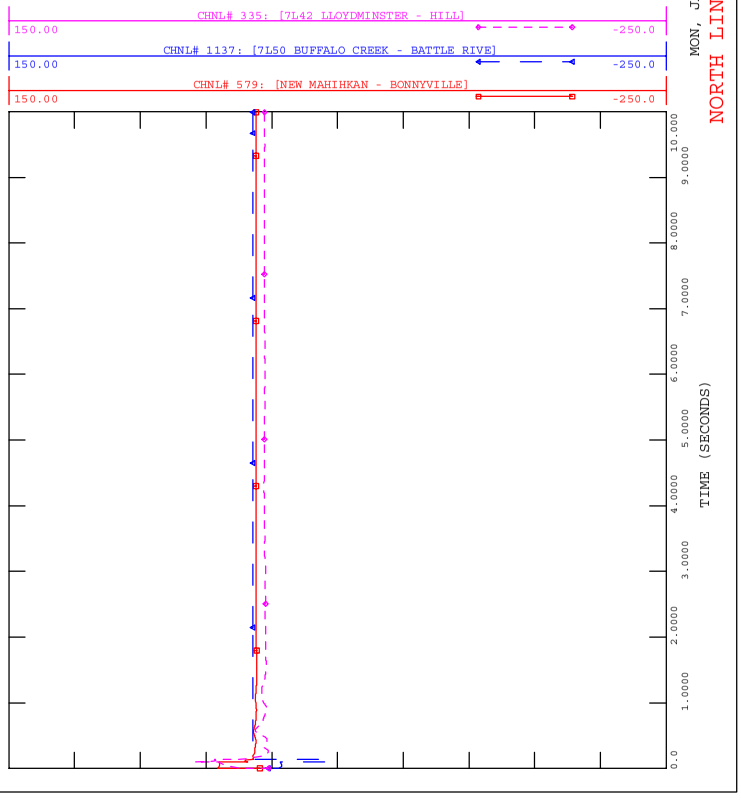


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

NORTH LINES VAR FLOW

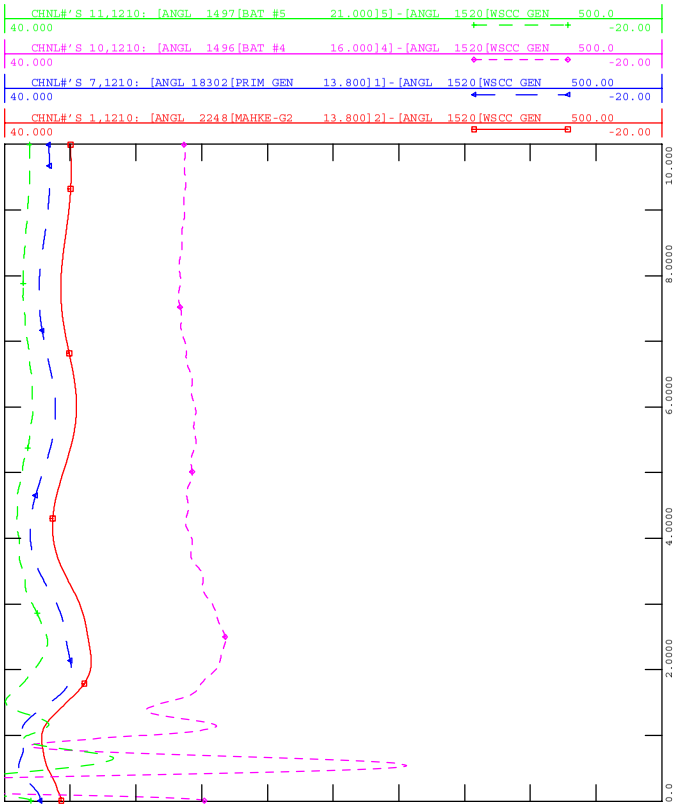


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

RELATIVE ROTOR ANGLES

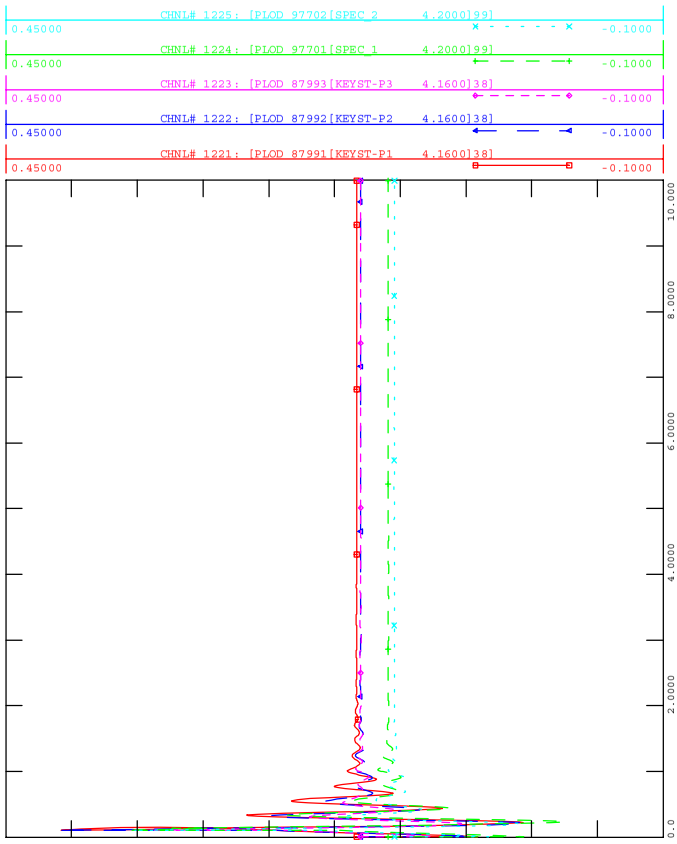


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP II

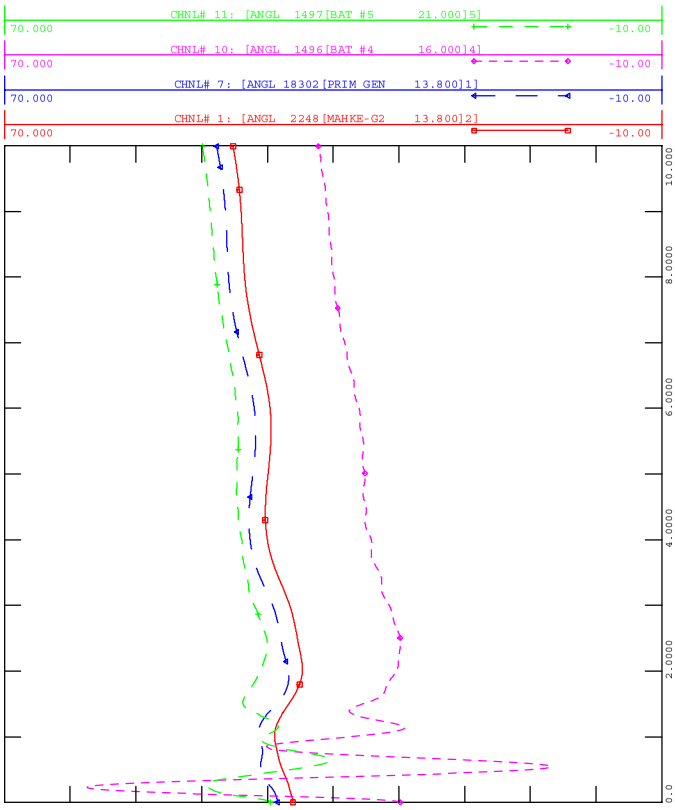


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

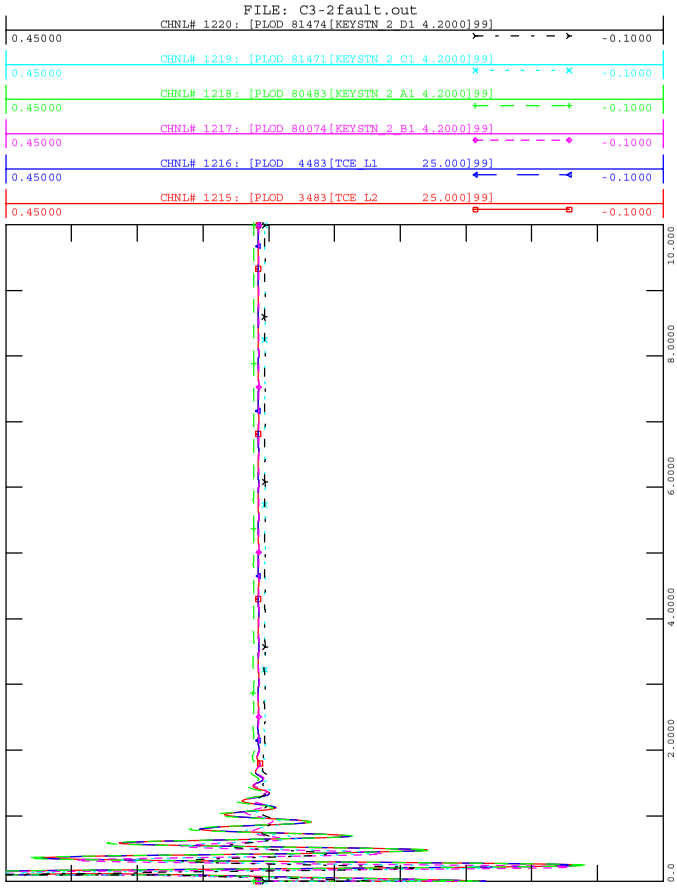


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-2fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP I

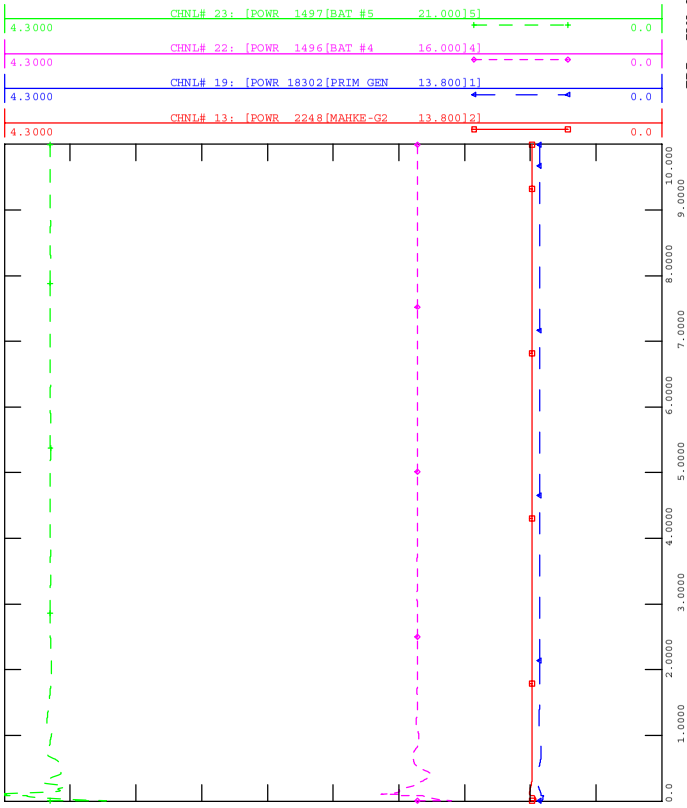


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

MACHINE POWER

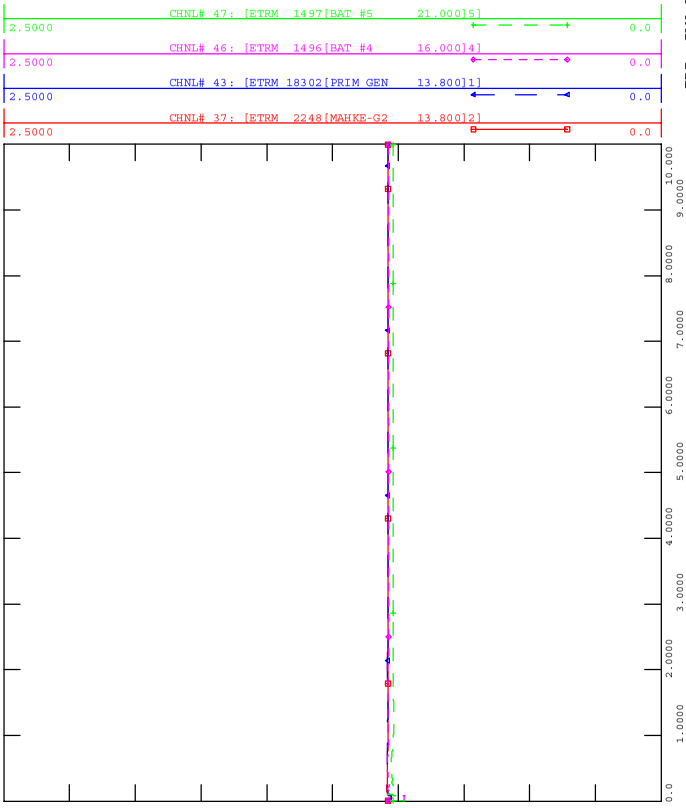


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

MACHINE TERMINAL VOLTAGE

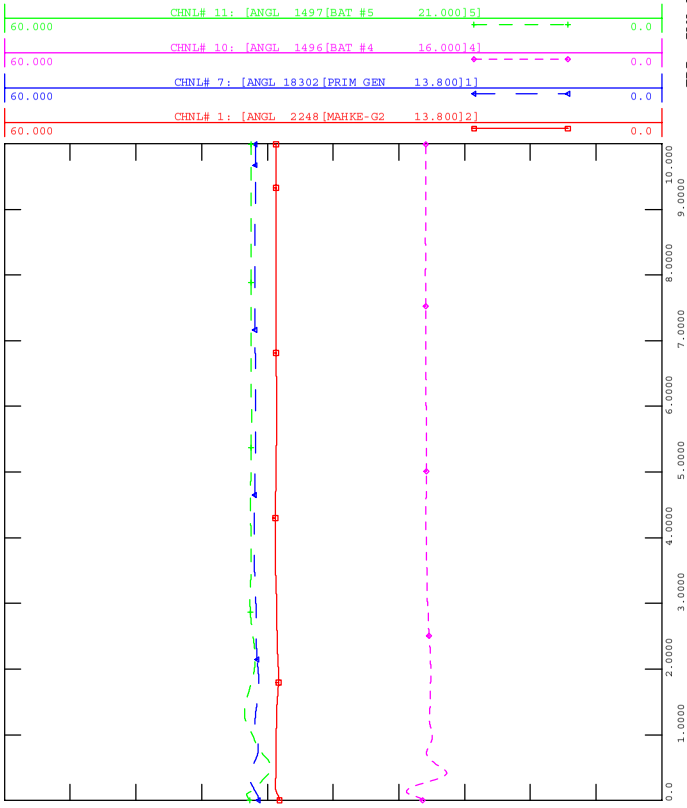


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

ROTOR ANGLES

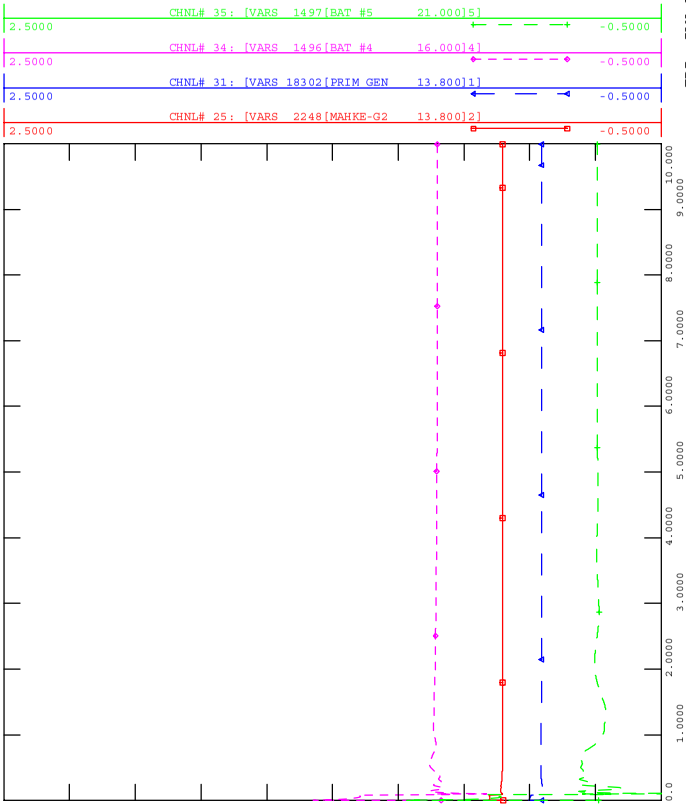


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

MACHINE VARS

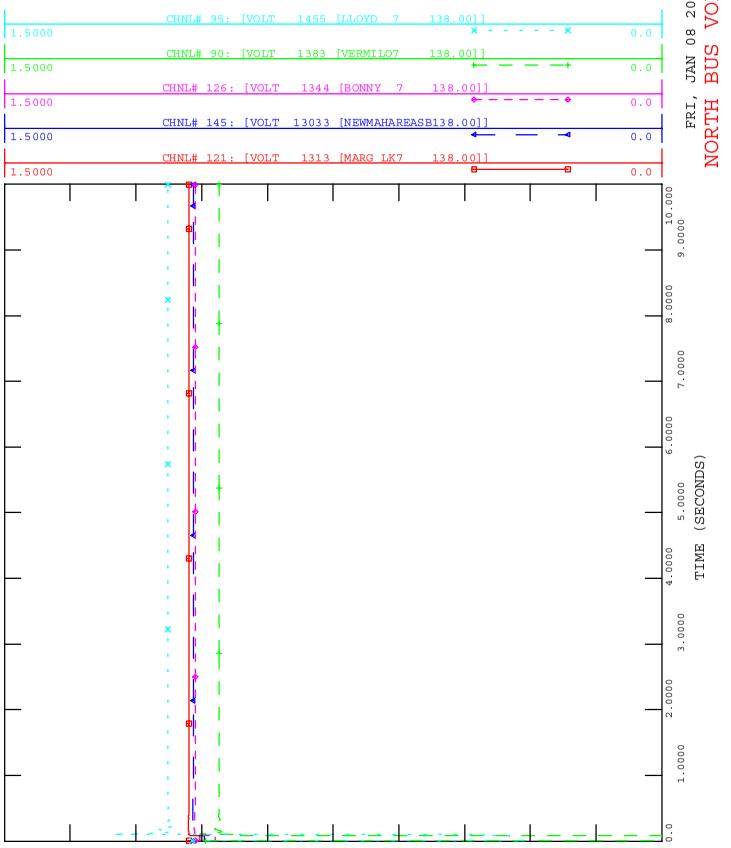


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

NORTH BUS VOLTAGES

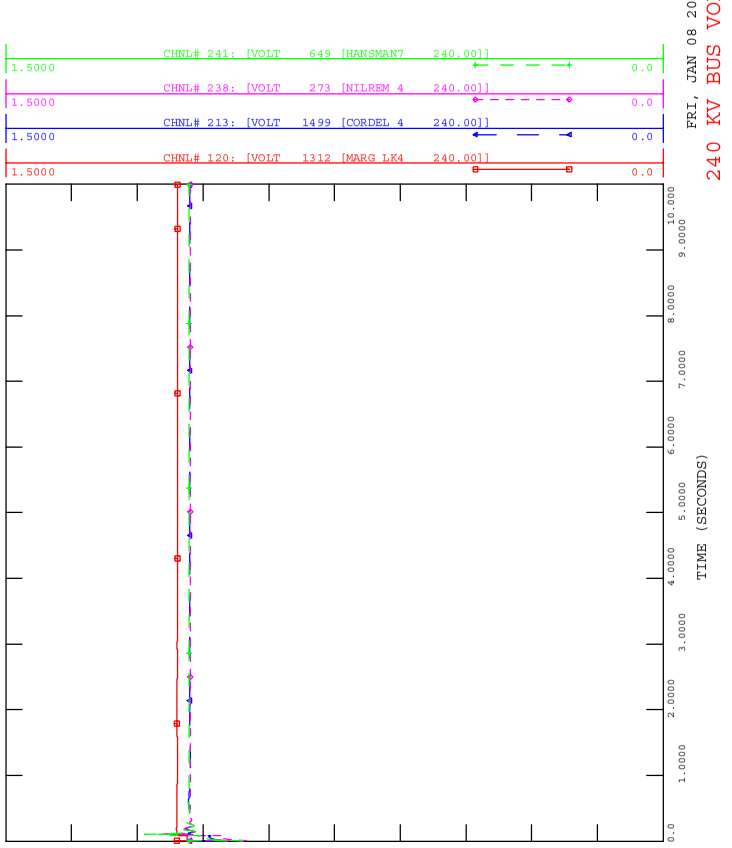


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

240 KV BUS VOLTAGES

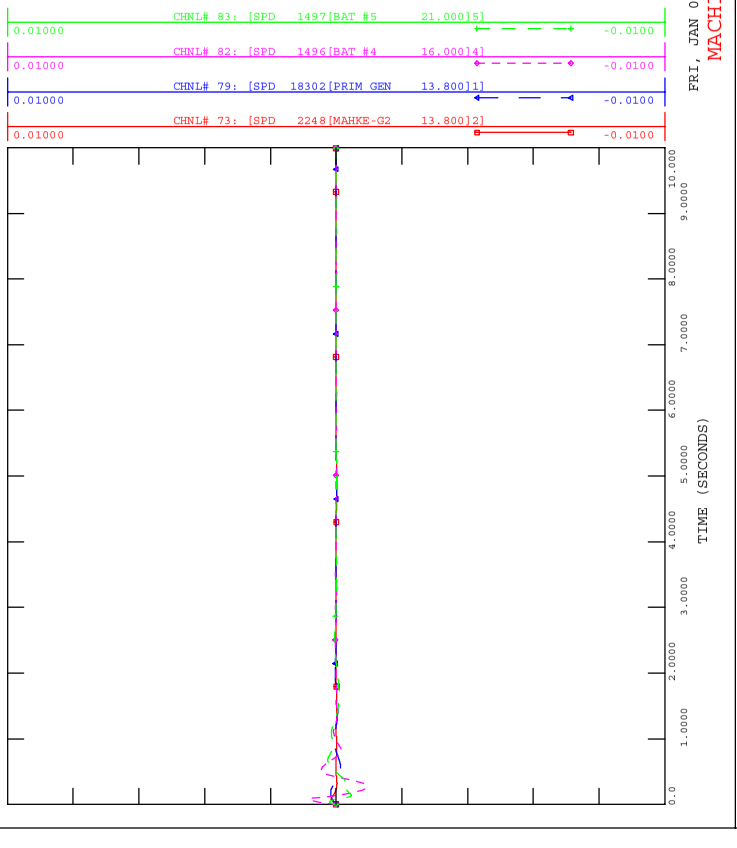


CENTRAL AREA STUDY
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FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

MACHINE SPEED

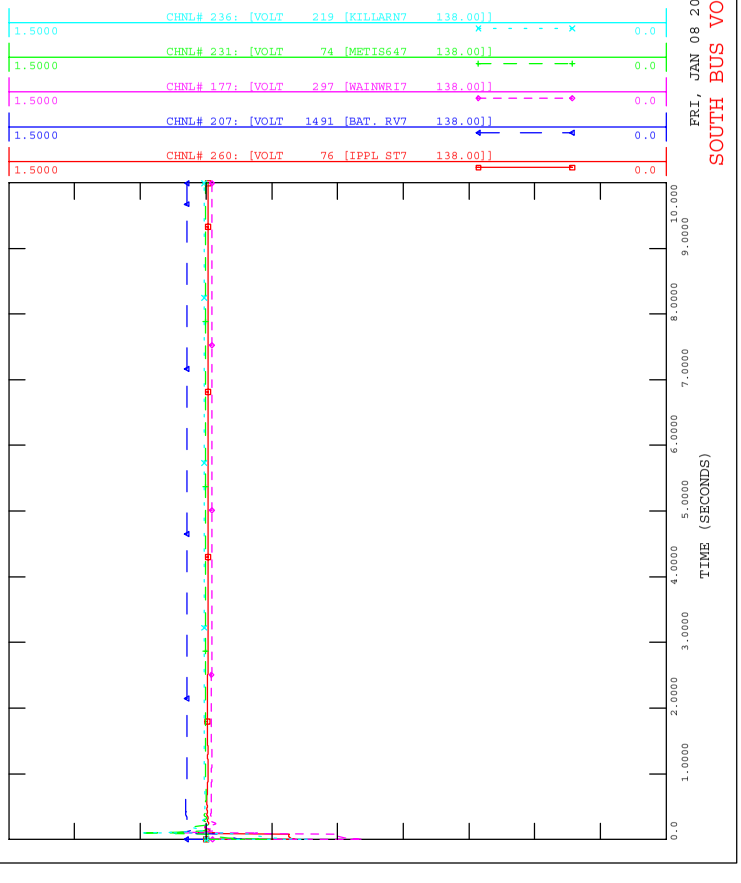


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

SOUTH BUS VOLTAGES



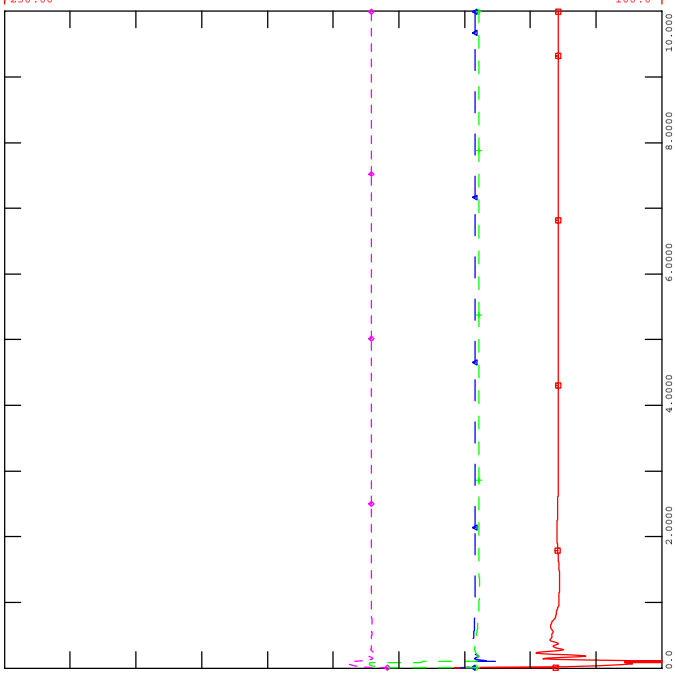
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

SOUTH LINES POWER FLOW

CHNL# 1171: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 883: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1155: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1151: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



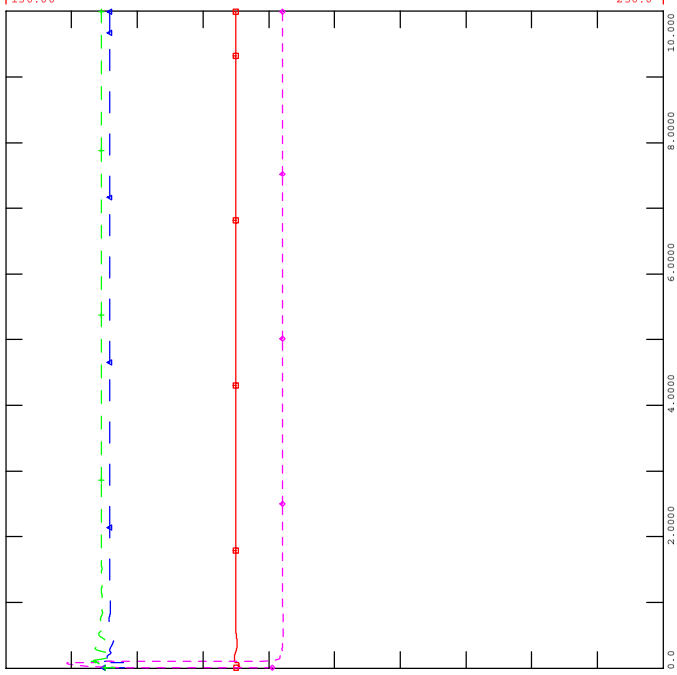
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

SOUTH LINES VAR FLOW

CHNL# 1172: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 884: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1156: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1152: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



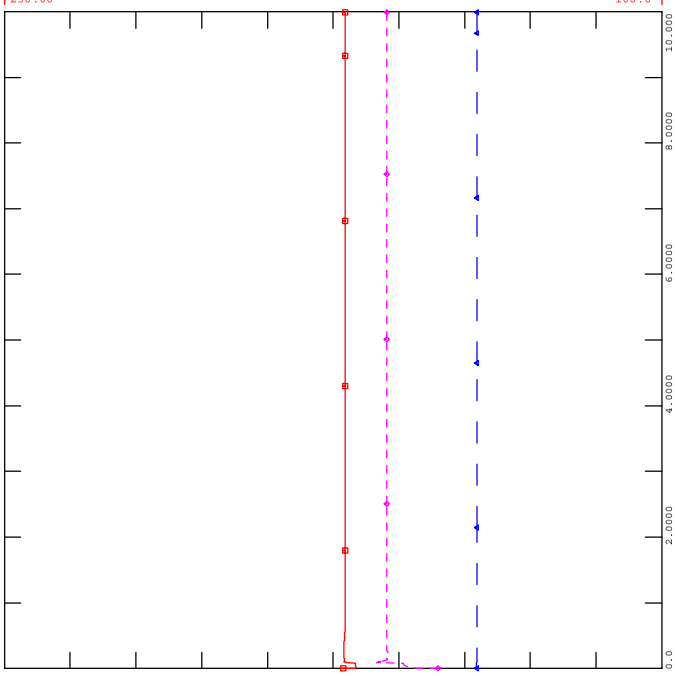
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

NORTH LINES POWER FLOW

CHNL# 333: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1131: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



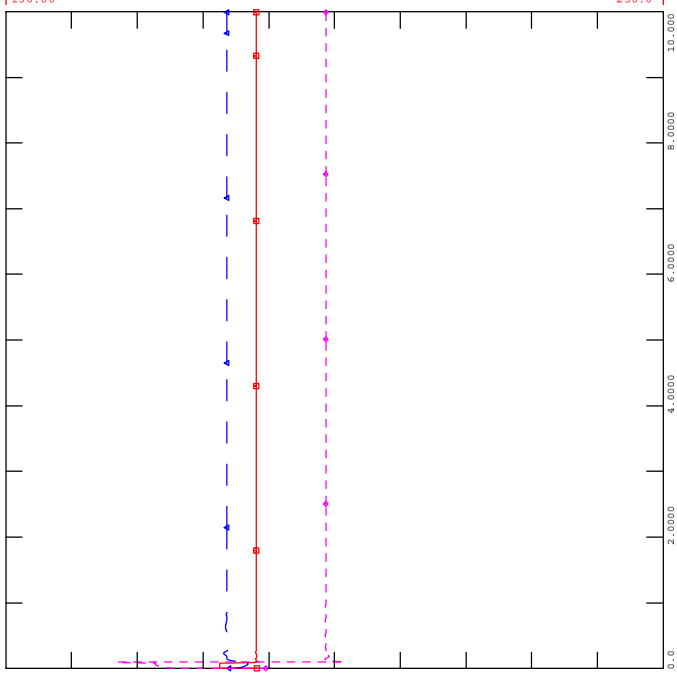
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

NORTH LINES VAR FLOW

CHNL# 334: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1132: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

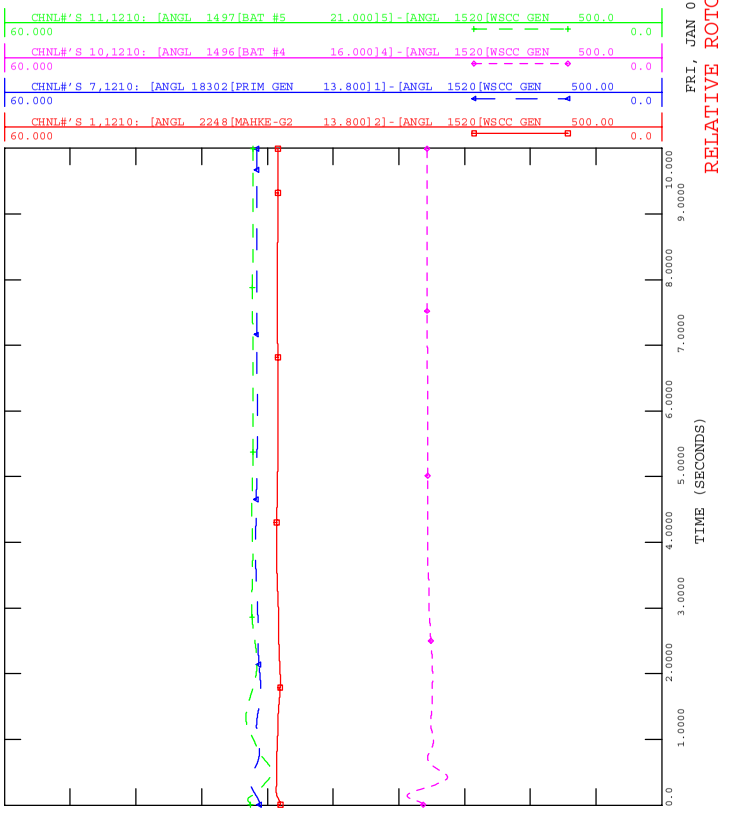


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

RELATIVE ROTOR ANGLES

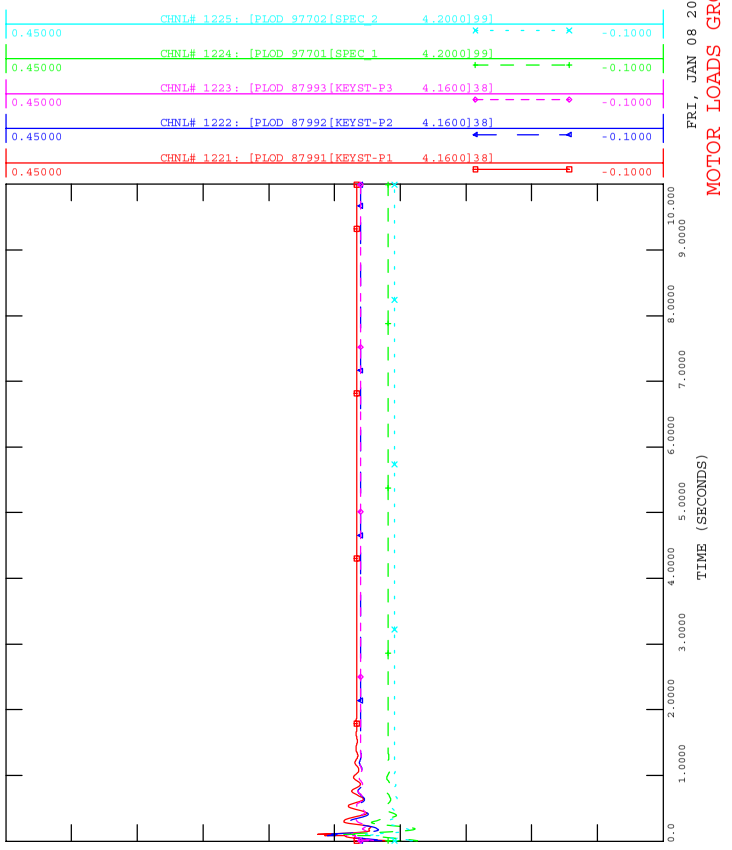


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

MOTOR LOADS GROUP II

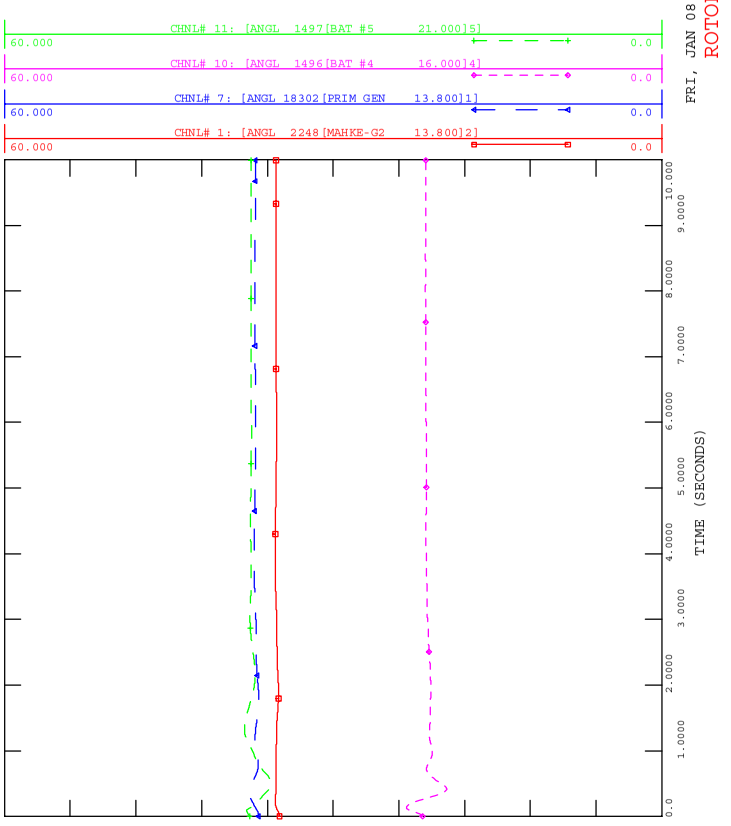


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

ROTOR ANGLES

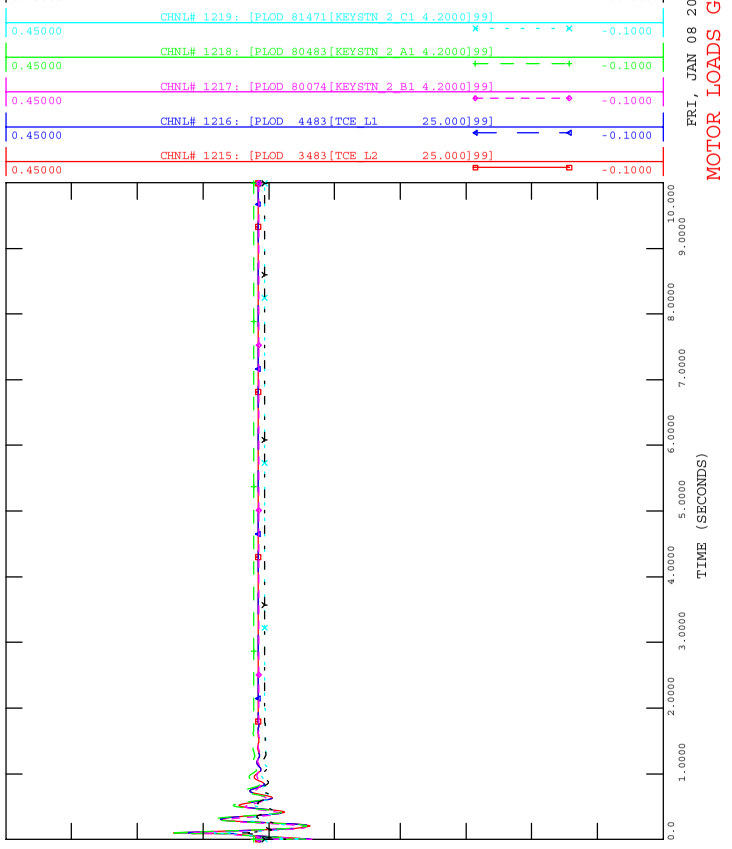


CENTRAL AREA STUDY
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FILE: C3-3fault.out

FRI, JAN 08 2010 17:37

MOTOR LOADS GROUP I

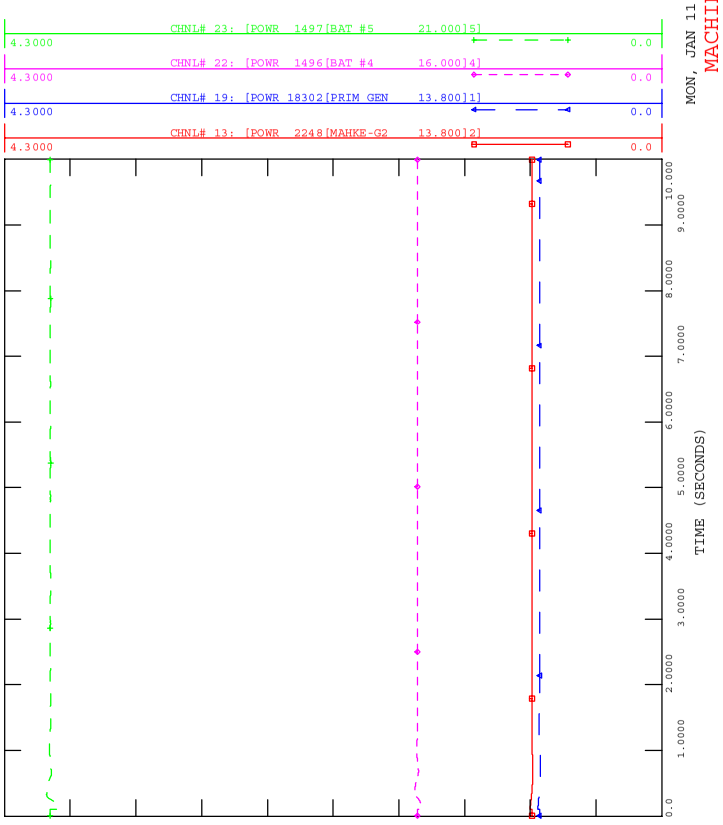


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

MACHINE POWER

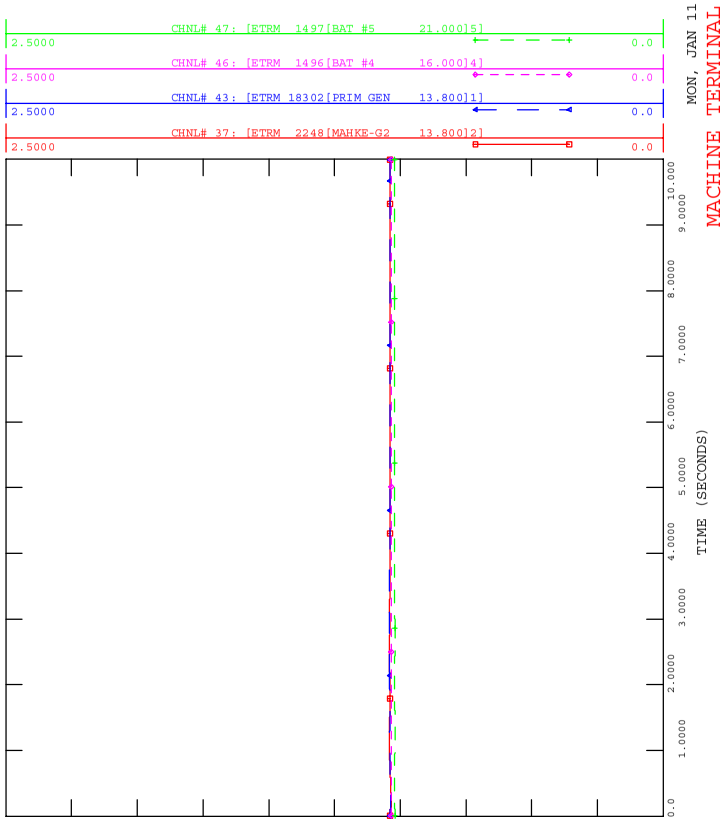


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

MACHINE TERMINAL VOLTAGE

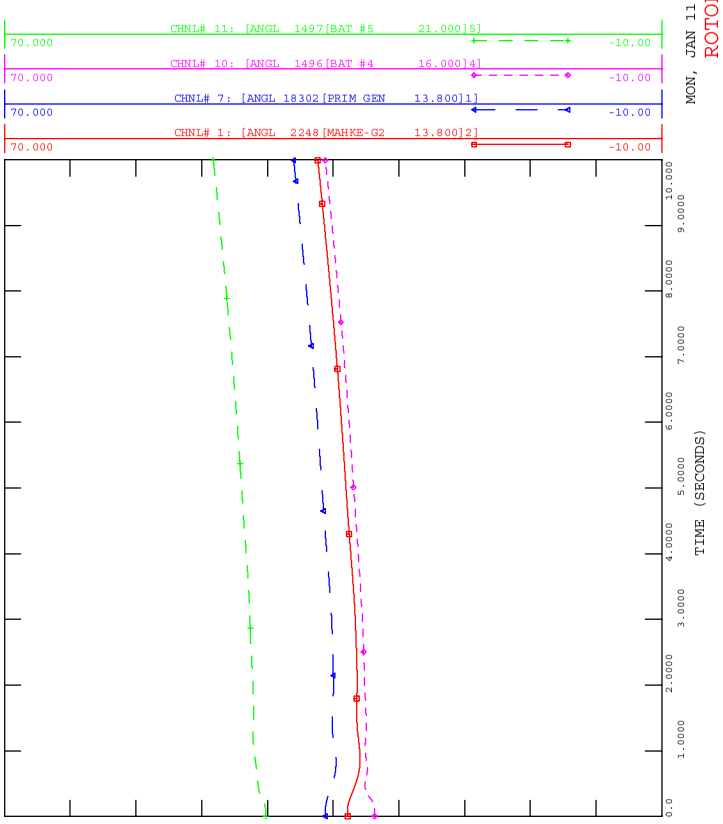


CENTRAL AREA STUDY
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FILE: C3-4fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

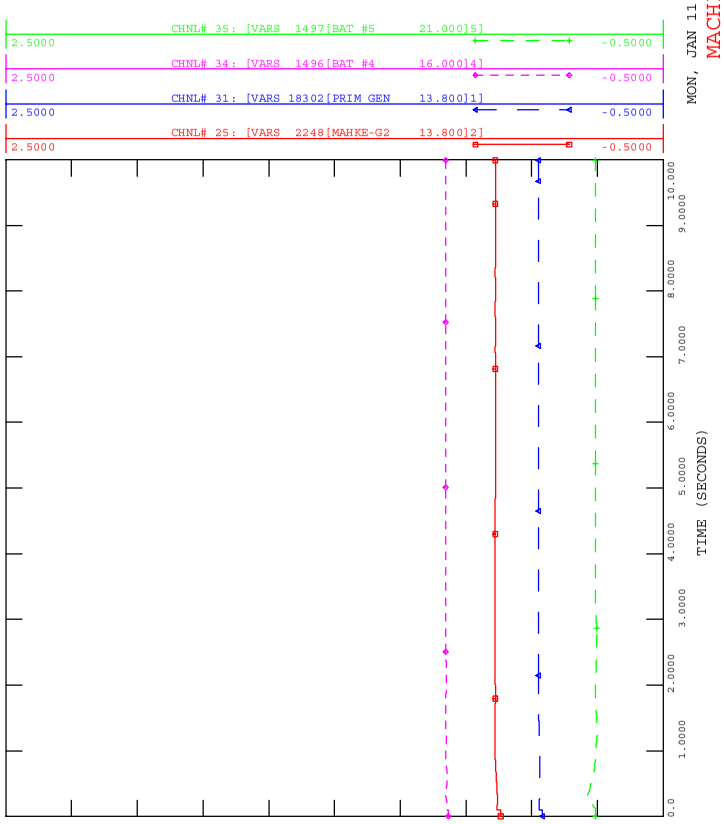


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

MACHINE VARS

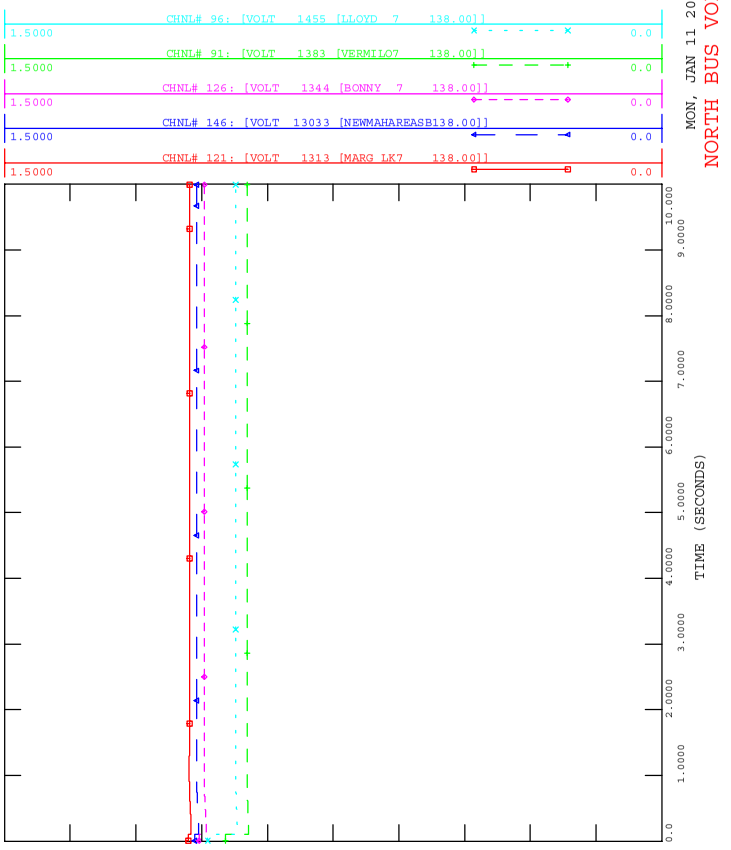


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

NORTH BUS VOLTAGES

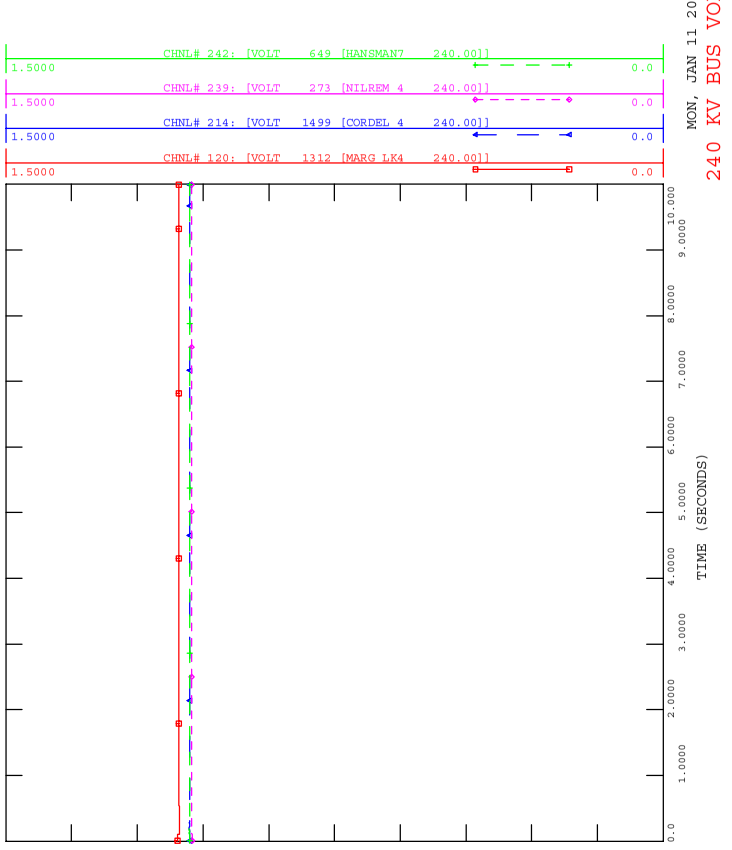


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

240 KV BUS VOLTAGES

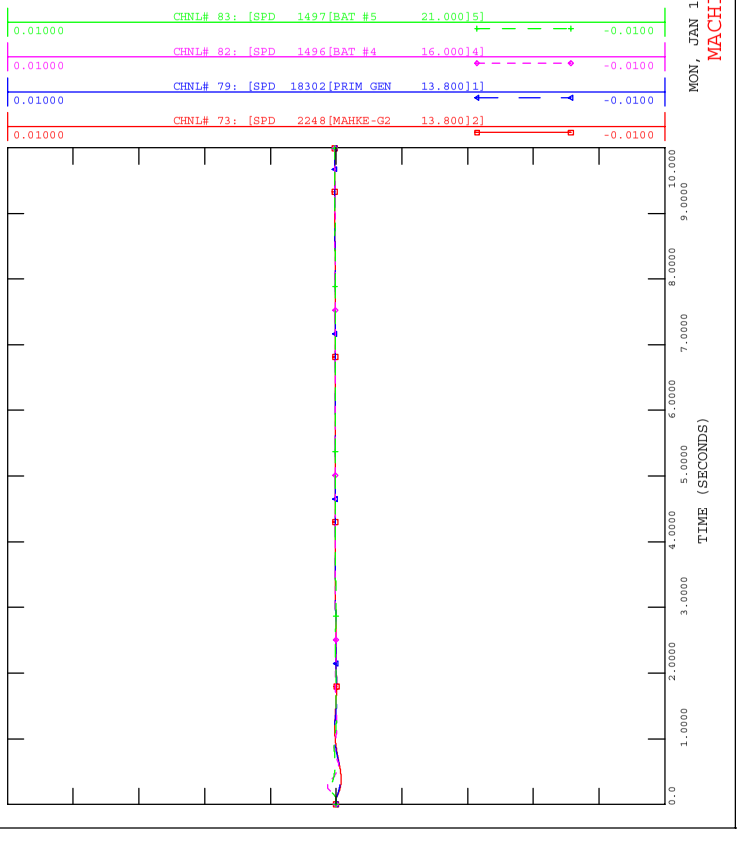


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

MACHINE SPEED

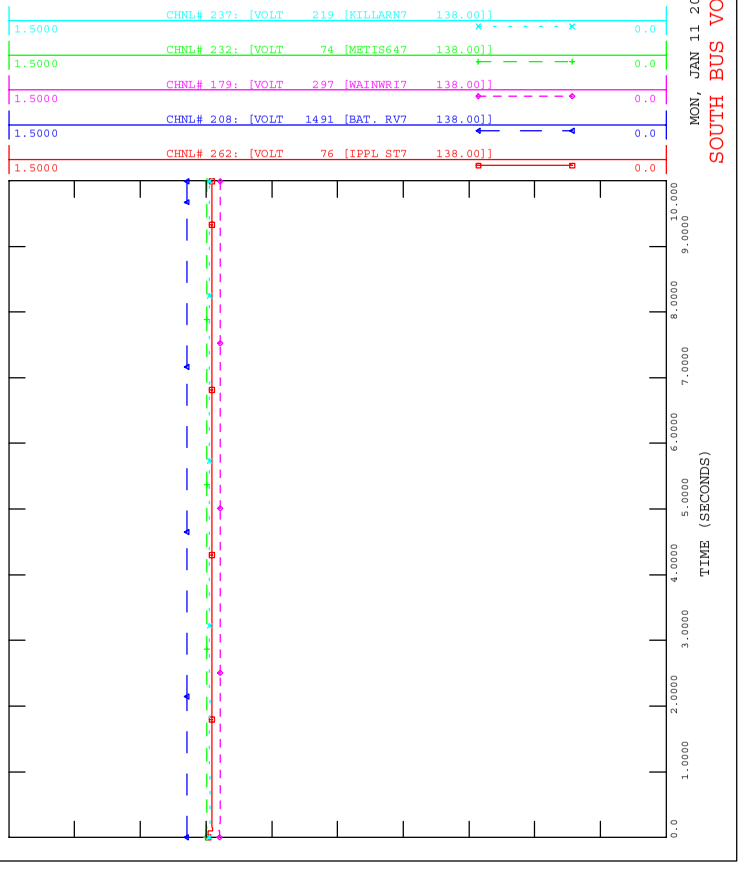


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

SOUTH BUS VOLTAGES

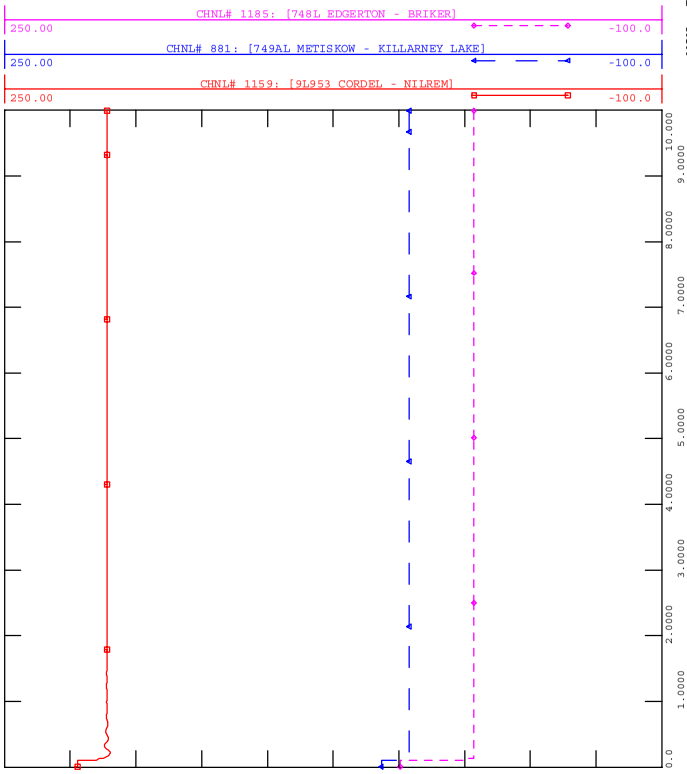


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

SOUTH LINES POWER FLOW

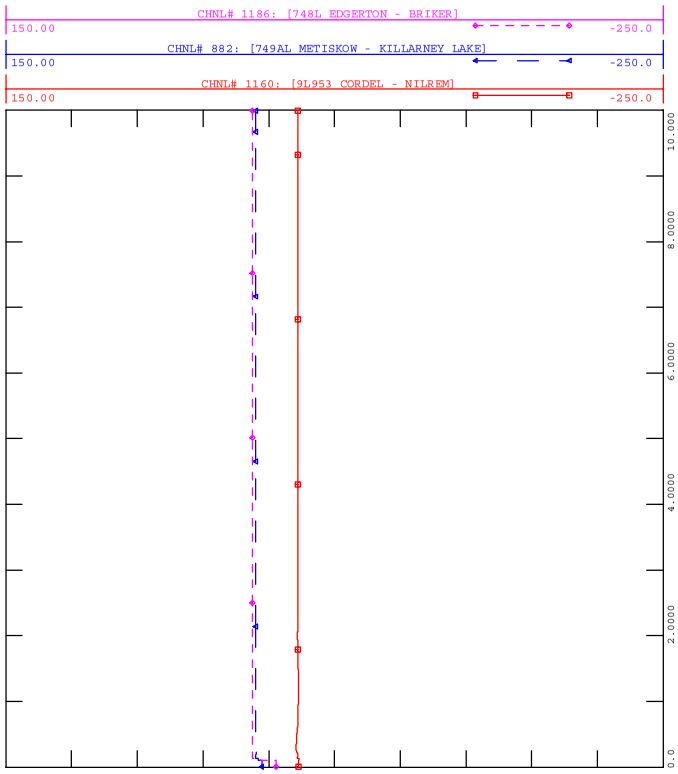


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

SOUTH LINES VAR FLOW

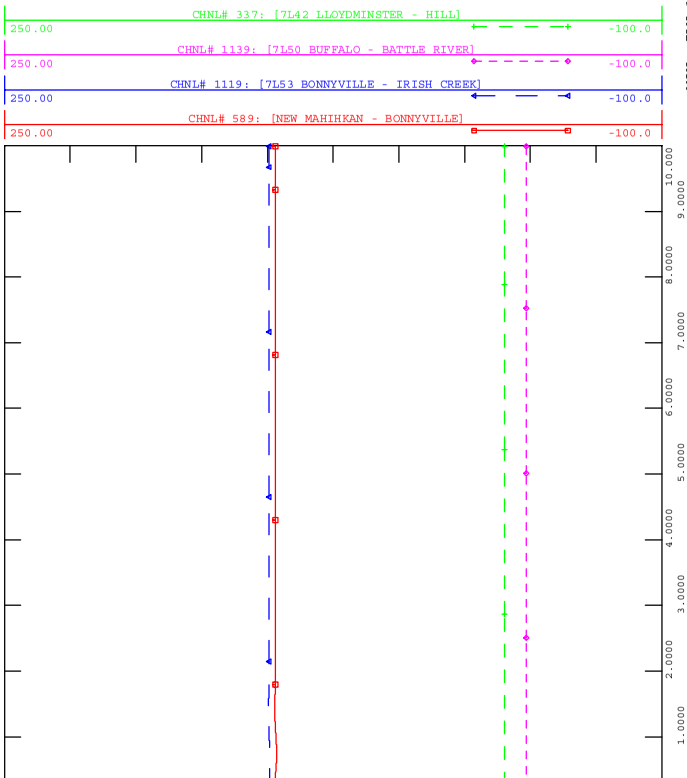


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

NORTH LINES POWER FLOW

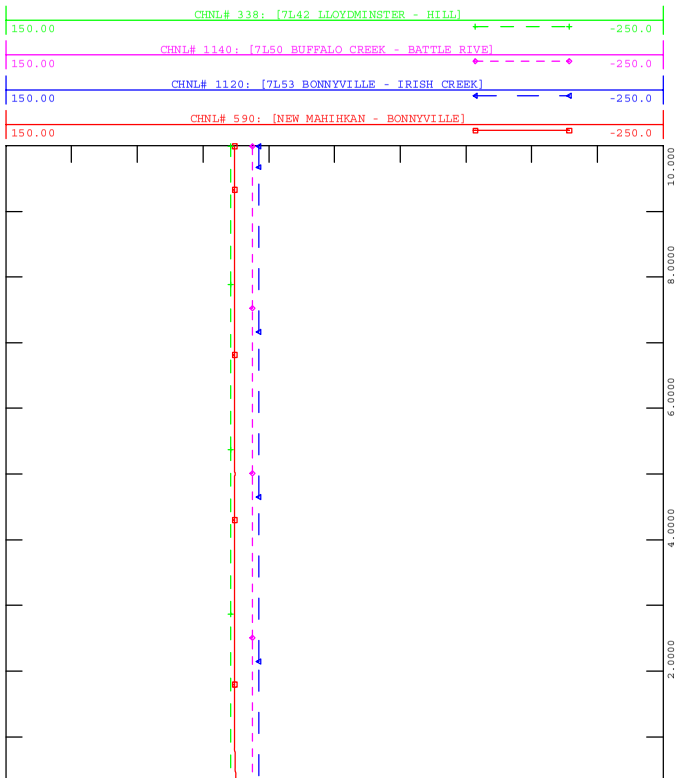


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

NORTH LINES VAR FLOW

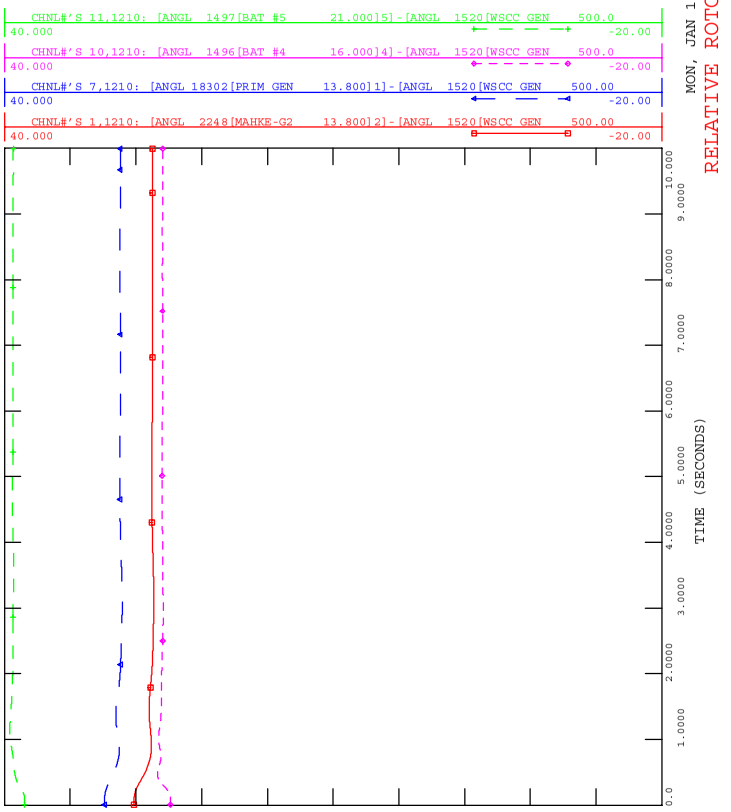


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

RELATIVE ROTOR ANGLES

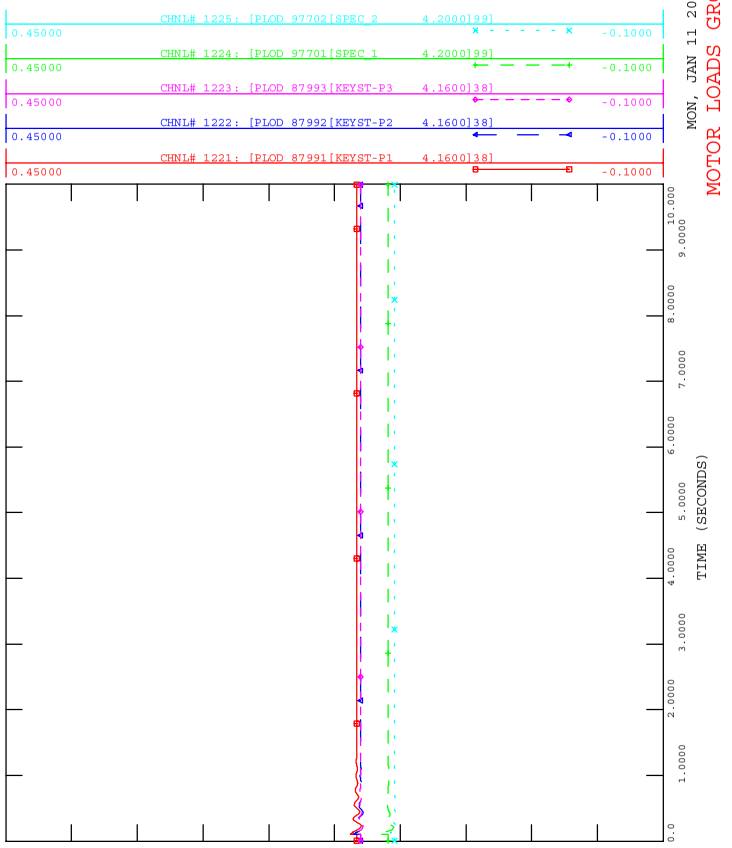


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP II

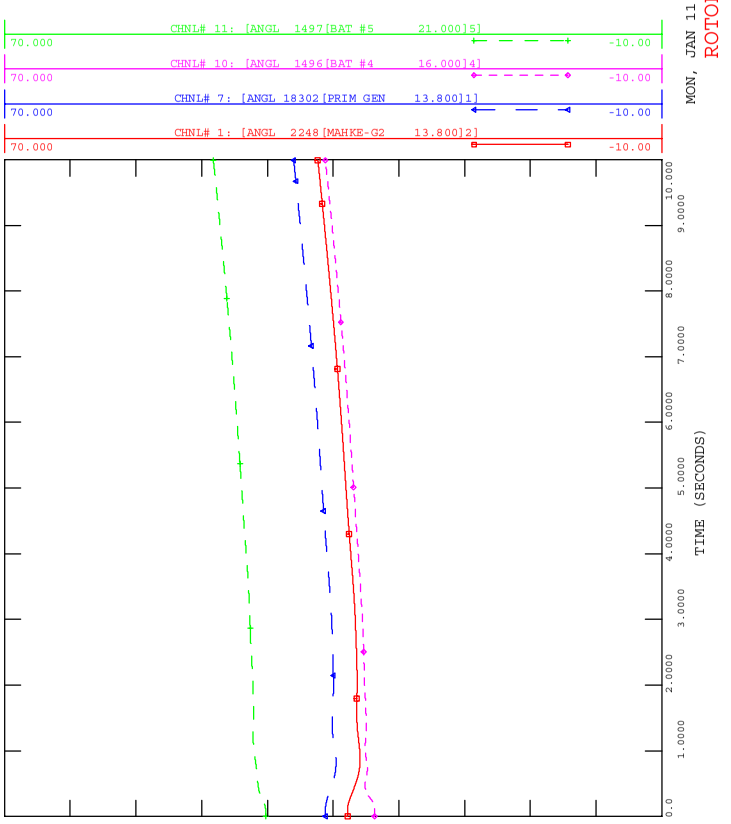


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

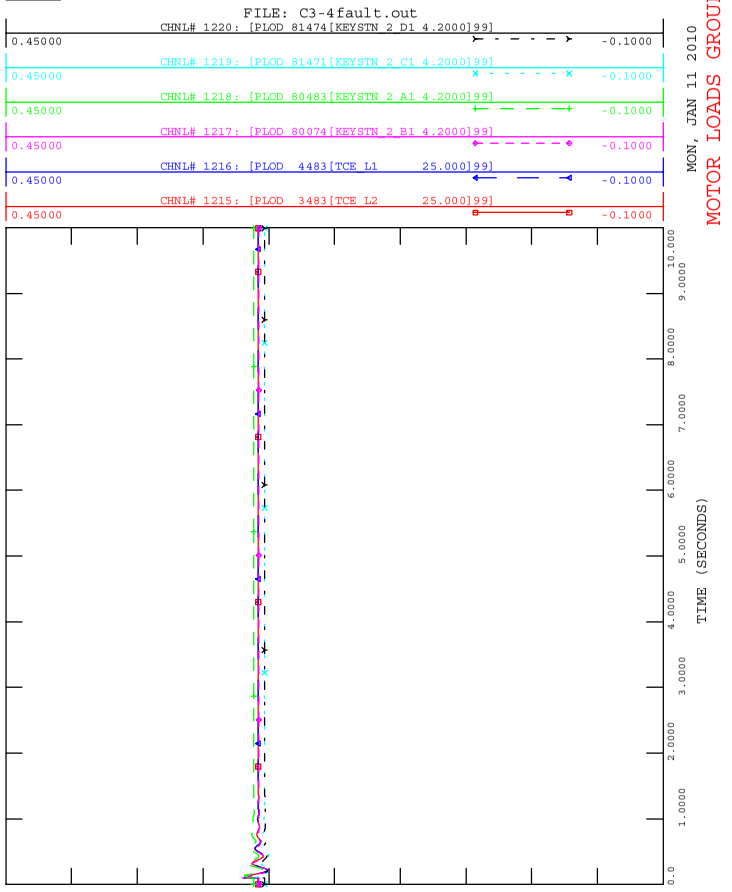


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-4fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP I

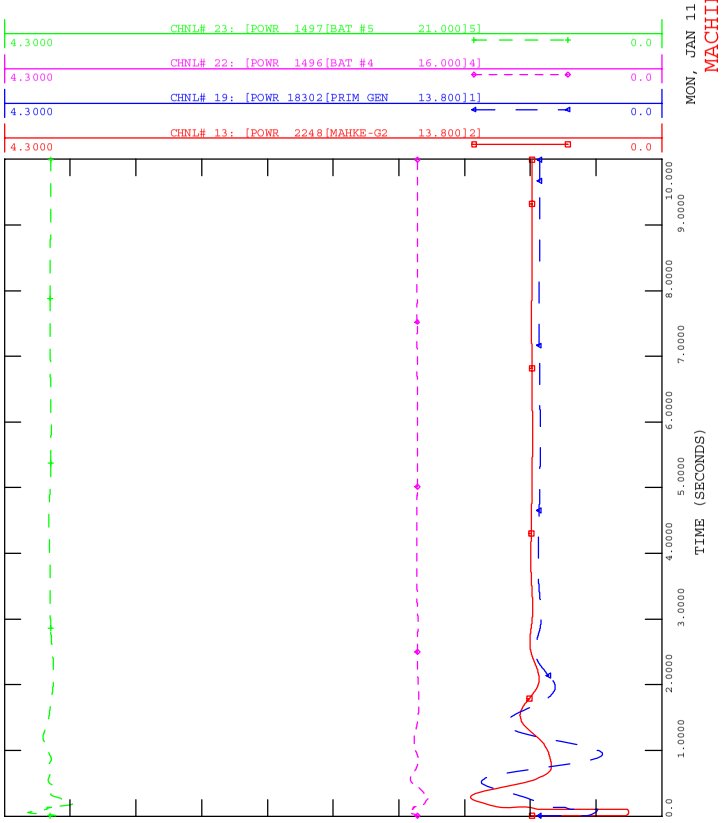


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

MACHINE POWER

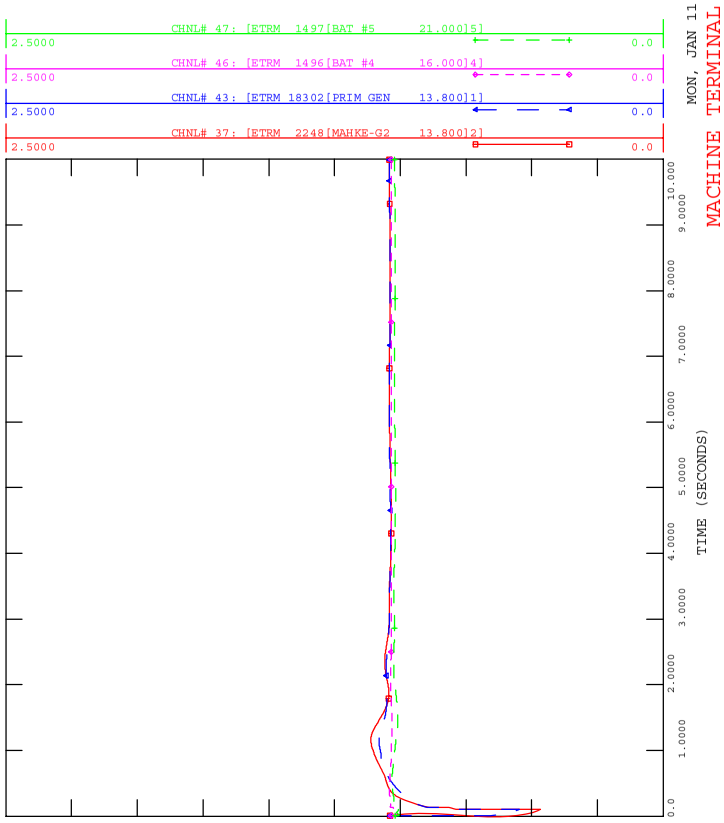


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

MACHINE TERMINAL VOLTAGE

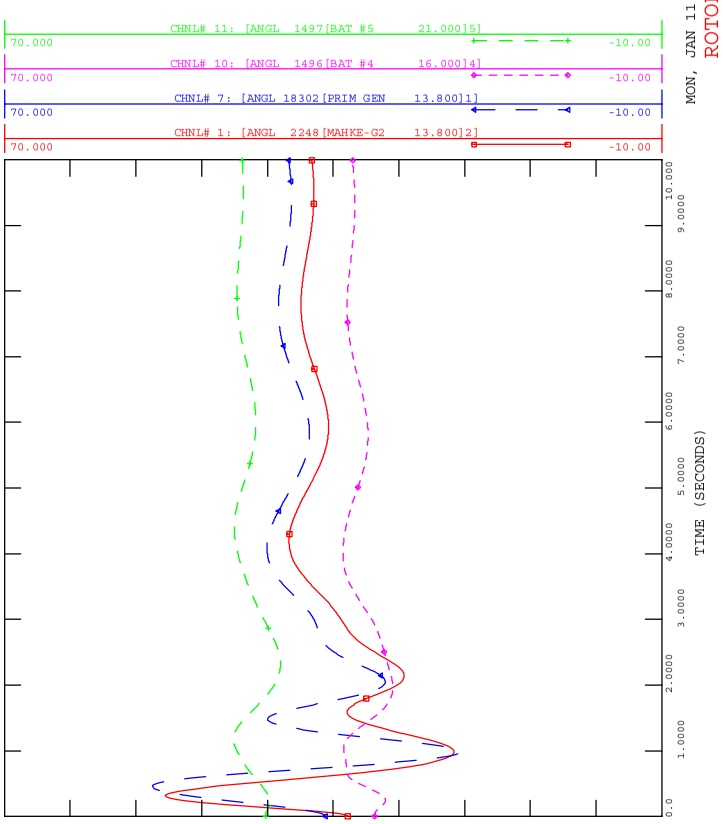


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

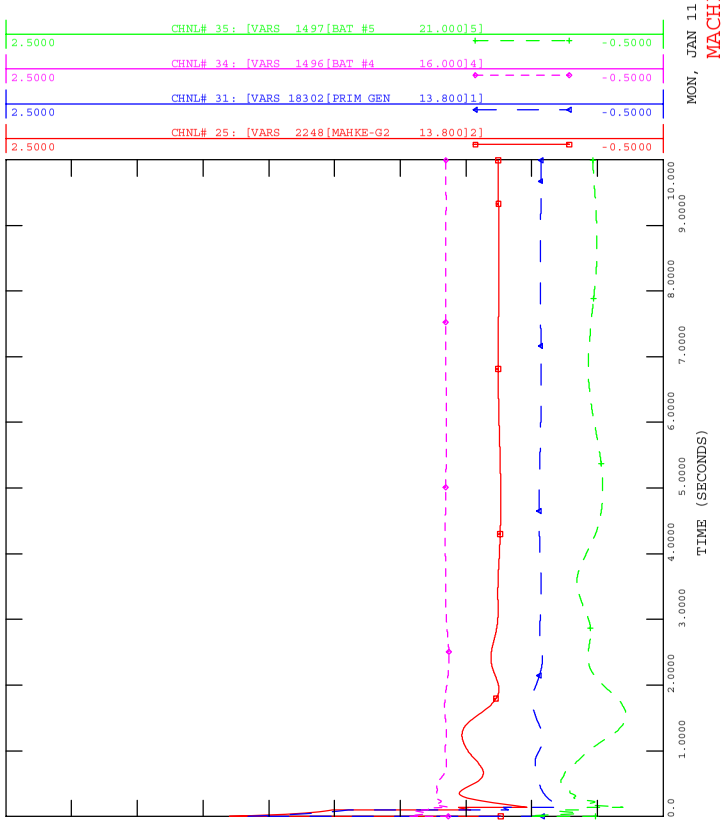


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 147: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

240 KV BUS VOLTAGES

CHNL# 243: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 240: [VOLT 273 [NILREM 4 240.00]]
CHNL# 215: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

SOUTH BUS VOLTAGES

CHNL# 238: [VOLT 219 [KILLARN7 138.00]]
CHNL# 233: [VOLT 74 [METIS647 138.00]]
CHNL# 180: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 209: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 262: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

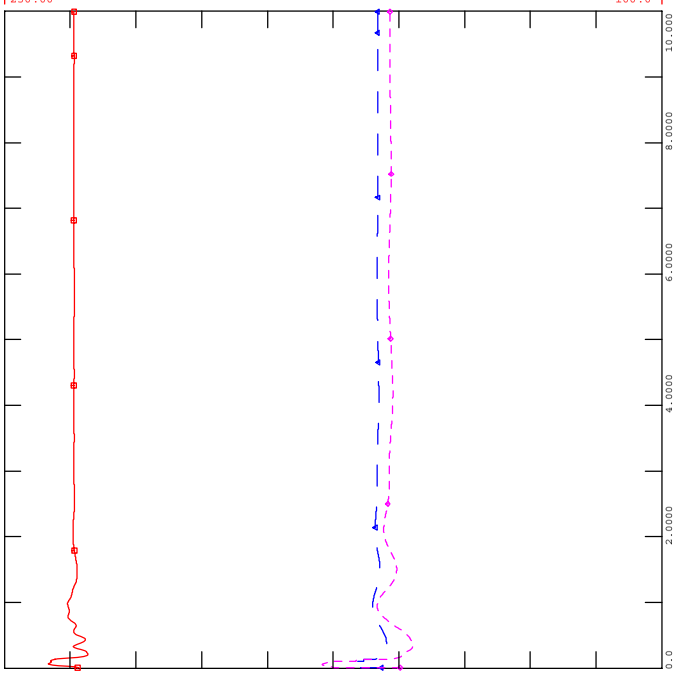
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

SOUTH LINES POWER FLOW

CHNL# 1175: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1159: [9L953 CORDEL - NILREM]
250.00 -100.0



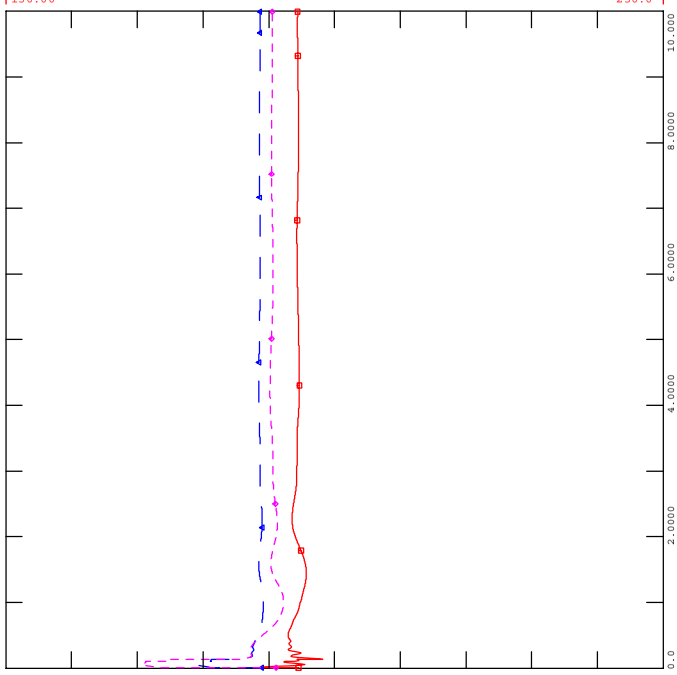
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

SOUTH LINES VAR FLOW

CHNL# 1176: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 886: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1160: [9L953 CORDEL - NILREM]
150.00 -250.0



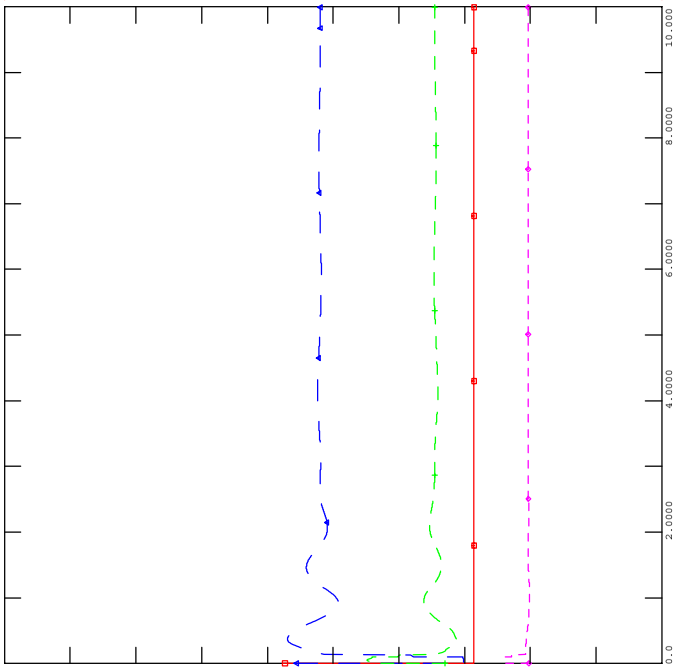
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 593: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



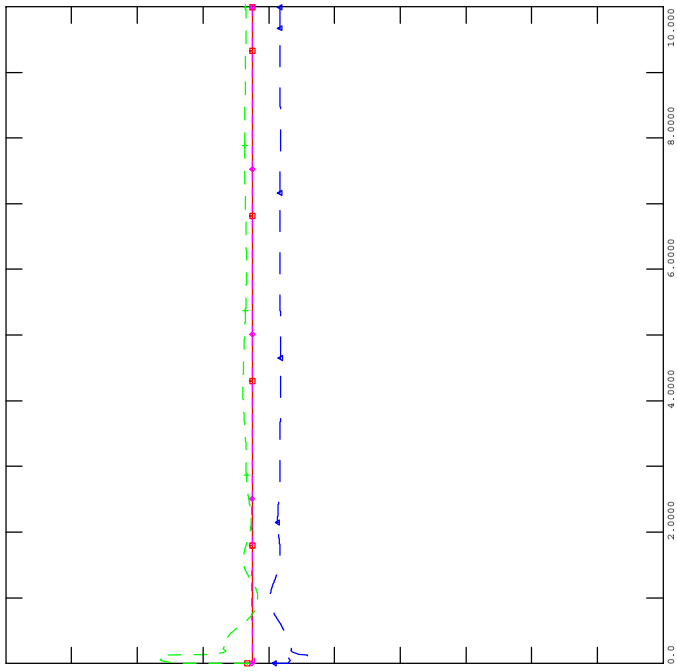
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 594: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0



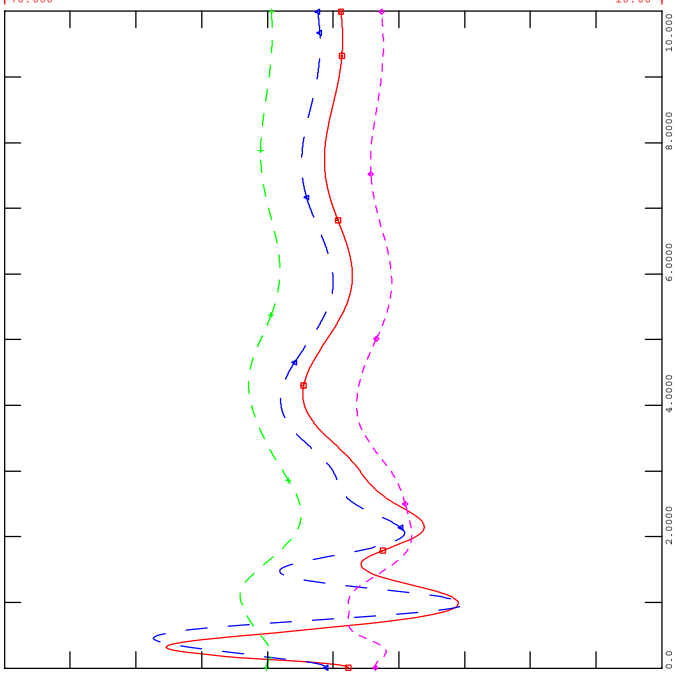
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



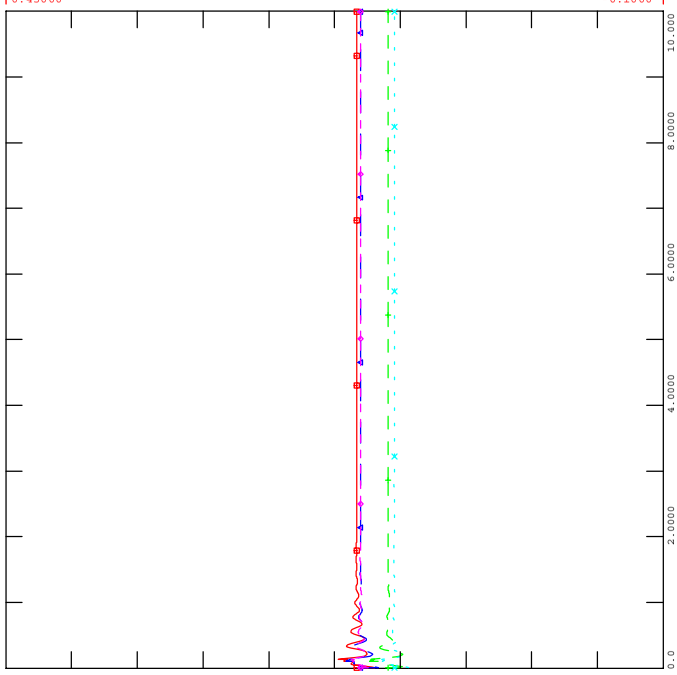
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



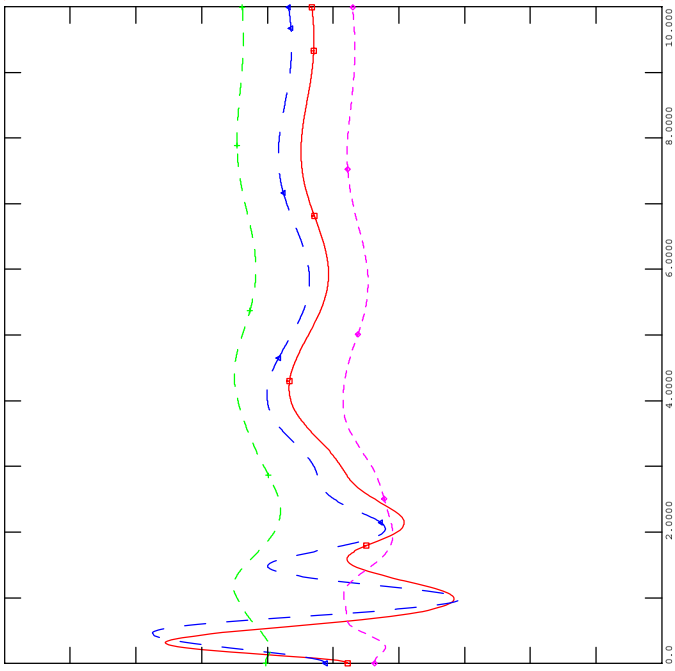
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



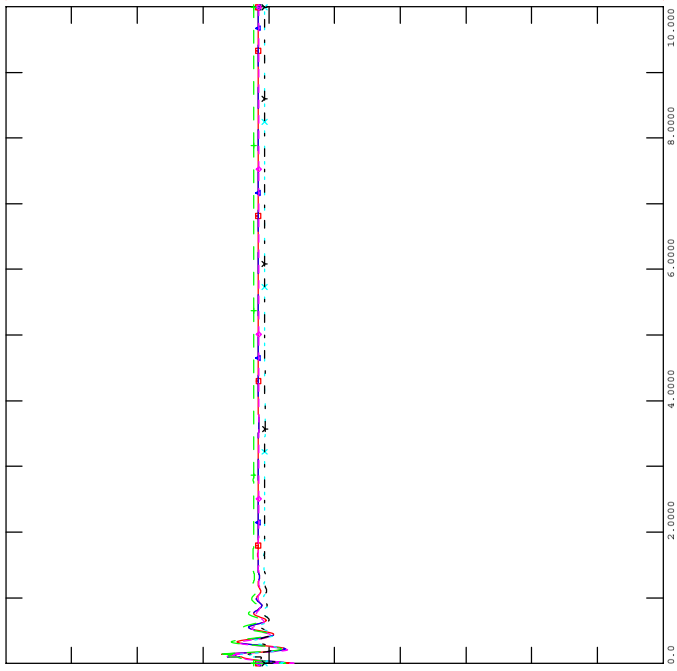
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-5fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

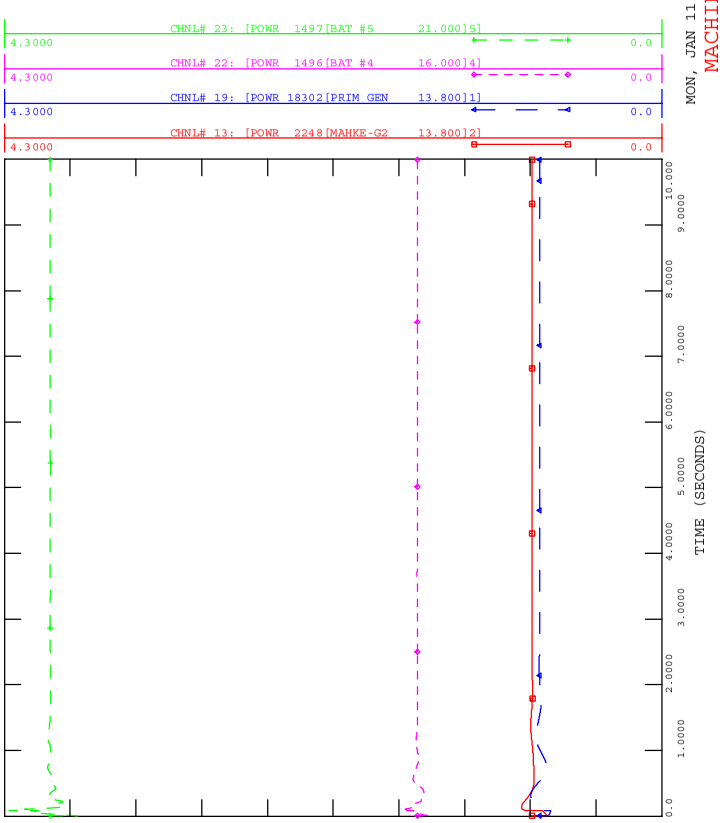


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

MACHINE POWER

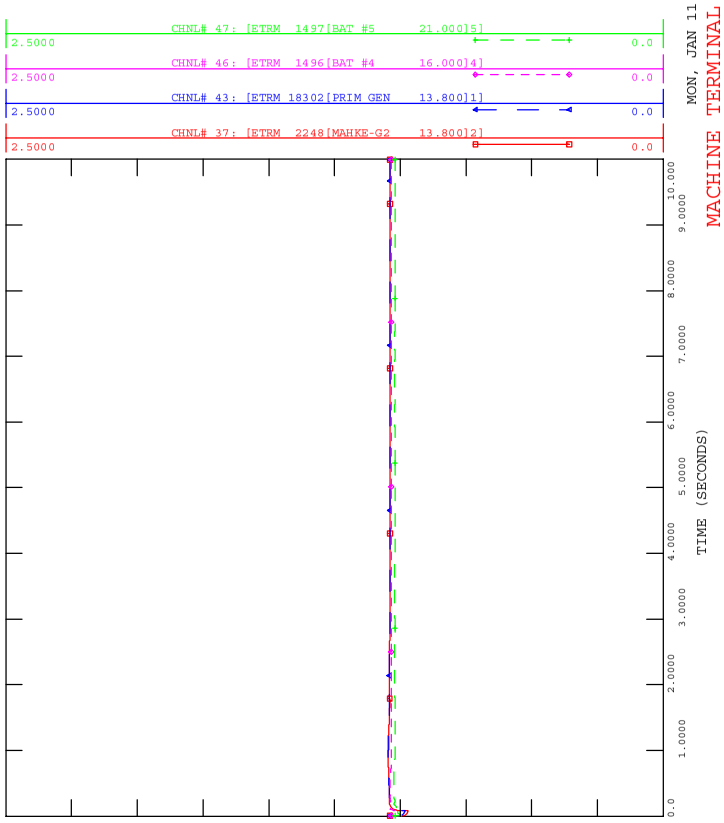


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

MACHINE TERMINAL VOLTAGE

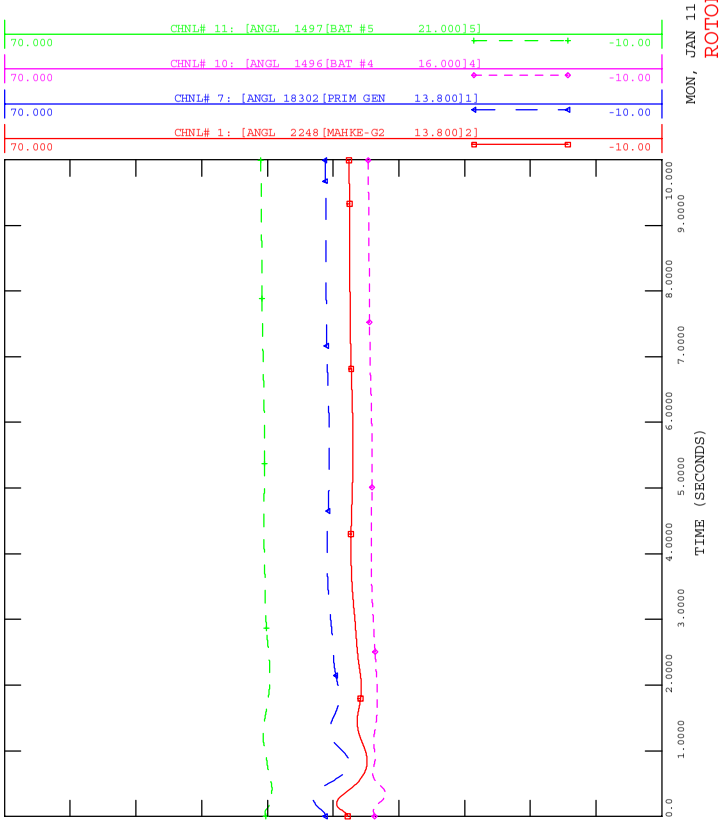


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

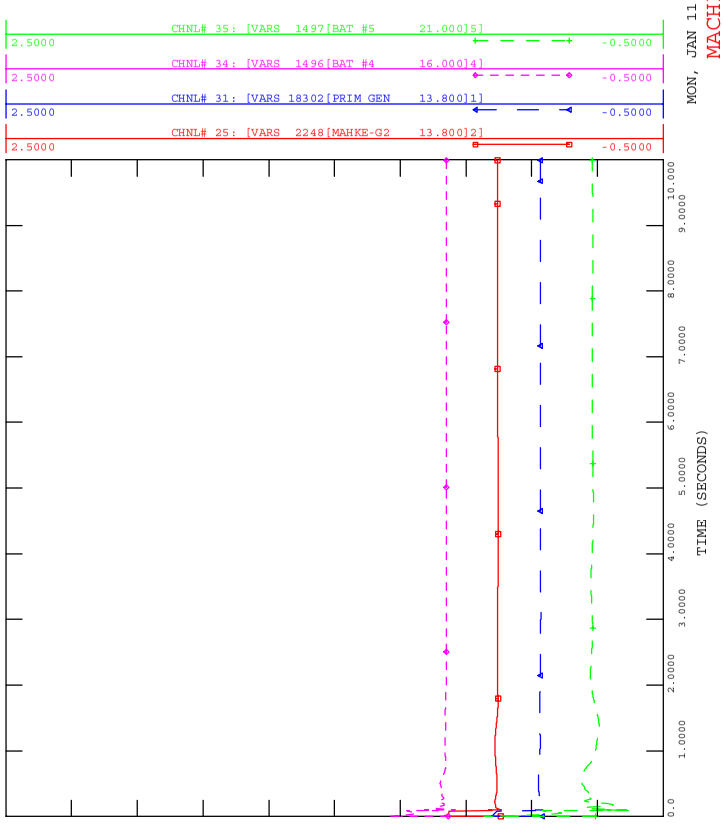


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

MACHINE VARS

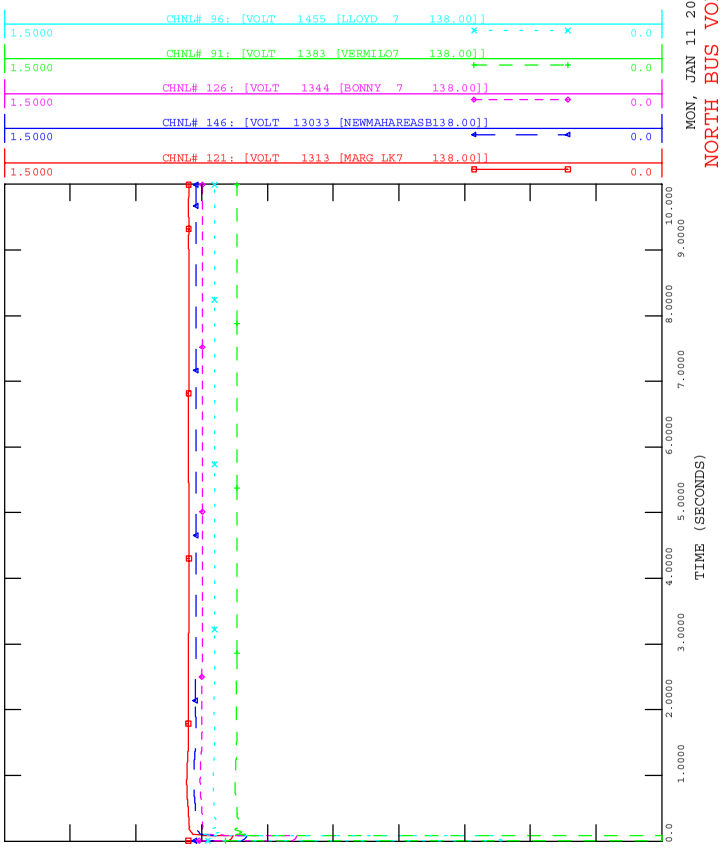


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

NORTH BUS VOLTAGES

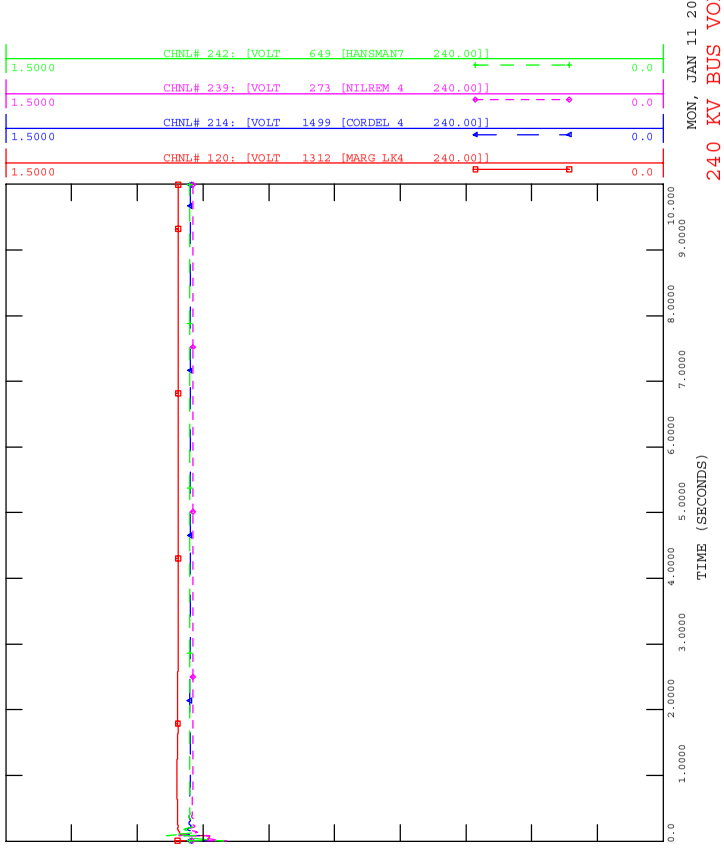


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

240 KV BUS VOLTAGES

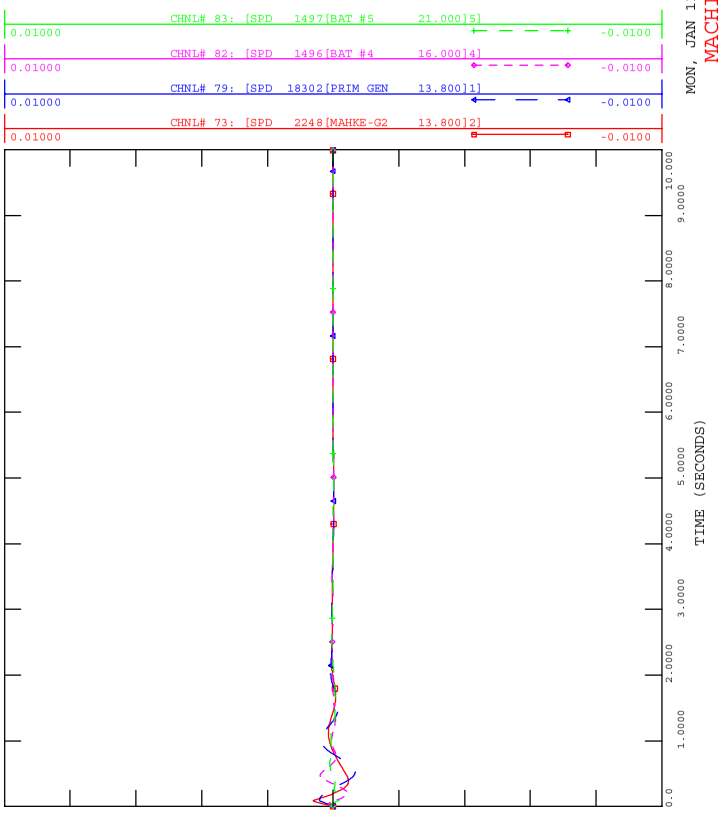


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

MACHINE SPEED

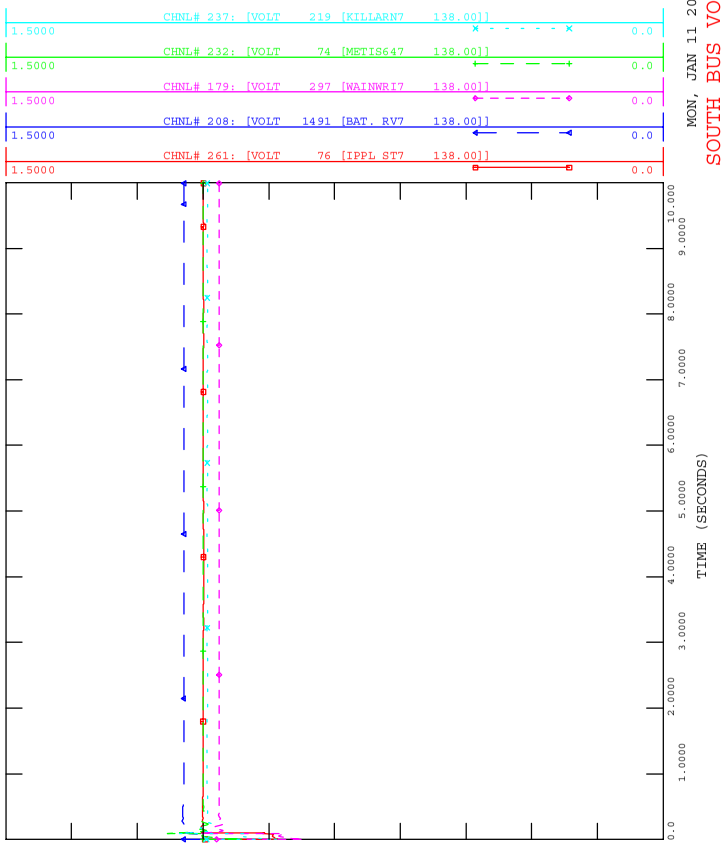


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

SOUTH BUS VOLTAGES



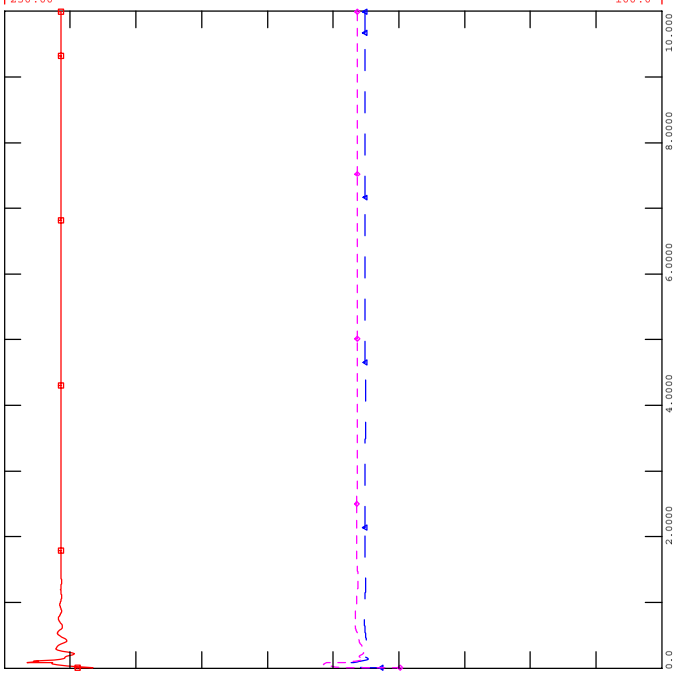
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

SOUTH LINES POWER FLOW

CHNL# 1175: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 881: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1159: [9L953 CORDEL - NILREM]
250.00 -100.0



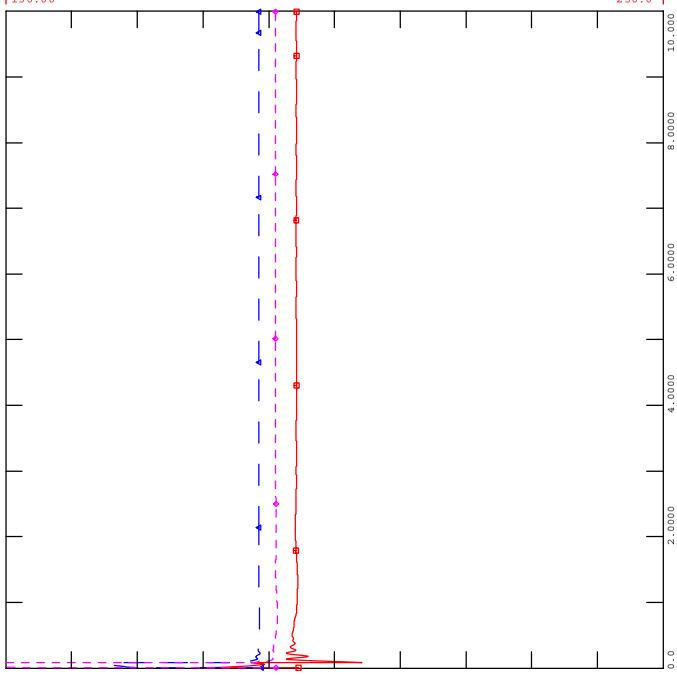
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

SOUTH LINES VAR FLOW

CHNL# 1176: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 882: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1160: [9L953 CORDEL - NILREM]
150.00 -250.0



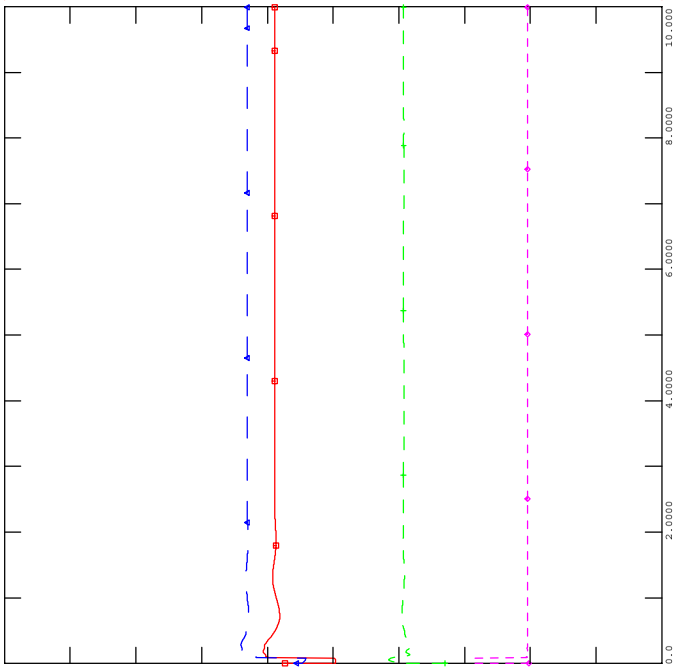
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

NORTH LINES POWER FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 589: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



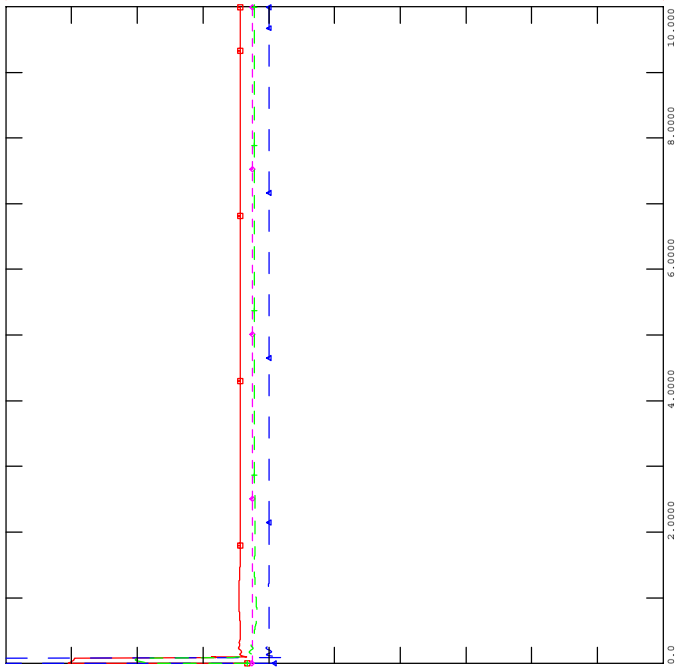
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

NORTH LINES VAR FLOW

CHNL# 342: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 590: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0



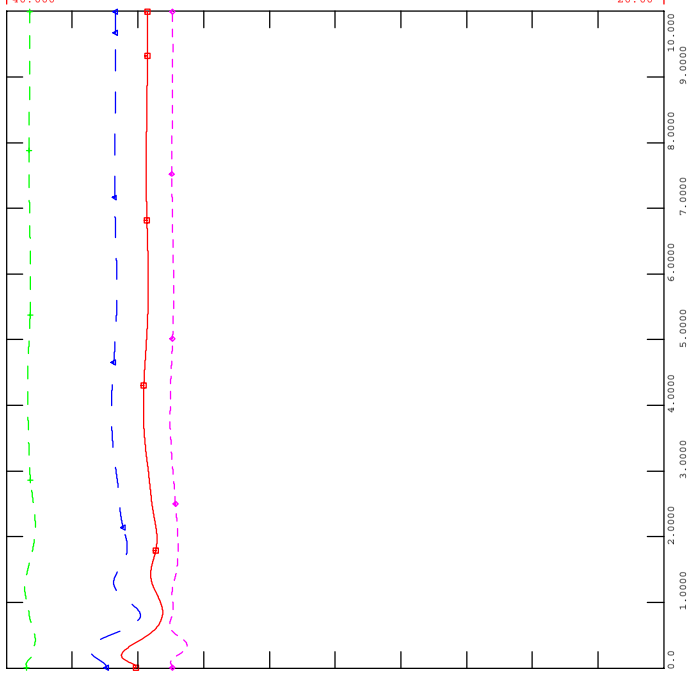
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
40.000 -20.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
40.000 -20.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
40.000 -20.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
40.000 -20.00



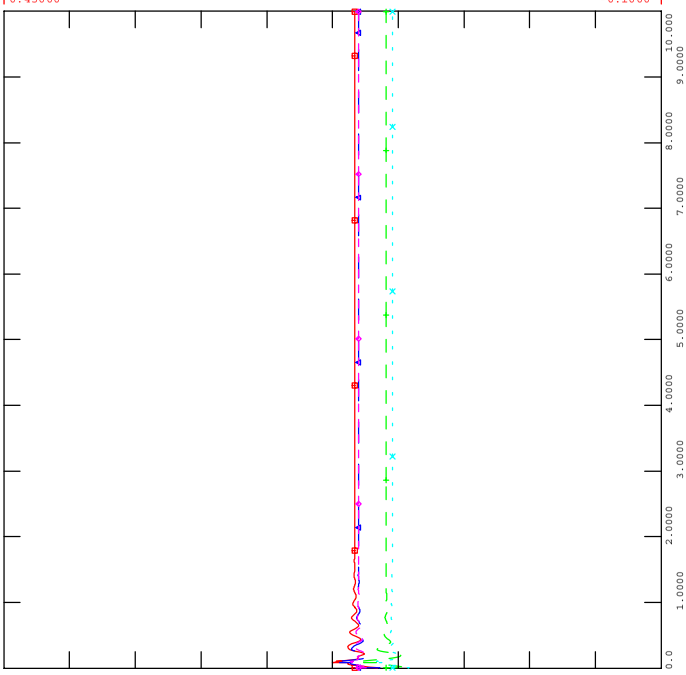
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



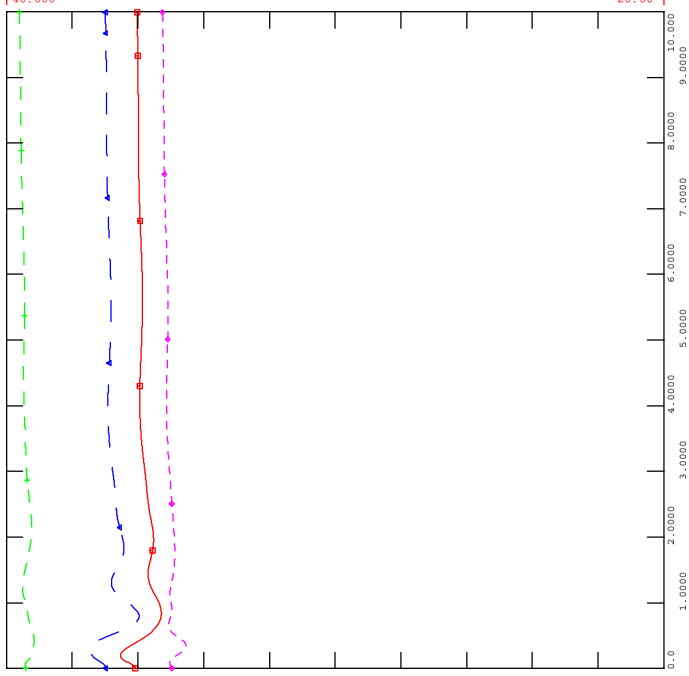
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
40.000 -20.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
40.000 -20.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
40.000 -20.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
40.000 -20.00



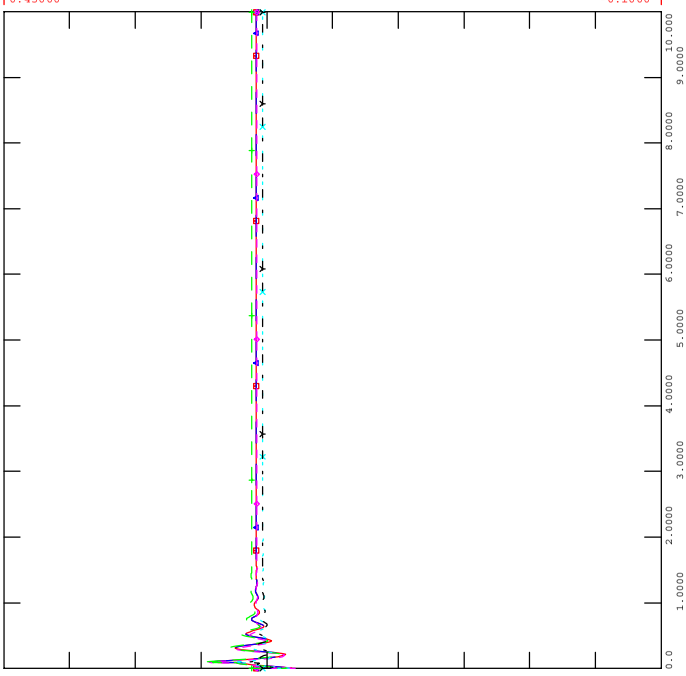
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-6fault.out

MON, JAN 11 2010 8:15

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

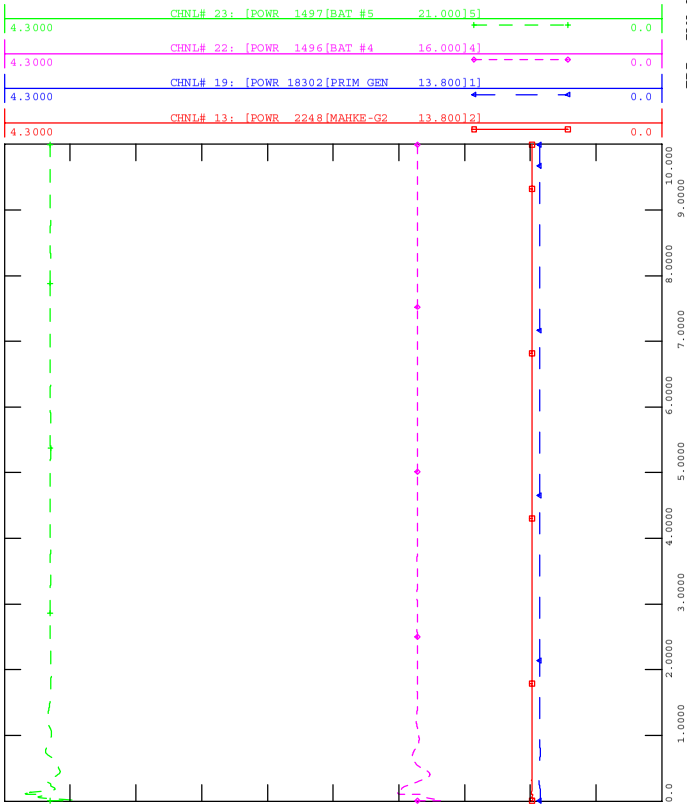


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

MACHINE POWER

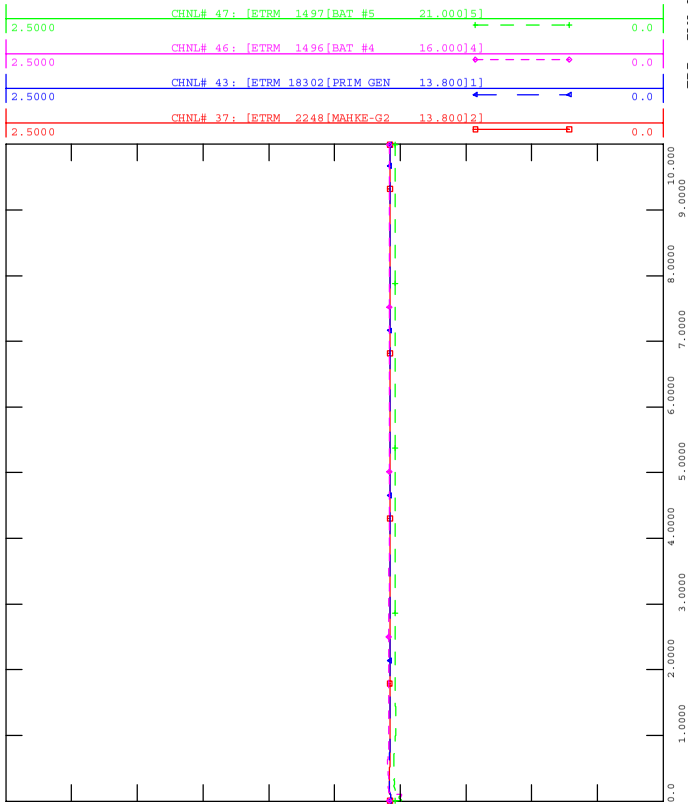


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

MACHINE TERMINAL VOLTAGE

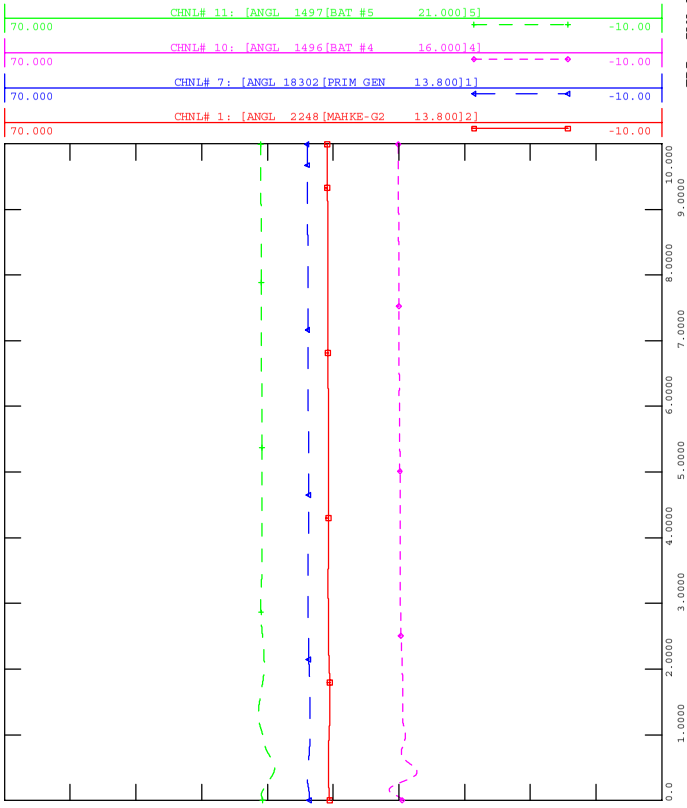


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:40

ROTOR ANGLES

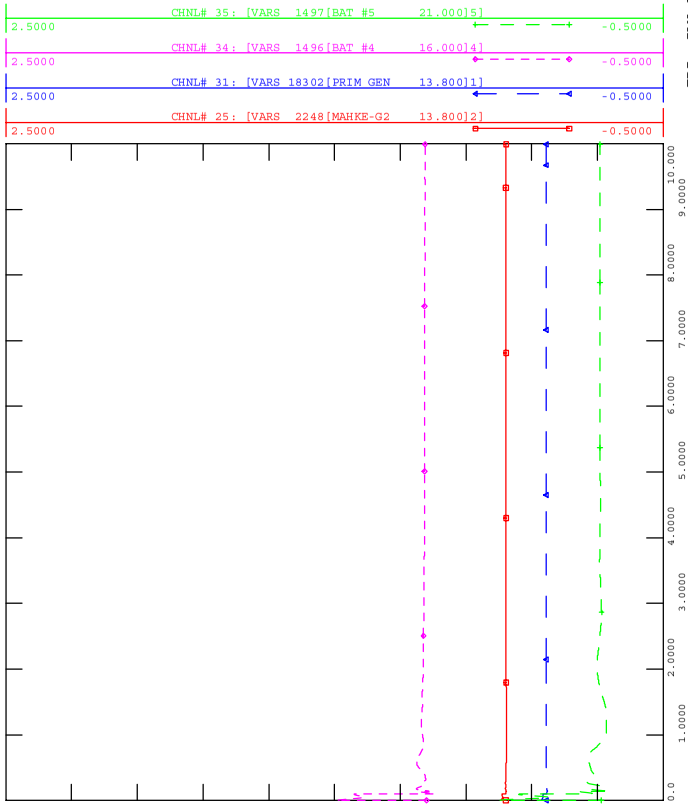


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

MACHINE VARS

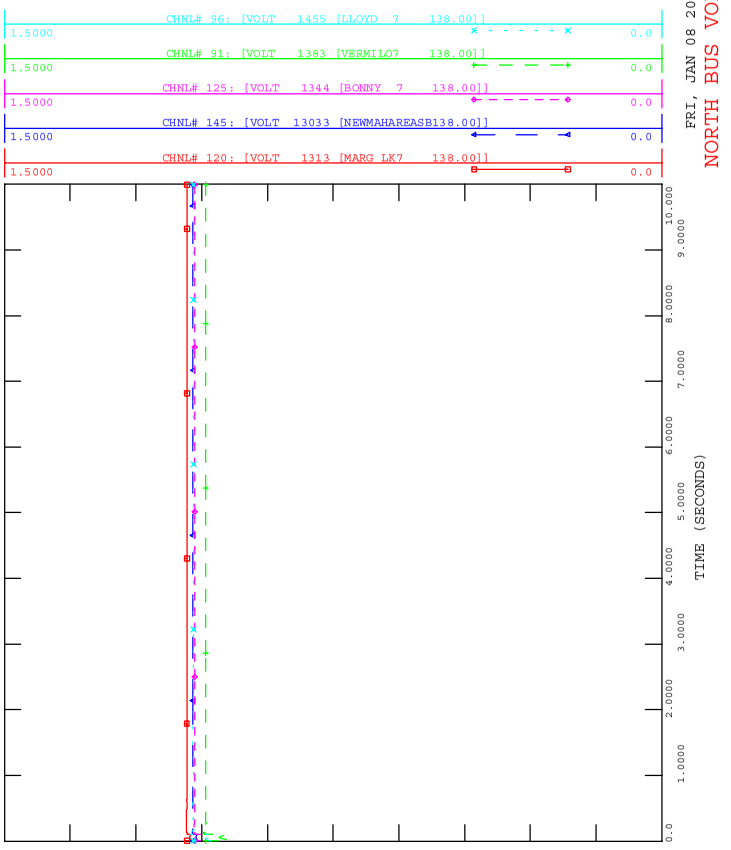


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

NORTH BUS VOLTAGES

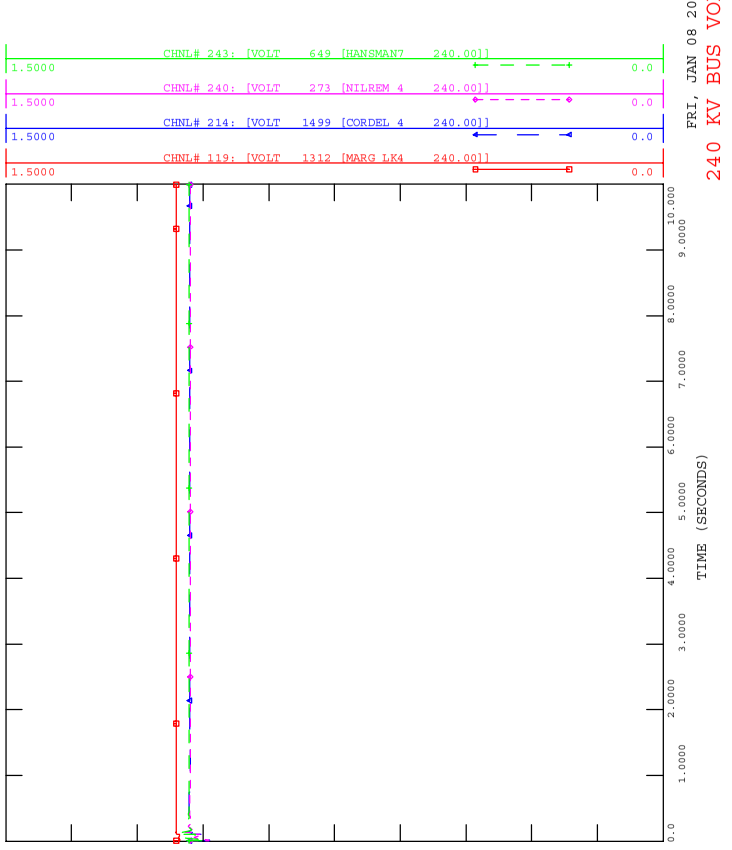


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

240 KV BUS VOLTAGES

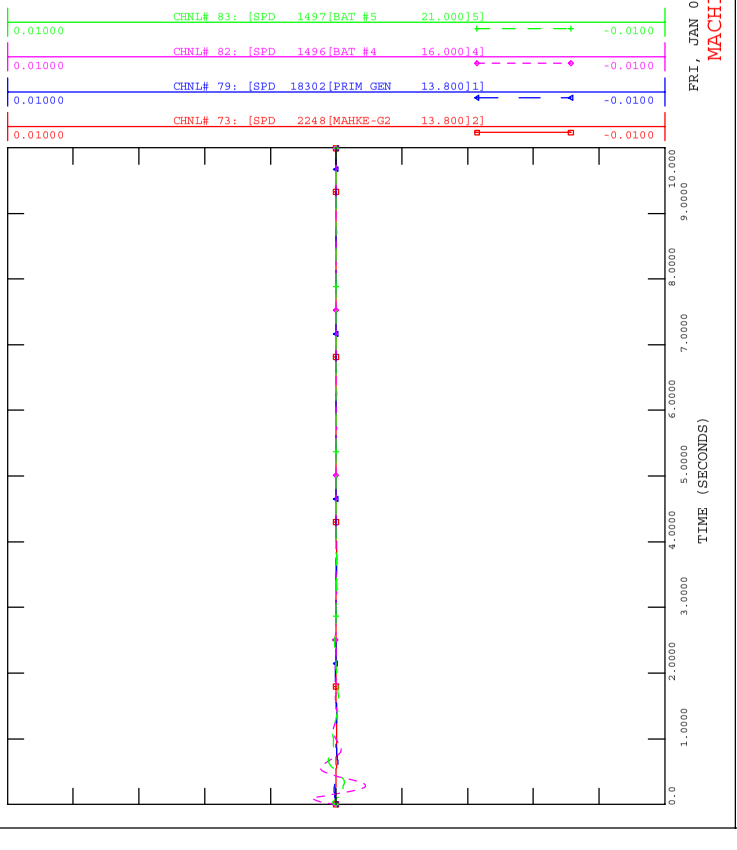


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

MACHINE SPEED

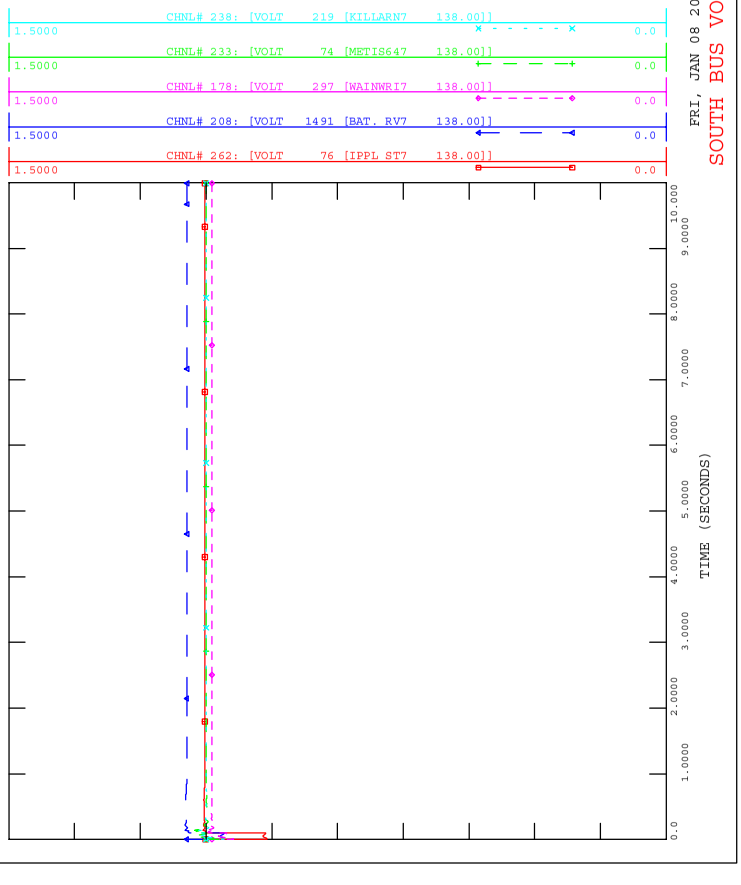


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1159: [9L953 CORDEL - NILREM]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 886: [749AL METISKOW - KILARNEY LAKE]
150.00 -250.0
CHNL# 1160: [9L953 CORDEL - NILREM]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

FRI, JAN 08 2010 17:41

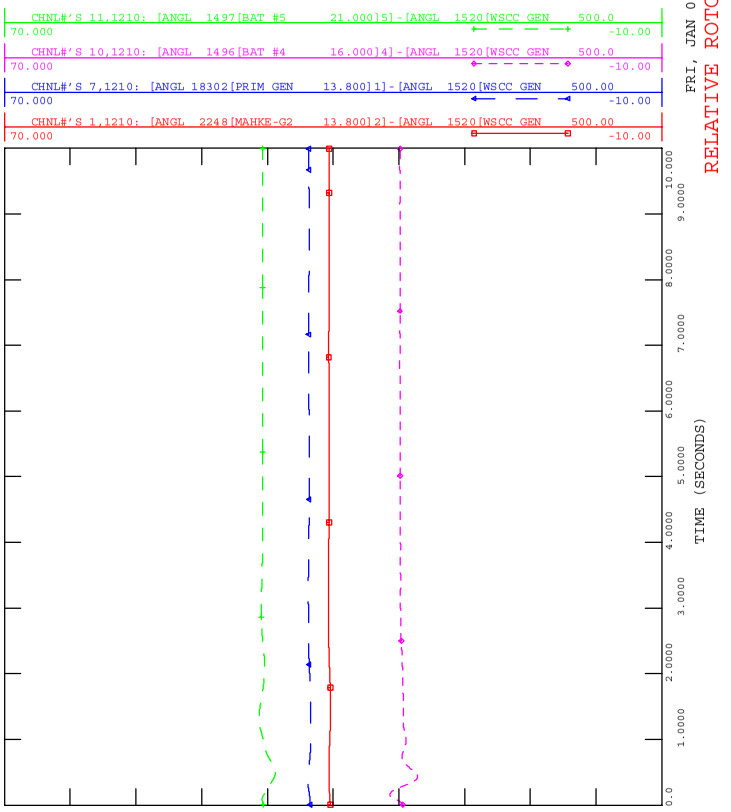
NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

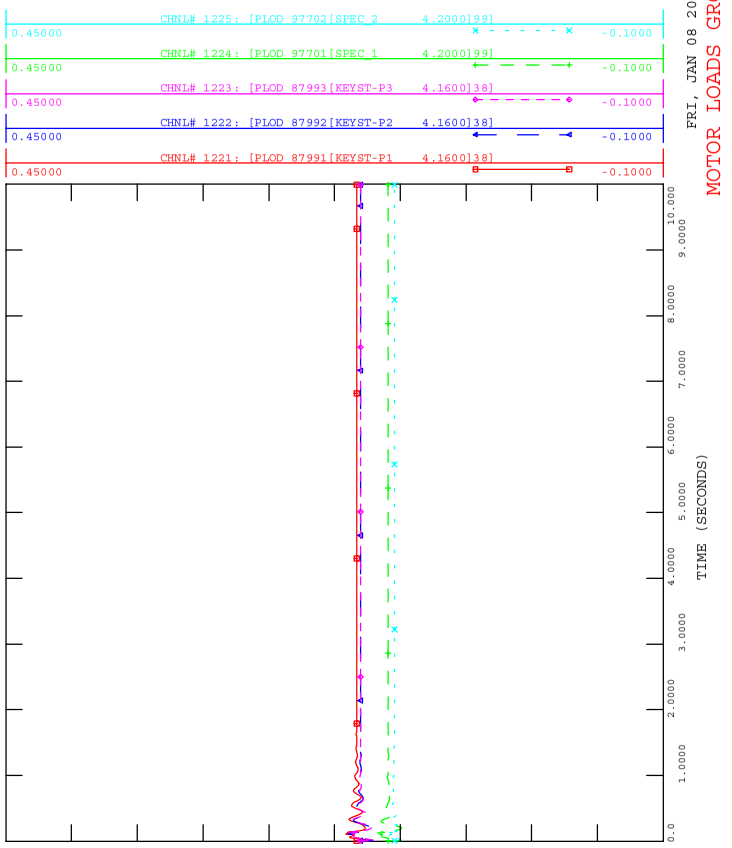


FRI, JAN 08 2010 17:41

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

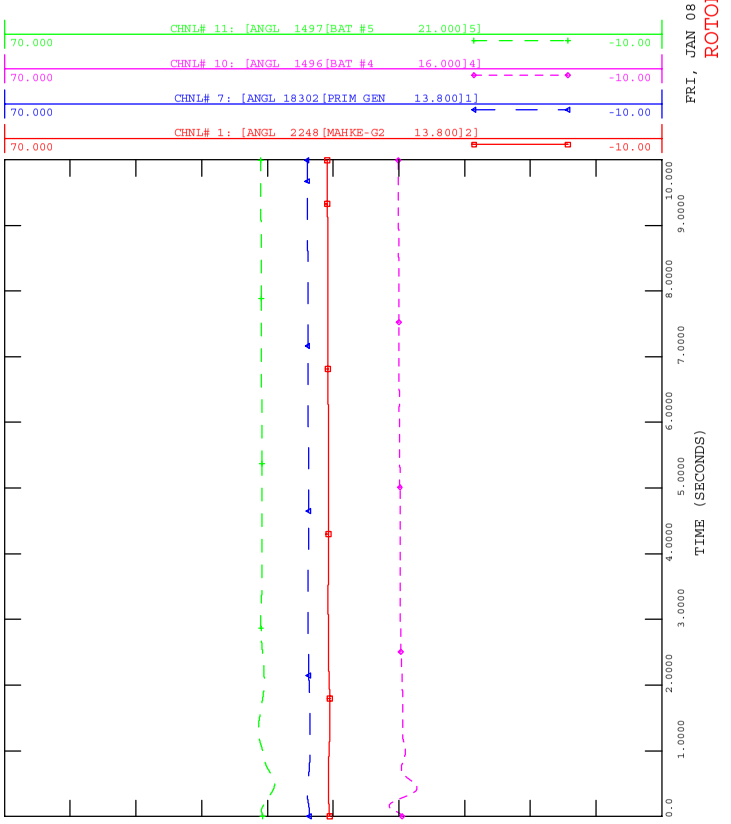


FRI, JAN 08 2010 17:41

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out

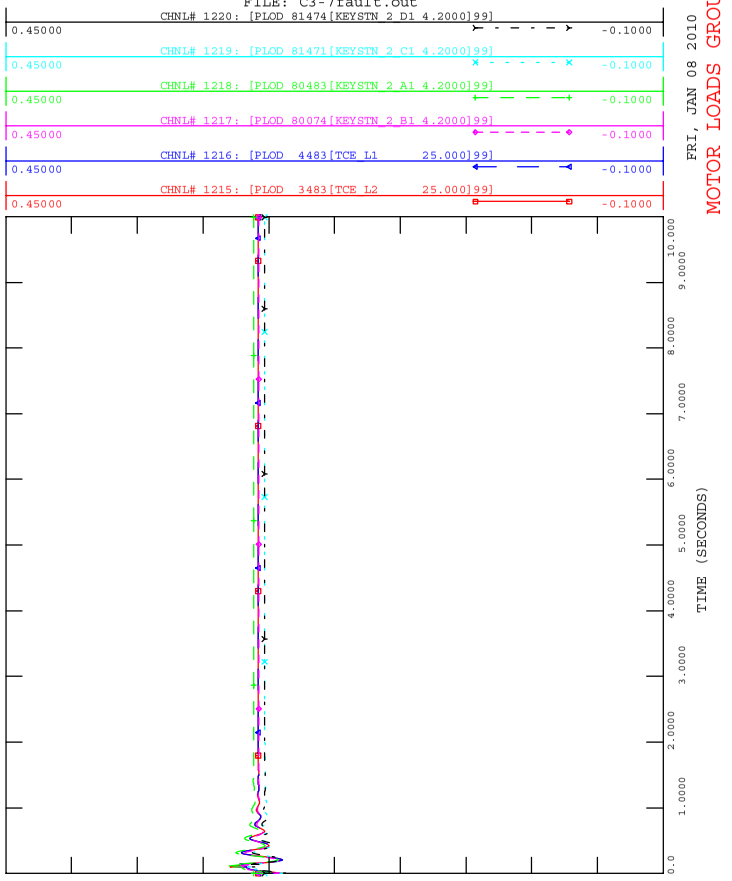


FRI, JAN 08 2010 17:41

ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-7fault.out



FRI, JAN 08 2010 17:41

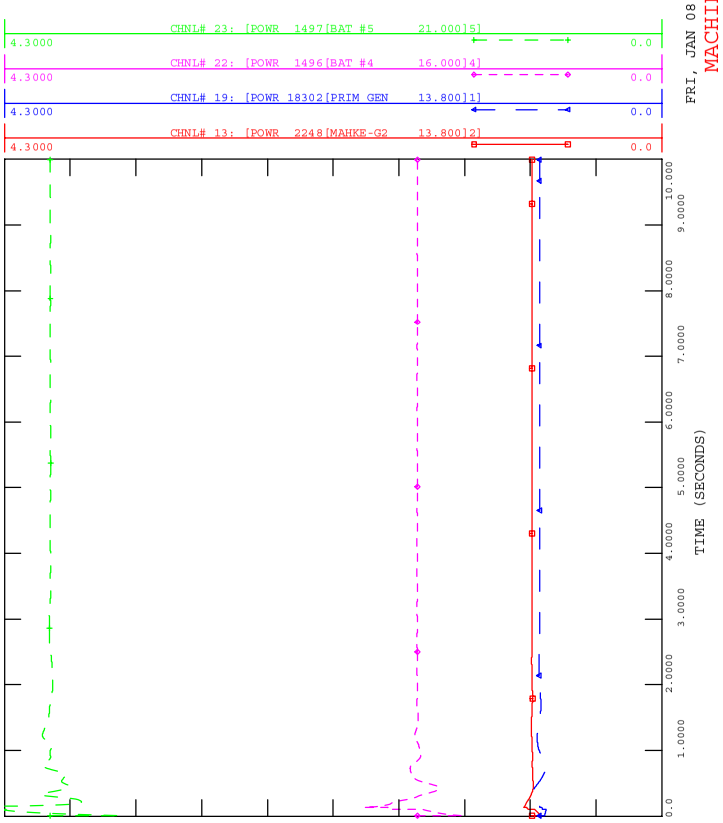
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

MACHINE POWER

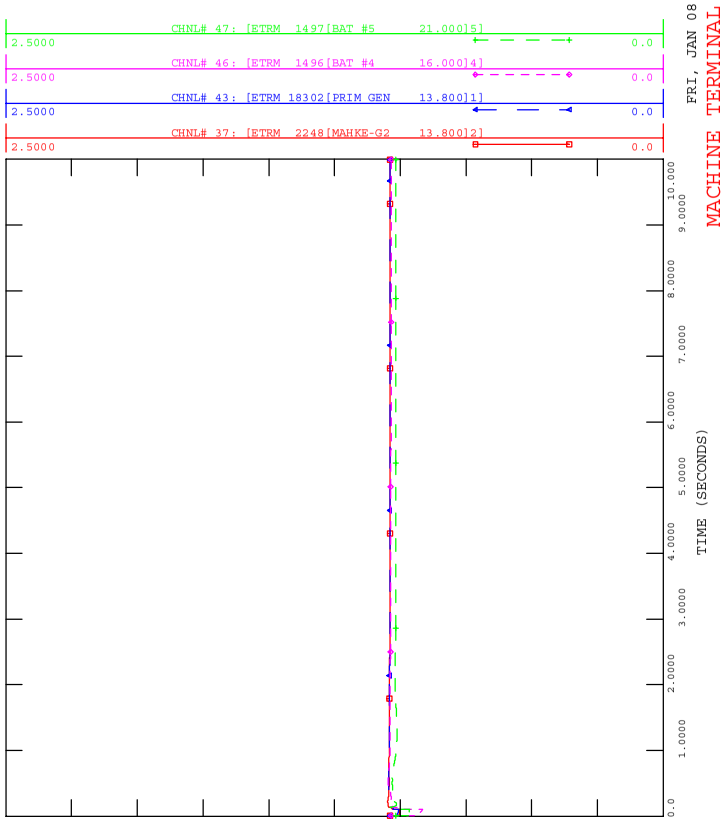


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

MACHINE TERMINAL VOLTAGE

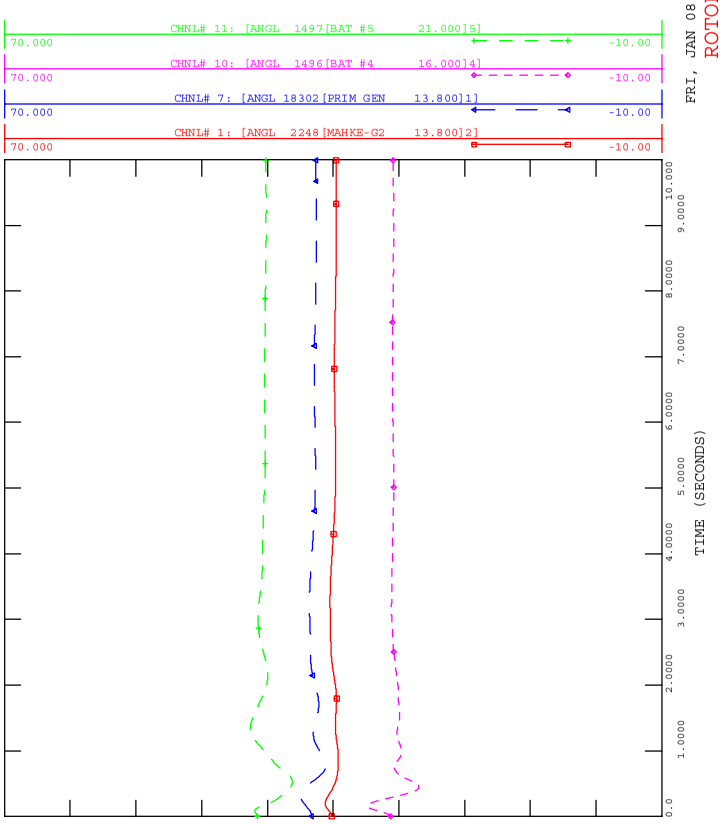


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

ROTOR ANGLES

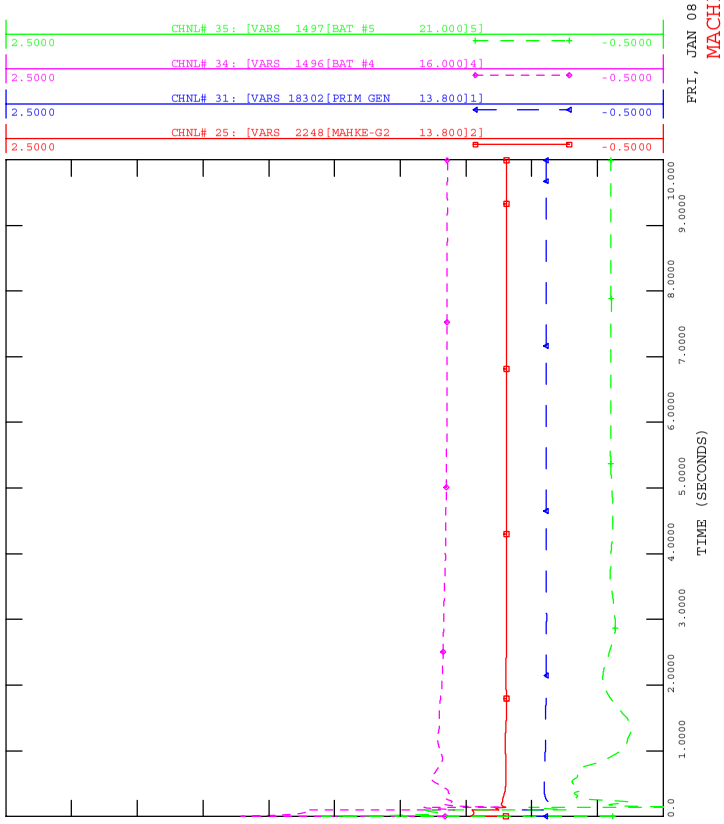


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 145: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

240 KV BUS VOLTAGES

CHNL# 244: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 241: [VOLT 273 [NILREM 4 240.00]]
CHNL# 216: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

SOUTH BUS VOLTAGES

CHNL# 239: [VOLT 219 [KILLARN7 138.00]]
CHNL# 234: [VOLT 74 [METIS647 138.00]]
CHNL# 178: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 210: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 263: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

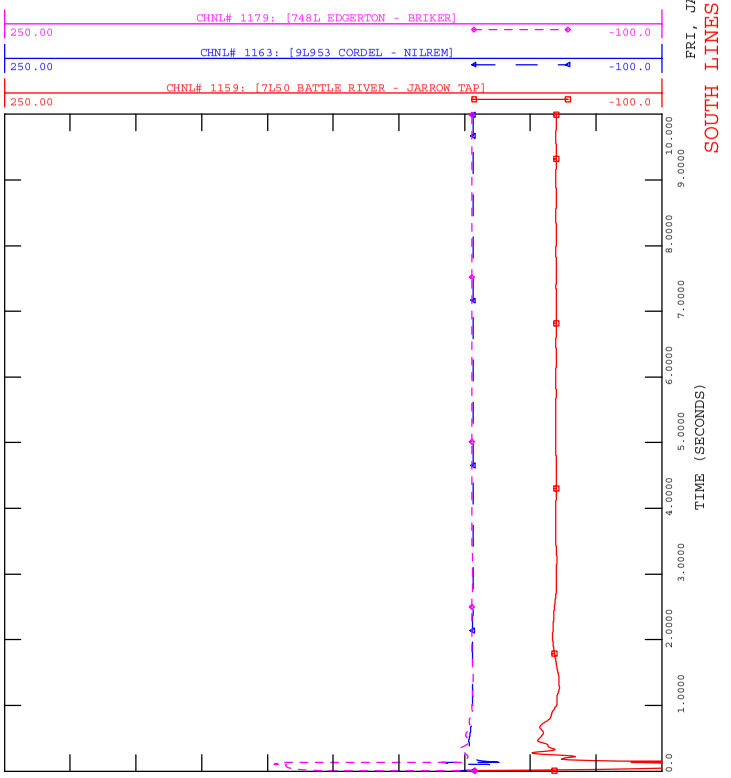
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CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

SOUTH LINES POWER FLOW

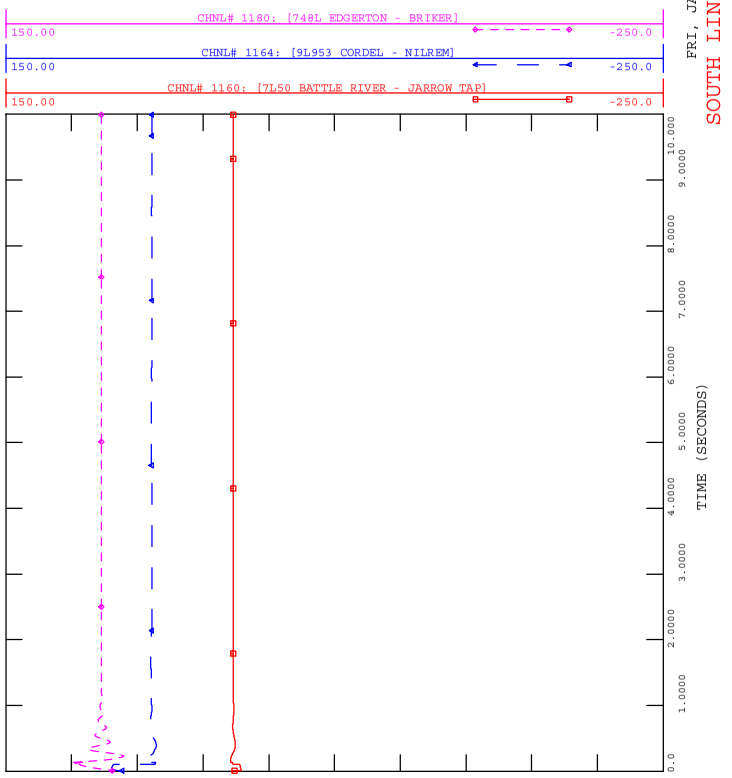


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

SOUTH LINES VAR FLOW

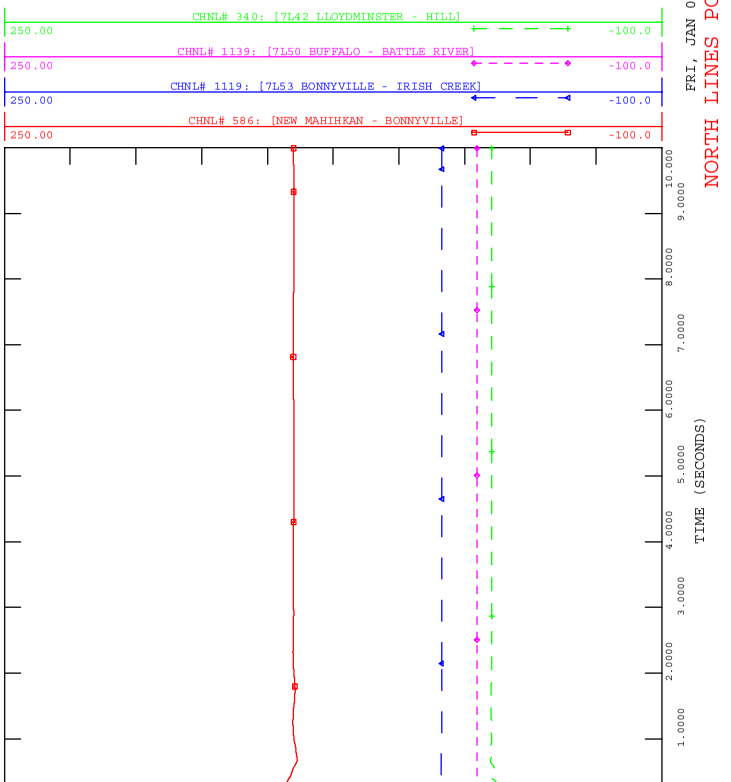


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

FRI, JAN 08 2010 17:43

NORTH LINES POWER FLOW

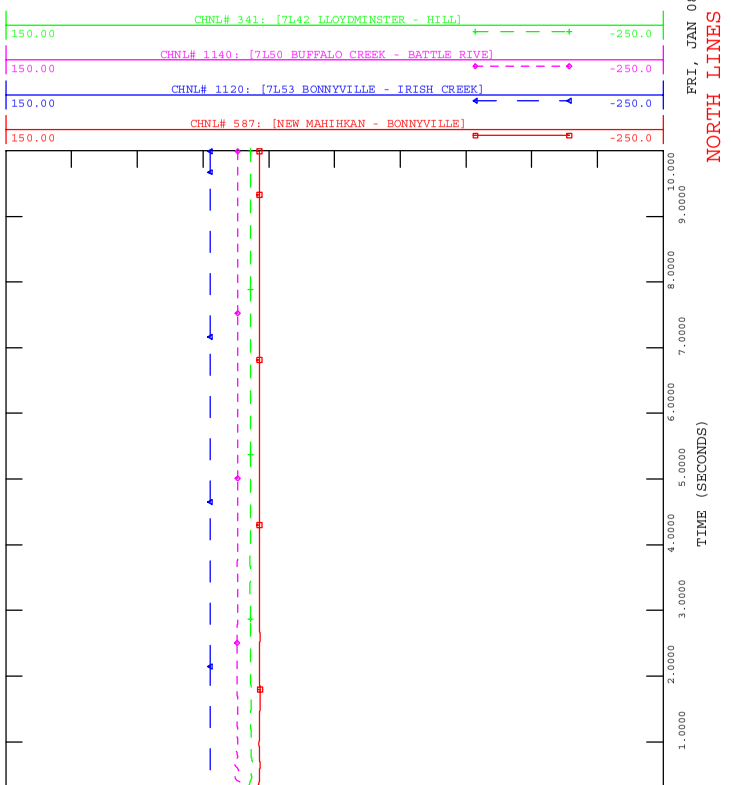


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

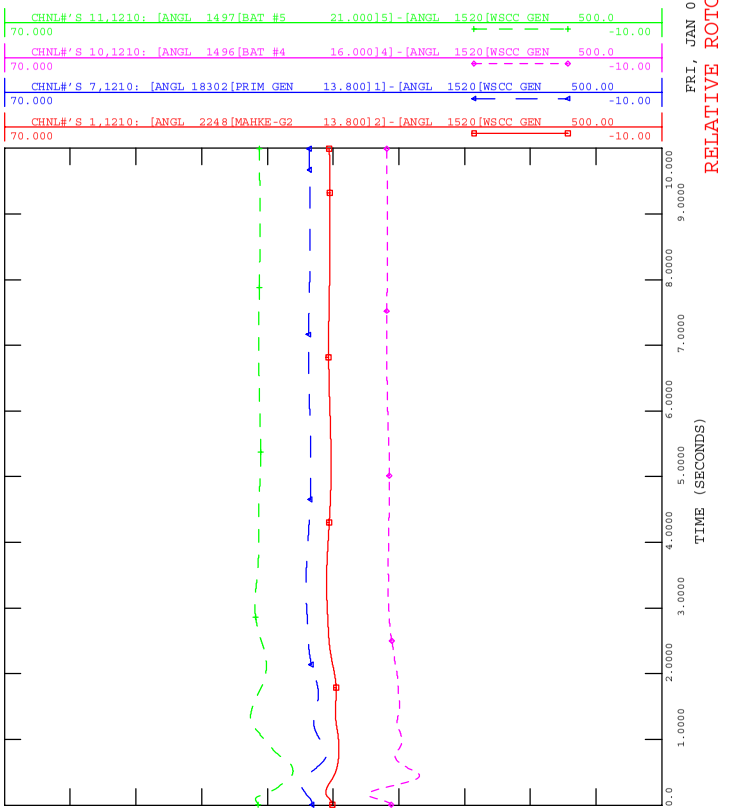
FRI, JAN 08 2010 17:43

NORTH LINES VAR FLOW



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

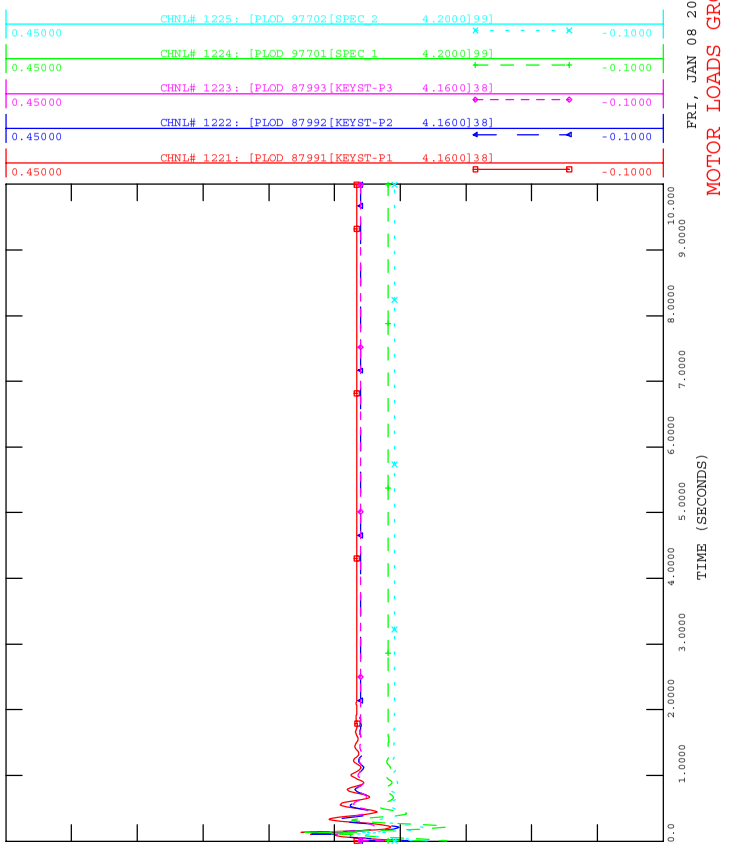


FRI, JAN 08 2010 17:43

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

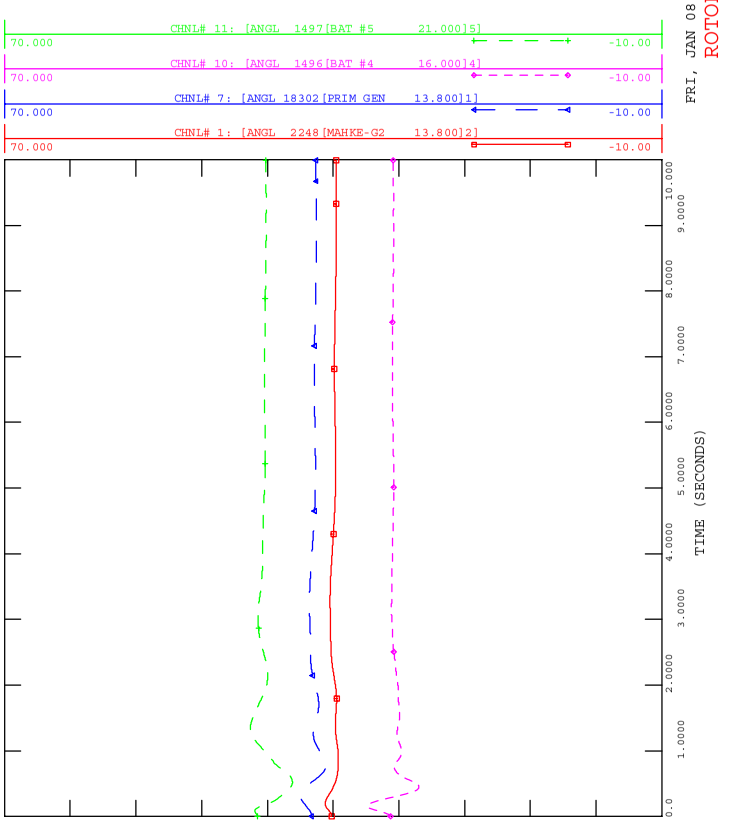


FRI, JAN 08 2010 17:43

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out

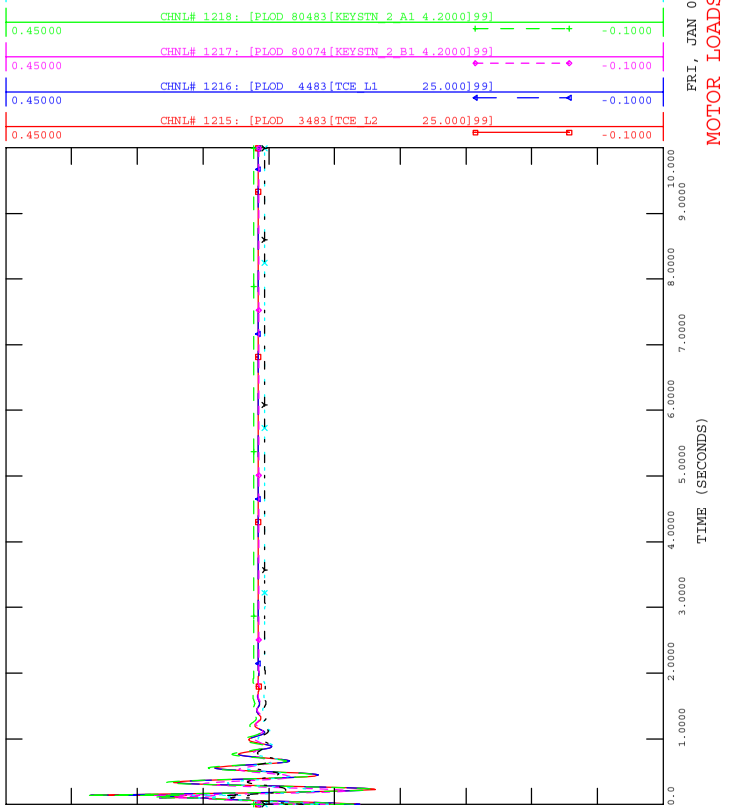


FRI, JAN 08 2010 17:43

ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-8fault.out



FRI, JAN 08 2010 17:43

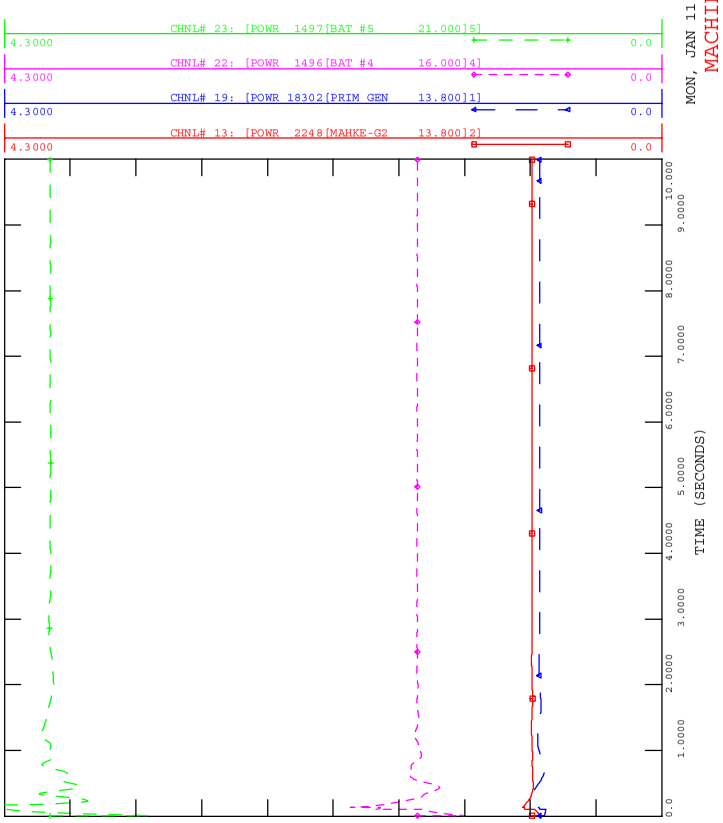
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-9fault.out

MON, JAN 11 2010 8:15

MACHINE POWER

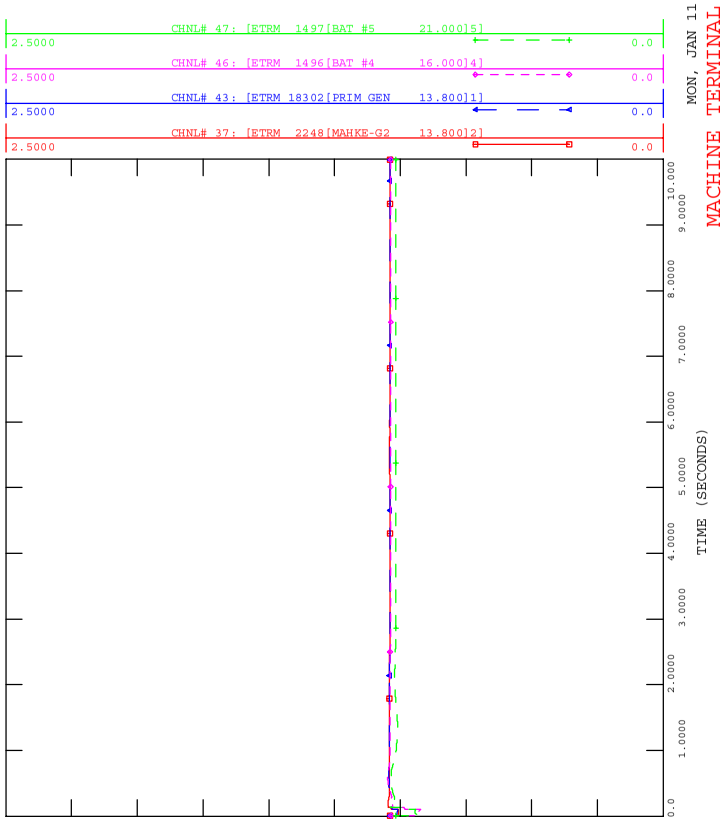


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:15

MACHINE TERMINAL VOLTAGE

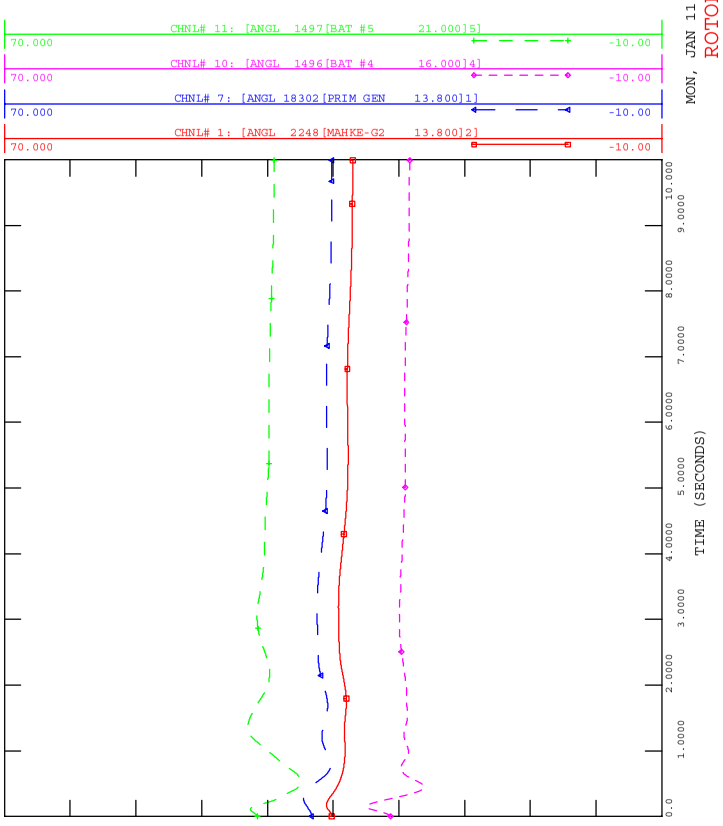


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:15

ROTOR ANGLES

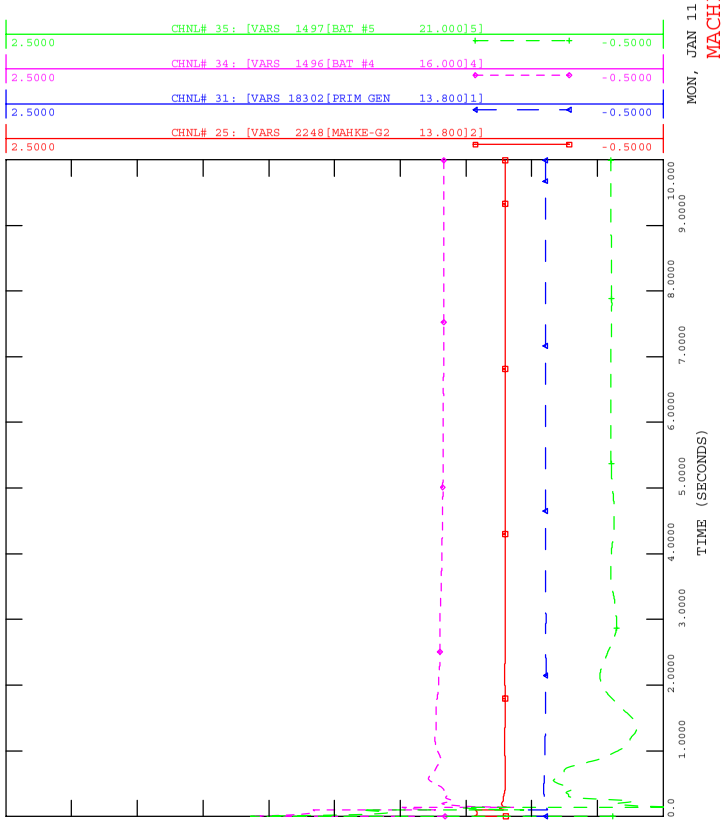


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:15

MACHINE VARS

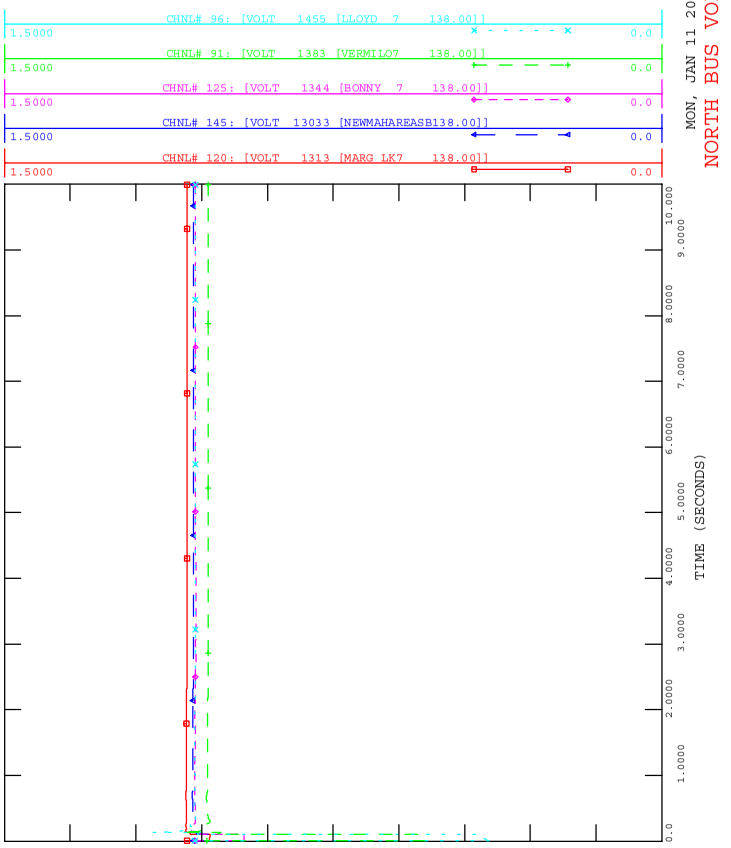


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-9fault.out

MON, JAN 11 2010 8:15

NORTH BUS VOLTAGES

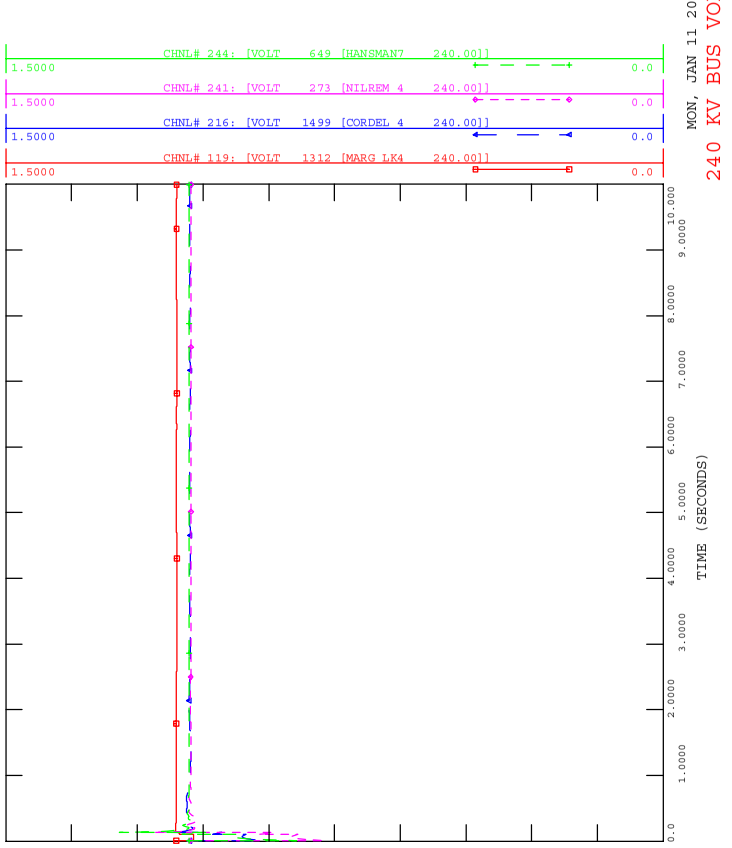


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-9fault.out

MON, JAN 11 2010 8:15

240 KV BUS VOLTAGES

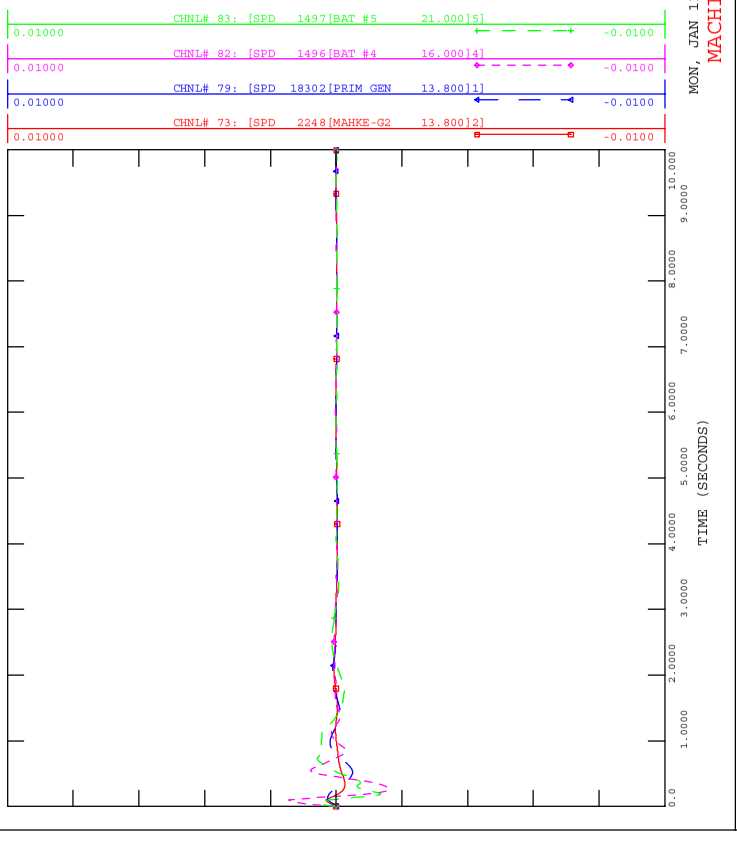


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:15

MACHINE SPEED

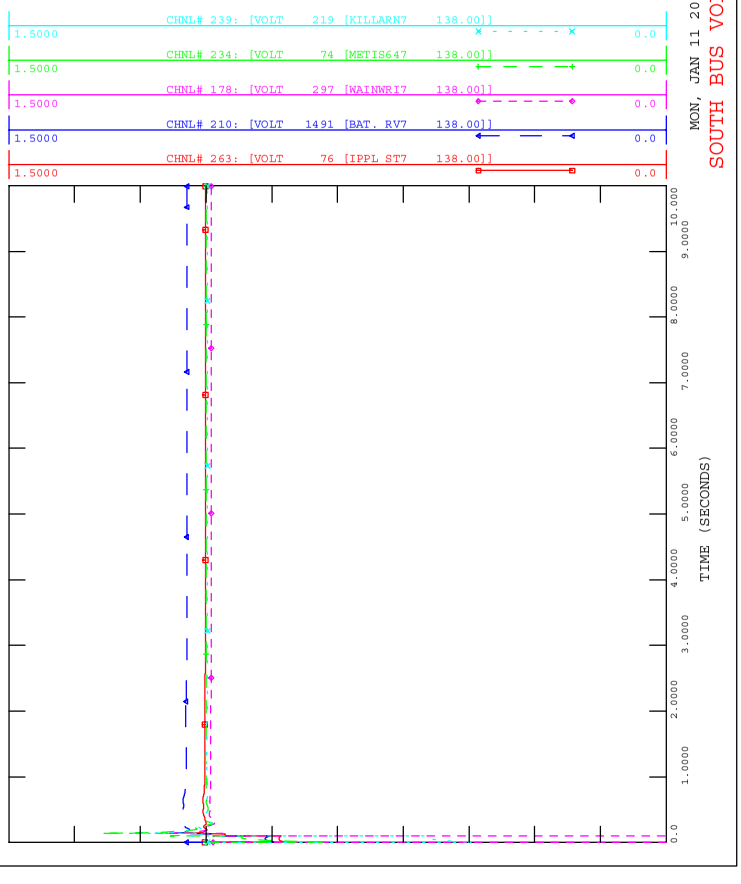


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:15

SOUTH BUS VOLTAGES

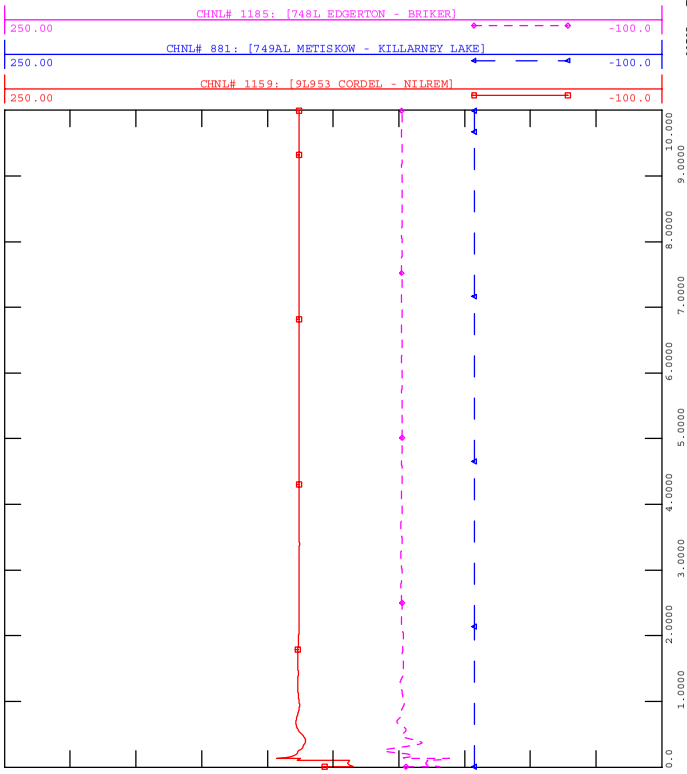


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:16

SOUTH LINES POWER FLOW

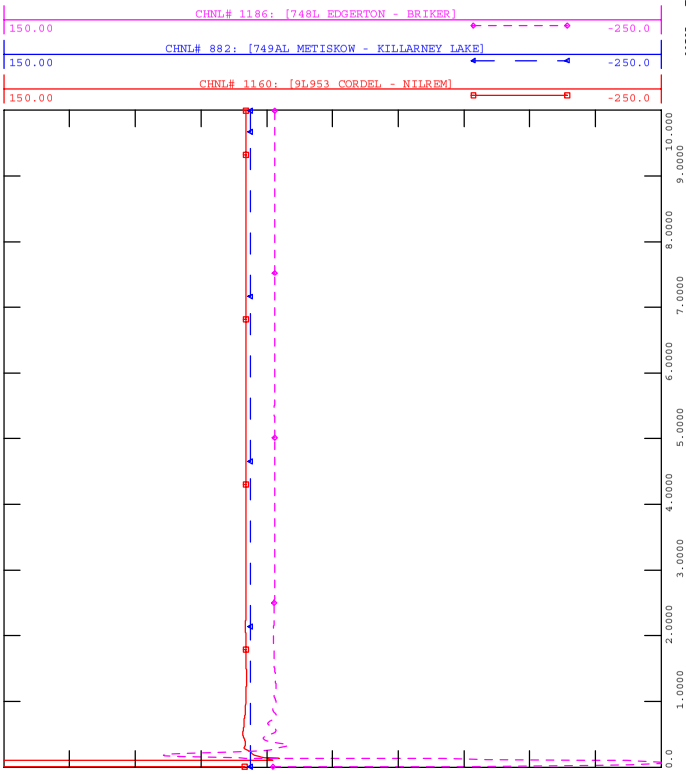


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-9fault.out

MON, JAN 11 2010 8:16

SOUTH LINES VAR FLOW

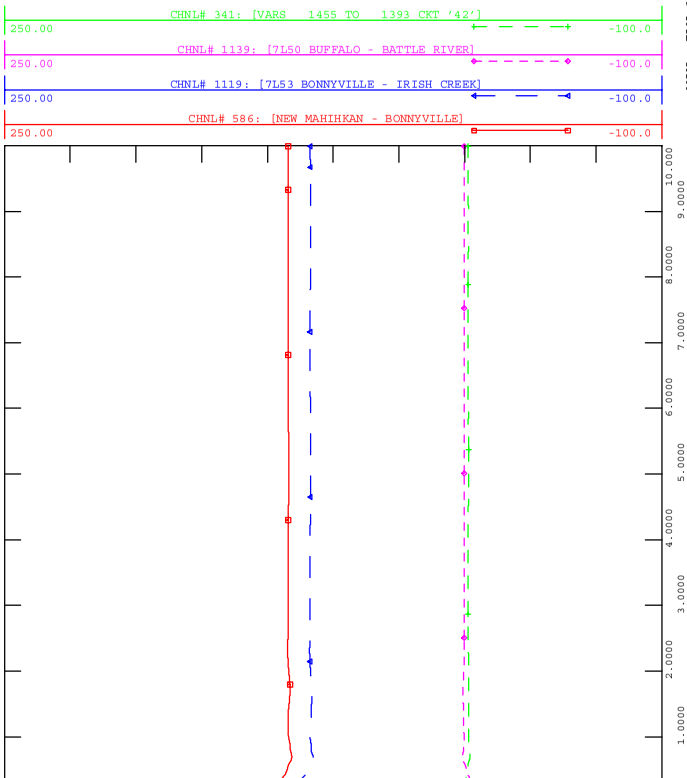


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:15

NORTH LINES POWER FLOW

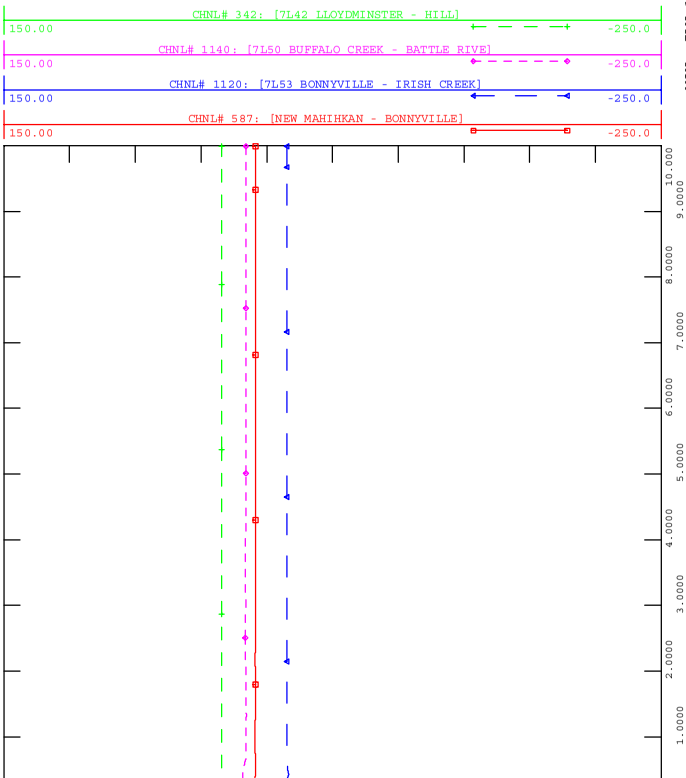


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:16

NORTH LINES VAR FLOW

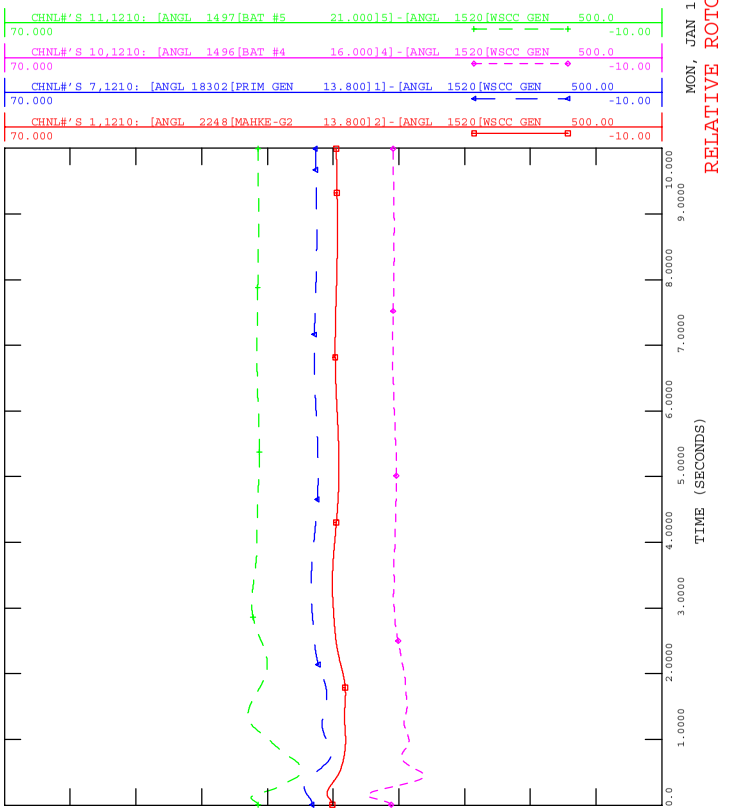


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:16

RELATIVE ROTOR ANGLES

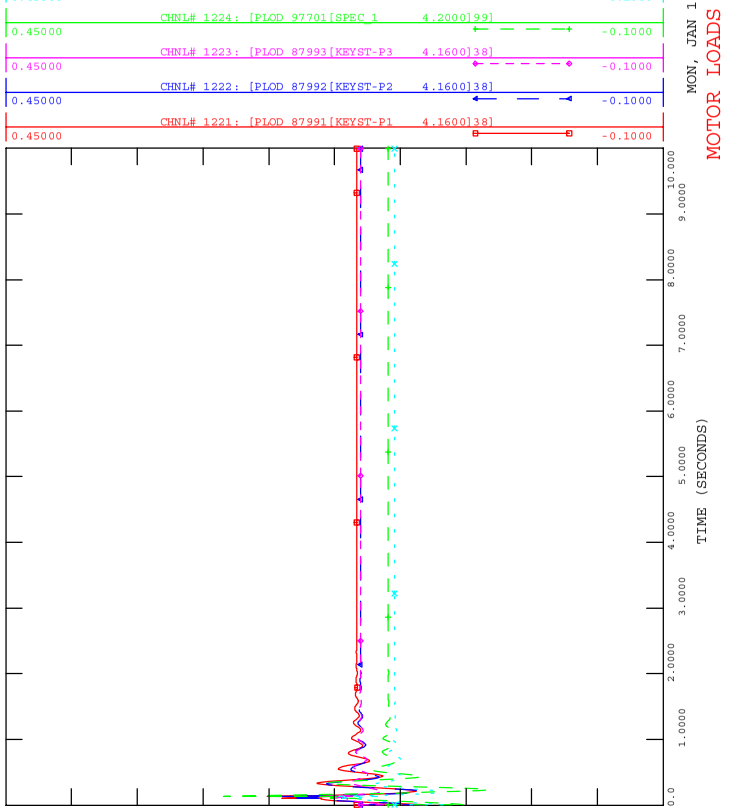


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:16

MOTOR LOADS GROUP II

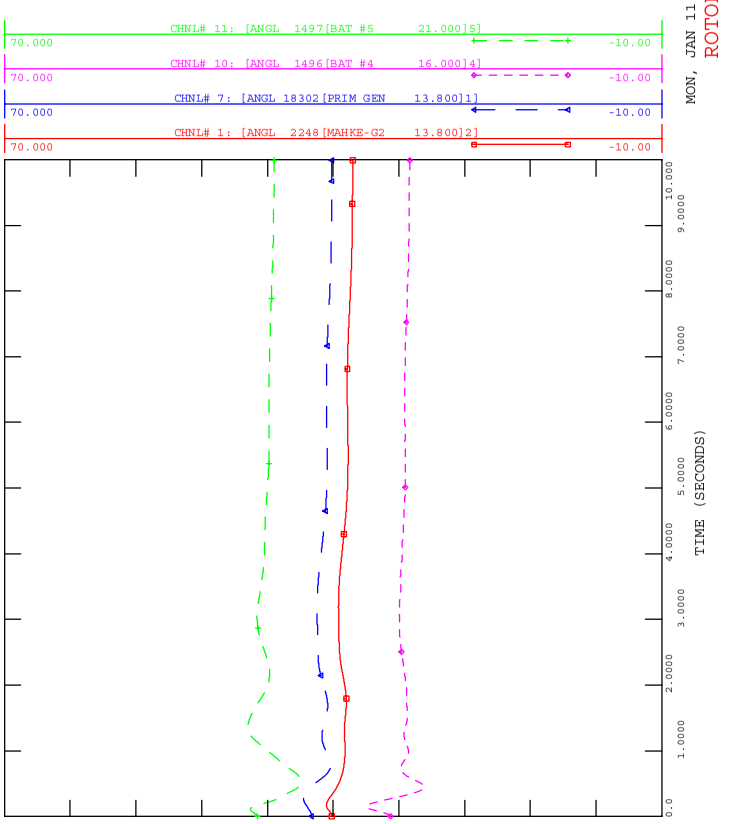


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:16

ROTOR ANGLES

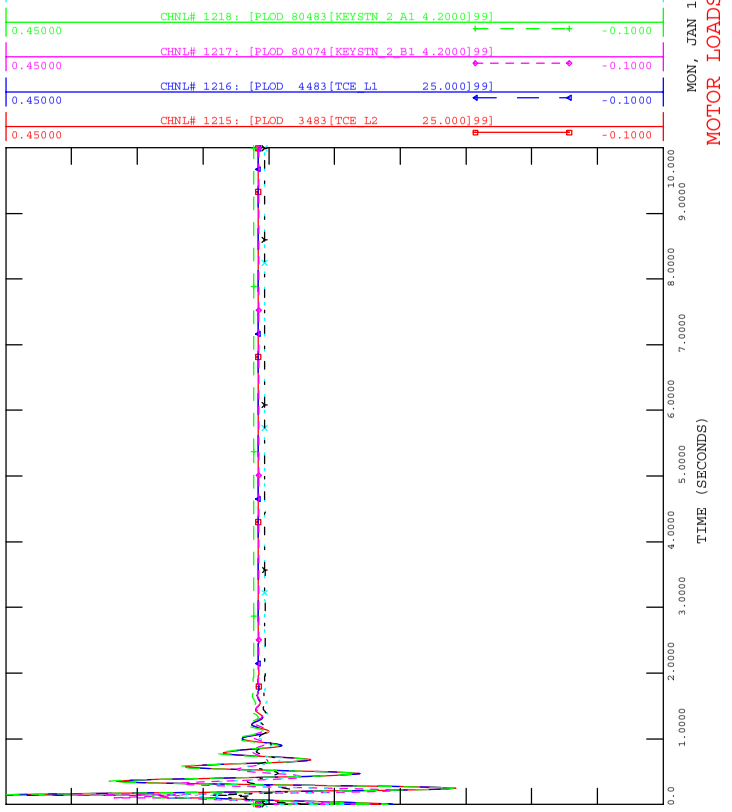


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MOTOR LOADS GROUP I

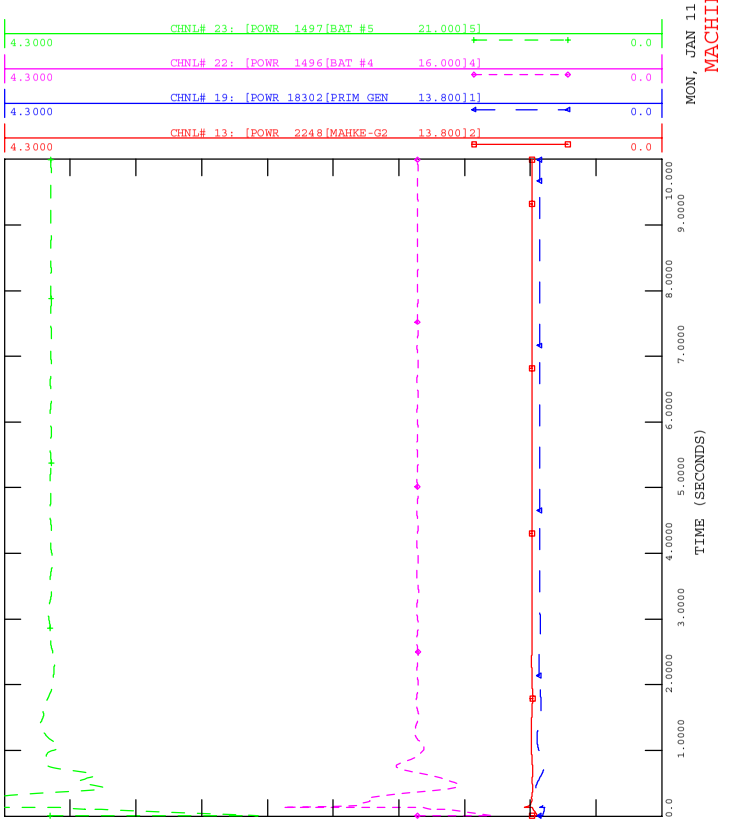


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

MON, JAN 11 2010 15:49

MACHINE POWER

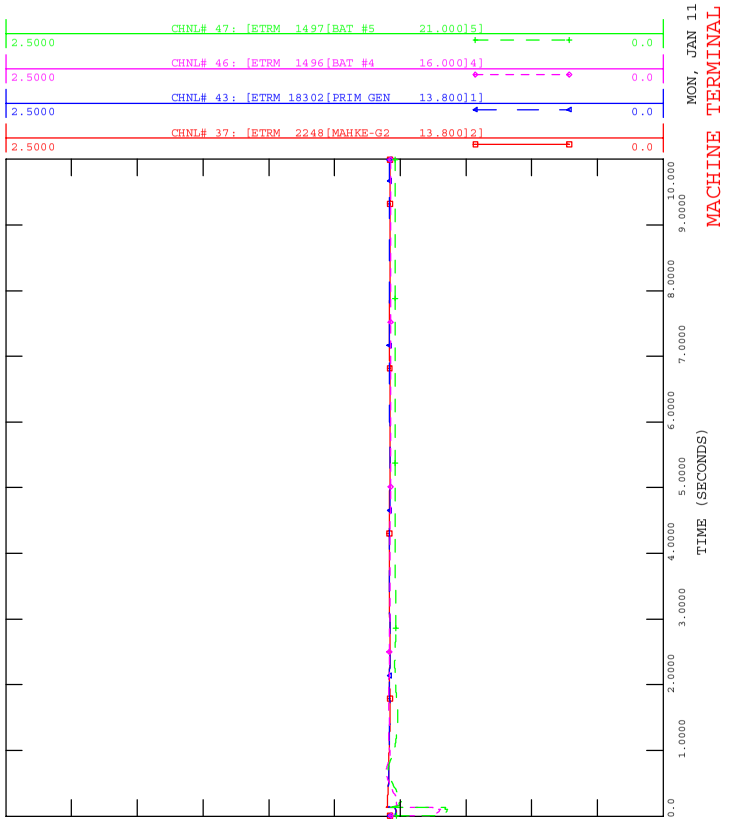


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 15:50

MACHINE TERMINAL VOLTAGE

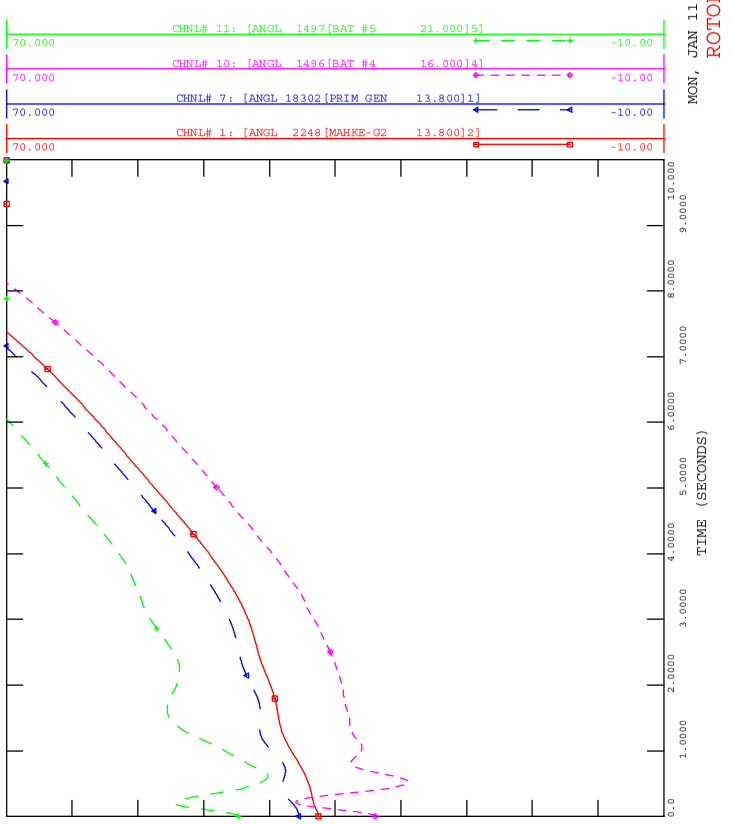


CENTRAL AREA STUDY
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ROTOR ANGLES

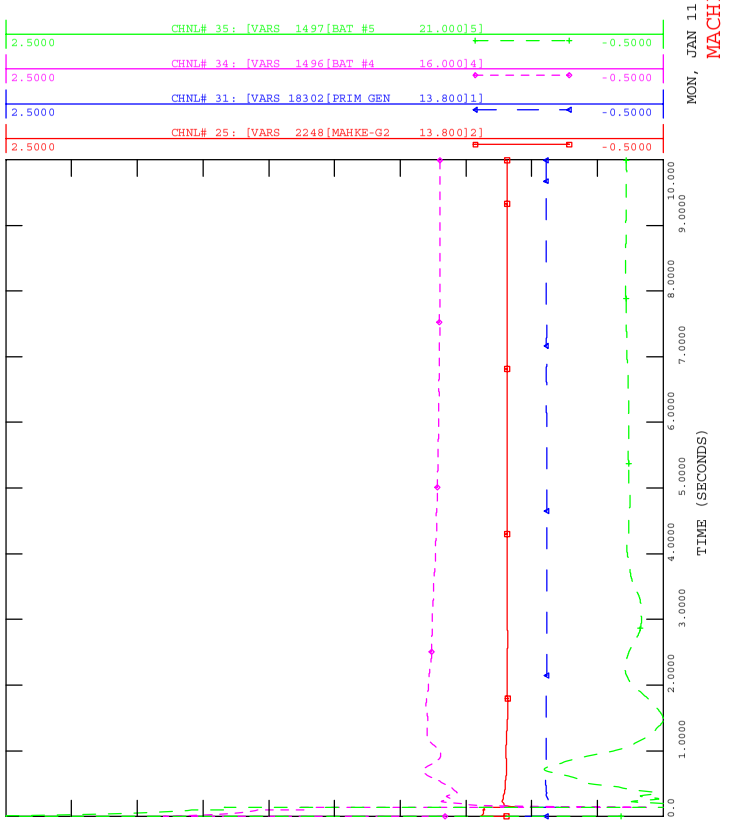


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 15:50

MACHINE VARS

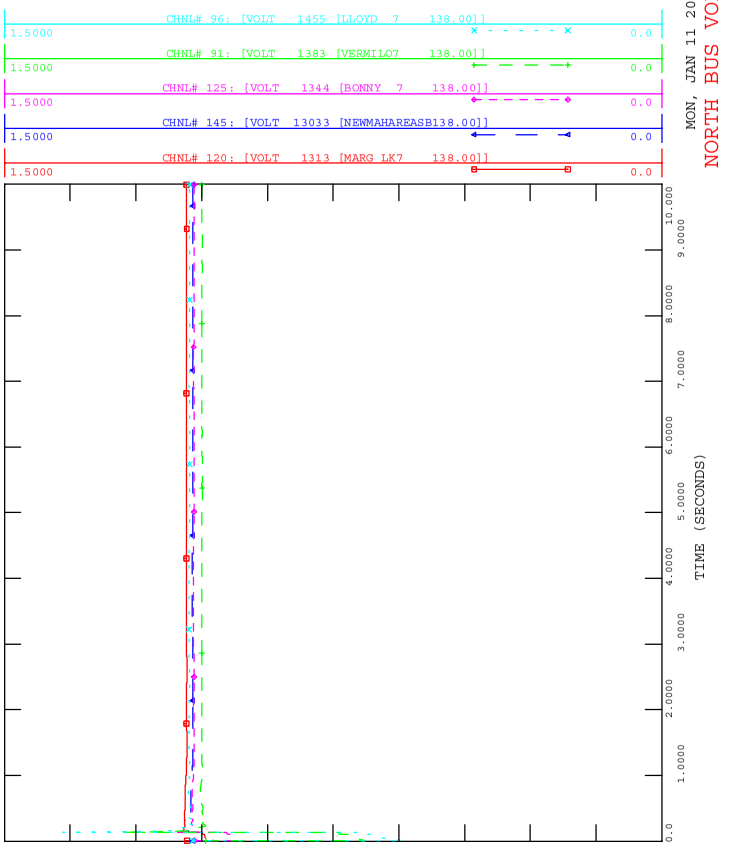


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

MON, JAN 11 2010 15:50

NORTH BUS VOLTAGES

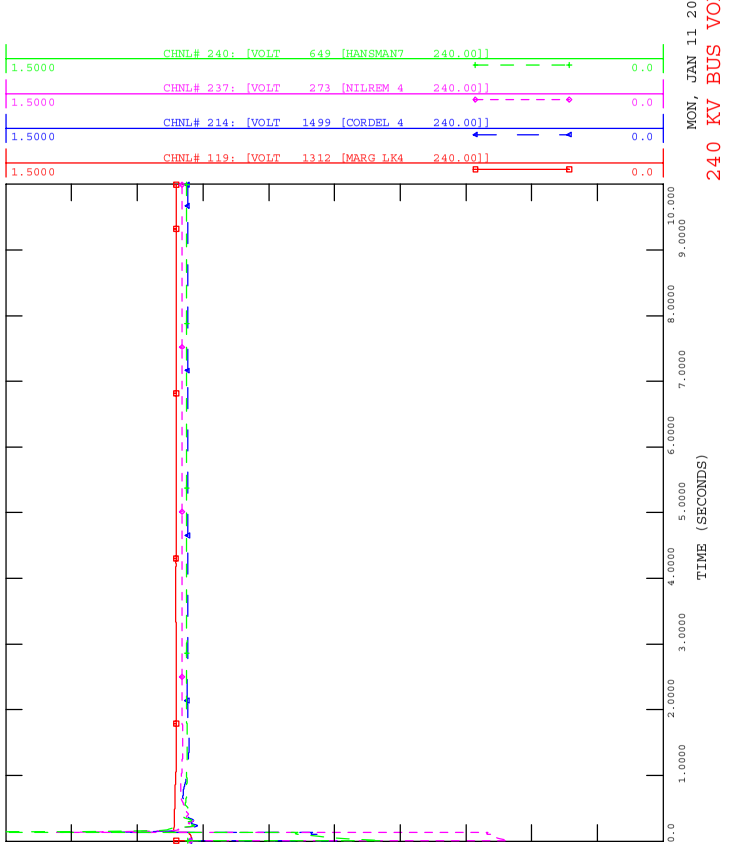


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 15:50

240 KV BUS VOLTAGES

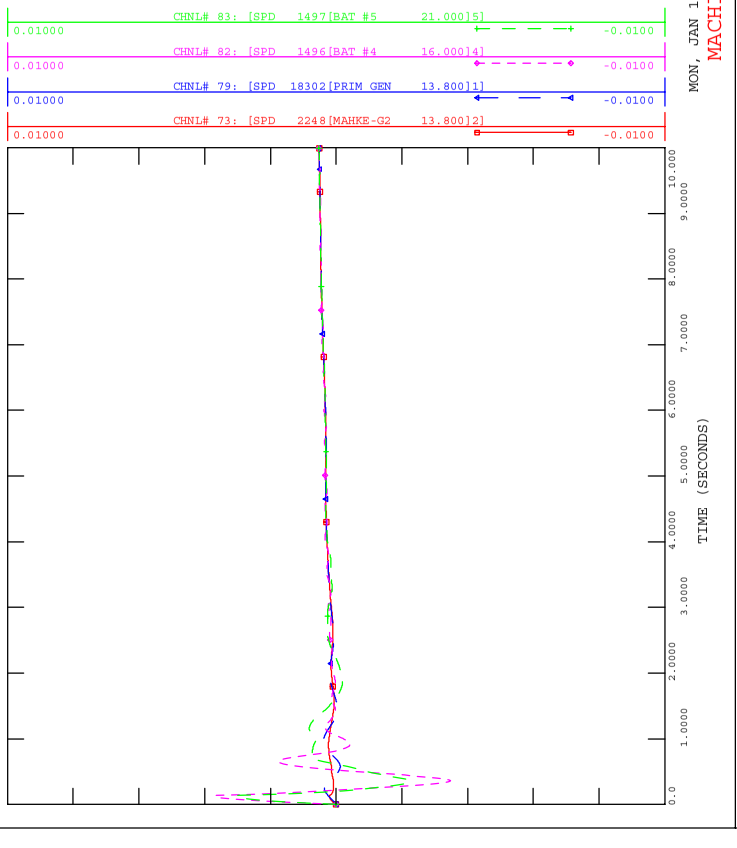


CENTRAL AREA STUDY
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MON, JAN 11 2010 15:50

MACHINE SPEED

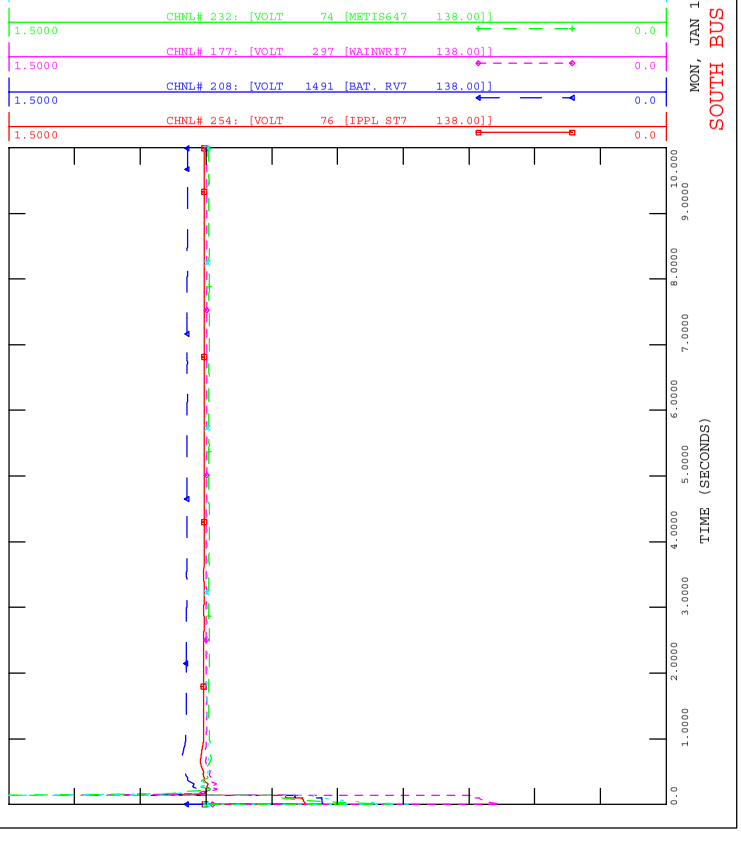


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

MON, JAN 11 2010 15:50

SOUTH BUS VOLTAGES



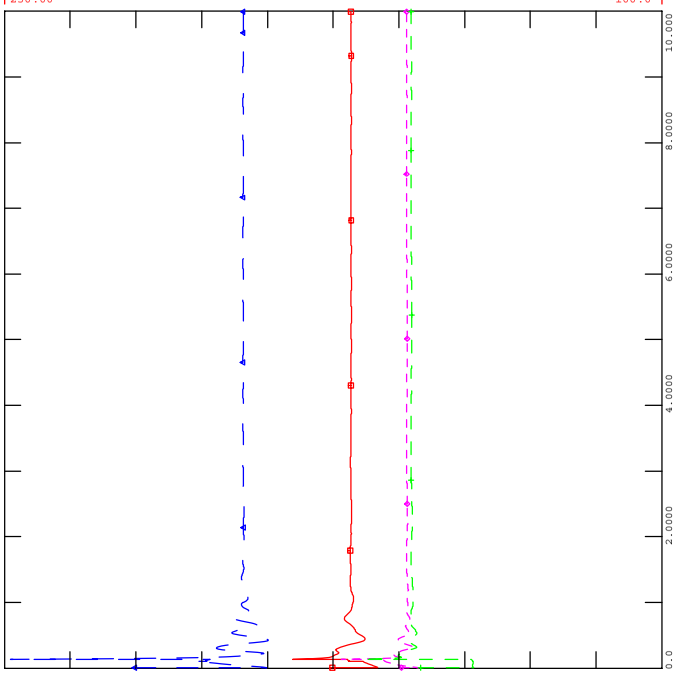
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

MON, JAN 11 2010 15:50

SOUTH LINES POWER FLOW

CHNL# 1175: [748L EDGERTON - BRIKER]
CHNL# 881: [749AL METISKOW - KILARNEY LAKE]
CHNL# 1159: [9L953 CORDEL - NILREM]
CHNL# 1155: [7L50 BATTLE RIVER - JARROW TAP]



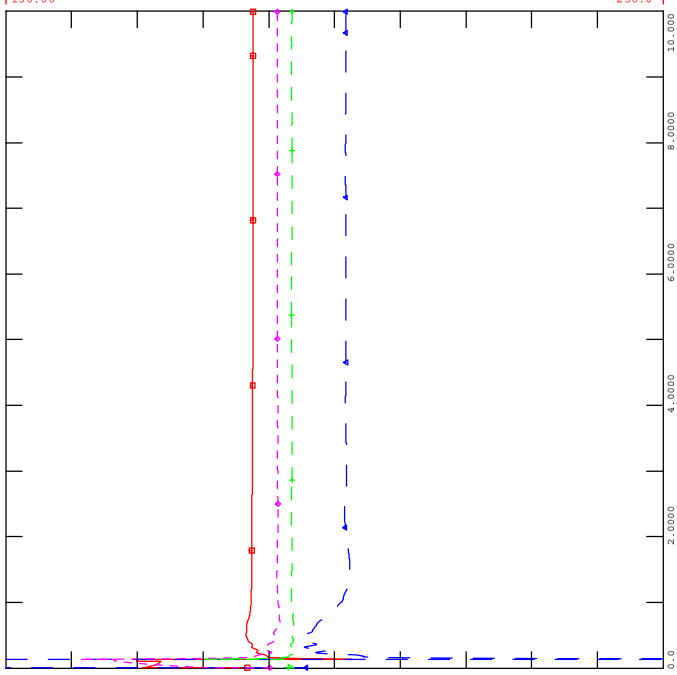
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

MON, JAN 11 2010 15:50

SOUTH LINES VAR FLOW

CHNL# 1176: [748L EDGERTON - BRIKER]
CHNL# 882: [749AL METISKOW - KILARNEY LAKE]
CHNL# 1160: [9L953 CORDEL - NILREM]
CHNL# 1156: [7L50 BATTLE RIVER - JARROW TAP]



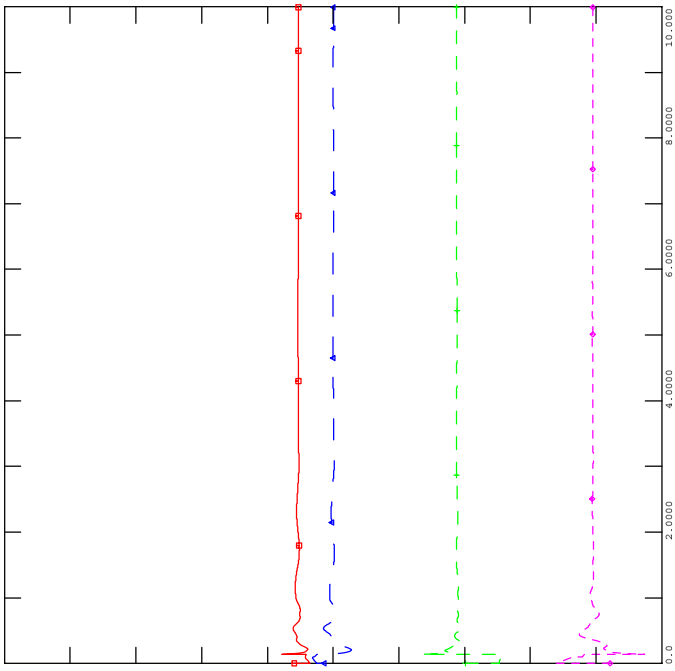
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

MON, JAN 11 2010 15:50

NORTH LINES POWER FLOW

CHNL# 331: [7L42 LLOYDMINSTER - HILL]
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 577: [NEW MAHIHKAN - BONNYVILLE]



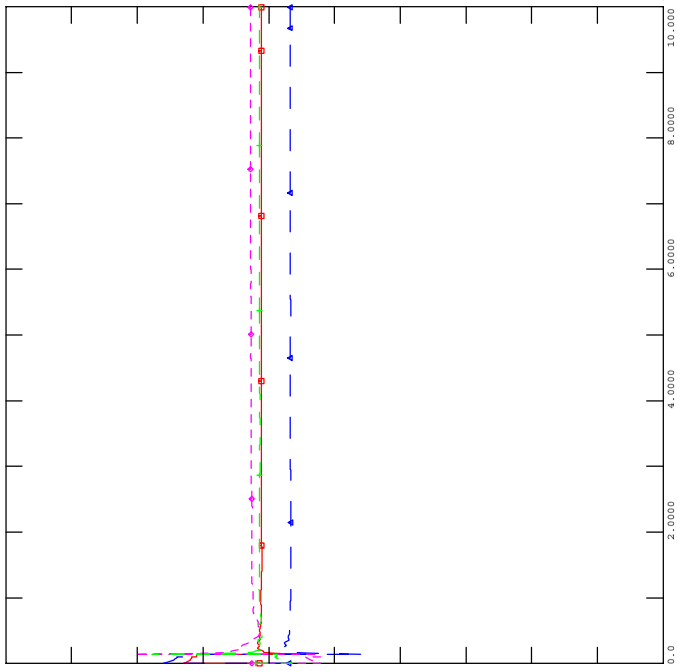
CENTRAL AREA STUDY
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MON, JAN 11 2010 15:50

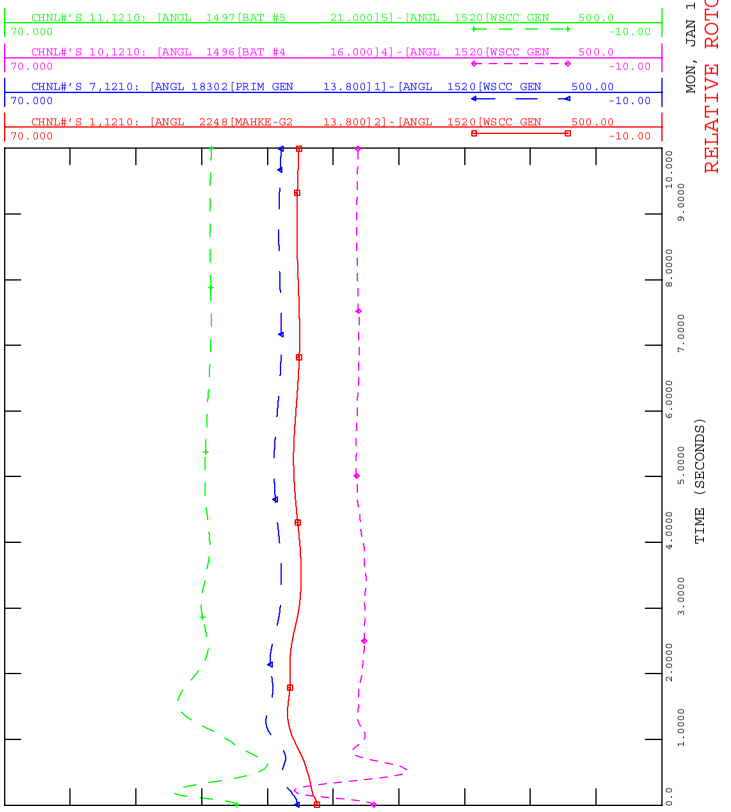
NORTH LINES VAR FLOW

CHNL# 332: [7L42 LLOYDMINSTER - HILL]
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 578: [NEW MAHIHKAN - BONNYVILLE]



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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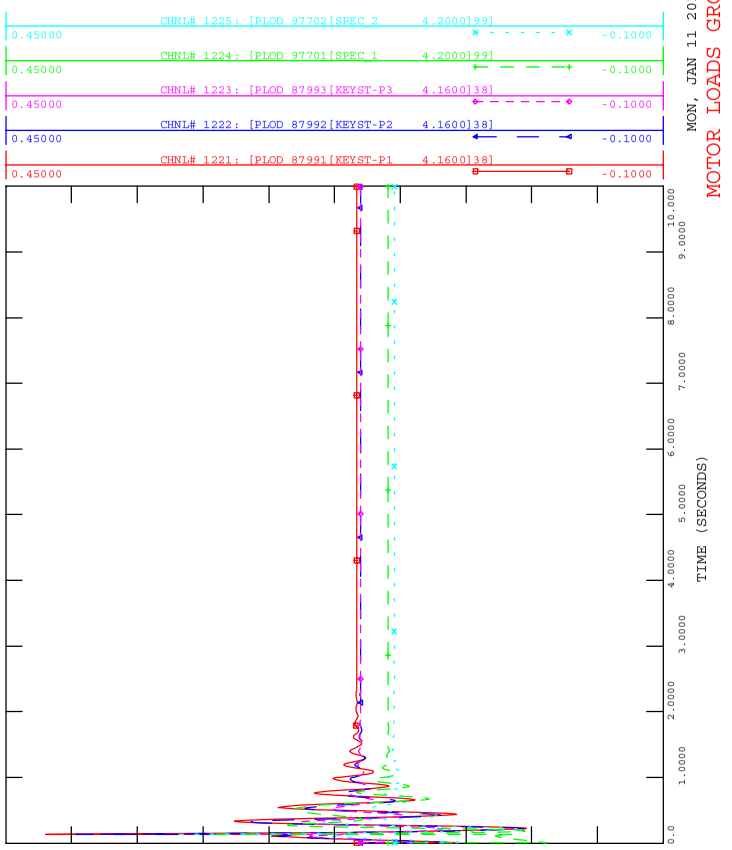


MON, JAN 11 2010 15:50

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

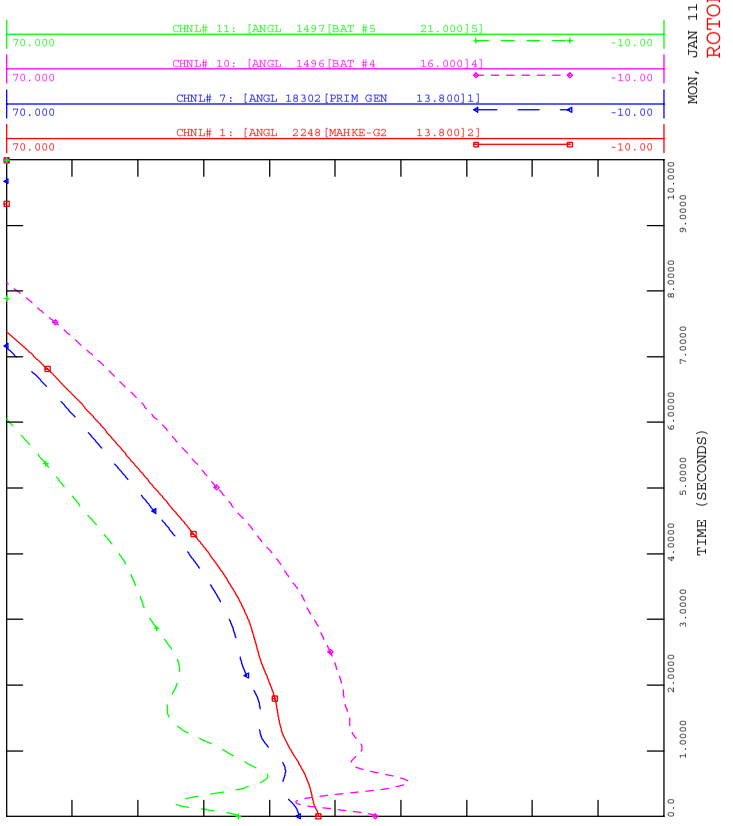


MON, JAN 11 2010 15:50

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out

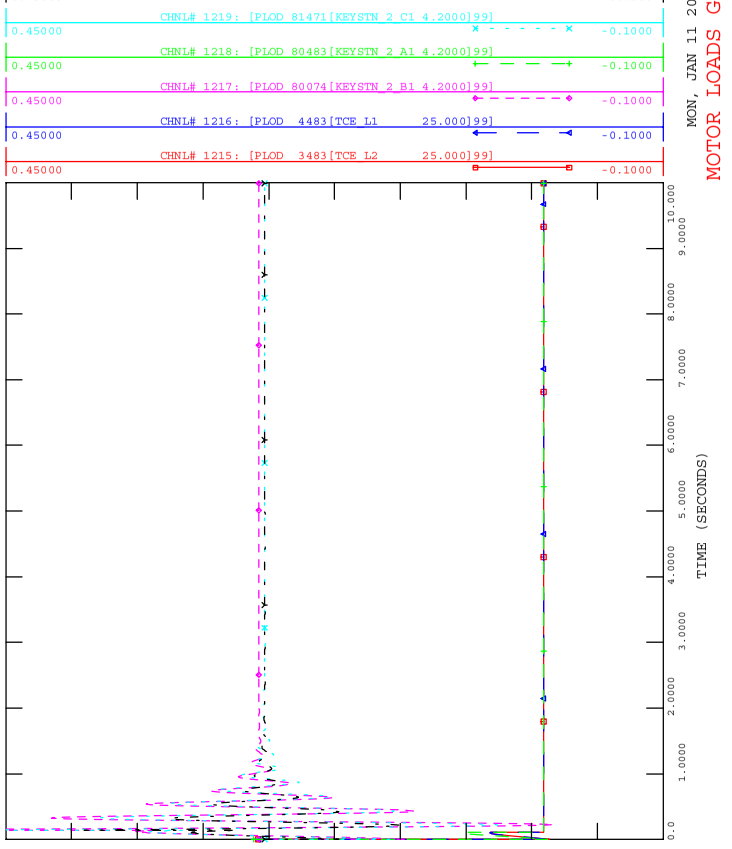


MON, JAN 11 2010 15:50

ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-10fault.out



MON, JAN 11 2010 15:50

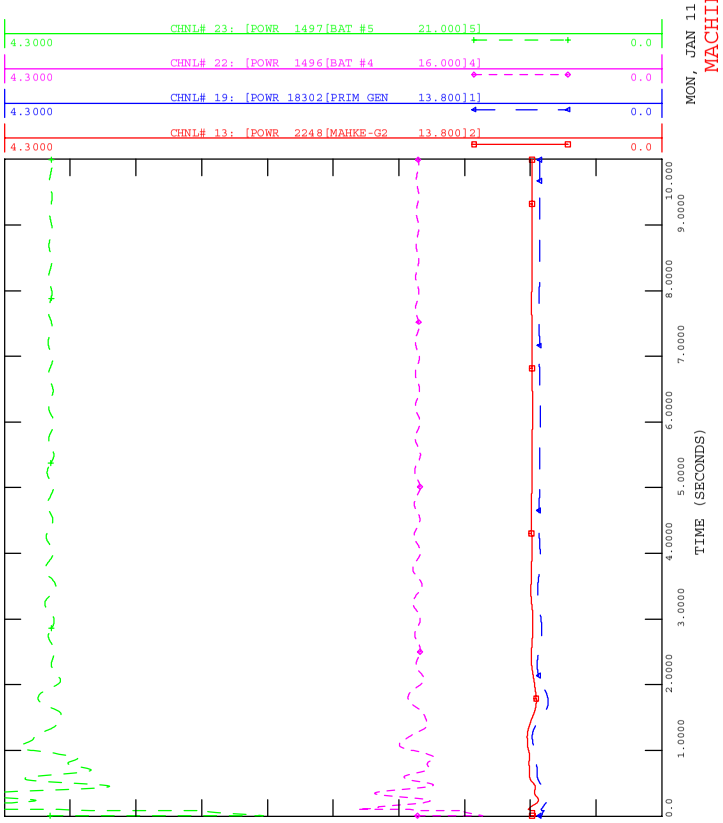
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

MACHINE POWER

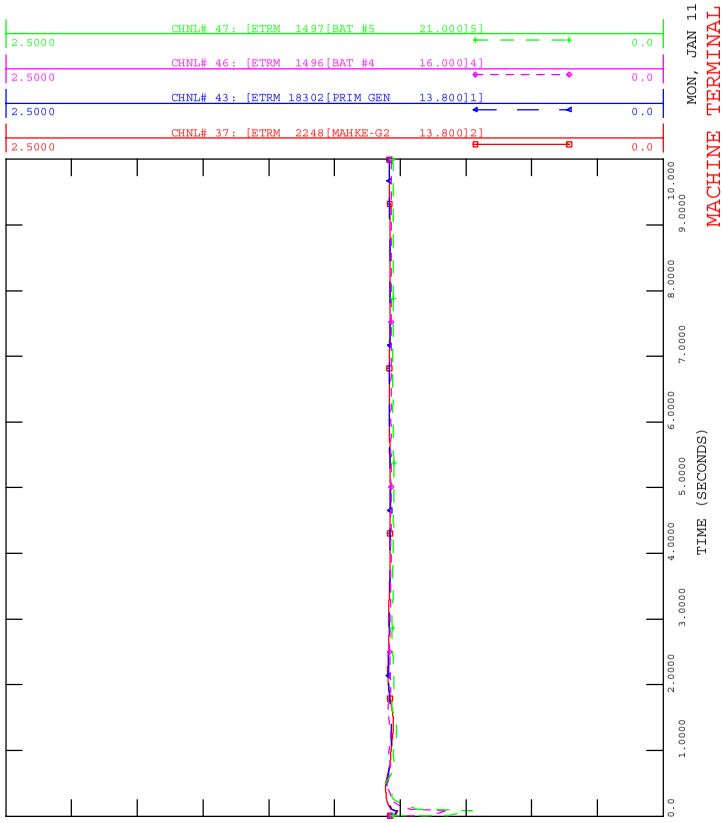


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

MACHINE TERMINAL VOLTAGE

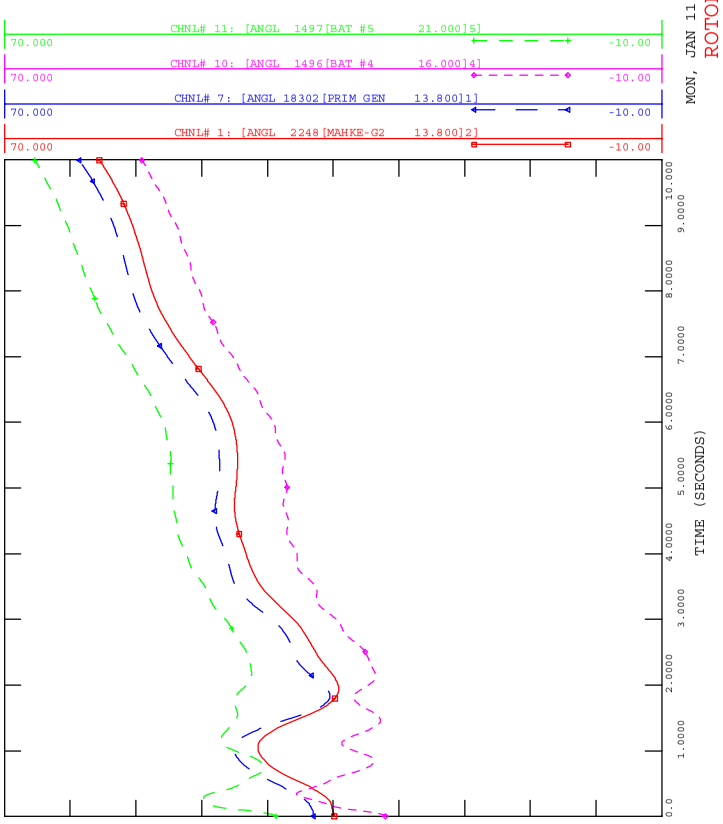


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:16

ROTOR ANGLES

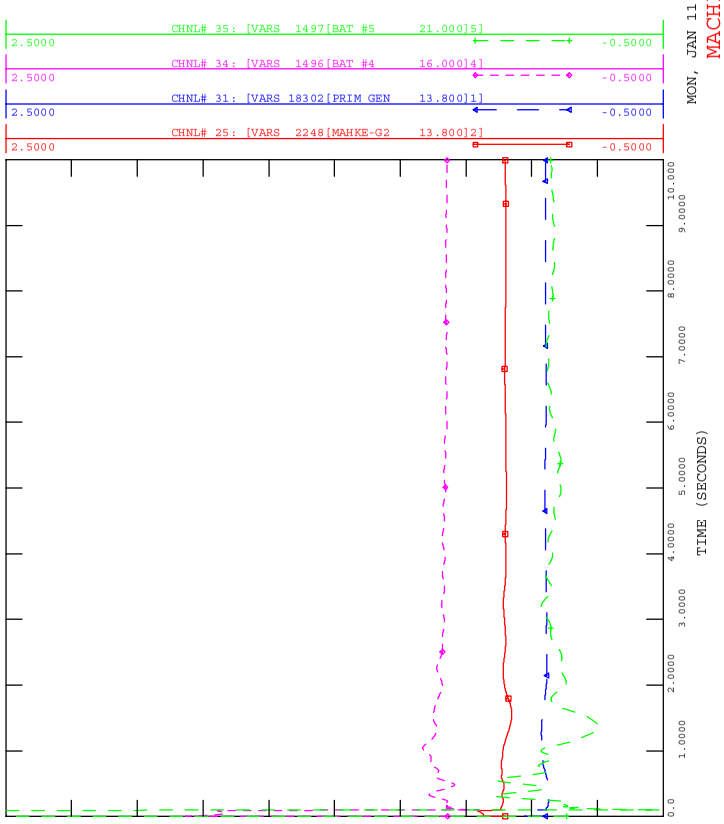


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

MACHINE VARS

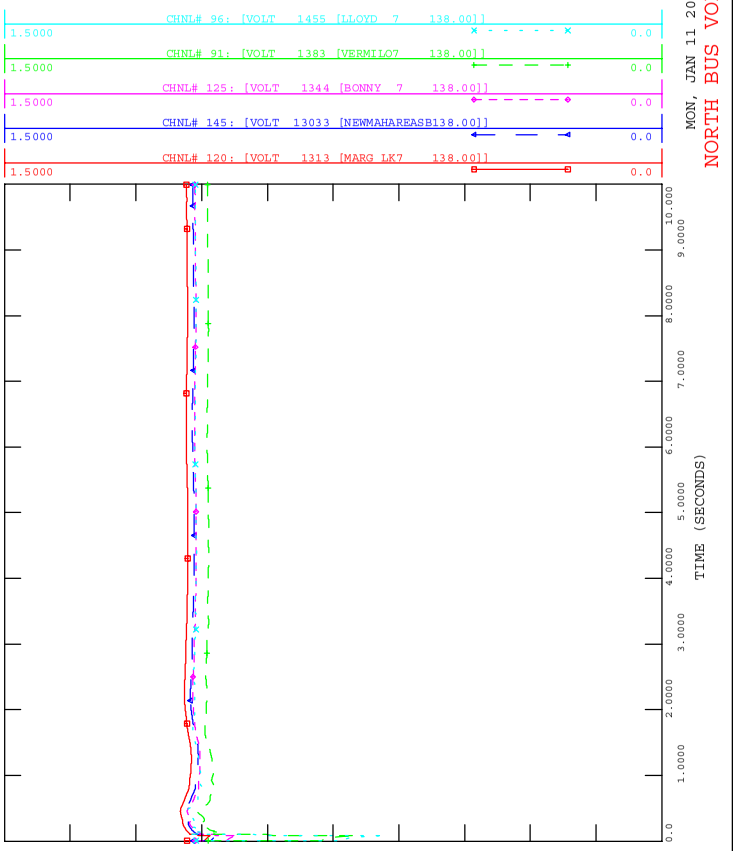


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

NORTH BUS VOLTAGES

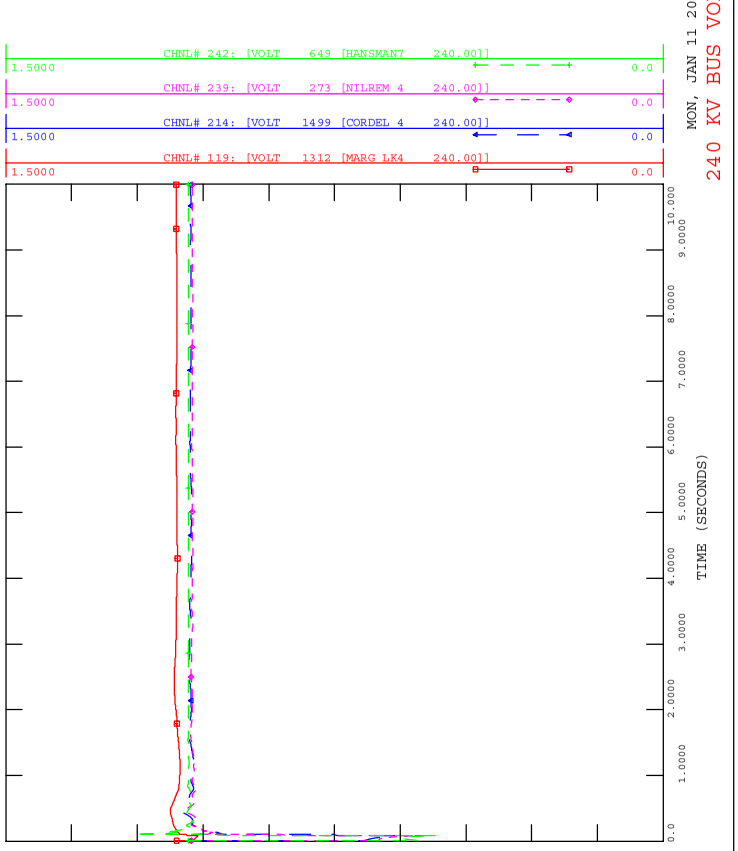


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

240 KV BUS VOLTAGES

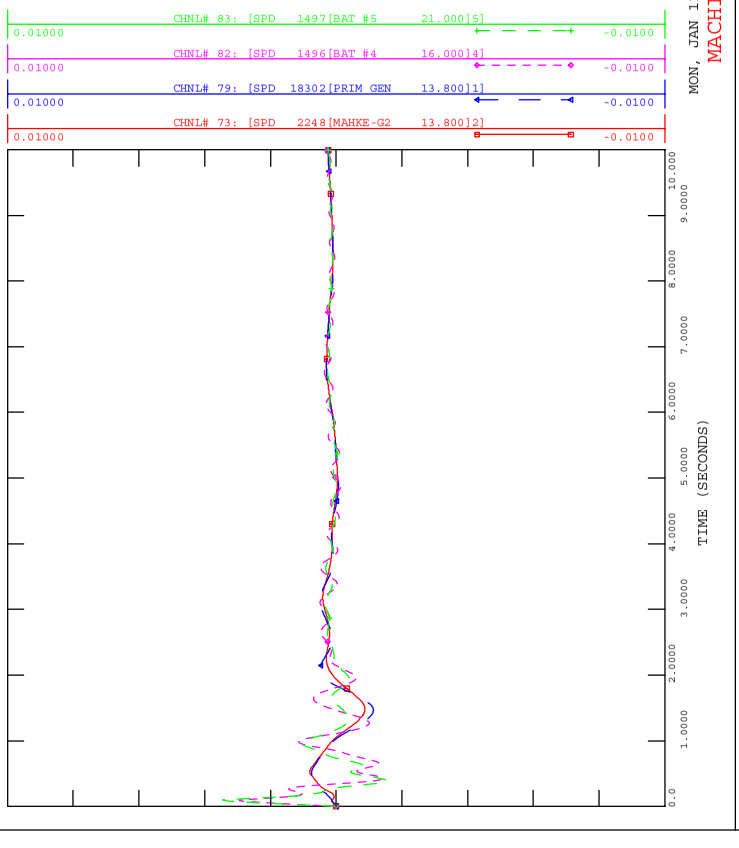


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

MACHINE SPEED

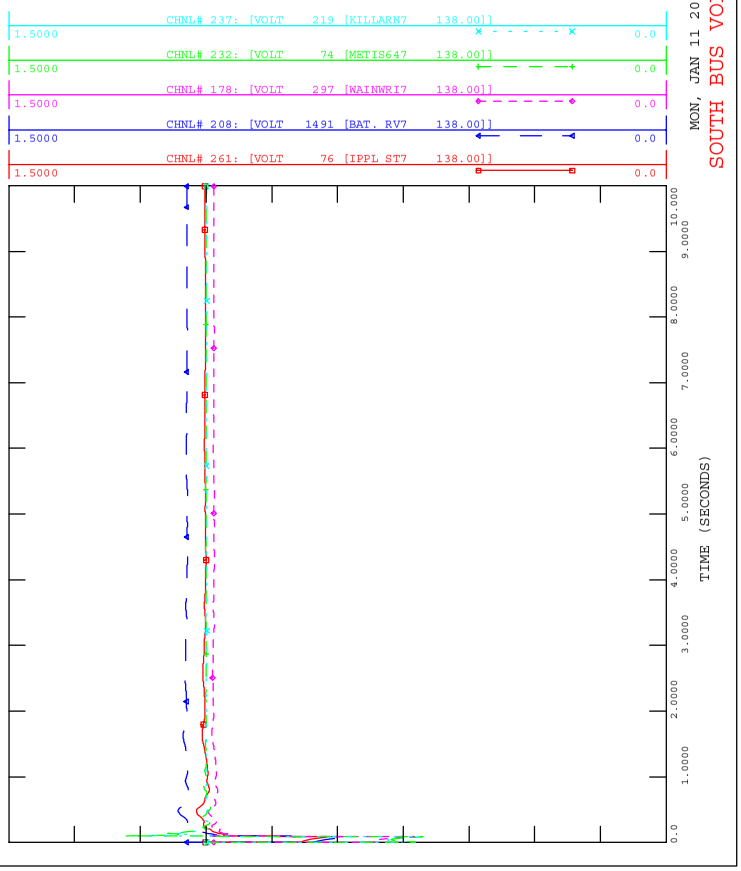


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

SOUTH BUS VOLTAGES

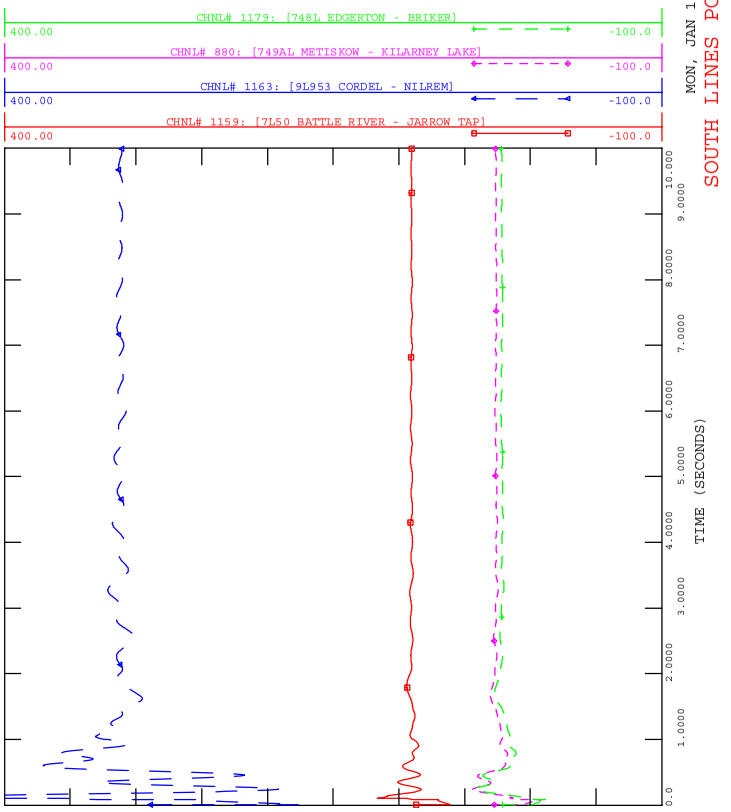


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

SOUTH LINES POWER FLOW

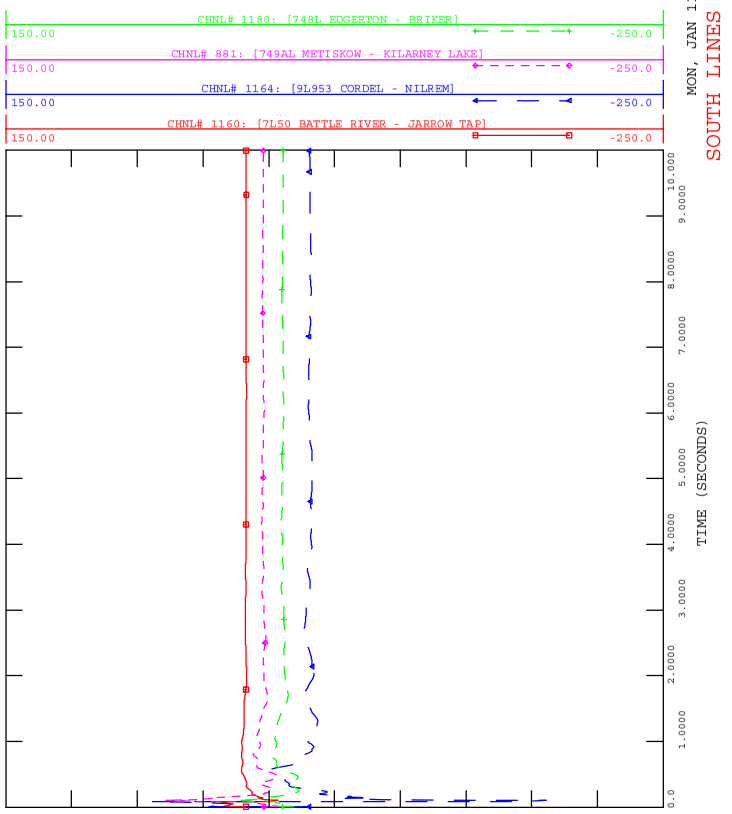


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

SOUTH LINES VAR FLOW

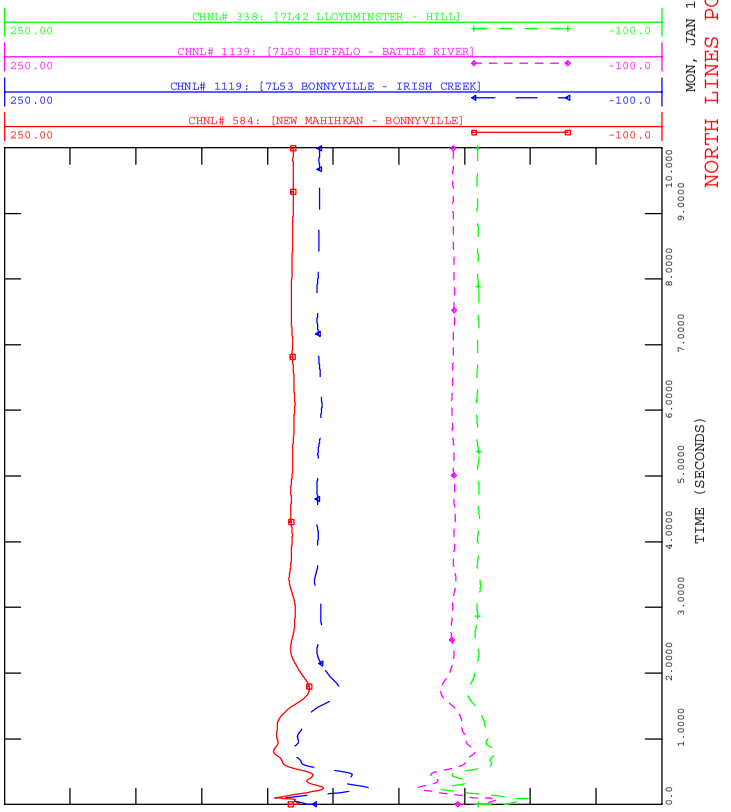


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

NORTH LINES POWER FLOW

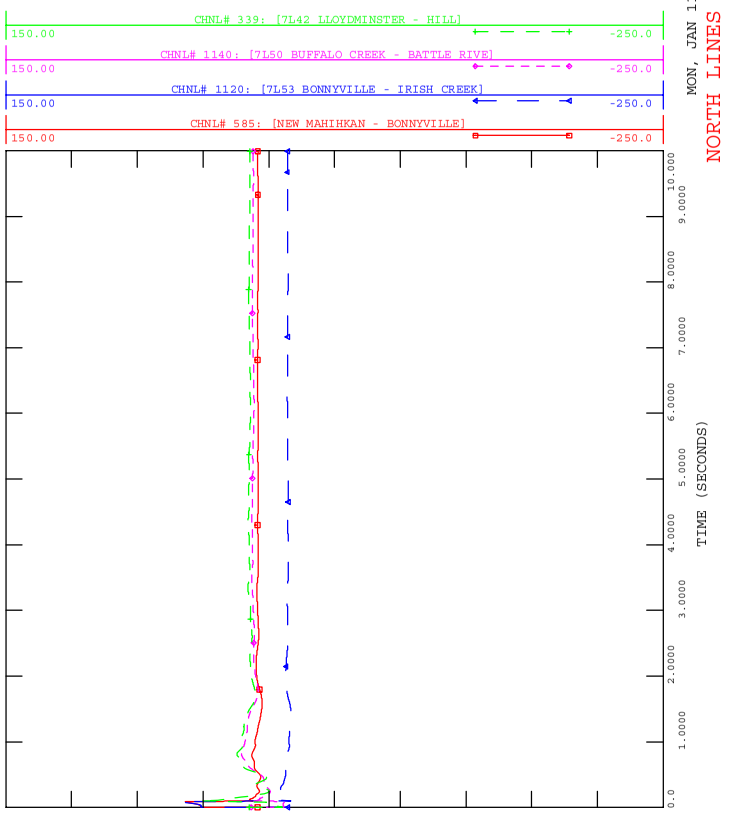


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

NORTH LINES VAR FLOW



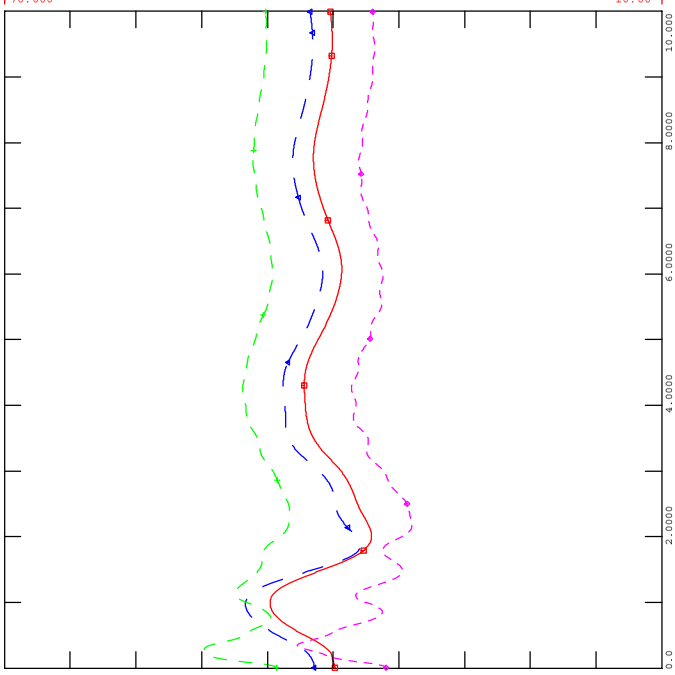
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



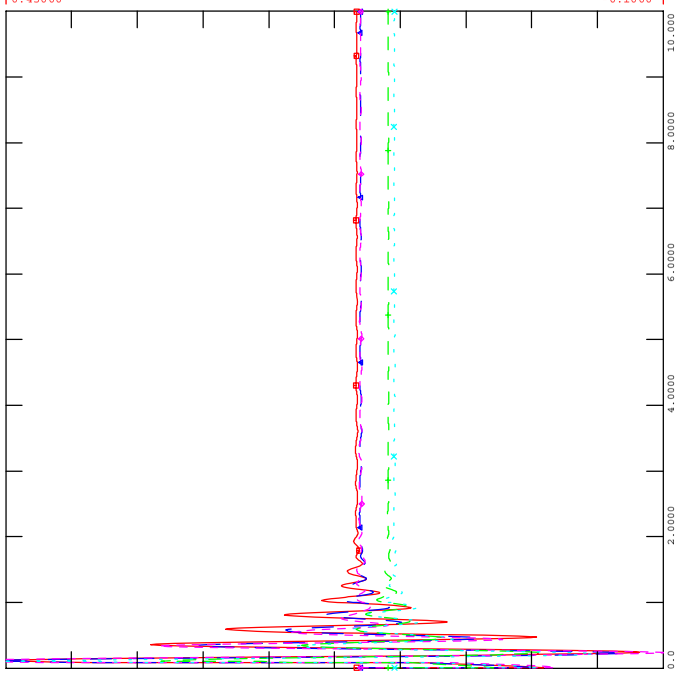
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



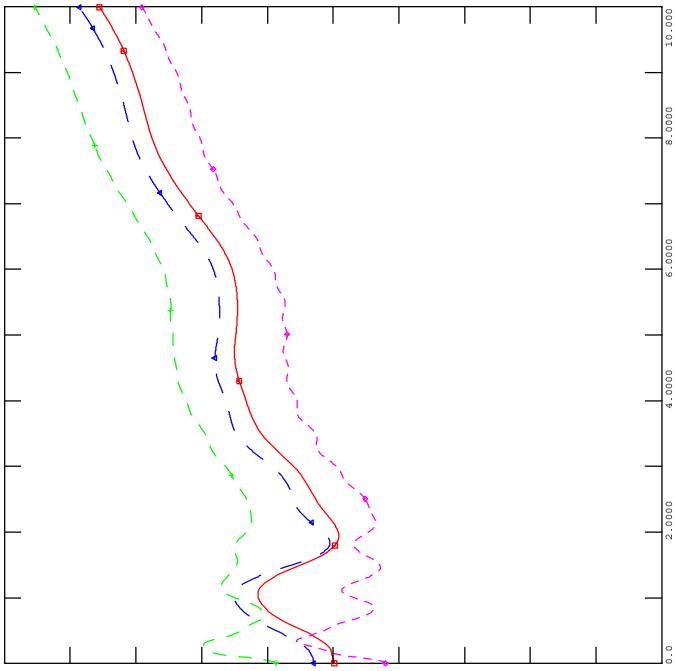
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



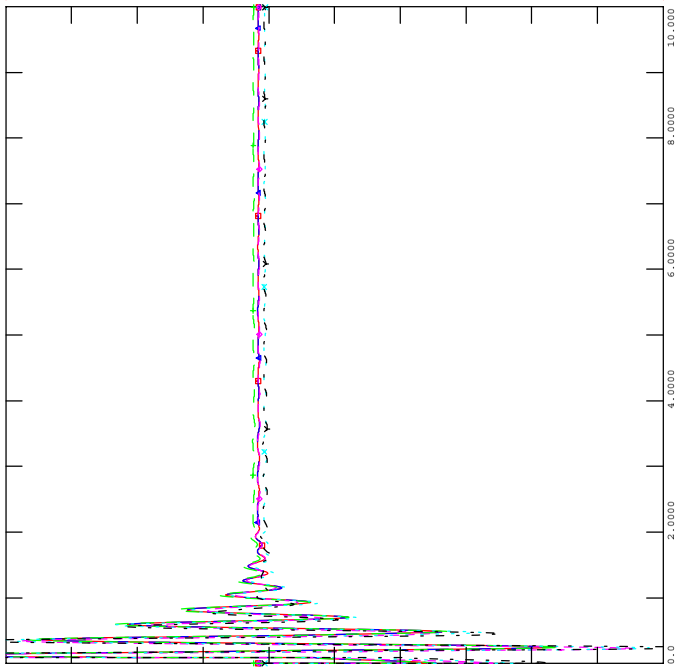
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-11fault.out

MON, JAN 11 2010 8:16

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

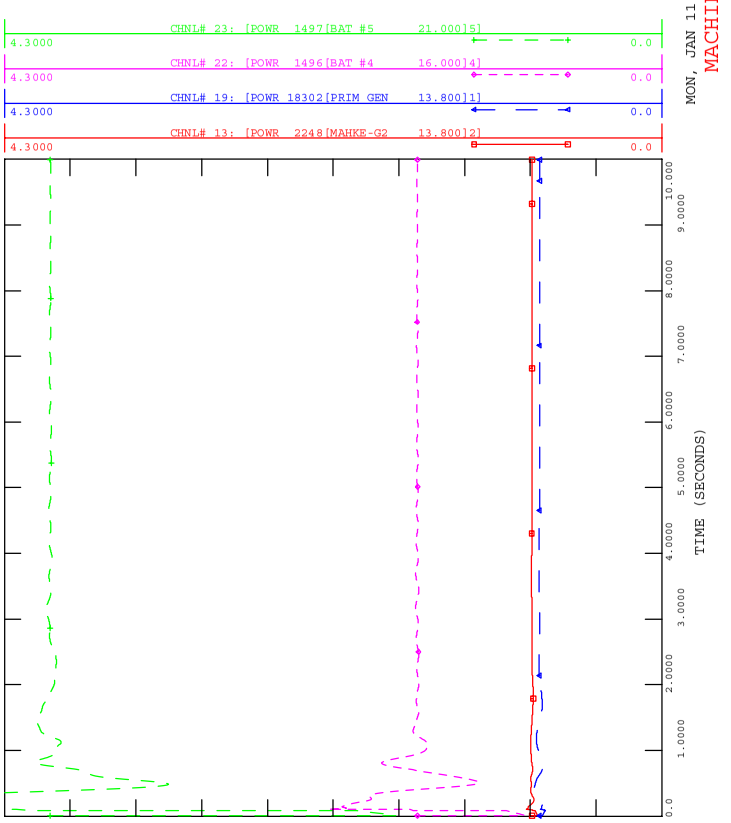


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

MACHINE POWER

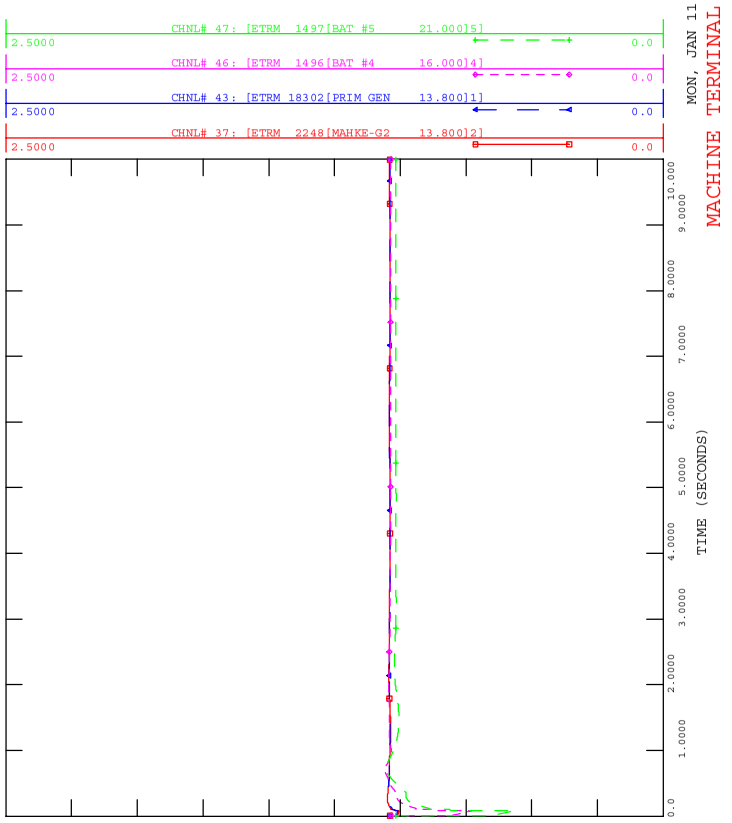


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

MACHINE TERMINAL VOLTAGE

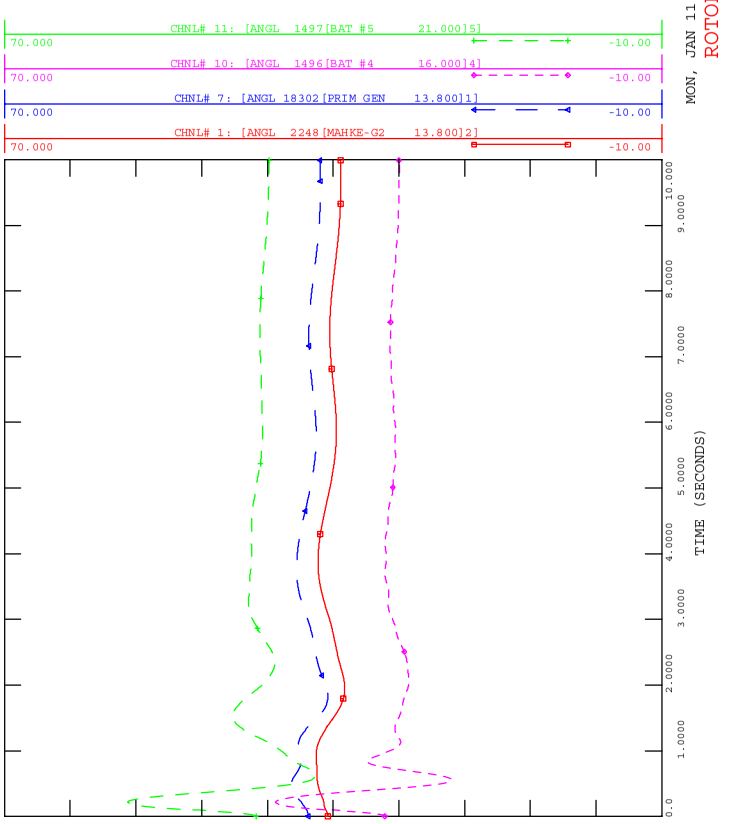


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

ROTOR ANGLES

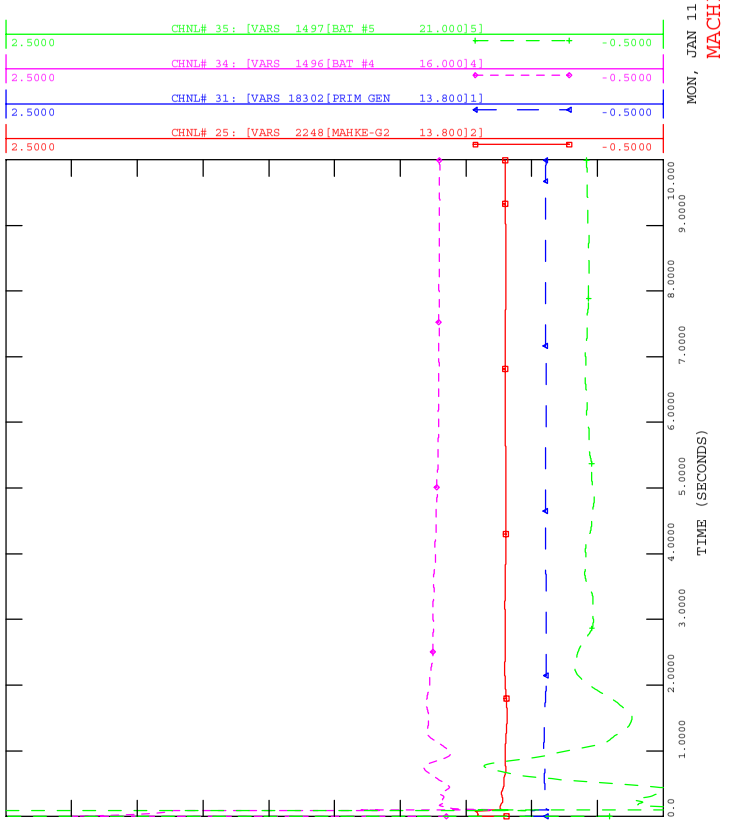


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 145: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

240 KV BUS VOLTAGES

CHNL# 243: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 240: [VOLT 273 [NILREM 4 240.00]]
CHNL# 214: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

SOUTH BUS VOLTAGES

CHNL# 238: [VOLT 219 [KILLARN7 138.00]]
CHNL# 233: [VOLT 74 [METIS647 138.00]]
CHNL# 178: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 208: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 263: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER]
CHNL# 890: [749AL METISKOW - KILARNEY LAKE]
CHNL# 1161: [9L953 CORDEL - NILREM]
CHNL# 1157: [7L50 BATTLE RIVER - JARROW TAP]

400.00 -100.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER]
CHNL# 891: [749AL METISKOW - KILARNEY LAKE]
CHNL# 1162: [9L953 CORDEL - NILREM]
CHNL# 1158: [7L50 BATTLE RIVER - JARROW TAP]

150.00 -250.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE]

250.00 -100.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 587: [NEW MAHIHKAN - BONNYVILLE]

150.00 -250.0

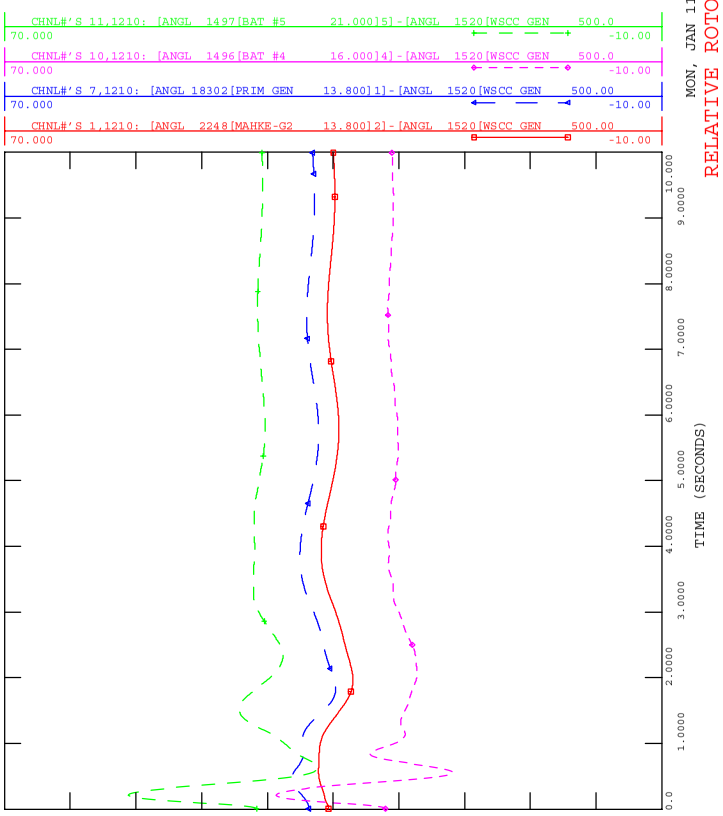
TIME (SECONDS)

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CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

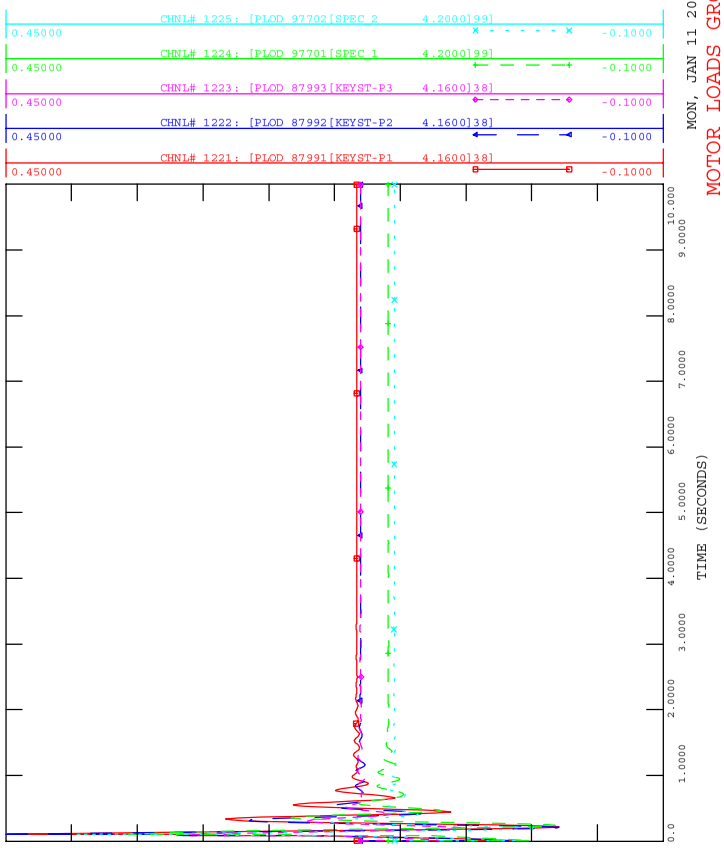


RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

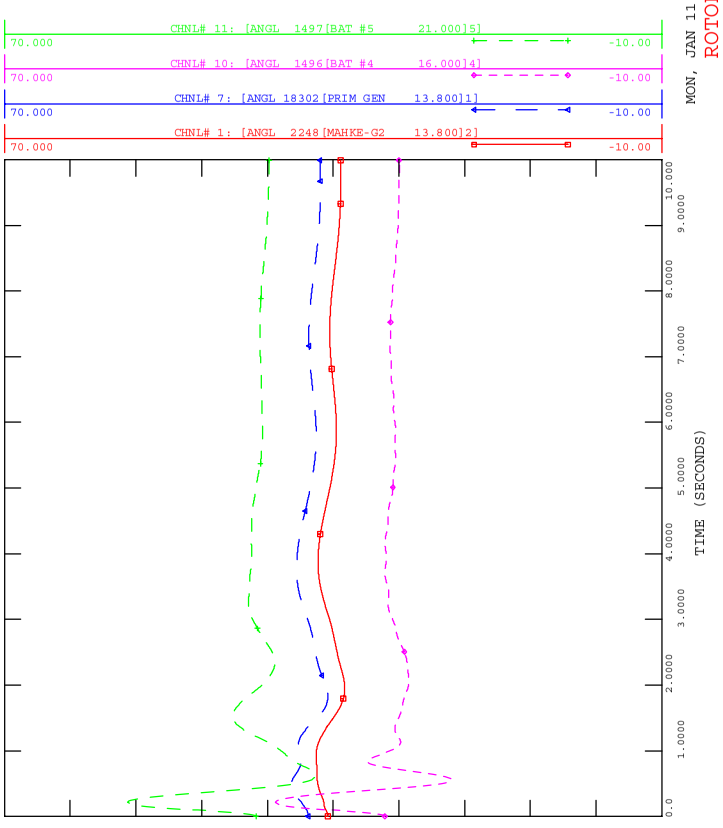


MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16

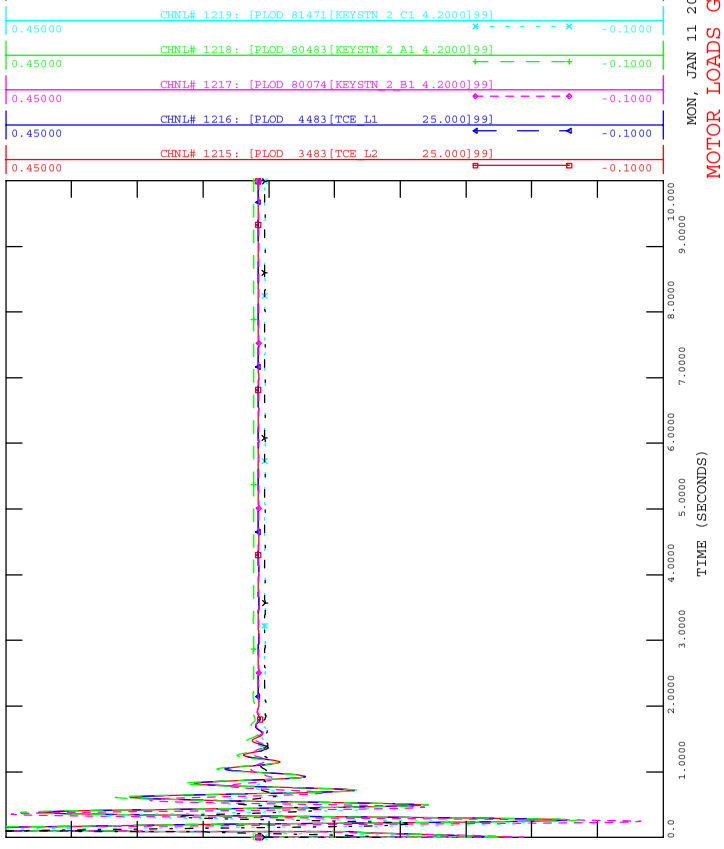


ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C3-12fault.out

MON, JAN 11 2010 8:16



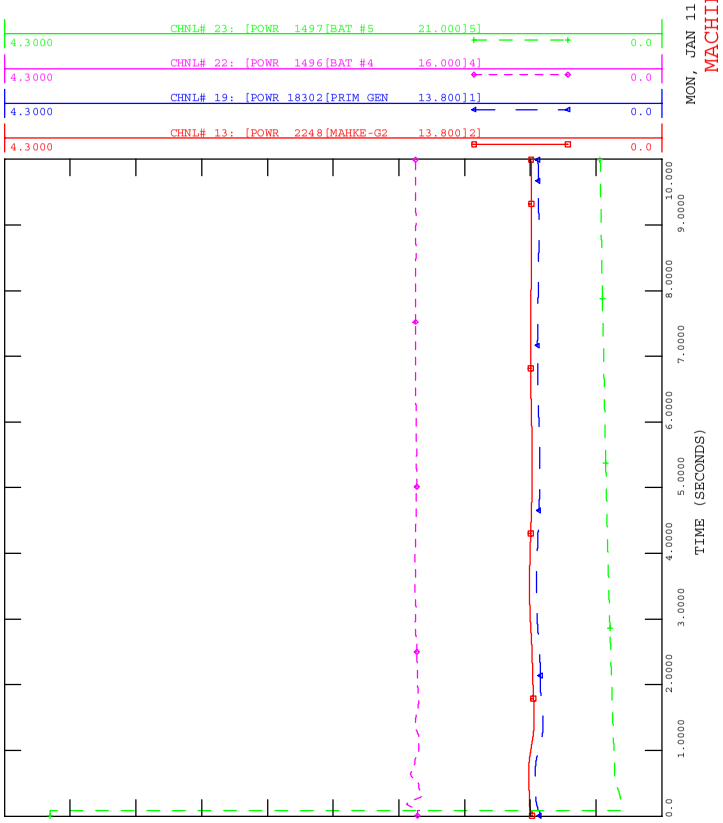
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

MACHINE POWER

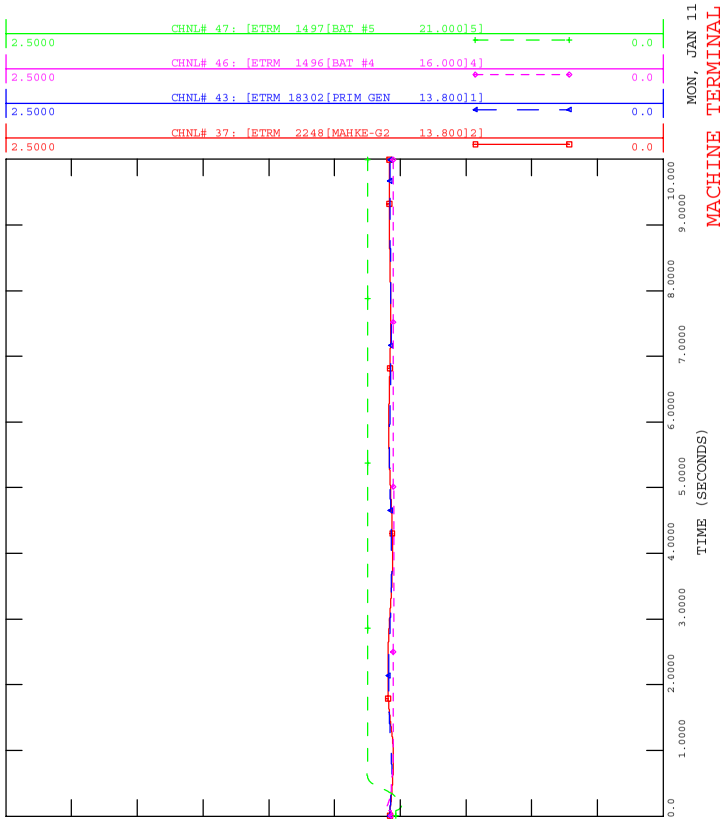


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

MACHINE TERMINAL VOLTAGE

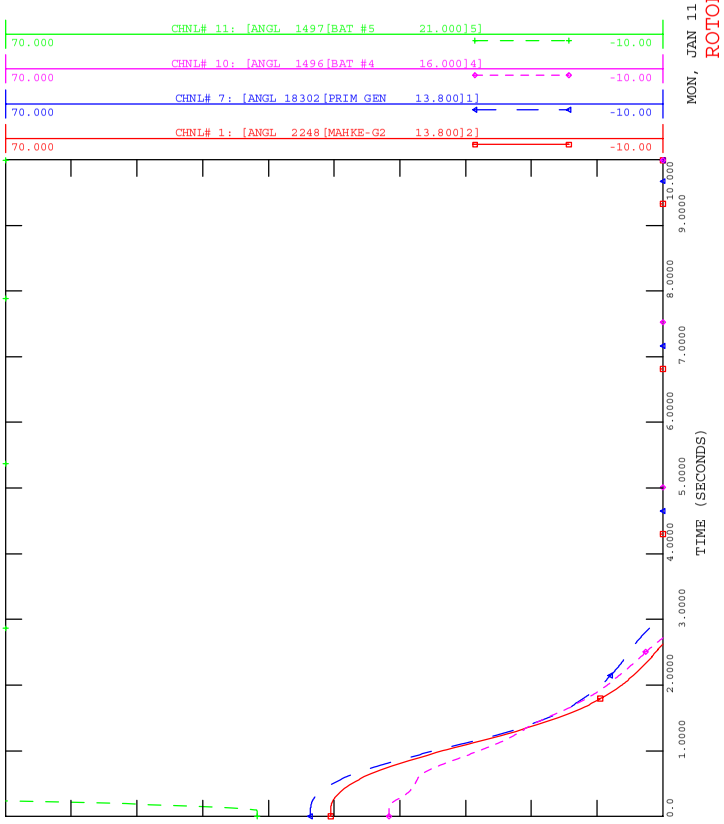


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

ROTOR ANGLES

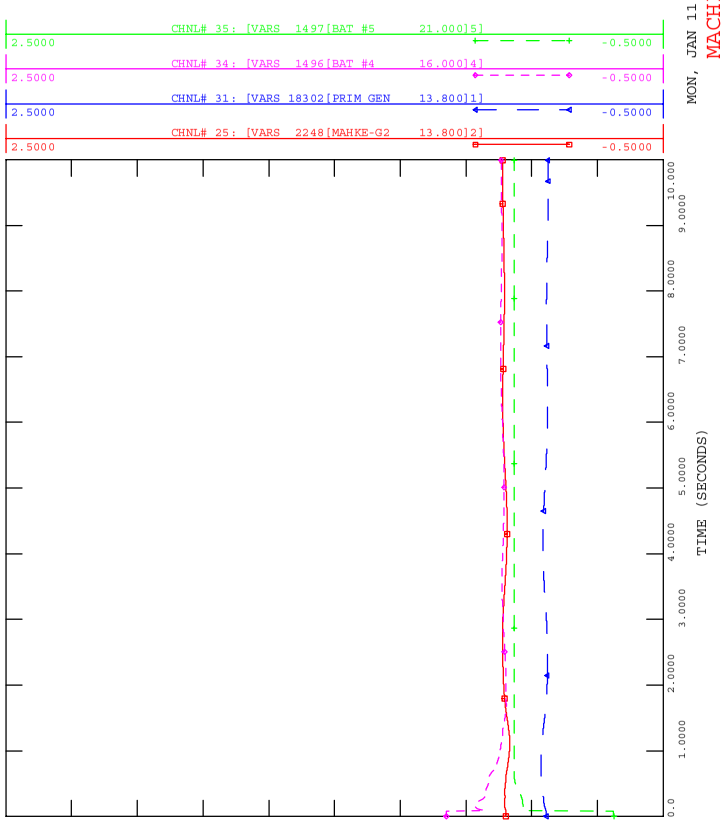


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

MACHINE VARS

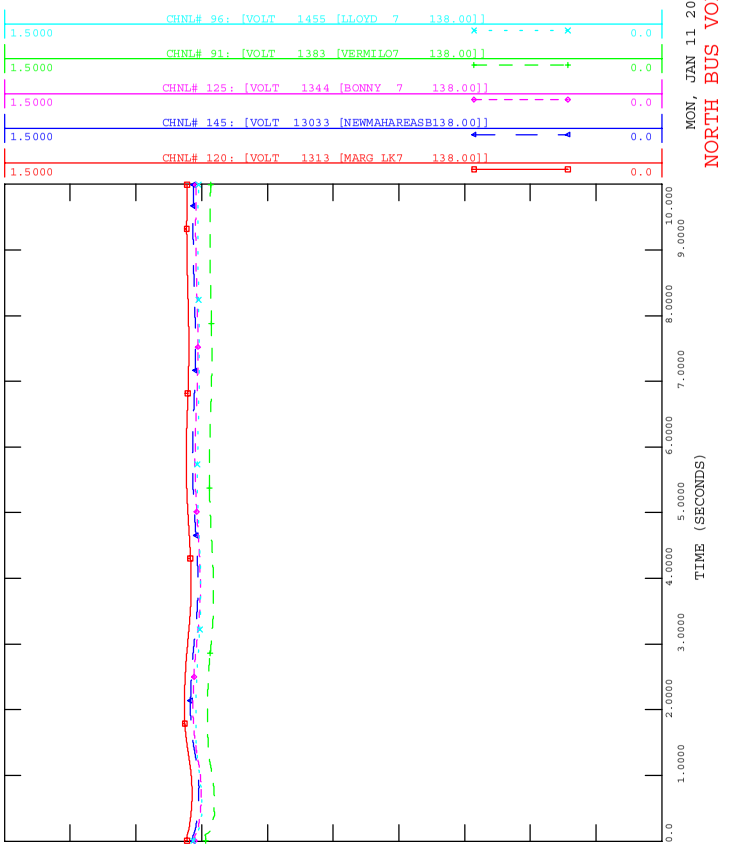


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

NORTH BUS VOLTAGES

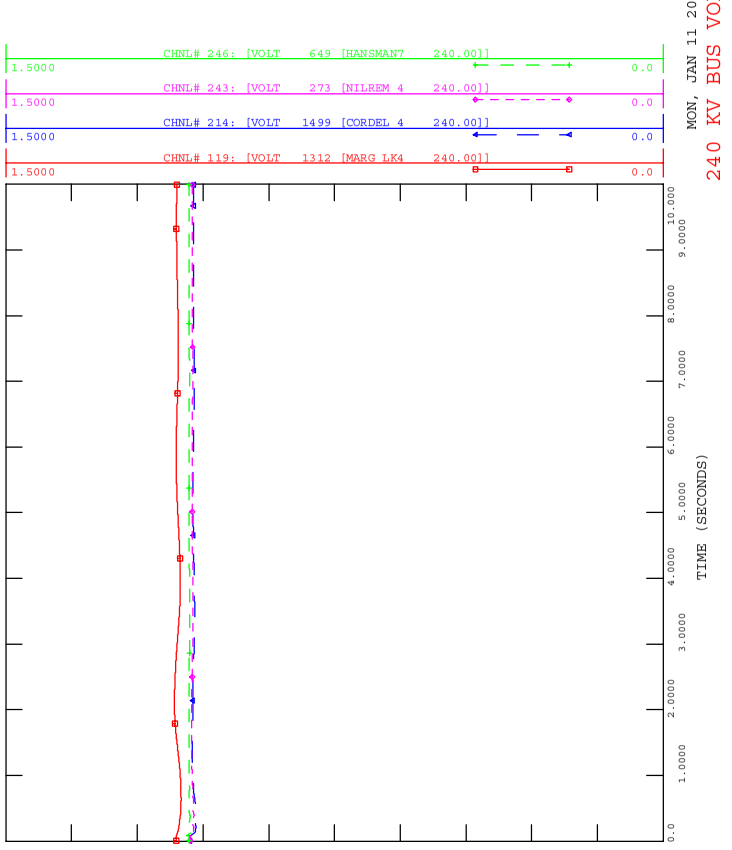


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

240 KV BUS VOLTAGES

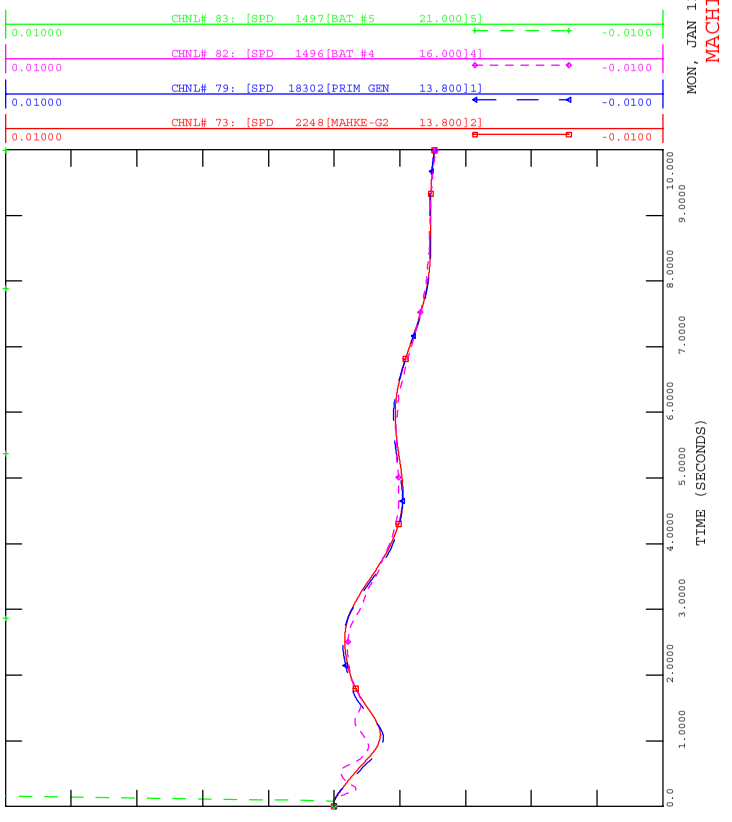


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

MACHINE SPEED

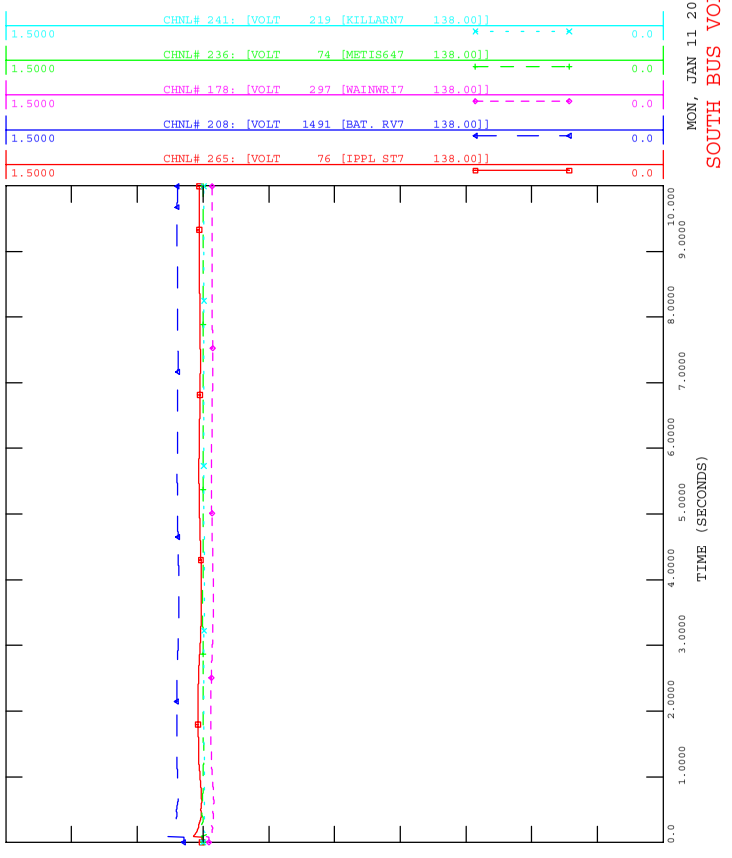


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

SOUTH BUS VOLTAGES

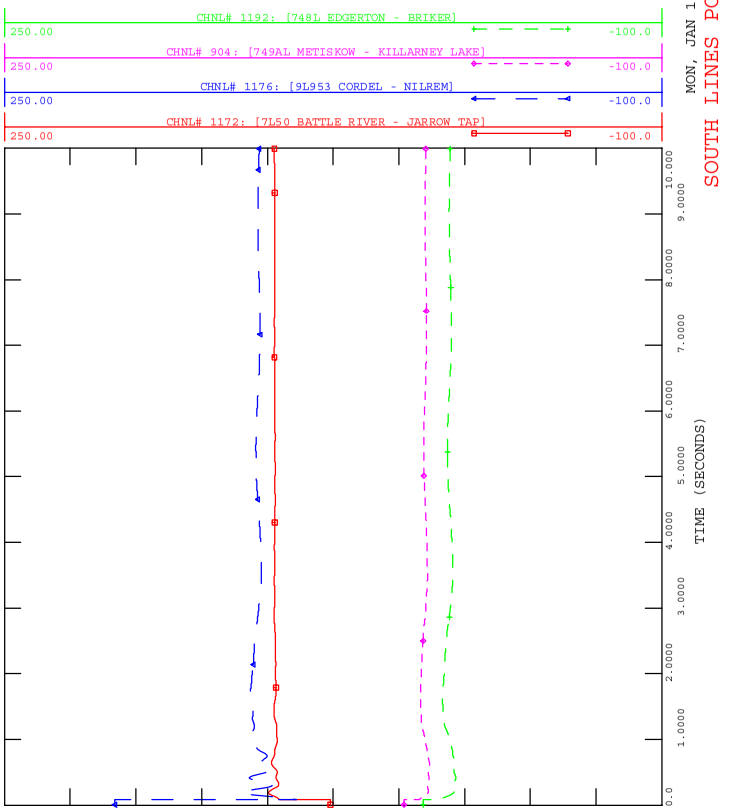


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

SOUTH LINES POWER FLOW

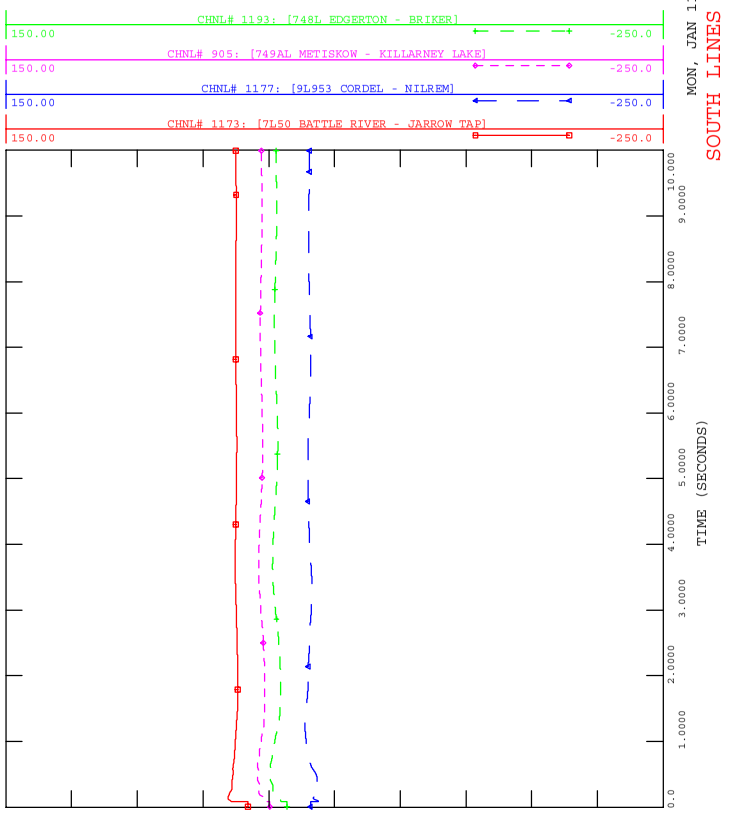


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

SOUTH LINES VAR FLOW

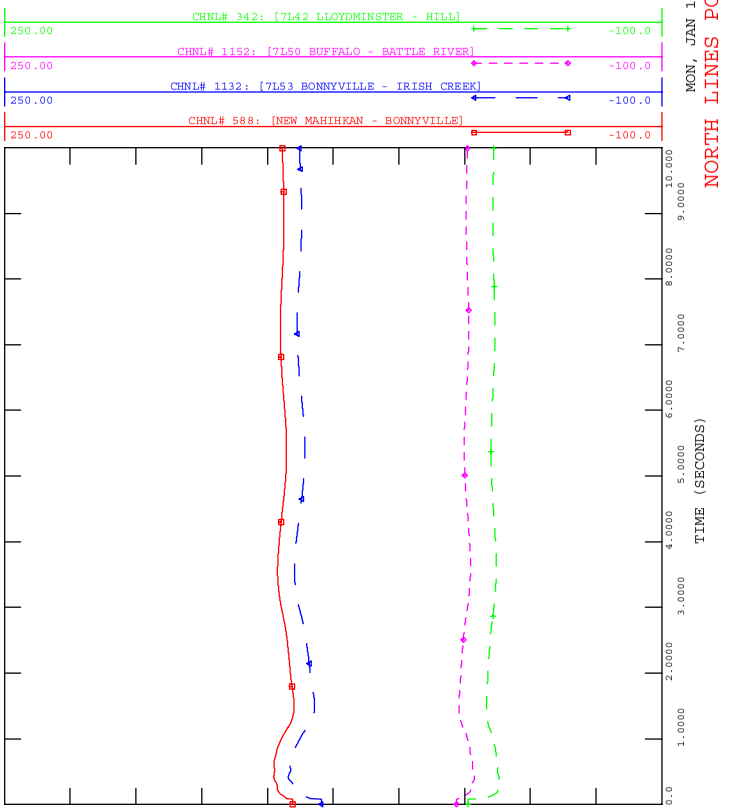


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

NORTH LINES POWER FLOW

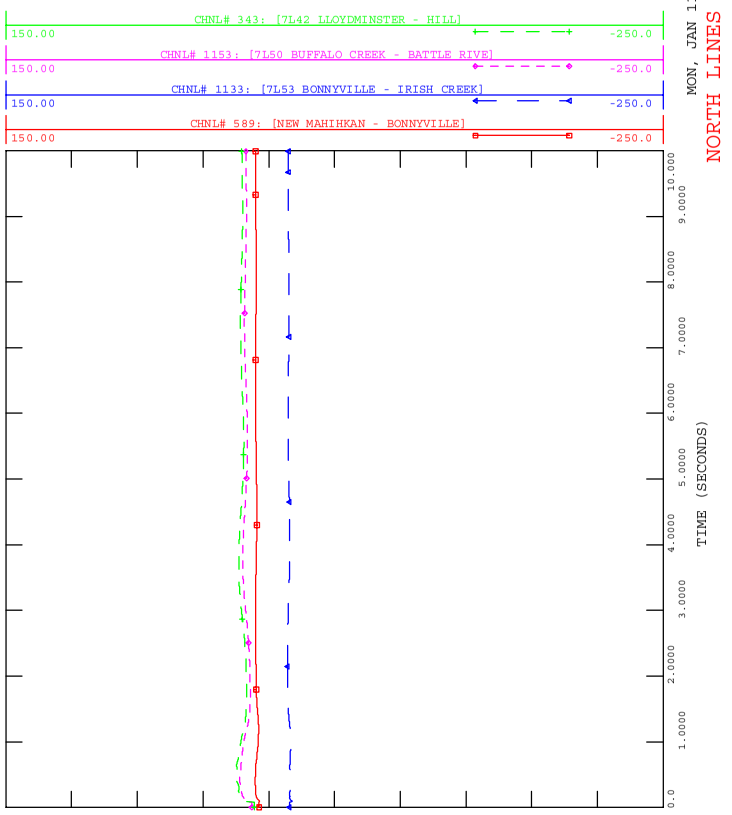


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

NORTH LINES VAR FLOW



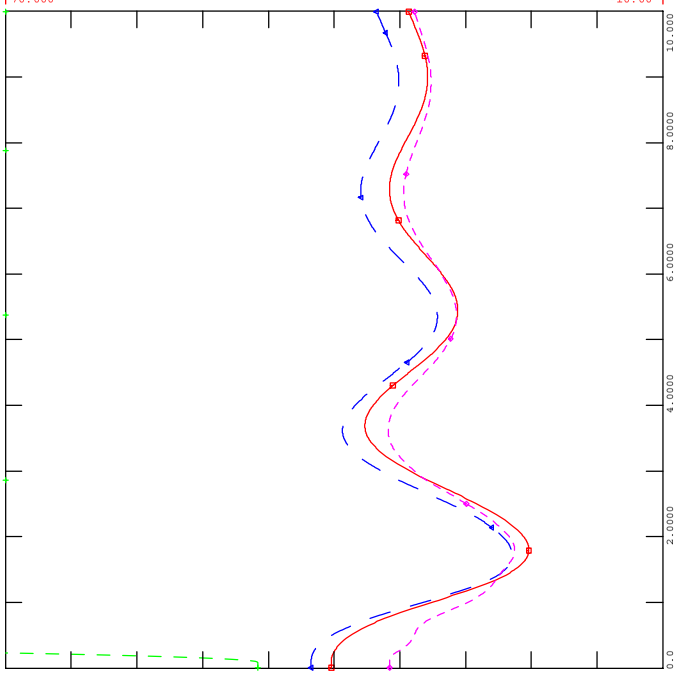
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

RELATIVE ROTOR ANGLES

CHNL#'S 11,1215: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1215: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1215: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1215: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



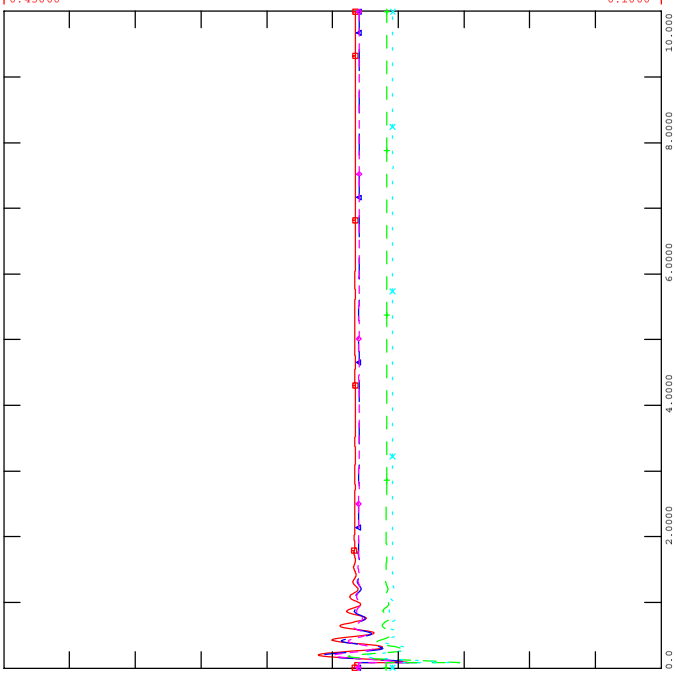
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

MOTOR LOADS GROUP II

CHNL# 1228: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1227: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1226: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1225: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1224: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



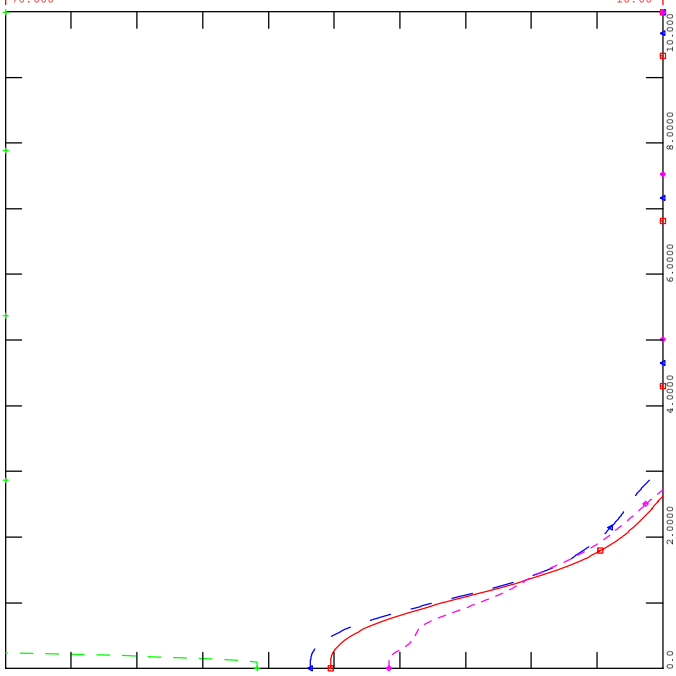
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



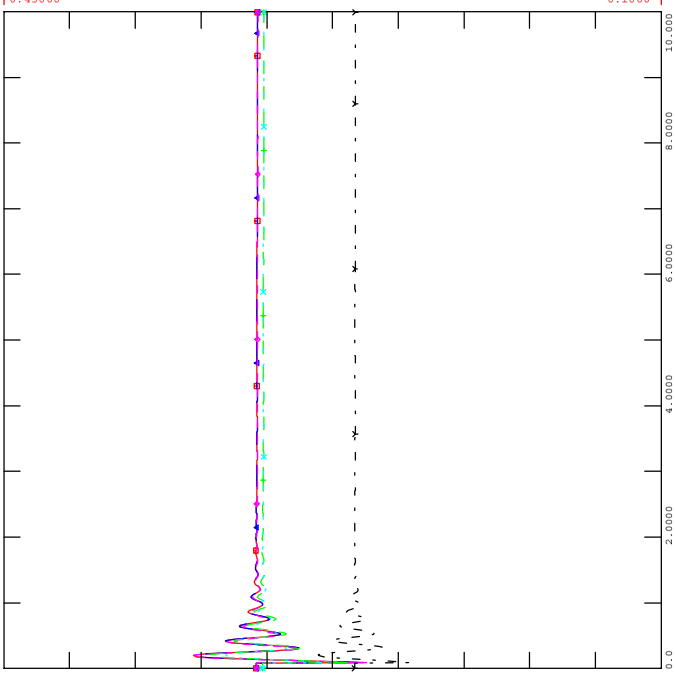
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-1fault.out

MON, JAN 11 2010 8:36

MOTOR LOADS GROUP I

CHNL# 1224: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000
CHNL# 1223: [PLOD 81474[KEYSTN_2_D1 4.2000]99]
0.45000 -0.1000
CHNL# 1222: [PLOD 81471[KEYSTN_2_C1 4.2000]99]
0.45000 -0.1000
CHNL# 1220: [PLOD 80074[KEYSTN_2_B1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 4483[TCE_L1 25.000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 3483[TCE_L2 25.000]99]
0.45000 -0.1000

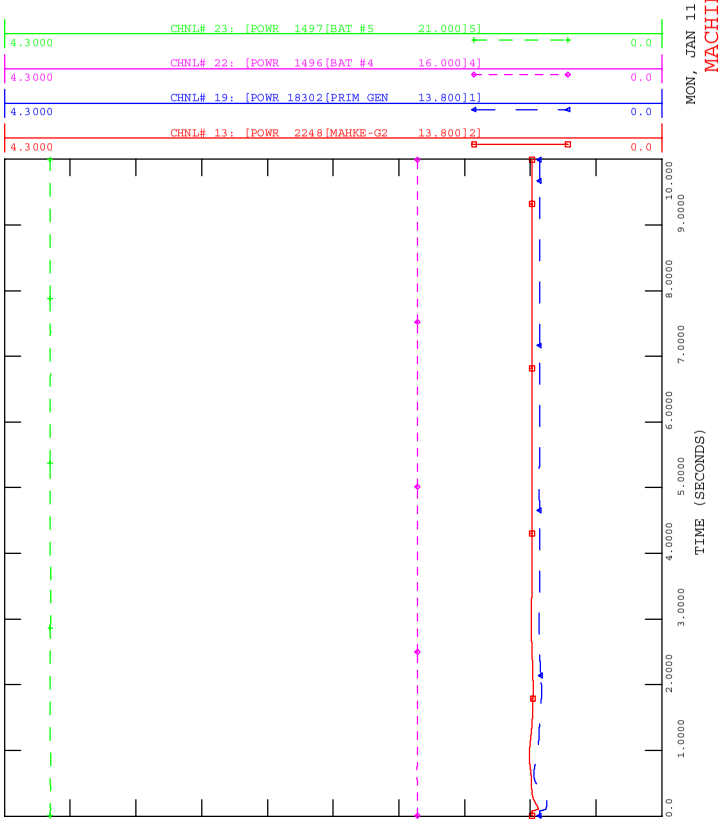


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

MACHINE POWER

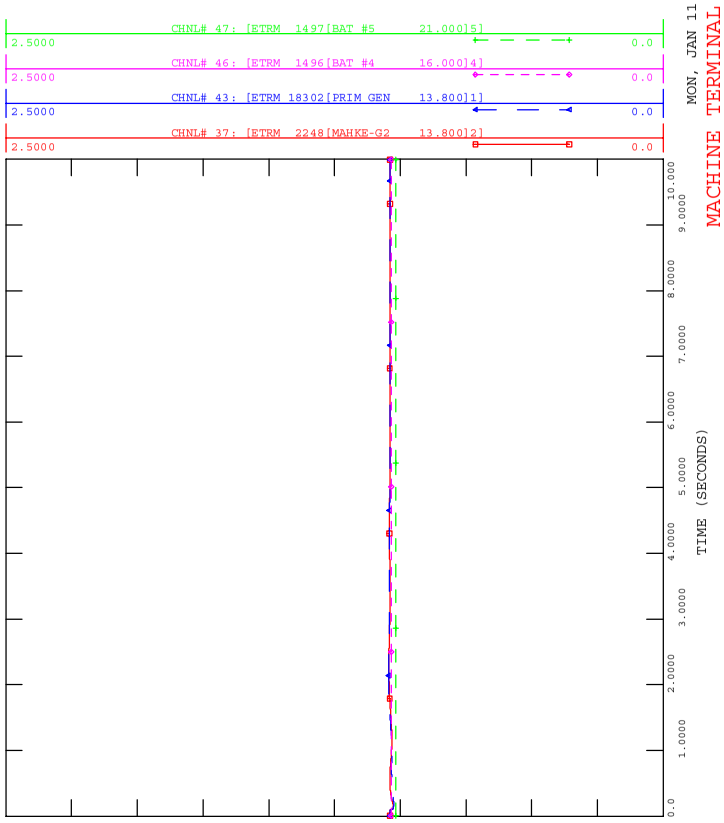


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

MACHINE TERMINAL VOLTAGE

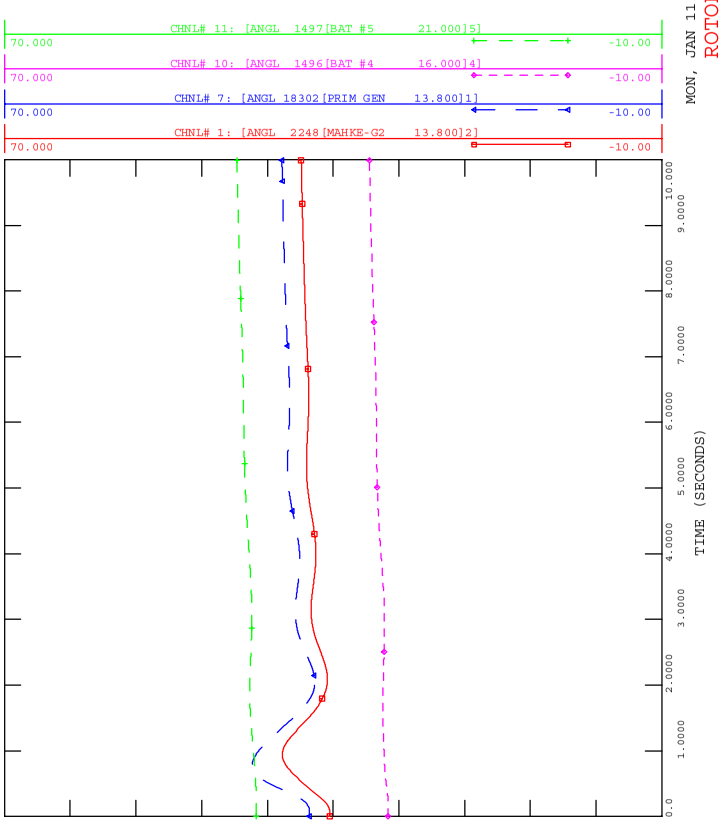


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

ROTOR ANGLES

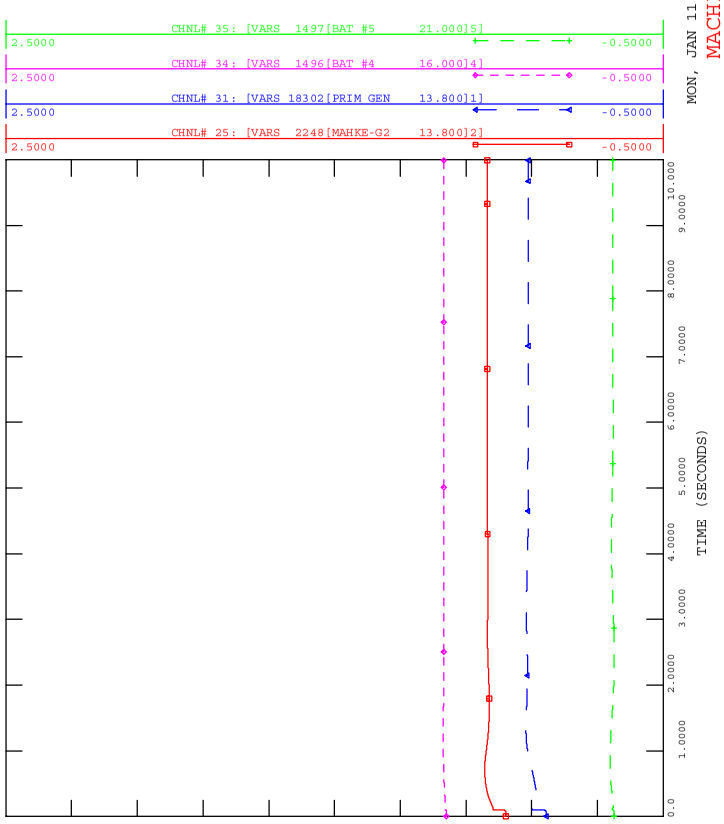


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

MACHINE VARS

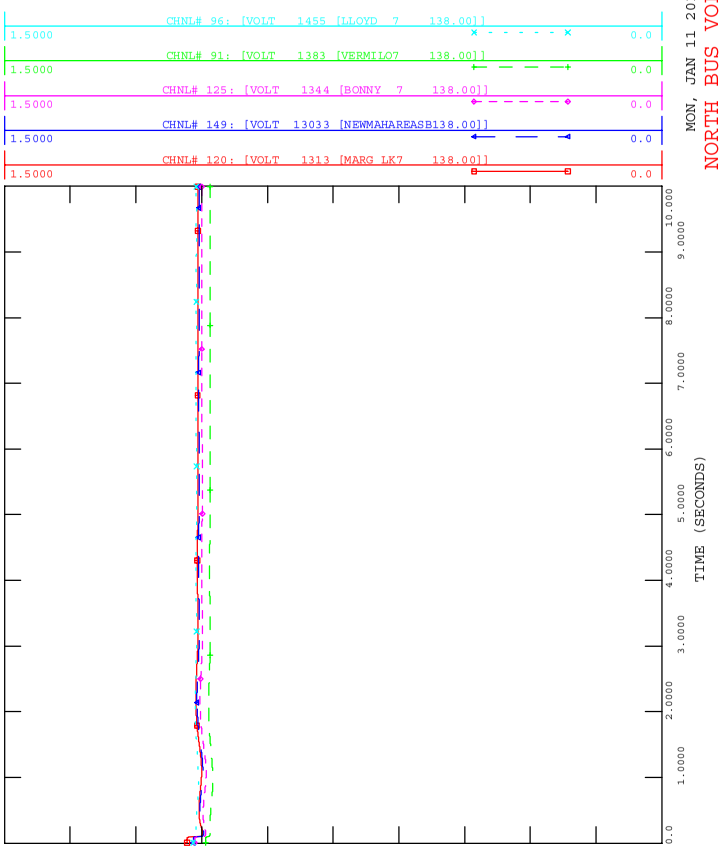


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

NORTH BUS VOLTAGES

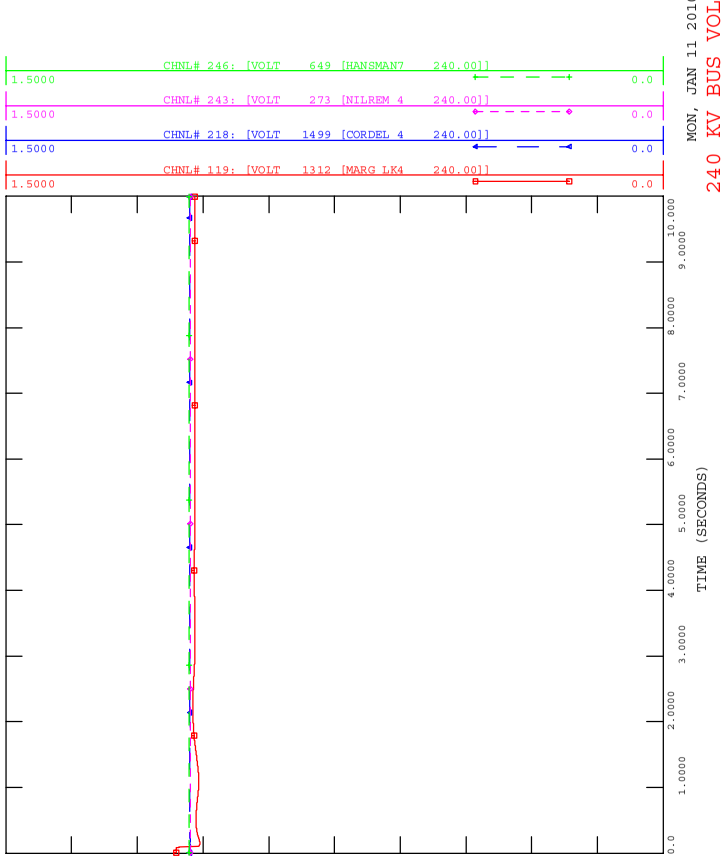


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

240 KV BUS VOLTAGES

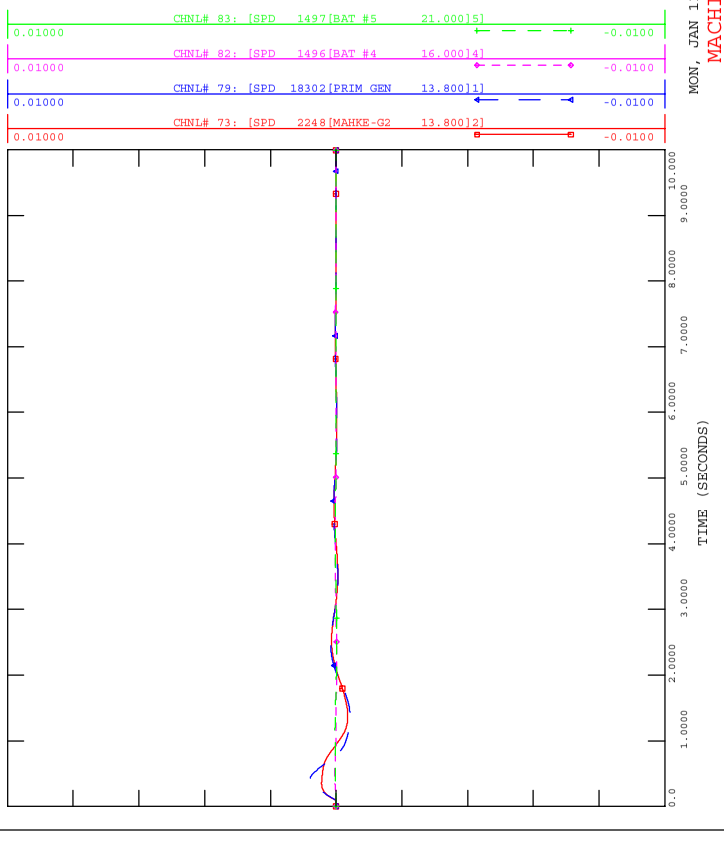


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

MACHINE SPEED

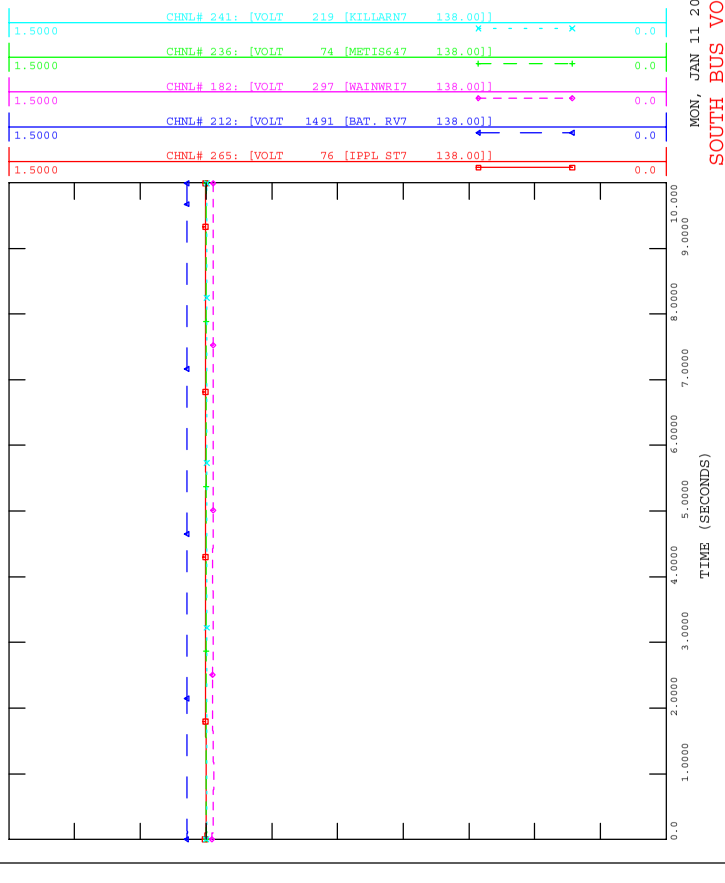


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

SOUTH BUS VOLTAGES

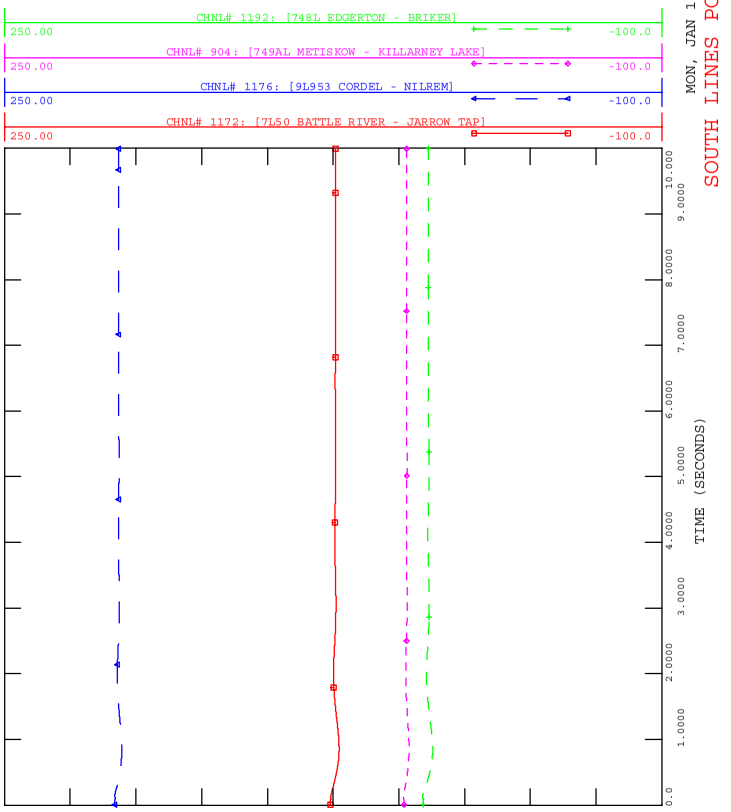


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

SOUTH LINES POWER FLOW

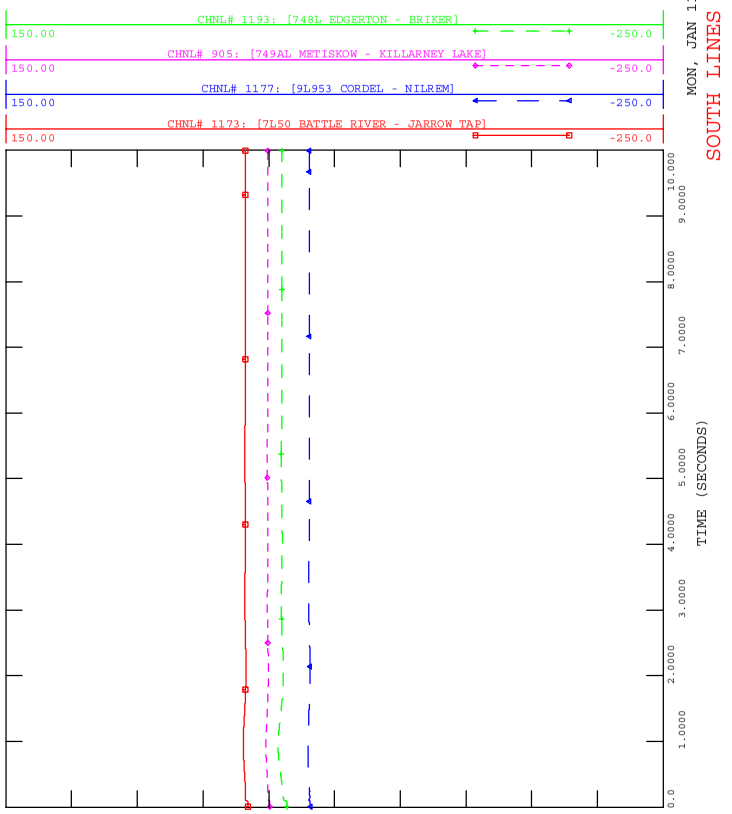


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

SOUTH LINES VAR FLOW

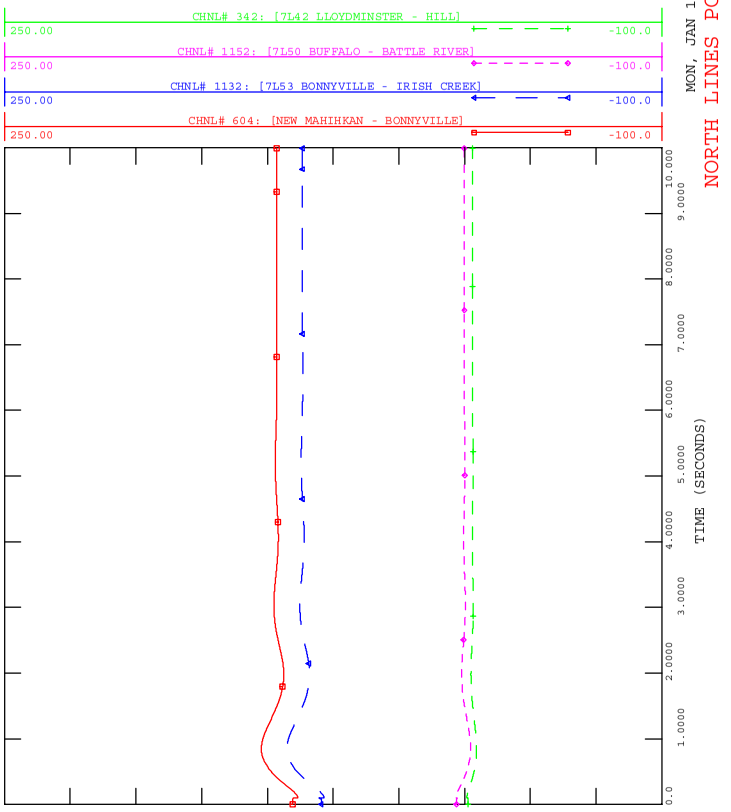


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:16

NORTH LINES POWER FLOW

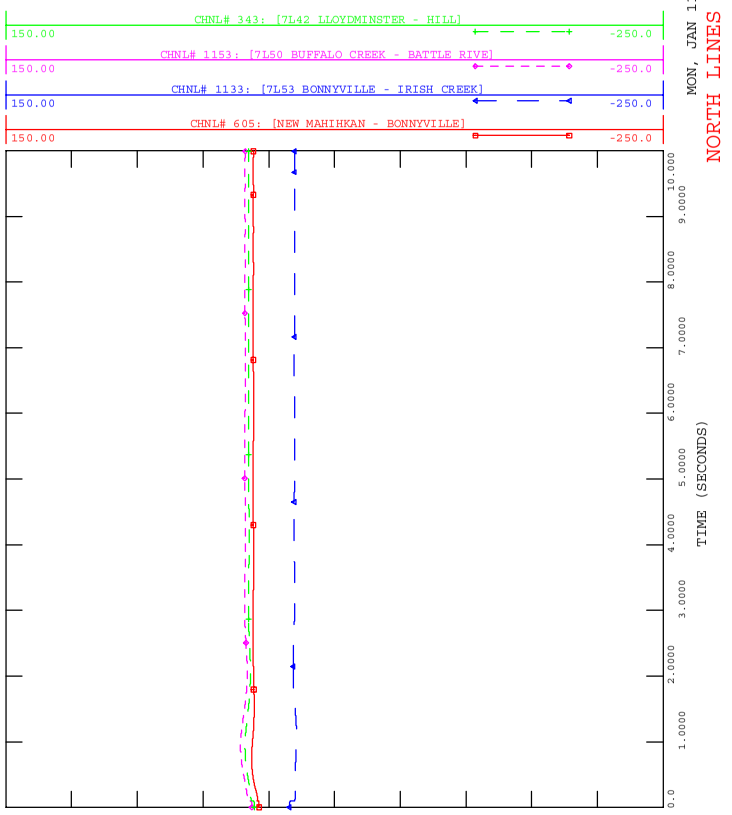


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:16

NORTH LINES VAR FLOW

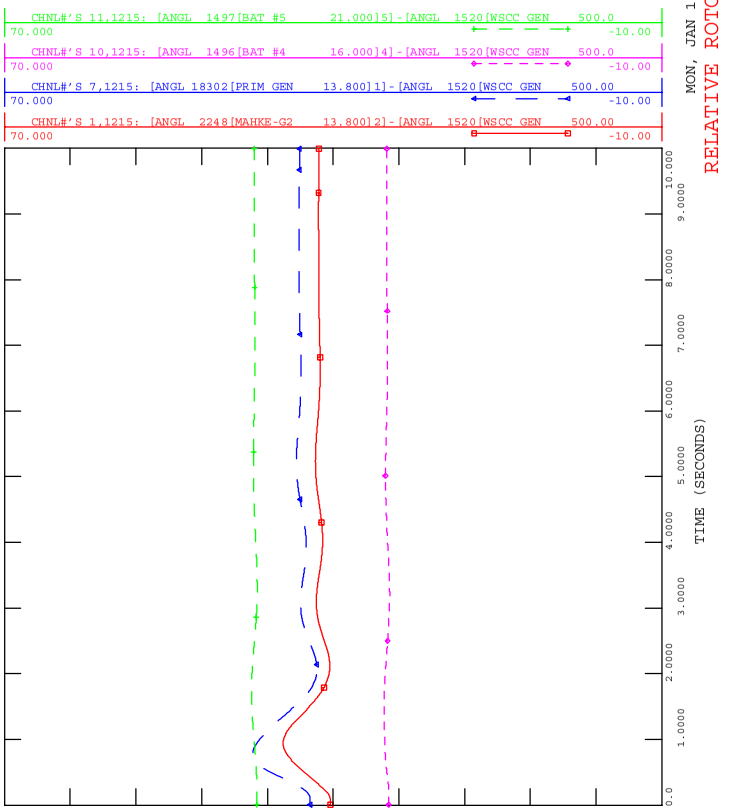


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

RELATIVE ROTOR ANGLES

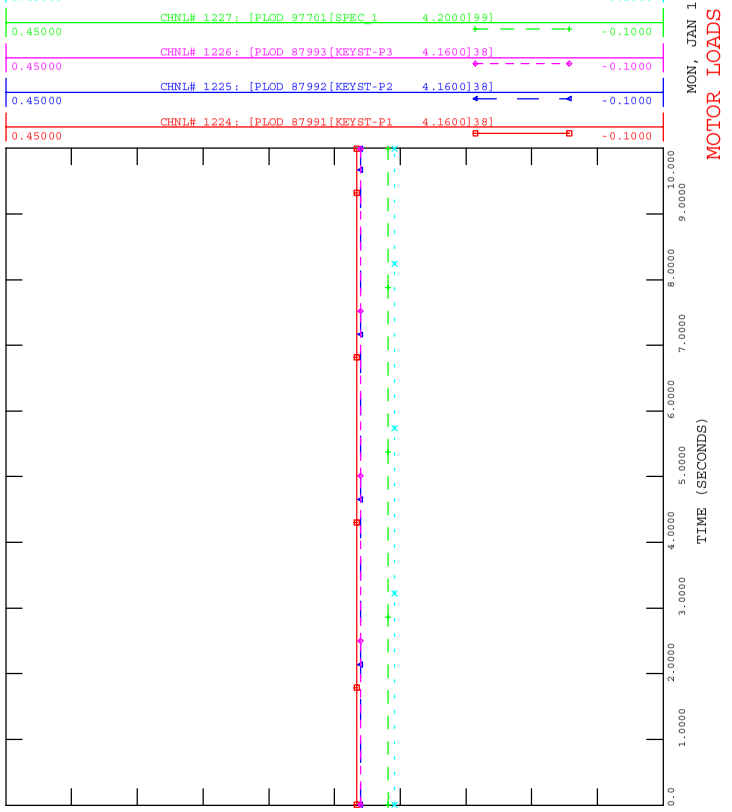


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

MOTOR LOADS GROUP II

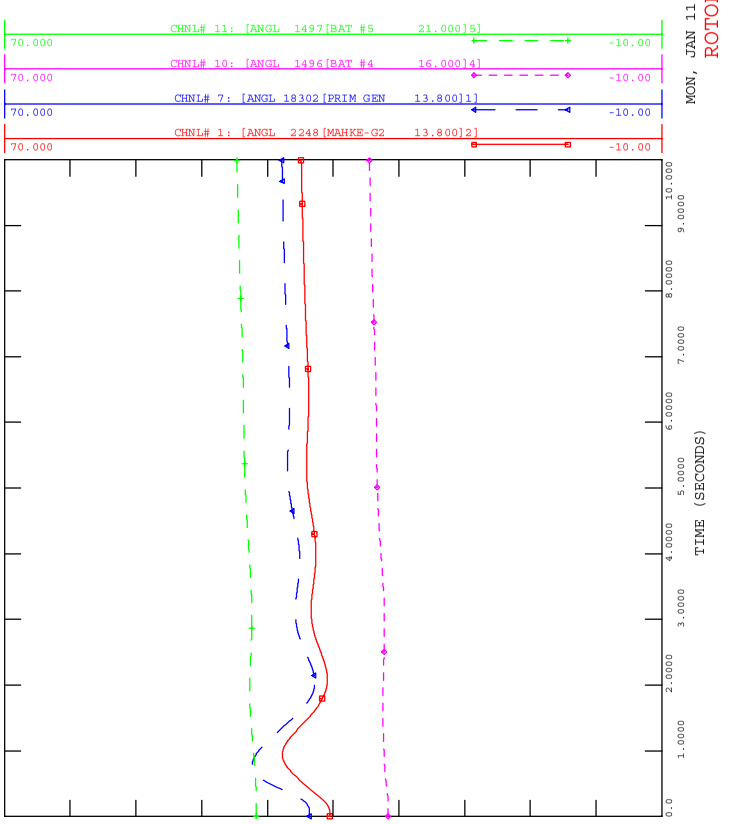


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:16

ROTOR ANGLES

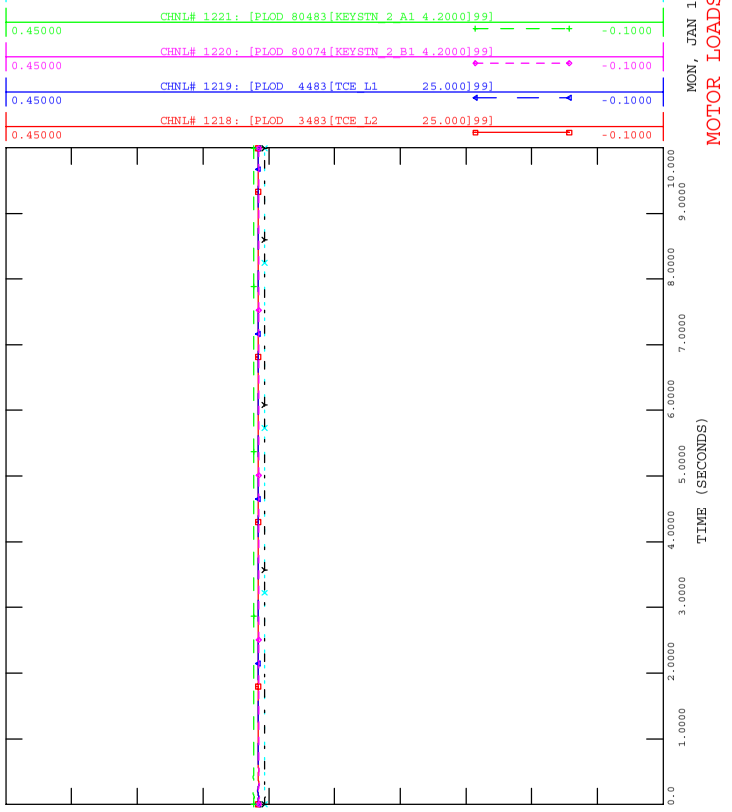


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-2fault.out

MON, JAN 11 2010 8:16

MOTOR LOADS GROUP I

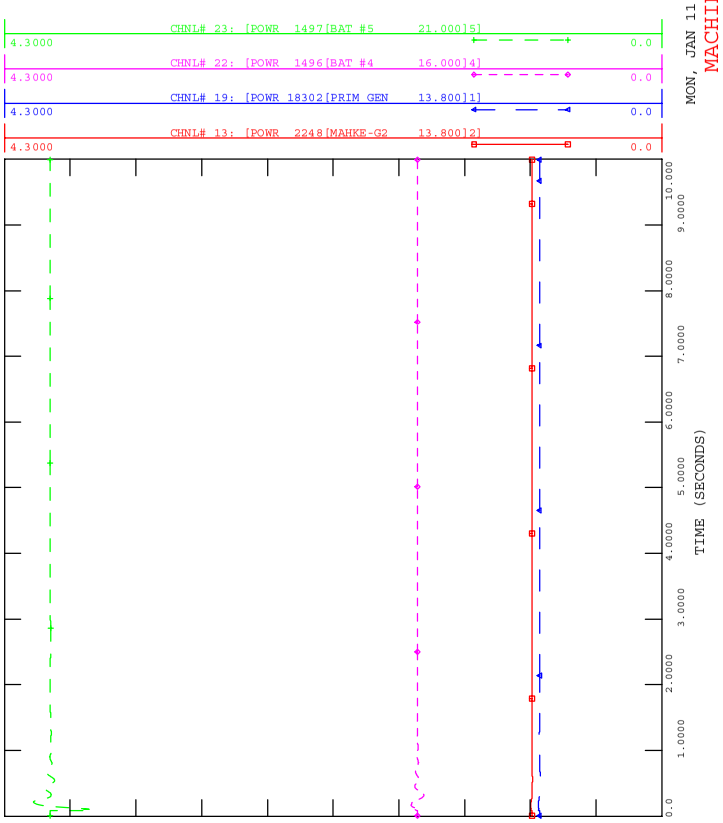


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

MACHINE POWER

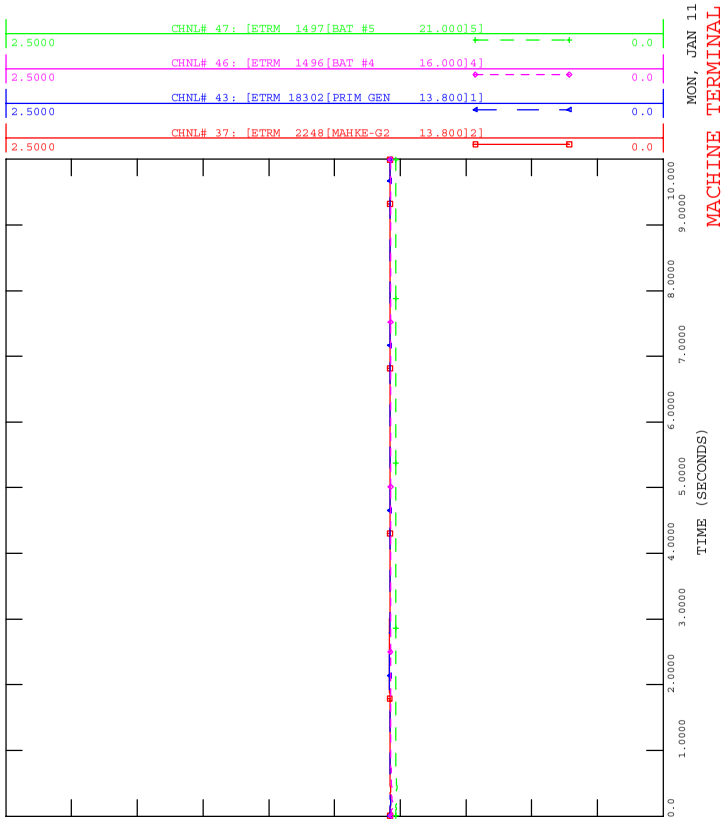


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

MACHINE TERMINAL VOLTAGE

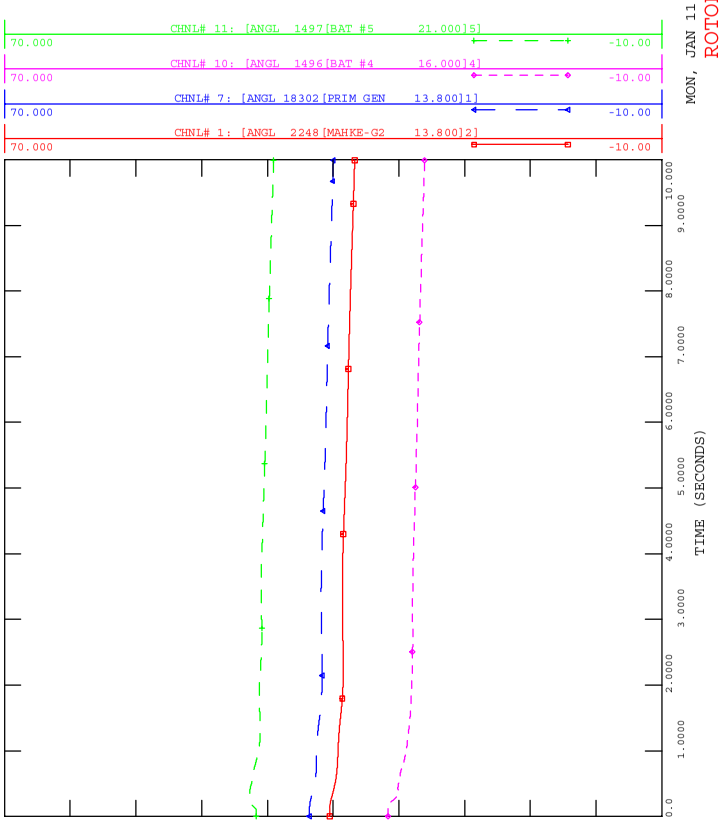


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:16

ROTOR ANGLES

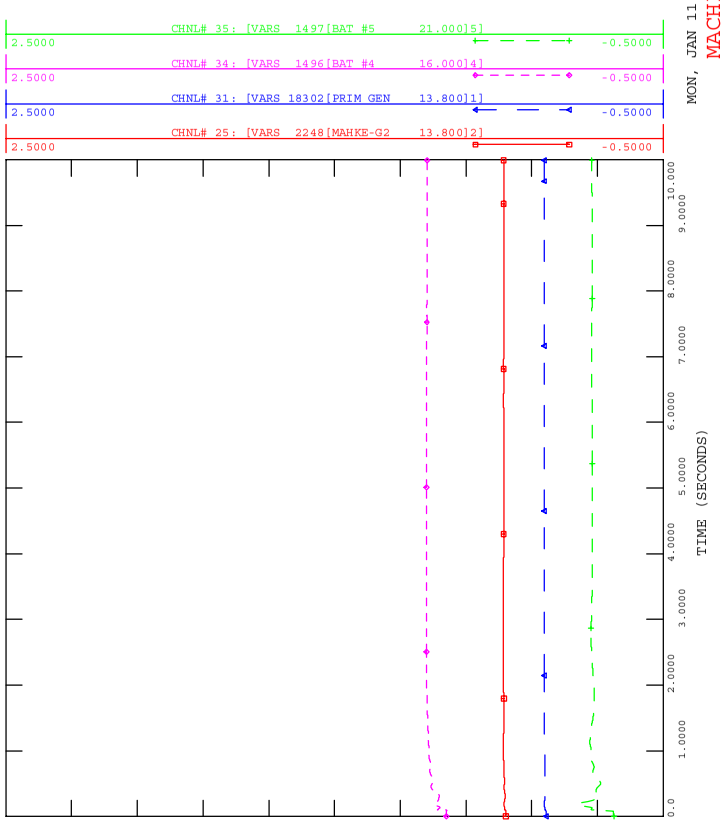


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

MACHINE VARS

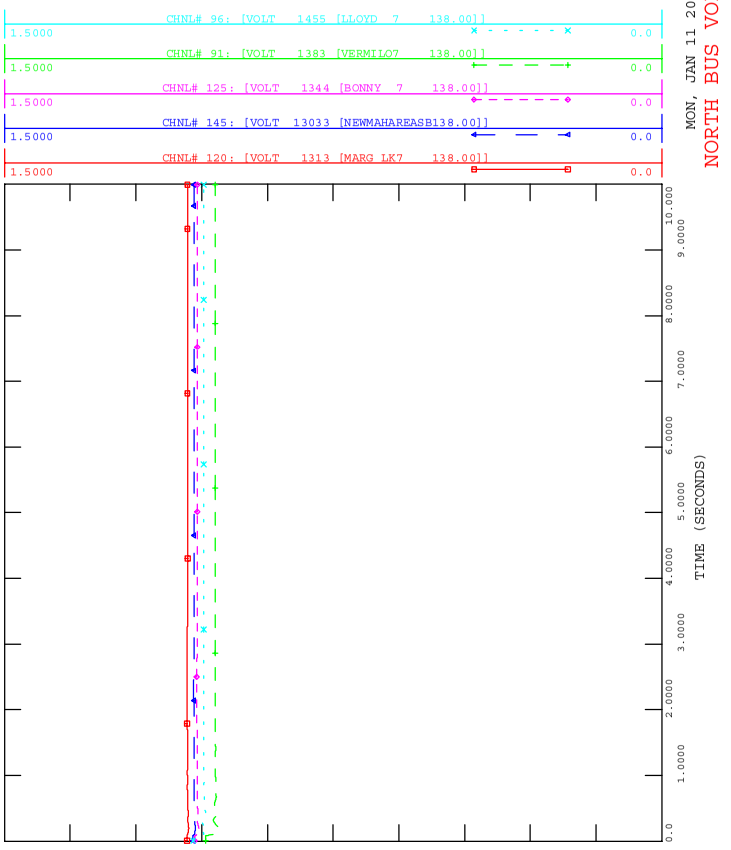


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

NORTH BUS VOLTAGES

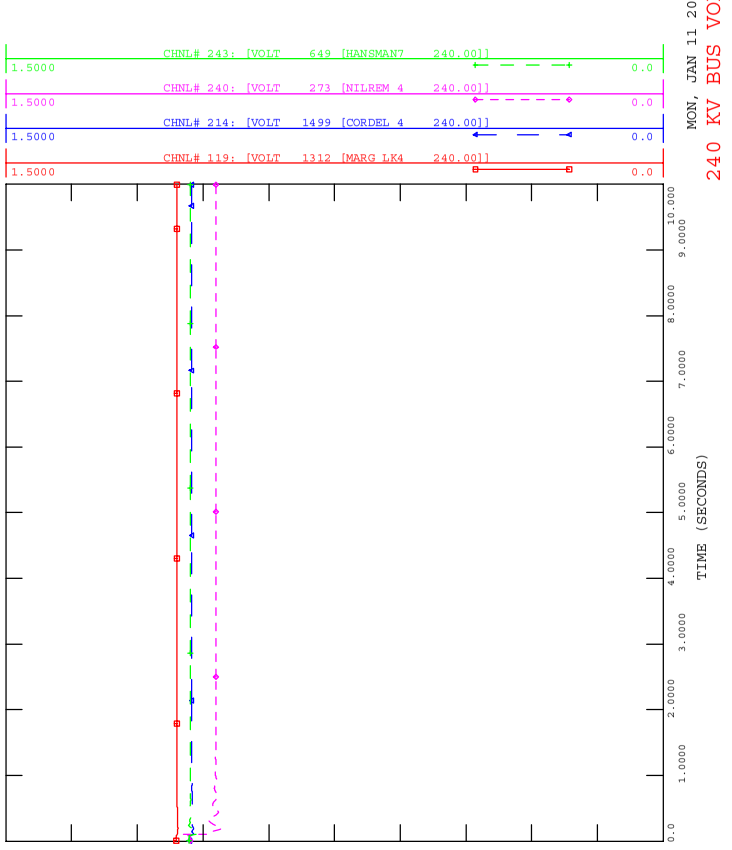


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:16

240 KV BUS VOLTAGES

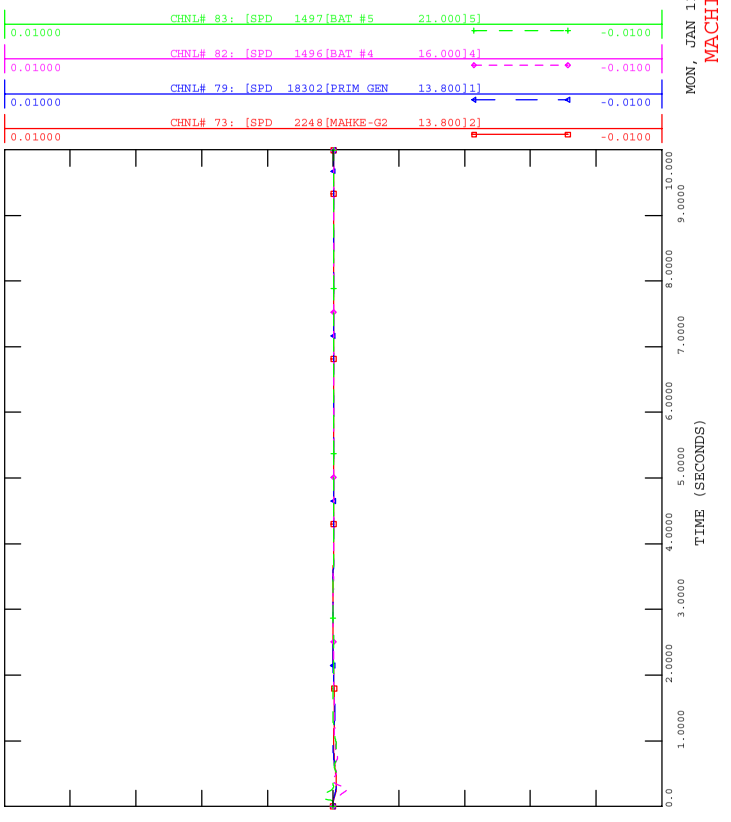


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

MACHINE SPEED

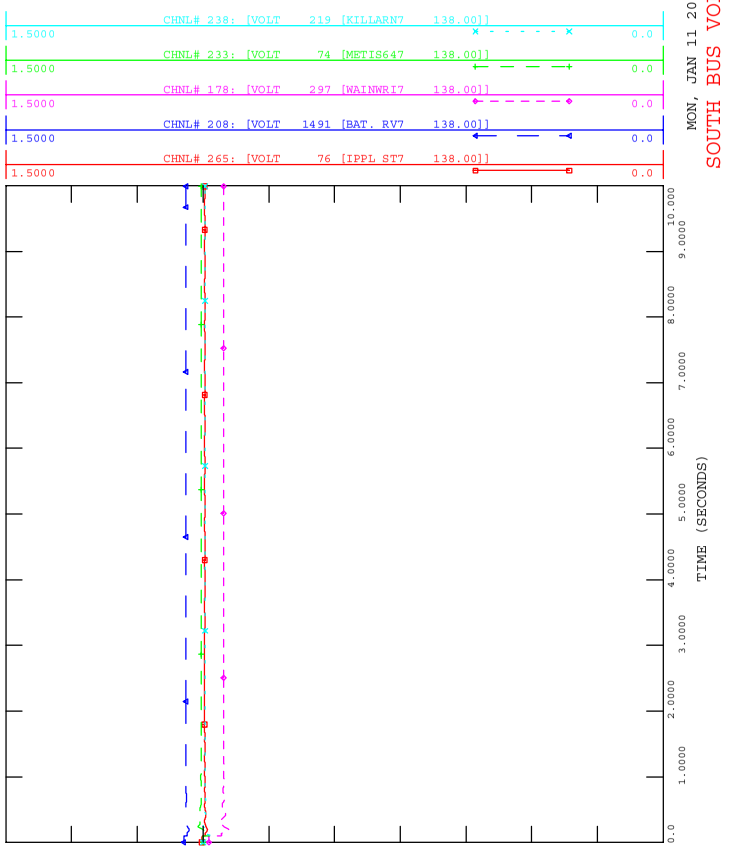


CENTRAL AREA STUDY
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FILE: C5-3fault.out

MON, JAN 11 2010 8:16

SOUTH BUS VOLTAGES

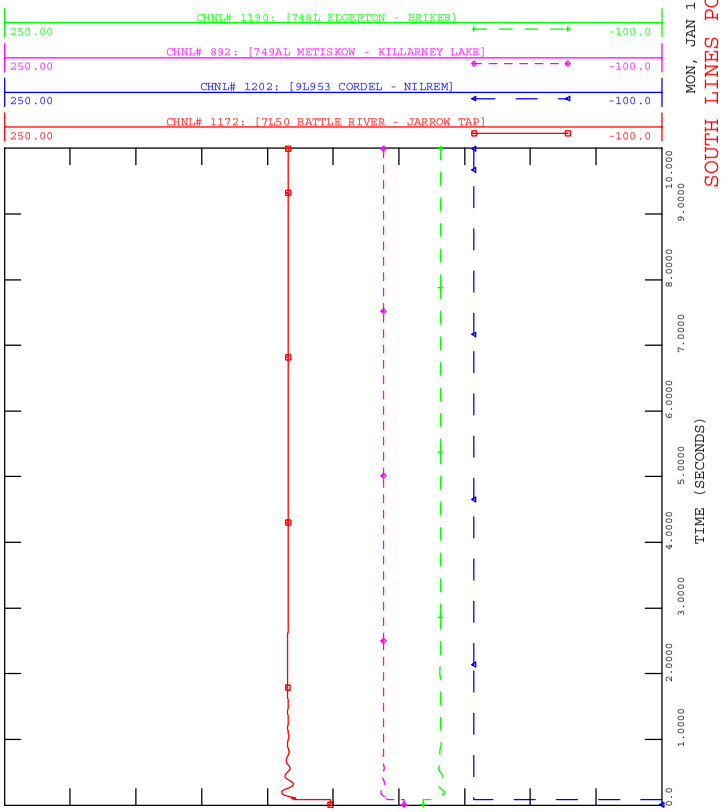


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

SOUTH LINES POWER FLOW

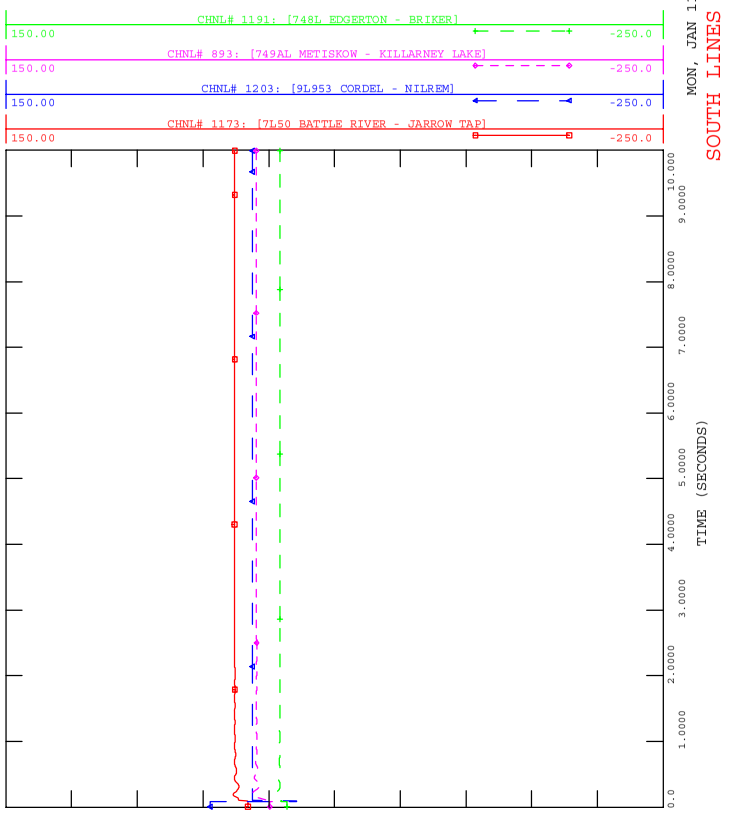


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

SOUTH LINES VAR FLOW

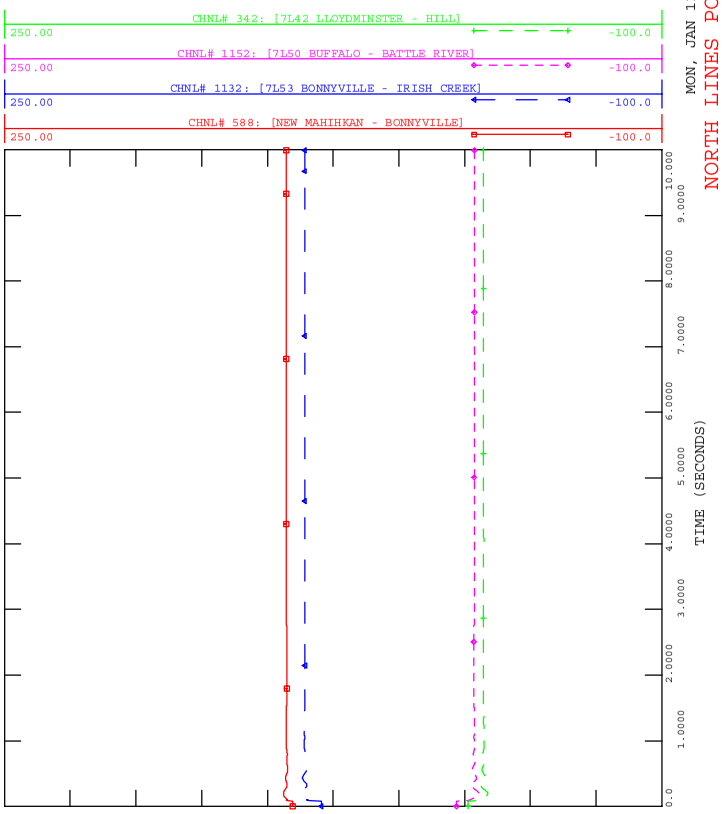


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:16

NORTH LINES POWER FLOW

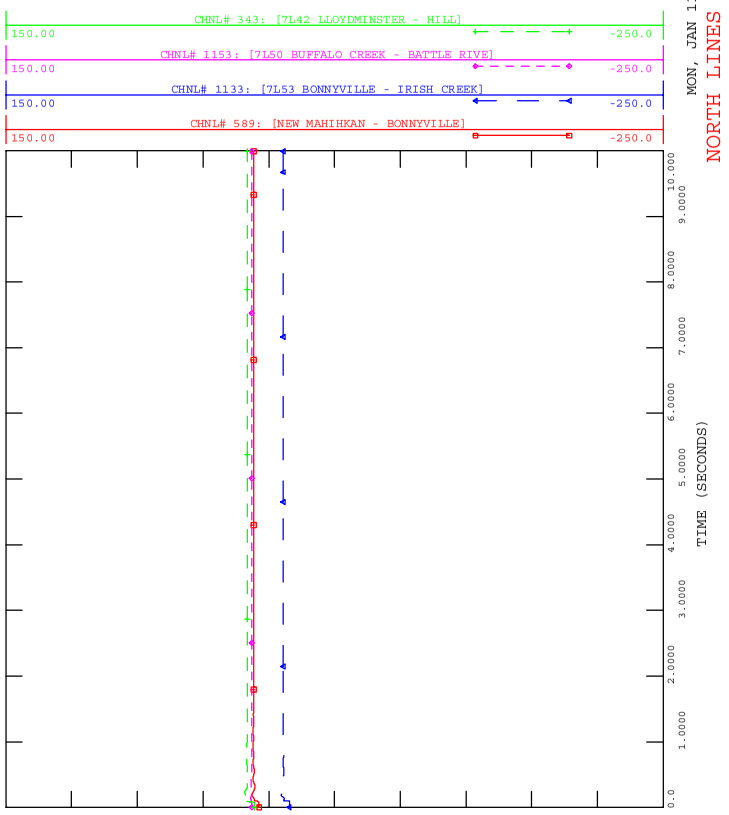


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:16

NORTH LINES VAR FLOW

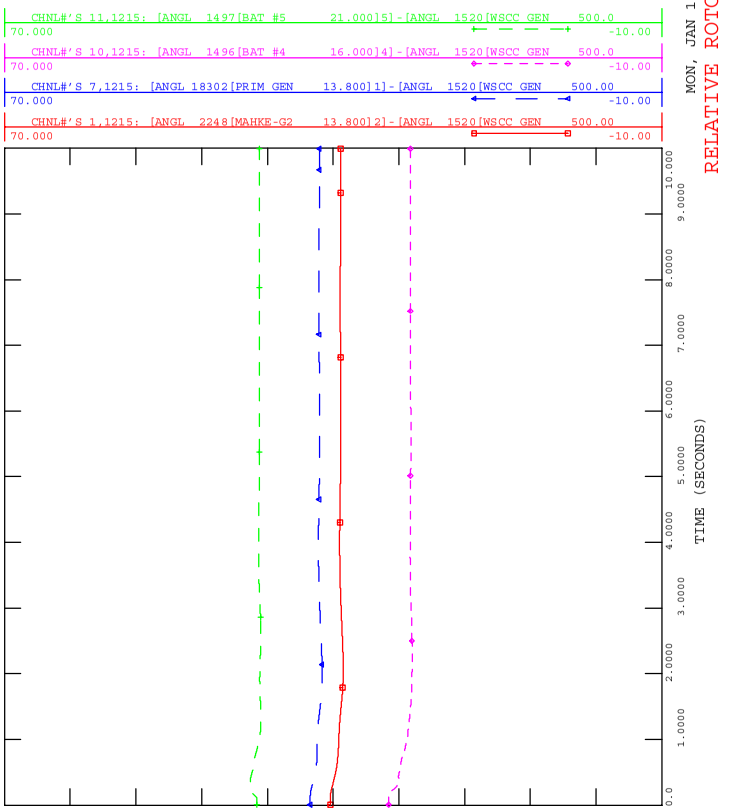


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:17

RELATIVE ROTOR ANGLES

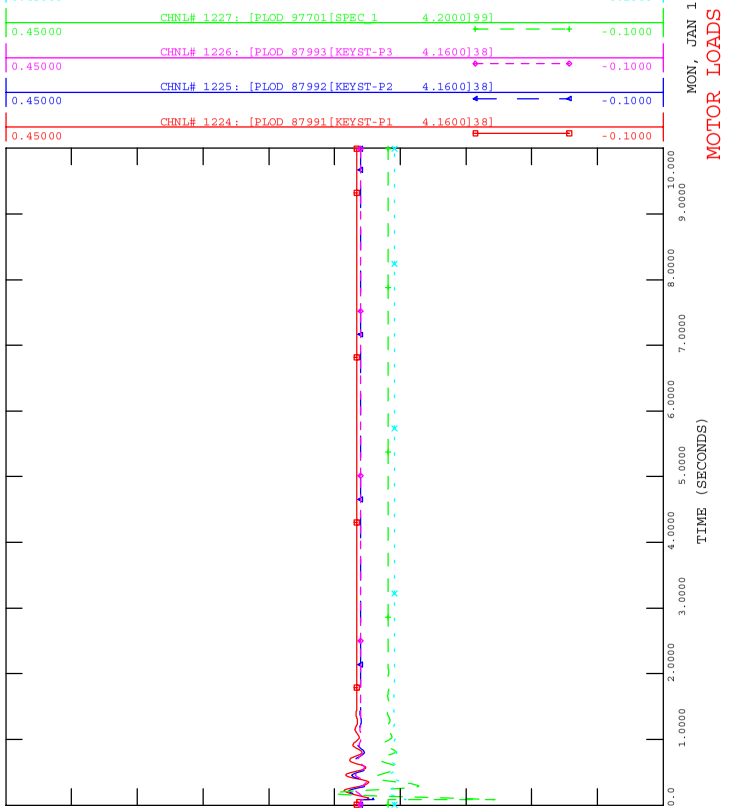


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP II

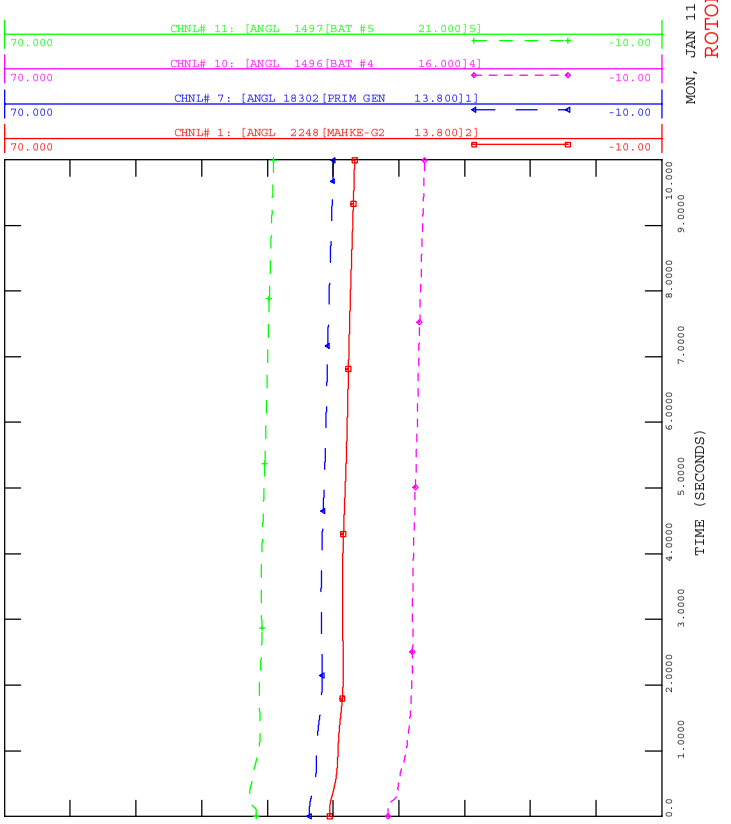


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

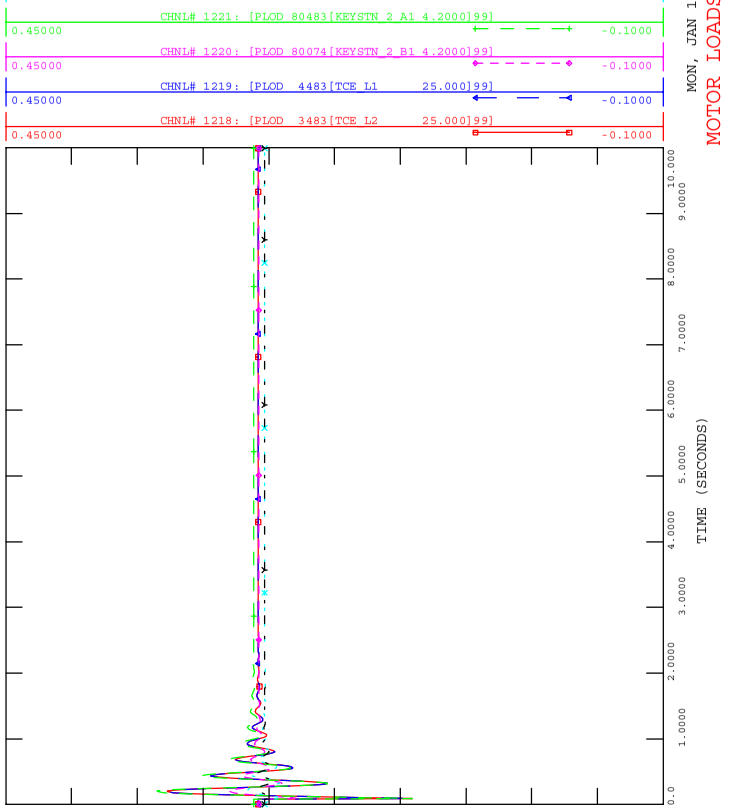


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-3fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP I

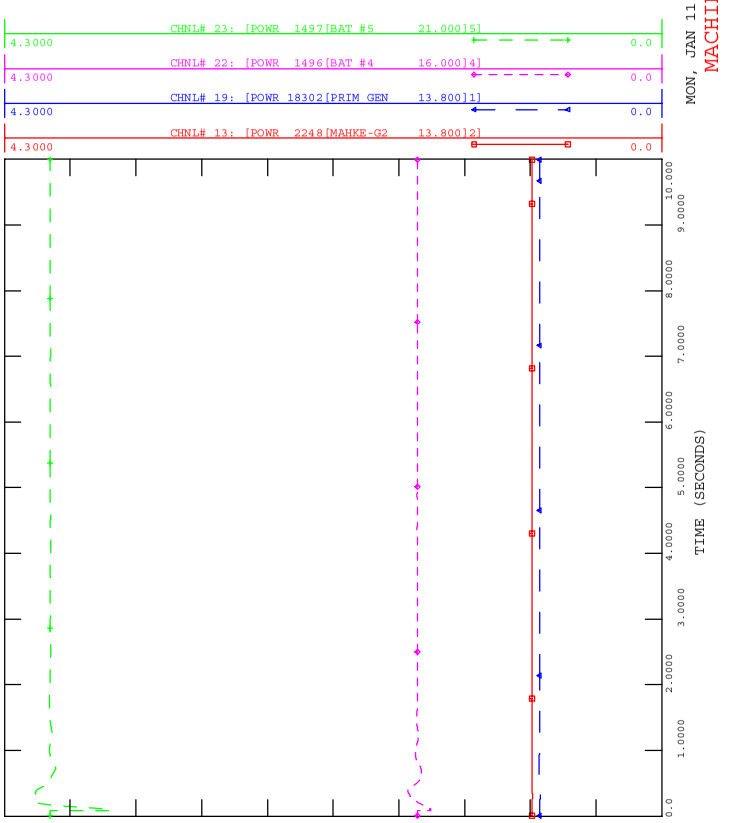


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

MACHINE POWER

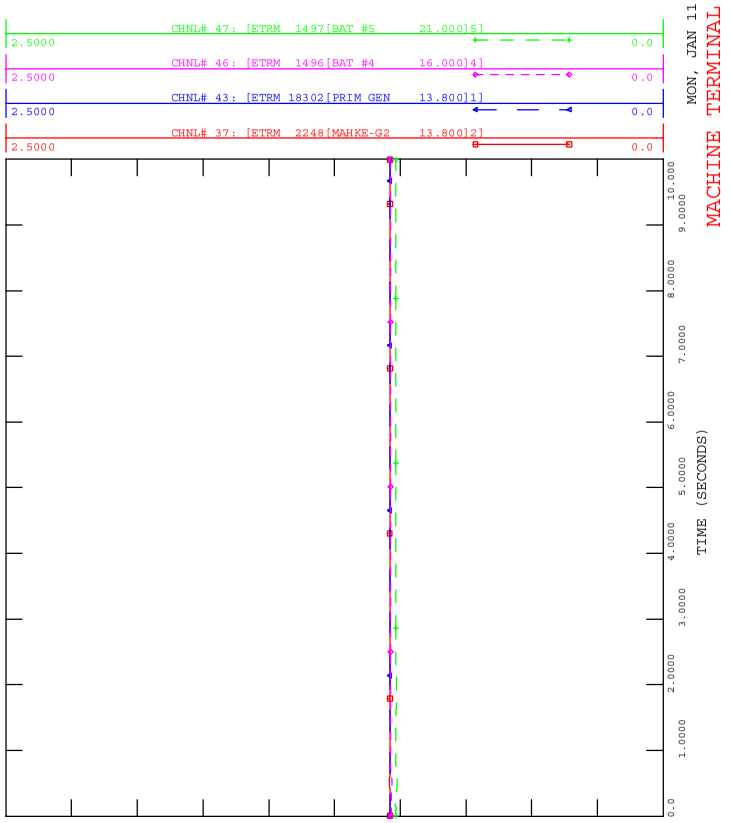


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

MACHINE TERMINAL VOLTAGE

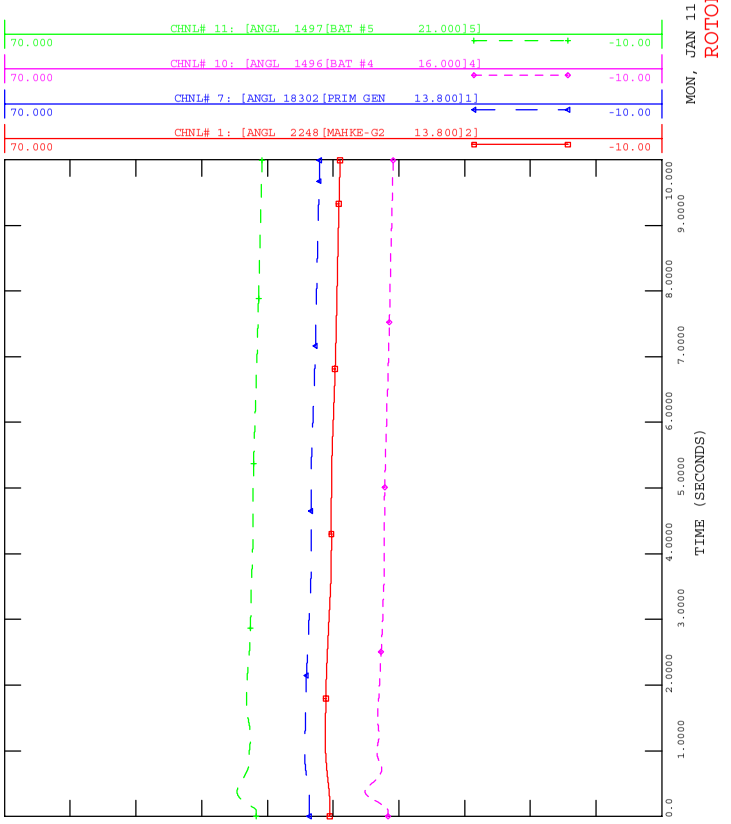


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

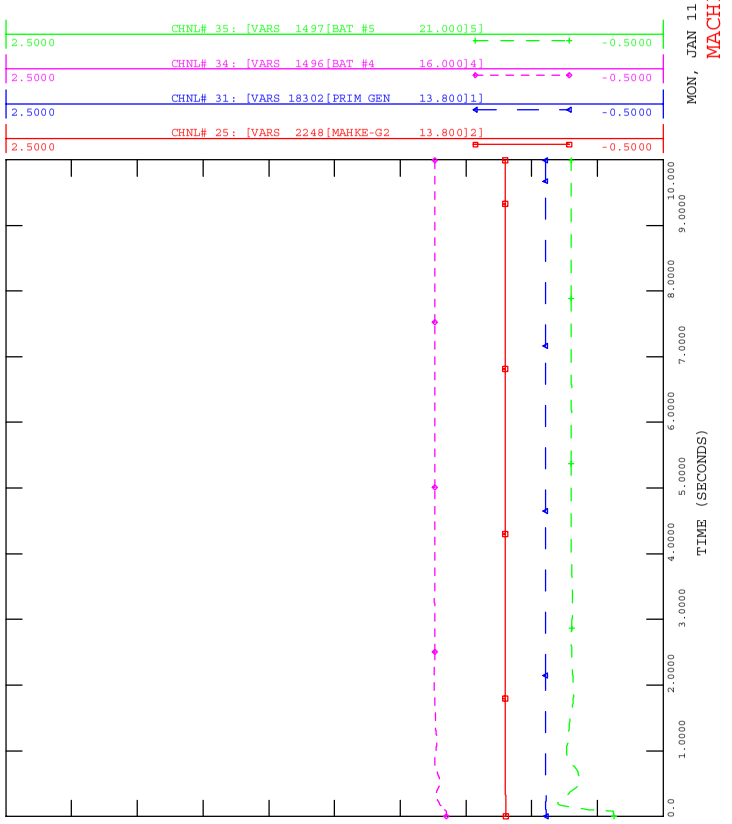


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

MACHINE VARS

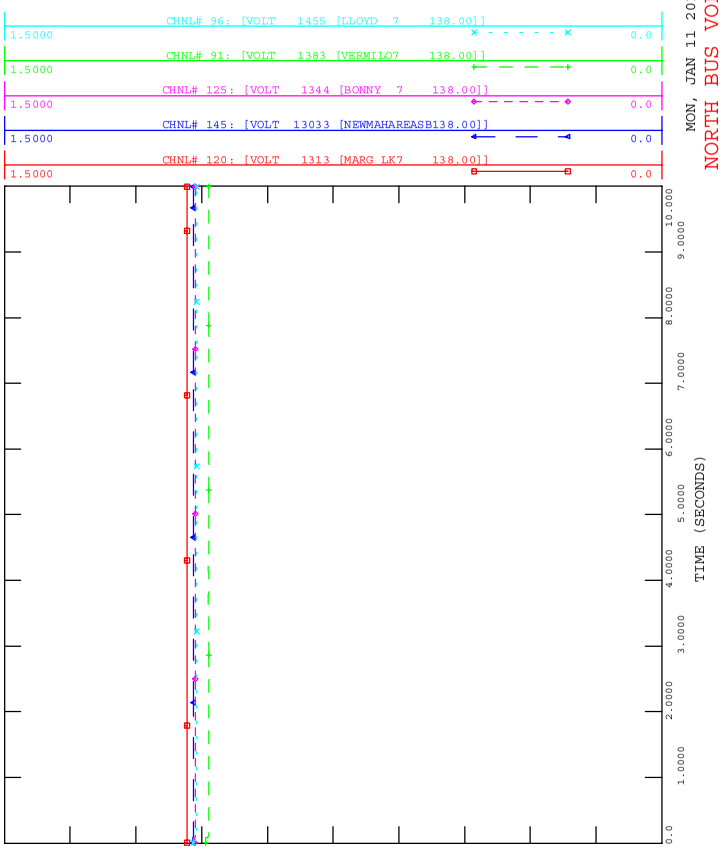


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

NORTH BUS VOLTAGES

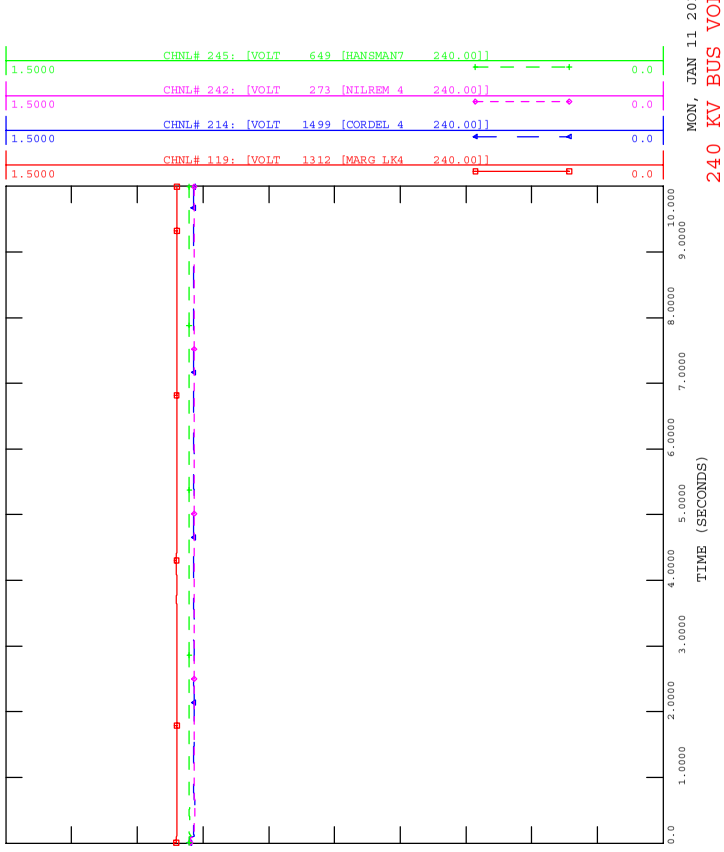


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

240 KV BUS VOLTAGES

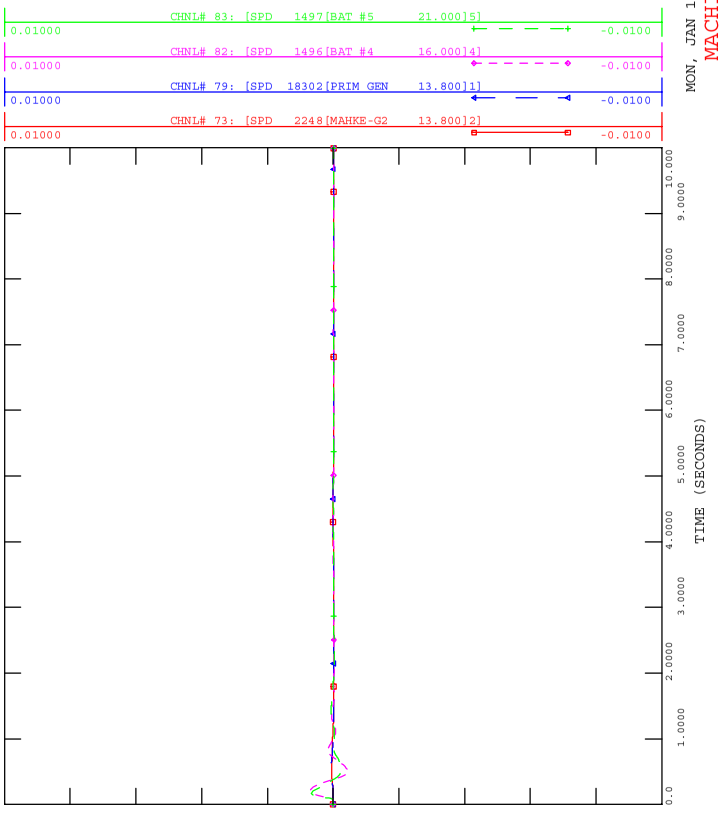


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

MACHINE SPEED

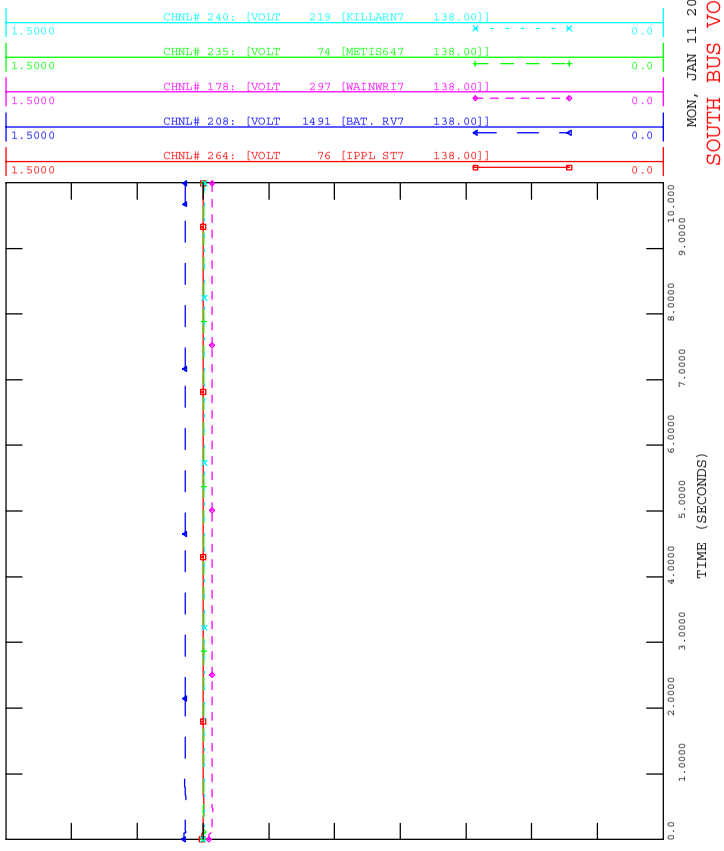


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

SOUTH BUS VOLTAGES

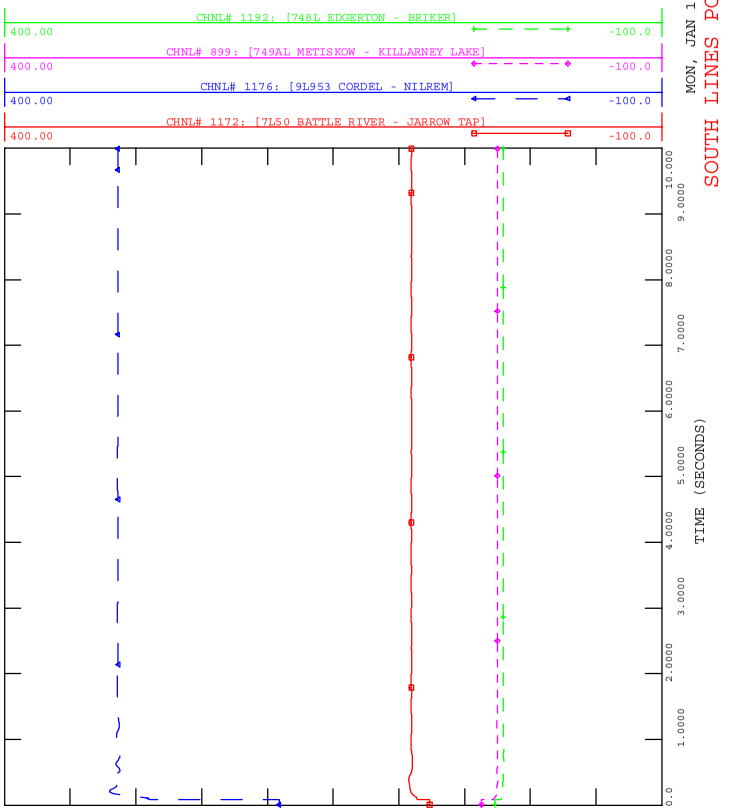


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

SOUTH LINES POWER FLOW

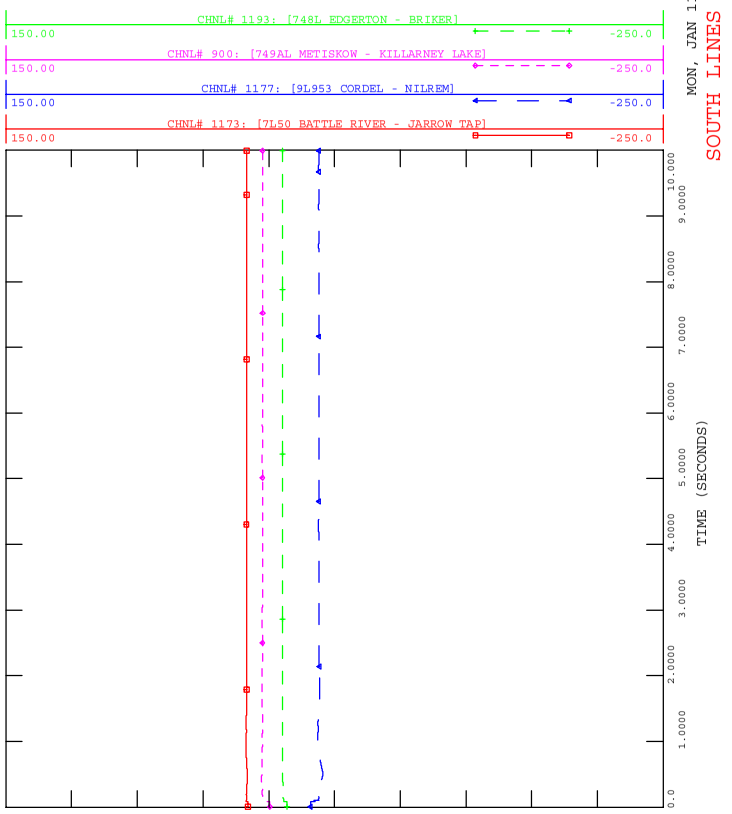


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

SOUTH LINES VAR FLOW

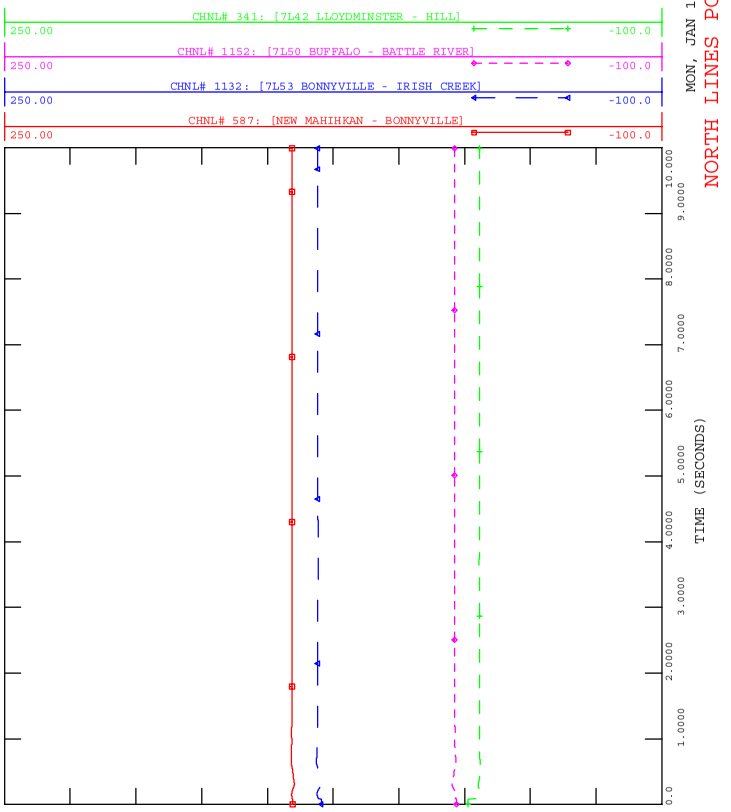


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

NORTH LINES POWER FLOW

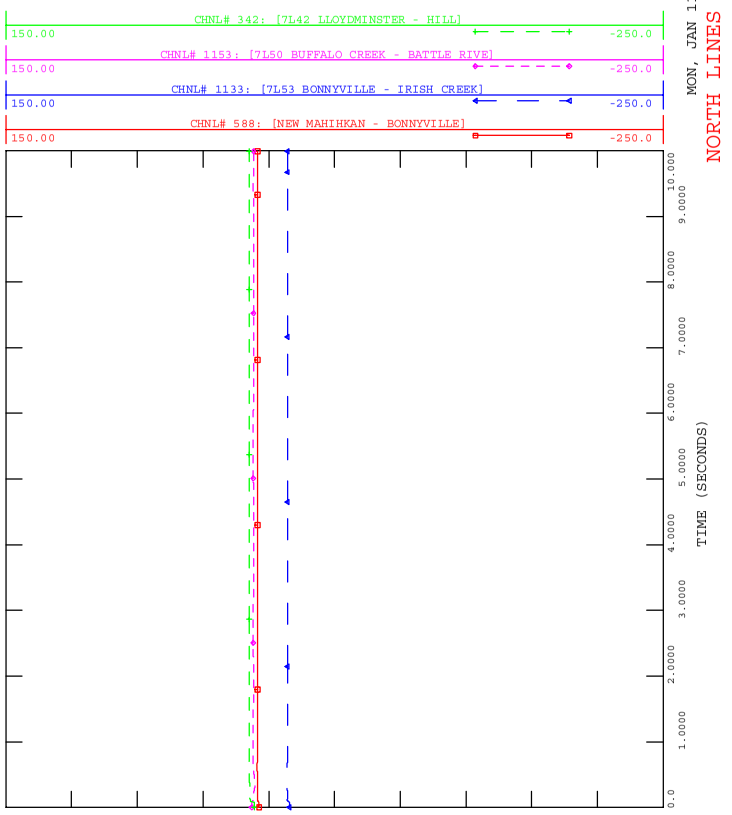


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

NORTH LINES VAR FLOW



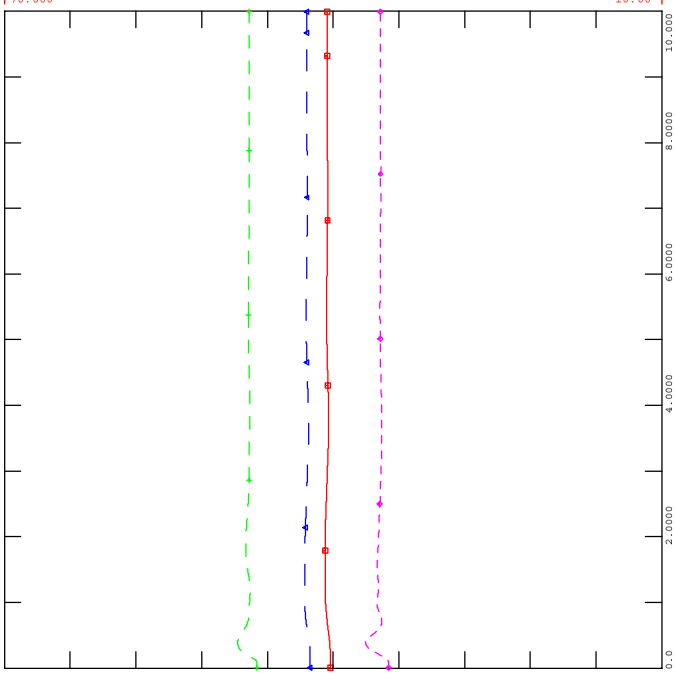
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

RELATIVE ROTOR ANGLES

CHNL#'S 11,1215: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1215: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1215: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1215: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



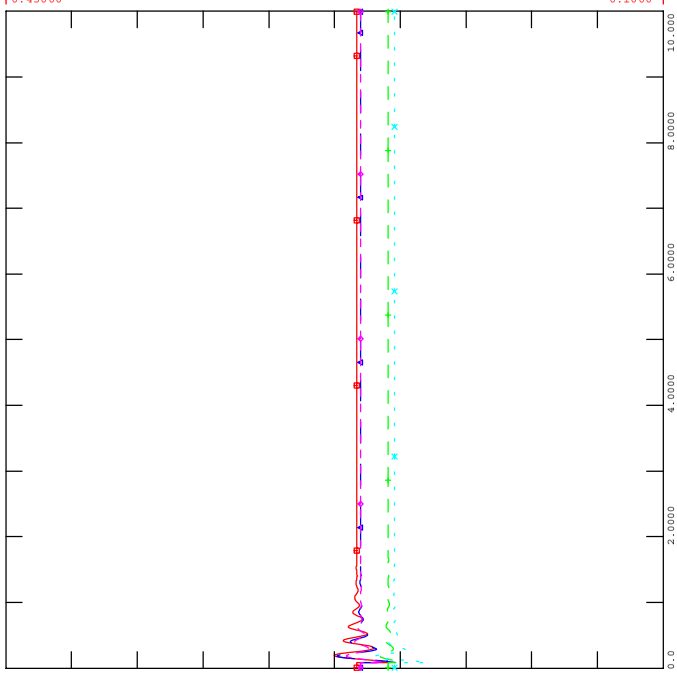
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP II

CHNL# 1228: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1227: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1226: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1225: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1224: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



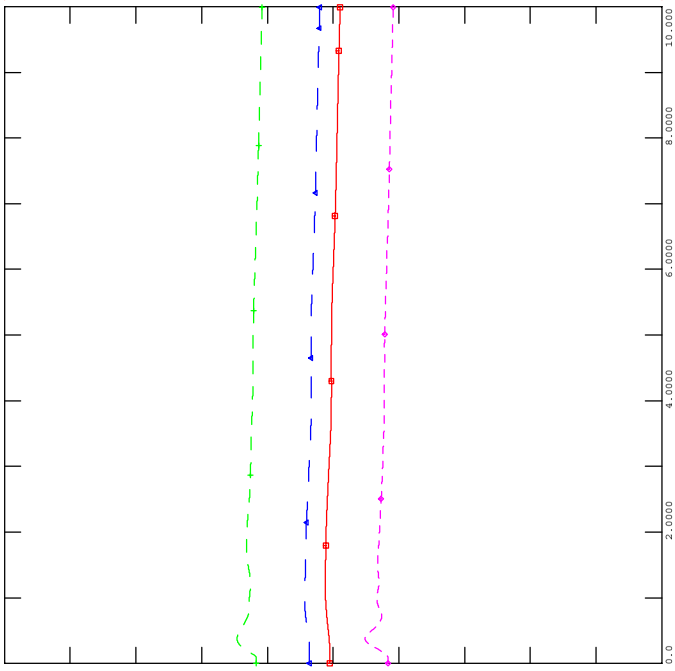
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



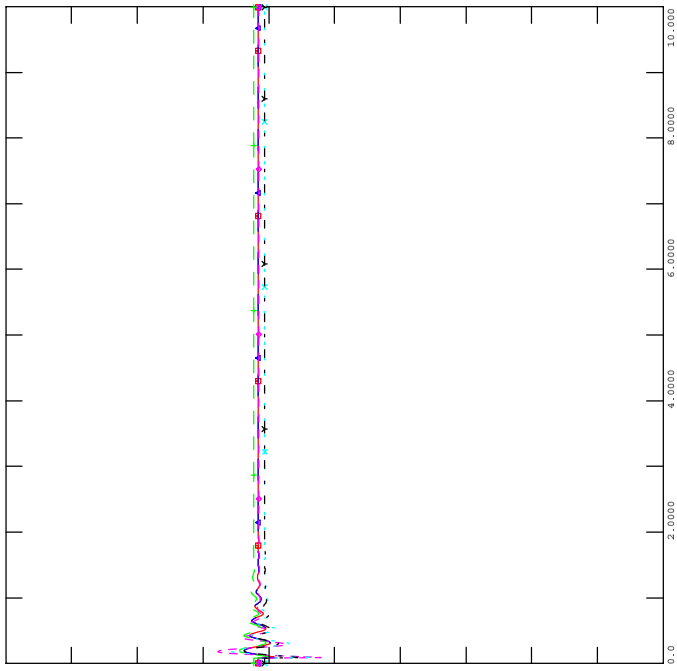
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C5-4fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP I

CHNL# 1223: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1222: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1221: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1220: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

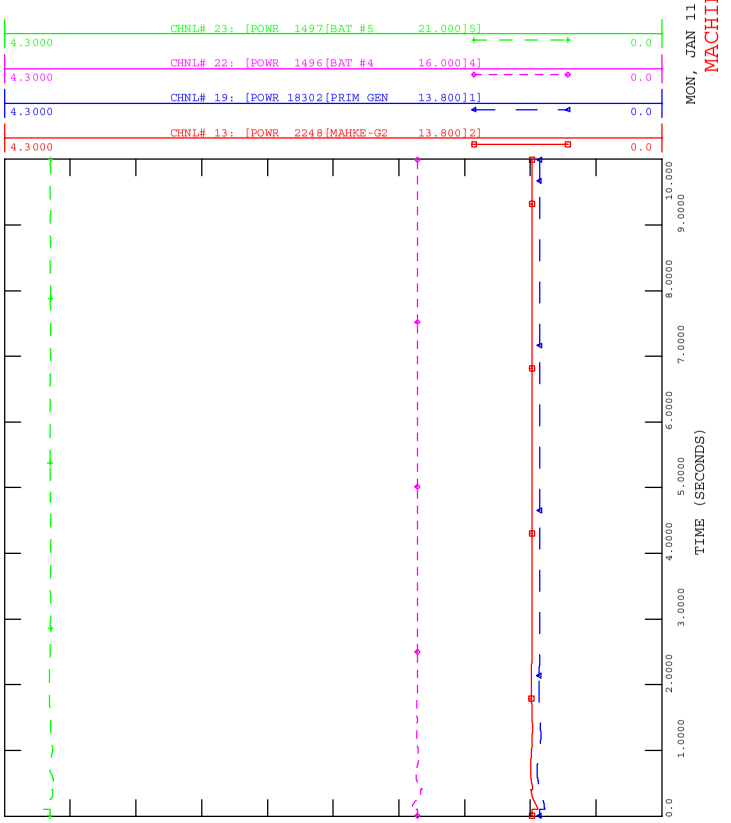


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

MACHINE POWER

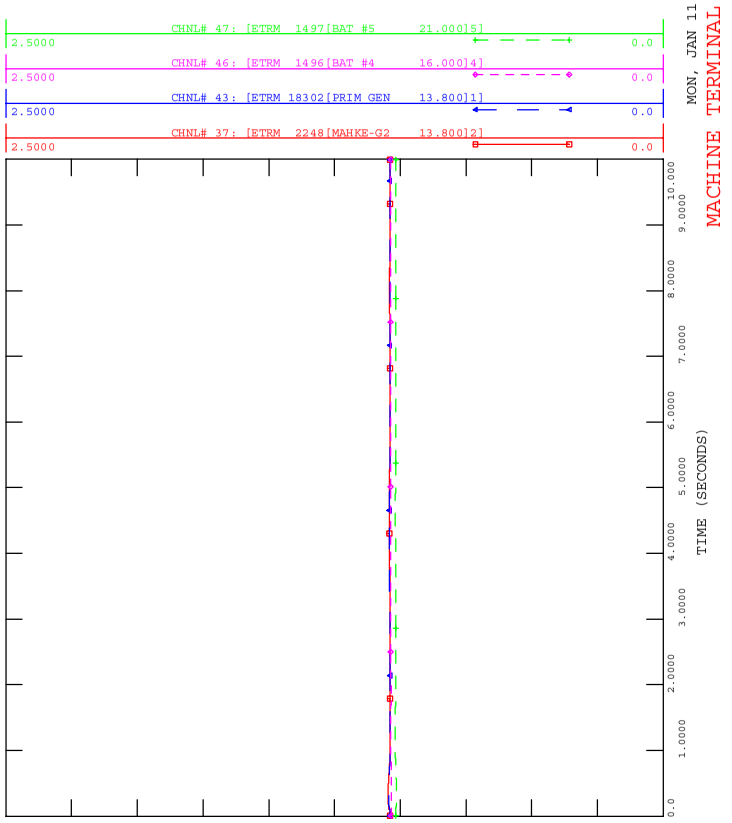


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

MACHINE TERMINAL VOLTAGE

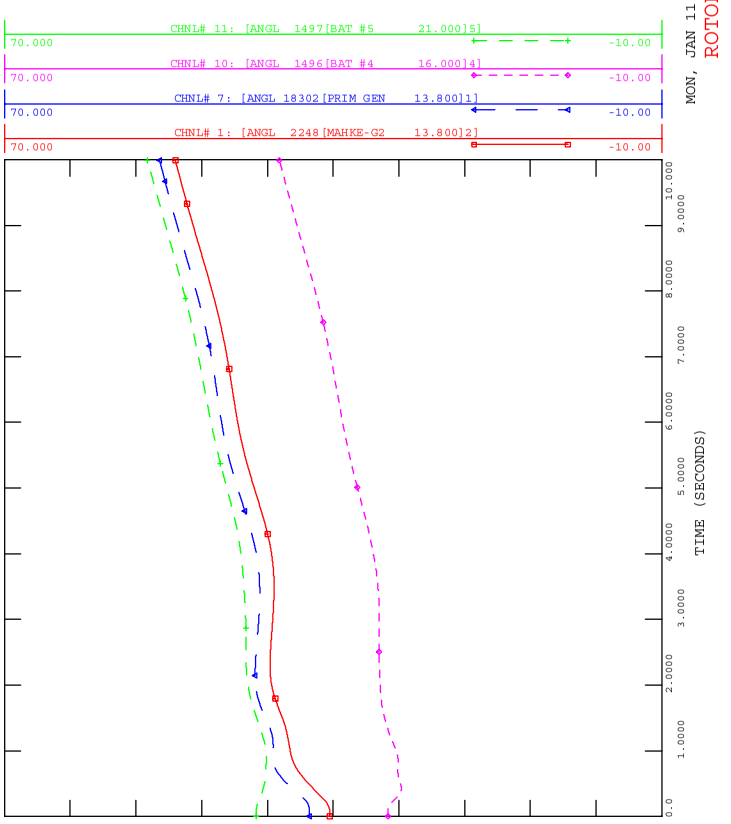


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

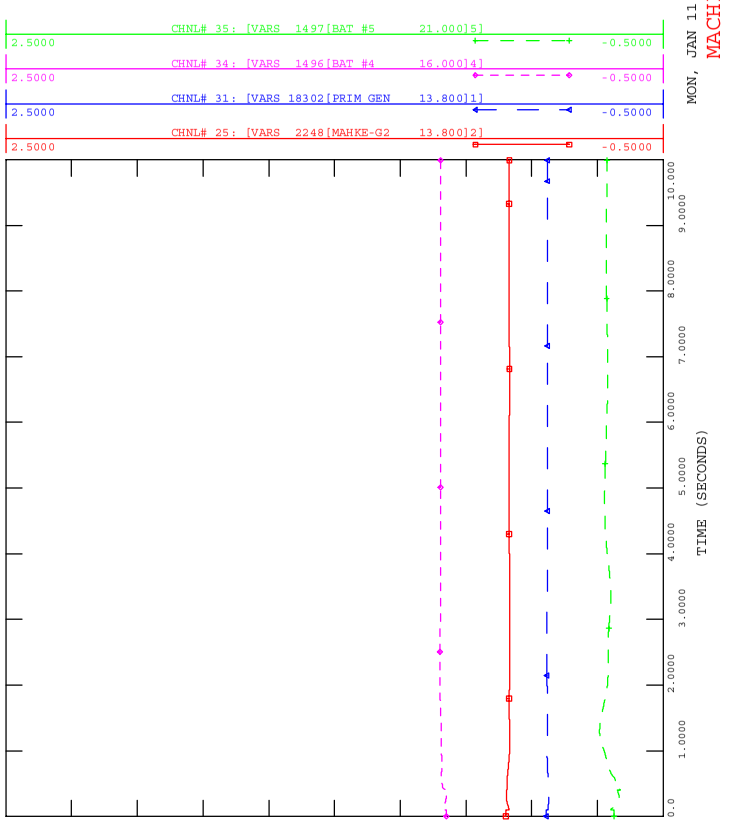


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

MACHINE VARS

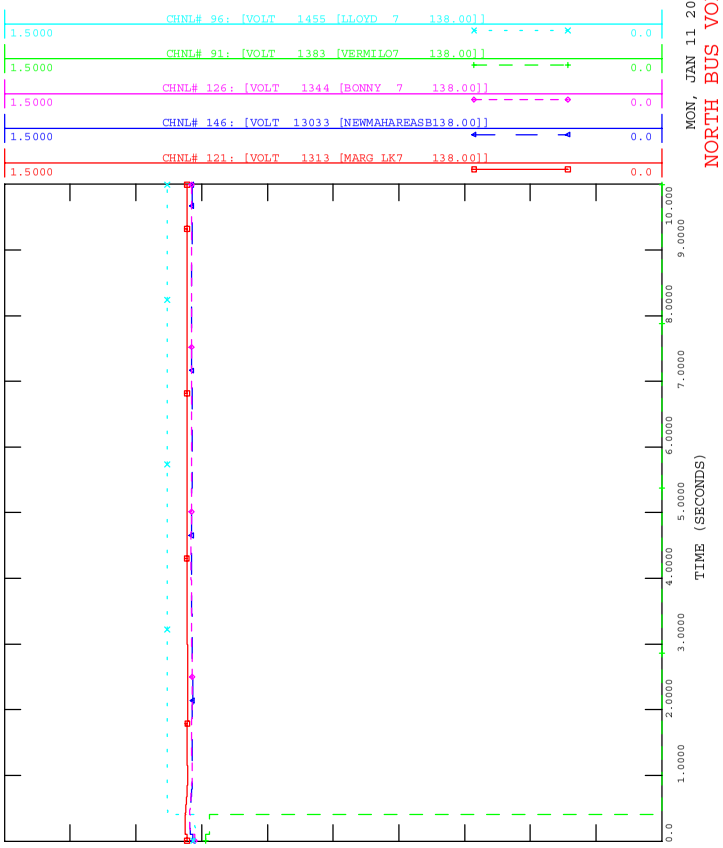


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

NORTH BUS VOLTAGES

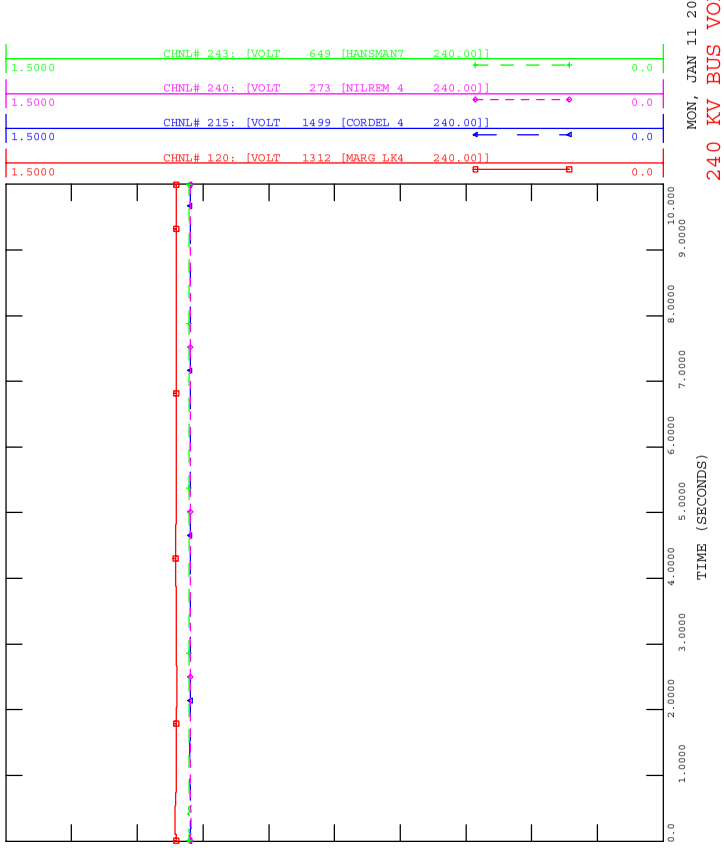


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

240 KV BUS VOLTAGES

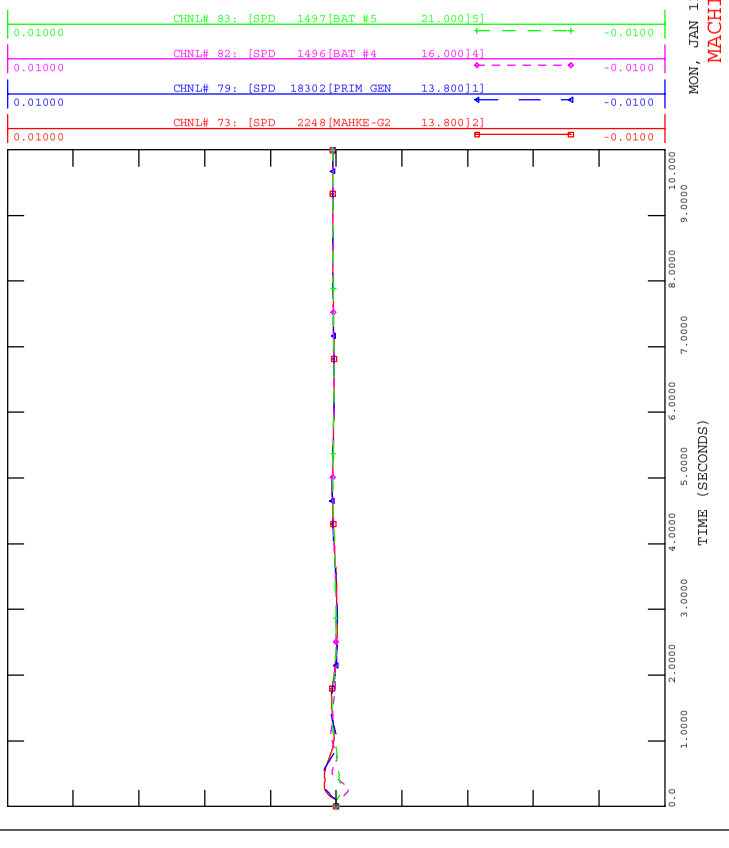


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

MACHINE SPEED

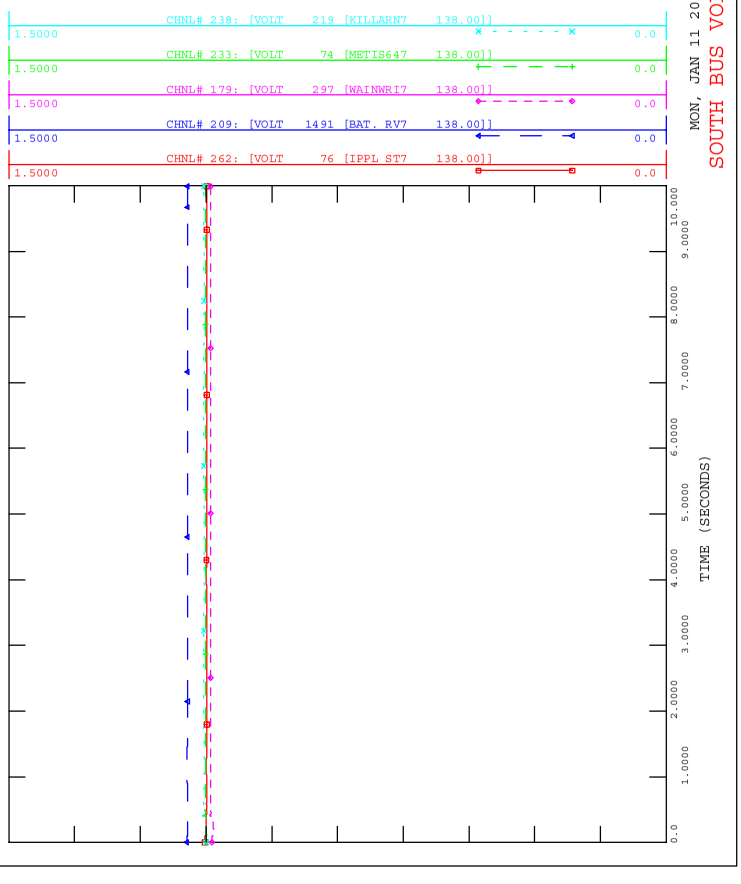


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

SOUTH BUS VOLTAGES

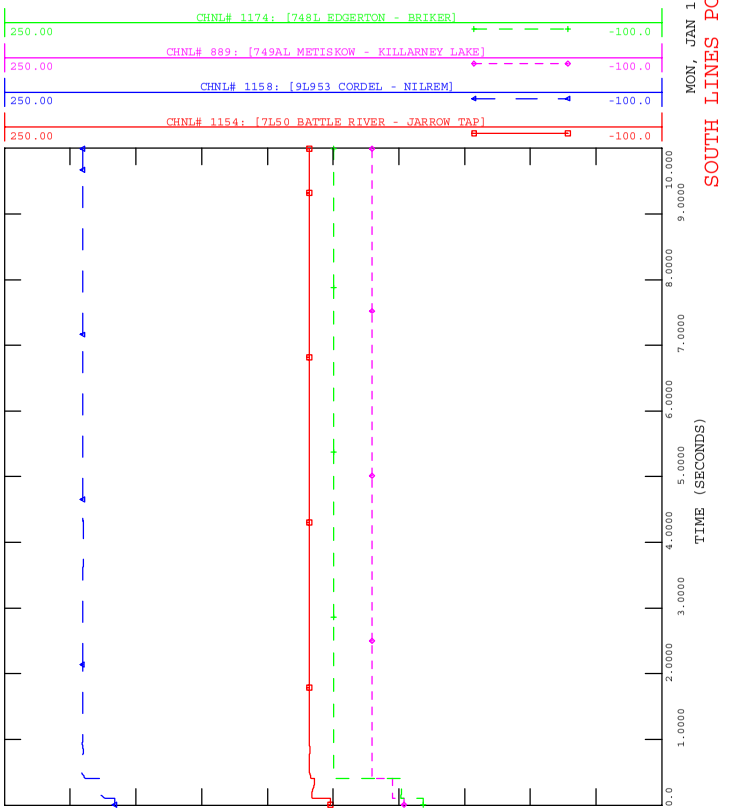


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

SOUTH LINES POWER FLOW

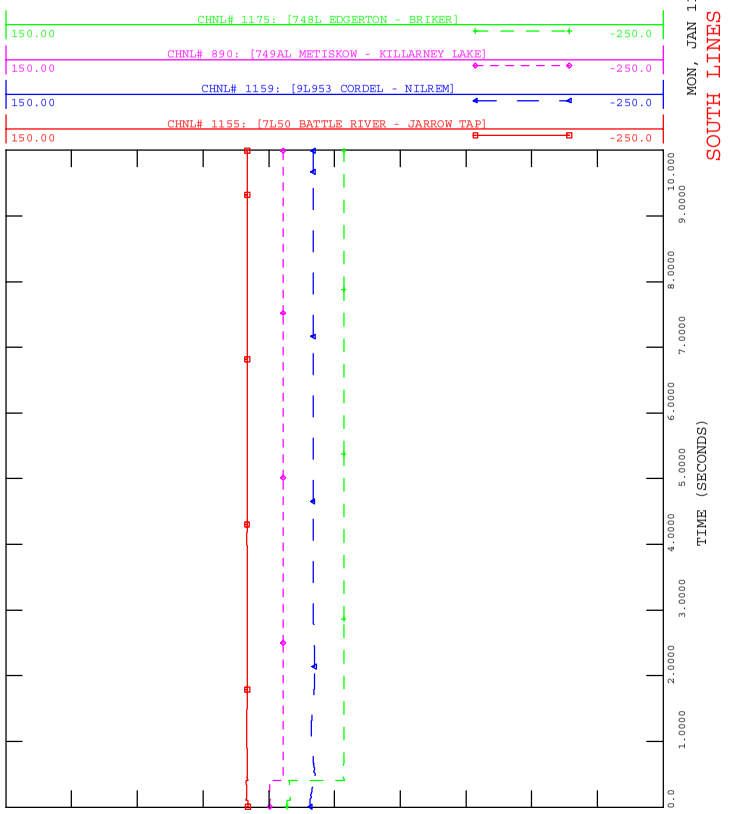


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

SOUTH LINES VAR FLOW

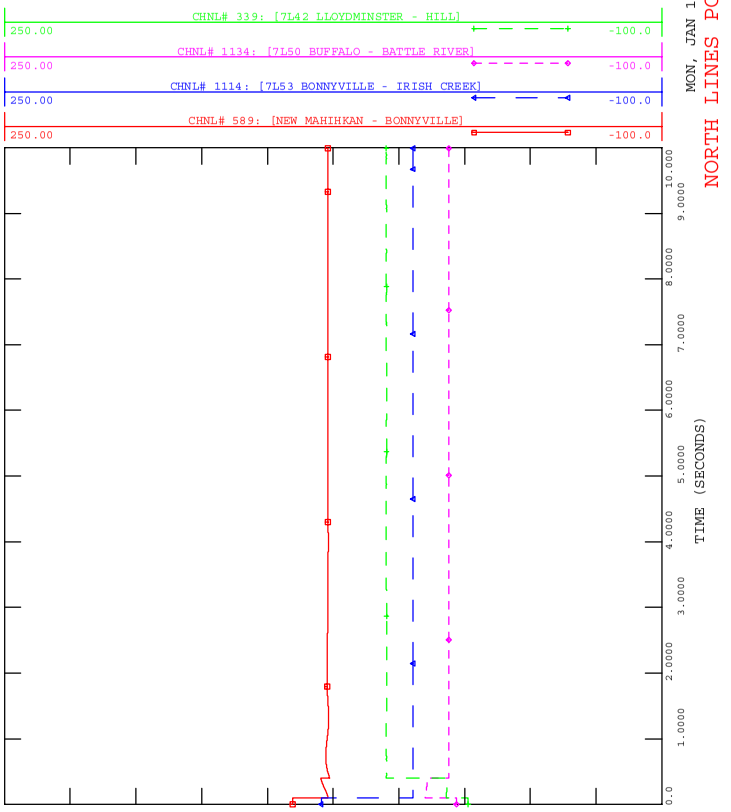


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

NORTH LINES POWER FLOW

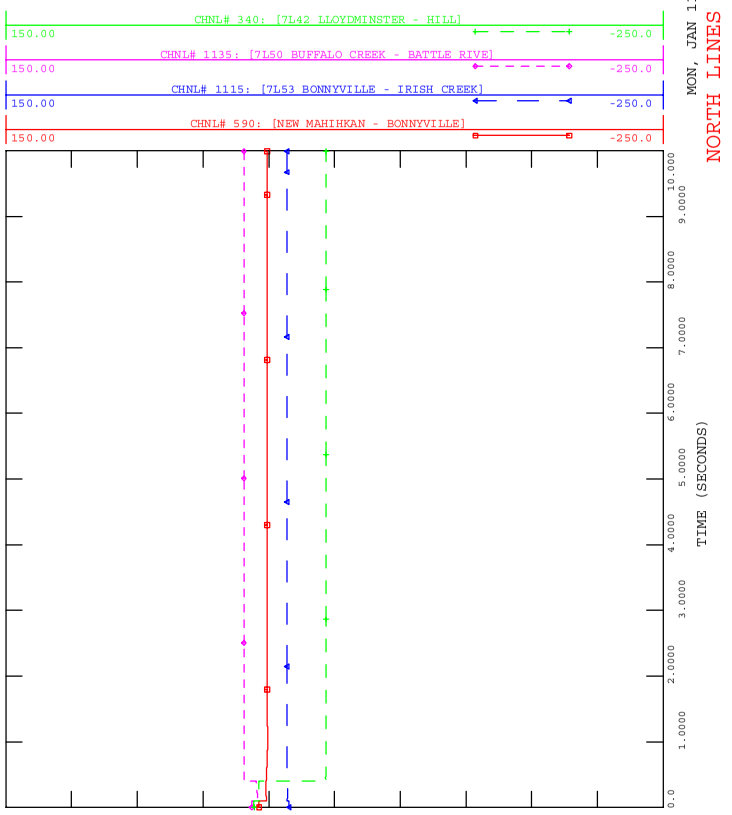


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

NORTH LINES VAR FLOW



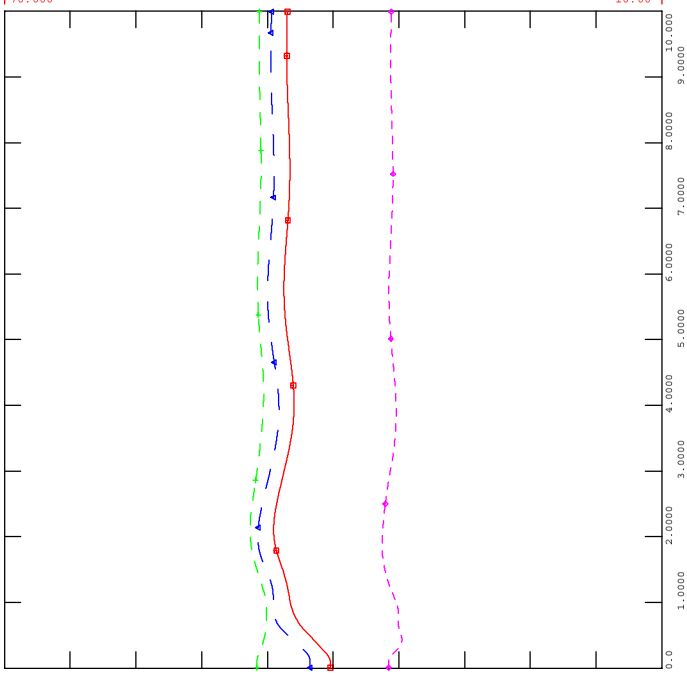
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



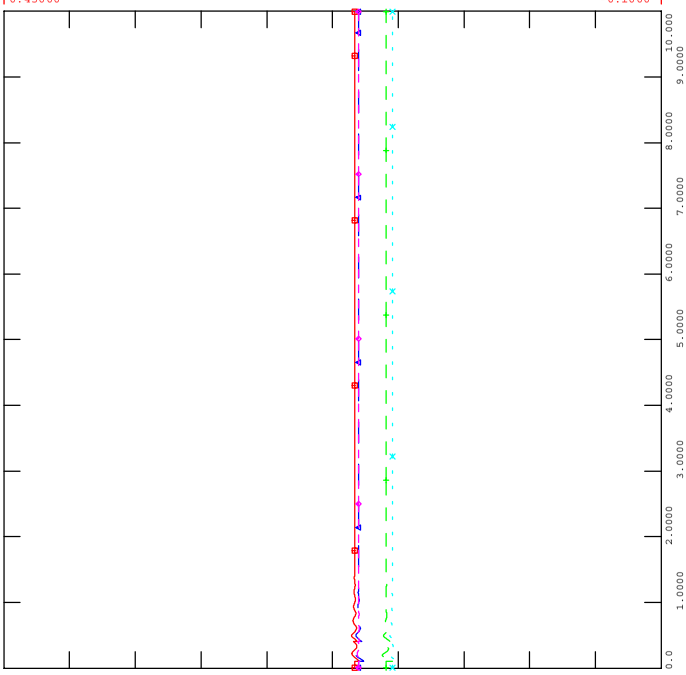
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



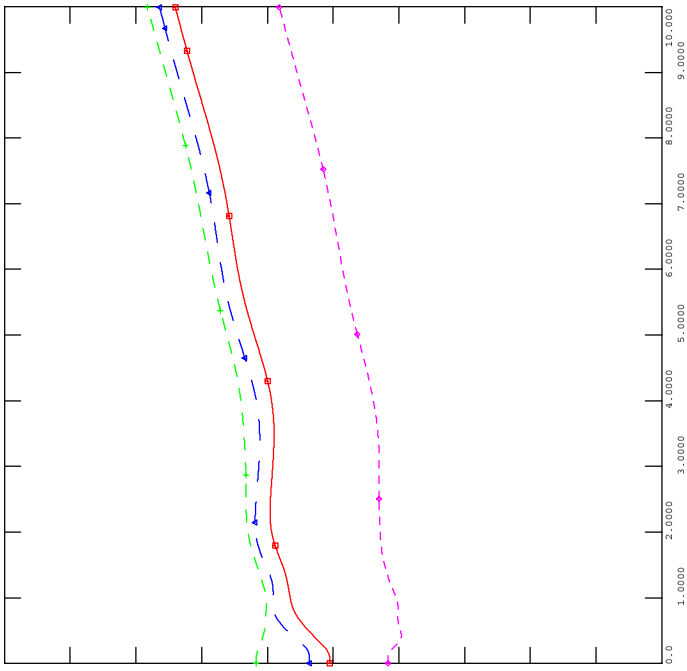
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



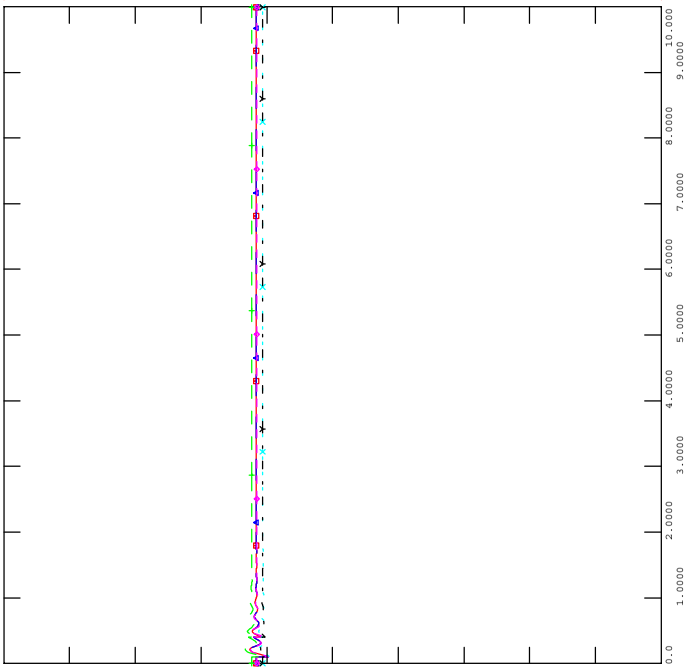
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-1fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

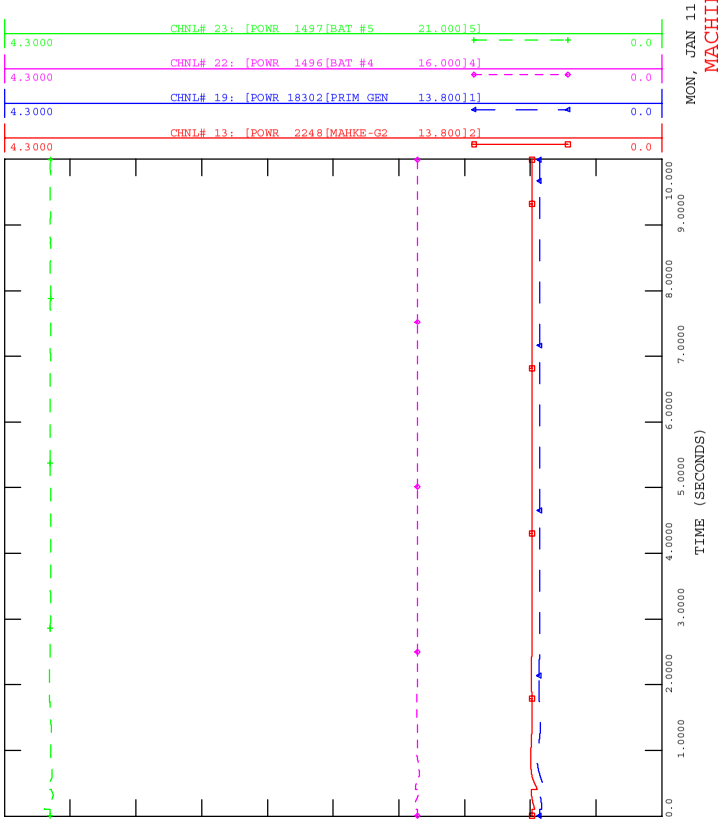


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

MACHINE POWER

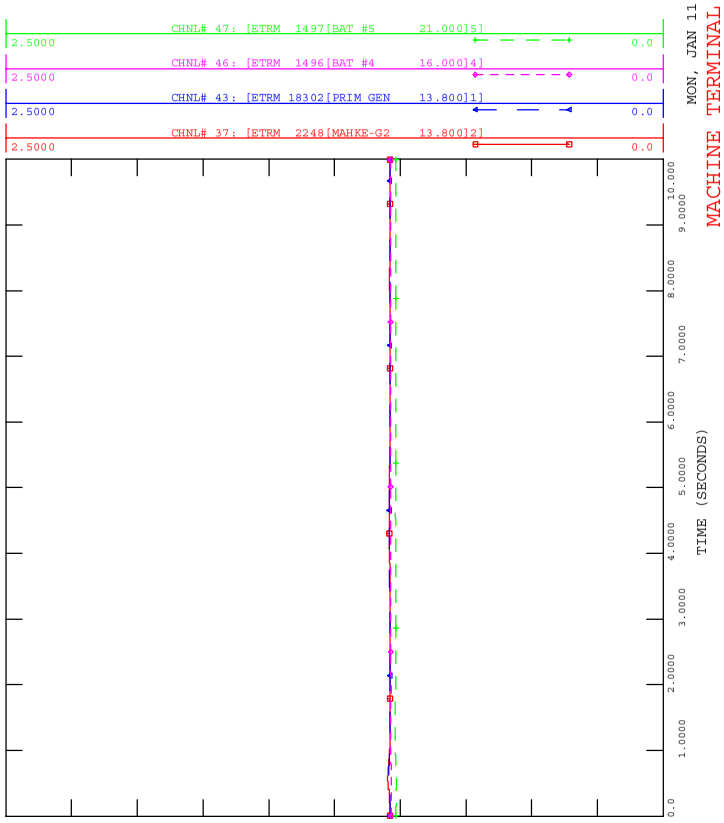


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

MACHINE TERMINAL VOLTAGE

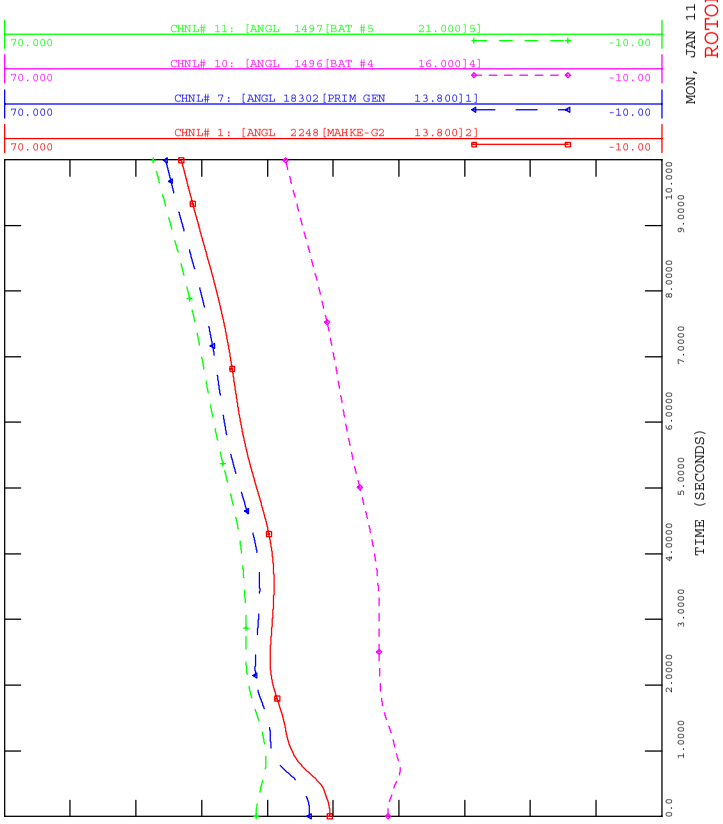


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

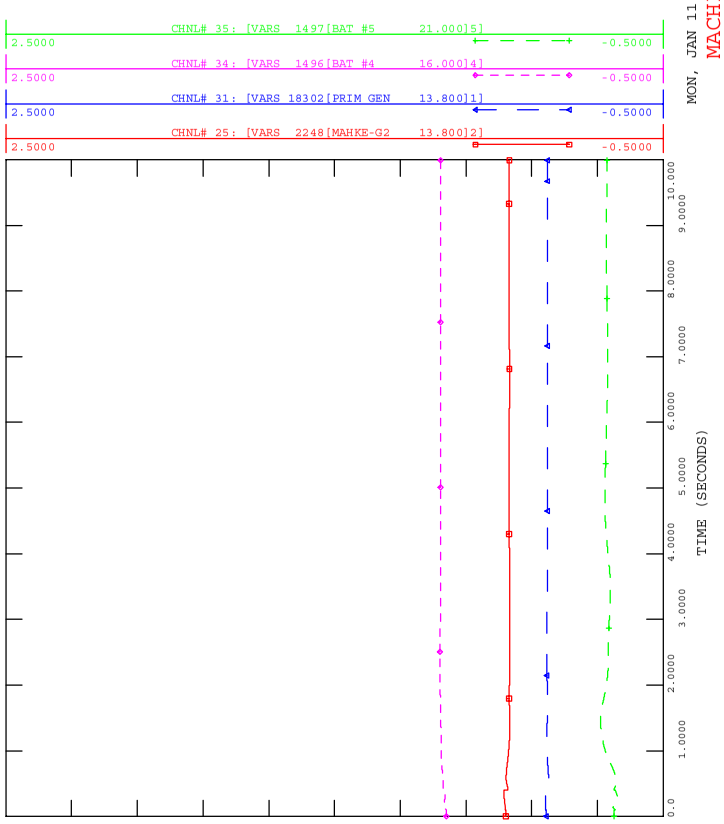


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

MACHINE VARS

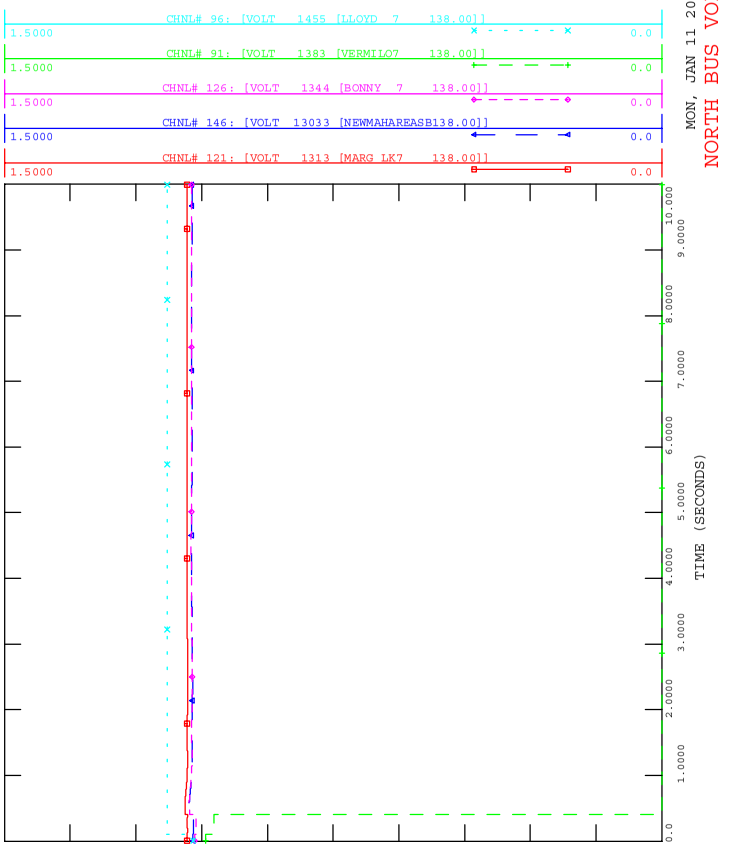


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

NORTH BUS VOLTAGES

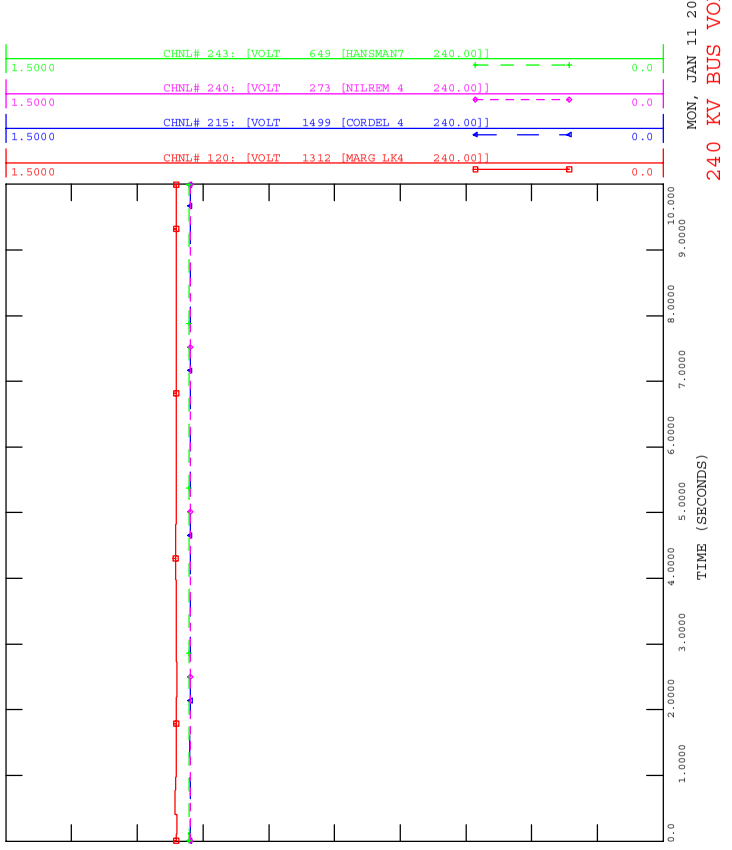


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

240 KV BUS VOLTAGES

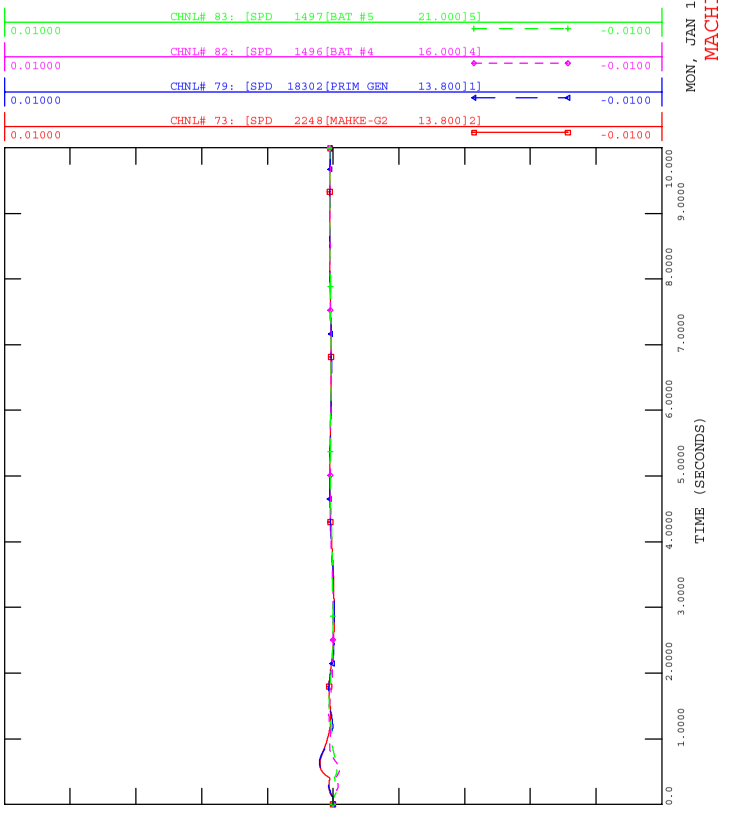


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

MACHINE SPEED

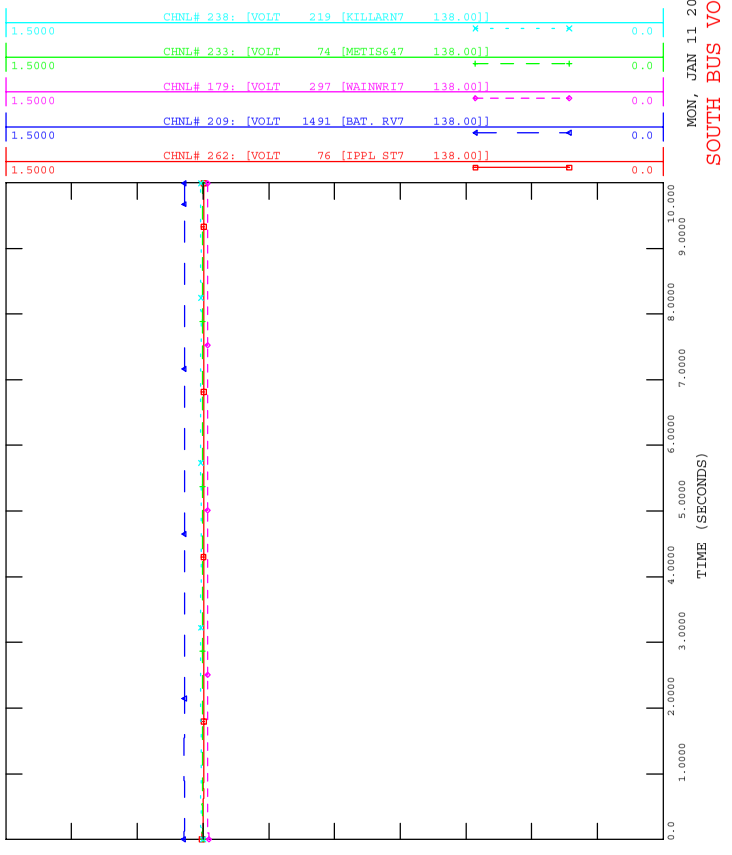


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

SOUTH BUS VOLTAGES

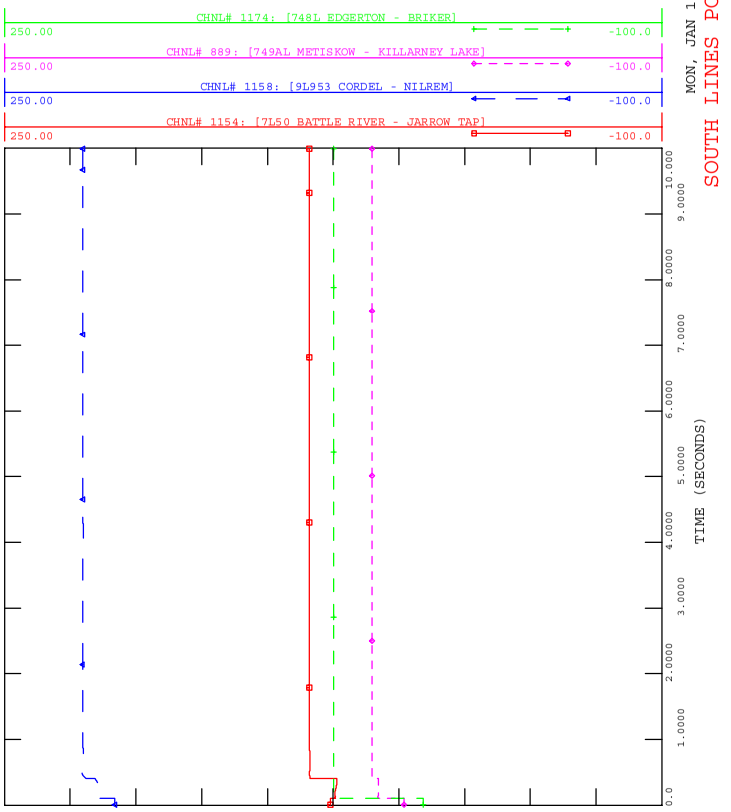


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

SOUTH LINES POWER FLOW

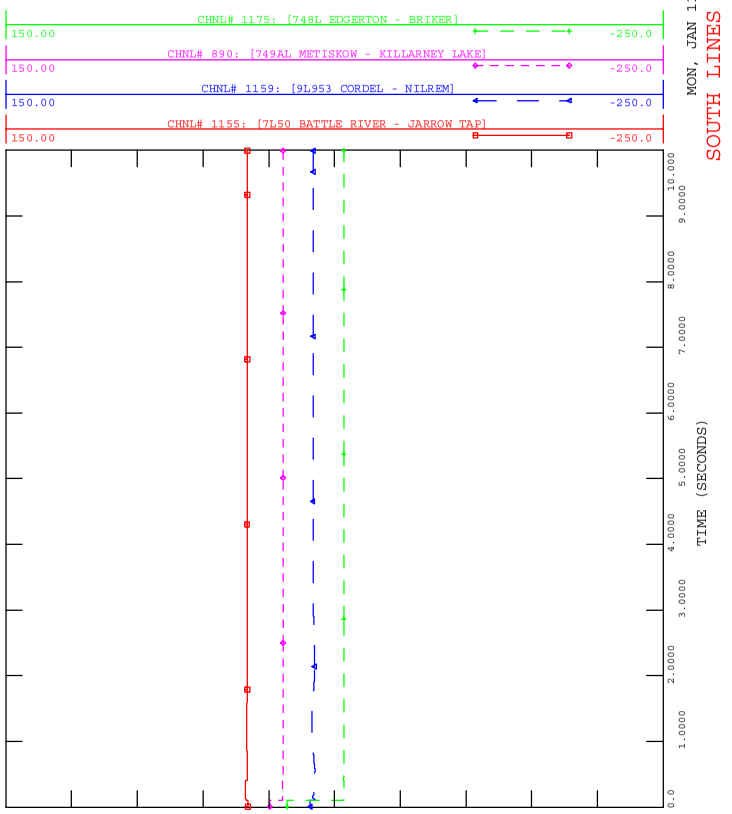


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

SOUTH LINES VAR FLOW

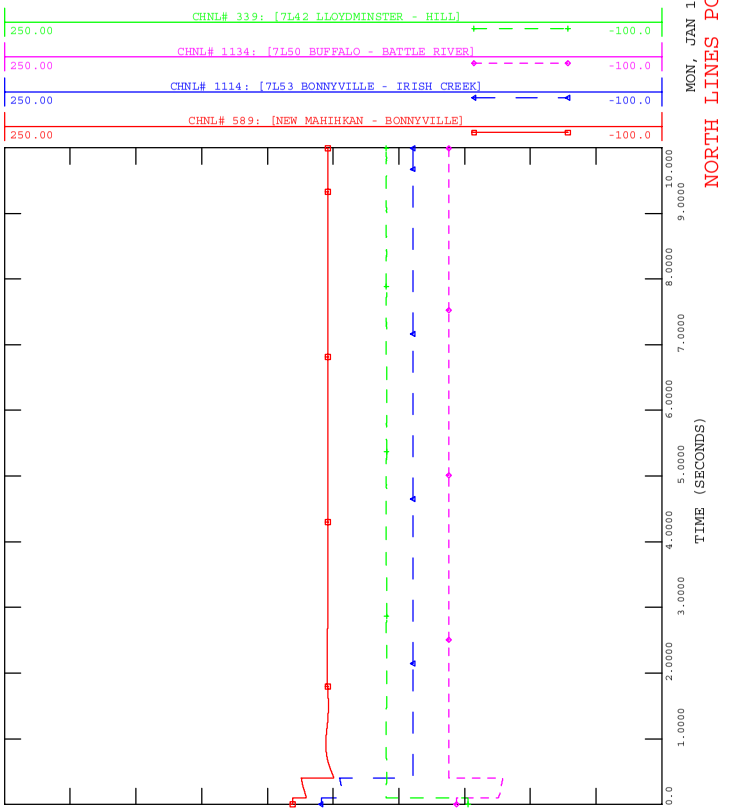


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

NORTH LINES POWER FLOW

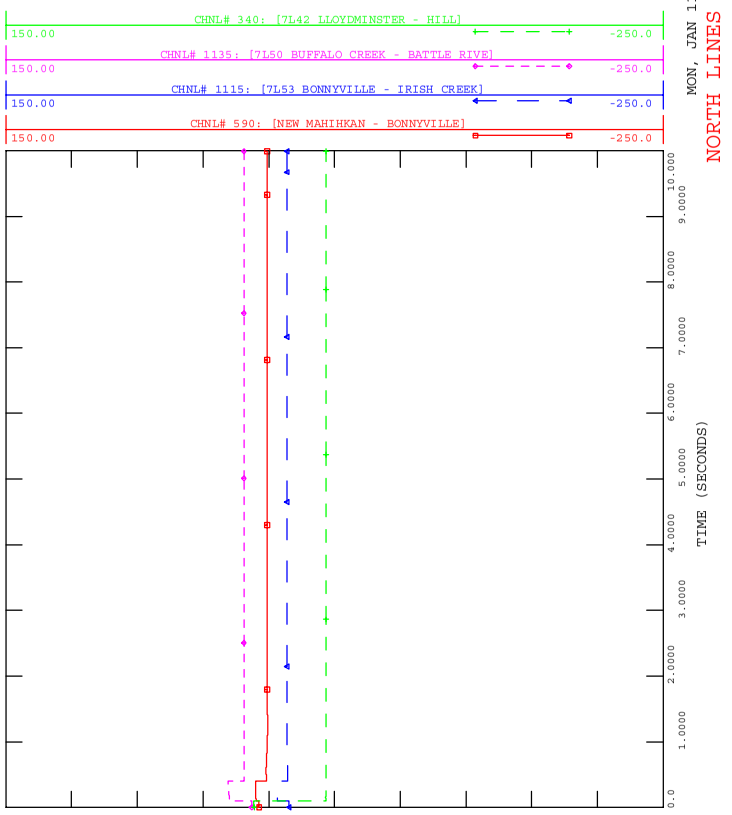


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

NORTH LINES VAR FLOW



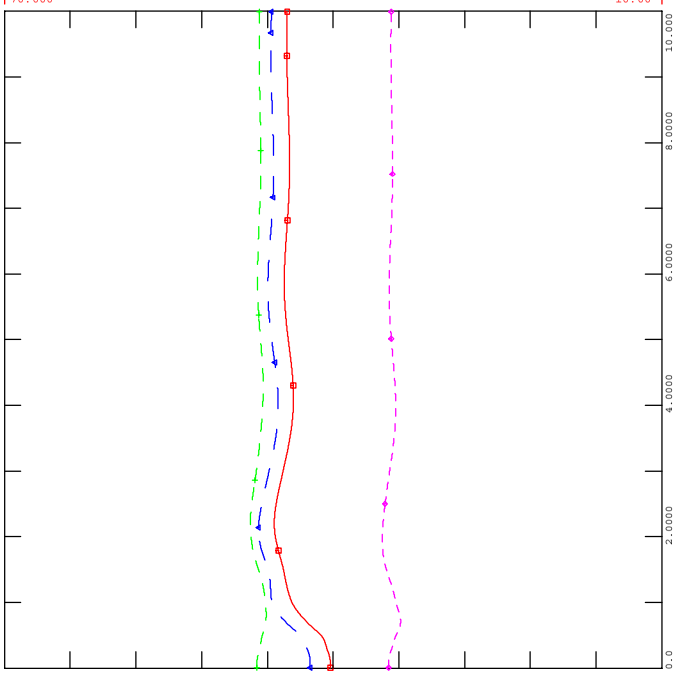
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



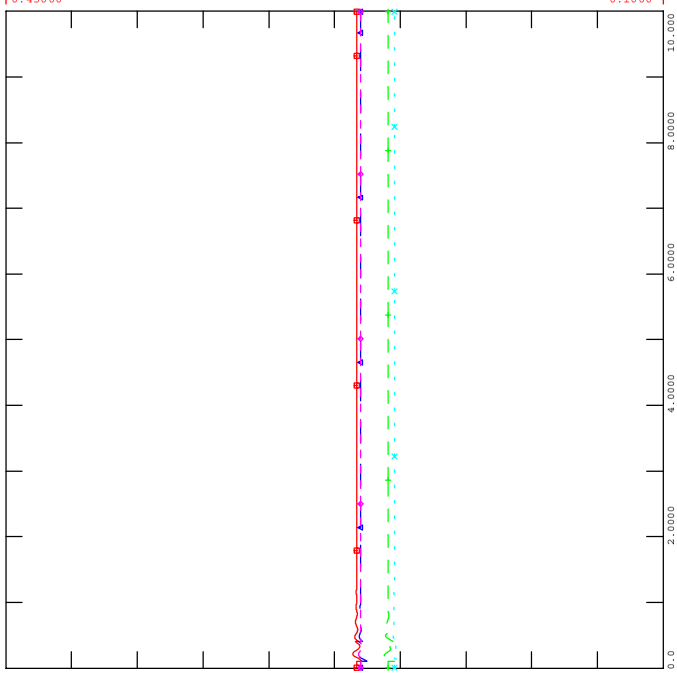
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



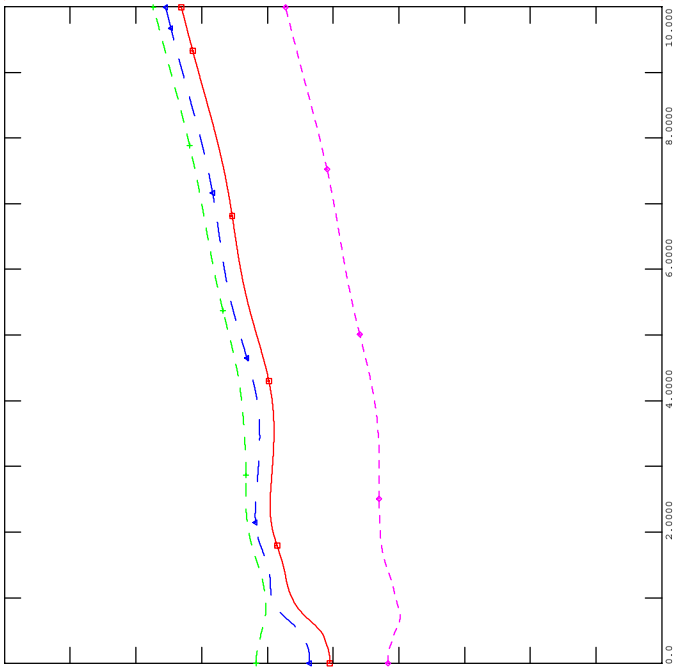
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



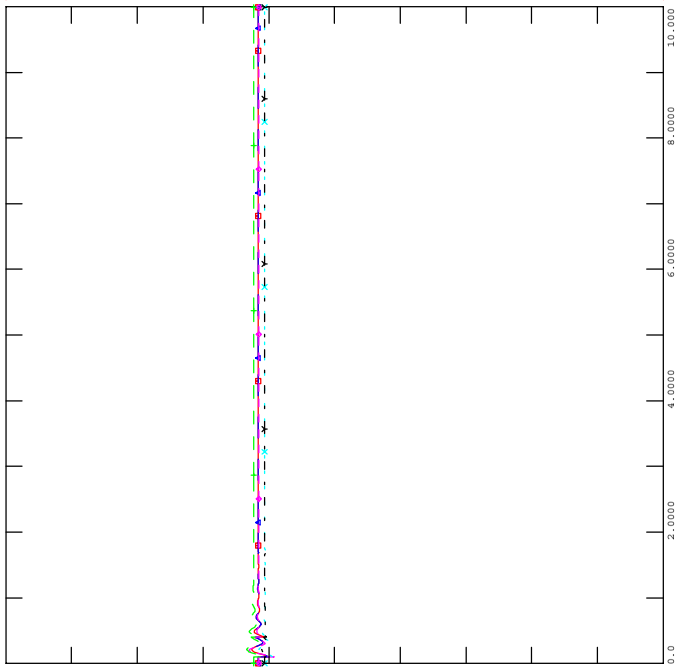
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-2fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

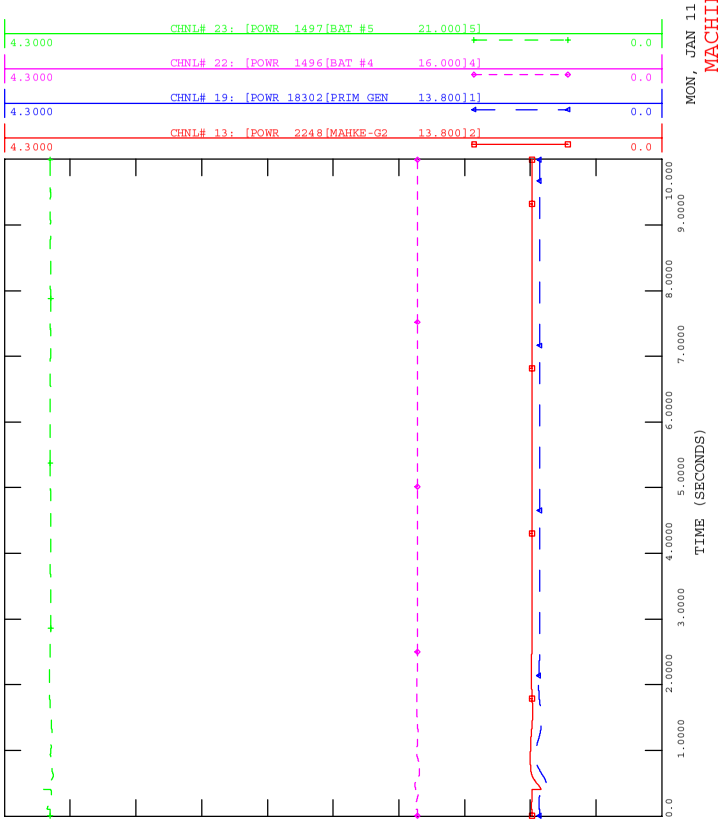


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

MACHINE POWER

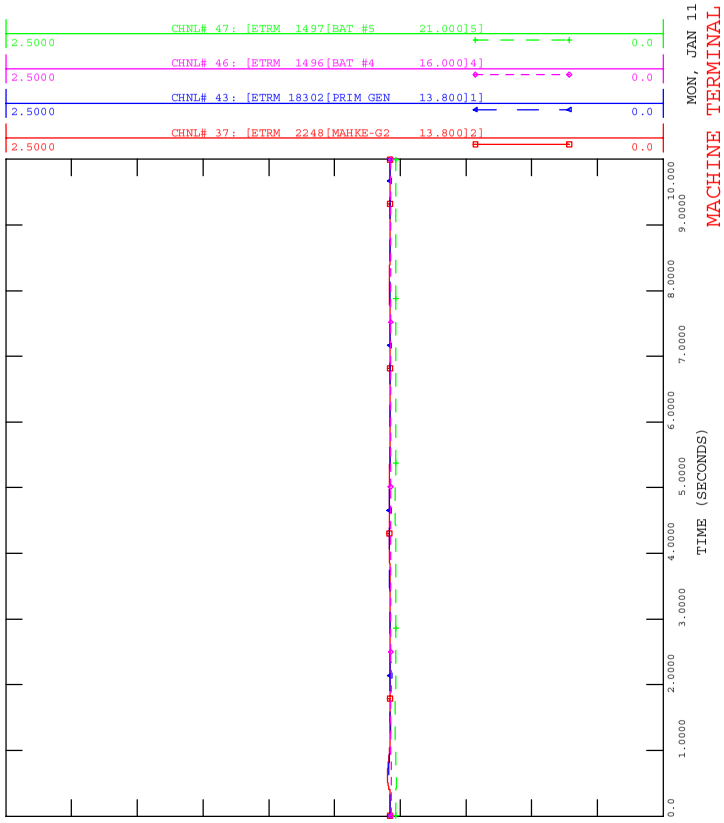


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

MACHINE TERMINAL VOLTAGE

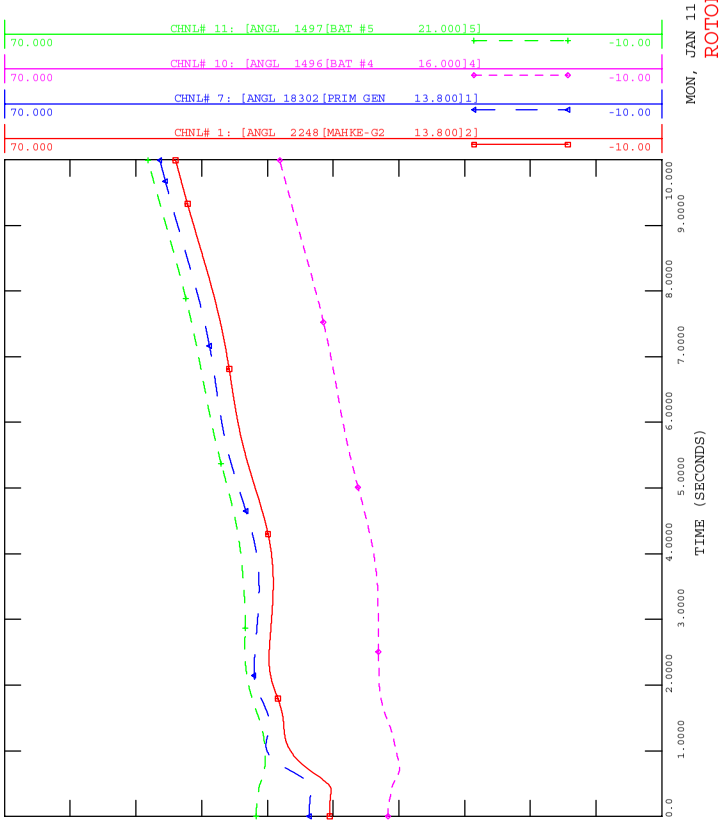


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

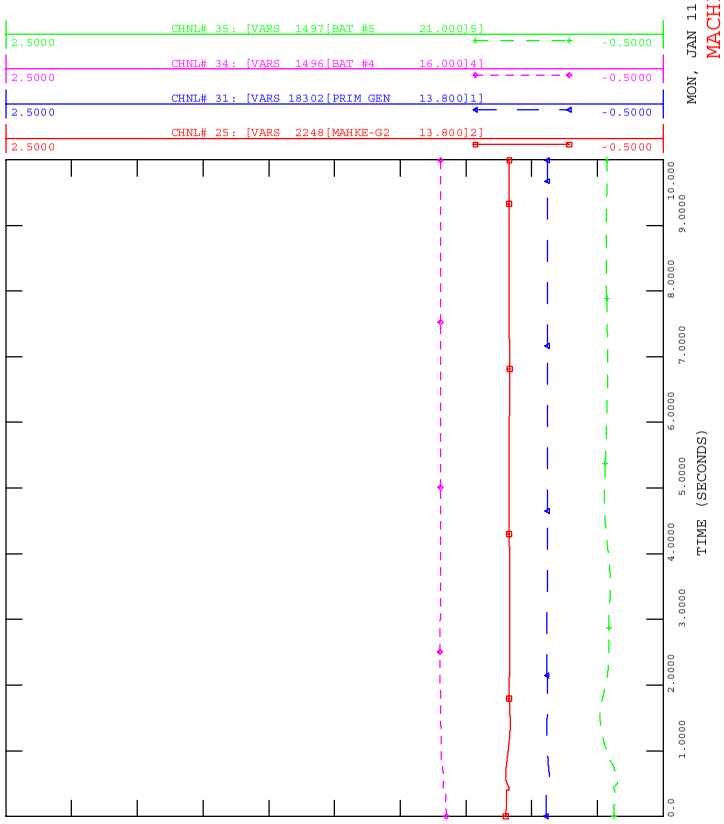


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

MACHINE VARS

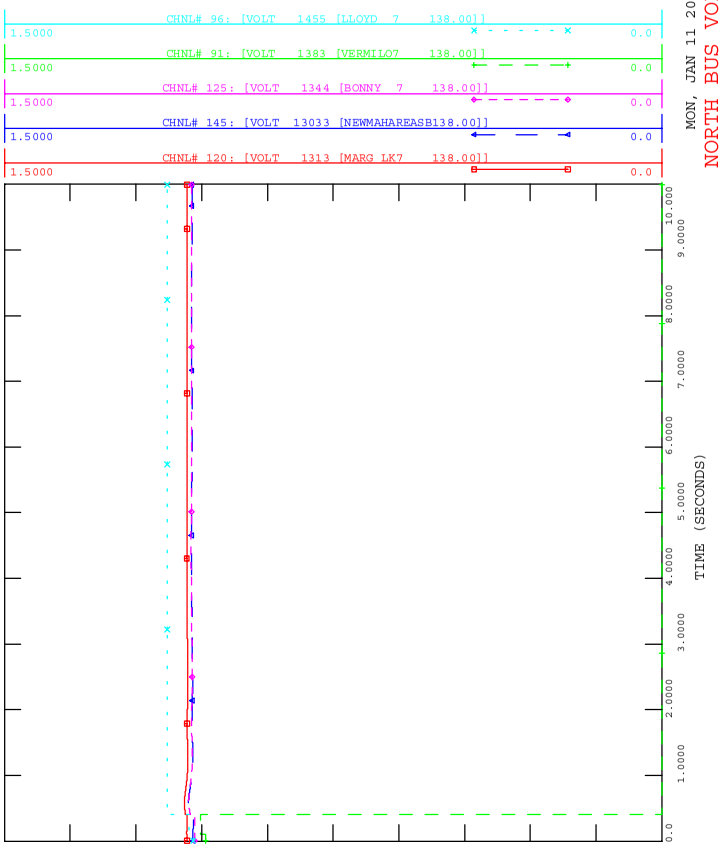


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

NORTH BUS VOLTAGES

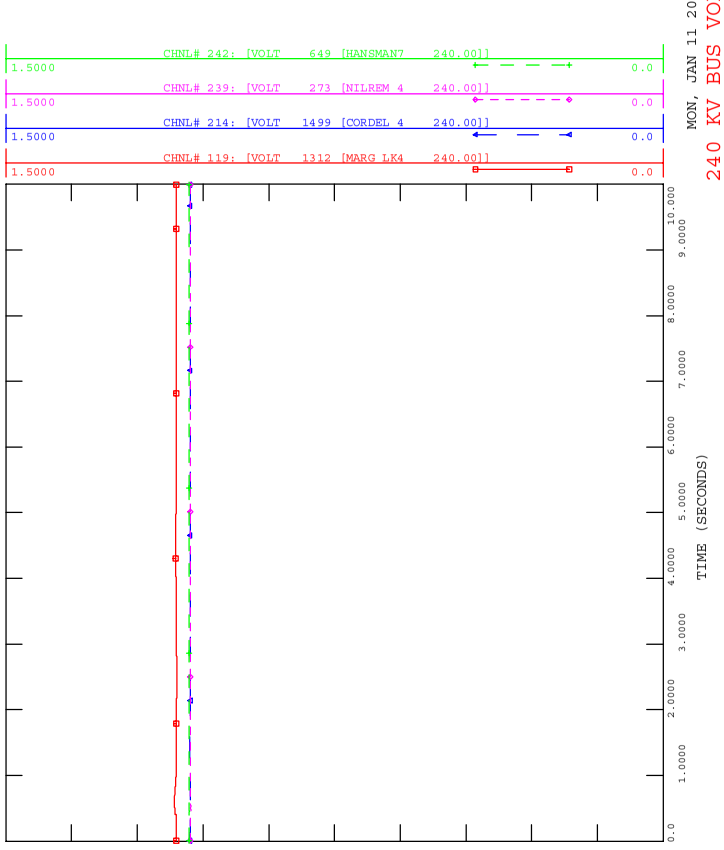


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

240 KV BUS VOLTAGES

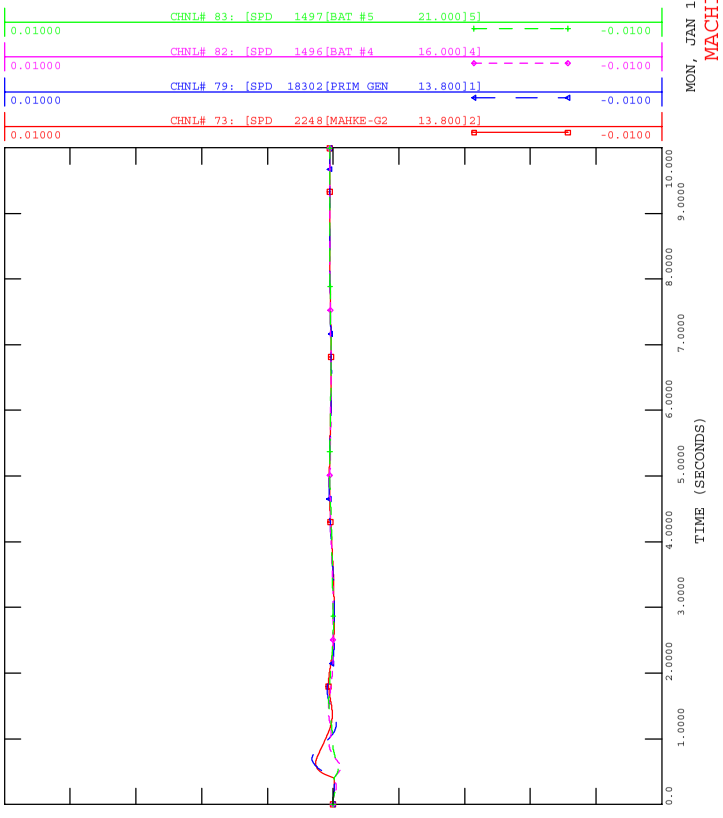


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

MACHINE SPEED

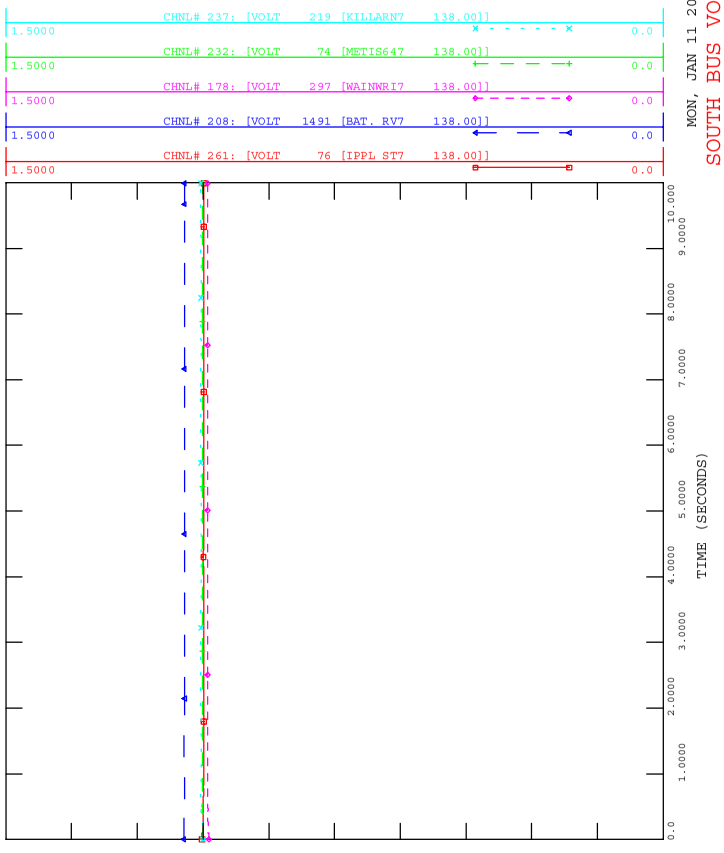


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

SOUTH BUS VOLTAGES

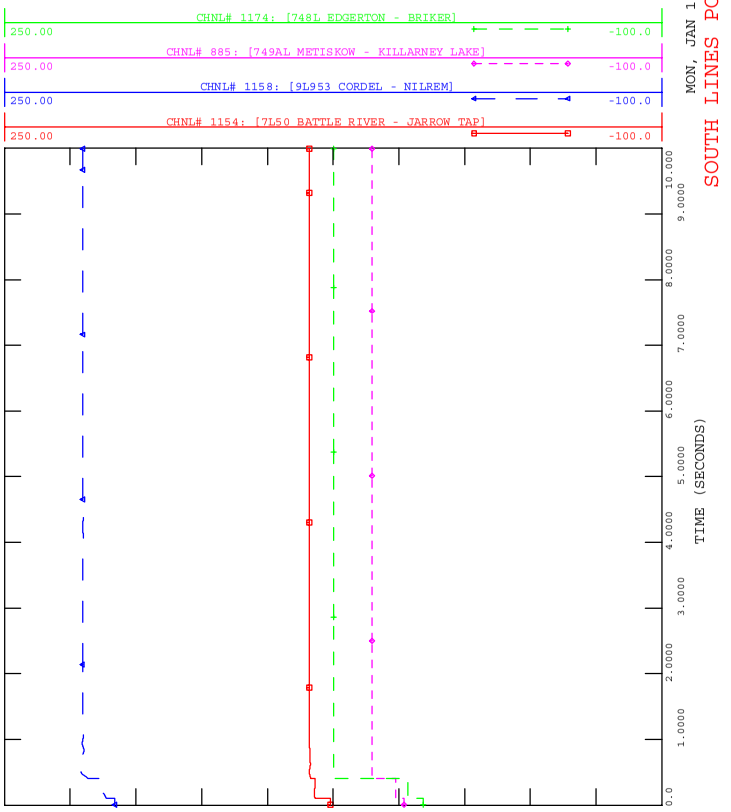


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

SOUTH LINES POWER FLOW

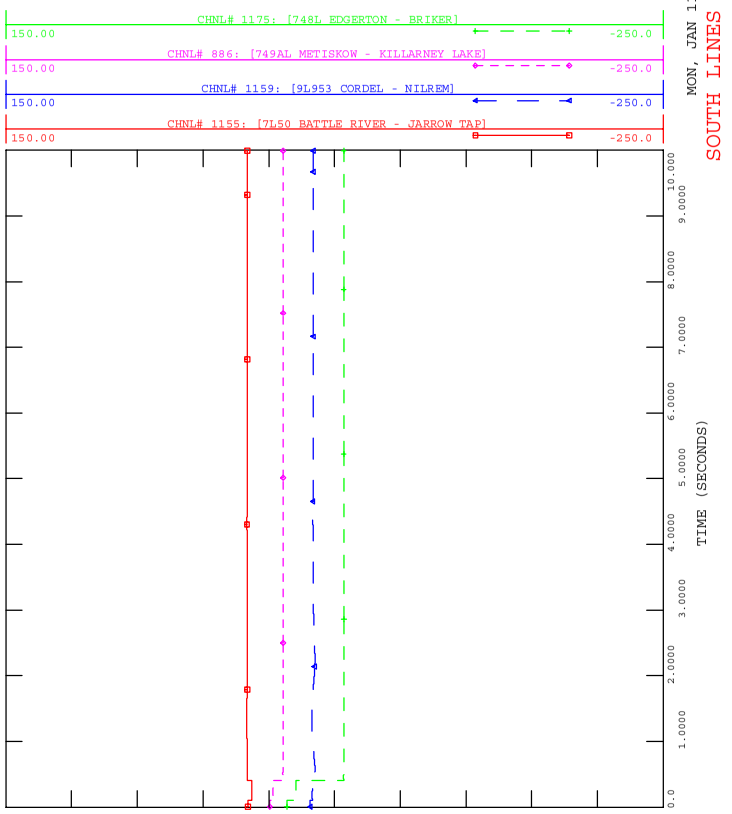


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

SOUTH LINES VAR FLOW

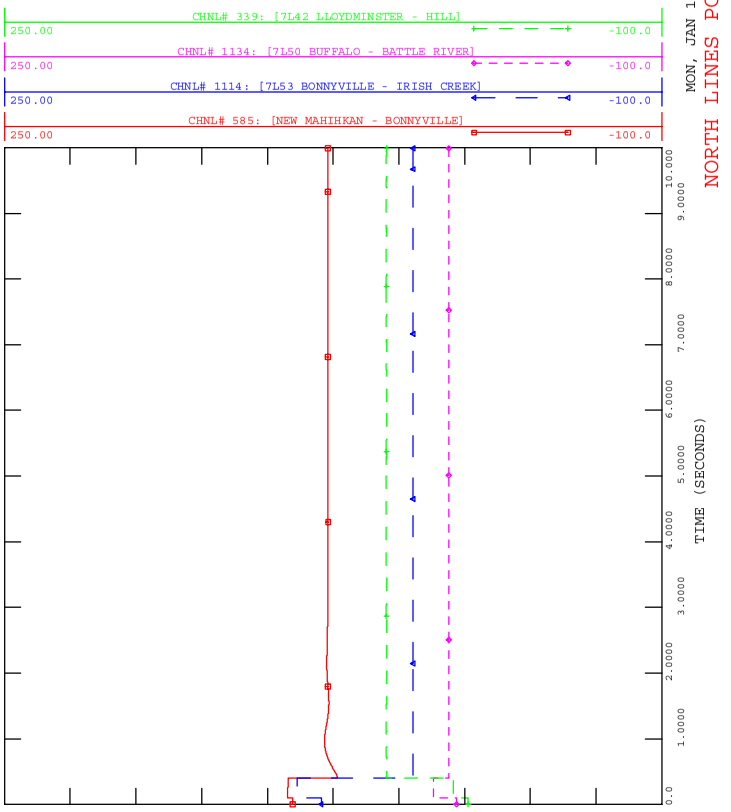


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

NORTH LINES POWER FLOW

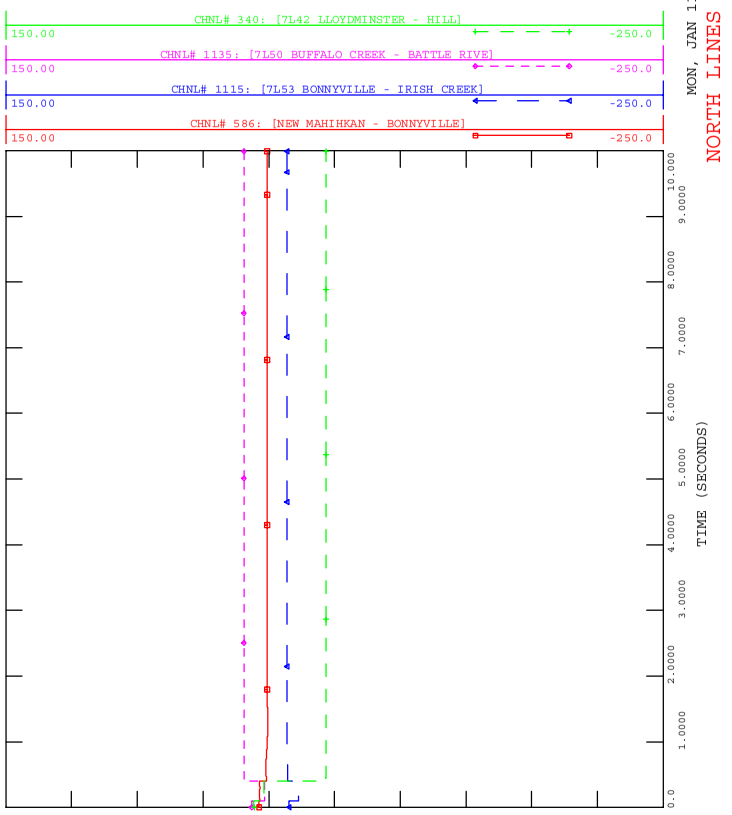


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

NORTH LINES VAR FLOW

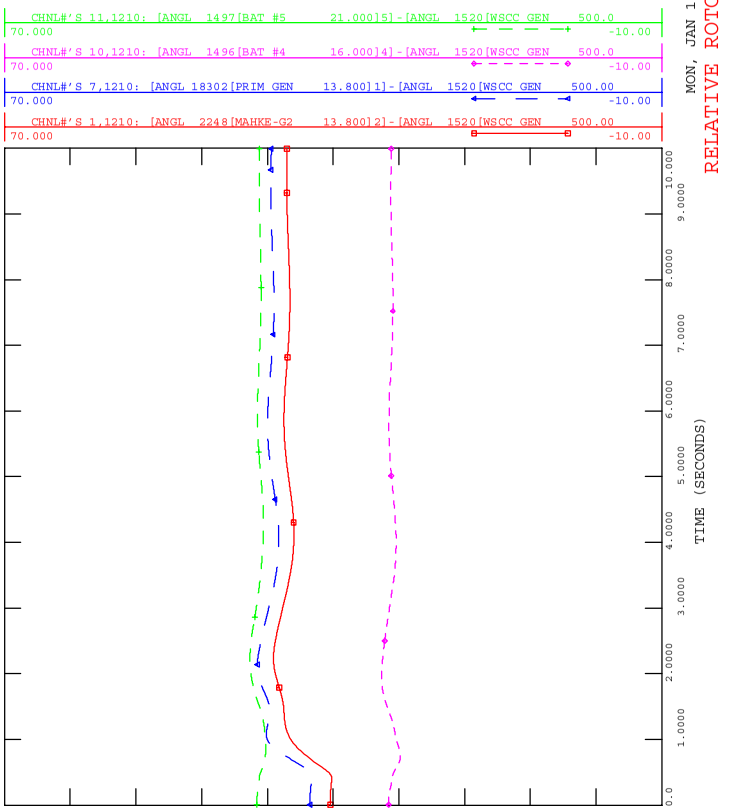


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

RELATIVE ROTOR ANGLES

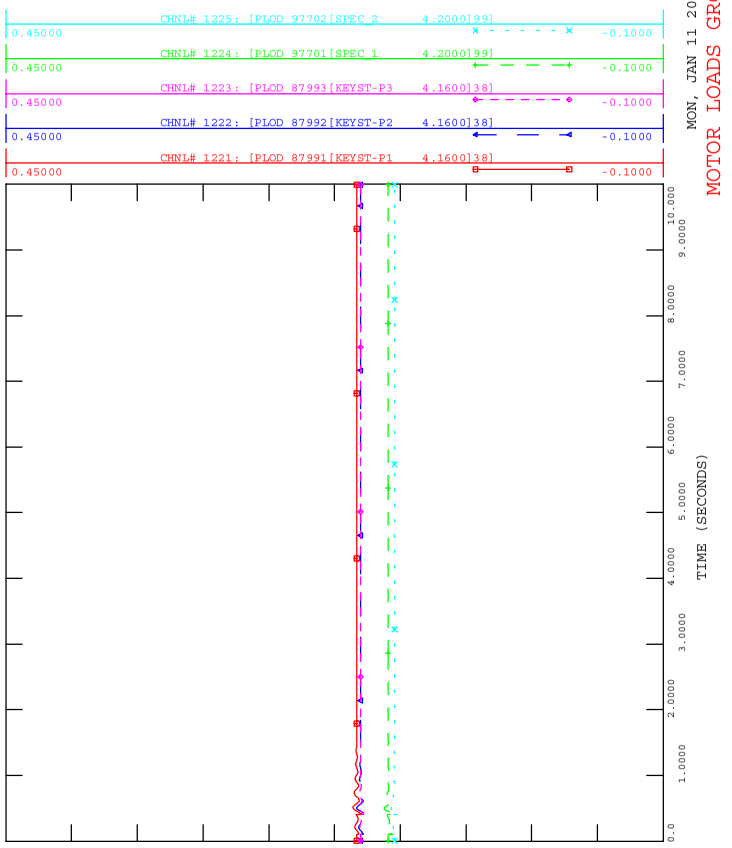


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP II

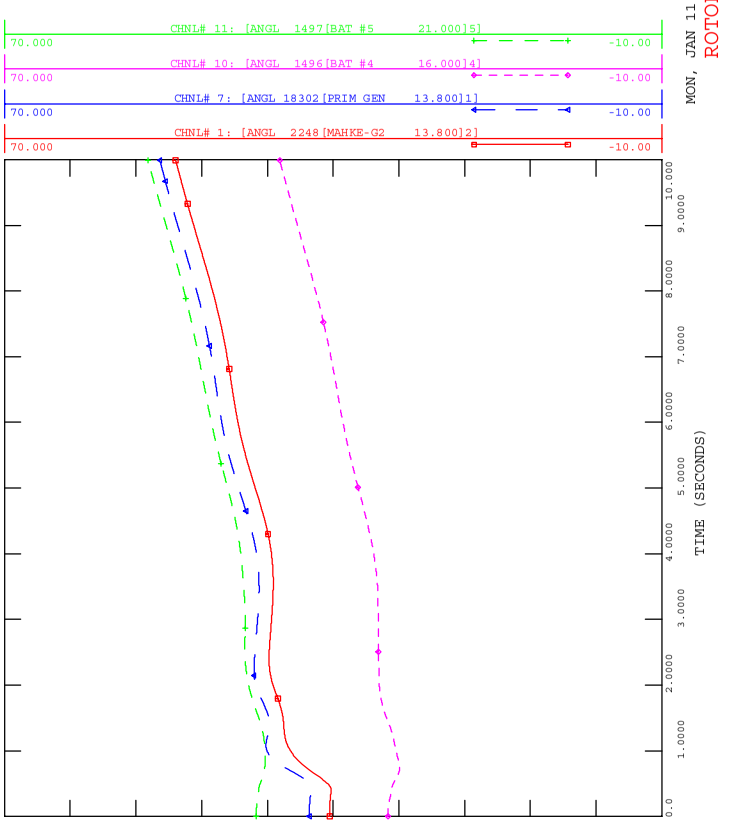


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

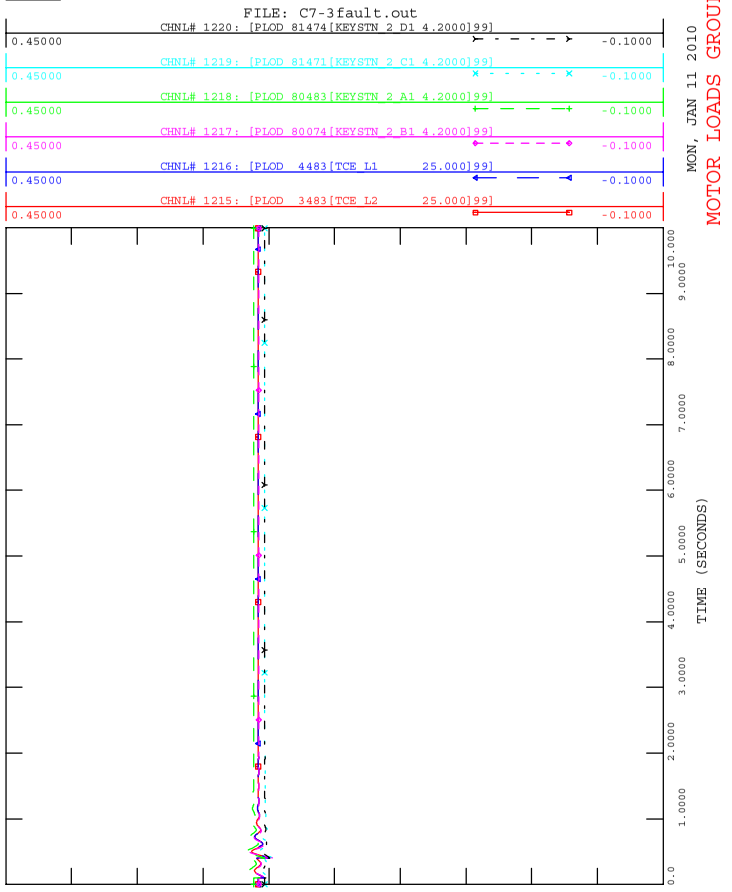


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-3fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP I

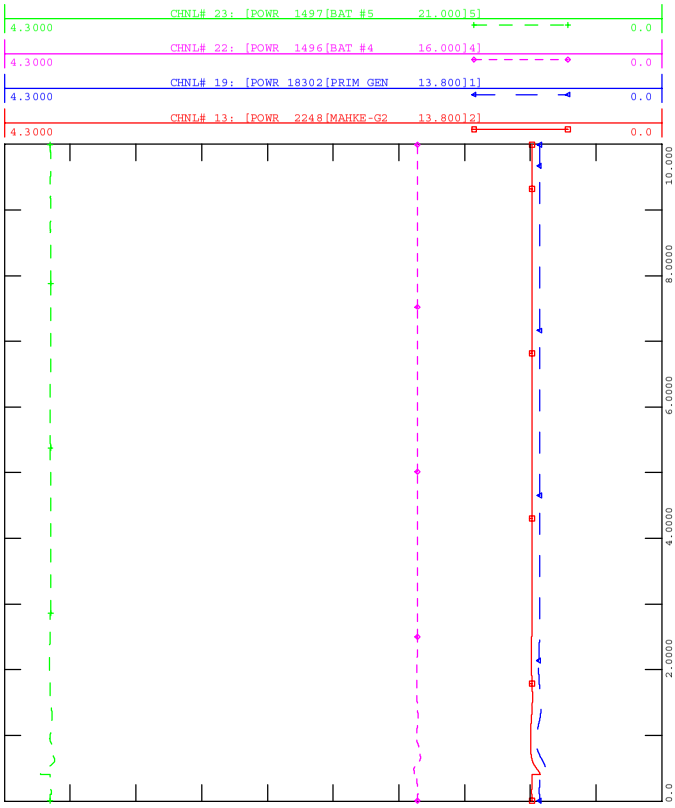


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

MACHINE POWER

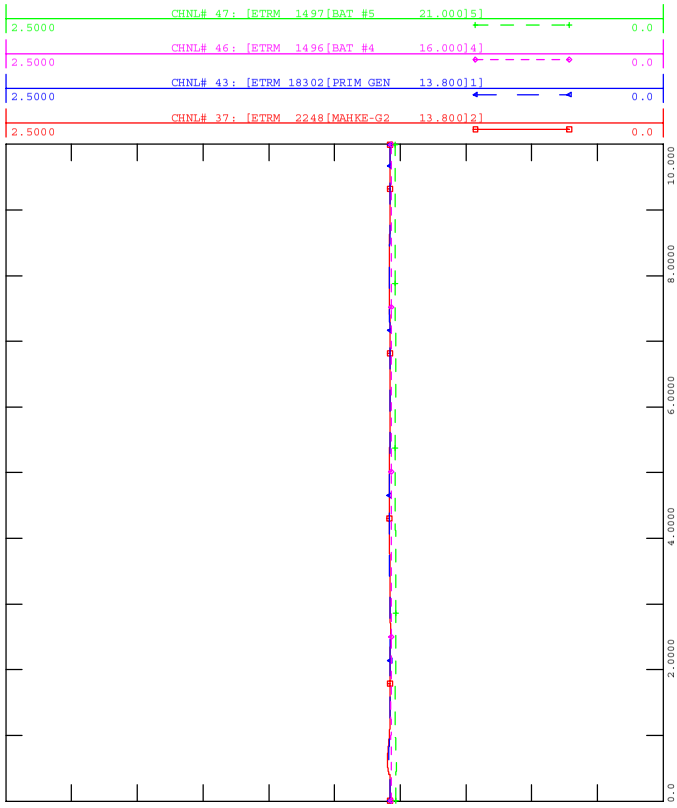


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

MACHINE TERMINAL VOLTAGE

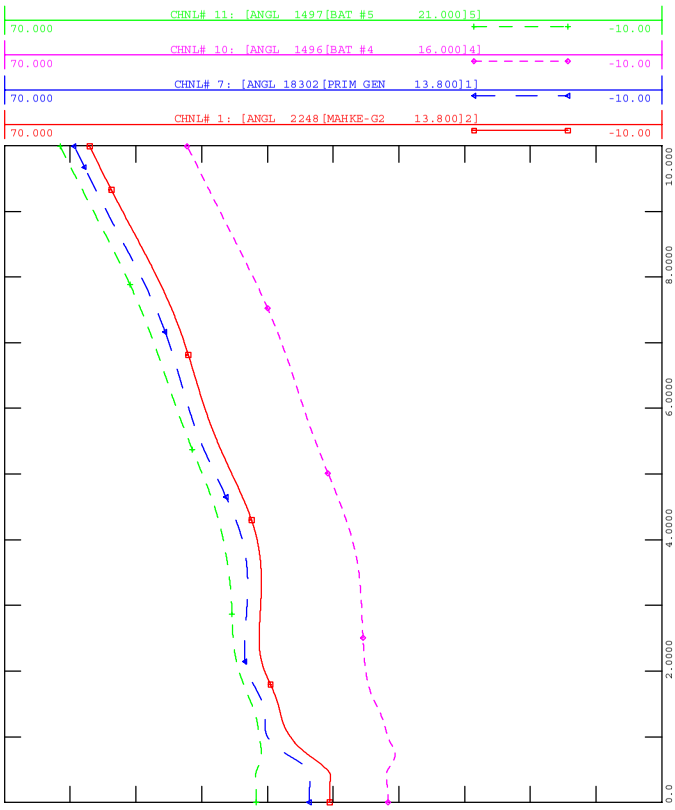


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

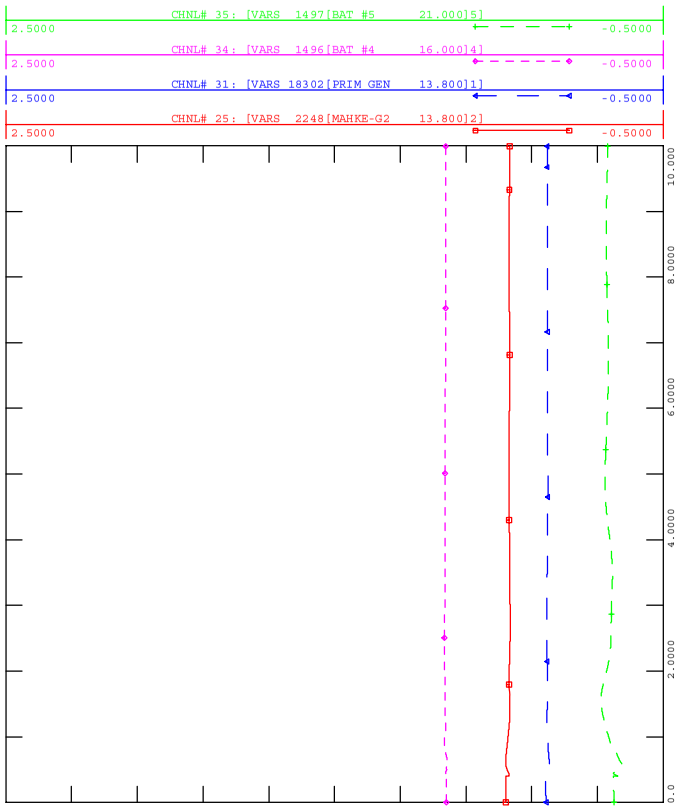


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

MACHINE VARS

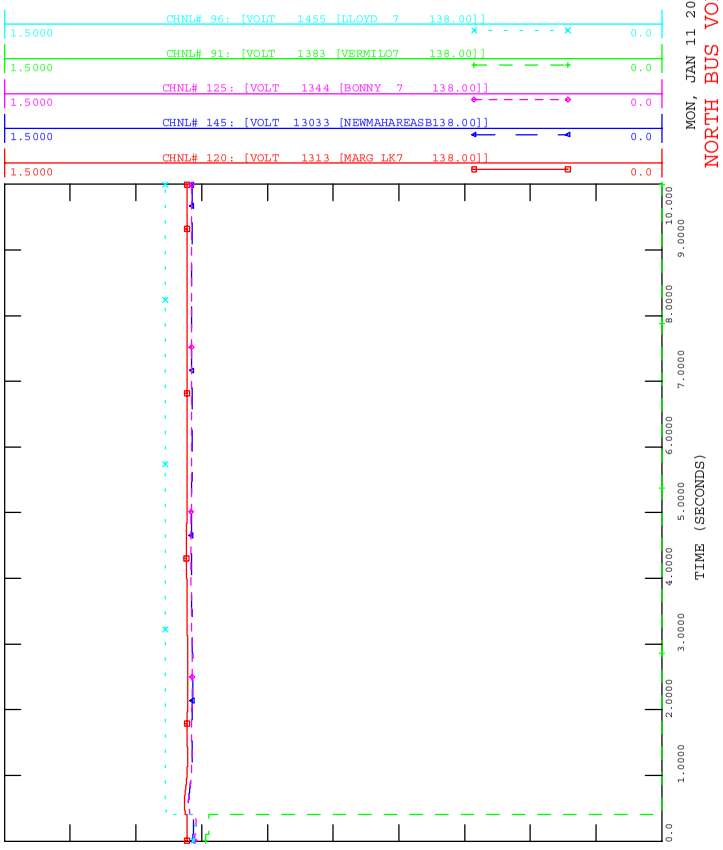


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

NORTH BUS VOLTAGES

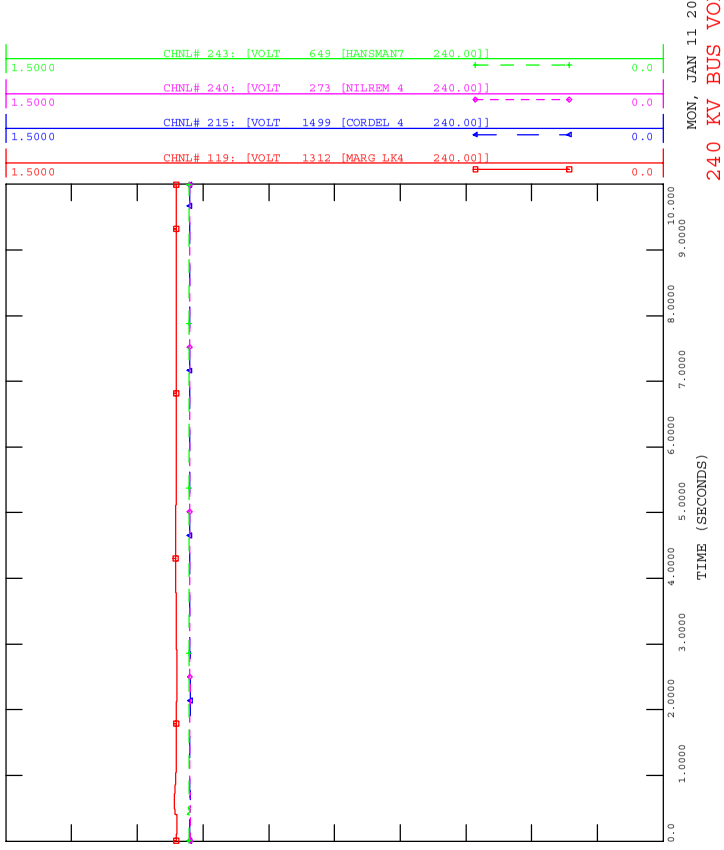


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

240 KV BUS VOLTAGES

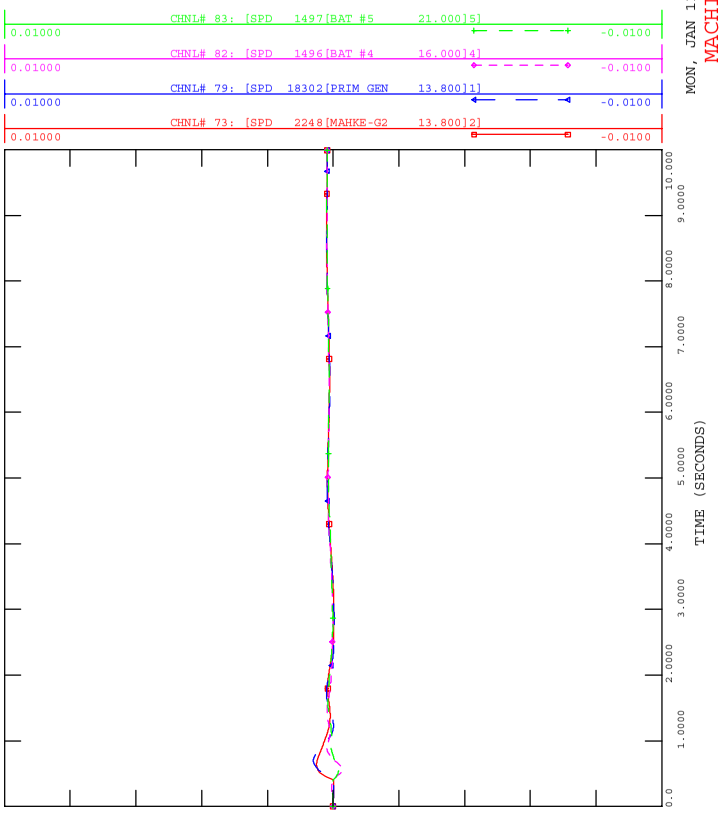


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

MACHINE SPEED

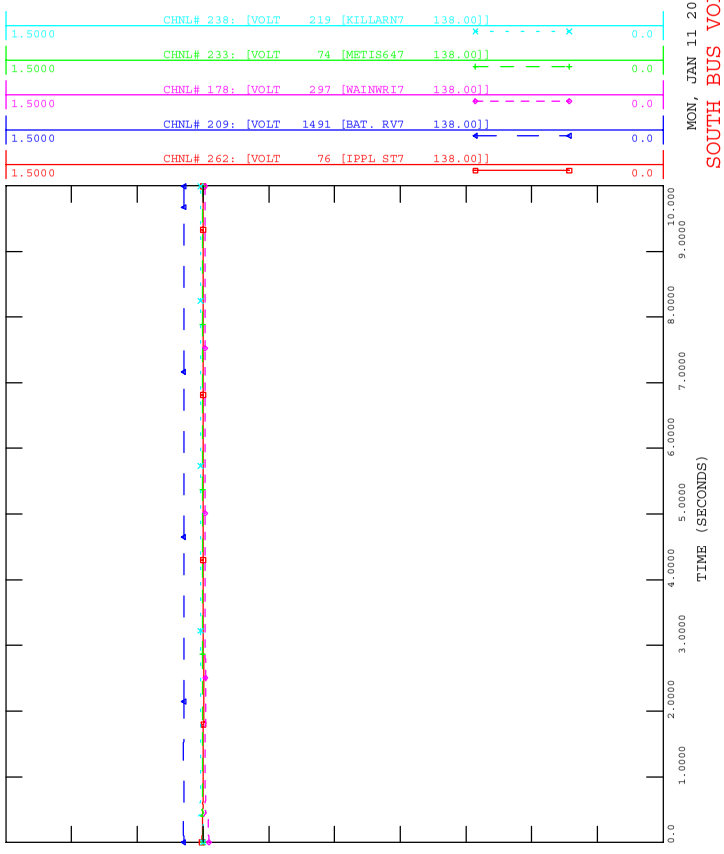


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

SOUTH BUS VOLTAGES

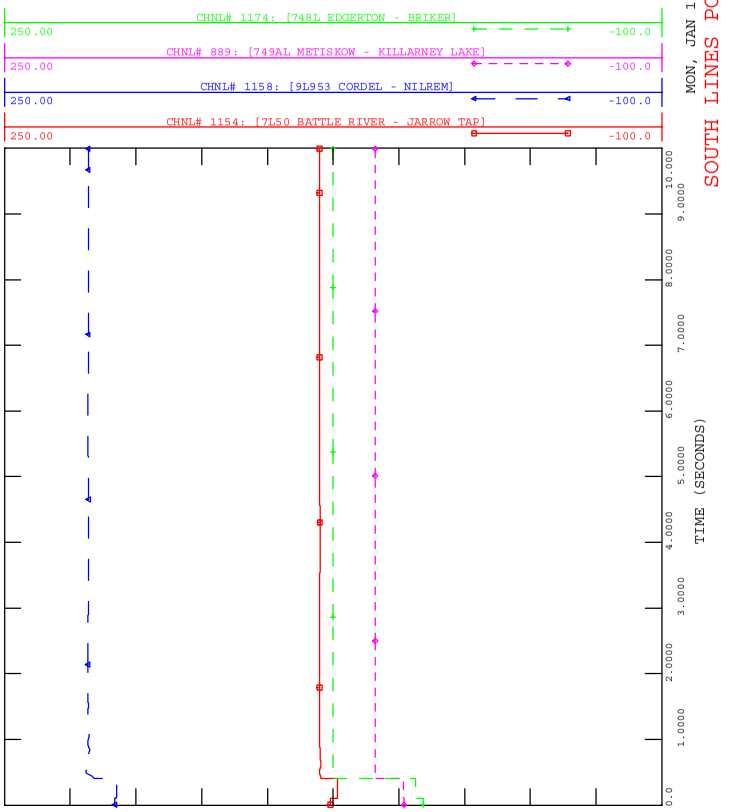


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

SOUTH LINES POWER FLOW

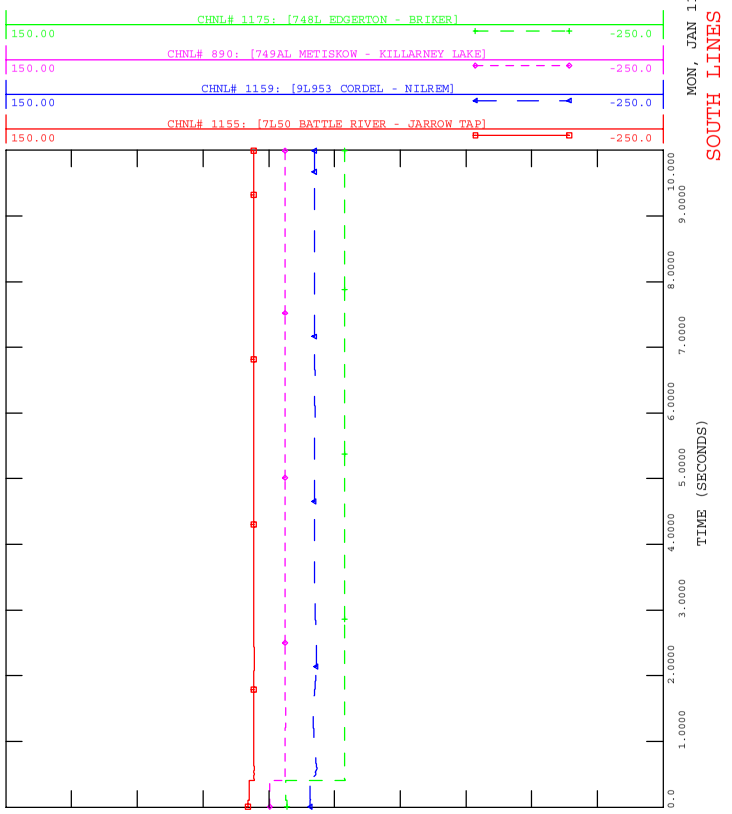


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

SOUTH LINES VAR FLOW

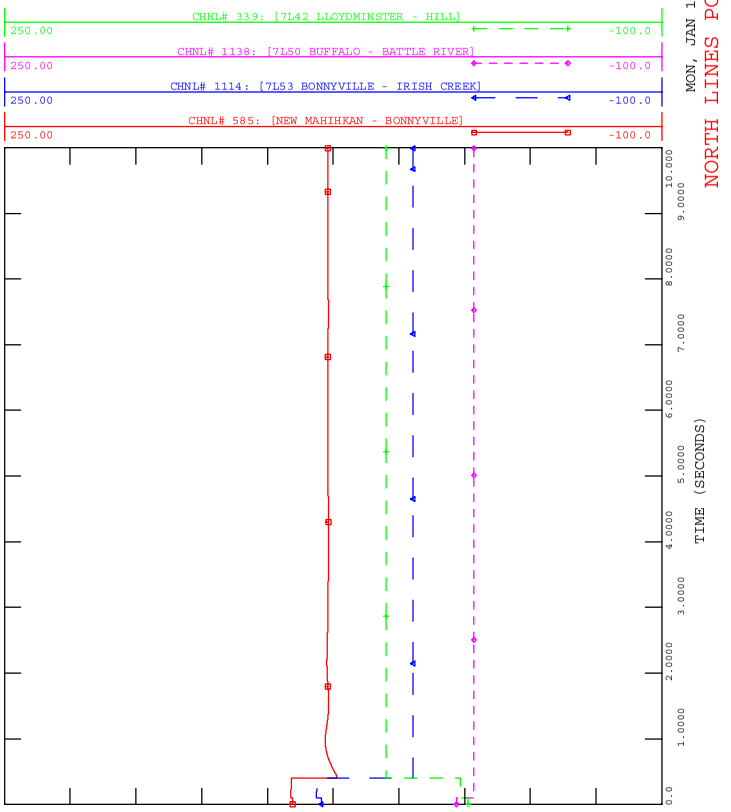


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

NORTH LINES POWER FLOW

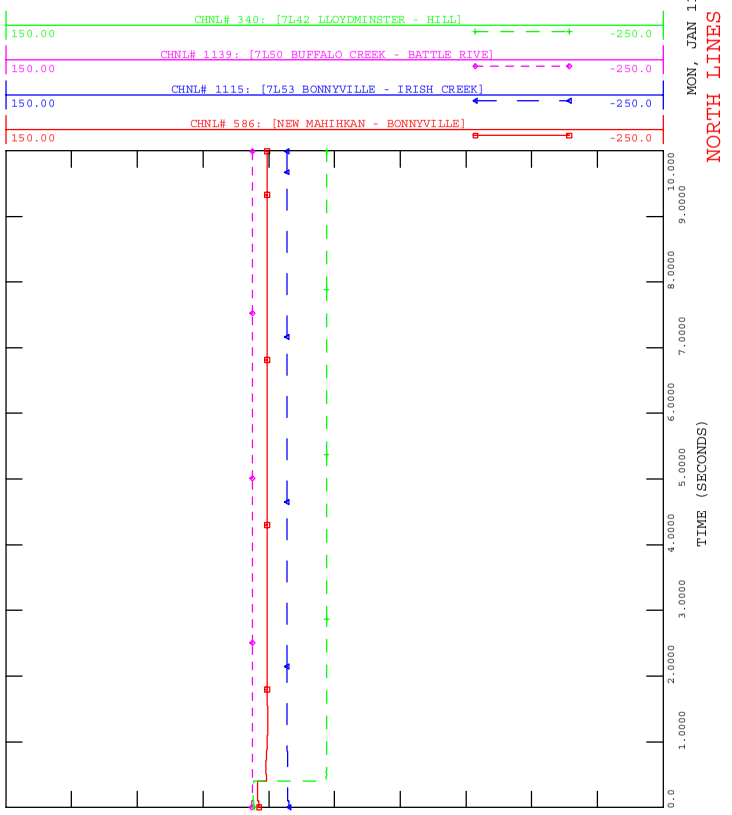


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

NORTH LINES VAR FLOW



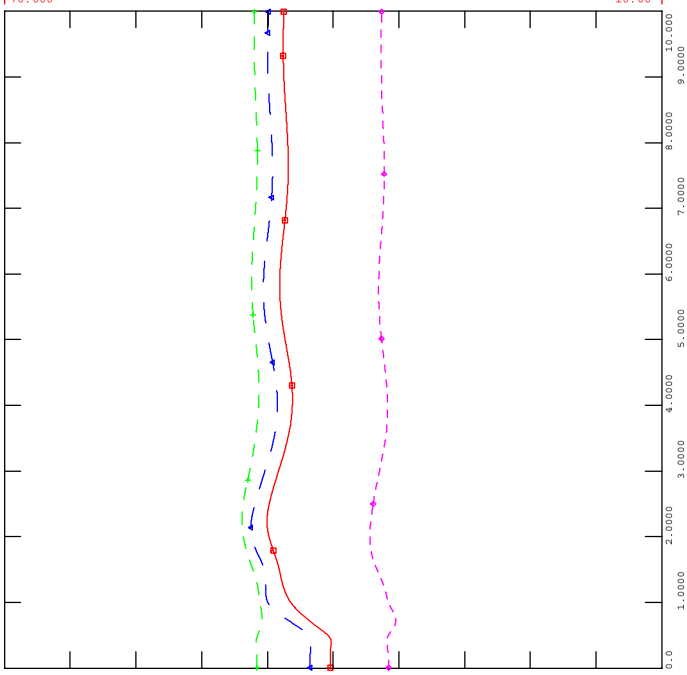
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

RELATIVE ROTOR ANGLES

CHNL#'S 11,1210: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1210: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1210: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1210: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



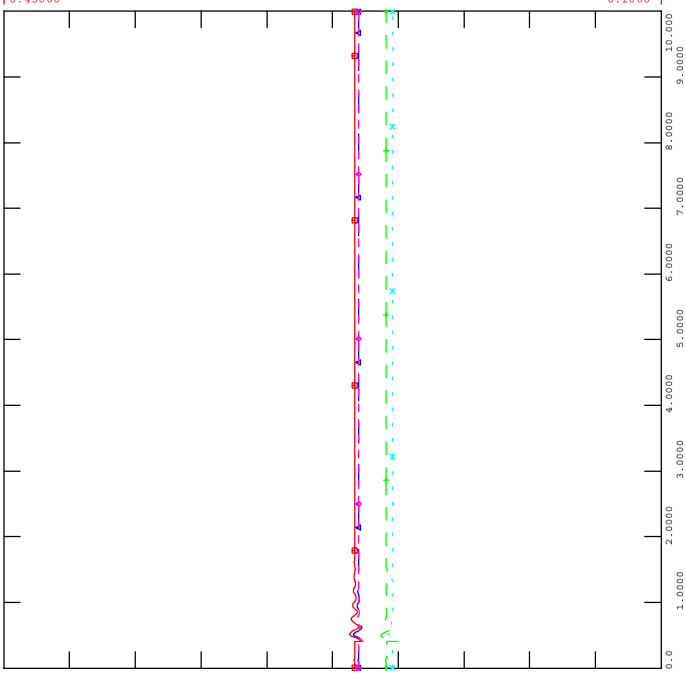
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP II

CHNL# 1225: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1224: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1223: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1222: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1221: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



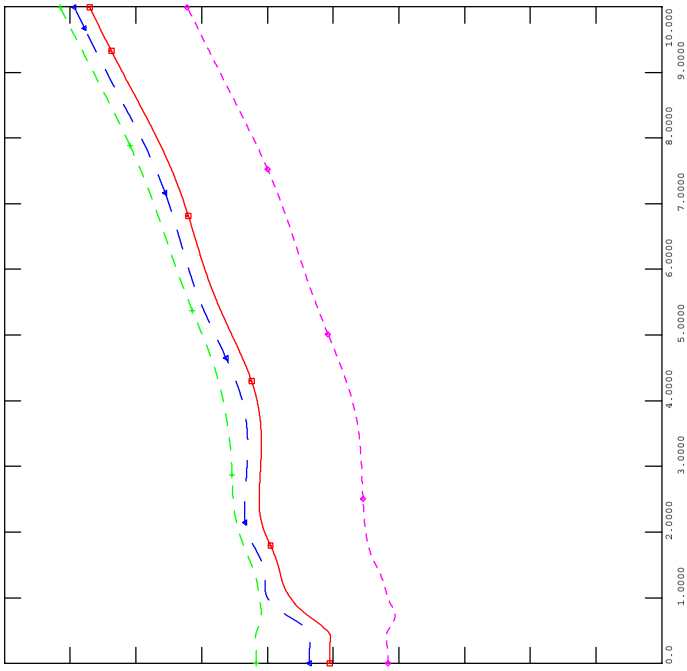
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



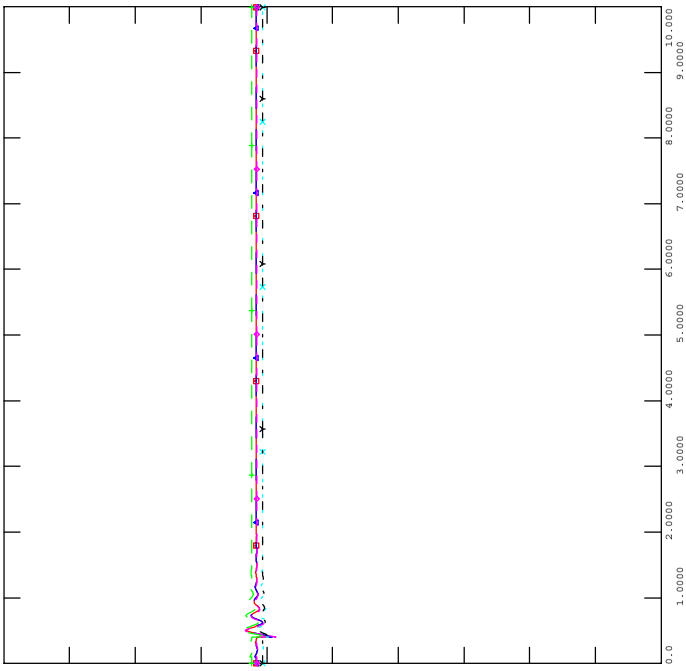
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-4fault.out

MON, JAN 11 2010 8:17

MOTOR LOADS GROUP I

CHNL# 1220: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1219: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1218: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1215: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

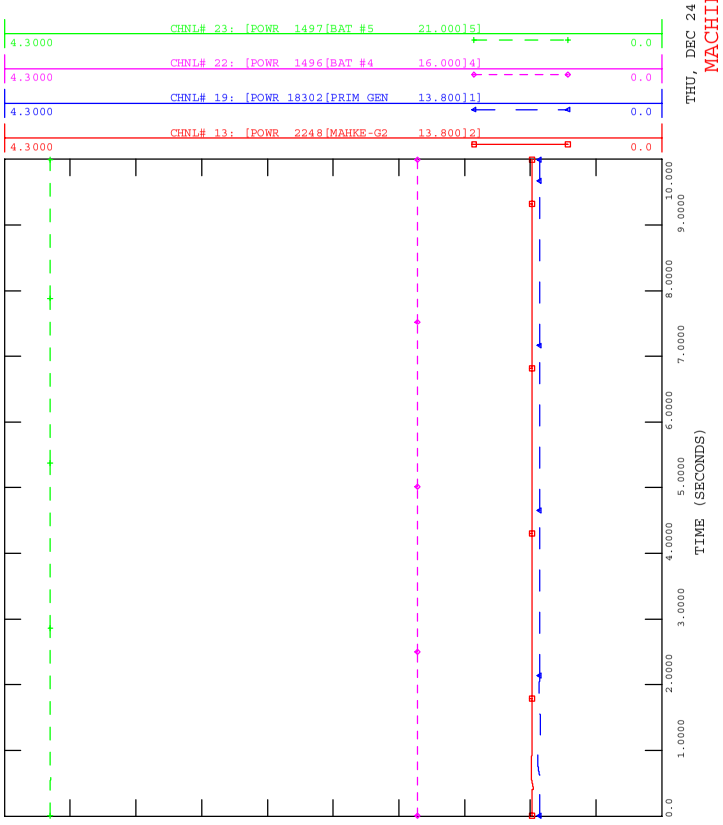


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

MACHINE POWER

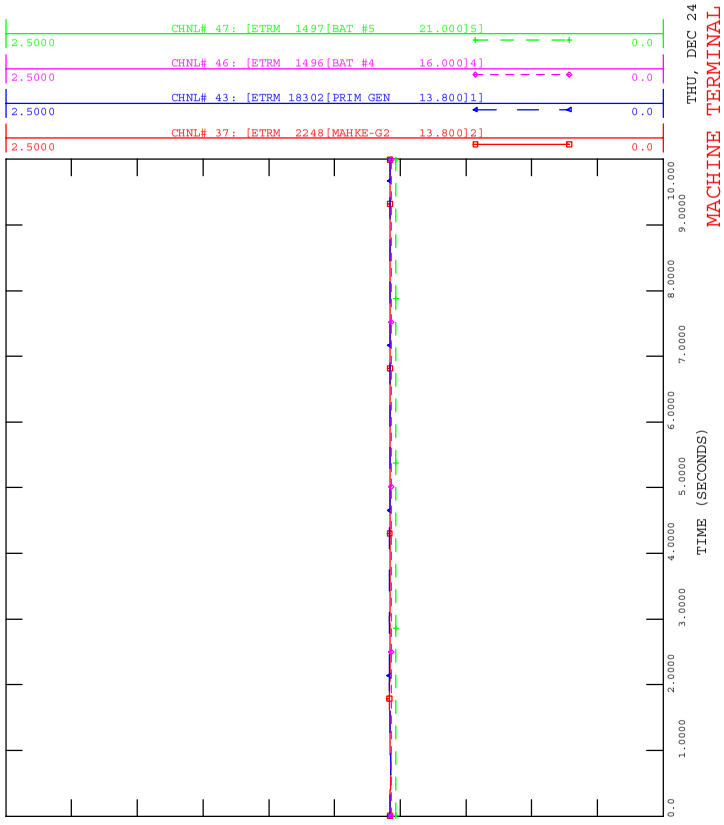


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

MACHINE TERMINAL VOLTAGE

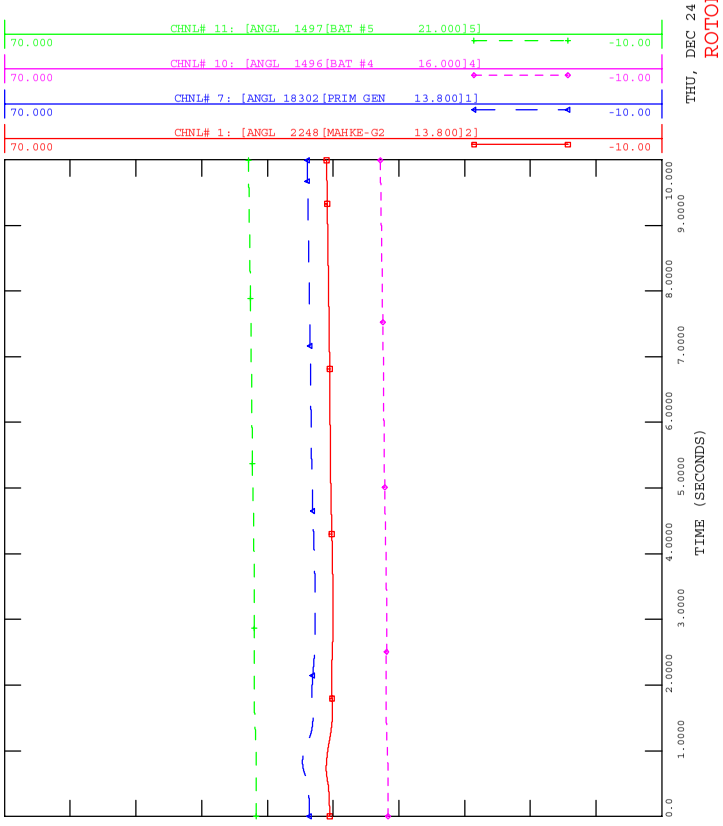


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

ROTOR ANGLES

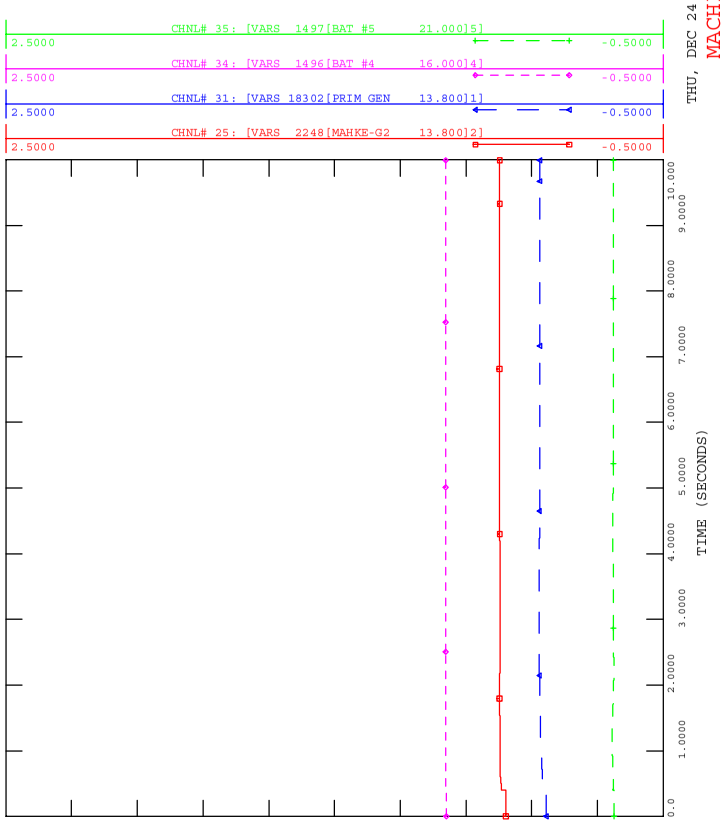


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 146: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

240 KV BUS VOLTAGES

CHNL# 243: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 240: [VOLT 273 [NILREM 4 240.00]]
CHNL# 215: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

SOUTH BUS VOLTAGES

CHNL# 238: [VOLT 219 [KILLARN7 138.00]]
CHNL# 233: [VOLT 74 [METIS647 138.00]]
CHNL# 179: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 209: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 262: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

SOUTH LINES POWER FLOW

CHNL# 1174: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 889: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1158: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1154: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

SOUTH LINES VAR FLOW

CHNL# 1175: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 890: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1159: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1155: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:48

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1134: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1114: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 589: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1135: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1115: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 590: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

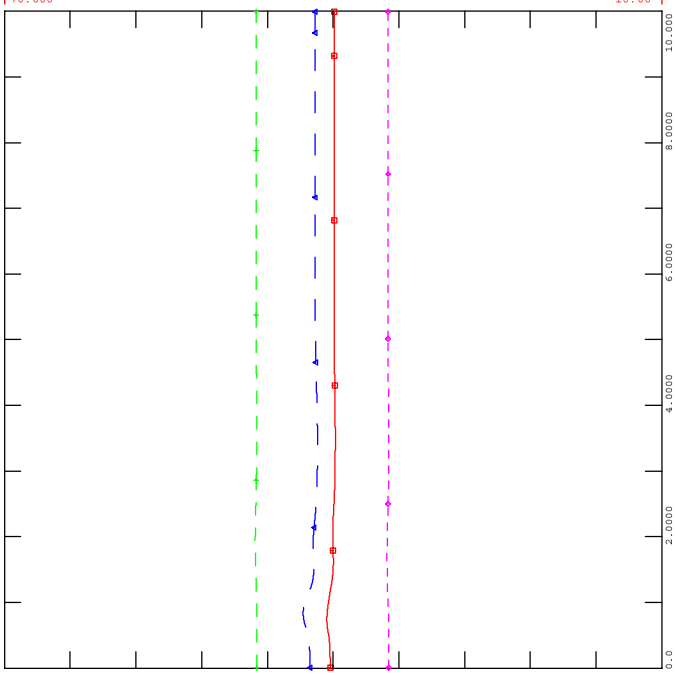
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

RELATIVE ROTOR ANGLES

CHNL#'S 11,1200: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1200: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1200: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1200: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



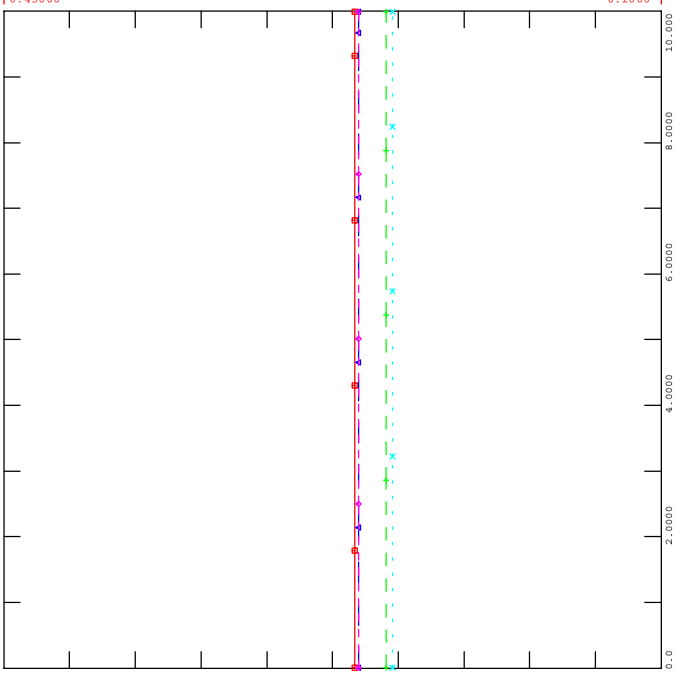
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

MOTOR LOADS GROUP II

CHNL# 1213: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1210: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1209: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



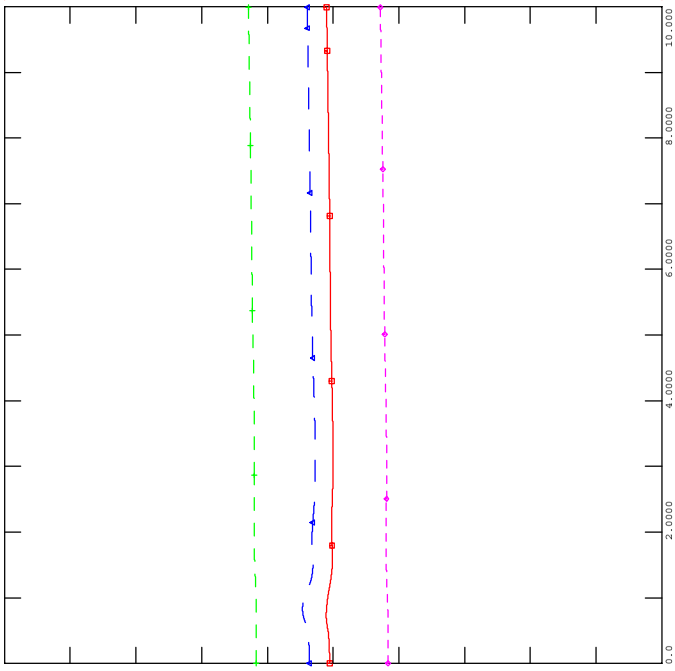
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



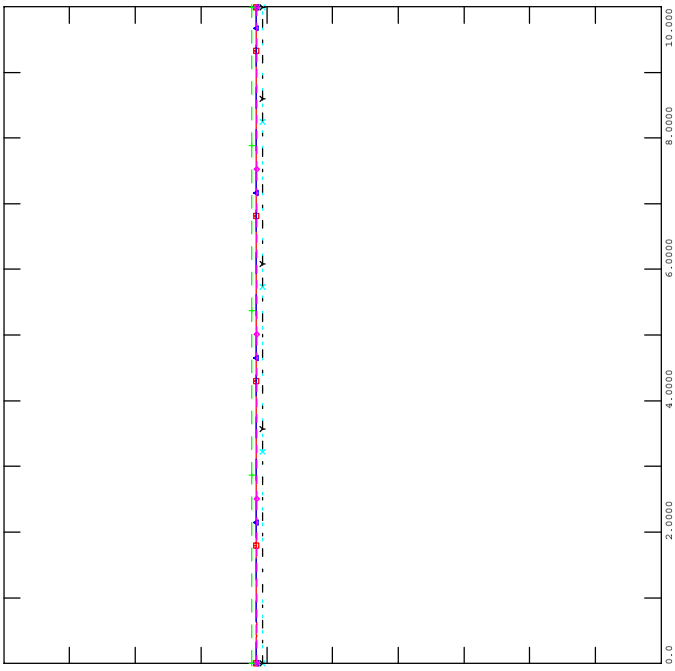
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-5fault.out

THU, DEC 24 2009 11:49

MOTOR LOADS GROUP I

CHNL# 1208: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1207: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1206: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1205: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1204: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1203: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

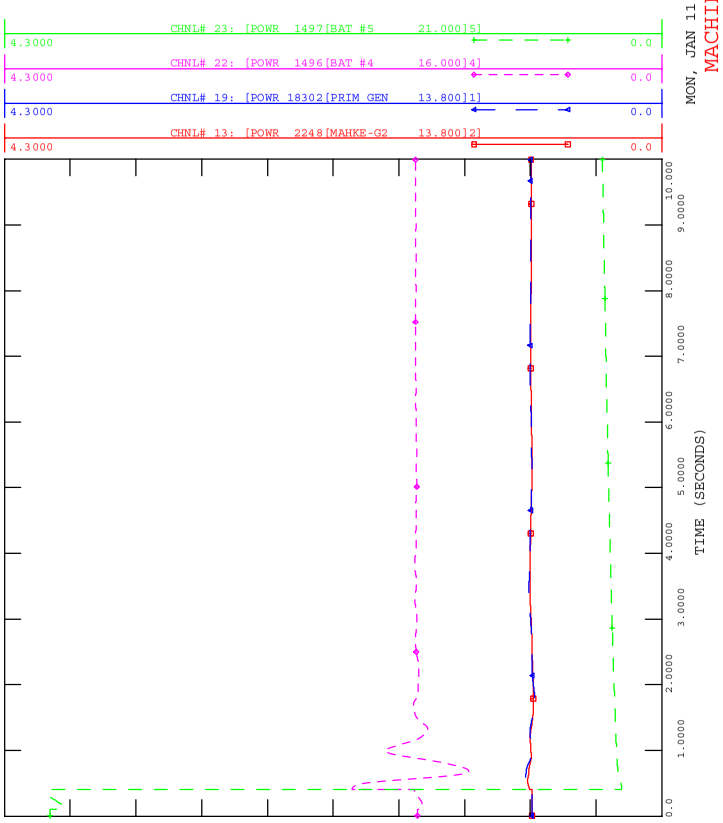


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

MACHINE POWER

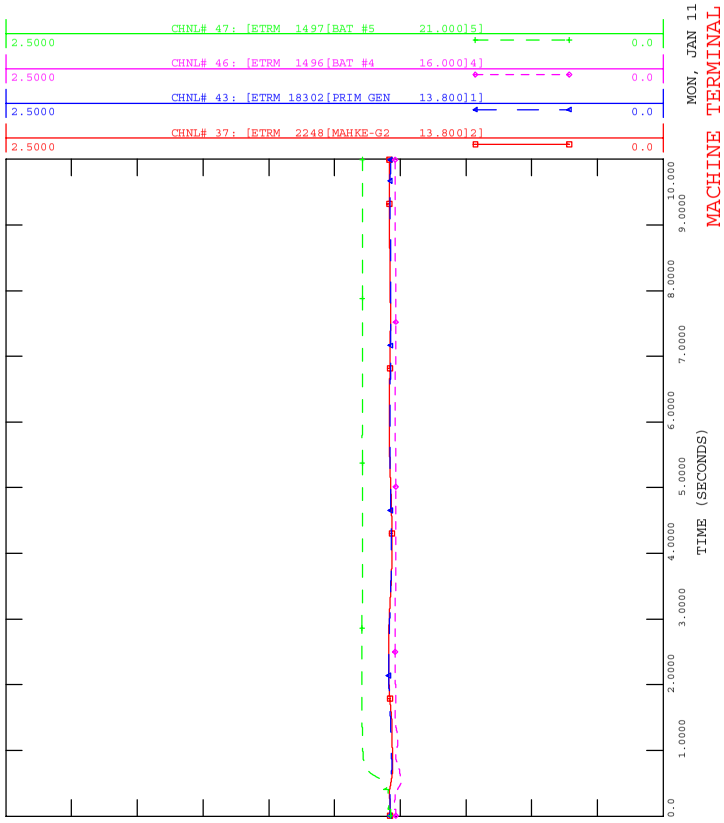


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

MACHINE TERMINAL VOLTAGE

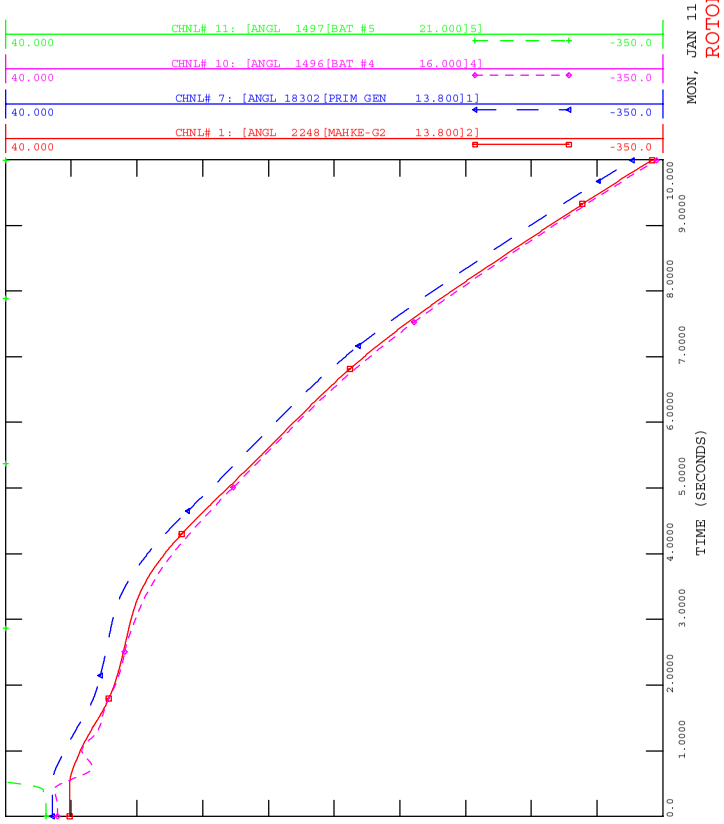


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

ROTOR ANGLES

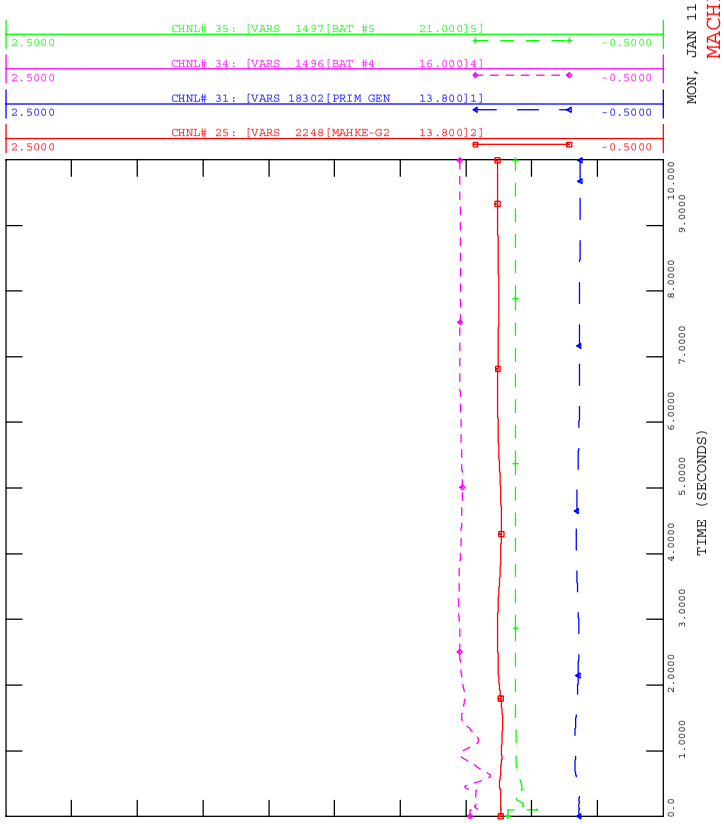


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

MACHINE VARS

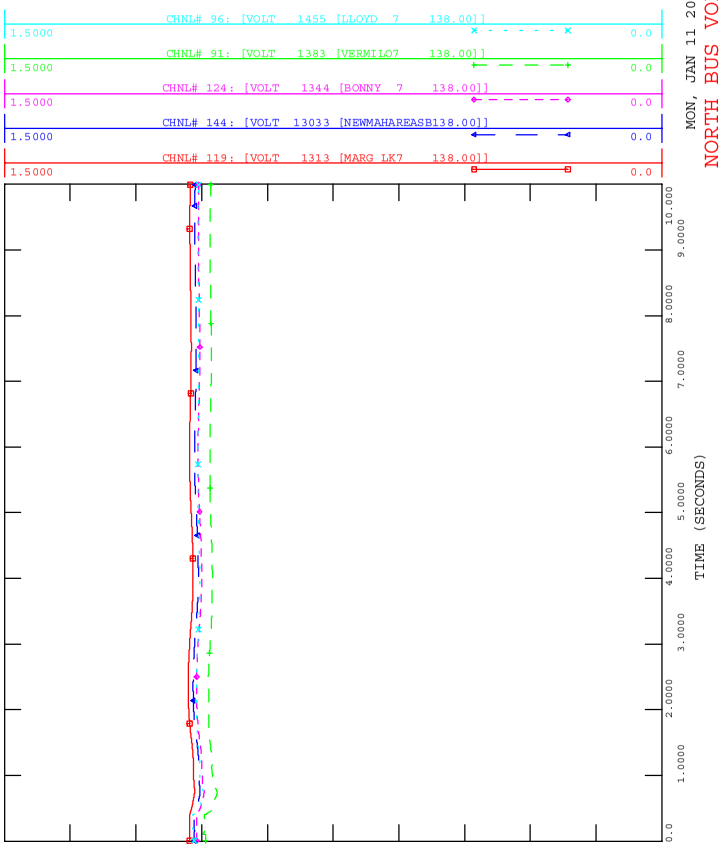


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

NORTH BUS VOLTAGES

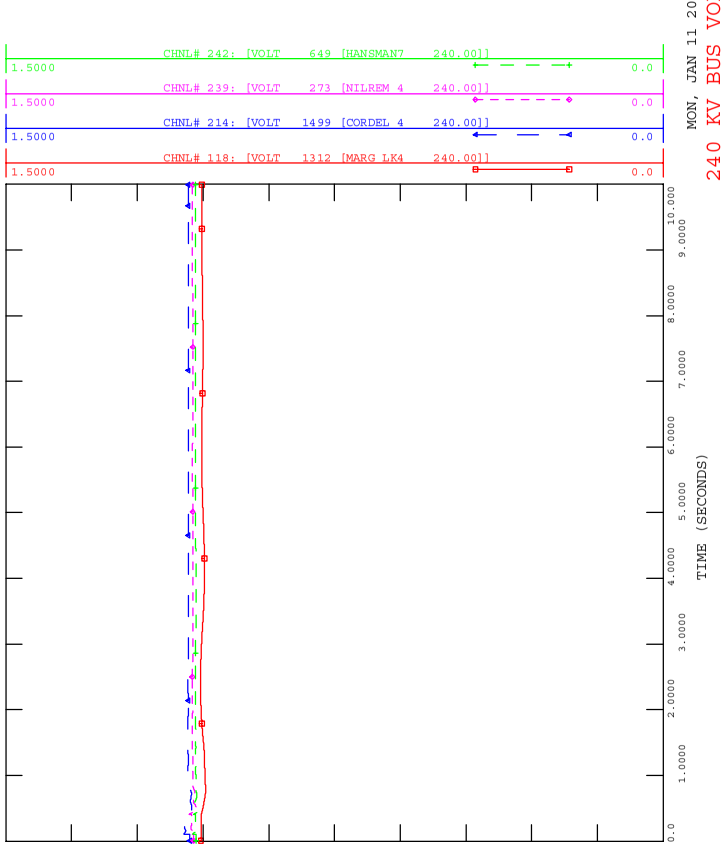


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

240 KV BUS VOLTAGES

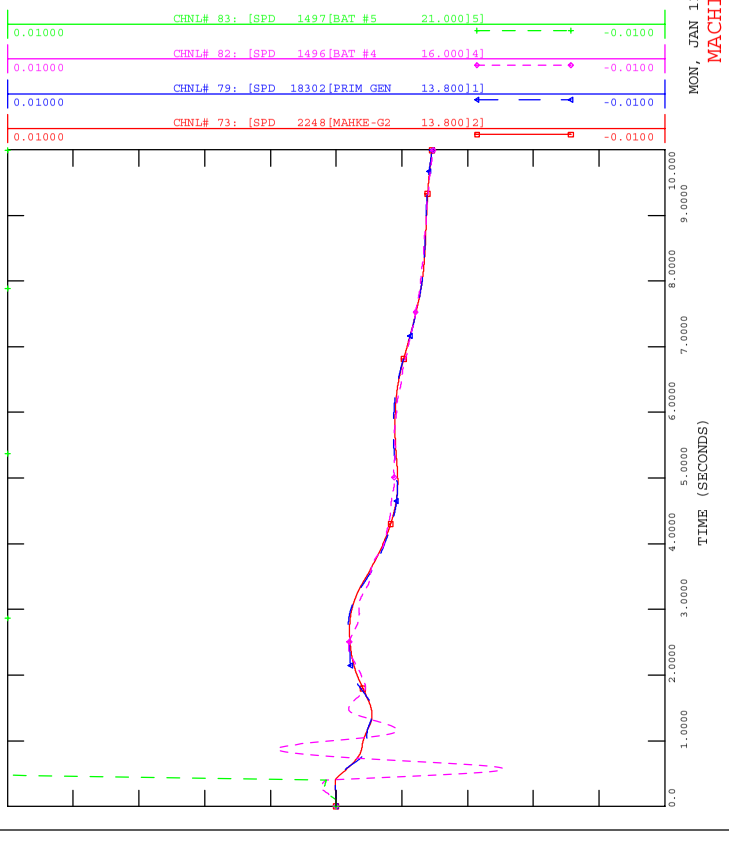


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

MACHINE SPEED

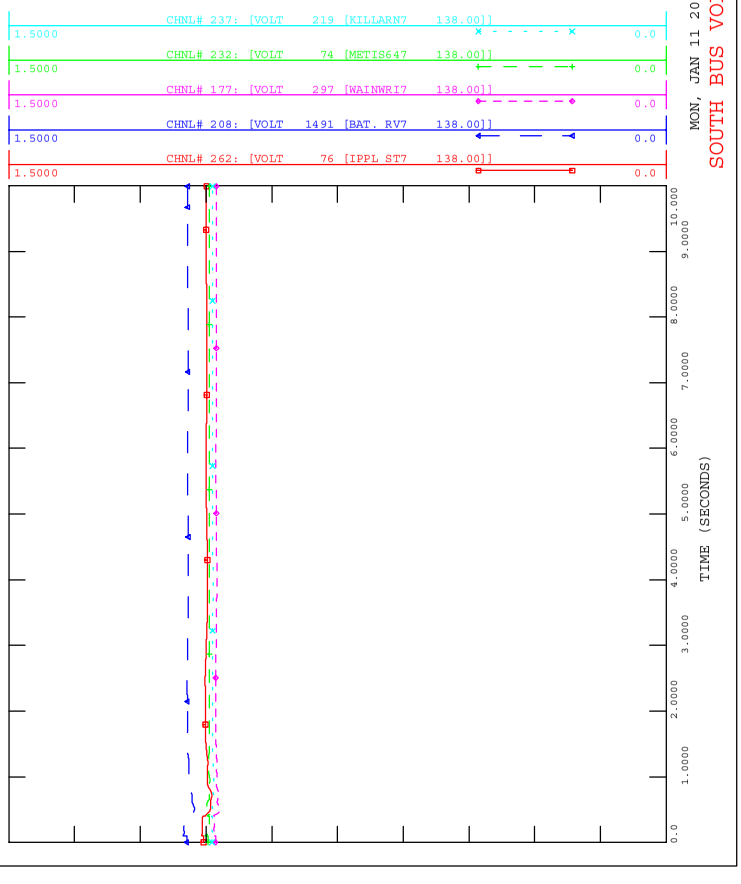


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

SOUTH BUS VOLTAGES

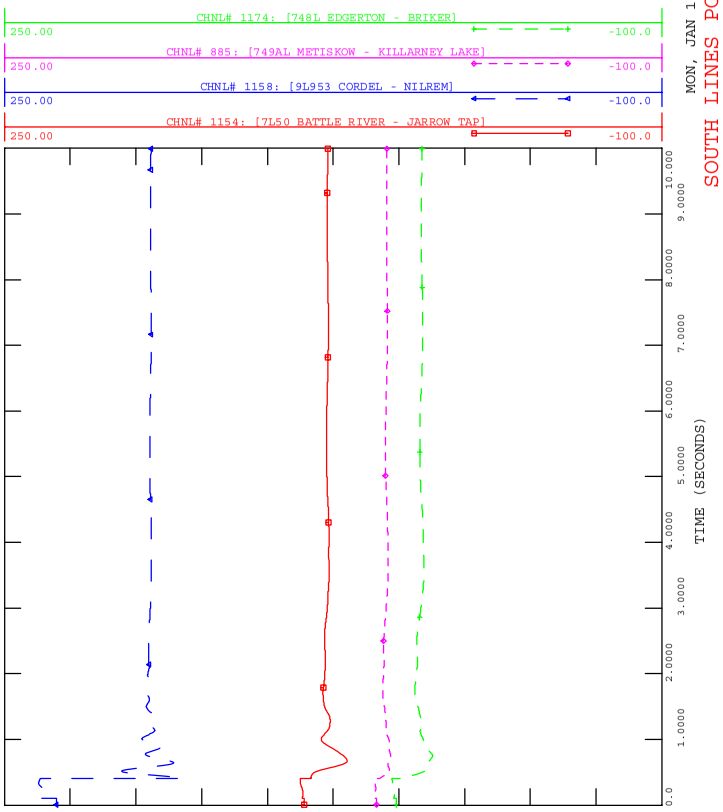


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

SOUTH LINES POWER FLOW

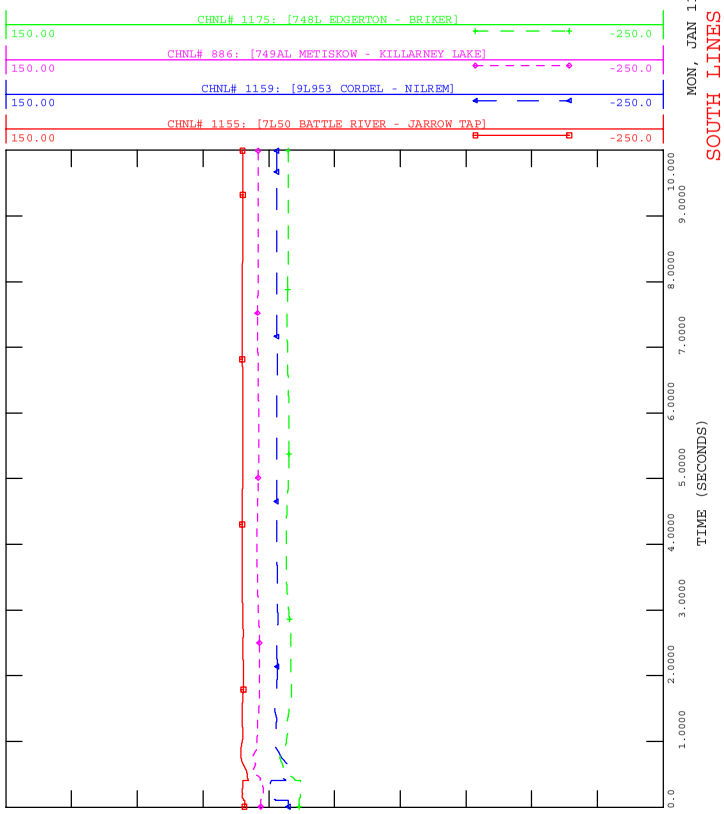


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

SOUTH LINES VAR FLOW

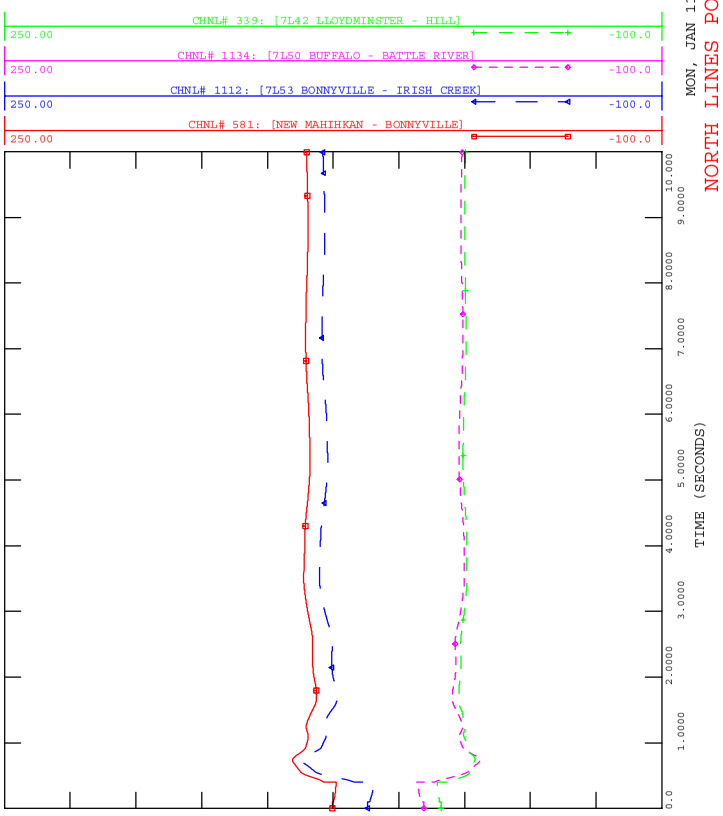


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

NORTH LINES POWER FLOW

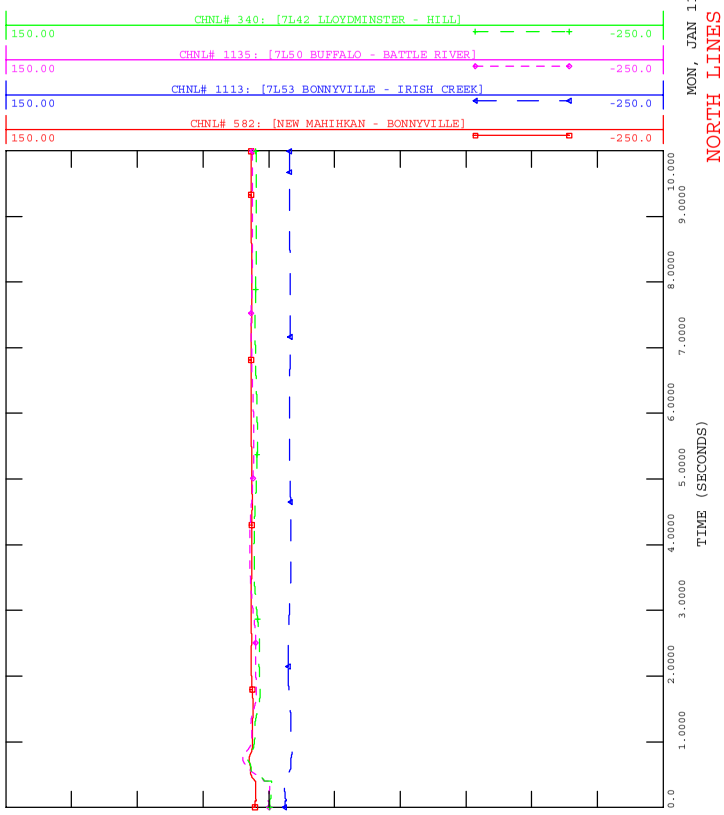


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

NORTH LINES VAR FLOW

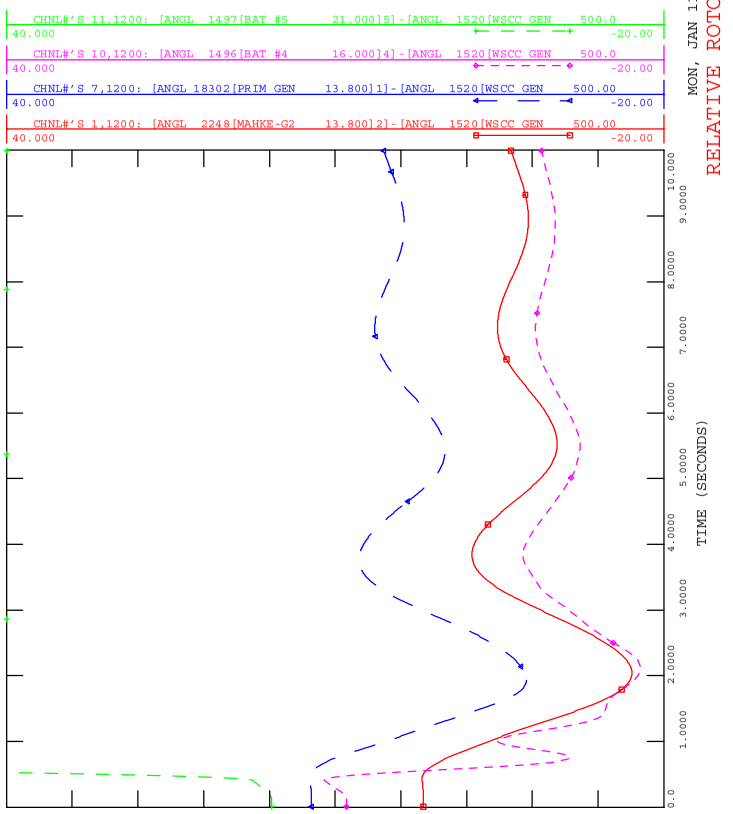


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

RELATIVE ROTOR ANGLES

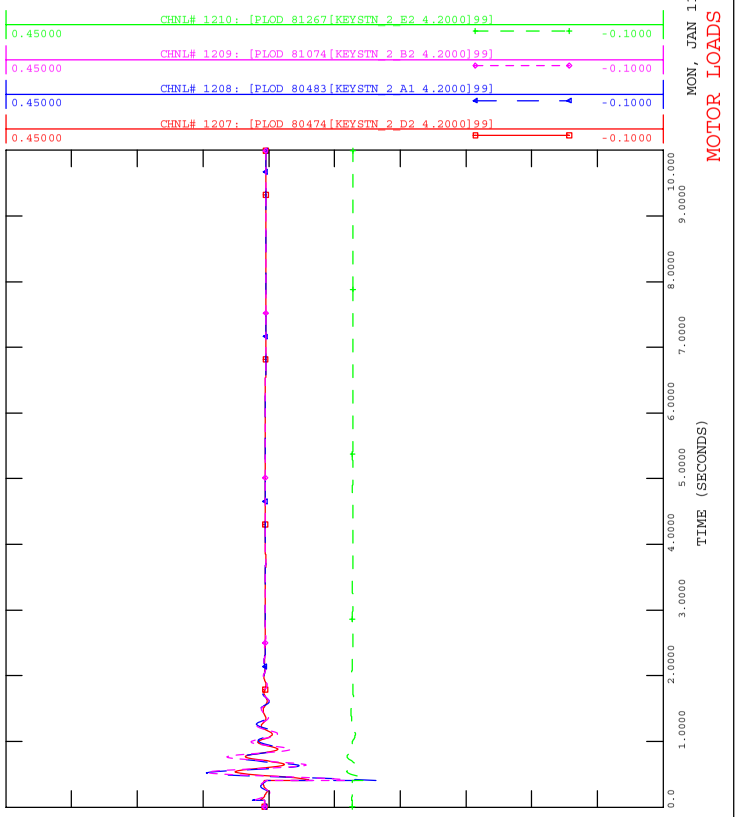


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

MOTOR LOADS GROUP II

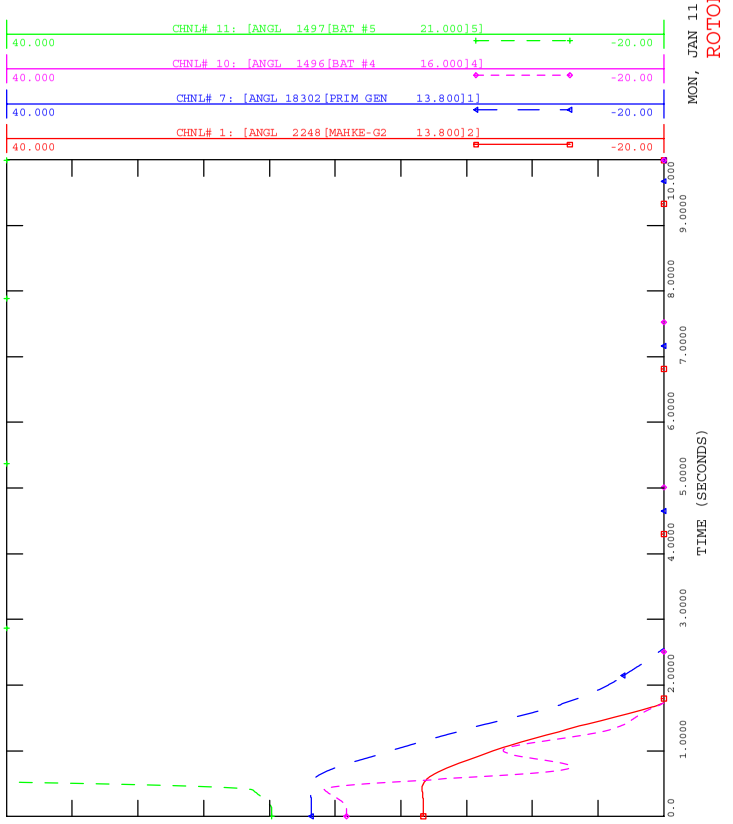


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

MON, JAN 11 2010 9:05

ROTOR ANGLES

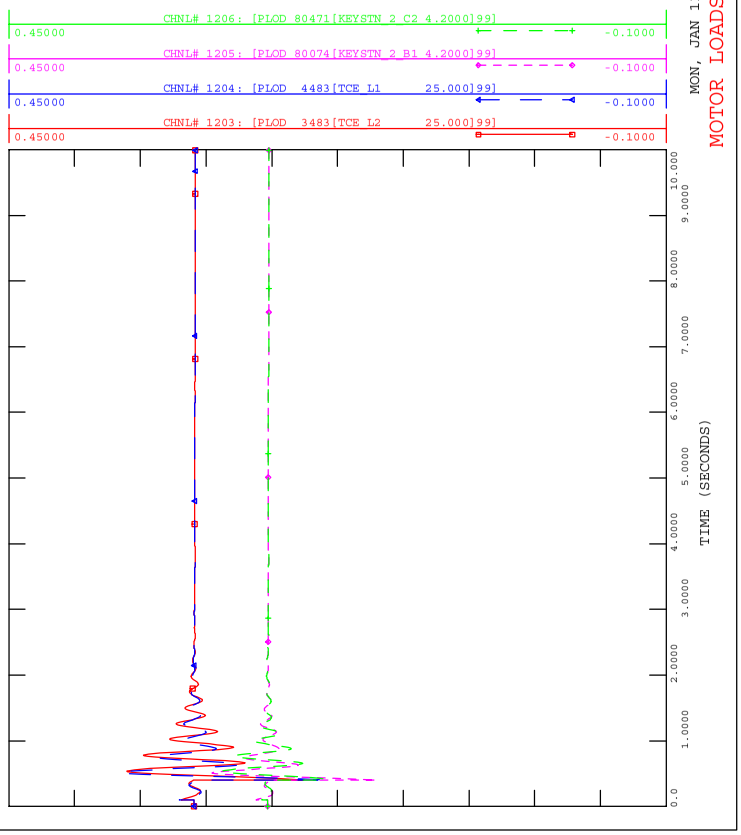


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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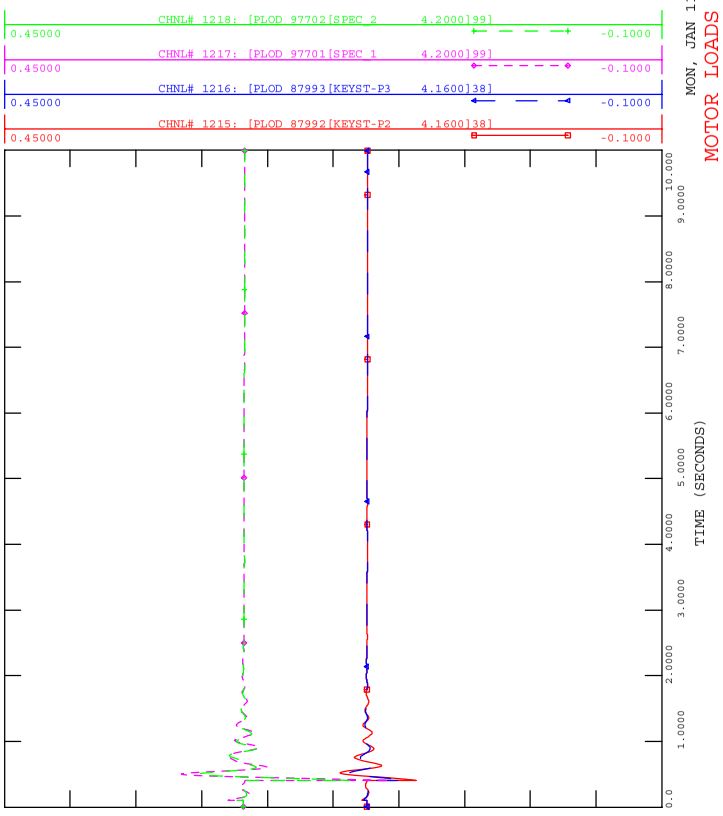
MON, JAN 11 2010 9:05

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

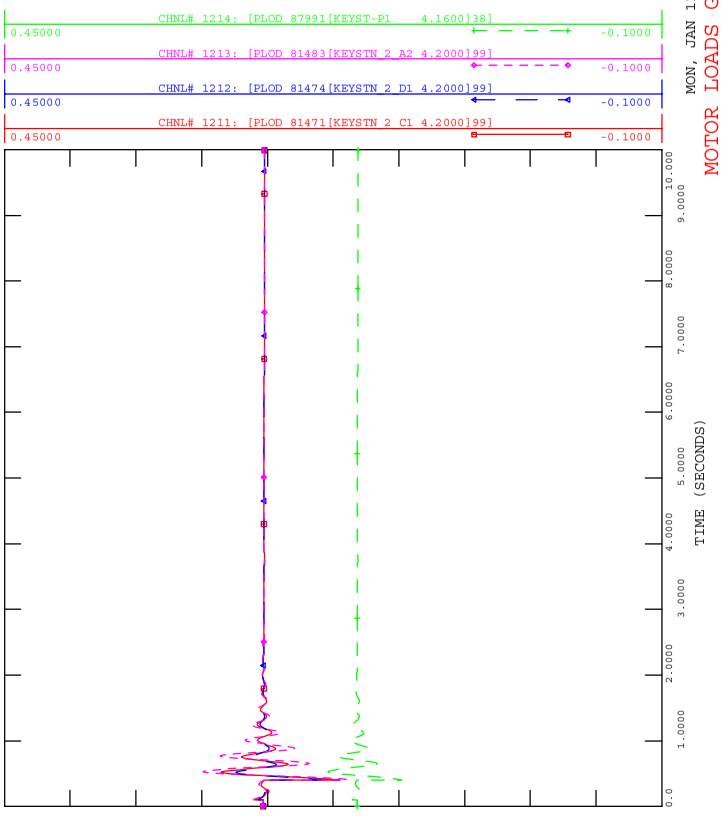


MON, JAN 11 2010 9:05

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out



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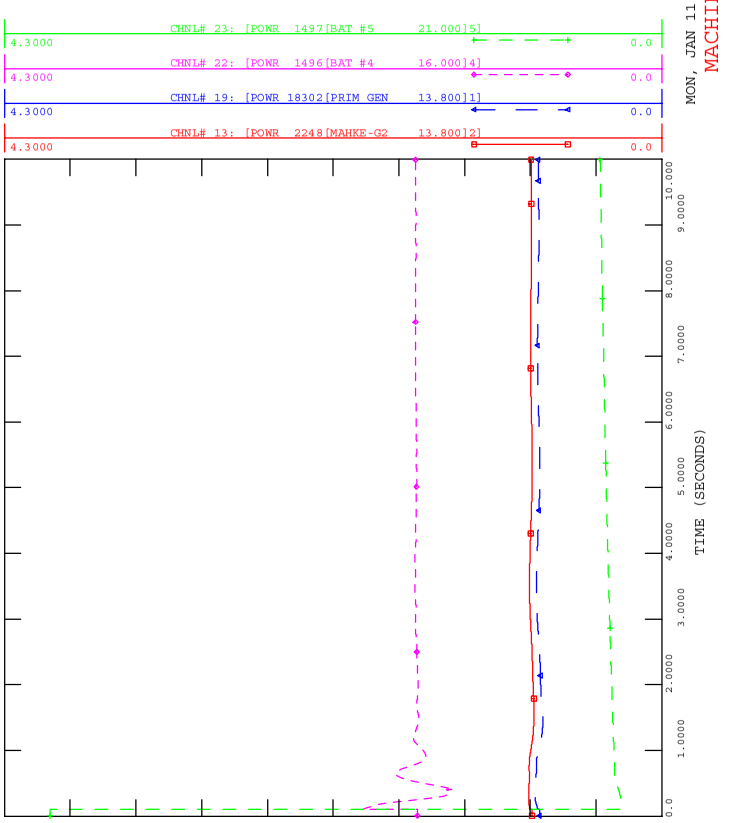
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-7fault.out

MON, JAN 11 2010 8:18

MACHINE POWER

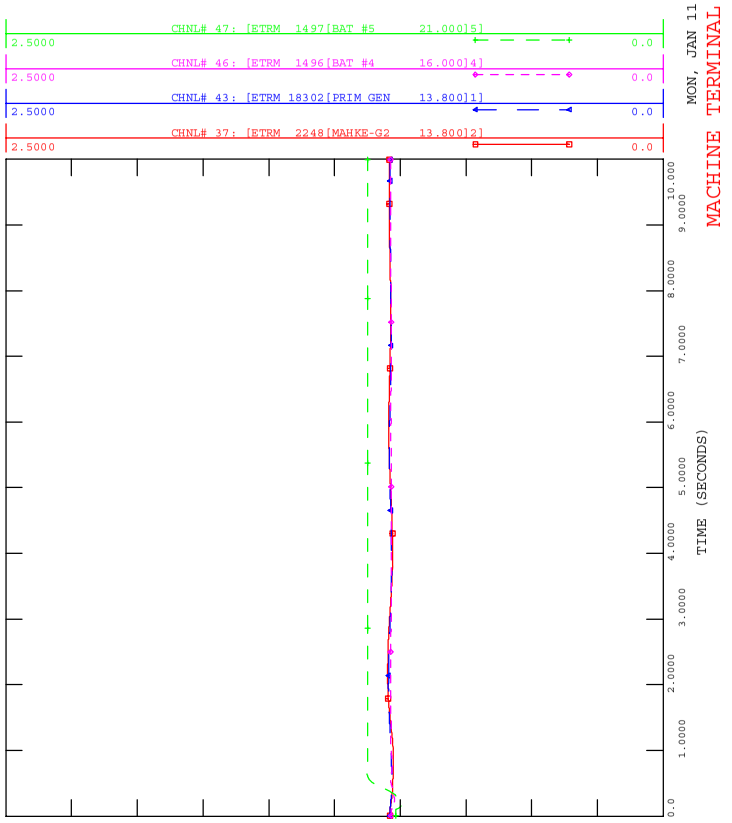


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

MACHINE TERMINAL VOLTAGE

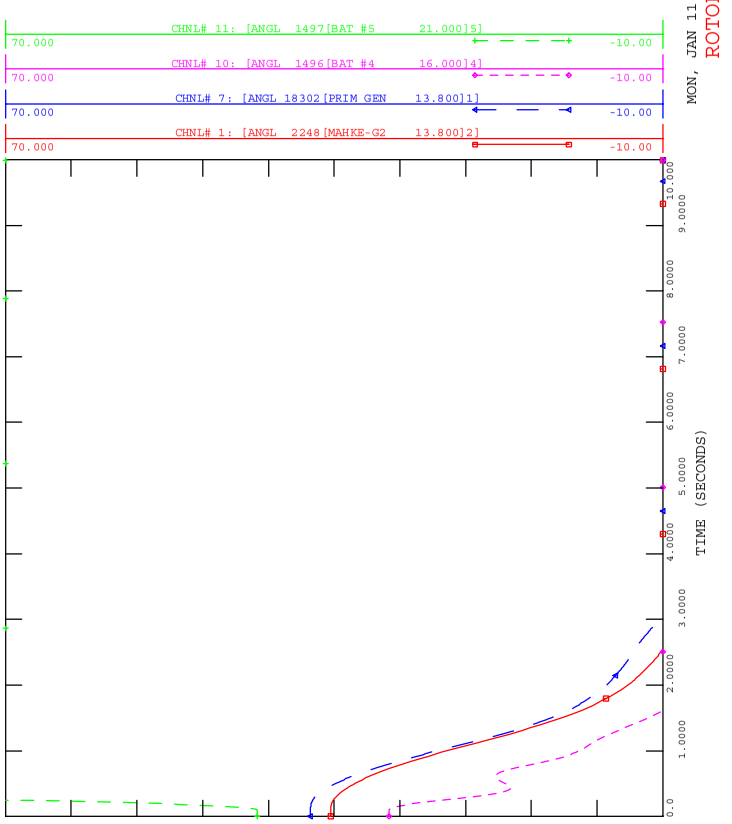


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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ROTOR ANGLES

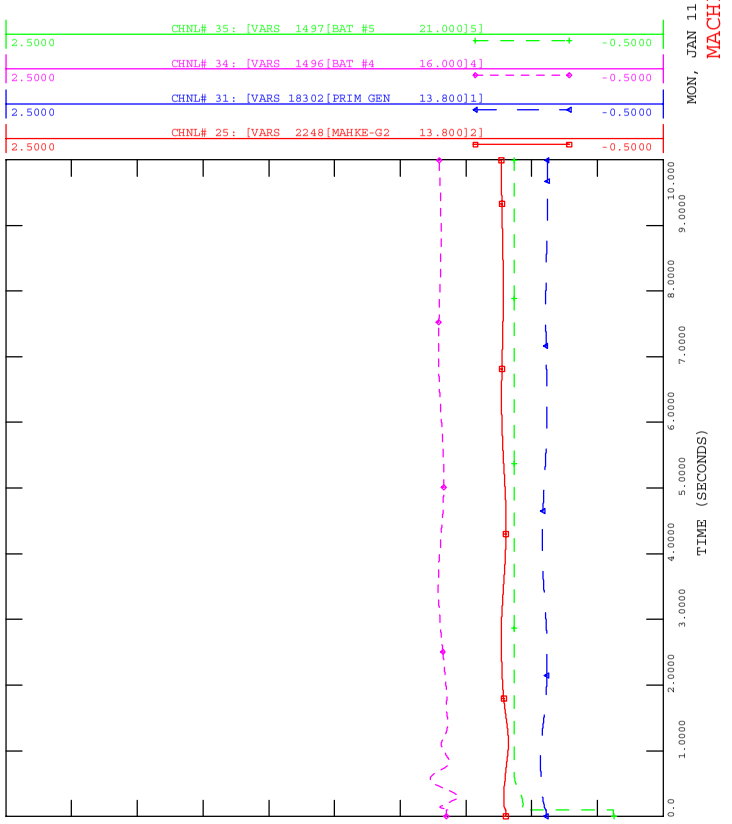


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

MACHINE VARS

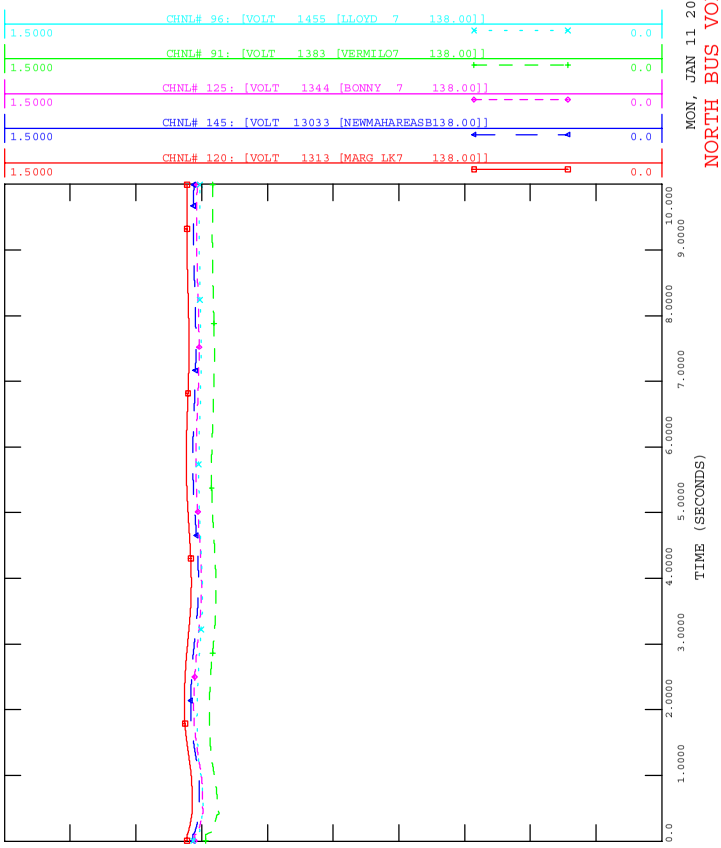


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-7fault.out

MON, JAN 11 2010 8:18

NORTH BUS VOLTAGES

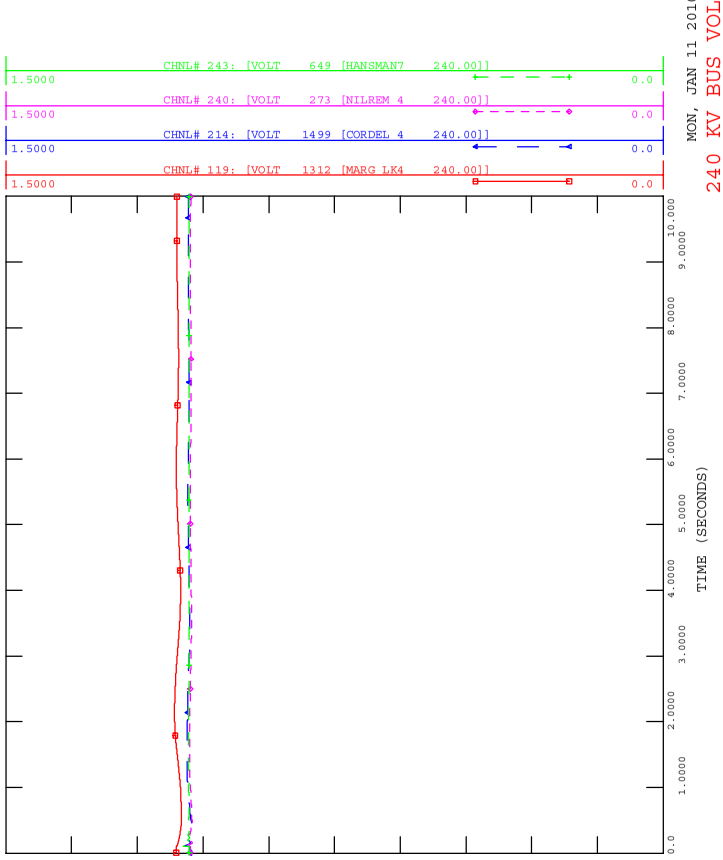


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:18

240 KV BUS VOLTAGES

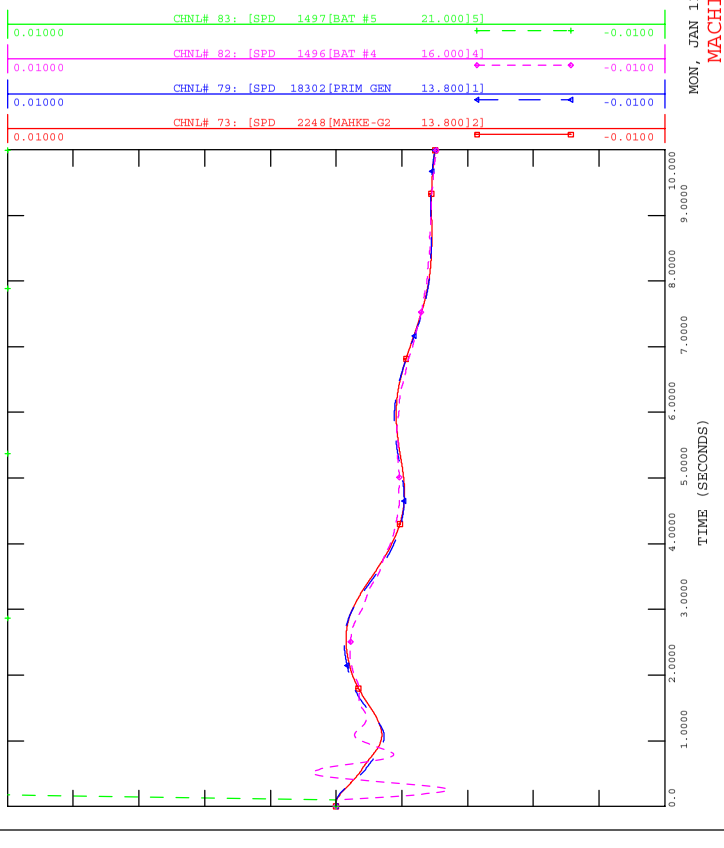


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:18

MACHINE SPEED

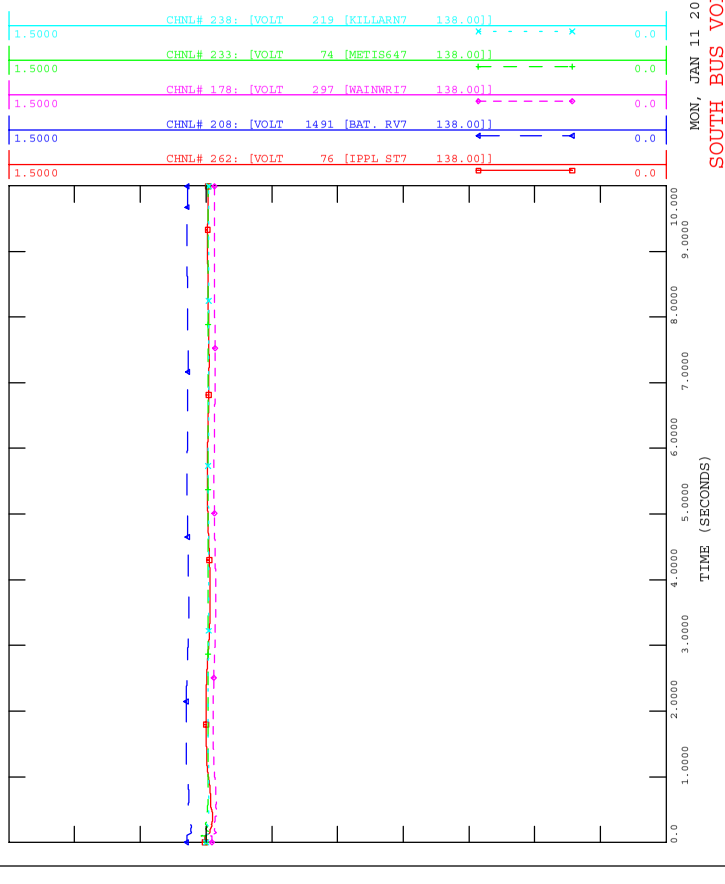


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

SOUTH BUS VOLTAGES

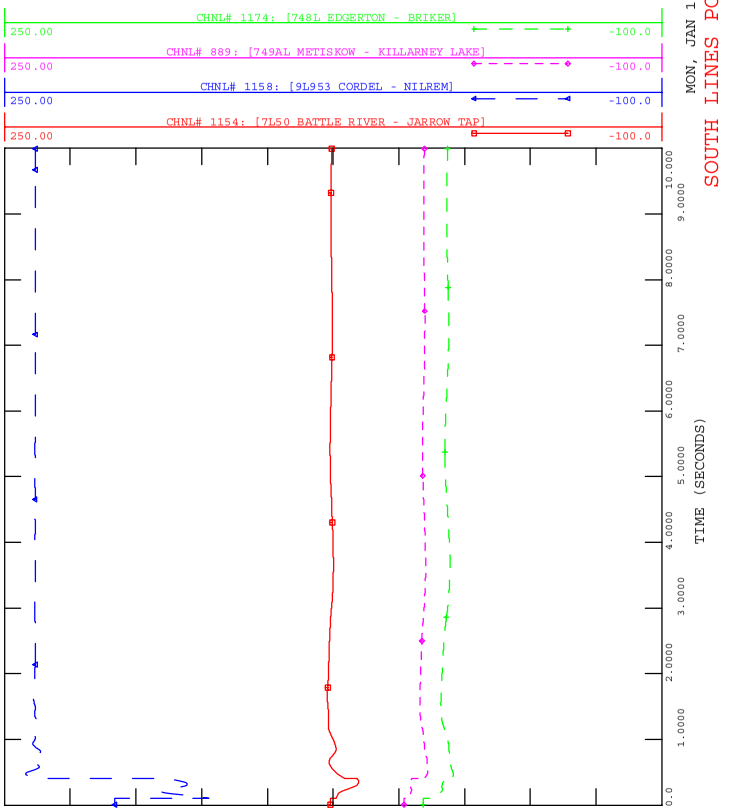


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

SOUTH LINES POWER FLOW

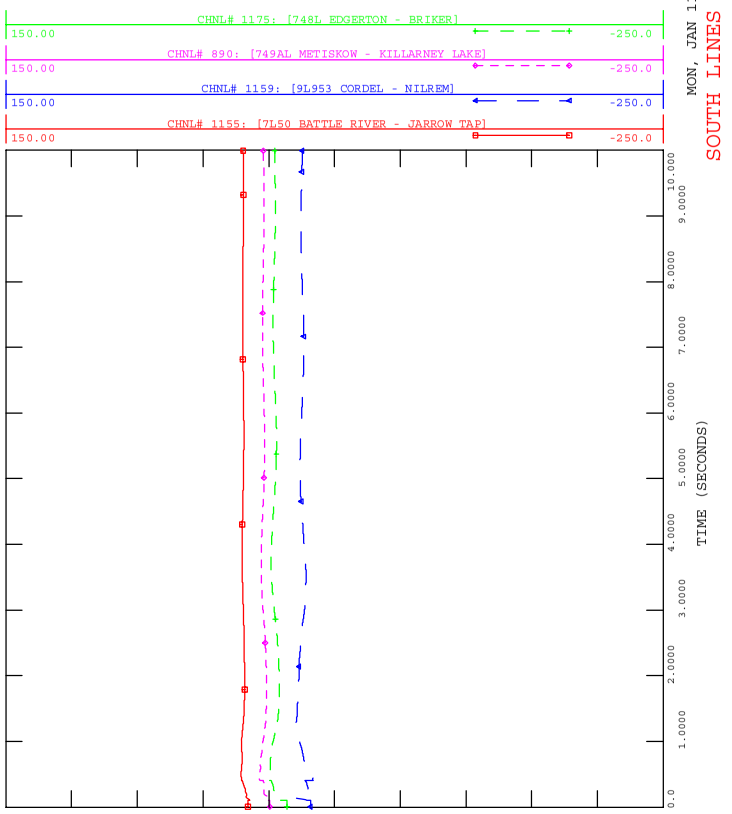


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:18

SOUTH LINES VAR FLOW

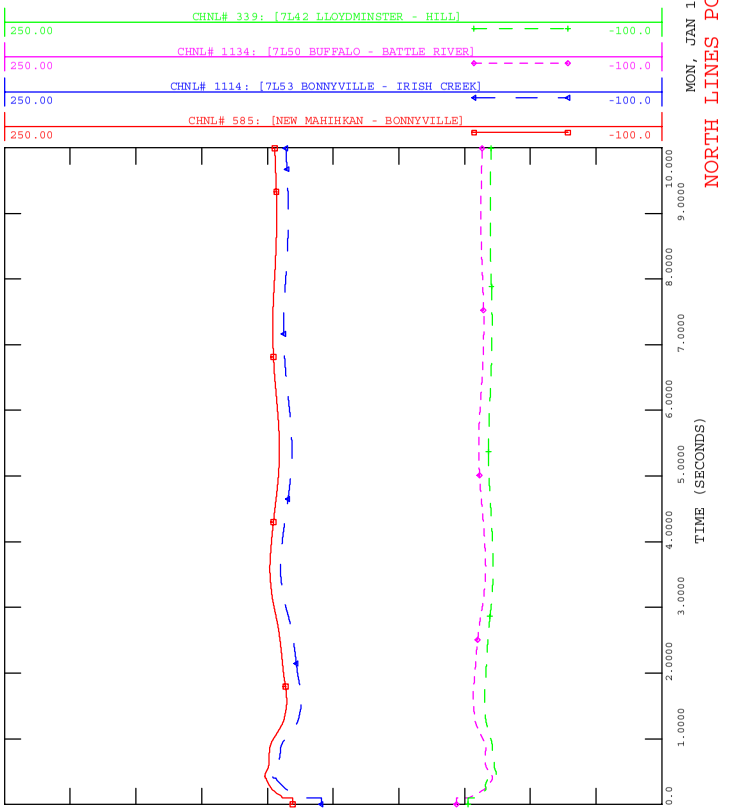


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:18

NORTH LINES POWER FLOW

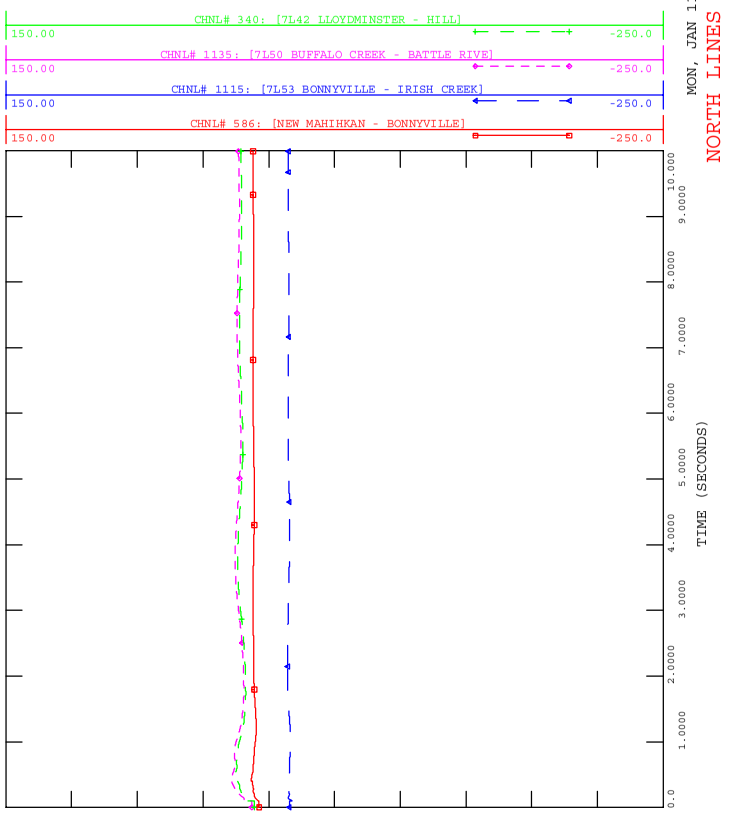


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

NORTH LINES VAR FLOW

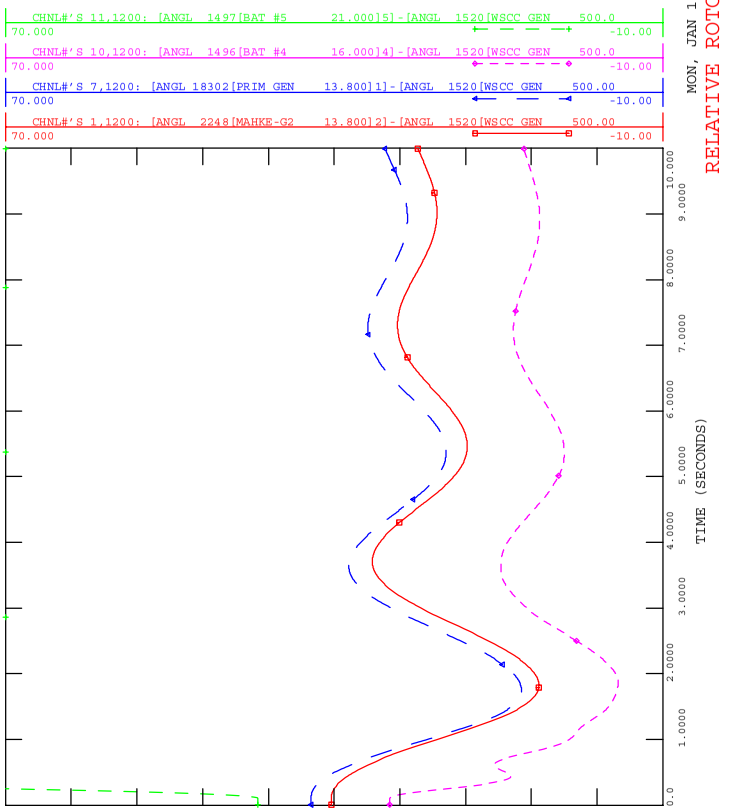


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

RELATIVE ROTOR ANGLES

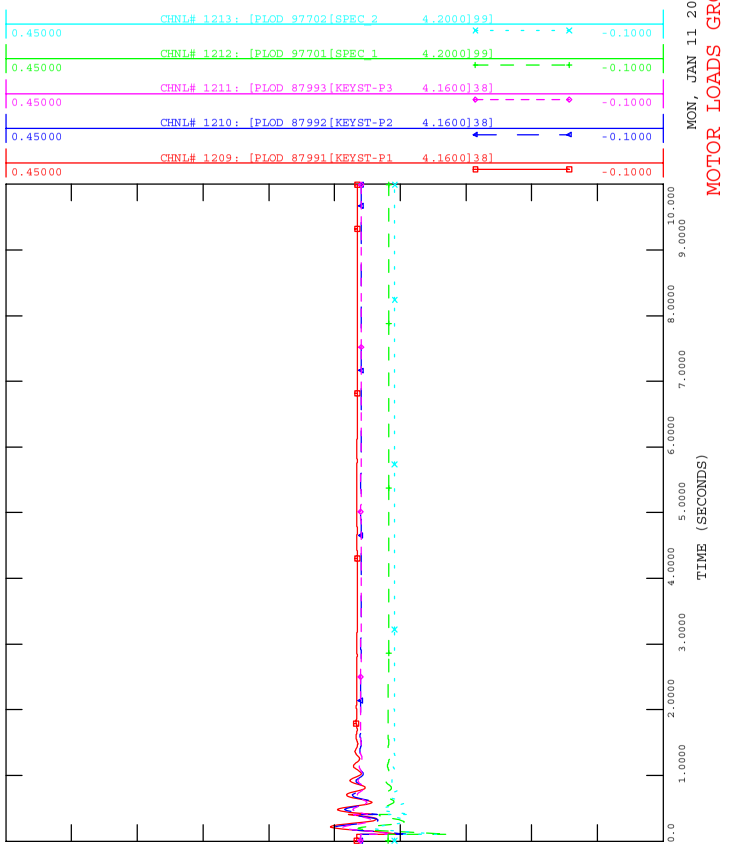


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

MOTOR LOADS GROUP II

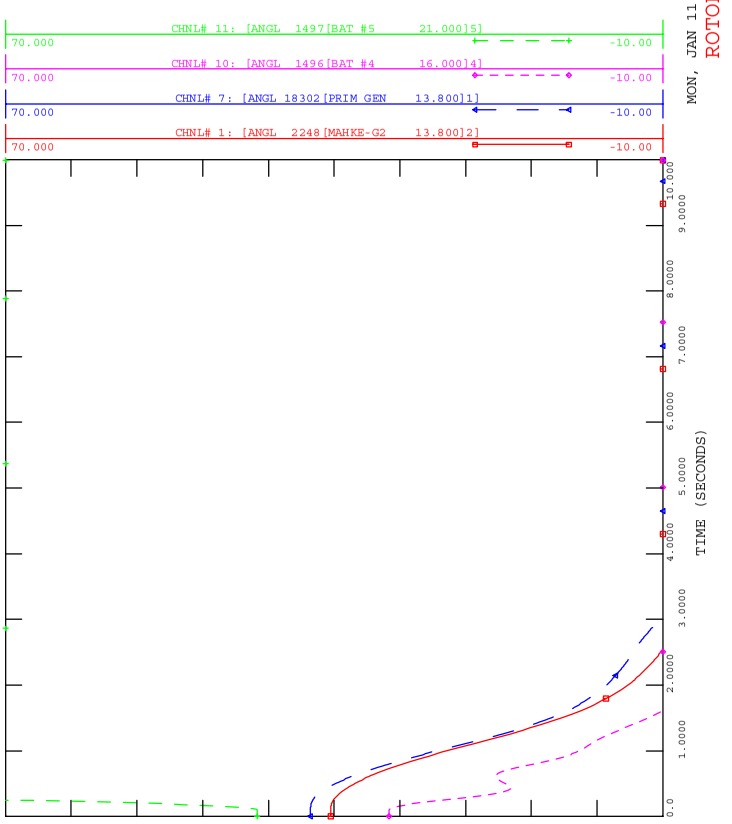


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:18

ROTOR ANGLES

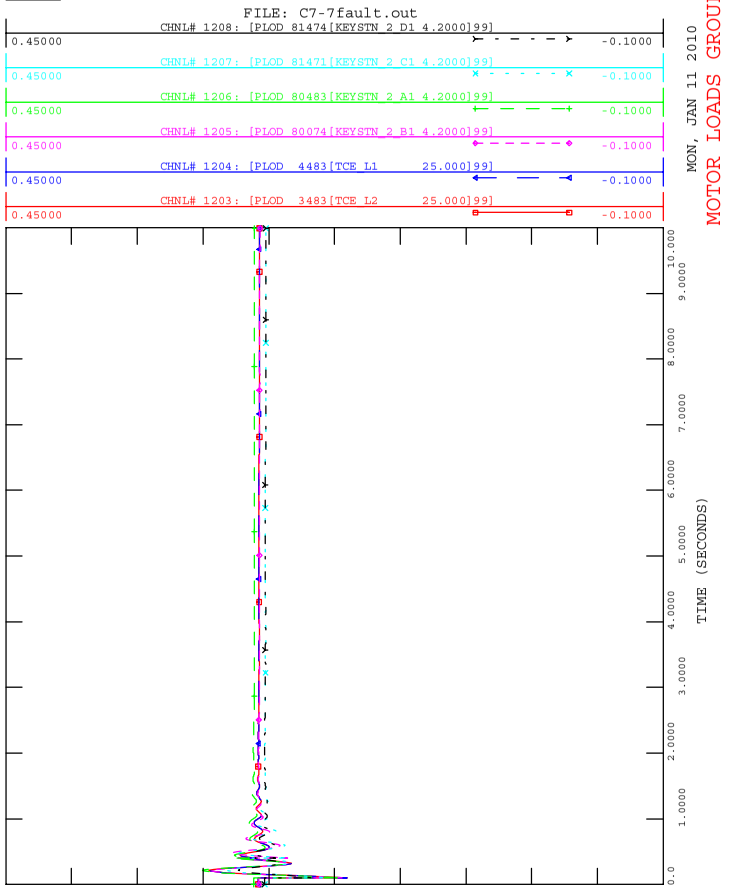


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

MOTOR LOADS GROUP I

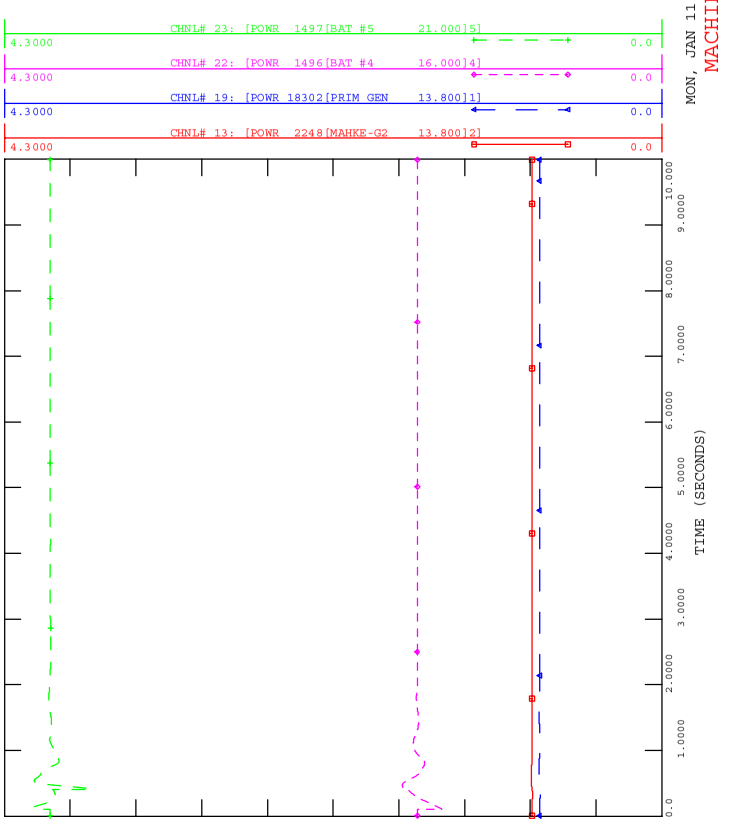


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

MACHINE POWER

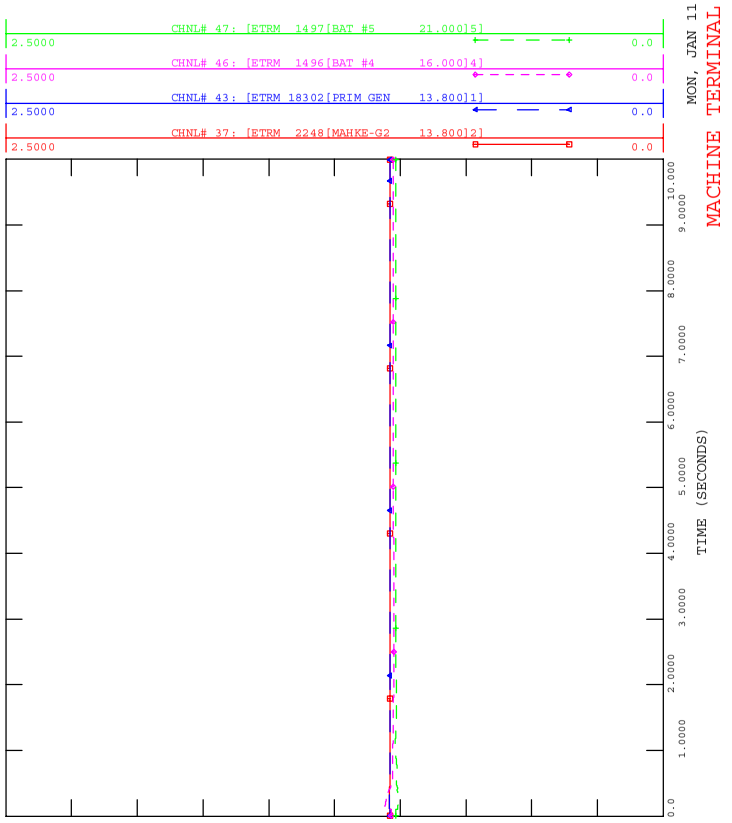


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

MACHINE TERMINAL VOLTAGE

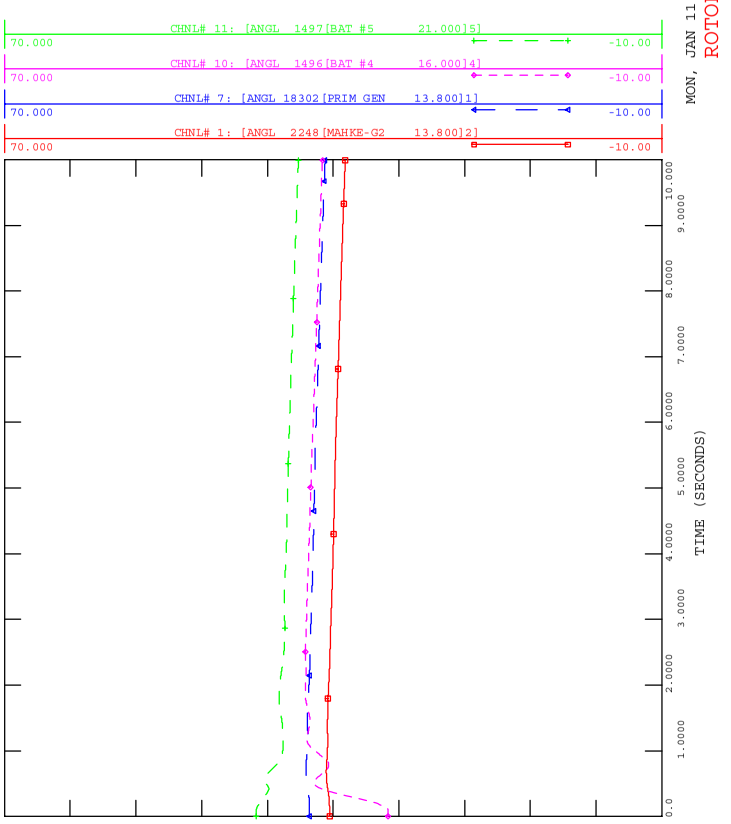


CENTRAL AREA STUDY
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ROTOR ANGLES

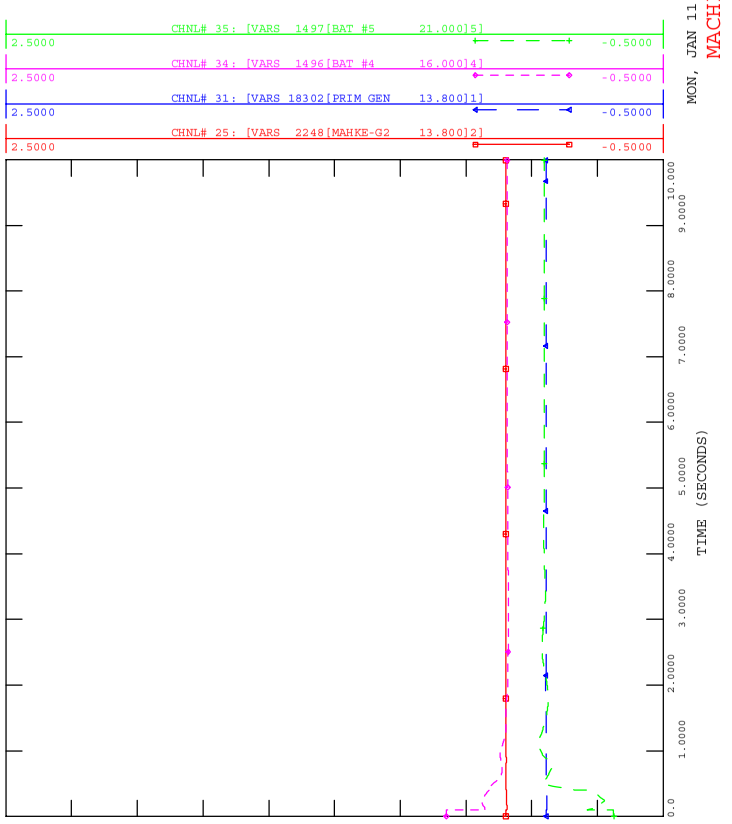


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

MACHINE VARS

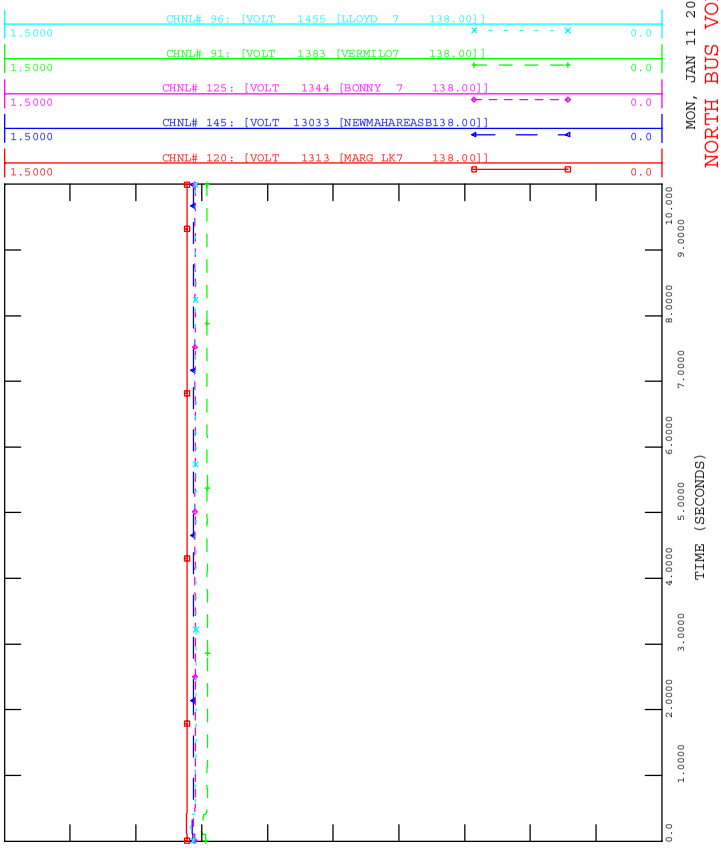


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

NORTH BUS VOLTAGES

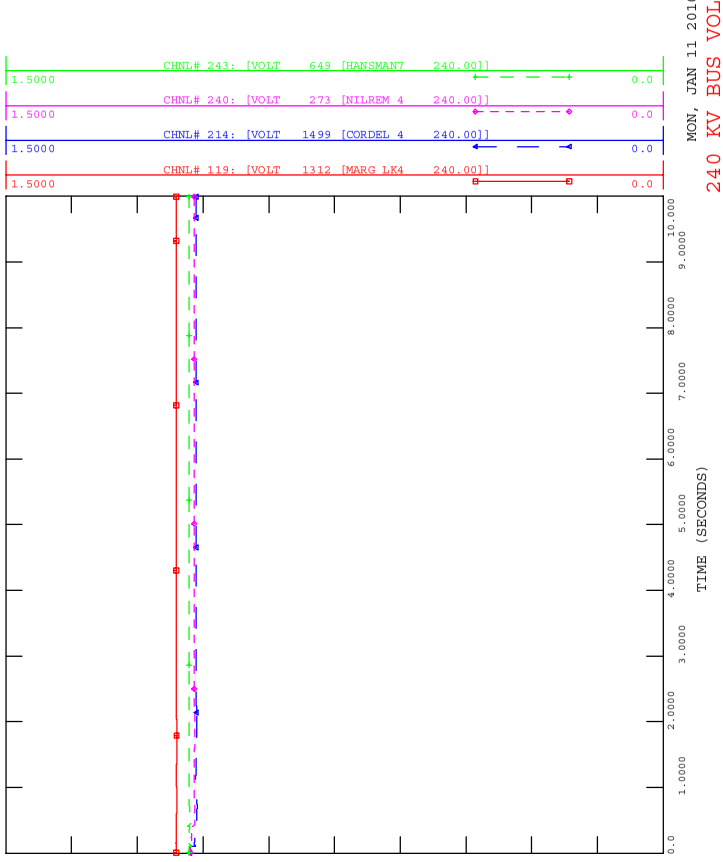


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

240 KV BUS VOLTAGES

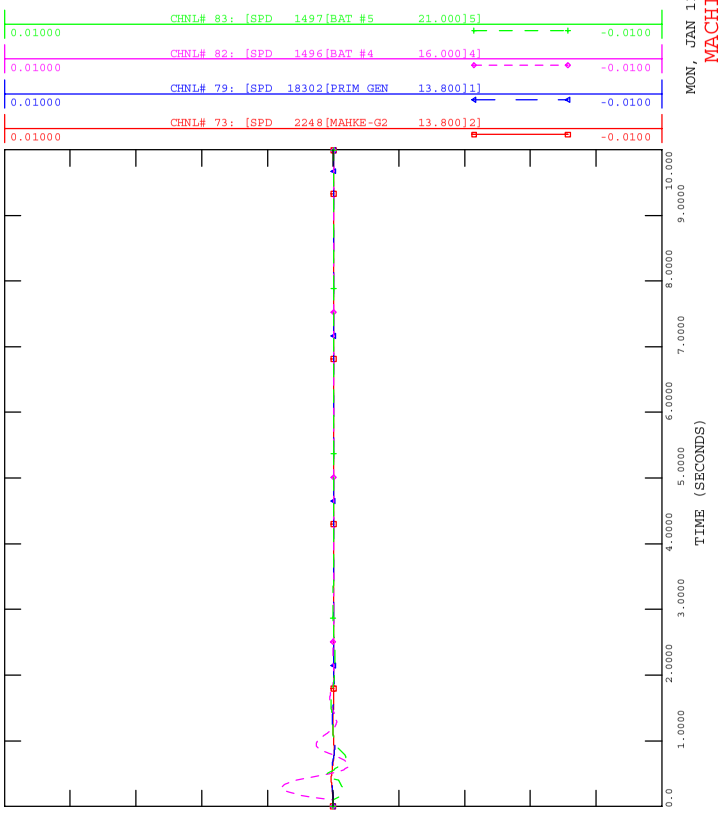


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

MACHINE SPEED

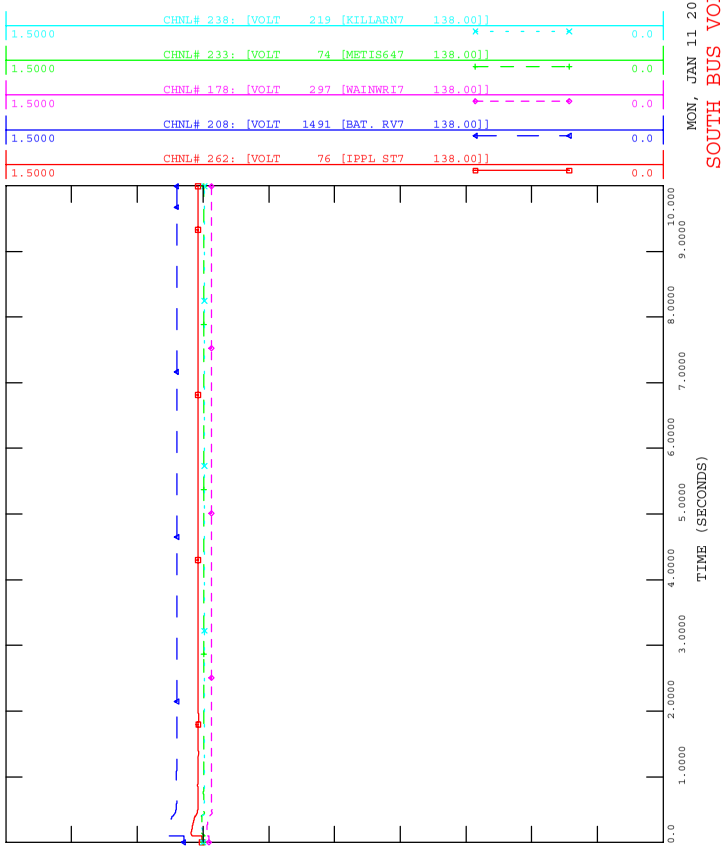


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

SOUTH BUS VOLTAGES

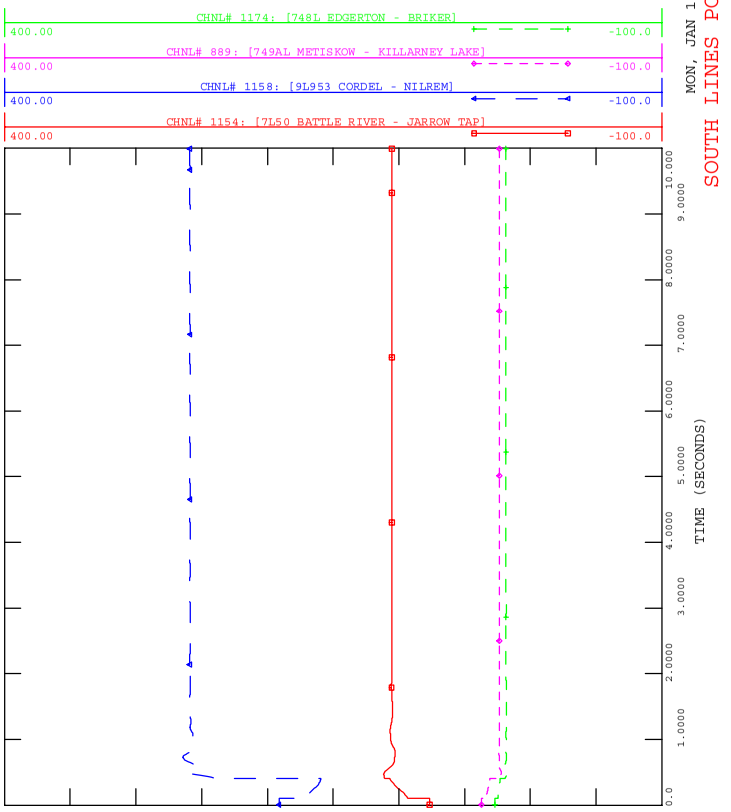


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

SOUTH LINES POWER FLOW

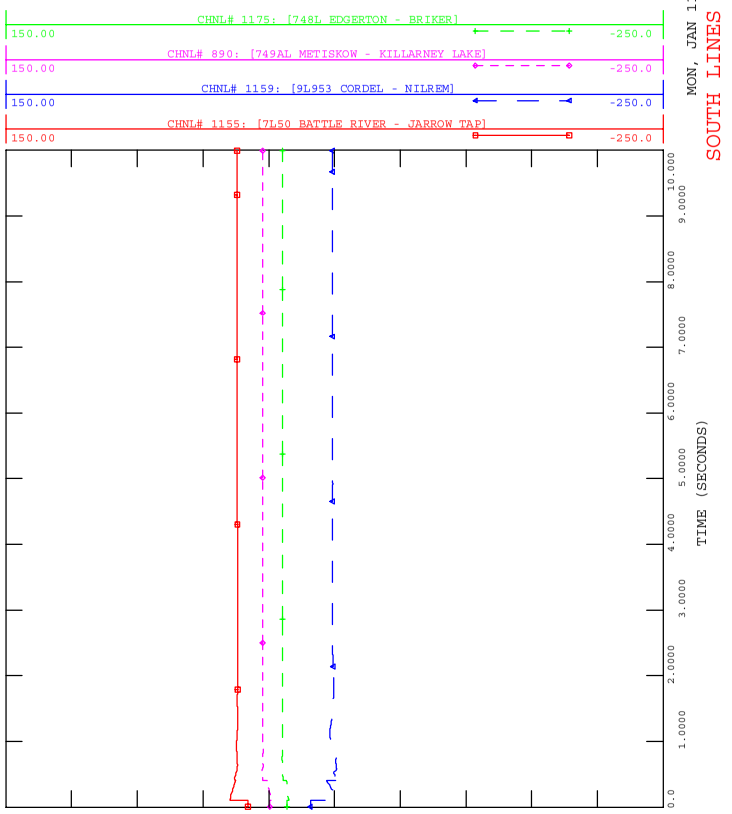


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

SOUTH LINES VAR FLOW

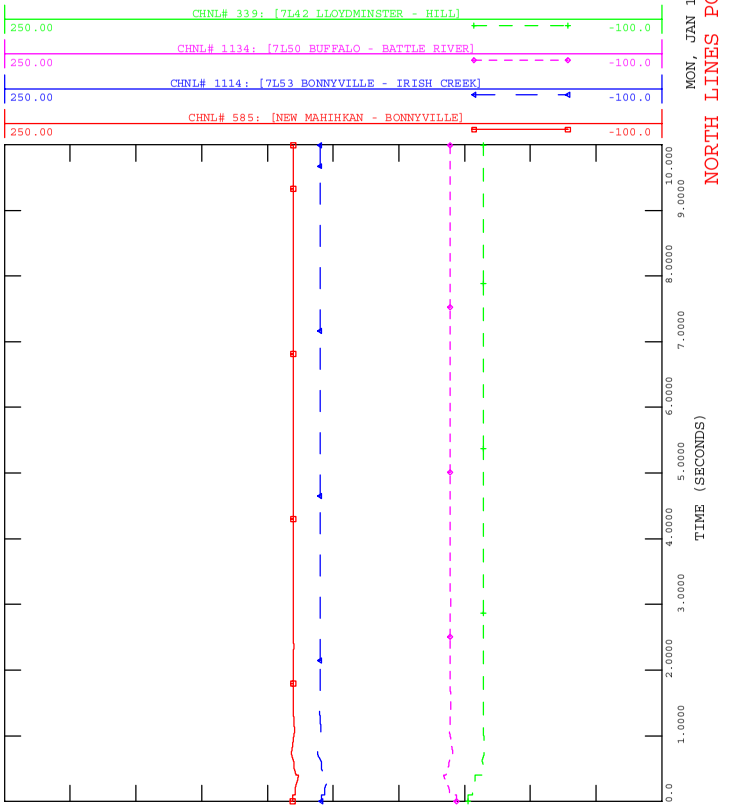


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

NORTH LINES POWER FLOW

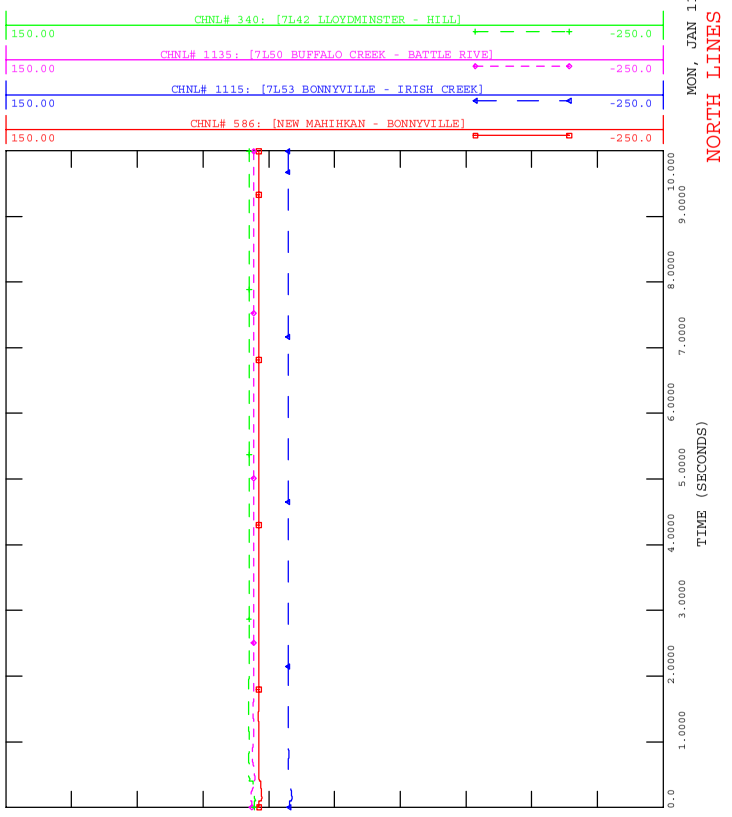


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

NORTH LINES VAR FLOW



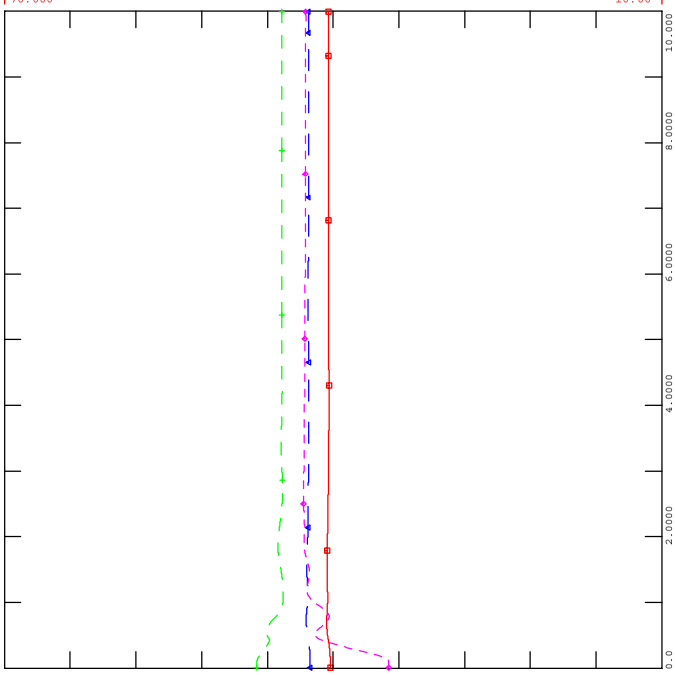
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

RELATIVE ROTOR ANGLES

CHNL#'S 11,1200: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1200: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1200: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1200: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



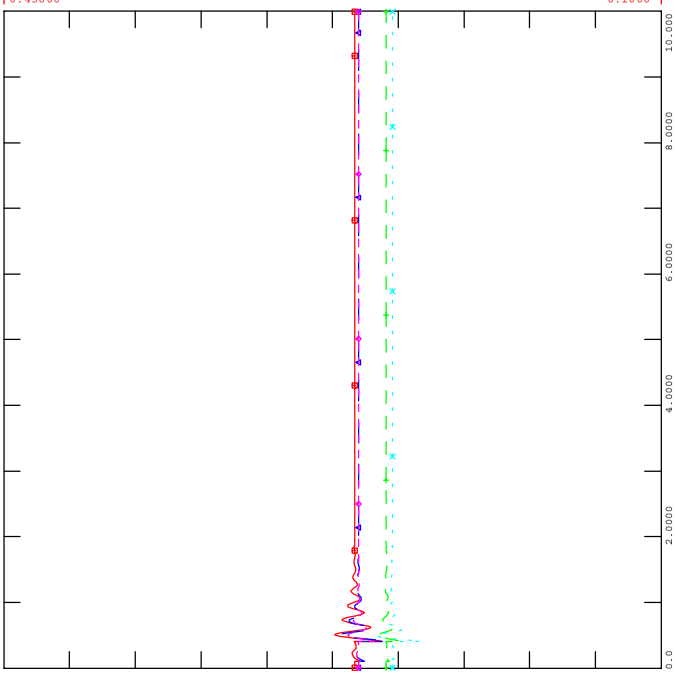
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

MOTOR LOADS GROUP II

CHNL# 1213: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1210: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1209: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



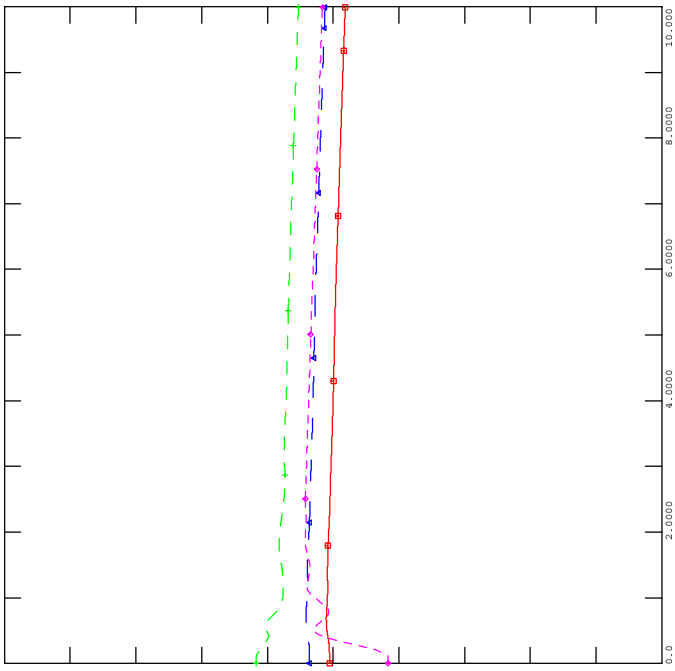
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



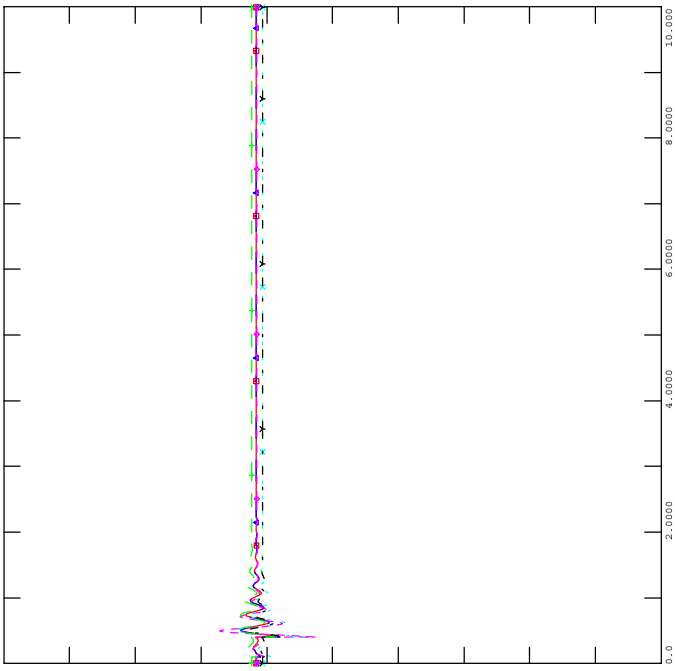
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-8fault.out

MON, JAN 11 2010 8:18

MOTOR LOADS GROUP I

CHNL# 1208: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1207: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1206: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1205: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1204: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1203: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

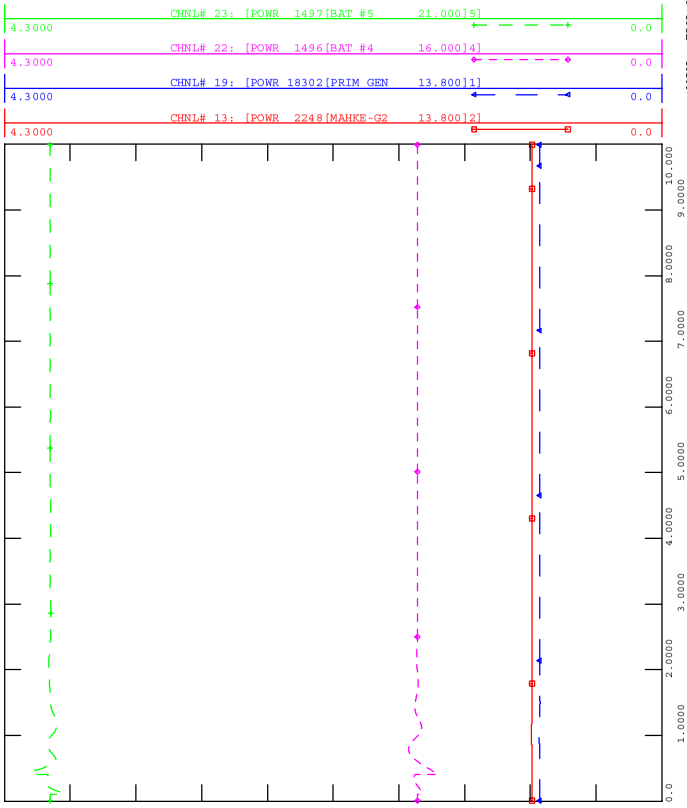


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

MACHINE POWER

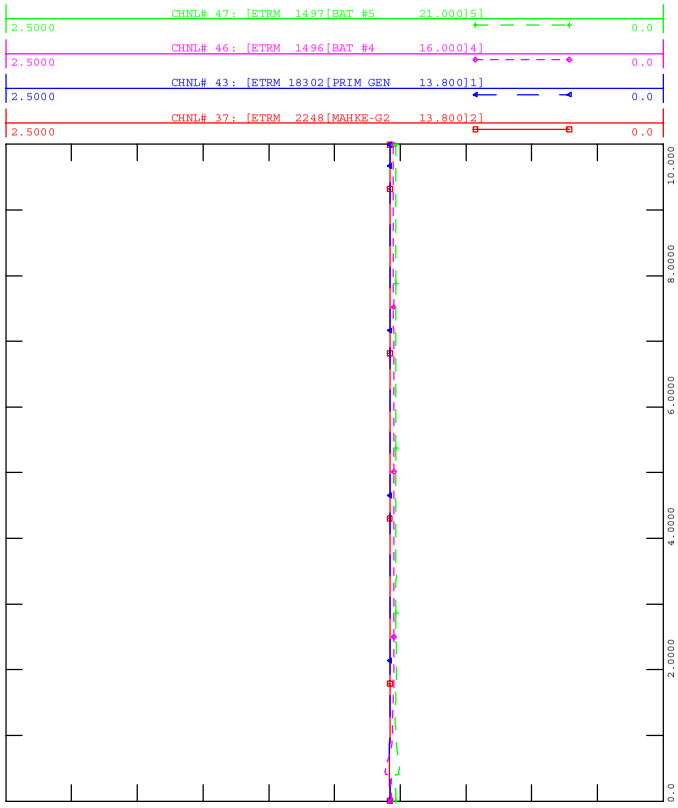


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

MACHINE TERMINAL VOLTAGE

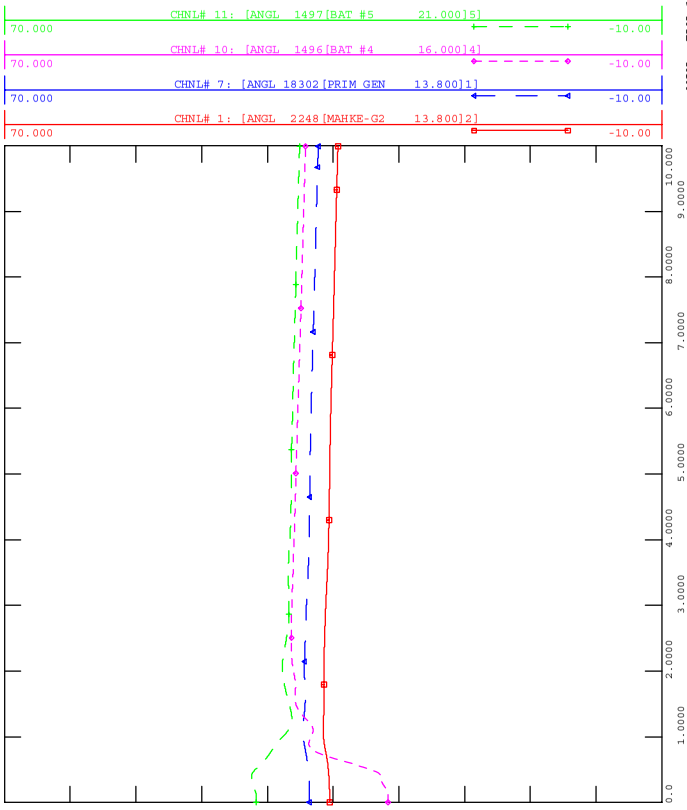


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

ROTOR ANGLES

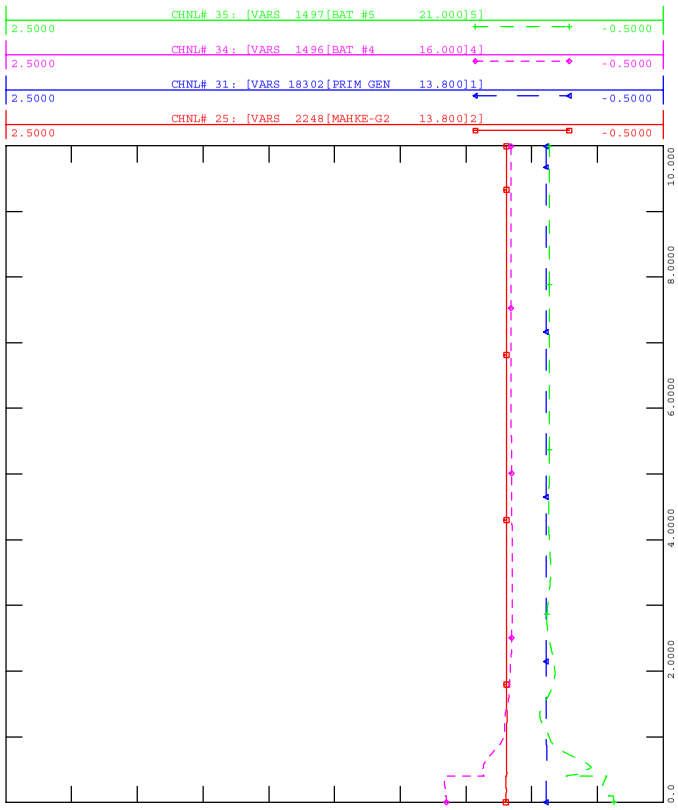


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

MACHINE VARS

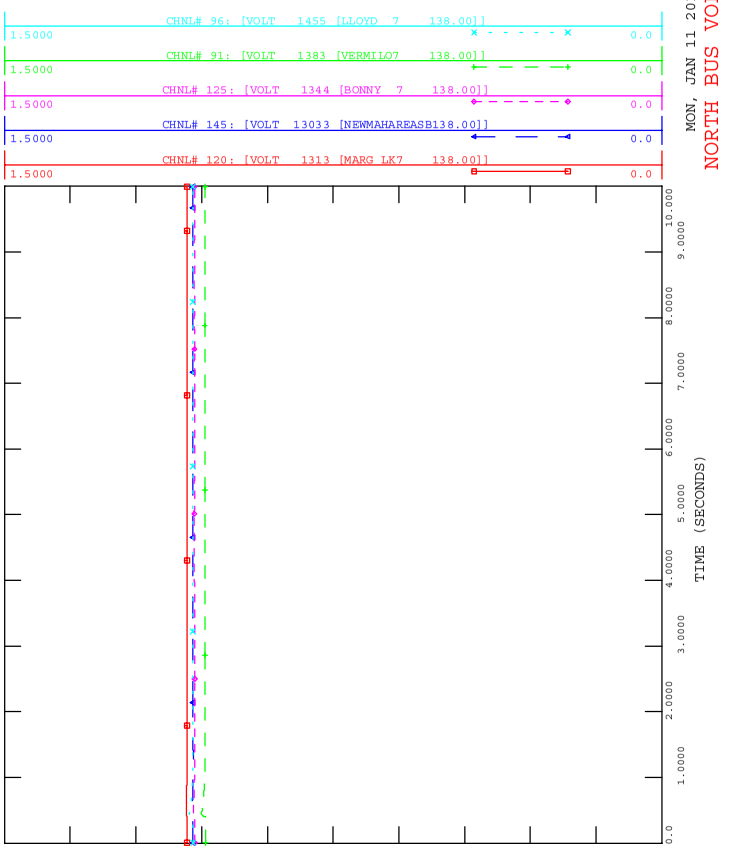


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

NORTH BUS VOLTAGES

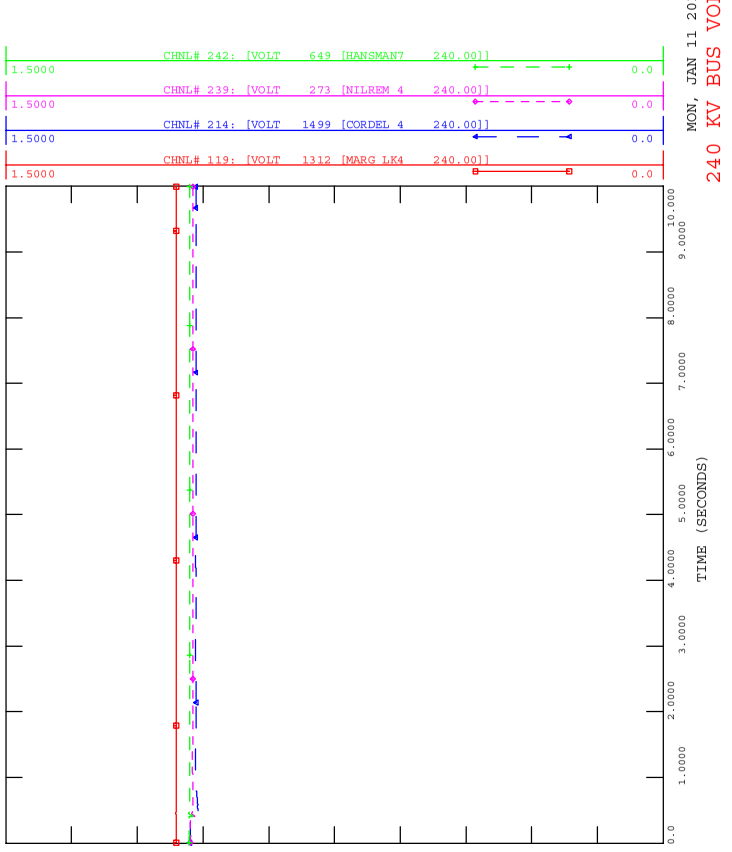


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

240 KV BUS VOLTAGES

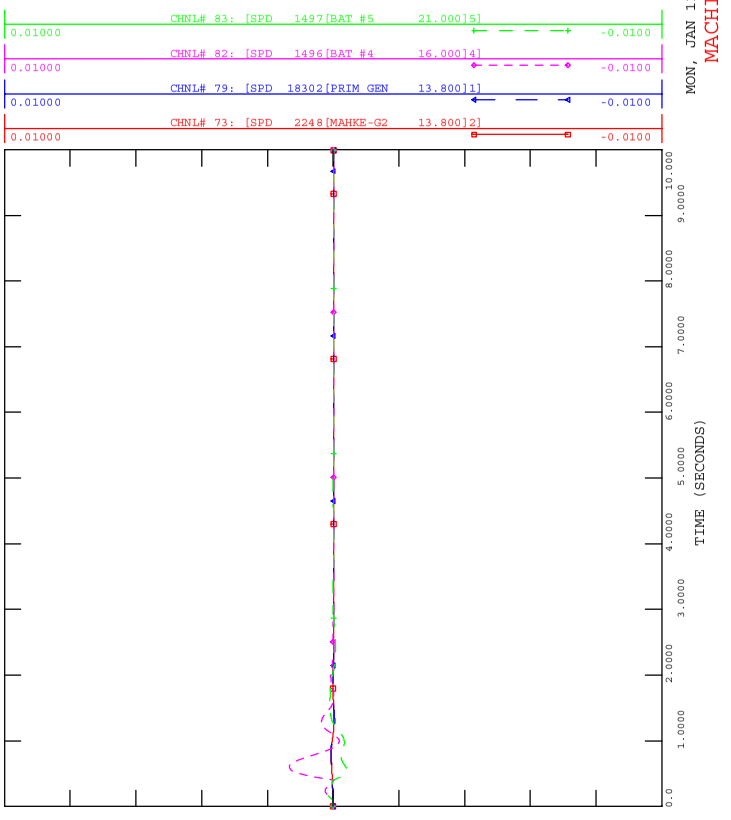


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

MACHINE SPEED

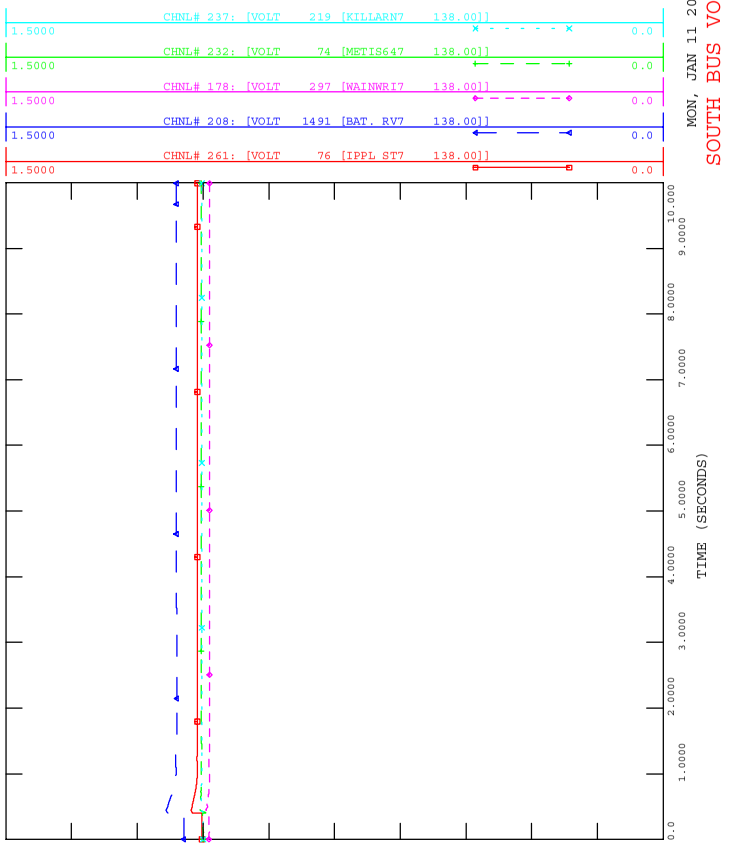


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

SOUTH BUS VOLTAGES

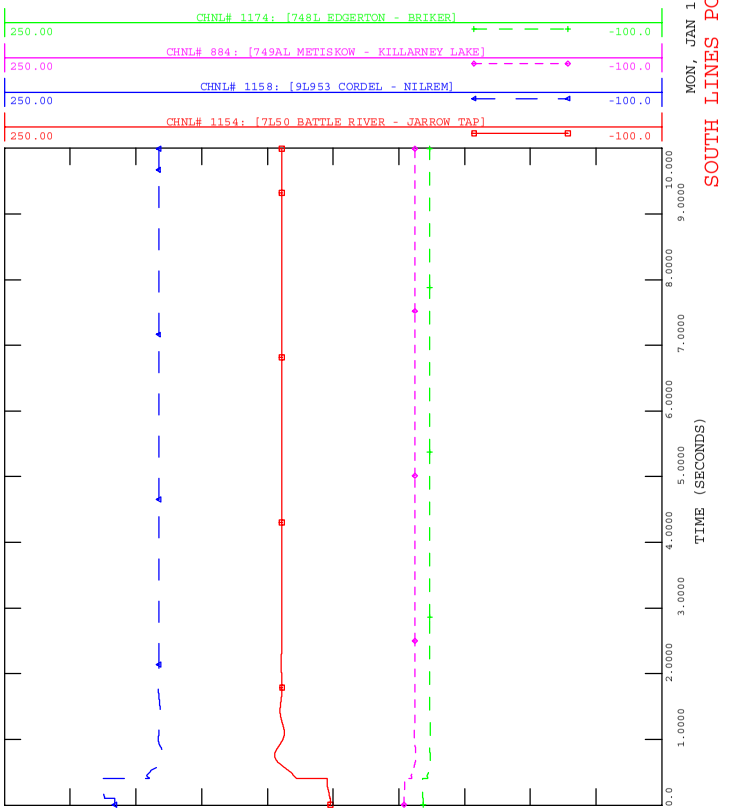


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

SOUTH LINES POWER FLOW

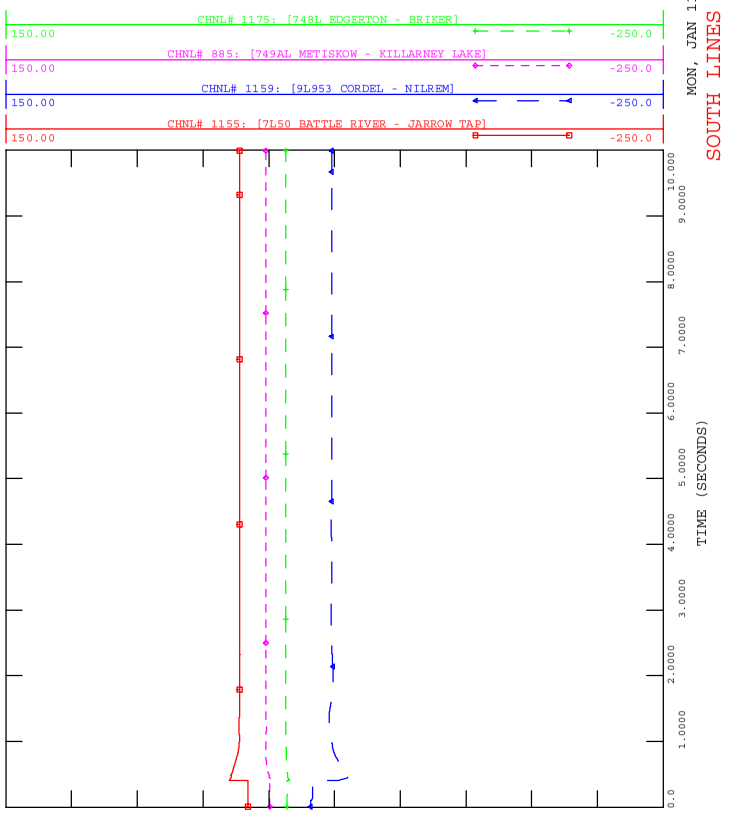


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

SOUTH LINES VAR FLOW

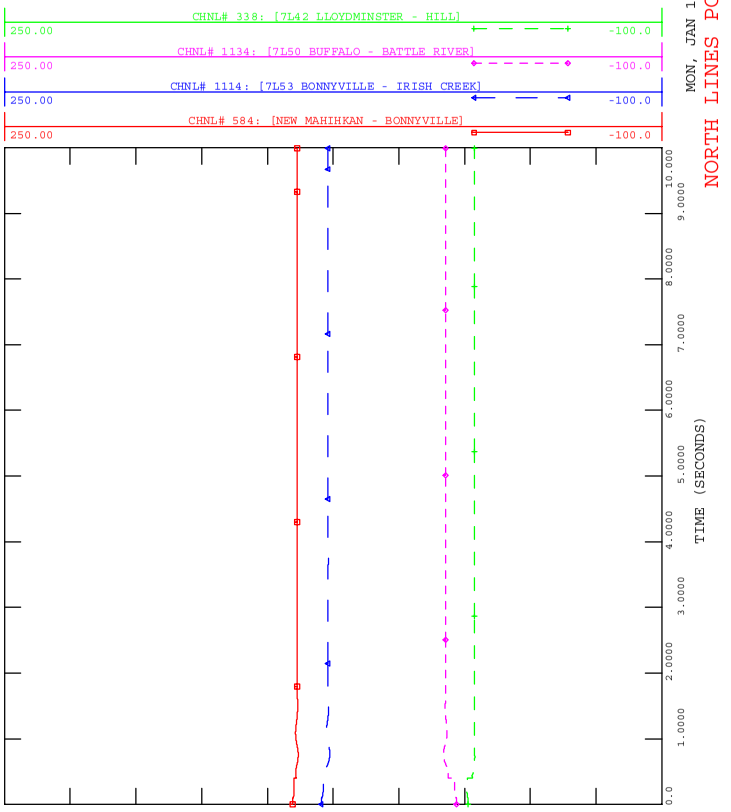


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

NORTH LINES POWER FLOW

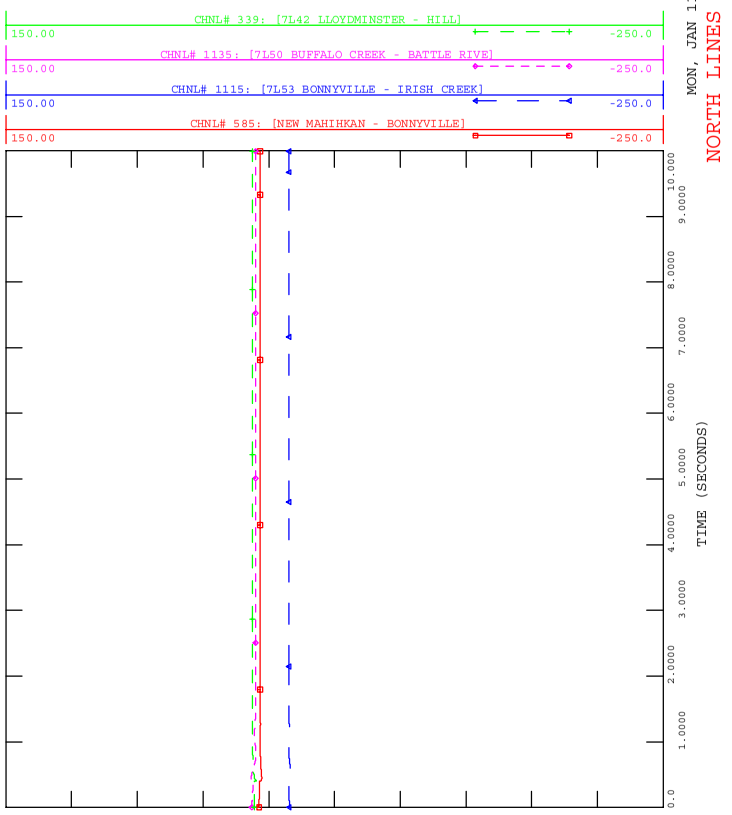


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

NORTH LINES VAR FLOW



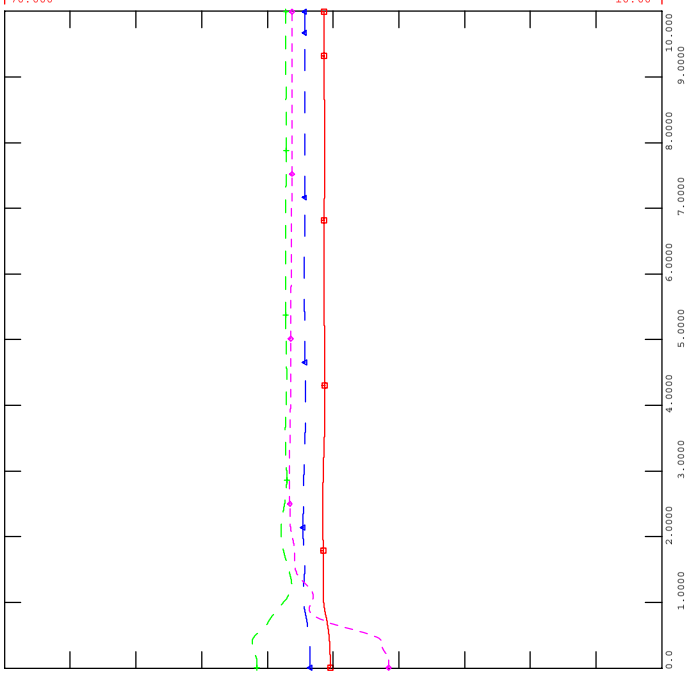
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

RELATIVE ROTOR ANGLES

CHNL#'S 11,1200: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1200: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1200: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1200: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



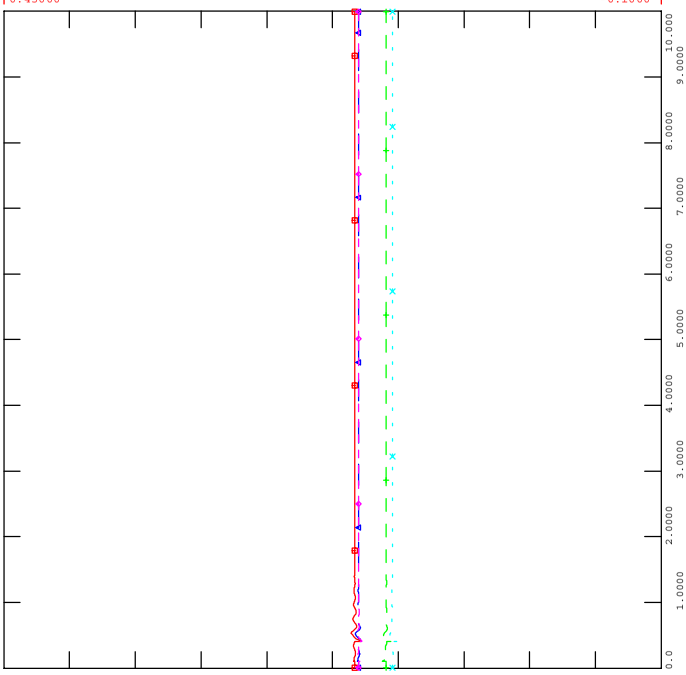
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

MOTOR LOADS GROUP II

CHNL# 1213: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1210: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1209: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



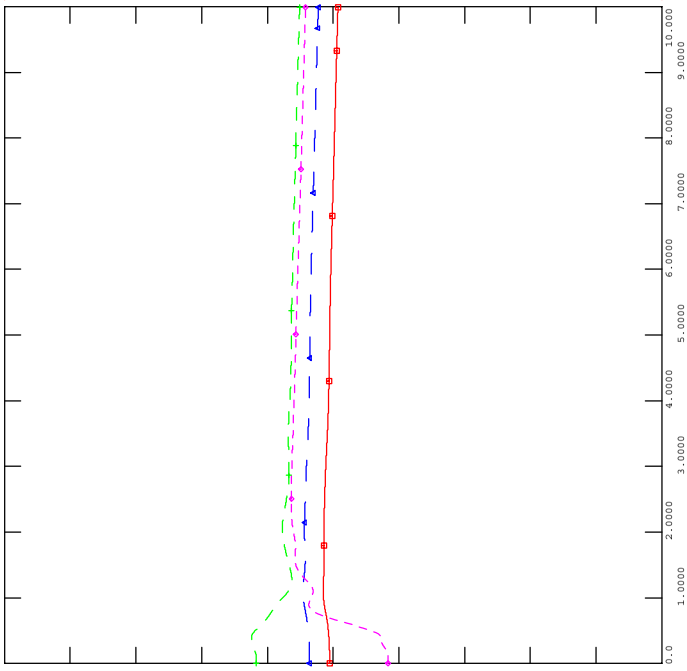
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



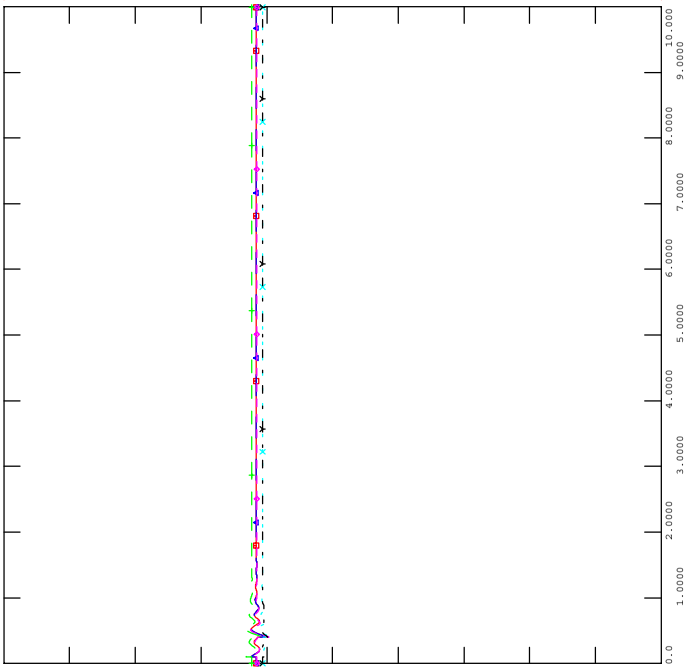
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-9fault.out

MON, JAN 11 2010 8:18

MOTOR LOADS GROUP I

CHNL# 1208: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1207: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1206: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1205: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1204: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1203: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

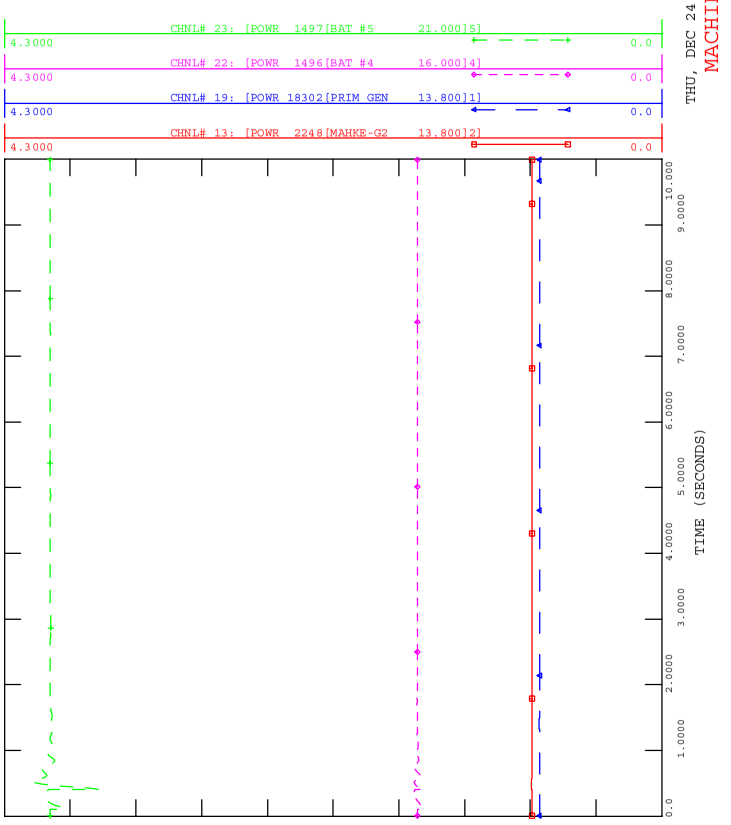


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

MACHINE POWER

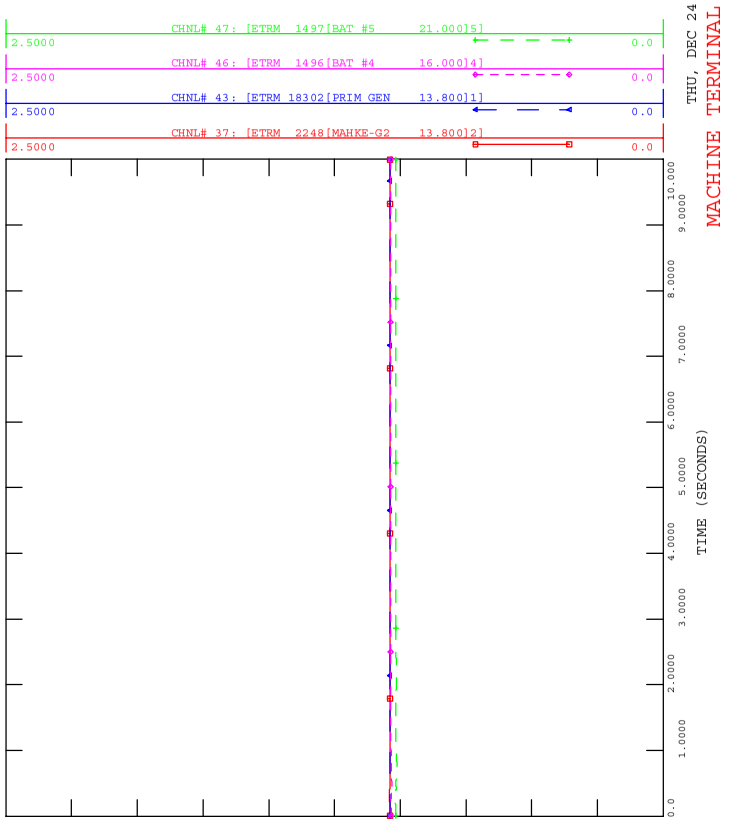


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

MACHINE TERMINAL VOLTAGE

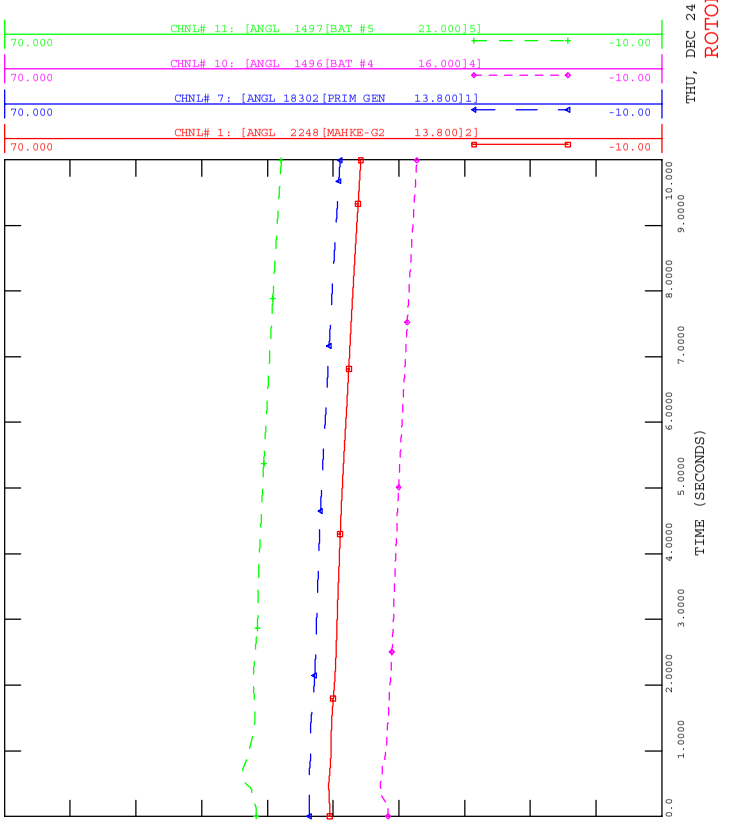


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

ROTOR ANGLES

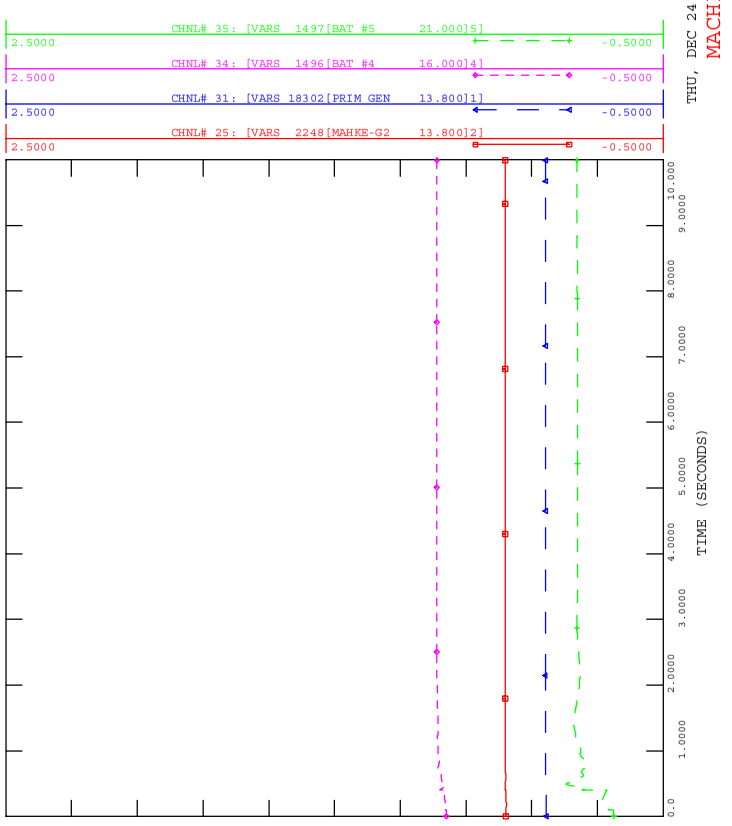


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

MACHINE VARS

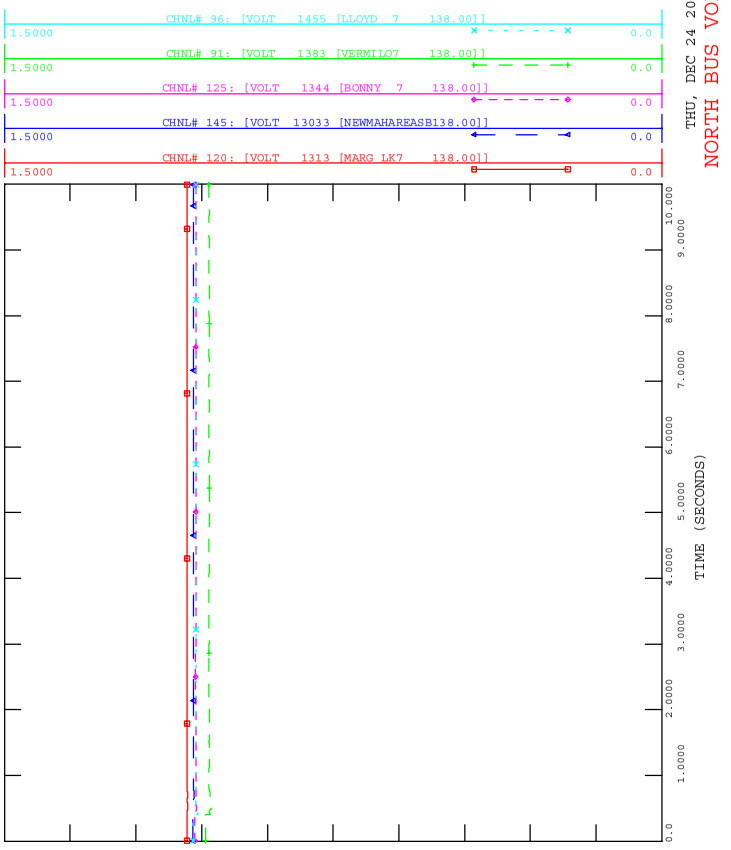


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

NORTH BUS VOLTAGES

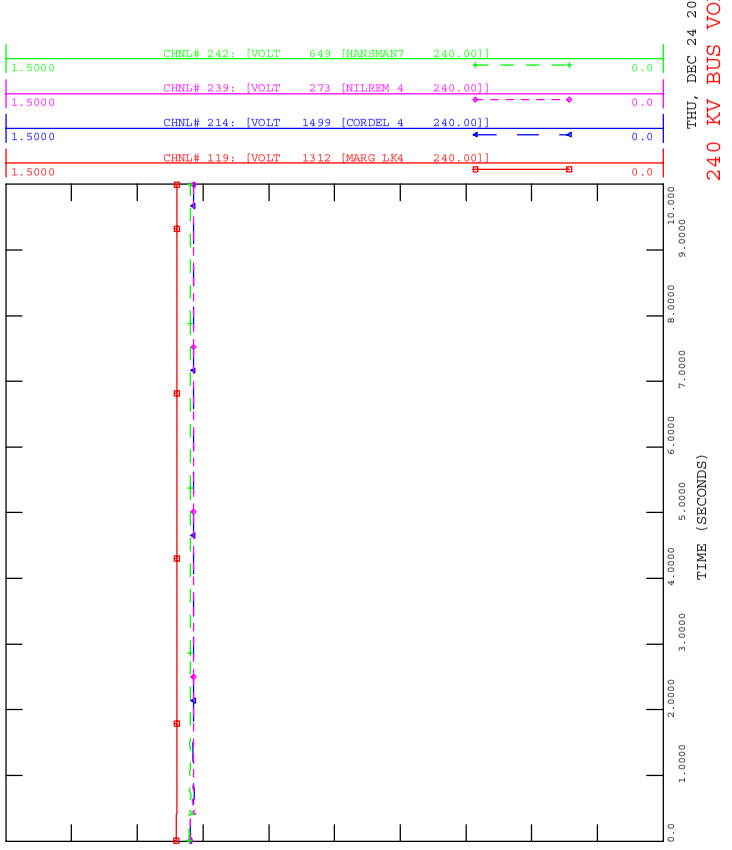


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

240 KV BUS VOLTAGES

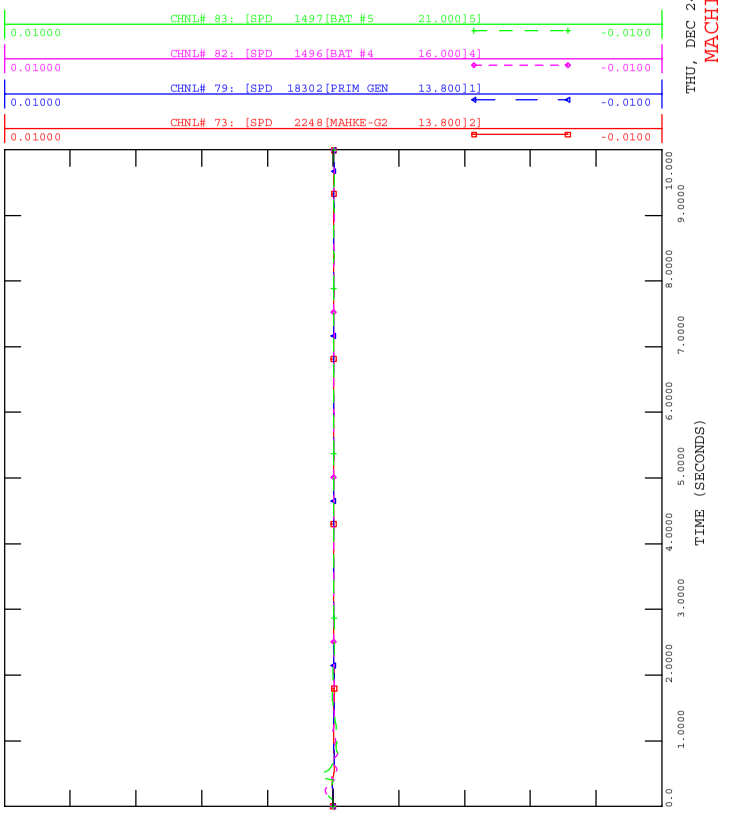


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

MACHINE SPEED

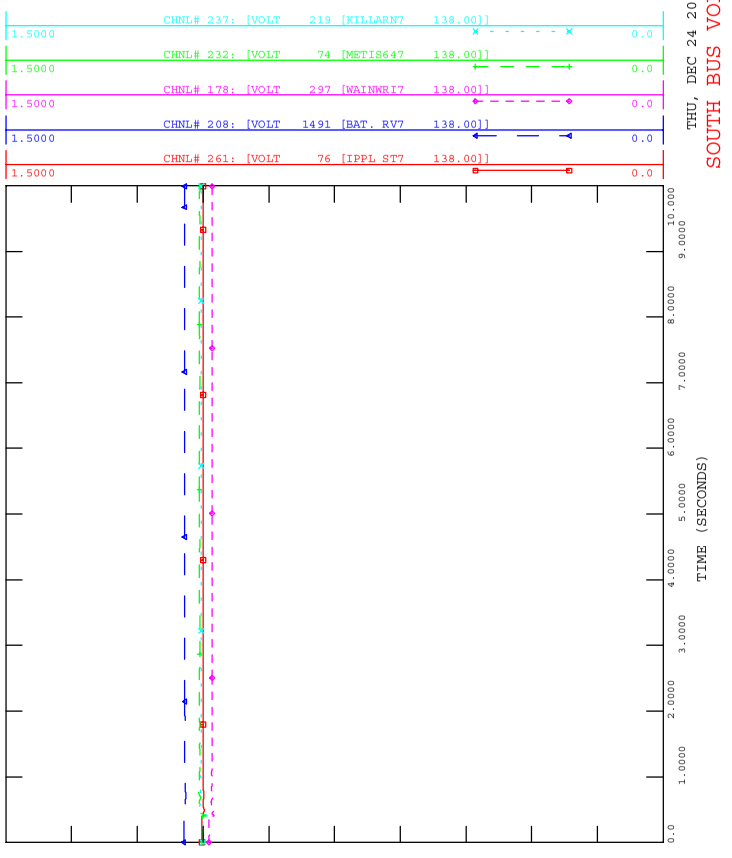


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

SOUTH LINES POWER FLOW

CHNL# 1174: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 884: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1158: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1154: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

SOUTH LINES VAR FLOW

CHNL# 1175: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1159: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1155: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

NORTH LINES POWER FLOW

CHNL# 338: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1134: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1114: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 584: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

NORTH LINES VAR FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1135: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1115: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

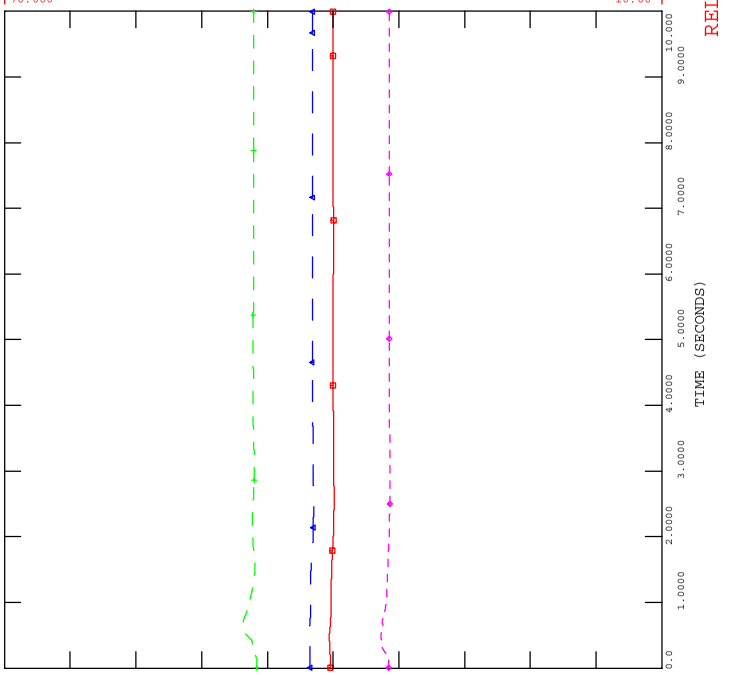
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

RELATIVE ROTOR ANGLES

CHNL#'S 11,1200: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1200: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1200: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1200: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



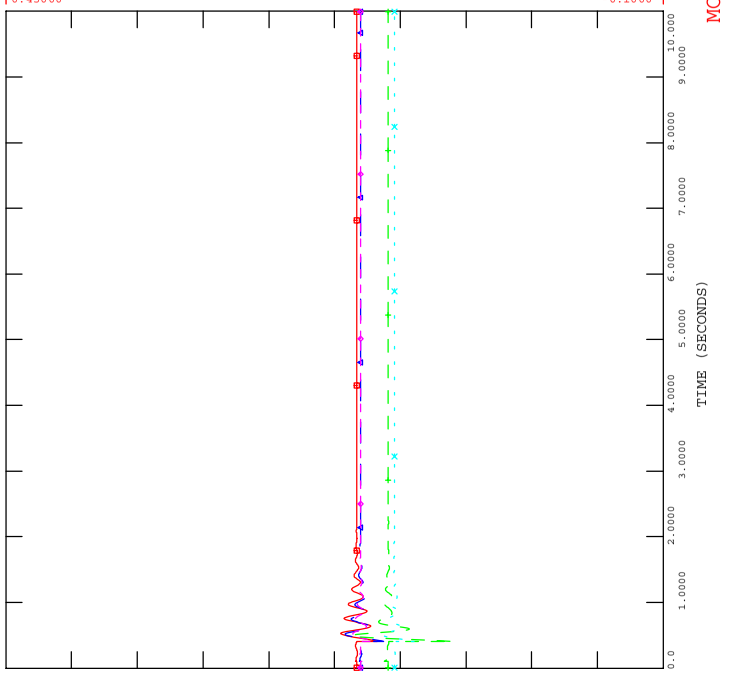
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

MOTOR LOADS GROUP II

CHNL# 1213: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1210: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1209: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



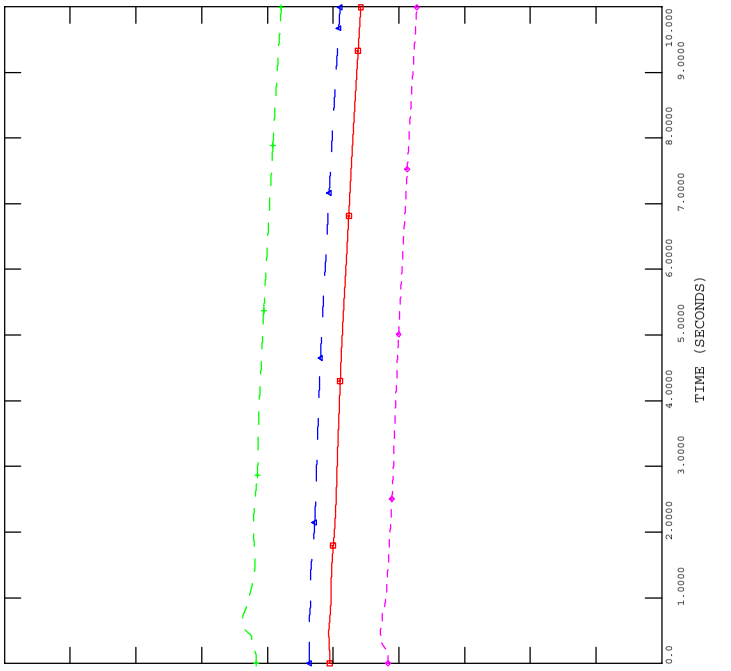
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



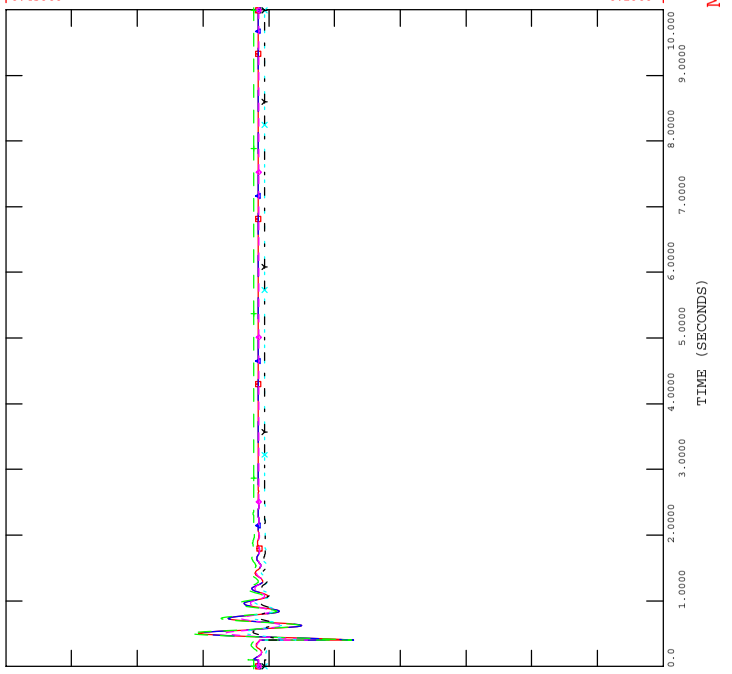
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-10fault.out

THU, DEC 24 2009 11:49

MOTOR LOADS GROUP I

CHNL# 1208: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1207: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1206: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1205: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1204: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1203: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

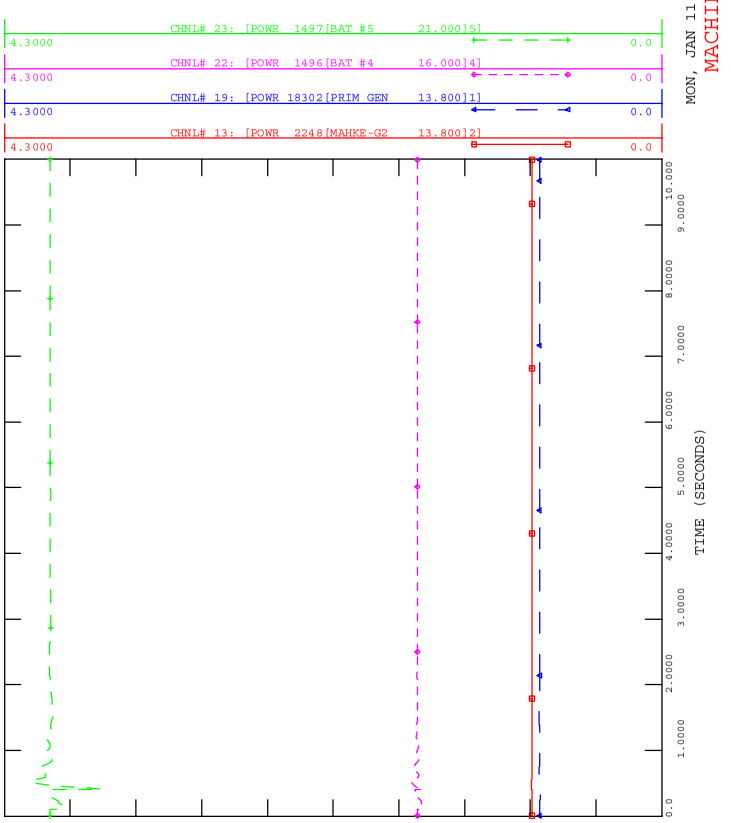


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

MACHINE POWER

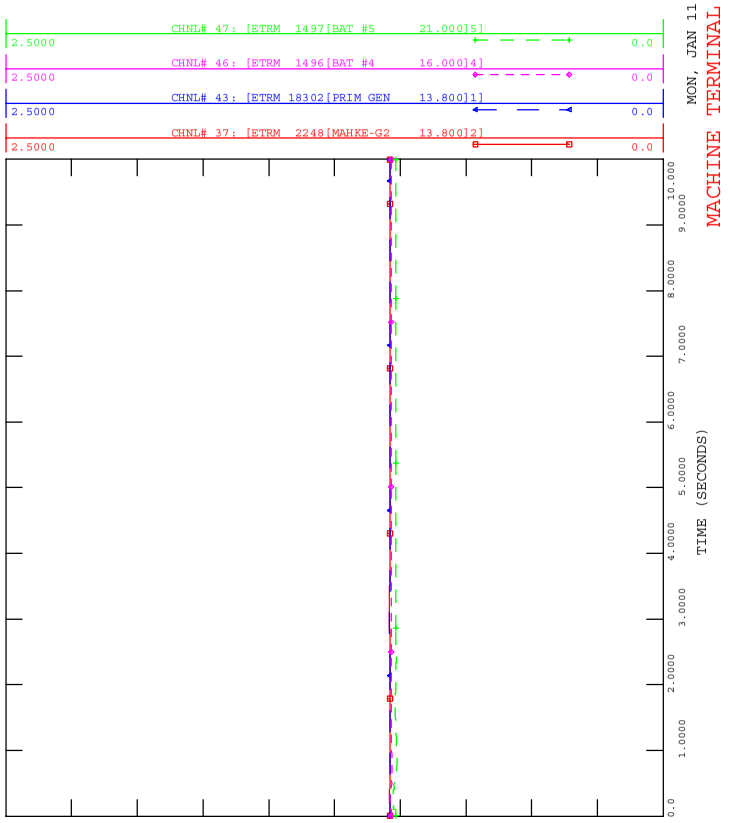


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

MACHINE TERMINAL VOLTAGE

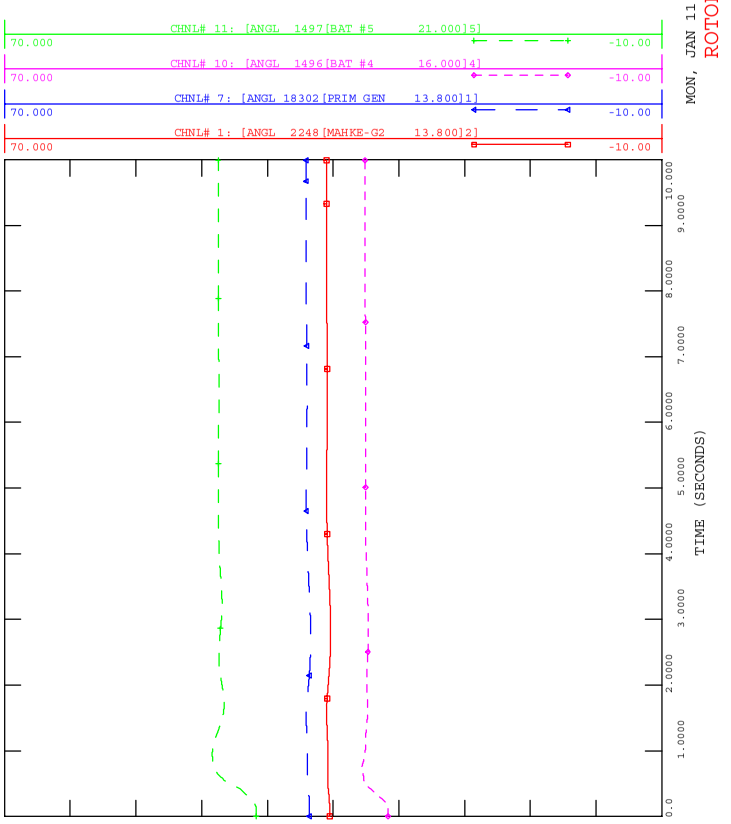


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

ROTOR ANGLES

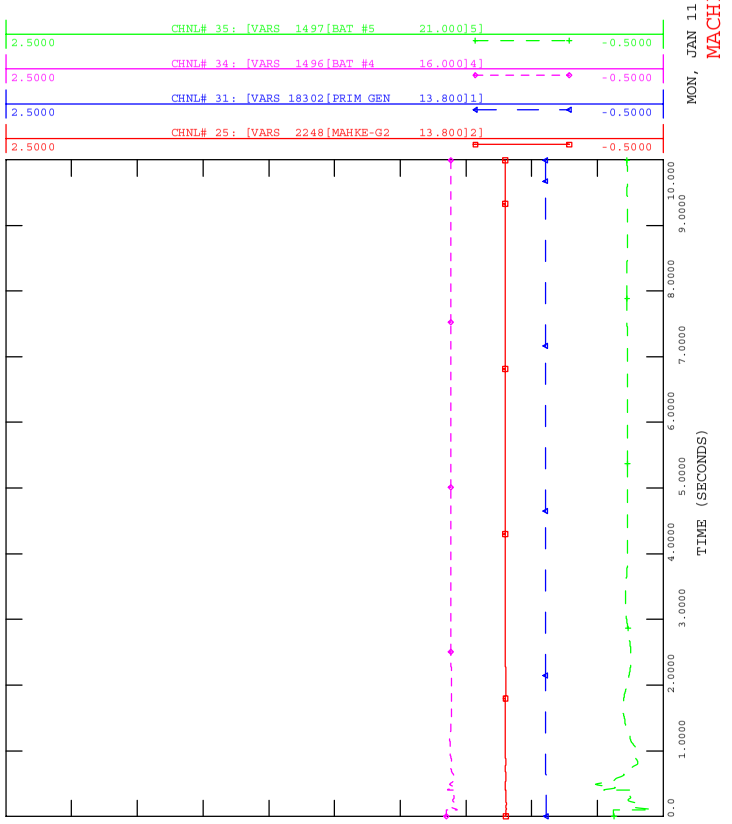


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

MACHINE VARS

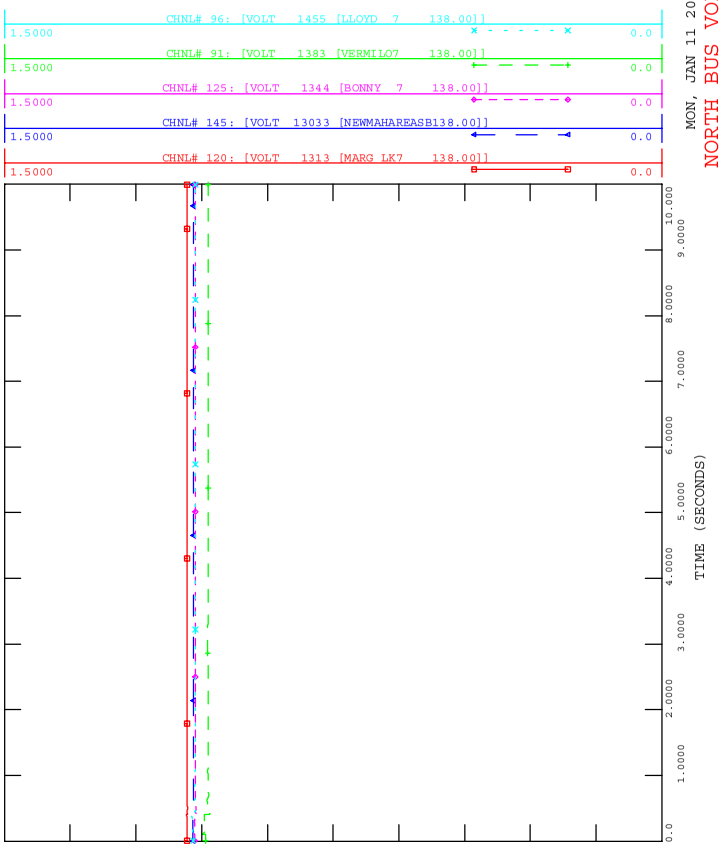


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

NORTH BUS VOLTAGES

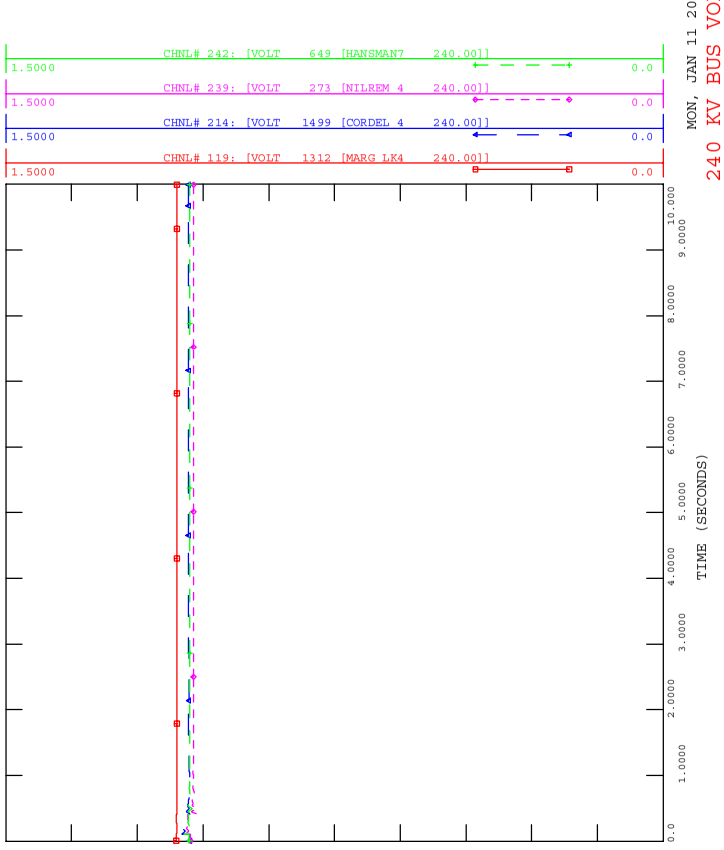


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

240 KV BUS VOLTAGES

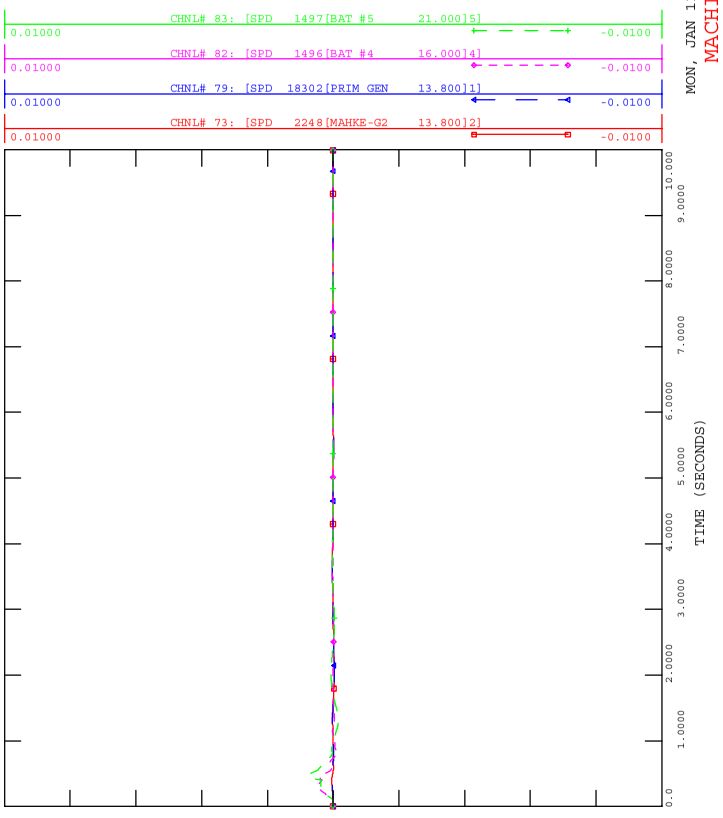


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

MACHINE SPEED

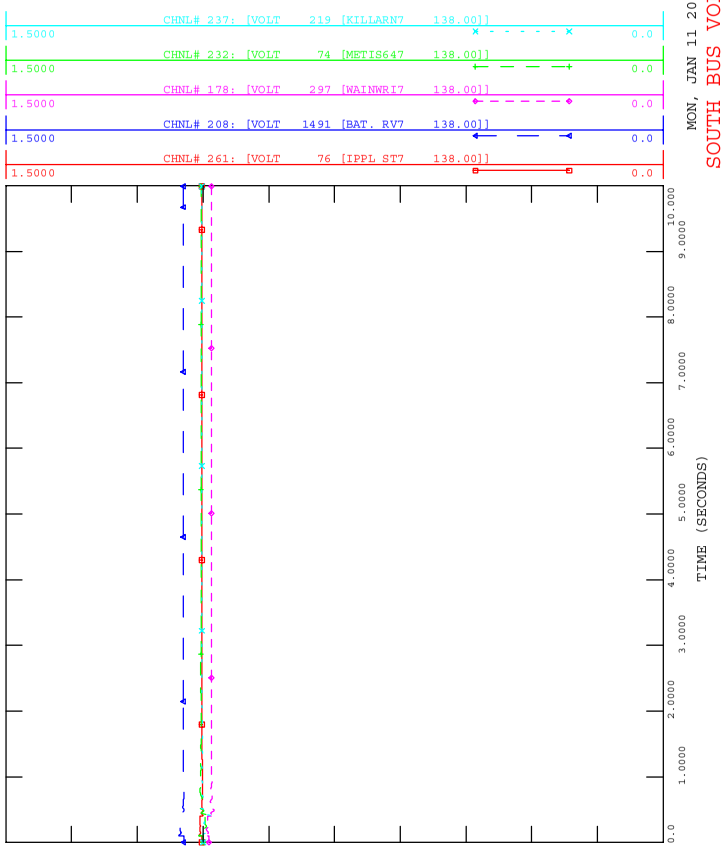


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

SOUTH BUS VOLTAGES

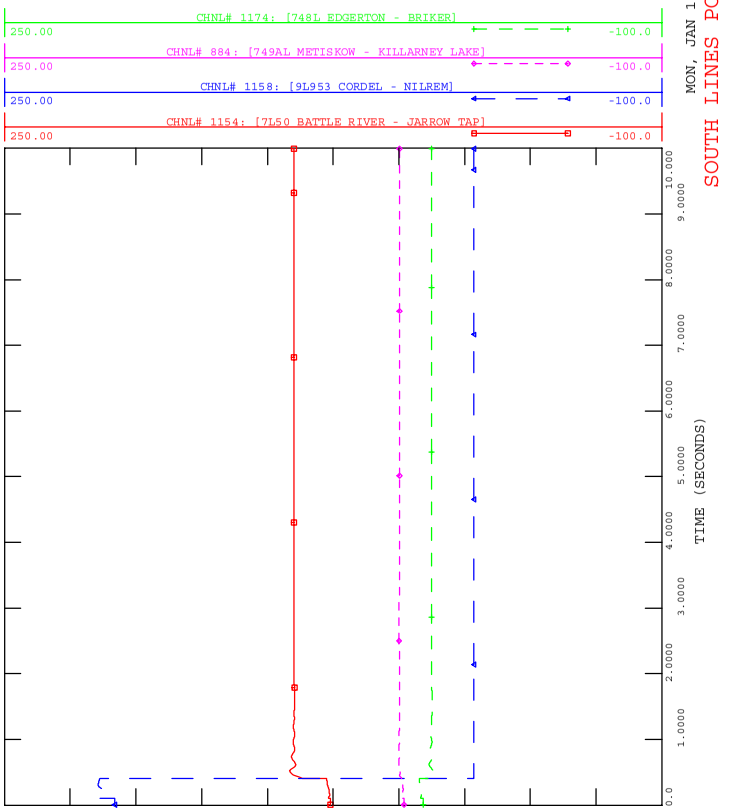


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

SOUTH LINES POWER FLOW

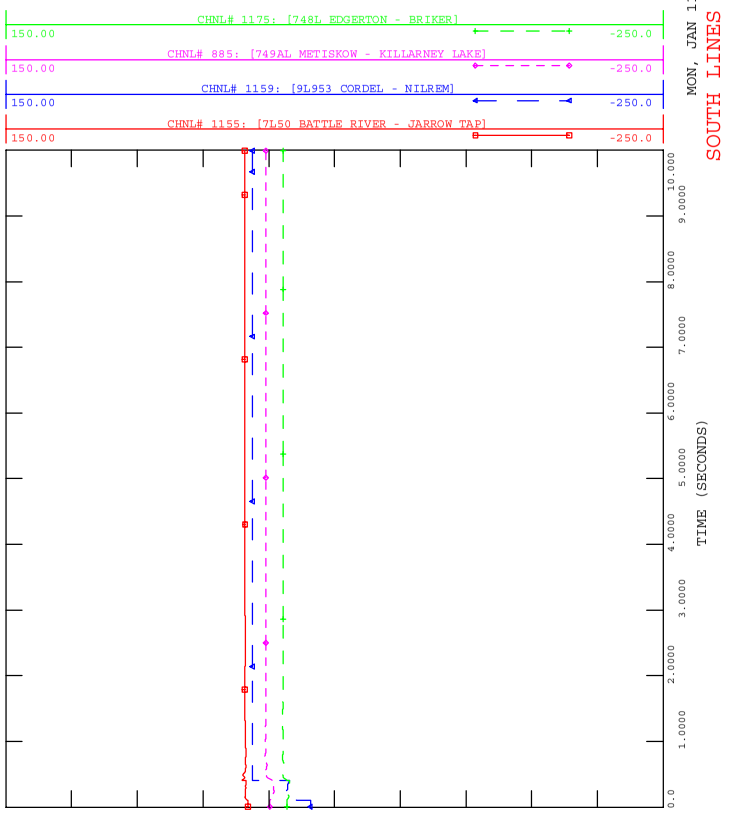


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

SOUTH LINES VAR FLOW

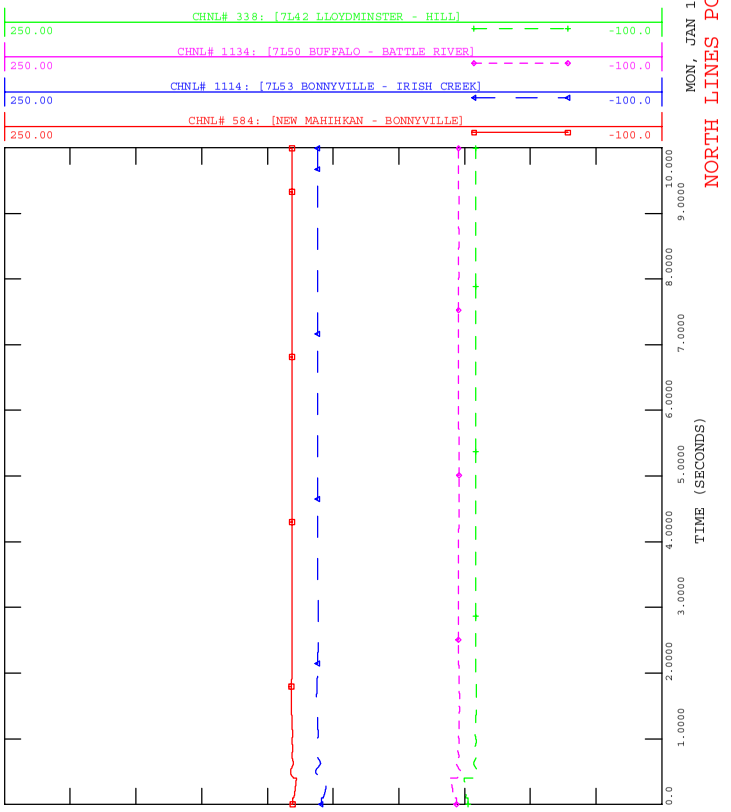


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:18

NORTH LINES POWER FLOW

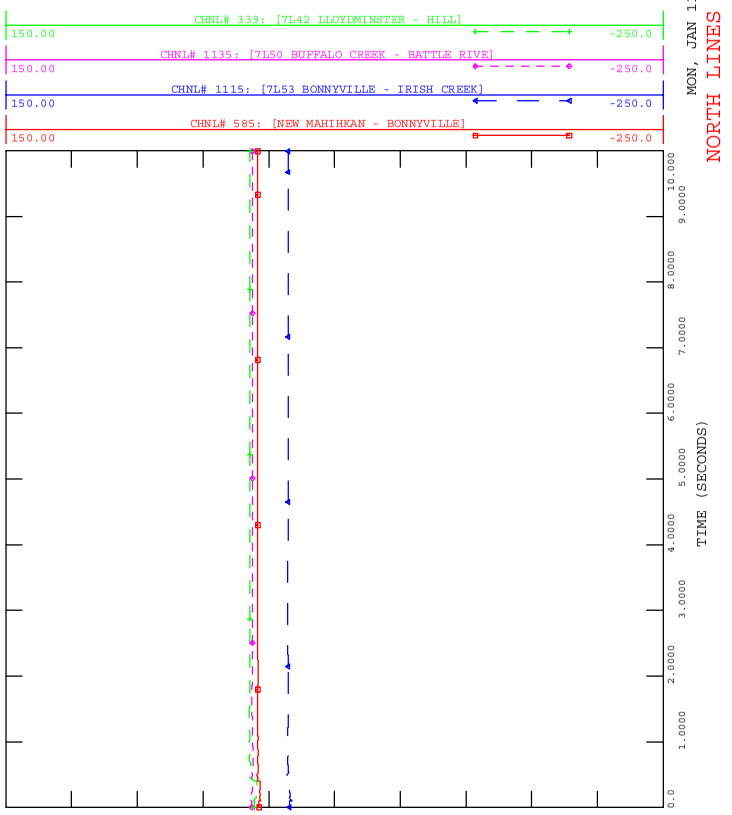


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

NORTH LINES VAR FLOW

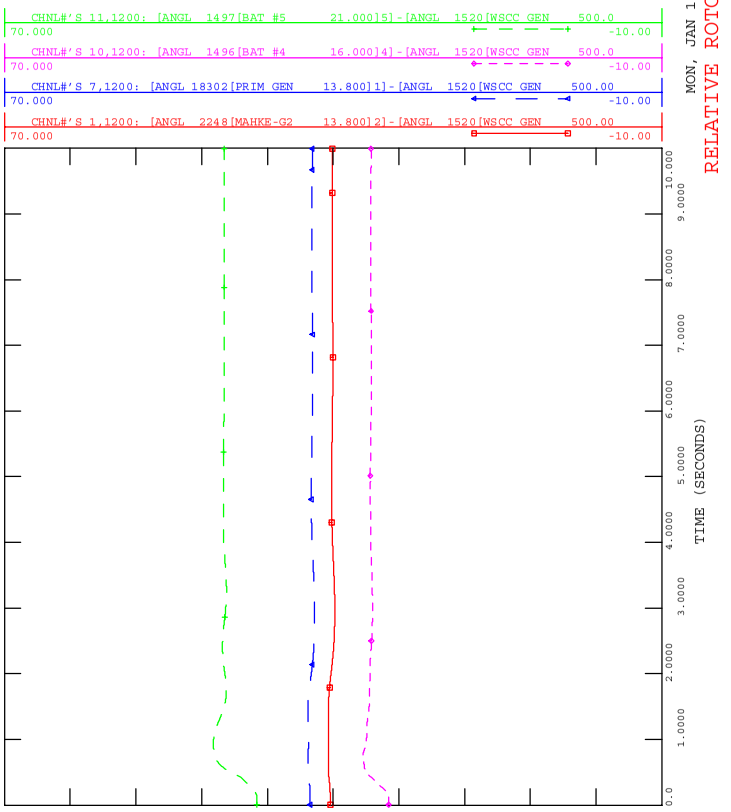


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

RELATIVE ROTOR ANGLES

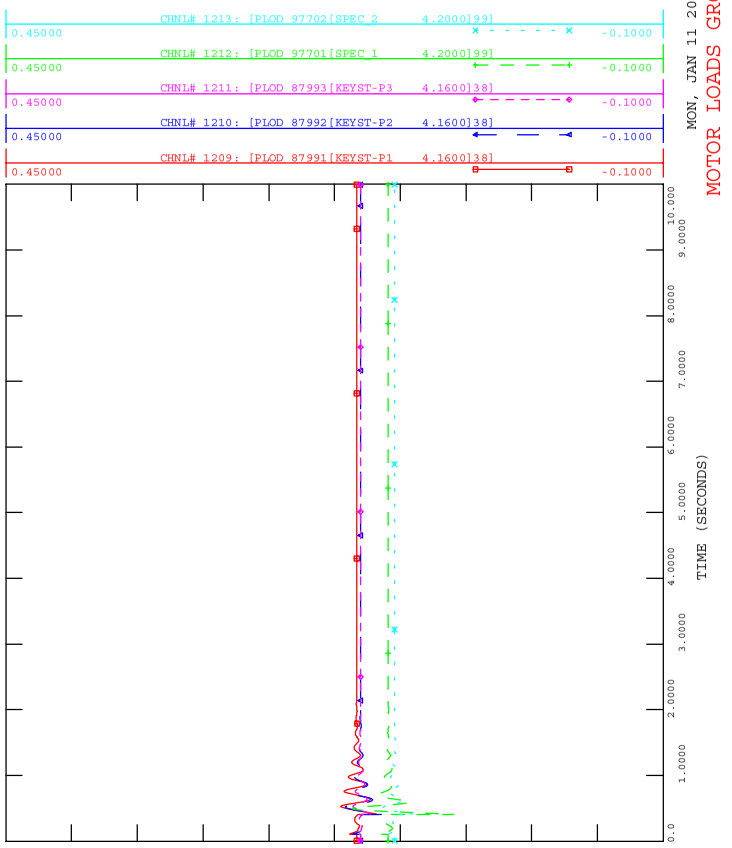


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

MOTOR LOADS GROUP II

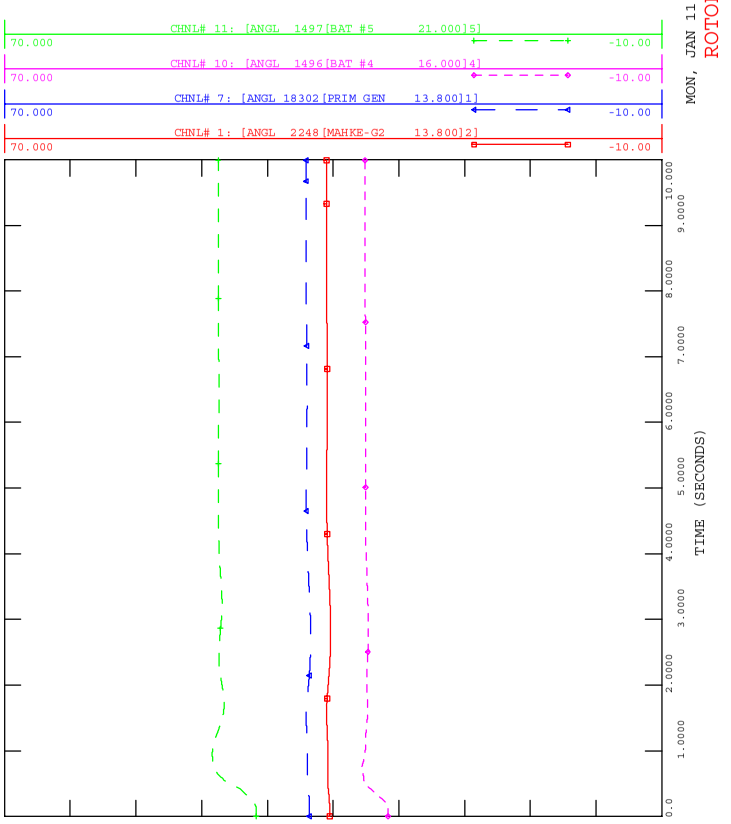


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

ROTOR ANGLES

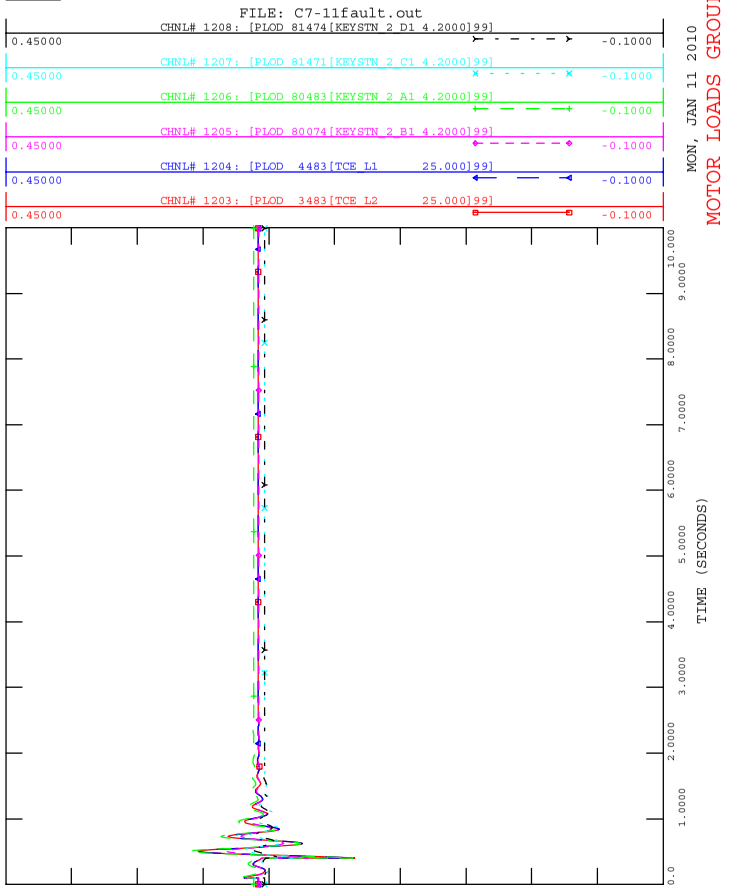


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-11fault.out

MON, JAN 11 2010 8:18

MOTOR LOADS GROUP I

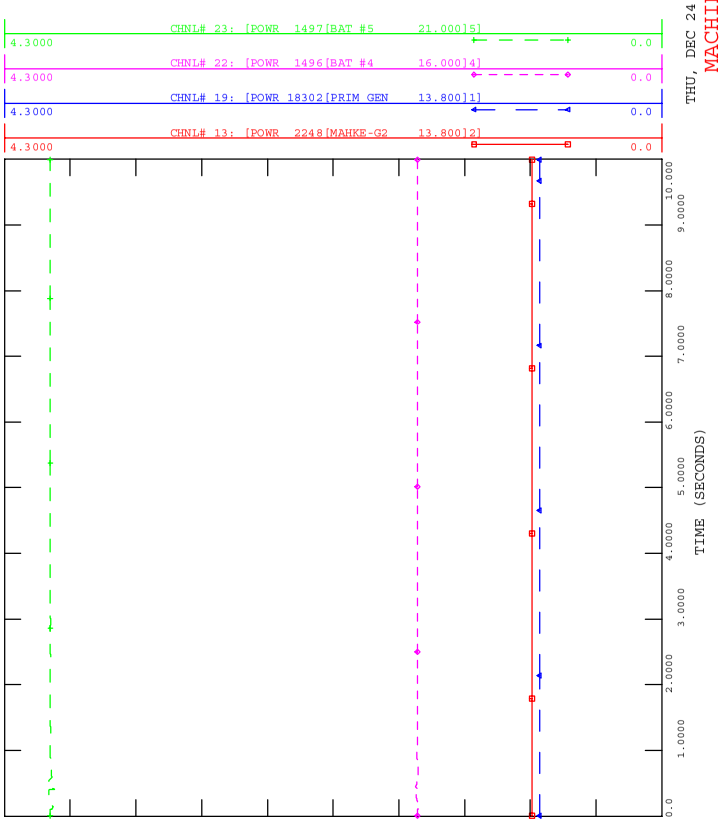


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

MACHINE POWER

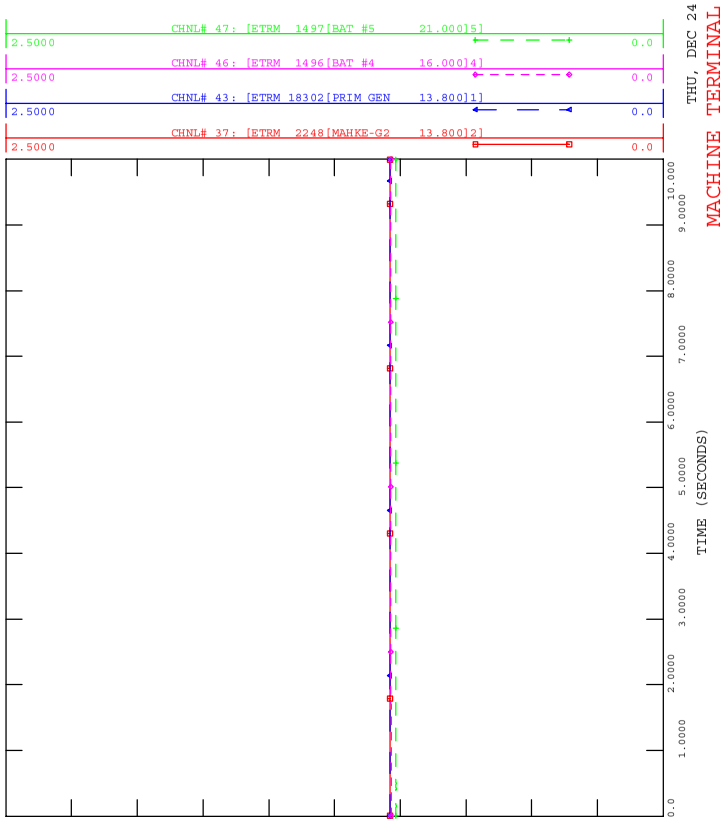


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

MACHINE TERMINAL VOLTAGE

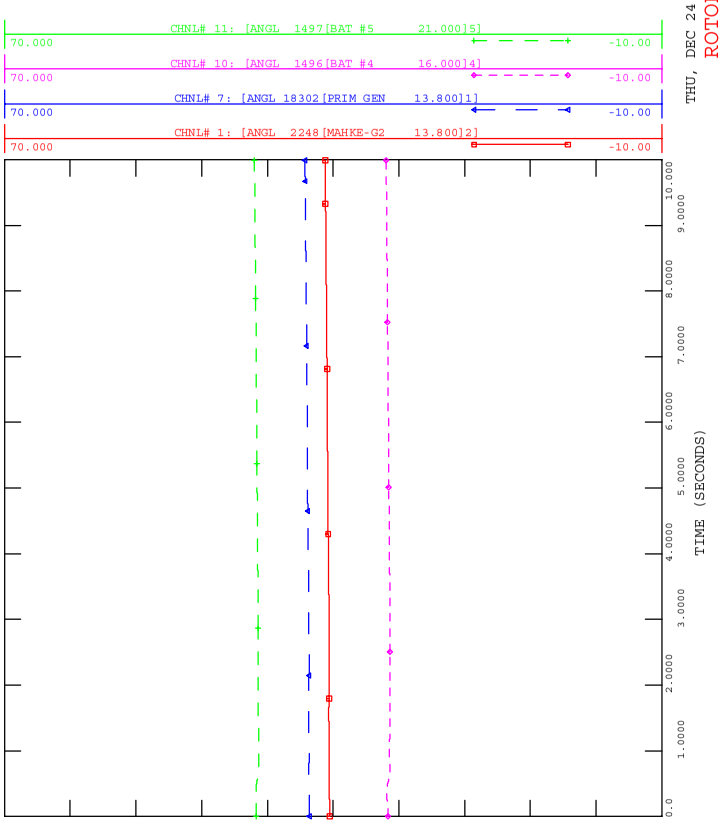


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

ROTOR ANGLES

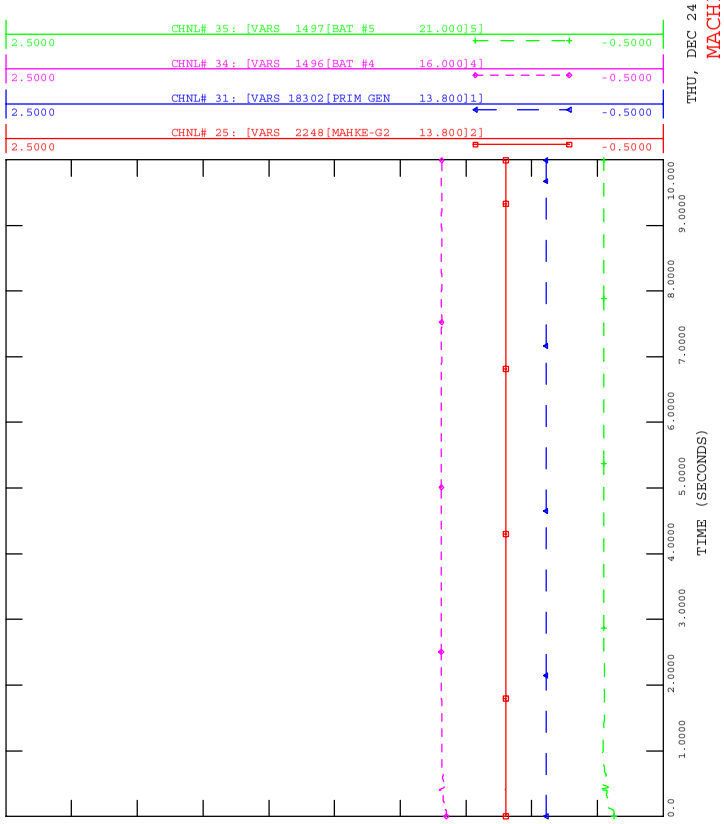


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 145: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

240 KV BUS VOLTAGES

CHNL# 242: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 239: [VOLT 273 [NILREM 4 240.00]]
CHNL# 214: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

SOUTH BUS VOLTAGES

CHNL# 237: [VOLT 219 [KILLARN7 138.00]]
CHNL# 232: [VOLT 74 [METIS647 138.00]]
CHNL# 178: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 208: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 263: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

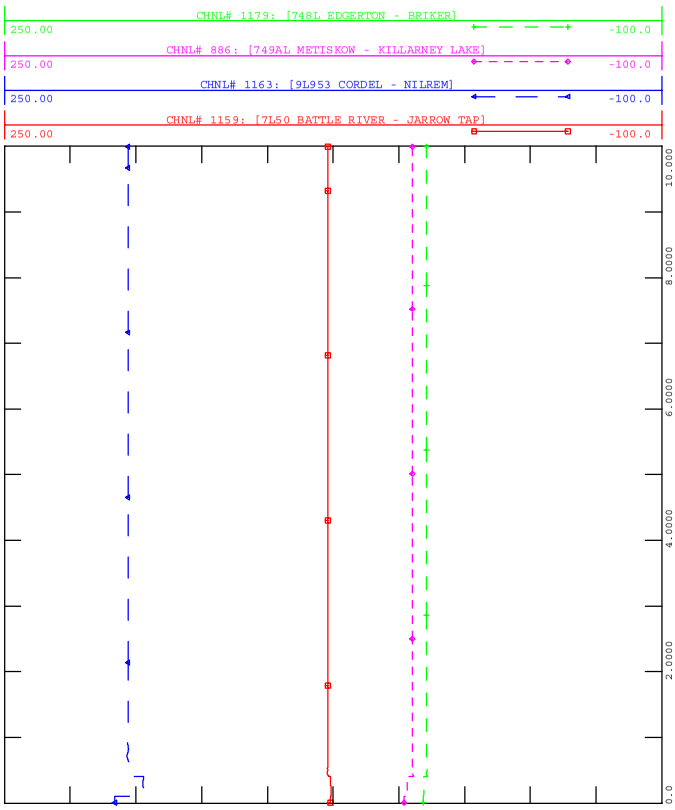
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER]
CHNL# 886: [749AL METISKOW - KILLARNEY LAKE]
CHNL# 1163: [9L953 CORDEL - NILREM]
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]



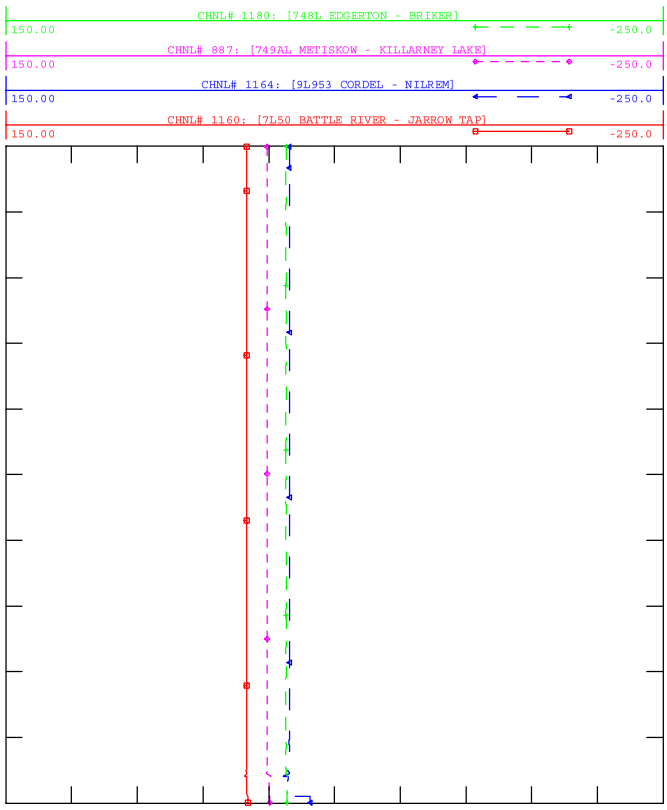
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER]
CHNL# 887: [749AL METISKOW - KILLARNEY LAKE]
CHNL# 1164: [9L953 CORDEL - NILREM]
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]



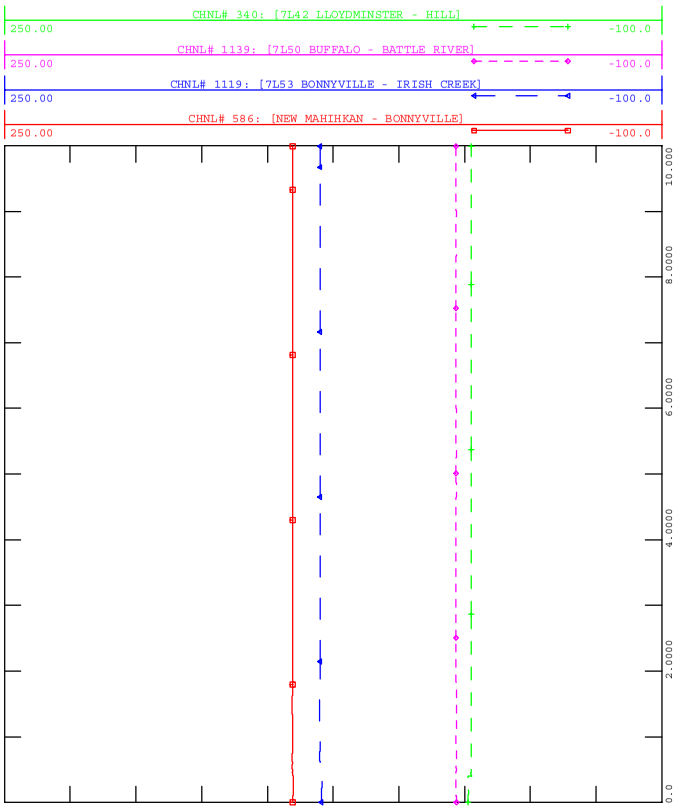
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
CHNL# 1119: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE]



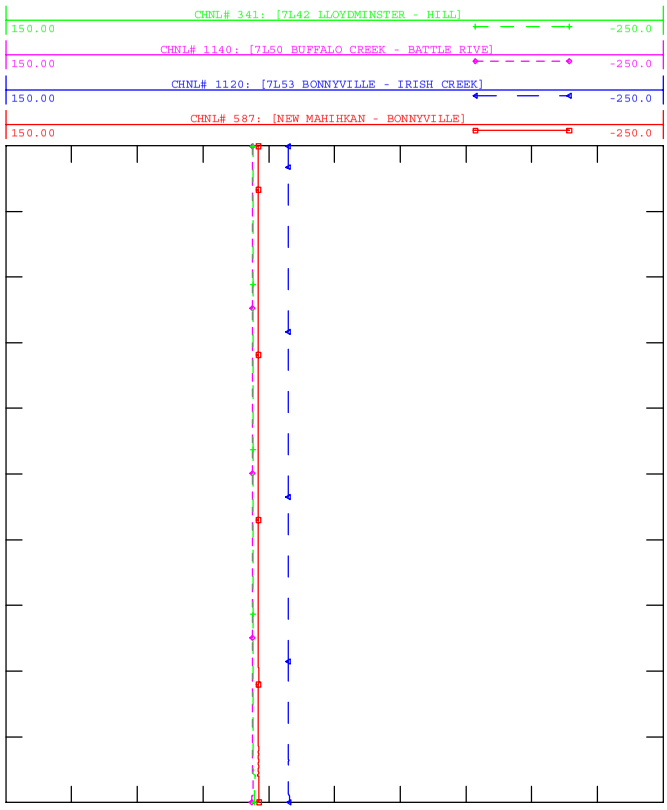
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
CHNL# 1120: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 587: [NEW MAHIHKAN - BONNYVILLE]



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

RELATIVE ROTOR ANGLES

CHNL#'S 11,1205: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1205: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1205: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1205: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

MOTOR LOADS GROUP II

CHNL# 1218: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1217: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1216: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1215: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1214: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-12fault.out

THU, DEC 24 2009 11:50

MOTOR LOADS GROUP I

CHNL# 1213: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1210: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1209: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1208: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

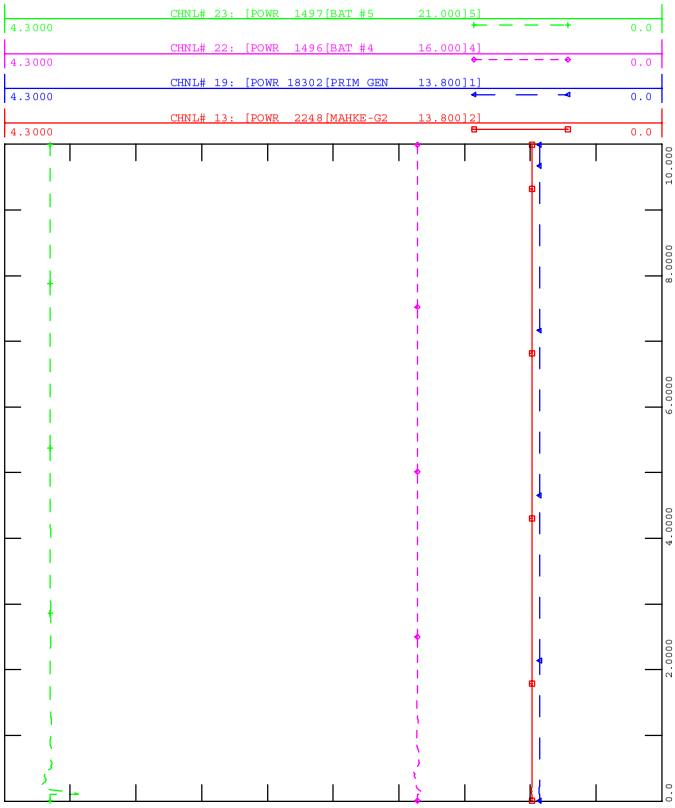
TIME (SECONDS)

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

MACHINE POWER

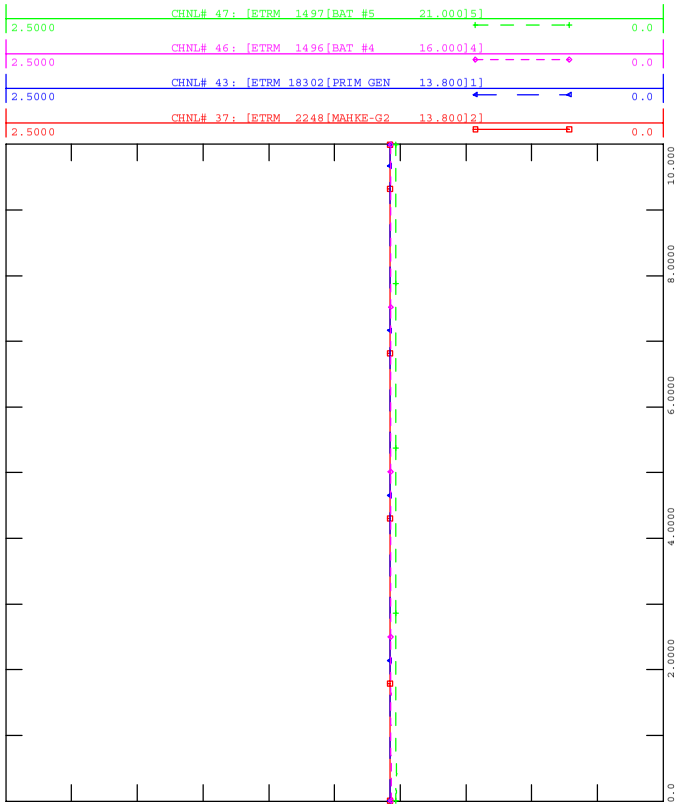


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

MACHINE TERMINAL VOLTAGE

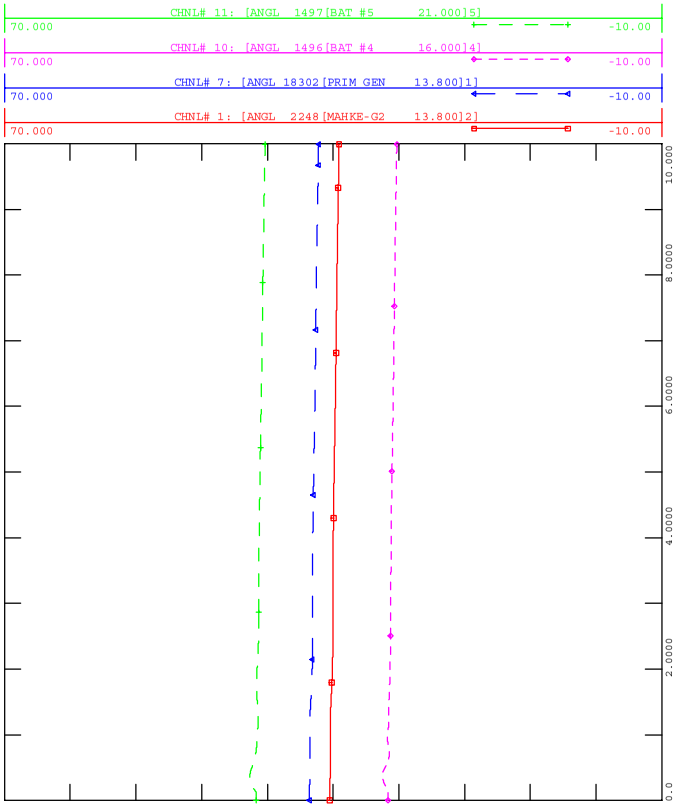


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

ROTOR ANGLES

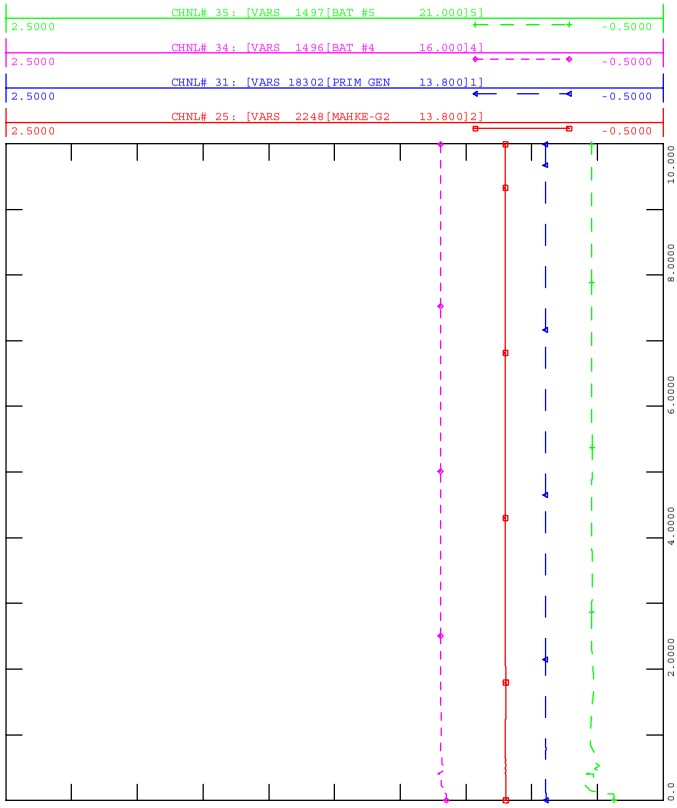


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

MACHINE VARS

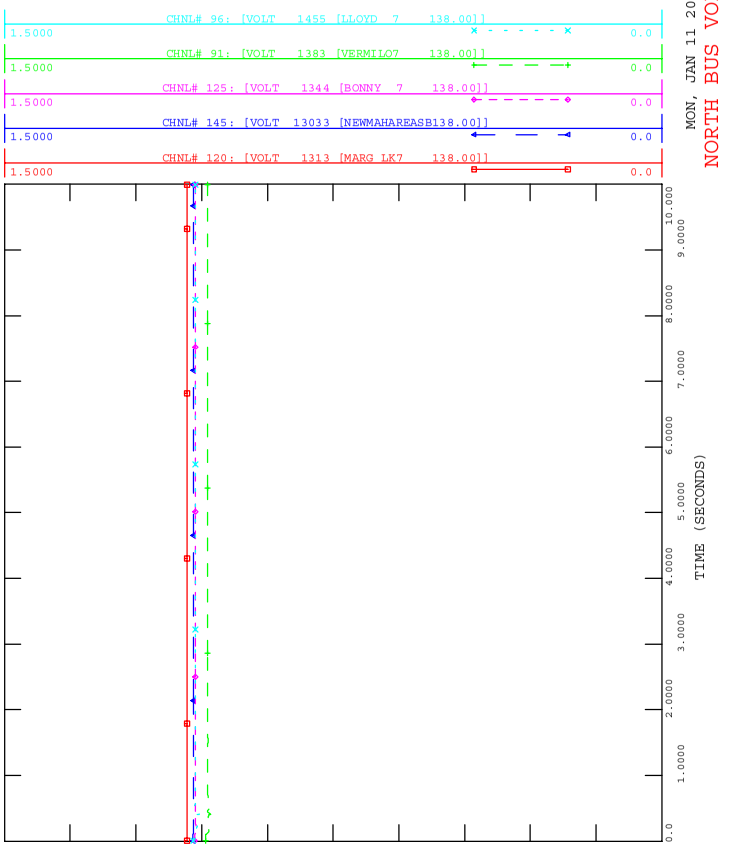


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

NORTH BUS VOLTAGES

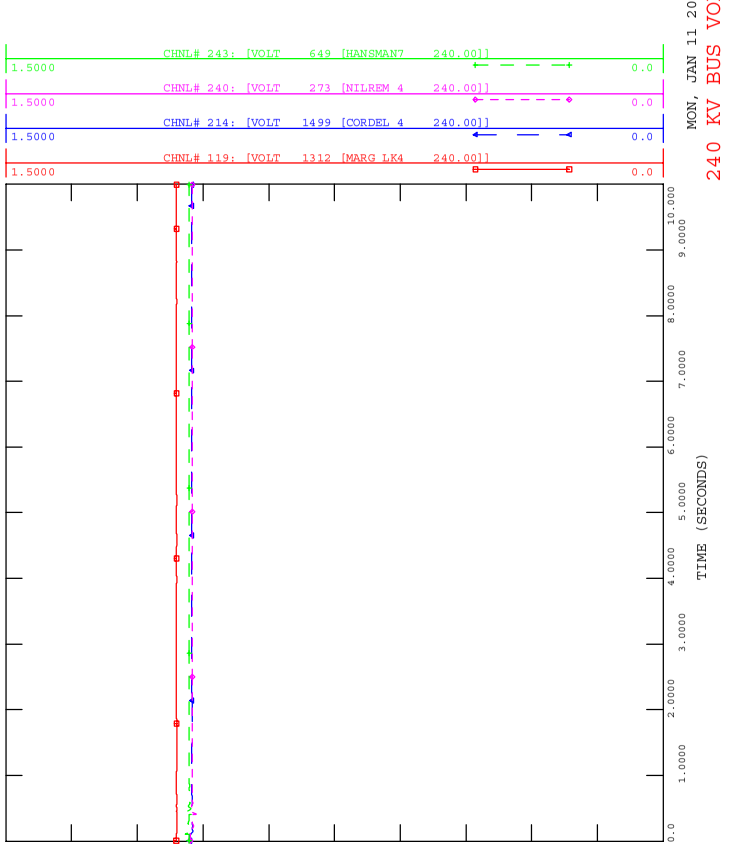


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

240 KV BUS VOLTAGES

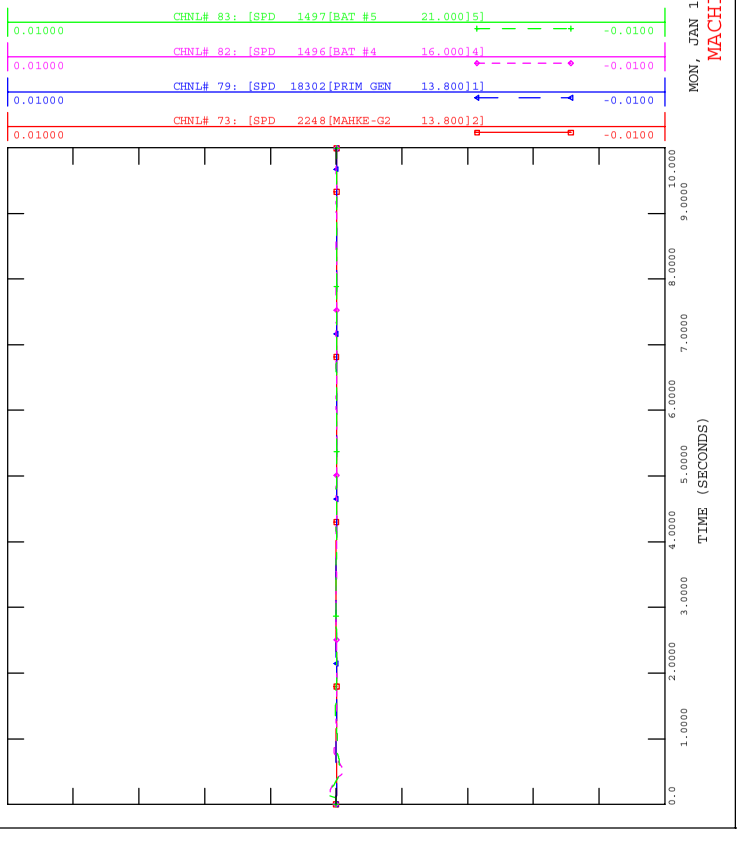


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

MACHINE SPEED

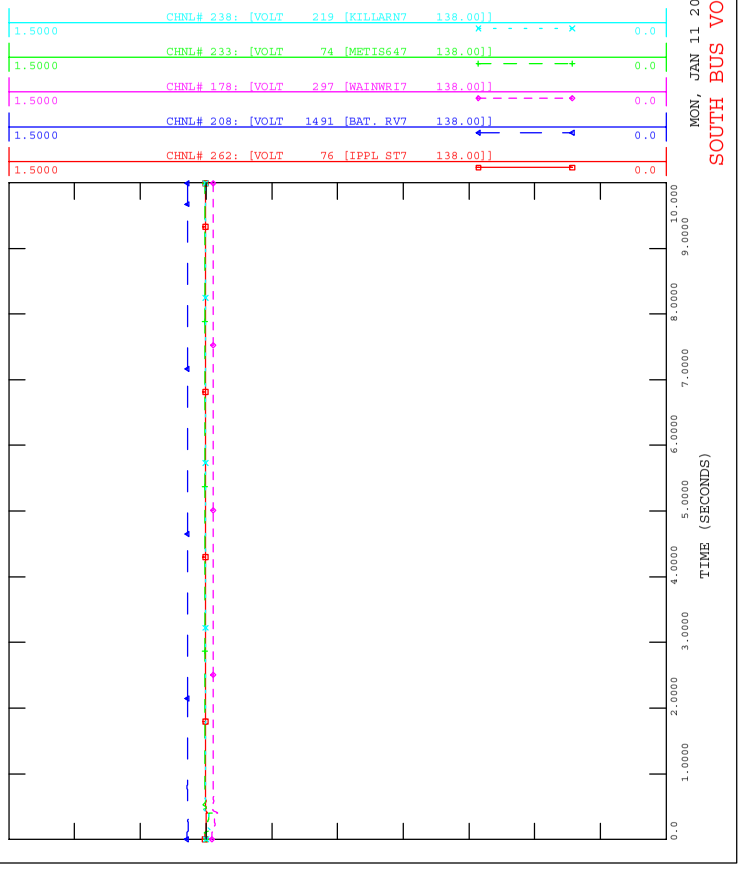


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

SOUTH BUS VOLTAGES

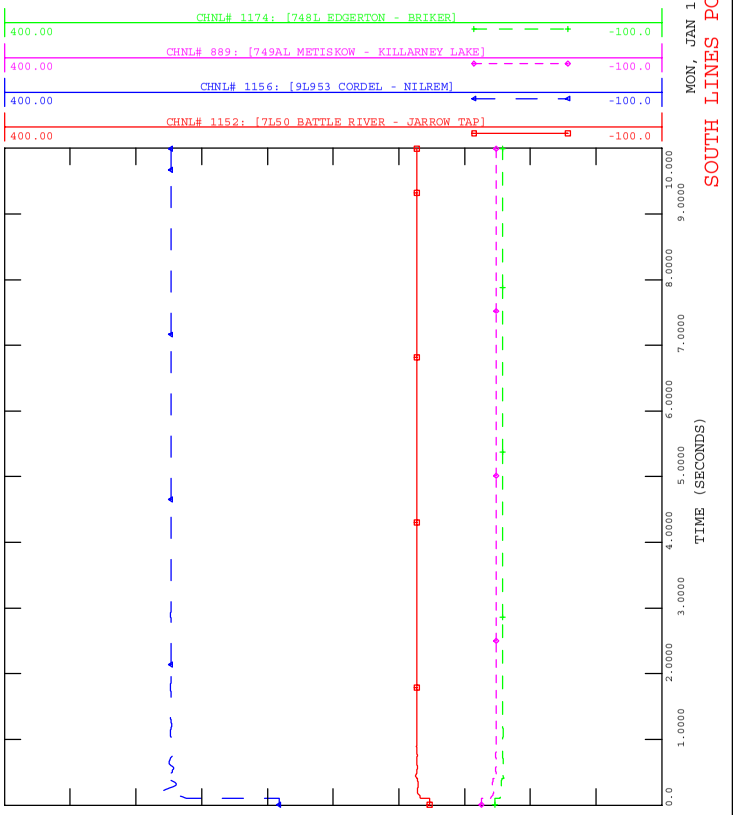


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

SOUTH LINES POWER FLOW

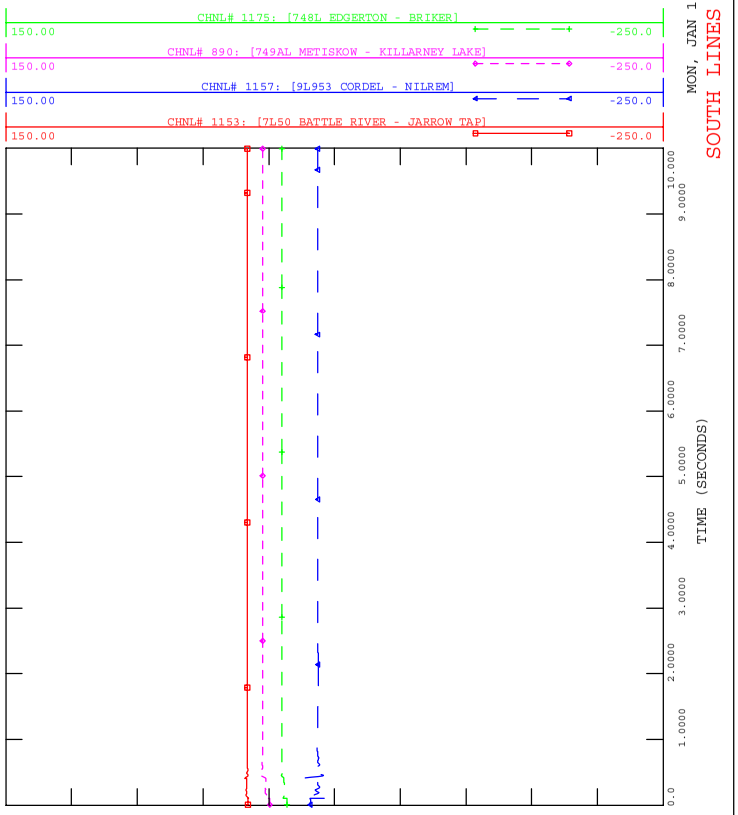


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

SOUTH LINES VAR FLOW

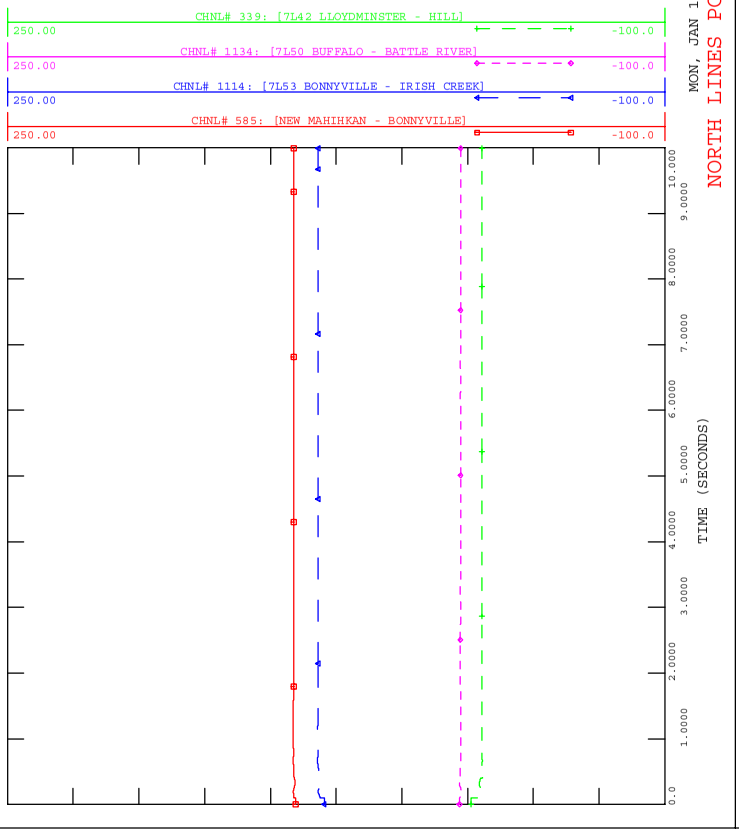


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

NORTH LINES POWER FLOW

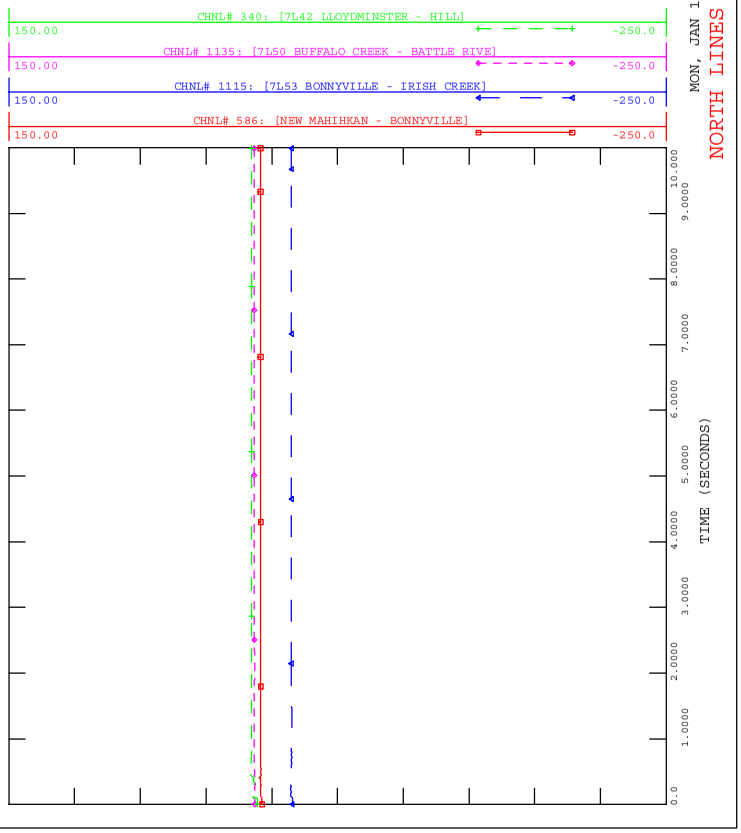


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

NORTH LINES VAR FLOW



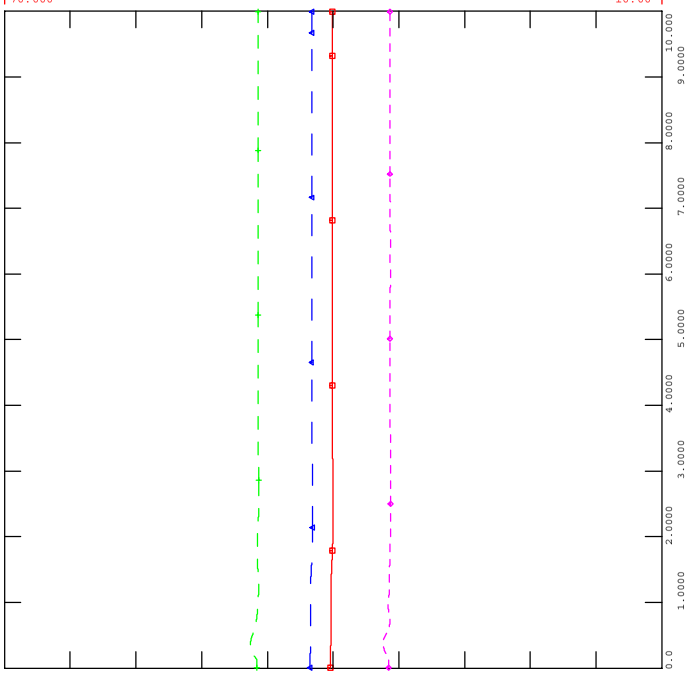
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

RELATIVE ROTOR ANGLES

CHNL#'S 11,1200: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1200: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1200: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1200: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



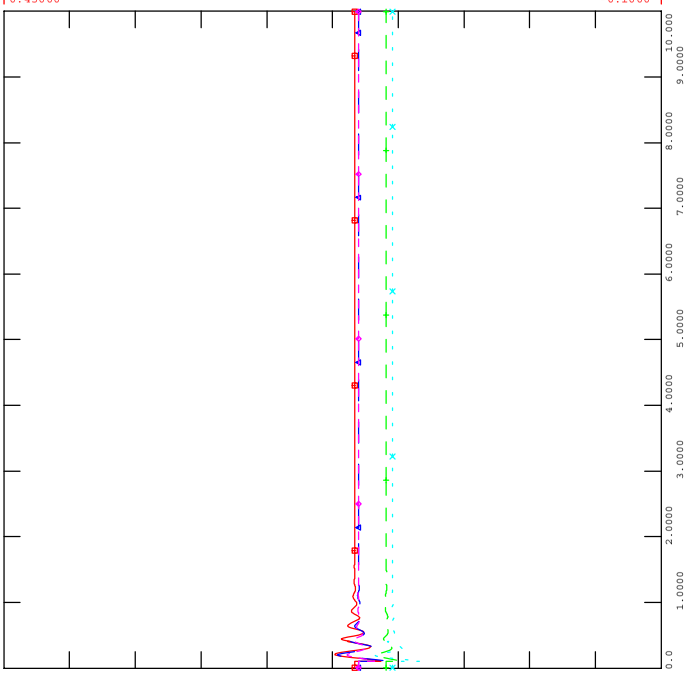
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

MOTOR LOADS GROUP II

CHNL# 1213: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1210: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1209: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



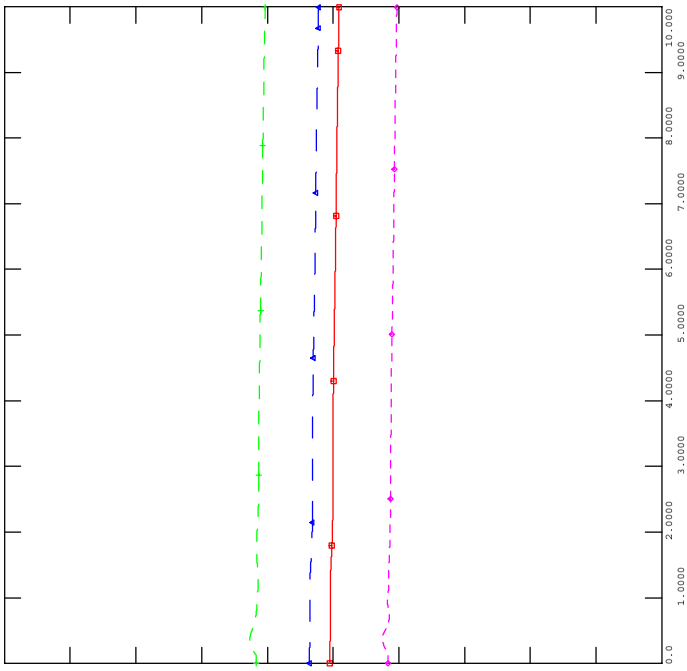
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



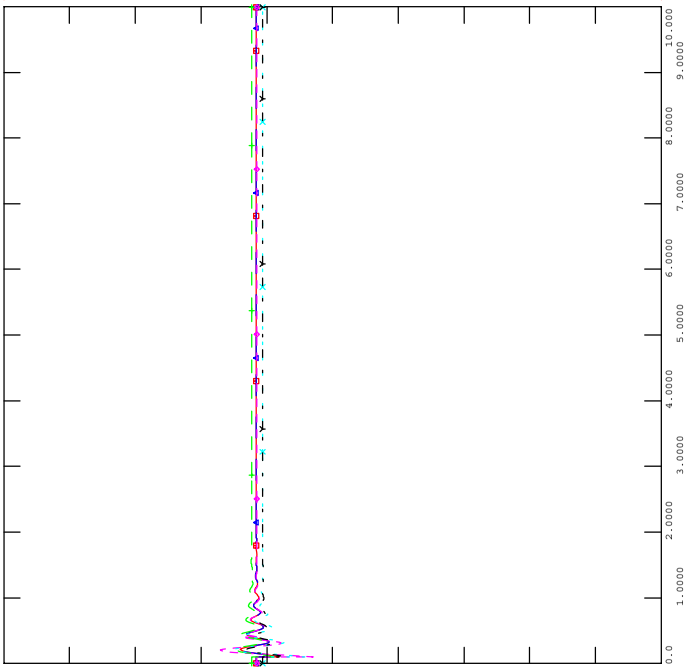
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-13fault.out

MON, JAN 11 2010 8:19

MOTOR LOADS GROUP I

CHNL# 1208: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1207: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1206: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1205: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1204: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1203: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000

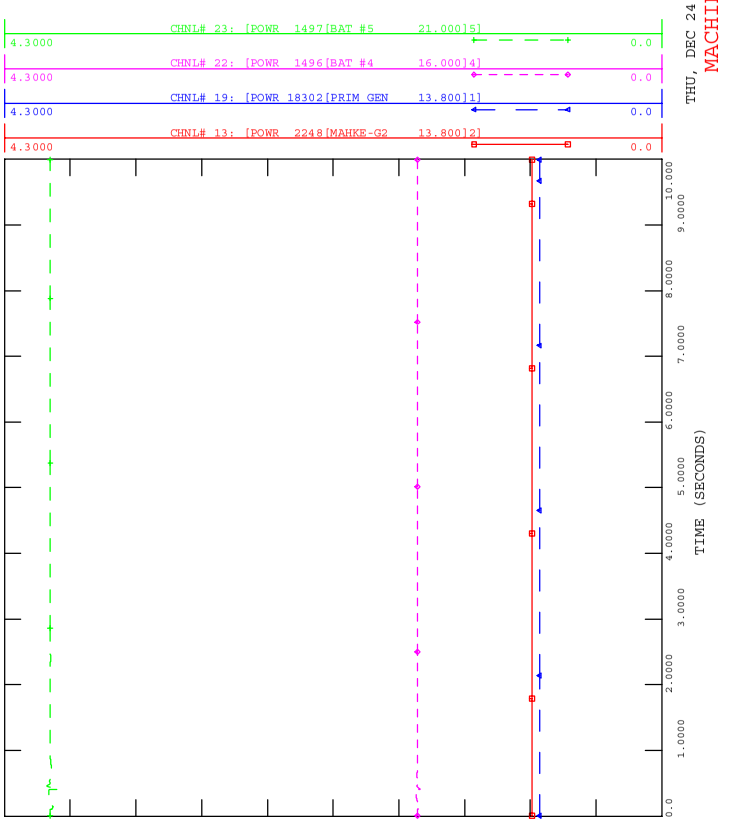


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

MACHINE POWER

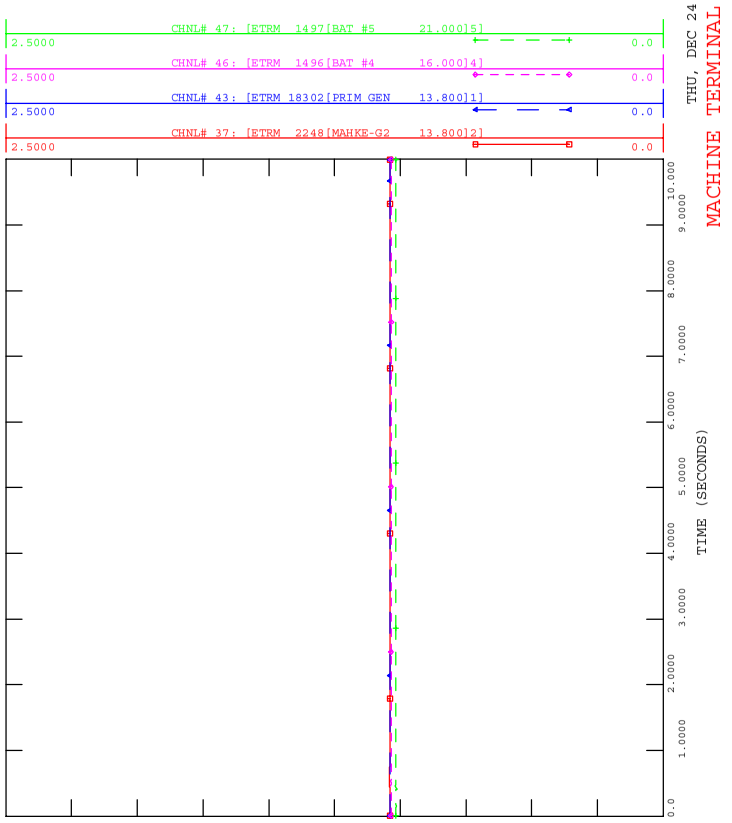


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

MACHINE TERMINAL VOLTAGE

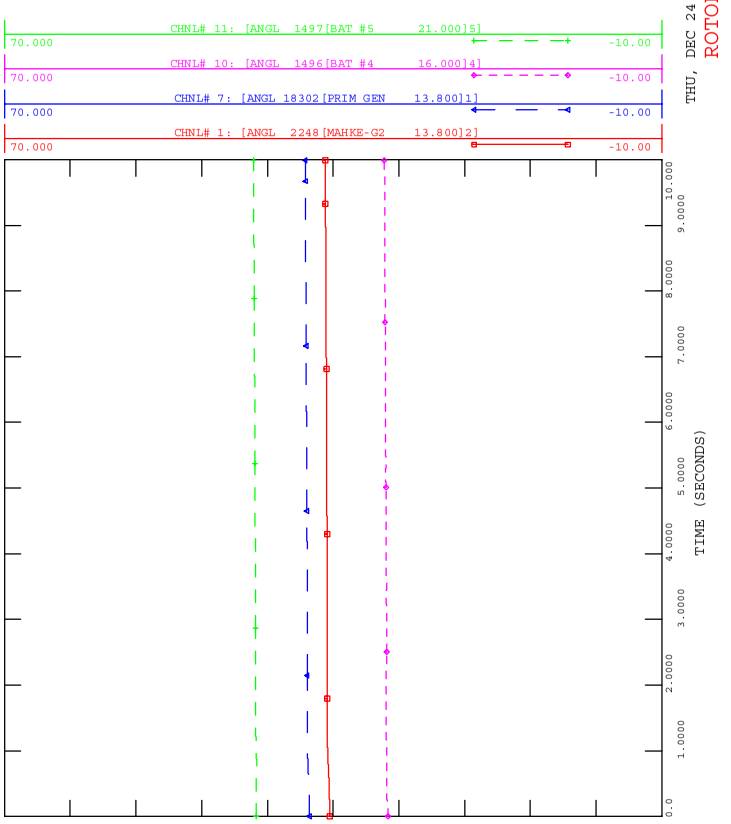


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

ROTOR ANGLES

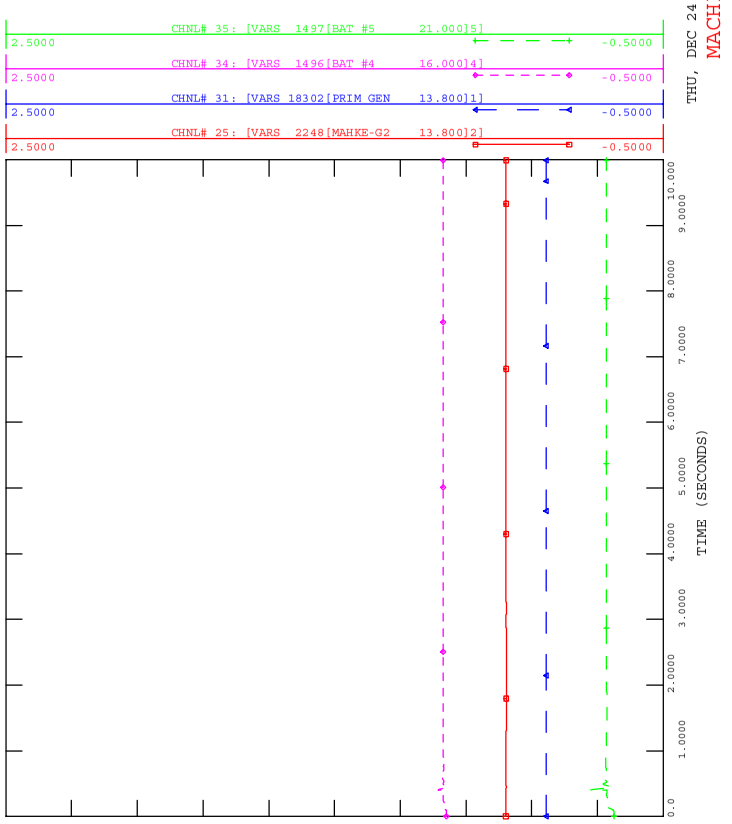


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

MACHINE VARS

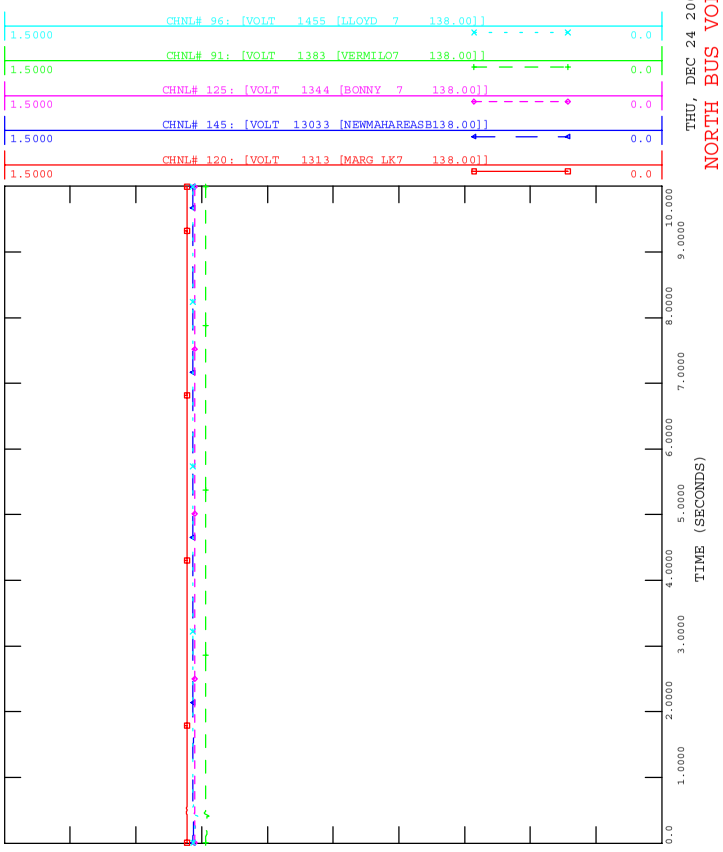


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

NORTH BUS VOLTAGES

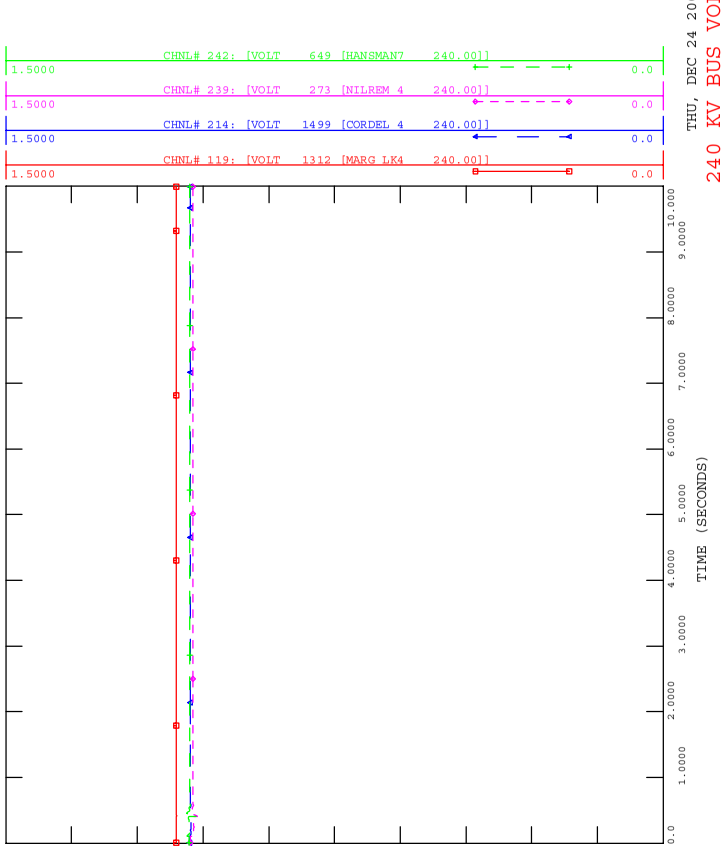


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

240 KV BUS VOLTAGES

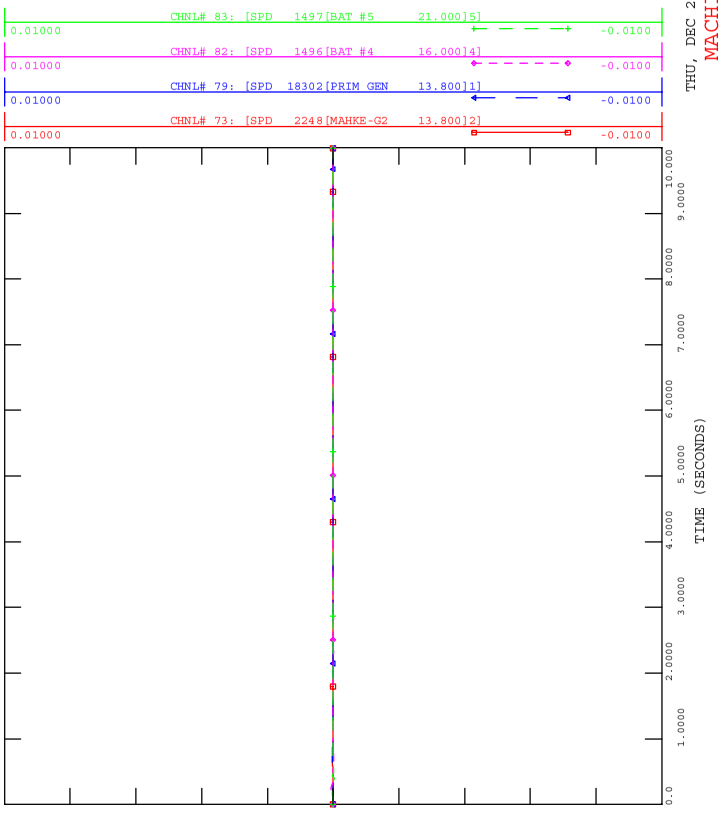


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

MACHINE SPEED

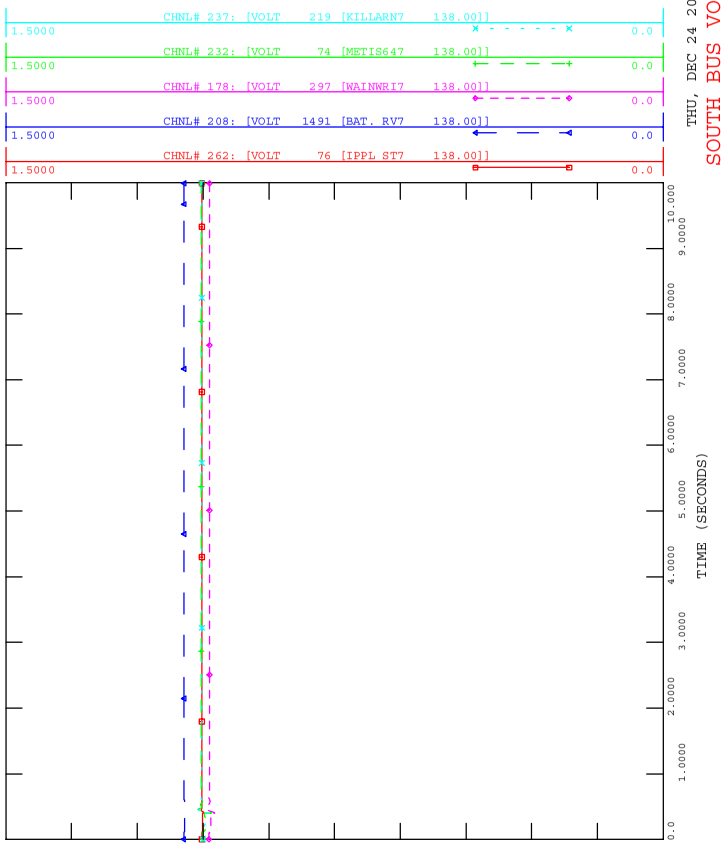


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

SOUTH LINES POWER FLOW

CHNL# 1174: [748L EDGERTON - BRIKER] 250.00 -100.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE] 250.00 -100.0
CHNL# 1158: [9L953 CORDEL - NILREM] 250.00 -100.0
CHNL# 1154: [7L50 BATTLE RIVER - JARROW TAP] 250.00 -100.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

SOUTH LINES VAR FLOW

CHNL# 1175: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 886: [749AL METISKOW - KILLARNEY LAKE] 150.00 -250.0
CHNL# 1158: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1155: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1134: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1114: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1135: [7L50 BUFFALO CREEK - BATTLE RIVE] 150.00 -250.0
CHNL# 1115: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0

TIME (SECONDS) 0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

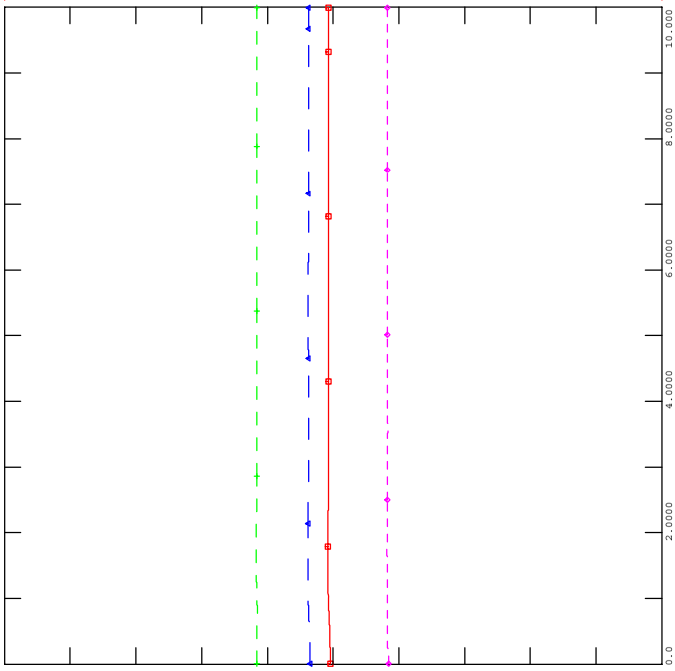
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

RELATIVE ROTOR ANGLES

CHNL#'S 11,1200: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 10,1200: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
70.000 -10.00
CHNL#'S 7,1200: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00
CHNL#'S 1,1200: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
70.000 -10.00



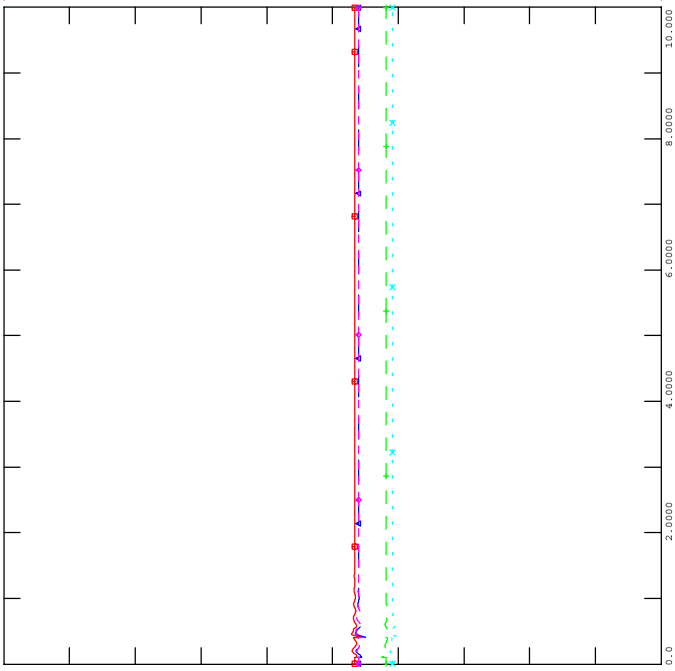
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

MOTOR LOADS GROUP II

CHNL# 1213: [PLOD 97702[SPEC_2 4.2000]99]
0.45000 -0.1000
CHNL# 1212: [PLOD 97701[SPEC_1 4.2000]99]
0.45000 -0.1000
CHNL# 1211: [PLOD 87993[KEYST-P3 4.1600]38]
0.45000 -0.1000
CHNL# 1210: [PLOD 87992[KEYST-P2 4.1600]38]
0.45000 -0.1000
CHNL# 1209: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000 -0.1000



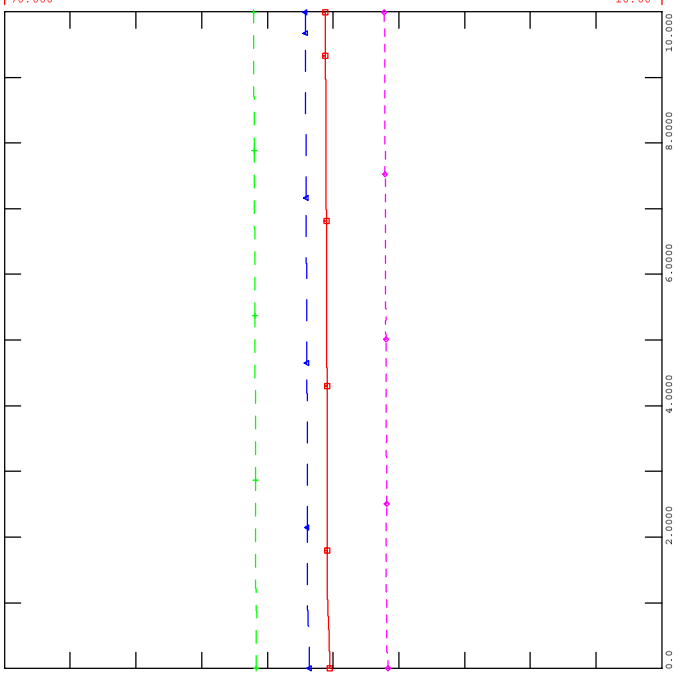
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
70.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
70.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
70.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
70.000 -10.00



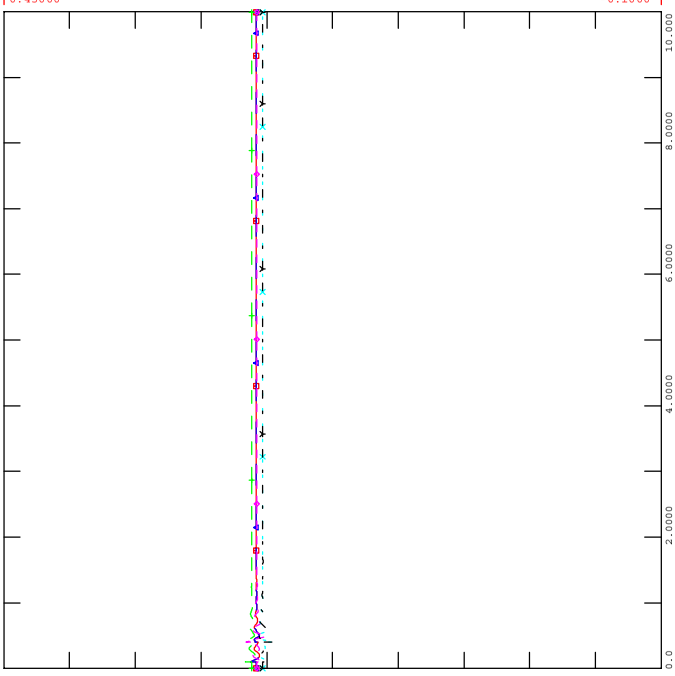
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: C7-14fault.out

THU, DEC 24 2009 11:50

MOTOR LOADS GROUP I

CHNL# 1208: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
0.45000 -0.1000
CHNL# 1207: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
0.45000 -0.1000
CHNL# 1206: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1205: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1204: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1203: [PLOD 3483[TCE L2 25.000]99]
0.45000 -0.1000



Dynamic Stability Plots

2012 Winter Peak

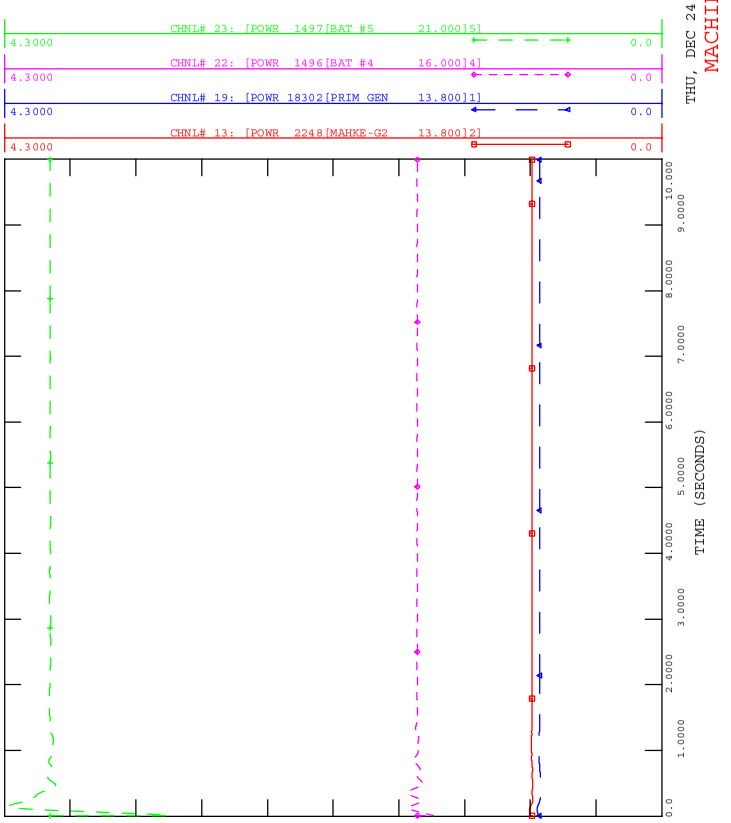
Category D Contingencies

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

MACHINE POWER

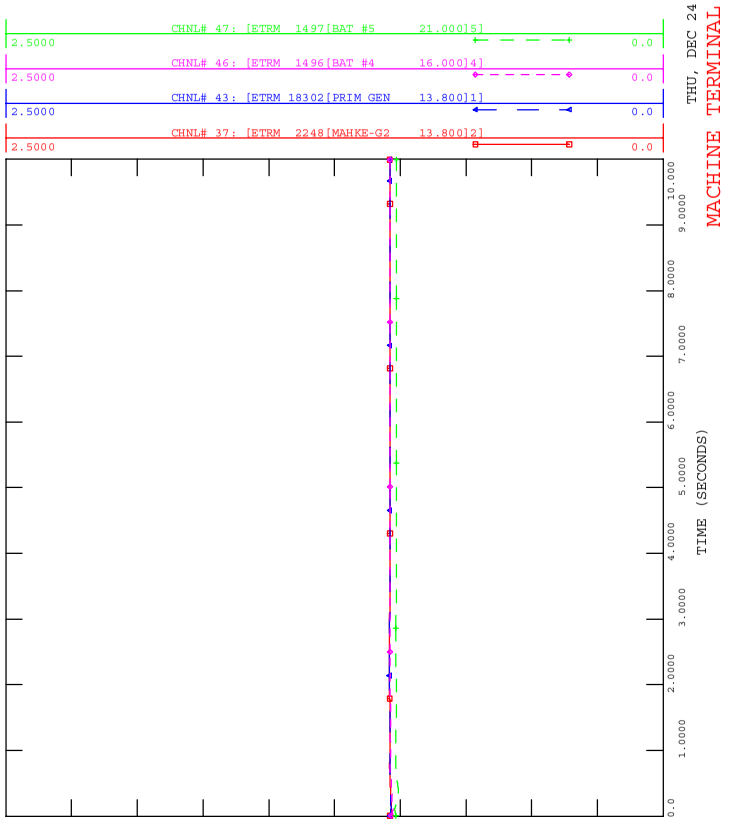


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

MACHINE TERMINAL VOLTAGE

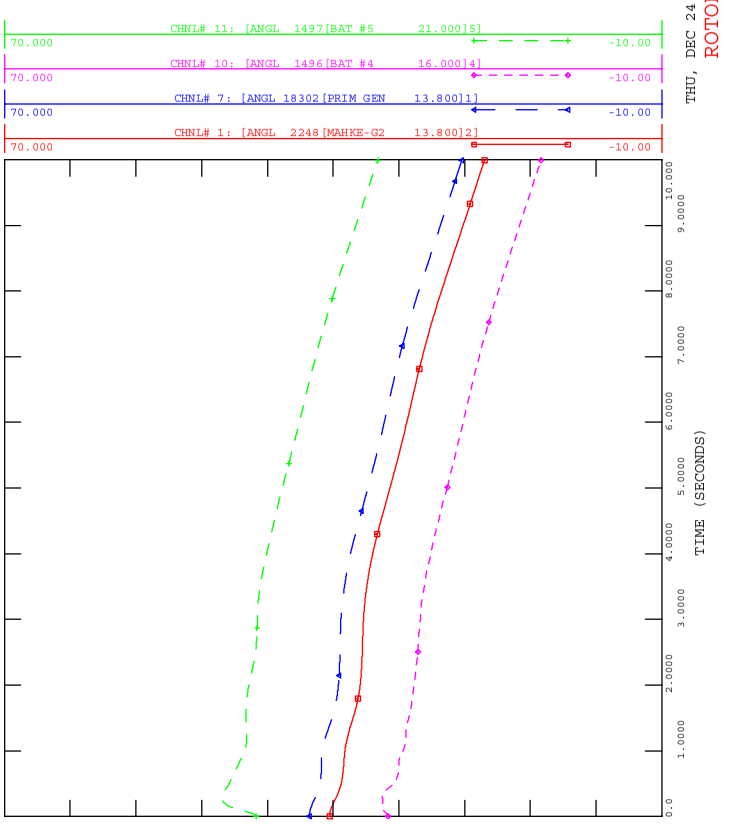


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

ROTOR ANGLES

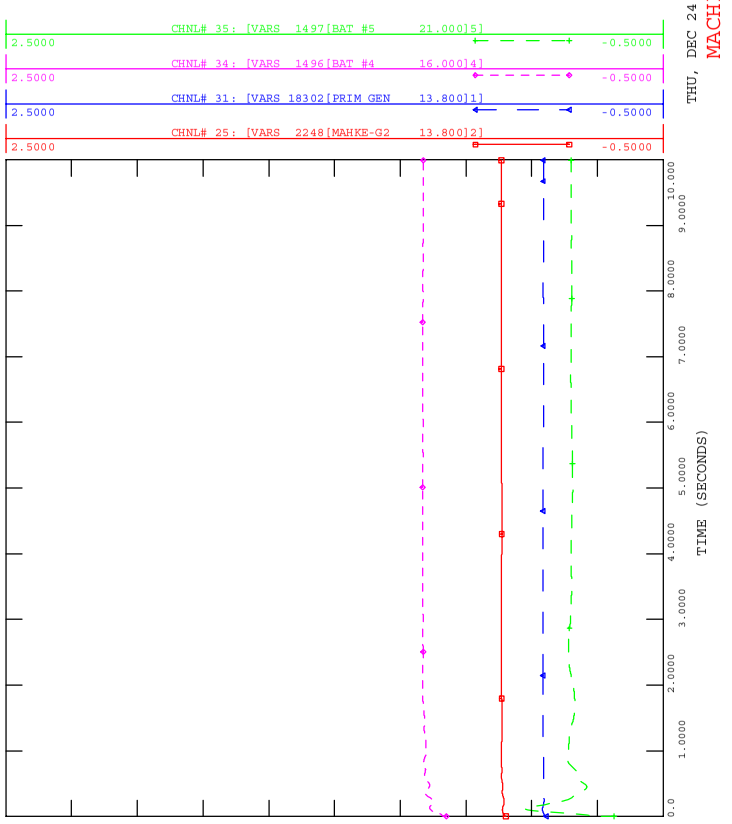


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 145: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

240 KV BUS VOLTAGES

CHNL# 242: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 239: [VOLT 273 [NILREM 4 240.00]]
CHNL# 214: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

SOUTH BUS VOLTAGES

CHNL# 237: [VOLT 219 [KILLARN7 138.00]]
CHNL# 232: [VOLT 74 [METIS647 138.00]]
CHNL# 178: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 208: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 261: [VOLT 76 [IPPL ST7 138.00]]

1.5000 0.0

TIME (SECONDS)

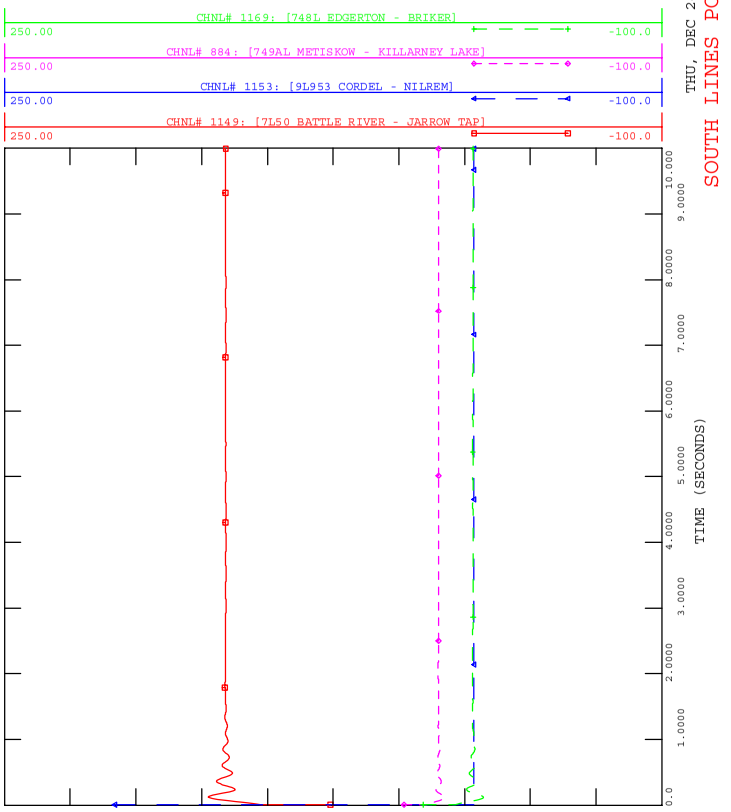
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CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

SOUTH LINES POWER FLOW

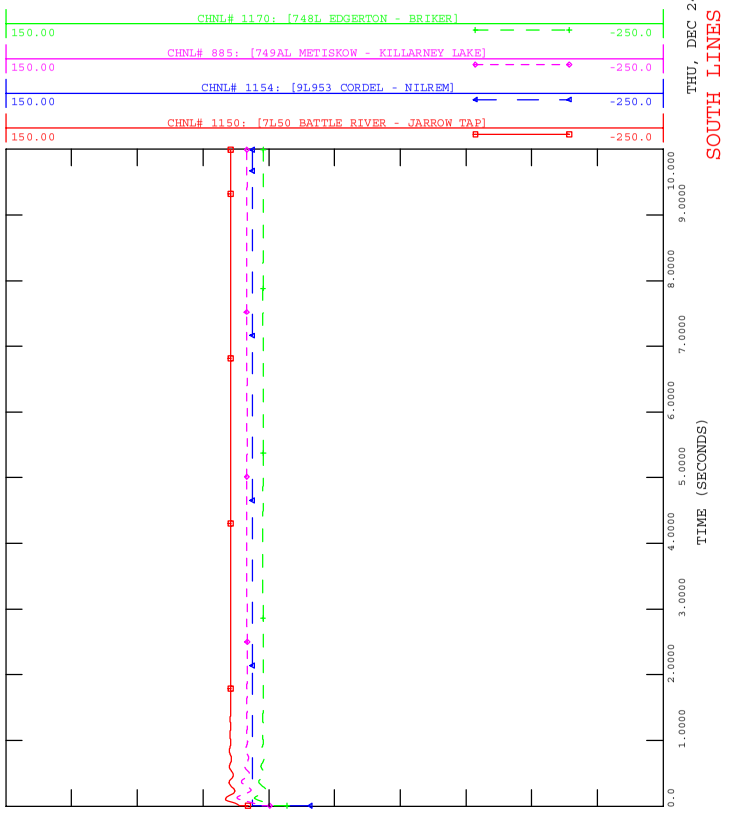


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

SOUTH LINES VAR FLOW

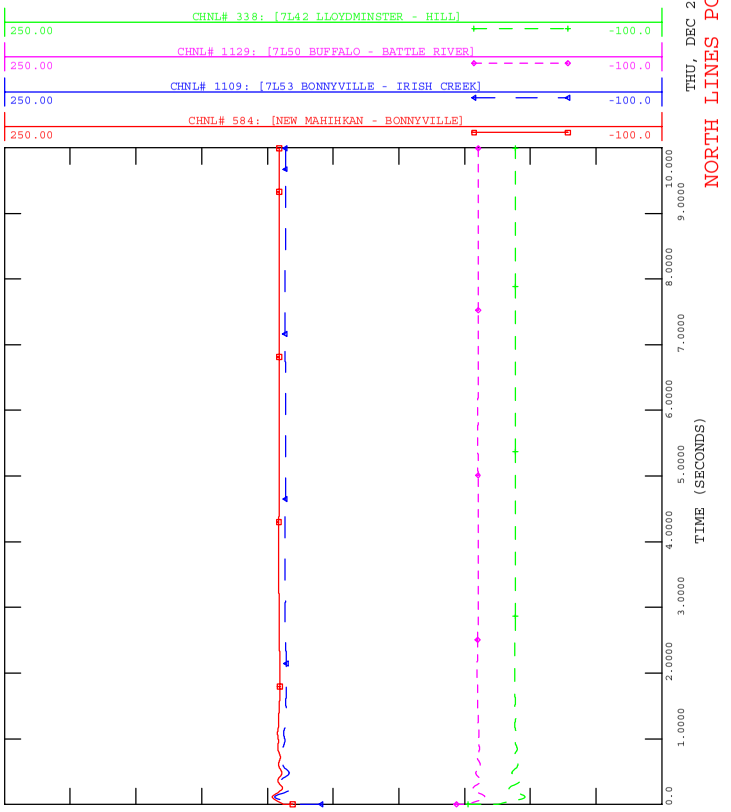


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

NORTH LINES POWER FLOW

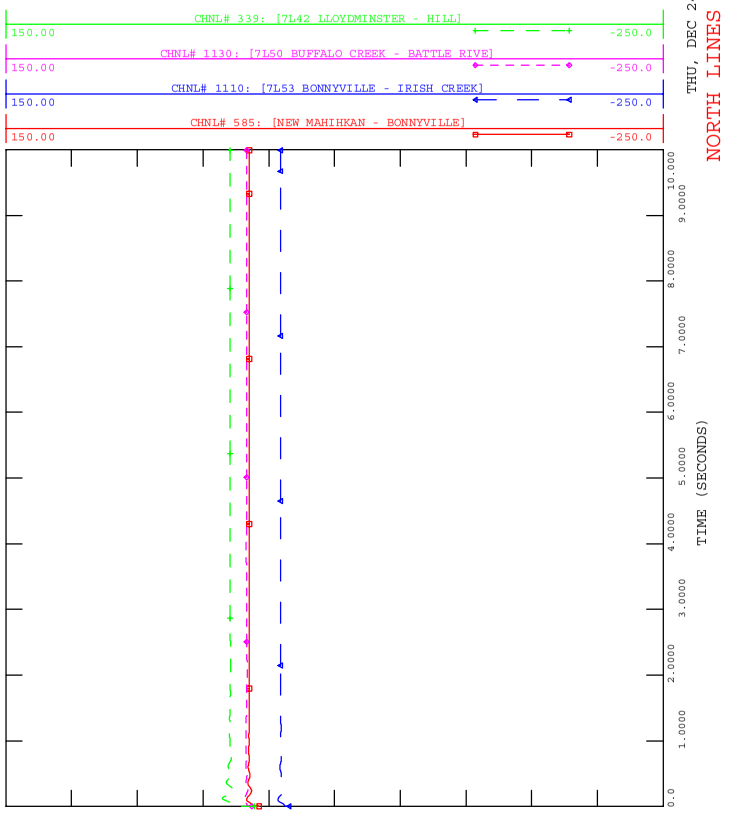


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

NORTH LINES VAR FLOW

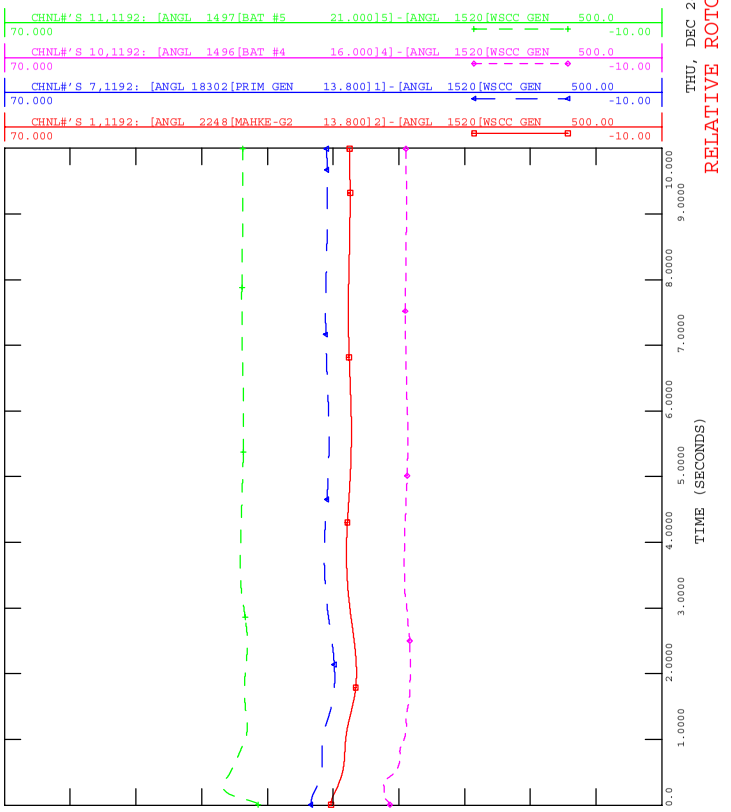


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

RELATIVE ROTOR ANGLES

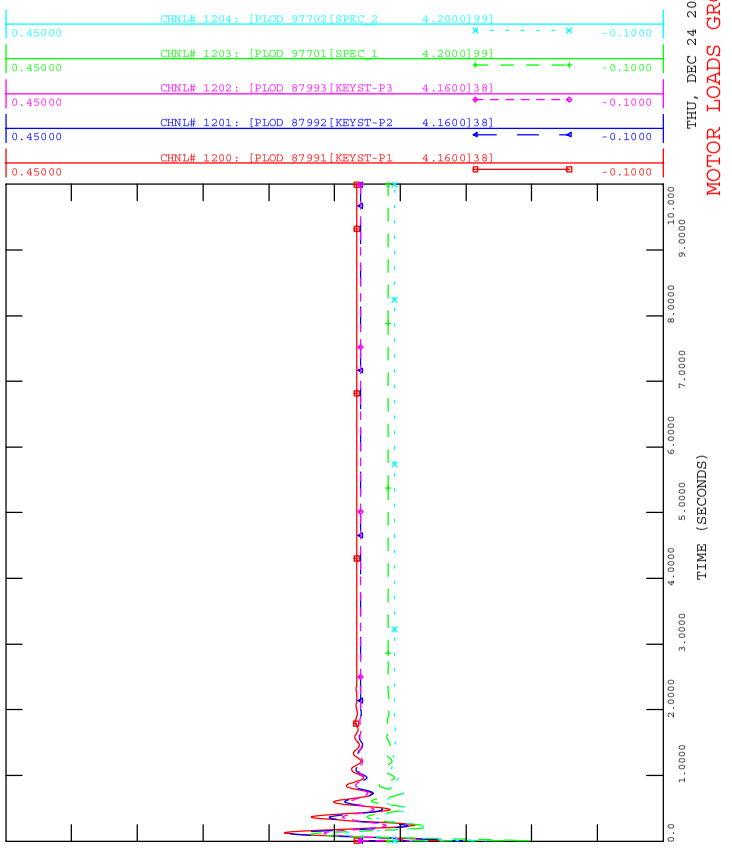


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

MOTOR LOADS GROUP II

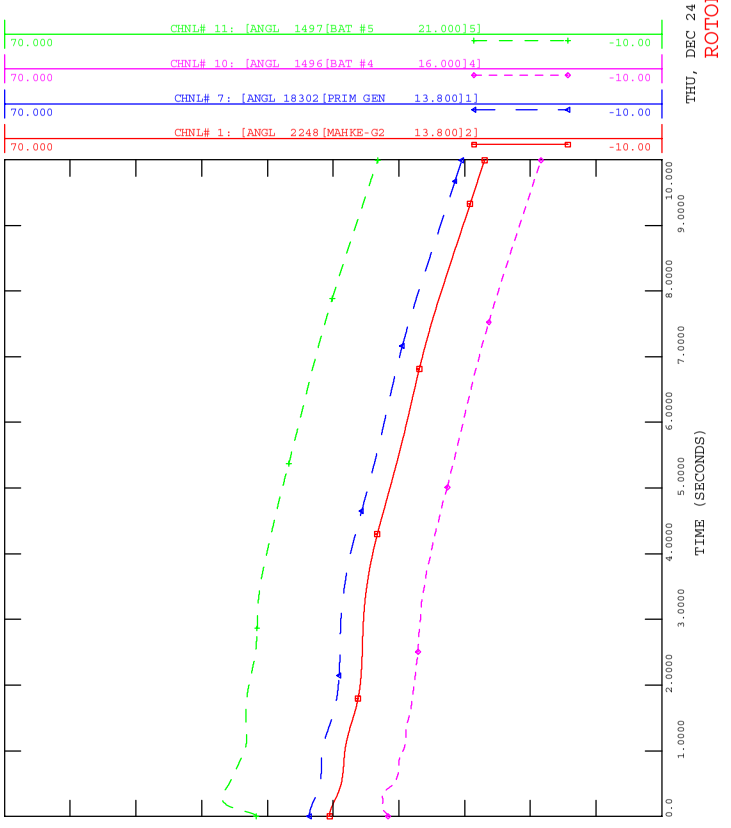


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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THU, DEC 24 2009 11:50

ROTOR ANGLES

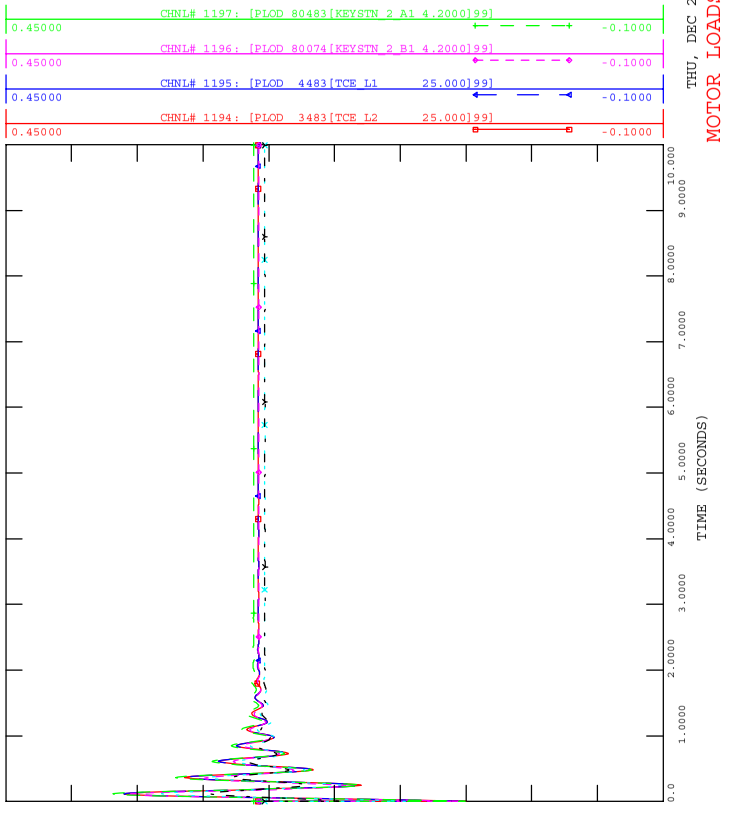


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-1Trip.out

THU, DEC 24 2009 11:50

MOTOR LOADS GROUP I

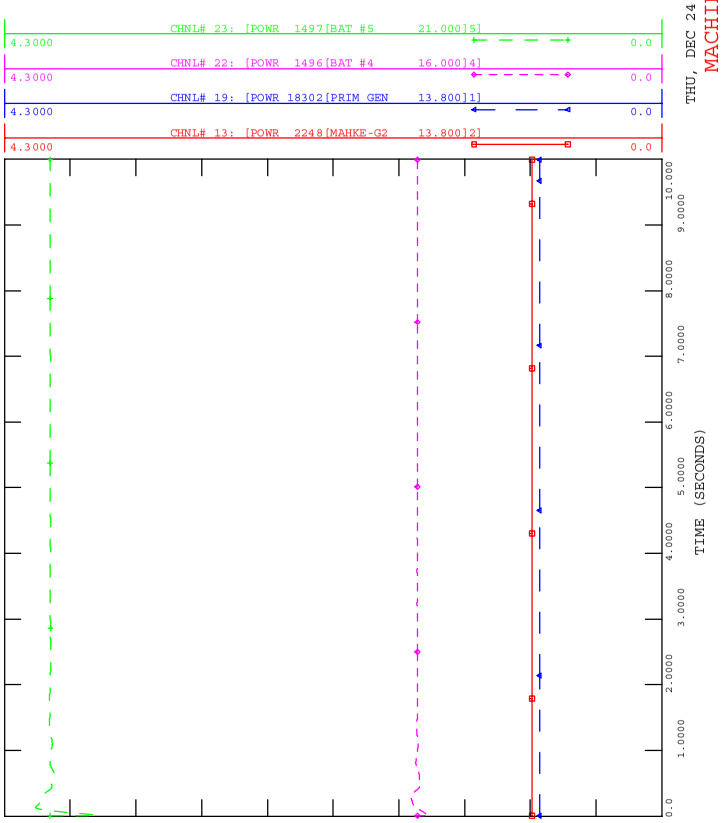


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

MACHINE POWER

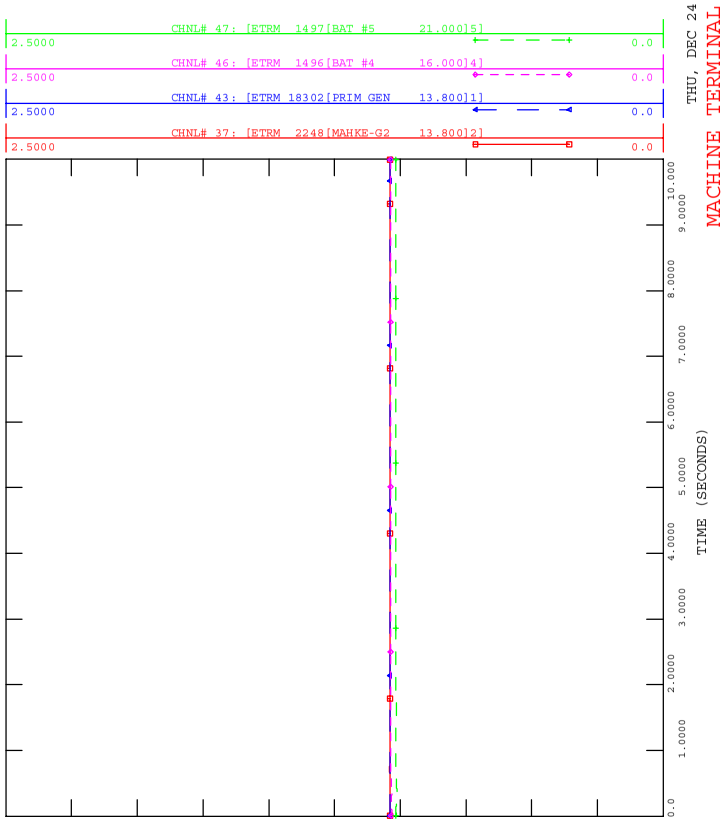


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

MACHINE TERMINAL VOLTAGE

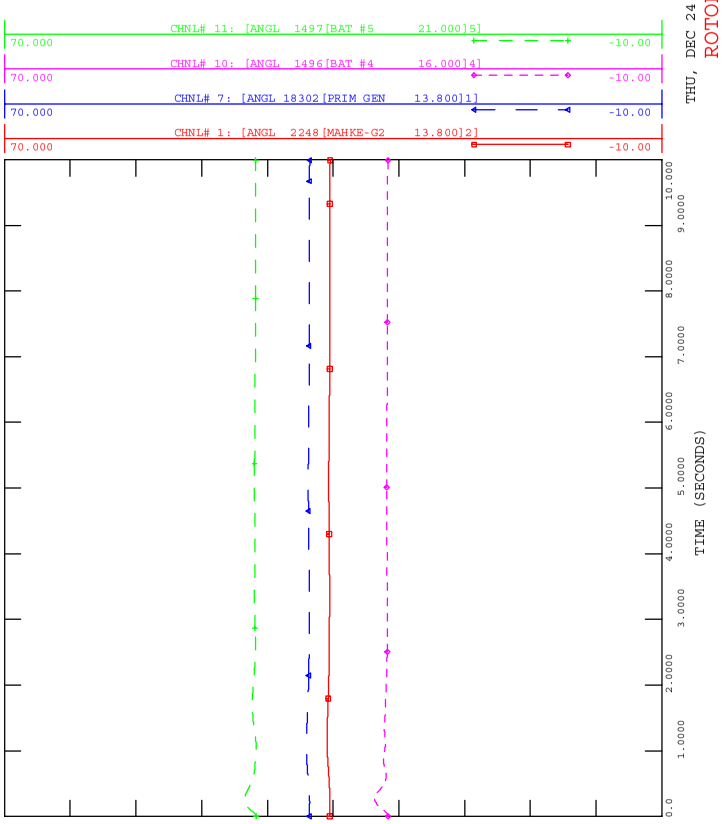


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

ROTOR ANGLES

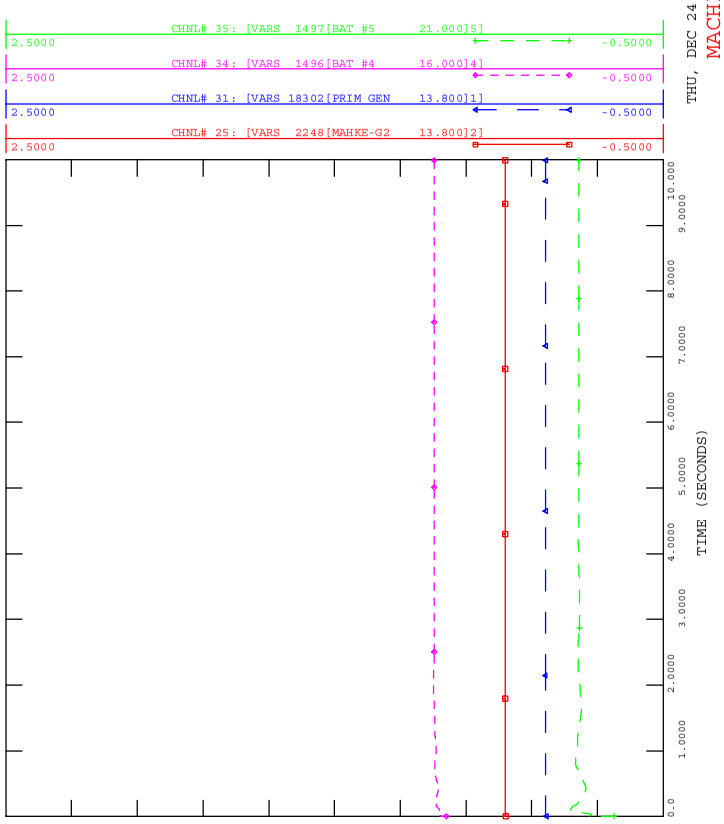


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

MACHINE VARS



CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

NORTH BUS VOLTAGES

CHNL# 96: [VOLT 1455 [LLOYD 7 138.00]]
CHNL# 91: [VOLT 1383 [VERMILO7 138.00]]
CHNL# 125: [VOLT 1344 [BONNY 7 138.00]]
CHNL# 145: [VOLT 13033 [NEWMAHAREASB138.00]]
CHNL# 120: [VOLT 1313 [MARG LK7 138.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

240 KV BUS VOLTAGES

CHNL# 242: [VOLT 649 [HANSMAN7 240.00]]
CHNL# 239: [VOLT 273 [NILREM 4 240.00]]
CHNL# 214: [VOLT 1499 [CORDEL 4 240.00]]
CHNL# 119: [VOLT 1312 [MARG LK4 240.00]]

1.5000 0.0

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

MACHINE SPEED

CHNL# 83: [SPD 1497[BAT #5 21.000]5]
CHNL# 82: [SPD 1496[BAT #4 16.000]4]
CHNL# 79: [SPD 18302[PRIM GEN 13.800]1]
CHNL# 73: [SPD 2248[MAHKE-G2 13.800]2]

0.01000 -0.0100

TIME (SECONDS)

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

SOUTH BUS VOLTAGES

CHNL# 237: [VOLT 219 [KILLARN7 138.00]]
CHNL# 232: [VOLT 74 [METIS647 138.00]]
CHNL# 178: [VOLT 297 [WAINWRI7 138.00]]
CHNL# 208: [VOLT 1491 [BAT. RV7 138.00]]
CHNL# 261: [VOLT 76 [IPPL ST7 138.00]]

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TIME (SECONDS)

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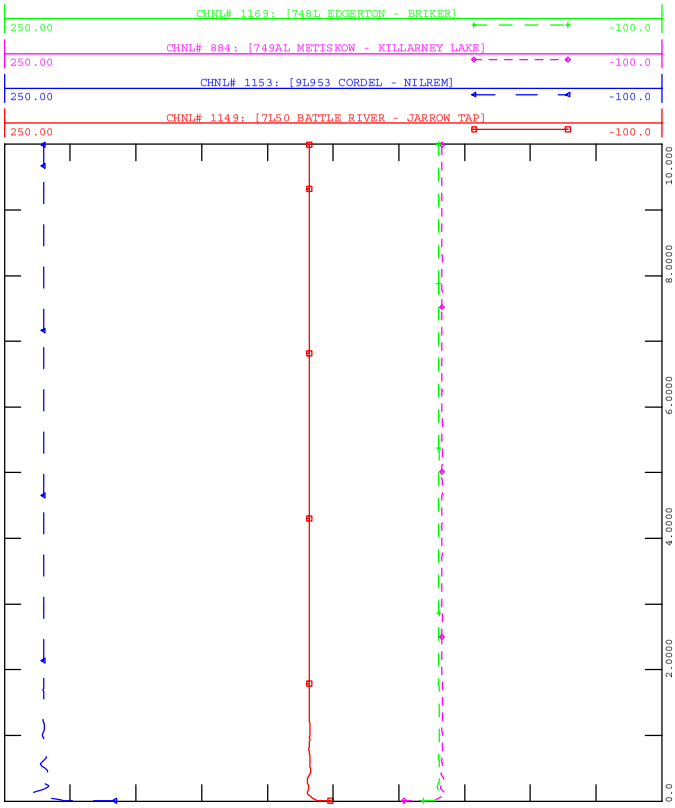
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

SOUTH LINES POWER FLOW

CHNL# 1169: [748L EDGERTON - BRIKER]
CHNL# 884: [749AL METISKOW - KILLARNEY LAKE]
CHNL# 1153: [9L953 CORDEL - NILREM]
CHNL# 1149: [7L50 BATTLE RIVER - JARROW TAP]



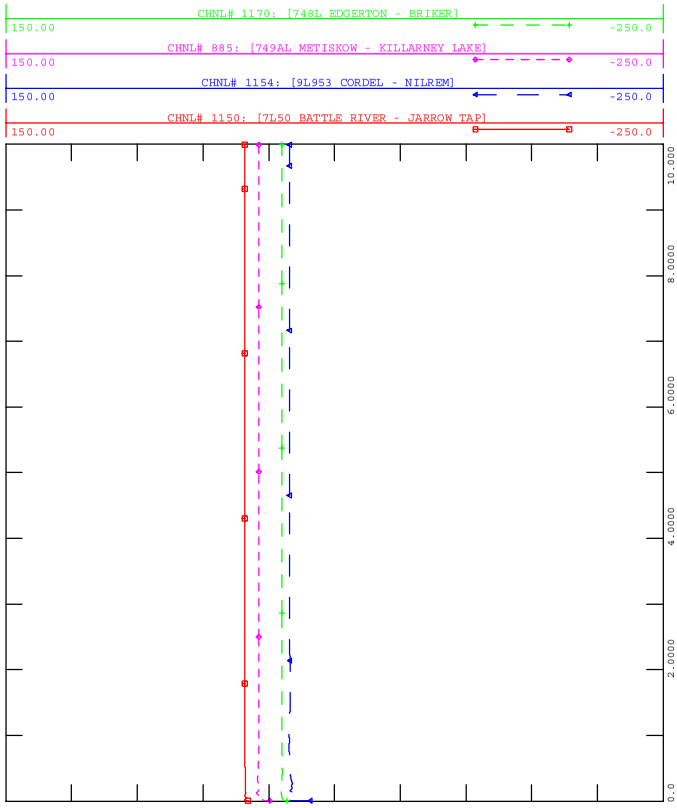
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

SOUTH LINES VAR FLOW

CHNL# 1170: [748L EDGERTON - BRIKER]
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
CHNL# 1154: [9L953 CORDEL - NILREM]
CHNL# 1150: [7L50 BATTLE RIVER - JARROW TAP]



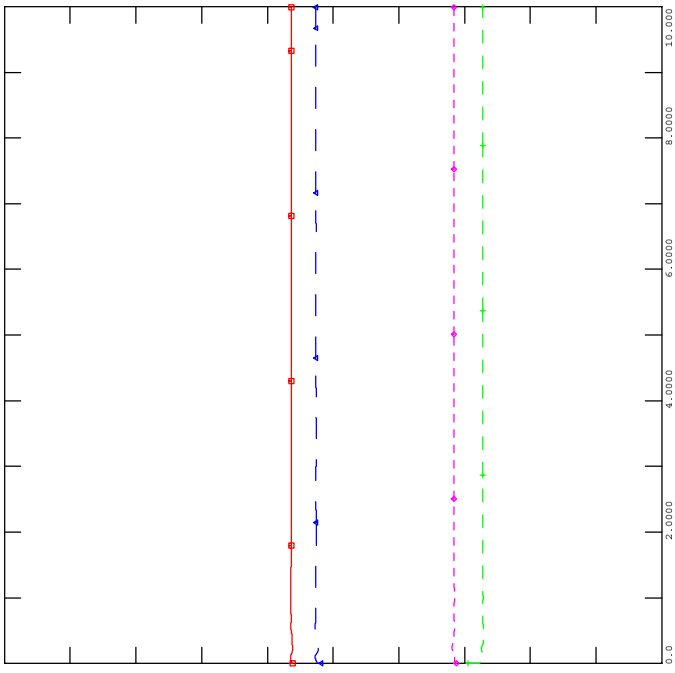
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

NORTH LINES POWER FLOW

CHNL# 338: [7L42 LLOYDMINSTER - HILL]
CHNL# 1129: [7L50 BUFFALO - BATTLE RIVER]
CHNL# 1109: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 584: [NEW MAHIHKAN - BONNYVILLE]



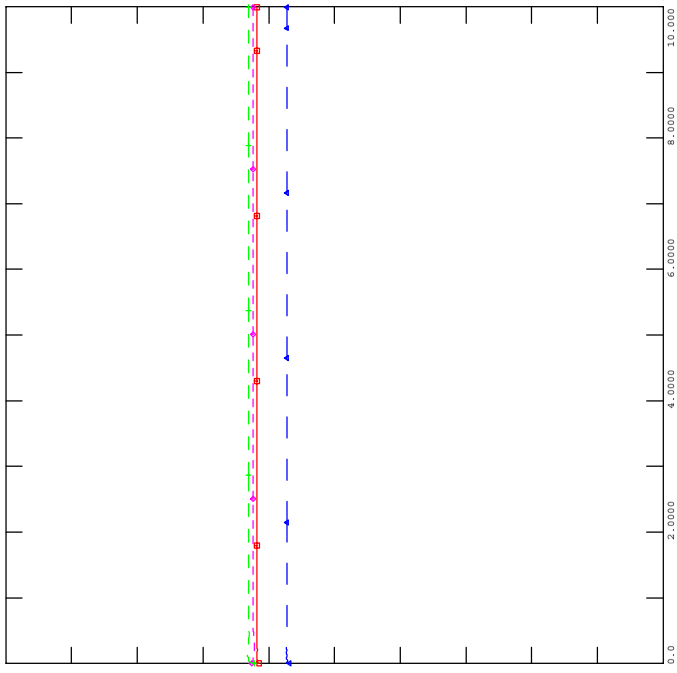
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

NORTH LINES VAR FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
CHNL# 1130: [7L50 BUFFALO CREEK - BATTLE RIVE]
CHNL# 1110: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE]

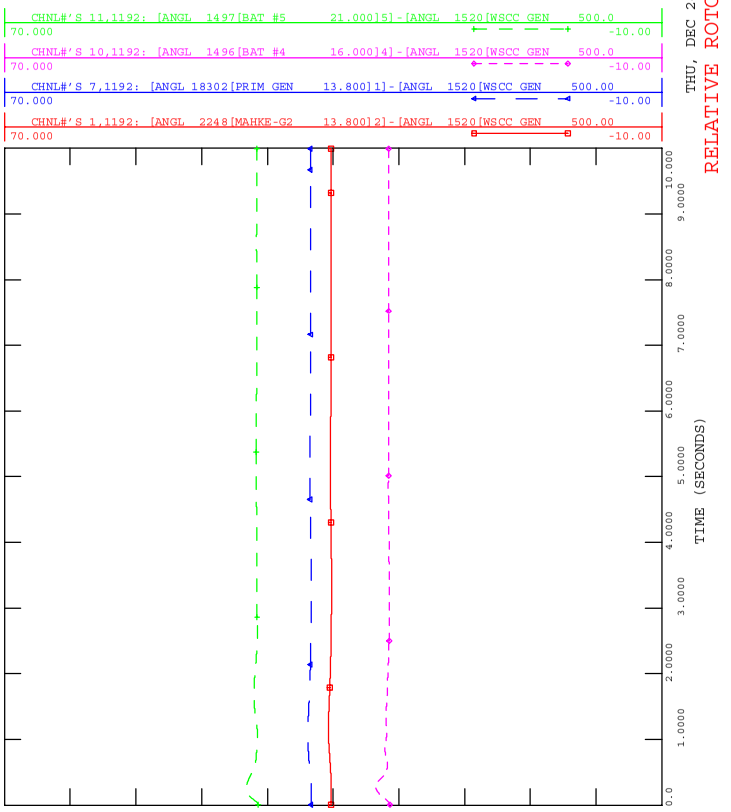


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

RELATIVE ROTOR ANGLES

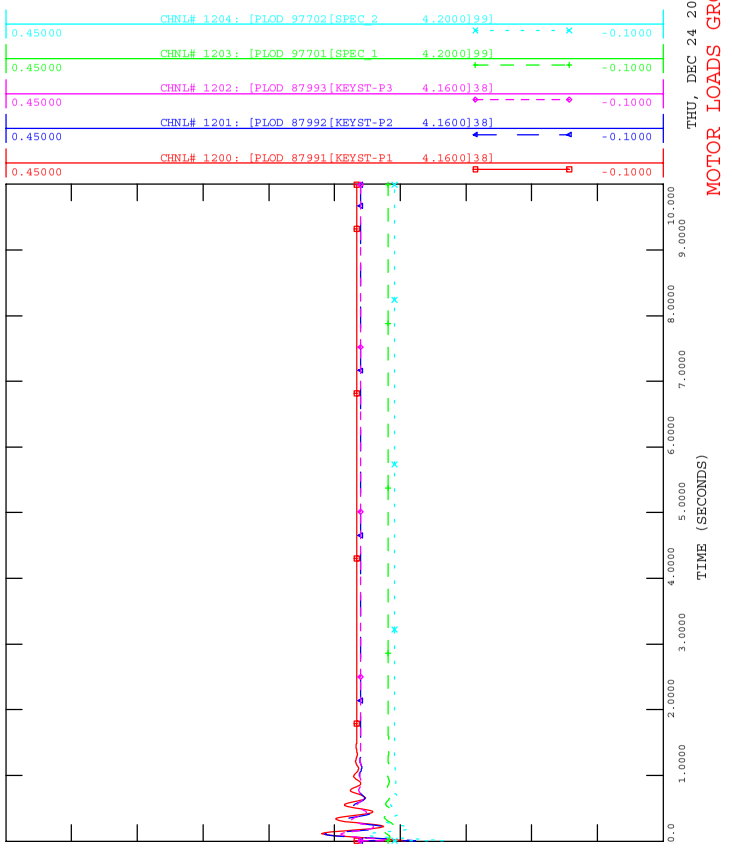


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

MOTOR LOADS GROUP II

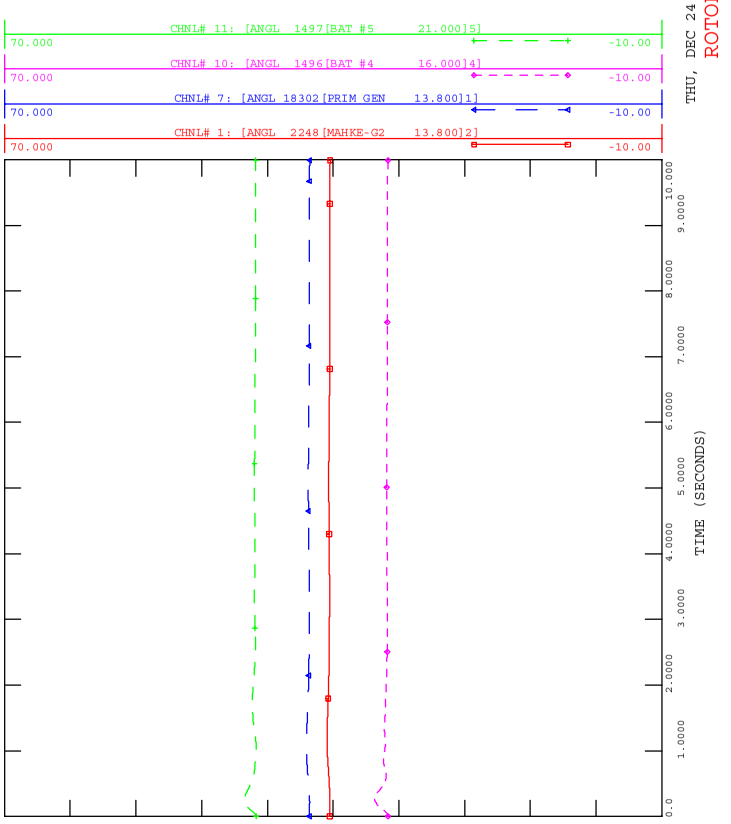


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D7-2Trip.out

THU, DEC 24 2009 11:51

ROTOR ANGLES

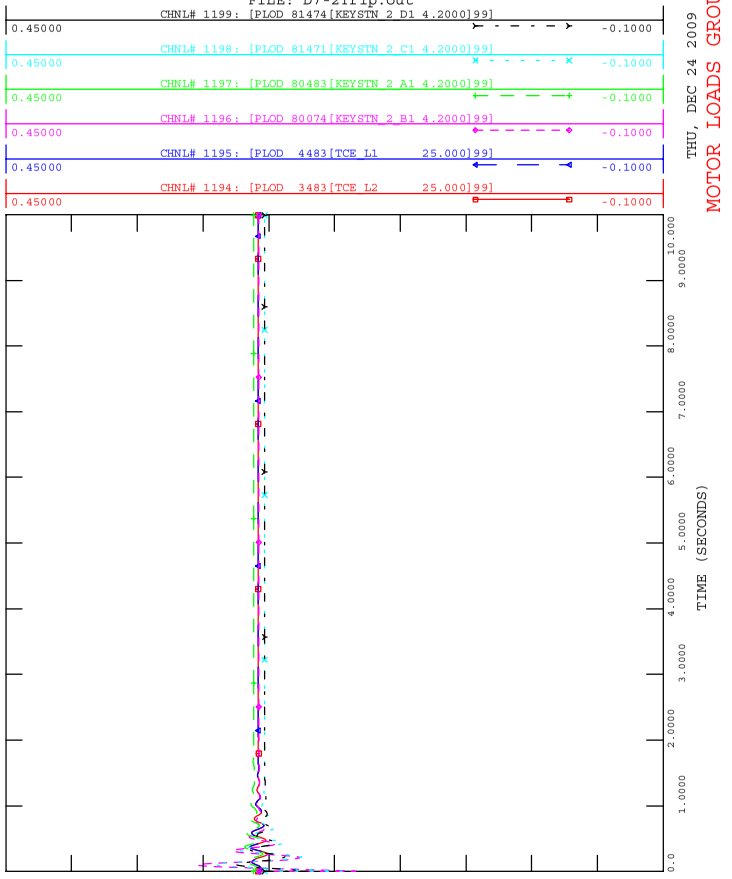


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MOTOR LOADS GROUP I

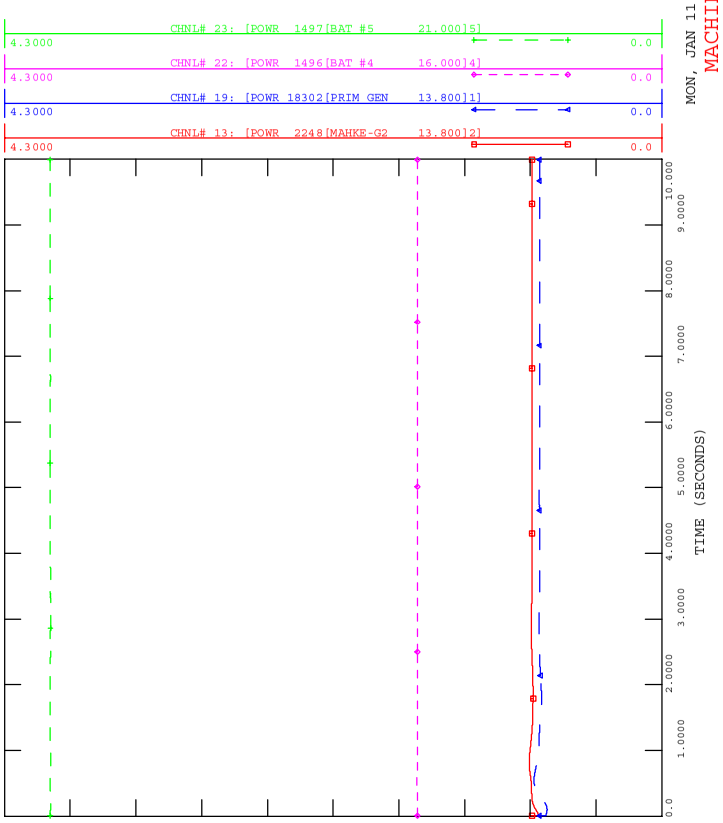


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:45

MACHINE POWER

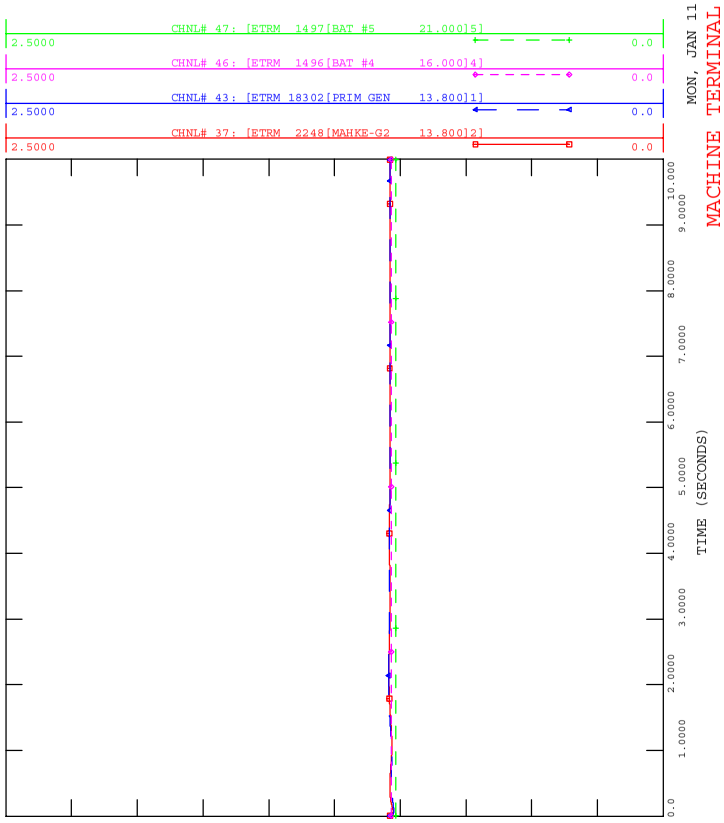


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

MACHINE TERMINAL VOLTAGE

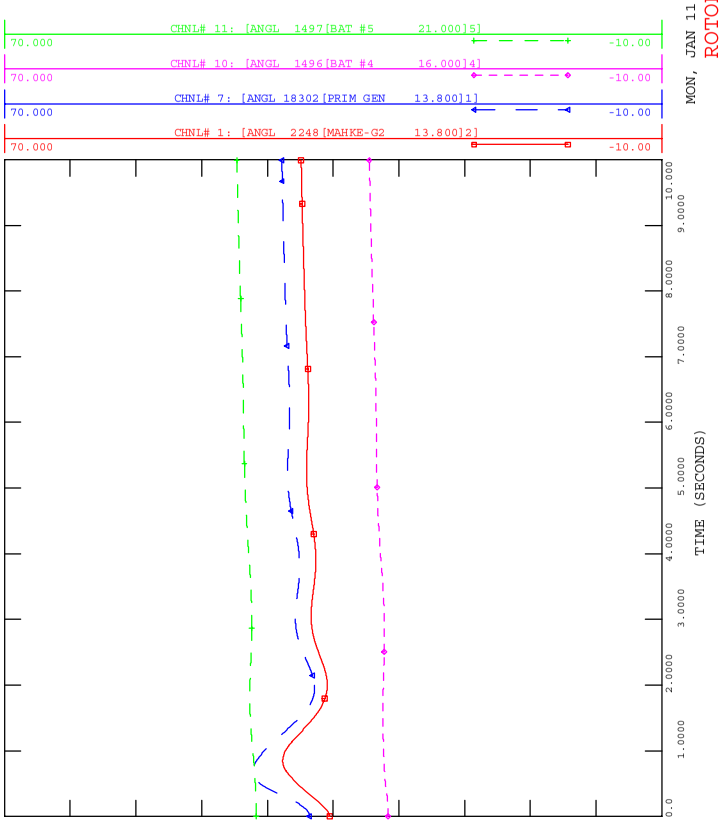


CENTRAL AREA STUDY
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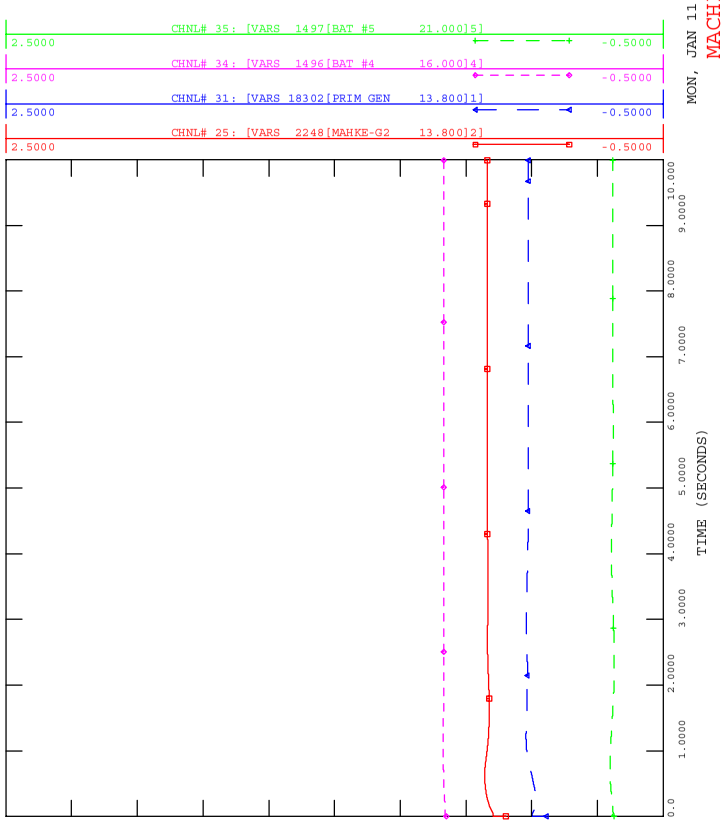


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

MACHINE VARS

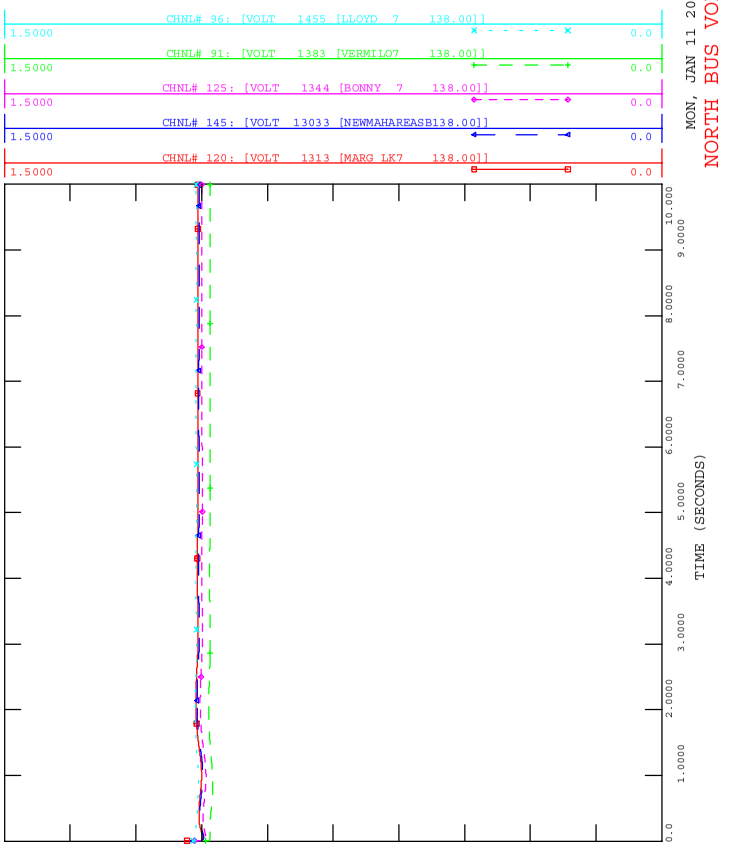


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

NORTH BUS VOLTAGES

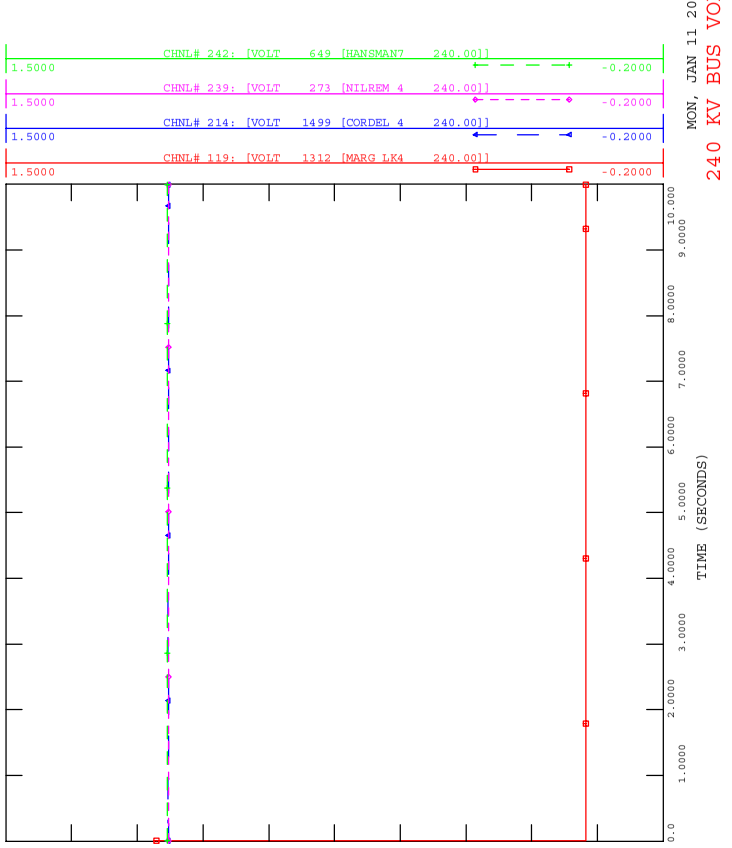


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

240 KV BUS VOLTAGES

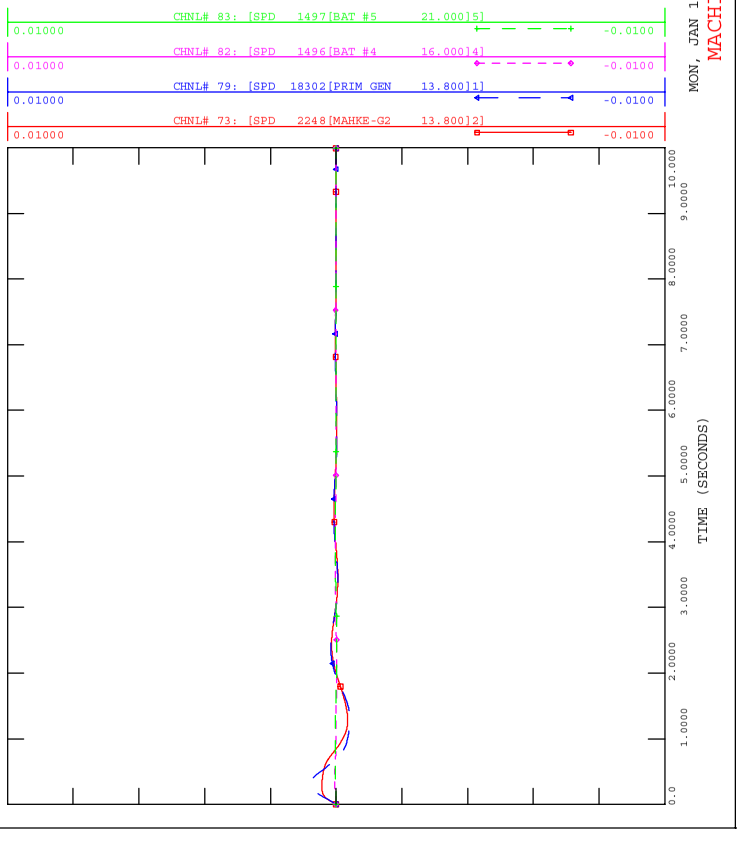


CENTRAL AREA STUDY
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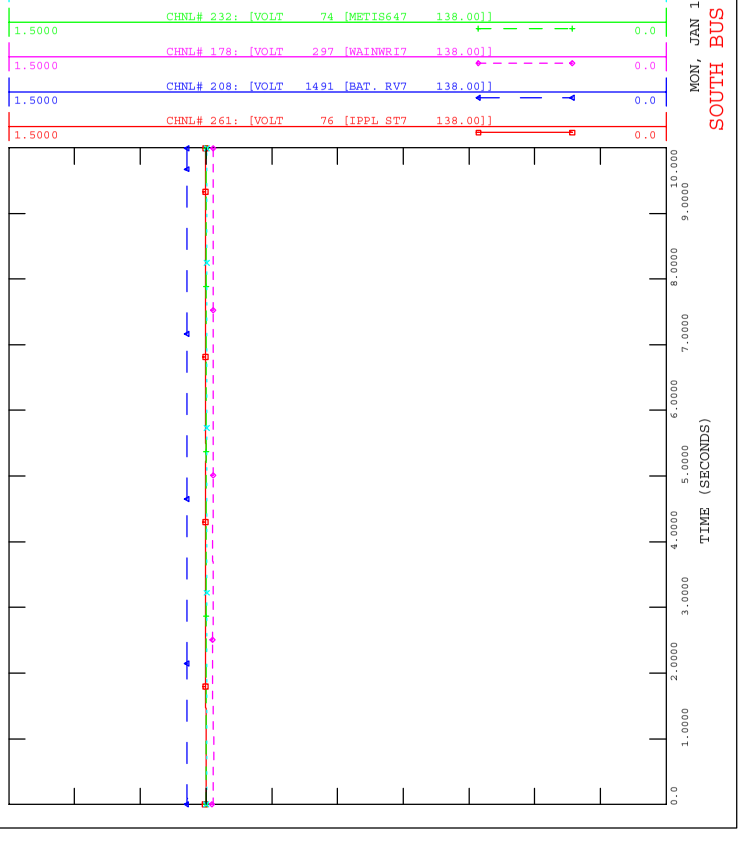


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

SOUTH BUS VOLTAGES

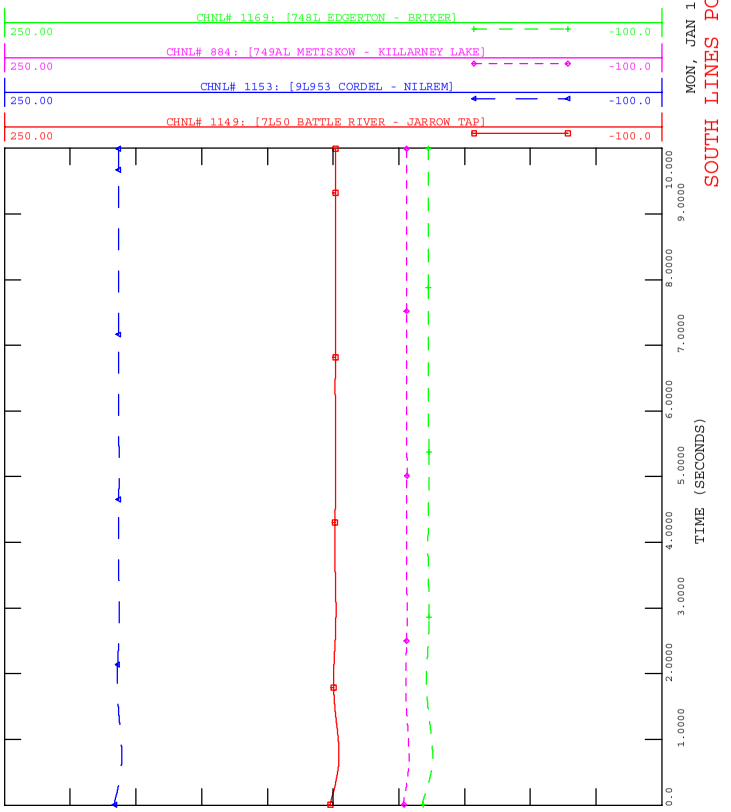


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

SOUTH LINES POWER FLOW

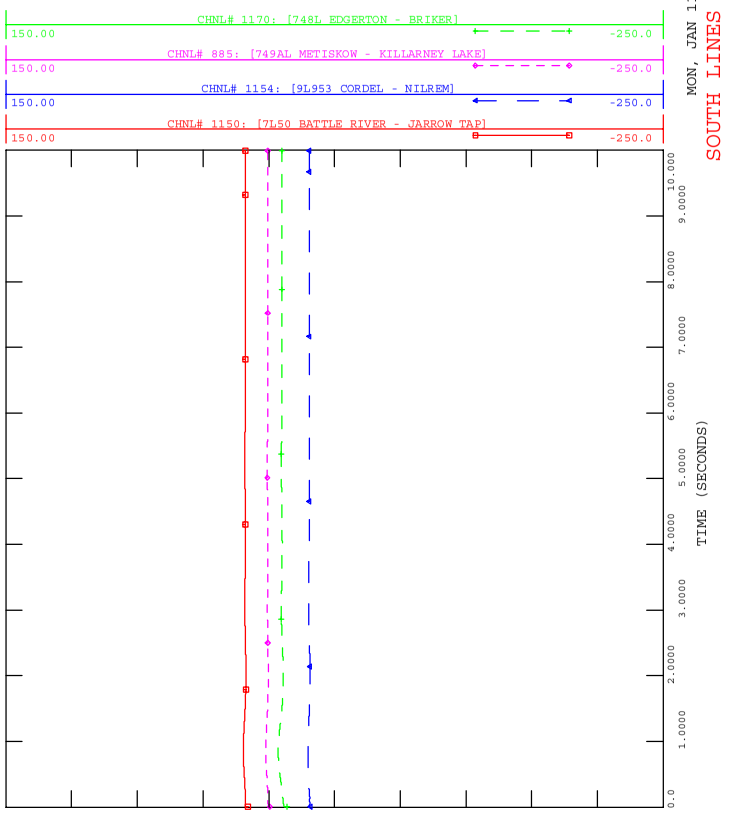


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

SOUTH LINES VAR FLOW

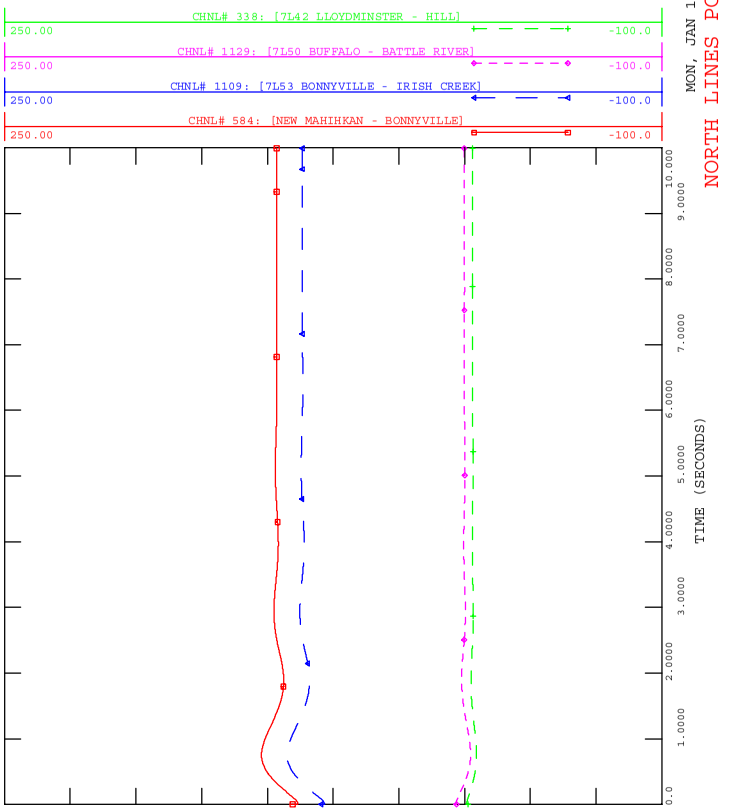


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

NORTH LINES POWER FLOW

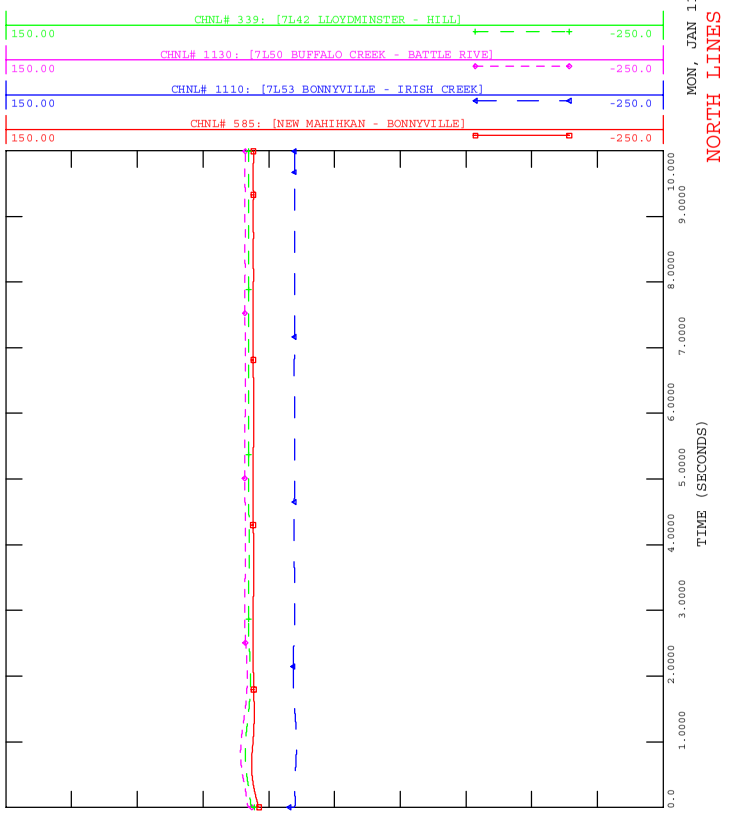


CENTRAL AREA STUDY
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NORTH LINES VAR FLOW

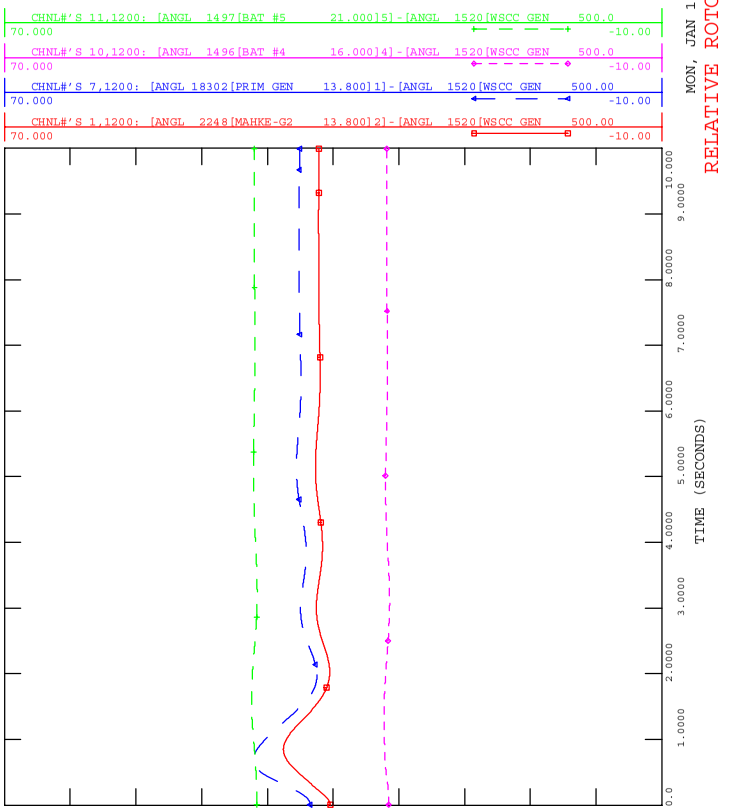


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

RELATIVE ROTOR ANGLES

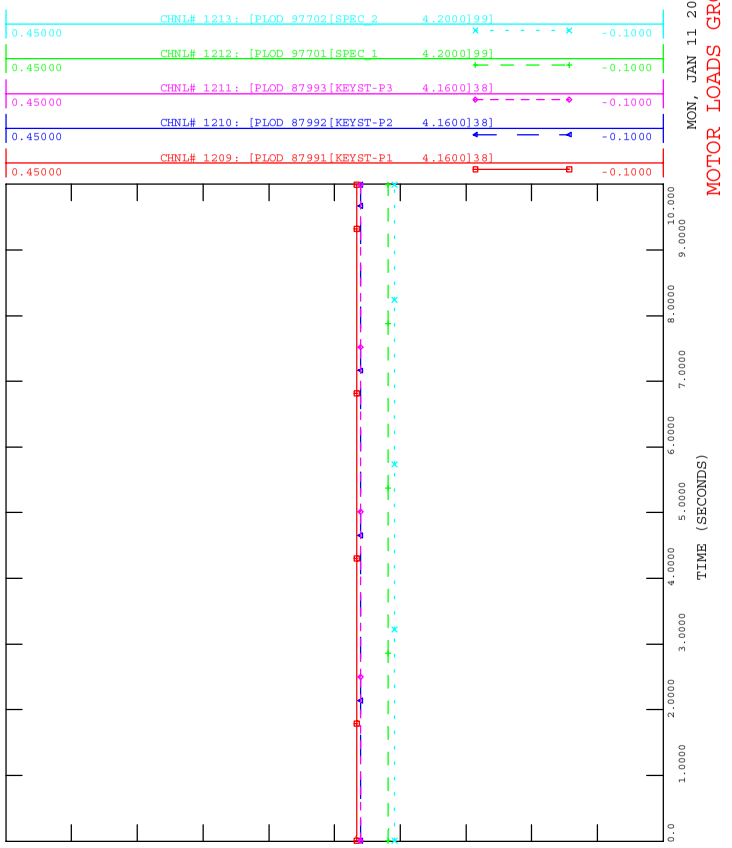


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

MOTOR LOADS GROUP II

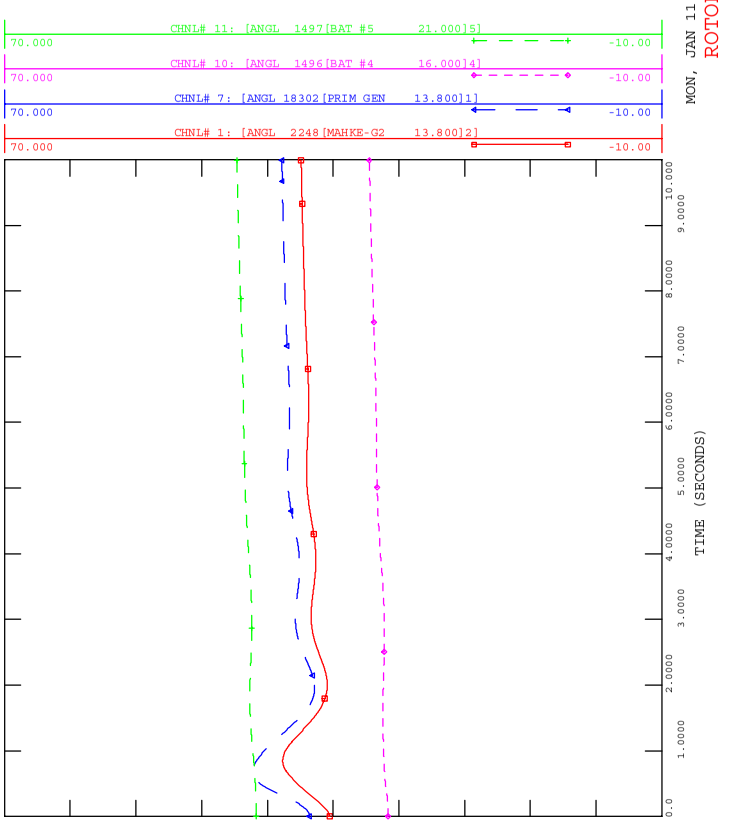


CENTRAL AREA STUDY
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ROTOR ANGLES

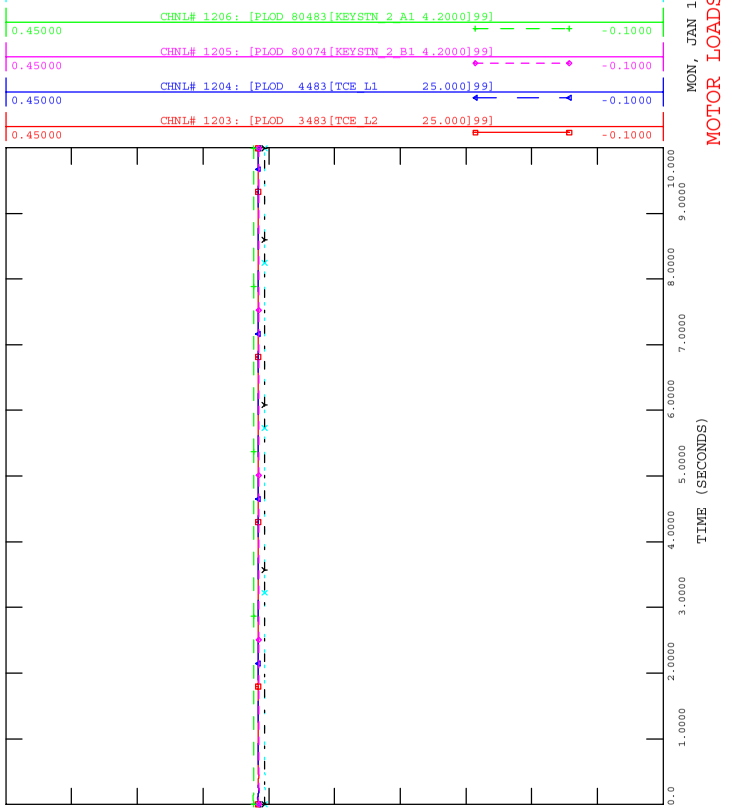


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:45

MOTOR LOADS GROUP I

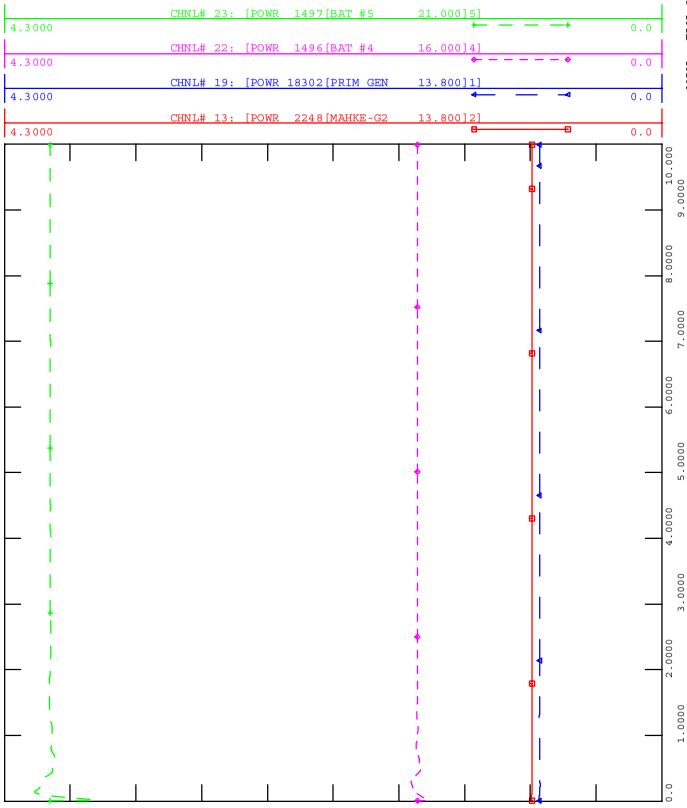


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

MACHINE POWER

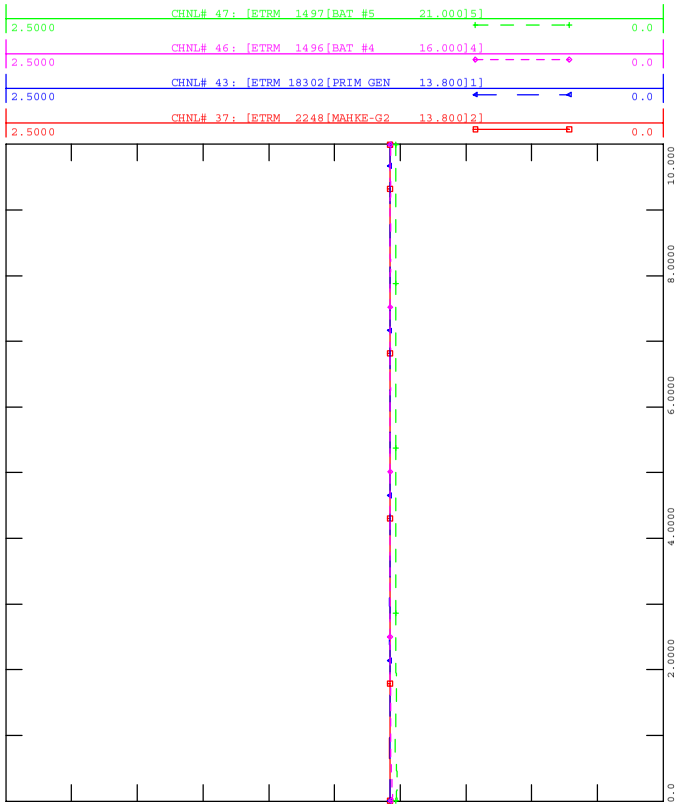


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

MACHINE TERMINAL VOLTAGE

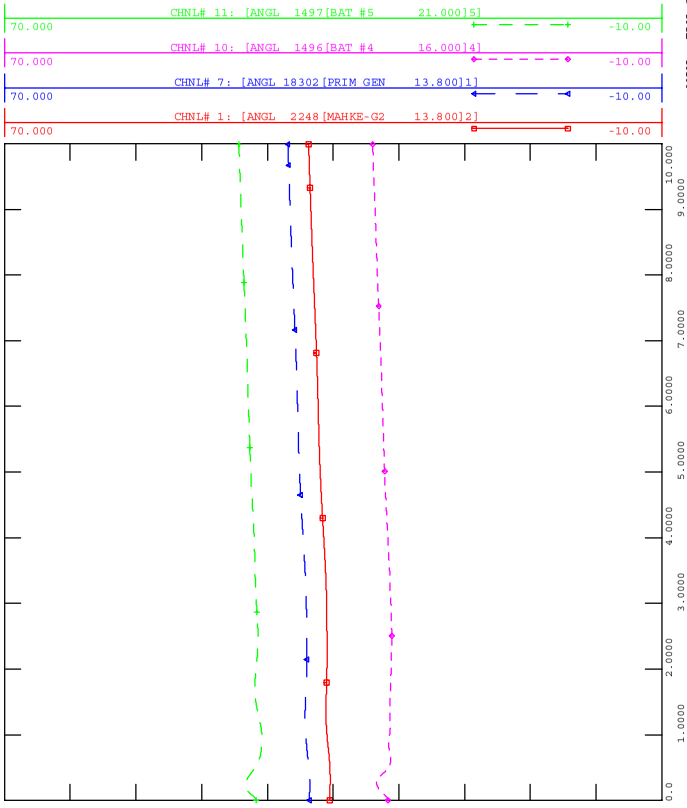


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ROTOR ANGLES

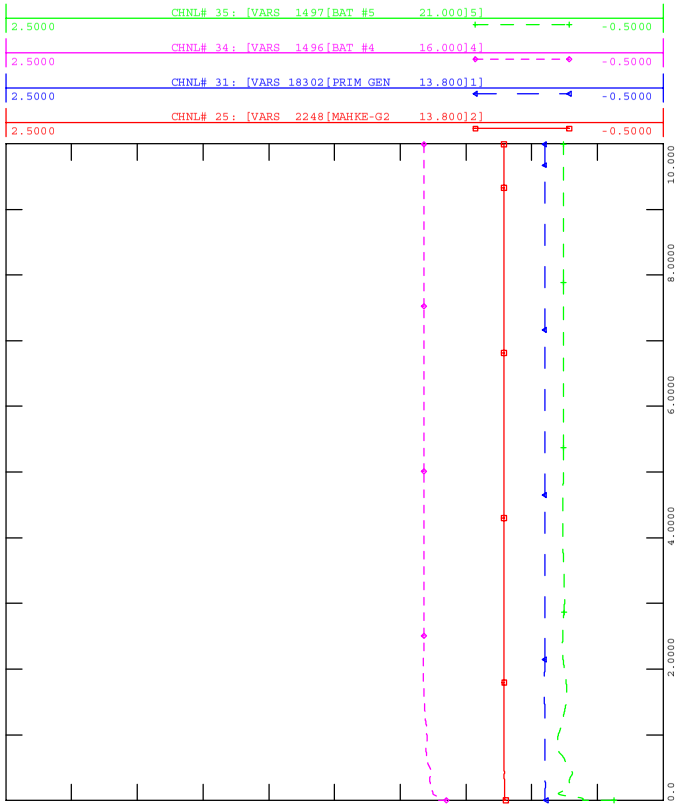


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

MACHINE VARS

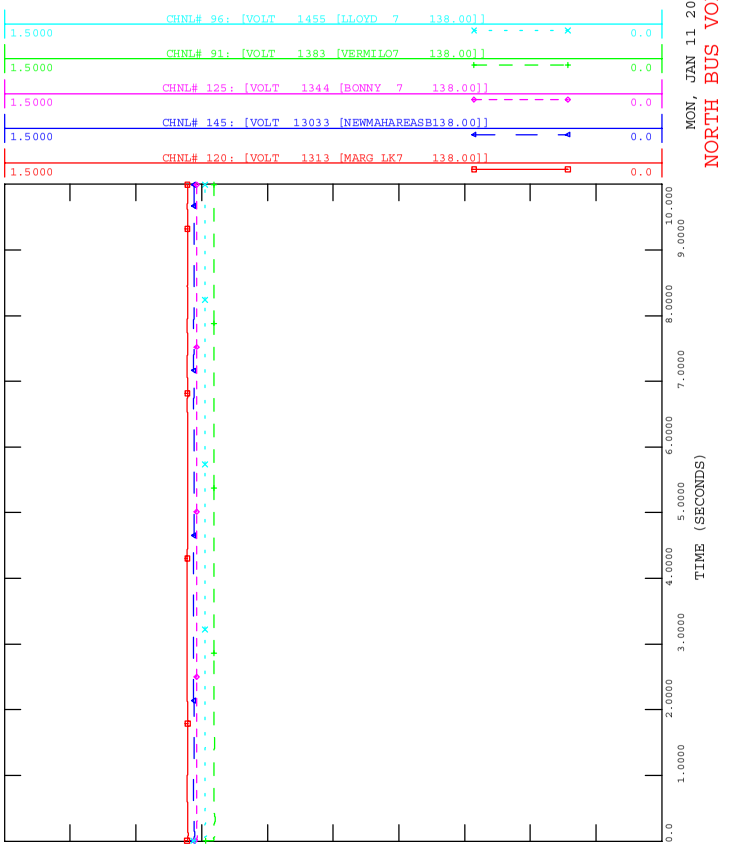


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

NORTH BUS VOLTAGES

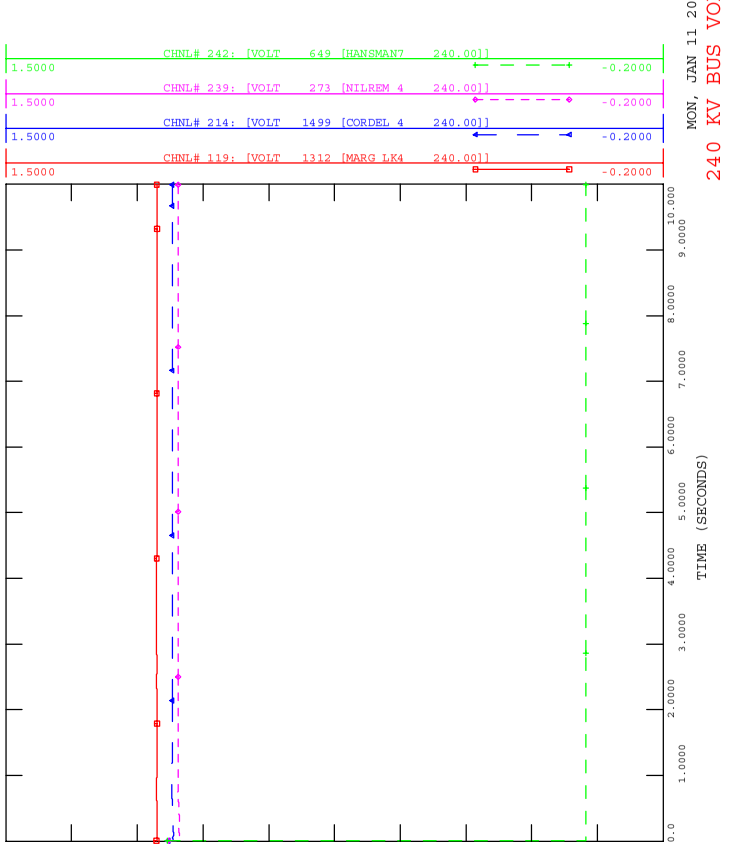


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

240 KV BUS VOLTAGES

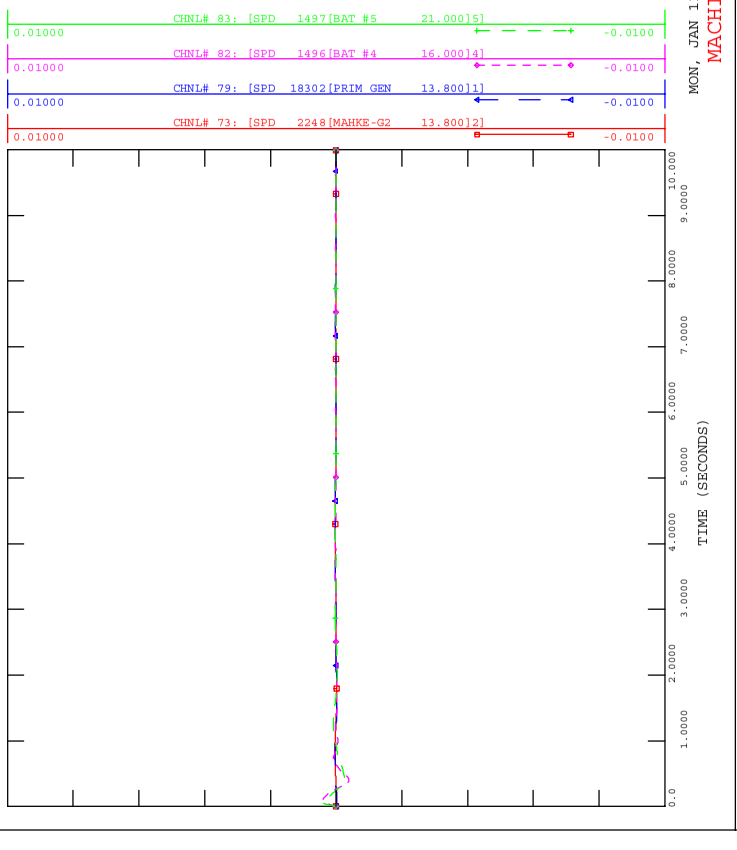


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

MACHINE SPEED

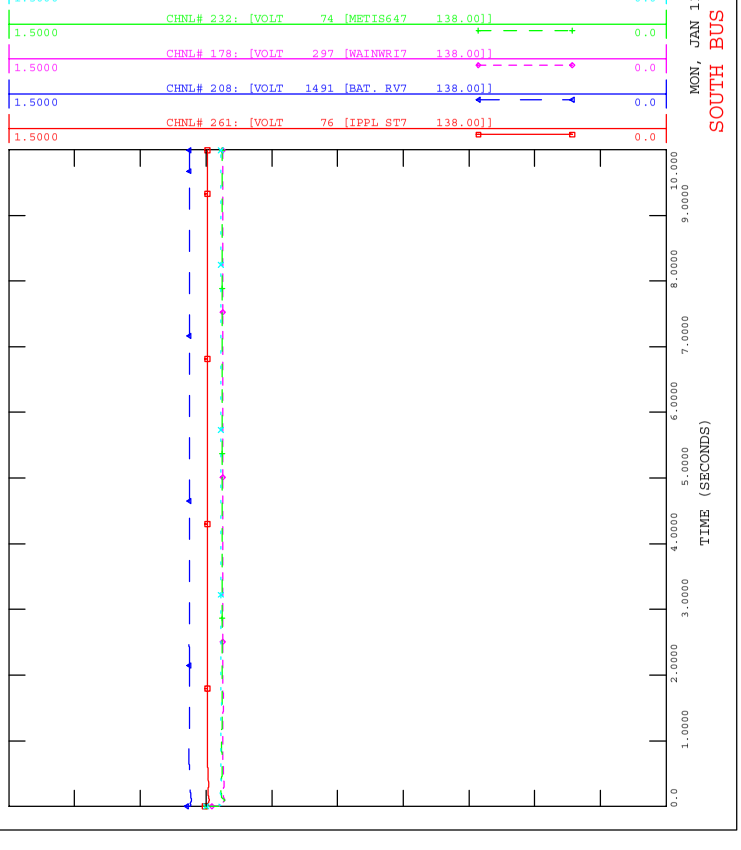


CENTRAL AREA STUDY
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SOUTH BUS VOLTAGES

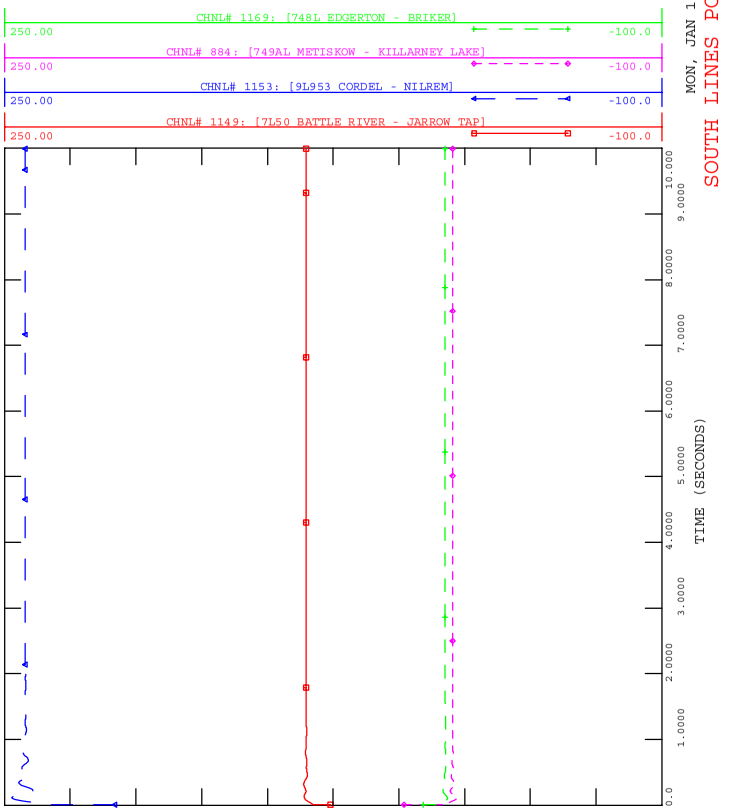


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MON, JAN 11 2010 8:41

SOUTH LINES POWER FLOW

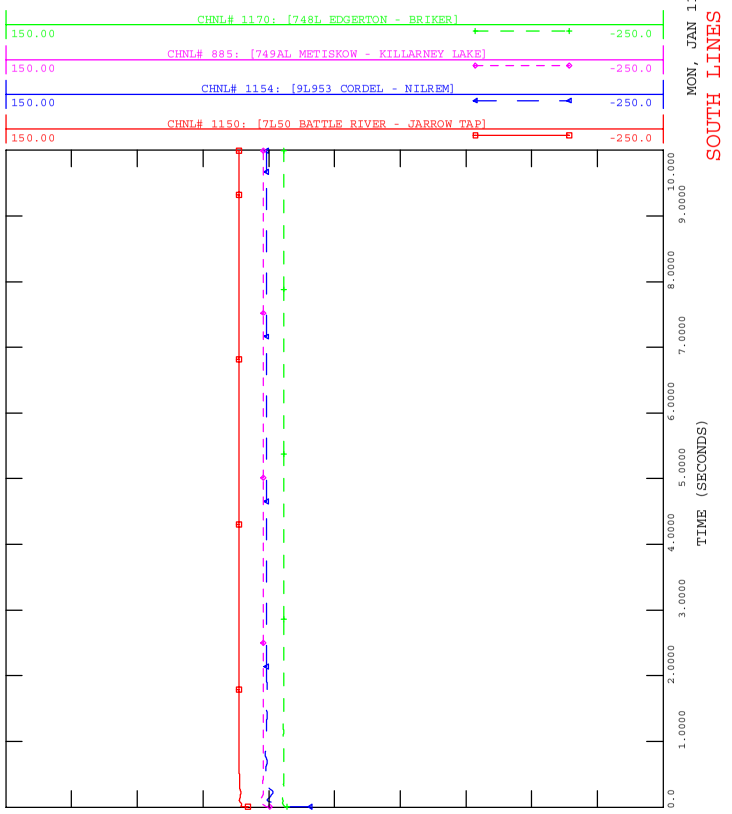


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SOUTH LINES VAR FLOW

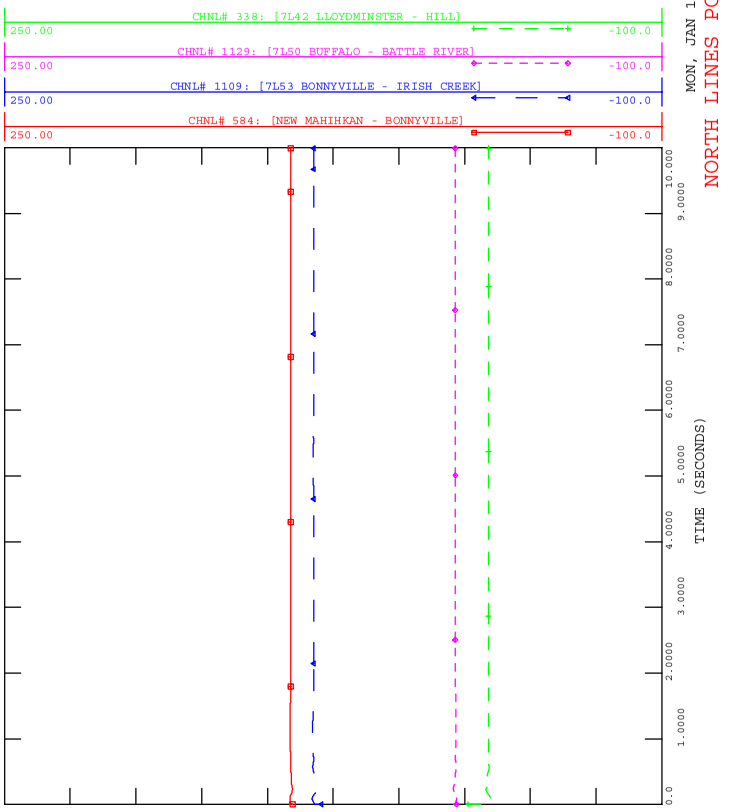


CENTRAL AREA STUDY
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NORTH LINES POWER FLOW

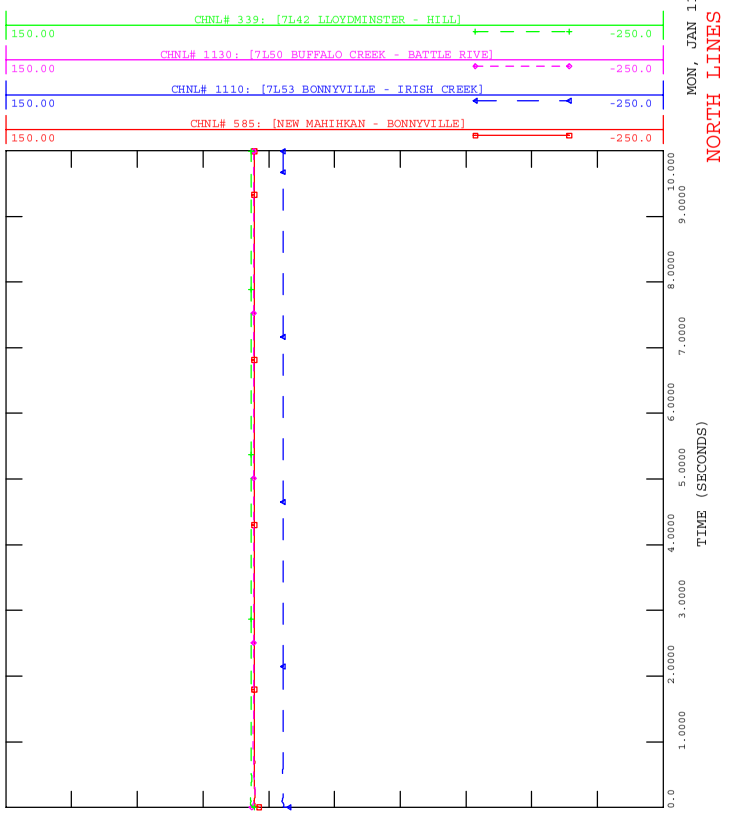


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NORTH LINES VAR FLOW

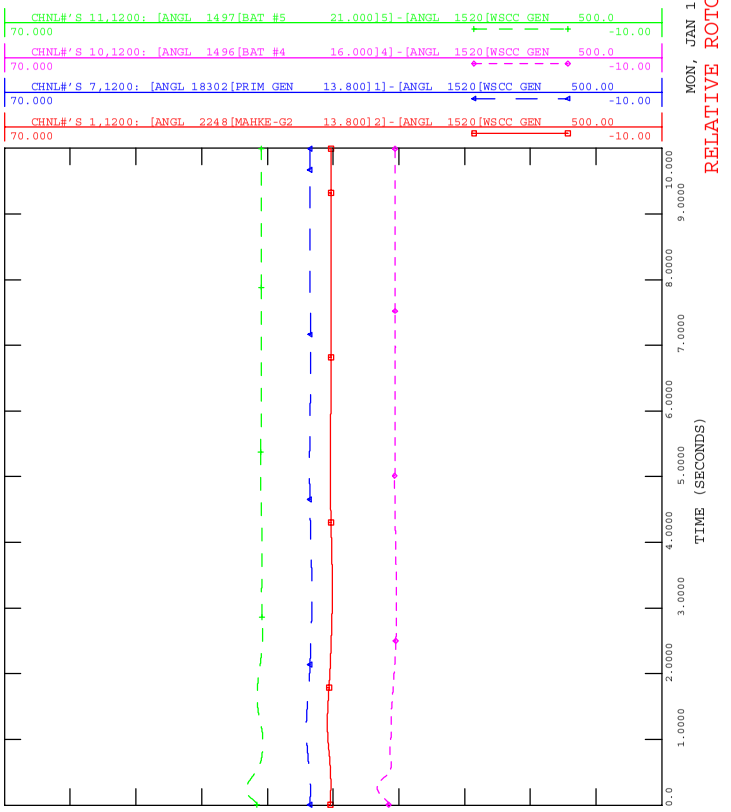


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

RELATIVE ROTOR ANGLES

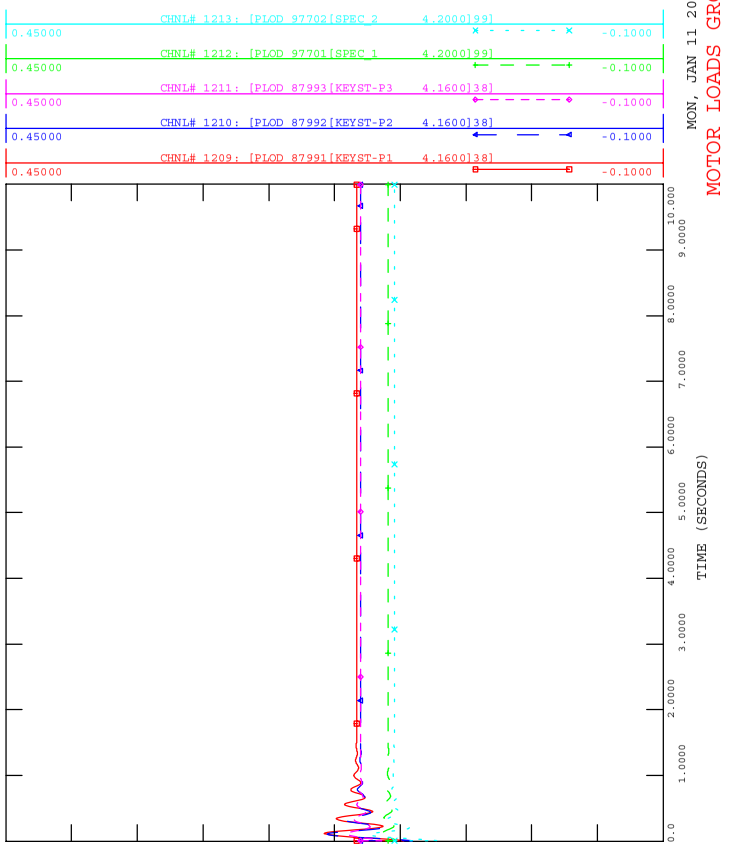


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

MOTOR LOADS GROUP II

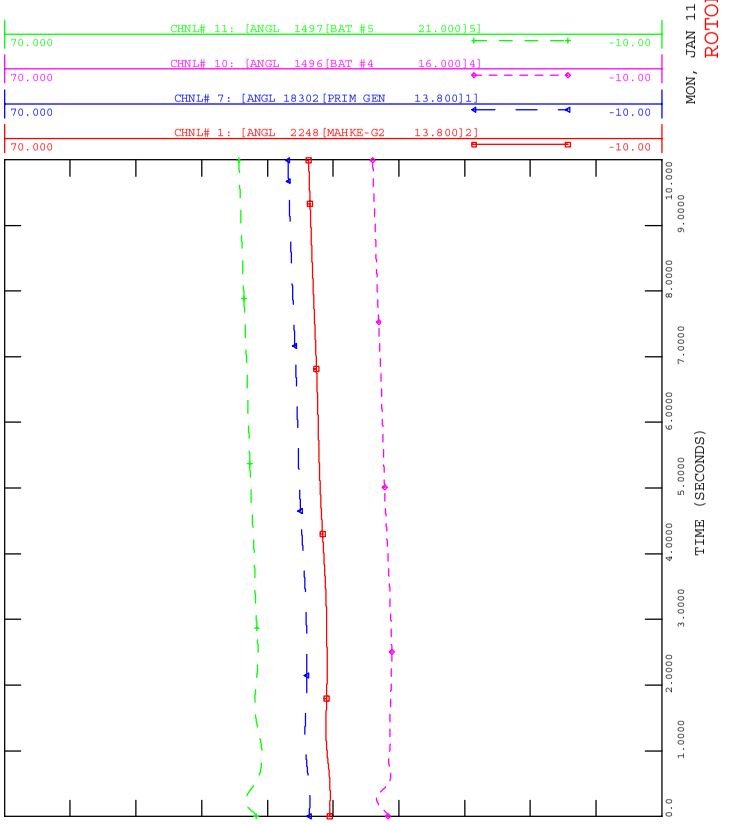


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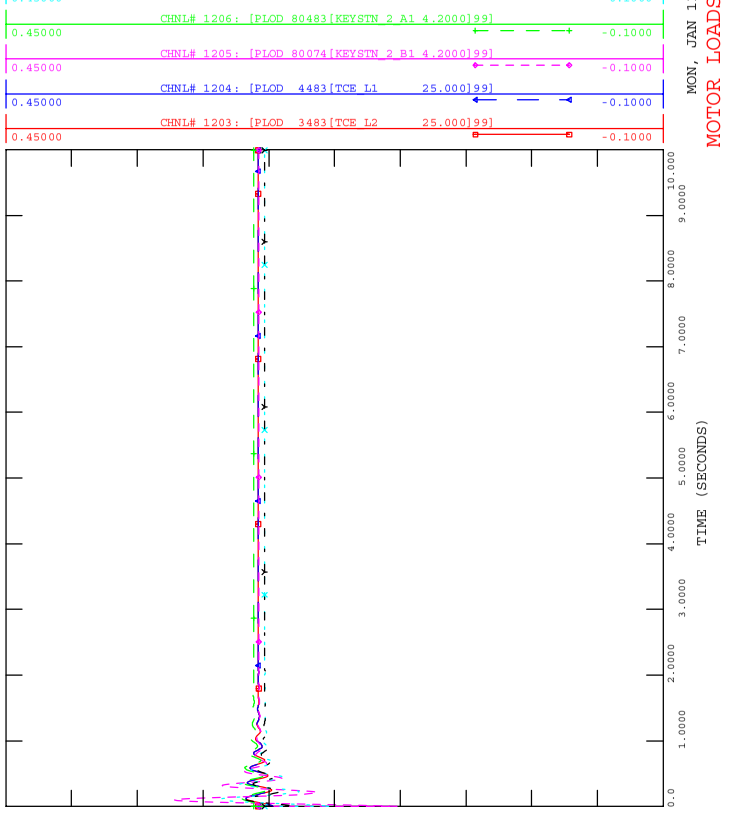


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:41

MOTOR LOADS GROUP I

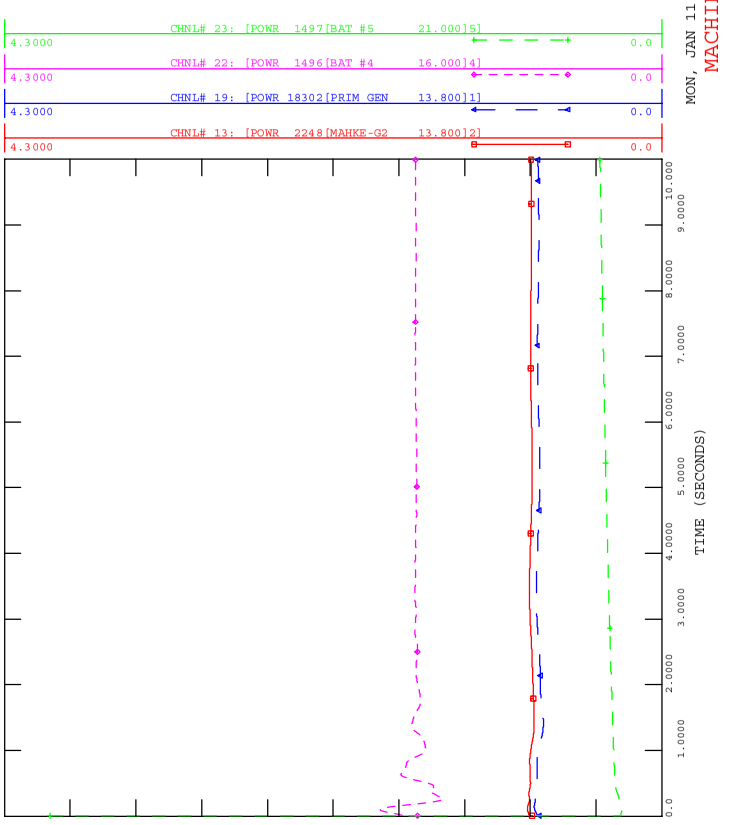


CENTRAL AREA STUDY
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FILE: D9-1Trip.out

MON, JAN 11 2010 8:43

MACHINE POWER

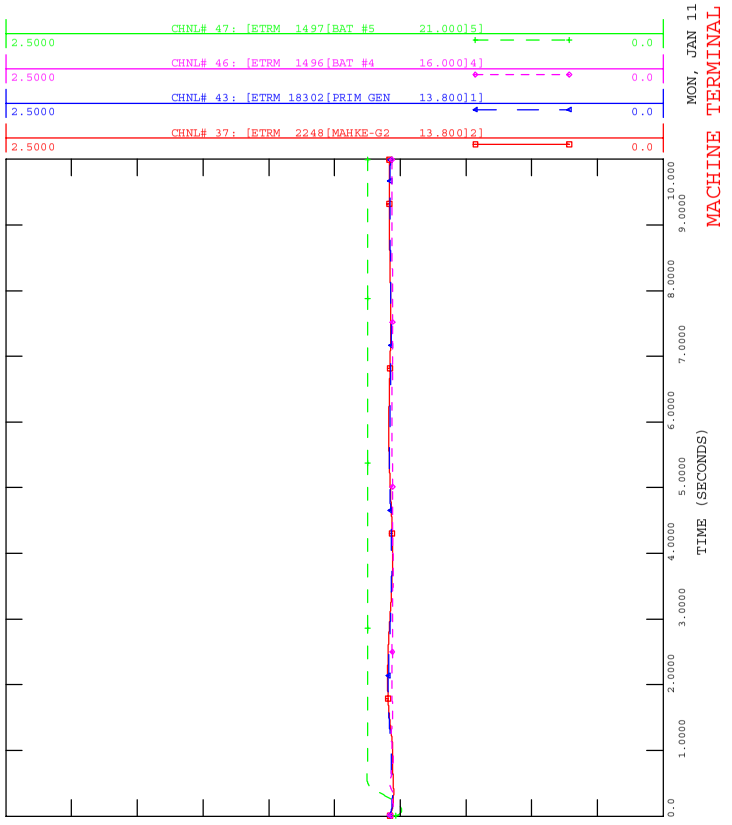


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D9-1Trip.out

MON, JAN 11 2010 8:43

MACHINE TERMINAL VOLTAGE

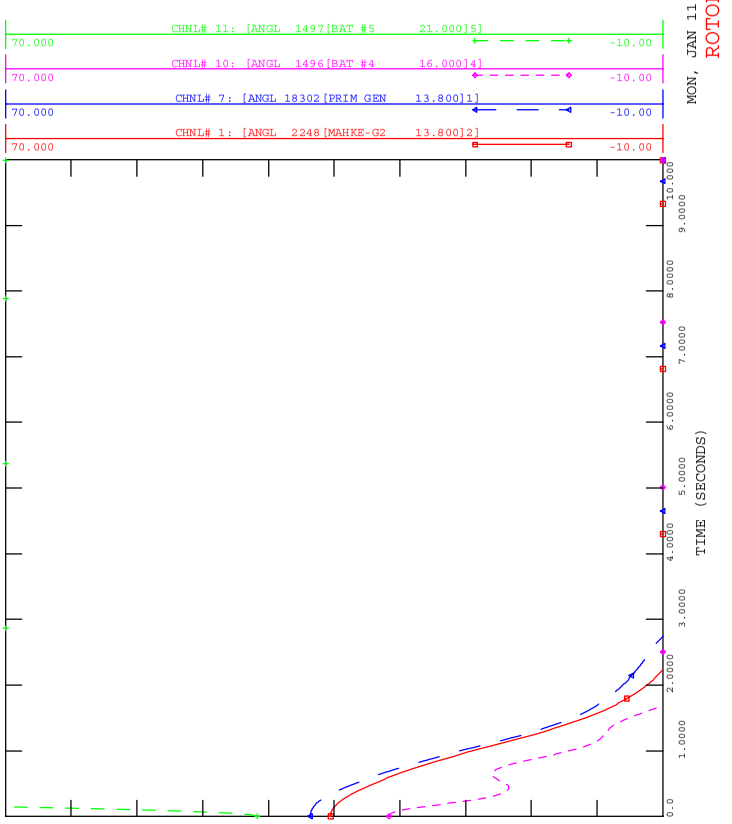


CENTRAL AREA STUDY
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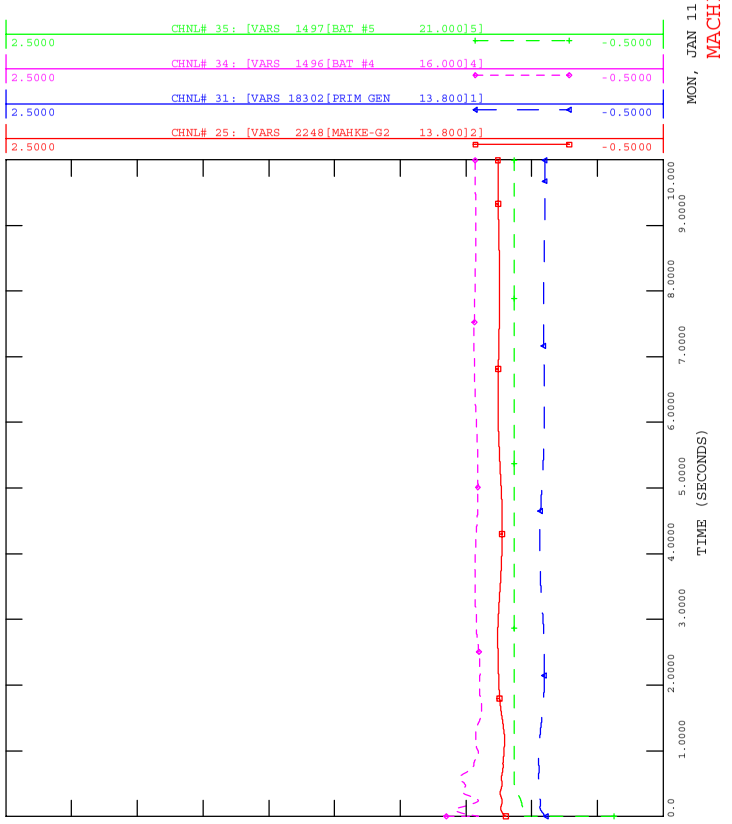


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:43

MACHINE VARS

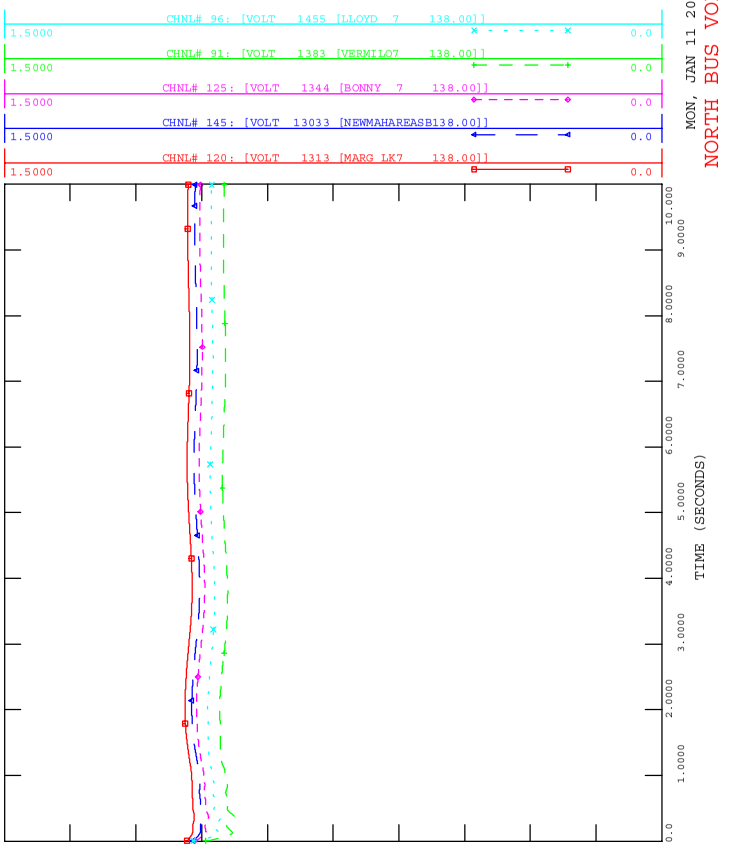


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:43

NORTH BUS VOLTAGES

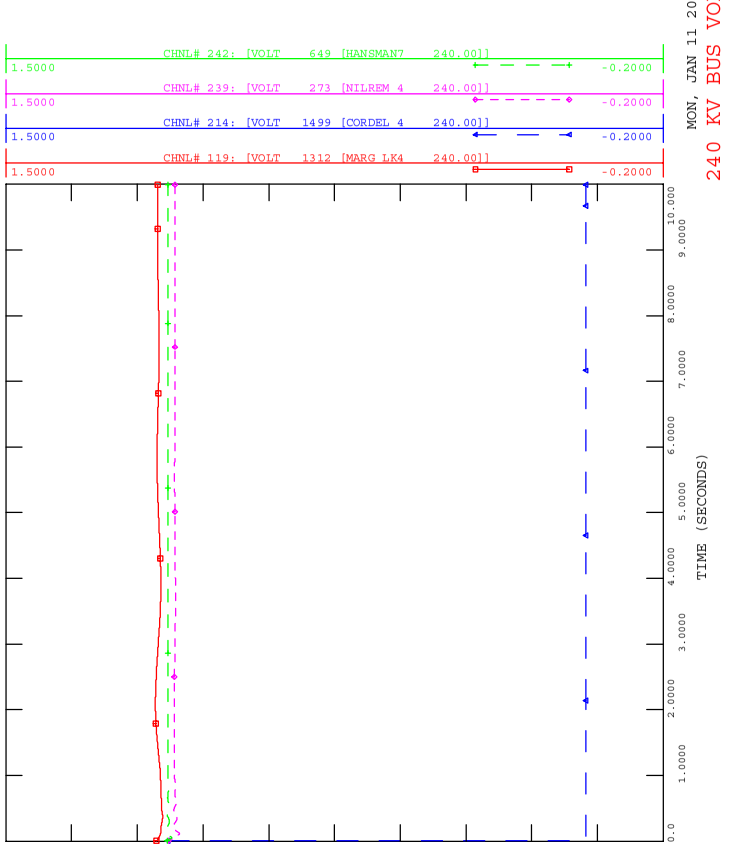


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D9-1Trip.out

MON, JAN 11 2010 8:43

240 KV BUS VOLTAGES

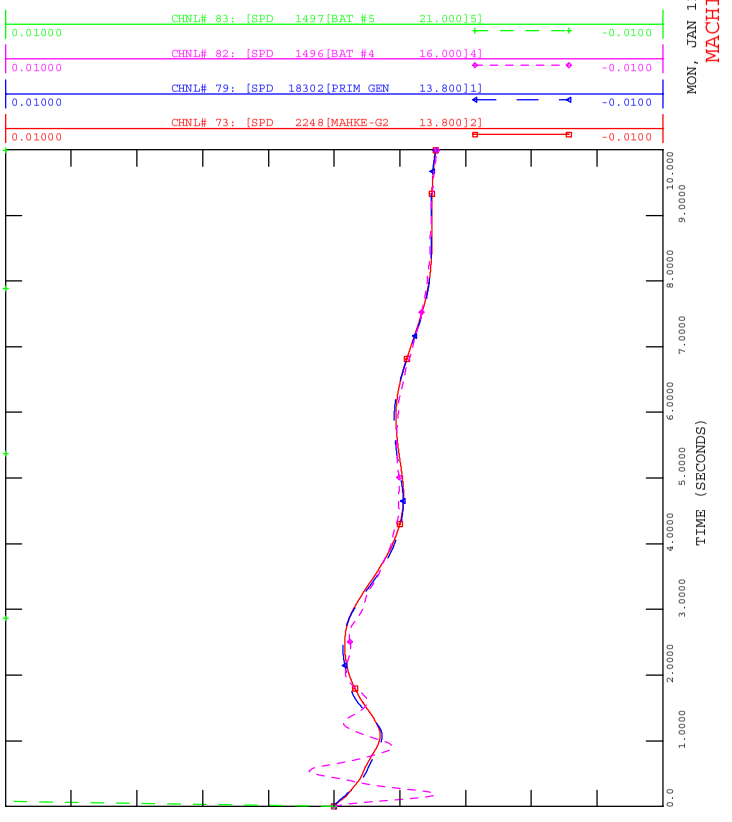


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:43

MACHINE SPEED

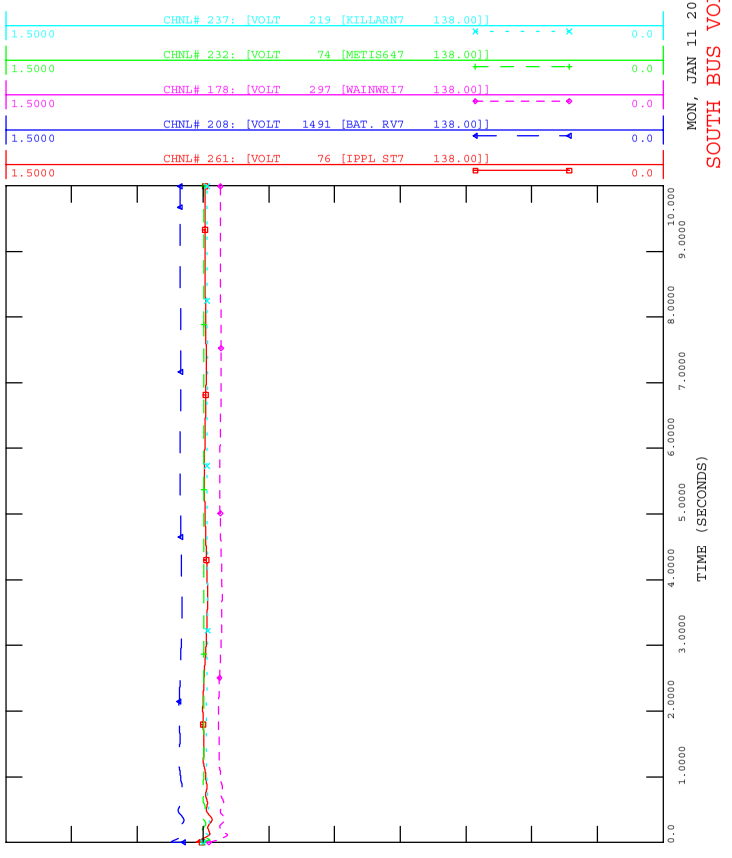


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:43

SOUTH BUS VOLTAGES

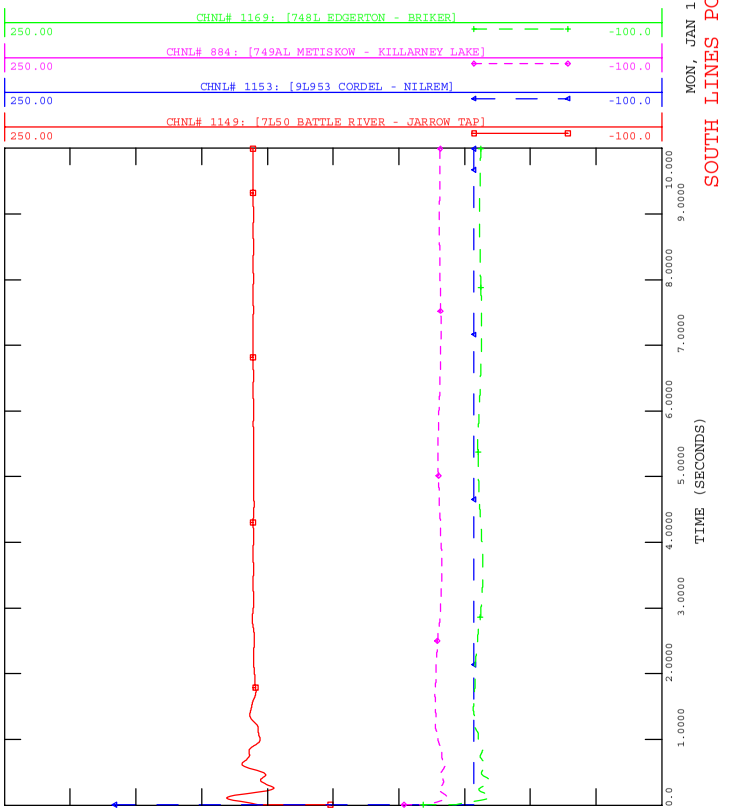


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:43

SOUTH LINES POWER FLOW

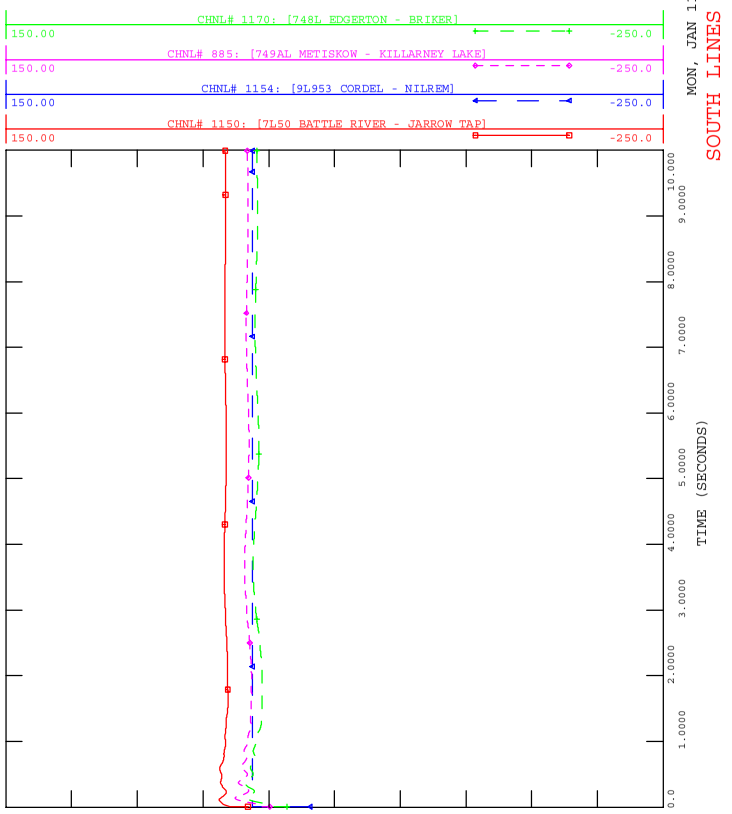


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:43

SOUTH LINES VAR FLOW

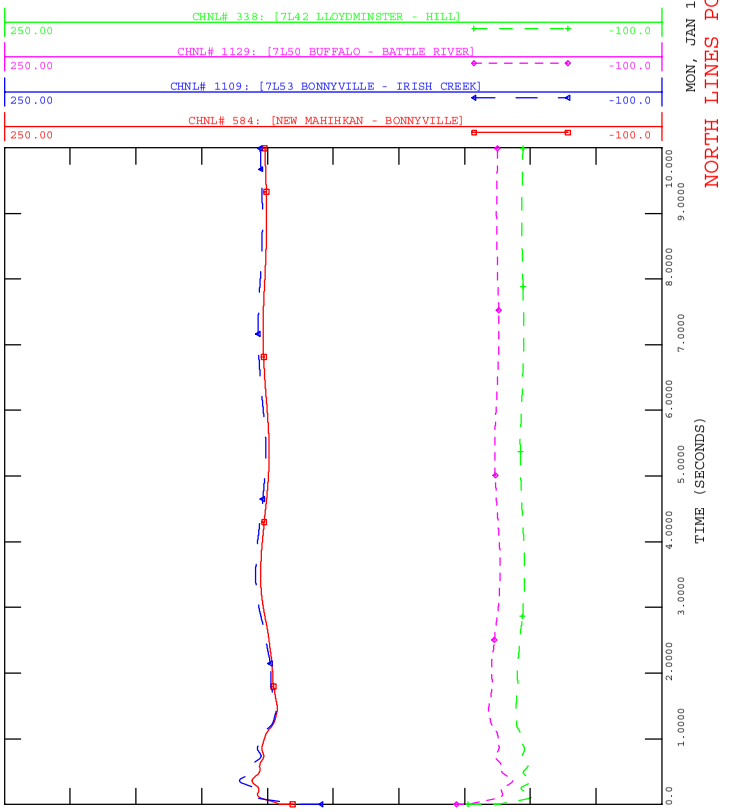


CENTRAL AREA STUDY
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NORTH LINES POWER FLOW

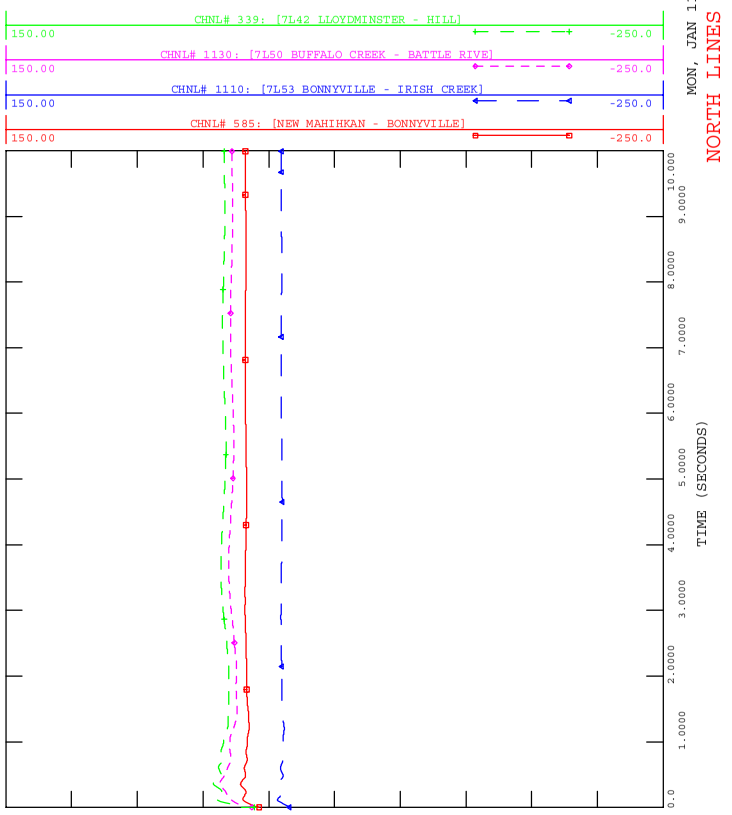


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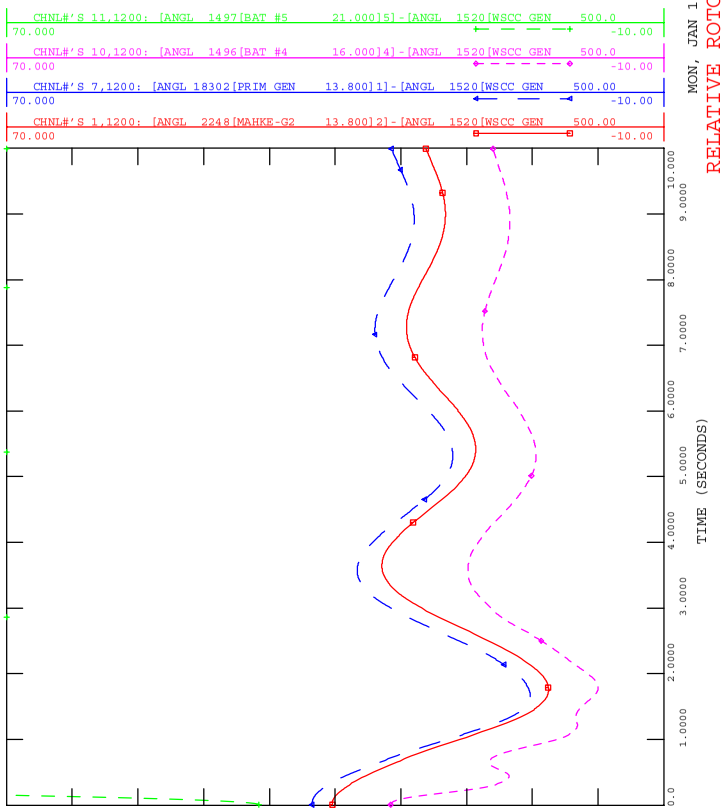
NORTH LINES VAR FLOW



CENTRAL AREA STUDY
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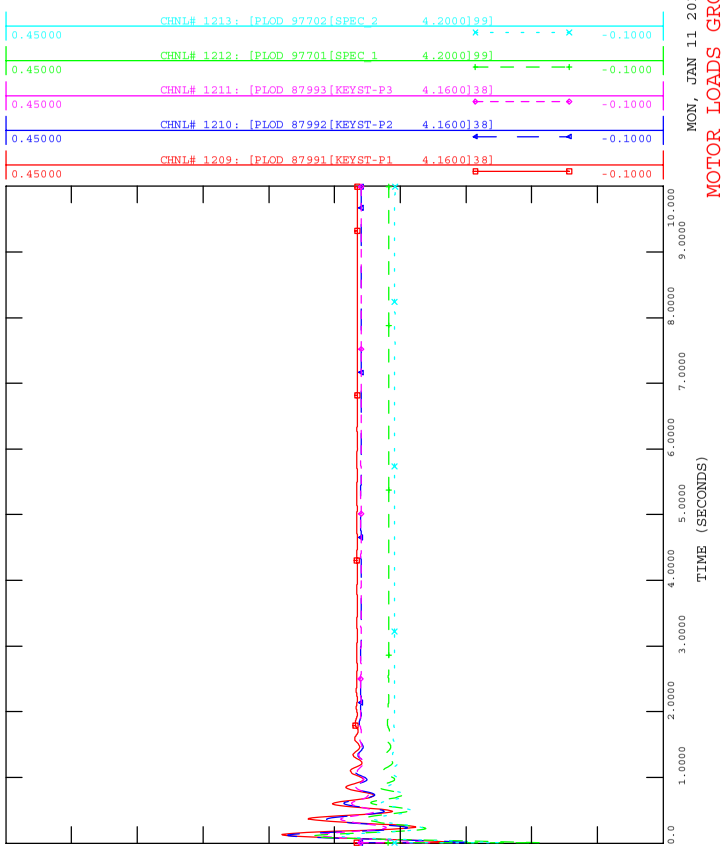


RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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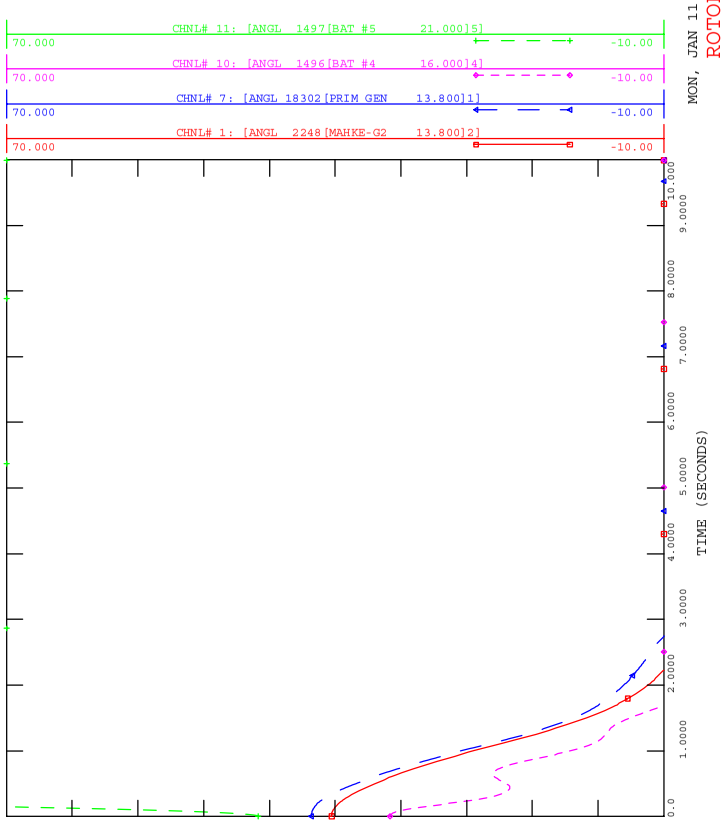


MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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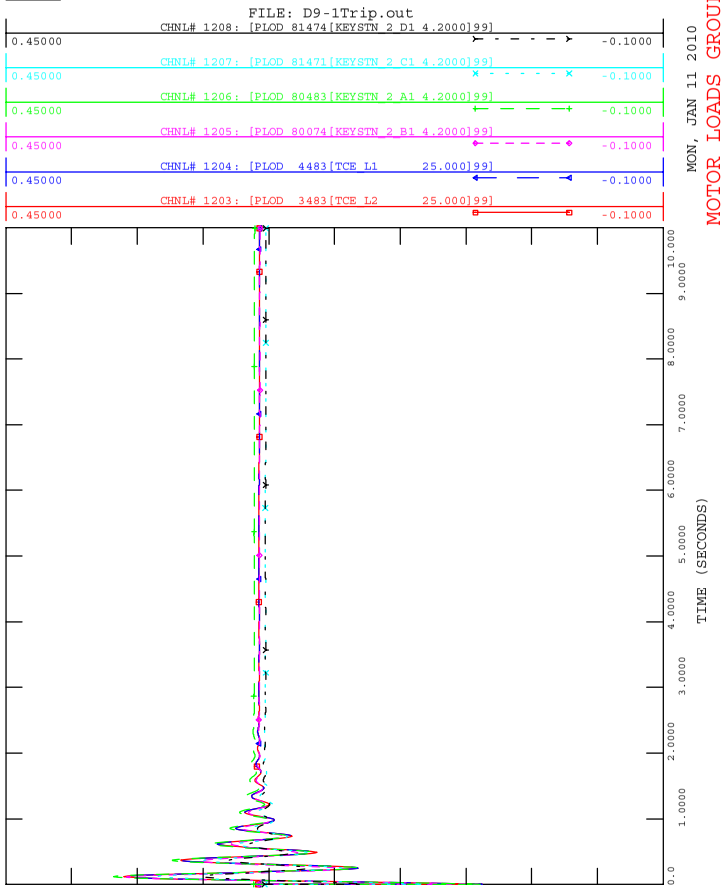


ROTOR ANGLES

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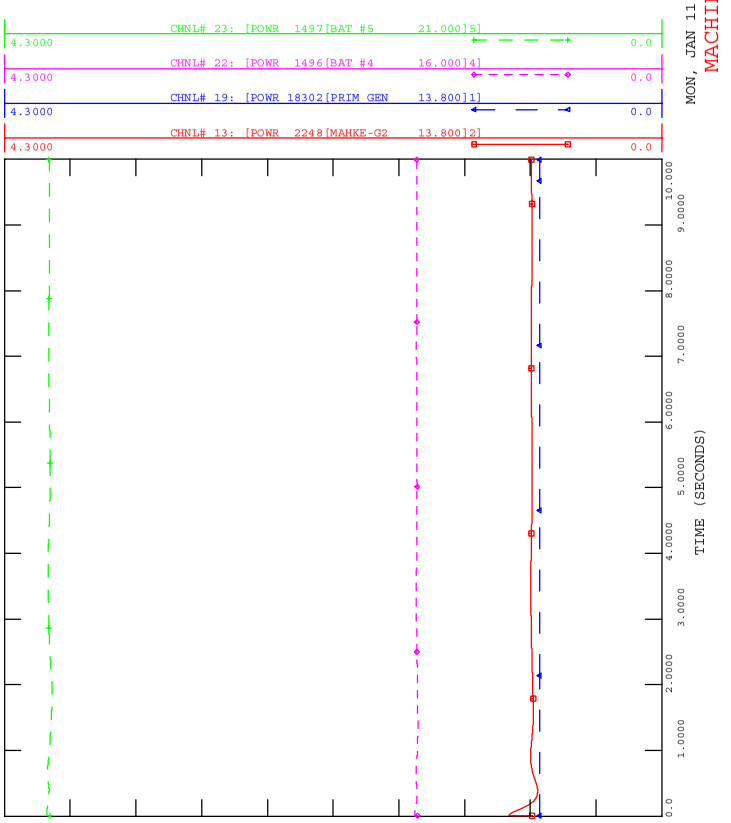
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
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MON, JAN 11 2010 8:20

MACHINE POWER

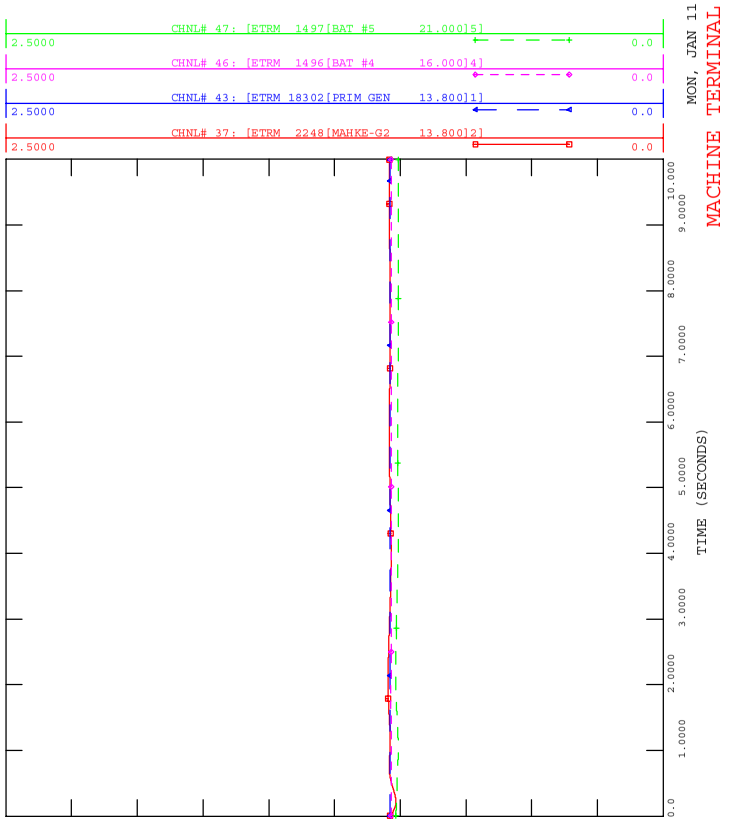


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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MON, JAN 11 2010 8:20

MACHINE TERMINAL VOLTAGE

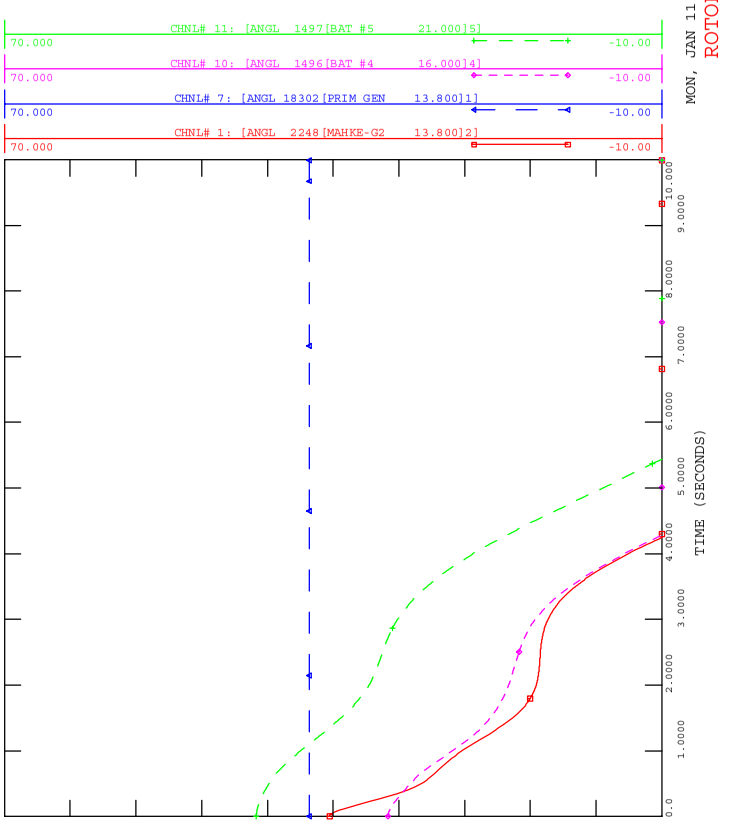


CENTRAL AREA STUDY
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ROTOR ANGLES

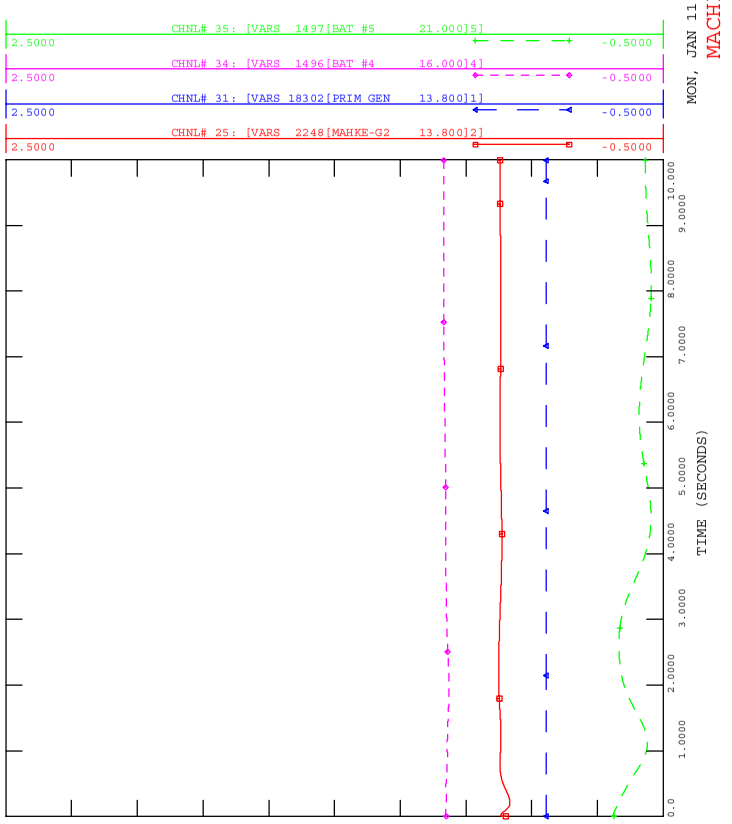


CENTRAL AREA STUDY
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MON, JAN 11 2010 8:20

MACHINE VARS

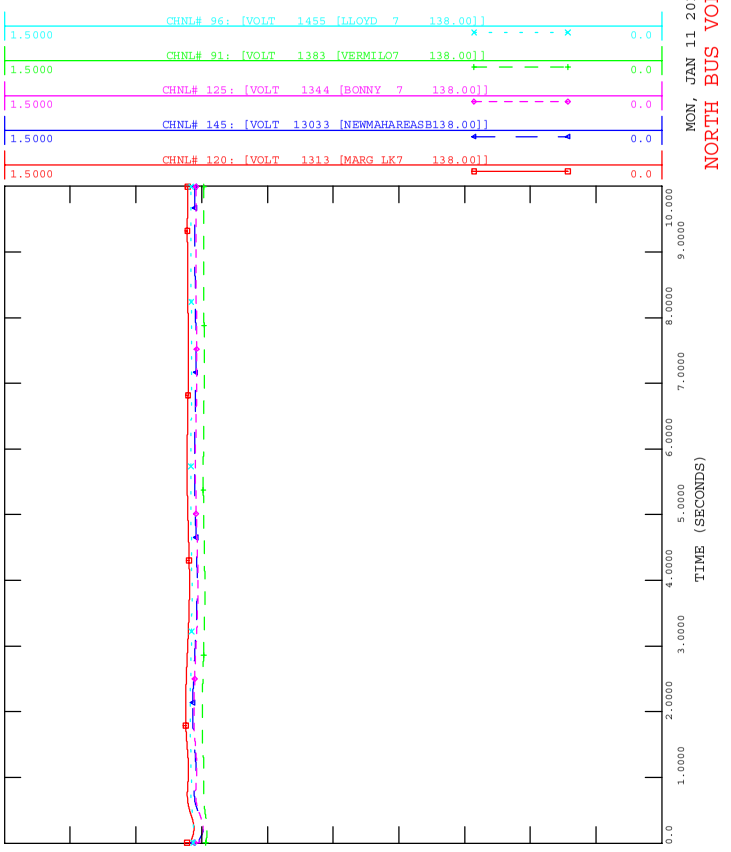


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NORTH BUS VOLTAGES

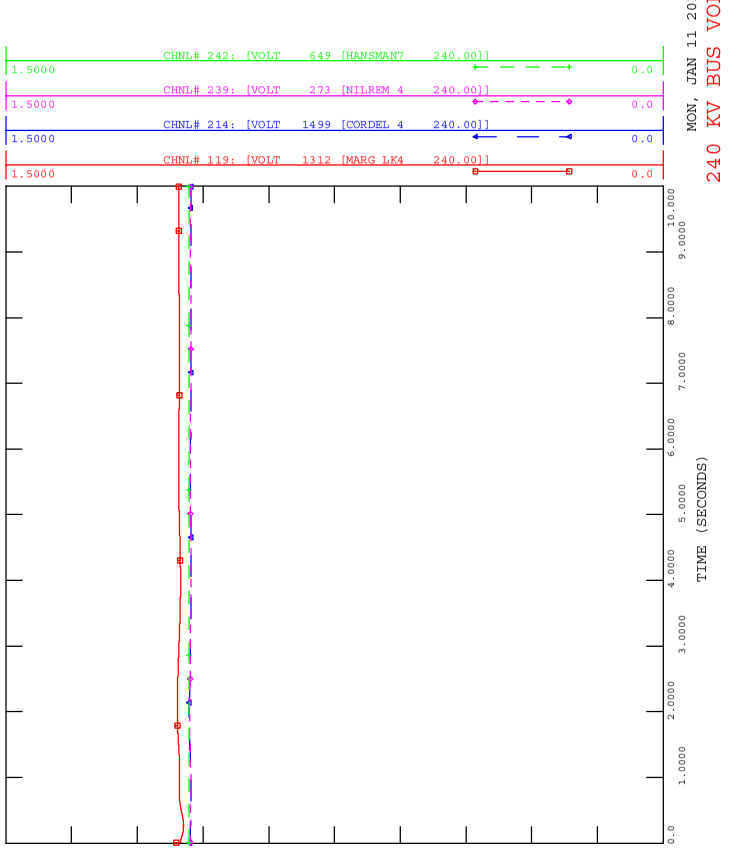


CENTRAL AREA STUDY
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240 KV BUS VOLTAGES

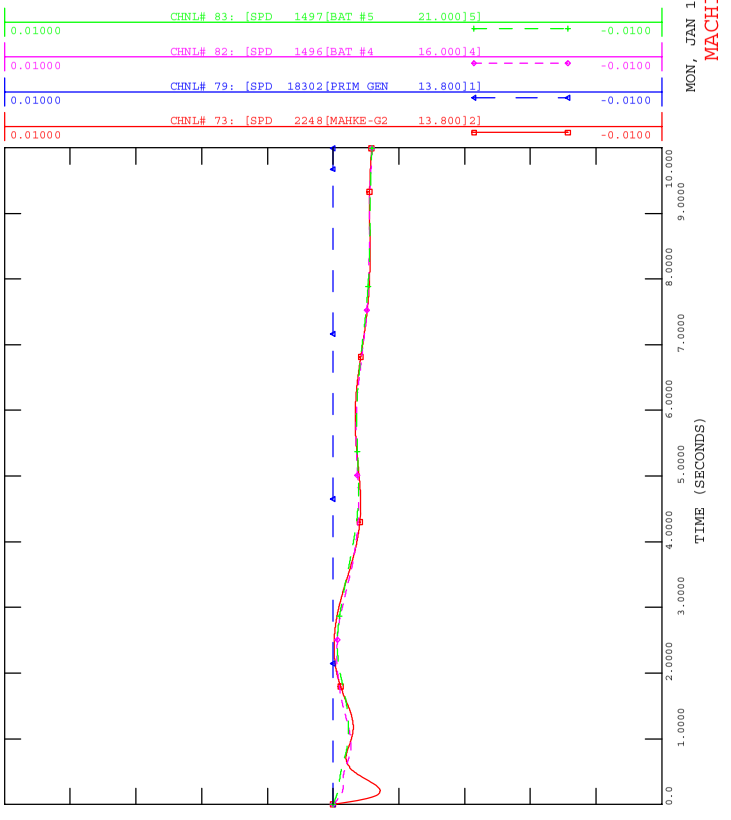


CENTRAL AREA STUDY
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MACHINE SPEED

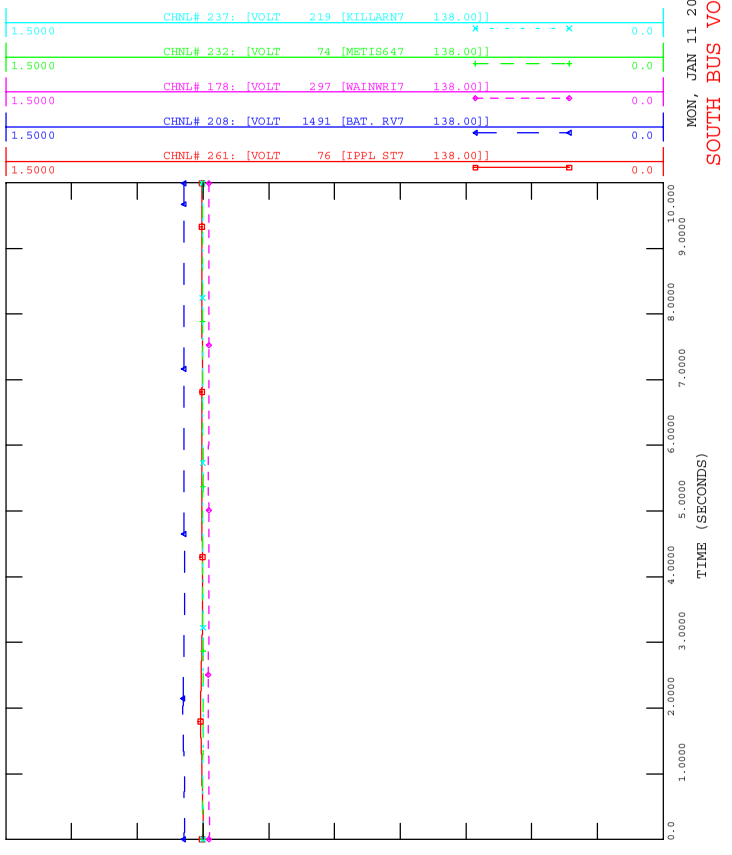


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SOUTH BUS VOLTAGES

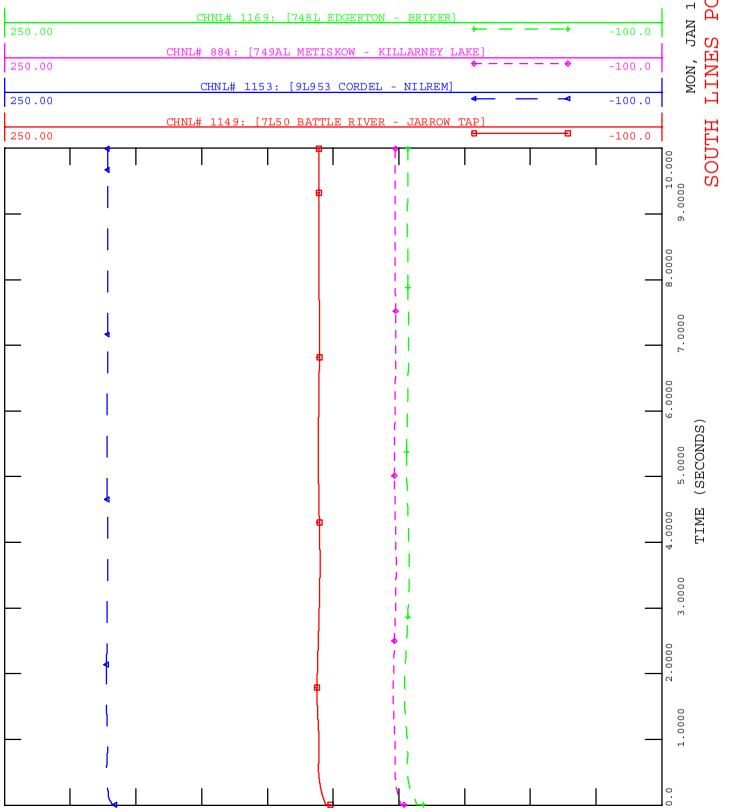


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MON, JAN 11 2010 8:20

SOUTH LINES POWER FLOW

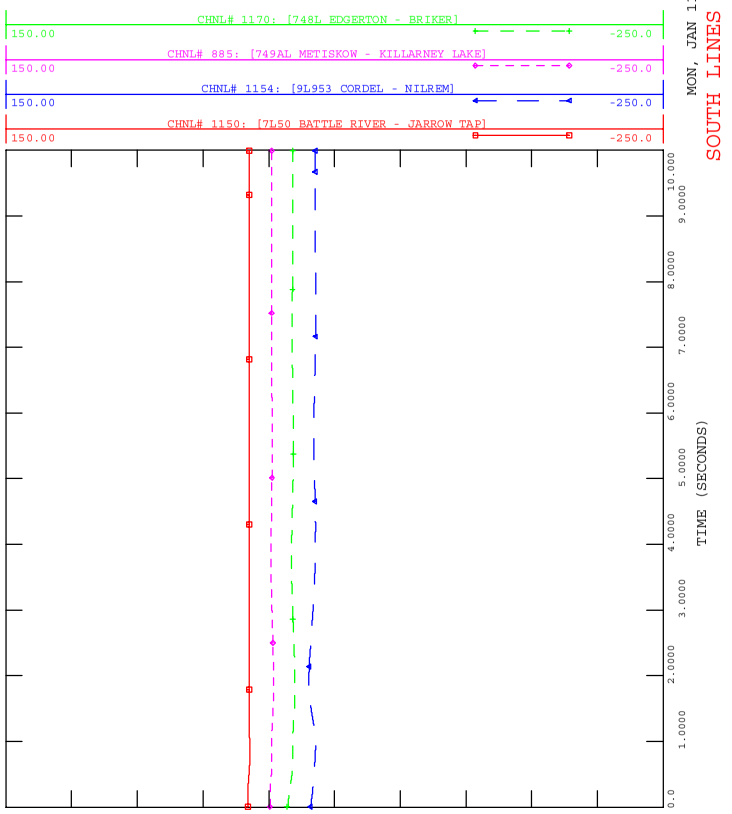


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SOUTH LINES VAR FLOW

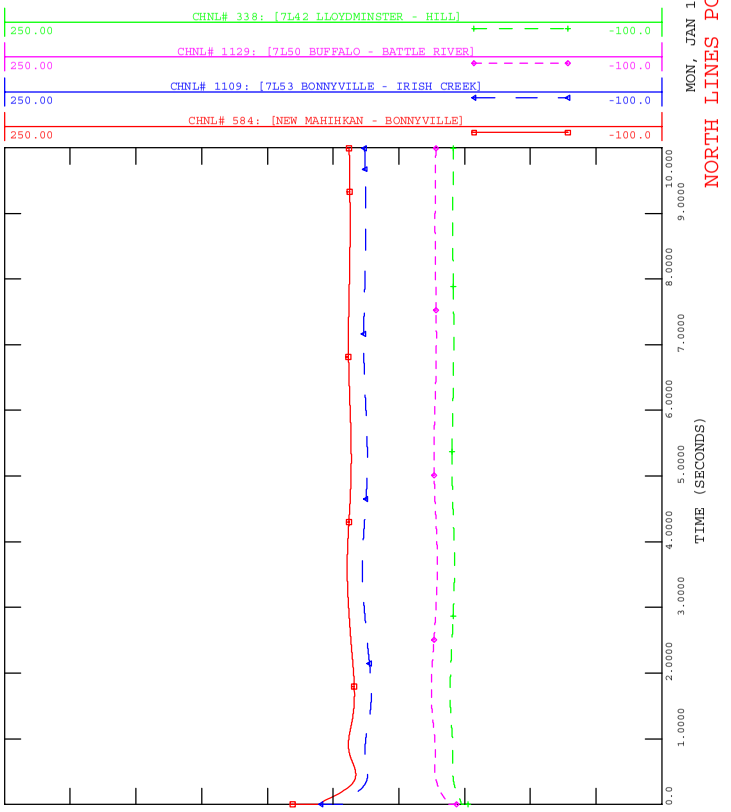


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NORTH LINES POWER FLOW

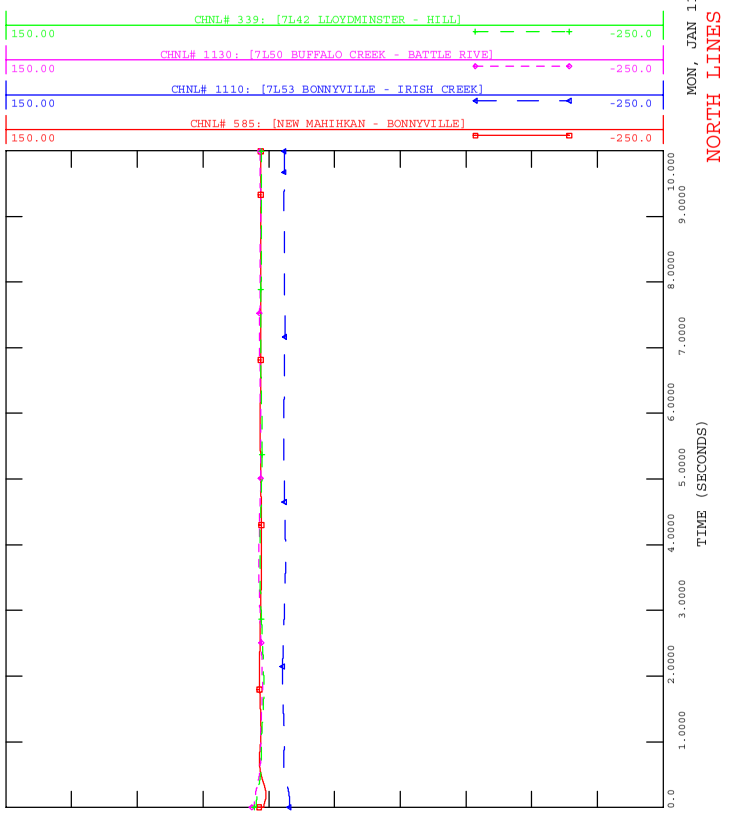


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NORTH LINES VAR FLOW

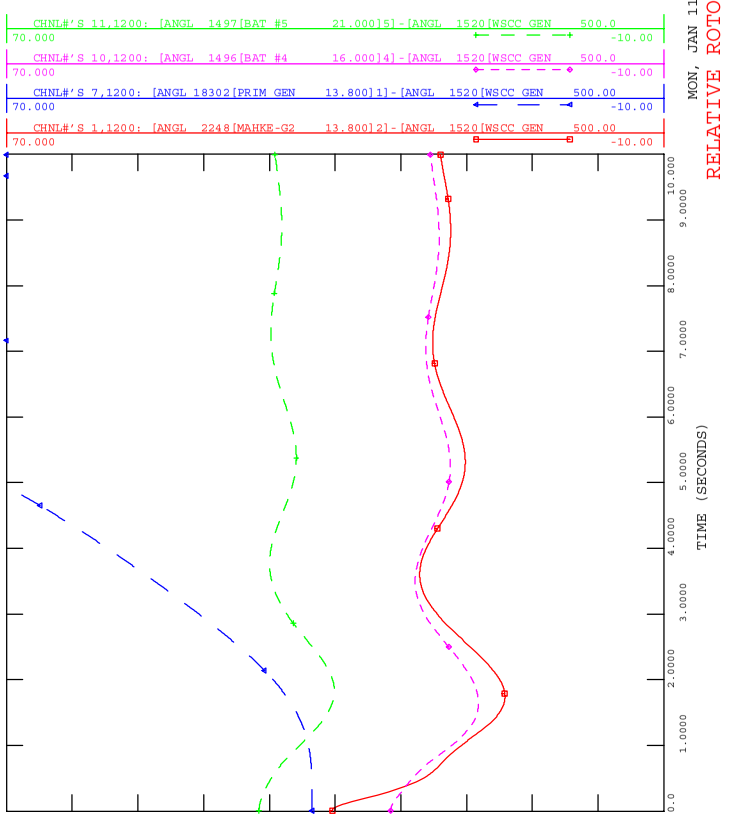


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RELATIVE ROTOR ANGLES

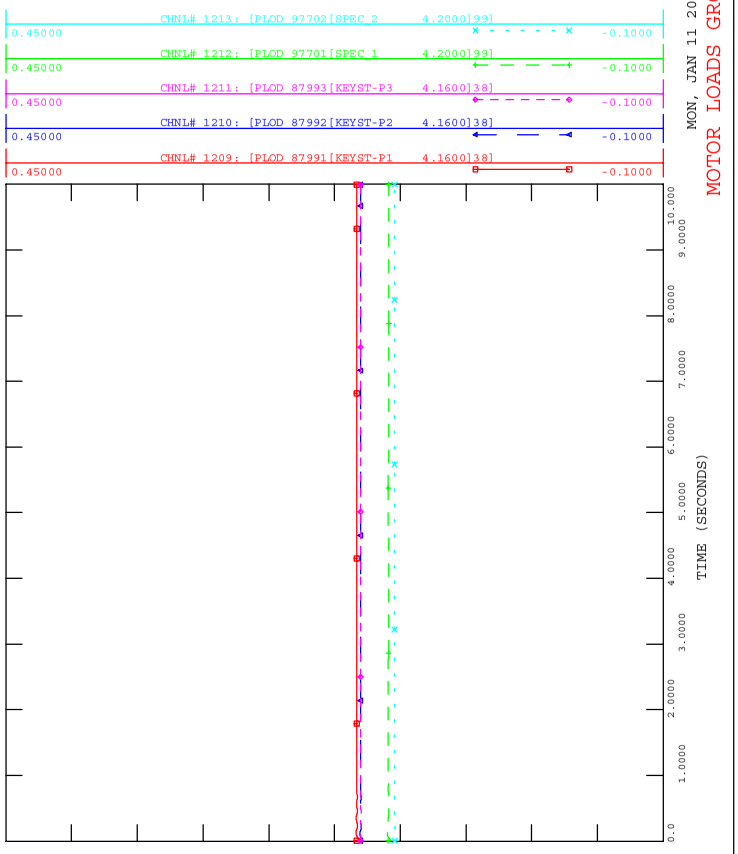


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MOTOR LOADS GROUP II

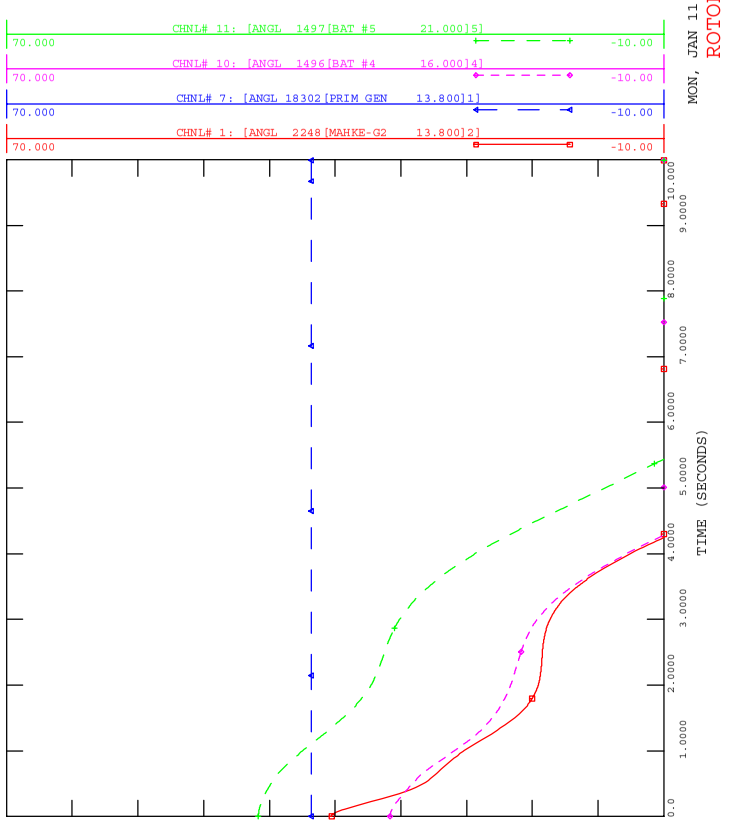


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ROTOR ANGLES

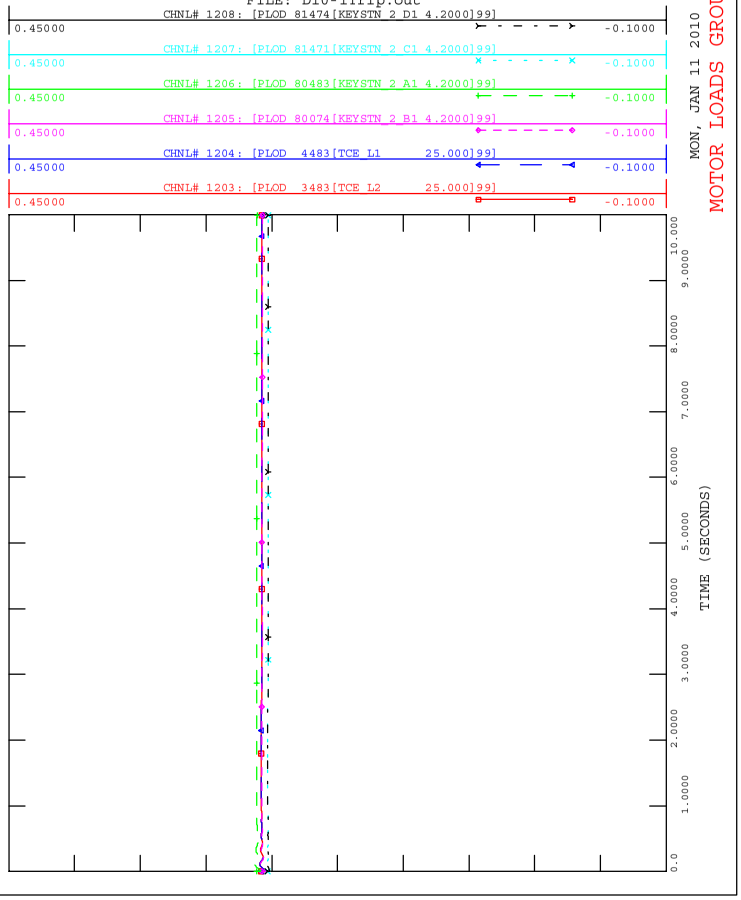


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MOTOR LOADS GROUP I

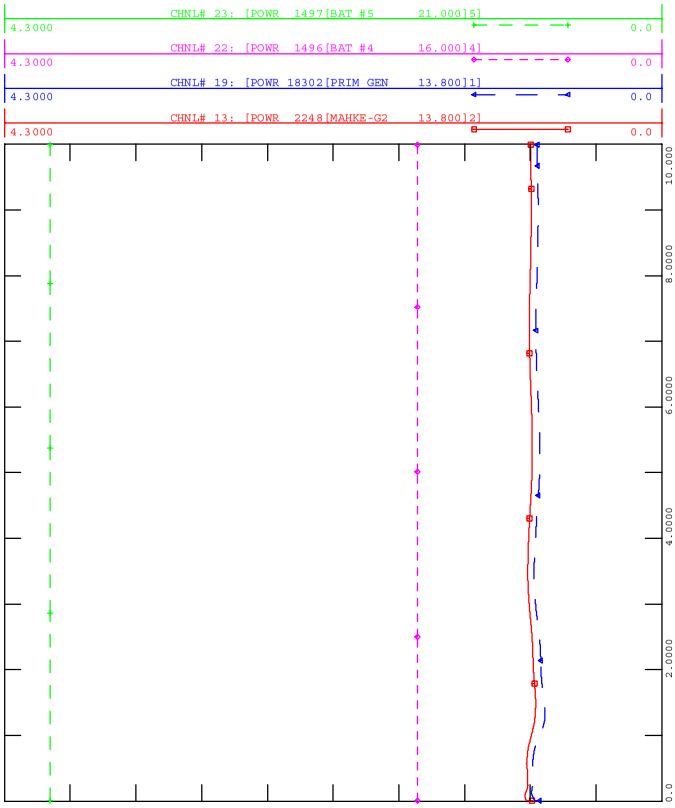


CENTRAL AREA STUDY
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THU, DEC 24 2009 11:51

MACHINE POWER

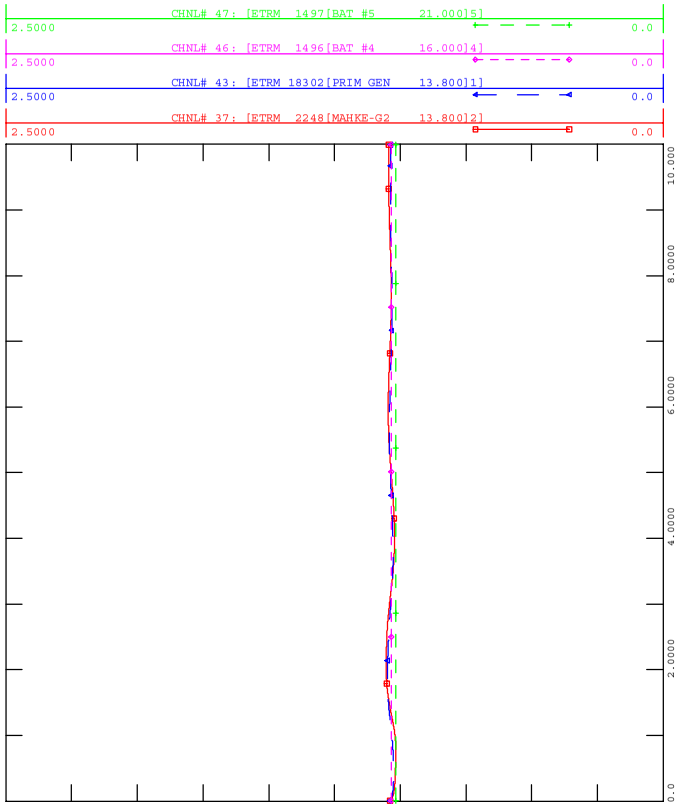


CENTRAL AREA STUDY
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MACHINE TERMINAL VOLTAGE

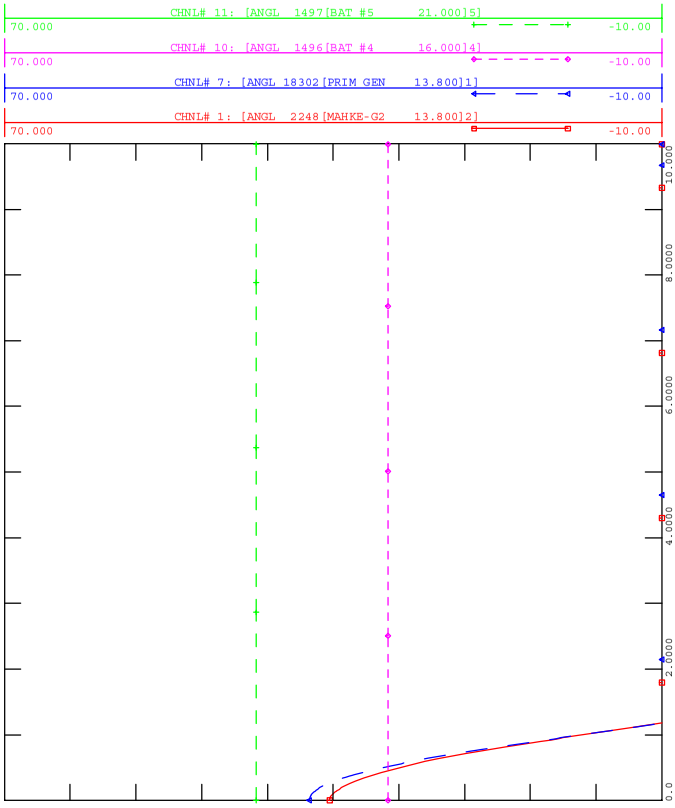


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ROTOR ANGLES

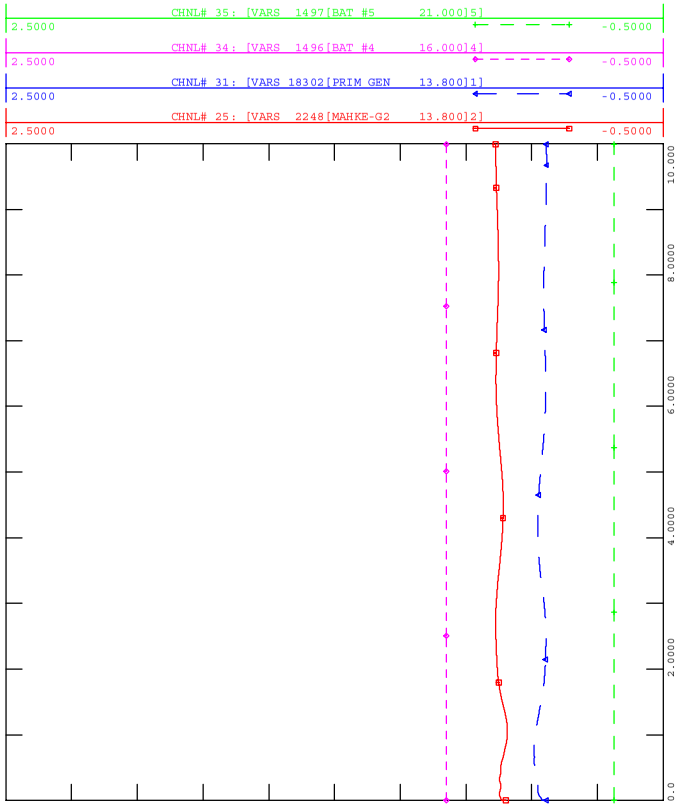


CENTRAL AREA STUDY
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MACHINE VARS

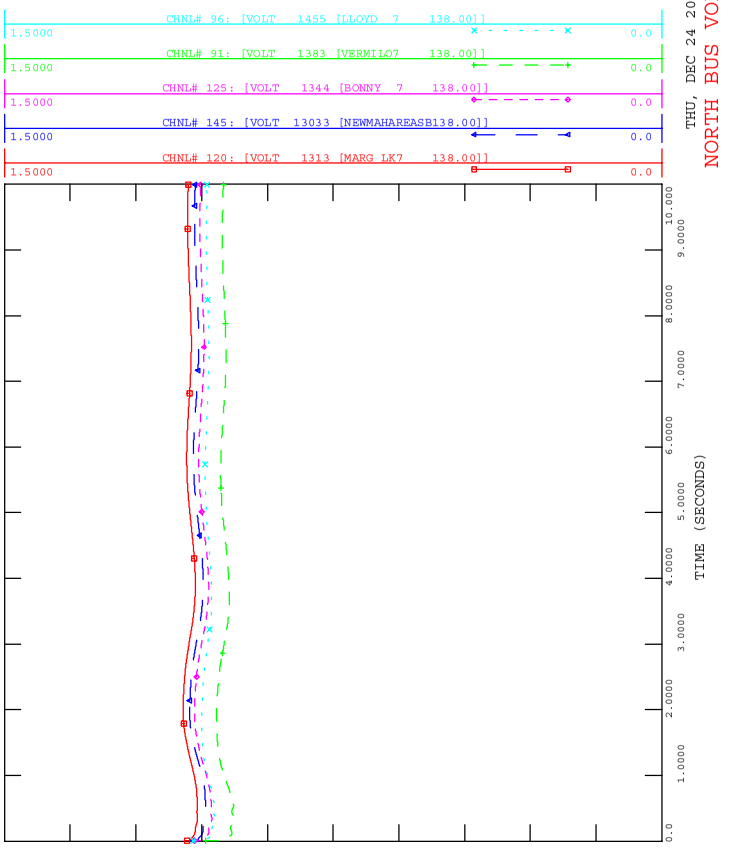


CENTRAL AREA STUDY
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NORTH BUS VOLTAGES

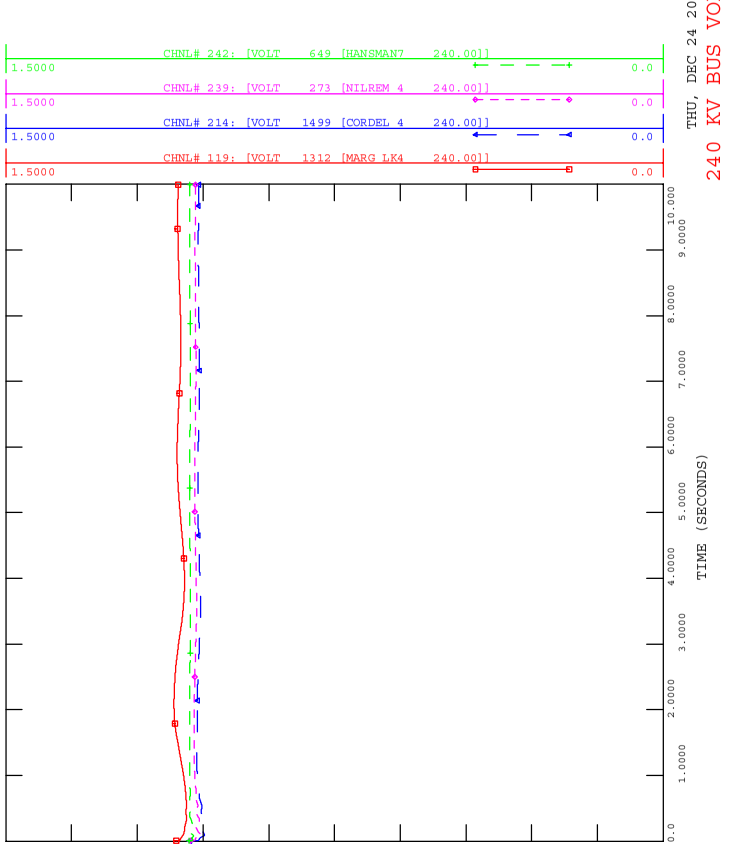


CENTRAL AREA STUDY
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240 KV BUS VOLTAGES

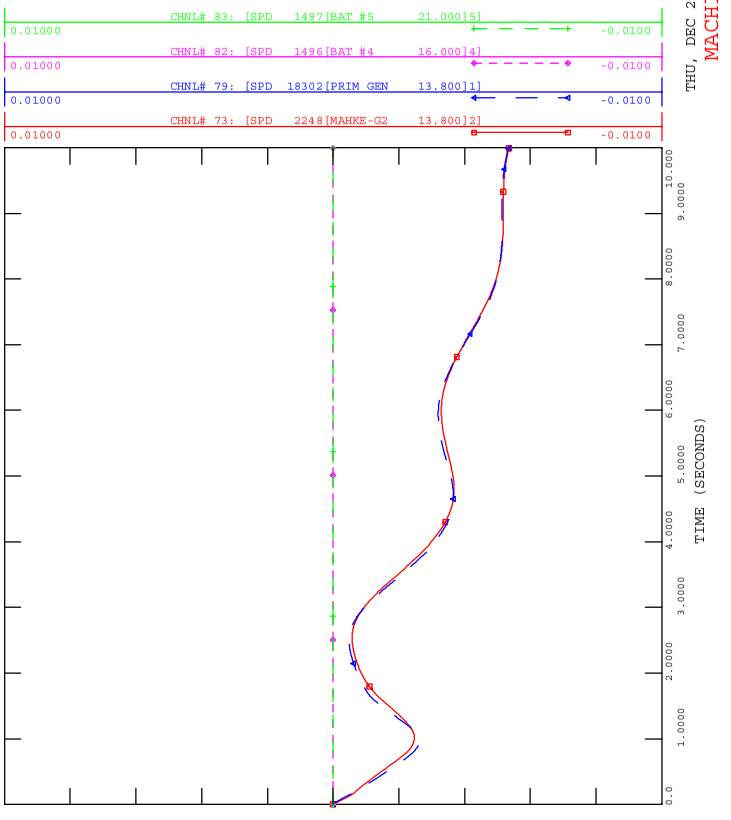


CENTRAL AREA STUDY
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MACHINE SPEED

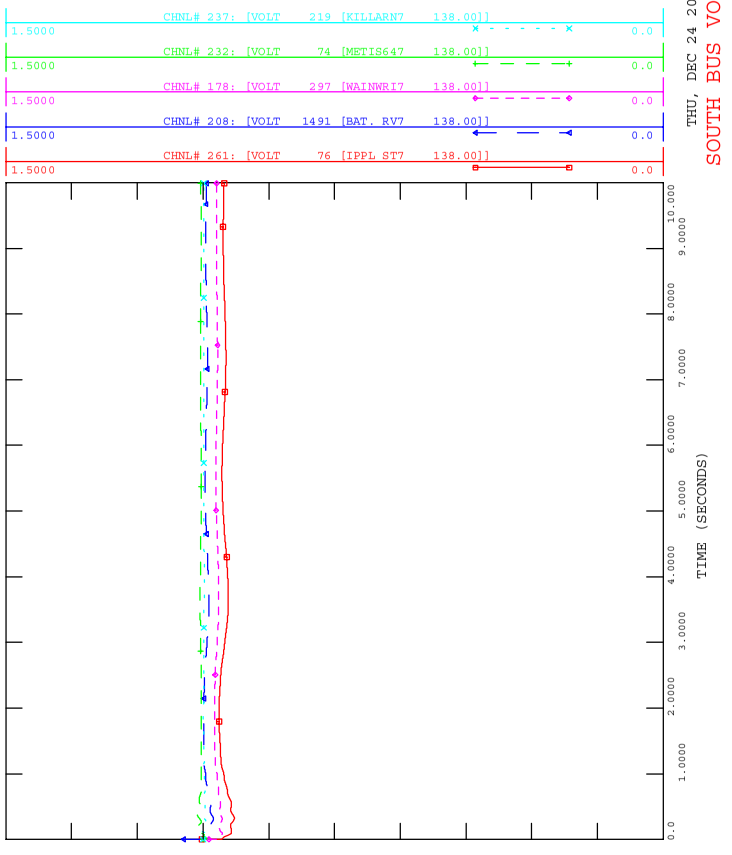


CENTRAL AREA STUDY
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SOUTH BUS VOLTAGES



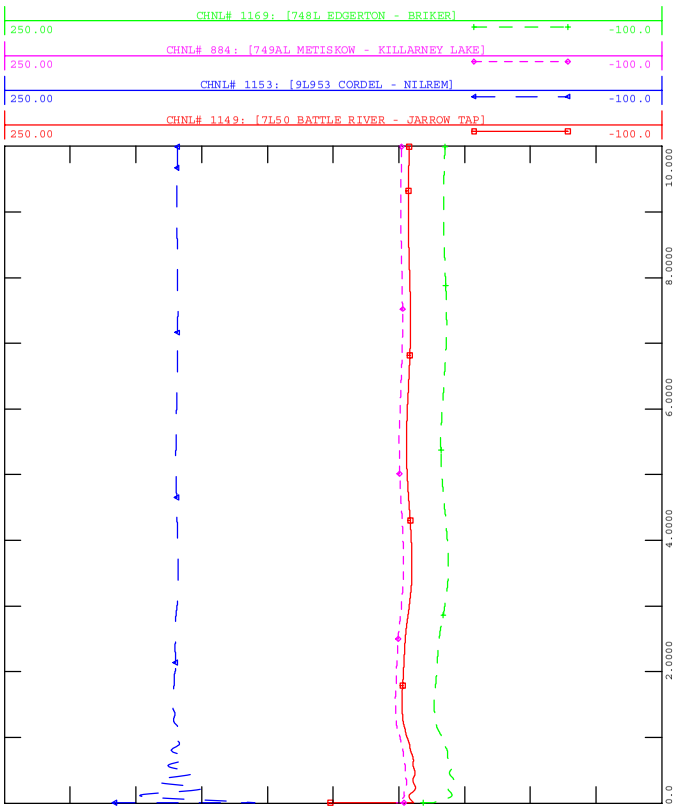
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D10-2Trip.out

THU, DEC 24 2009 11:51

SOUTH LINES POWER FLOW

CHNL# 1169: [748L EDGERTON - BRIKER]
CHNL# 884: [749AL METISKOW - KILLARNEY LAKE]
CHNL# 1153: [9L953 CORDEL - NILREM]
CHNL# 1149: [7L50 BATTLE RIVER - JARROW TAP]



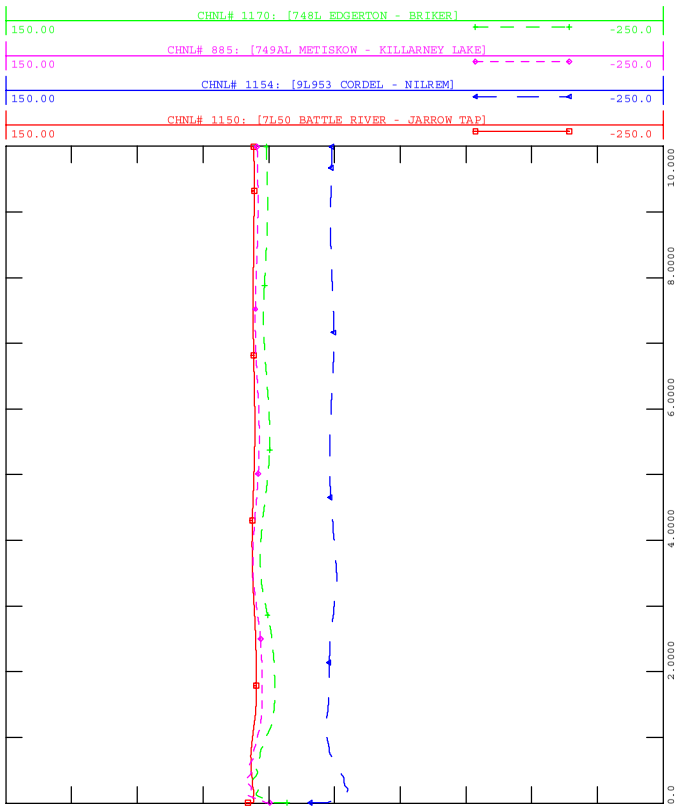
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D10-2Trip.out

THU, DEC 24 2009 11:51

SOUTH LINES VAR FLOW

CHNL# 1170: [748L EDGERTON - BRIKER]
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
CHNL# 1154: [9L953 CORDEL - NILREM]
CHNL# 1150: [7L50 BATTLE RIVER - JARROW TAP]



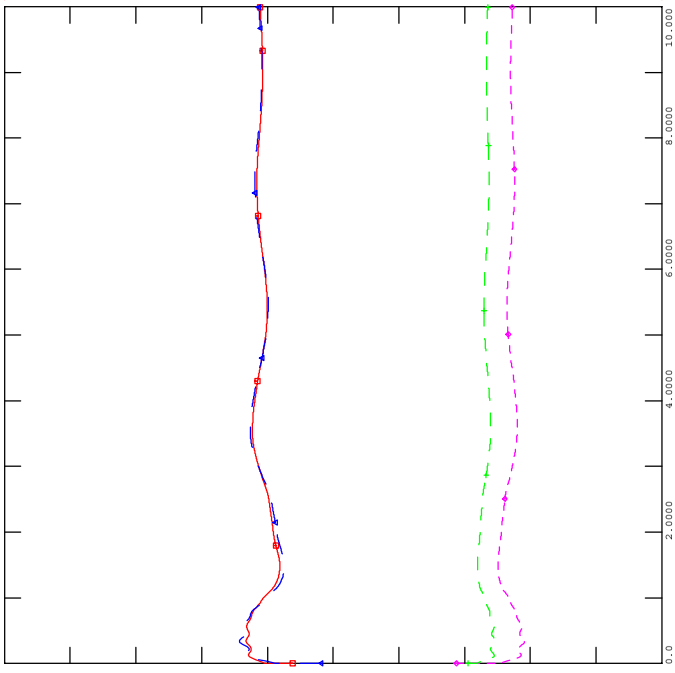
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D10-2Trip.out

THU, DEC 24 2009 11:51

NORTH LINES POWER FLOW

CHNL# 338: [7L42 LLOYDMINSTER - HILL]
CHNL# 1129: [7L50 BUFFALO - BATTLE RIVER]
CHNL# 1109: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 584: [NEW MAHIHKAN - BONNYVILLE]



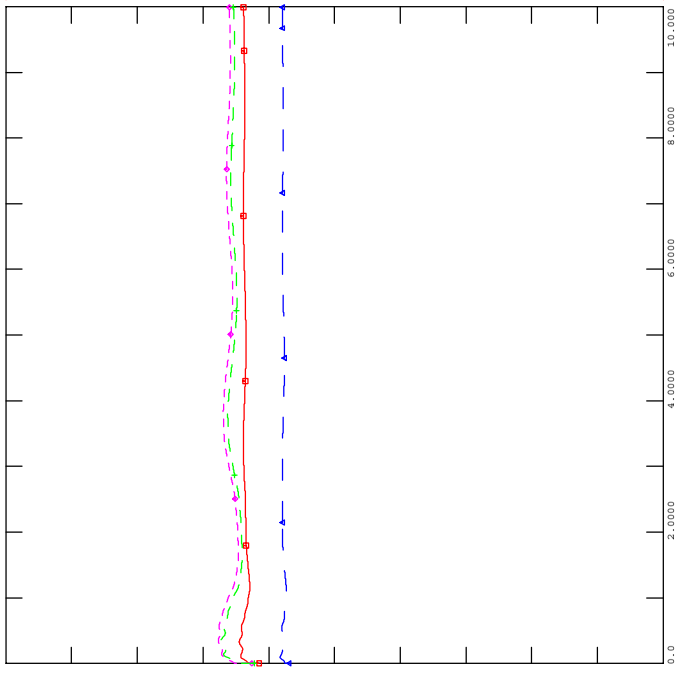
CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D10-2Trip.out

THU, DEC 24 2009 11:51

NORTH LINES VAR FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
CHNL# 1130: [7L50 BUFFALO CREEK - BATTLE RIVE]
CHNL# 1110: [7L53 BONNYVILLE - IRISH CREEK]
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE]

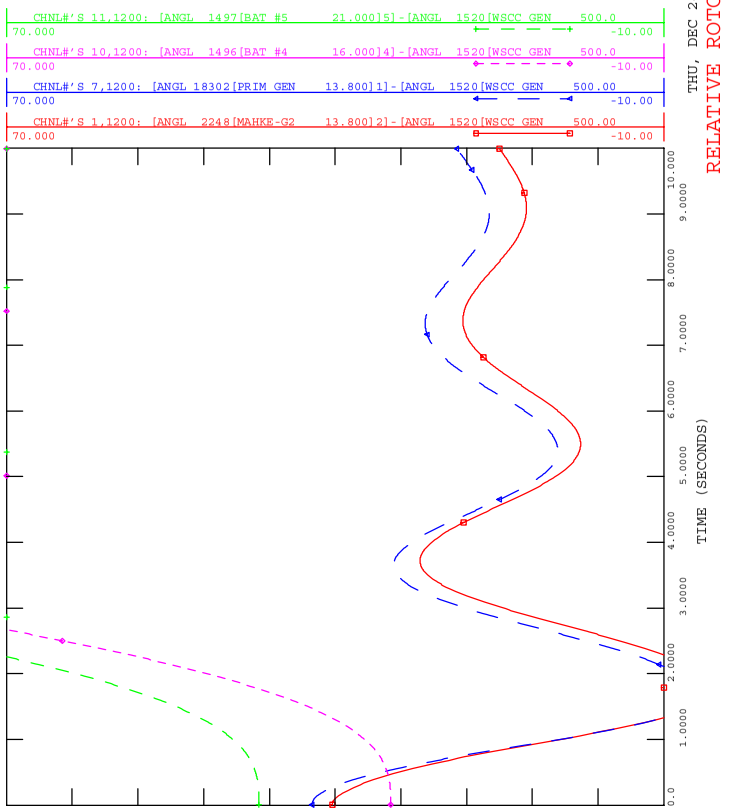


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2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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THU, DEC 24 2009 11:51

RELATIVE ROTOR ANGLES

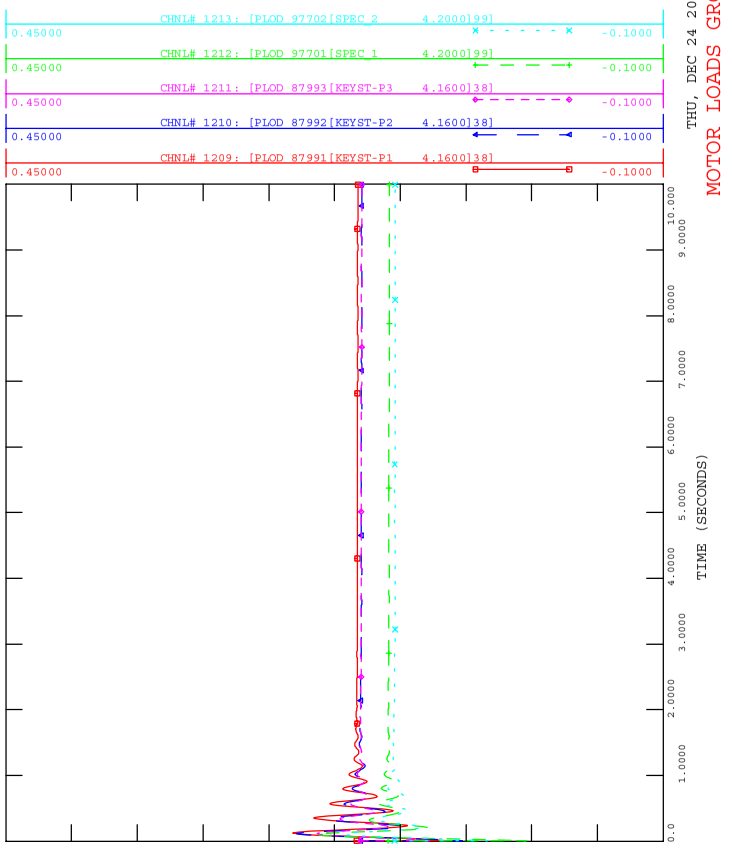


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D10-2Trip.out

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MOTOR LOADS GROUP II

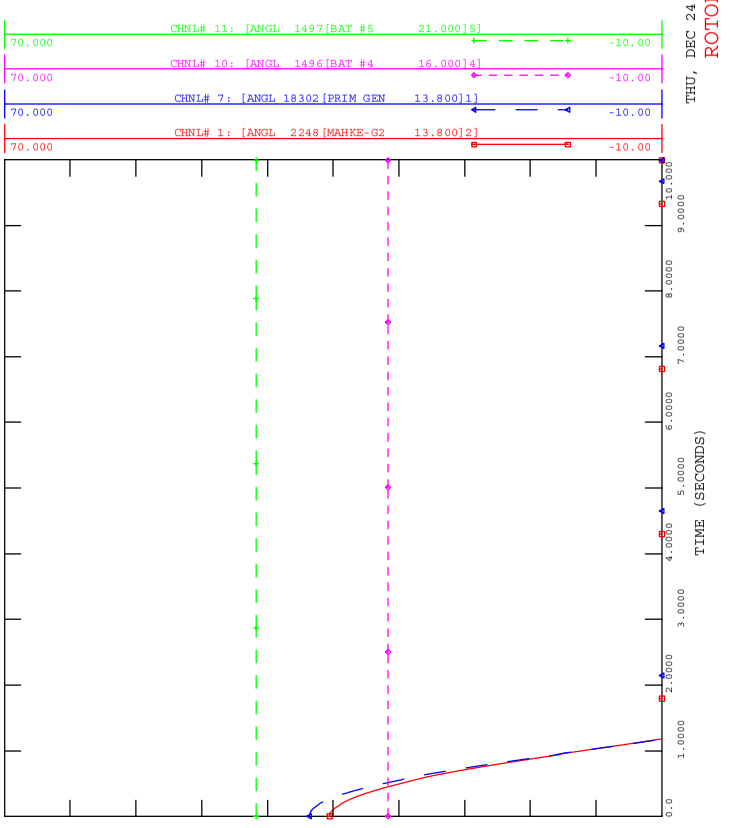


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

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ROTOR ANGLES

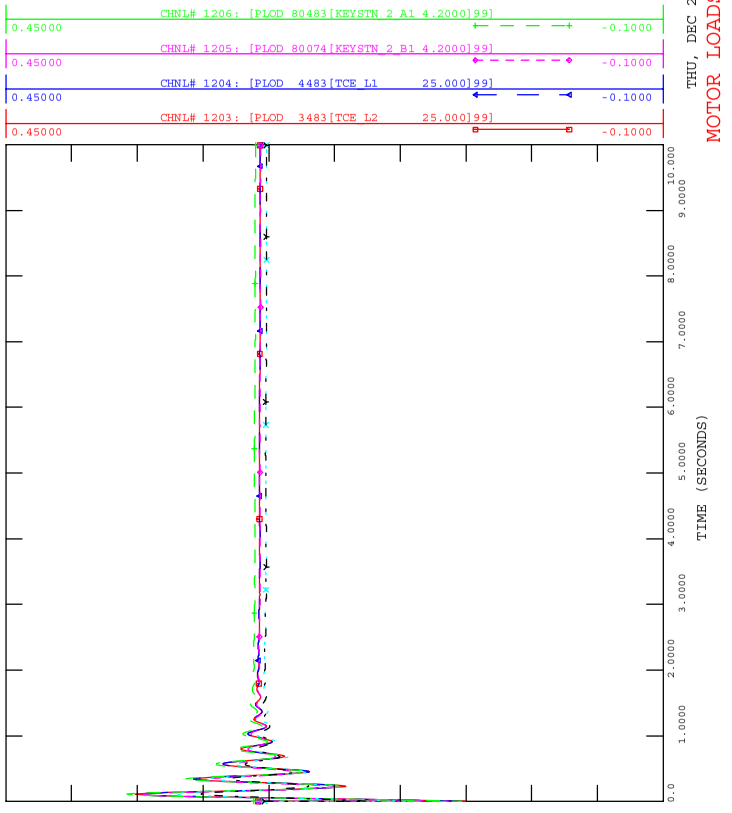


CENTRAL AREA STUDY
2012 WINTER PEAK BASE CASE REVISION 7.2.1 *LOAD CHANGE IN P

FILE: D10-2Trip.out

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MOTOR LOADS GROUP I



Dynamic Stability Plots

2012 Summer Light

Summary of Results

Table - 1 2012 Summer Light Load Category B Contingencies

Case ID	Description	Observation
	Category B Faults	
B1	No B1 fault for 2012. Marguerite Lake -- New Mahihkan not in service until 2017.	
B2	New Mahihkan -- Bonnyville 144 kV line 3Ø fault 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable Good voltage recovery No load shedding
B3	Irish Creek -- Vermilion 144 kV line 3Ø fault 6 cycles: trip CB at Irish Creek 8 cycles: trip CB at Vermilion	System stable Good voltage recovery No load shedding
B4	Vermilion -- Buffalo Creek 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Buffalo Creek	System stable[1] Good voltage recovery No load shedding
B5	Buffalo Creek -- Battle River 7L50 kV line 3Ø fault 6 cycles: trip CB at Buffalo Creek 8 cycles: trip CB Battle River	System stable Good voltage recovery No load shedding
B6	Cordel -- Nilrem 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nilrem	System stable Good voltage recovery No load shedding
B7	Nevis -- Cordel 240 kV line 3Ø fault 5 cycles: trip CB at Nevis 6 cycles: trip CB at Cordel	System stable Good voltage recovery No load shedding
B8	Hansman -- Pemukan 240 kV line 3Ø fault 5 cycles: trip CB at Hansman 6 cycles: trip CB at Pemukan	System stable Good voltage recovery No load shedding
B9	Cordel -- Nevis 240 kV line 9L20 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nevis	System stable Good voltage recovery No load shedding
B10	Cordel -- Paint Earth 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Paint Earth	System stable Good voltage recovery No load shedding
B11	Cordel -- Halkirk 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Halkirk	System stable Good voltage recovery No load shedding

[1] Slight increase in rotor angles but stable as demonstrated by machine speed.
Machine power and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point while the relative rotor angle shows that the system as a whole is stable)

Table - 2 2012 Summer Light Load Category C3 Contingencies

Case ID	Description	Observation
	C3 N-1-1 Faults	
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-1	Lloydminster -- Edgerton 144 kV line 3Ø fault 6 cycles: trip CB at Lloydminster 8 cycles: trip CB at Edgerton	System stable Good voltage recovery No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-2	Battle River -- Buffalo Creek 144 kV 3Ø fault 6 cycles: trip CB at Battle River 8 cycles: trip CB at Buffalo Creek	System stable Good voltage recovery No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-3	Vermilion -- Kitscoty 144 kV 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Kitscoty	System stable Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-4	Lloydminster -- Edgerton 144 kV line 3Ø fault 6 cycles: trip CB at Lloydminster 8 cycles: trip CB at Edgerton	System stable Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-5	New Mahihkan -- Bonnyville 144 kV line 3Ø fault 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-6	Vermilion -- Vegreville 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Vegreville	System stable Good voltage recovery No load shedding
	Loss of 701T Battle River AND	
C3-7	Heisler -- Battle River 6L05 kV line 3Ø fault 6 cycles: trip CB at Heisler 8 cycles: trip CB at Heisler	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-8	Jarrow -- Wainwright 144 kV line 3Ø fault 6 cycles: trip CB at Jarrow 8 cycles: trip CB at Wainwright	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-9	Wainwright -- Nilrem 144 kV line 3Ø fault 6 cycles: trip CB at Wainwright 8 cycles: trip CB at Nilrem	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Hardisty AND	
C3-10	Hardisty -- Nilrem 144 kV line 3Ø fault 6 cycles: trip CB at Hardisty 8 cycles: trip CB at Nilrem	System stable with UVLS scheme[1] Good voltage recovery Four motor loads in Wainwright area trip[2]
	Loss of 9L26 Cordel to PaintEarth AND	
C3-11	Anderson -- Halkirk 240 kV line 9L59 3Ø fault 5 cycles: trip CB at Anderson 6 cycles: trip CB at Halkirk	System stable Good voltage recovery No load shedding
	Loss Hansman Pemukan AND	
C3-12	PaintEarth -- Hansman 240 kV line 9L59 3Ø fault 5 cycles: trip CB at PaintEarth 6 cycles: trip CB at Hansman	System stable Good voltage recovery No load shedding

[1] Rotor angle increase indicates non-oscillatory instability but system is stable as illustrated by behavior of machine power, machine speed with time and comparison of absolute and relative machine rotor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] Four motor loads at Tucuman & Nilrem trip under UVLS scheme. UVLS requires instantaneous (3 cycle) trip of motor loads at Tucuman & Nilrem.

Table - 3 2012 Summer Light Load Category C5 Contingencies

Case ID	Description	Observation
	Category C5 Faults	
C5-1	Double SLG fault at Cordel on Cordel to Battle River double circuit circuit line 5 cycles: trip 2 circuit breakers at Cordel 6 cycles: trip at Battle River	System stable[1,2] Good voltage recovery No load shedding
C5-2	Double SLG at Whitefish on Whitefish -- Marguerite Lake double circuit line 5 cycles: trip at Whitefish 6 cycles: trip at Marquerite Lake	System stable Good voltage recovery No load shedding
C5-3	Double SLG at Nilrem on double circuit line into Nilrem 5 cycles: trip at Nilrem 6 cycles: trip at Cordel and Hansman Lake	System stable Good voltage recovery No load shedding
C5-4	Double SLG at Cordel on double circuit line 5 cycles: trip at Cordel 6 cycles: trip at Paint Earth and Halkirk	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 4 2012 Summer Light Load Category C7 Contingencies

Case ID	Description	Observation
	Category C7 Faults	
	Vermilion Substation	
C7-1	SLG fault on 7L53, stuck breaker 701 6 cycles: trip CB at Irish Creek 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-2	SLG fault on 7L14, stuck breaker702 6 cycles: trip CB at Kitscoty 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-3	SLG fault on 7L65, stuck breaker 703 6 cycles: trip CB at Vegreville 18 cycles: trip 144 kV bus at Vermillion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion	
C7-4	SLG fault on 7L50, stuck breaker 704 6 cycles: trip CB at Buffalo Creek 18 cycles: trip 144 kV bus Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Whitefish	
C7-5	Whitefish -- Marguerite Lake SLG fault on 9L37, stuck breaker 903 6 cycles: trip CB at Whitefish 18 cycles: trip CB 907 at Marguerite Lake	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-6	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 901 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L79 from Cordel to Battle River trip bkr on 9L20 from Nevis to Cordel at Cordel	System stable[2, 3] Good voltage recovery No load shedding

[1] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.

[2] Line to Battle River #5 lost so Battle River separates from system.

[3] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.

Table - 4 2012 Summer Light Load Category C7 Contingencies

(Continued)

Case ID	Description	Observation
	Category C7 Faults	
	Cordel Substation	
C7-7	SLG fault on 9L79 from Cordel to Battle River. Stuck brk 902 6 cycles: trip bkr on 9L79 from Cordel to Battle River at Battle River 18 cycles trip 9L927 from Cordel to Paintrt SLD wrong trip bkr on 9L79 from Cordel to Battle River at Cordel	System stable[1,2] Good voltage recovery No load shedding
	Cordel Substation	
C7-8	SLG fault on 9L80 from Cordel to Battle River. Stuck brk 903 6 cycles: trip bkr on 9L80 from Cordel to Battle River at Battle River 18 cycles: trip 9L927 from Cordel to PaintEarth trip bkr on 9L80 from Cordel to Battle River at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-9	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 904 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L80 from Cordel to Battle River trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-10	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 905 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L953 from Cordel to Nilrem. Hansman on SLG trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-11	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 906 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L953 from Cordel to Nilrem. trip bkr on 9L20 from Nevis to Cordel at Cordel.	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-12	SLG Nilrem-Hansman near Hansman, stuck breaker (New station no breaker #s assigned 6 cycles: trip @ Nilrem 18 cycles: trip T2 and 1 36 MVAR capbank @ Hansman Lake	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-13	SLG on 948L, stuck breaker 6 cycles: trip PE end of 948L 18 cycles: trip 948L to PE + 954L to Metiskow and Hansman	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-14	SLG on 953L to Pemukan, stuck breaker 6 cycles: trip line Pemukan end at 953L 18 cycles: trip Pemukan + Nilrem to Hansman @ Hansman	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 5 2012 Summer Light Load Category D Contingencies

Case ID	Description	Observation
	Category D Faults	
D7-1	Trip Cordel -- Paint Earth 9L27 Trip Cordel -- Nilrem 9L953 Lines in common ROW "west side"	System stable Good voltage recovery No load shedding
D7-2	Trip Hansman Lake -- Paint Earth 9L948 Trip Hansman Lake -- Nilrem 953L Lines in common ROW "east side"	System stable Good voltage recovery No load shedding
D8-1	Trip 240 kV lines & transformers @ Marguerite Lake Trip bus 1312	System stable Good voltage recovery No load shedding
D8-2	Trip 240 kV lines & transformer @ Hansman Lake Trip bus 649	System stable Good voltage recovery No load shedding
D9-1	Trip 240 kV lines @ Cordel Trip bus 1499	System stable[1,2] Good voltage recovery No load shedding
D10-1	Loss of all units @ Primrose Trip bus 18302 + 18305	System stable[3] Good voltage recovery No load shedding
D10-2	Loss of all units @ Battle River Trip bus, 1495, 1496, 1497	System stable[4] Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.

[3] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.
Primrose units are lost so Primrose separates from system.
(The absolute rotor angle shows that the whole system is moving to a new operating point,
while the relative rotor angle shows that the system as a whole is stable)

[4] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.
All Battle River units (#3,#4,#5) are lost so Battle River machines separate from system.

Dynamic Stability Plots

2012 Summer Light

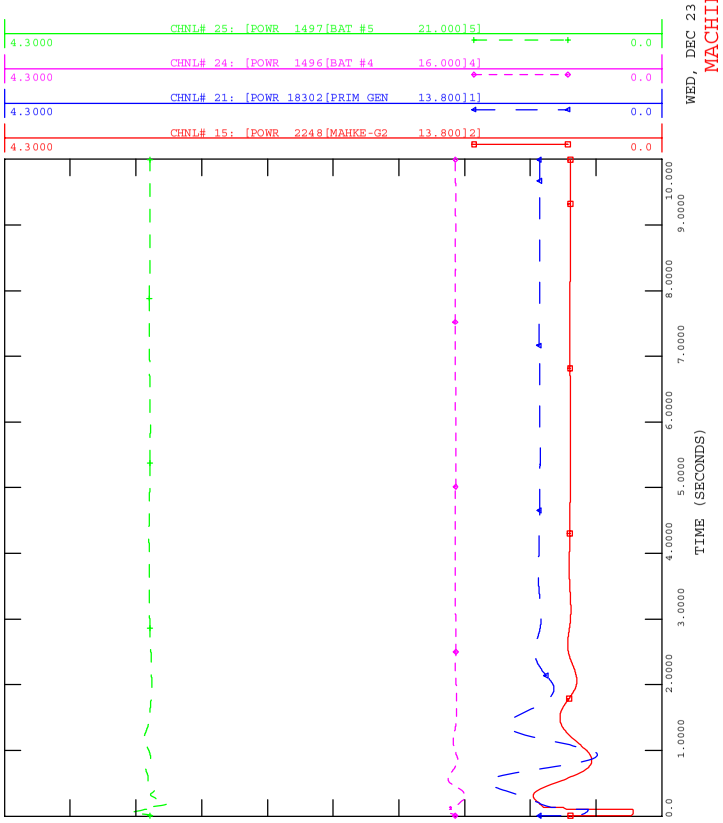
Category B Contingencies

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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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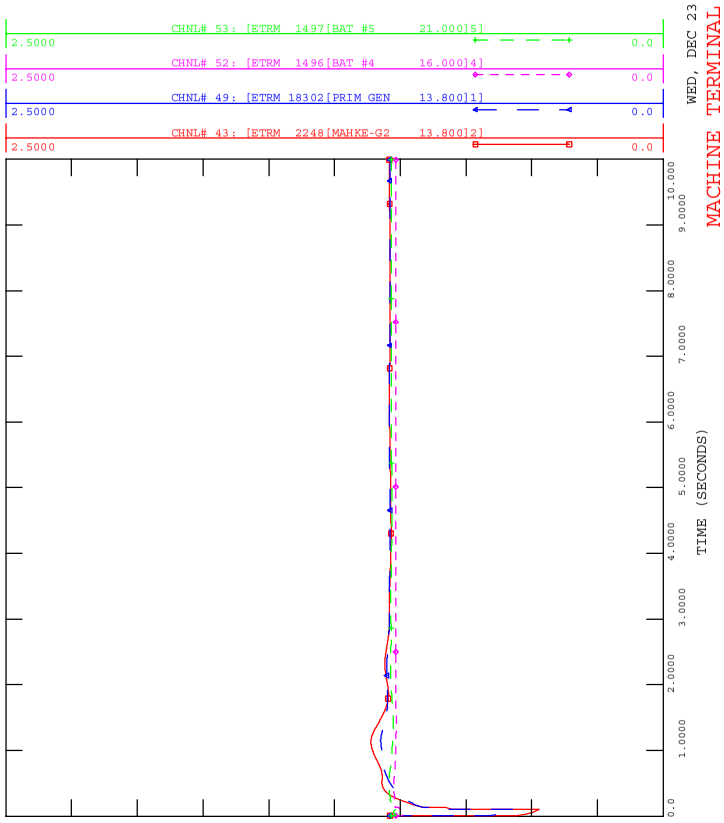


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MACHINE TERMINAL VOLTAGE

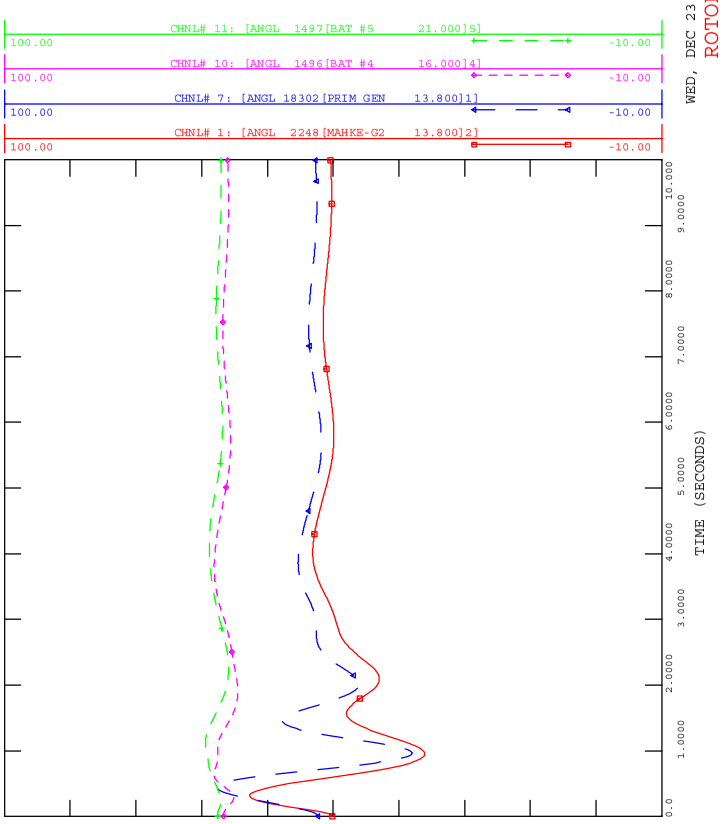


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ROTOR ANGLES

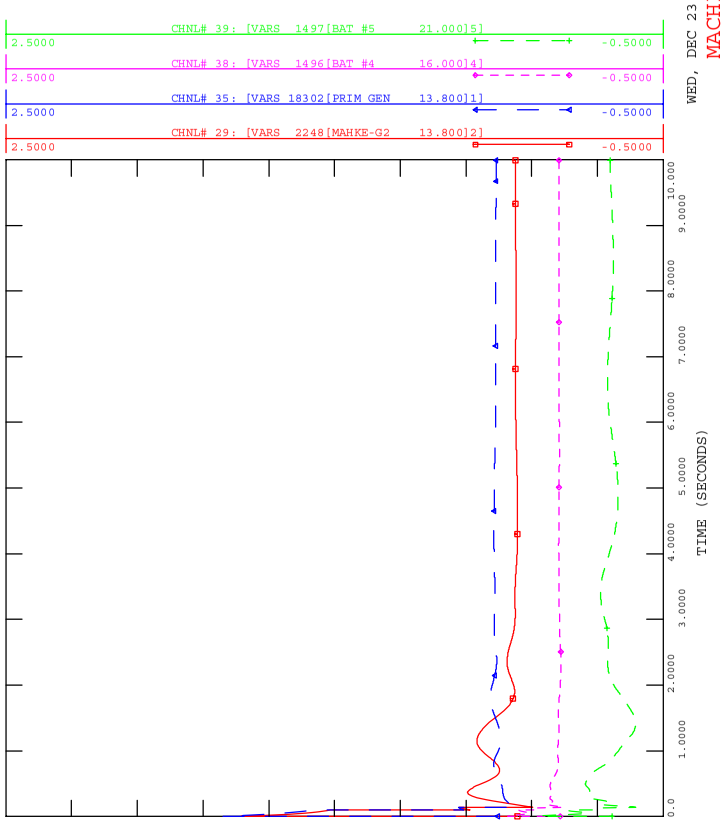


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

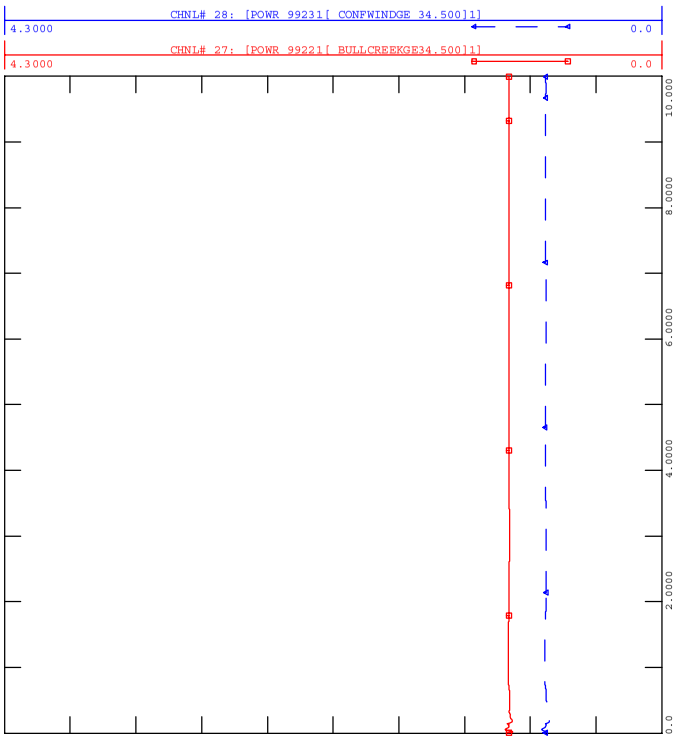


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WIND MACHINE POWER

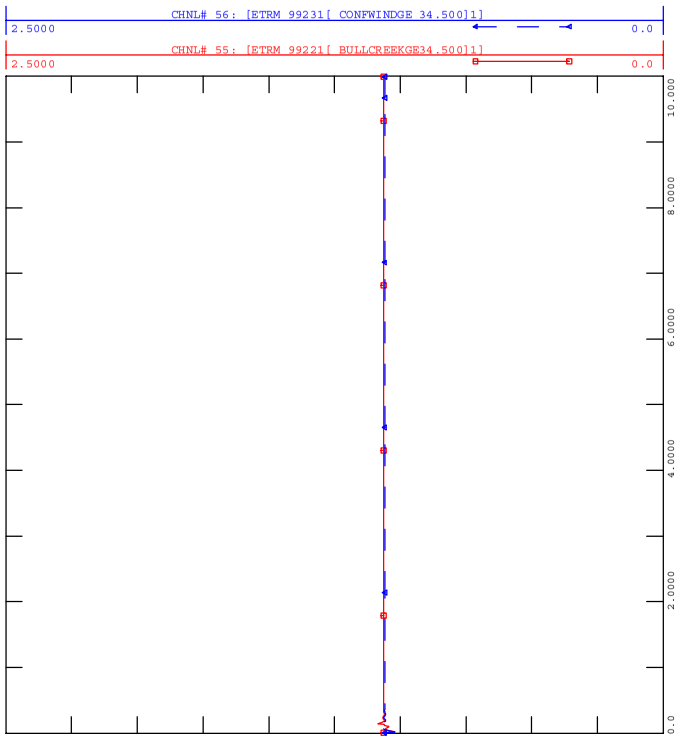


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACH. TERMINAL VOLTS

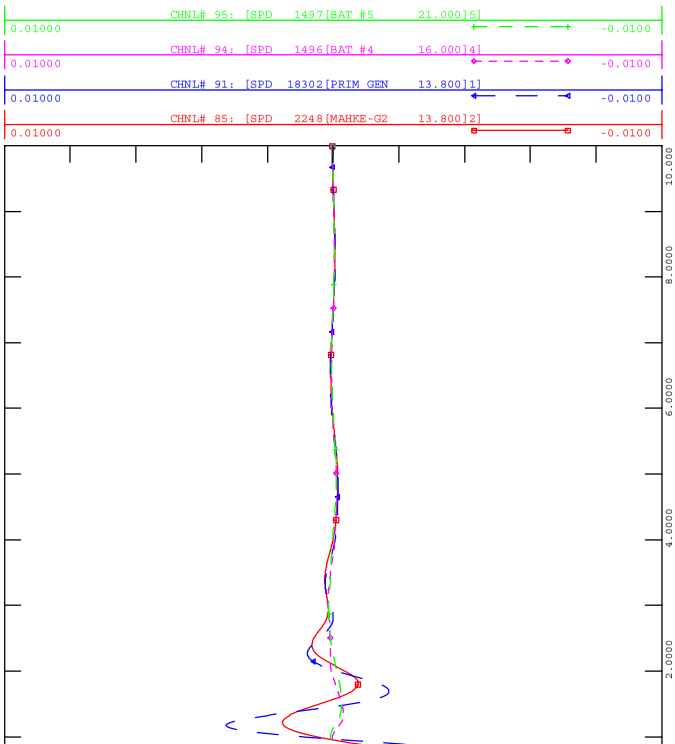


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

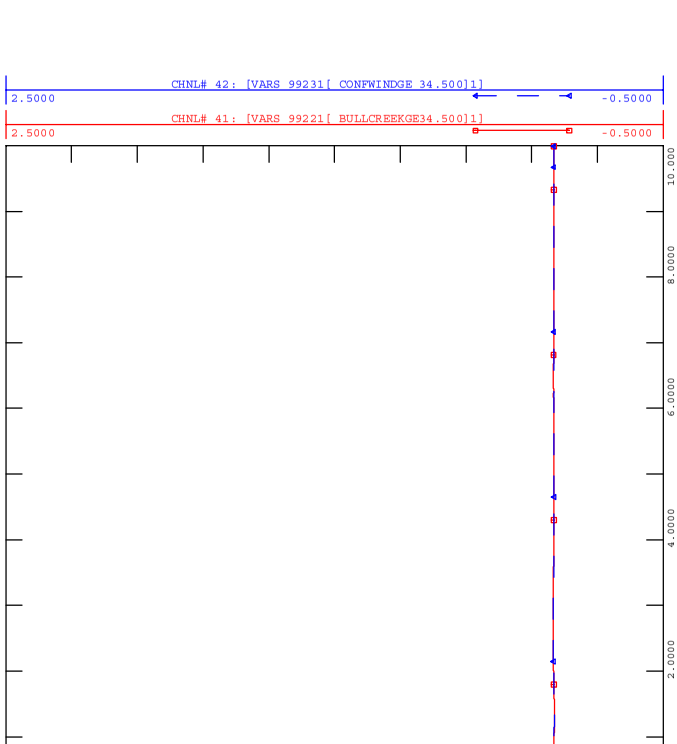


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WIND MACHINE VARS

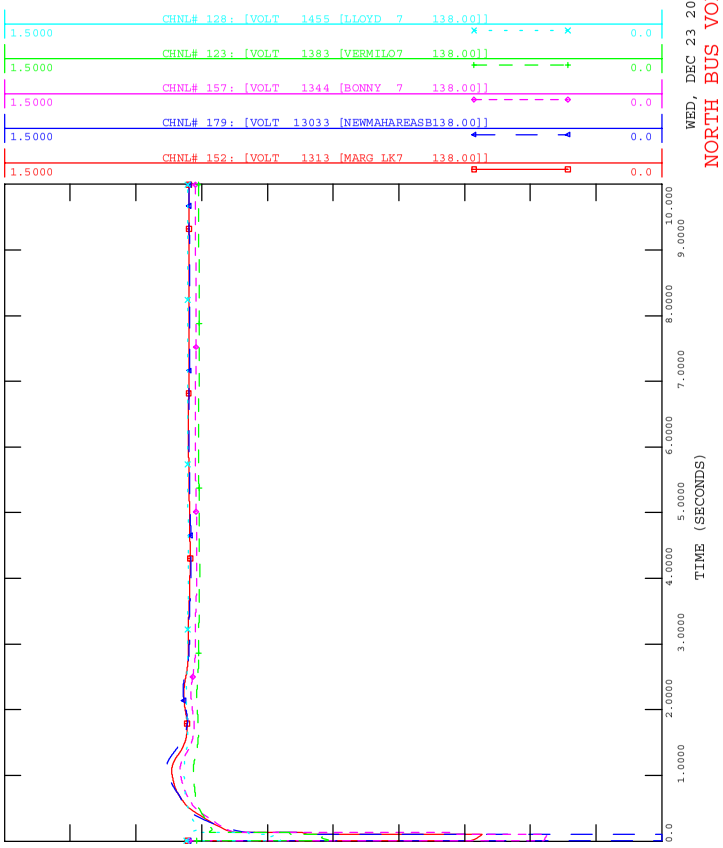


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NORTH BUS VOLTAGES

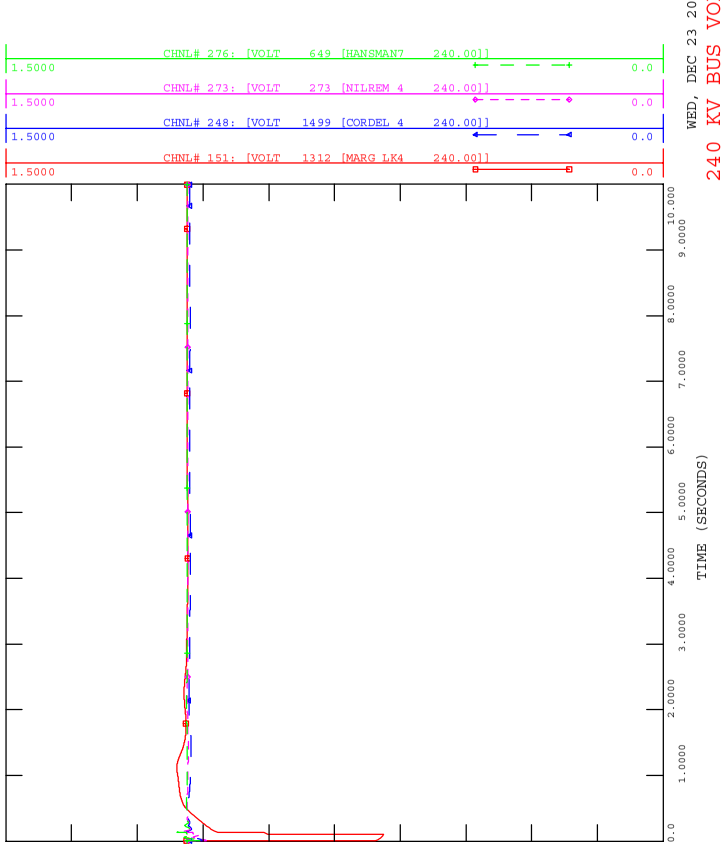


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240 KV BUS VOLTAGES

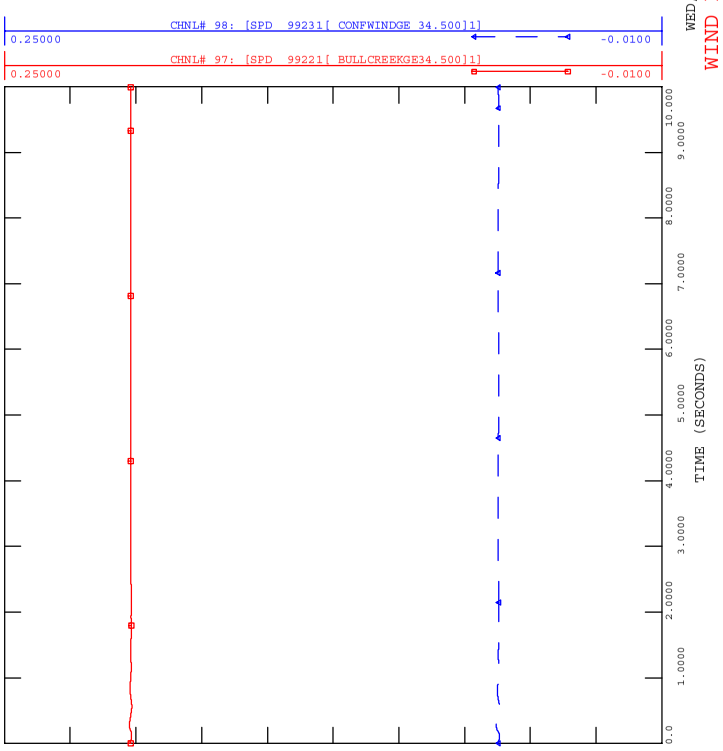


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WIND MACHINE SPEED

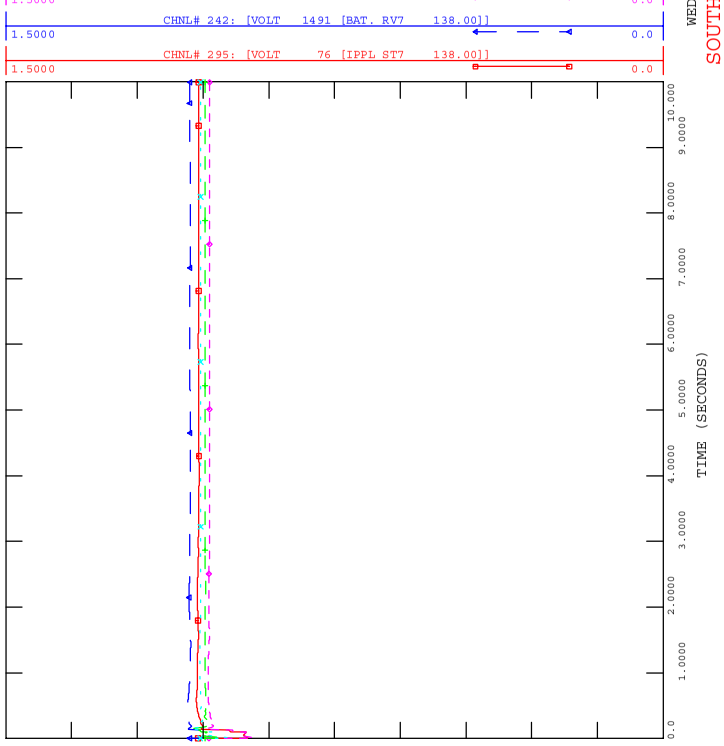


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SOUTH BUS VOLTAGES

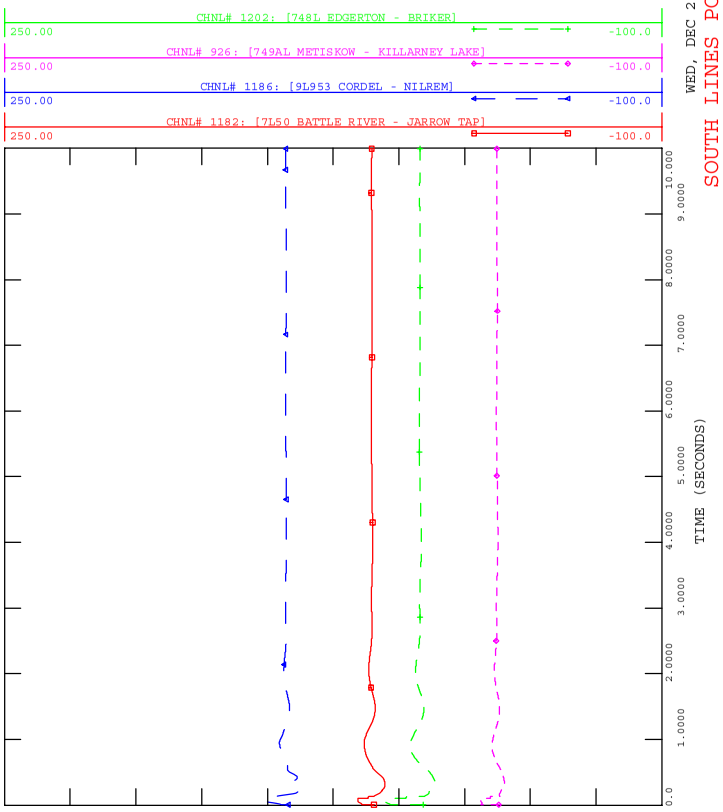


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

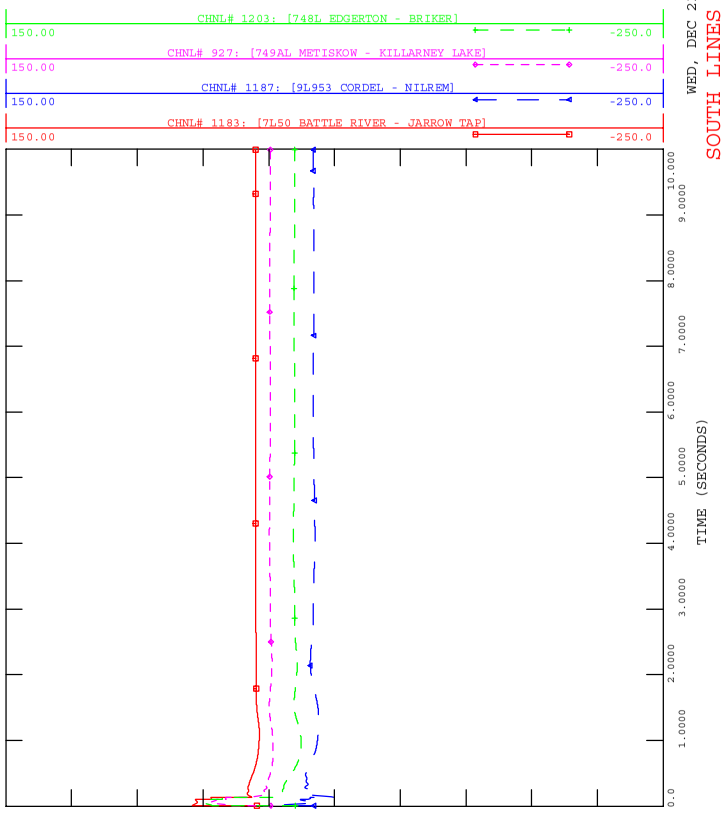


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES VAR FLOW

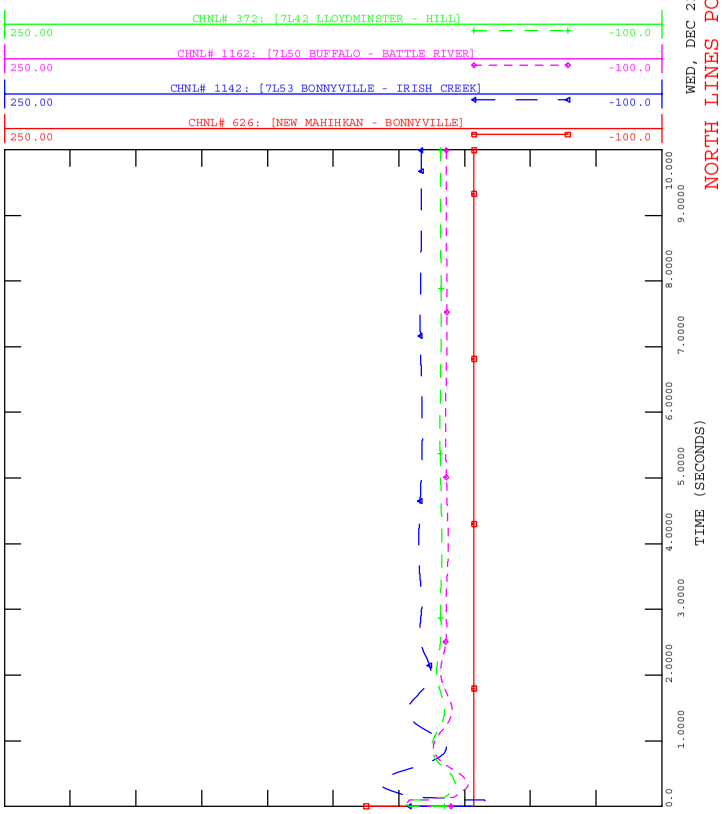


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

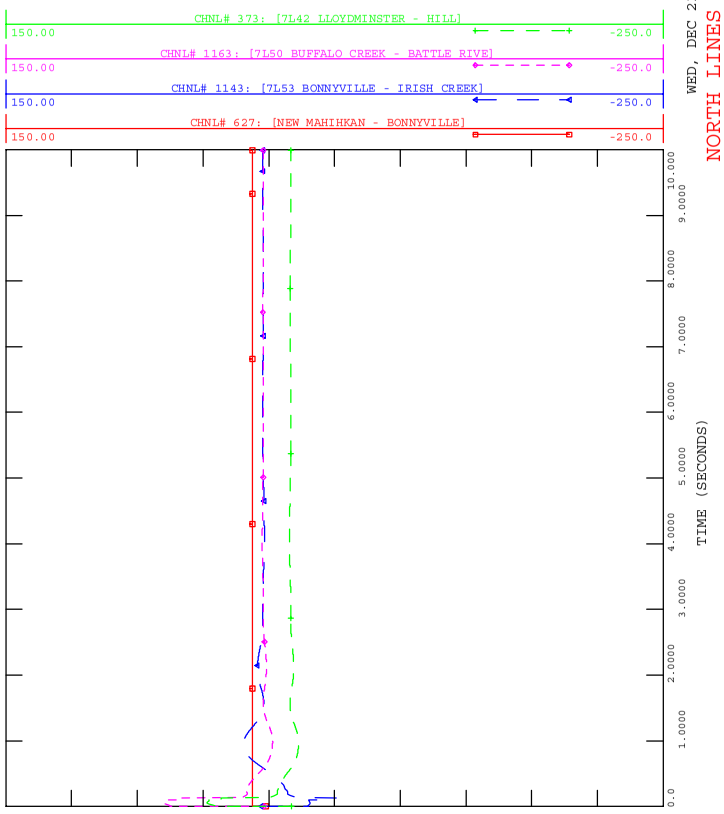


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

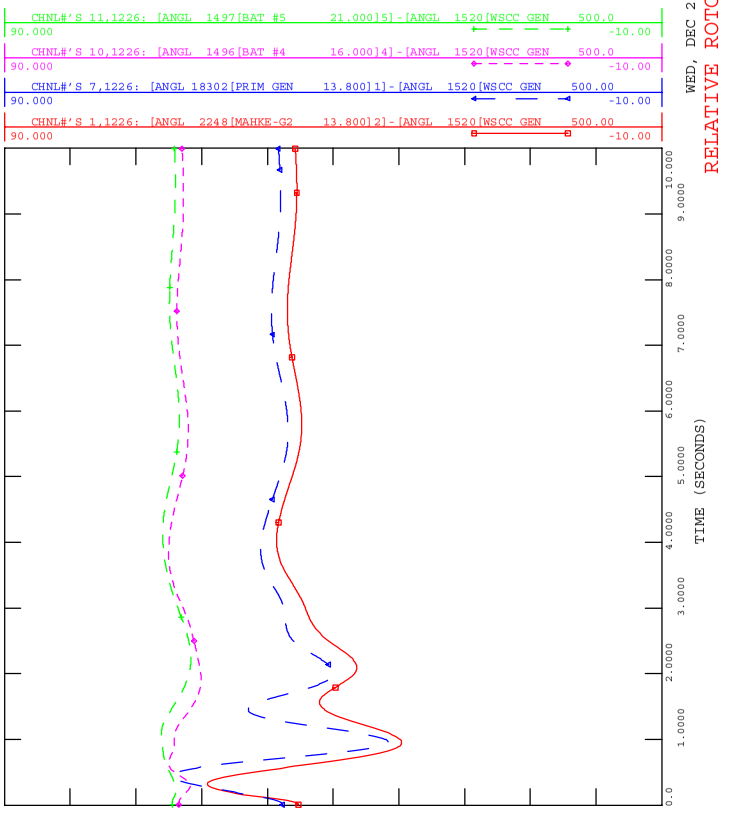


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B2faultout.out

WED, DEC 23 2009 14:02

RELATIVE ROTOR ANGLES

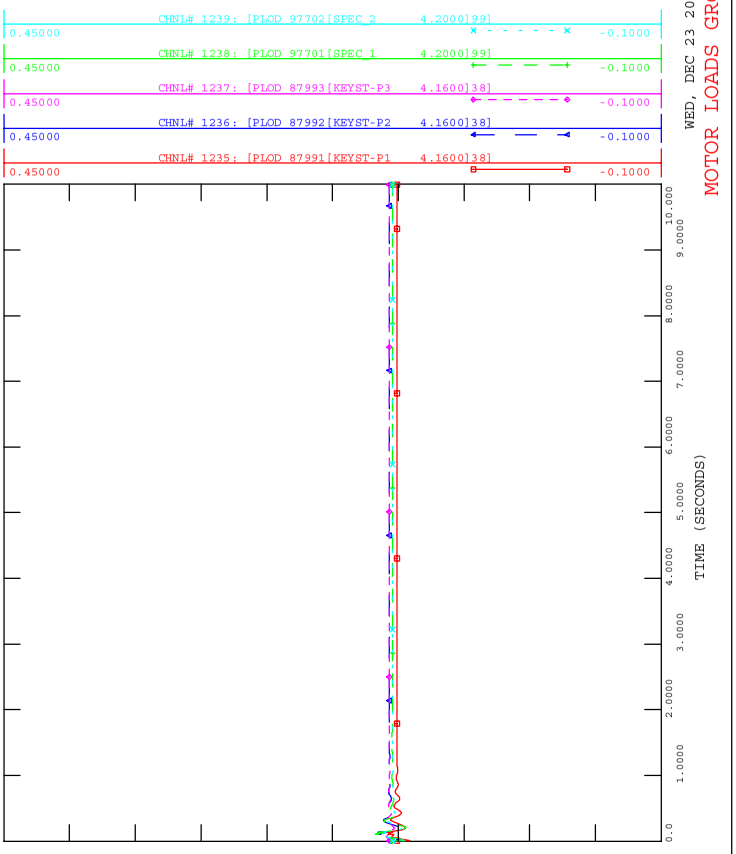


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B2faultout.out

WED, DEC 23 2009 14:02

MOTOR LOADS GROUP II

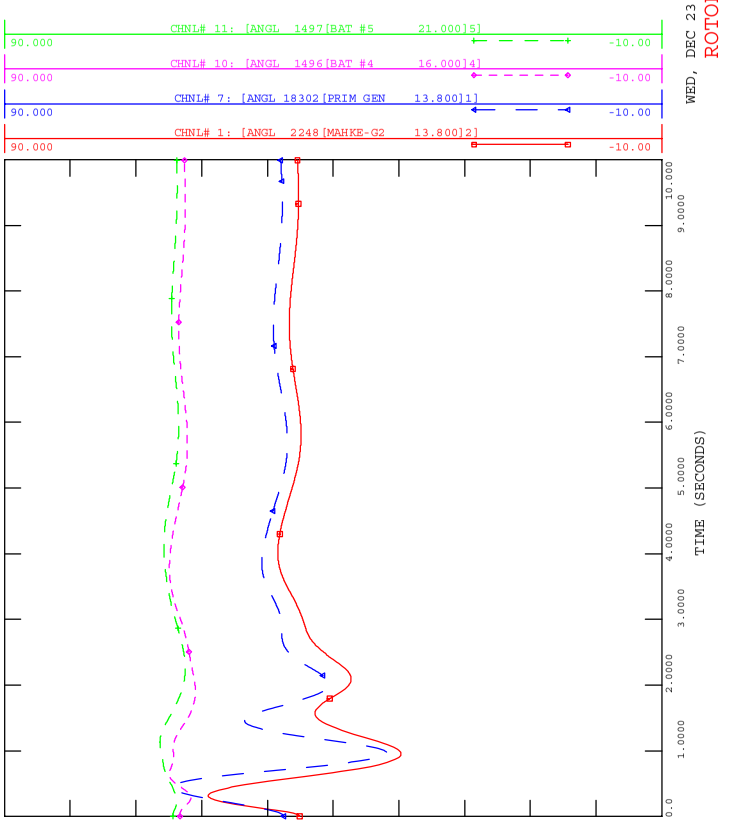


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B2faultout.out

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ROTOR ANGLES

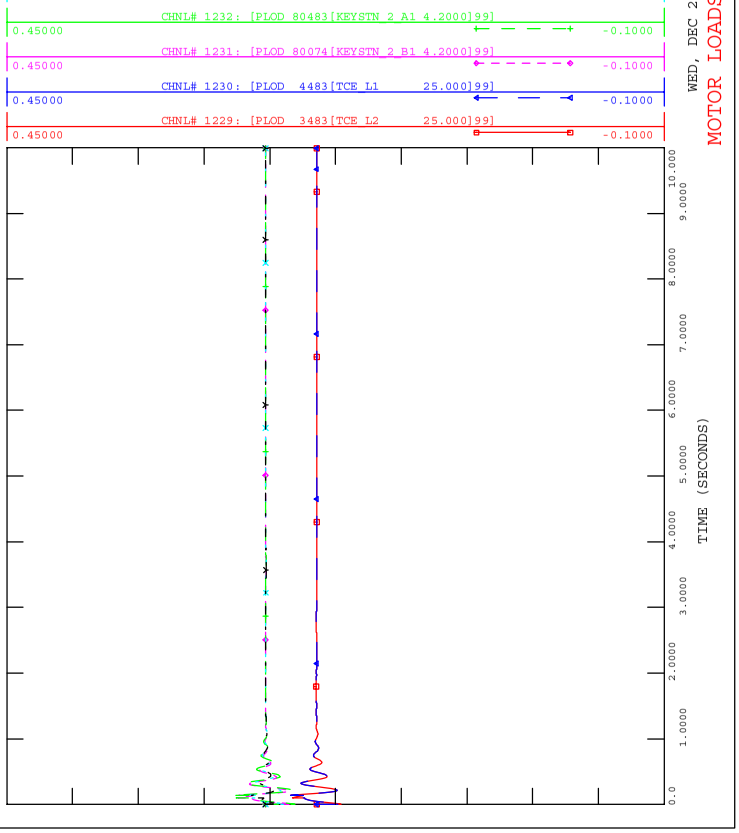


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP I

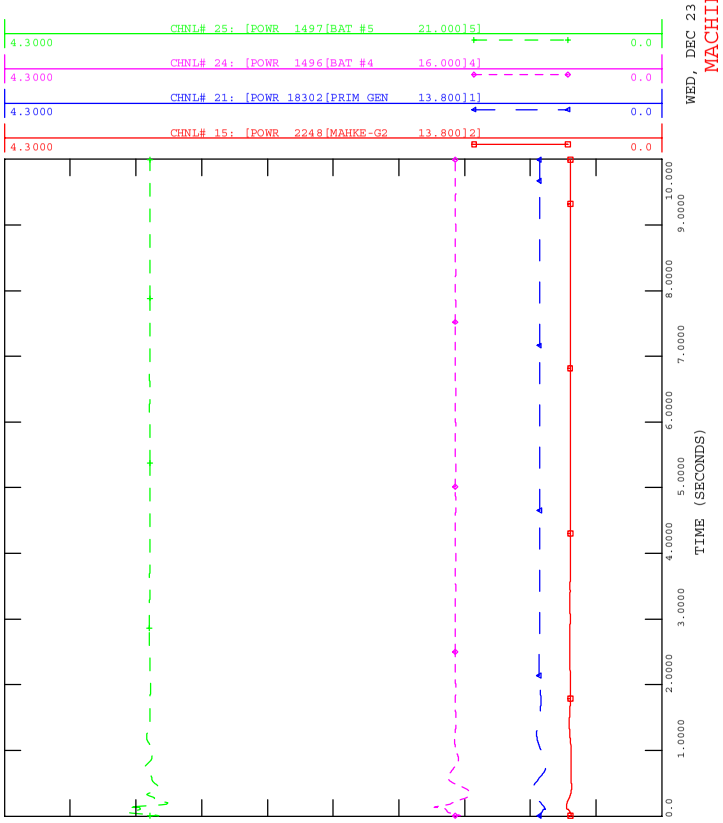


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

WED, DEC 23 2009 14:03

MACHINE POWER

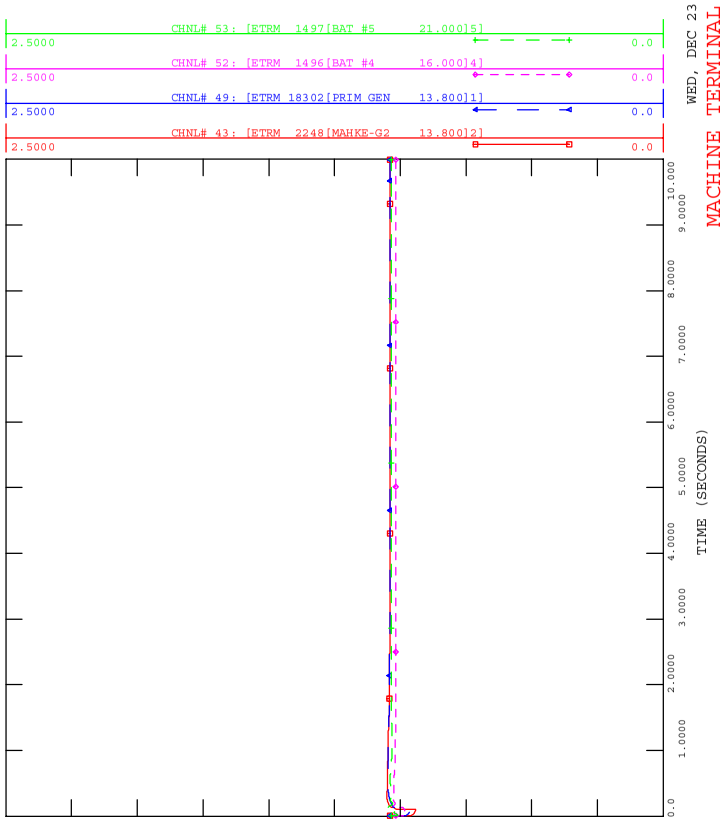


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

WED, DEC 23 2009 14:03

MACHINE TERMINAL VOLTAGE

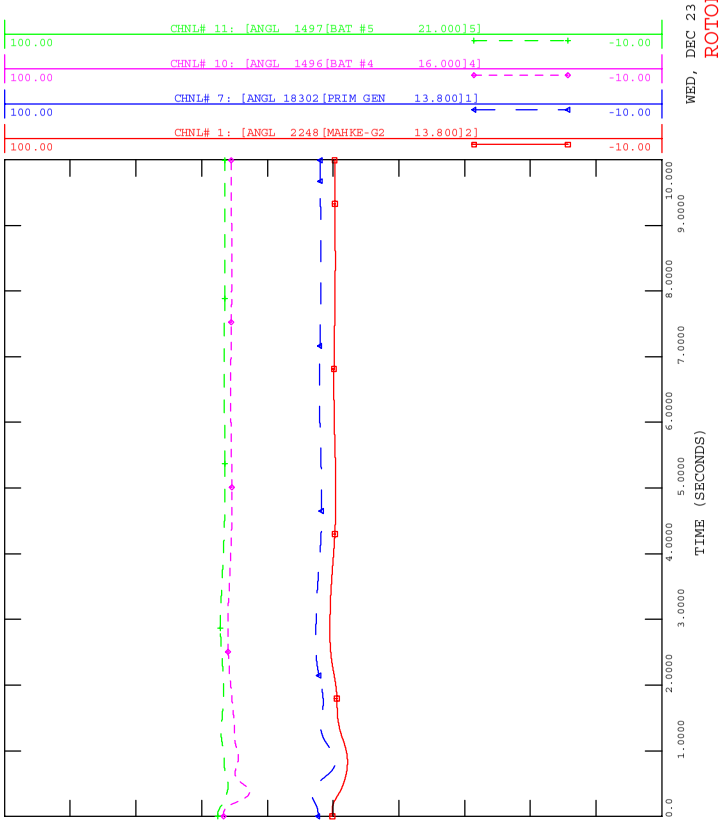


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

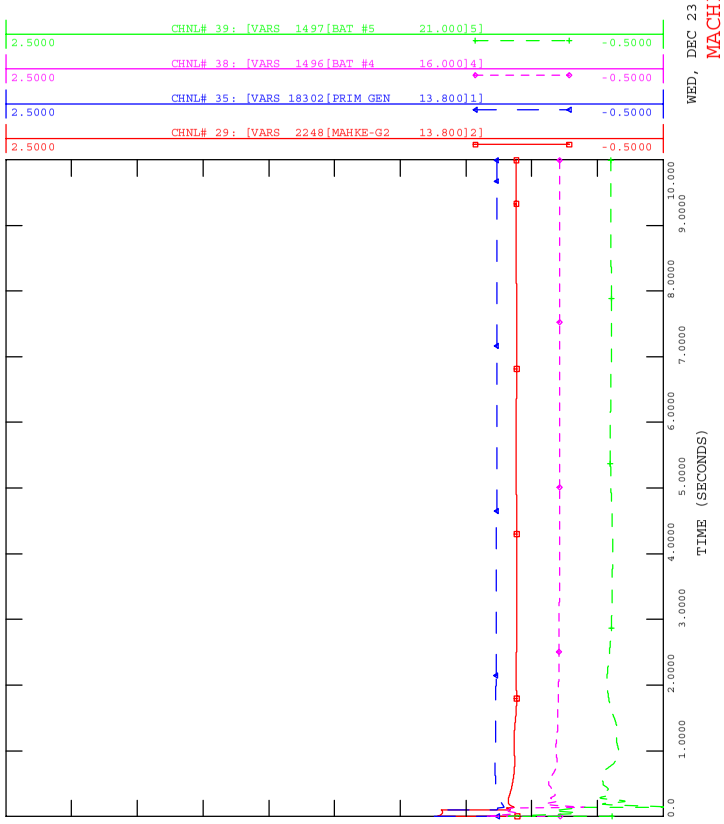


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

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MACHINE VARS

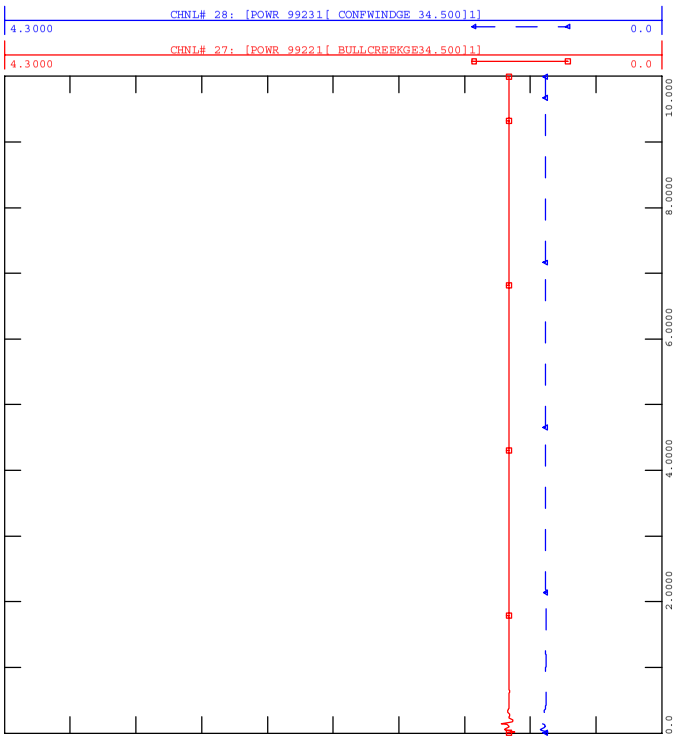


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

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WIND MACHINE POWER

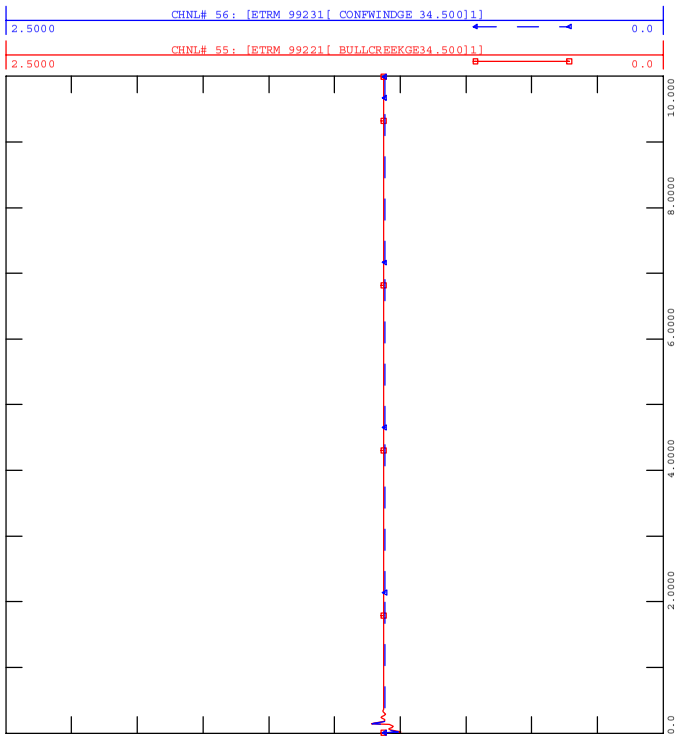


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

WED, DEC 23 2009 14:03

WIND MACH. TERMINAL VOLTS

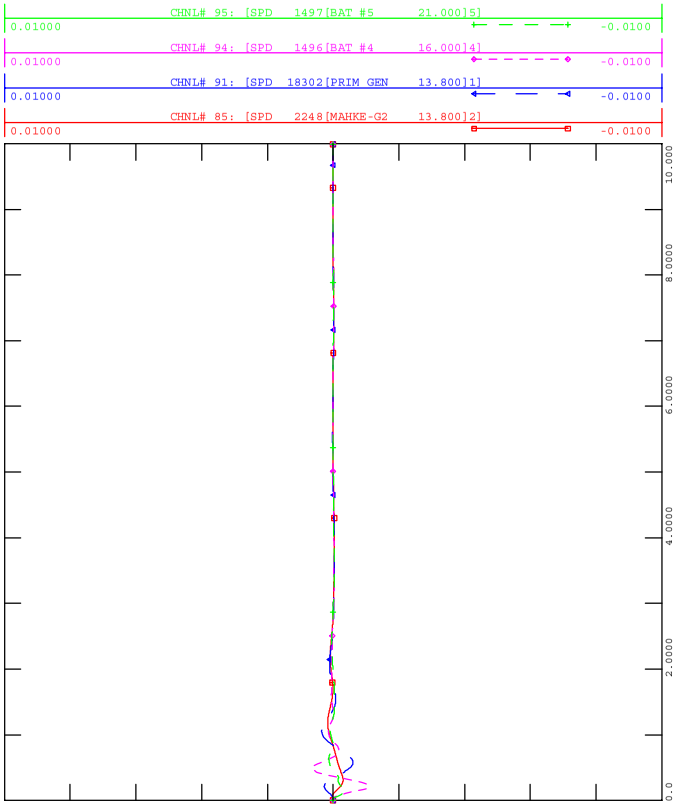


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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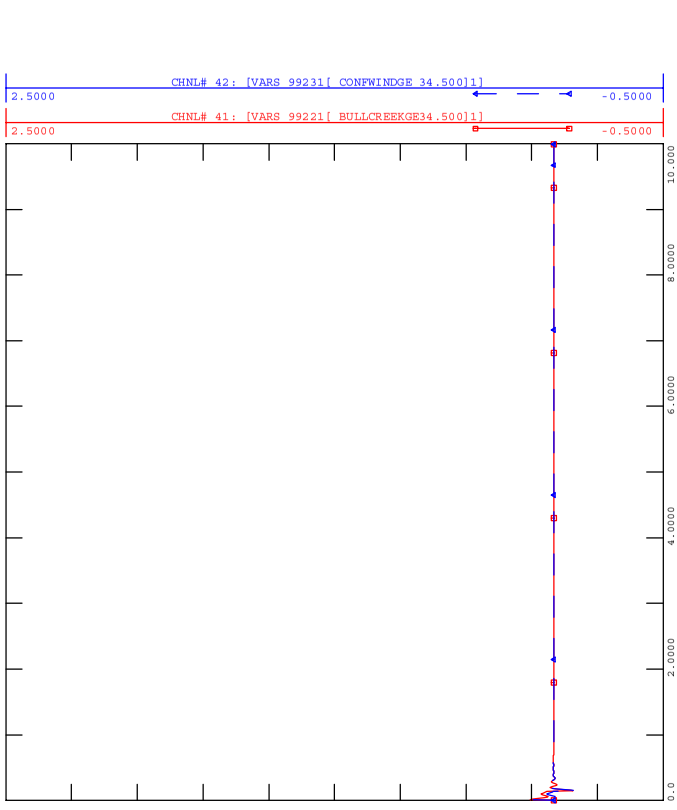


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

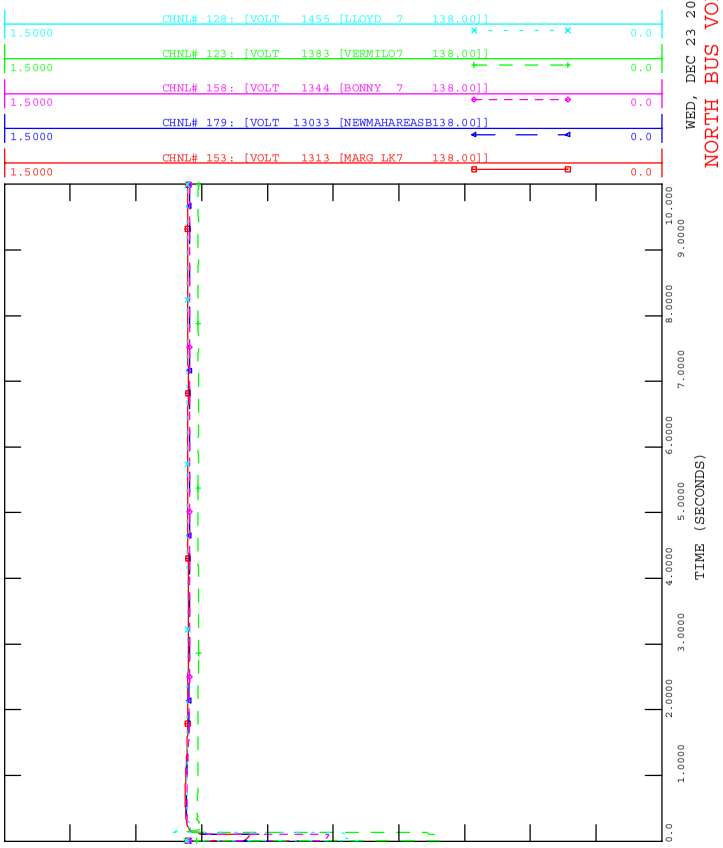


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

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NORTH BUS VOLTAGES

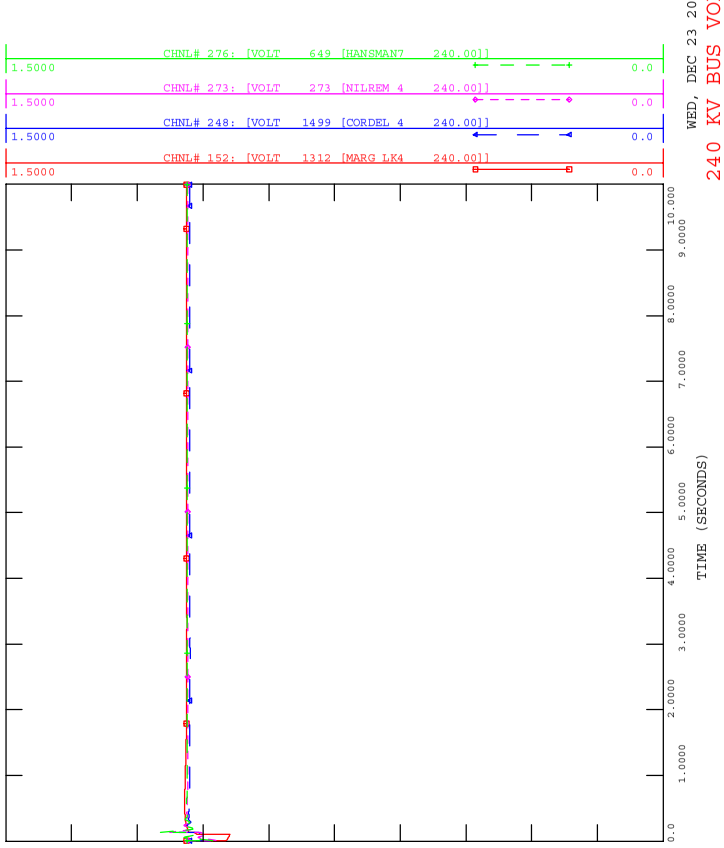


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

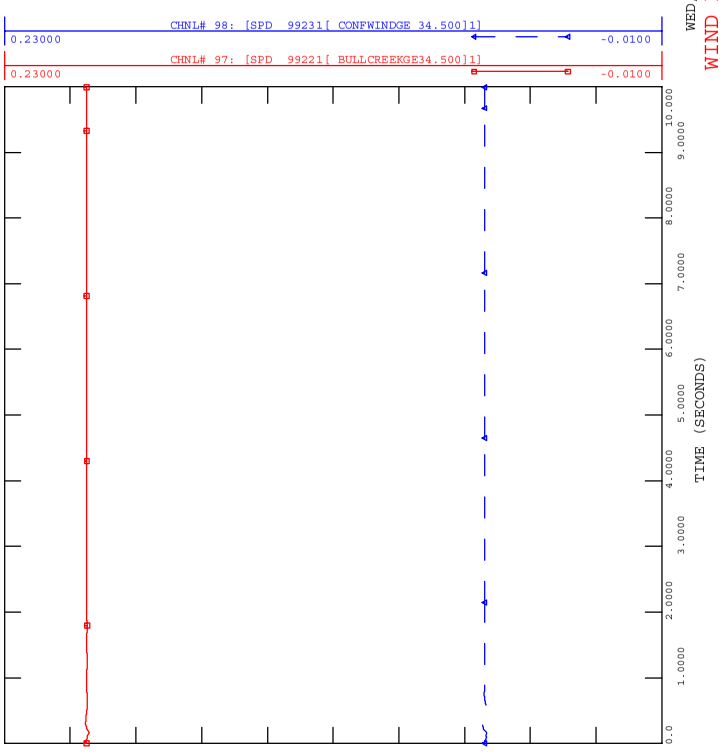


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

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WIND MACHINE SPEED

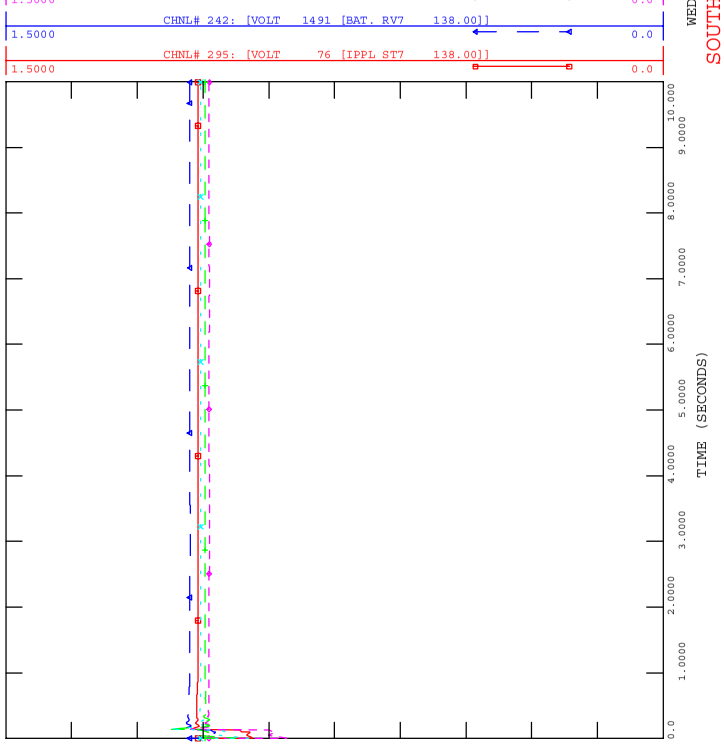


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH BUS VOLTAGES

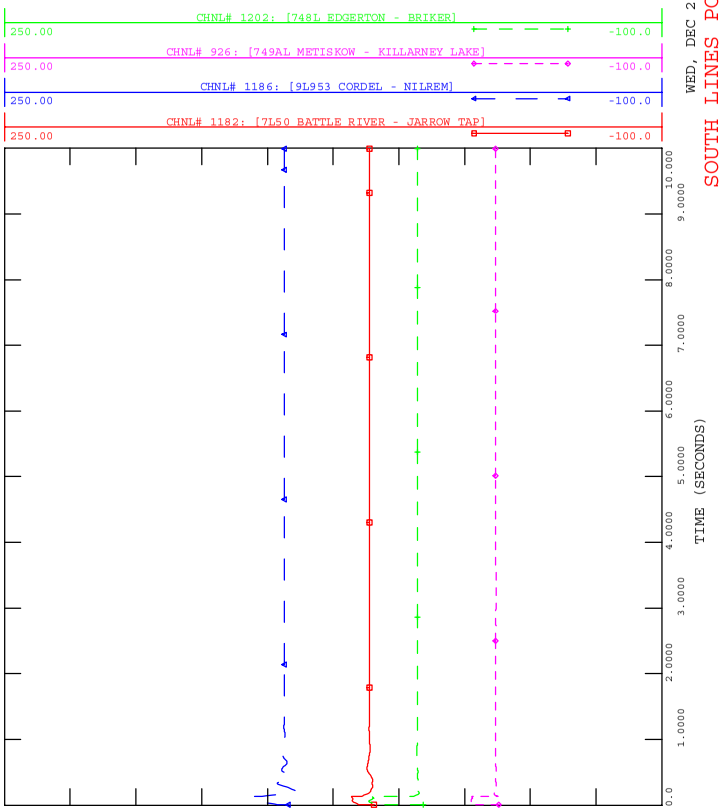


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

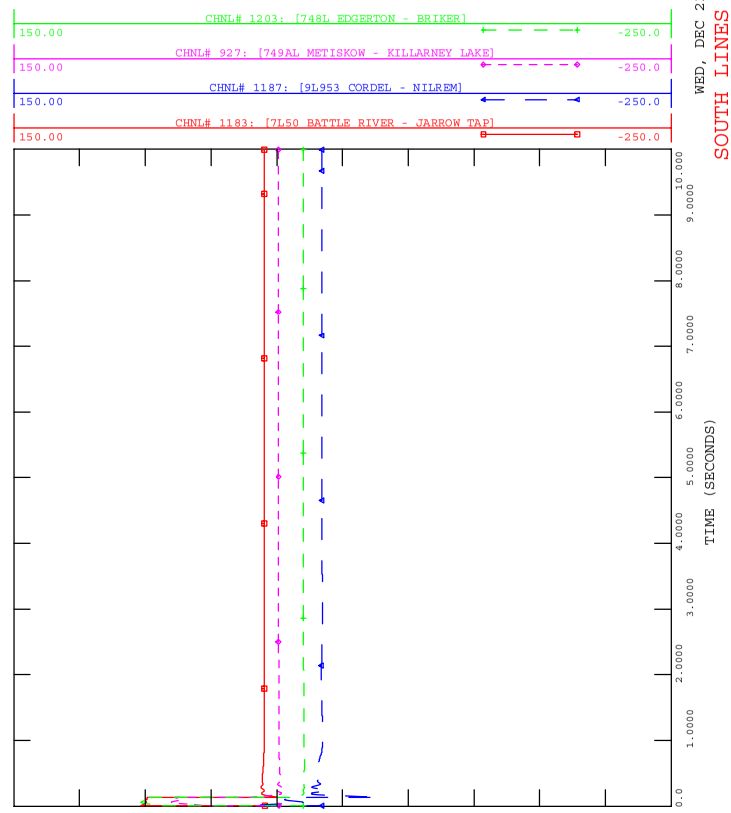


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

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SOUTH LINES VAR FLOW

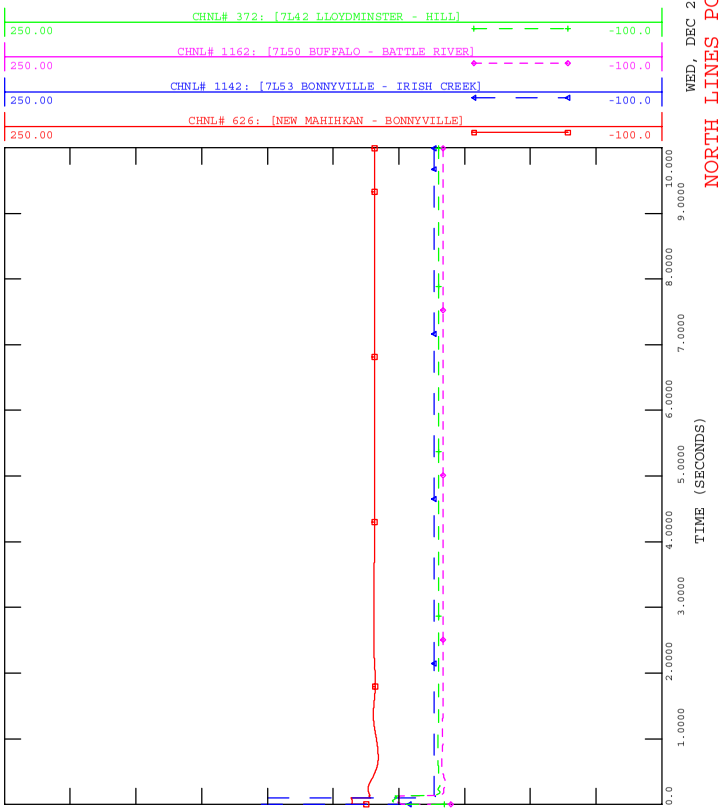


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

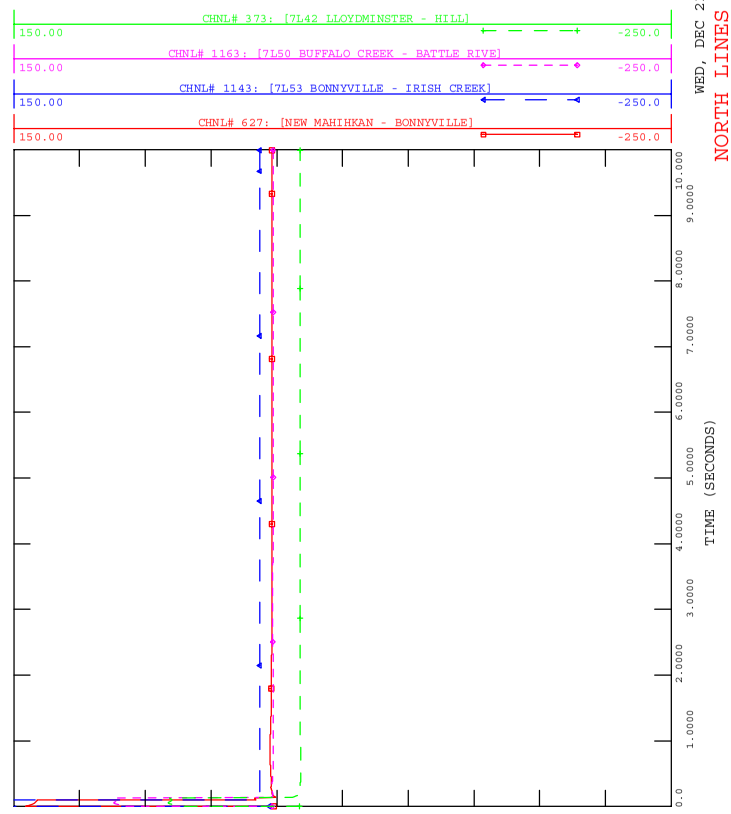


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

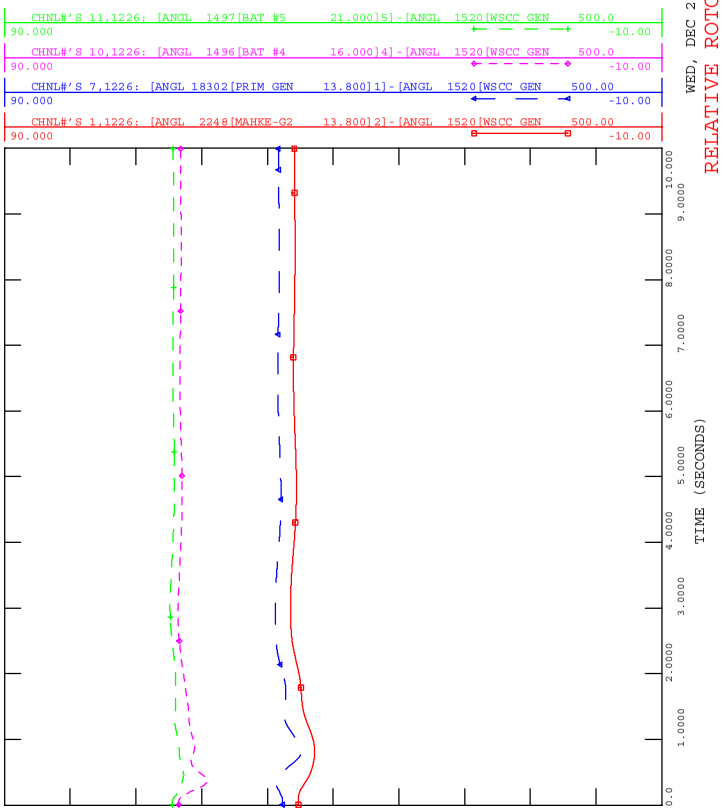


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

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RELATIVE ROTOR ANGLES

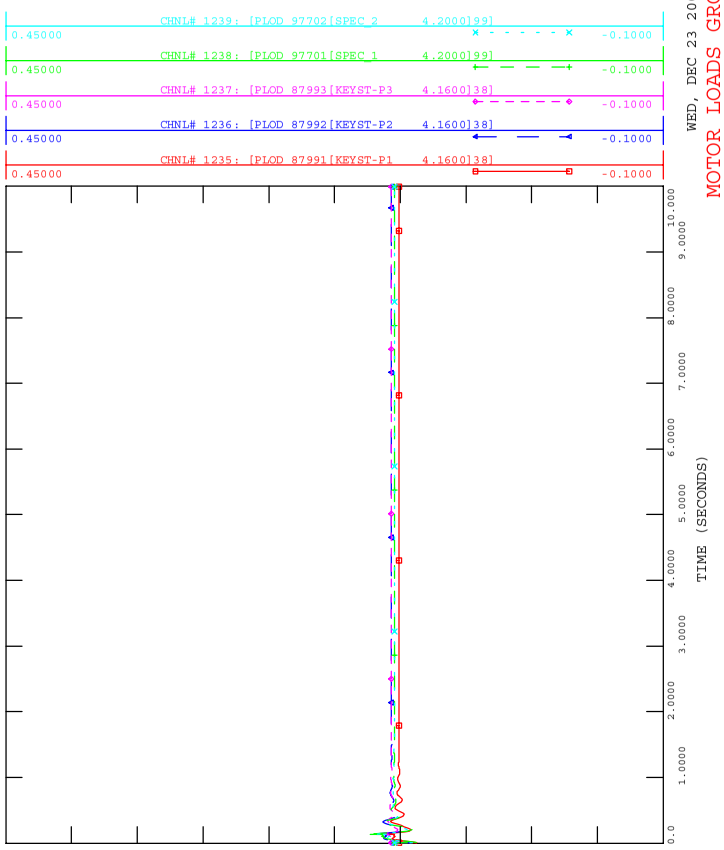


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP II

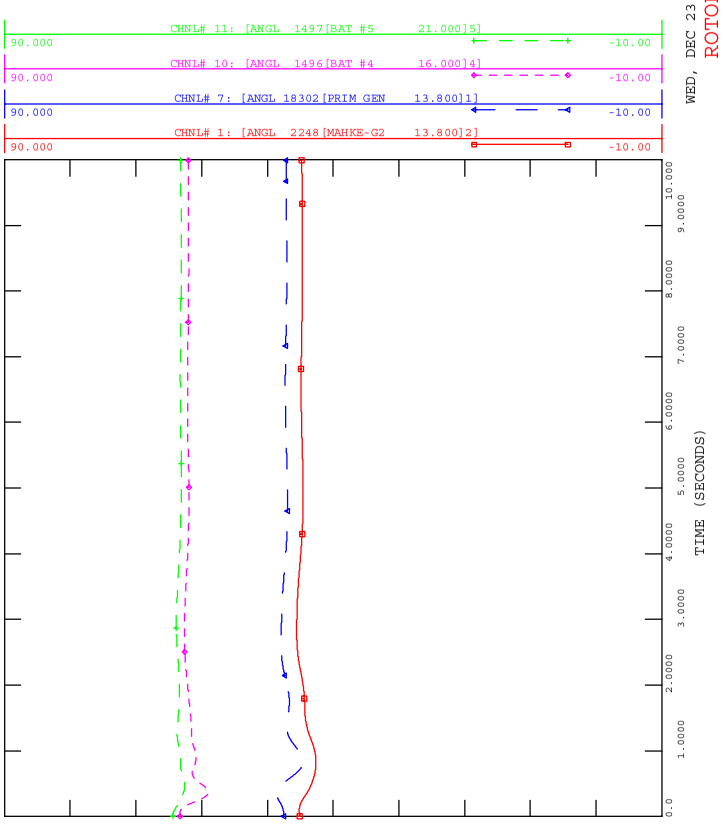


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

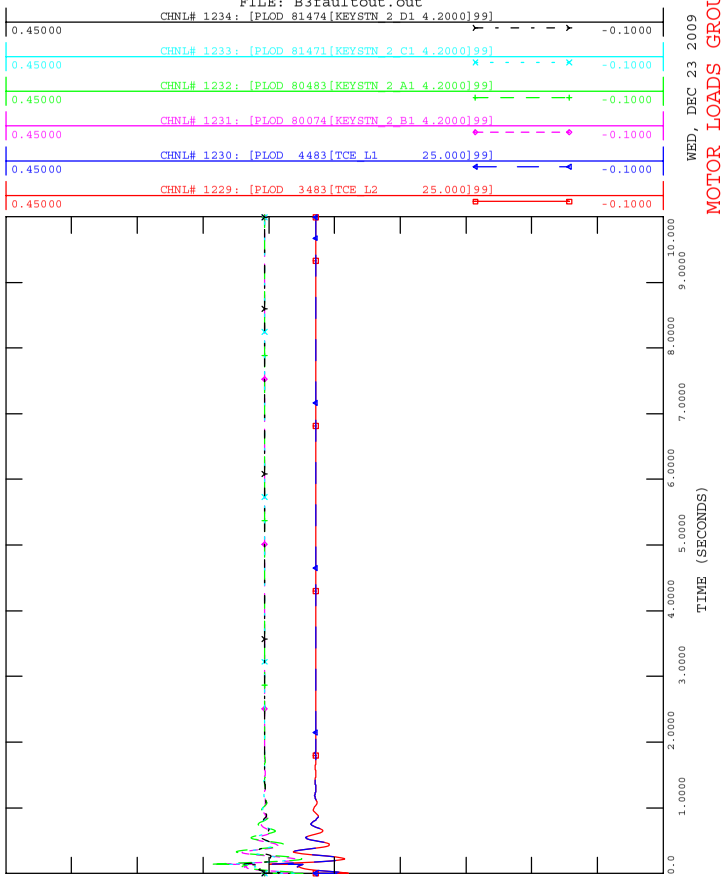


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B3faultout.out

WED, DEC 23 2009 14:03

MOTOR LOADS GROUP I

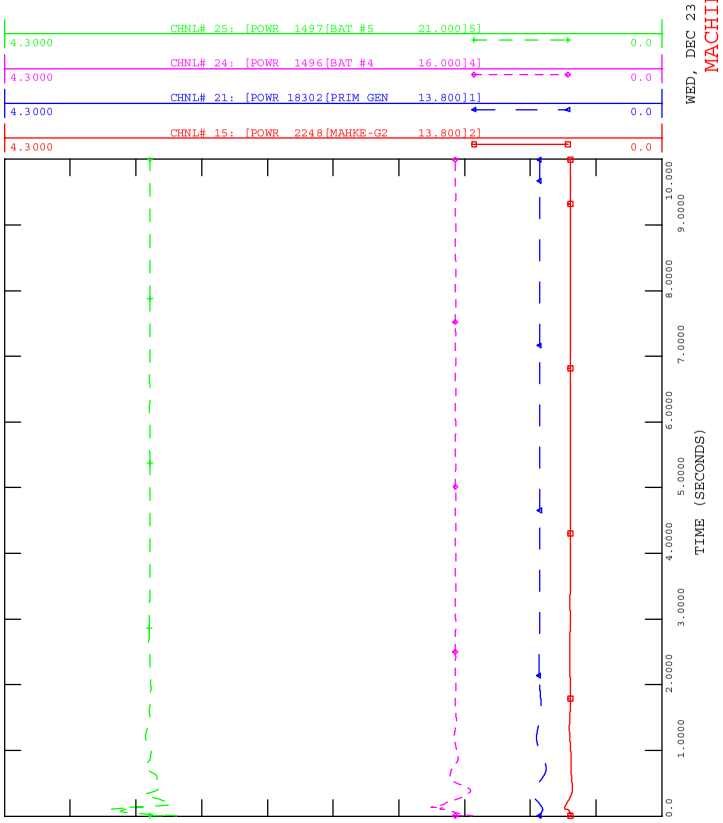


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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MACHINE POWER

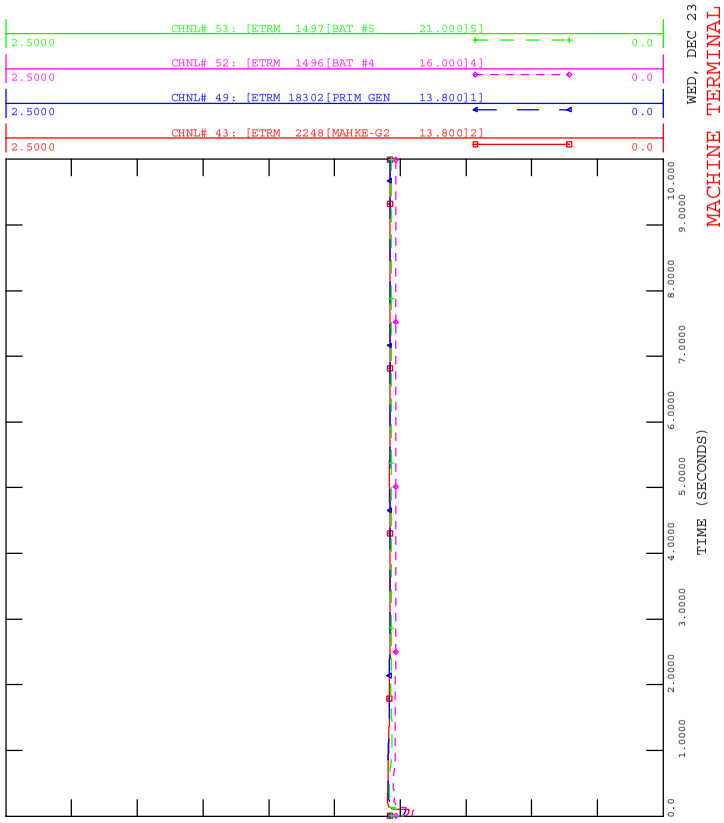


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

WED, DEC 23 2009 14:03

MACHINE TERMINAL VOLTAGE

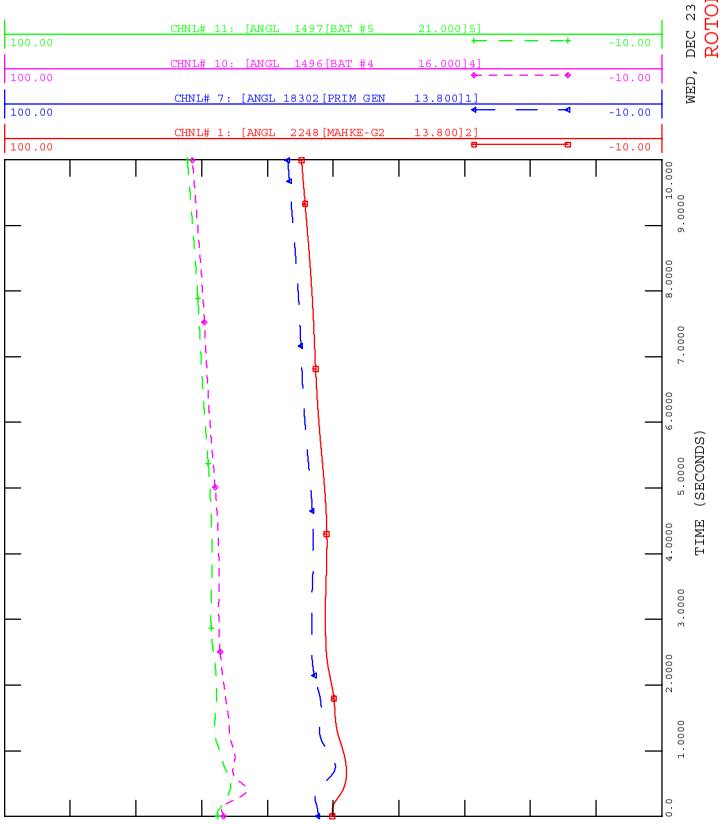


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

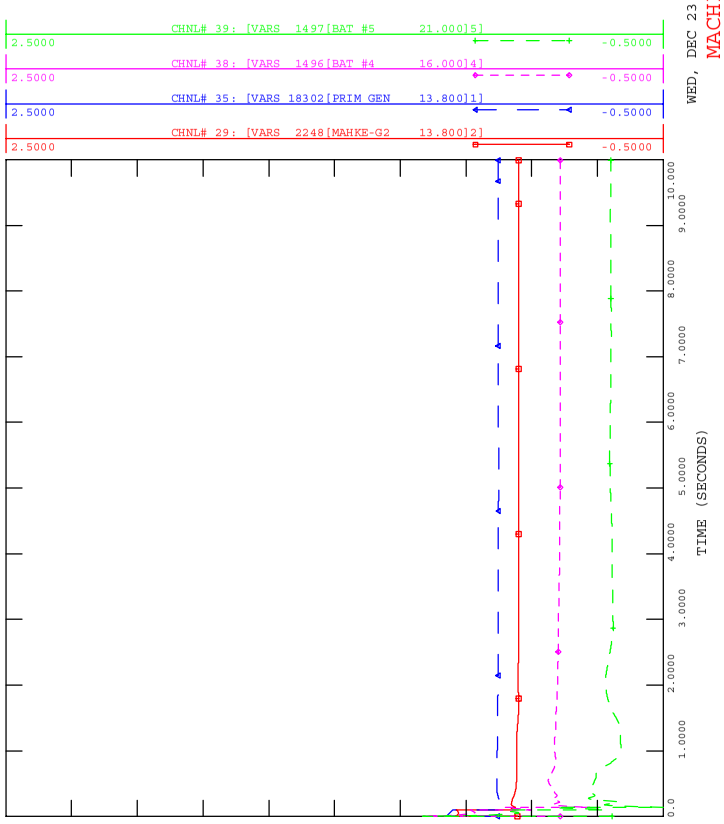


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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MACHINE VARS

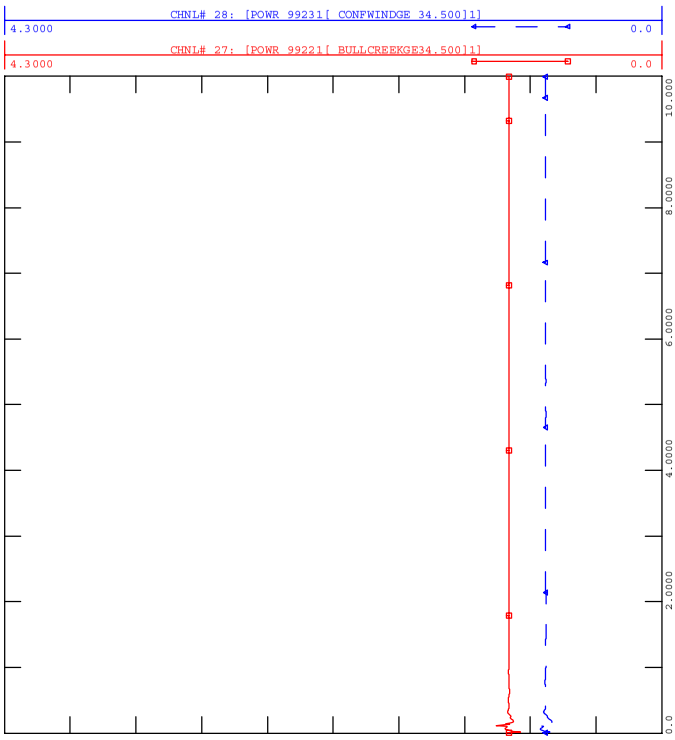


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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WIND MACHINE POWER

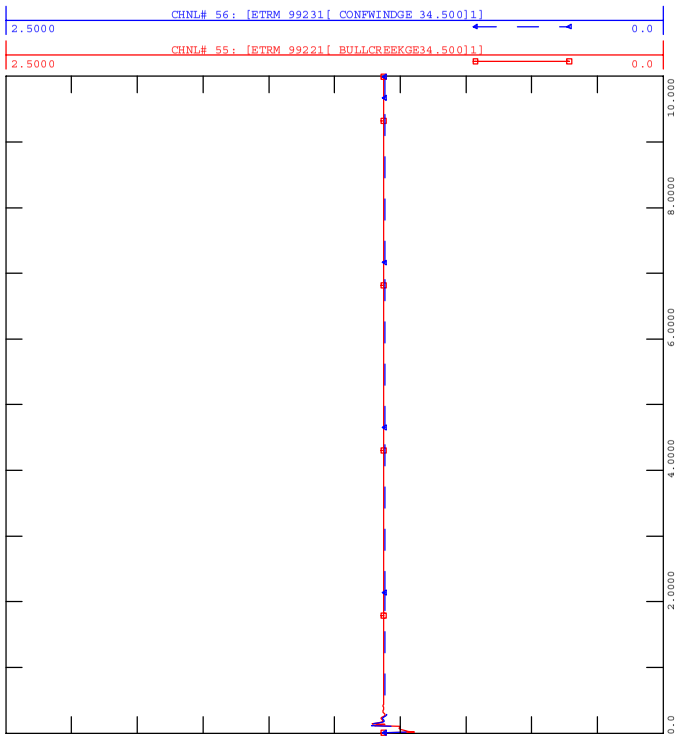


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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WIND MACH. TERMINAL VOLTS

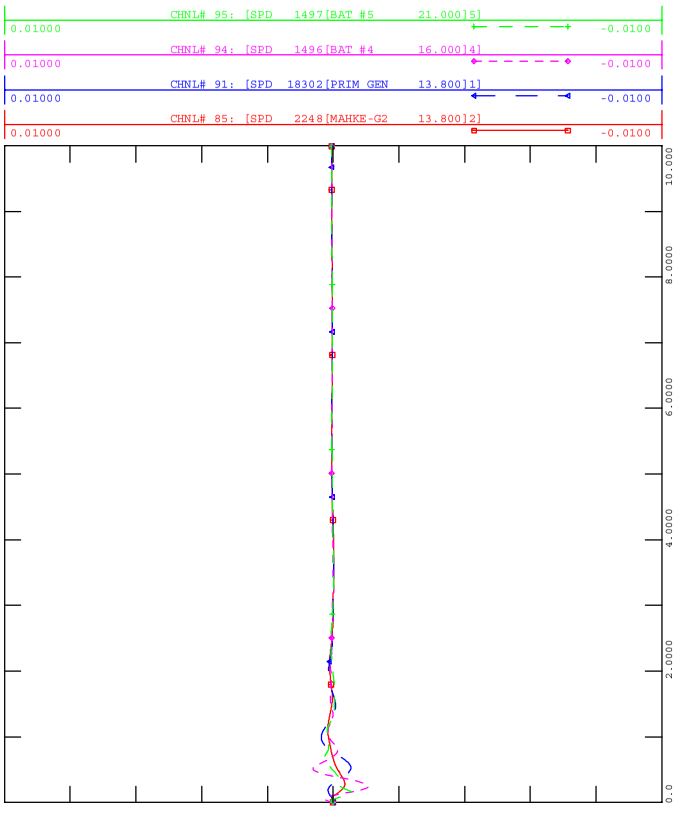


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

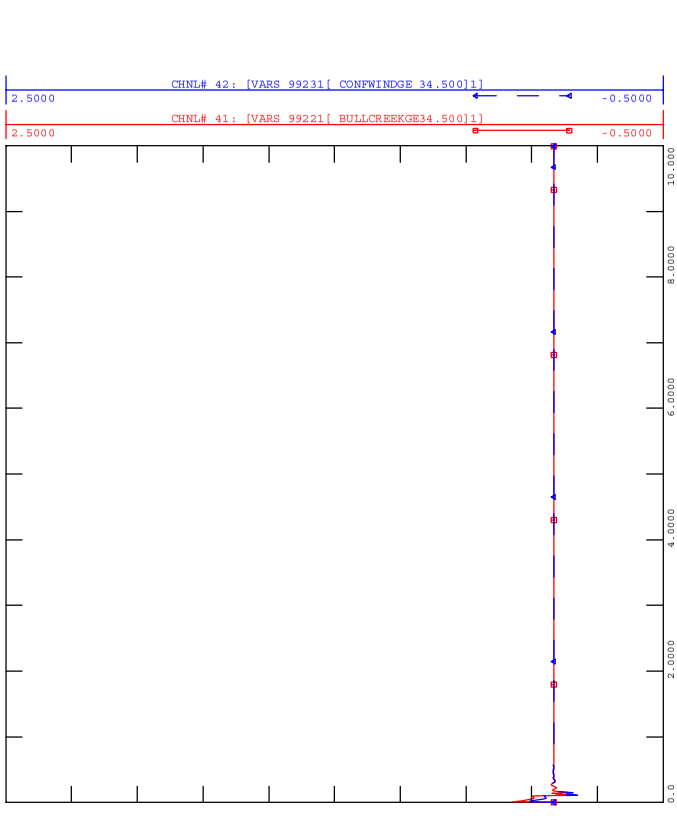


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

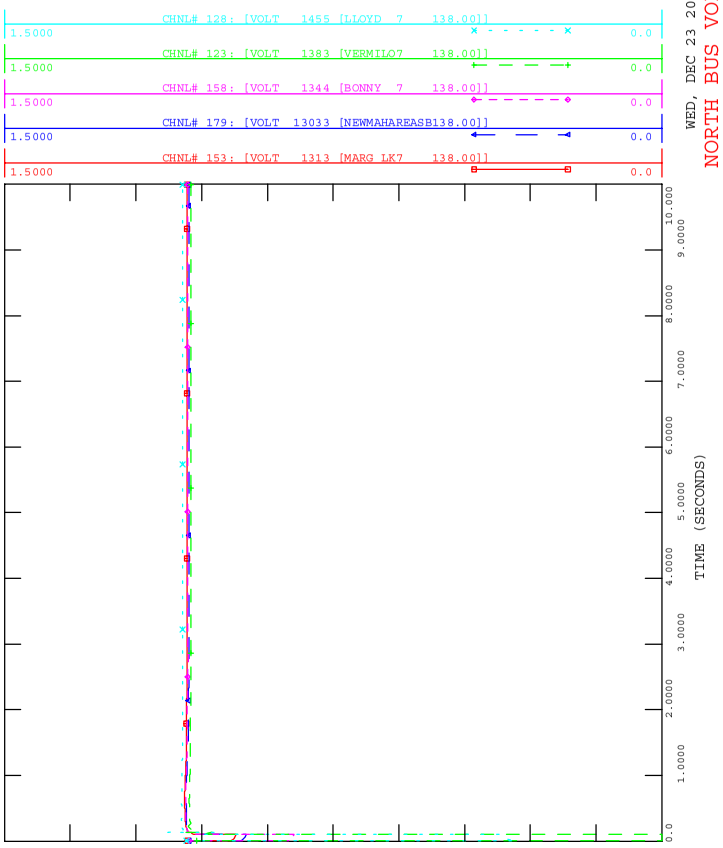


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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NORTH BUS VOLTAGES

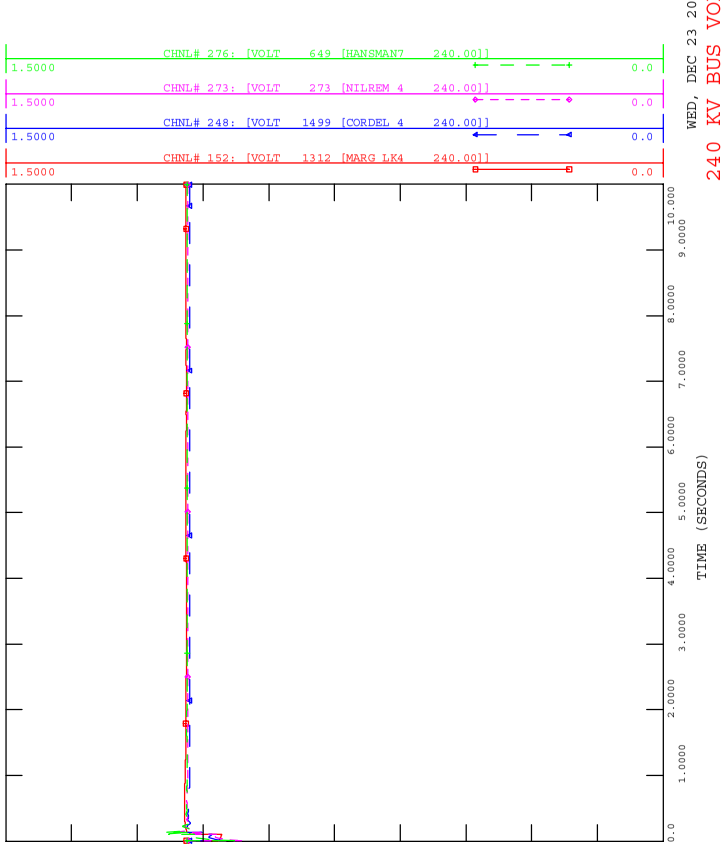


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

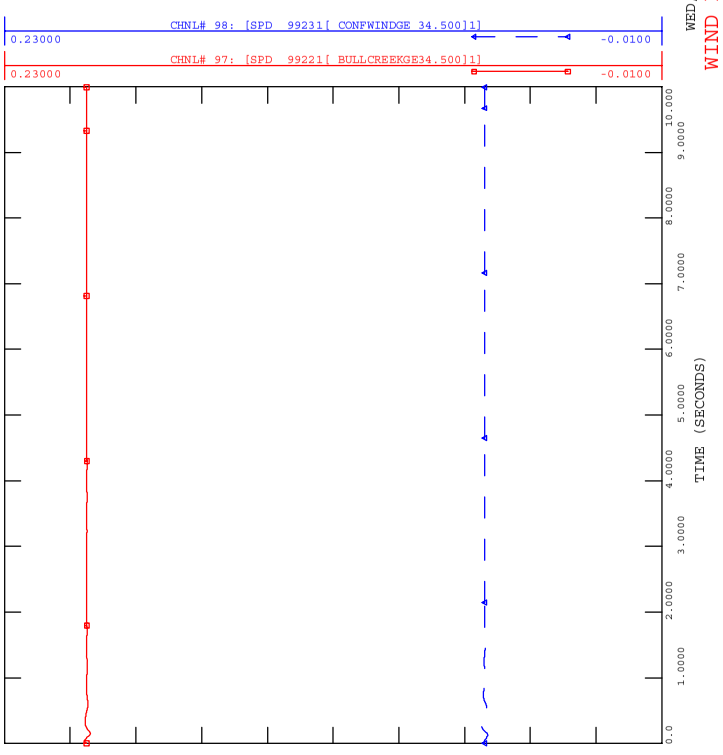


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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WIND MACHINE SPEED

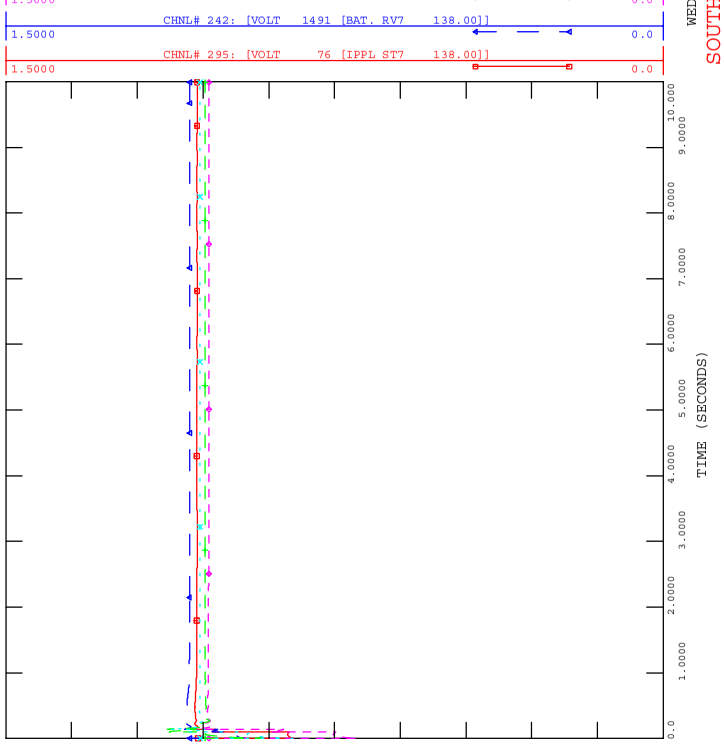


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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SOUTH BUS VOLTAGES

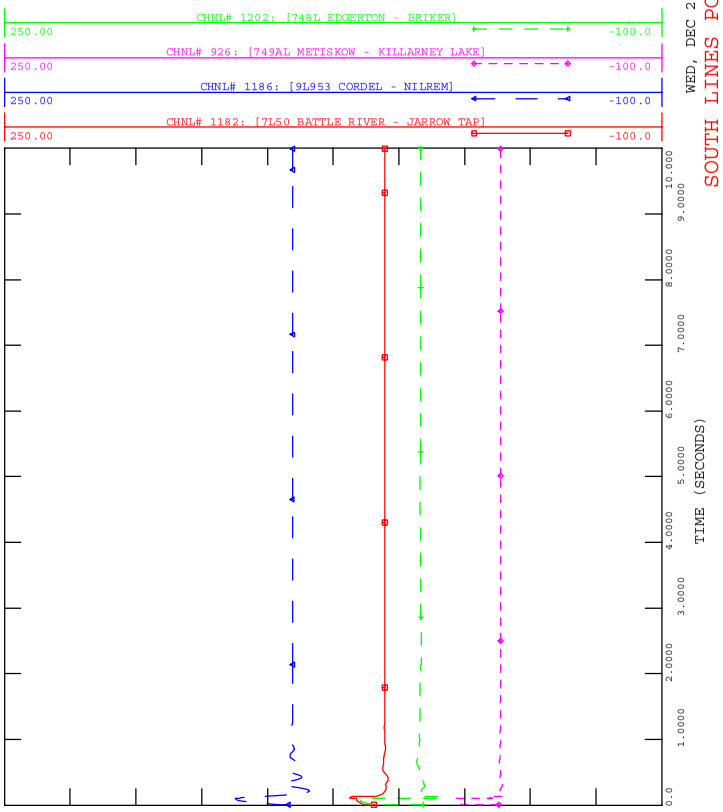


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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SOUTH LINES POWER FLOW

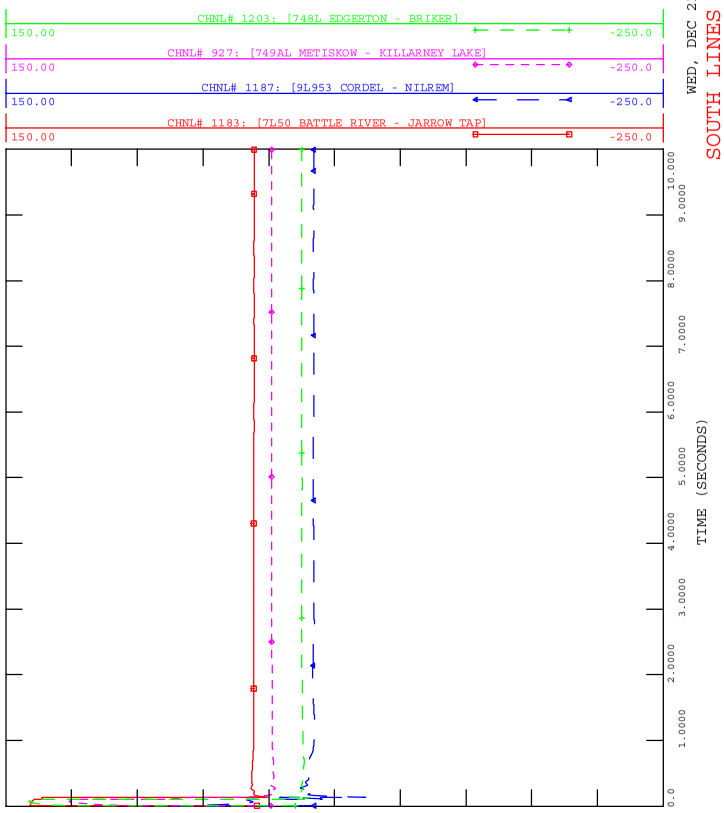


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

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SOUTH LINES VAR FLOW

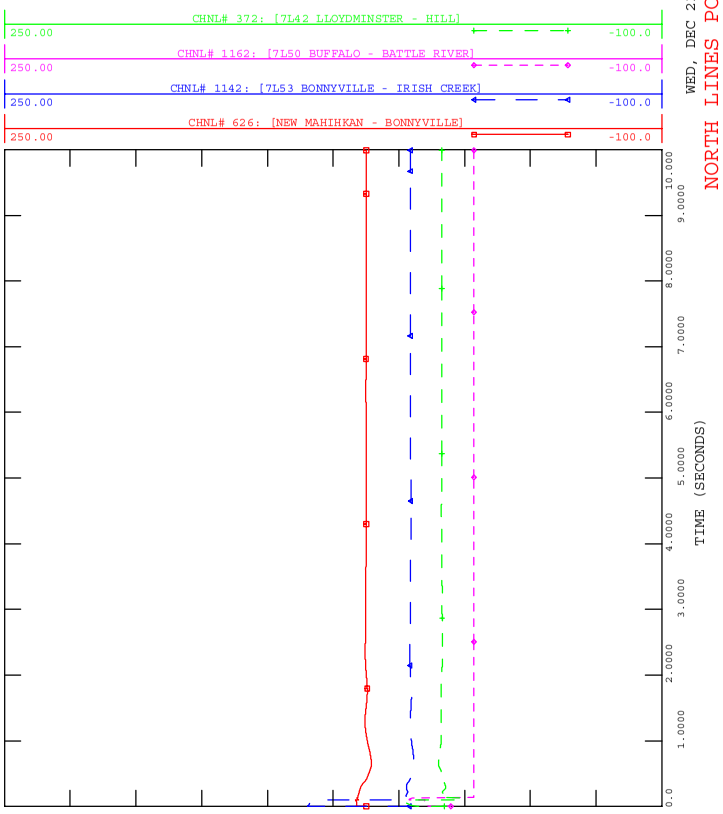


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

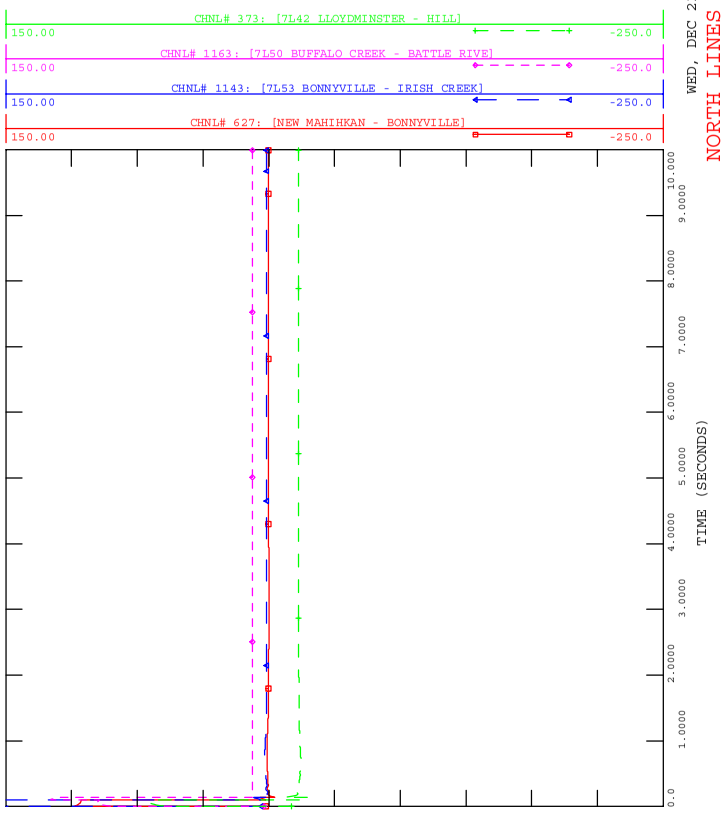


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

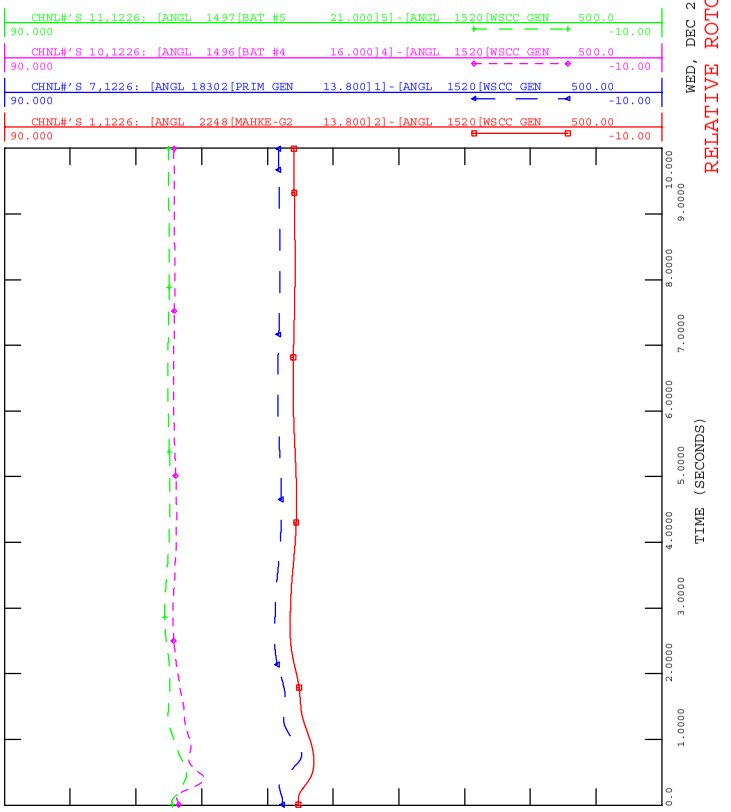


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

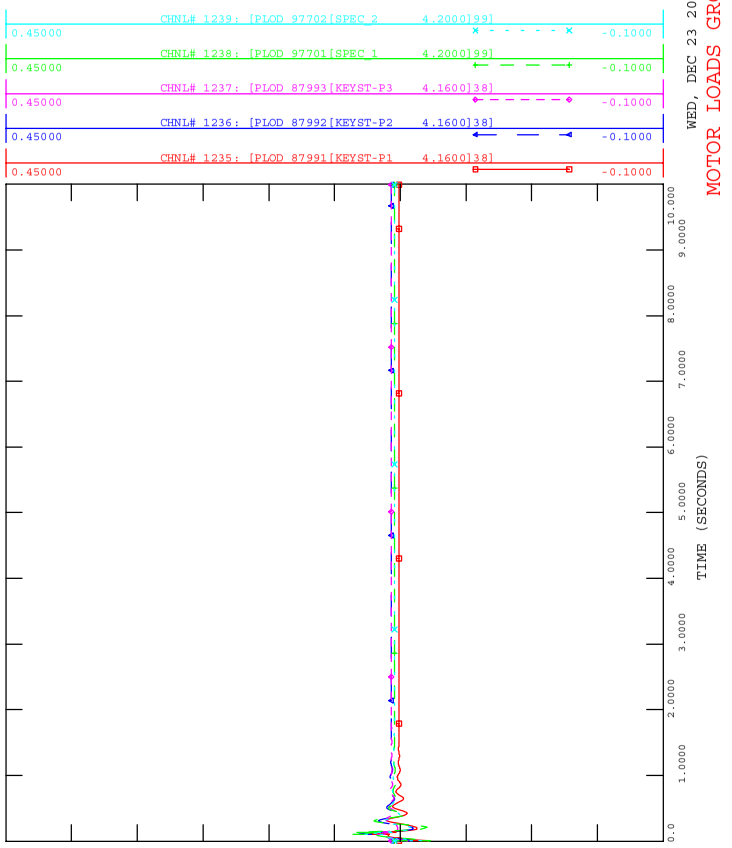


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

WED, DEC 23 2009 14:03

MOTOR LOADS GROUP II

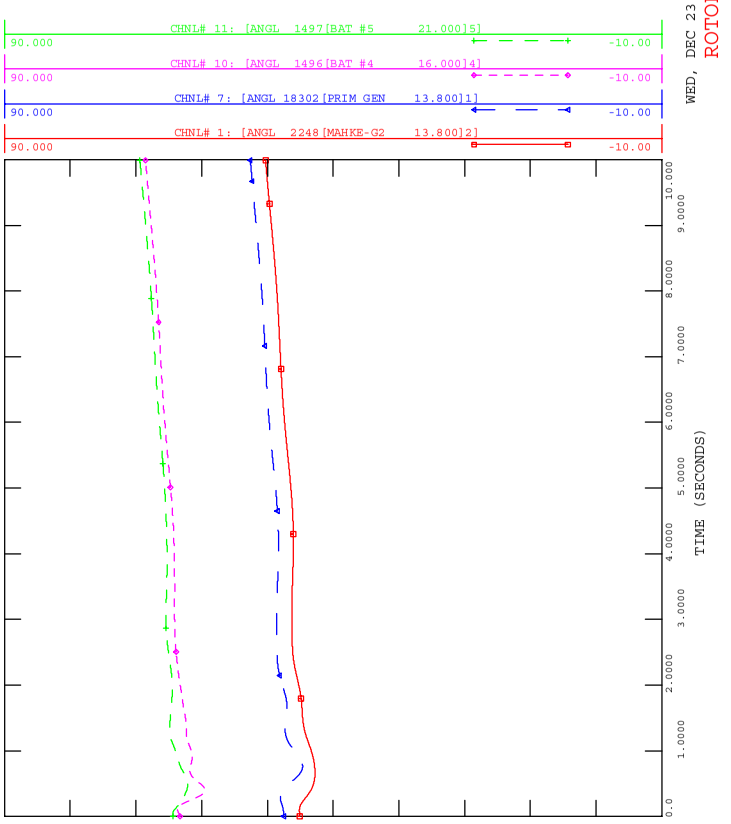


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

WED, DEC 23 2009 14:03

ROTOR ANGLES

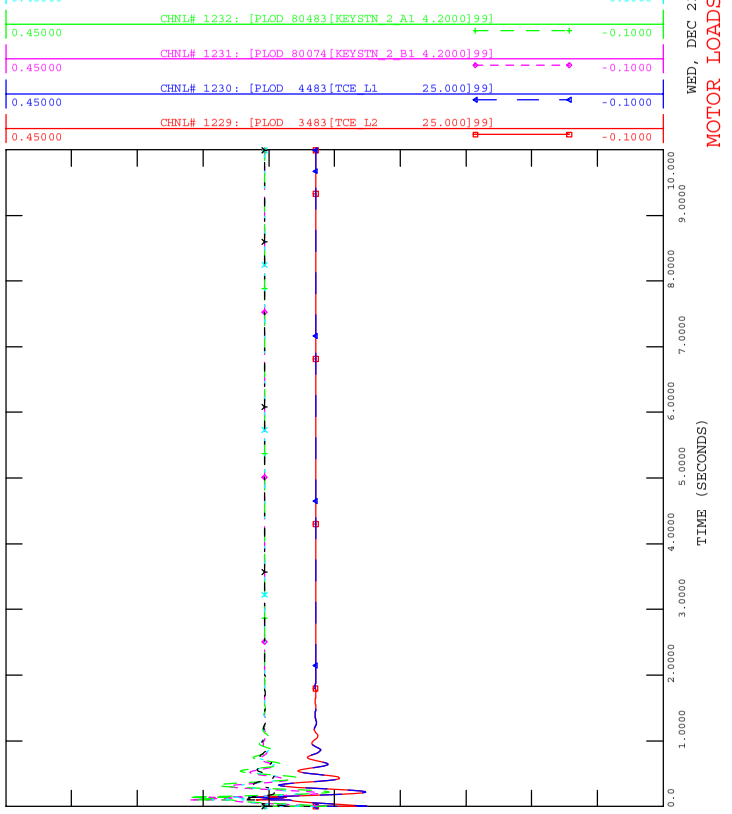


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B4faultout.out

WED, DEC 23 2009 14:03

MOTOR LOADS GROUP I

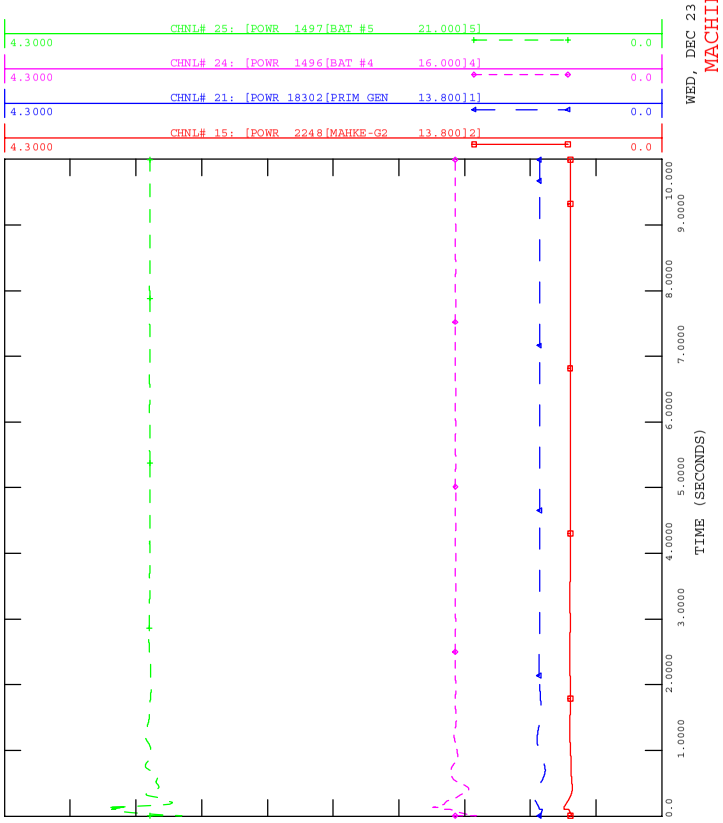


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

MACHINE POWER

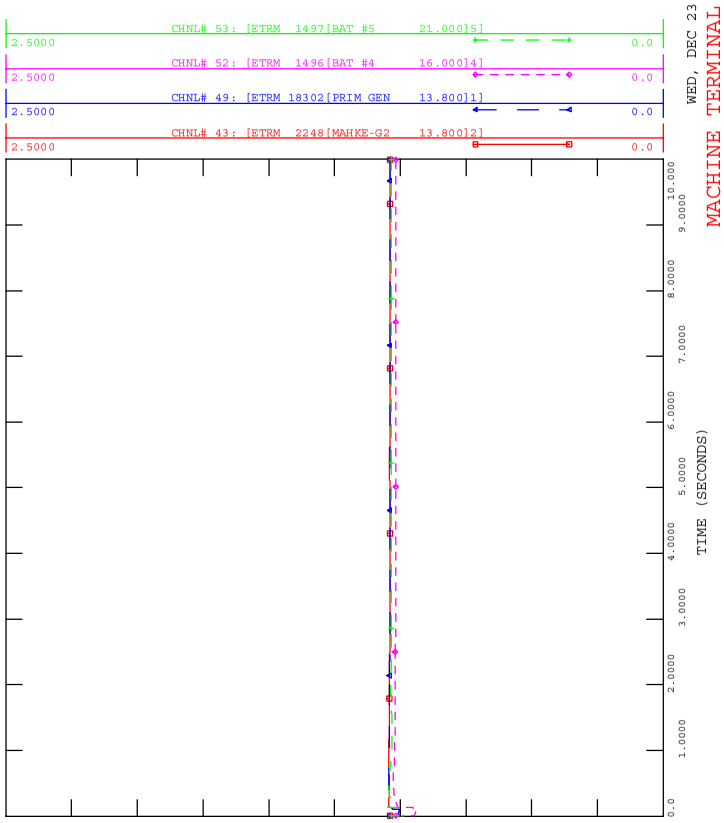


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

MACHINE TERMINAL VOLTAGE

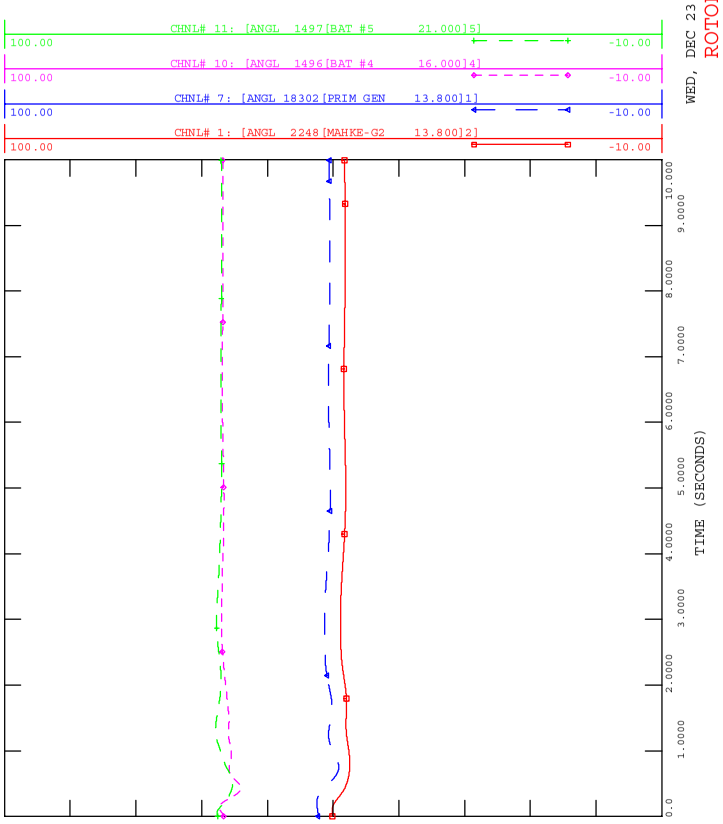


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

ROTOR ANGLES

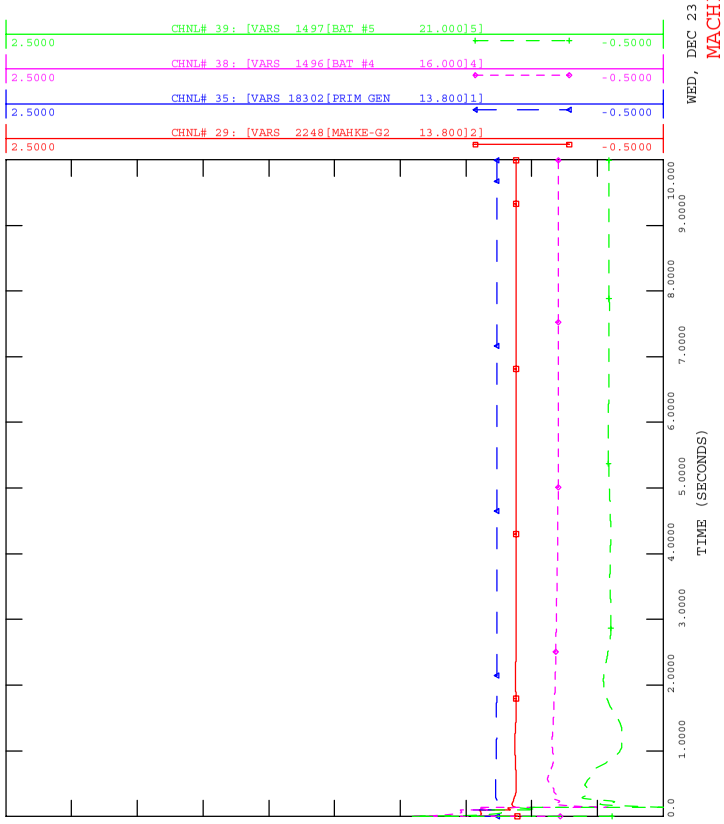


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

MACHINE VARS

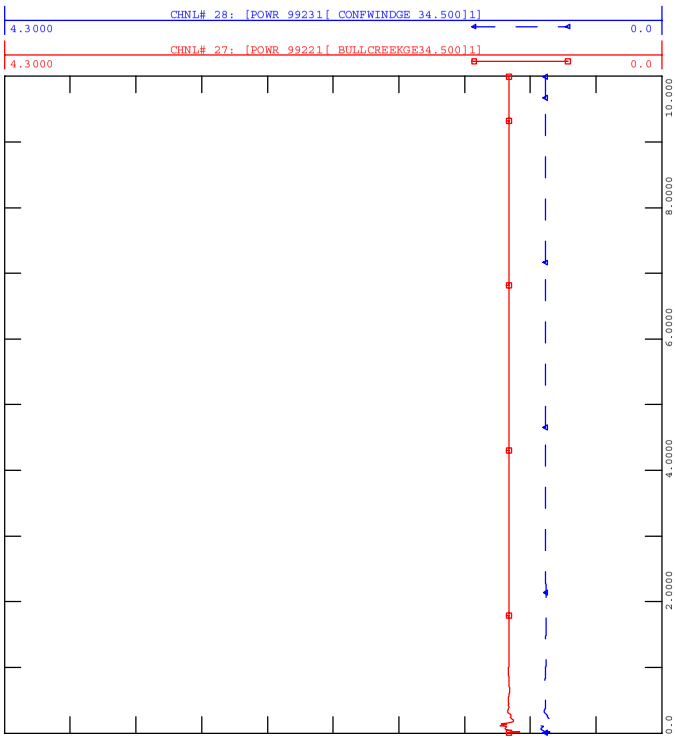


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

WIND MACHINE POWER

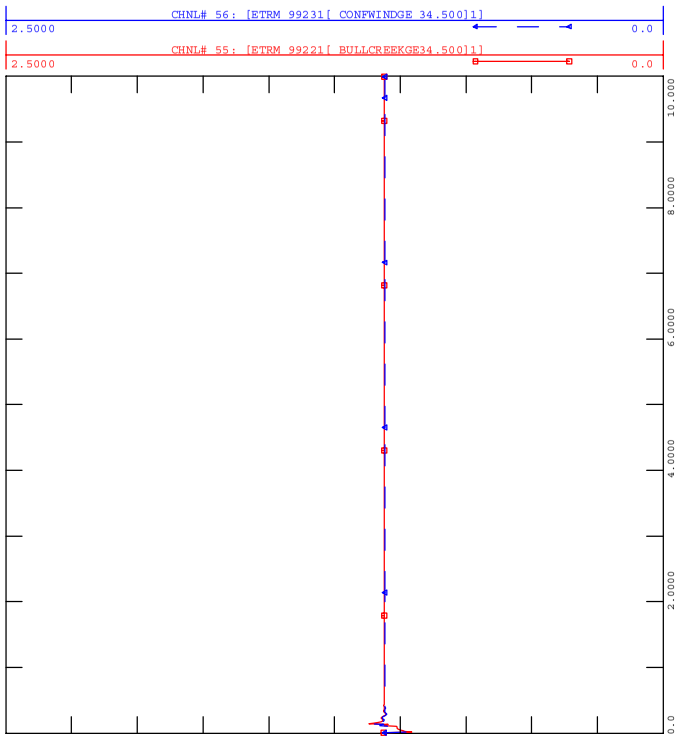


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

WIND MACH. TERMINAL VOLTS

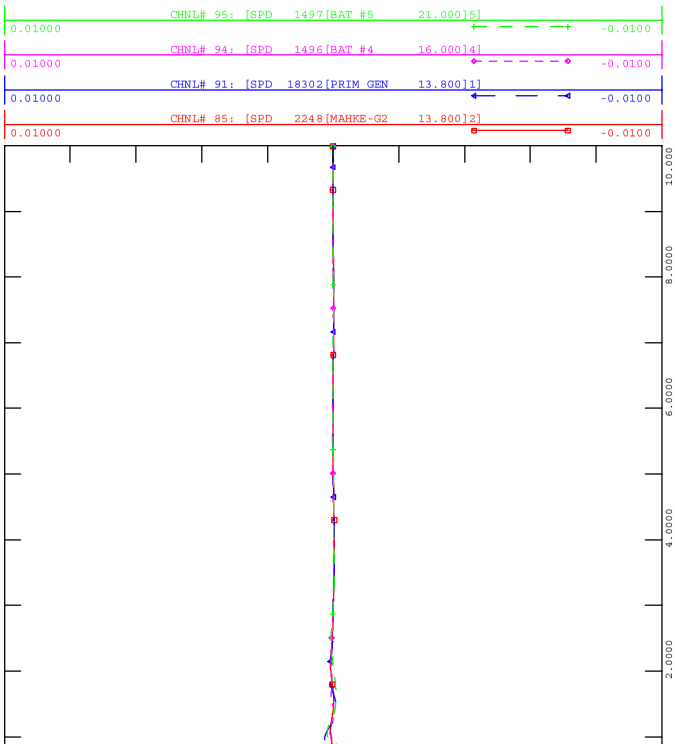


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

MACHINE SPEED

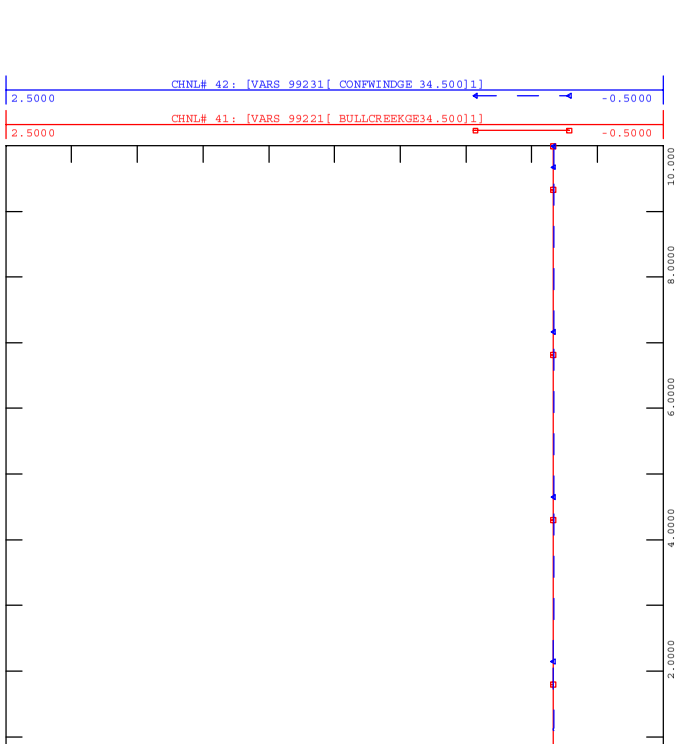


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

WIND MACHINE VARS

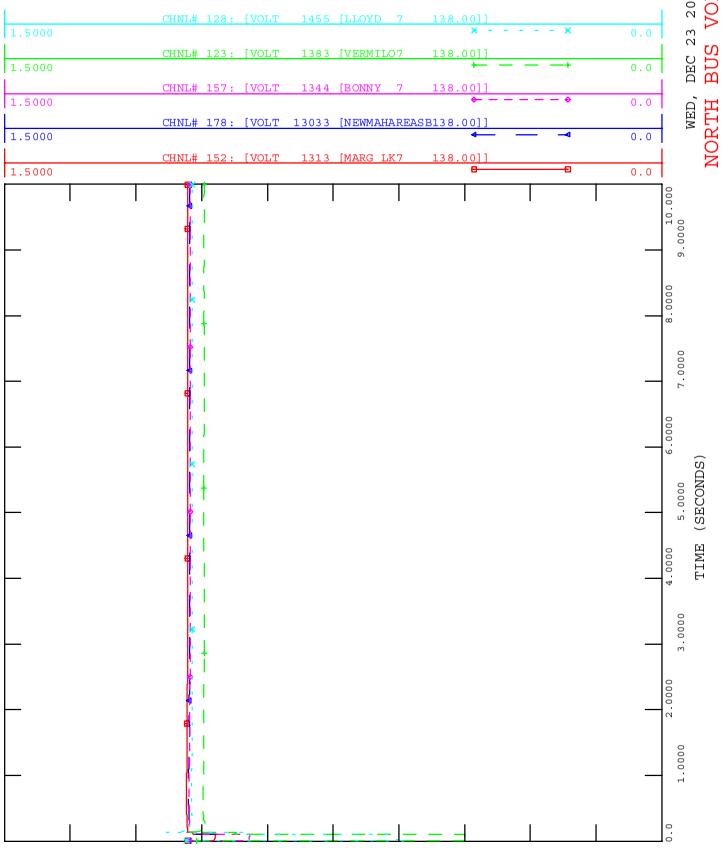


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

NORTH BUS VOLTAGES

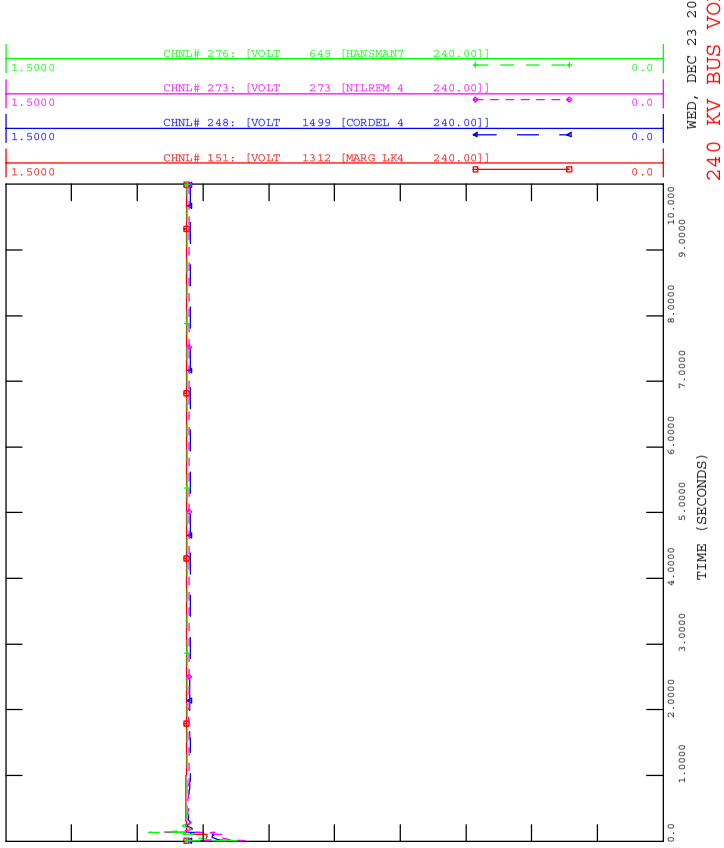


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

240 KV BUS VOLTAGES

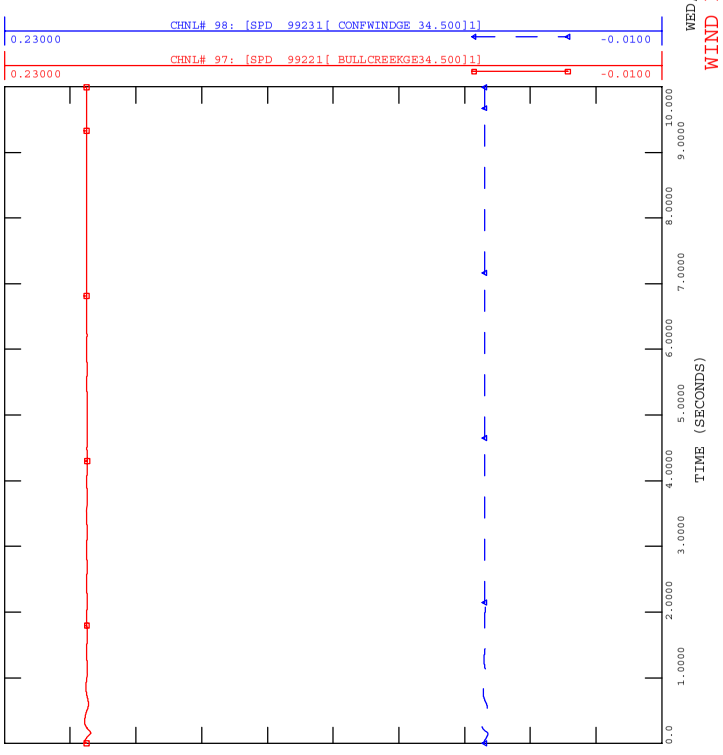


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

WIND MACHINE SPEED

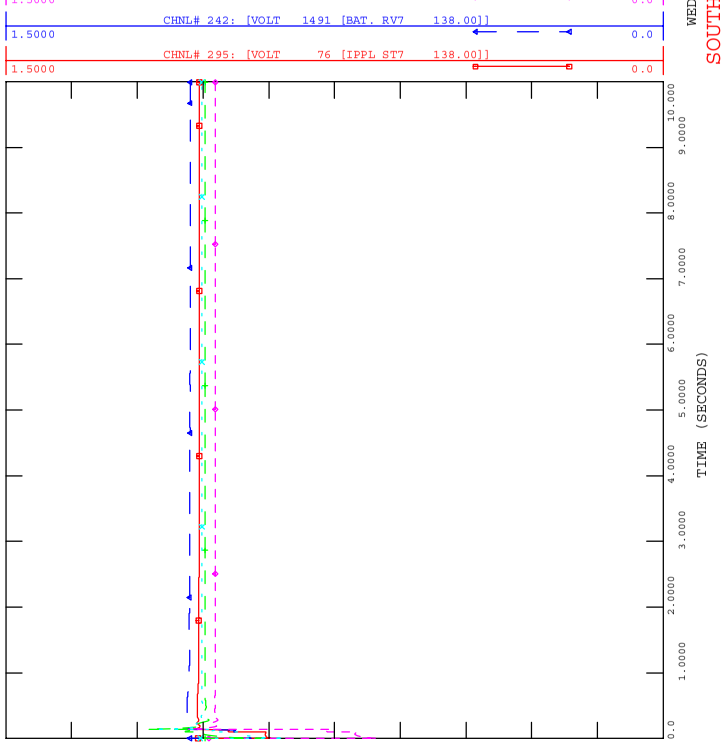


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

SOUTH BUS VOLTAGES

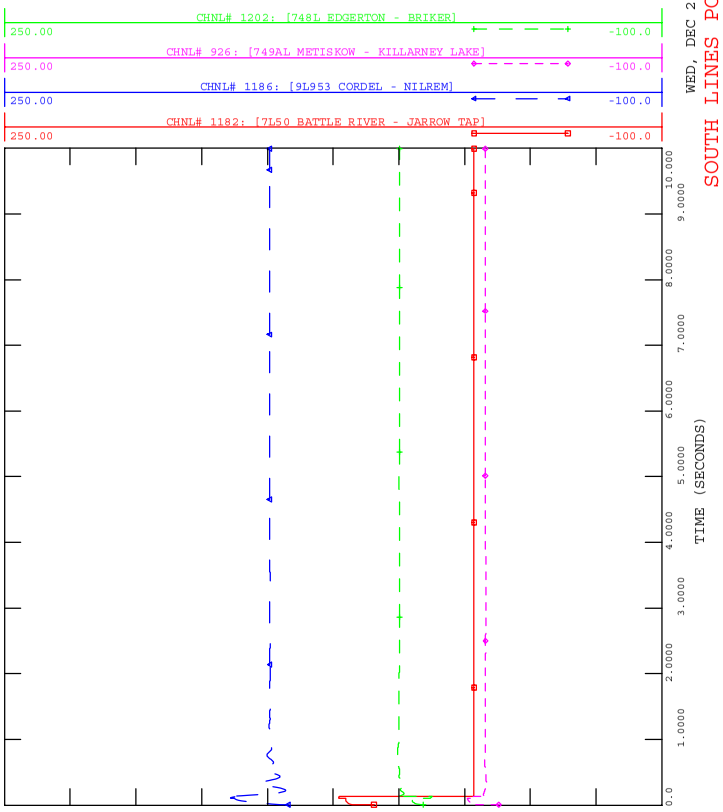


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

SOUTH LINES POWER FLOW

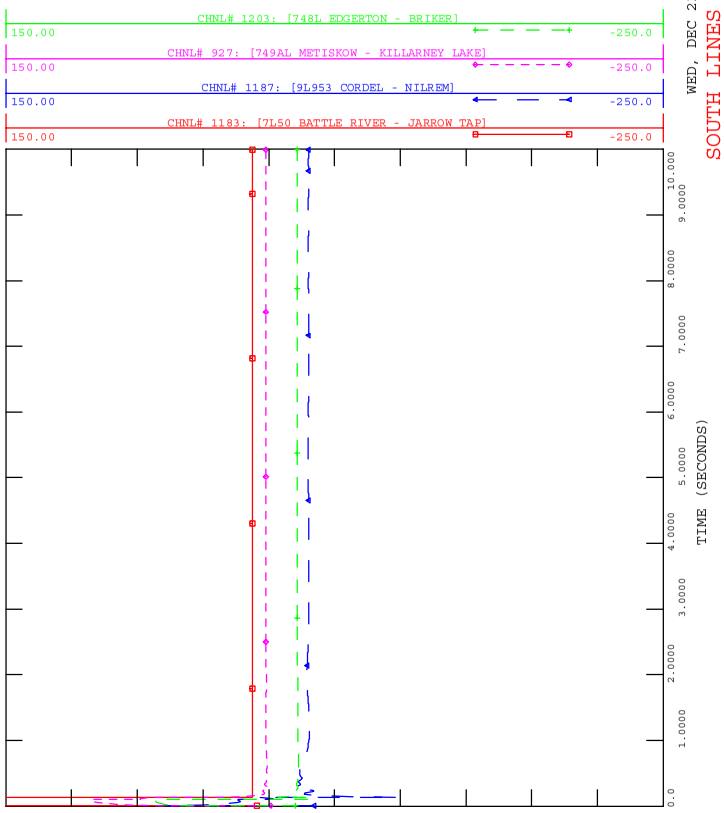


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

SOUTH LINES VAR FLOW

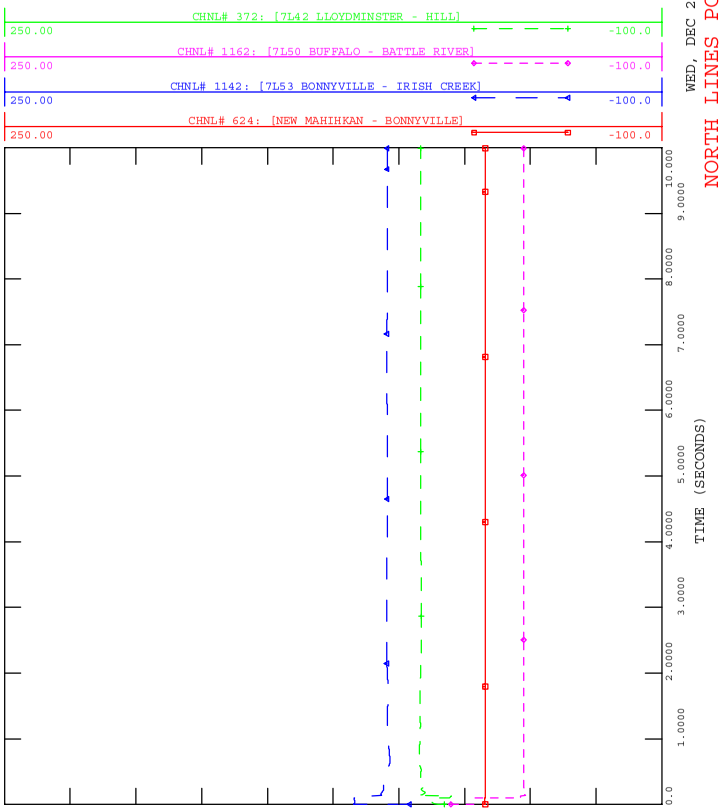


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

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NORTH LINES POWER FLOW

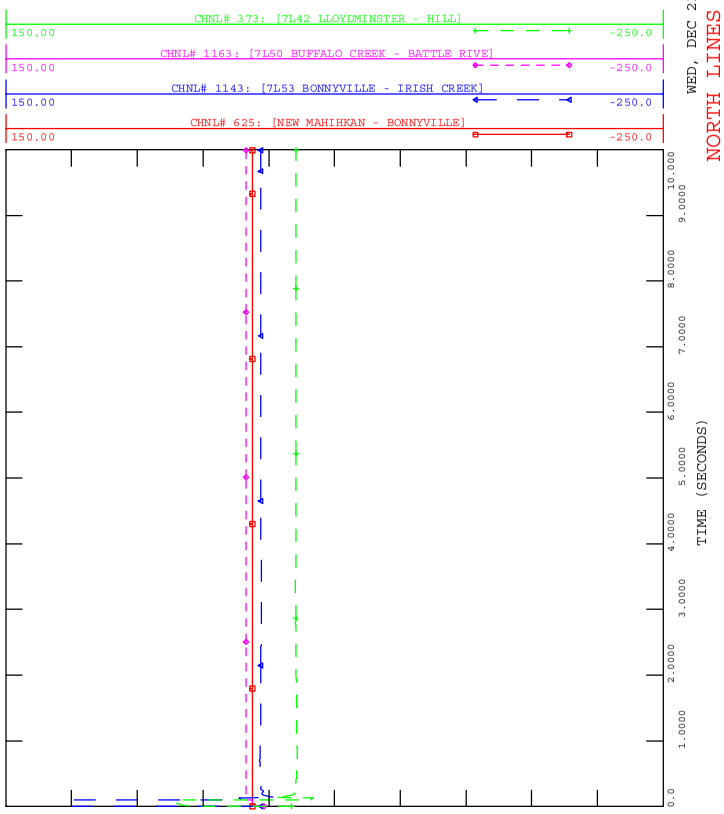


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

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NORTH LINES VAR FLOW

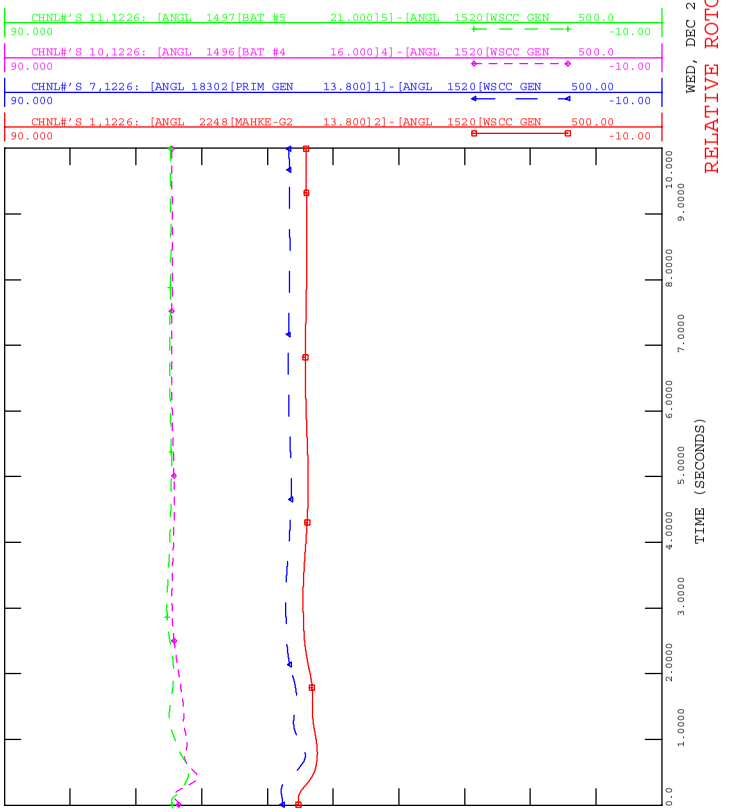


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

RELATIVE ROTOR ANGLES

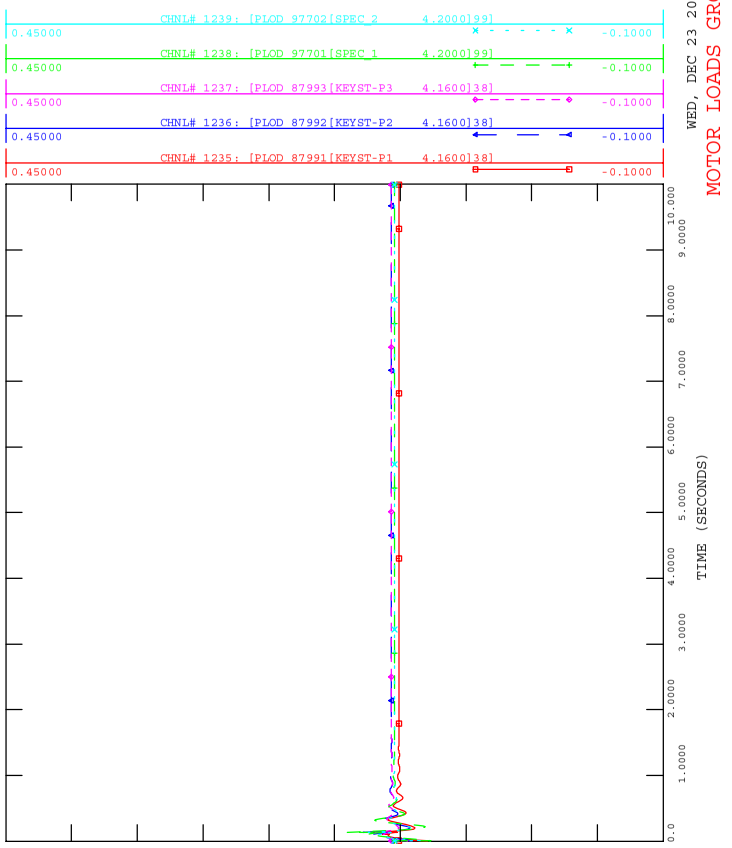


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

MOTOR LOADS GROUP II

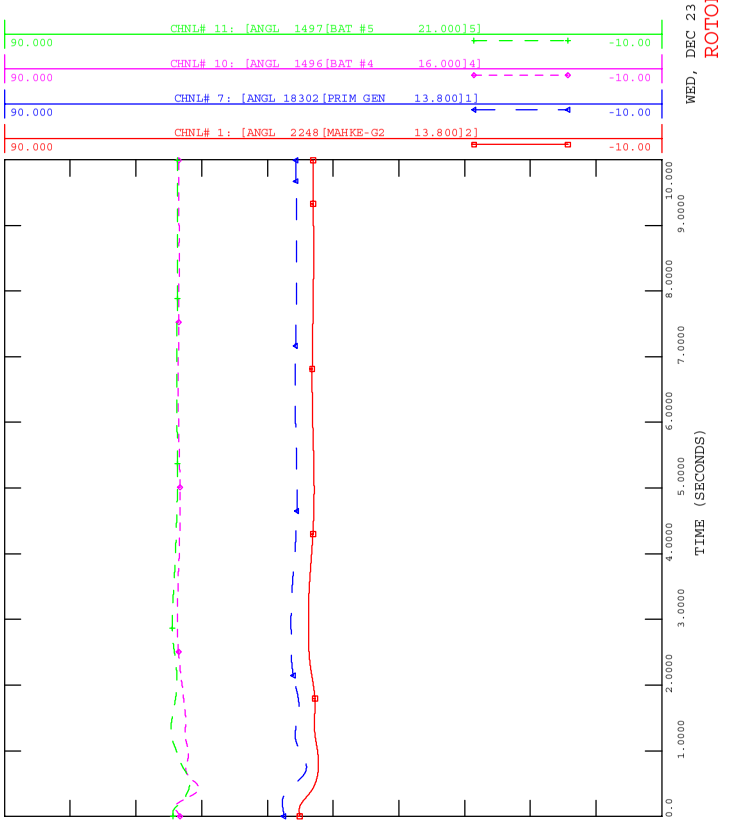


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

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ROTOR ANGLES

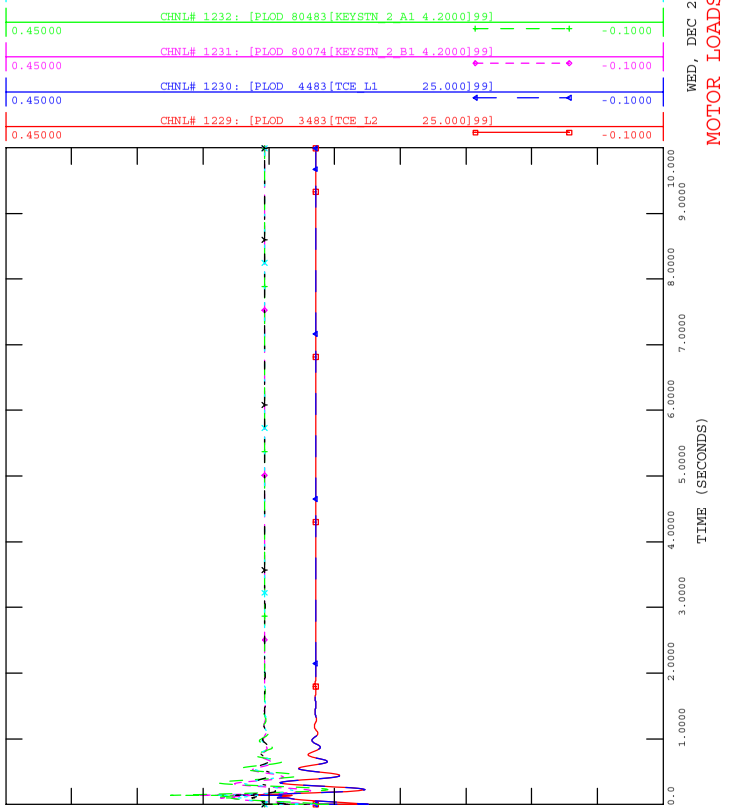


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B5faultout.out

WED, DEC 23 2009 14:03

MOTOR LOADS GROUP I

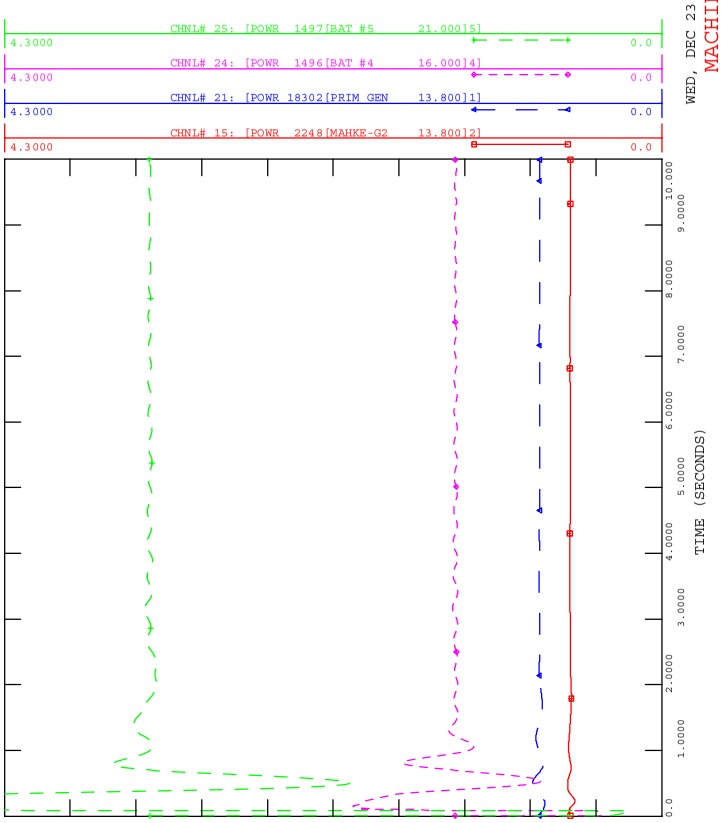


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:03

MACHINE POWER

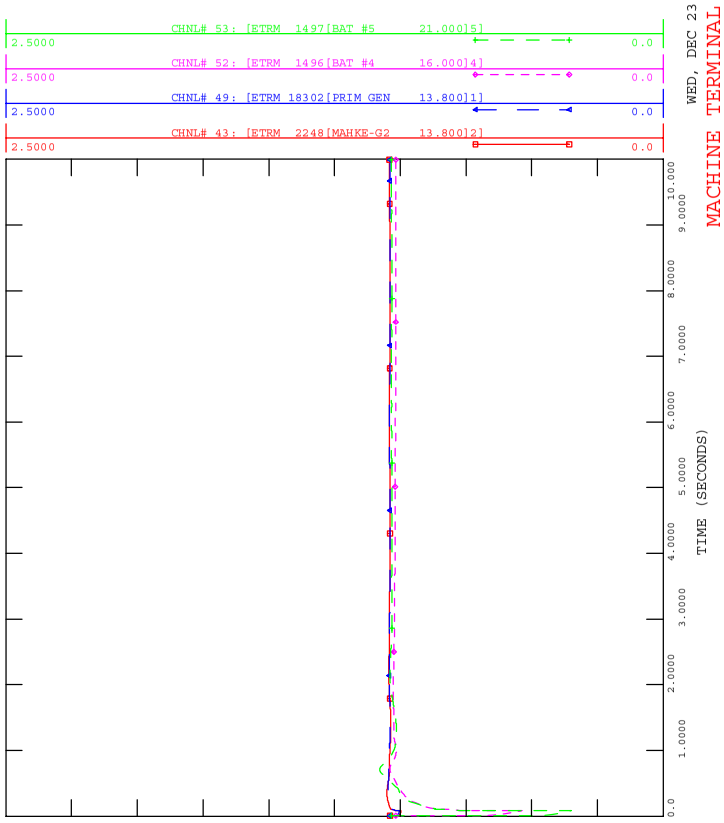


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:03

MACHINE TERMINAL VOLTAGE

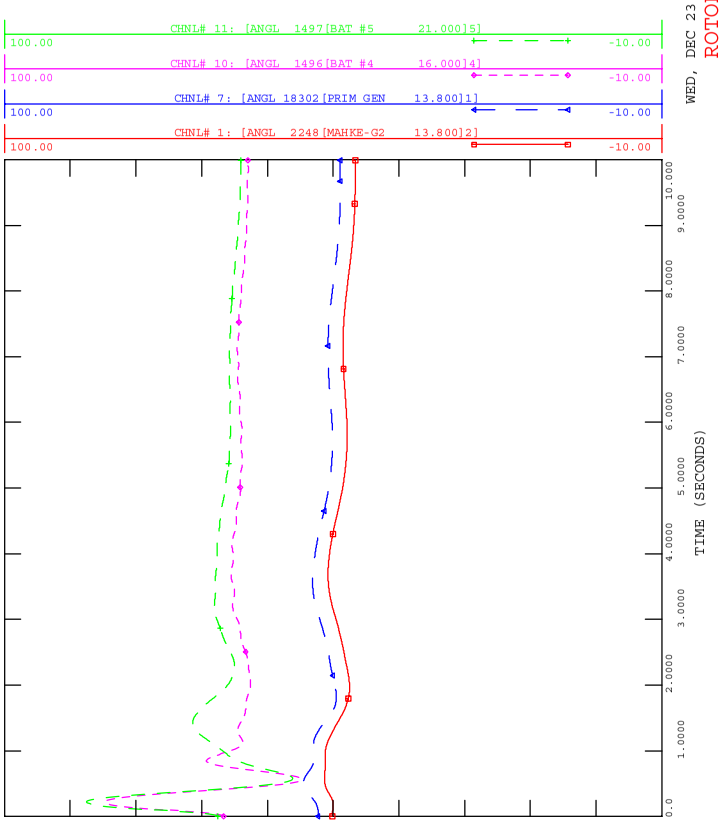


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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ROTOR ANGLES

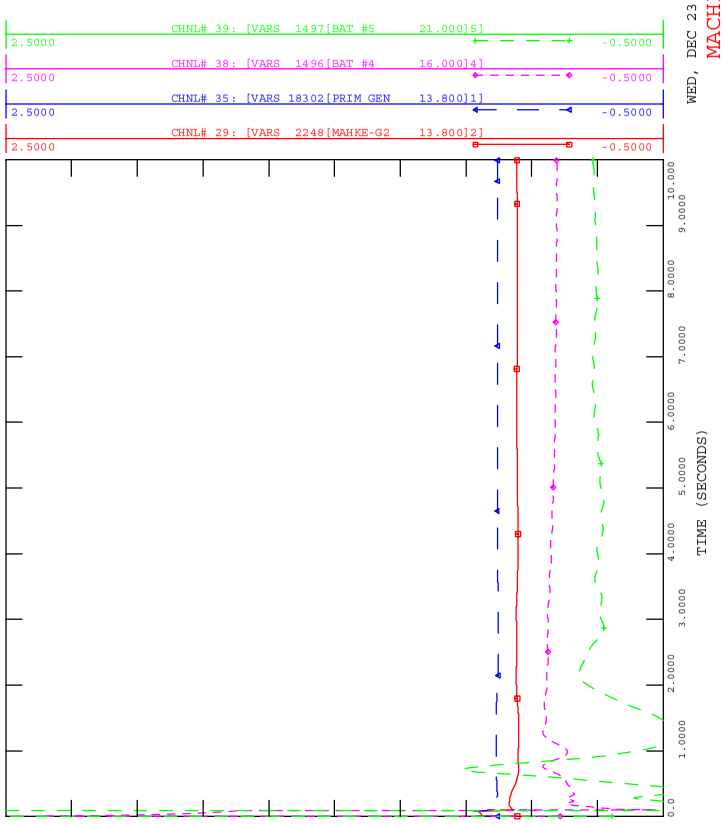


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:03

MACHINE VARS

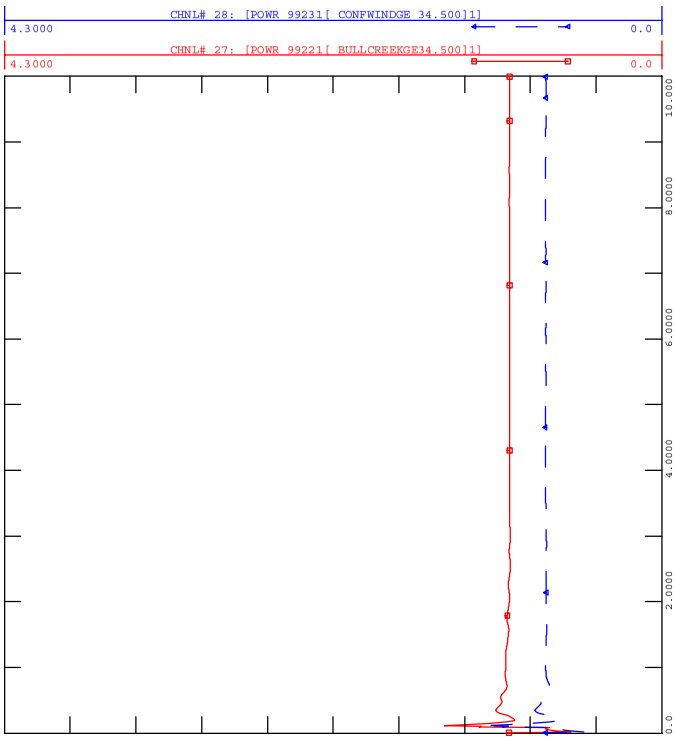


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

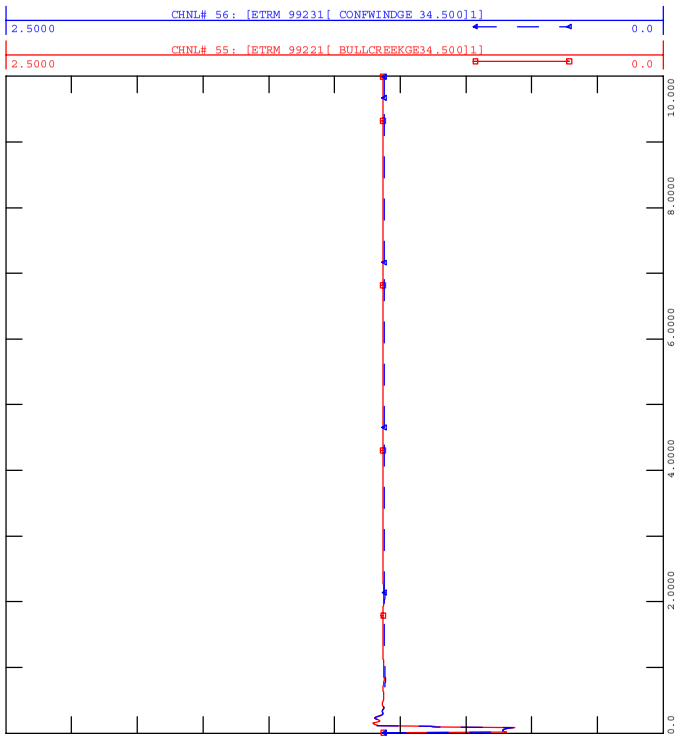


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

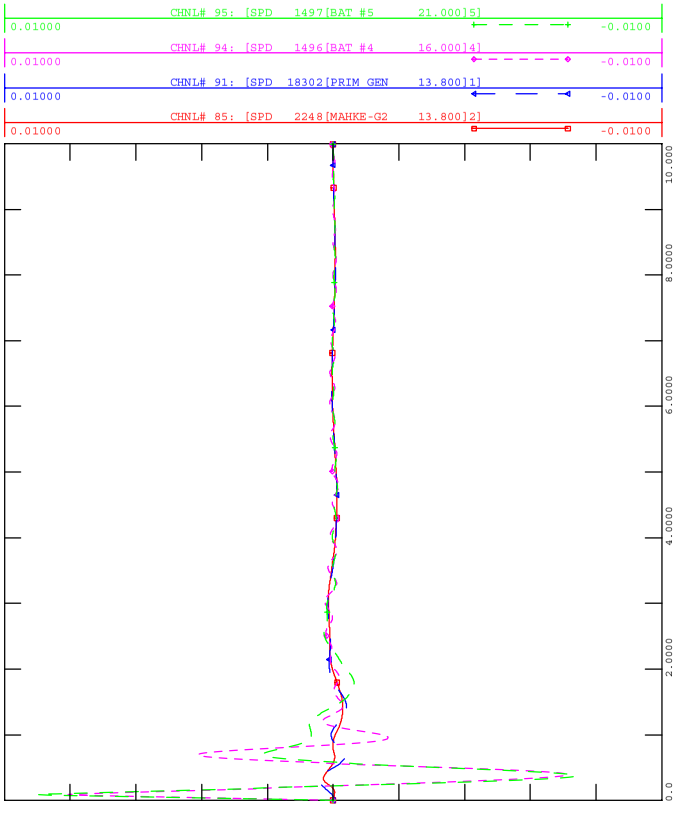


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:03

MACHINE SPEED

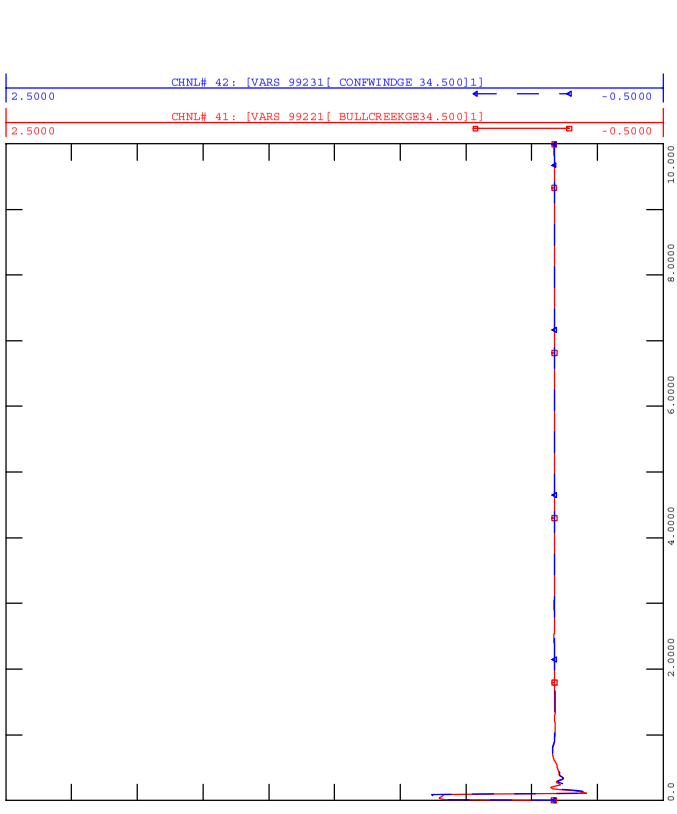


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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WIND MACHINE VARS

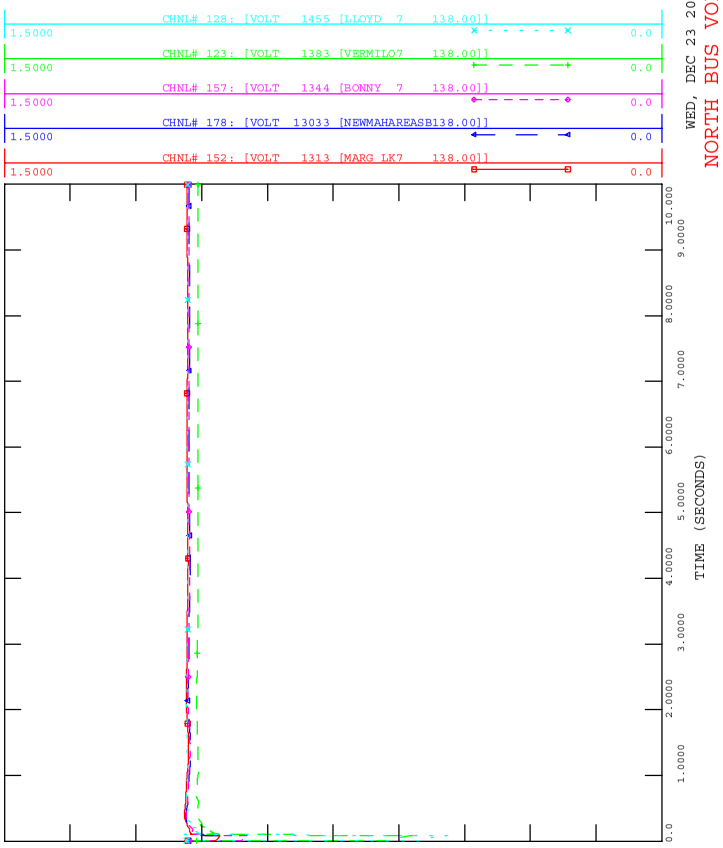


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

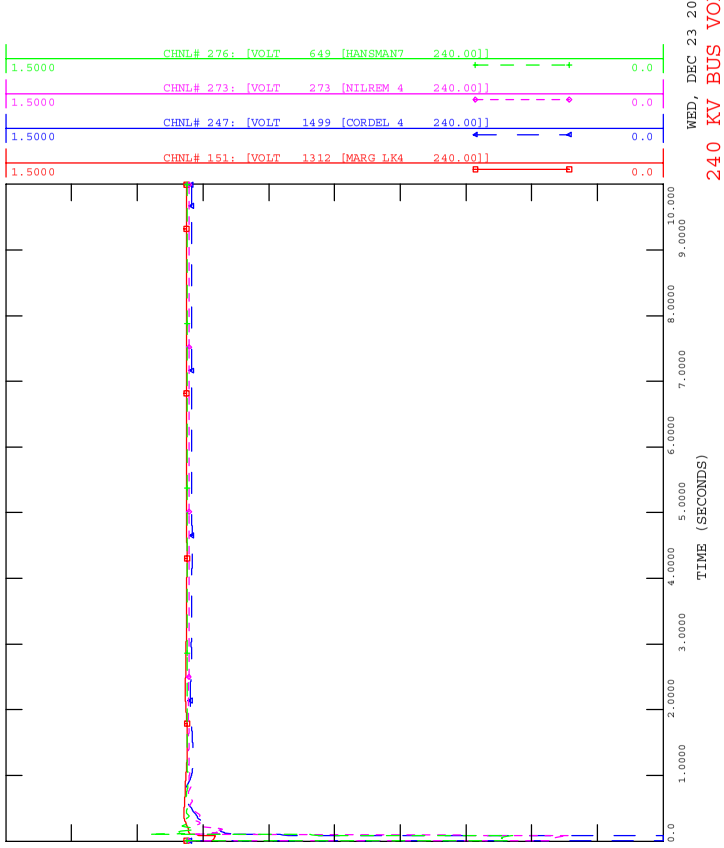


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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240 KV BUS VOLTAGES

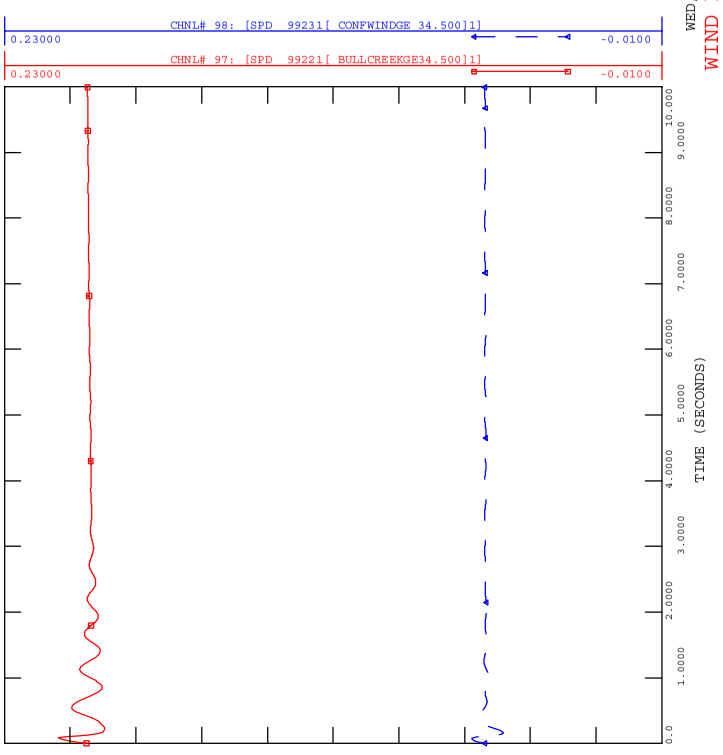


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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WIND MACHINE SPEED

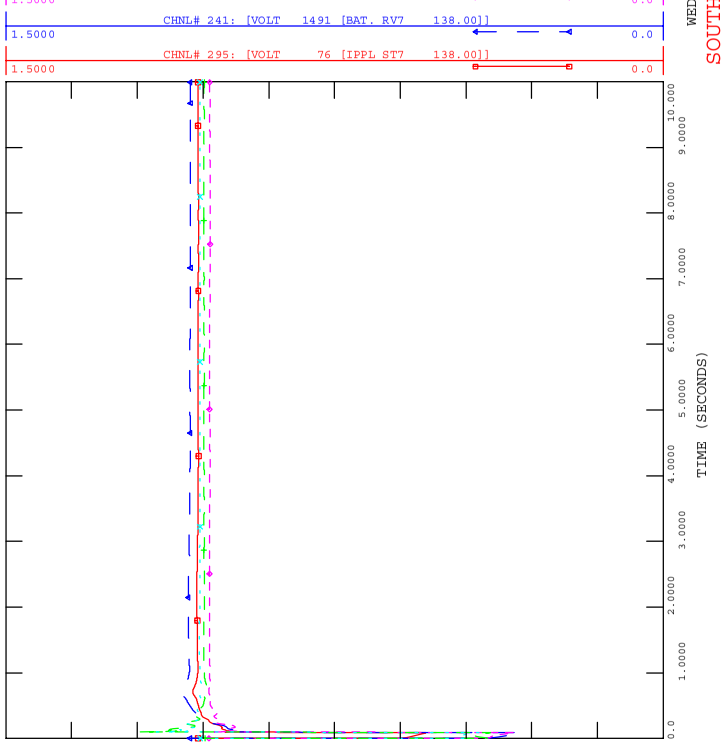


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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SOUTH BUS VOLTAGES

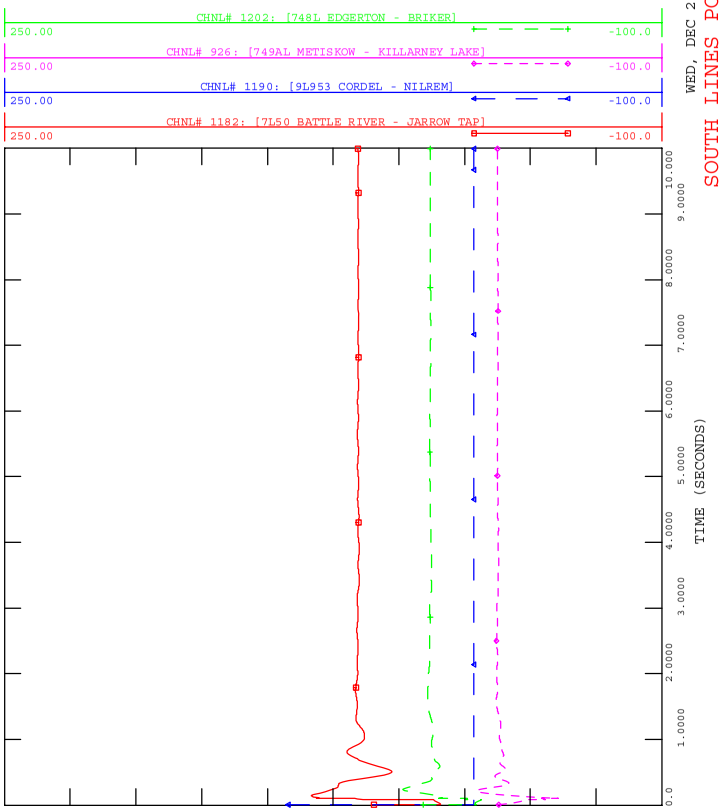


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

SOUTH LINES POWER FLOW

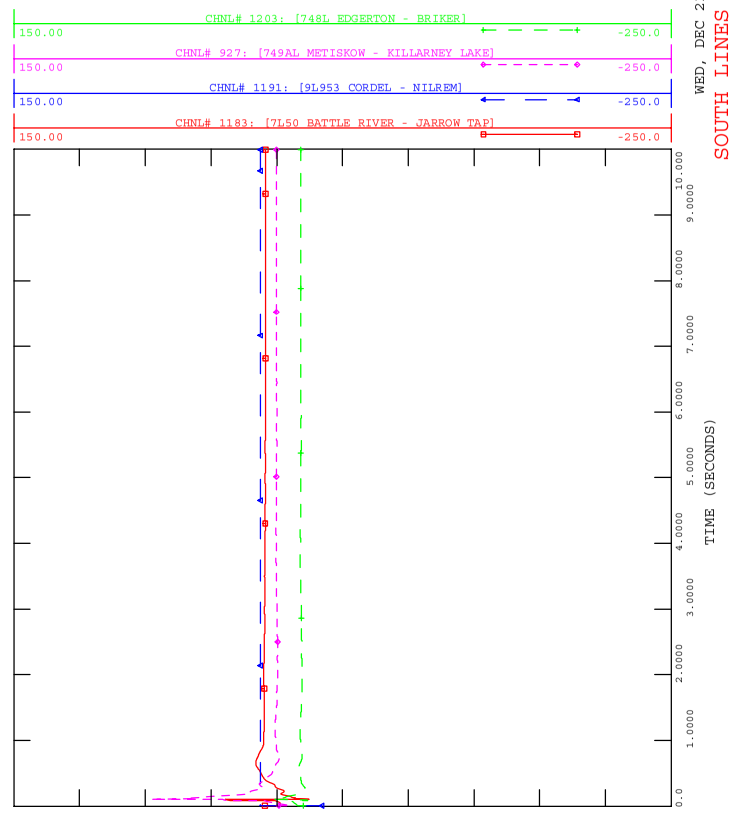


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

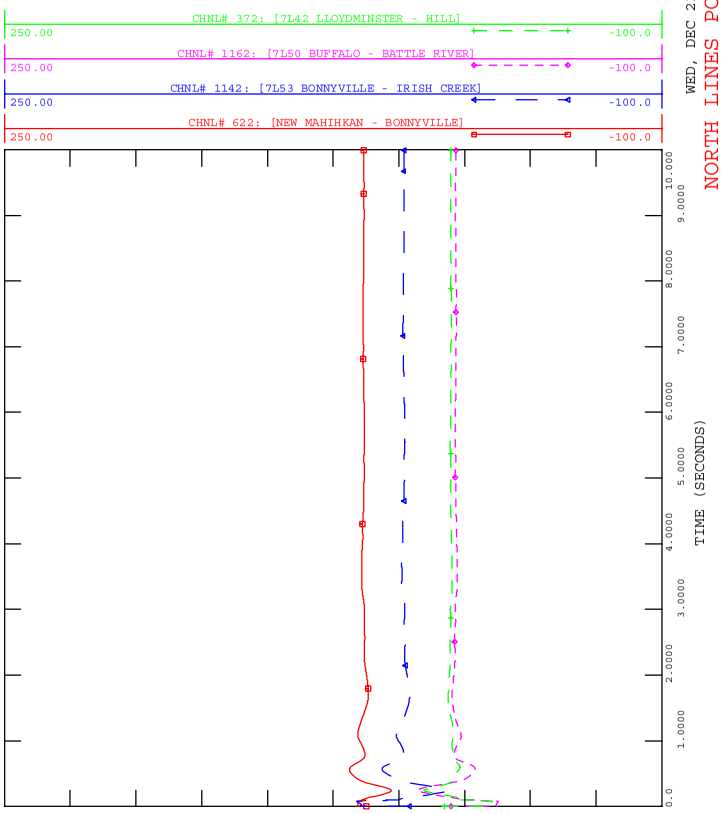


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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NORTH LINES POWER FLOW

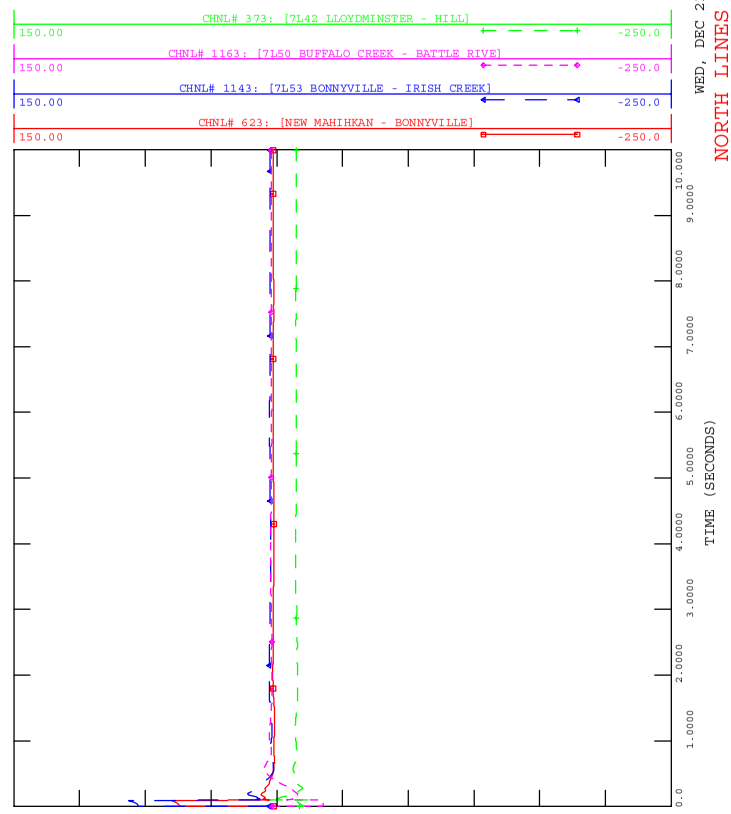


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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NORTH LINES VAR FLOW

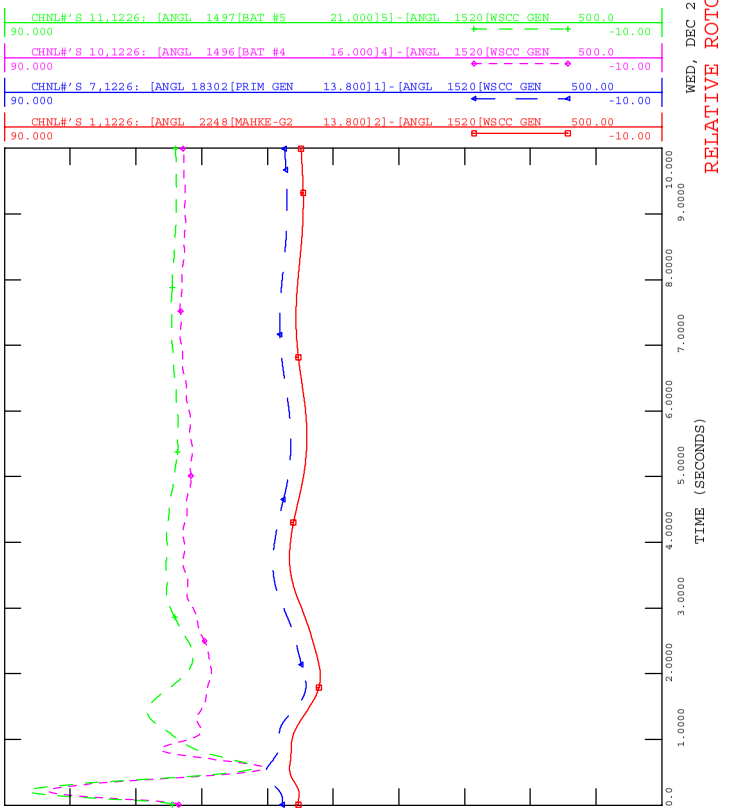


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

RELATIVE ROTOR ANGLES

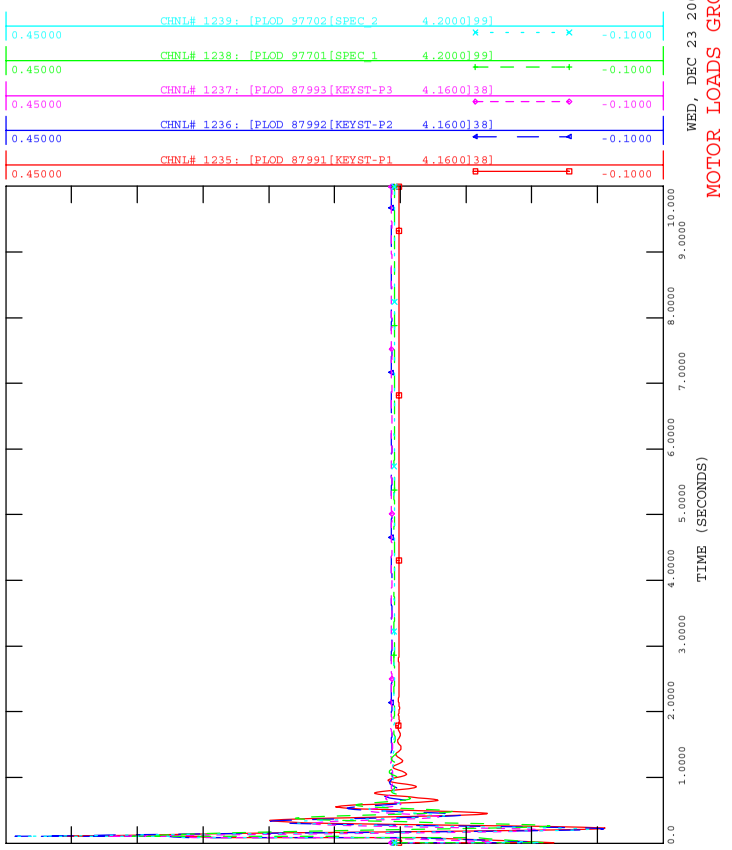


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

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MOTOR LOADS GROUP II

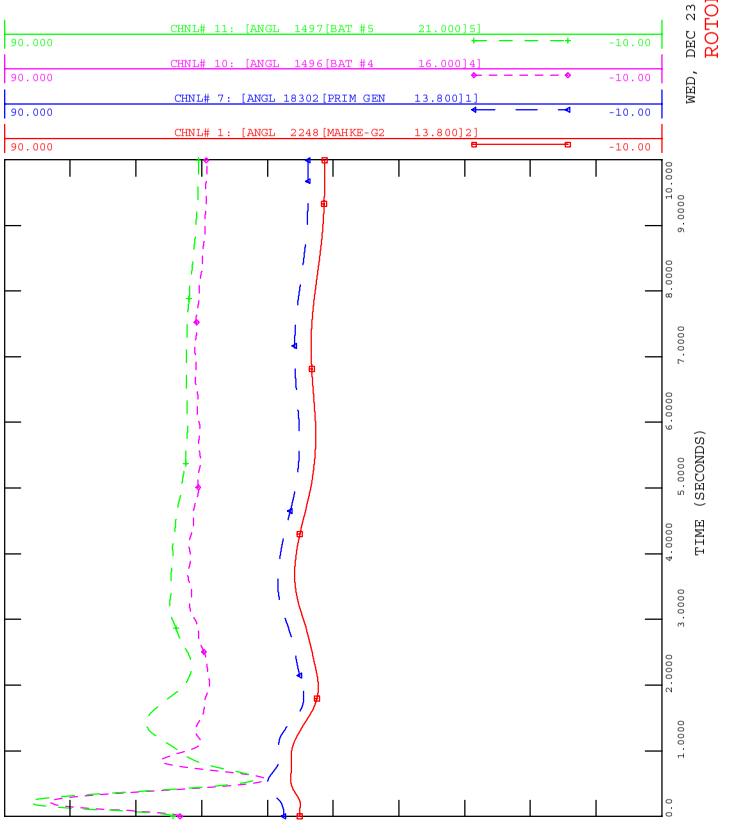


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

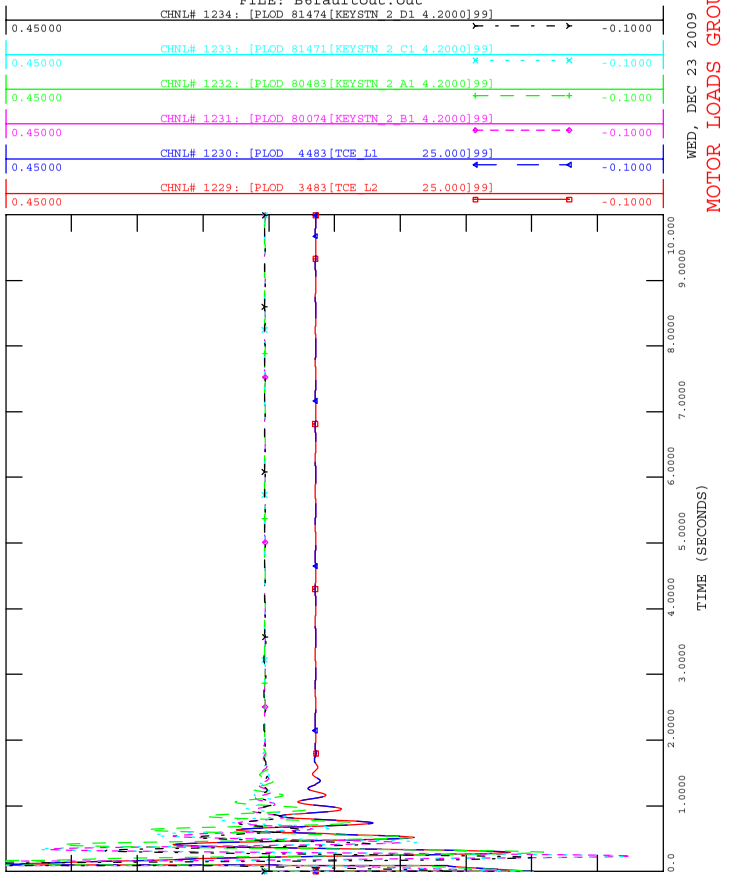


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B6faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP I

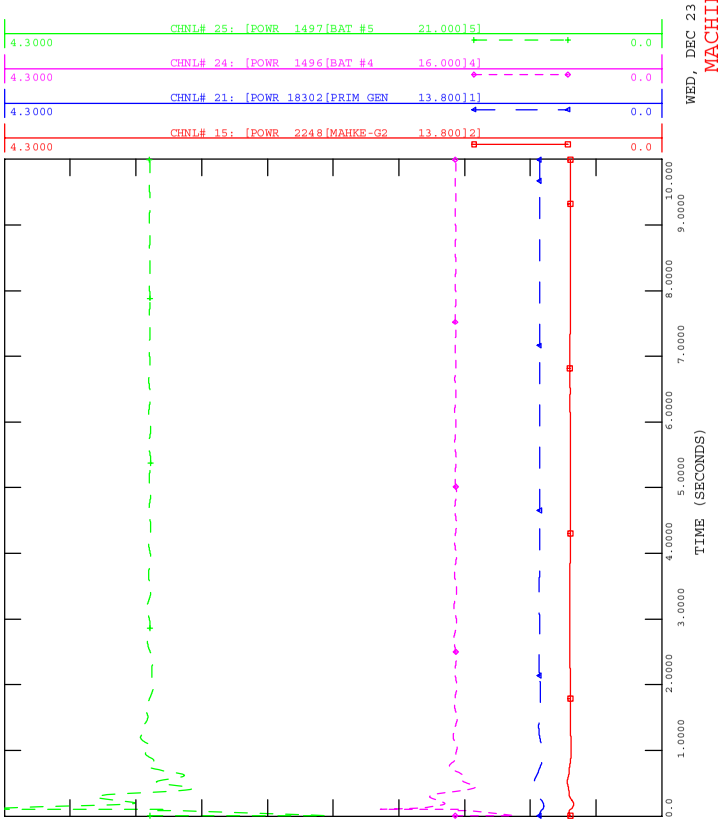


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

MACHINE POWER

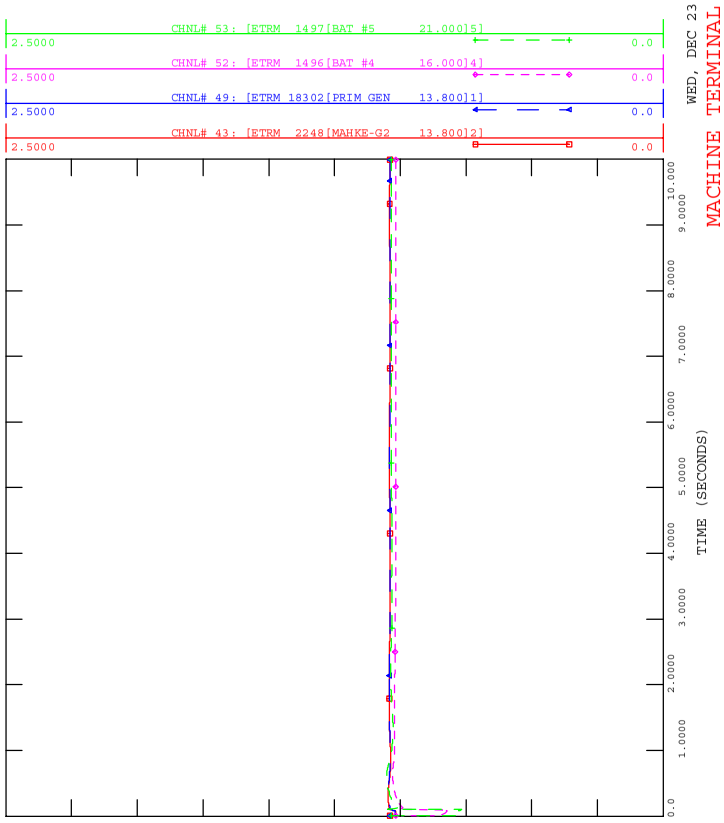


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

MACHINE TERMINAL VOLTAGE

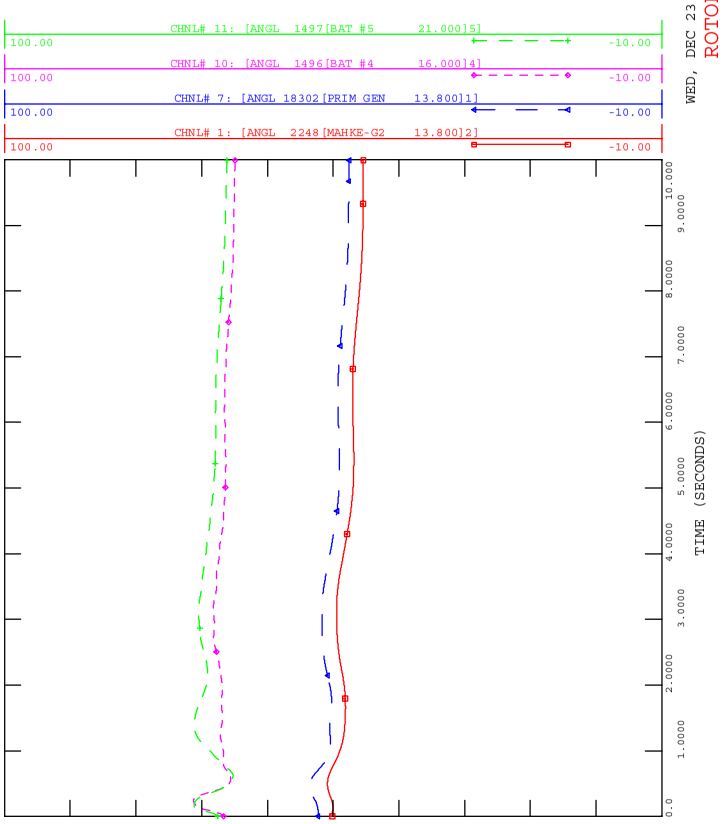


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:04

ROTOR ANGLES

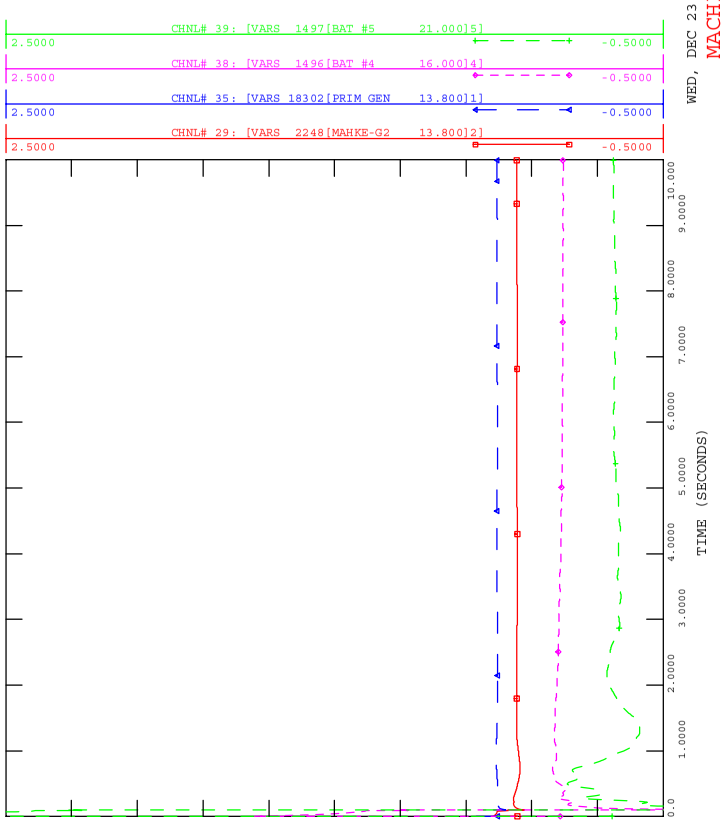


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

MACHINE VARS

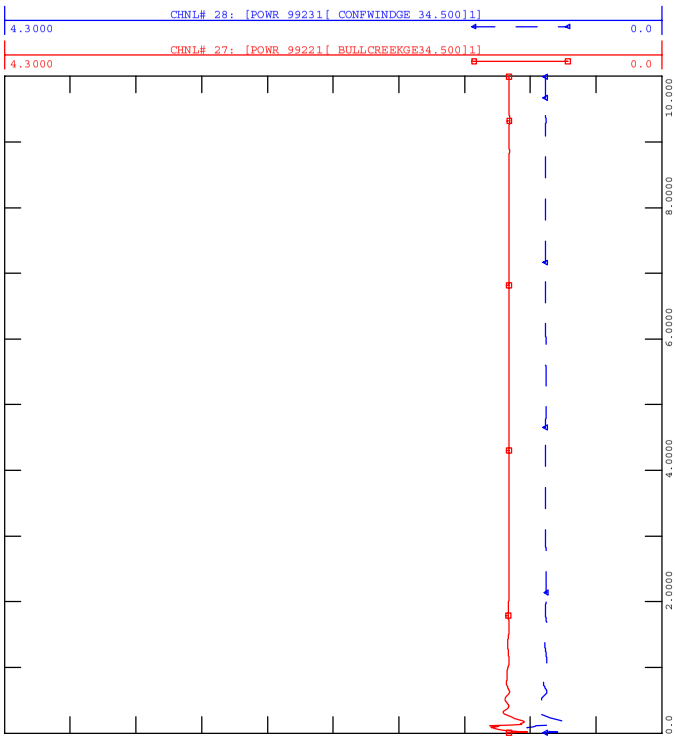


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

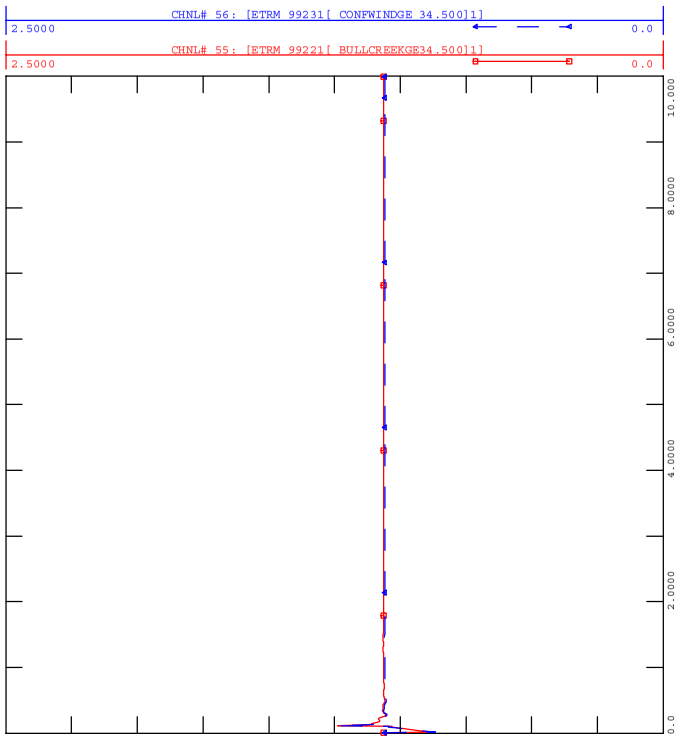


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

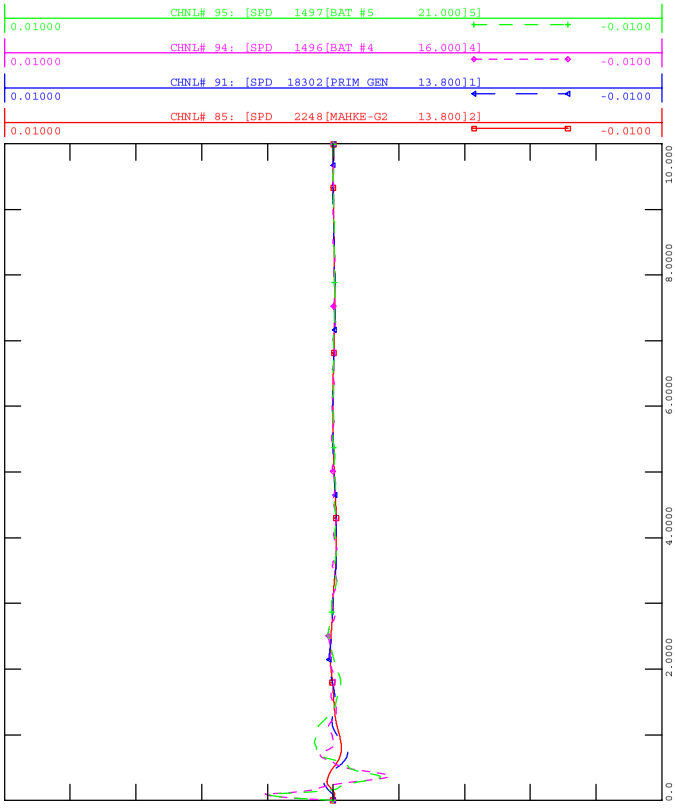


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

MACHINE SPEED

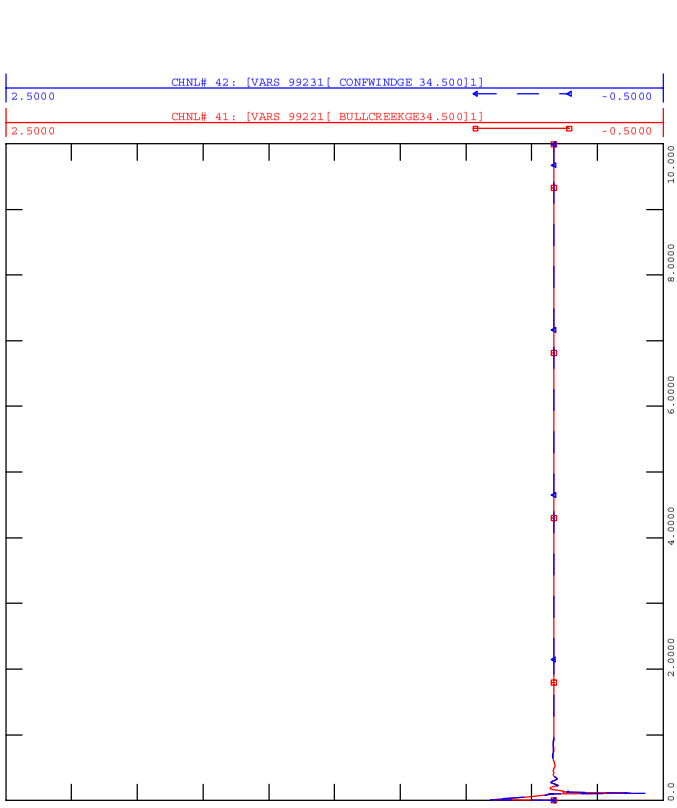


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

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WIND MACHINE VARS

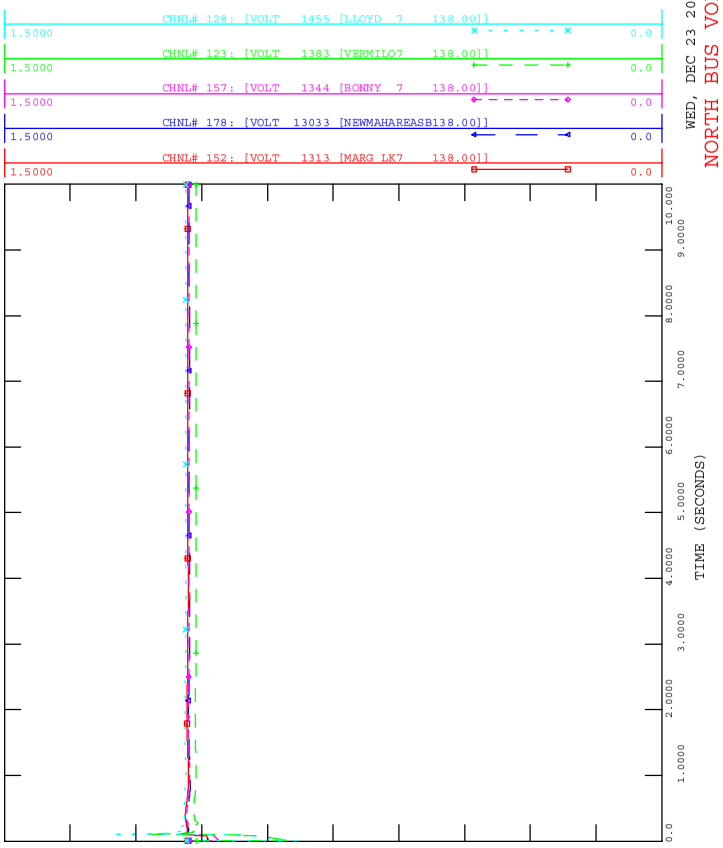


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

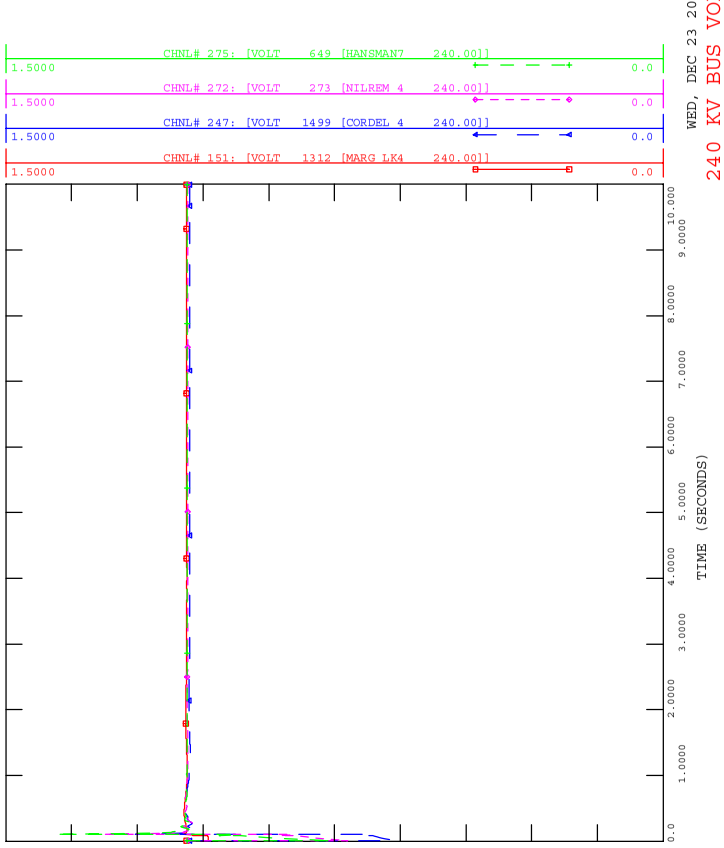


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

240 KV BUS VOLTAGES

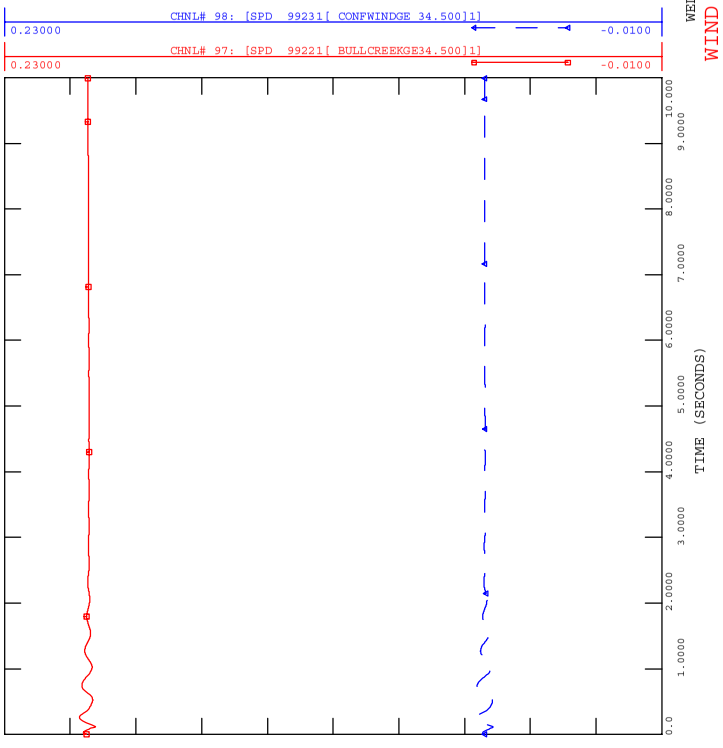


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE SPEED

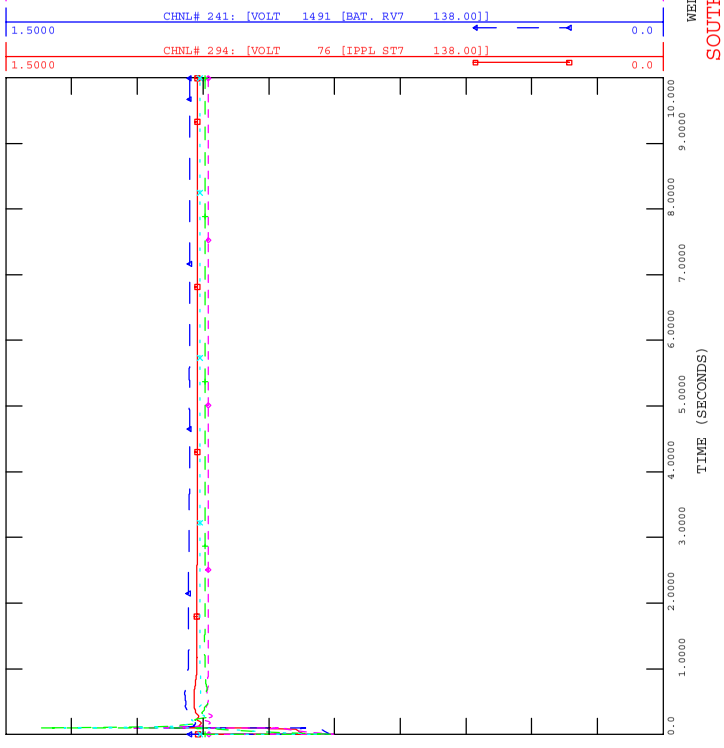


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

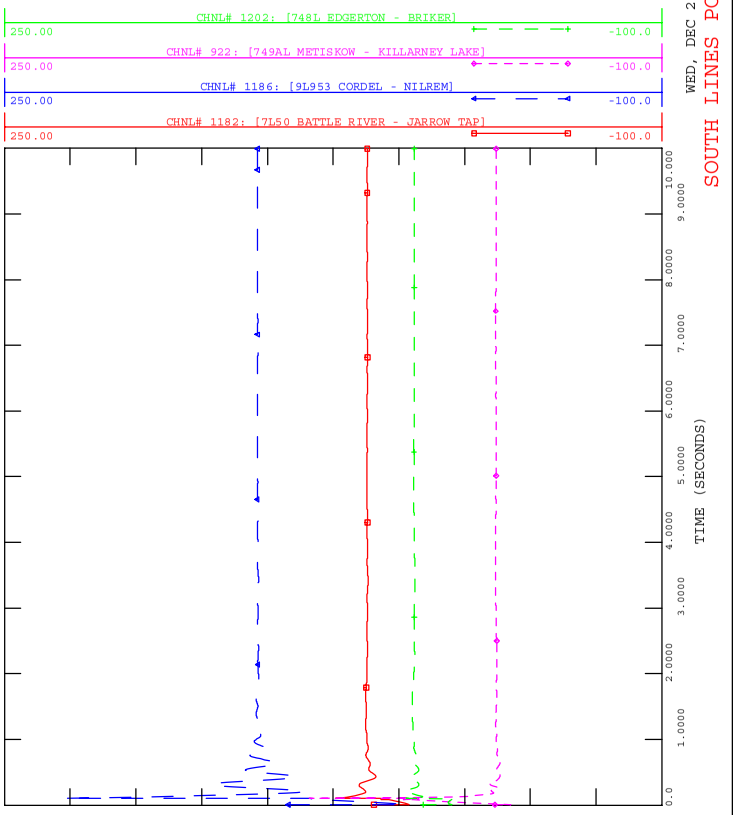
WED, DEC 23 2009 14:04

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

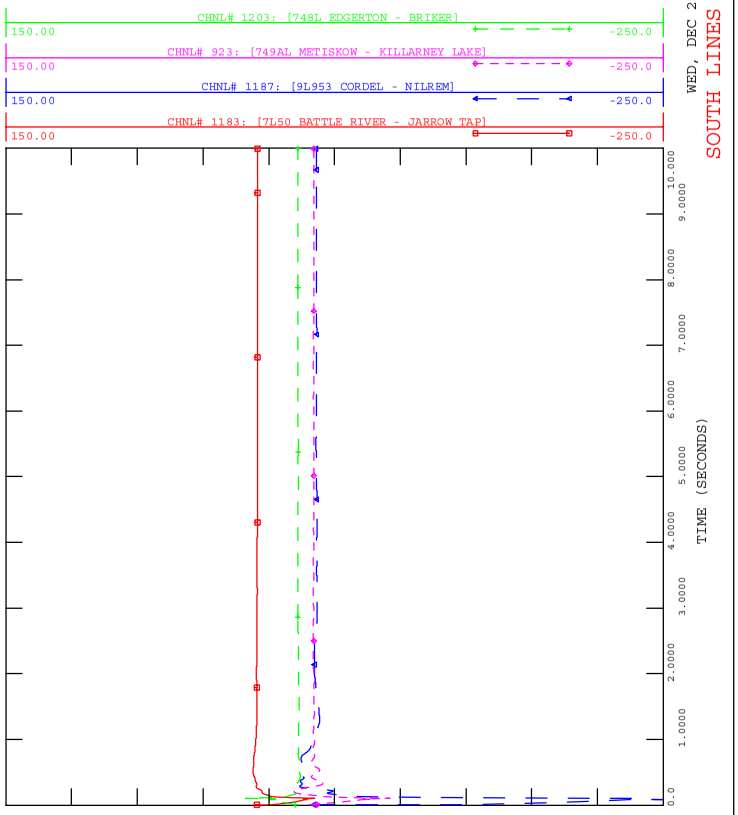


WED, DEC 23 2009 14:04

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

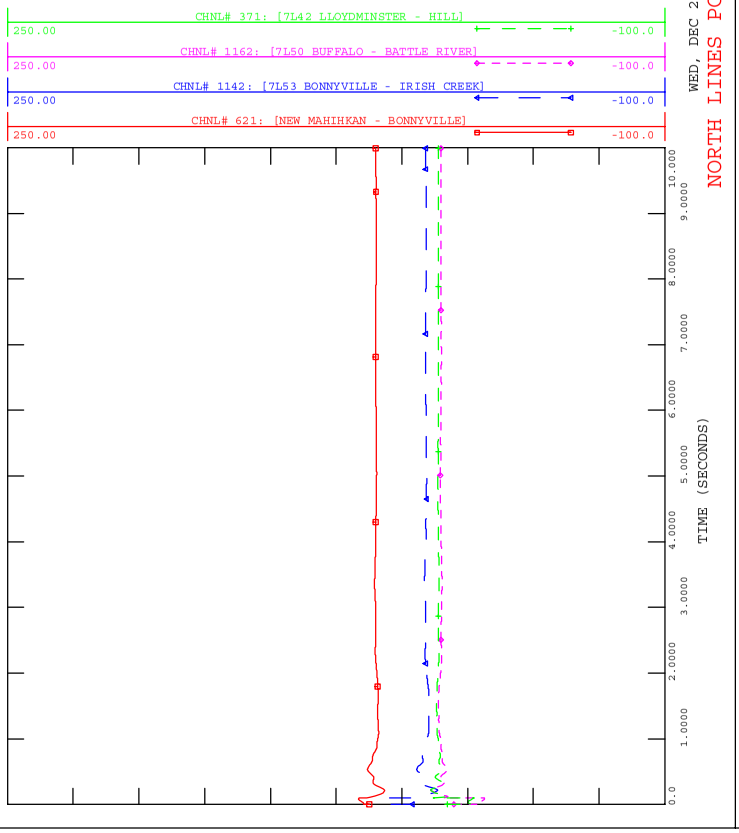


WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

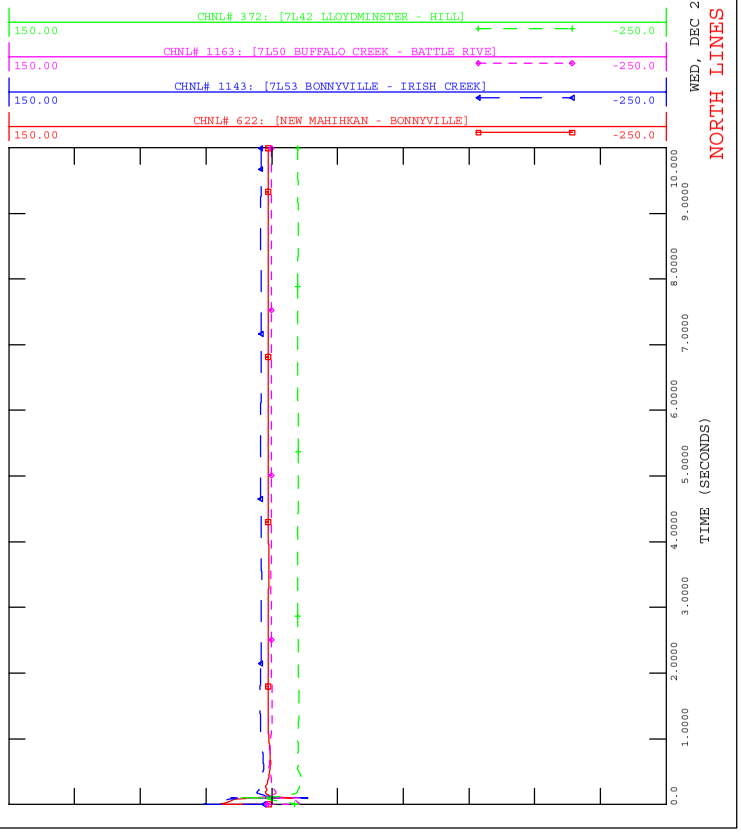


WED, DEC 23 2009 14:04

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out



WED, DEC 23 2009 14:04

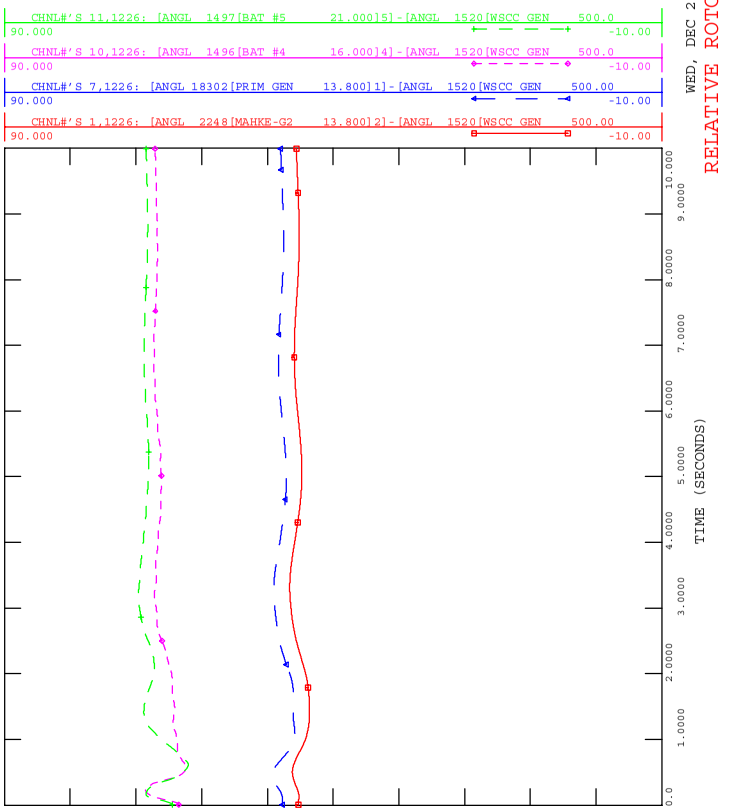
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

RELATIVE ROTOR ANGLES

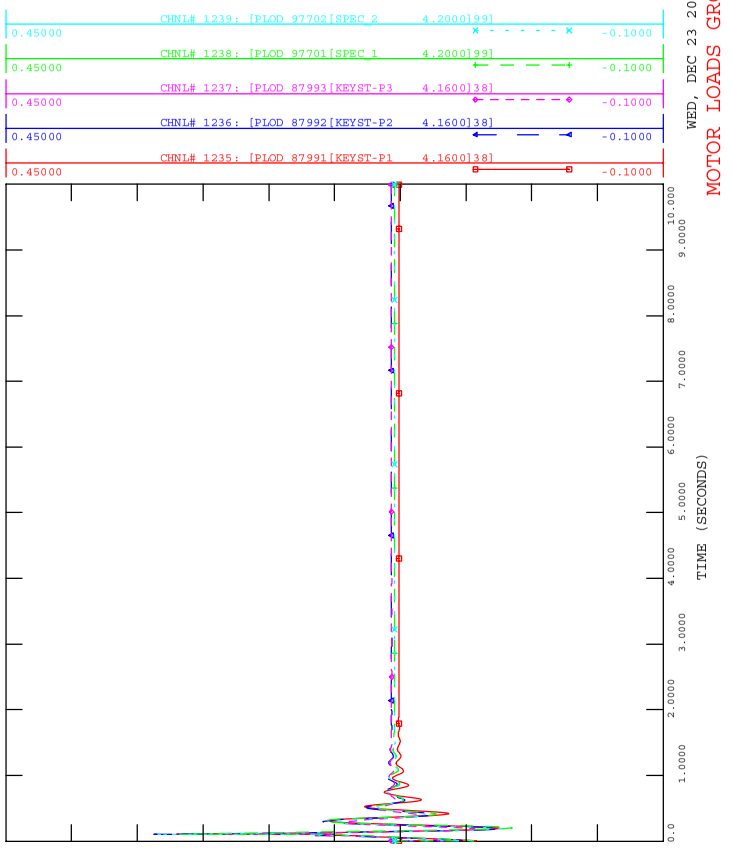


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP II

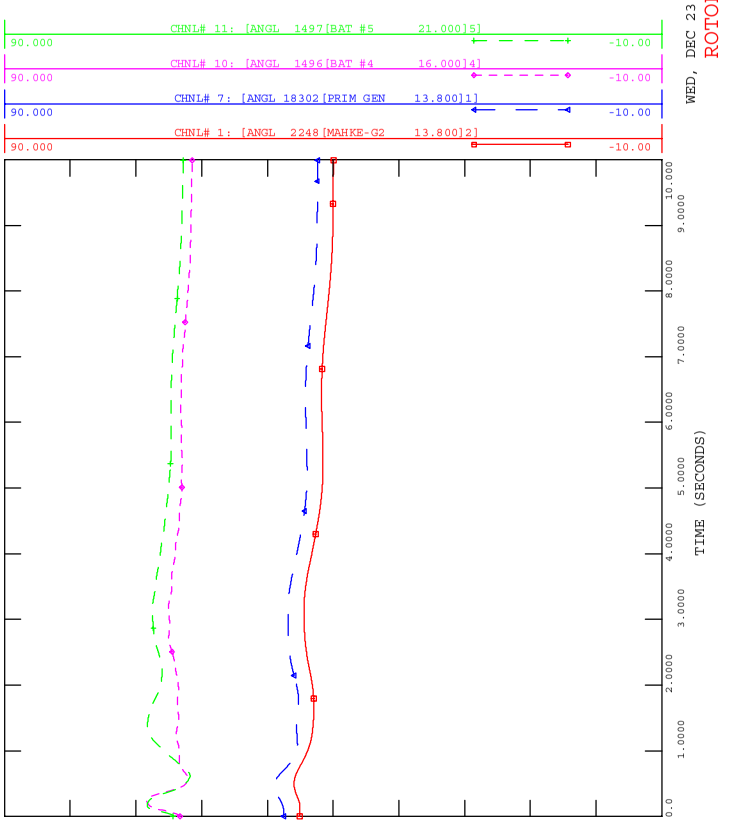


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

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ROTOR ANGLES

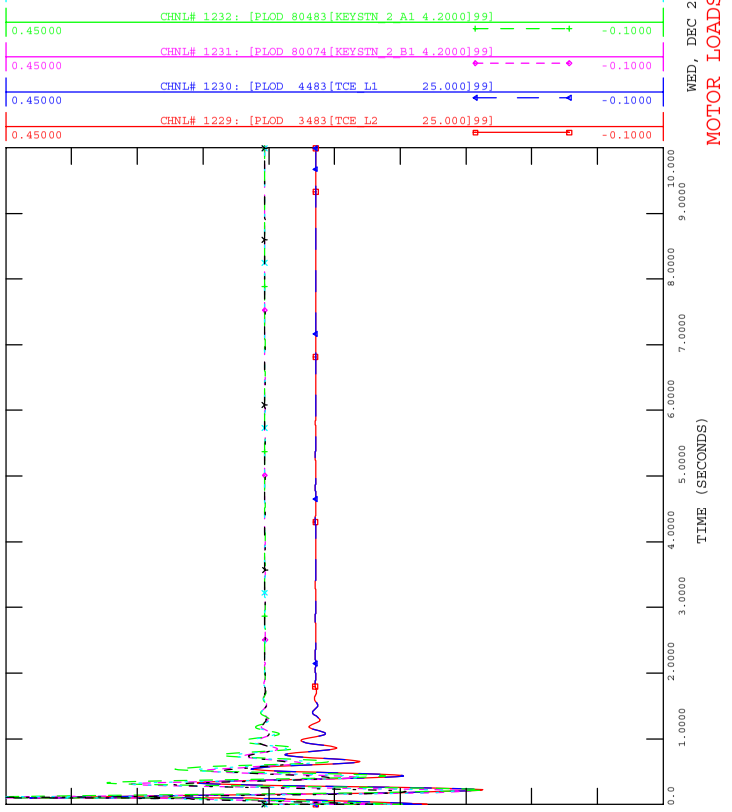


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B7faultout.out

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MOTOR LOADS GROUP I

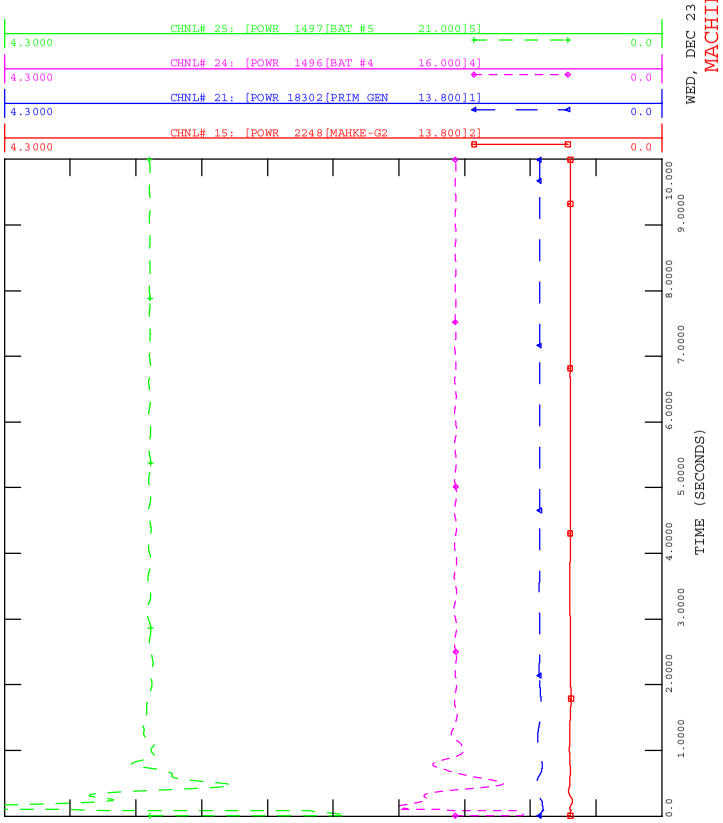


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

MACHINE POWER

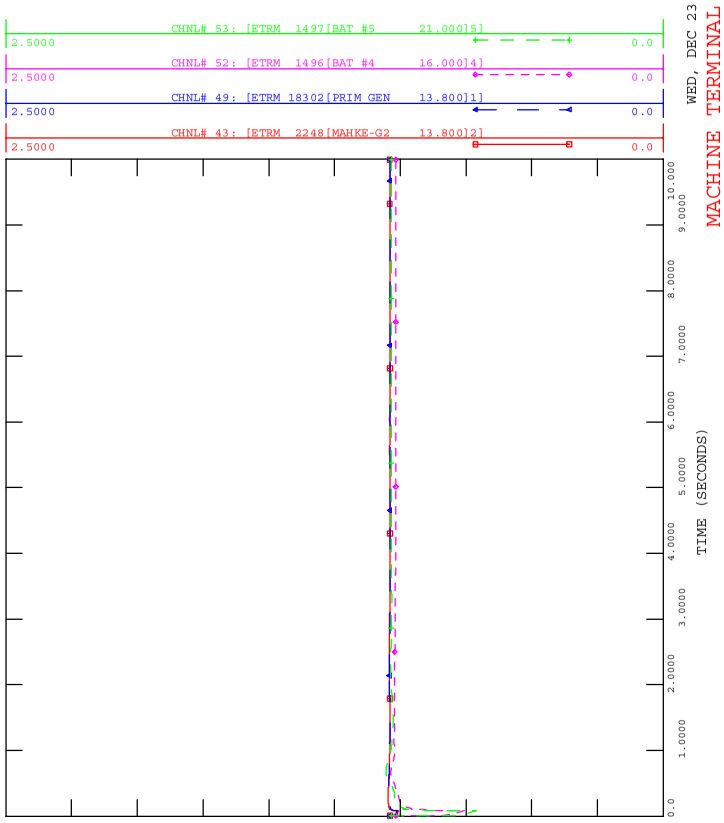


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

MACHINE TERMINAL VOLTAGE

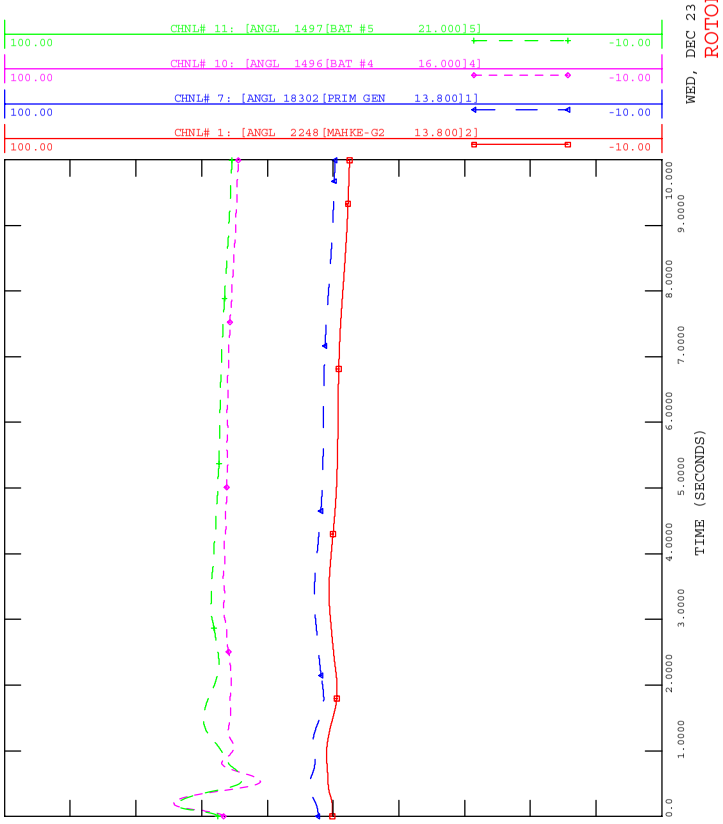


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

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ROTOR ANGLES

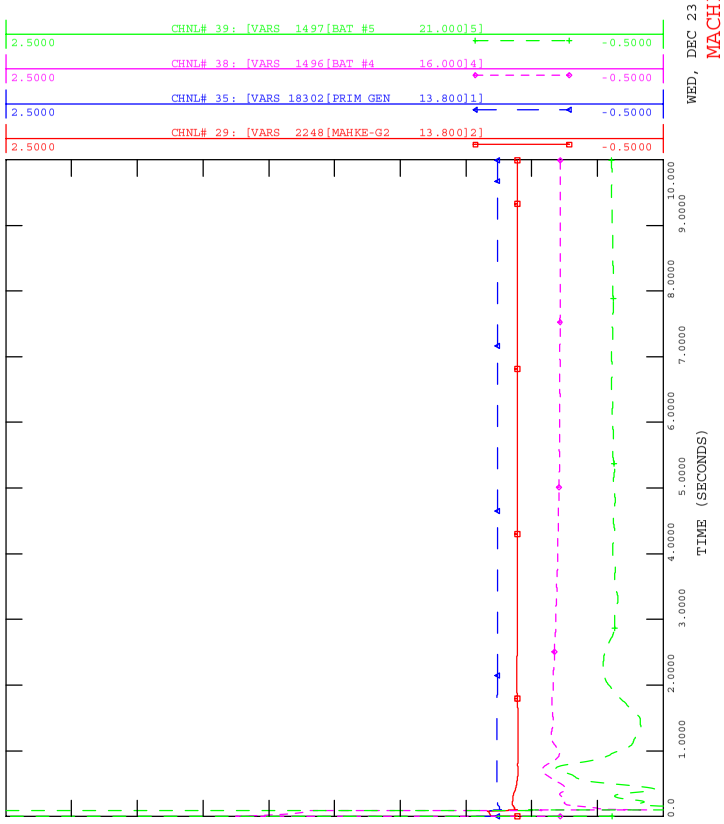


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

MACHINE VARS

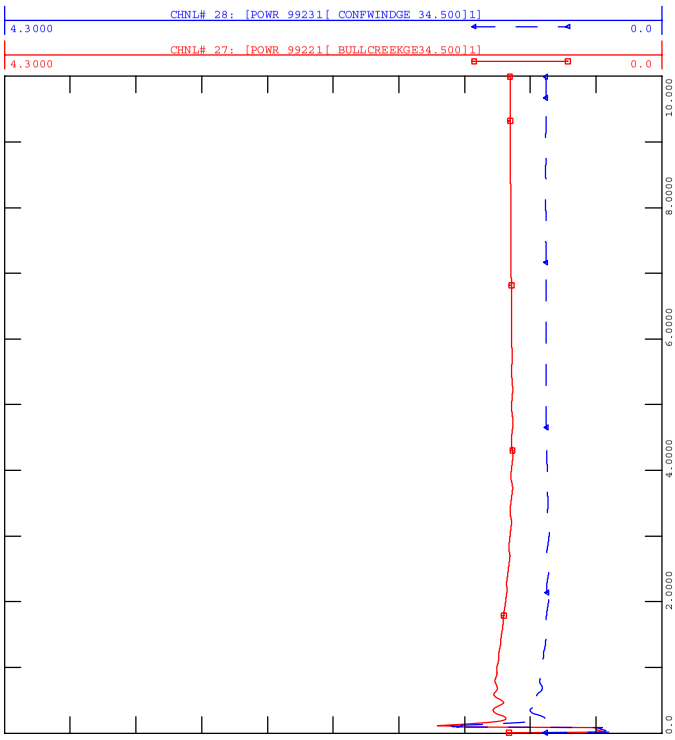


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

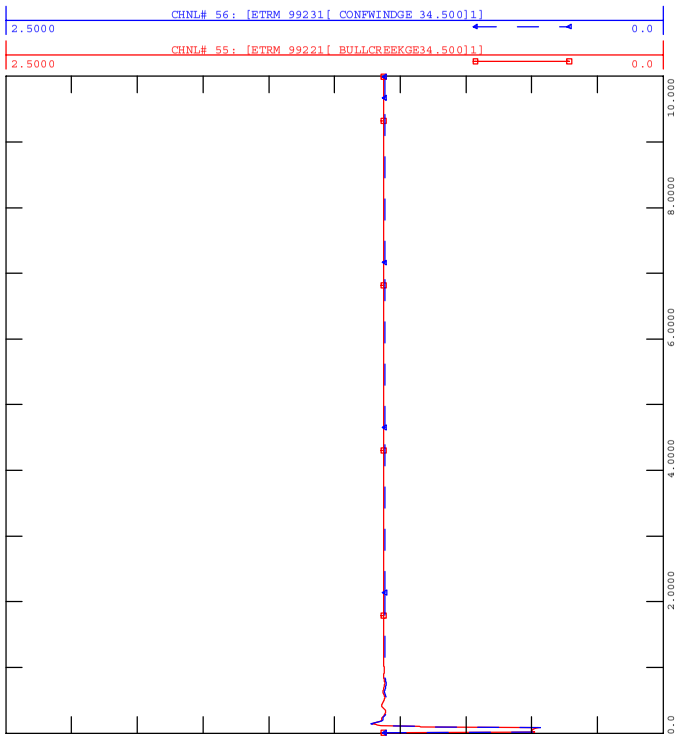


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

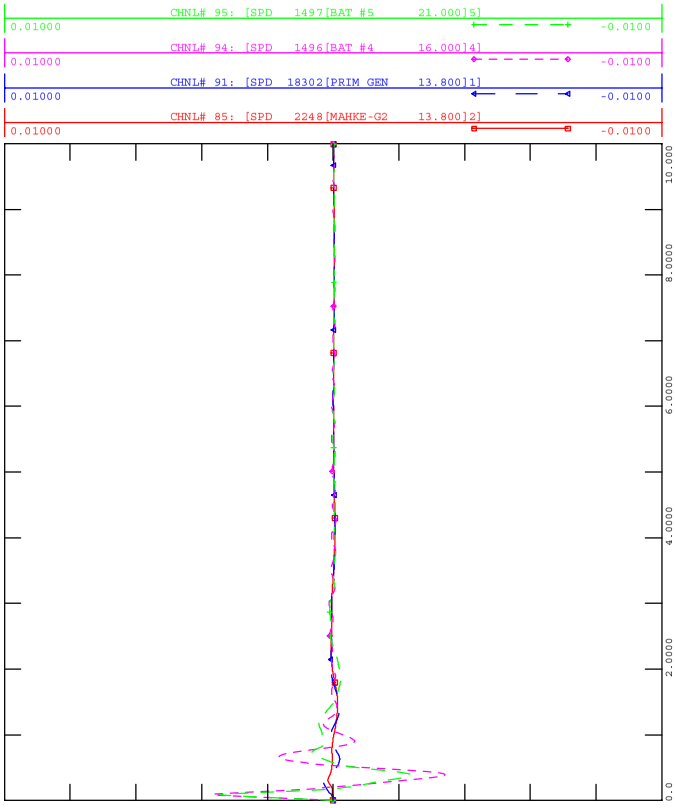


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

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MACHINE SPEED

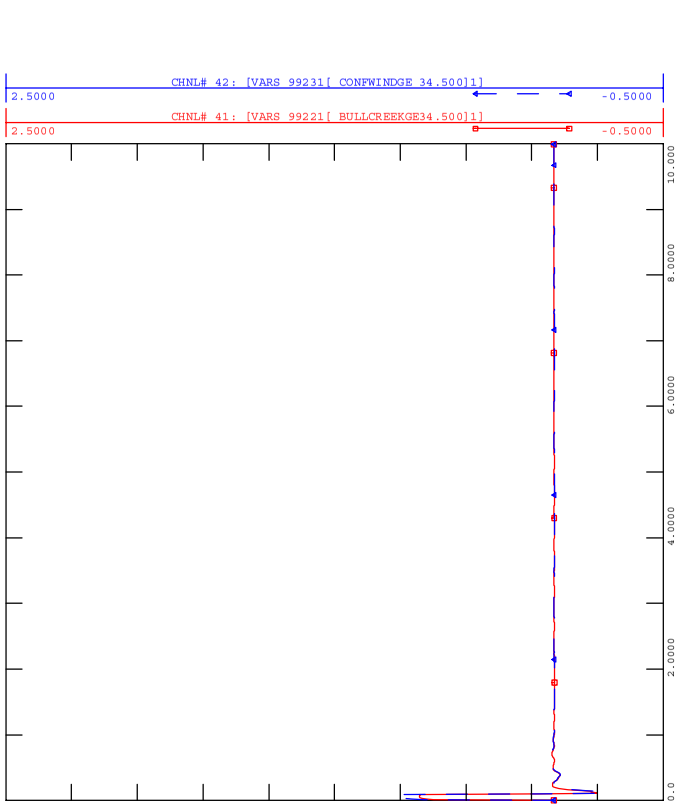


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

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WIND MACHINE VARS

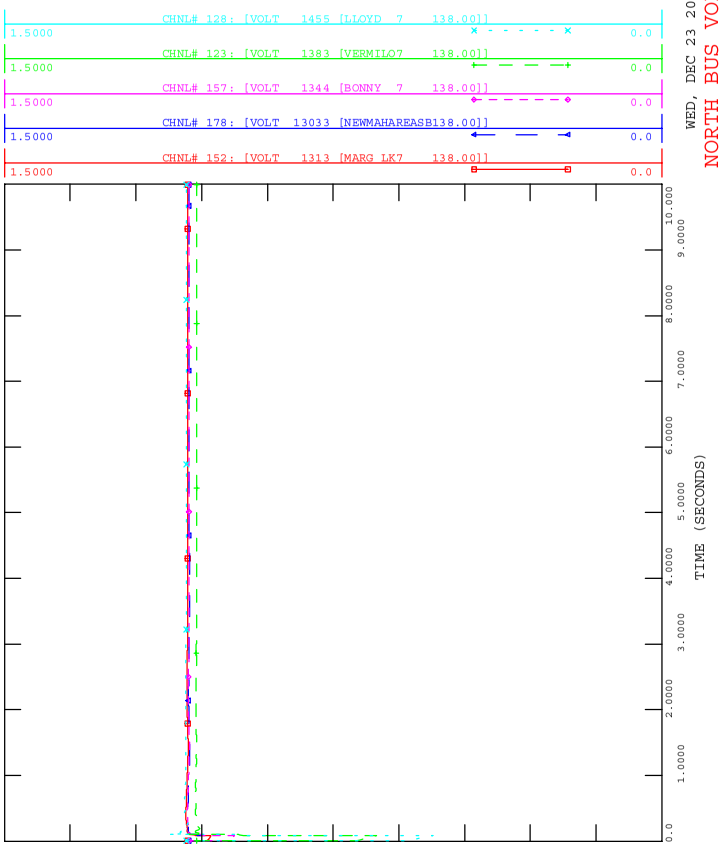


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

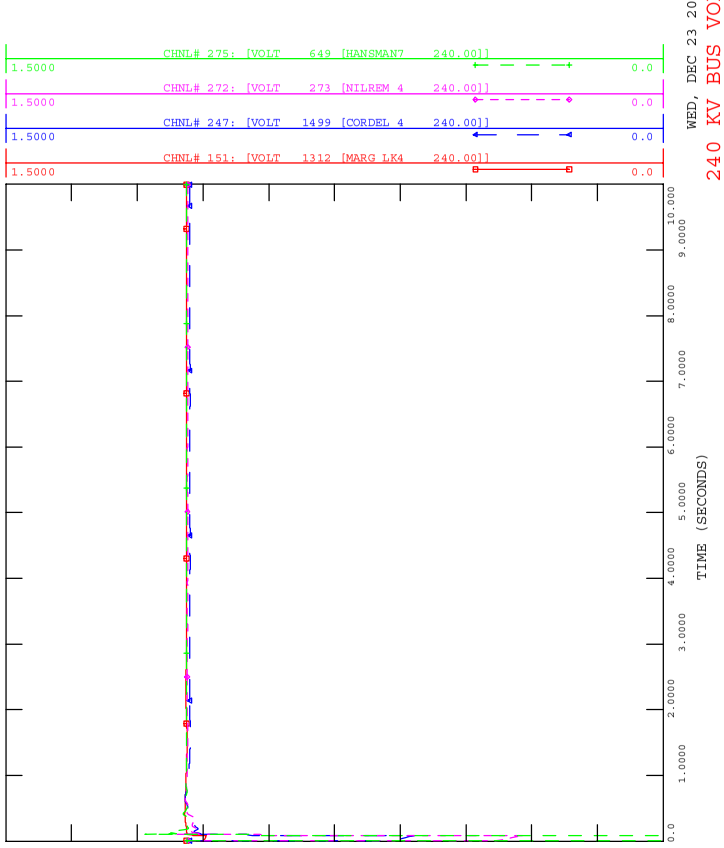


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

240 KV BUS VOLTAGES

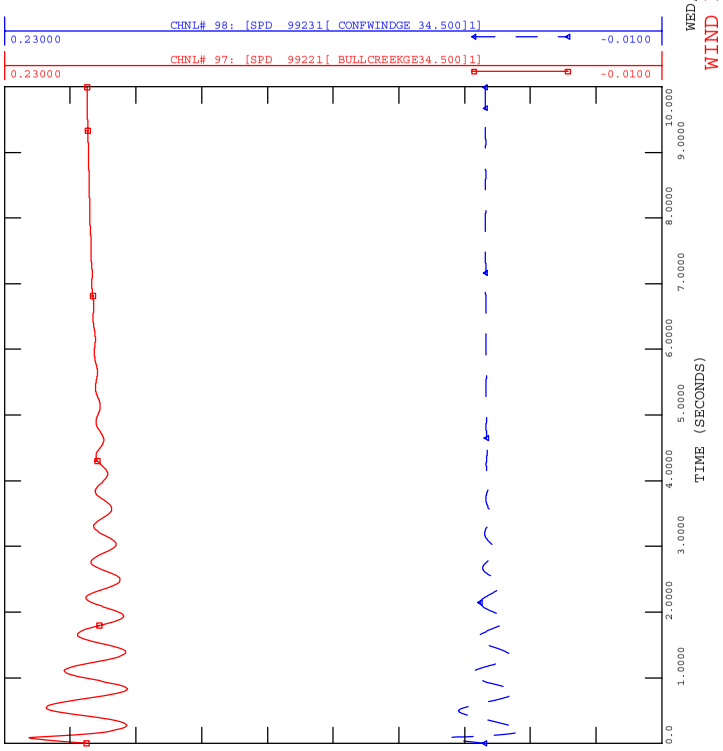


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

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WIND MACHINE SPEED

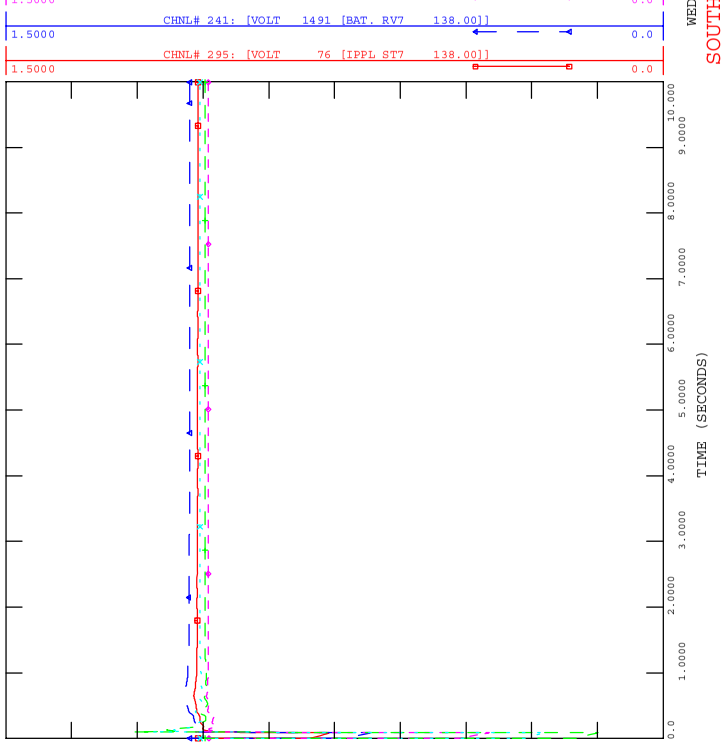


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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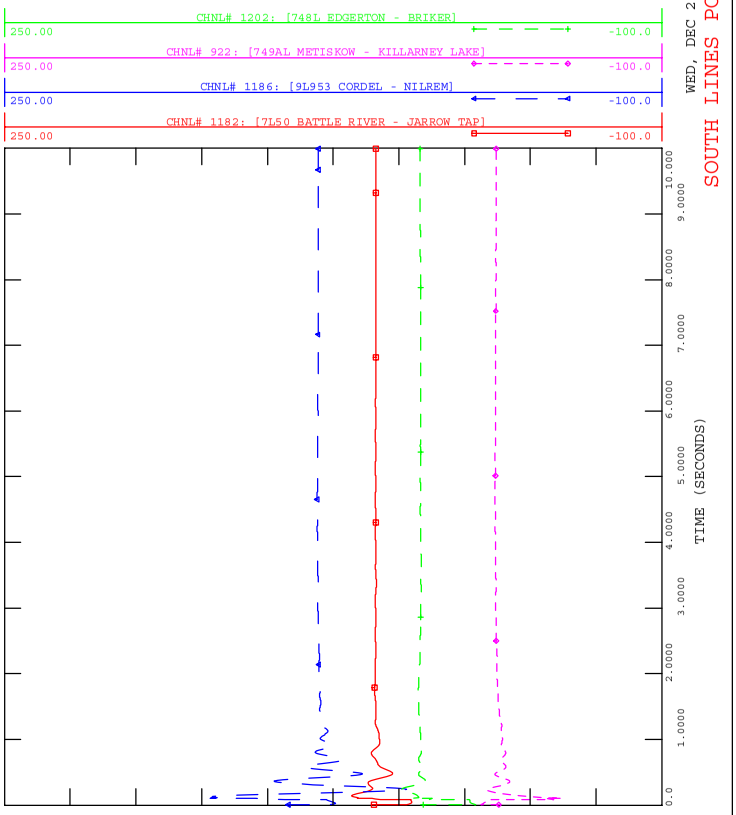
WED, DEC 23 2009 14:04

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

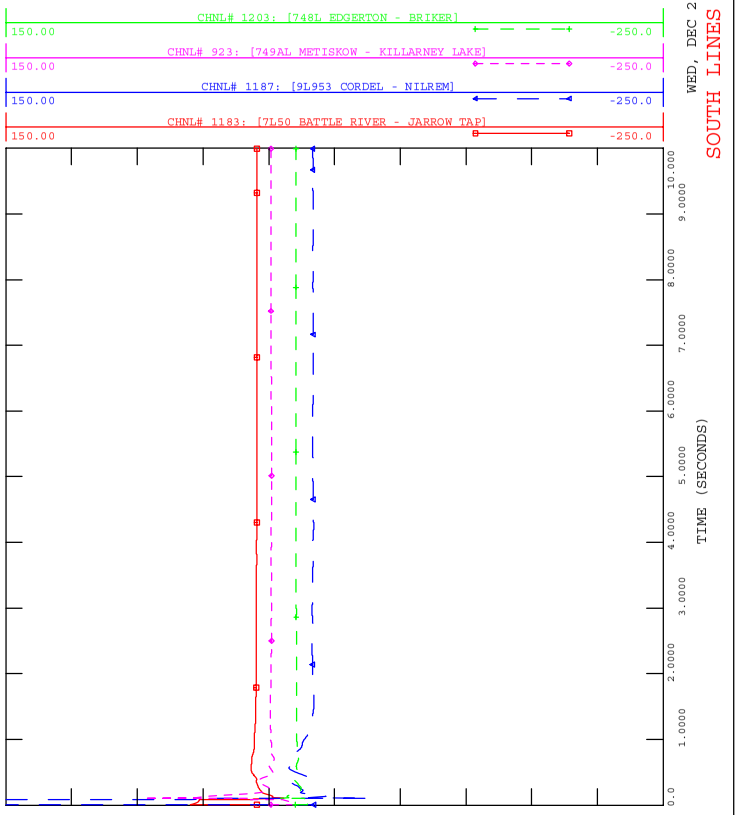


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

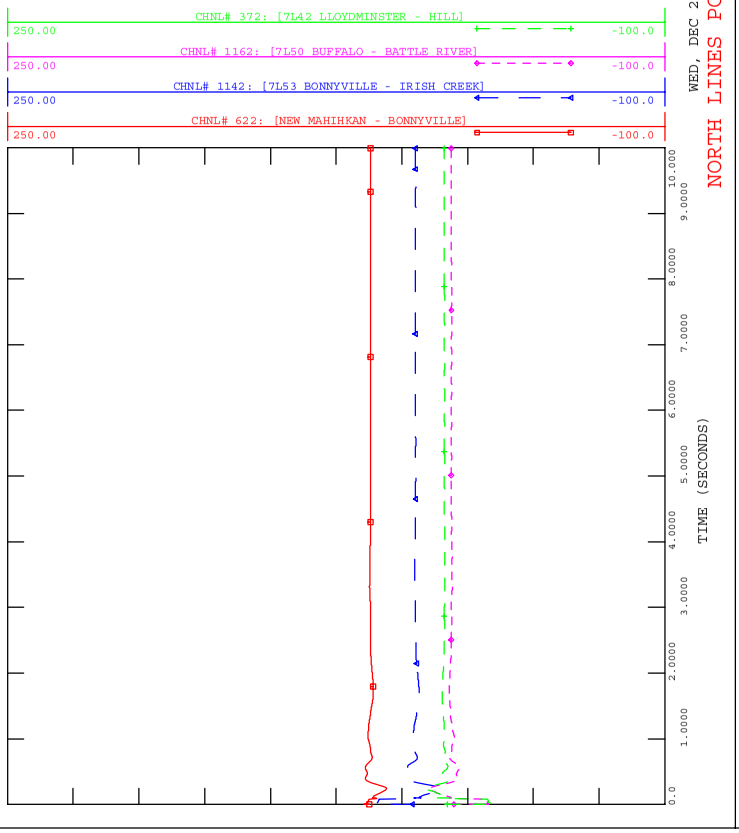


WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

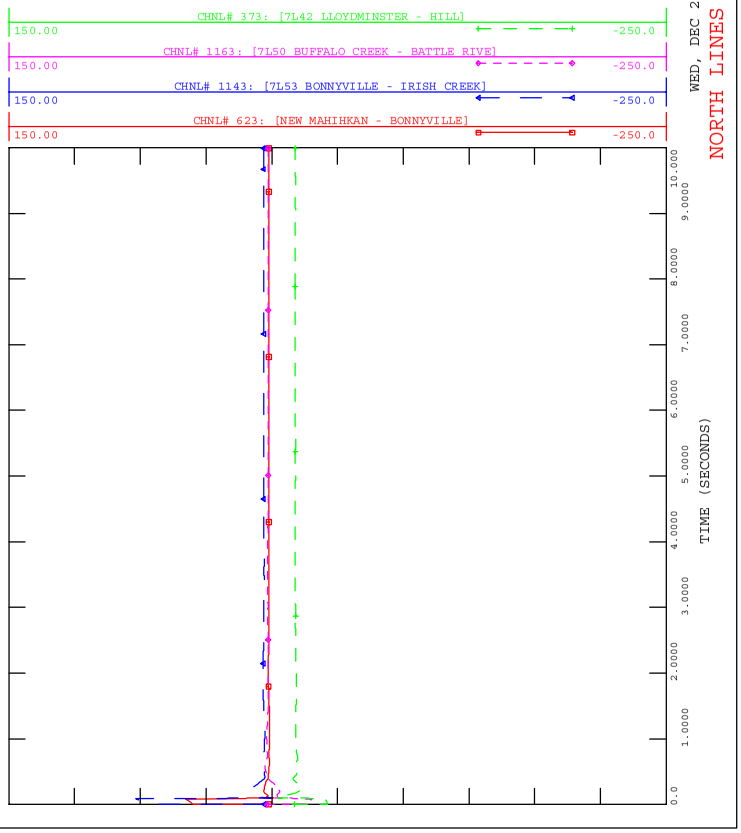


WED, DEC 23 2009 14:04

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out



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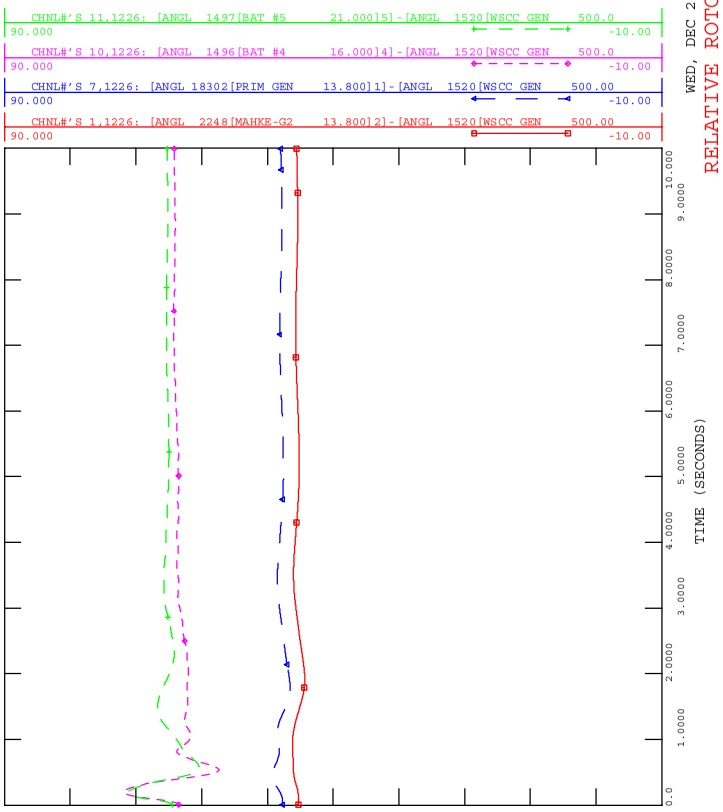
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

RELATIVE ROTOR ANGLES

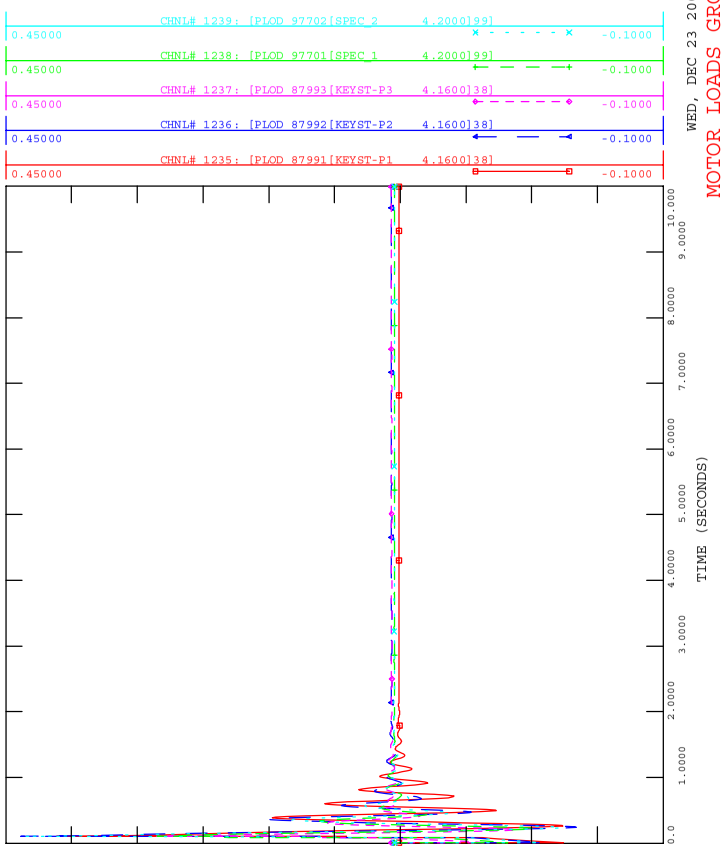


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

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MOTOR LOADS GROUP II

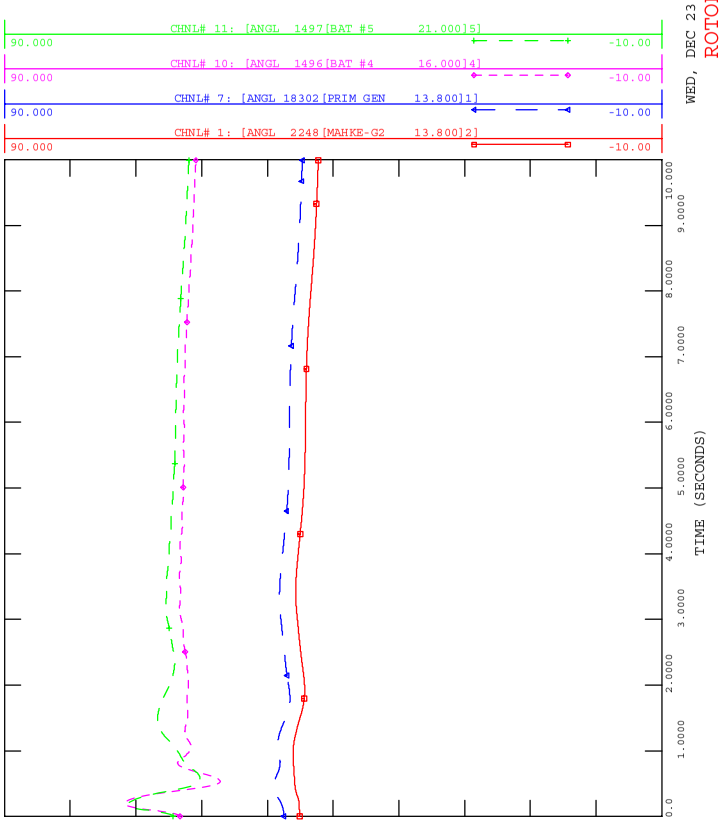


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

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ROTOR ANGLES

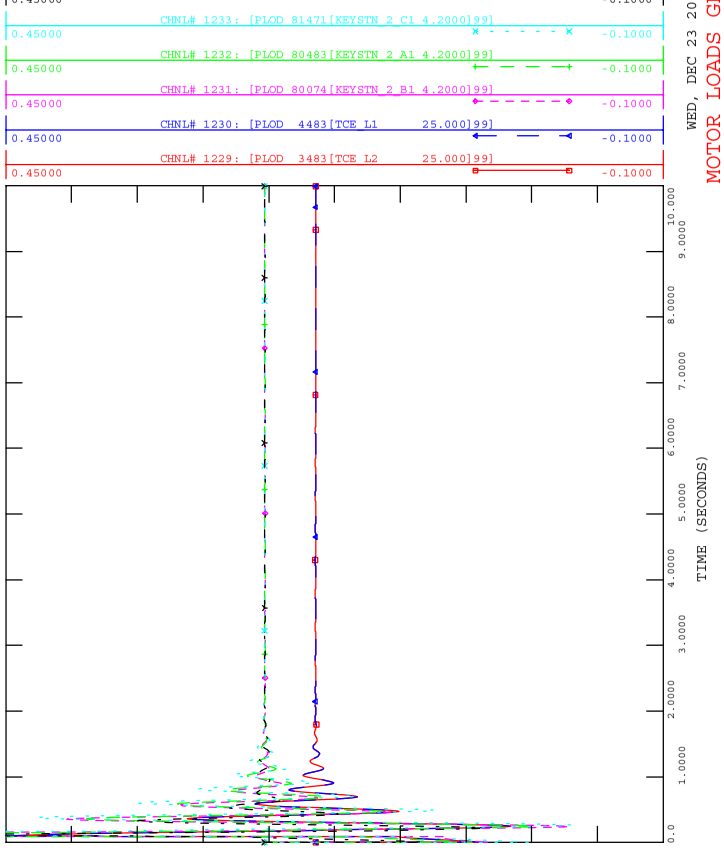


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B8faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP I

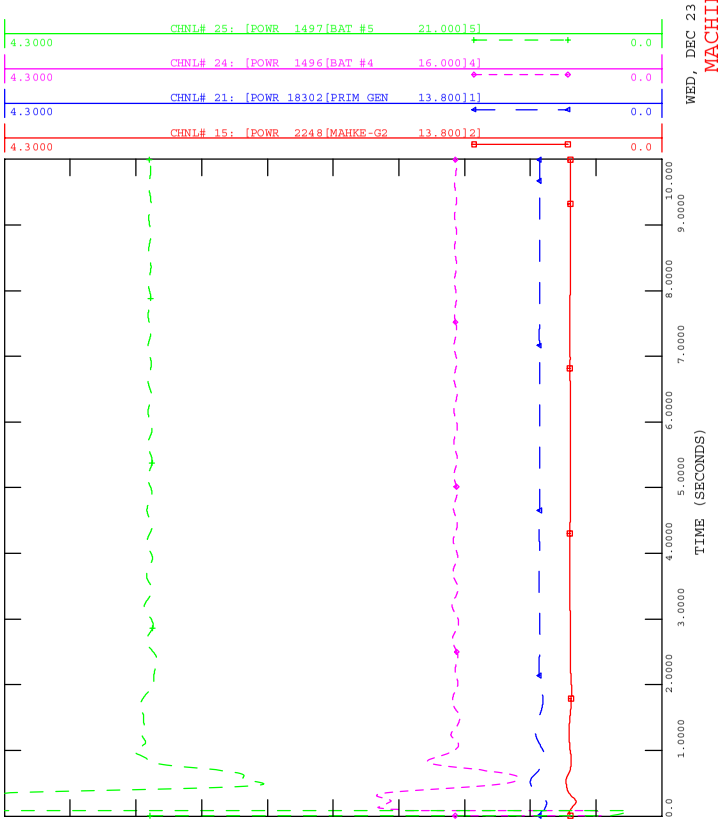


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

MACHINE POWER

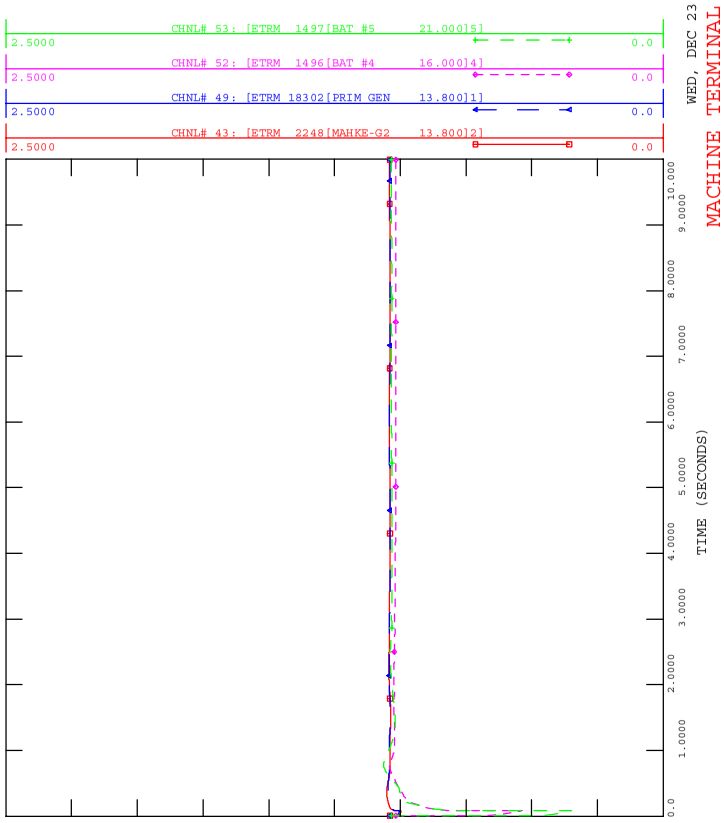


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

MACHINE TERMINAL VOLTAGE

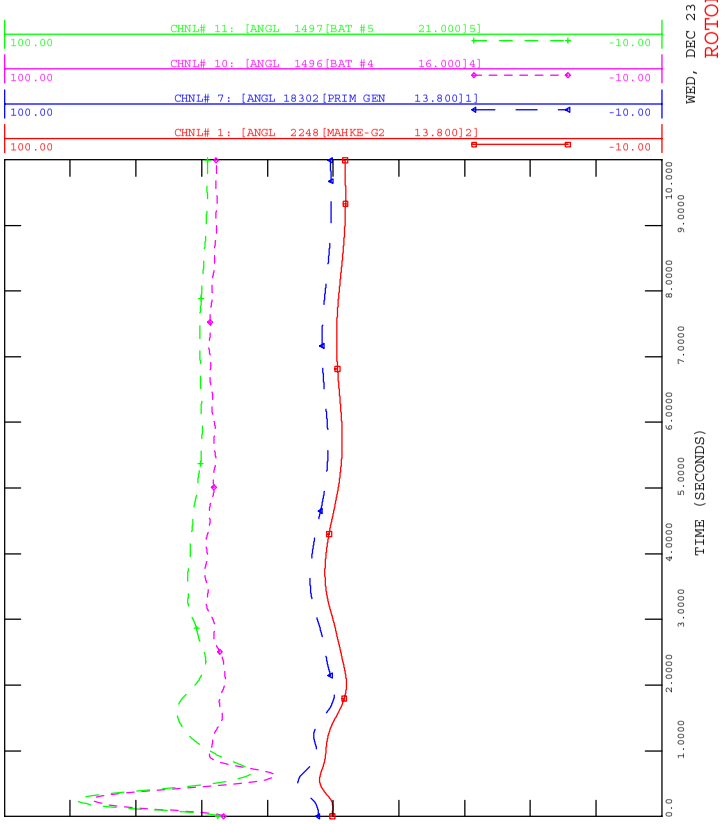


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

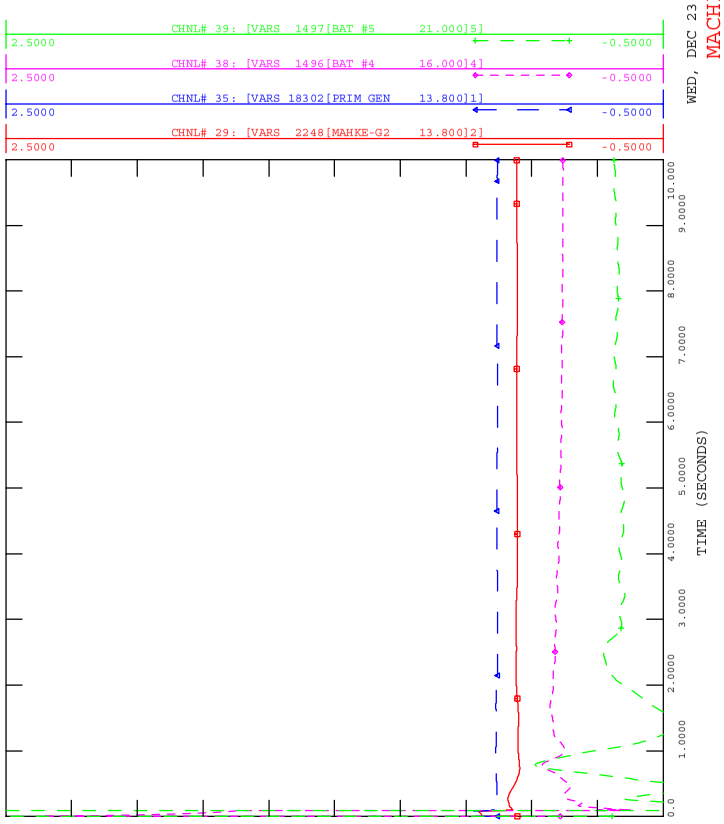


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

MACHINE VARS

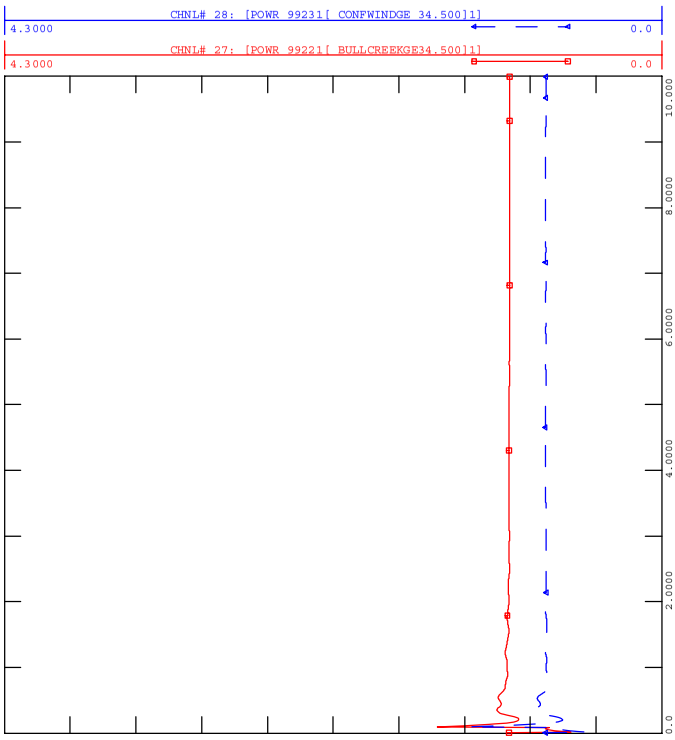


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

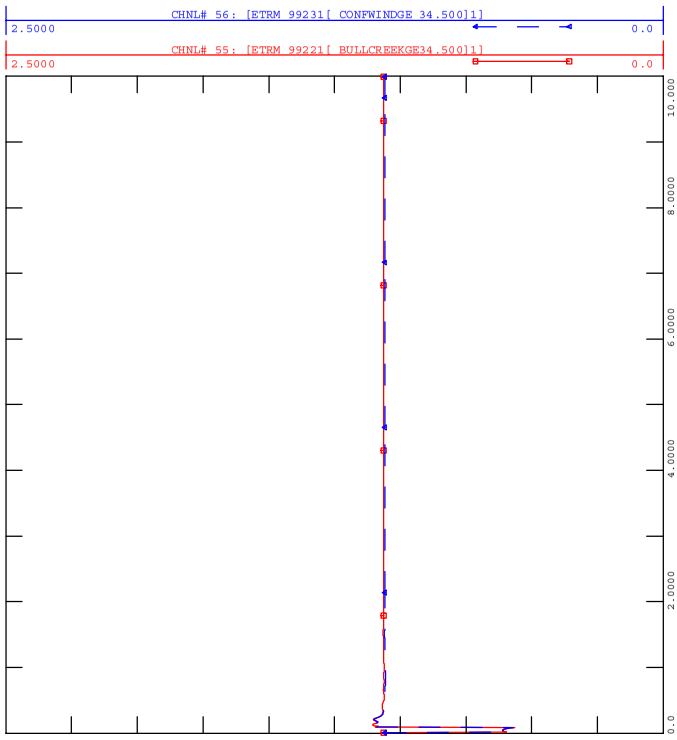


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

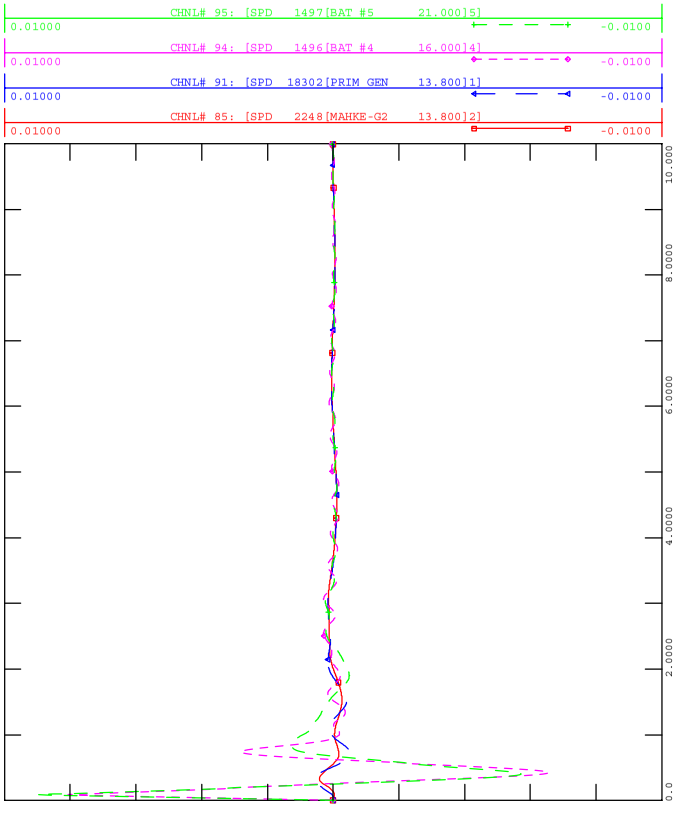


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

MACHINE SPEED

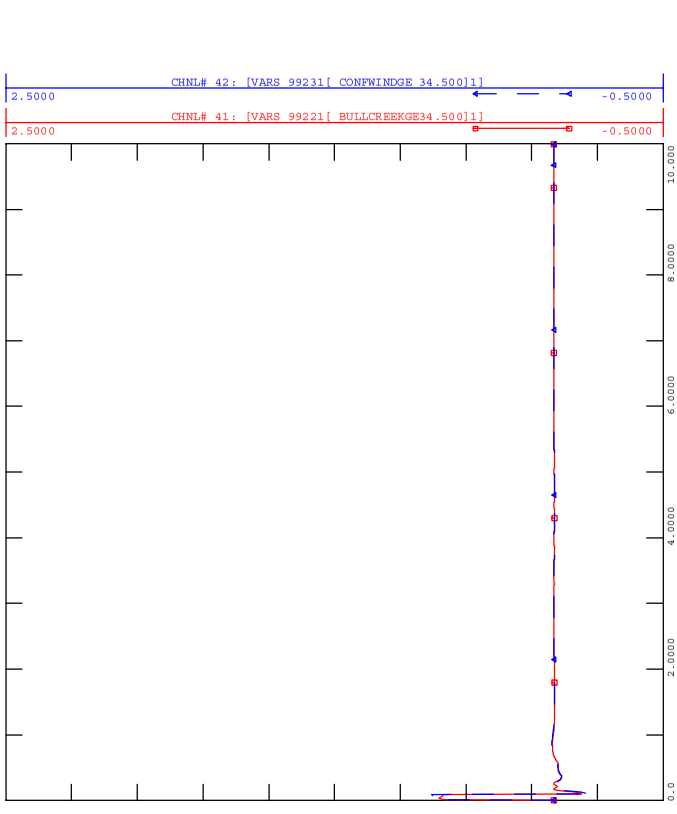


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE VARS

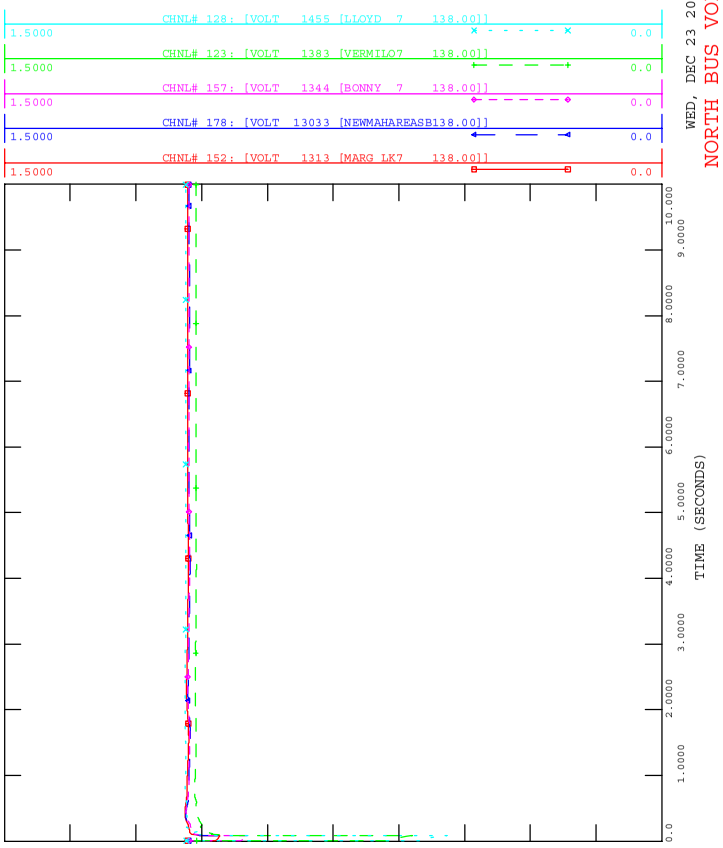


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

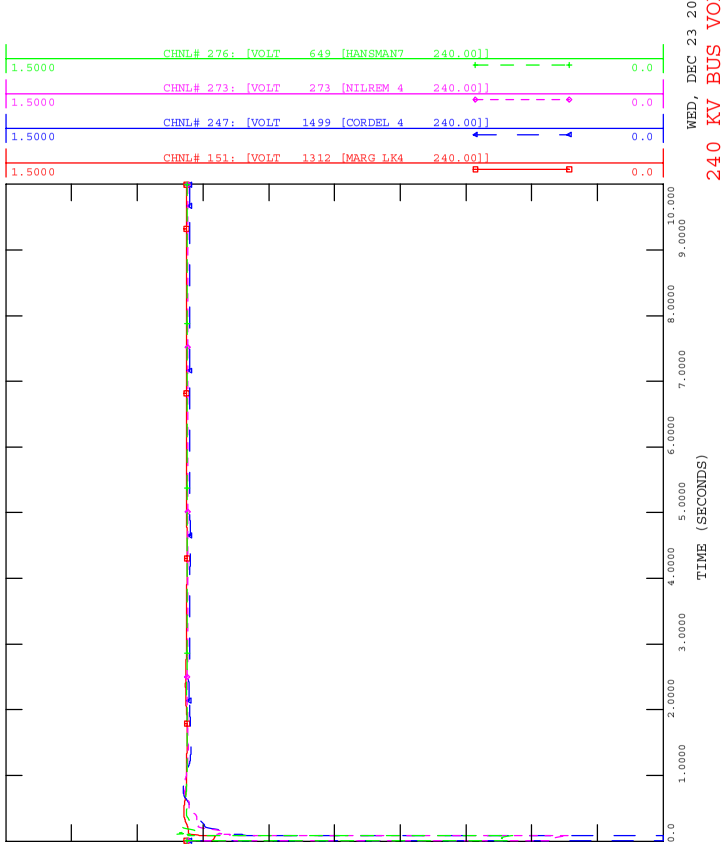


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

240 KV BUS VOLTAGES

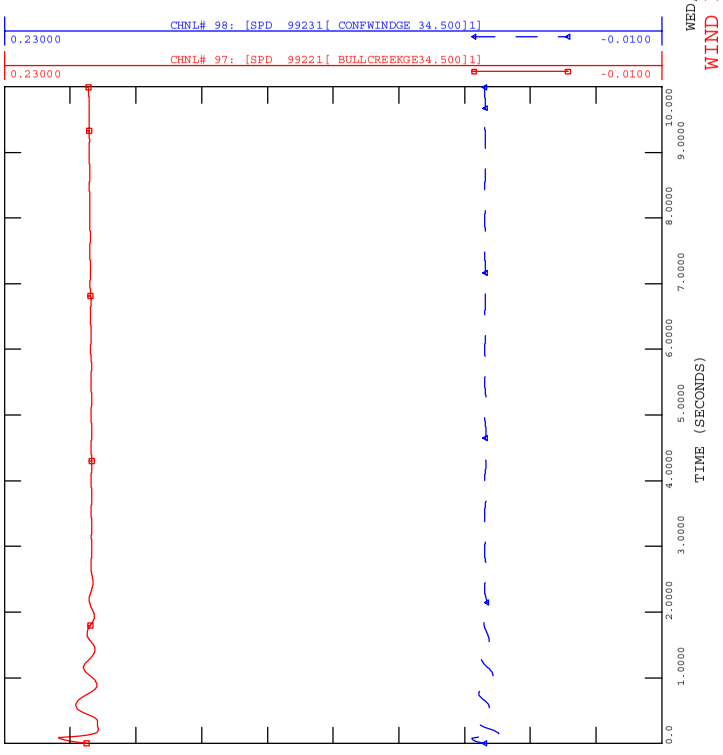


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE SPEED

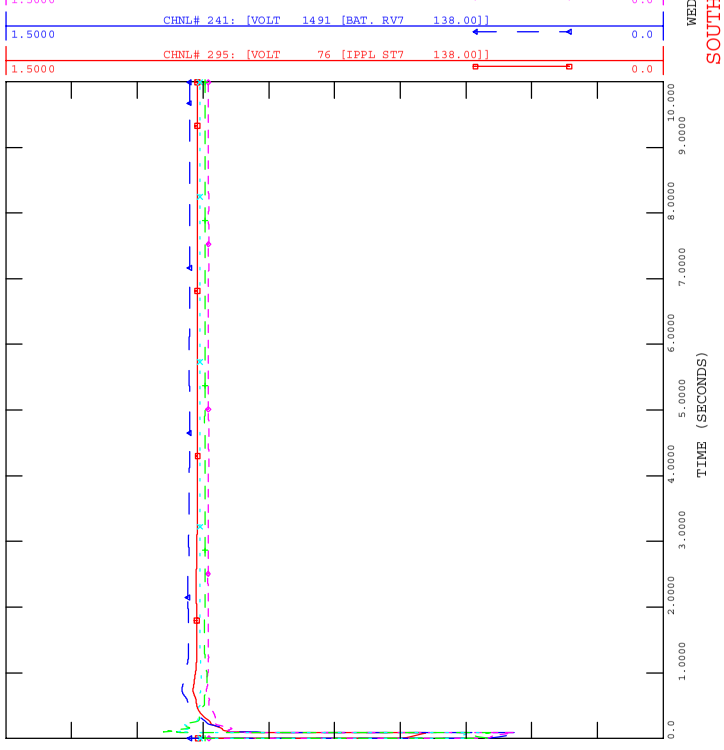


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

SOUTH BUS VOLTAGES

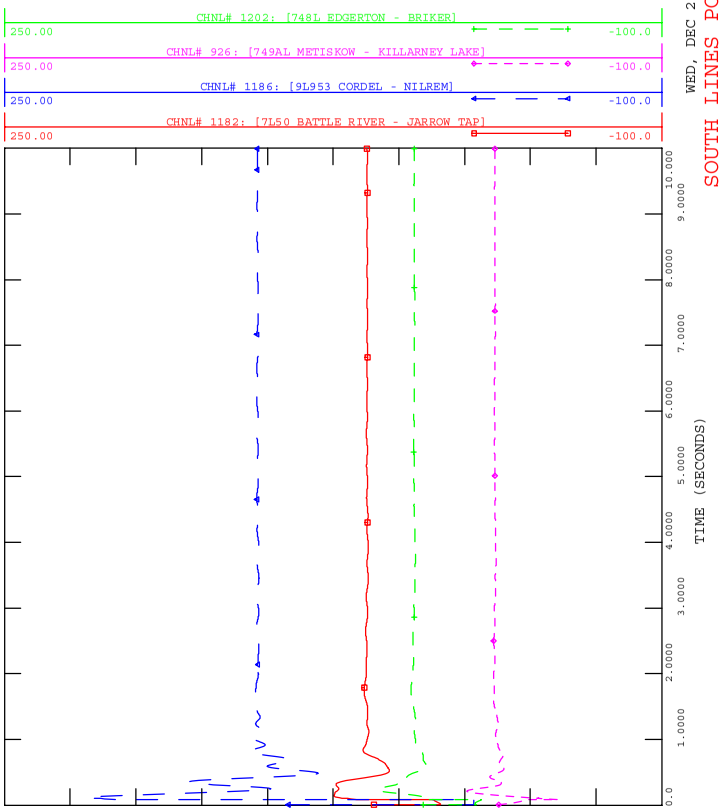


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

SOUTH LINES POWER FLOW

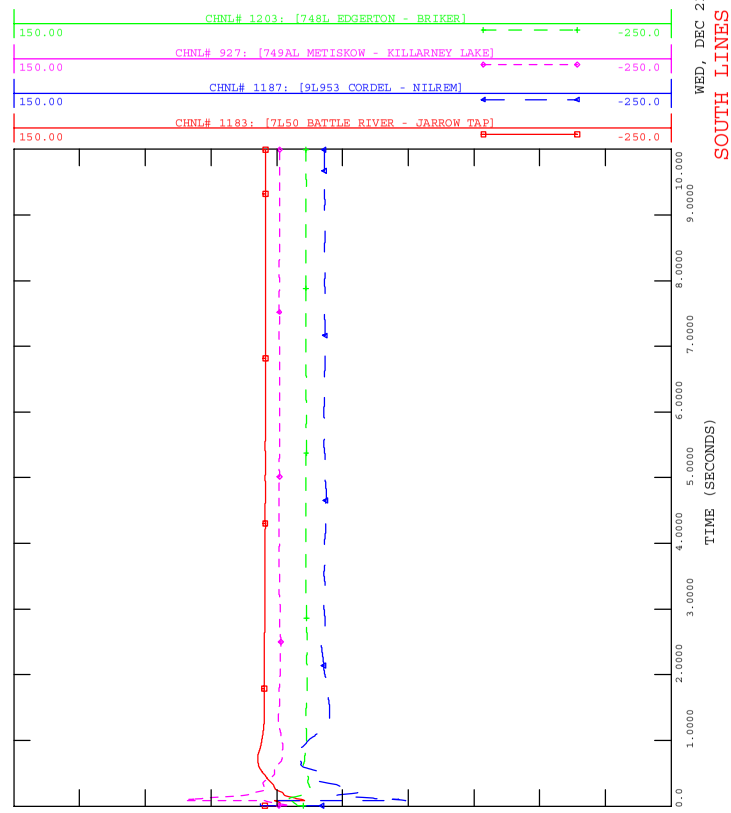


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

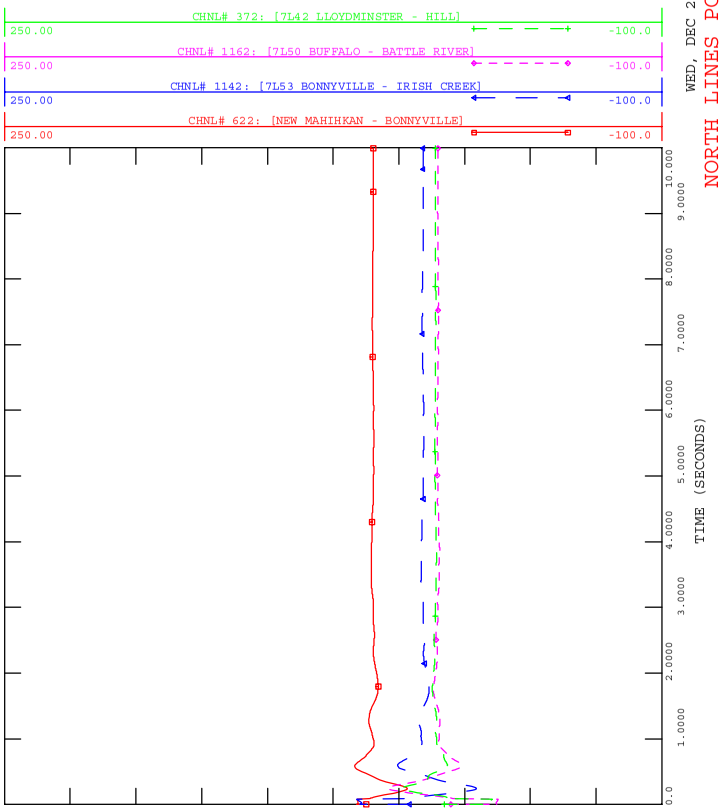


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

NORTH LINES POWER FLOW

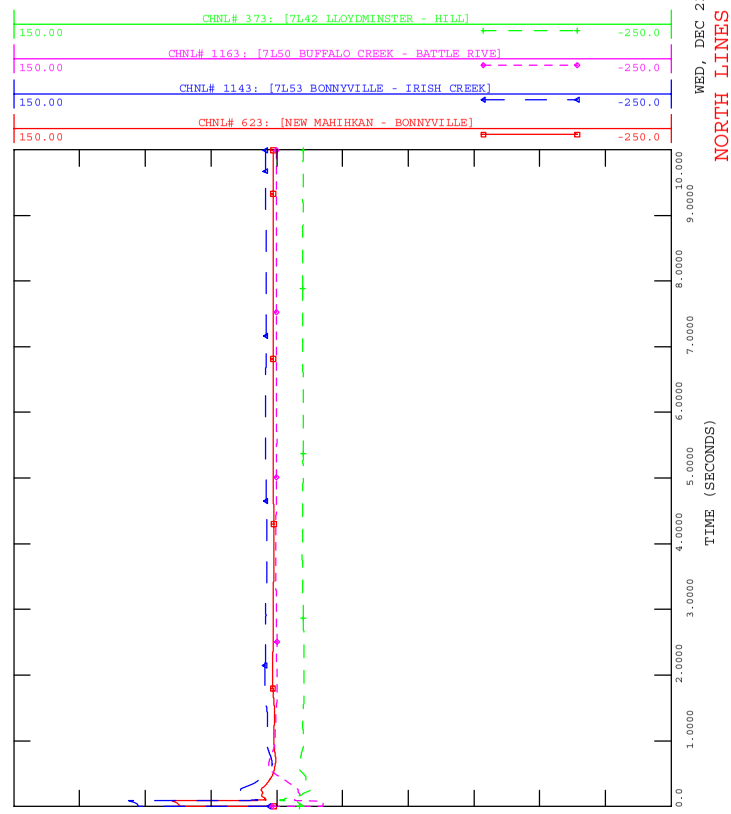


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

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NORTH LINES VAR FLOW

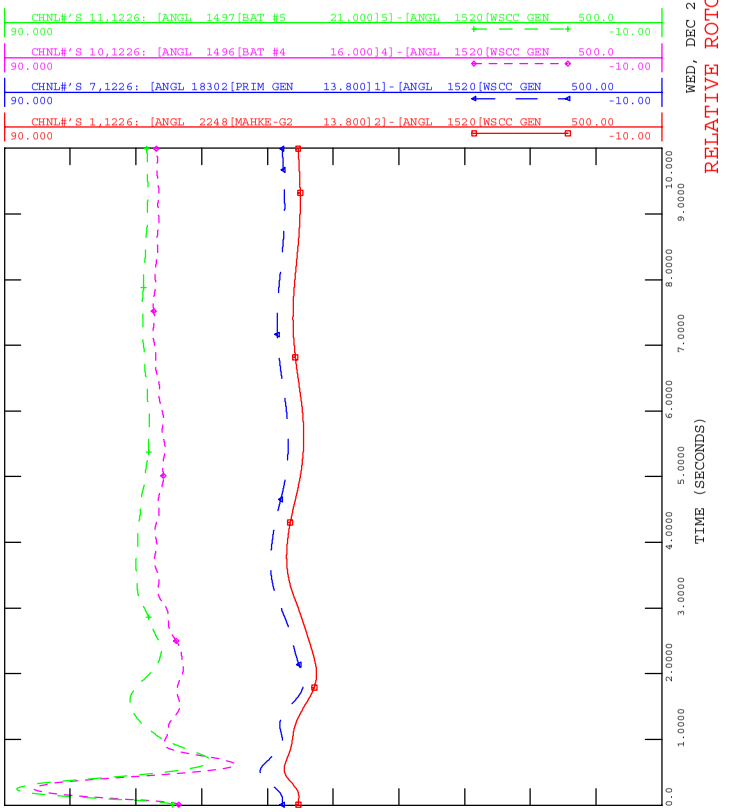


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

RELATIVE ROTOR ANGLES

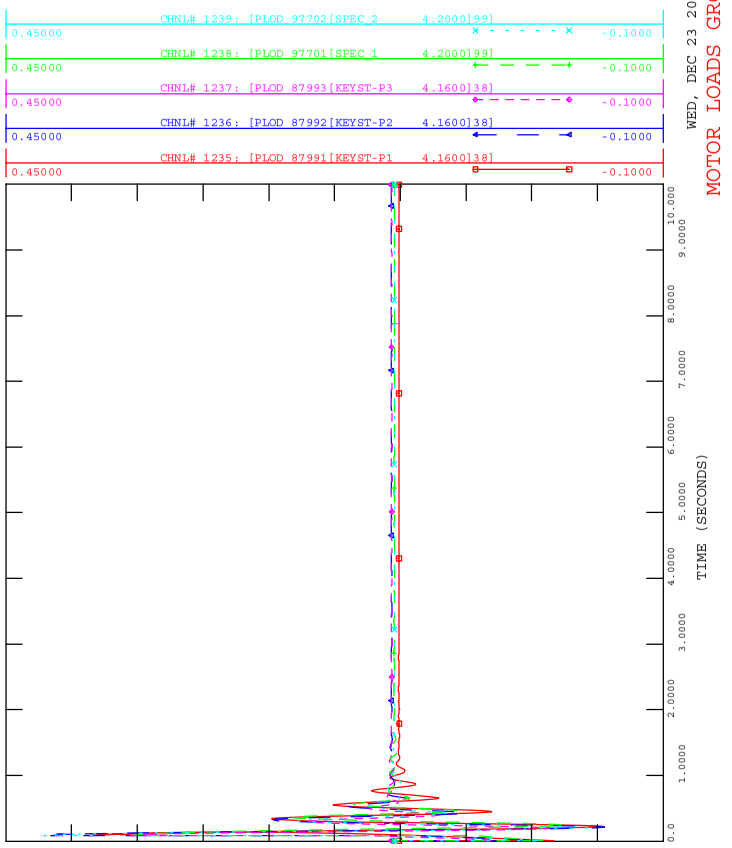


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP II

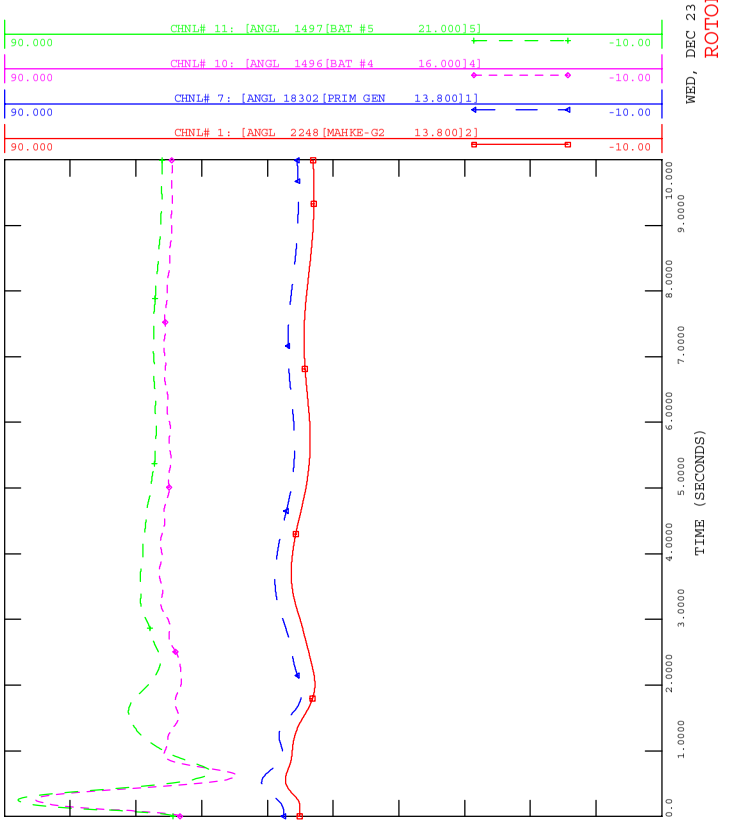


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

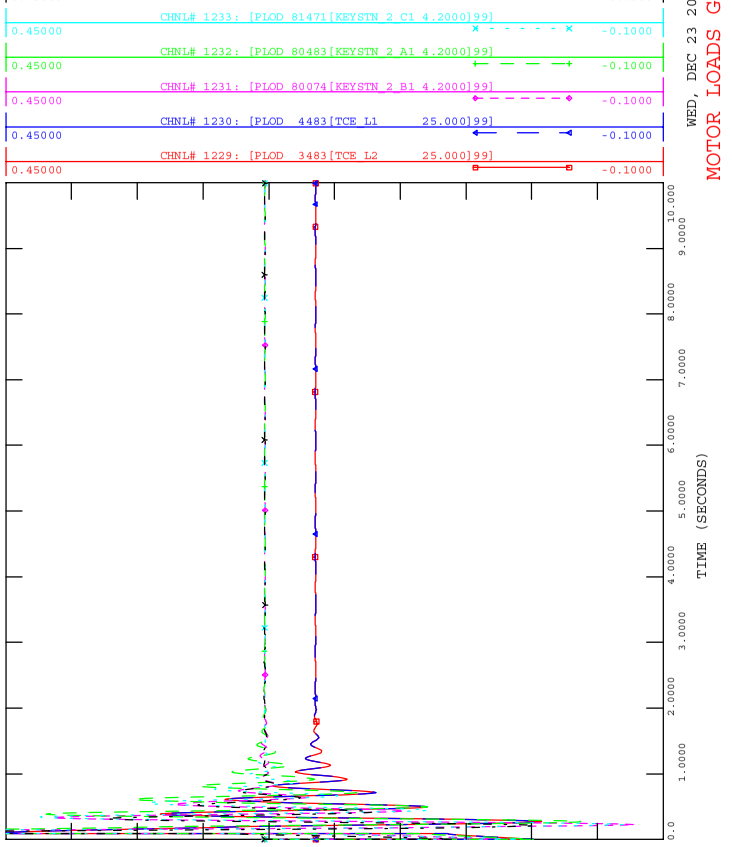


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B9faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP I

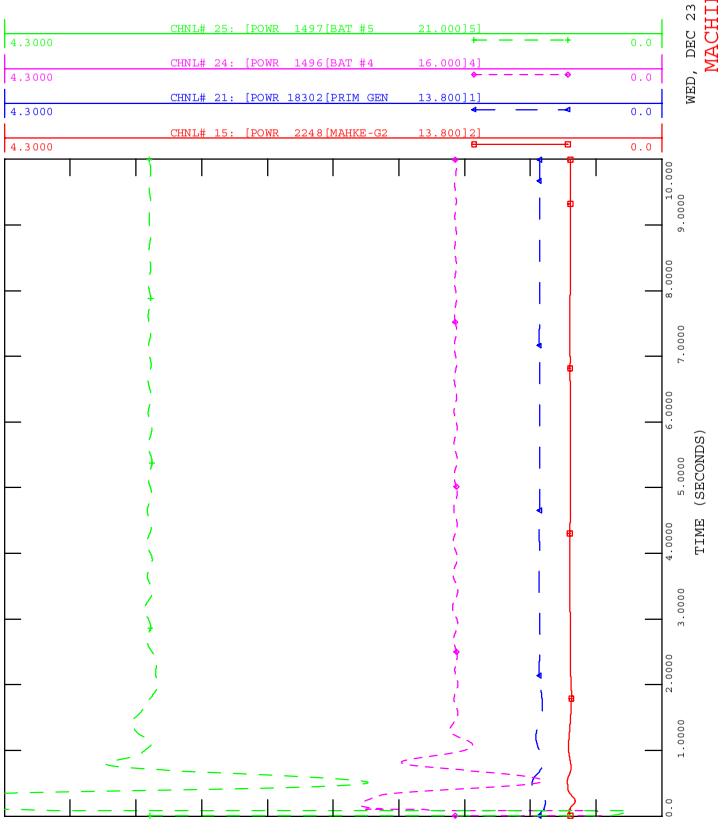


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

MACHINE POWER

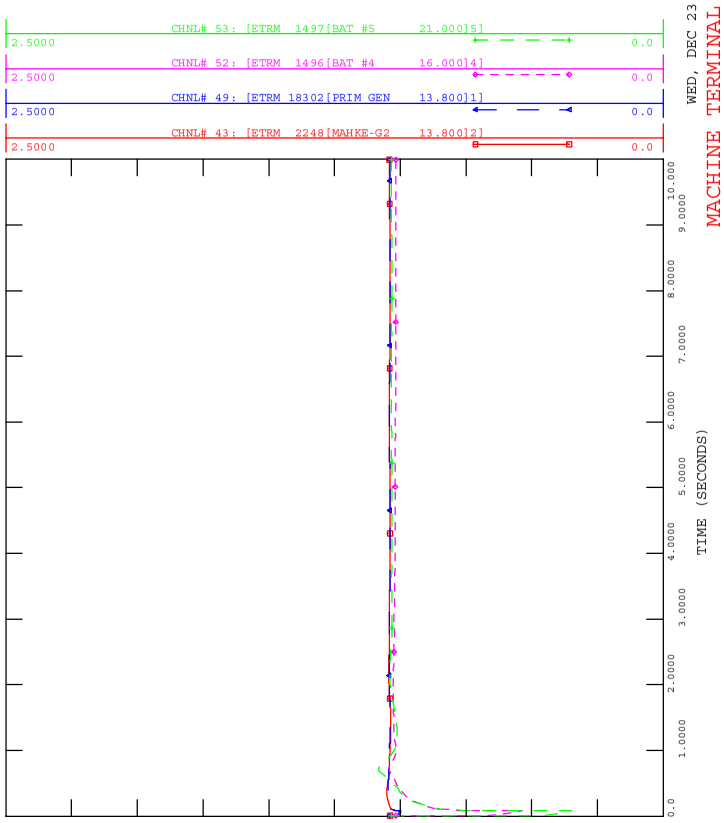


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

MACHINE TERMINAL VOLTAGE

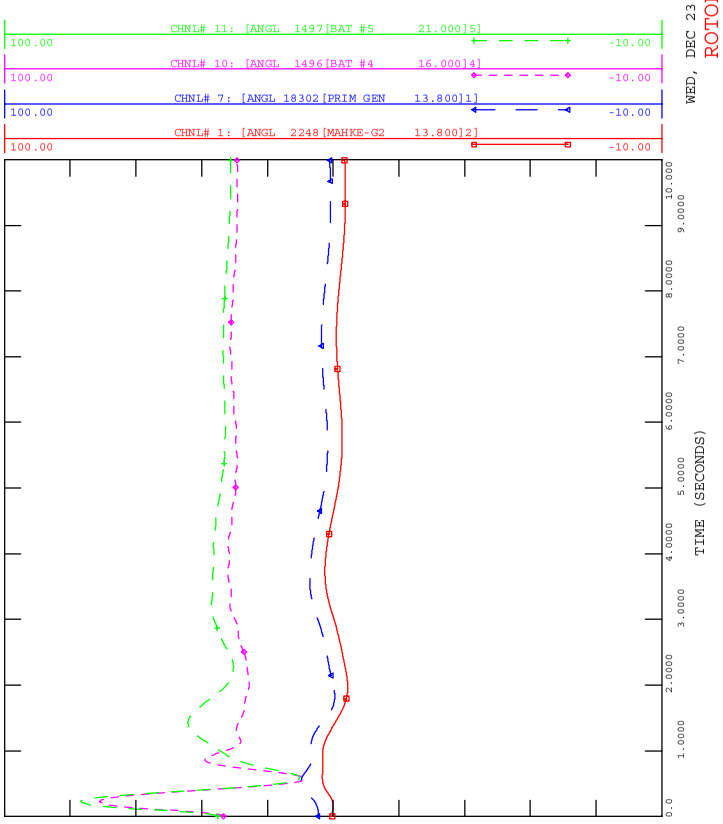


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

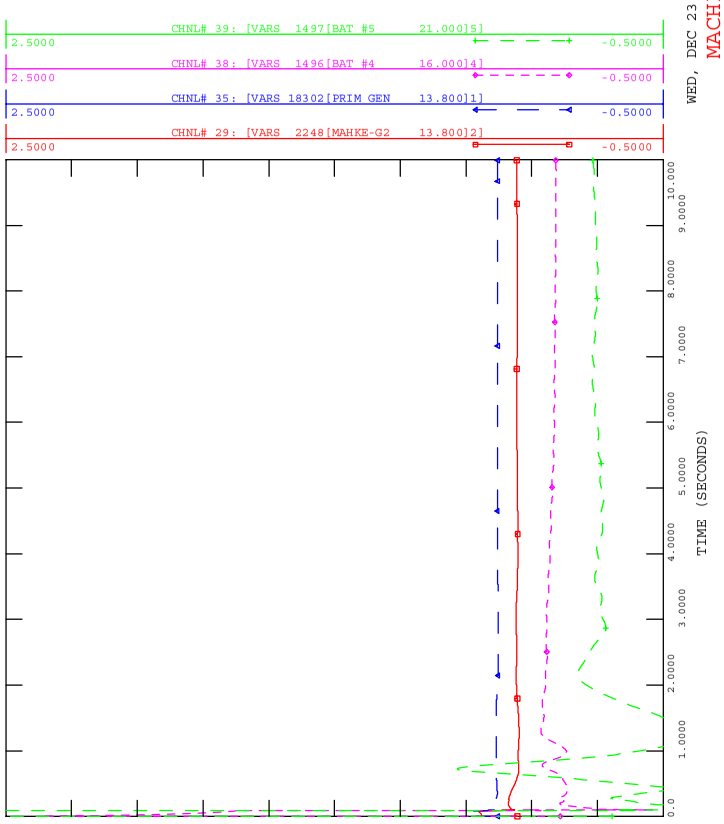


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

MACHINE VARS

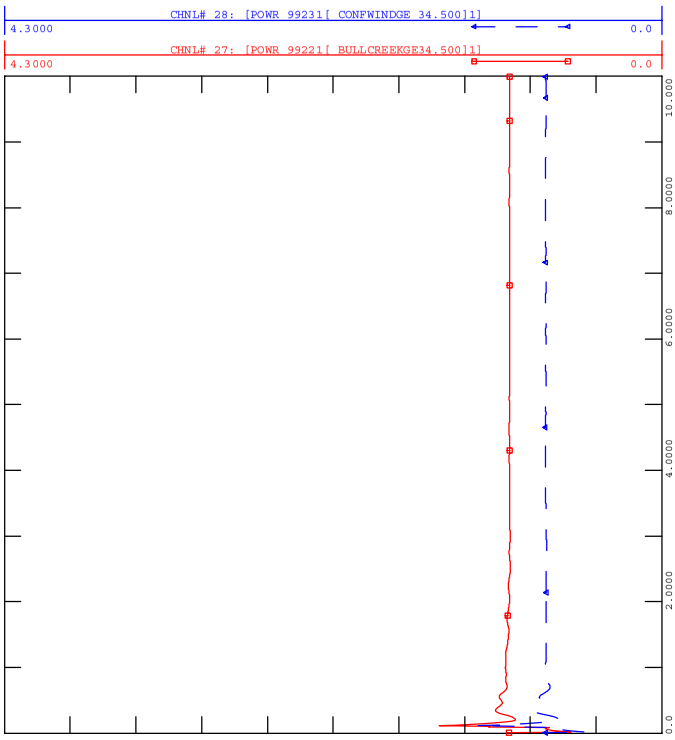


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

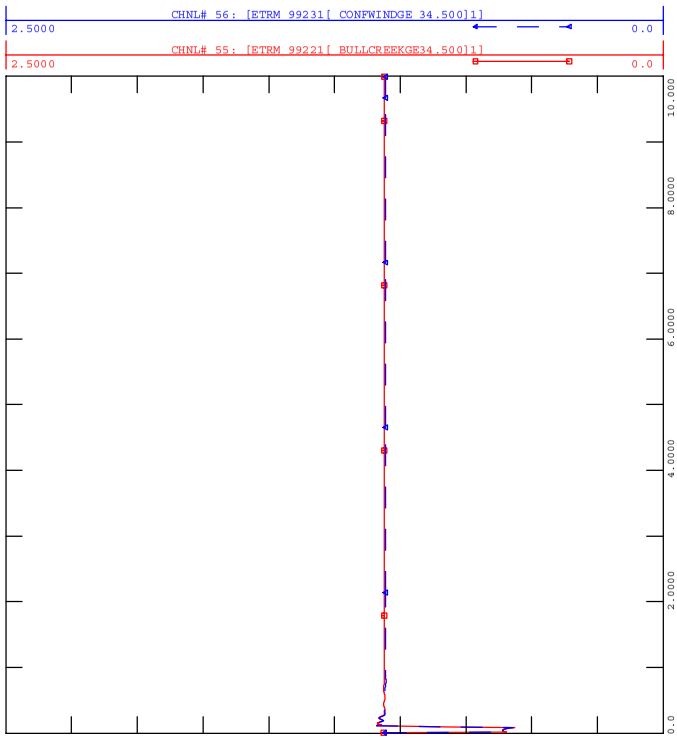


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

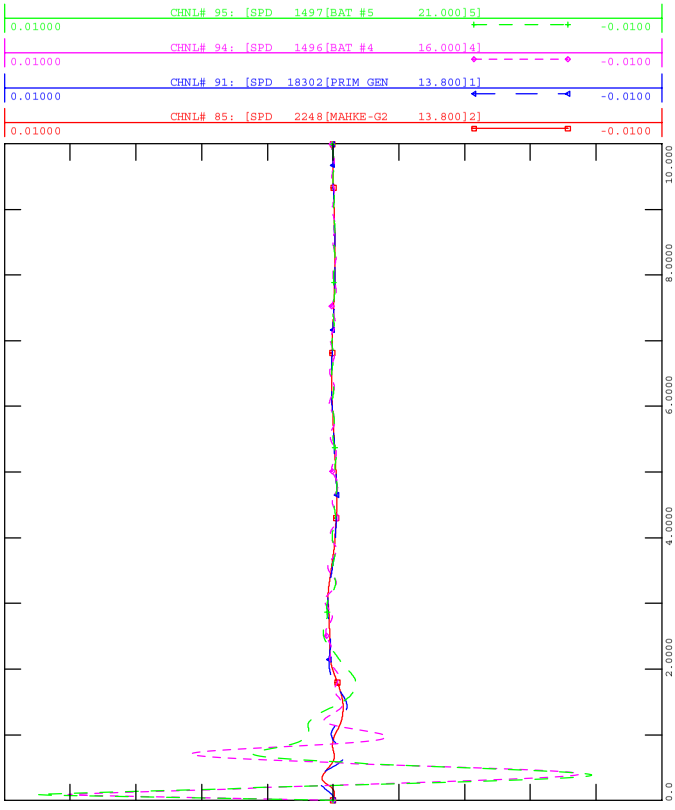


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

MACHINE SPEED

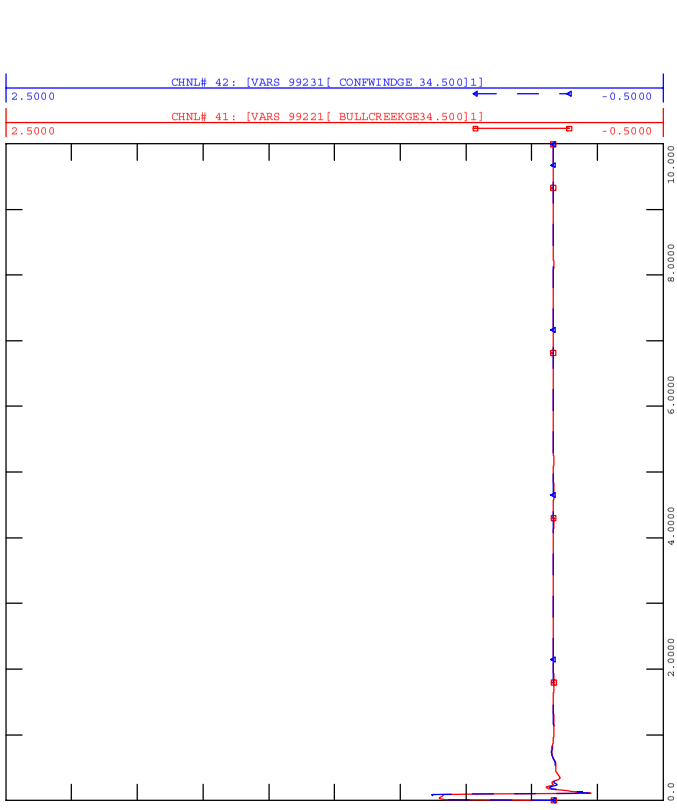


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE VARS

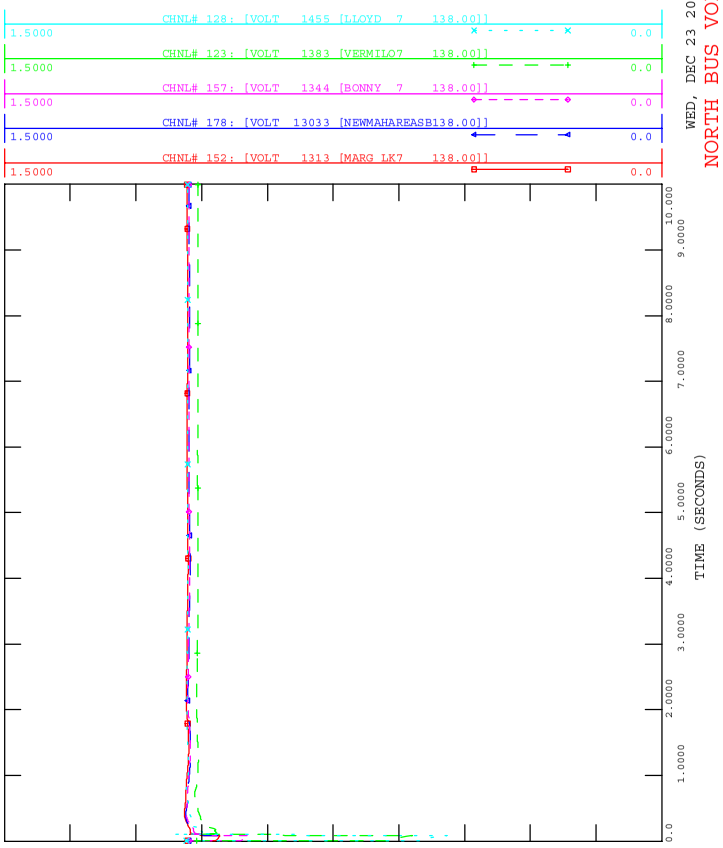


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

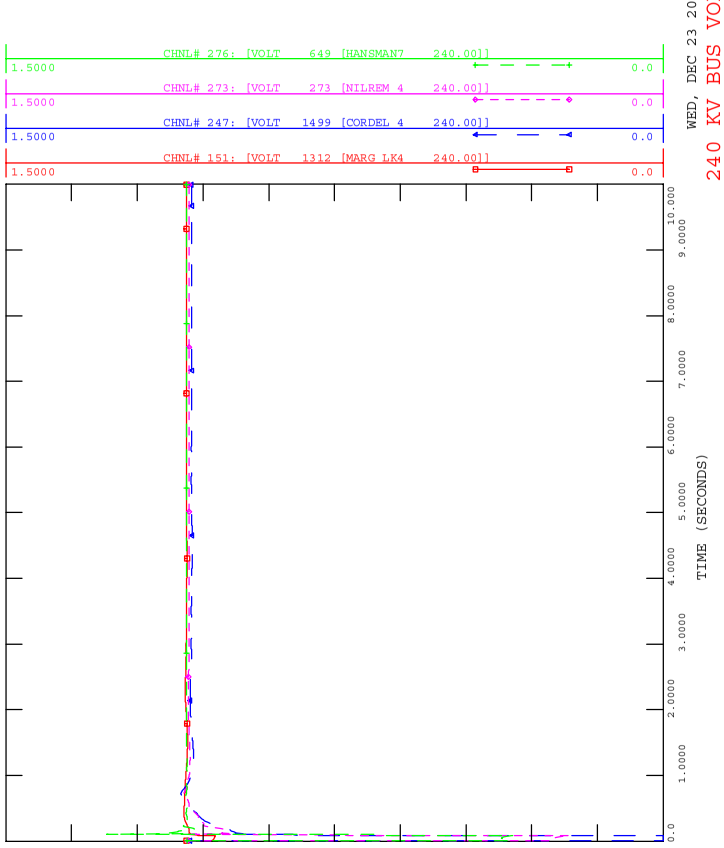


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

240 KV BUS VOLTAGES

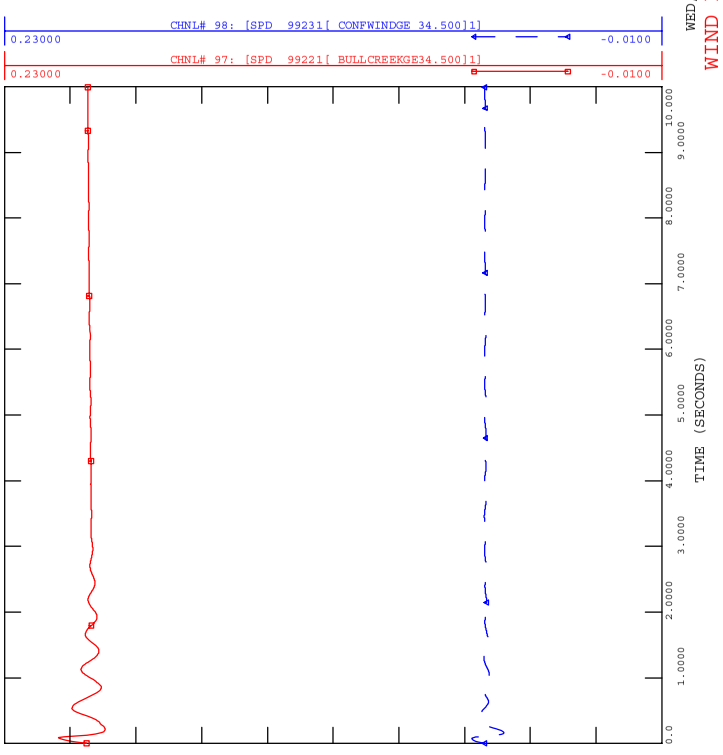


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE SPEED

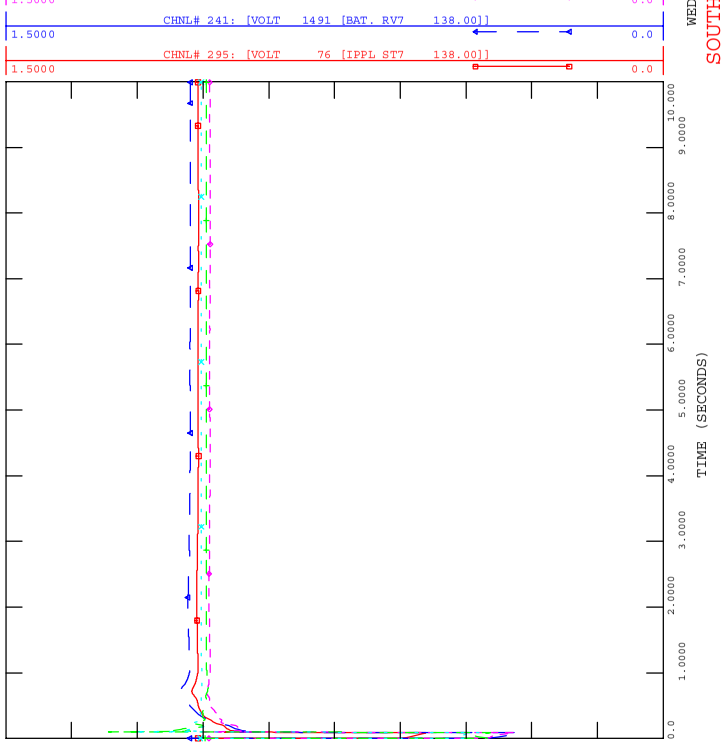


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

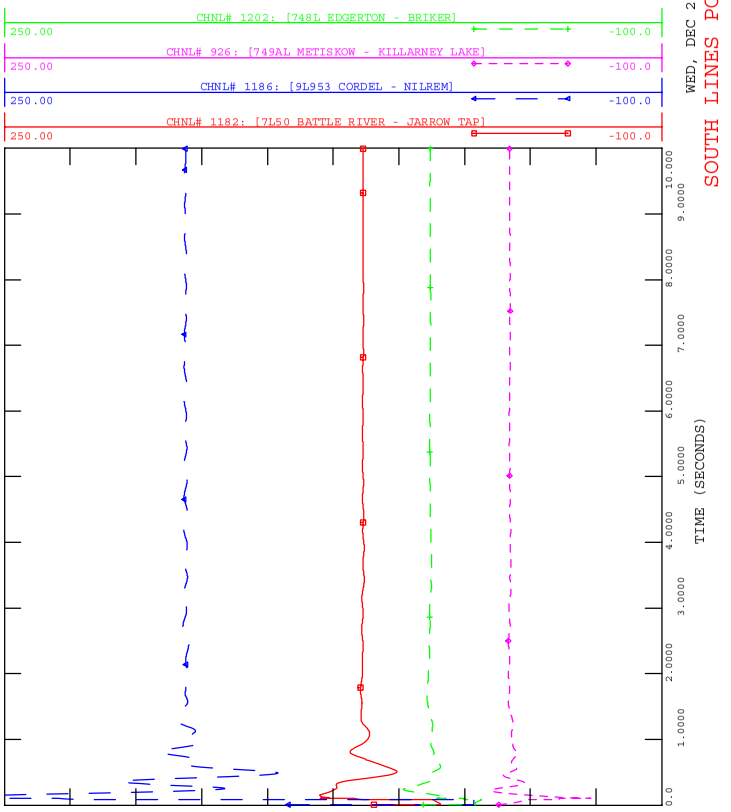
WED, DEC 23 2009 14:04

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

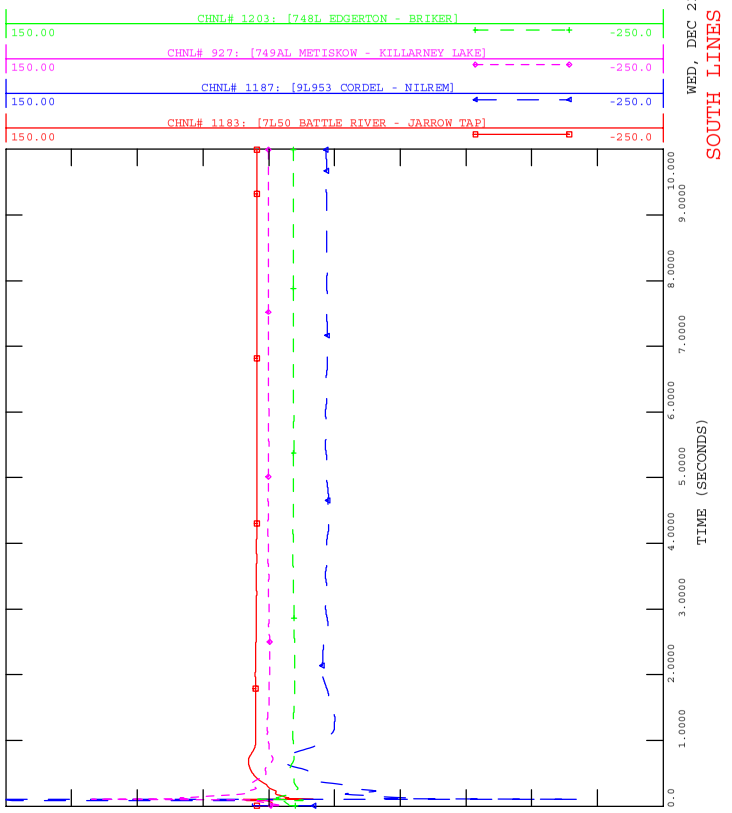


WED, DEC 23 2009 14:04

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

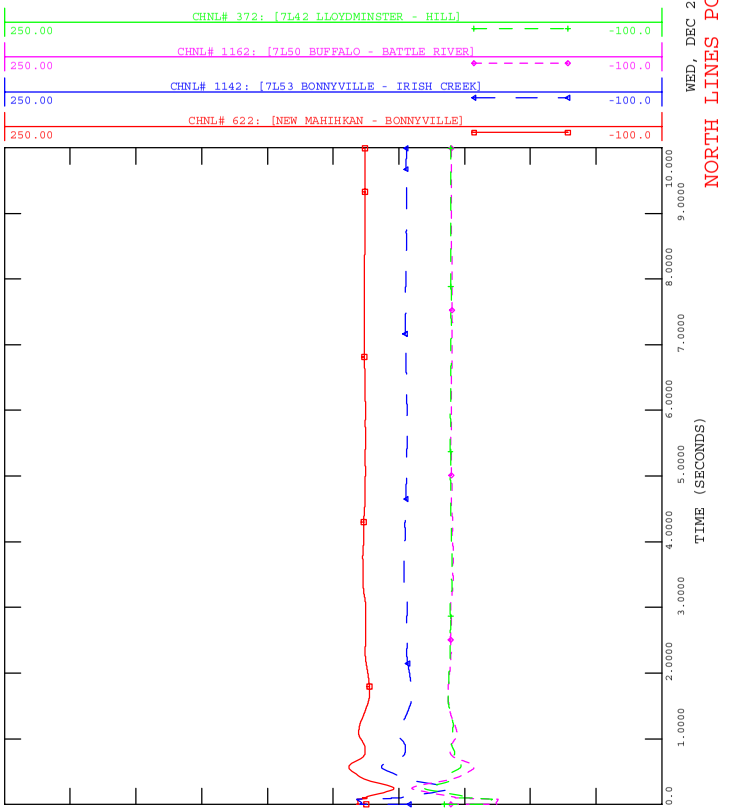


WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B10faultout.out

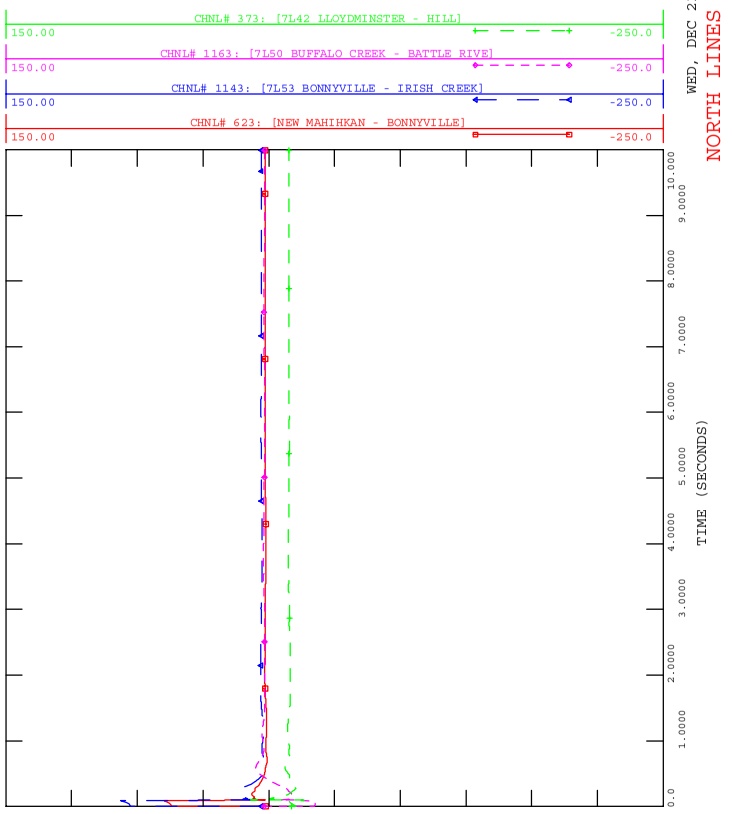


WED, DEC 23 2009 14:04

NORTH LINES POWER FLOW

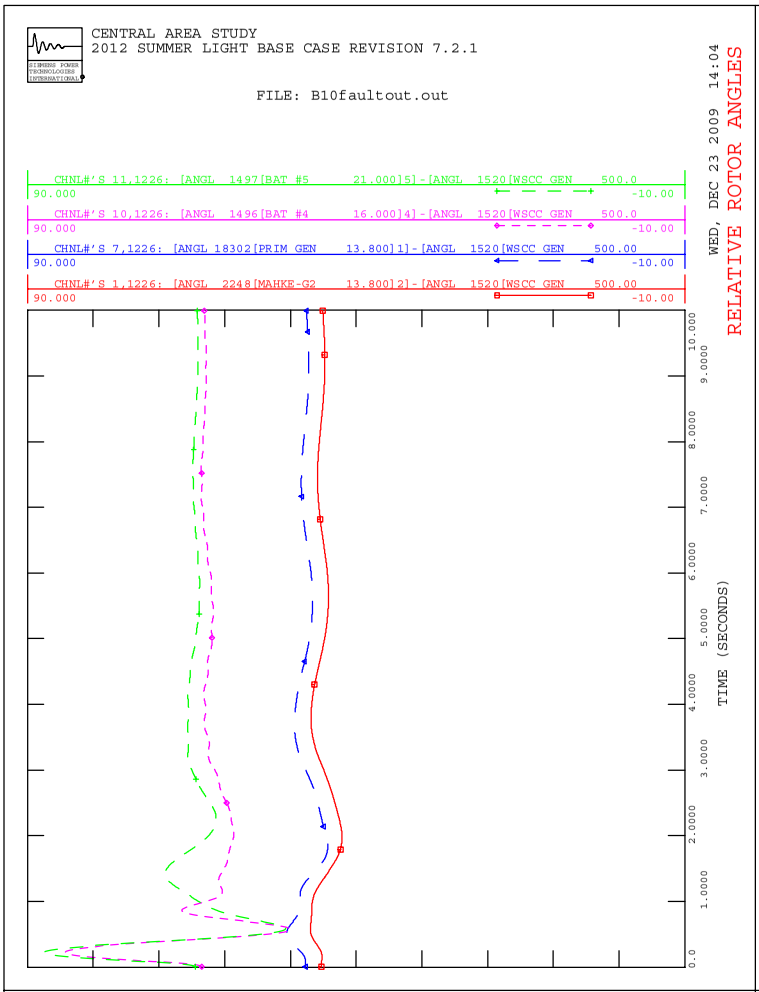
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

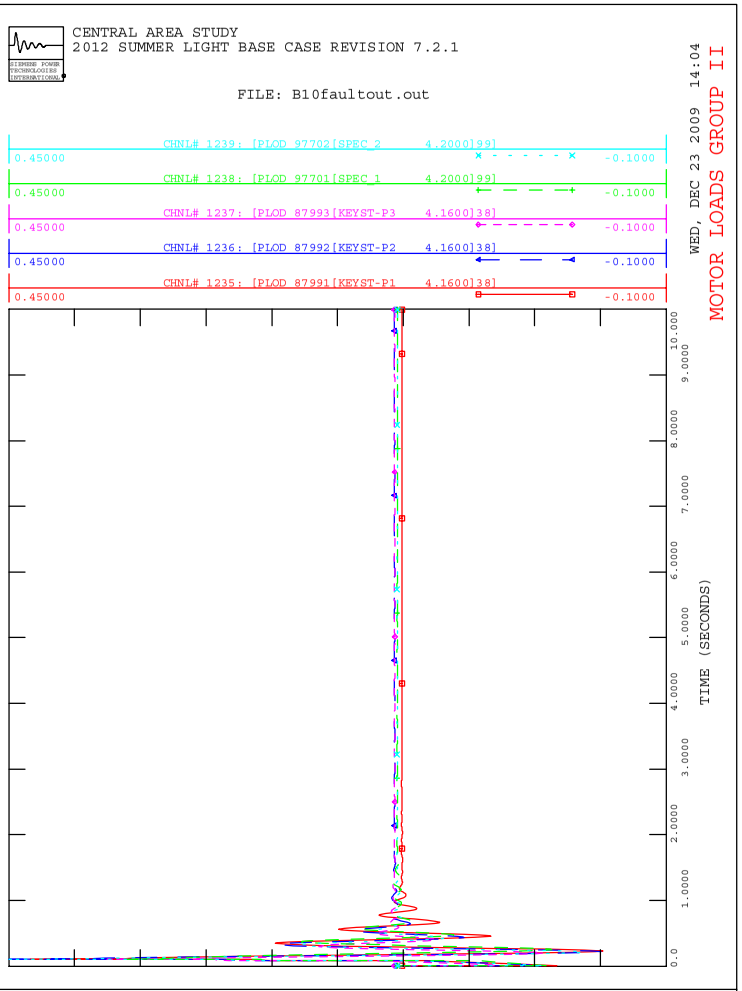
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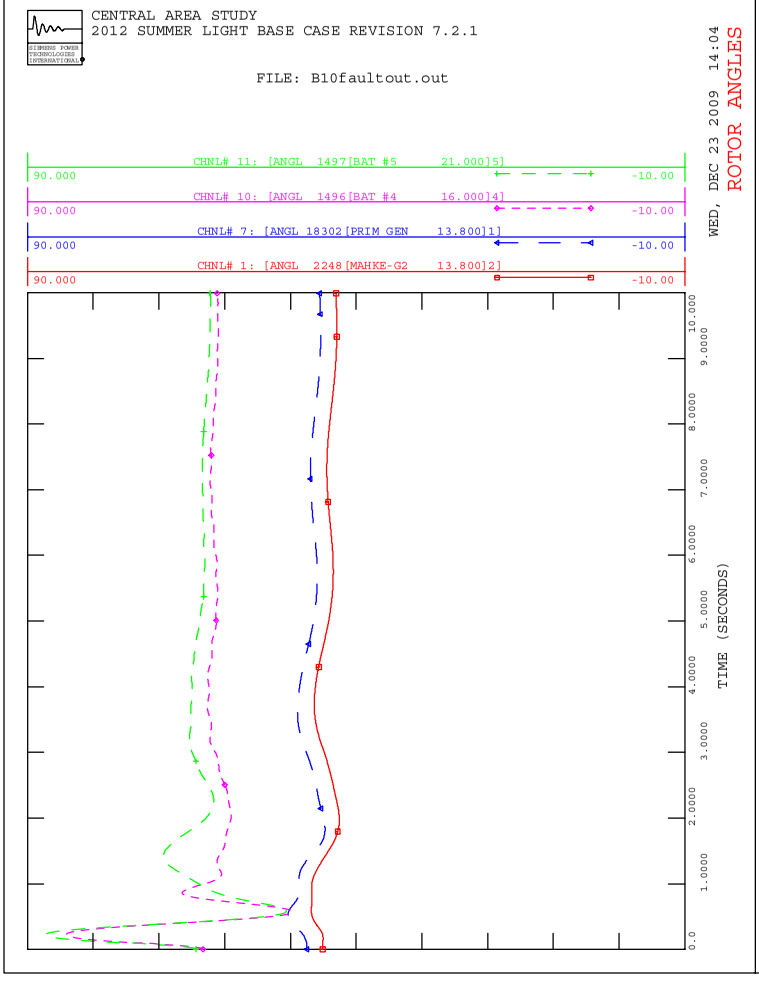


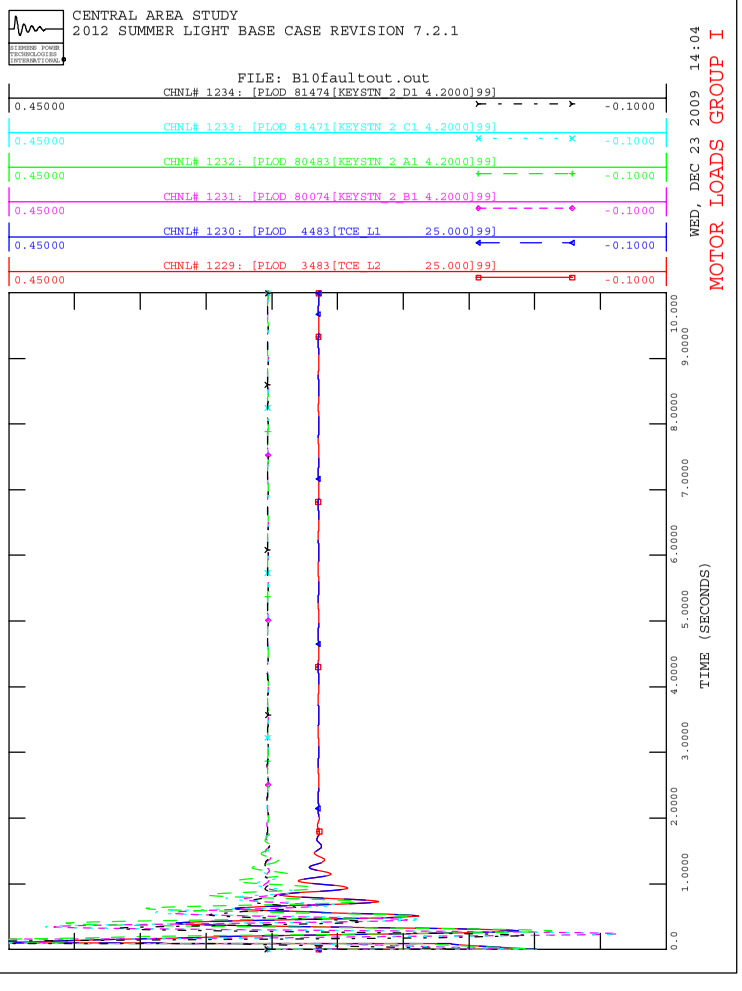
WED, DEC 23 2009 14:04

NORTH LINES VAR FLOW


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1
FILE: B10faultout.out
WED, DEC 23 2009 14:04
RELATIVE ROTOR ANGLES
CHNL#'S 11,1226: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
CHNL#'S 10,1226: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
CHNL#'S 7,1226: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
CHNL#'S 1,1226: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
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-10.00
TIME (SECONDS)
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4.0000
5.0000
6.0000
7.0000
8.0000
9.0000
10.000


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1
FILE: B10faultout.out
WED, DEC 23 2009 14:04
MOTOR LOADS GROUP II
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CHNL# 1238: [PLOD 97701[SPEC_1 4.2000]99]
CHNL# 1237: [PLOD 87993[KEYST-P3 4.1600]38]
CHNL# 1236: [PLOD 87992[KEYST-P2 4.1600]38]
CHNL# 1235: [PLOD 87991[KEYST-P1 4.1600]38]
0.45000
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TIME (SECONDS)
0.0
1.0000
2.0000
3.0000
4.0000
5.0000
6.0000
7.0000
8.0000
9.0000
10.000


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1
FILE: B10faultout.out
WED, DEC 23 2009 14:04
ROTOR ANGLES
CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
90.000
-10.00
TIME (SECONDS)
0.0
1.0000
2.0000
3.0000
4.0000
5.0000
6.0000
7.0000
8.0000
9.0000
10.000

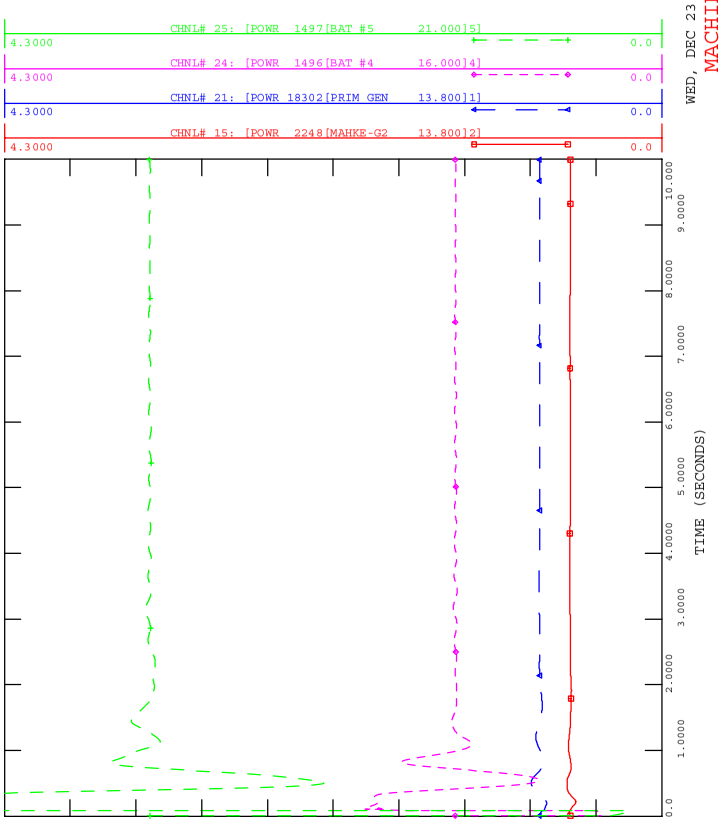

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1
FILE: B10faultout.out
WED, DEC 23 2009 14:04
MOTOR LOADS GROUP I
CHNL# 1234: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
CHNL# 1233: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
CHNL# 1232: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
CHNL# 1231: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
CHNL# 1230: [PLOD 4483[TCE L1 25.000]99]
CHNL# 1229: [PLOD 3483[TCE L2 25.000]99]
0.45000
-0.1000
TIME (SECONDS)
0.0
1.0000
2.0000
3.0000
4.0000
5.0000
6.0000
7.0000
8.0000
9.0000
10.000

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

MACHINE POWER

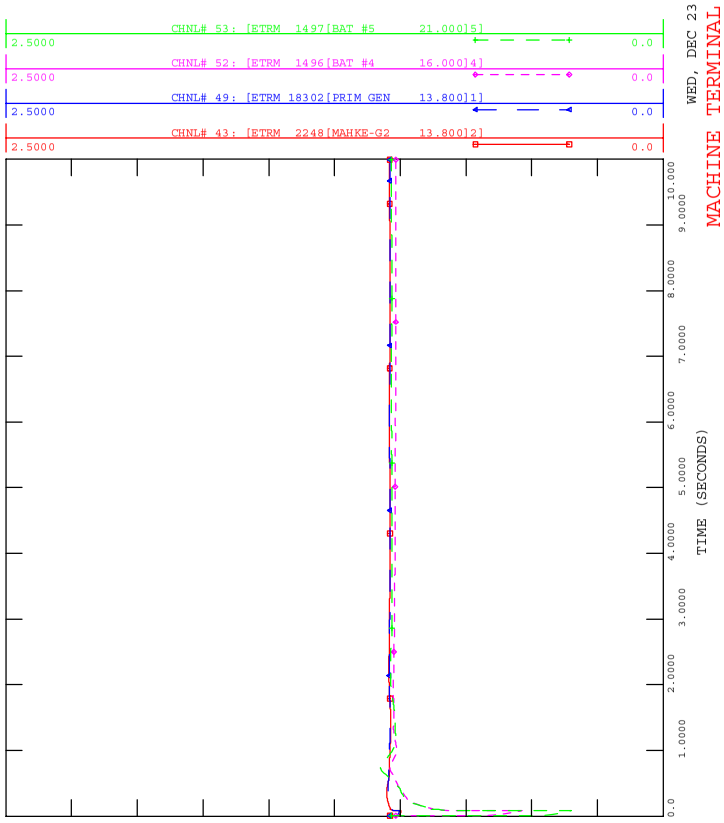


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

MACHINE TERMINAL VOLTAGE

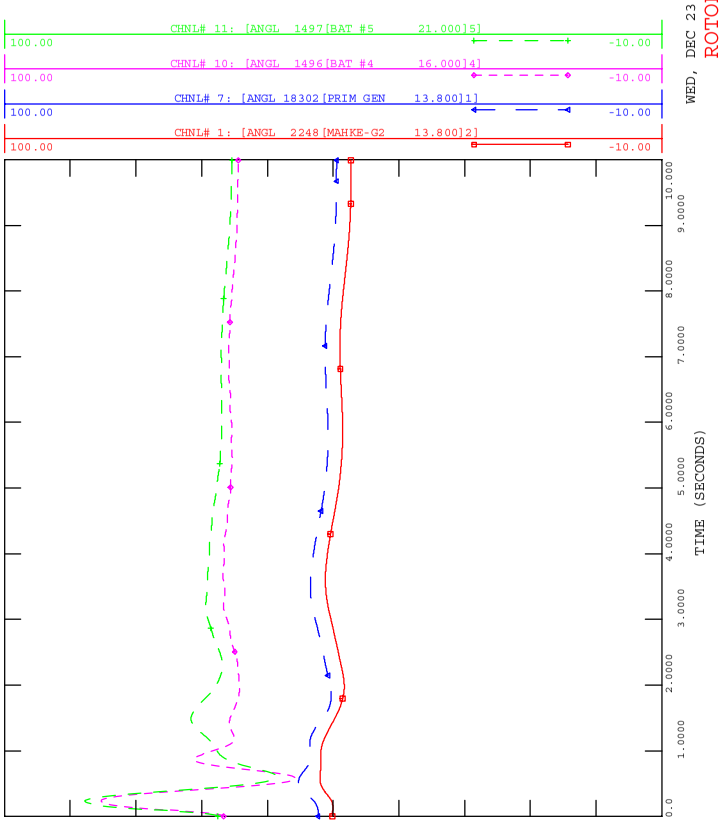


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

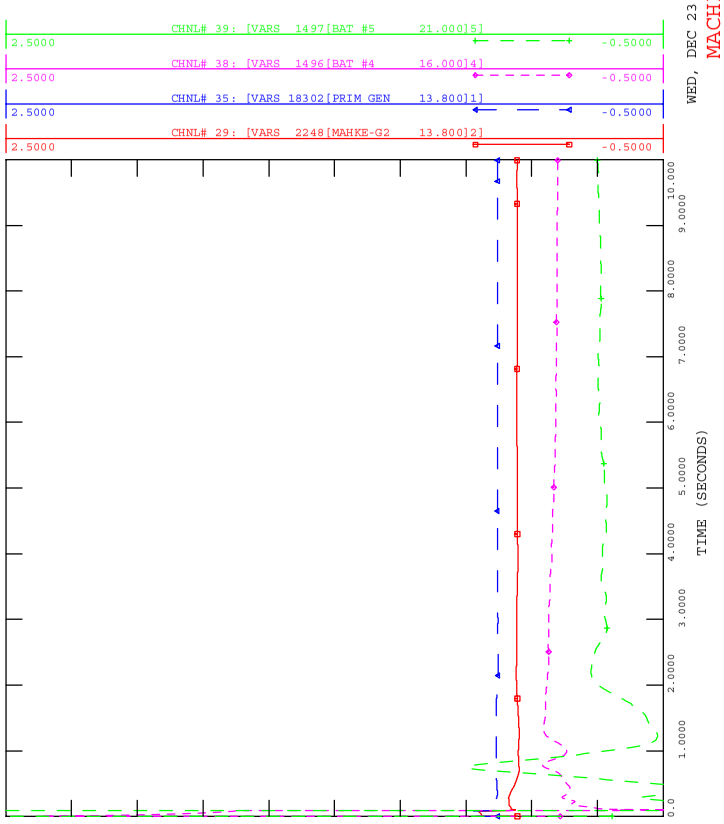


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

MACHINE VARS

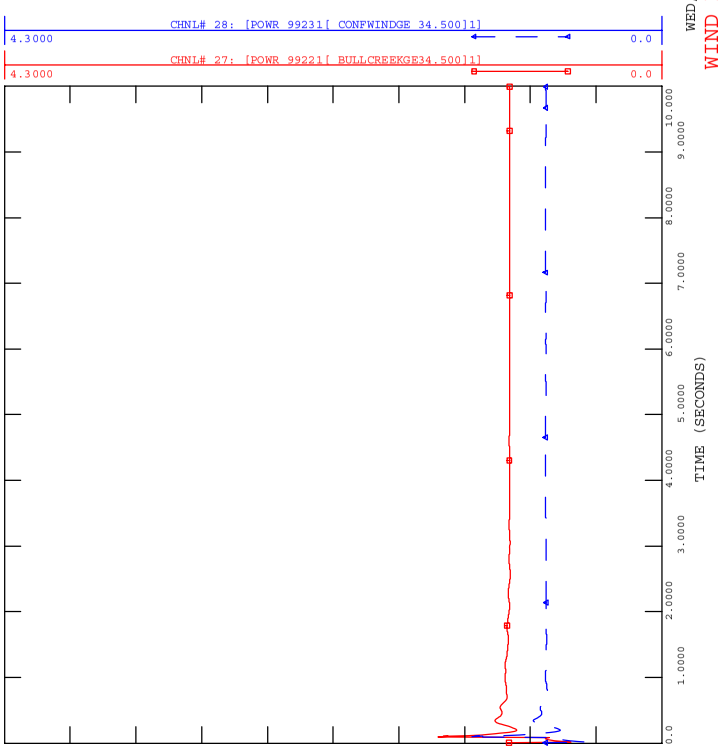


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

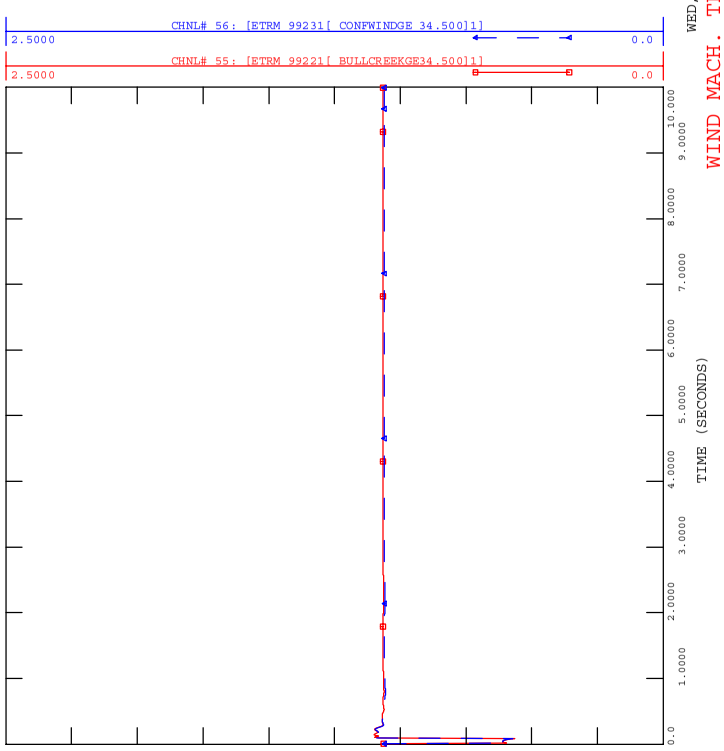


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

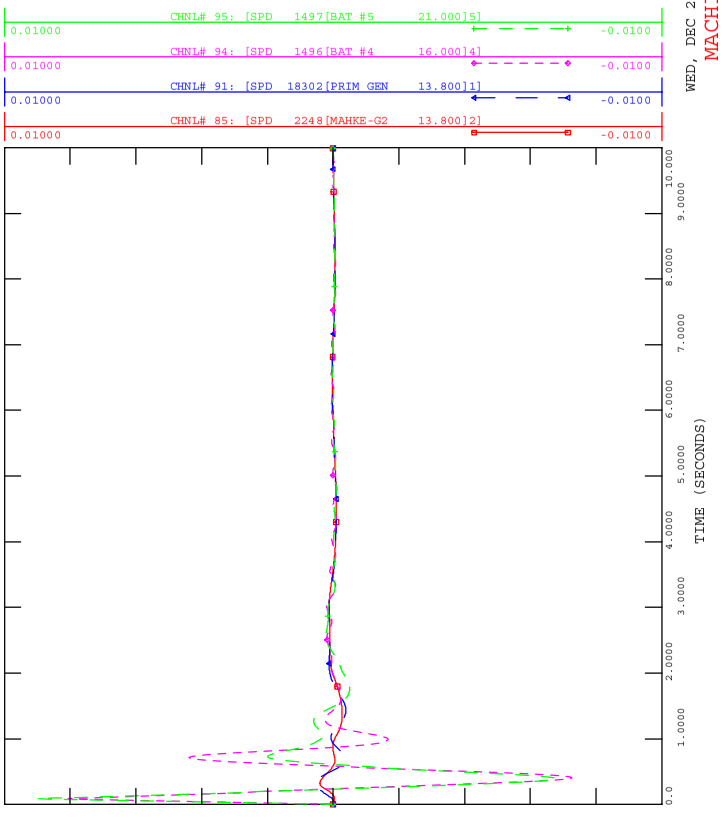


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

MACHINE SPEED

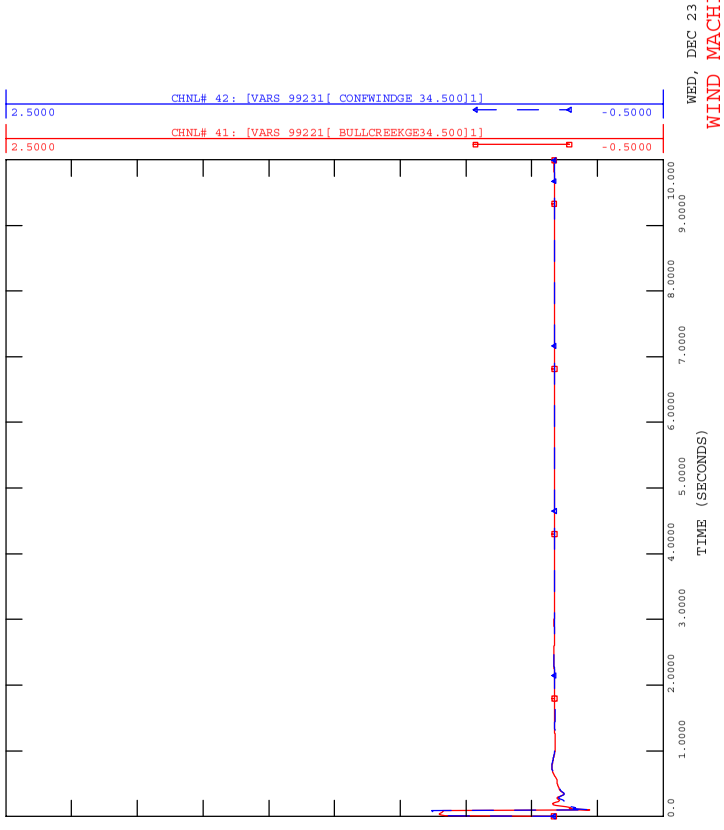


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE VARS

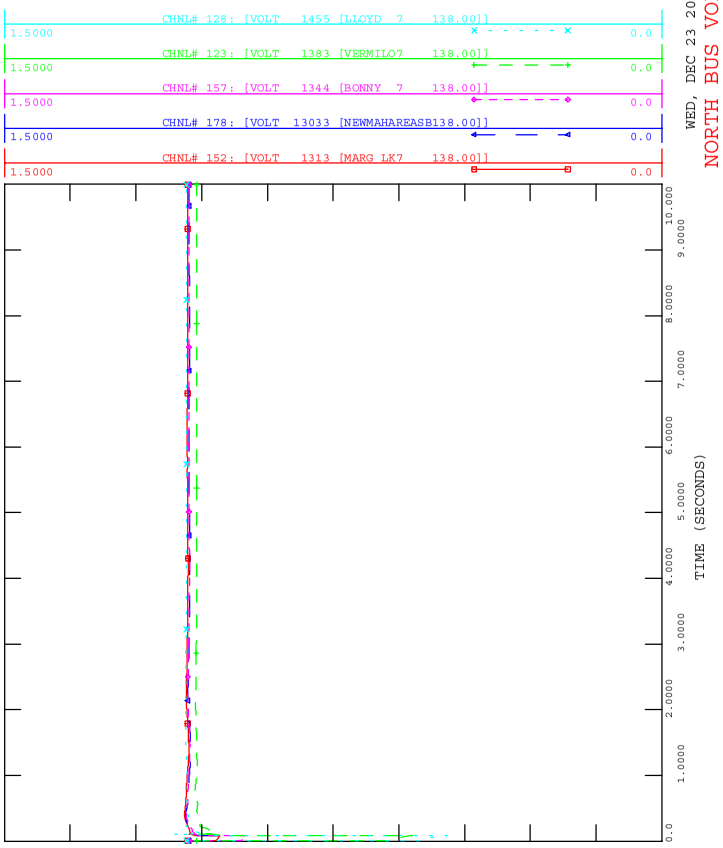


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

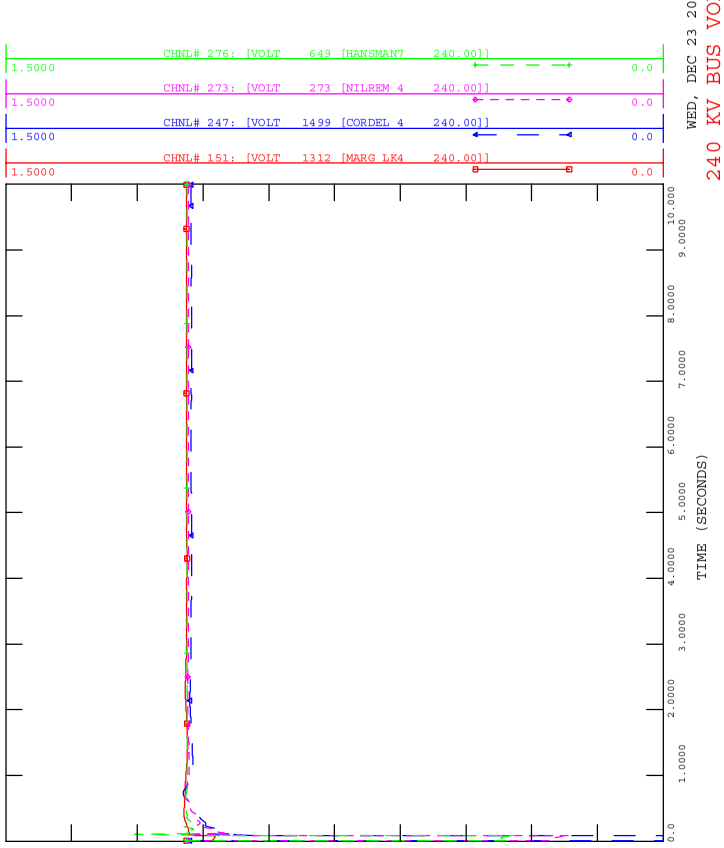


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

240 KV BUS VOLTAGES

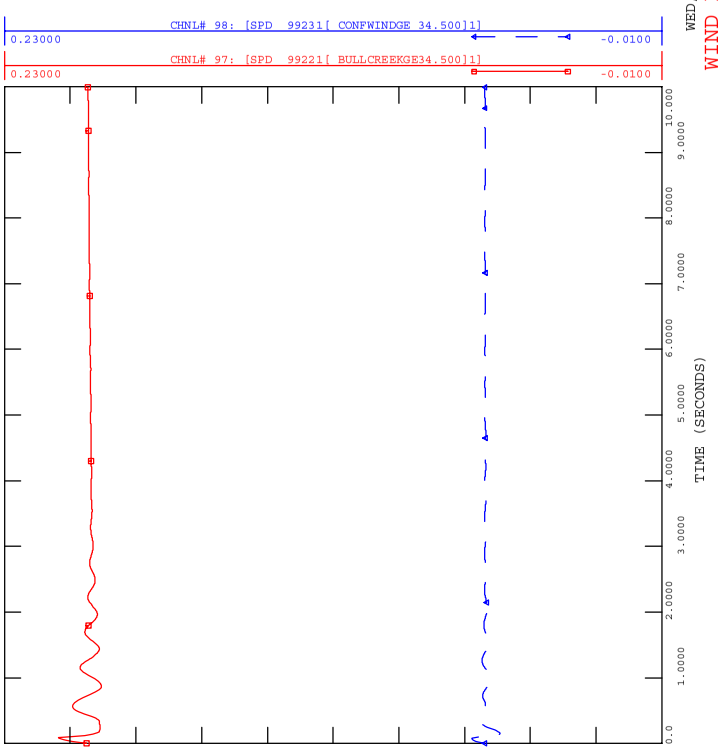


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE SPEED

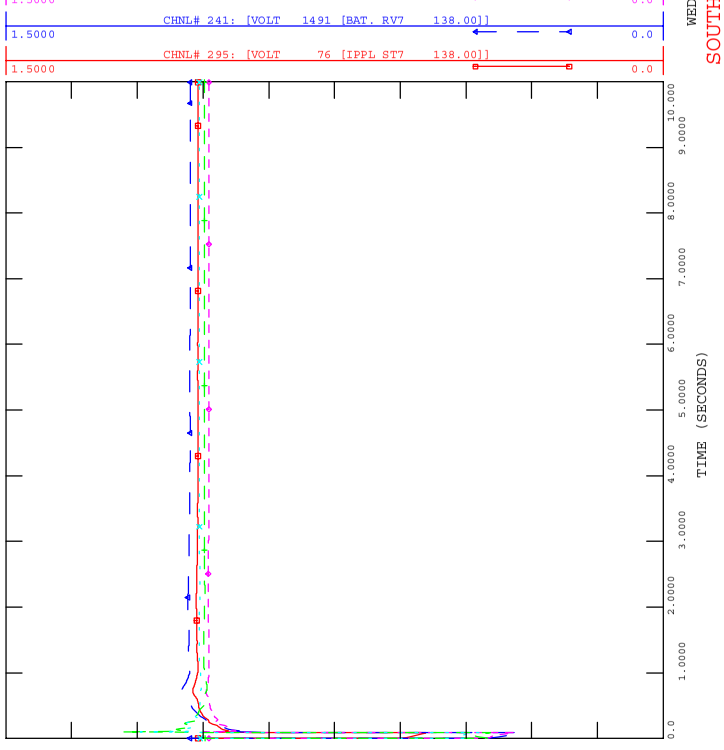


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

SOUTH BUS VOLTAGES

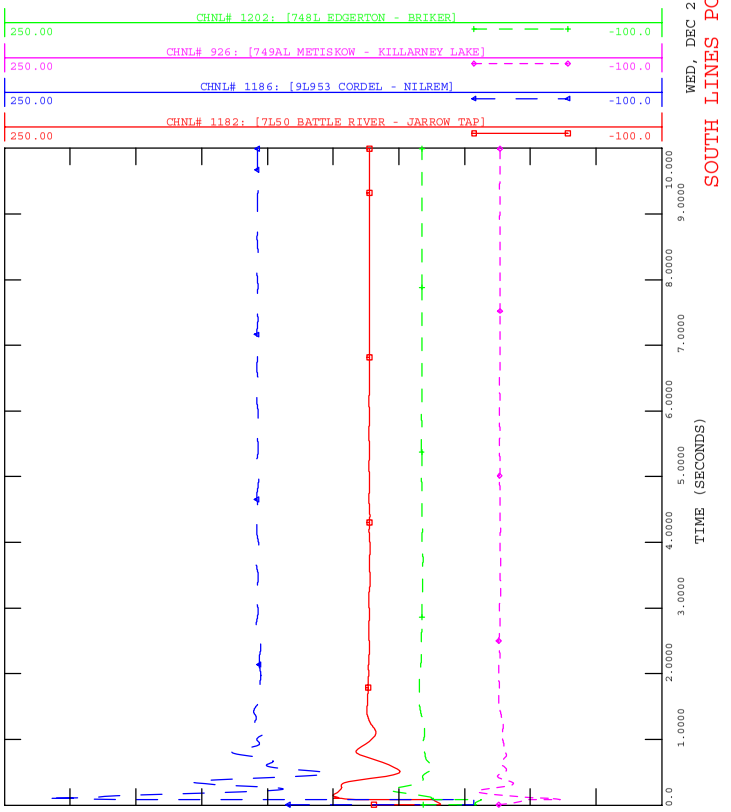


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

SOUTH LINES POWER FLOW

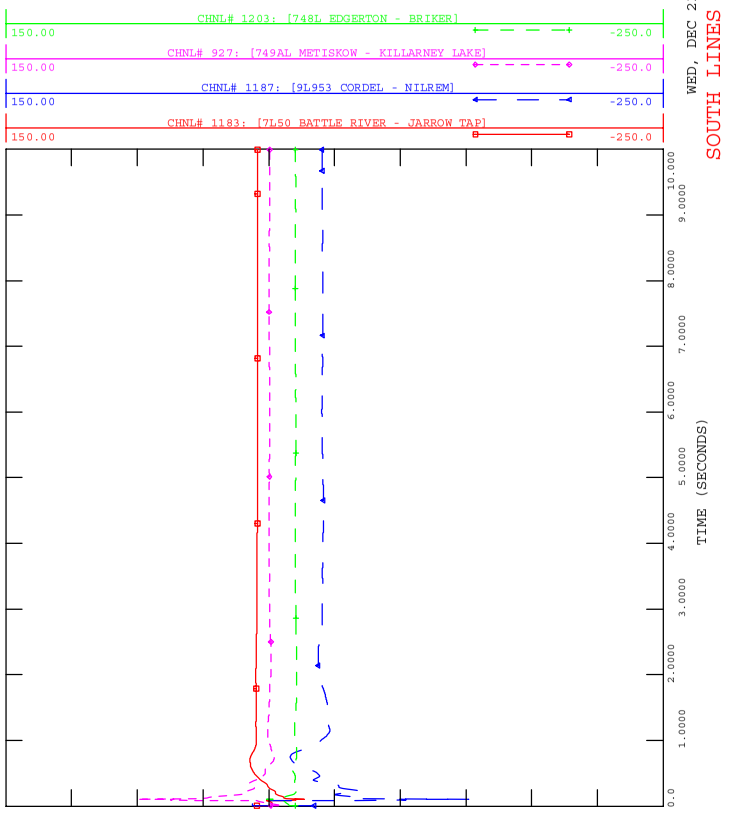


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

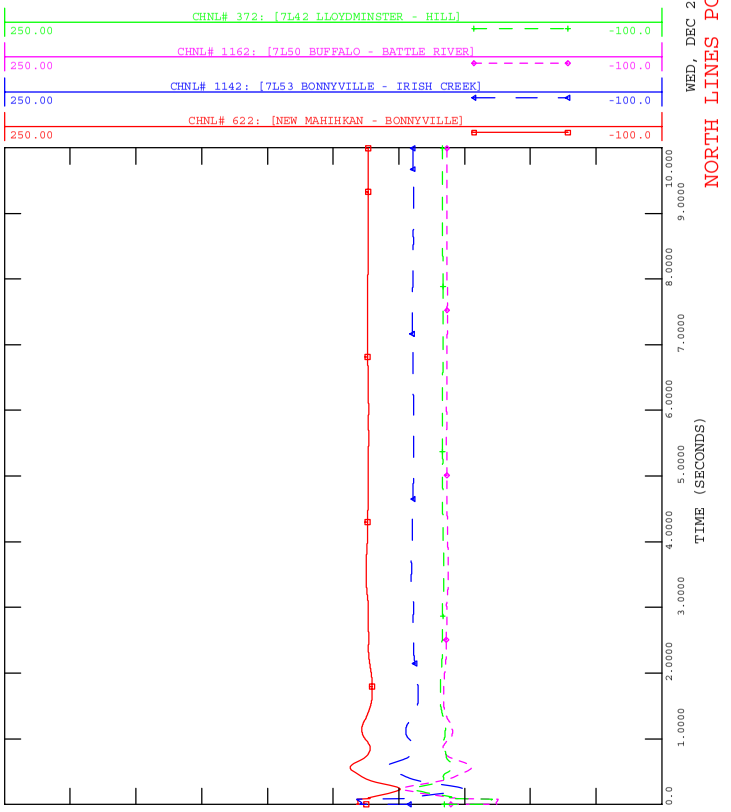


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

NORTH LINES POWER FLOW

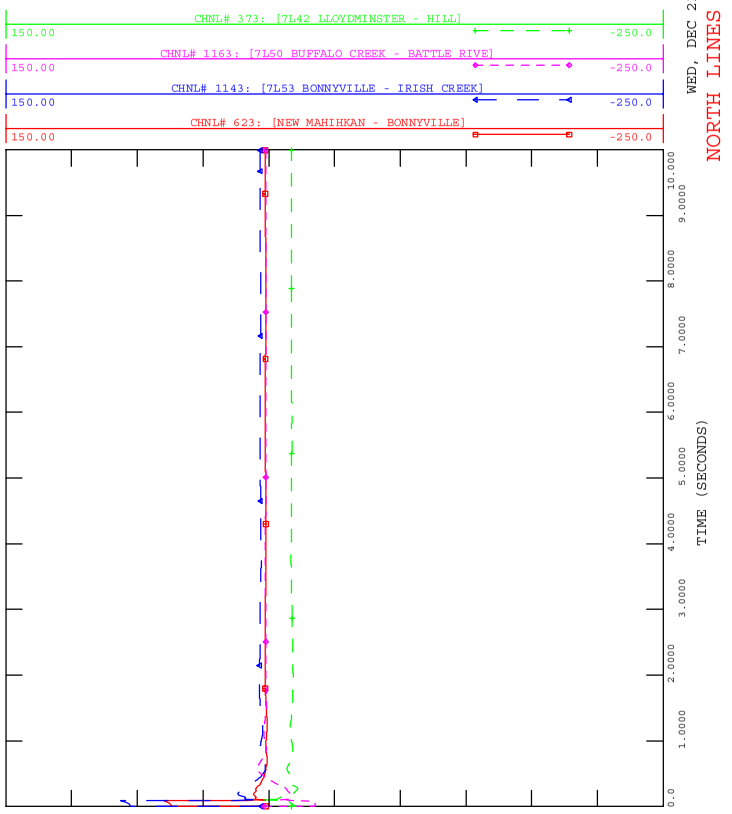


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

NORTH LINES VAR FLOW

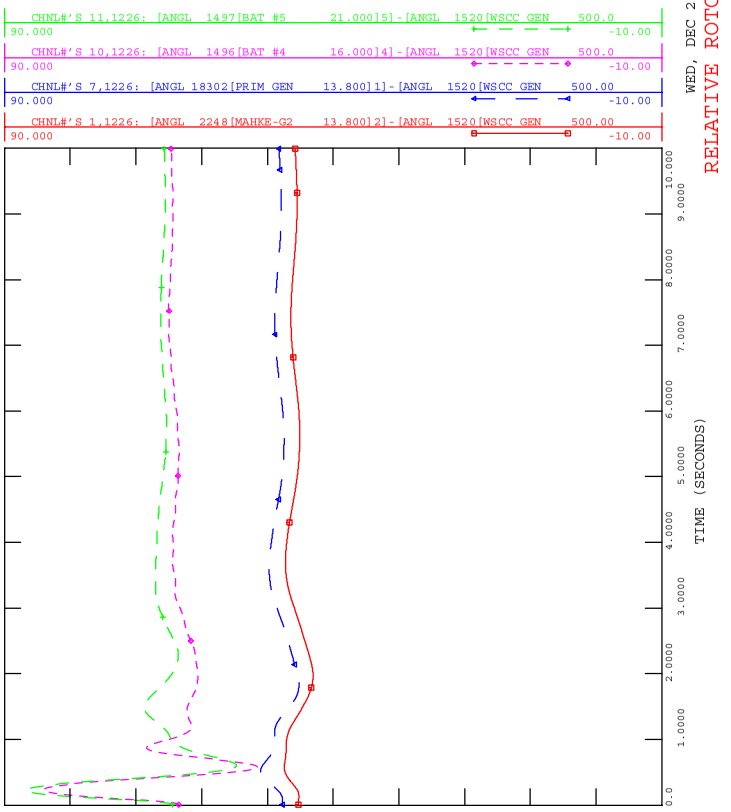


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

RELATIVE ROTOR ANGLES

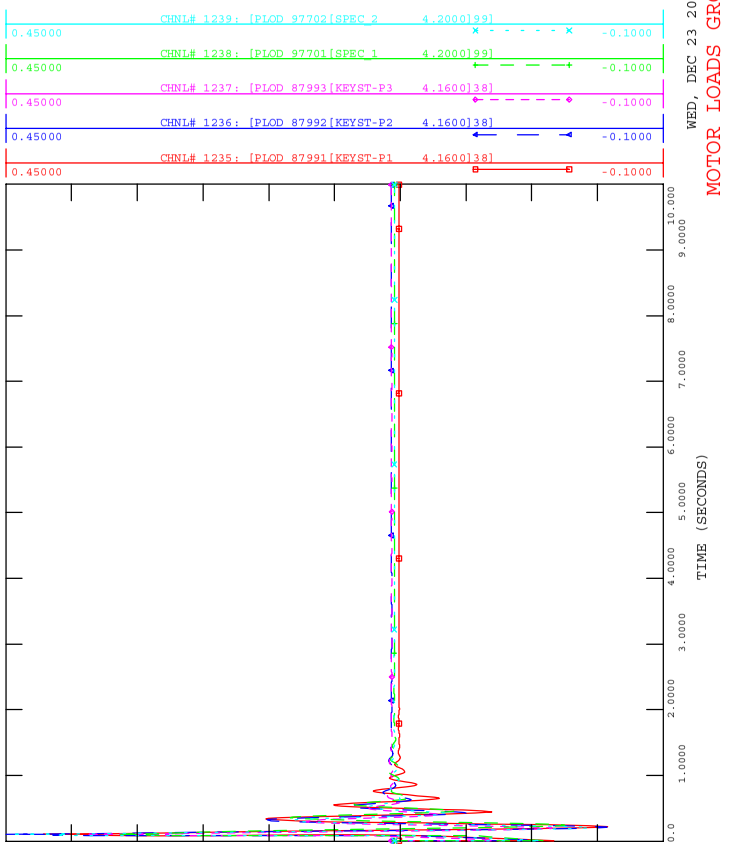


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP II

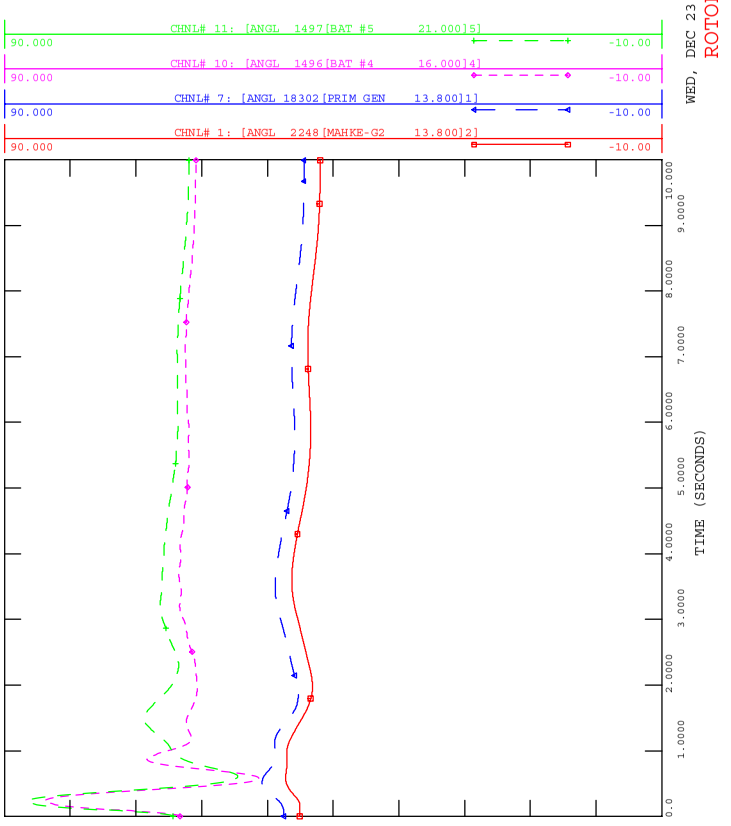


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

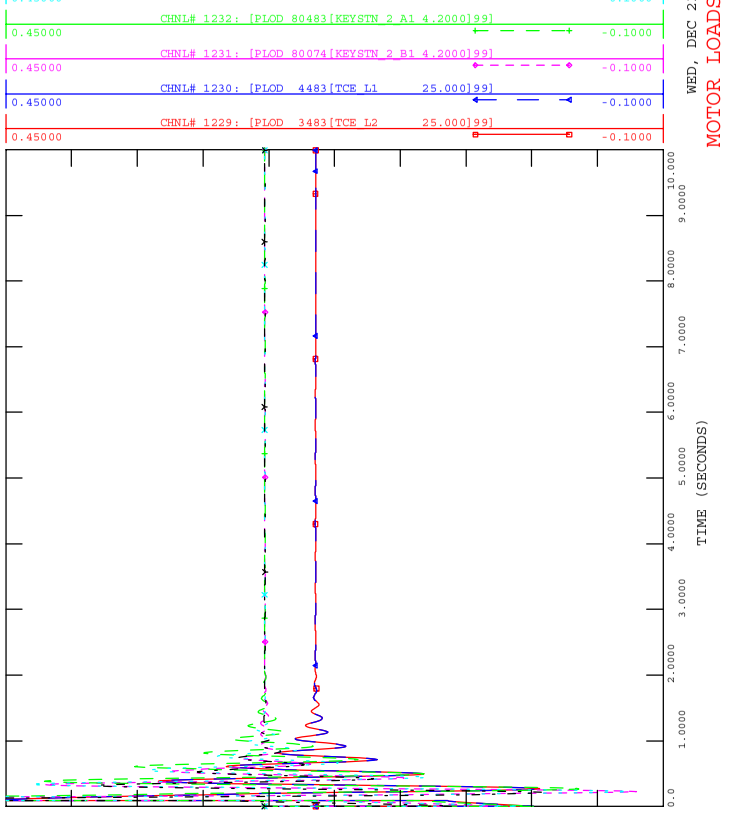


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: B11faultout.out

WED, DEC 23 2009 14:04

MOTOR LOADS GROUP I



Dynamic Stability Plots

2012 Summer Light

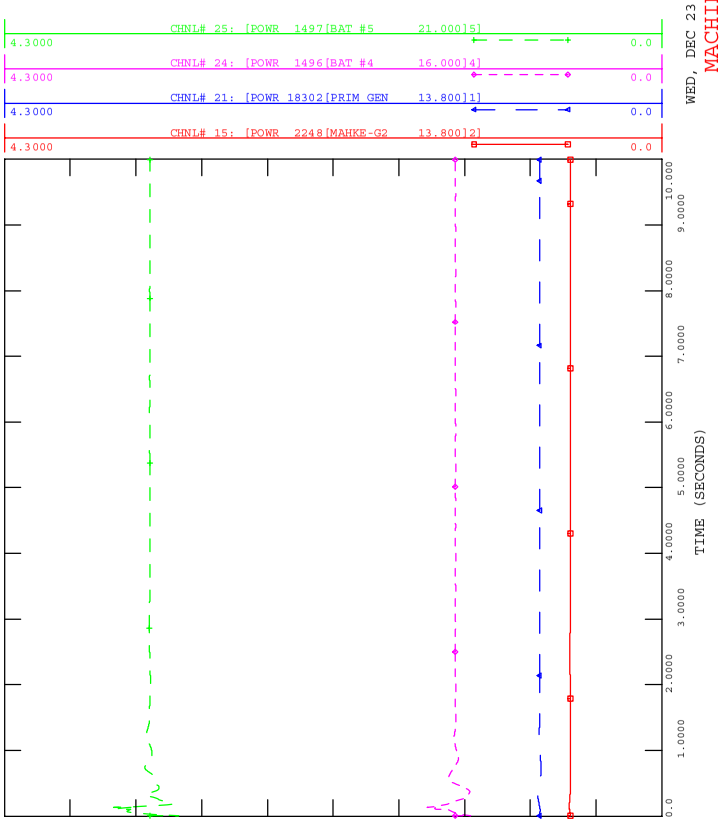
Category C Contingencies

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

MACHINE POWER

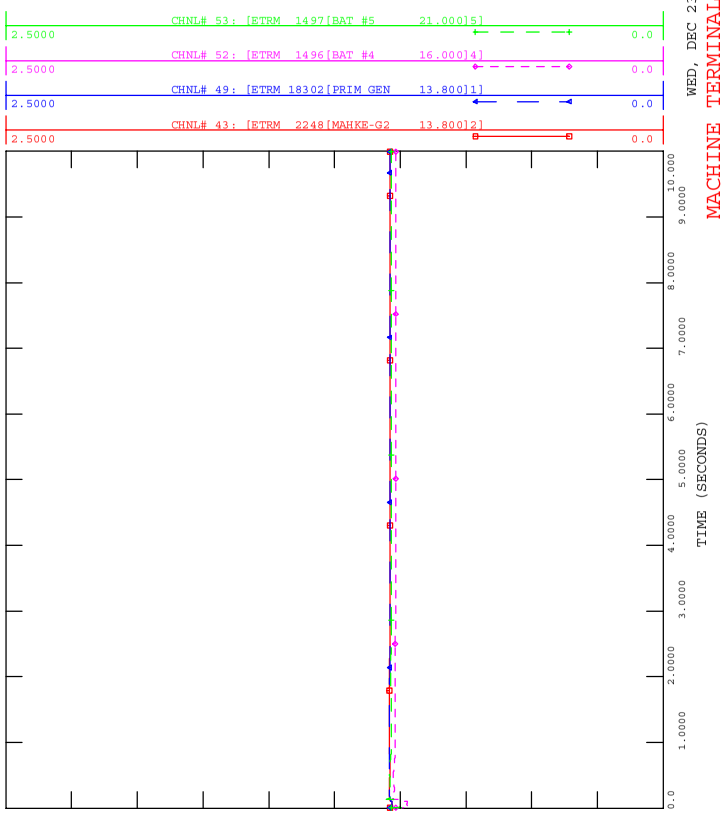


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

MACHINE TERMINAL VOLTAGE

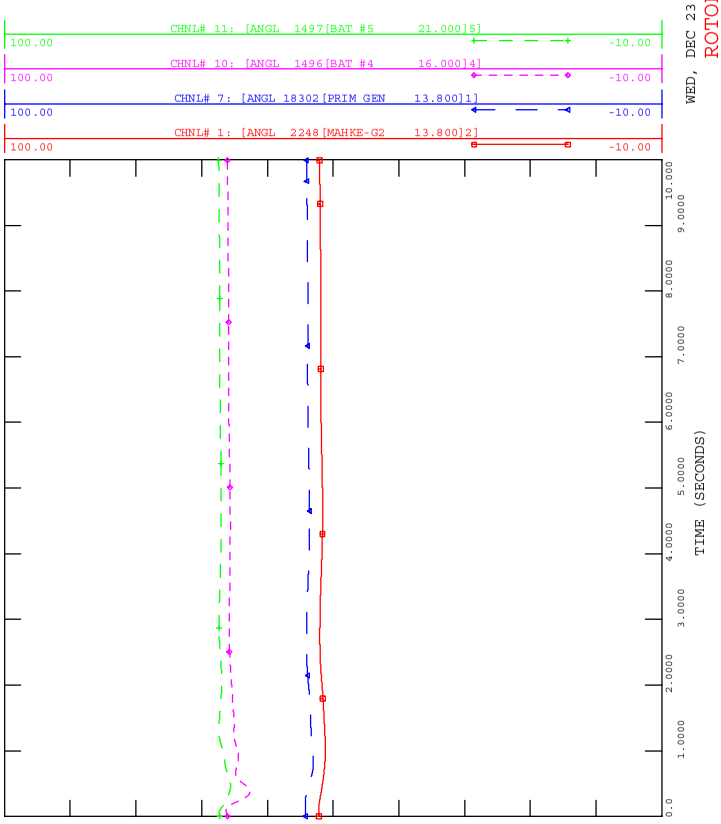


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

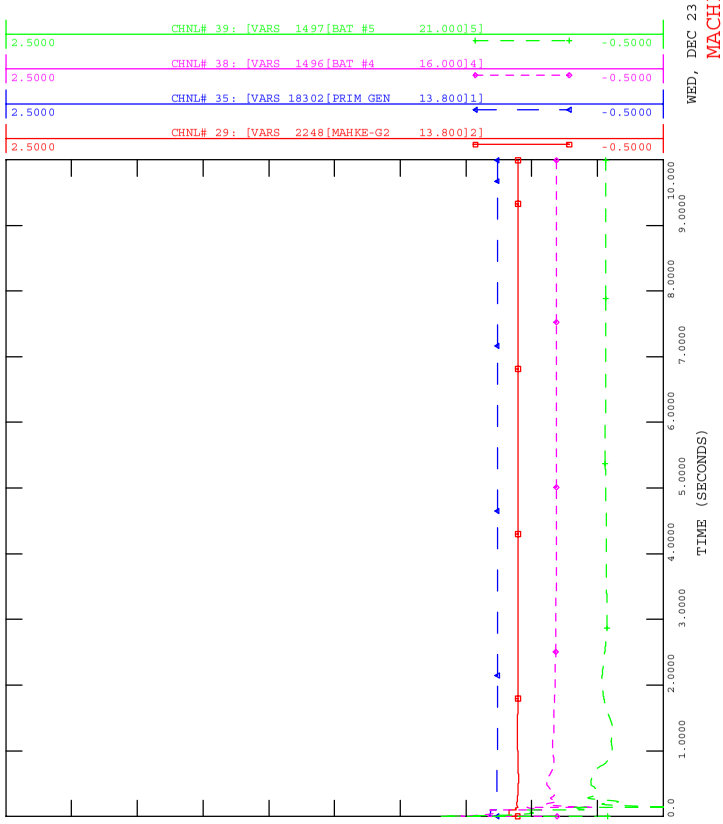


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

MACHINE VARS

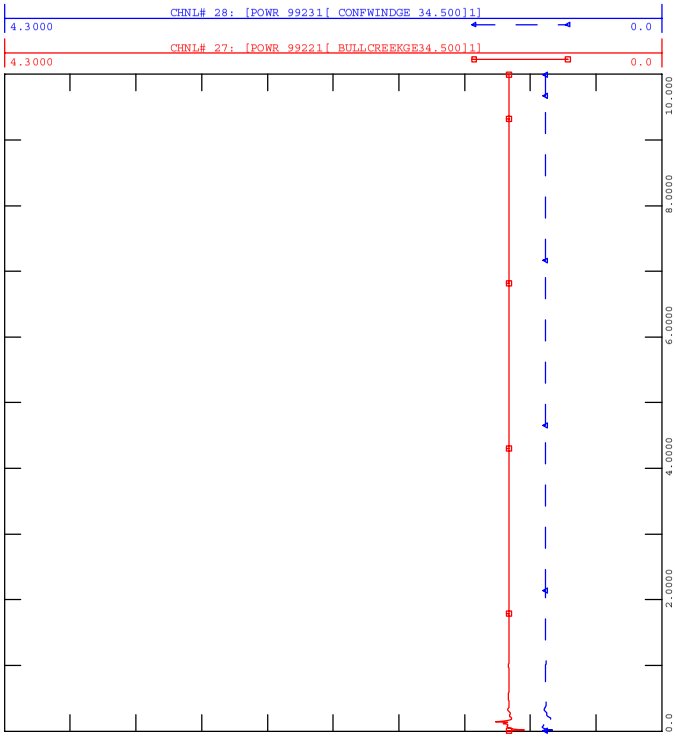


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE POWER

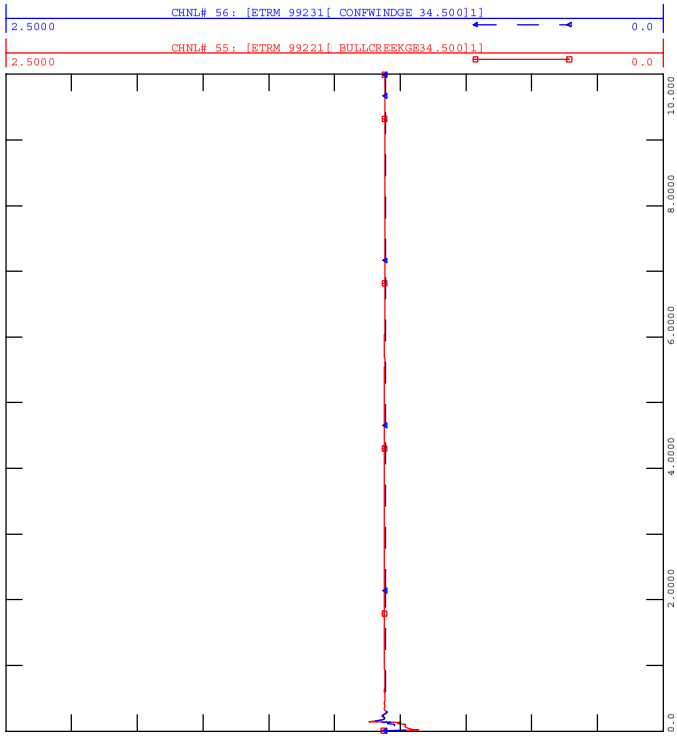


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

WIND MACH. TERMINAL VOLTS

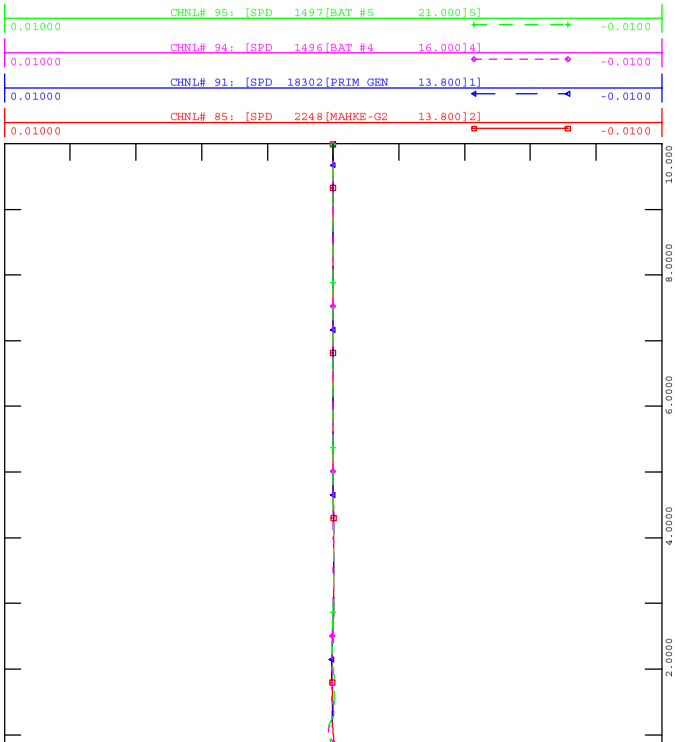


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

MACHINE SPEED

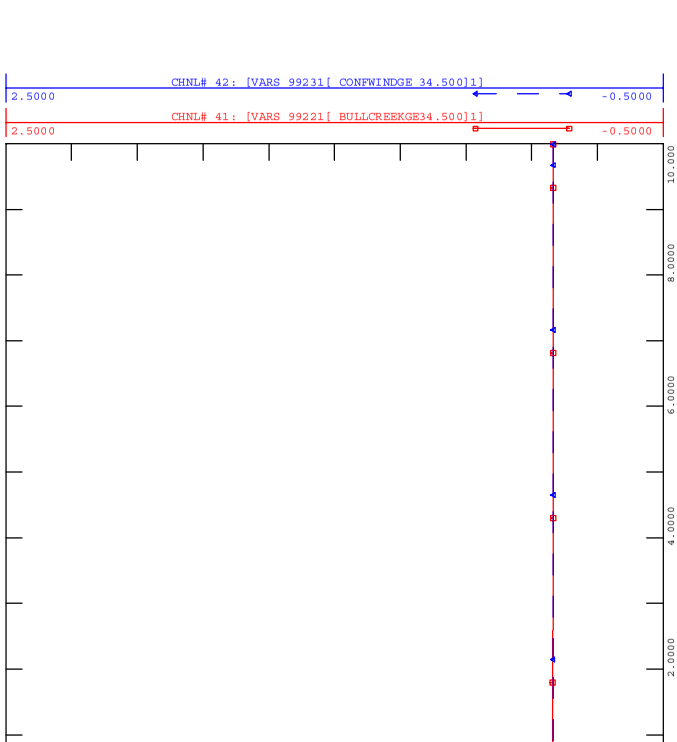


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE VARS

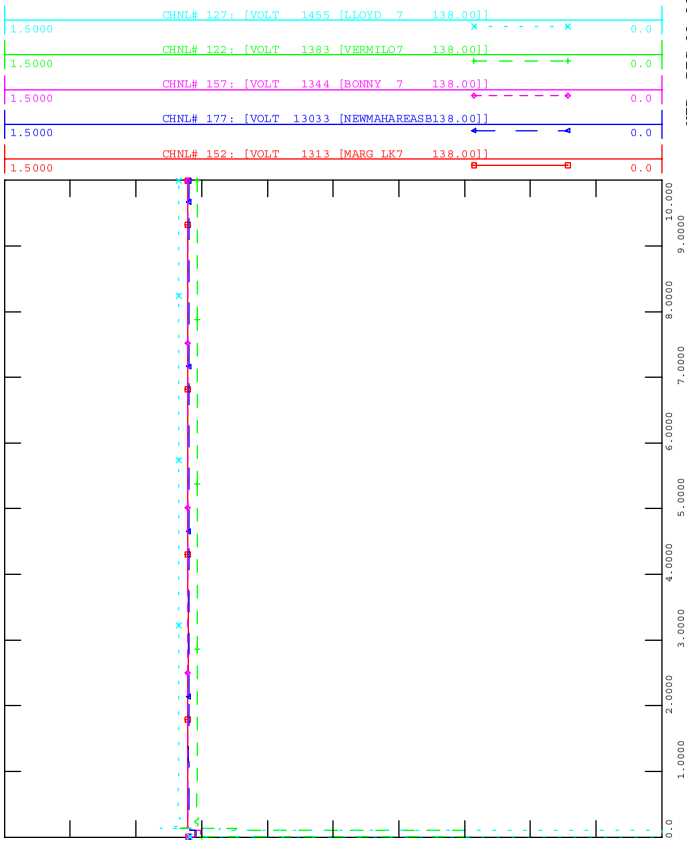


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

NORTH BUS VOLTAGES

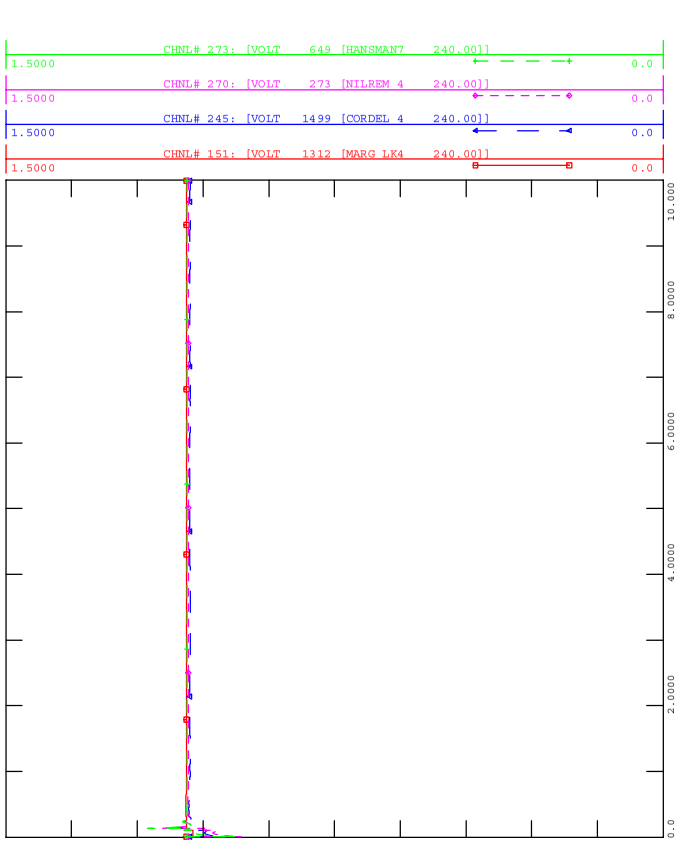


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

240 KV BUS VOLTAGES

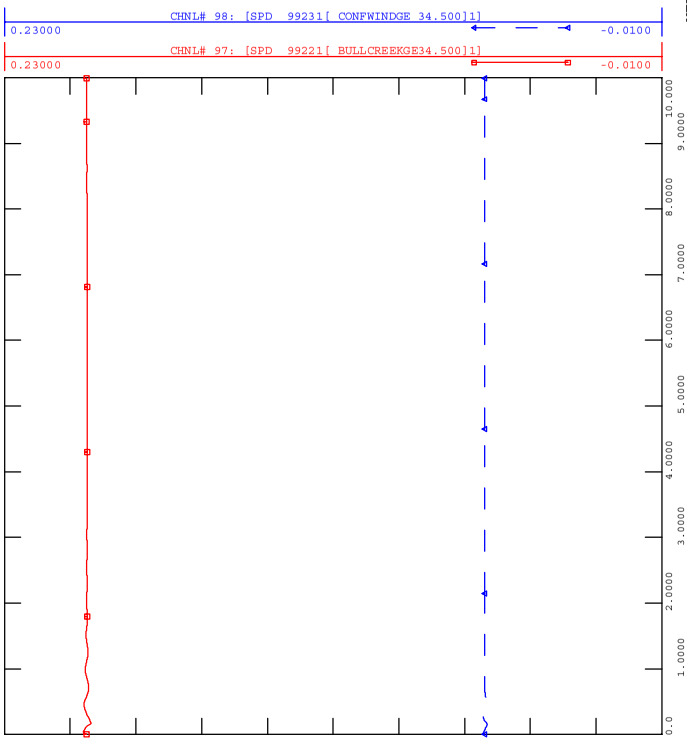


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

WIND MACHINE SPEED

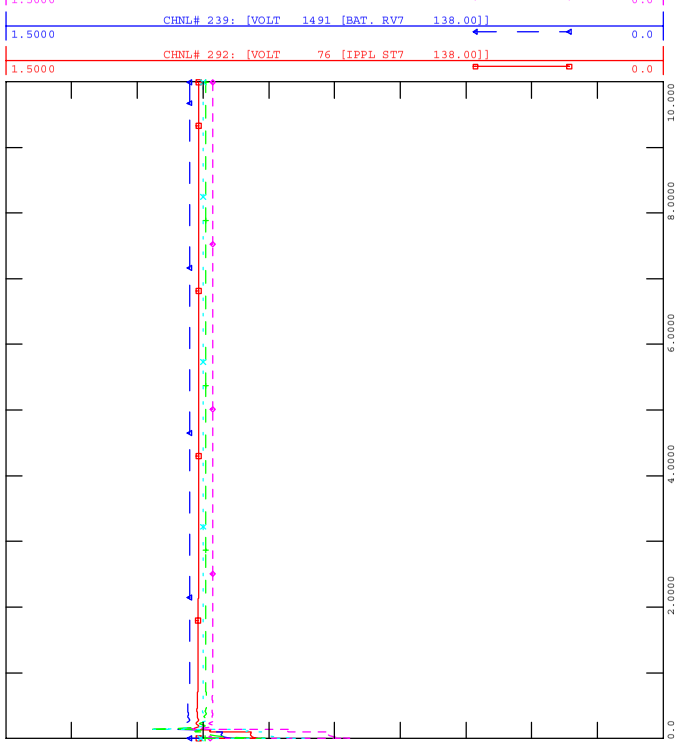


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

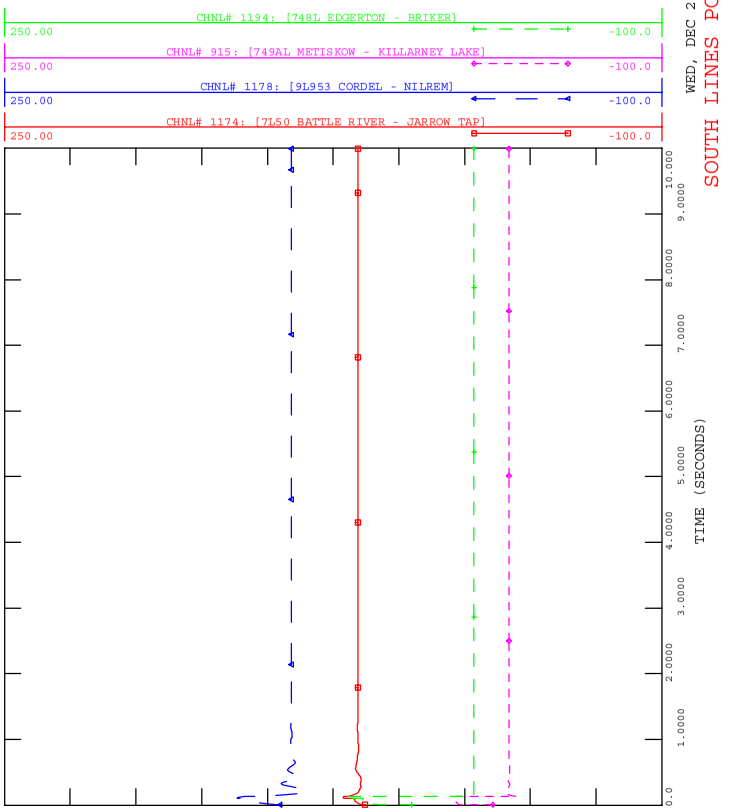
WED, DEC 23 2009 14:04

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

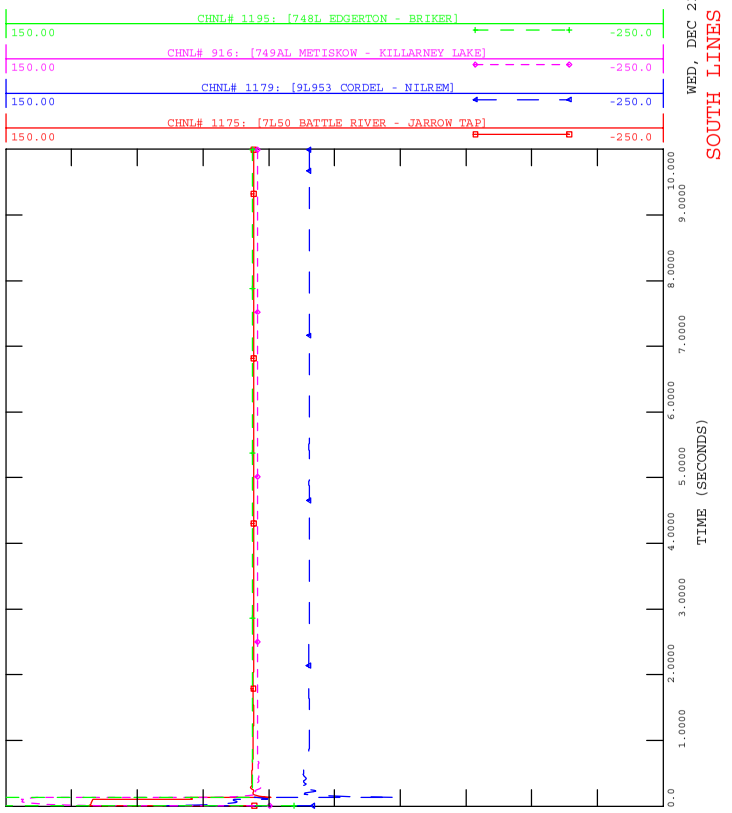


WED, DEC 23 2009 14:04

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

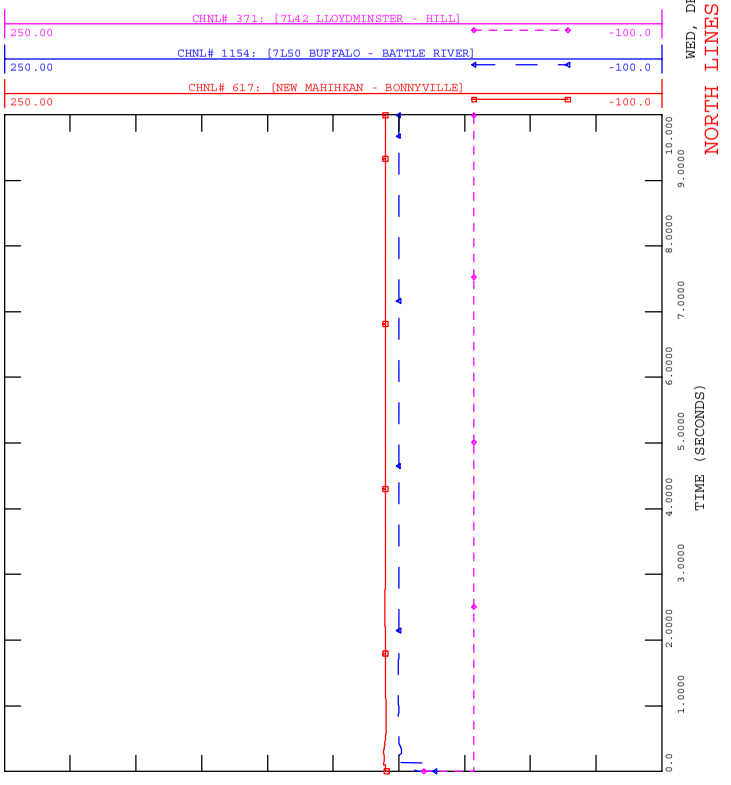


WED, DEC 23 2009 14:04

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

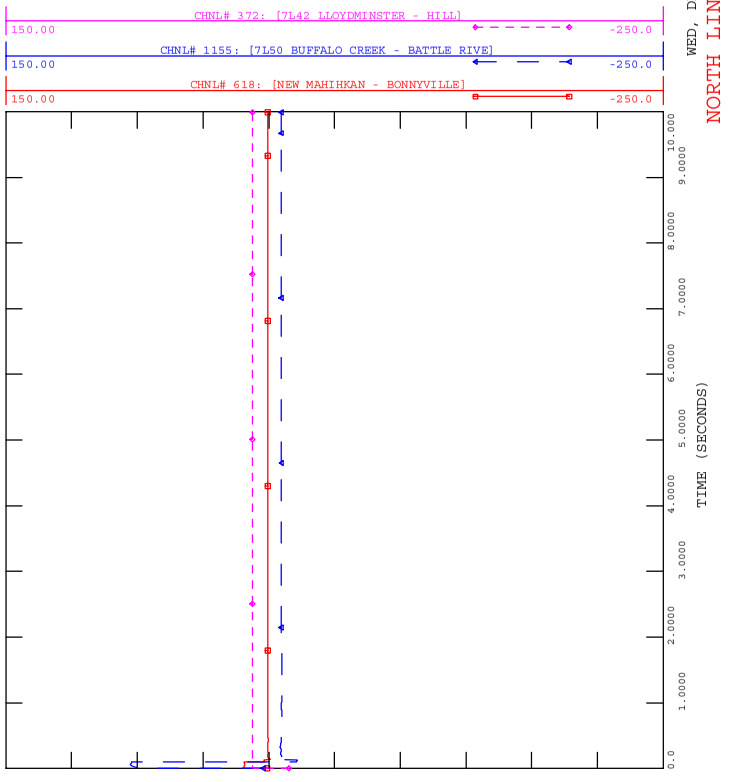


WED, DEC 23 2009 14:04

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out



WED, DEC 23 2009 14:04

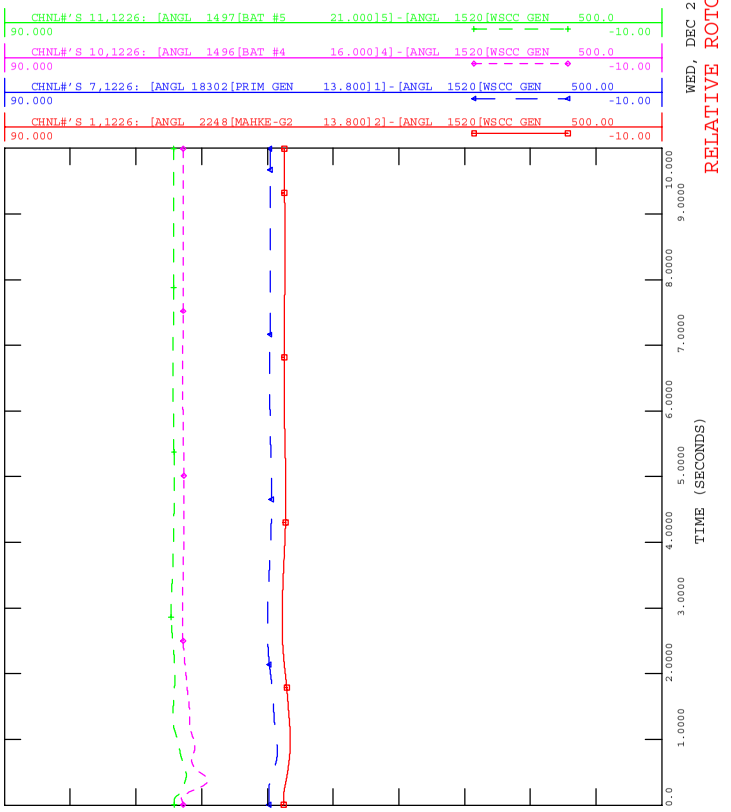
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

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RELATIVE ROTOR ANGLES

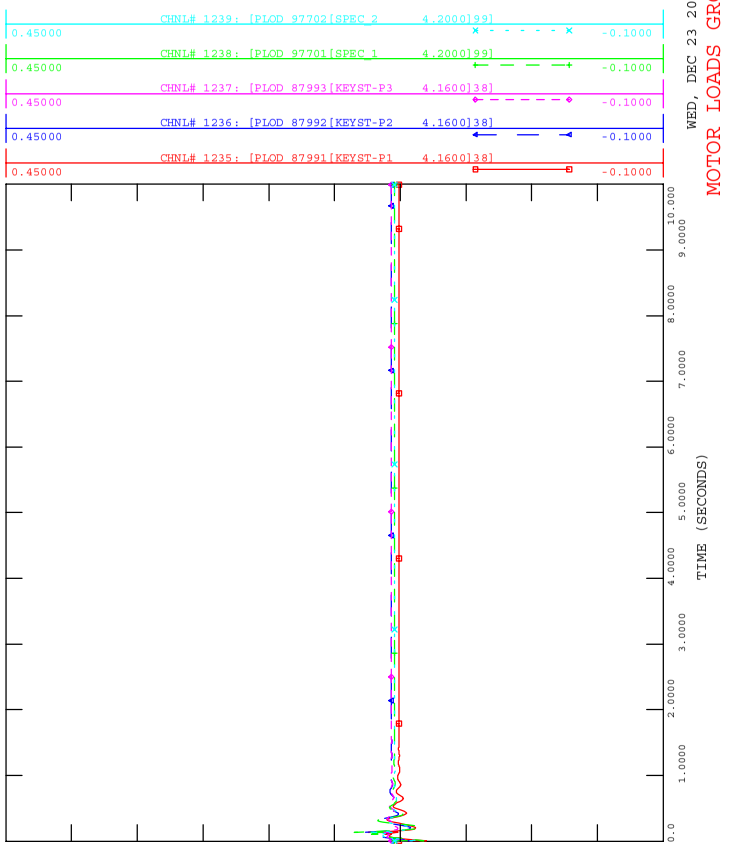


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP II

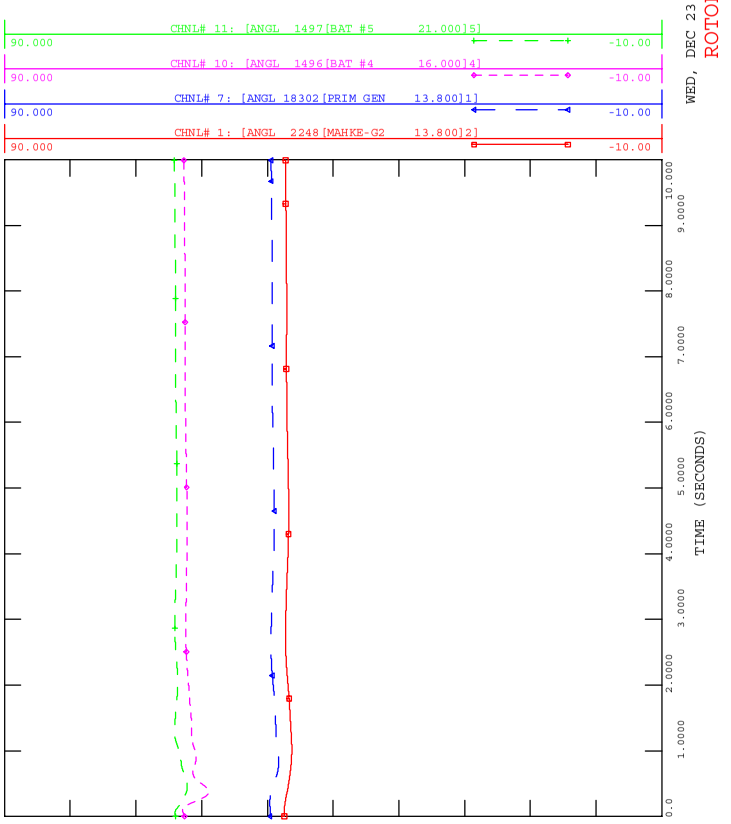


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:04

ROTOR ANGLES

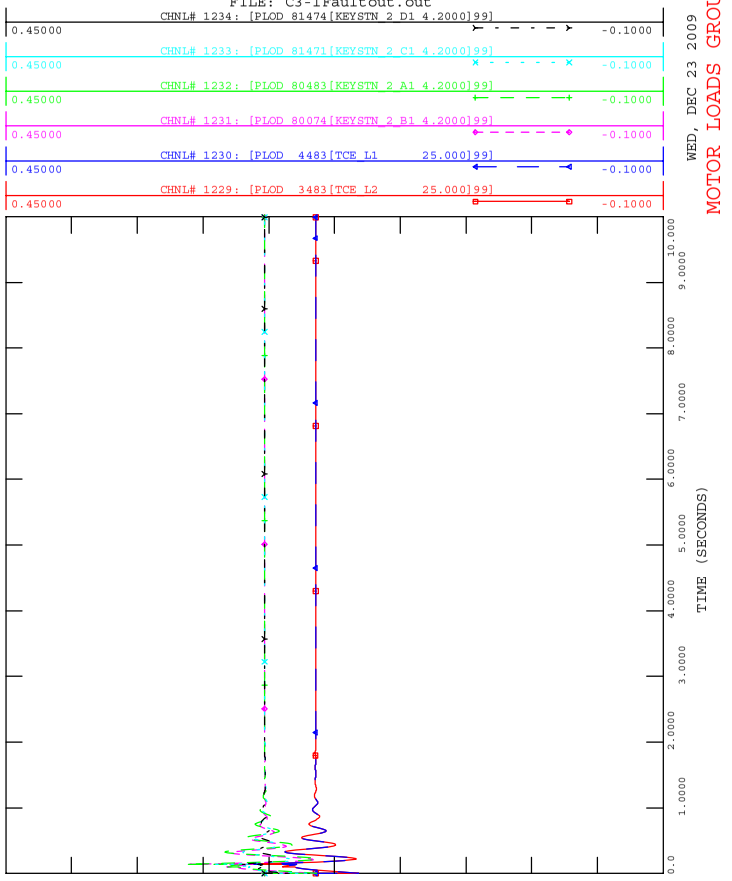


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-1Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP I

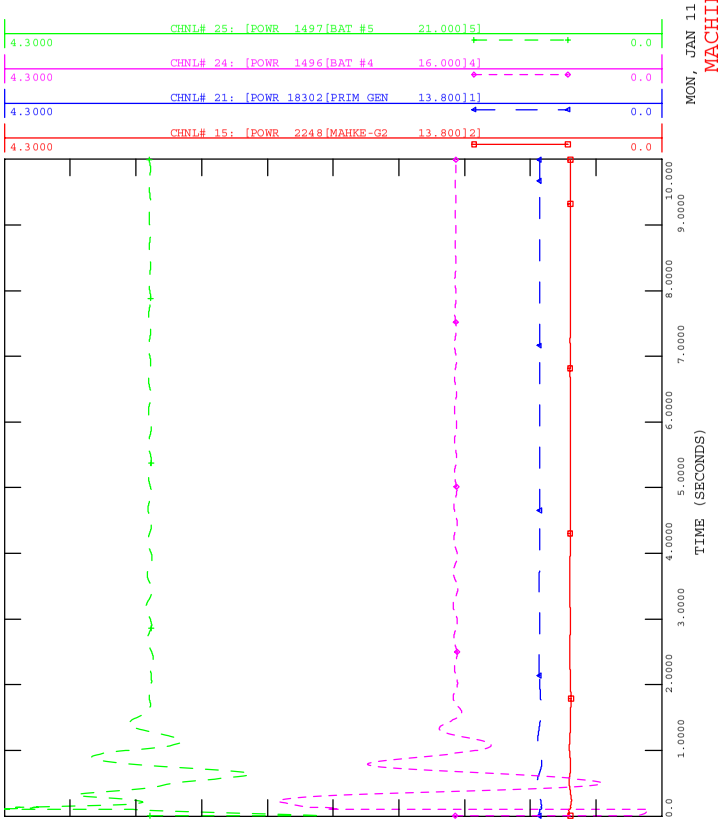


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

MACHINE POWER

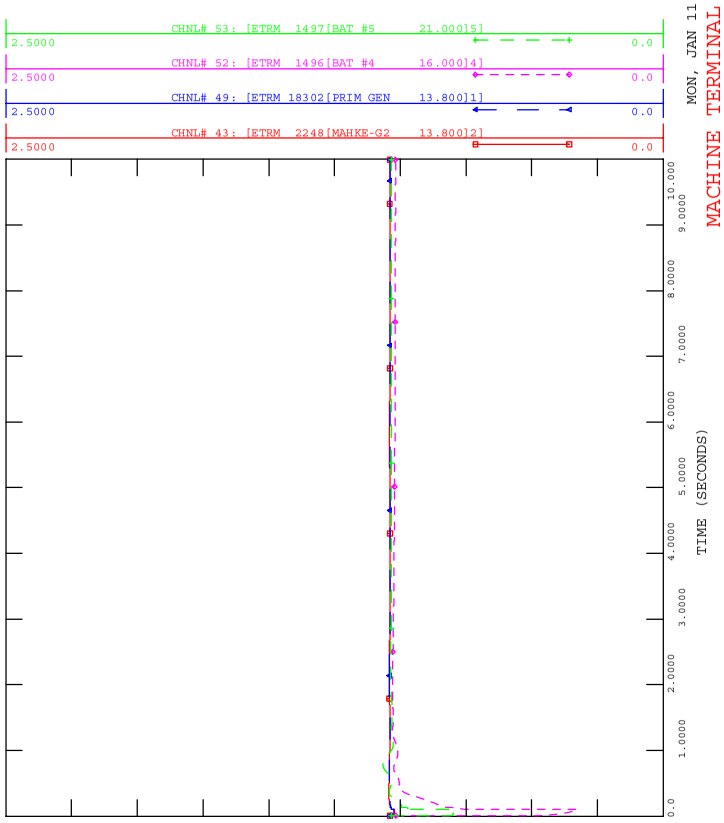


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

MACHINE TERMINAL VOLTAGE

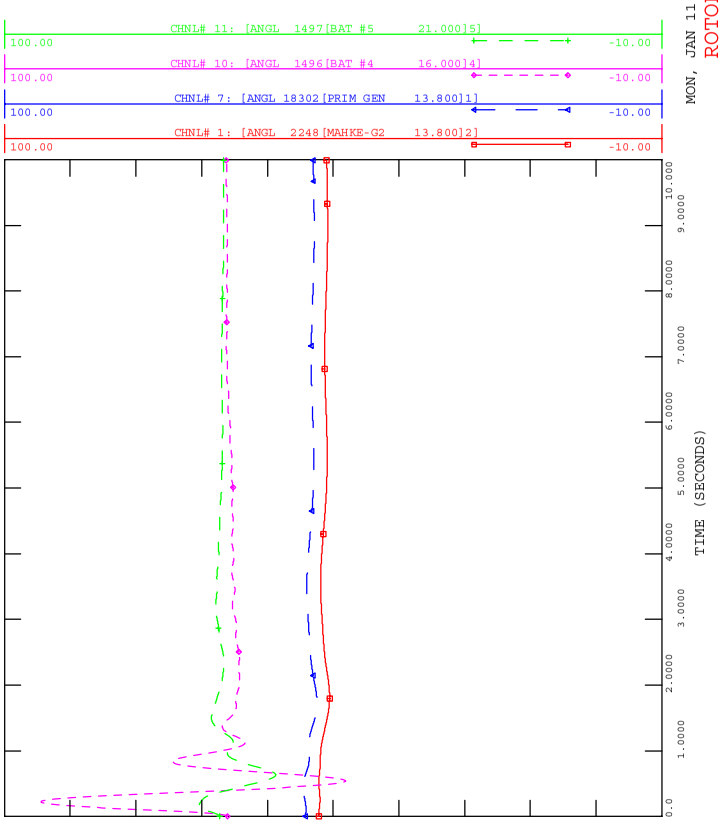


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

ROTOR ANGLES

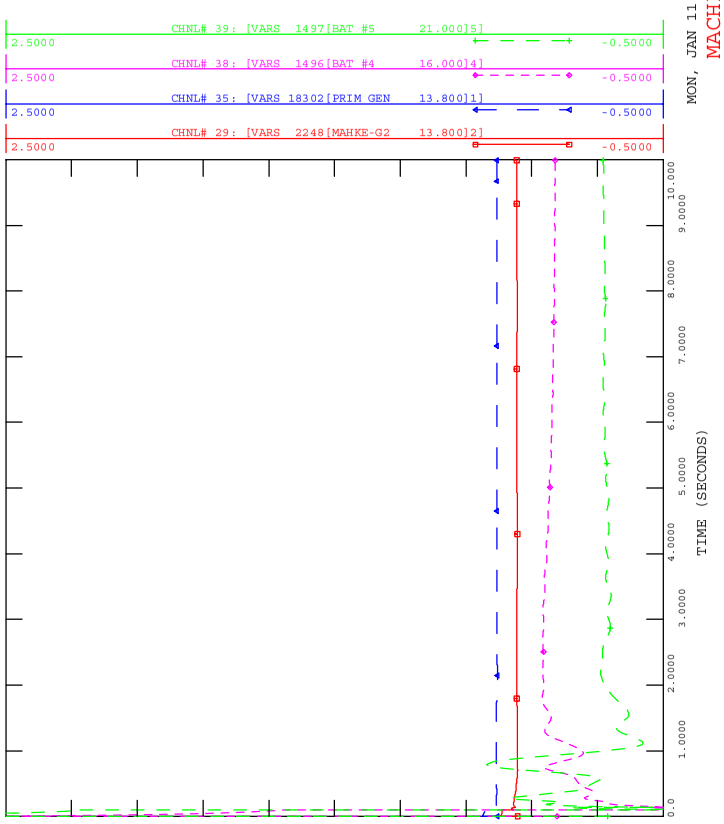


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

MACHINE VARS

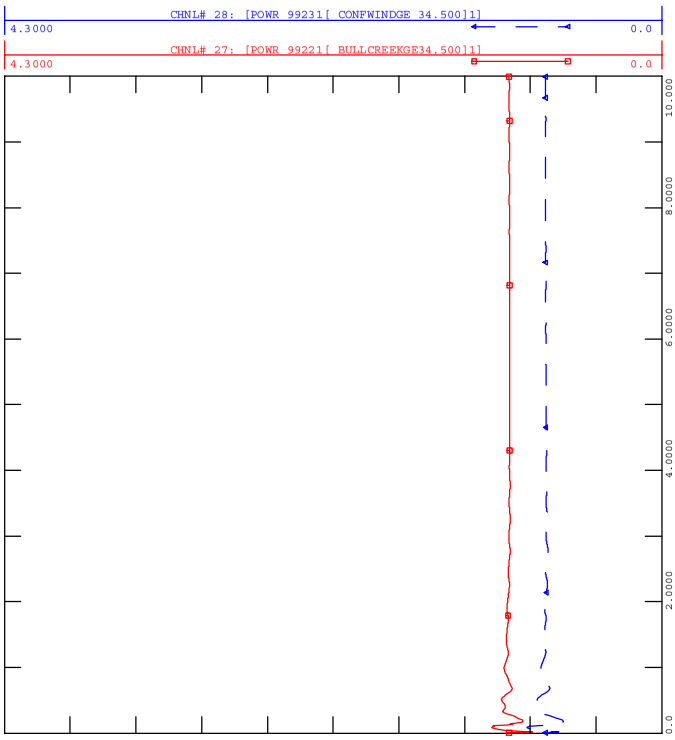


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

WIND MACHINE POWER

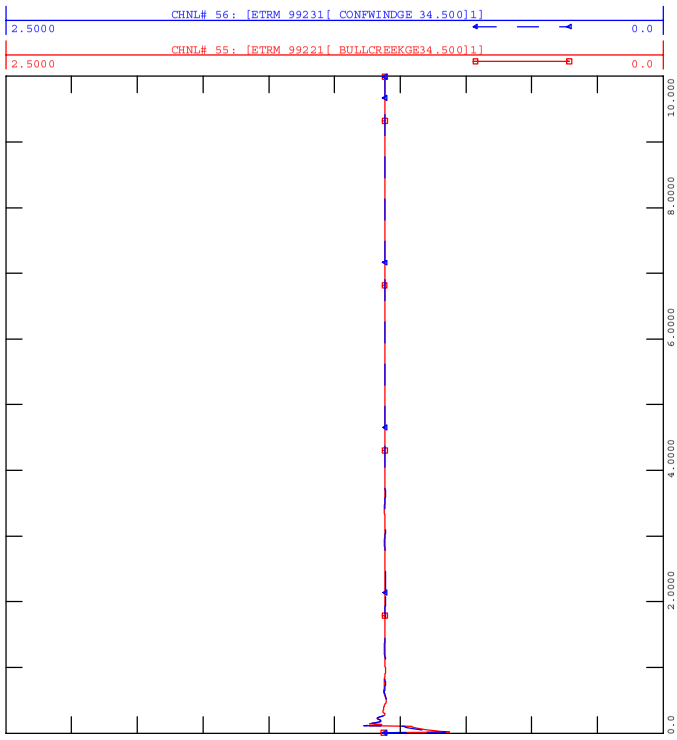


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

WIND MACH. TERMINAL VOLTS

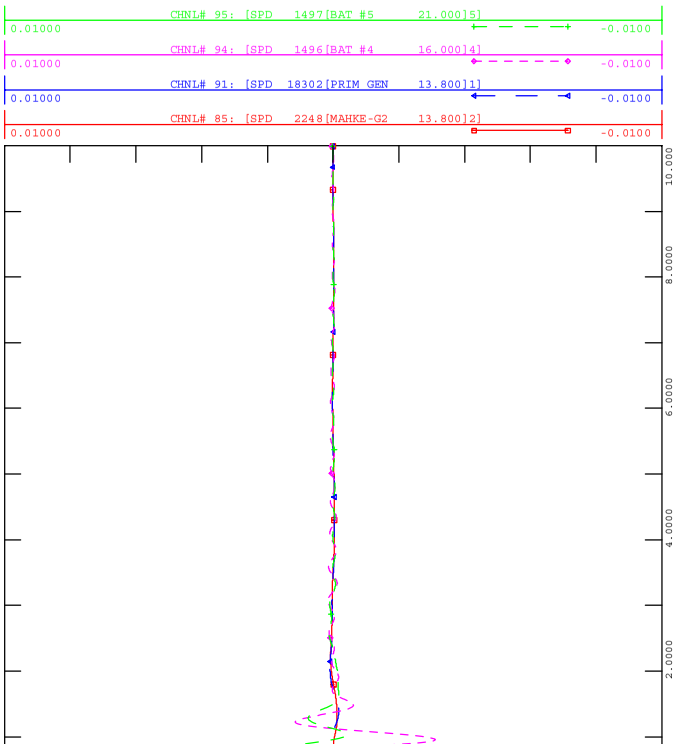


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

MACHINE SPEED

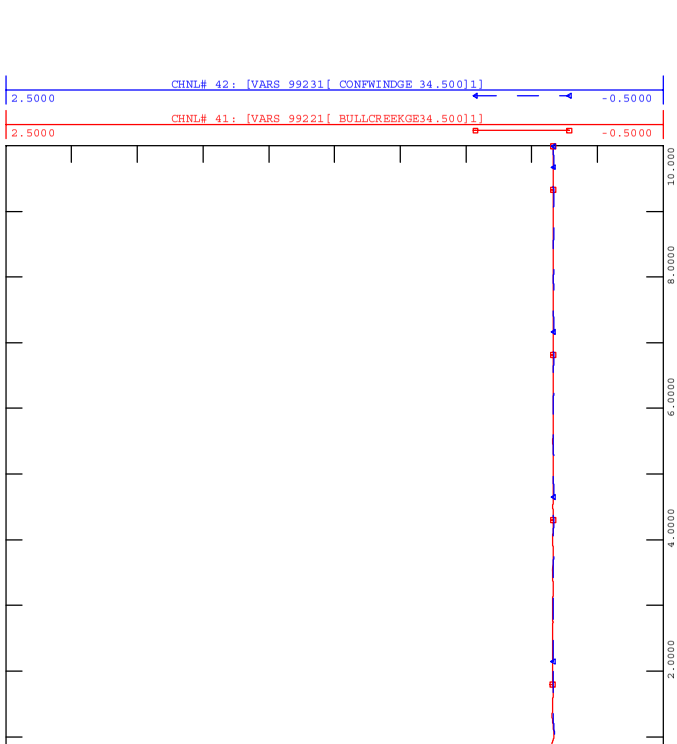


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

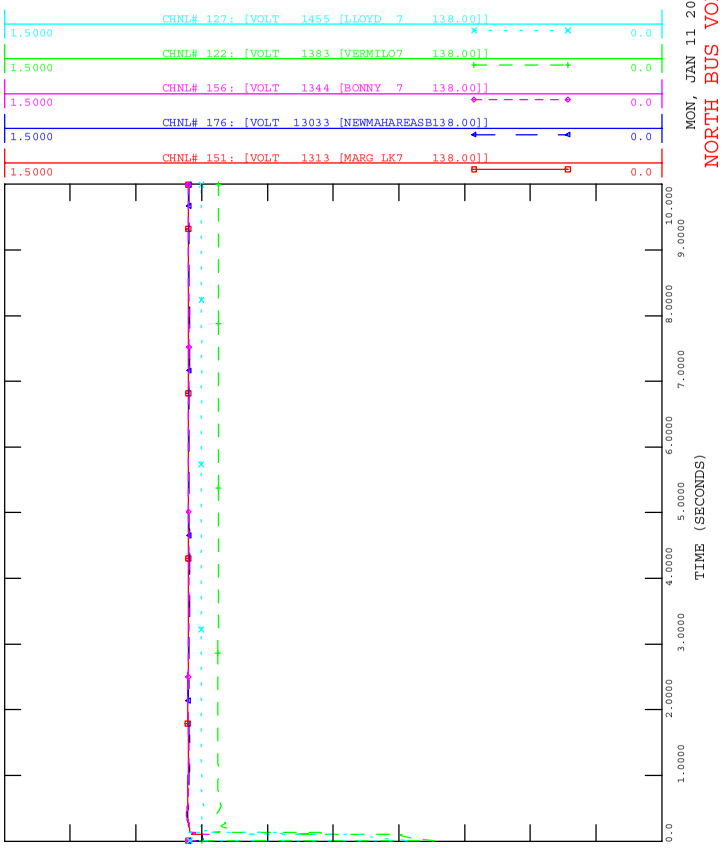
MON, JAN 11 2010 15:28

WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

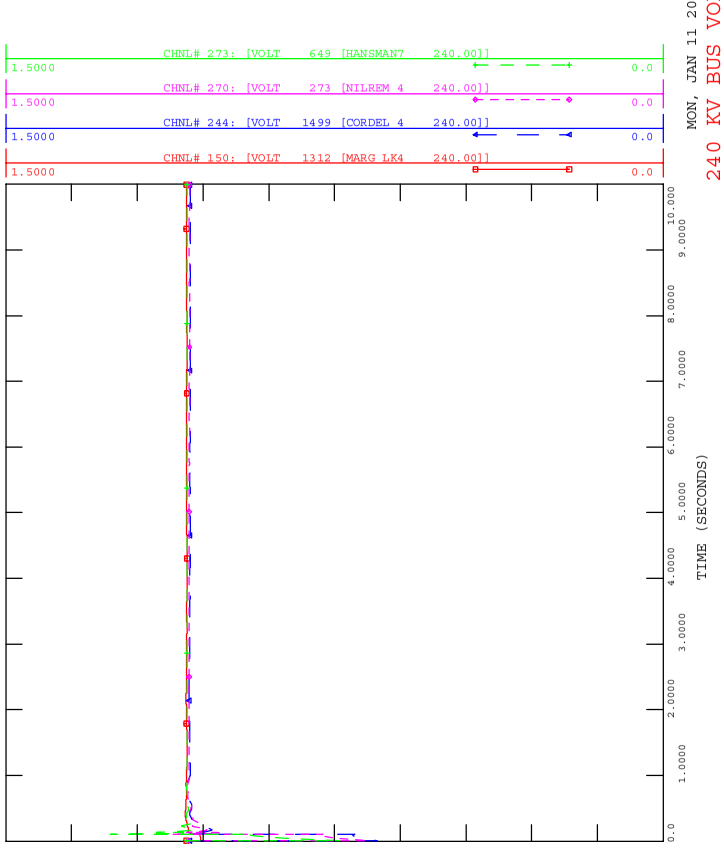


MON, JAN 11 2010 15:28

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

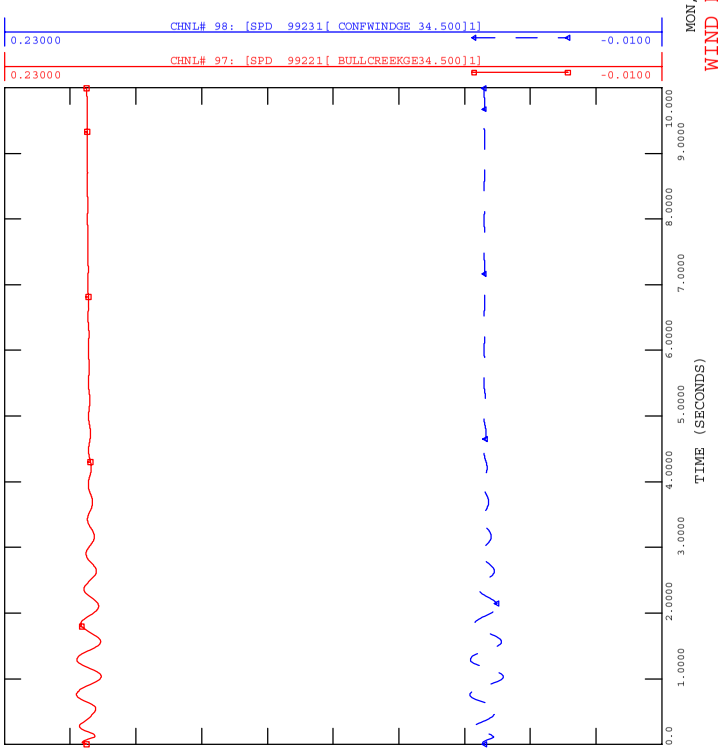


MON, JAN 11 2010 15:28

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

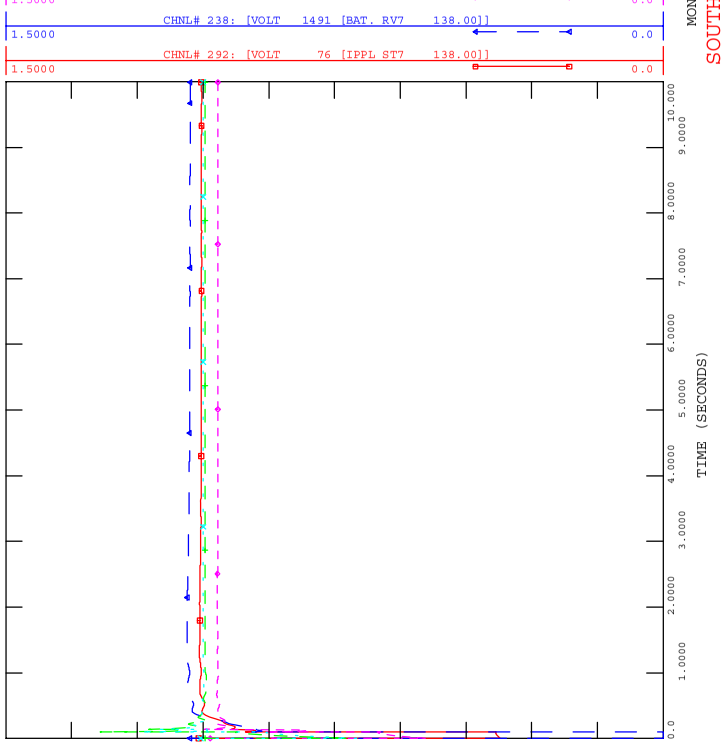


MON, JAN 11 2010 15:28

WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

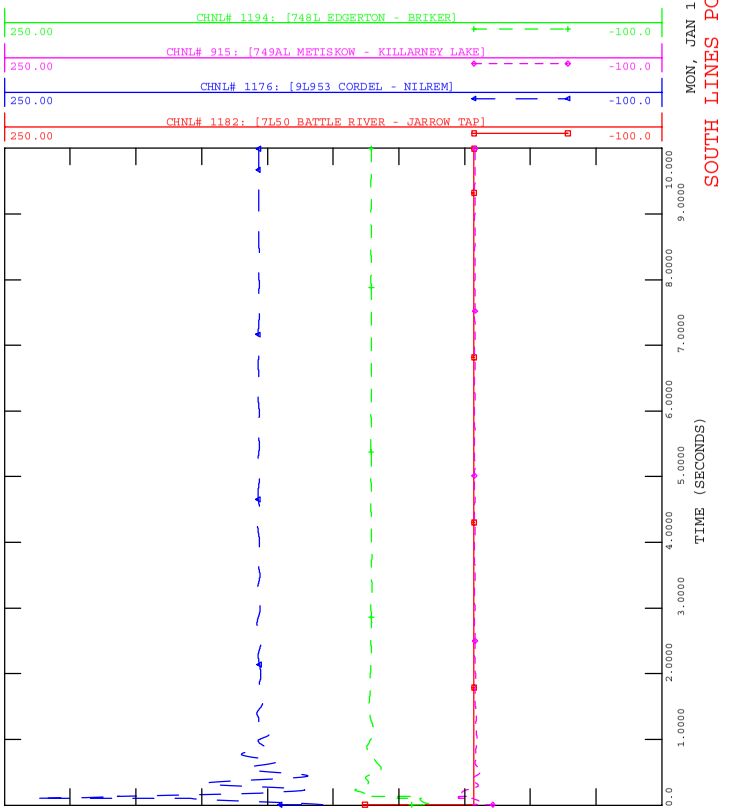


MON, JAN 11 2010 15:28

SOUTH BUS VOLTAGES

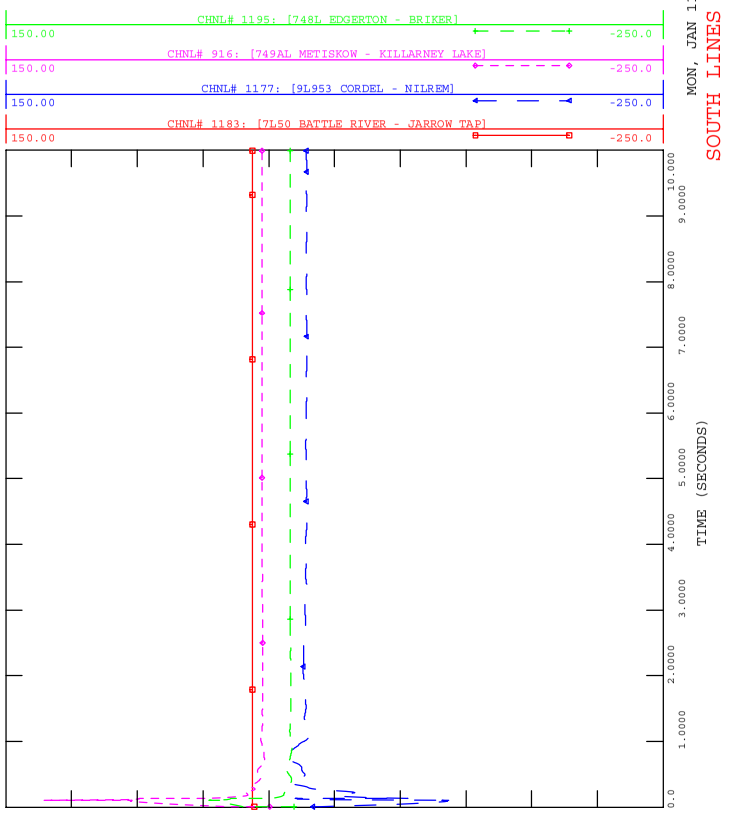
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out



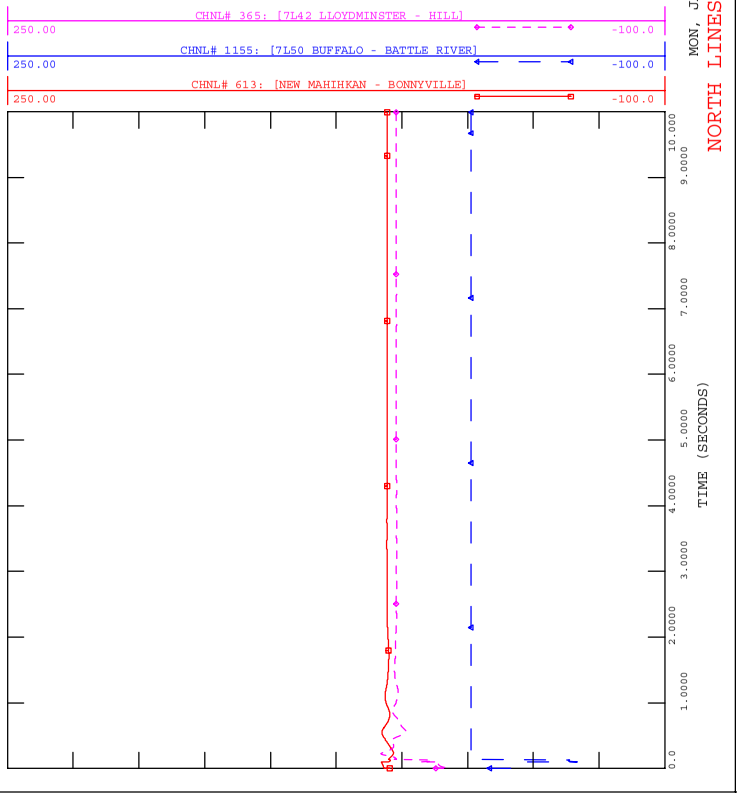
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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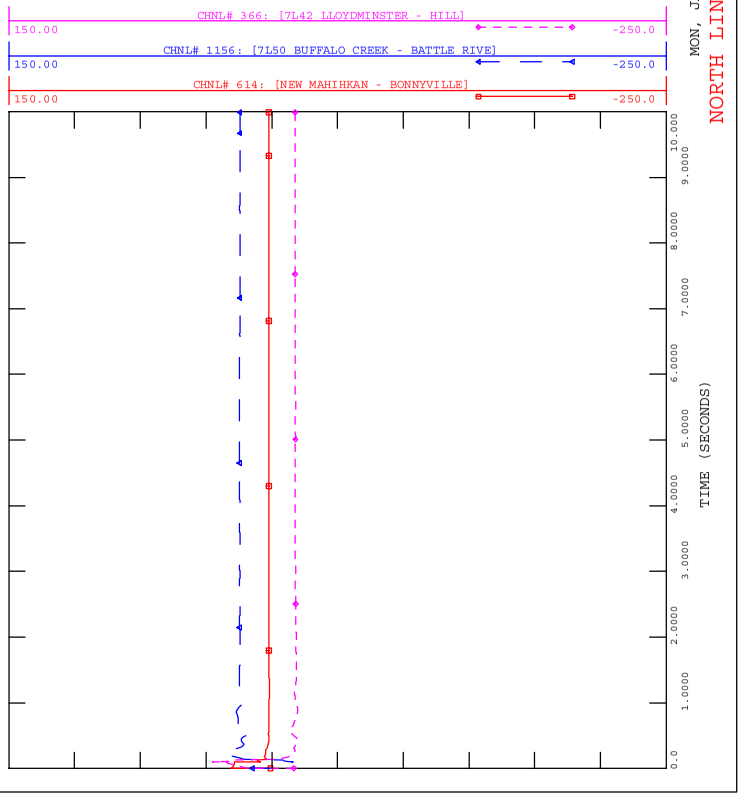
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

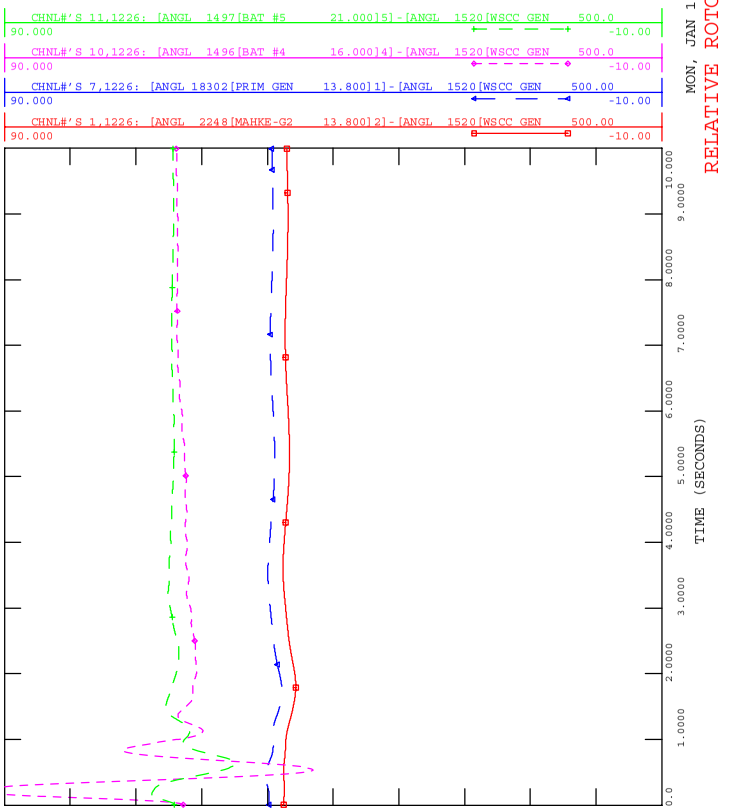


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

RELATIVE ROTOR ANGLES

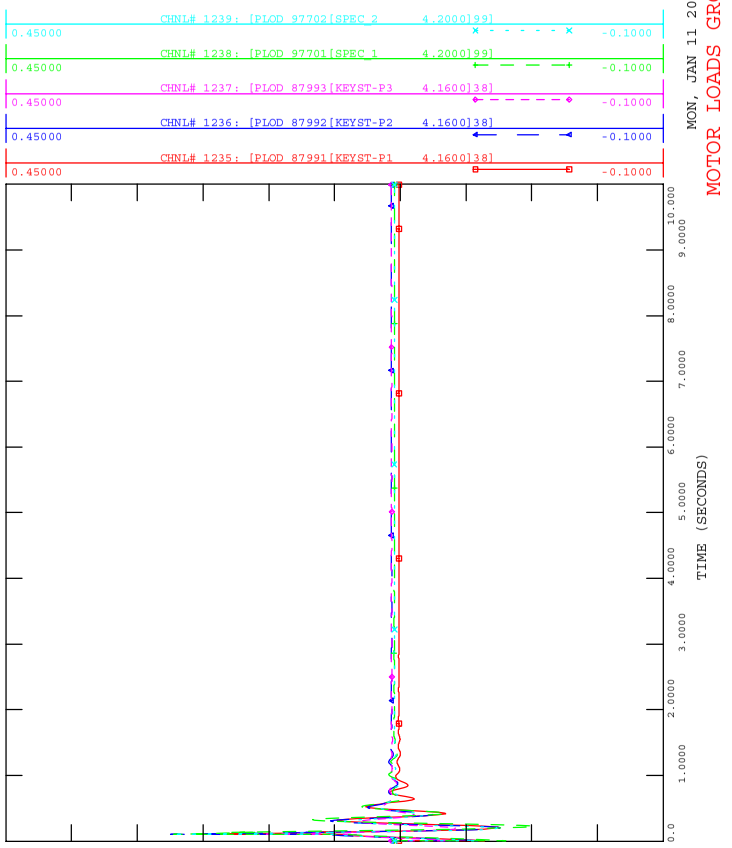


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

MOTOR LOADS GROUP II

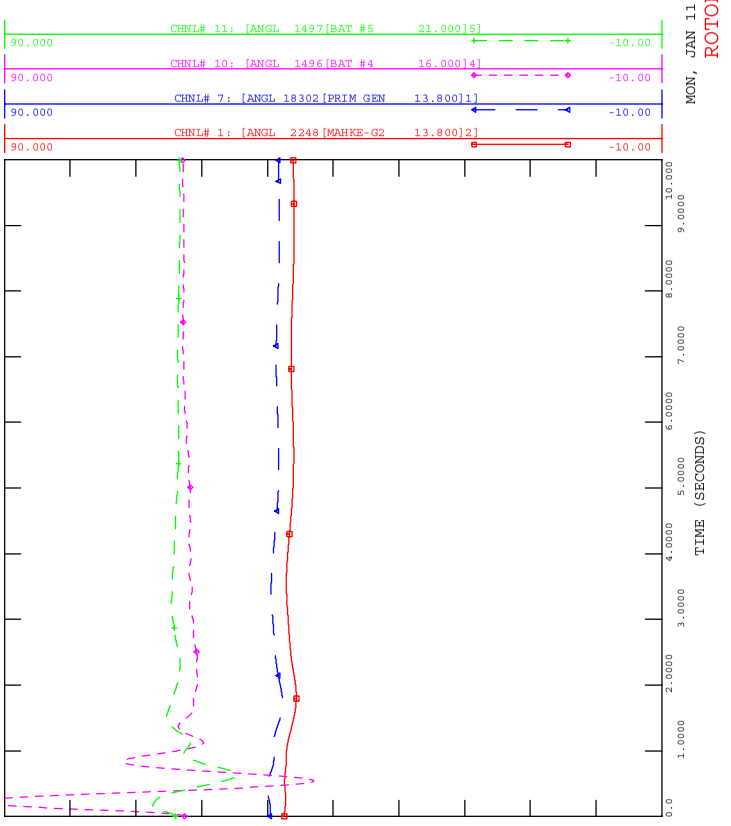


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

ROTOR ANGLES

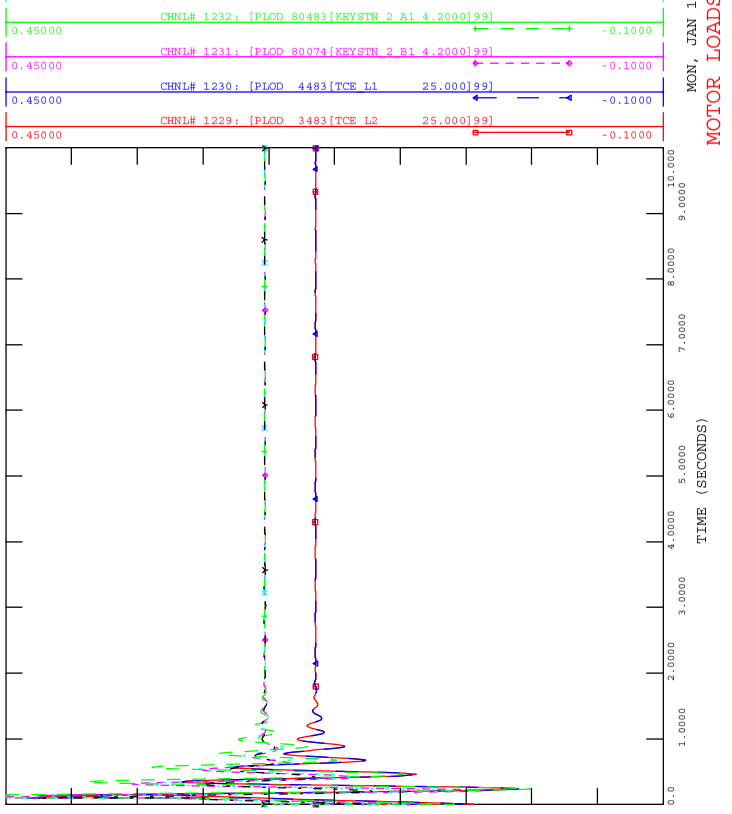


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-2Faultout.out

MON, JAN 11 2010 15:28

MOTOR LOADS GROUP I

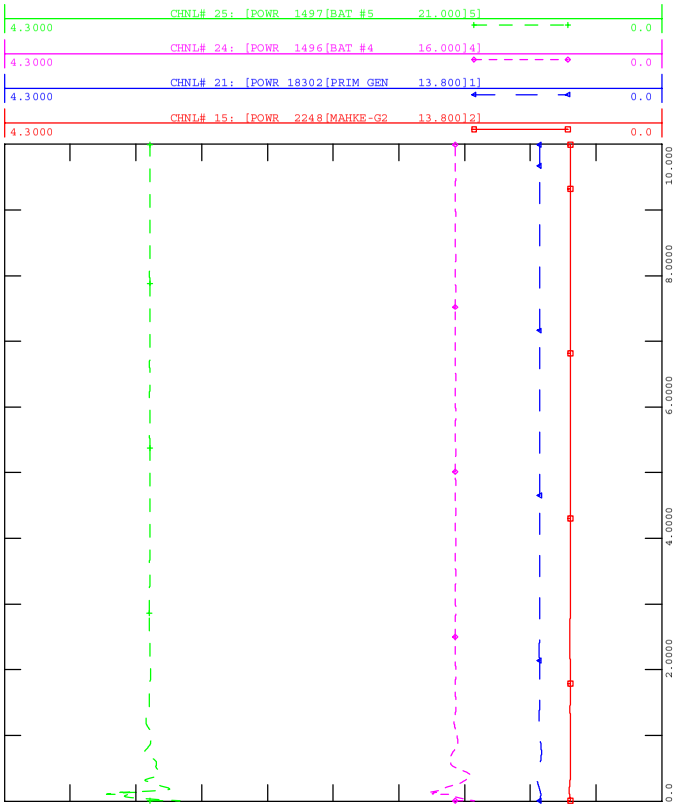


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

MACHINE POWER

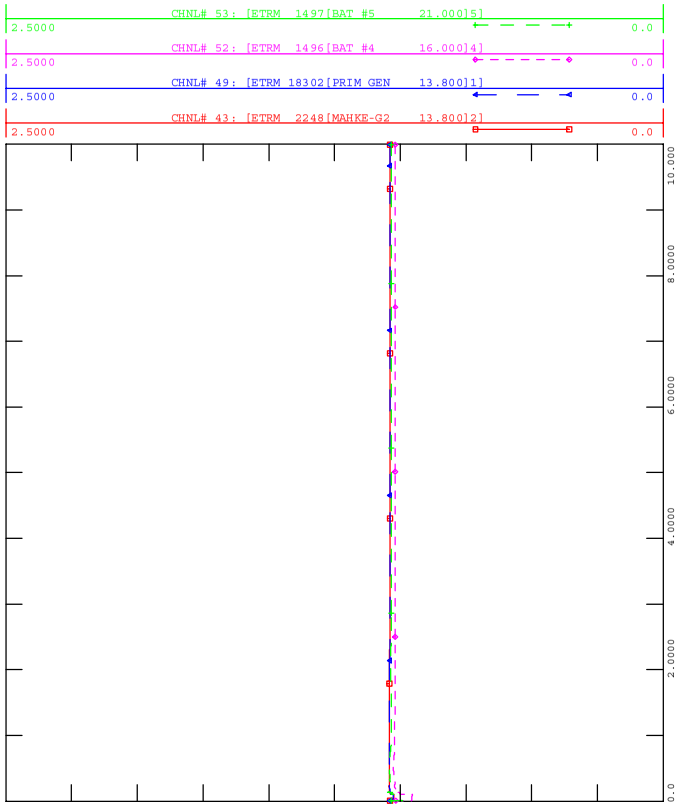


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

MACHINE TERMINAL VOLTAGE

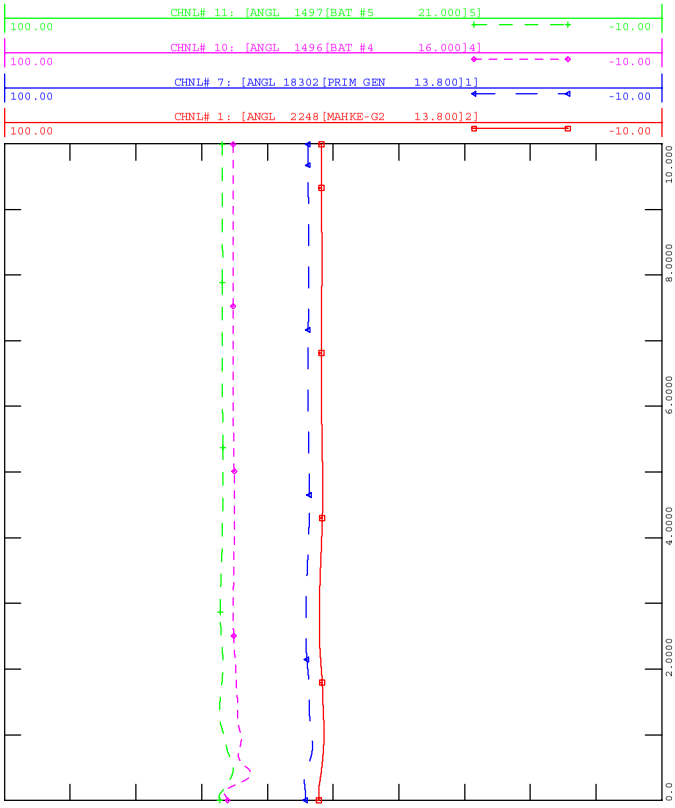


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

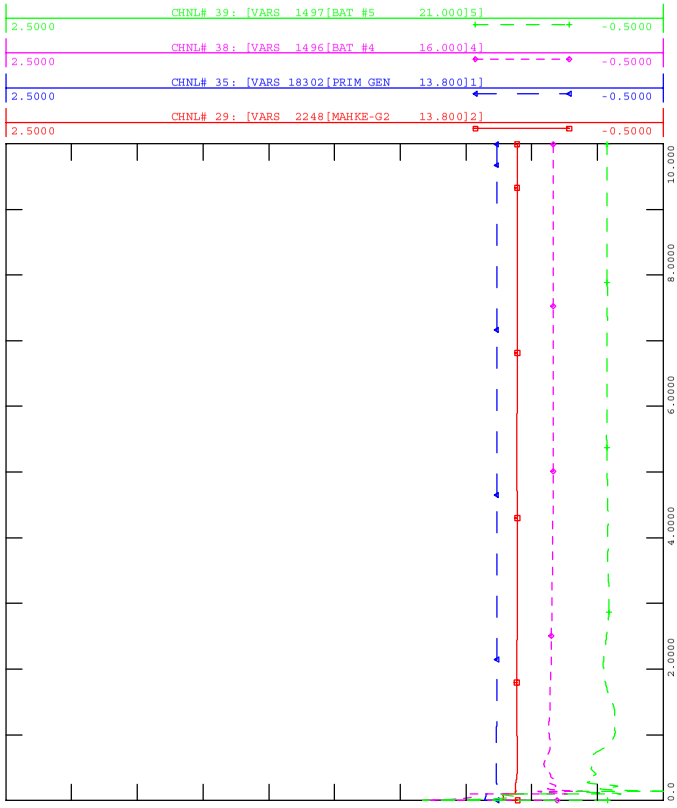


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

MACHINE VARS

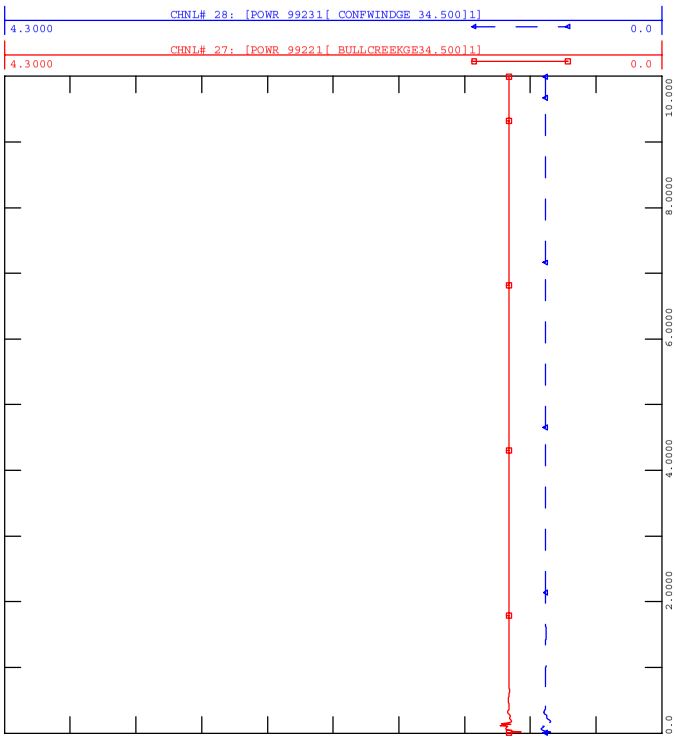


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE POWER

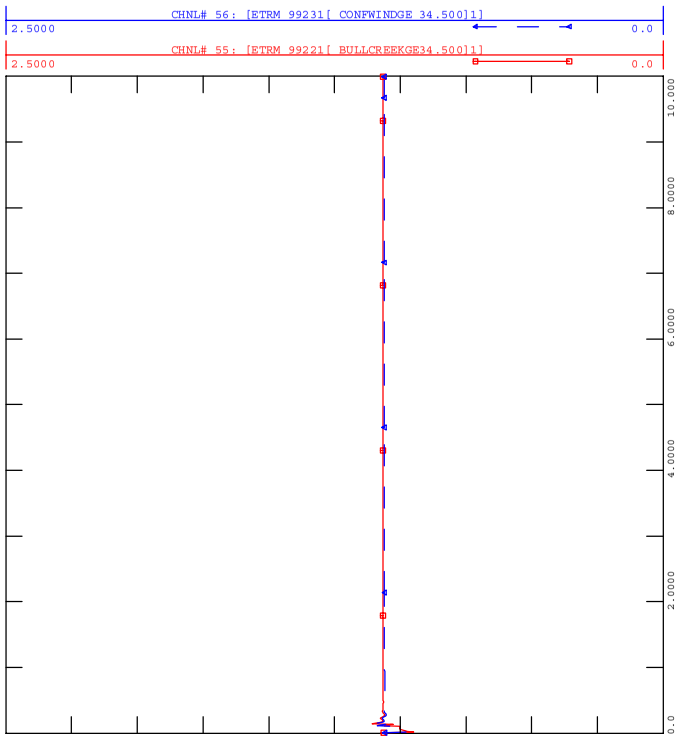


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

WIND MACH. TERMINAL VOLTS

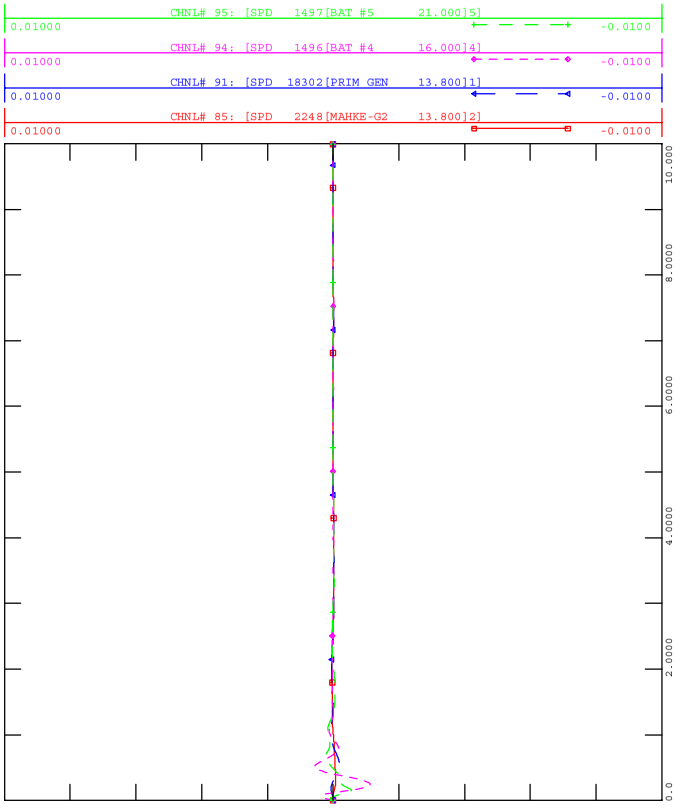


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

MACHINE SPEED

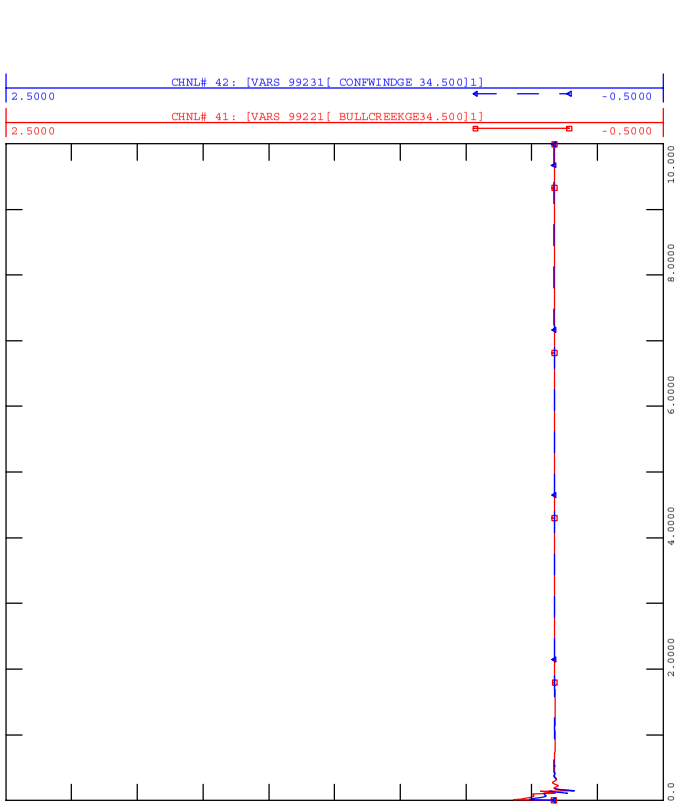


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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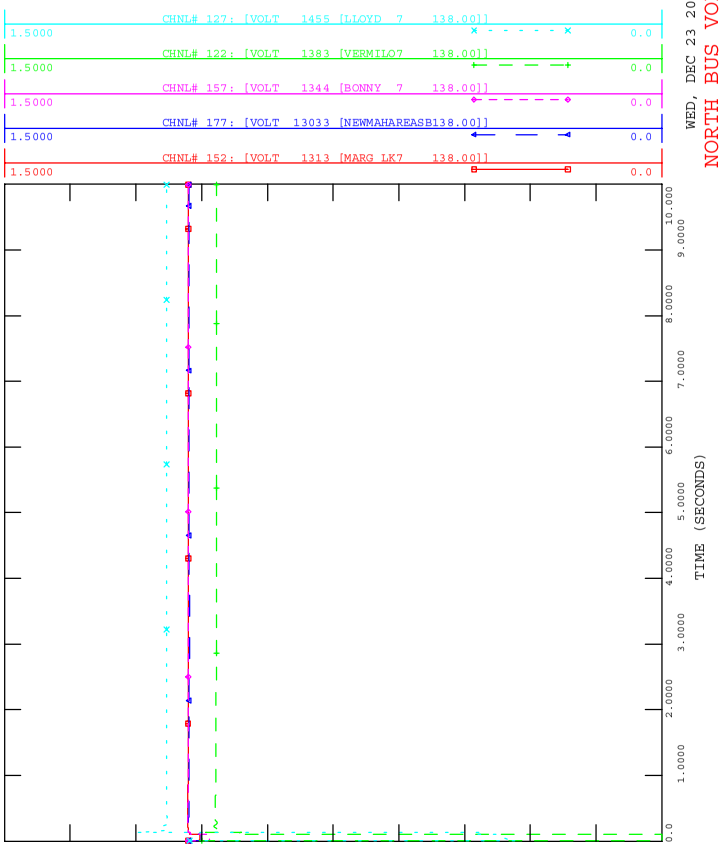
WED, DEC 23 2009 14:05

WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

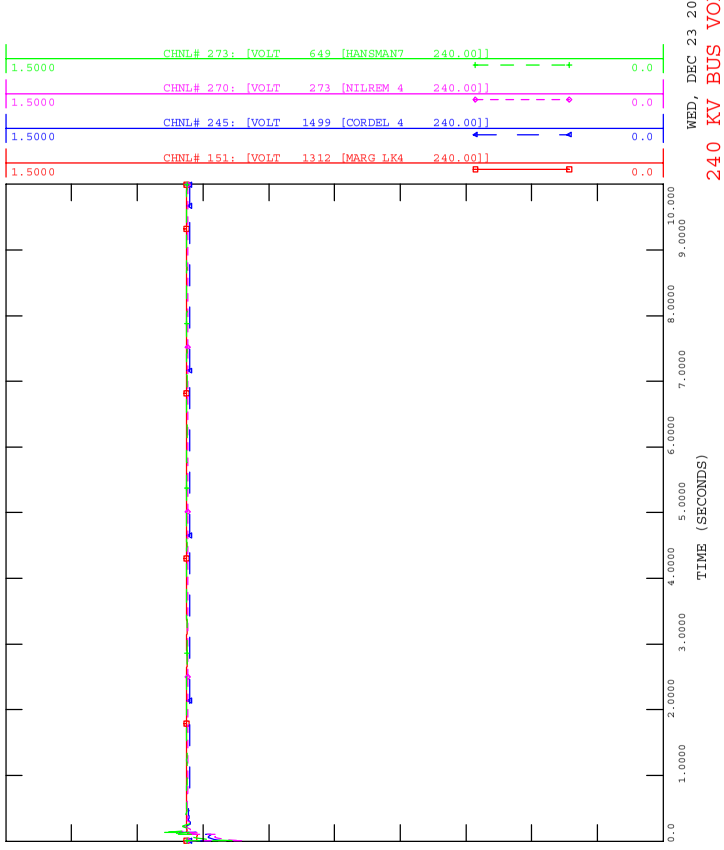


WED, DEC 23 2009 14:05

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

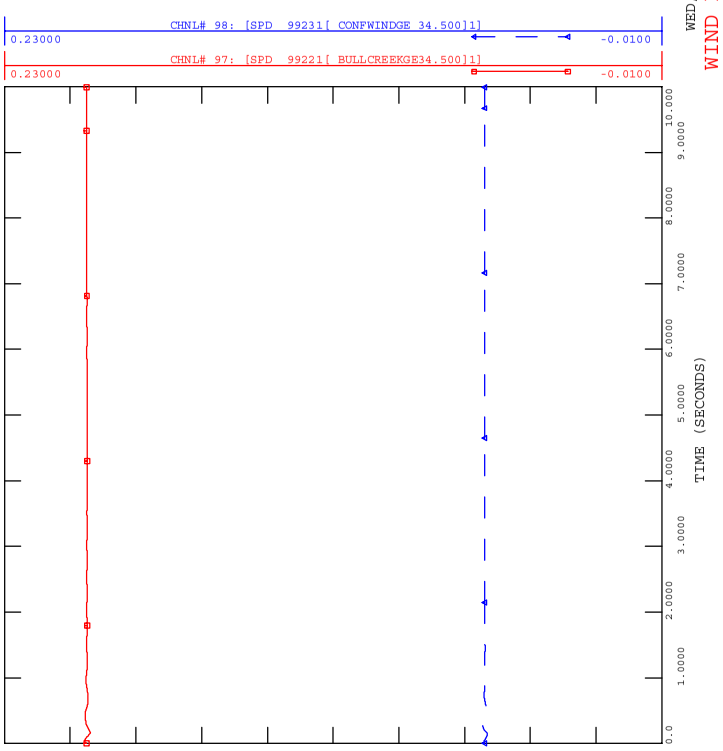


WED, DEC 23 2009 14:05

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

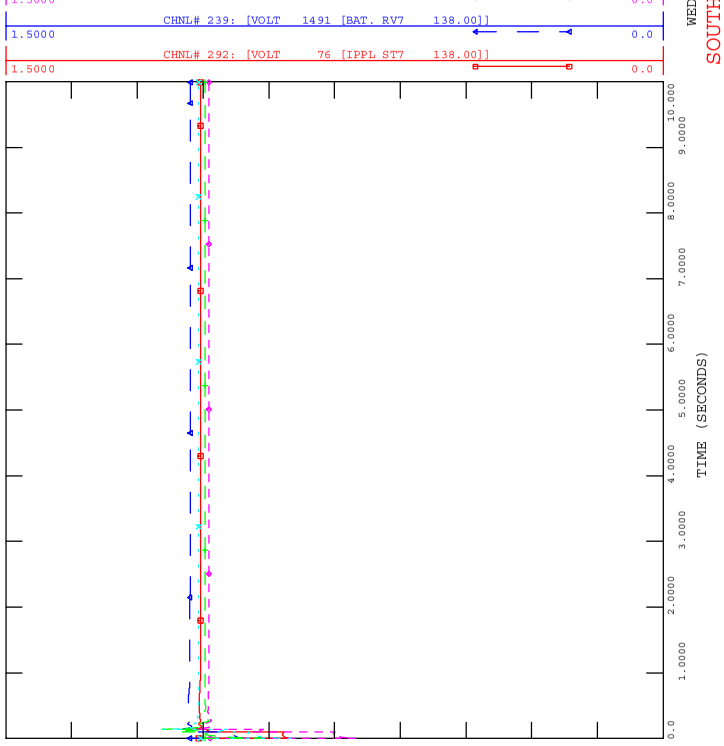


WED, DEC 23 2009 14:05

WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out



WED, DEC 23 2009 14:05

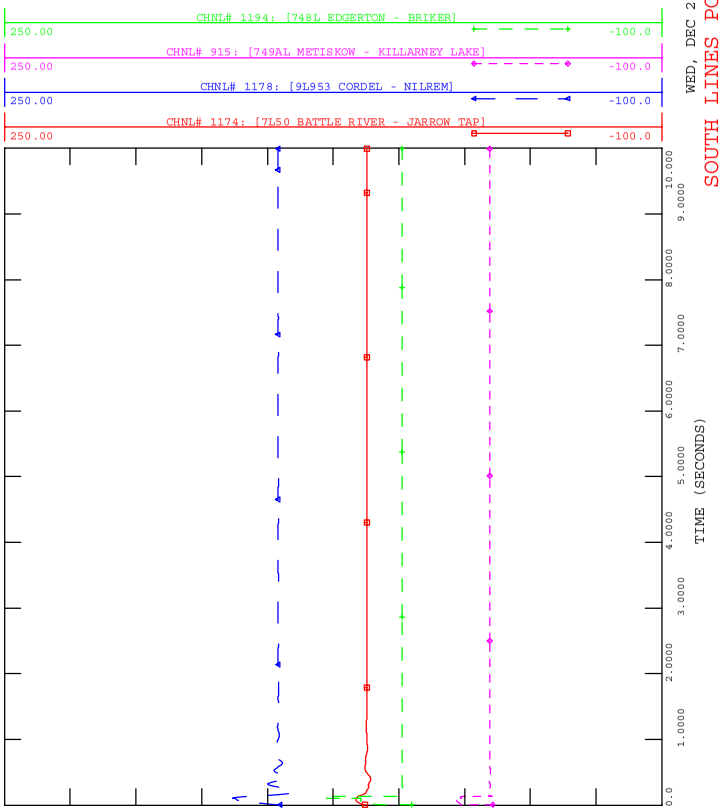
SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

SOUTH LINES POWER FLOW

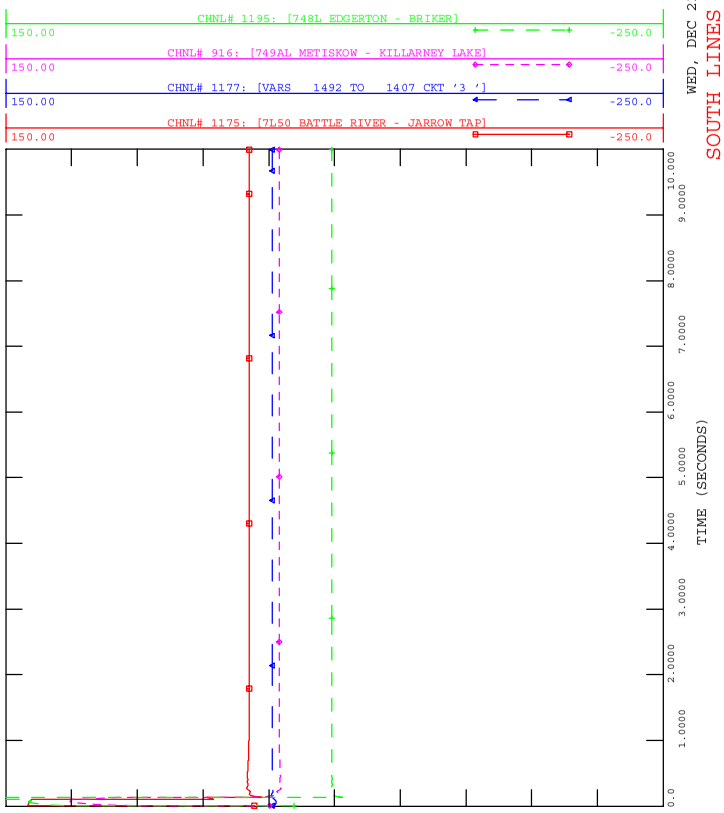


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

SOUTH LINES VAR FLOW

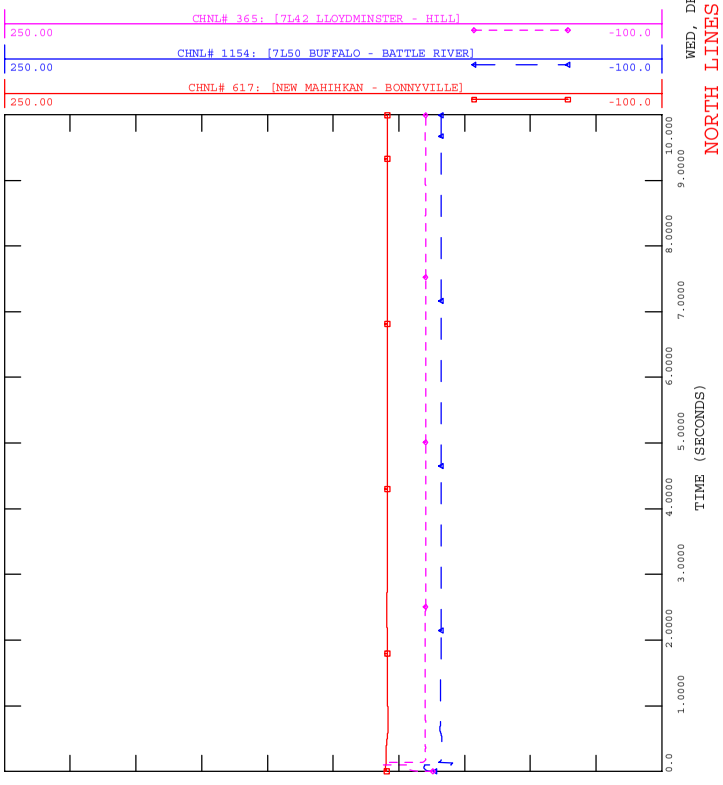


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

NORTH LINES POWER FLOW

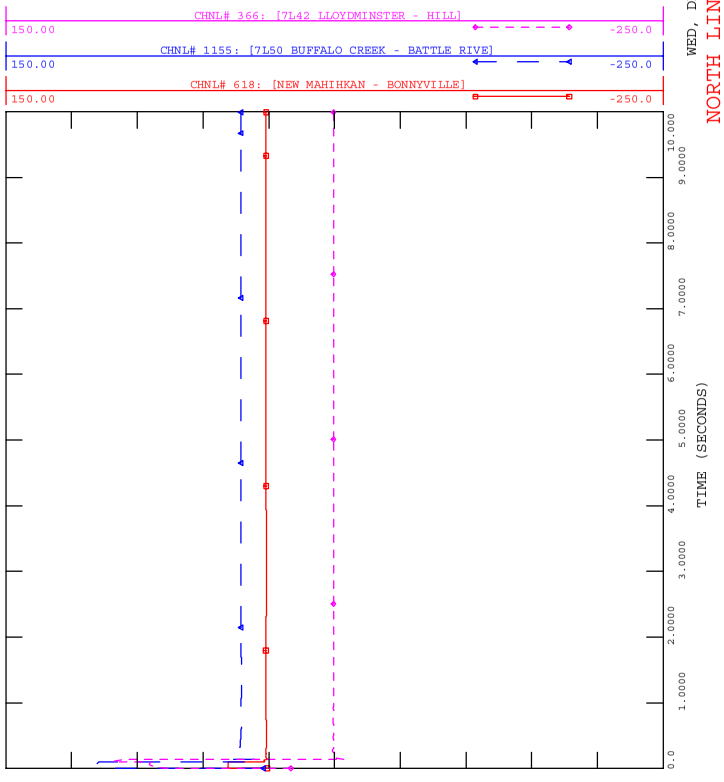


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

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NORTH LINES VAR FLOW

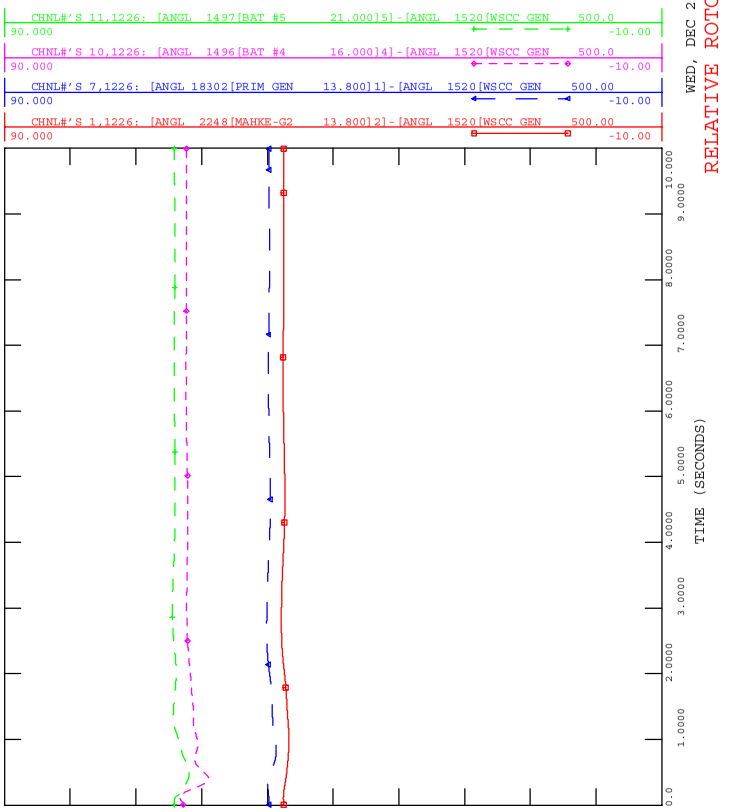


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

RELATIVE ROTOR ANGLES

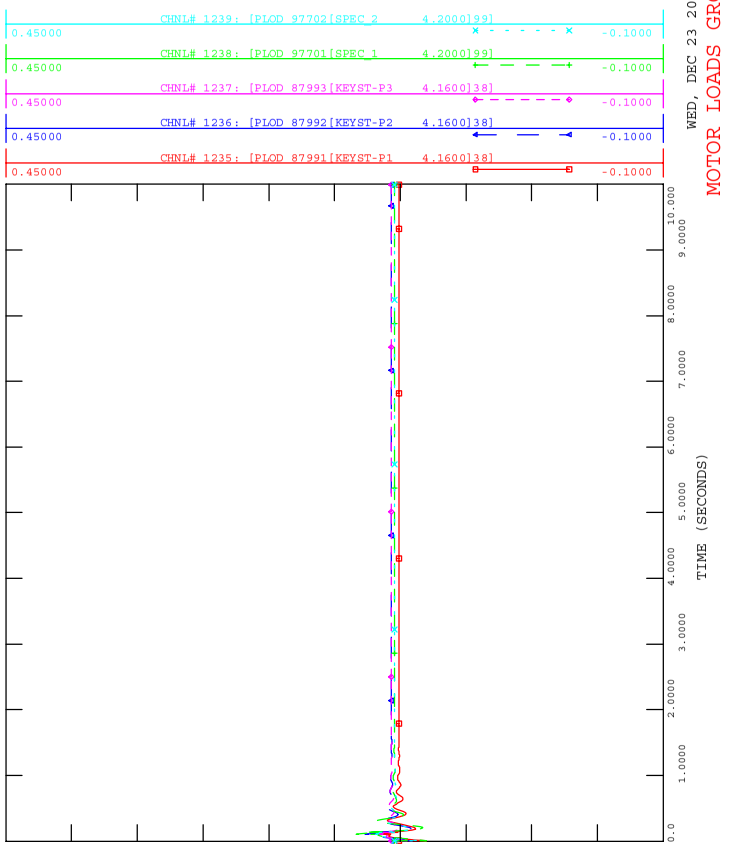


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP II

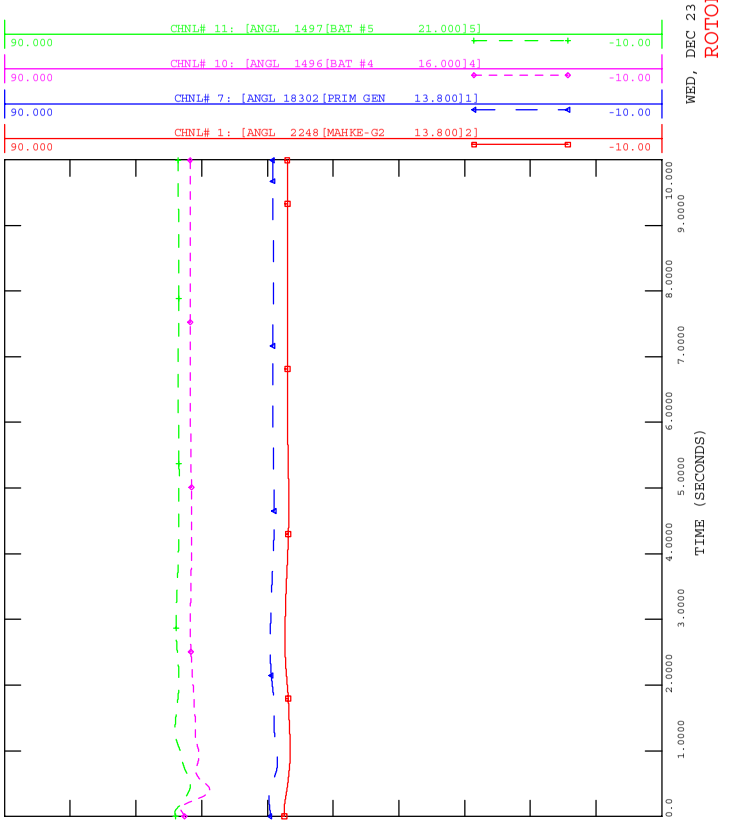


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

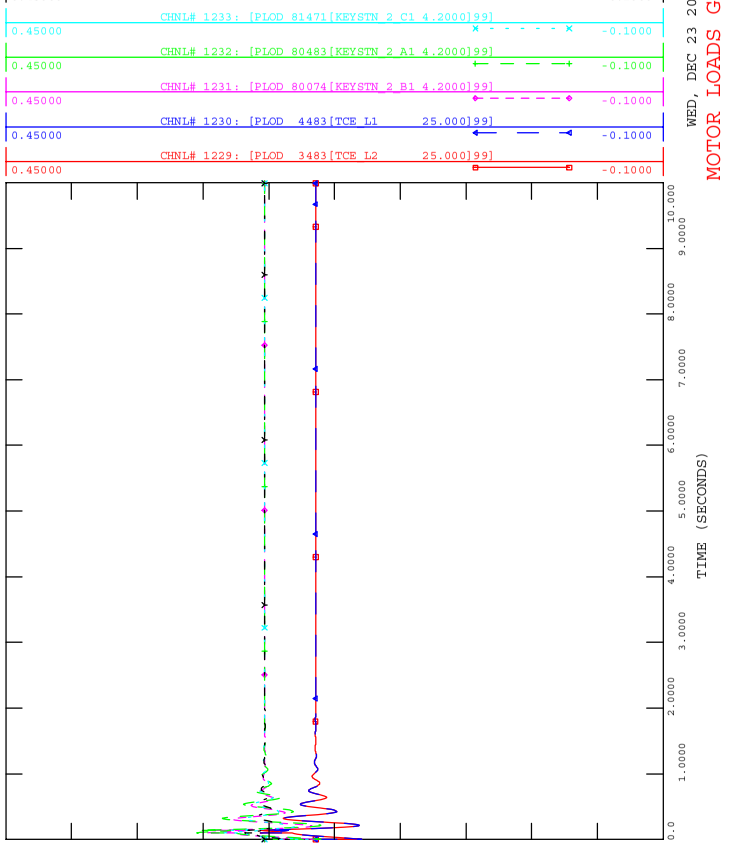


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-3Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP I

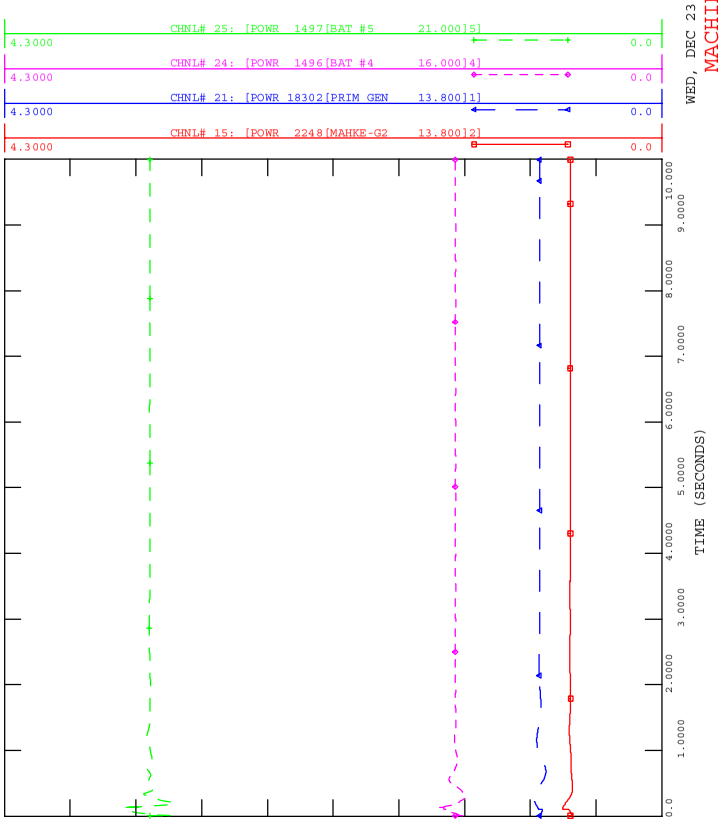


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

MACHINE POWER

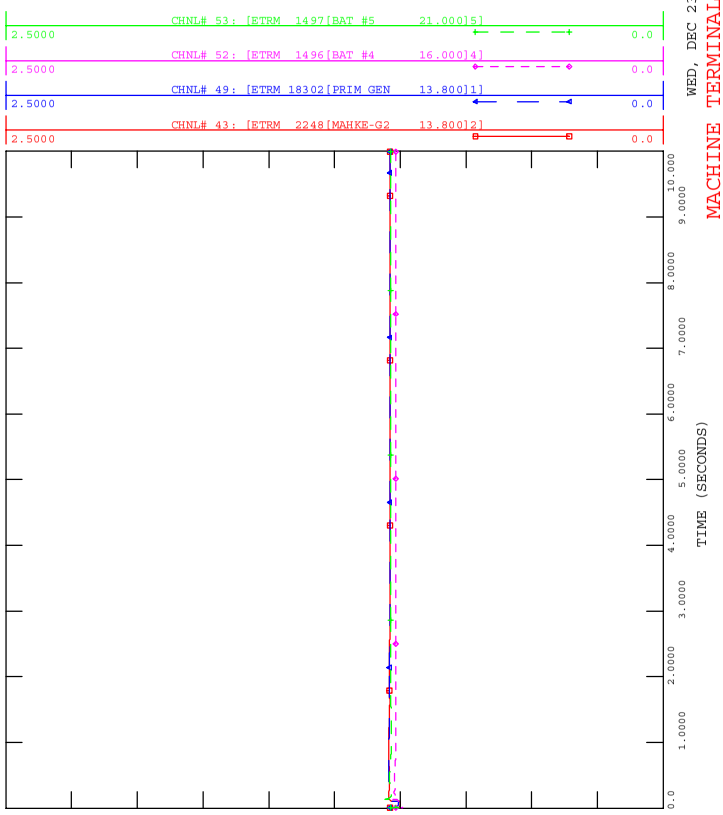


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

MACHINE TERMINAL VOLTAGE

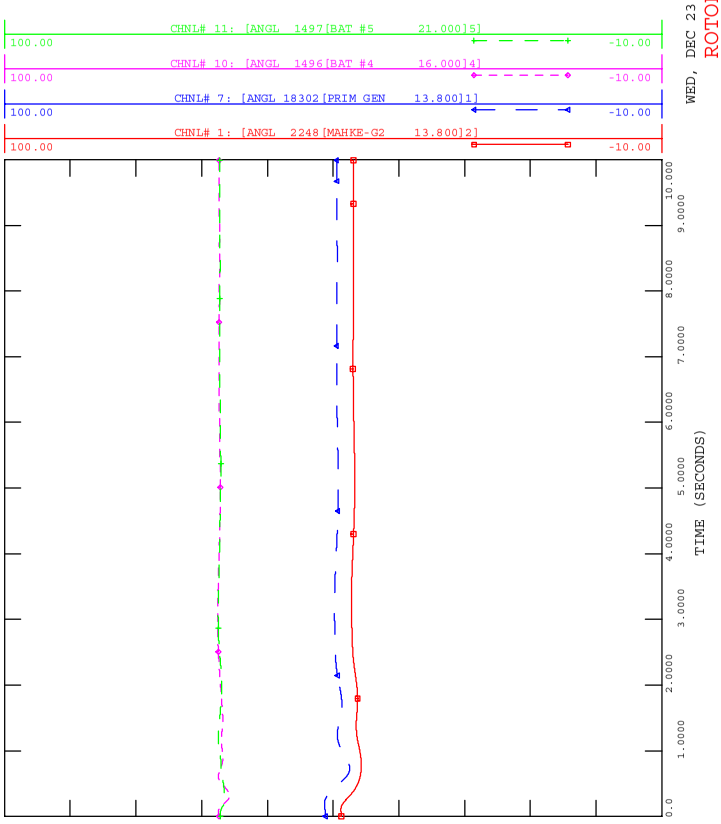


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

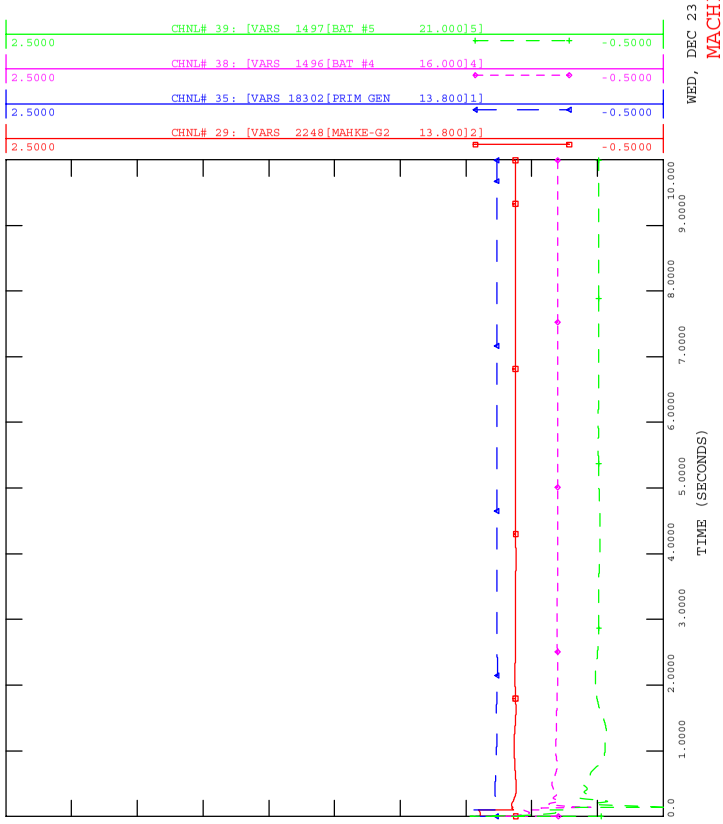


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

MACHINE VARS

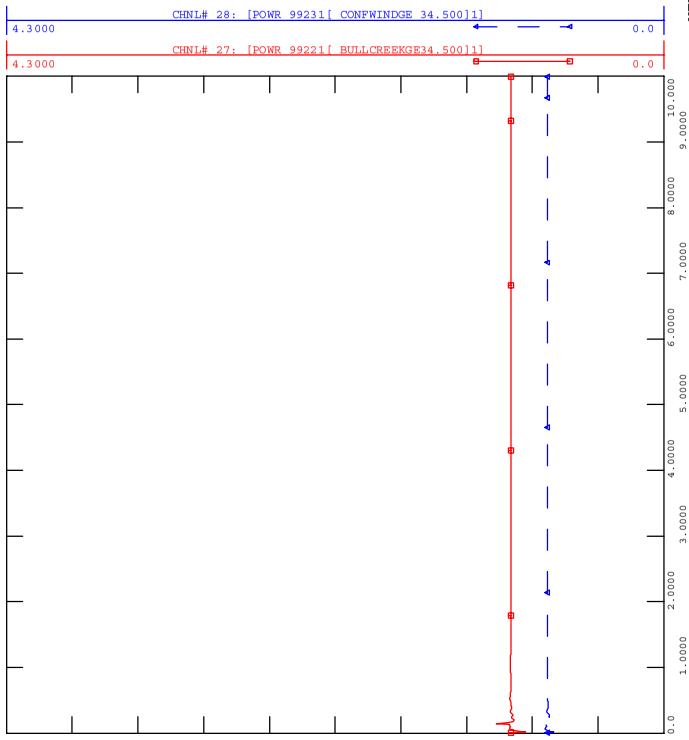


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE POWER

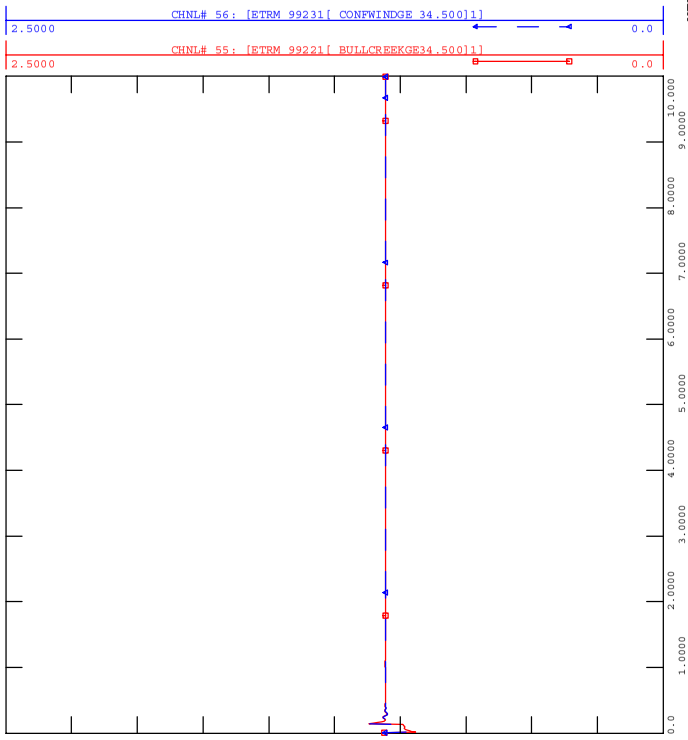


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

WIND MACH. TERMINAL VOLTS

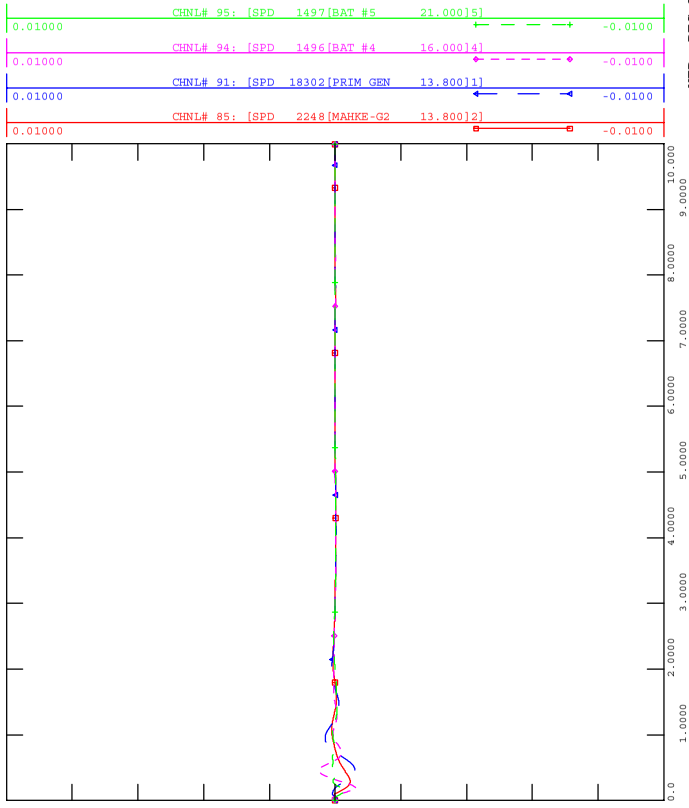


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

MACHINE SPEED

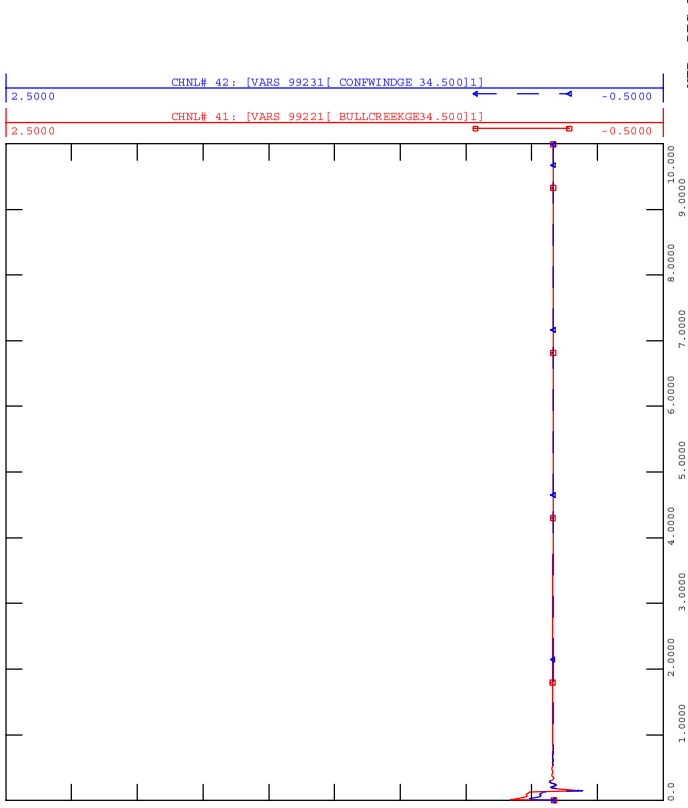


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE VARS

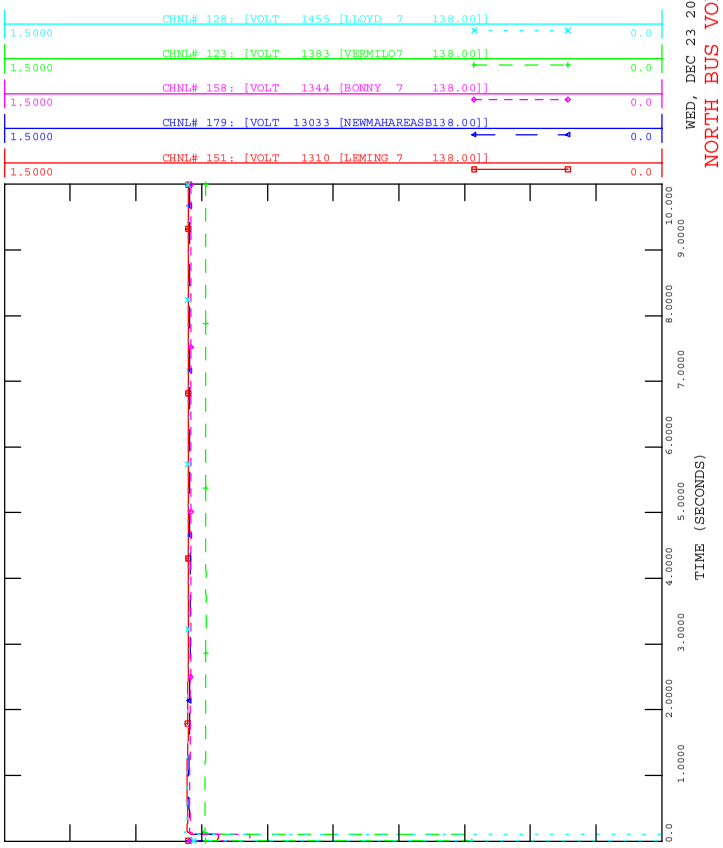


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

NORTH BUS VOLTAGES

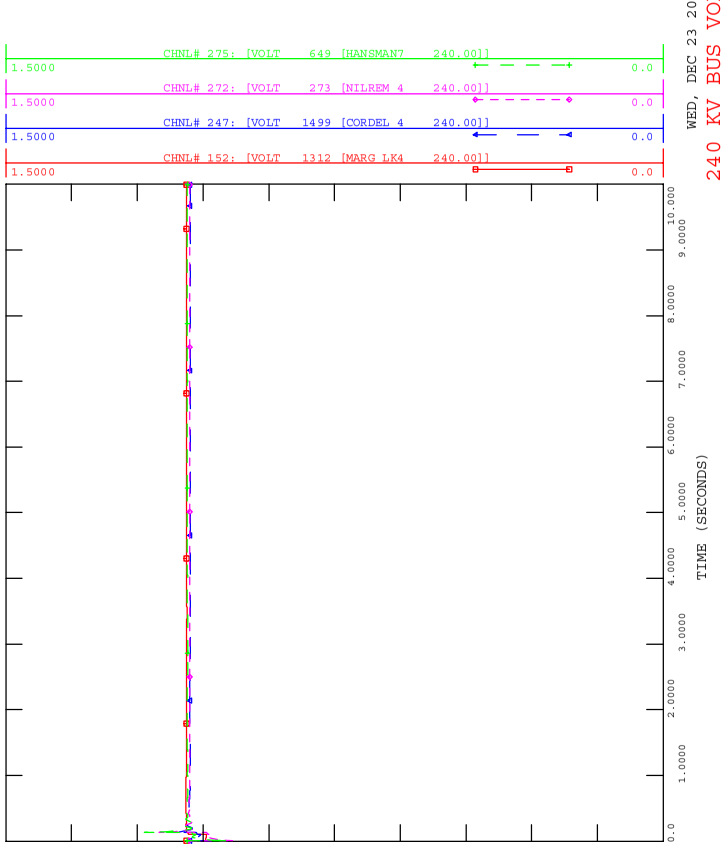


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

240 KV BUS VOLTAGES

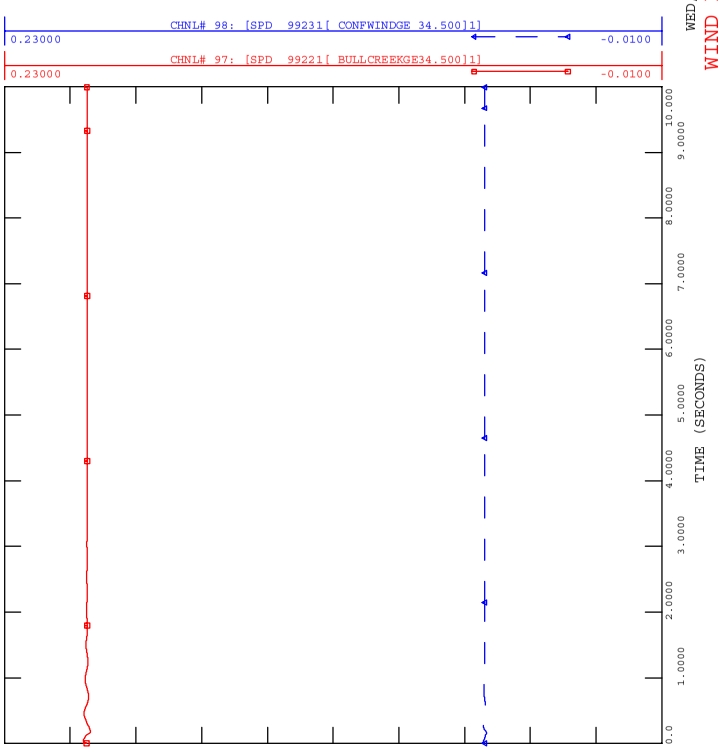


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE SPEED

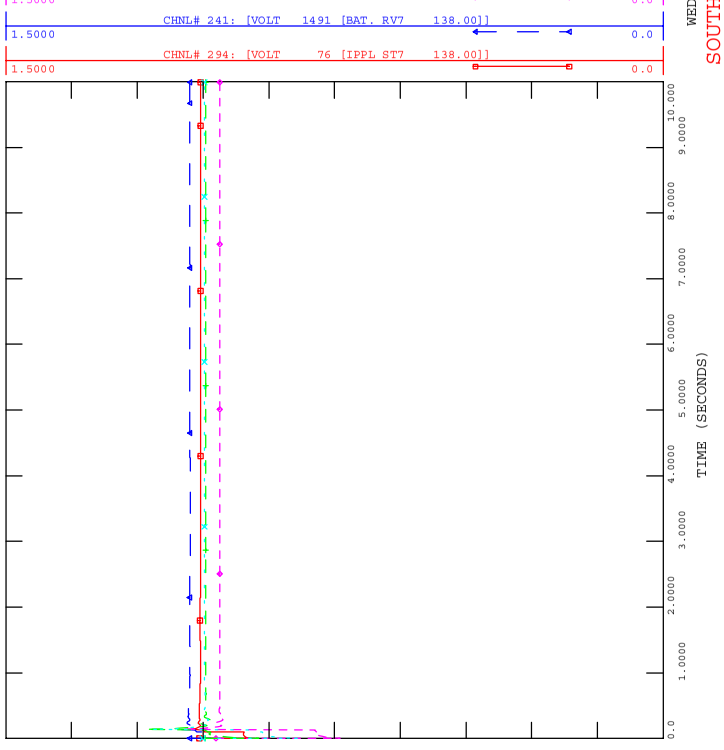


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

SOUTH BUS VOLTAGES

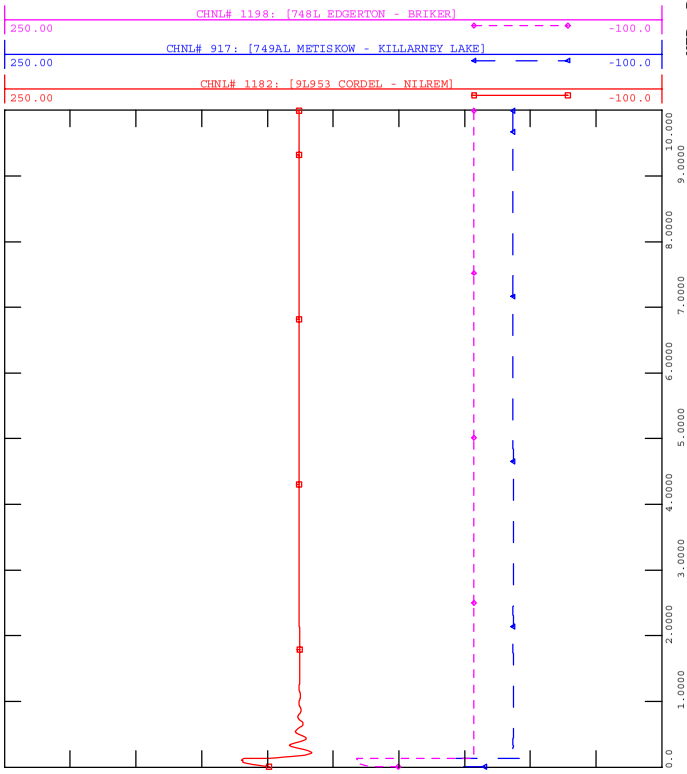


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

SOUTH LINES POWER FLOW

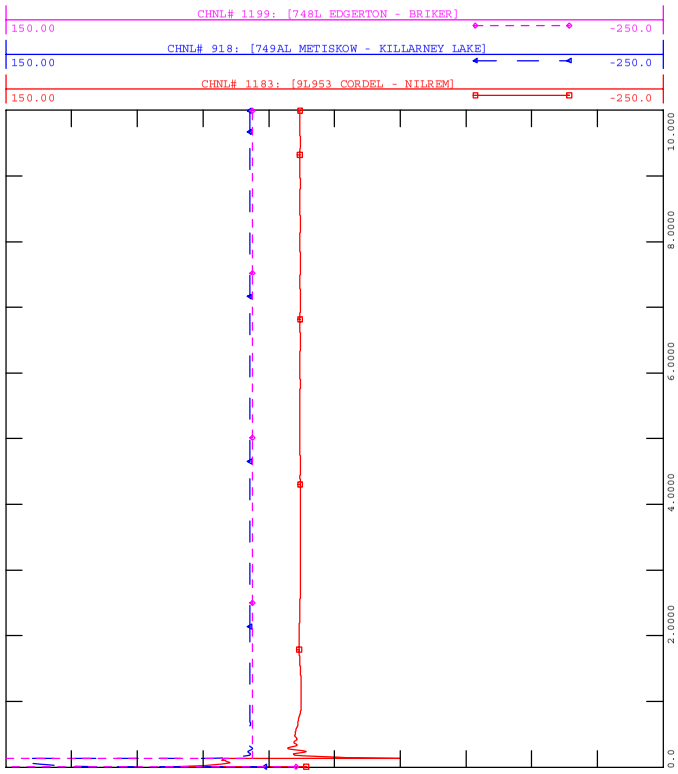


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

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SOUTH LINES VAR FLOW

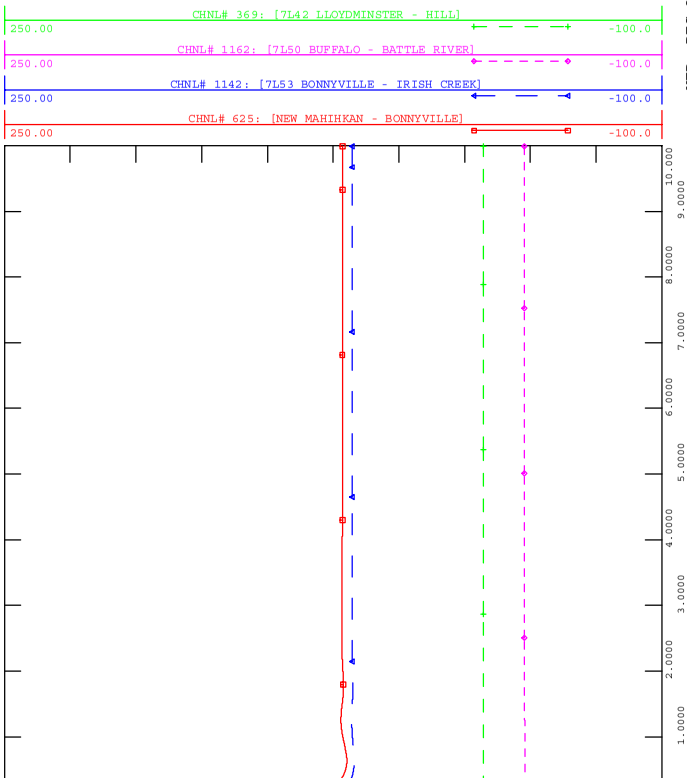


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

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NORTH LINES POWER FLOW

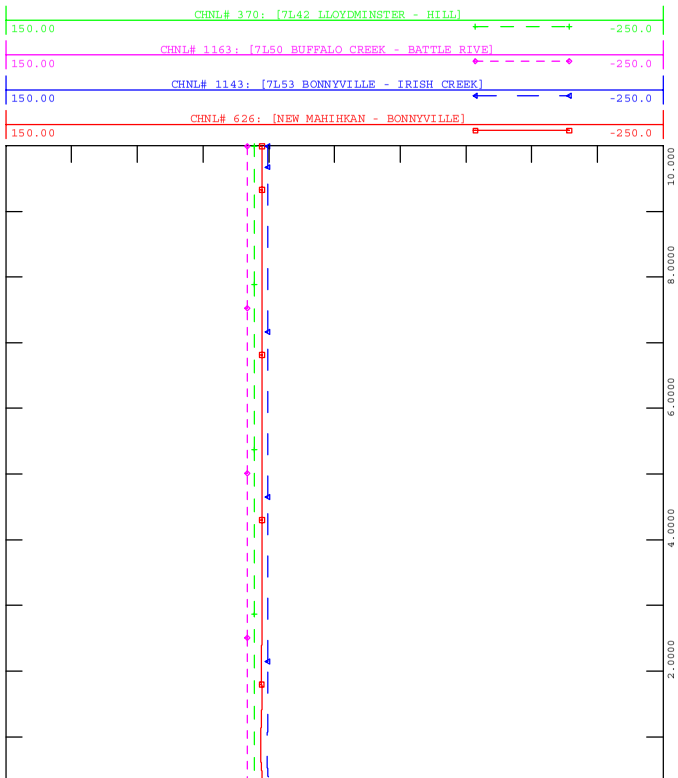


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

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NORTH LINES VAR FLOW

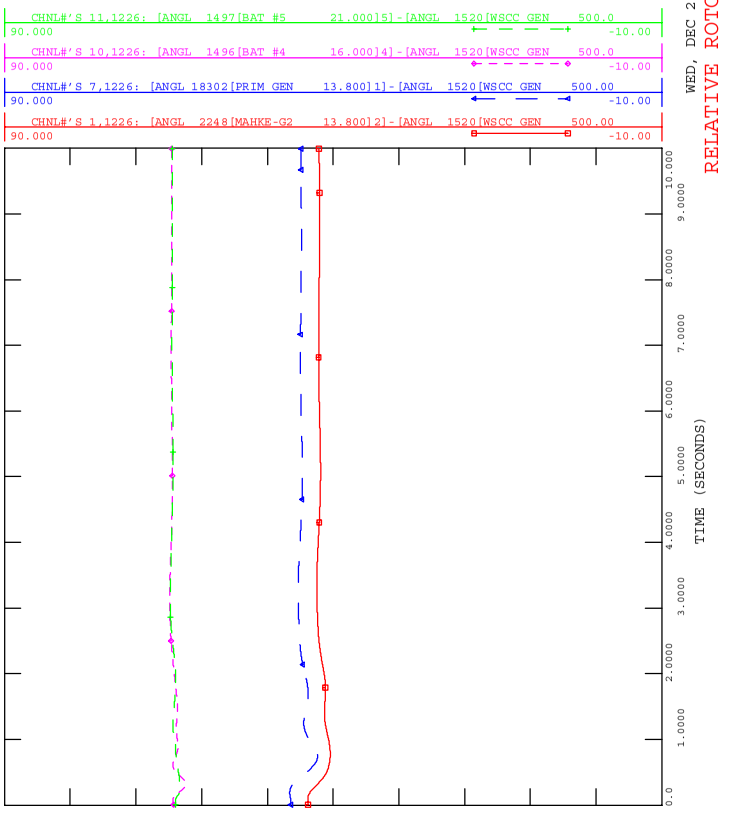


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

RELATIVE ROTOR ANGLES

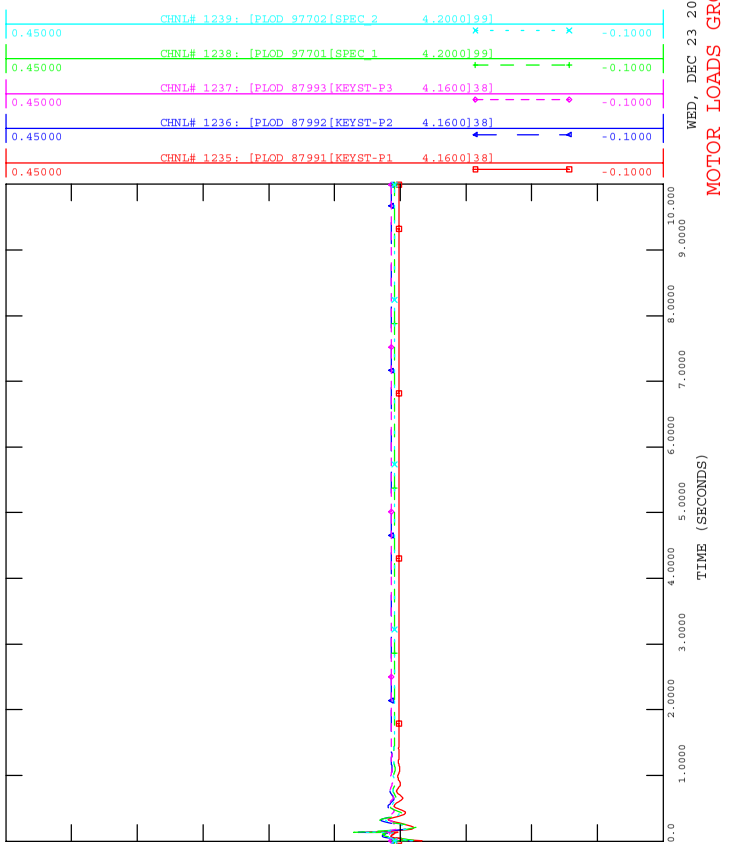


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP II

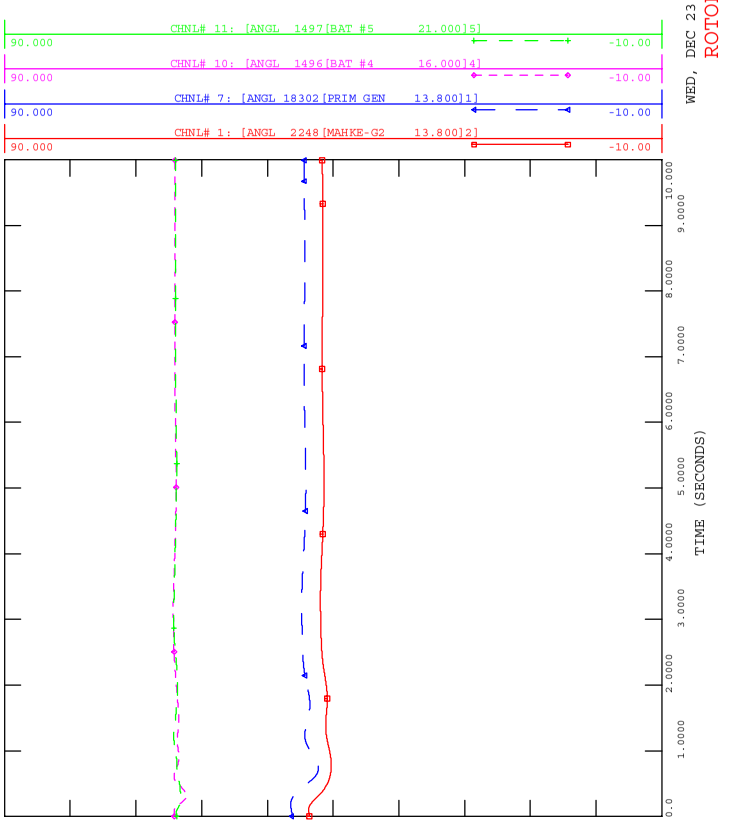


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

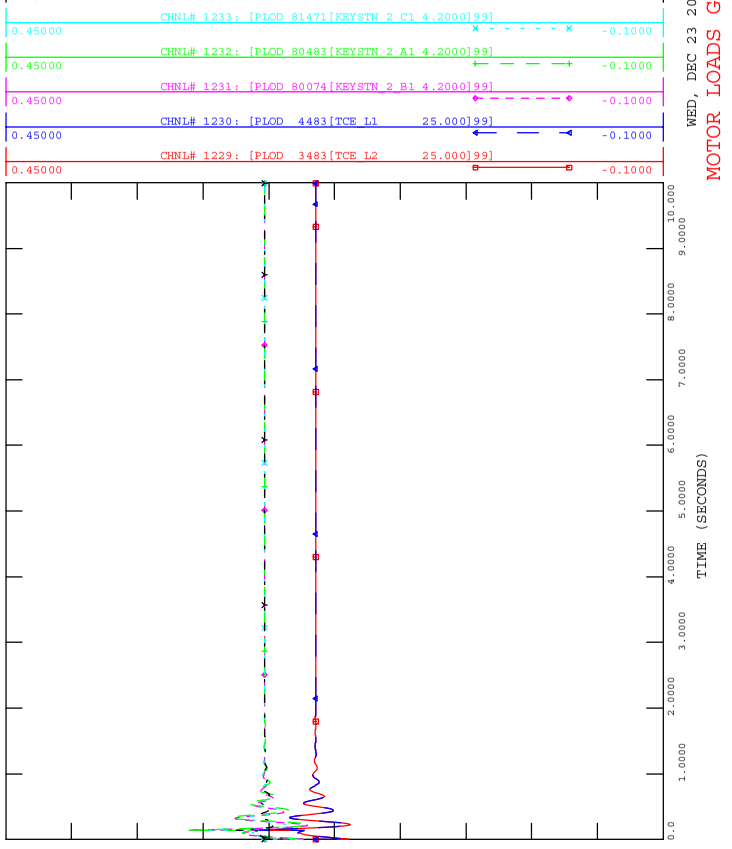


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-4Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP I

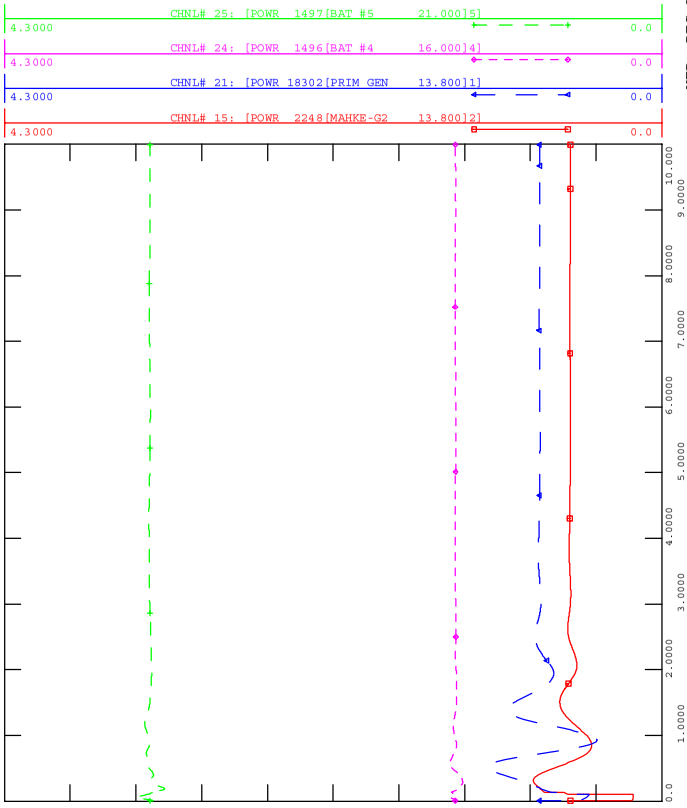


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

MACHINE POWER

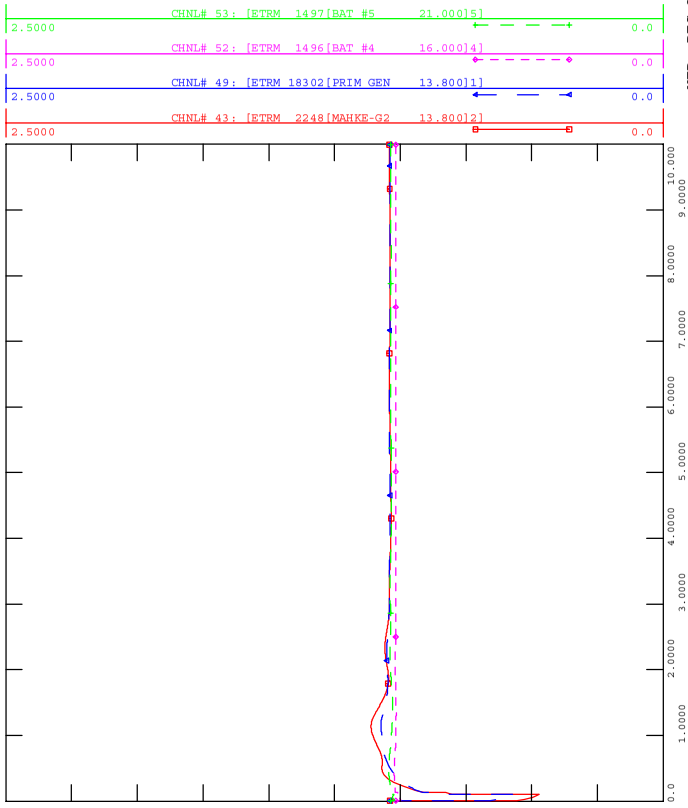


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

MACHINE TERMINAL VOLTAGE

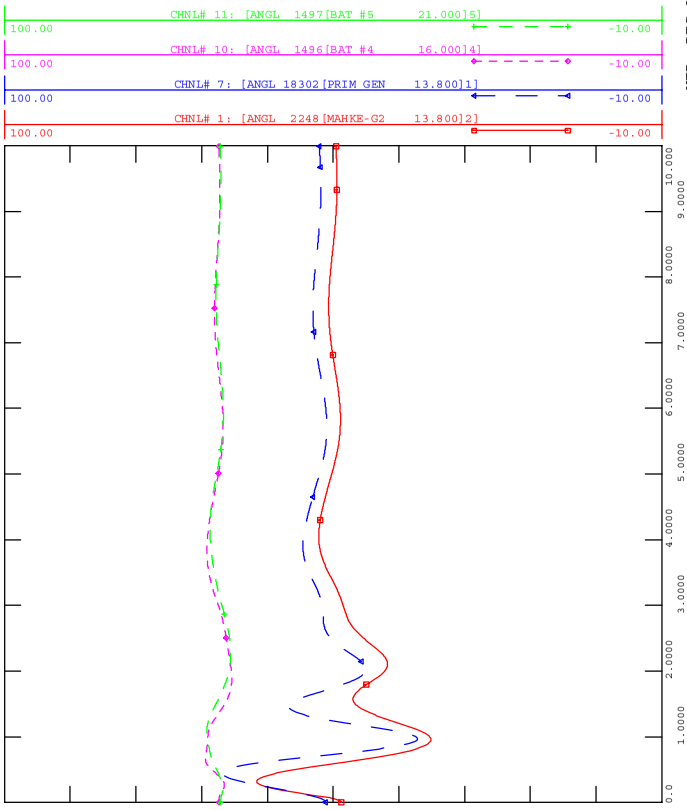


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

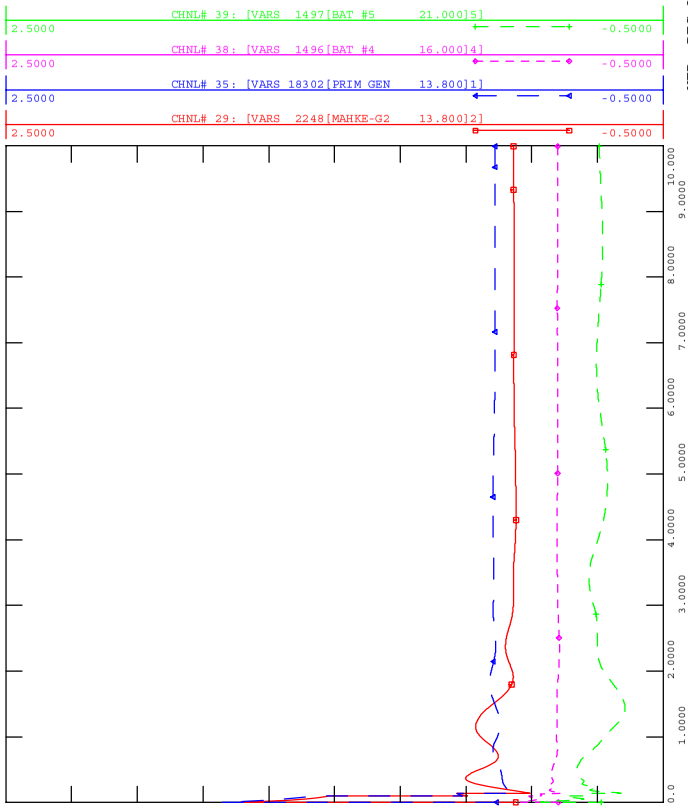


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

MACHINE VARS

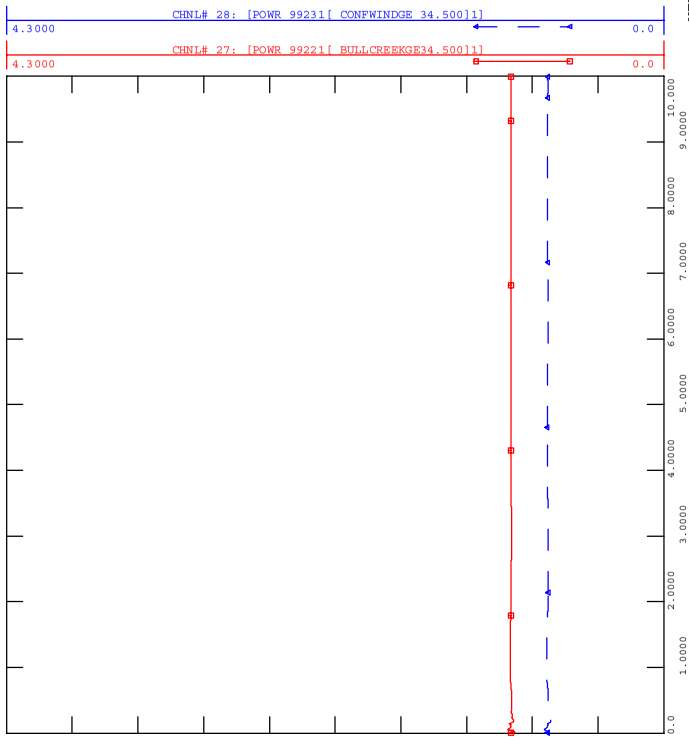


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE POWER

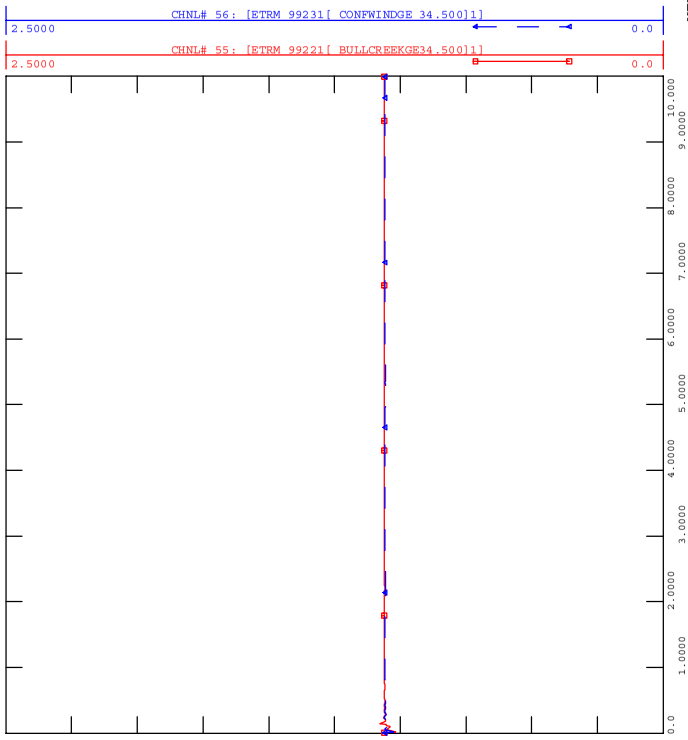


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

WIND MACH. TERMINAL VOLTS

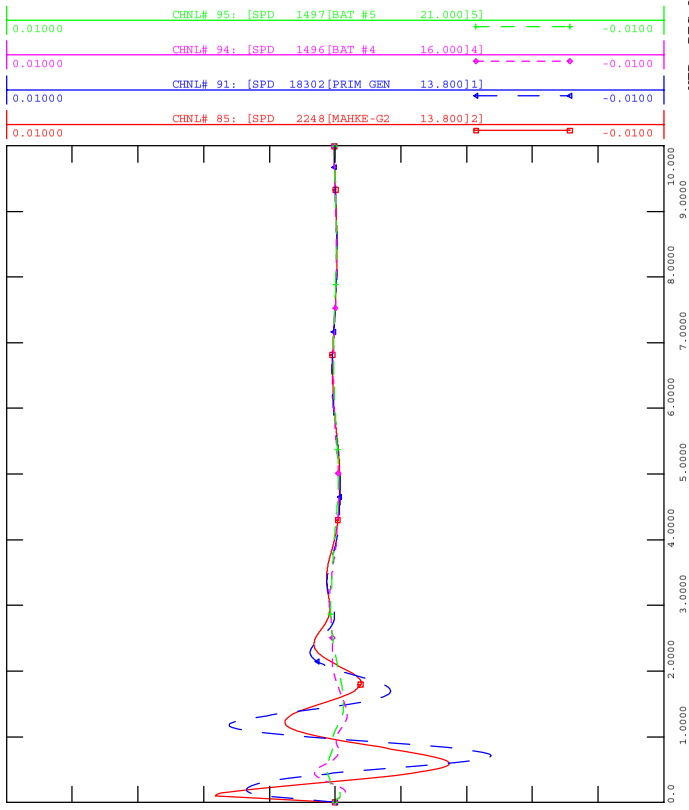


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

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MACHINE SPEED

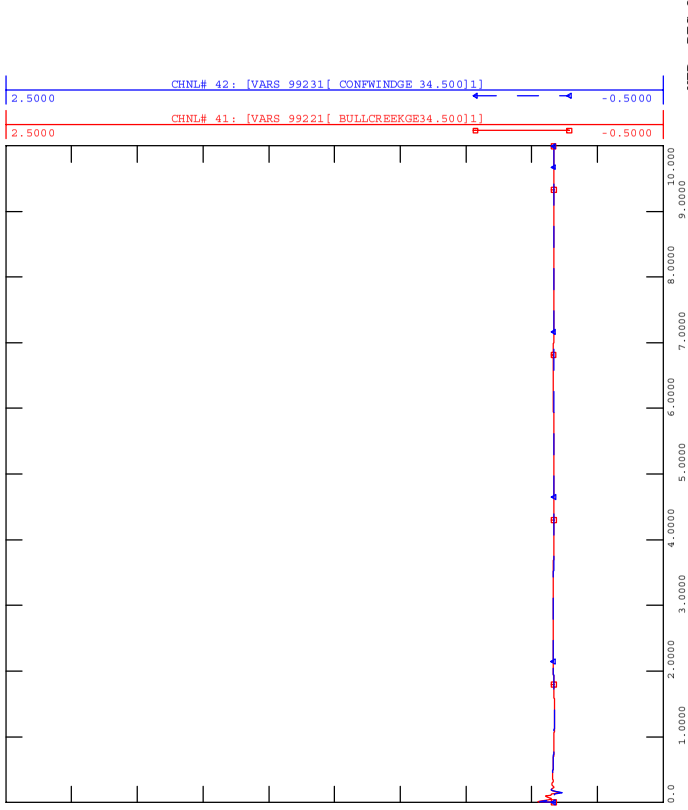


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

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WIND MACHINE VARS

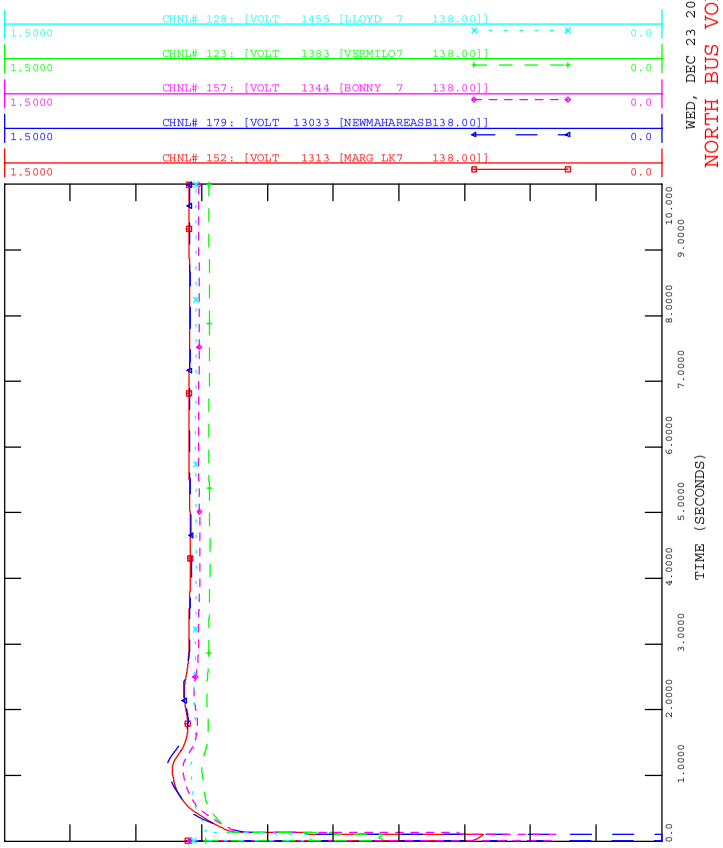


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

NORTH BUS VOLTAGES

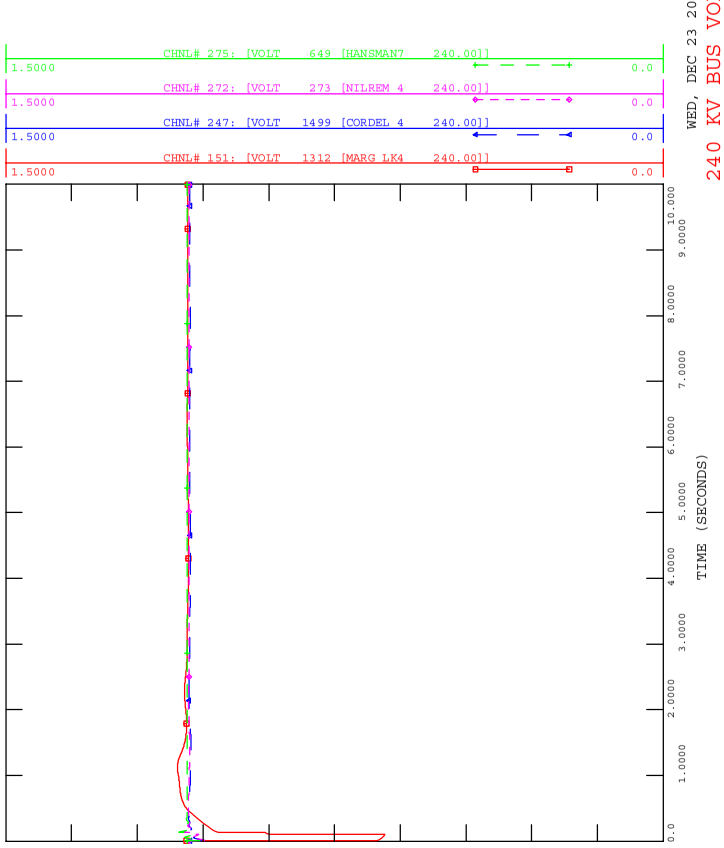


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

240 KV BUS VOLTAGES

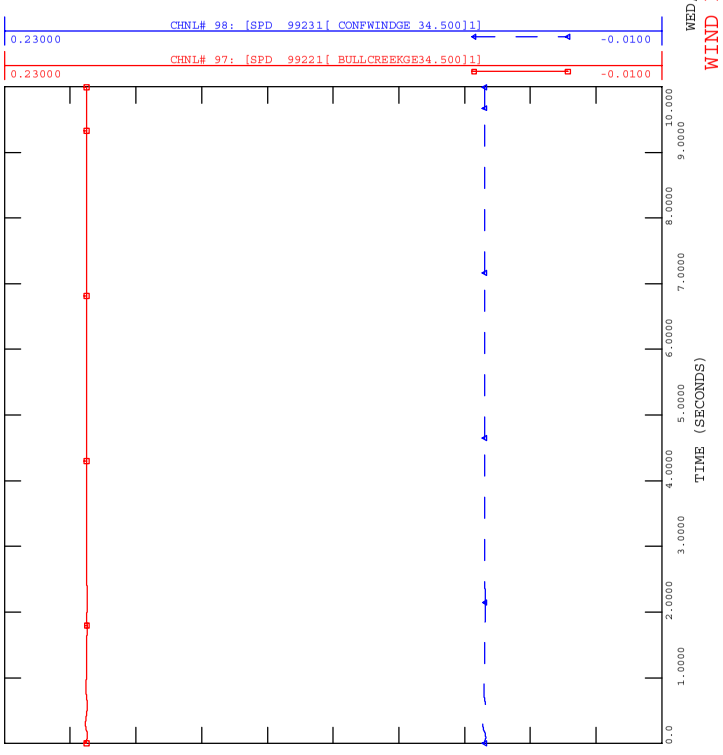


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE SPEED

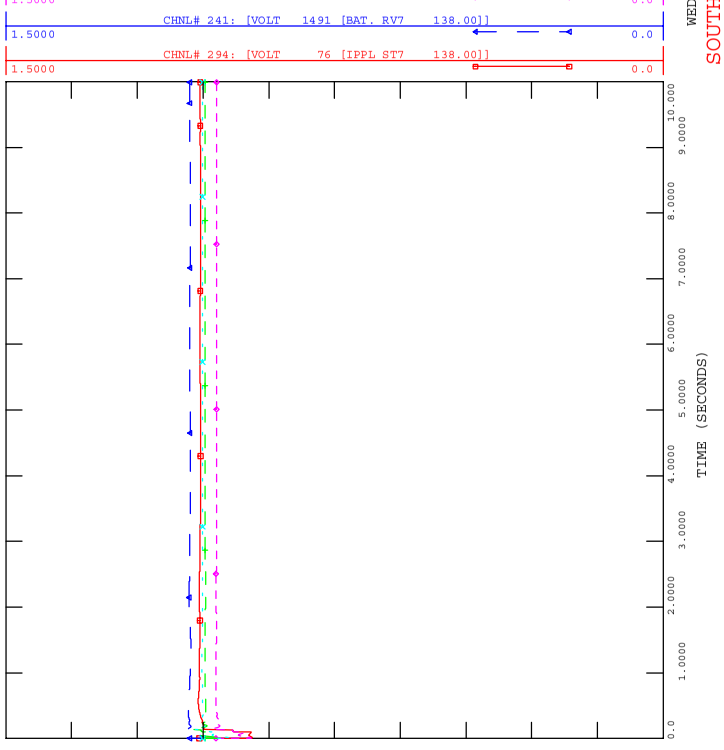


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

SOUTH BUS VOLTAGES

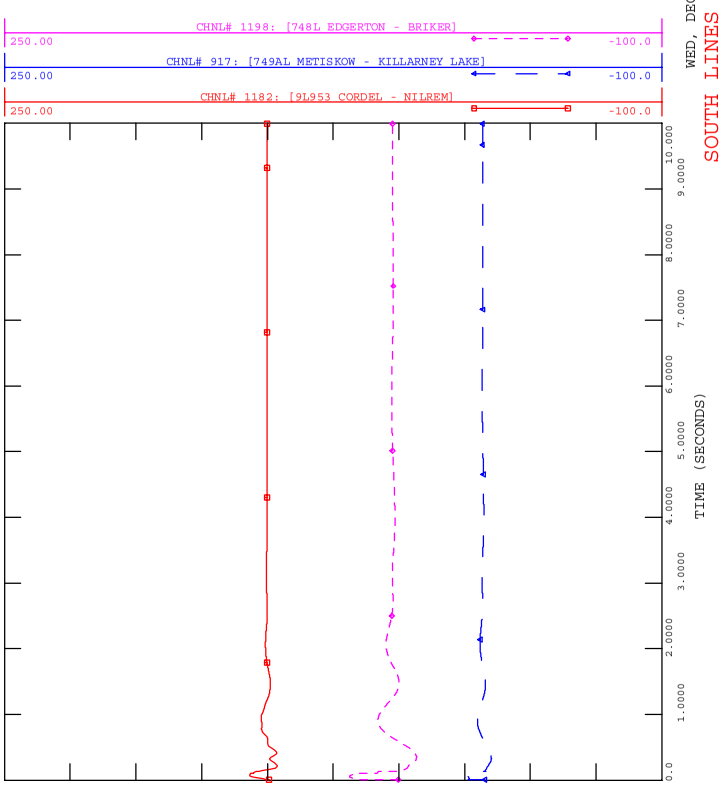


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

SOUTH LINES POWER FLOW

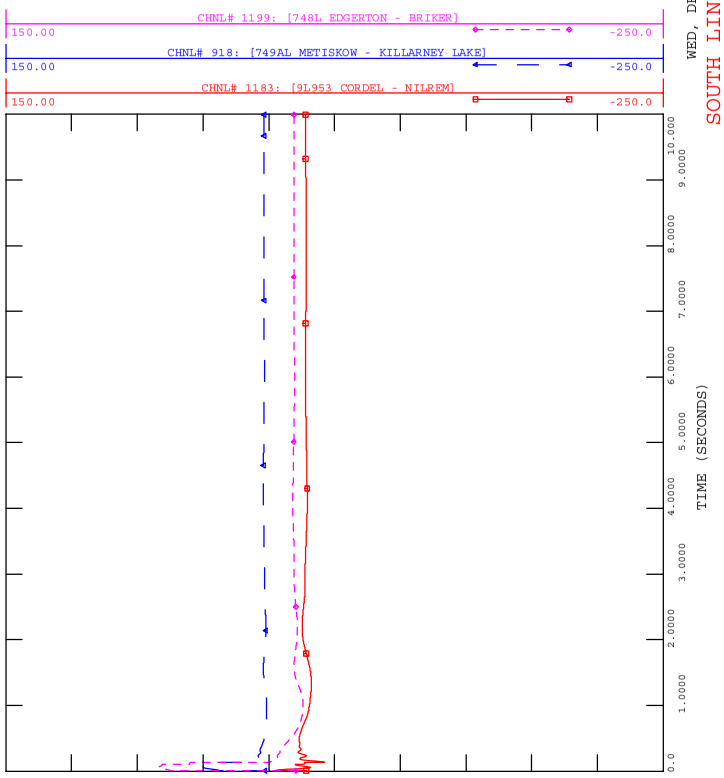


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

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SOUTH LINES VAR FLOW

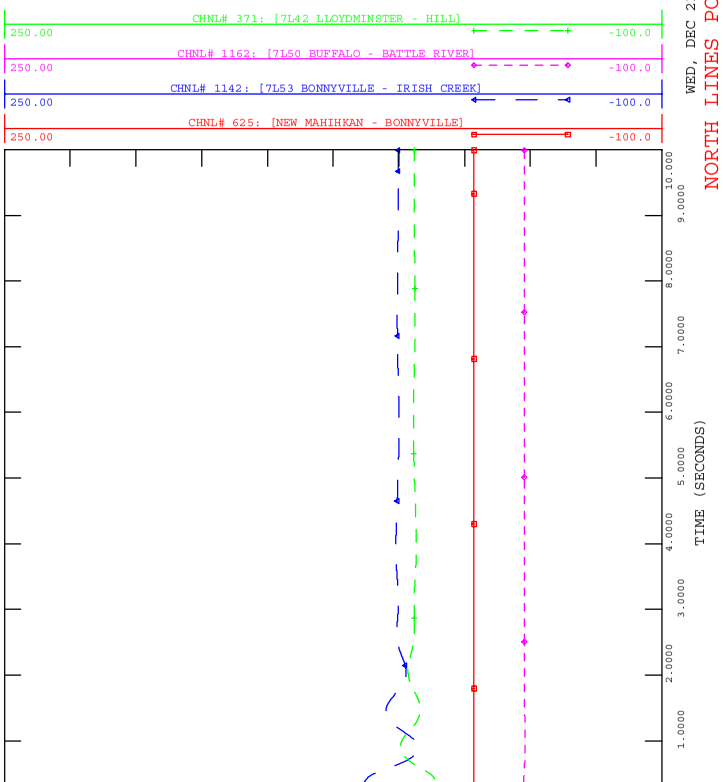


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

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NORTH LINES POWER FLOW

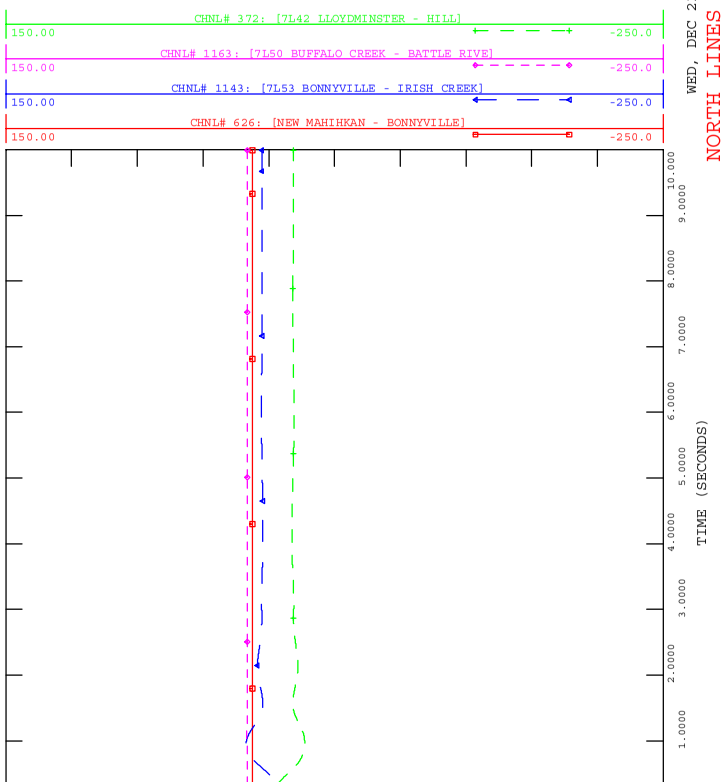


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

NORTH LINES VAR FLOW

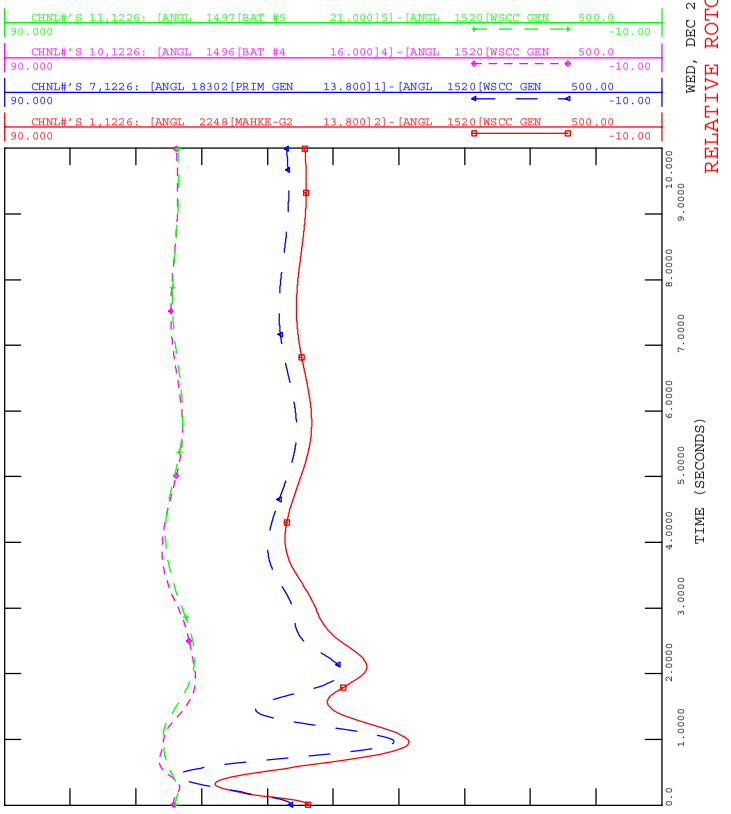


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

RELATIVE ROTOR ANGLES

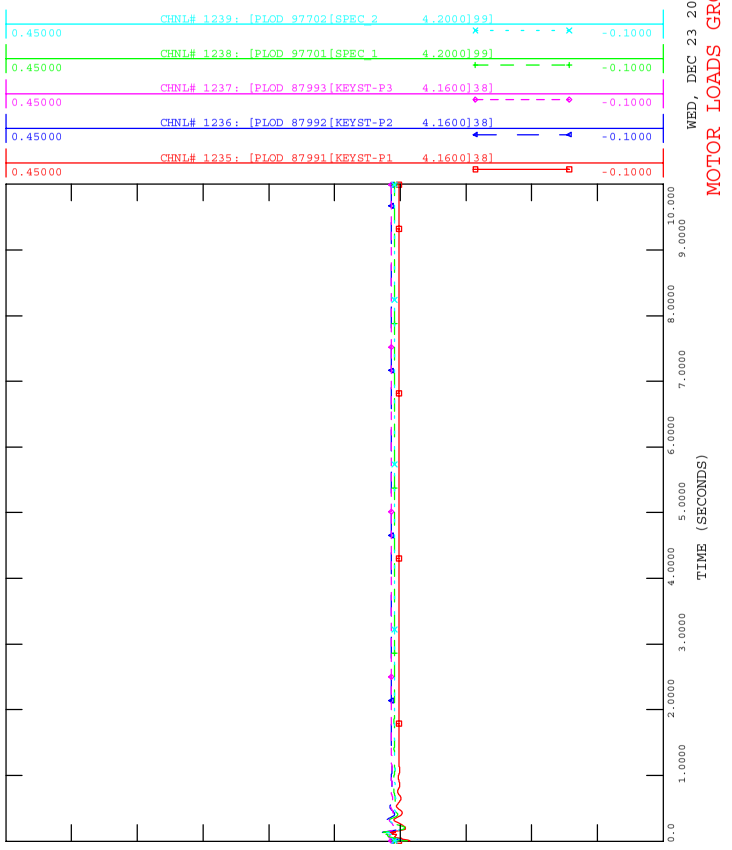


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

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MOTOR LOADS GROUP II

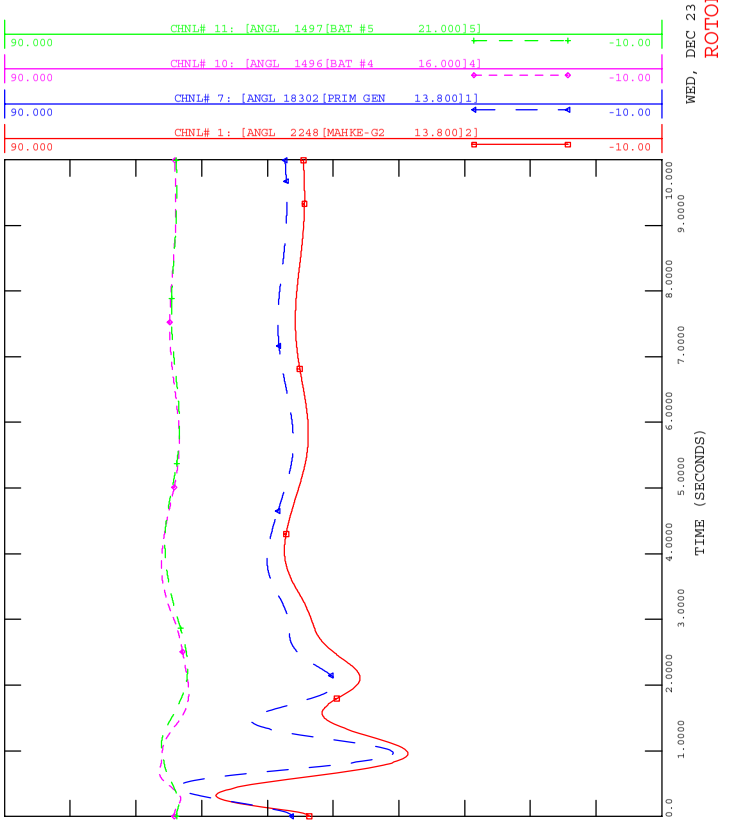


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

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ROTOR ANGLES

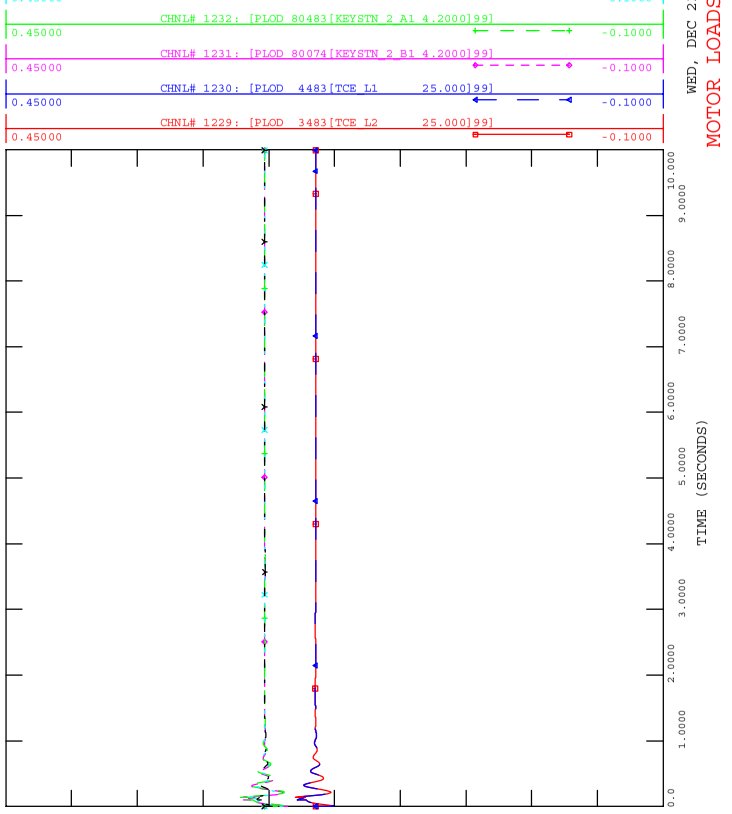


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-5Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP I

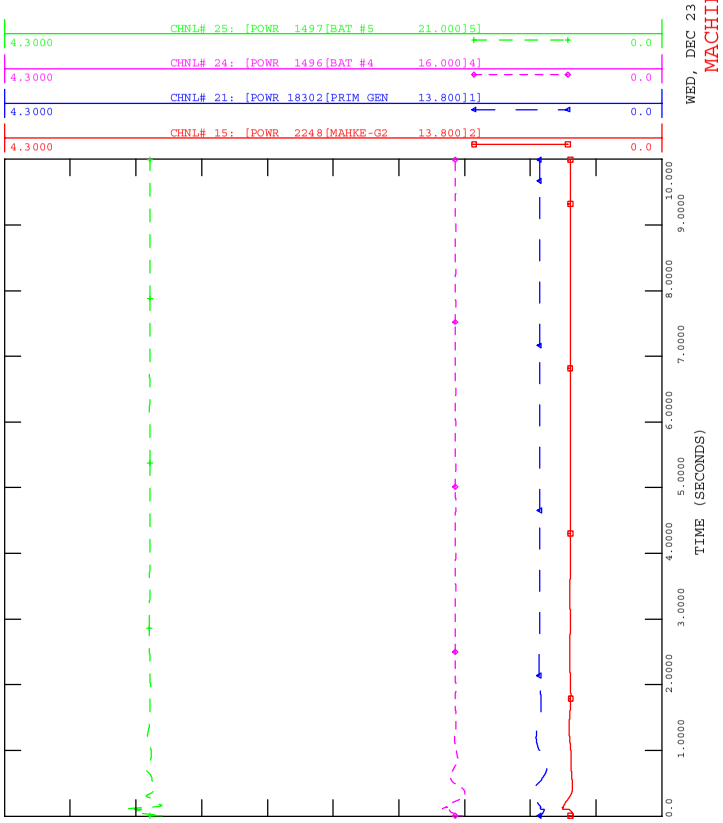


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

MACHINE POWER

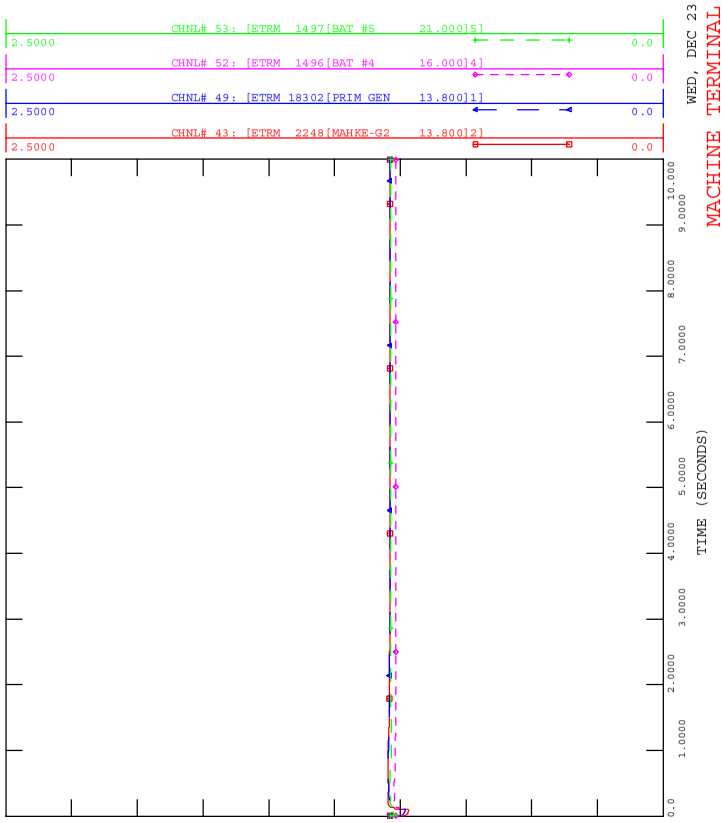


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

MACHINE TERMINAL VOLTAGE

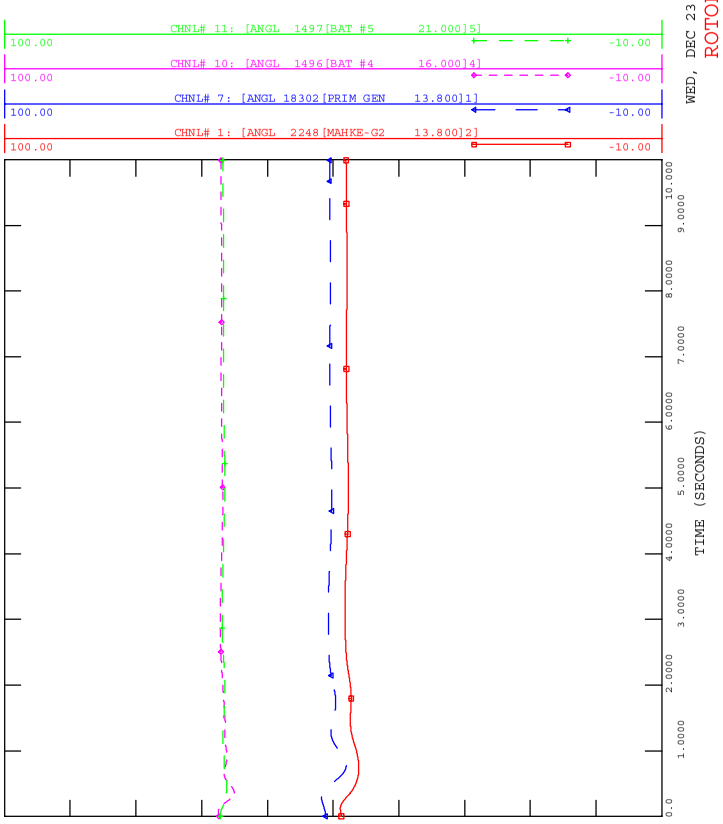


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

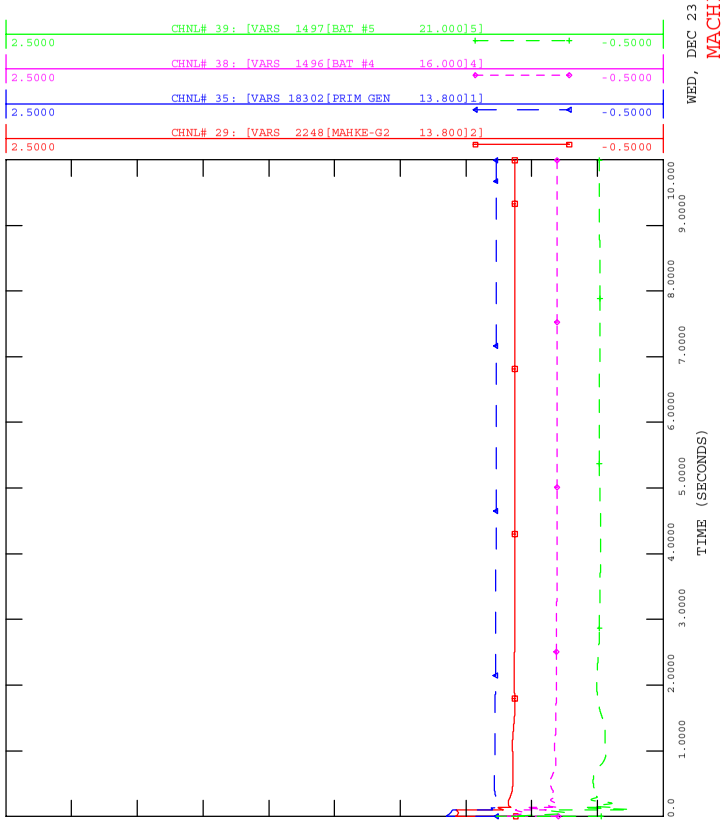


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

MACHINE VARS

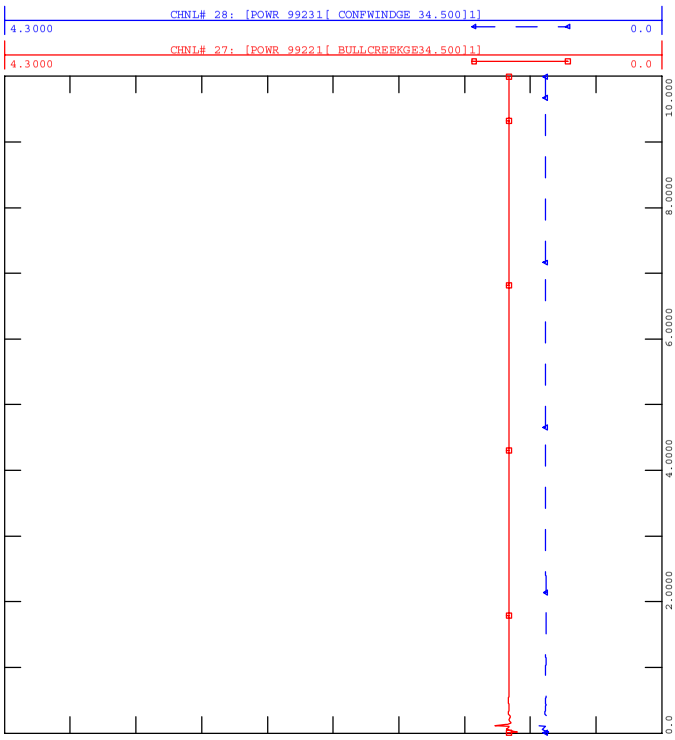


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE POWER

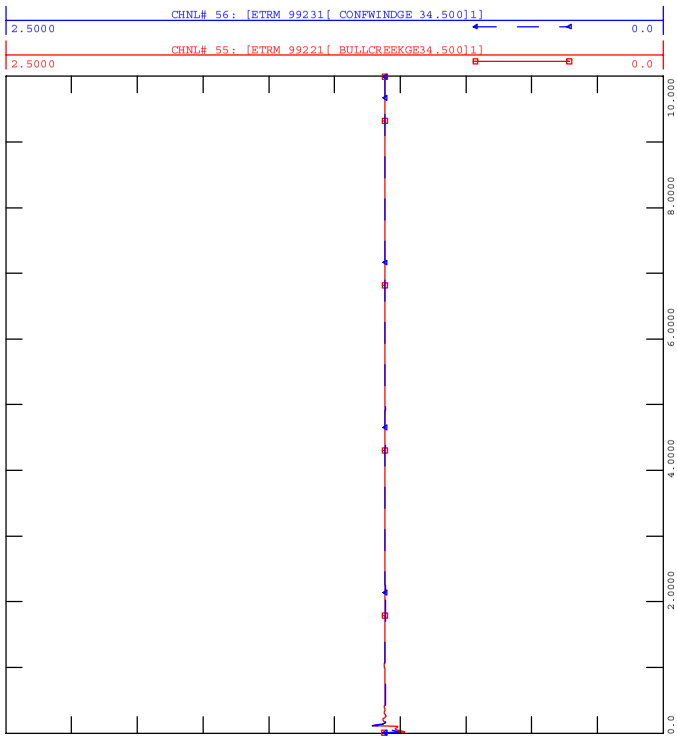


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

WIND MACH. TERMINAL VOLTS

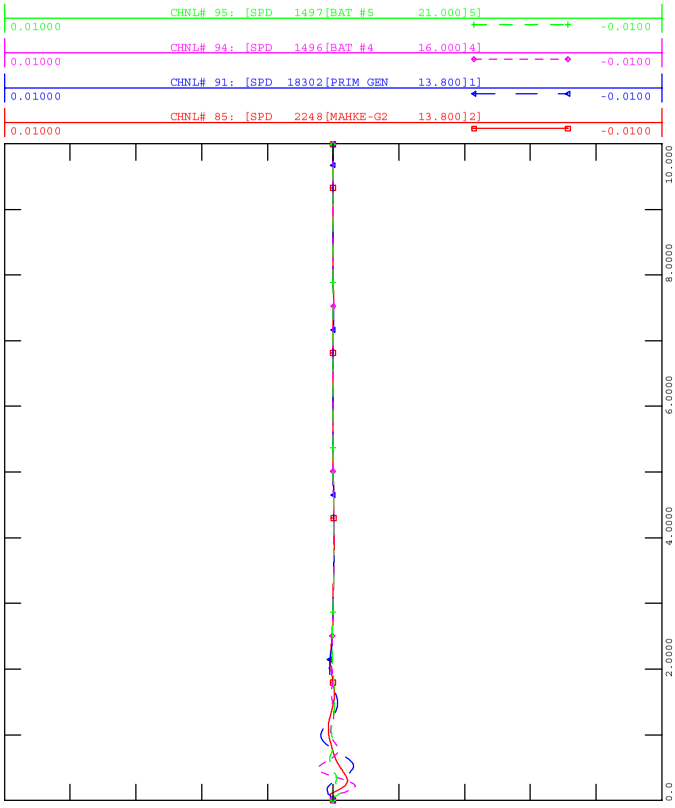


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

MACHINE SPEED

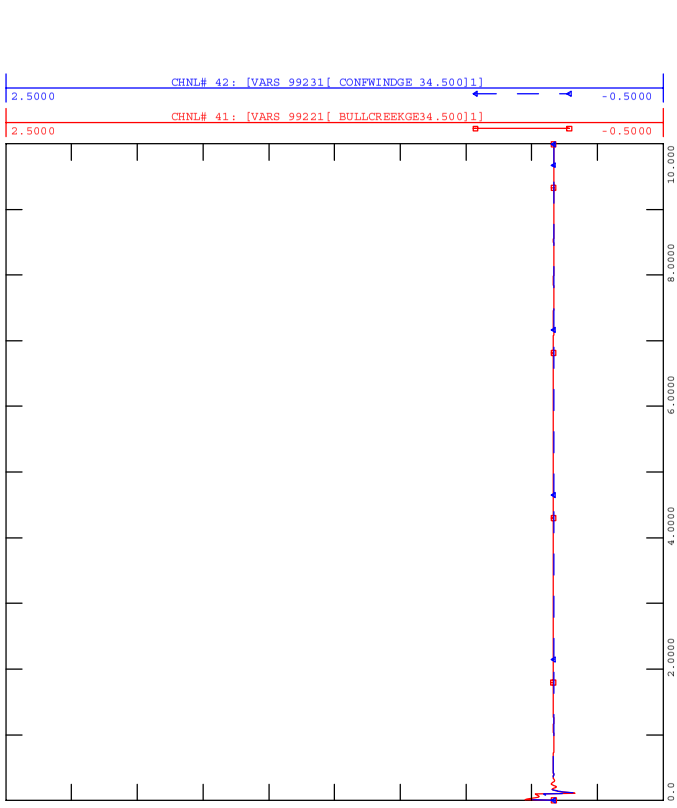


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE VARS

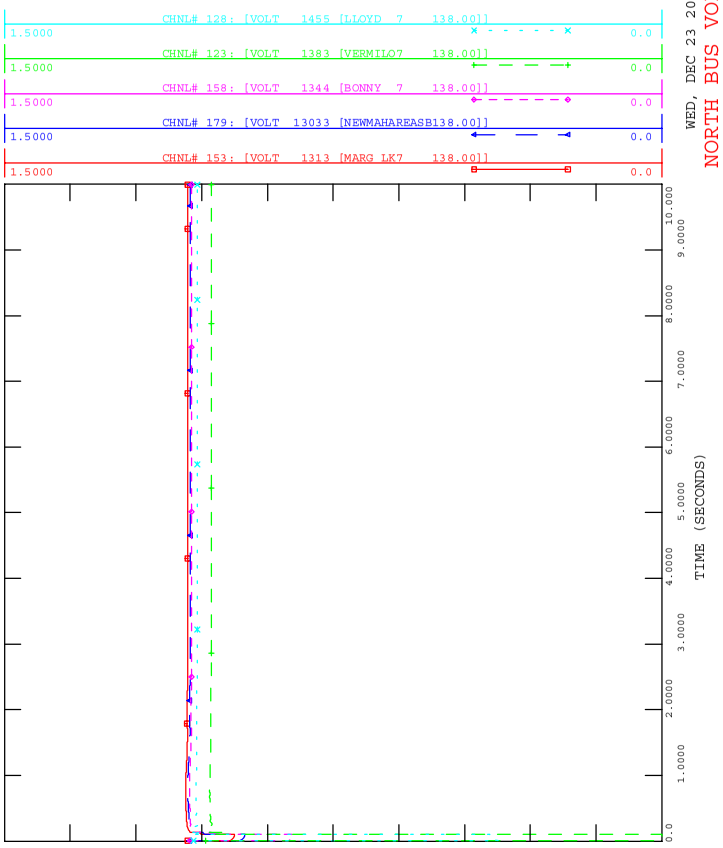


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

NORTH BUS VOLTAGES

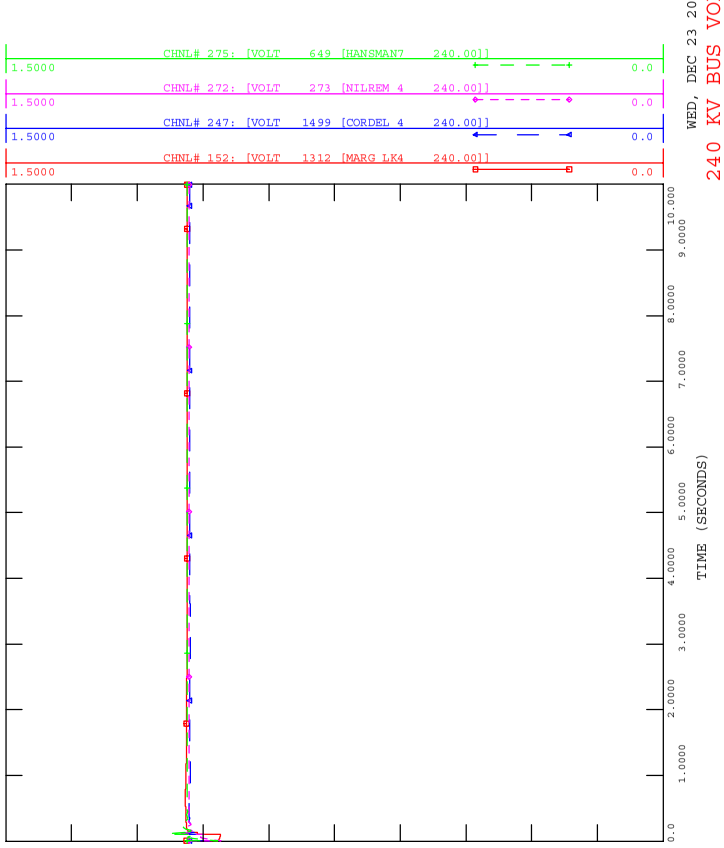


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

240 KV BUS VOLTAGES

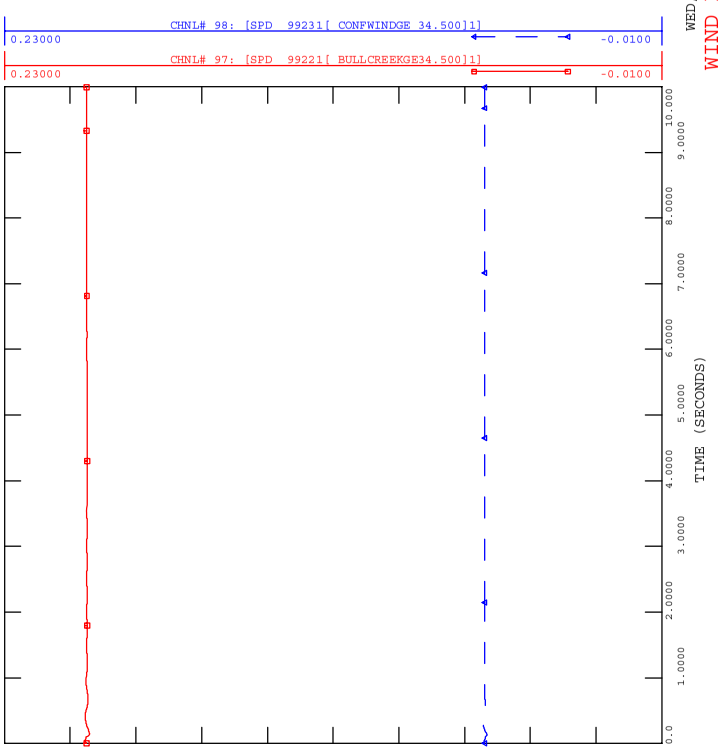


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE SPEED

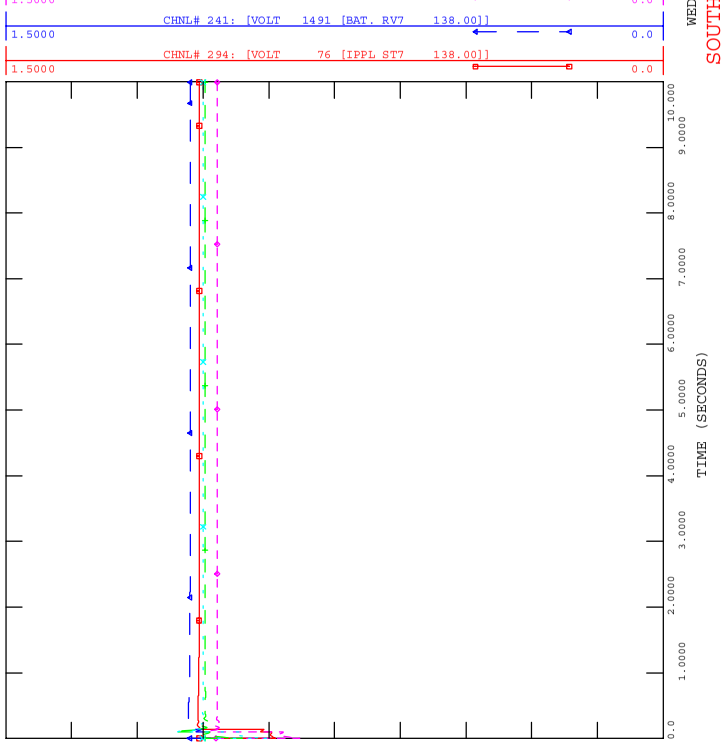


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

SOUTH BUS VOLTAGES

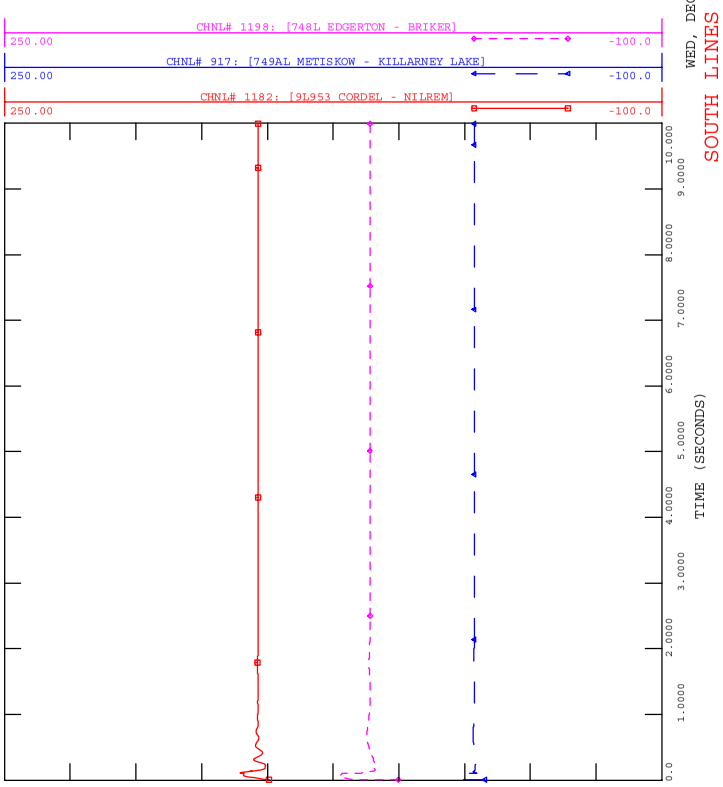


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

SOUTH LINES POWER FLOW

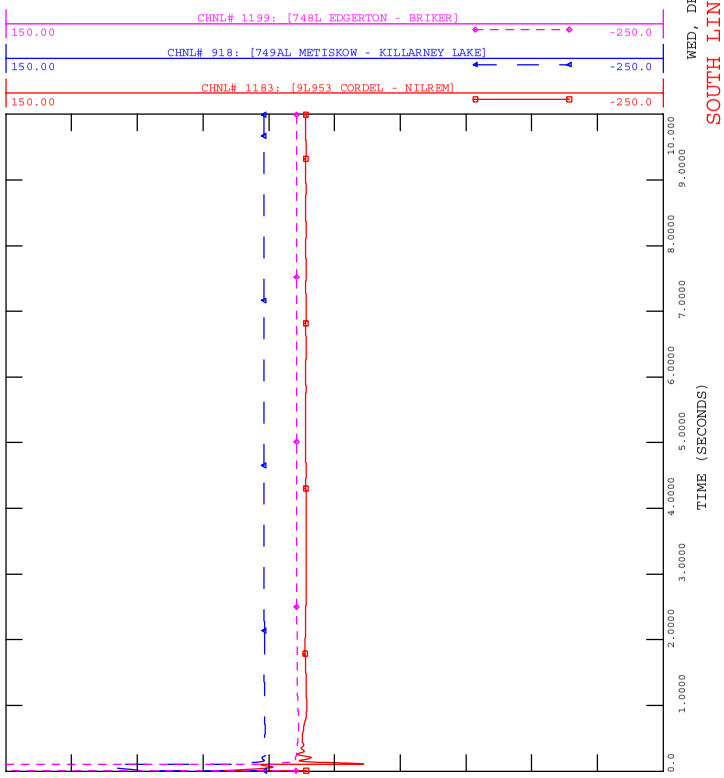


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

SOUTH LINES VAR FLOW

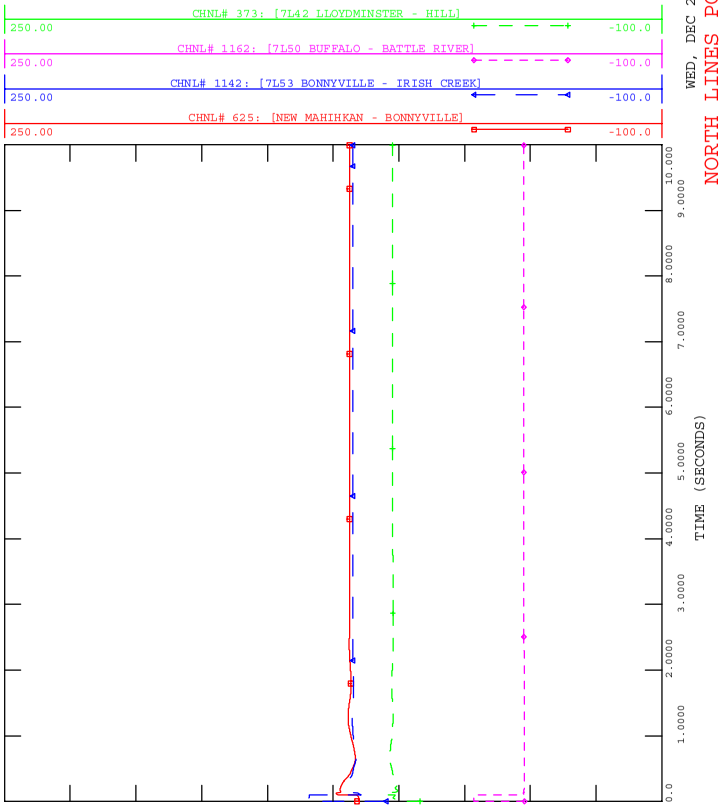


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

NORTH LINES POWER FLOW

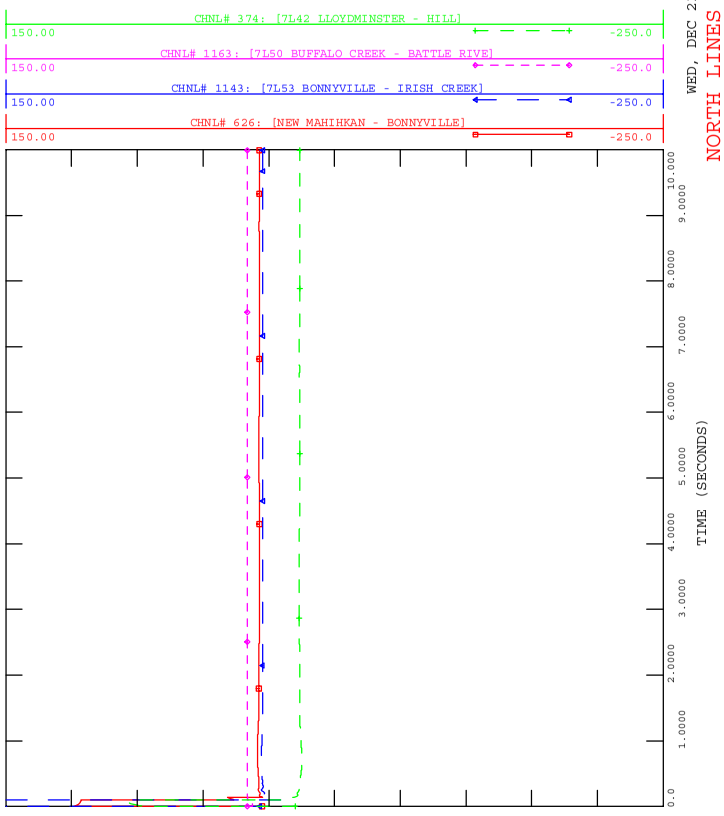


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

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NORTH LINES VAR FLOW

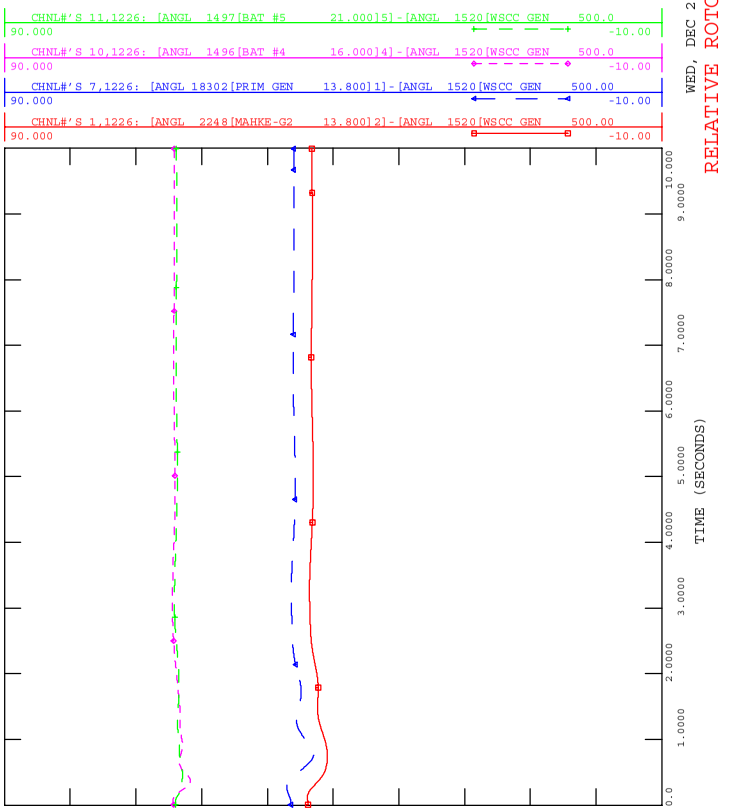


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

RELATIVE ROTOR ANGLES

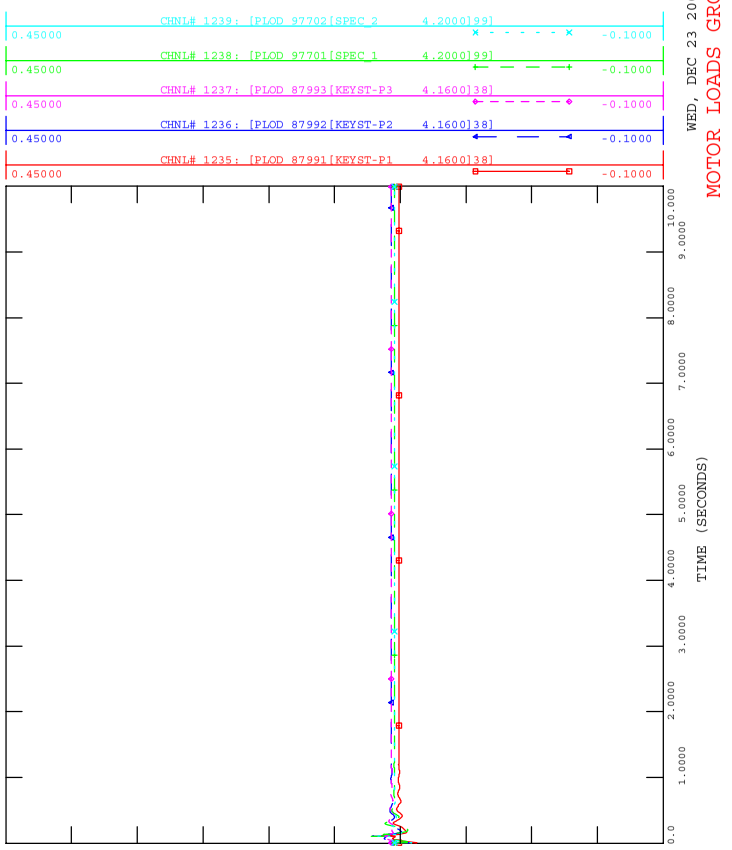


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP II

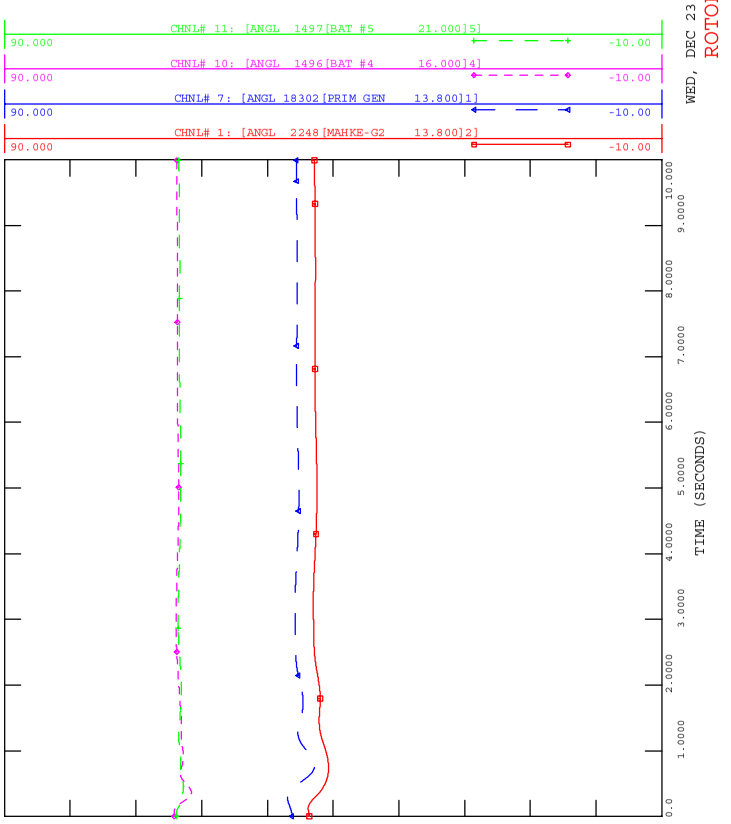


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

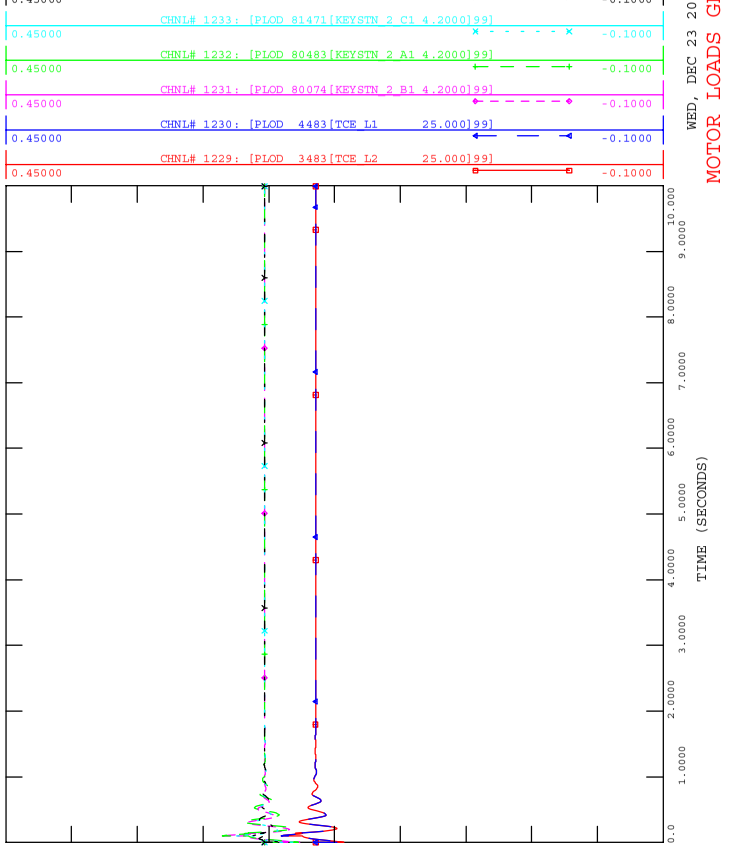


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-6Faultout.out

WED, DEC 23 2009 14:05

MOTOR LOADS GROUP I

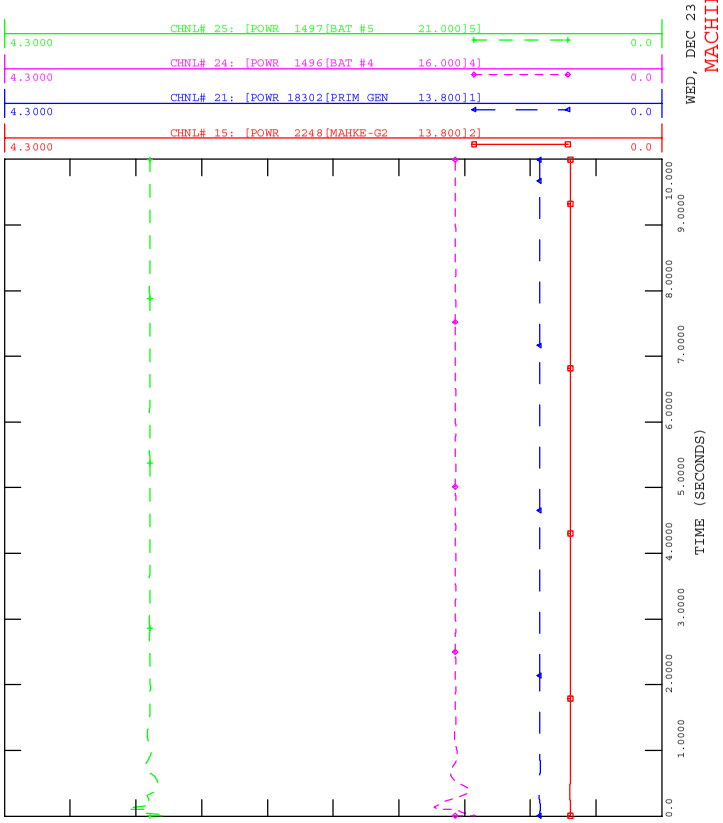


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

MACHINE POWER

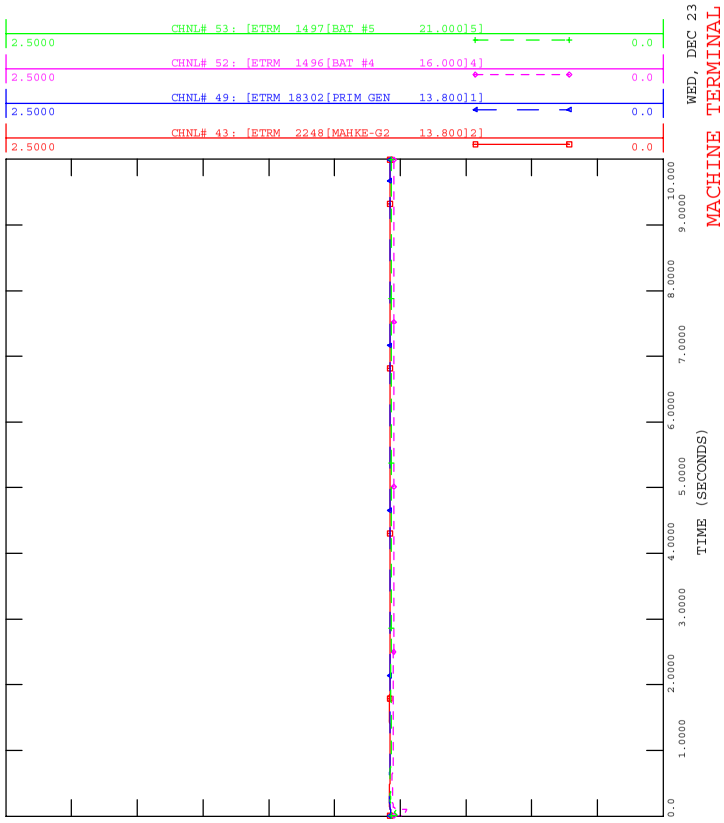


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

MACHINE TERMINAL VOLTAGE

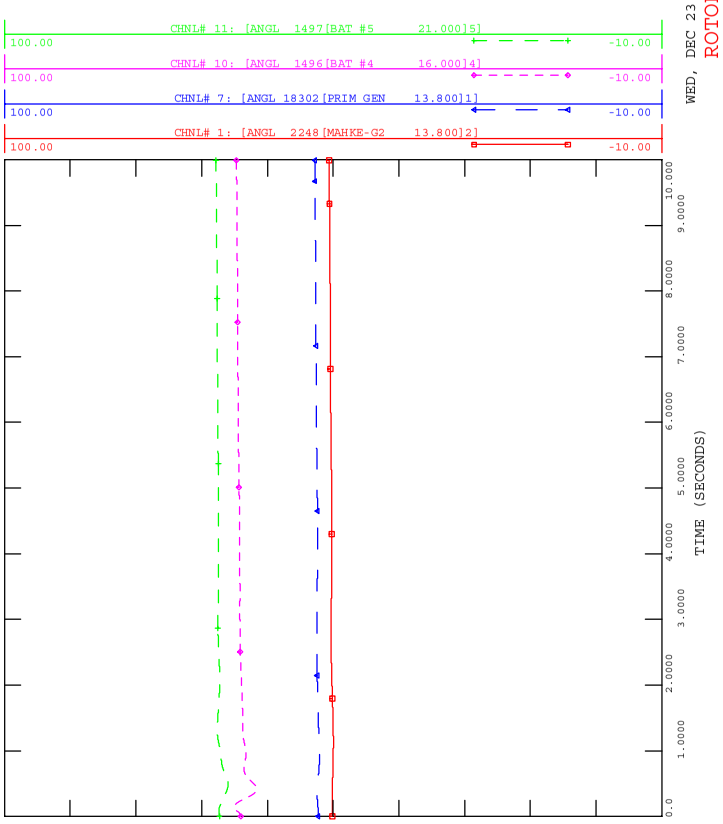


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

ROTOR ANGLES

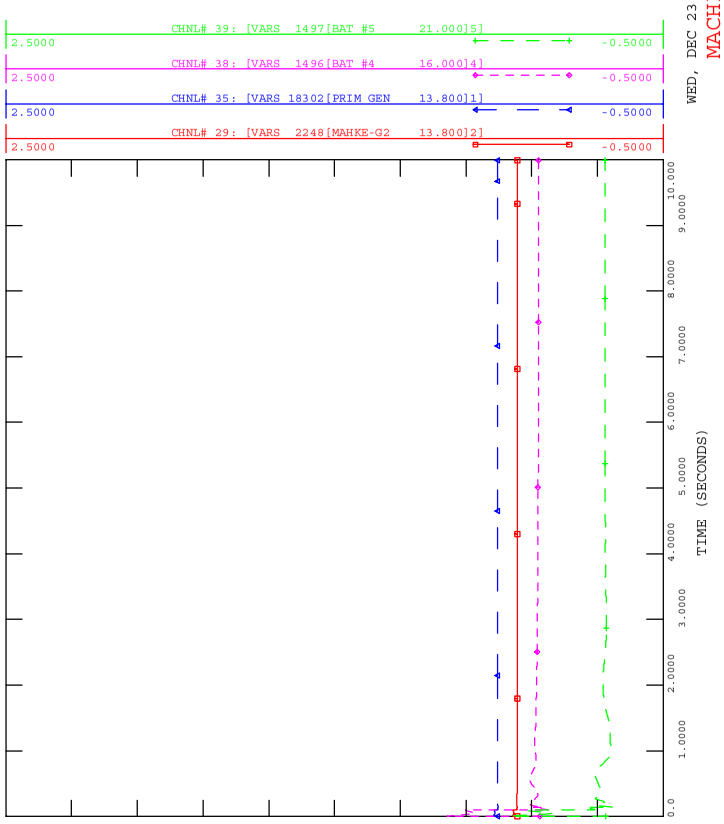


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

MACHINE VARS

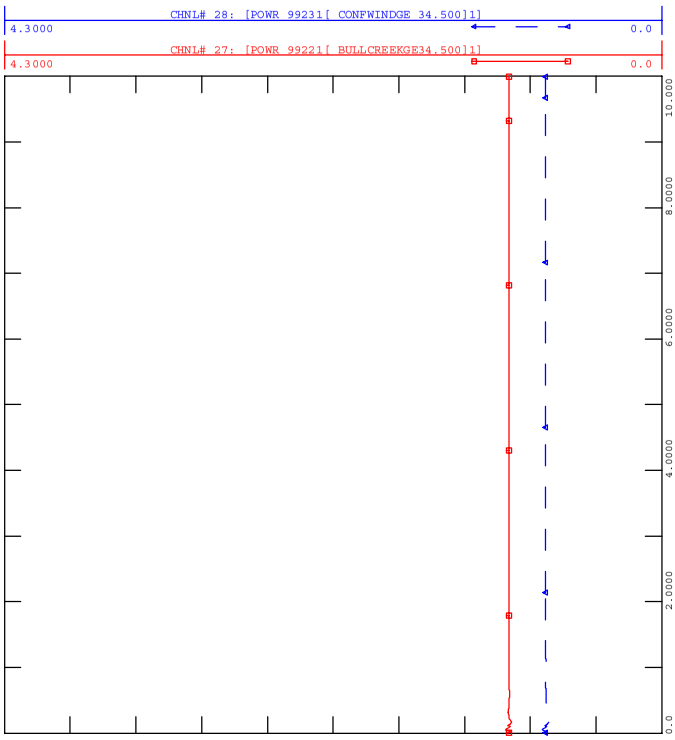


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

WIND MACHINE POWER

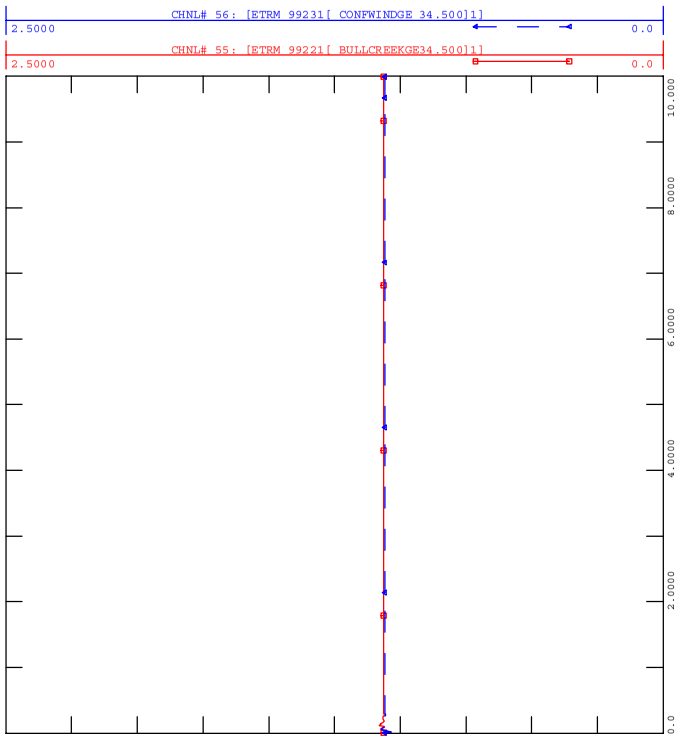


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

WIND MACH. TERMINAL VOLTS

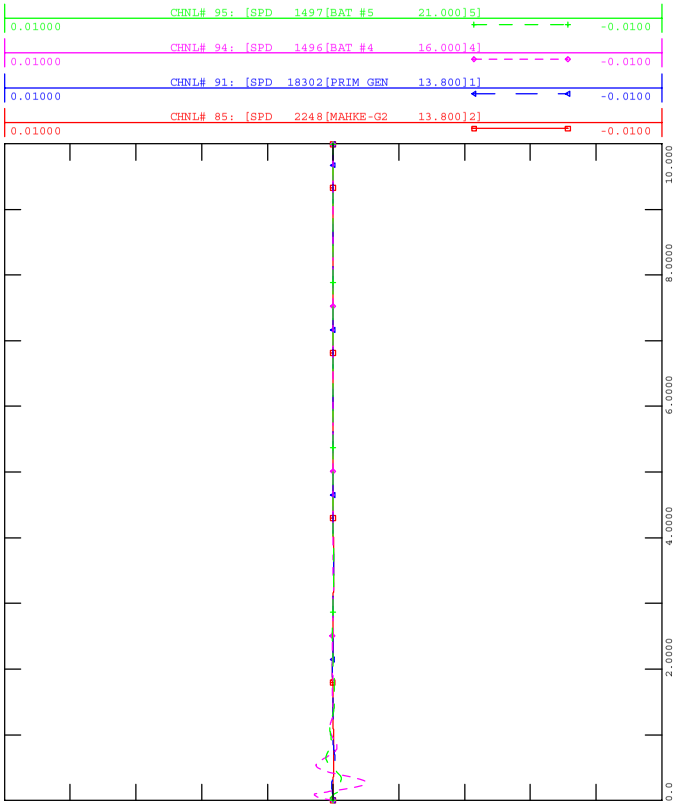


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

WED, DEC 23 2009 15:24

MACHINE SPEED

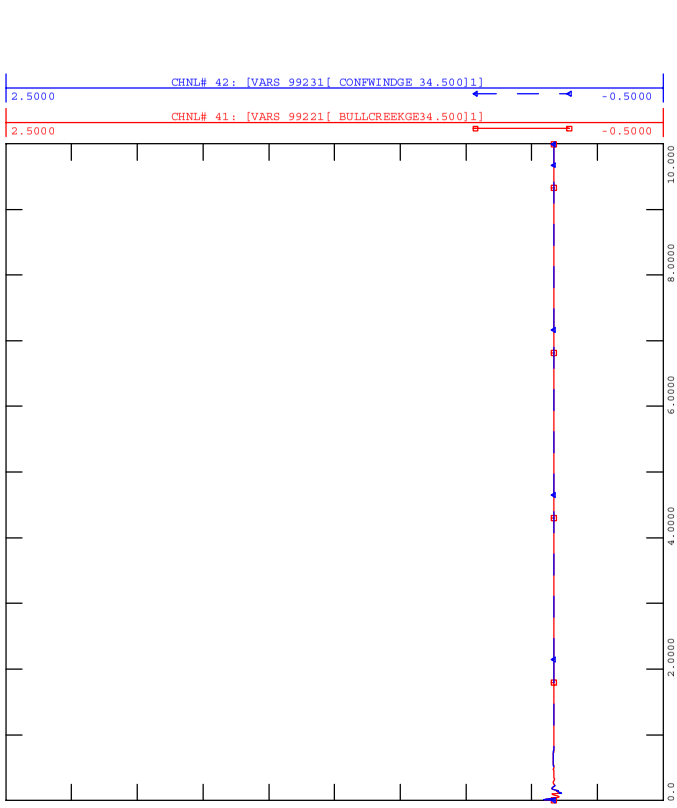


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

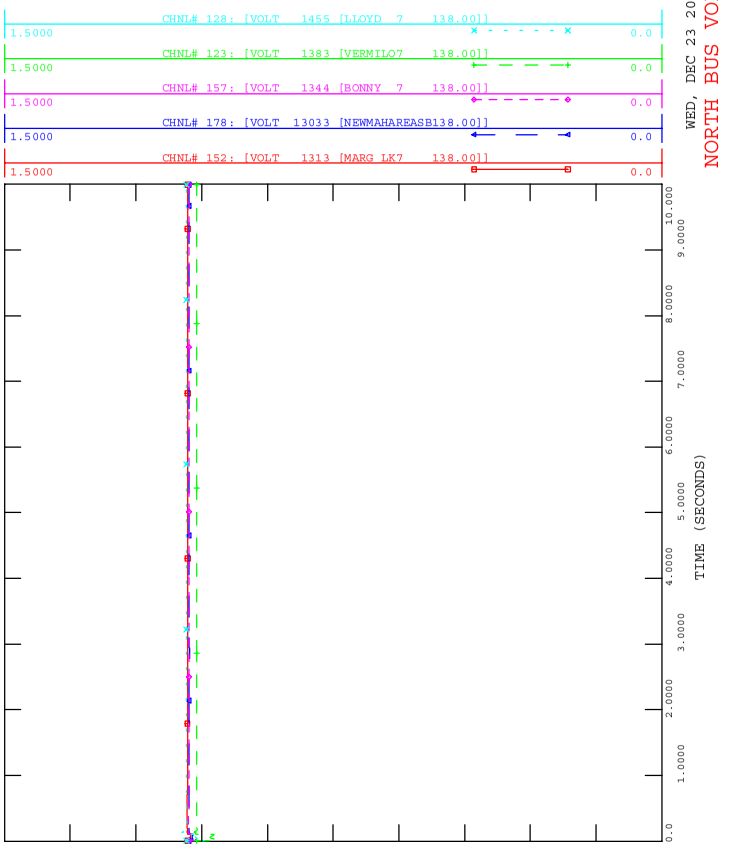
WED, DEC 23 2009 15:24

WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

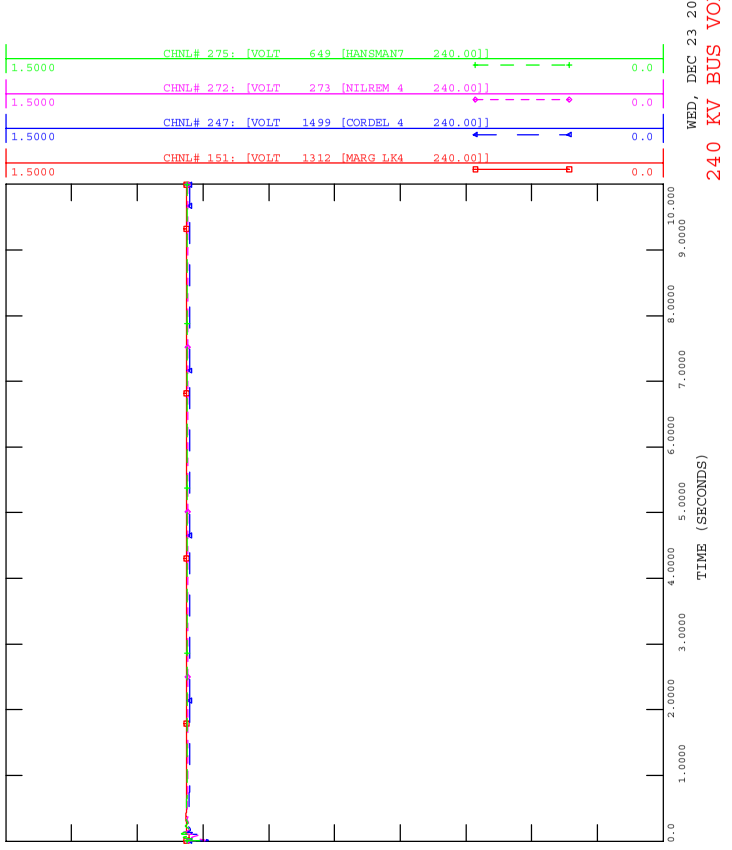


WED, DEC 23 2009 15:24

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

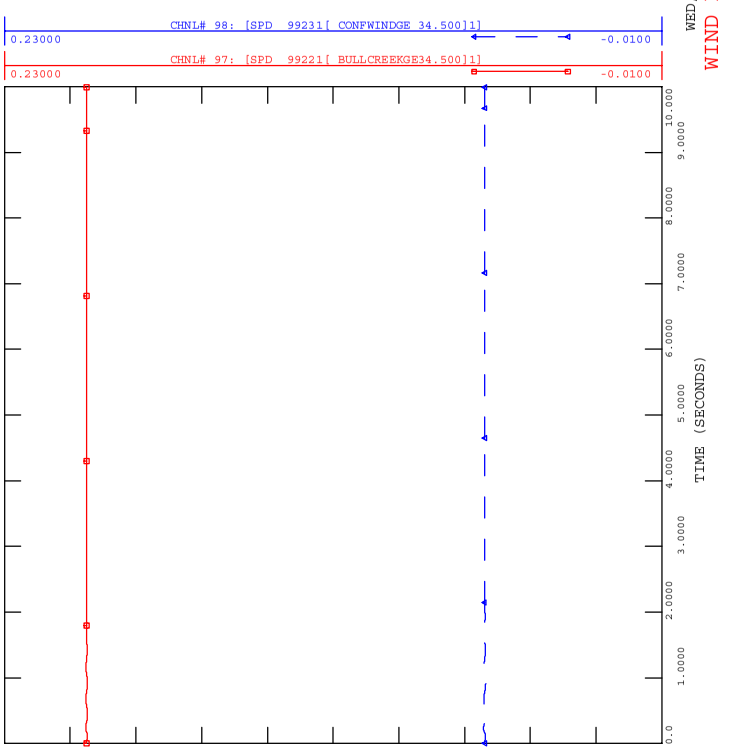


WED, DEC 23 2009 15:24

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

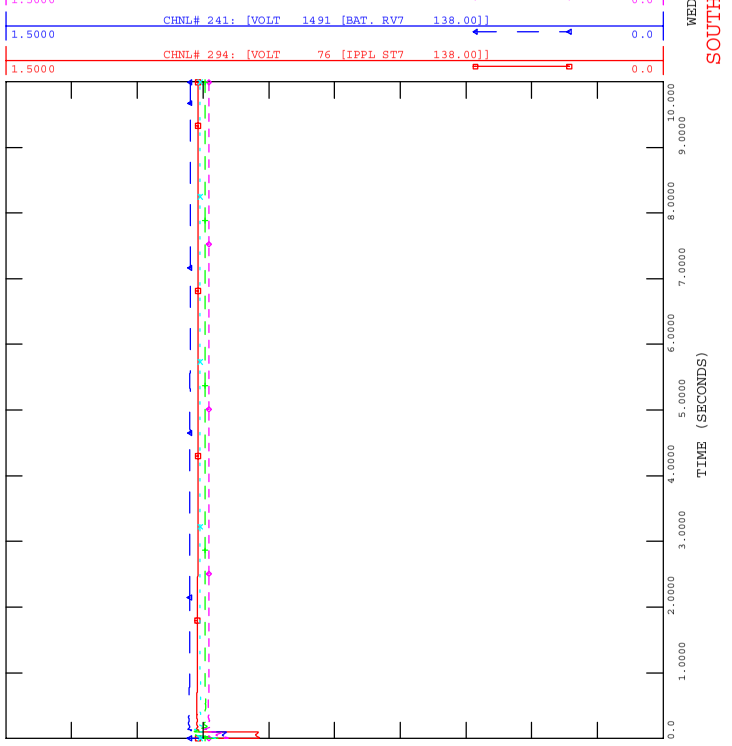


WED, DEC 23 2009 15:24

WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

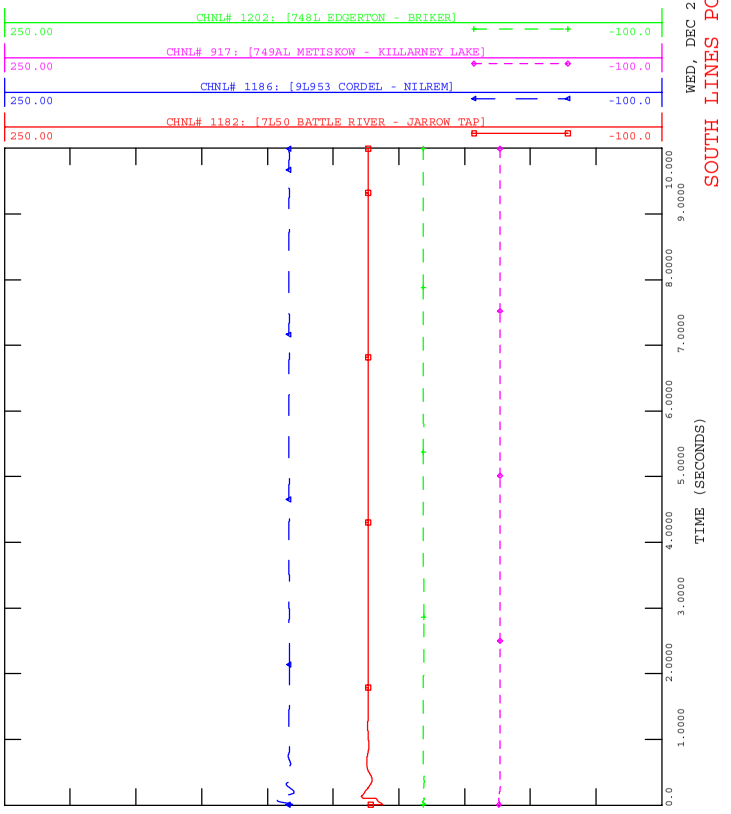


WED, DEC 23 2009 15:24

SOUTH BUS VOLTAGES

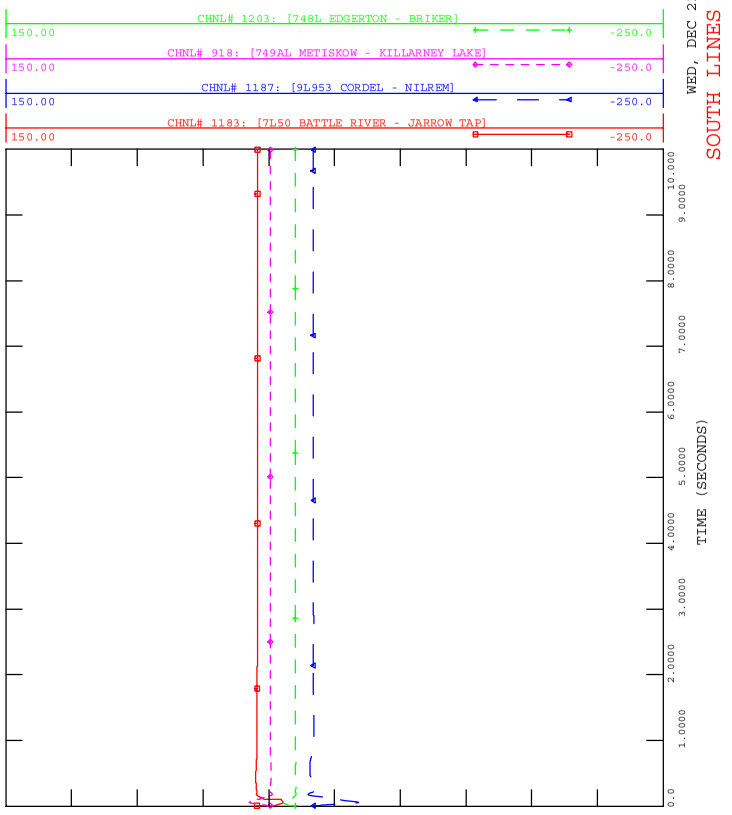
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out



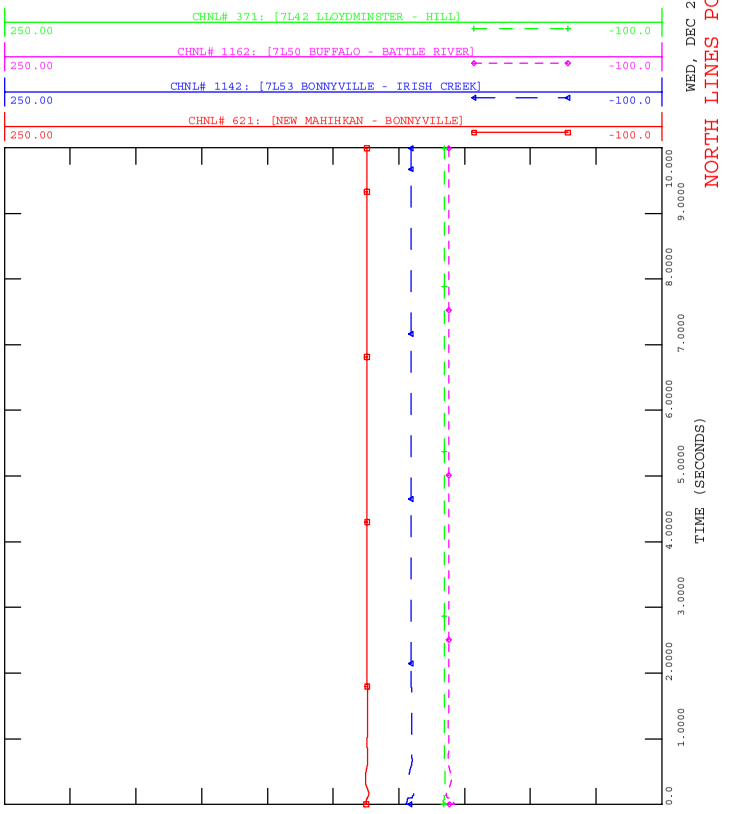
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out



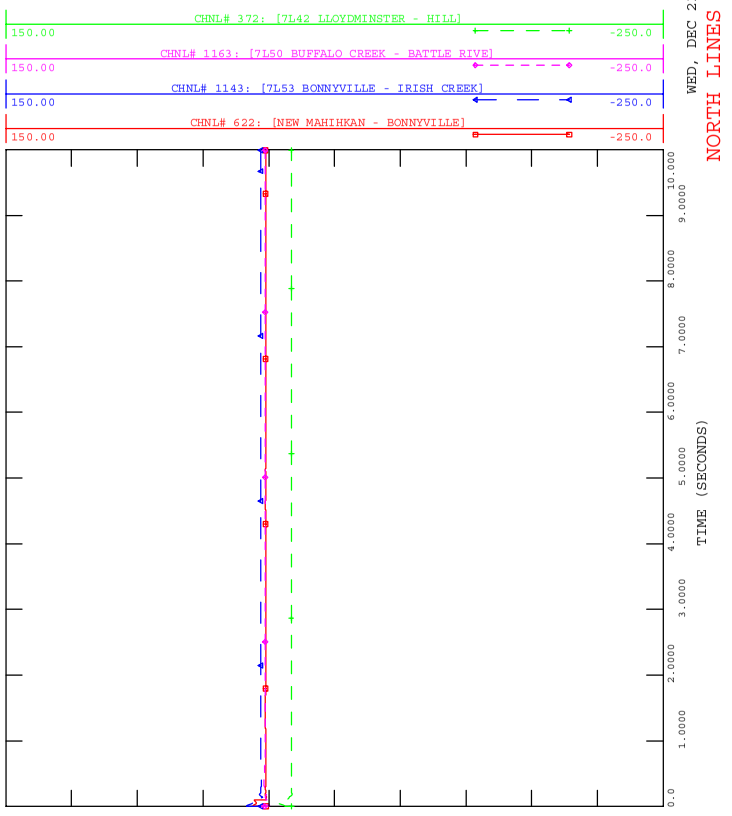
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out



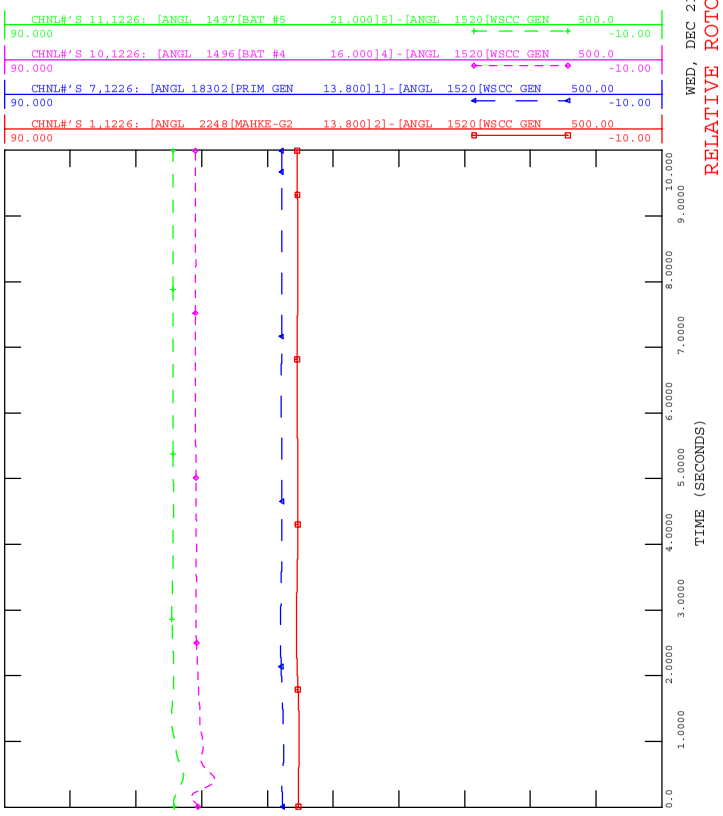
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

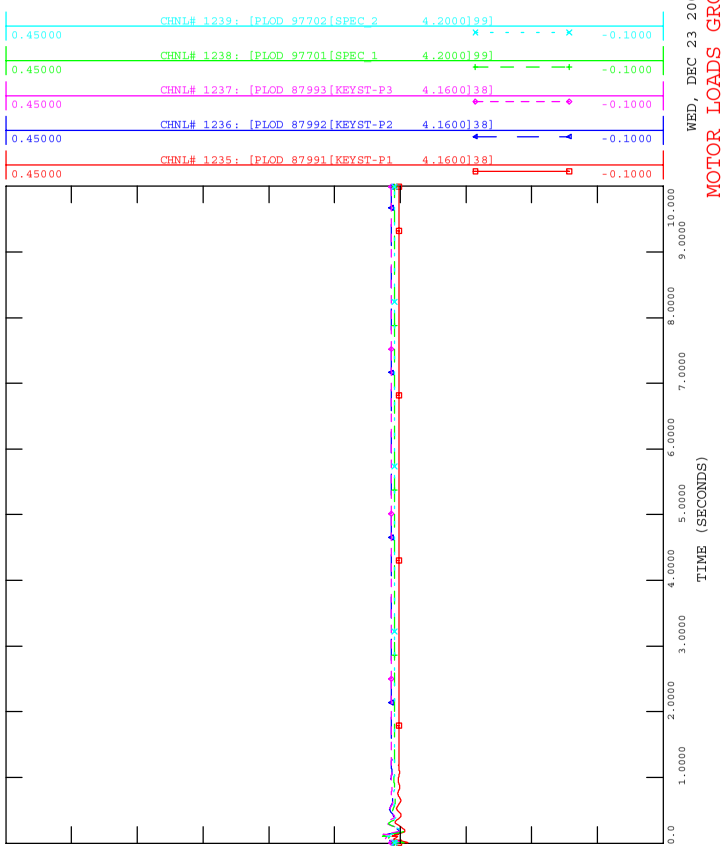


WED, DEC 23 2009 15:24

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

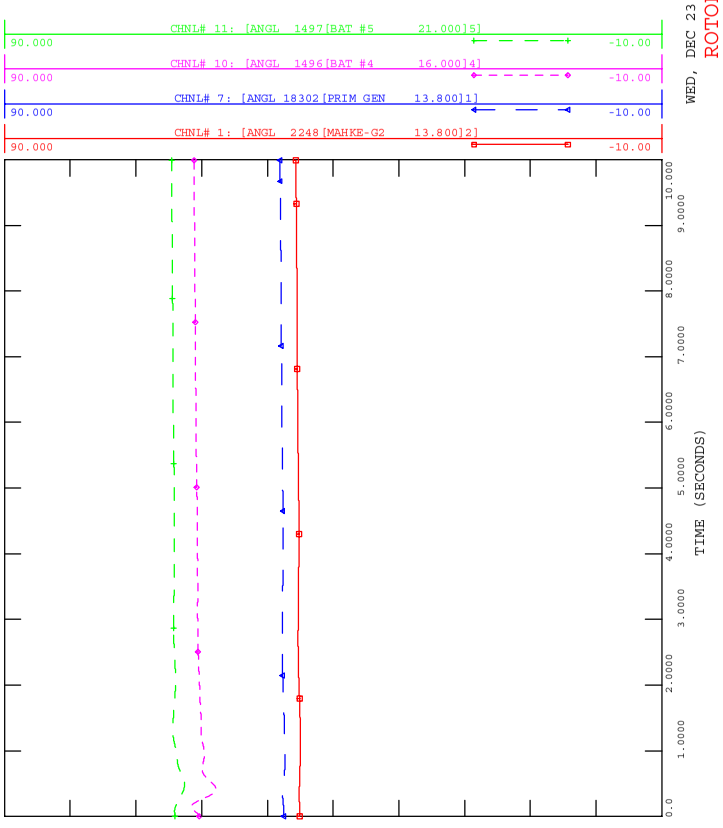


WED, DEC 23 2009 15:24

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out

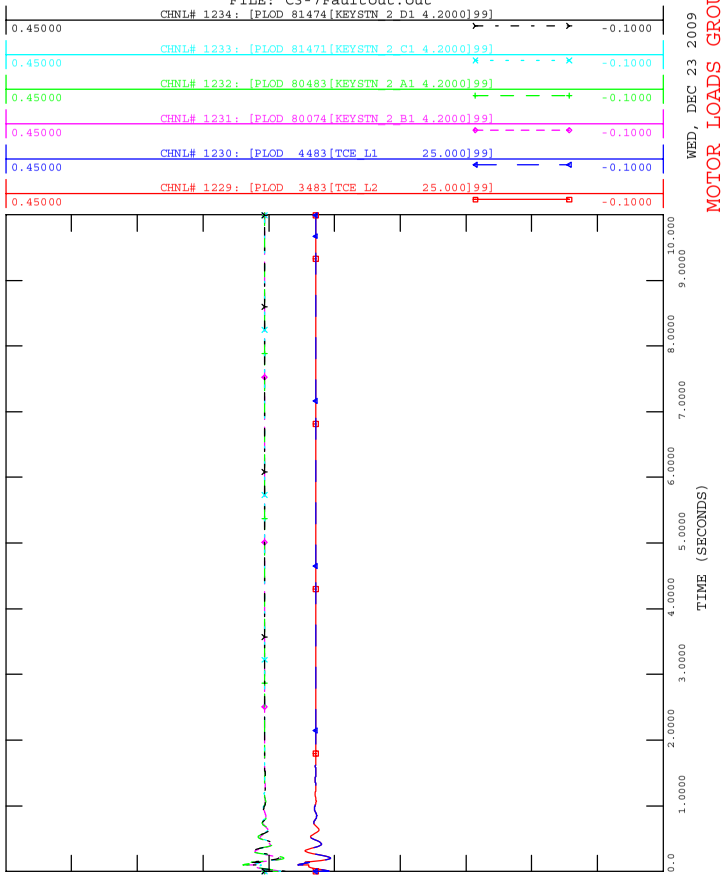


WED, DEC 23 2009 15:24

ROTOR ANGLES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-7Faultout.out



WED, DEC 23 2009 15:24

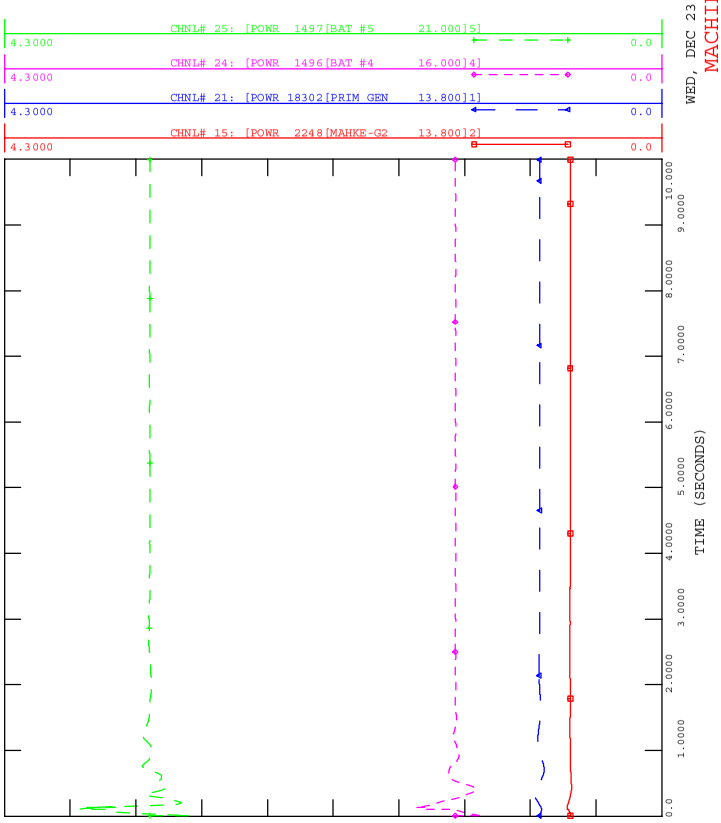
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

MACHINE POWER

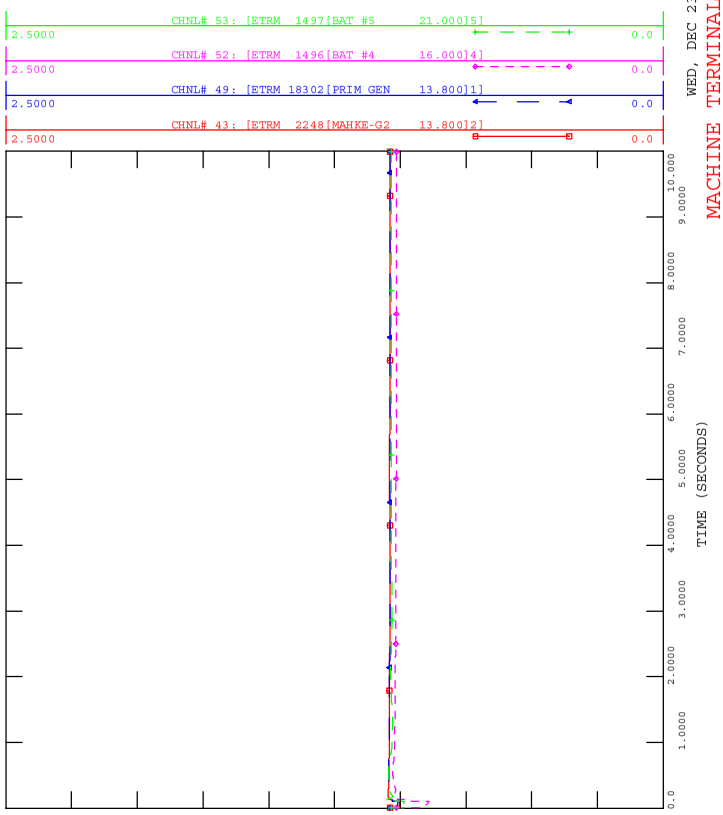


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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MACHINE TERMINAL VOLTAGE

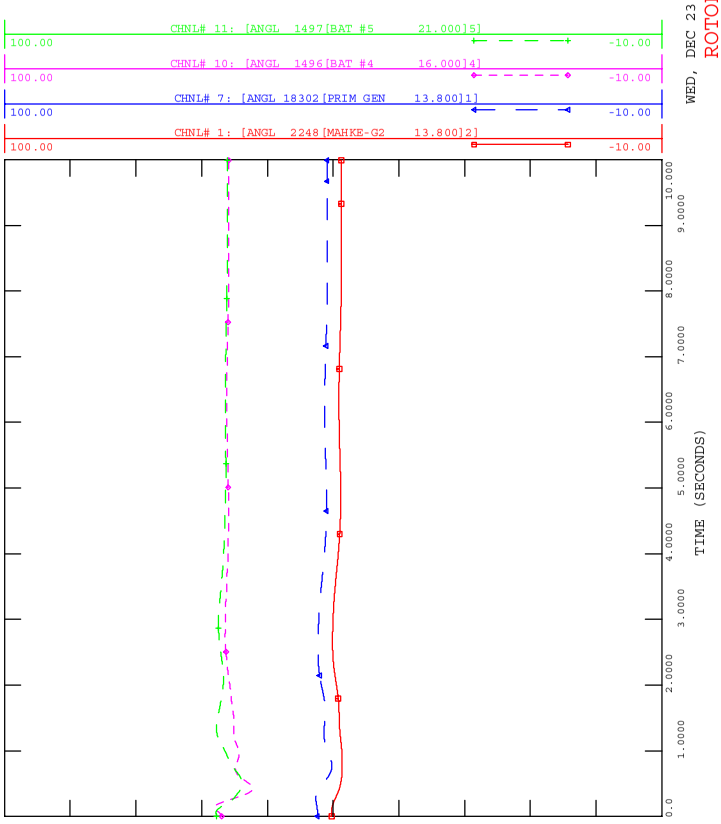


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

ROTOR ANGLES

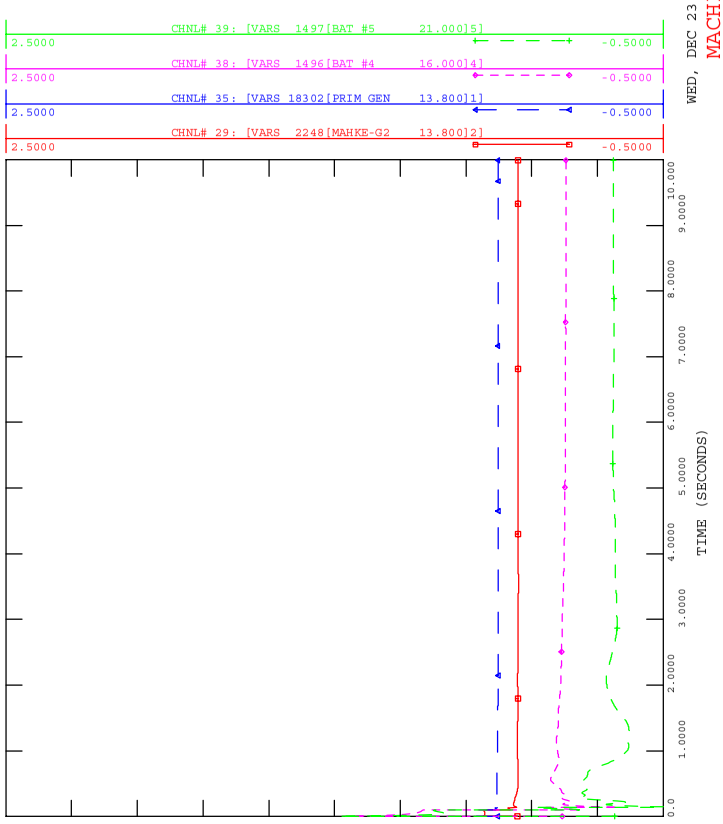


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

MACHINE VARS

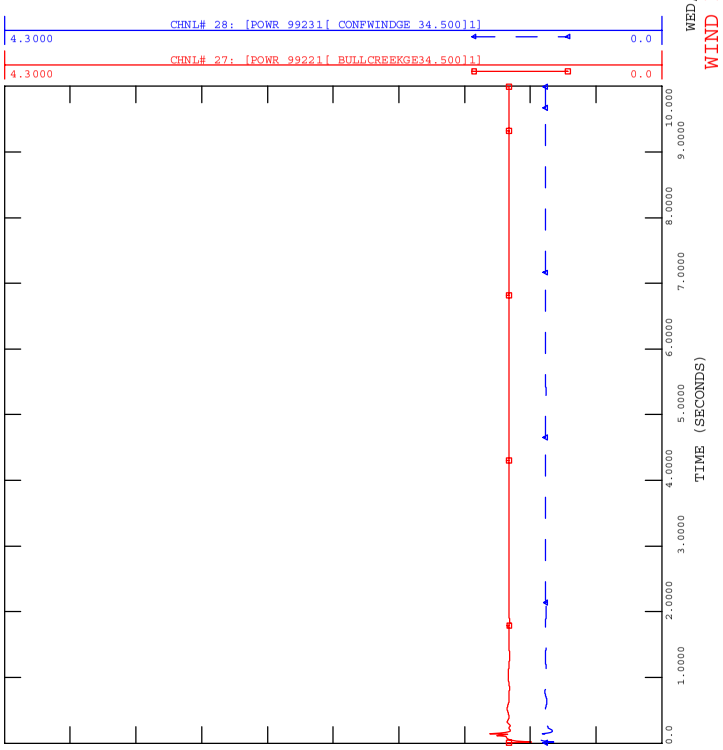


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

WIND MACHINE POWER

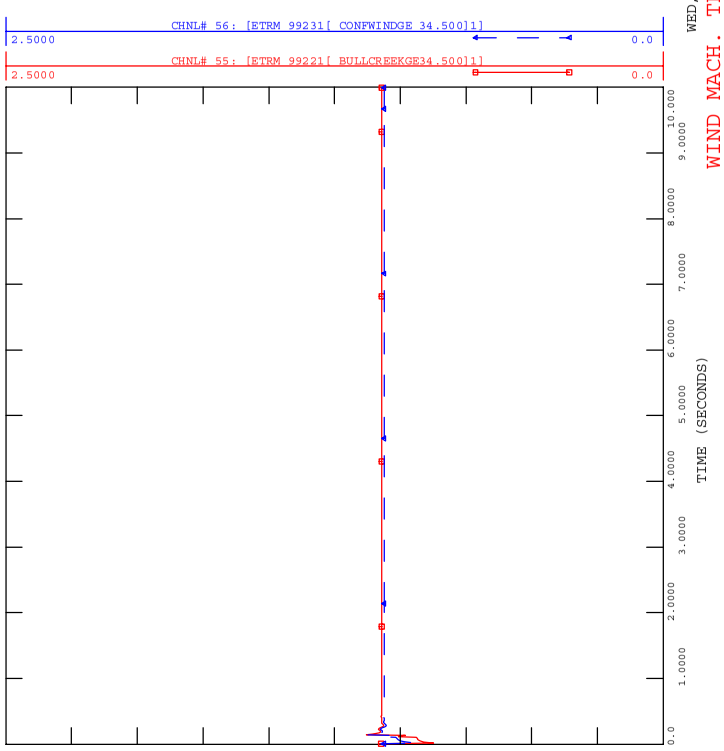


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

WIND MACH. TERMINAL VOLTS

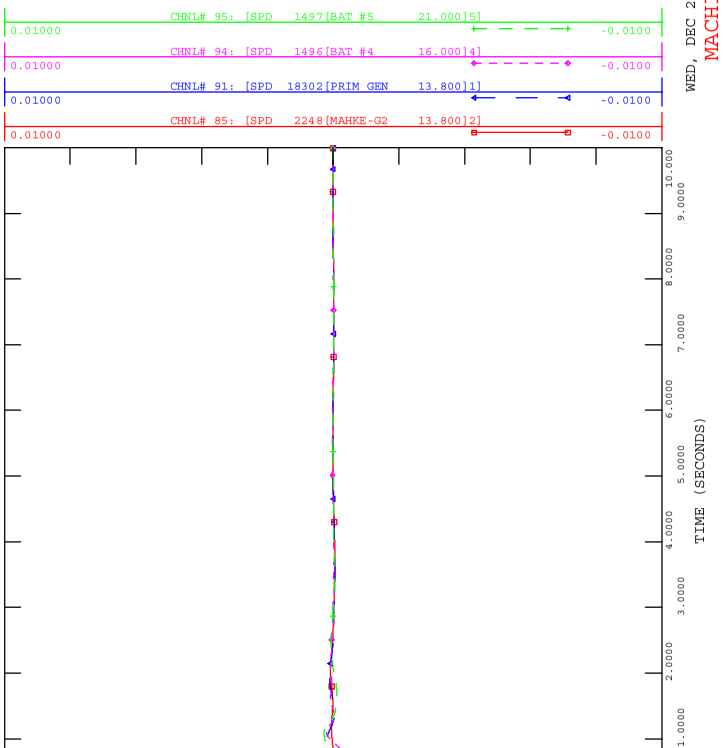


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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MACHINE SPEED

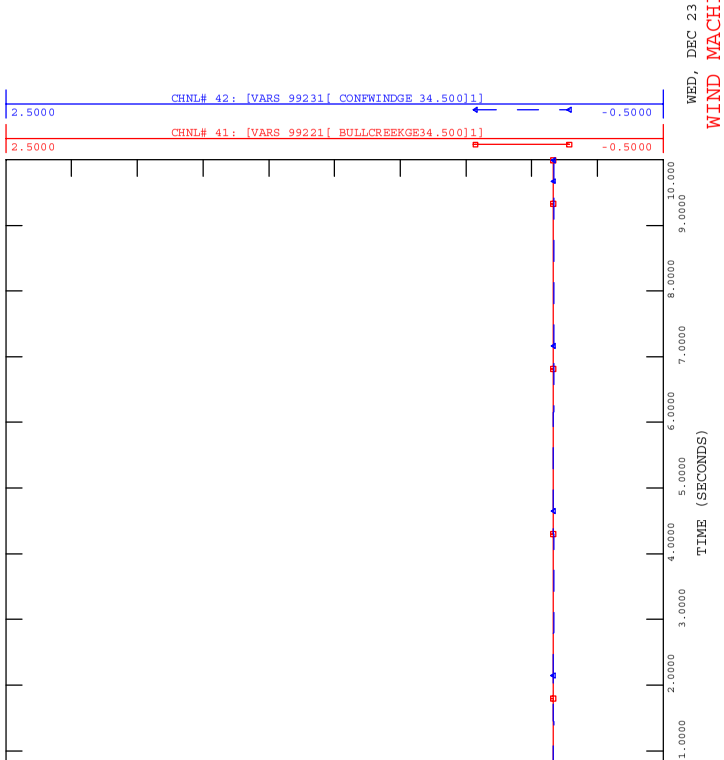


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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WIND MACHINE VARS

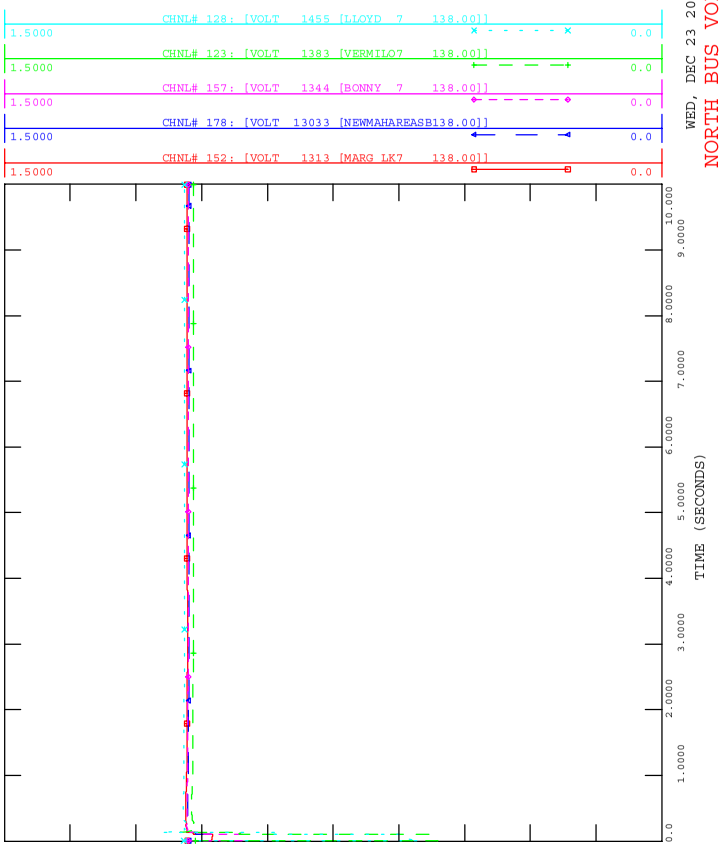


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

NORTH BUS VOLTAGES

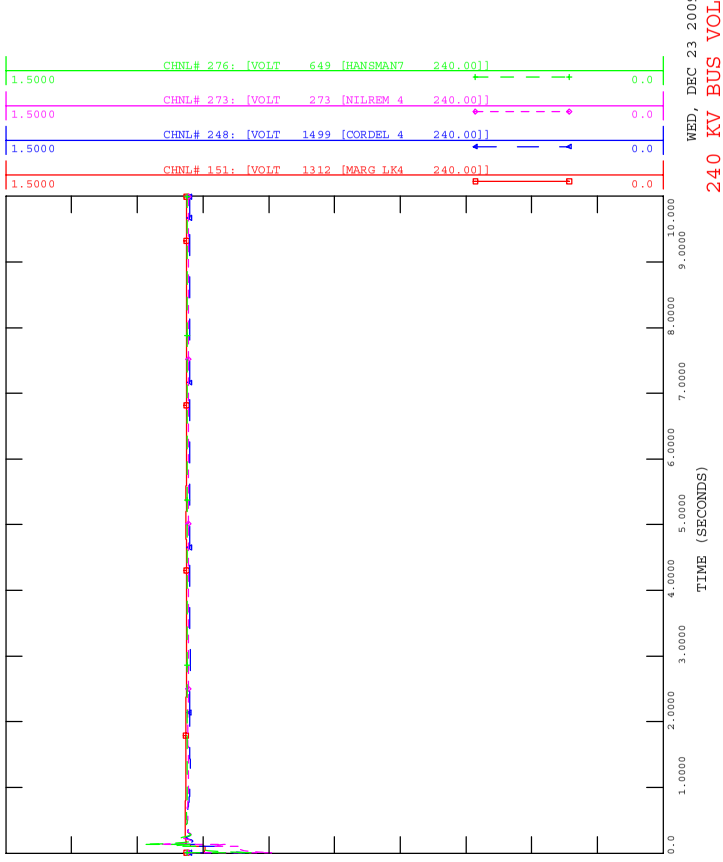


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

WED, DEC 23 2009 14:05

240 KV BUS VOLTAGES

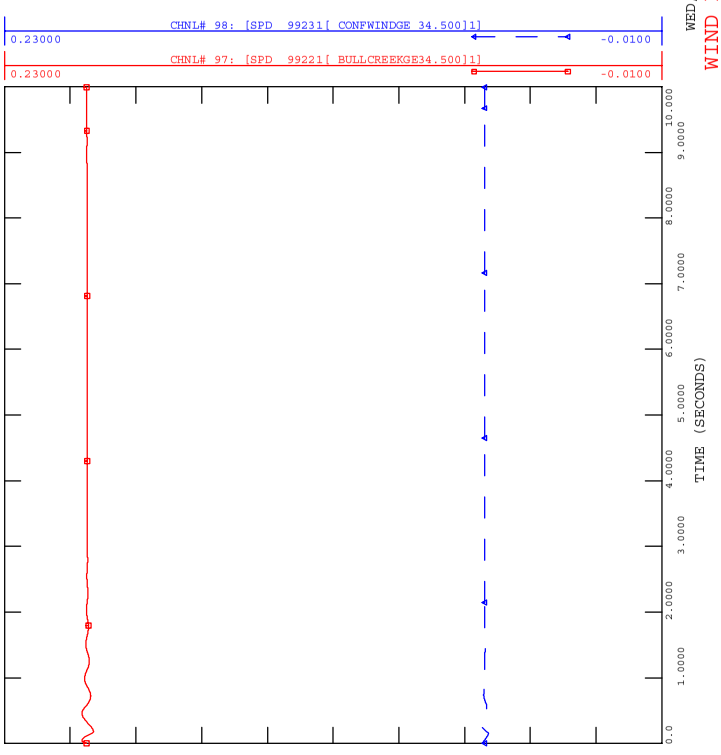


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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WIND MACHINE SPEED

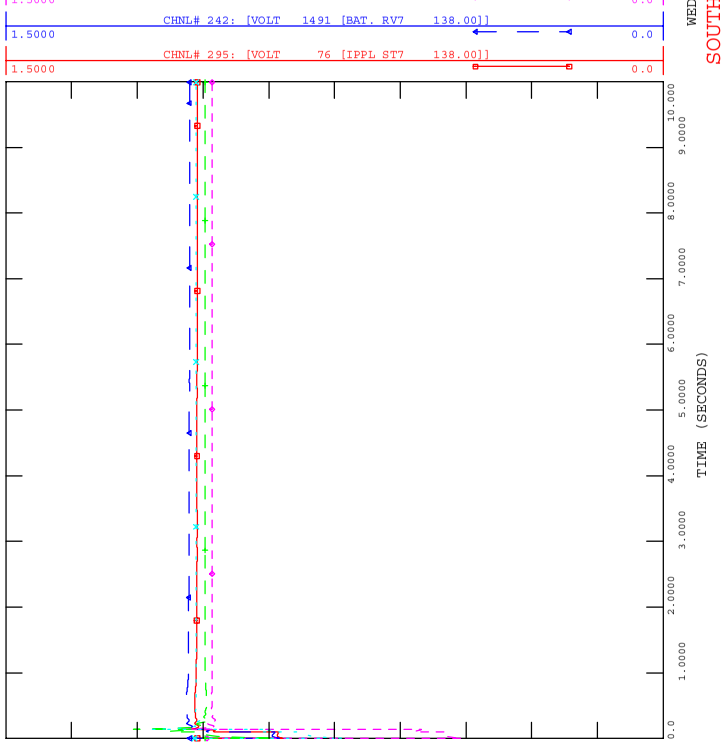


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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SOUTH BUS VOLTAGES

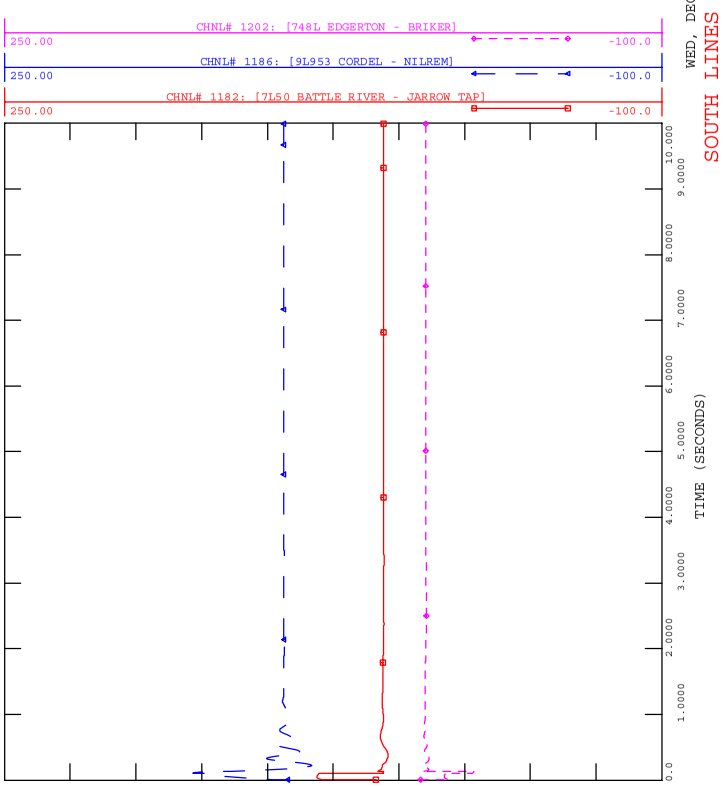


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

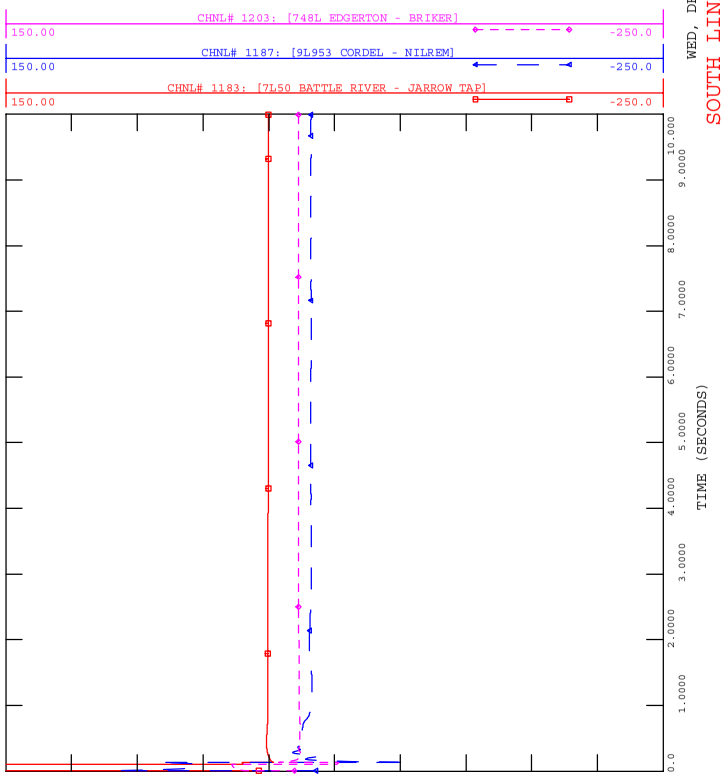


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES VAR FLOW

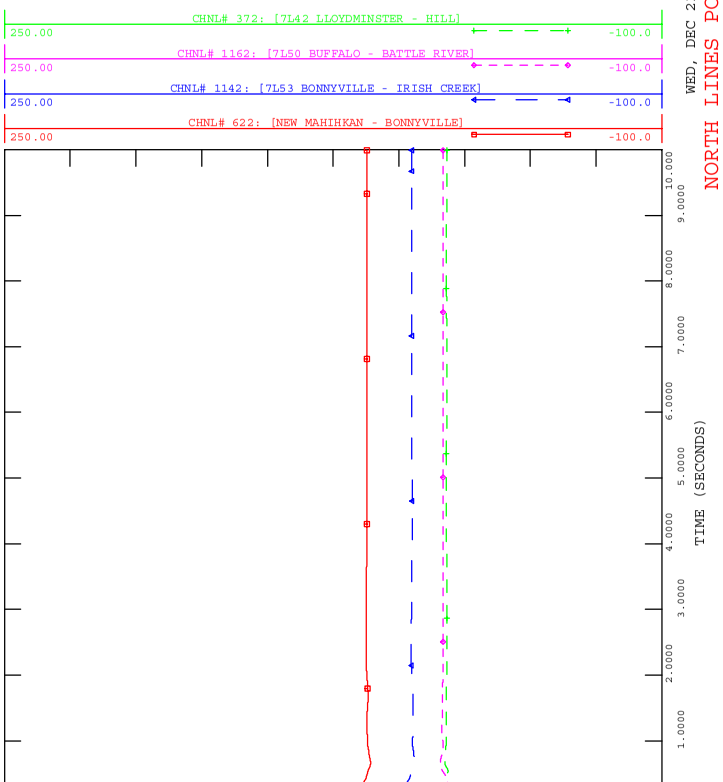


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

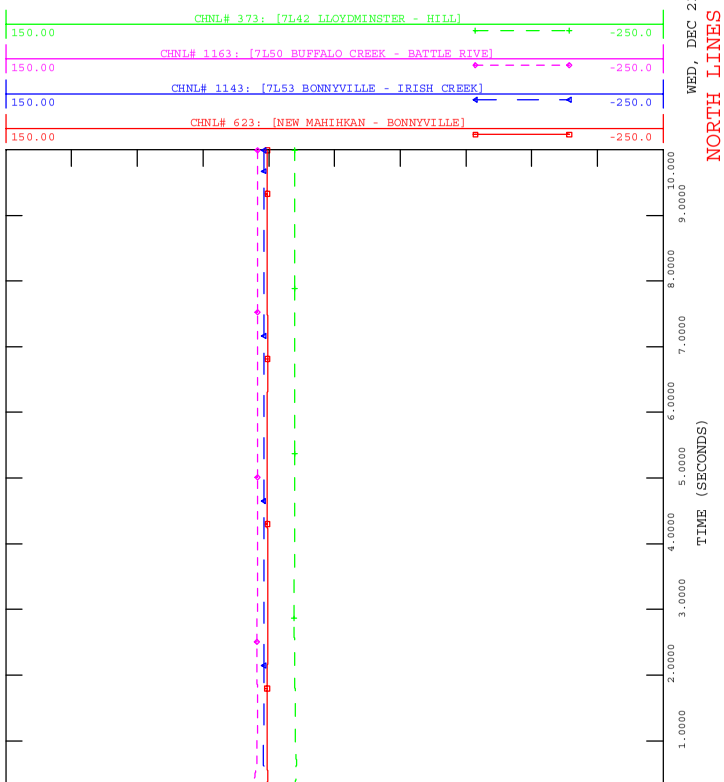


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

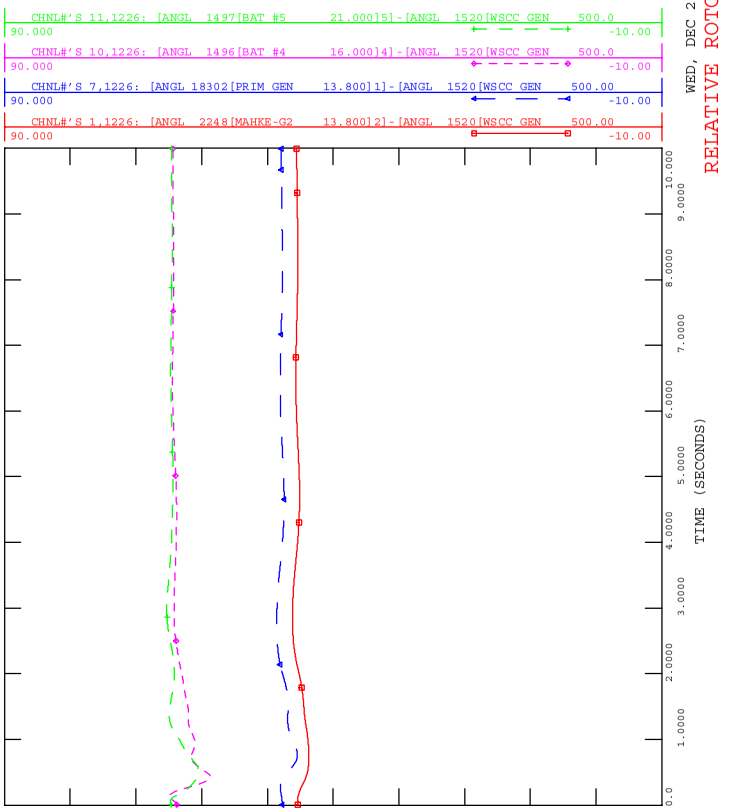


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

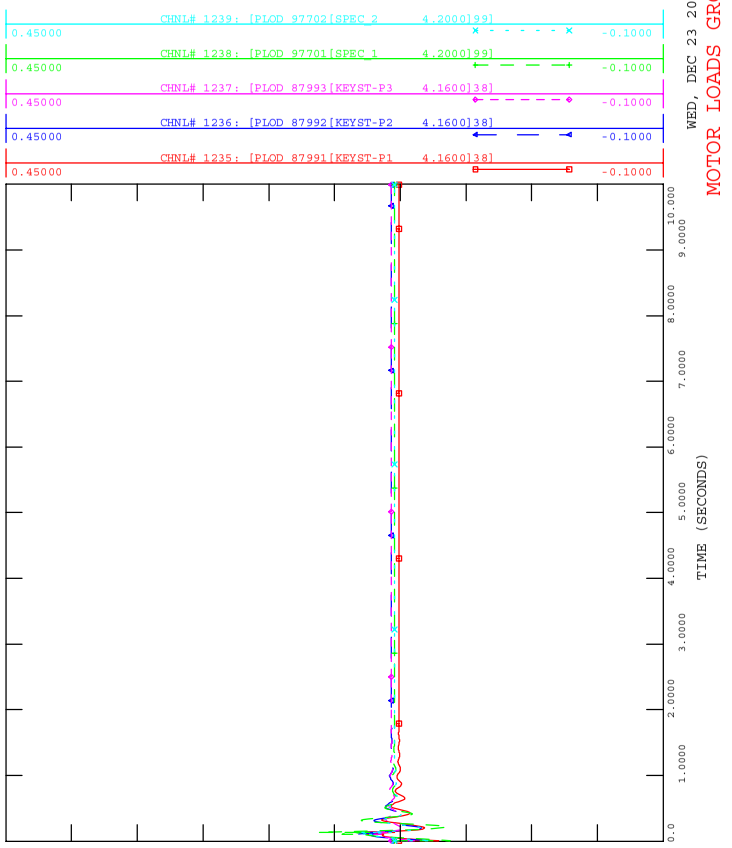


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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MOTOR LOADS GROUP II

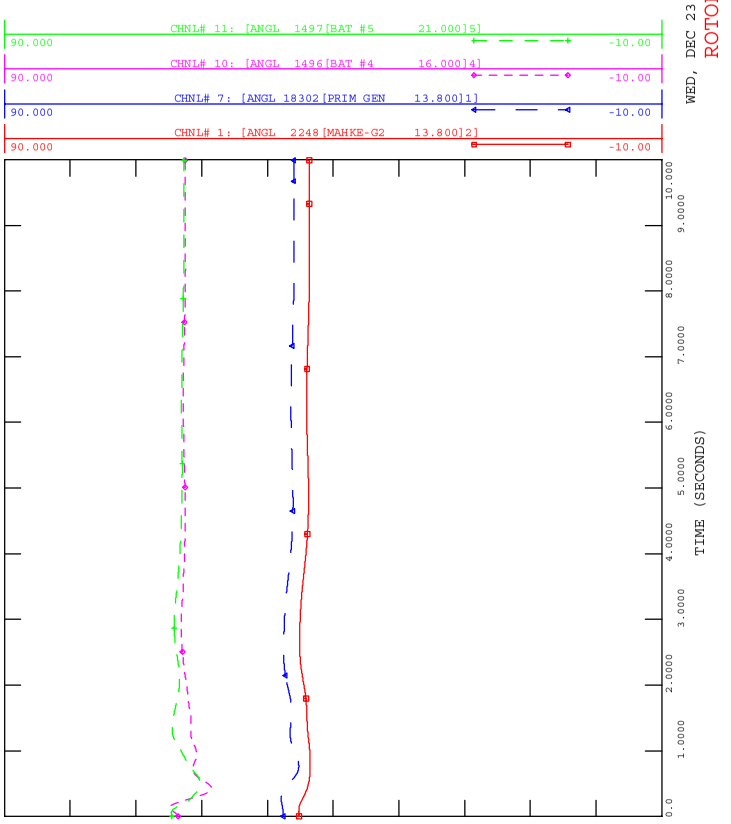


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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ROTOR ANGLES

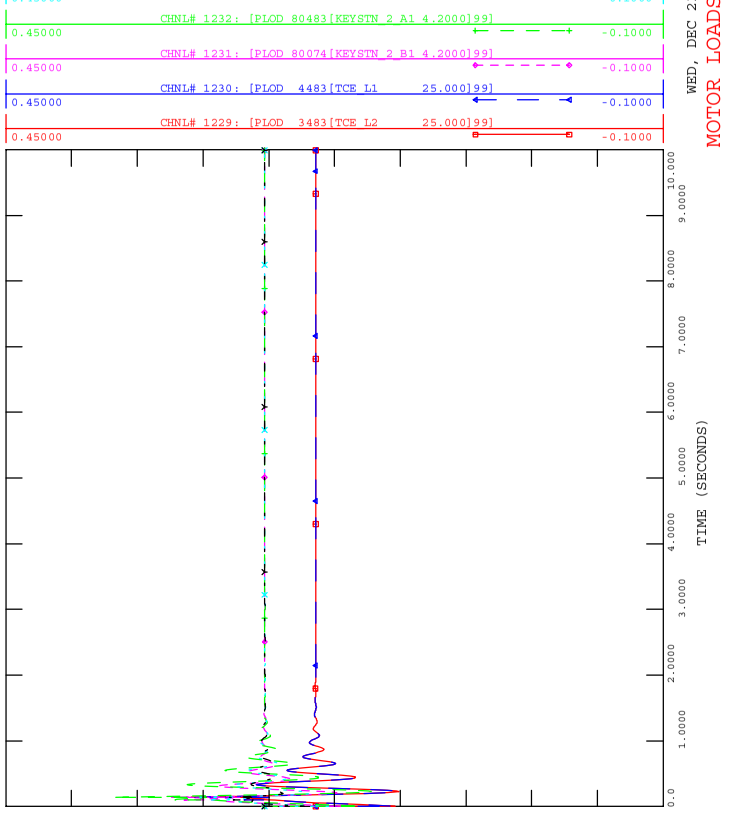


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-8Faultout.out

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MOTOR LOADS GROUP I

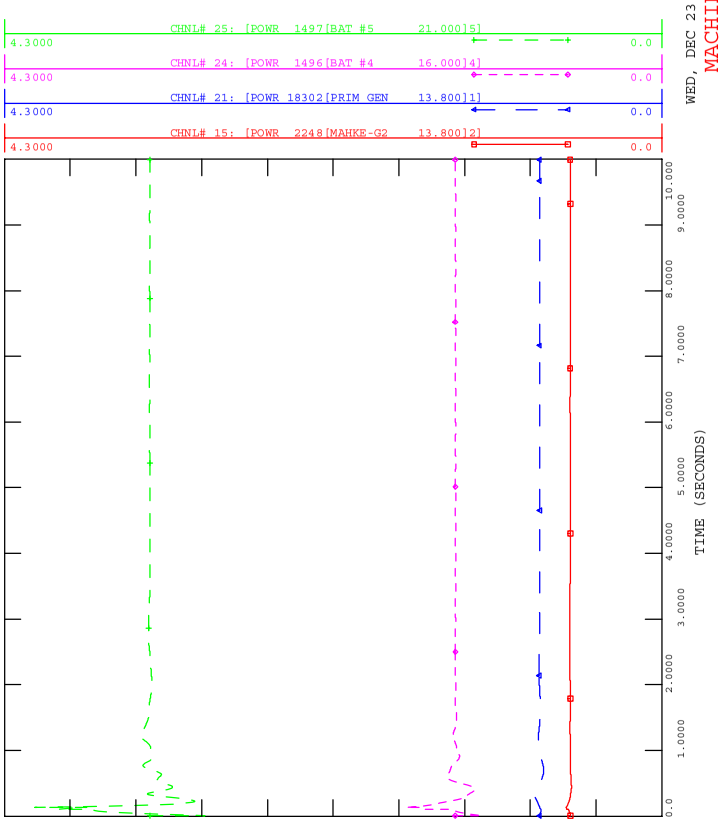


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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MACHINE POWER

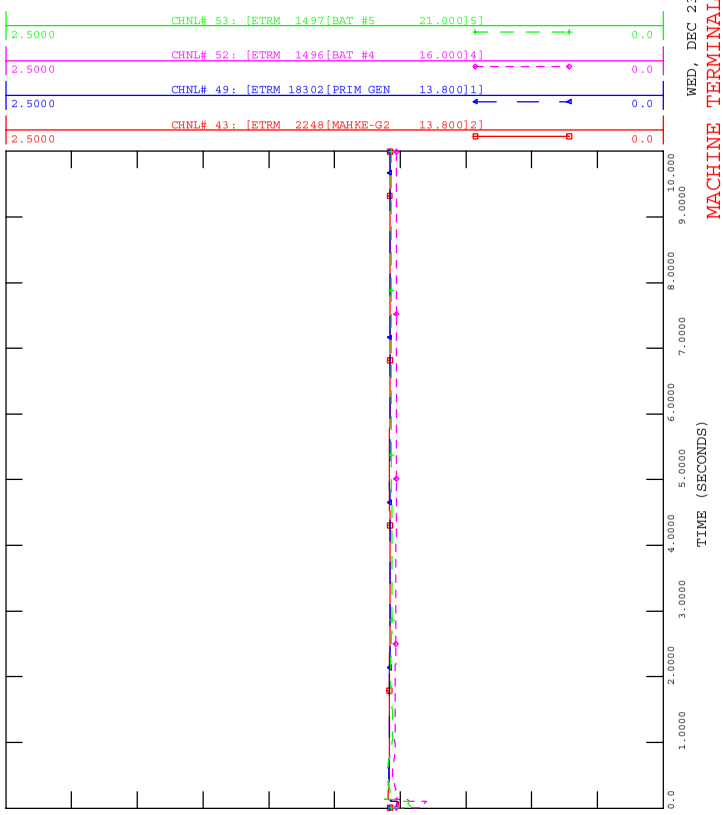


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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MACHINE TERMINAL VOLTAGE

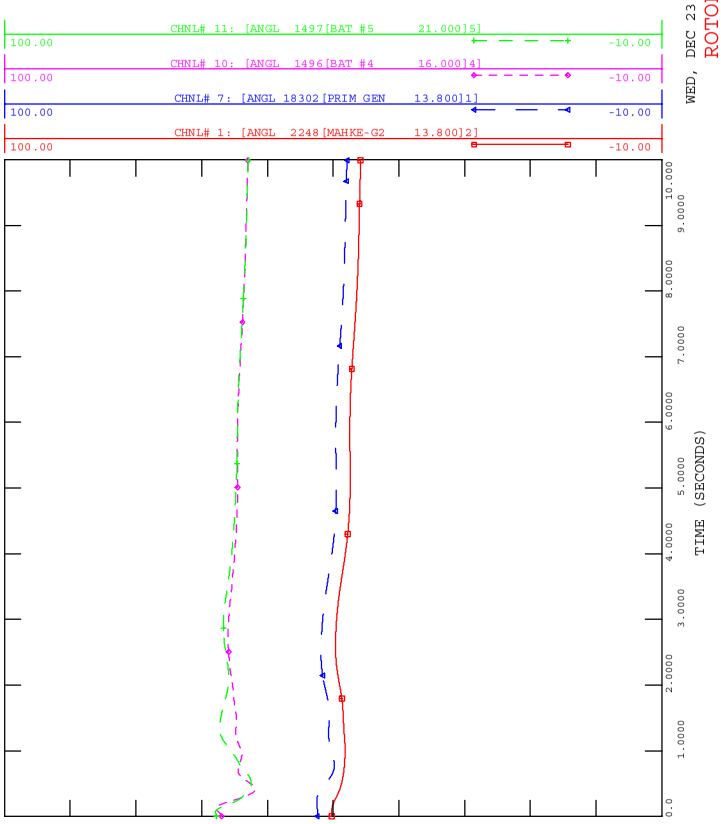


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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ROTOR ANGLES

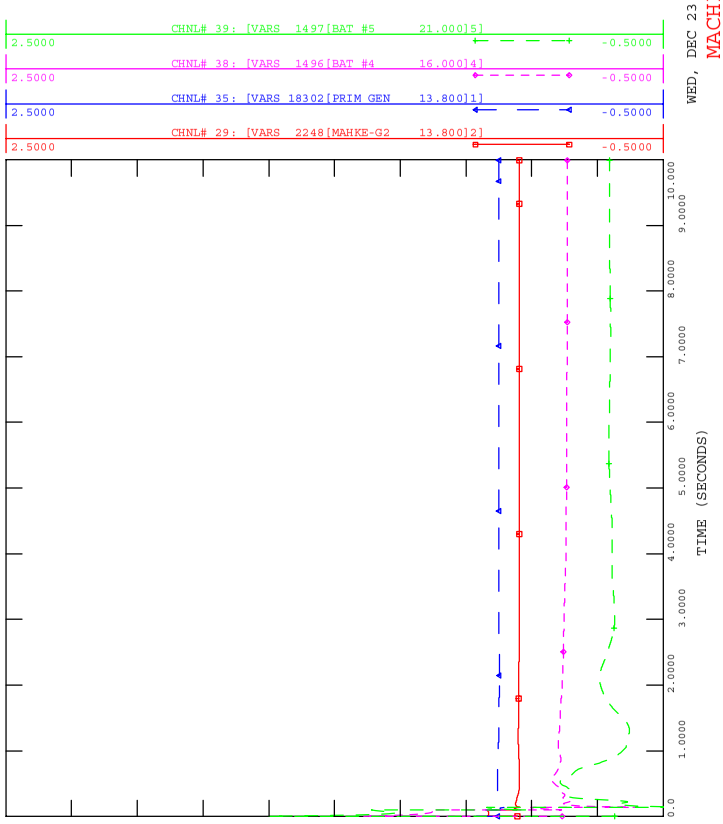


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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MACHINE VARS

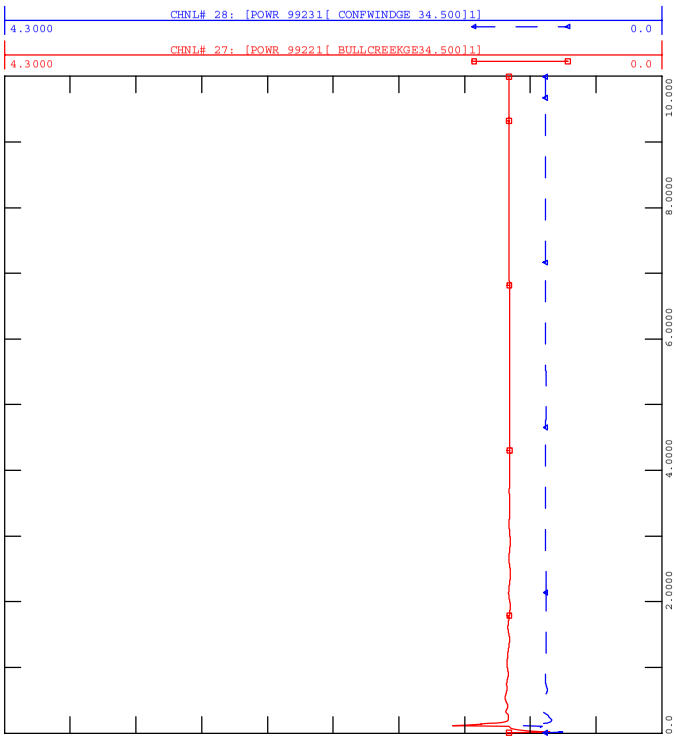


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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WIND MACHINE POWER

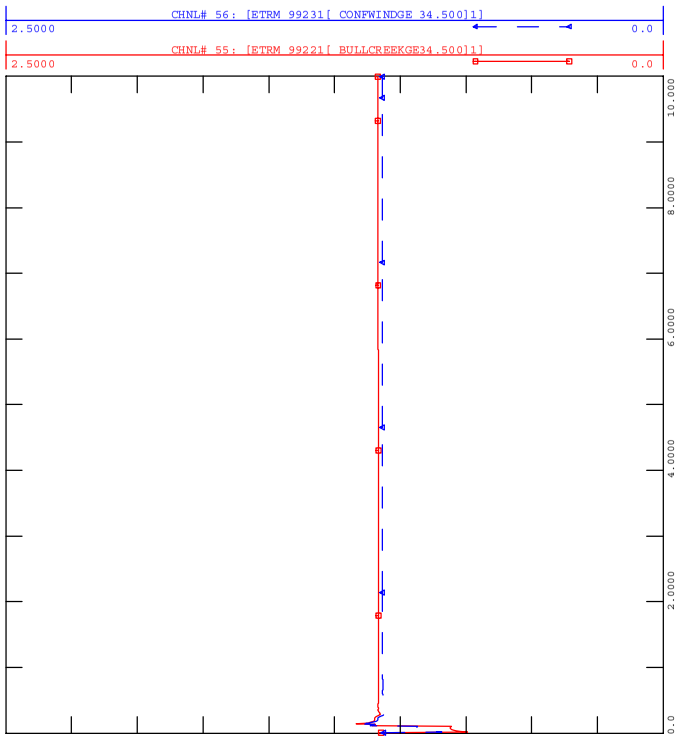


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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WIND MACH. TERMINAL VOLTS

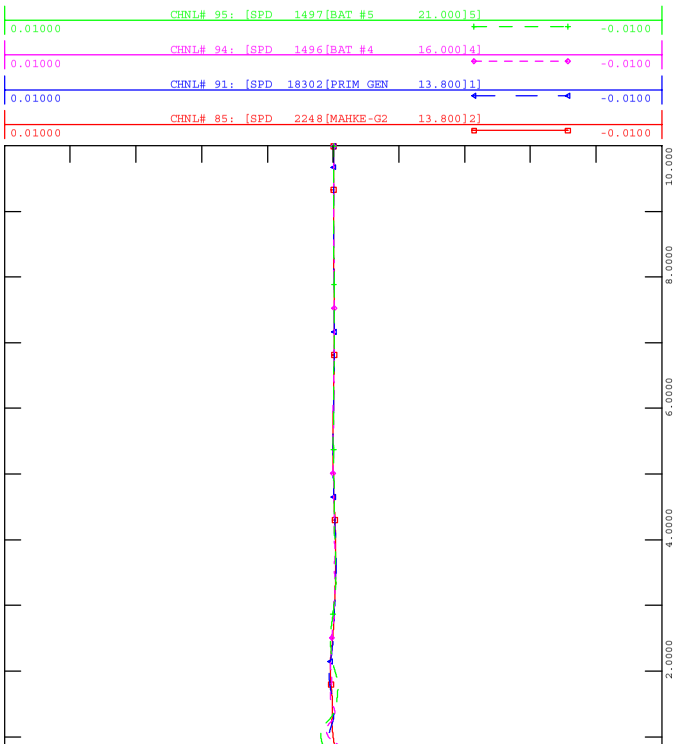


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

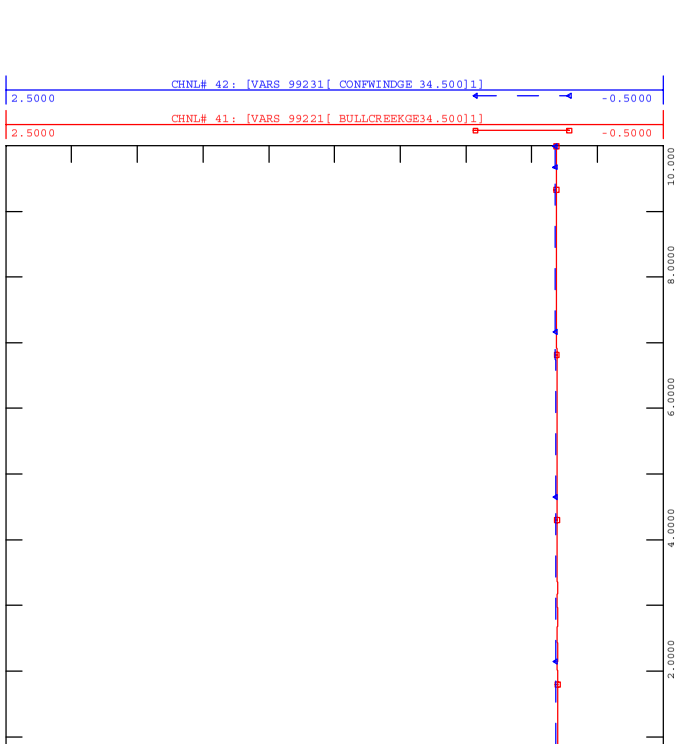


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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WIND MACHINE VARS

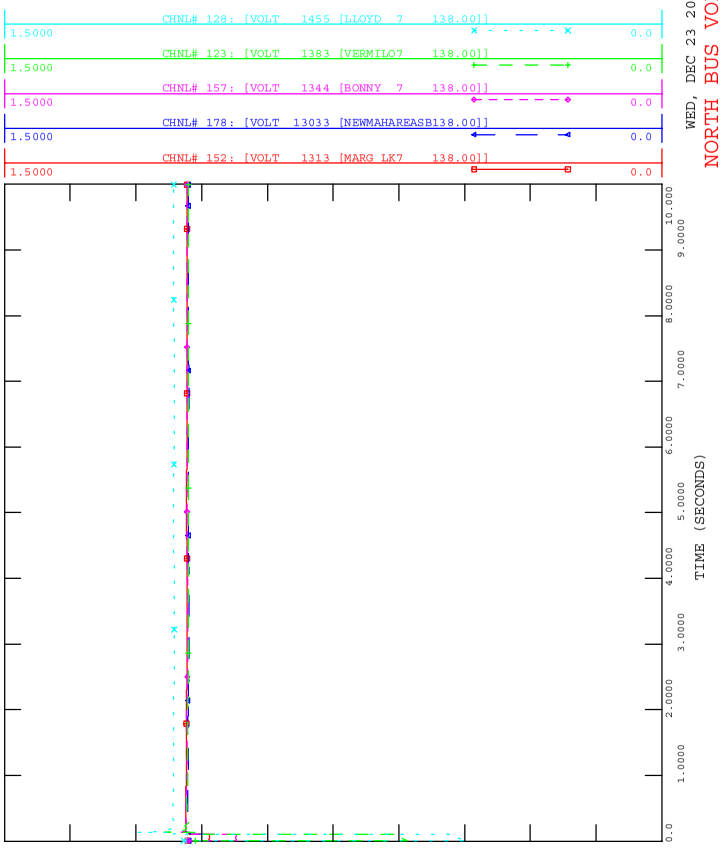


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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NORTH BUS VOLTAGES

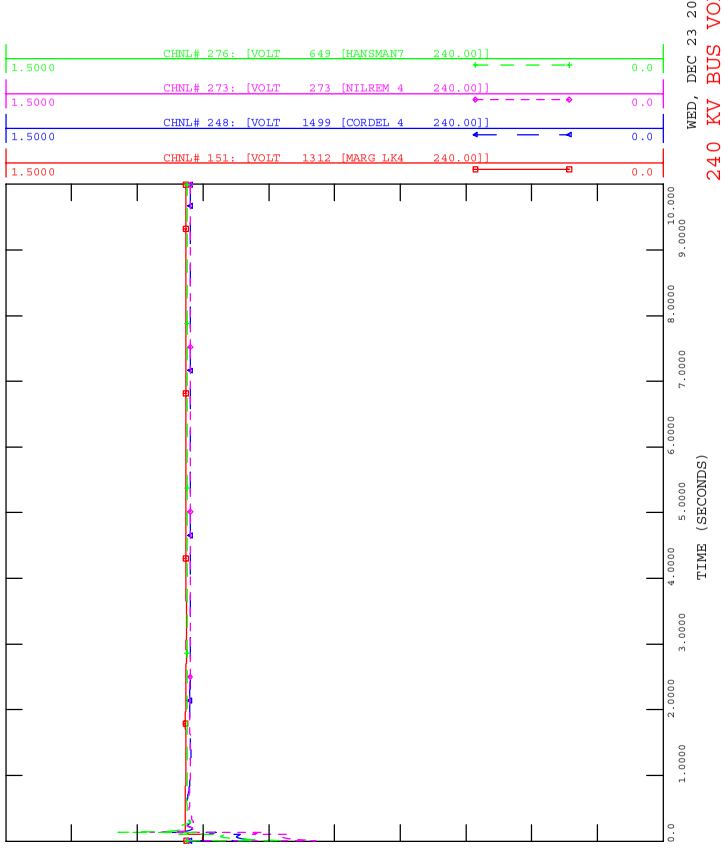


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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240 KV BUS VOLTAGES

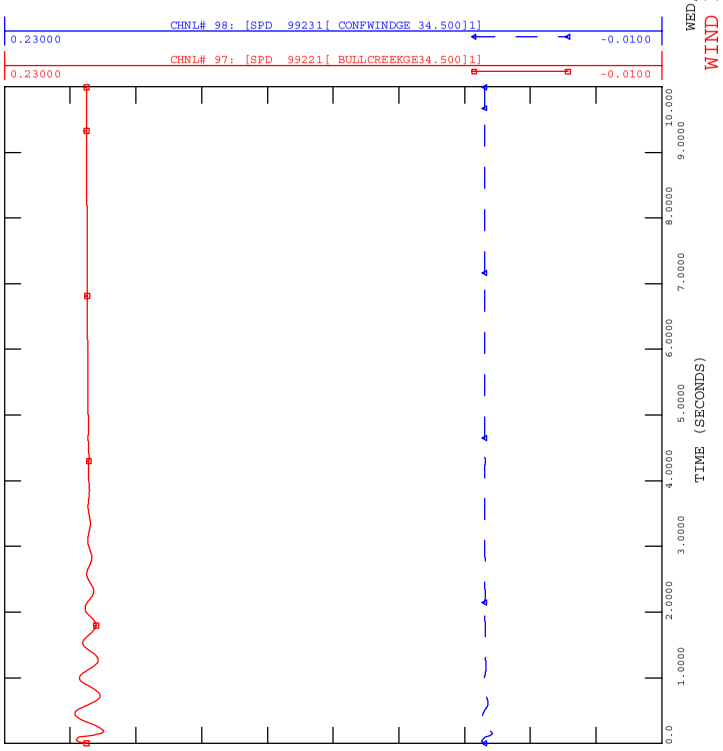


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

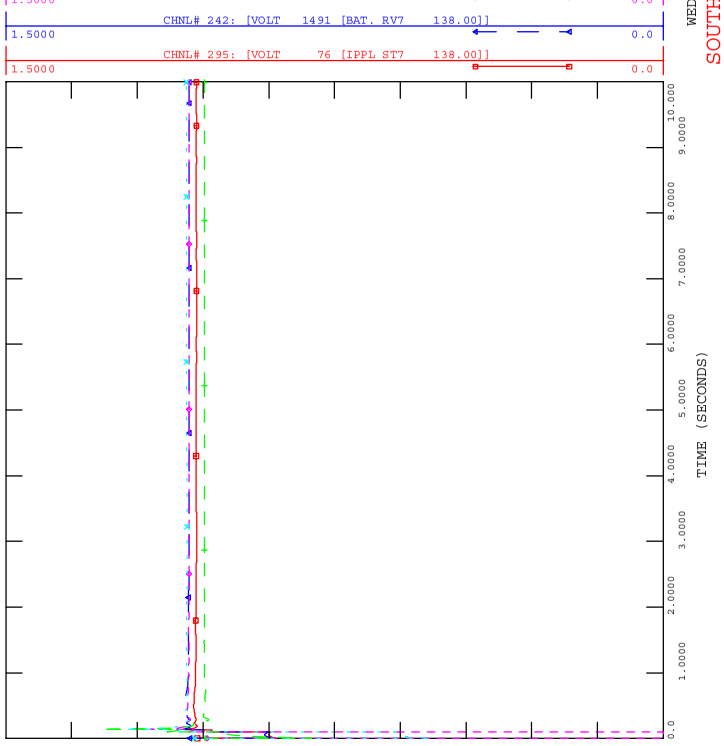


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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SOUTH BUS VOLTAGES

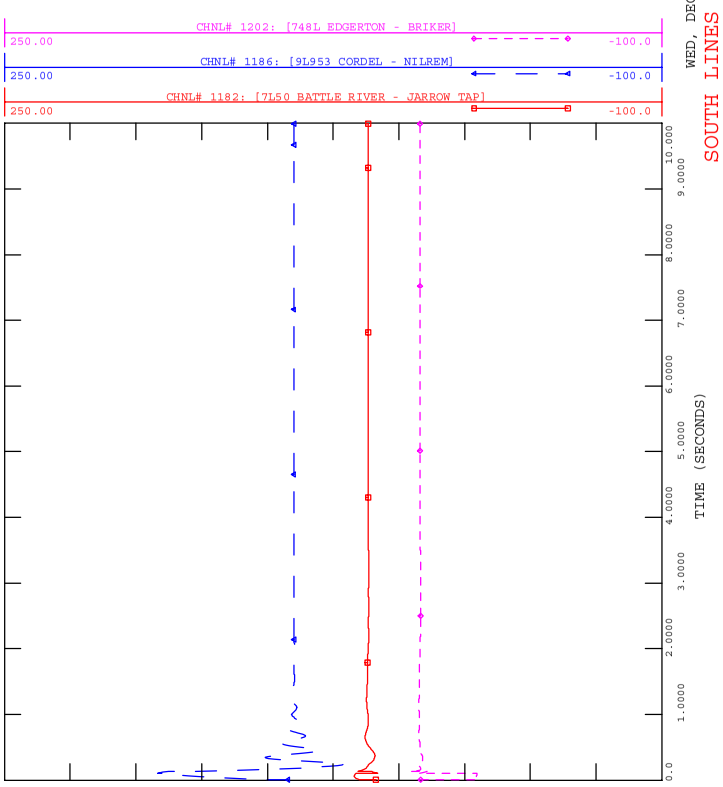


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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SOUTH LINES POWER FLOW

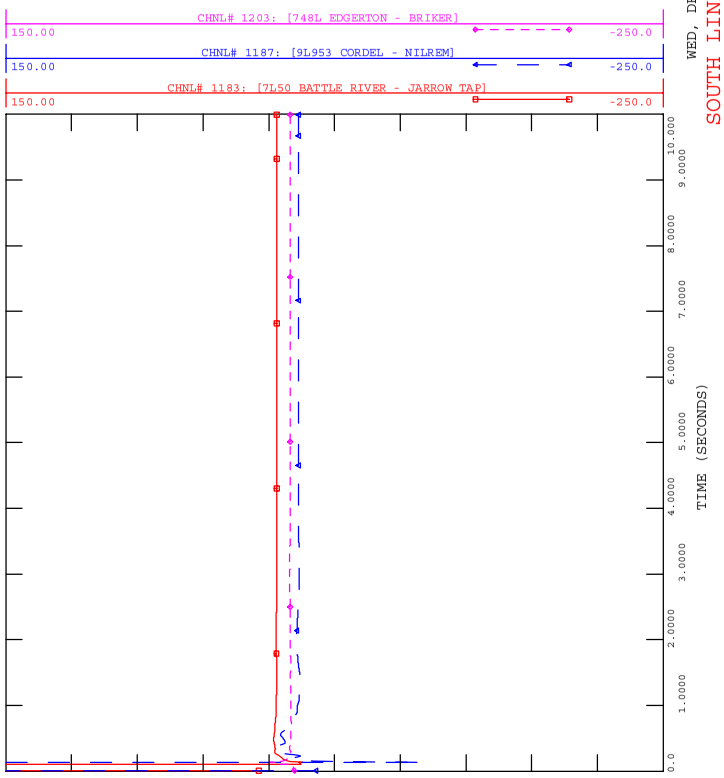


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES VAR FLOW

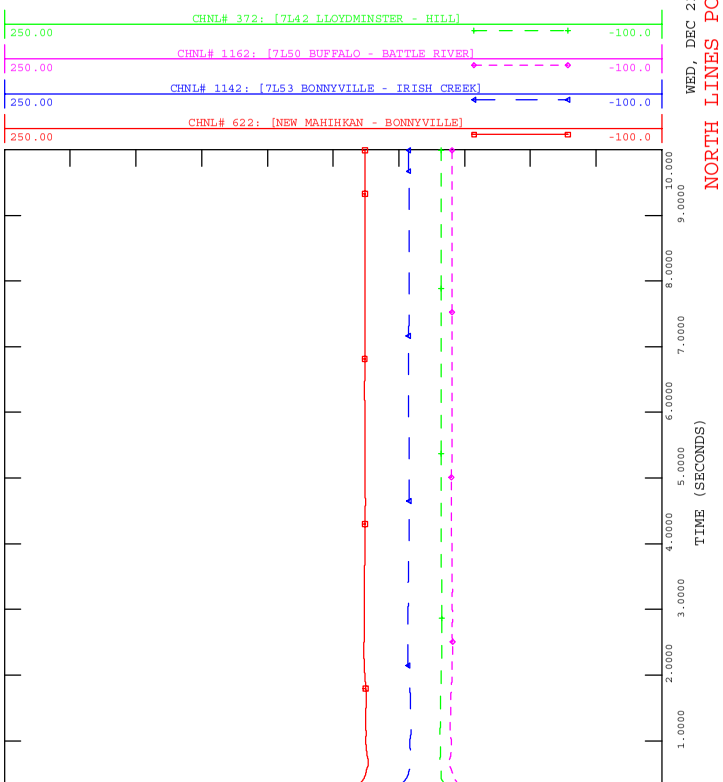


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

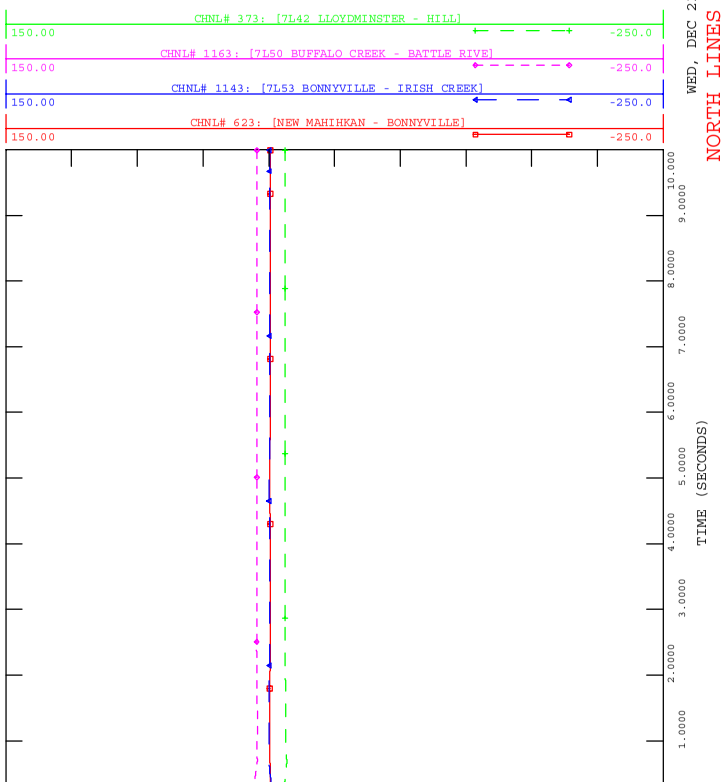


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

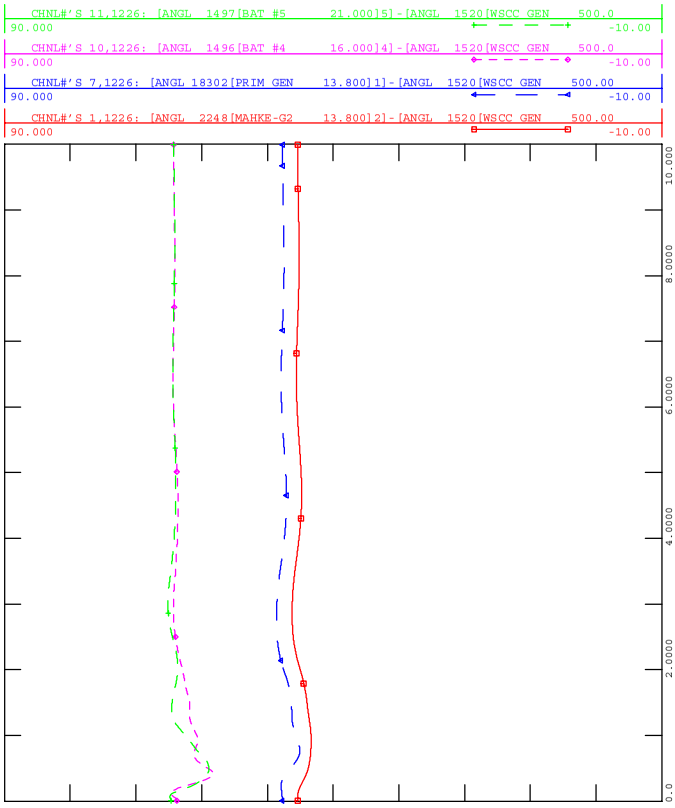


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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RELATIVE ROTOR ANGLES

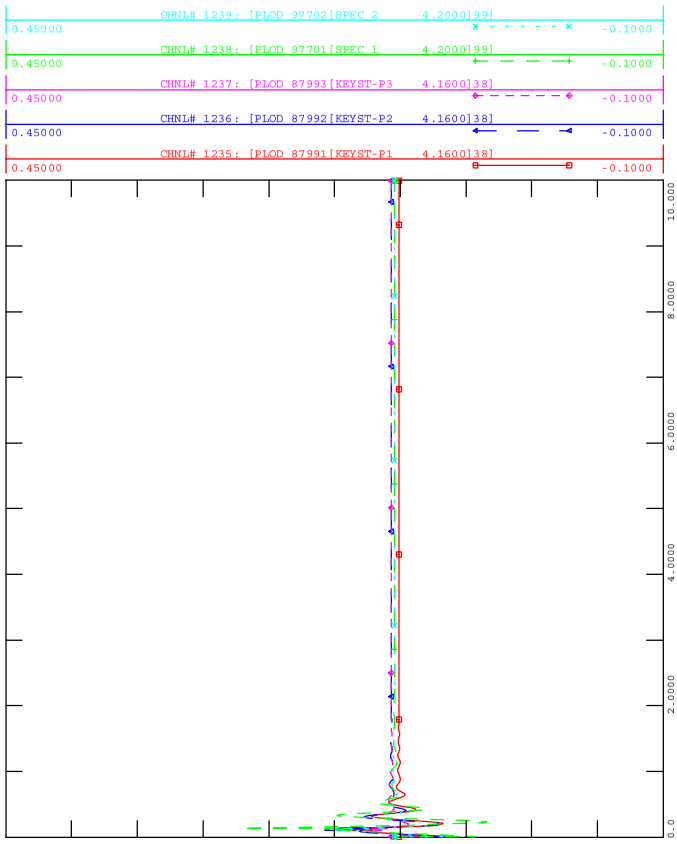


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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MOTOR LOADS GROUP II

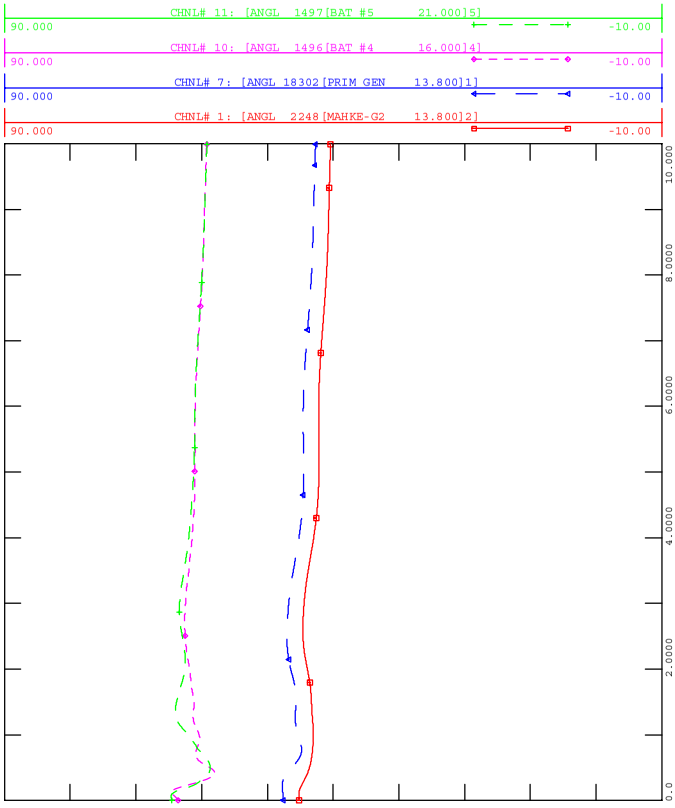


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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ROTOR ANGLES

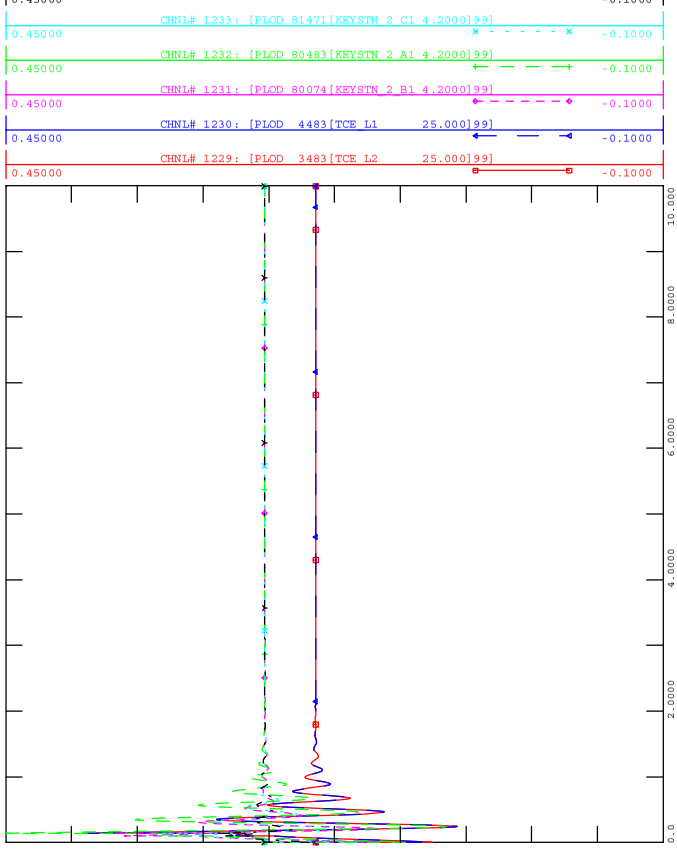


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-9Faultout.out

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MOTOR LOADS GROUP I

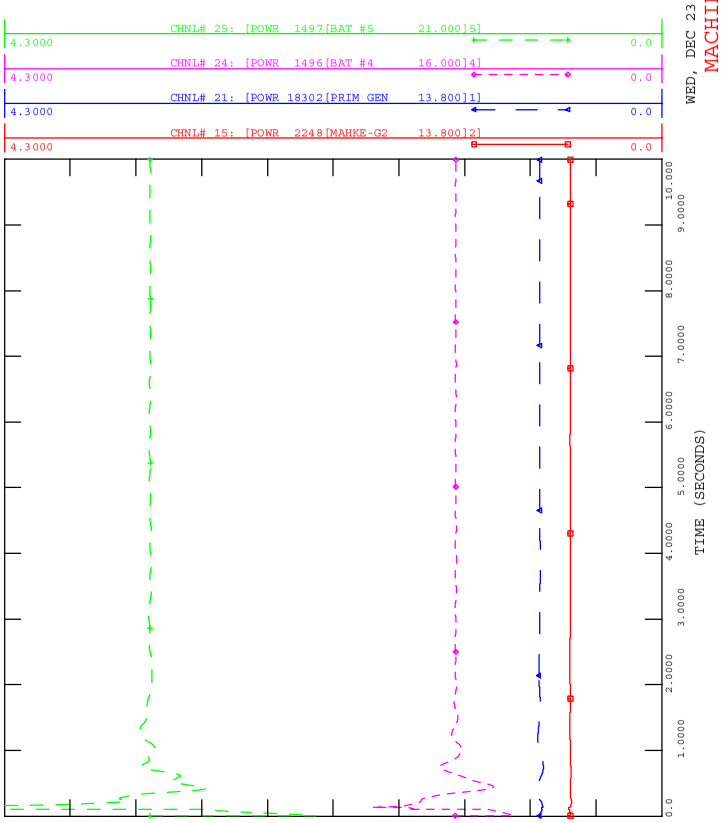


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

MACHINE POWER

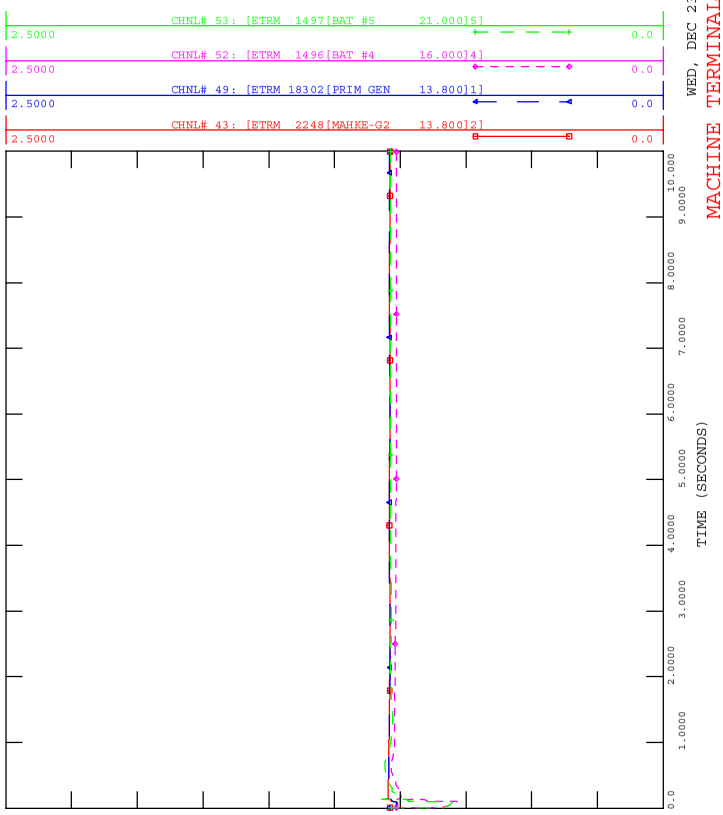


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

MACHINE TERMINAL VOLTAGE

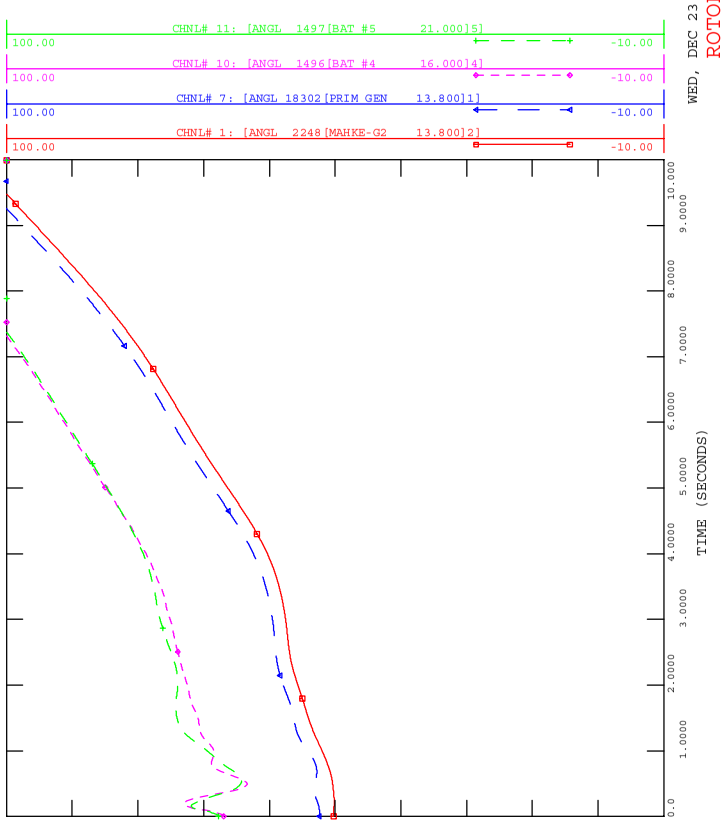


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

ROTOR ANGLES

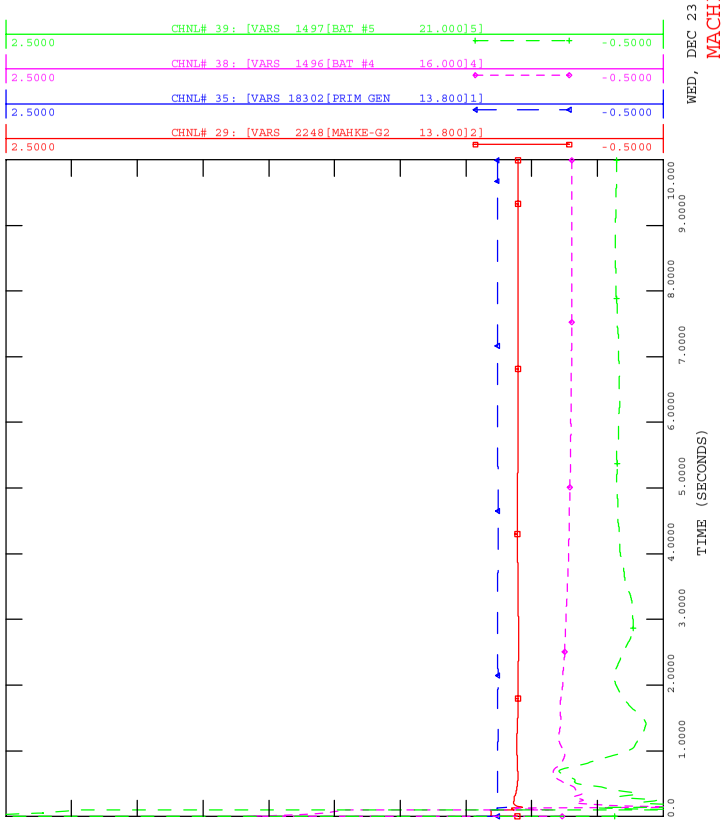


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

MACHINE VARS

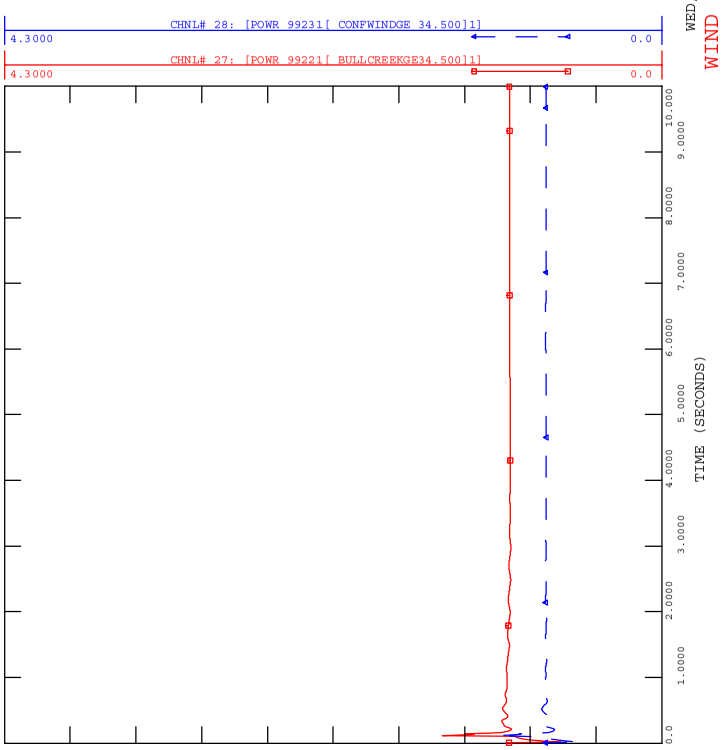


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

WIND MACHINE POWER

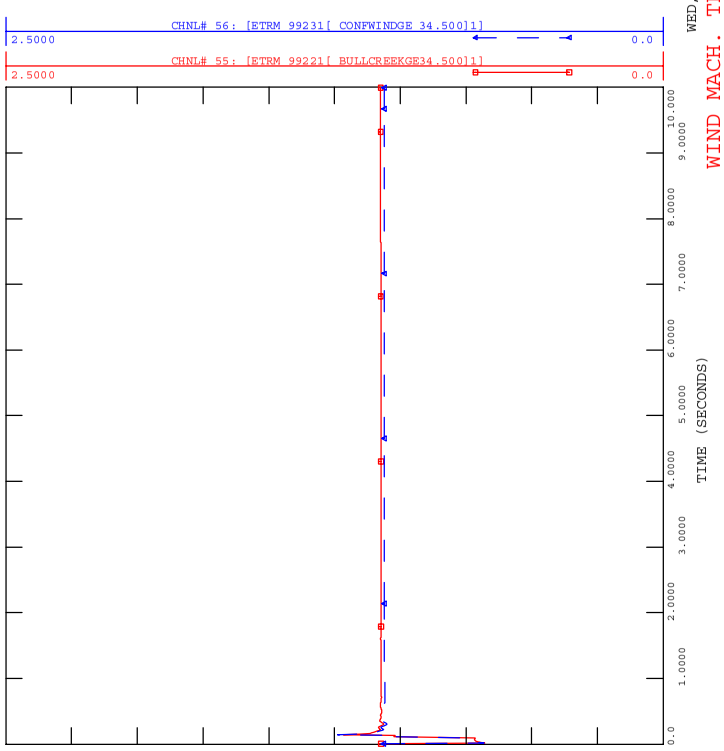


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

WIND MACH. TERMINAL VOLTS

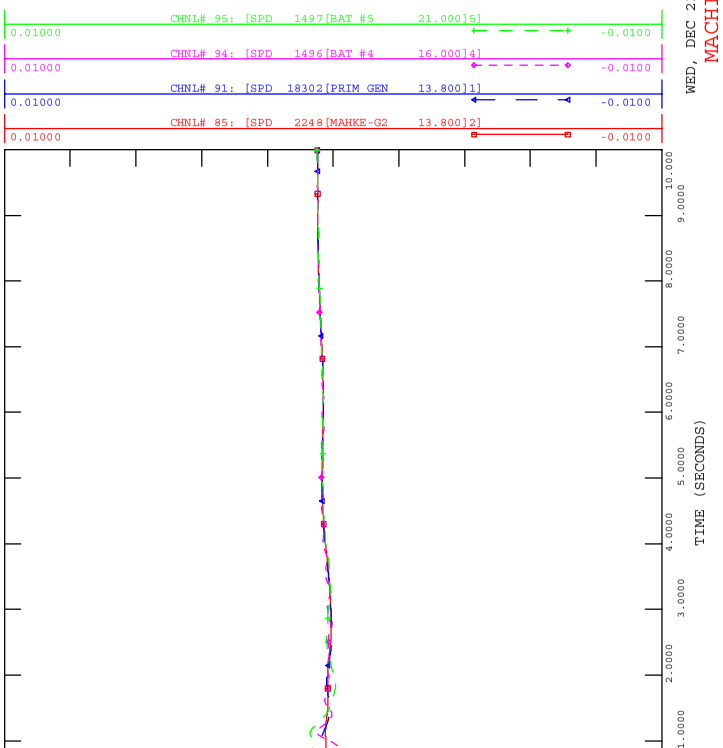


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

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MACHINE SPEED

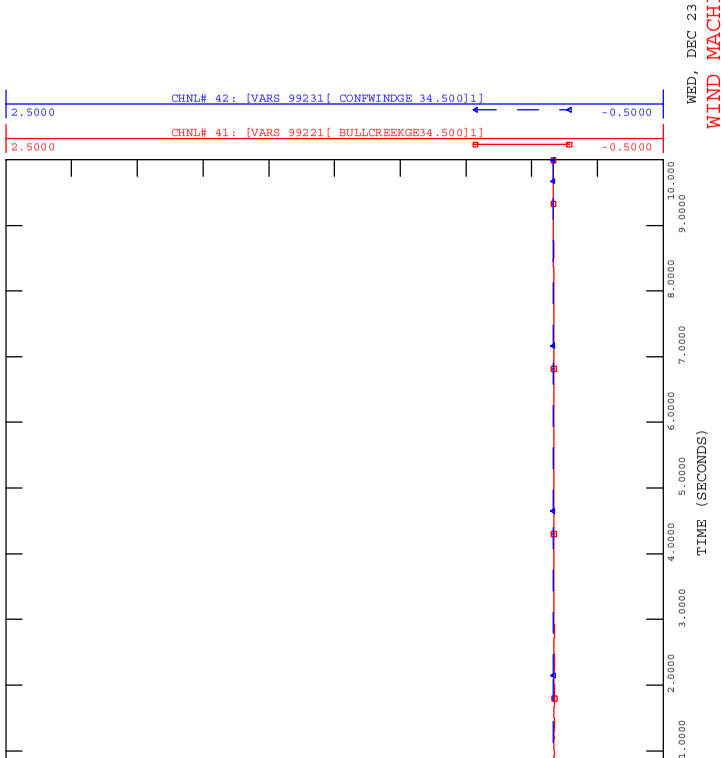


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

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WIND MACHINE VARS

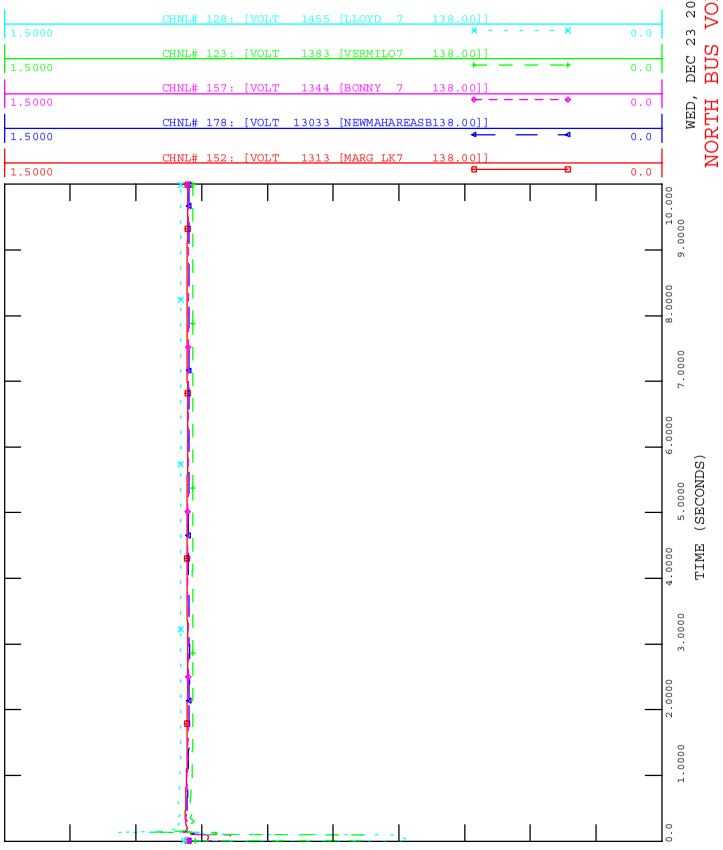


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

NORTH BUS VOLTAGES

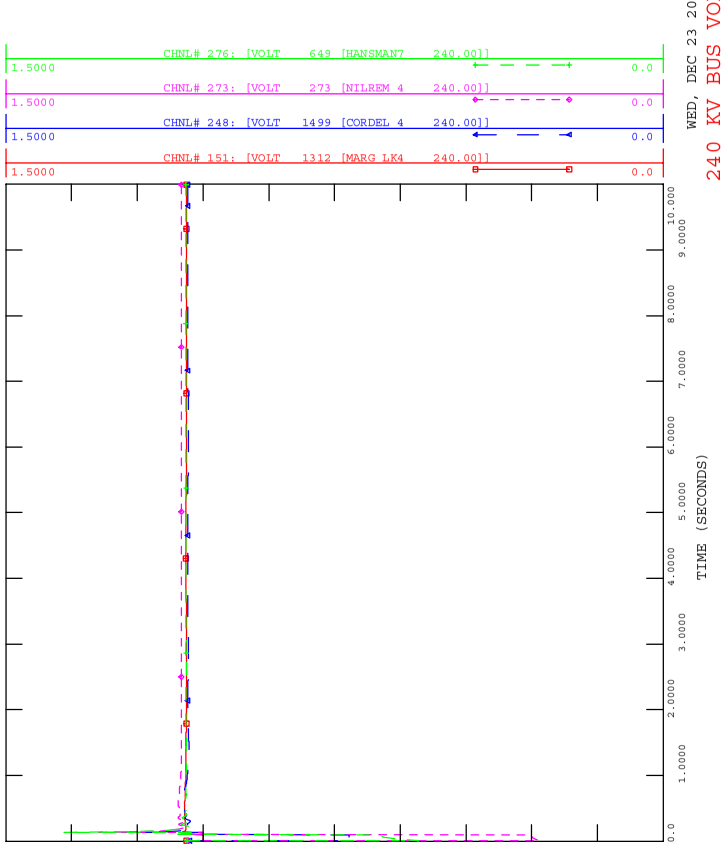


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

240 KV BUS VOLTAGES

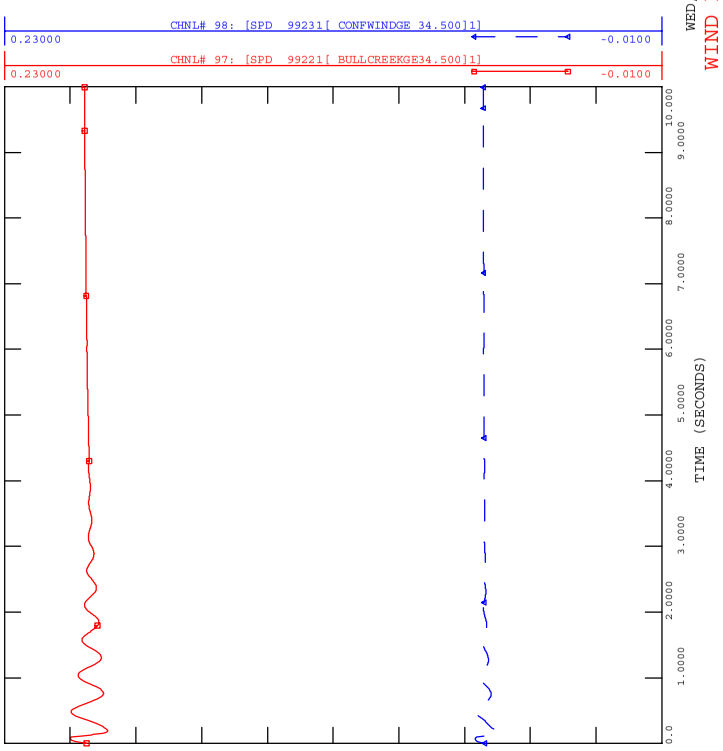


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

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WIND MACHINE SPEED

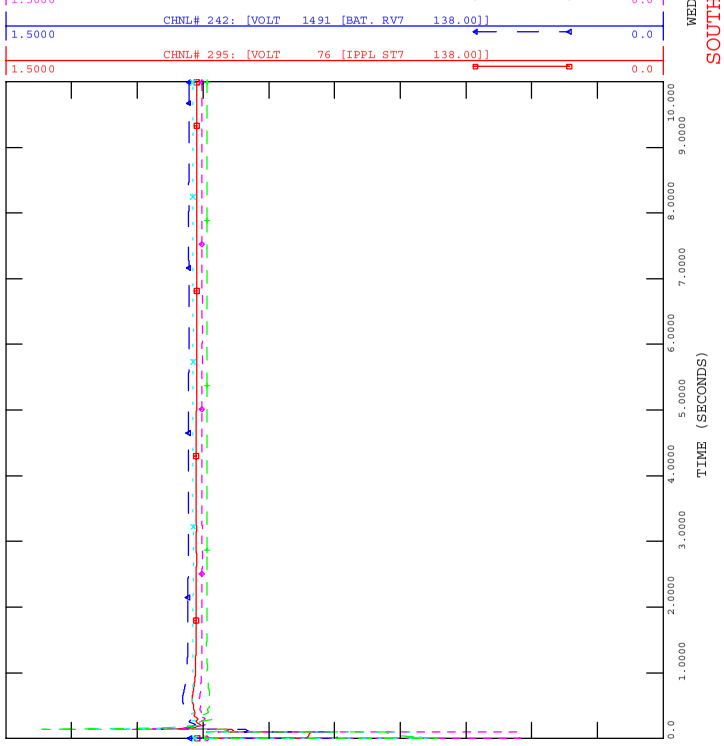


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

SOUTH BUS VOLTAGES

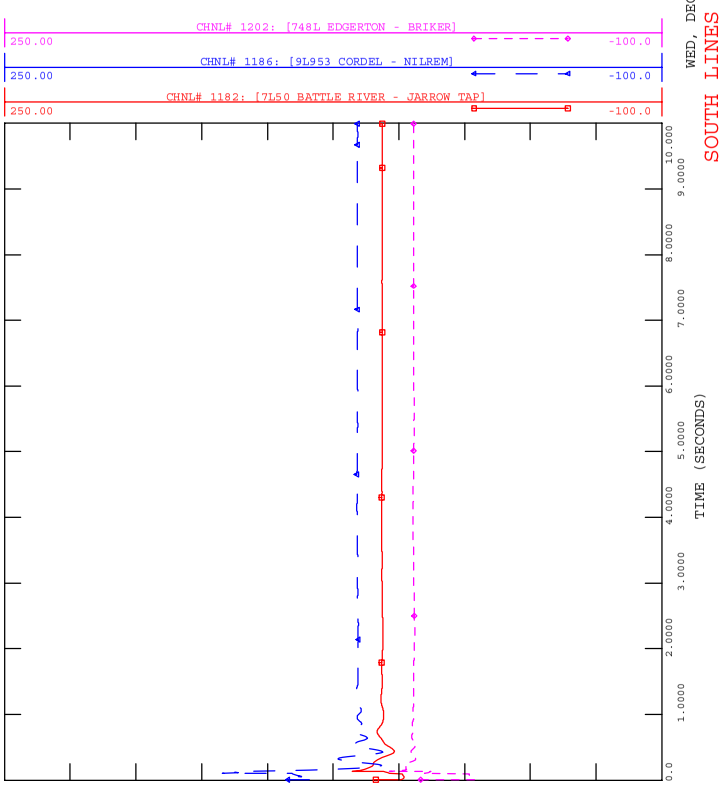


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:06

SOUTH LINES POWER FLOW

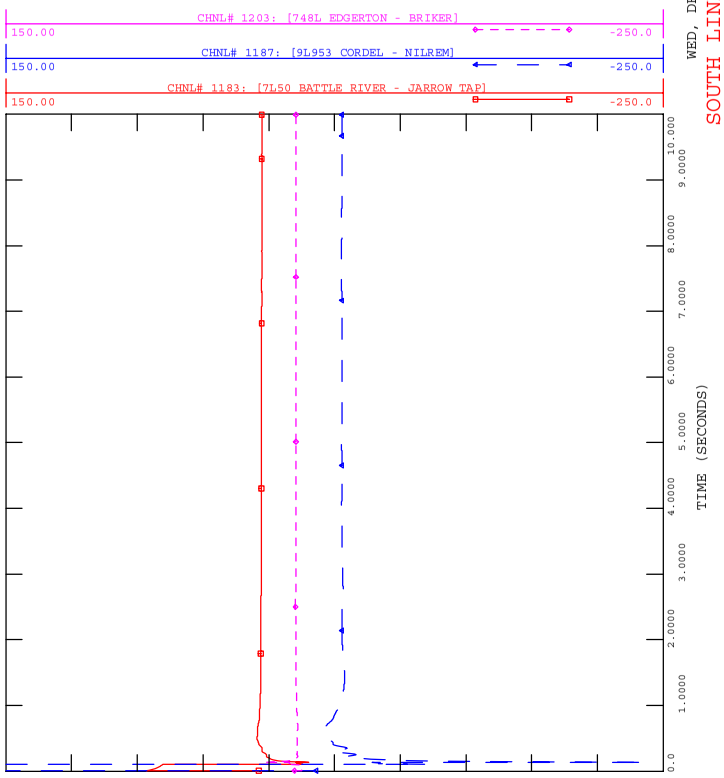


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:06

SOUTH LINES VAR FLOW

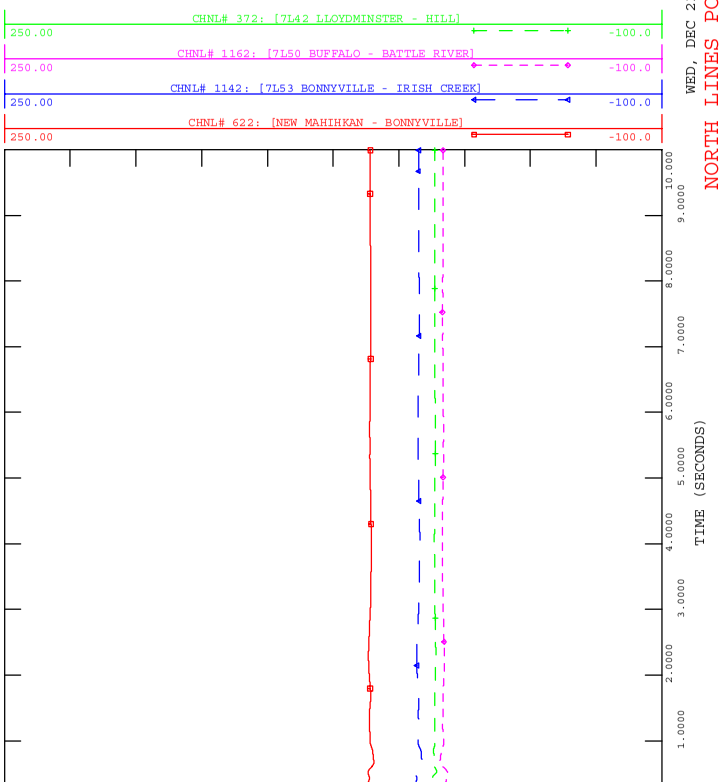


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

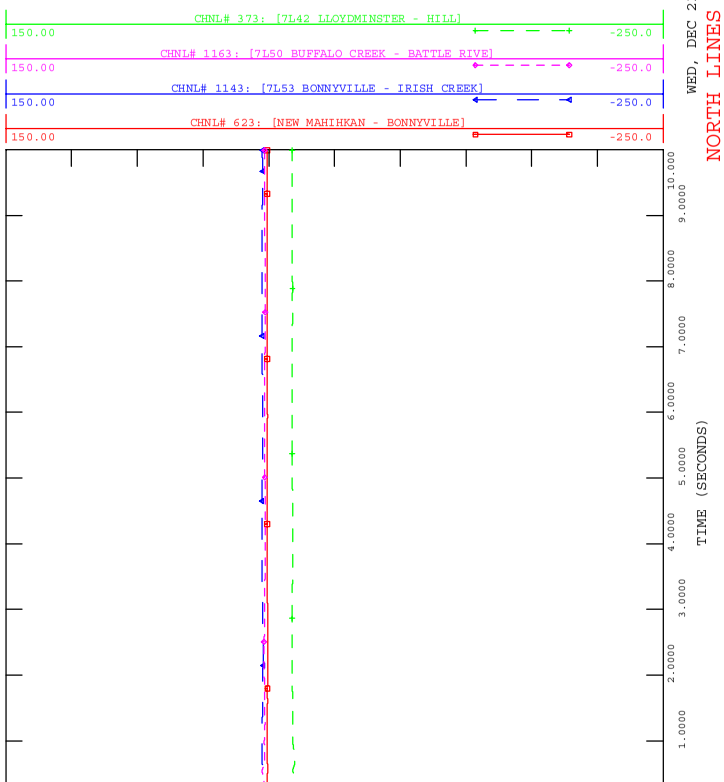


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

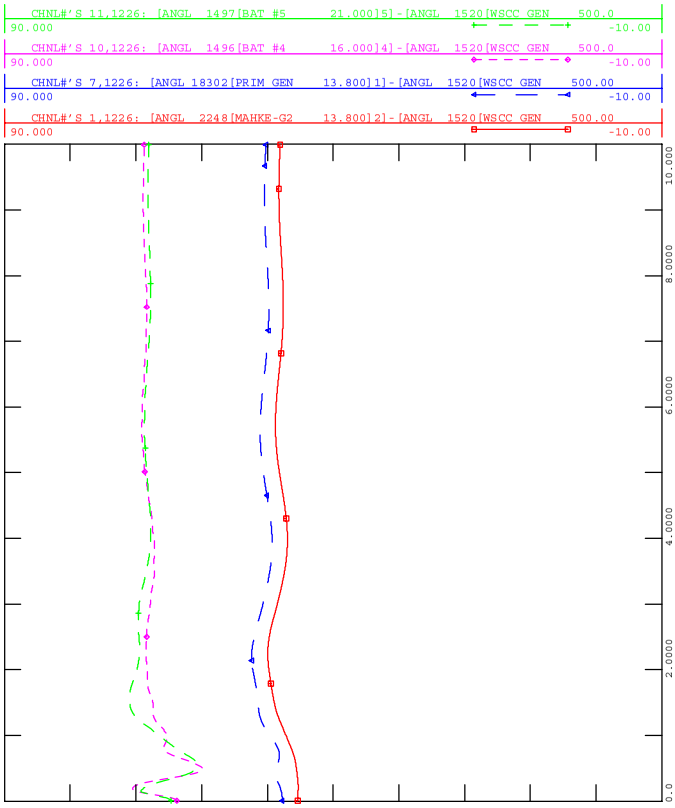


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

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RELATIVE ROTOR ANGLES

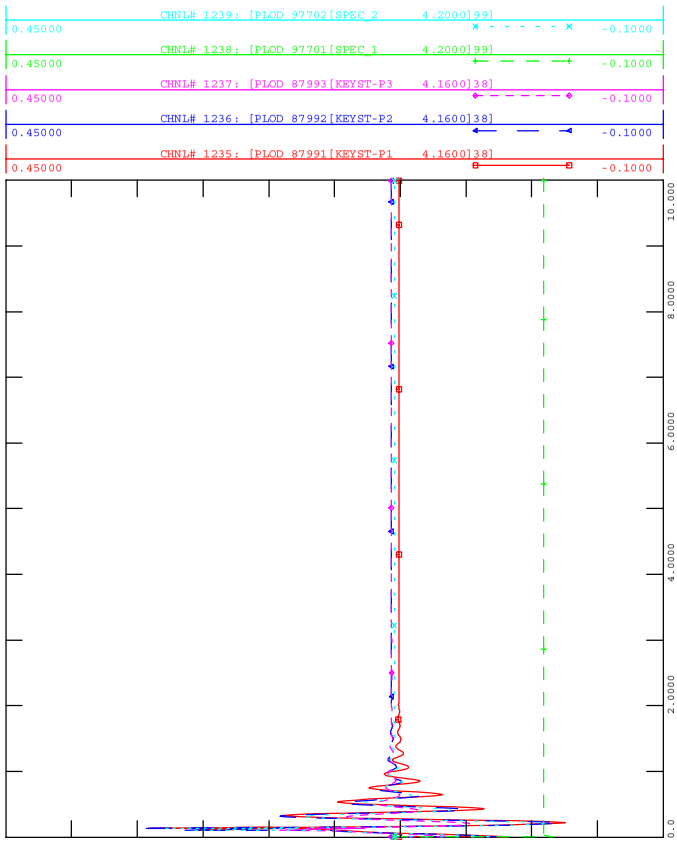


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

WED, DEC 23 2009 14:06

MOTOR LOADS GROUP II

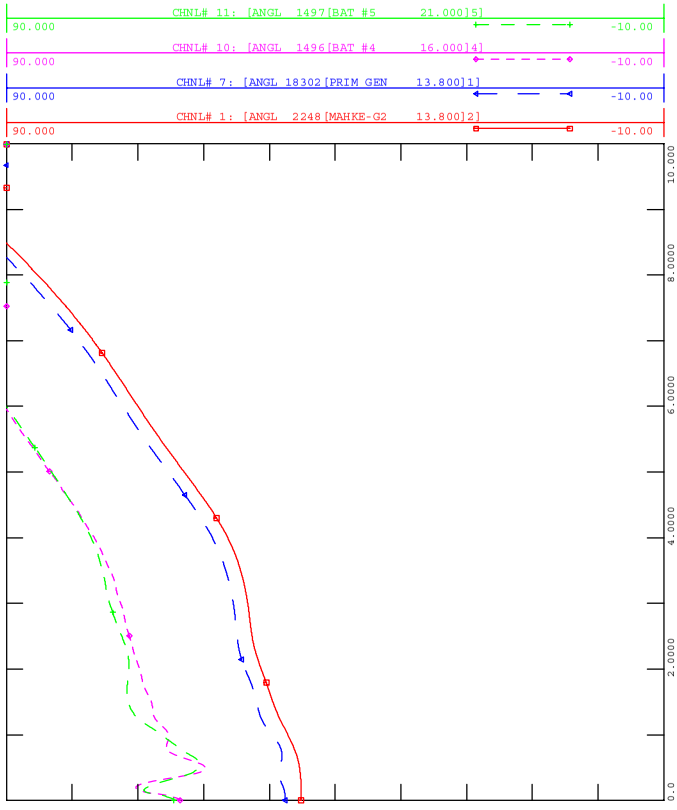


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

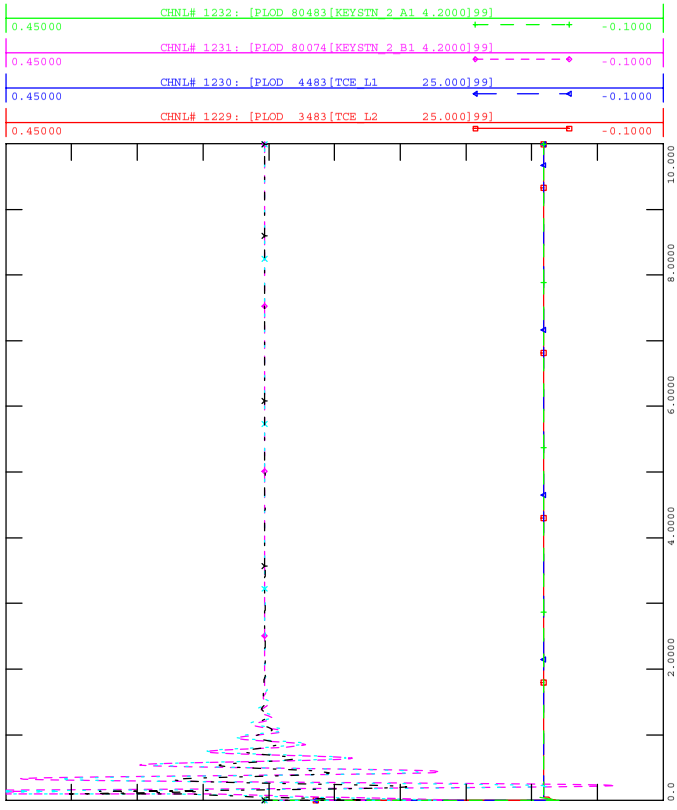


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-10Faultout.out

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MOTOR LOADS GROUP I

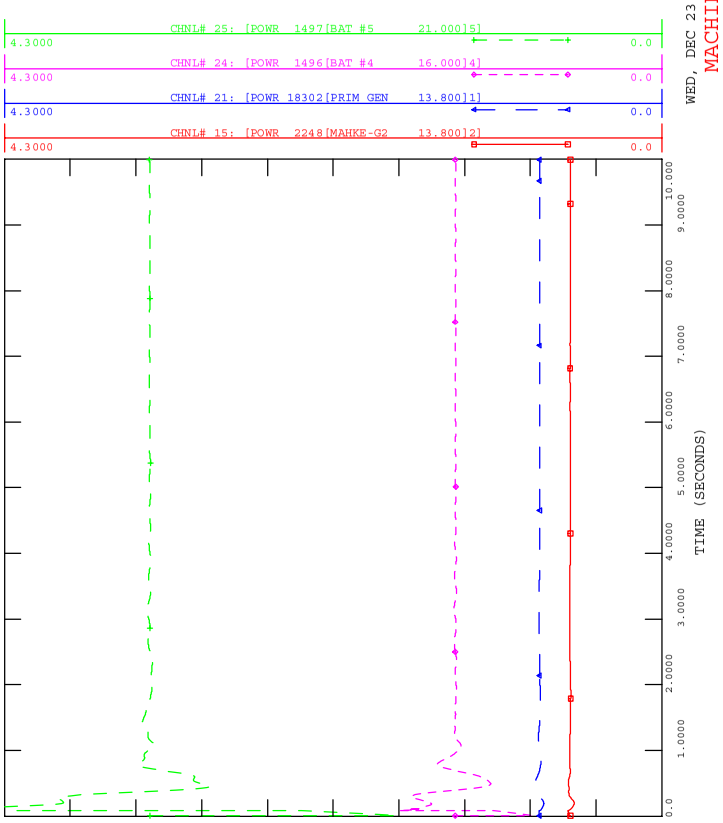


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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MACHINE POWER

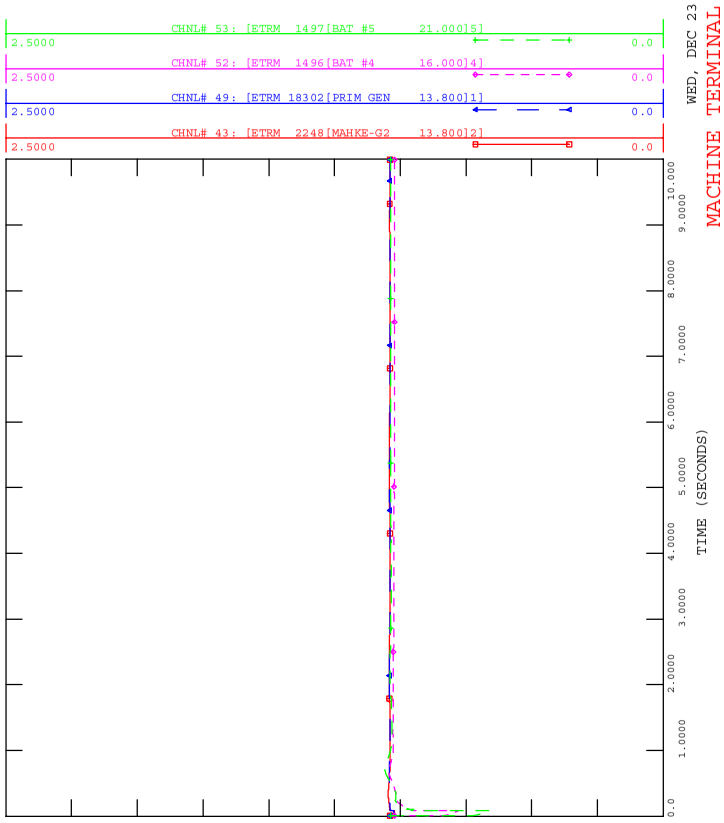


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

WED, DEC 23 2009 14:06

MACHINE TERMINAL VOLTAGE

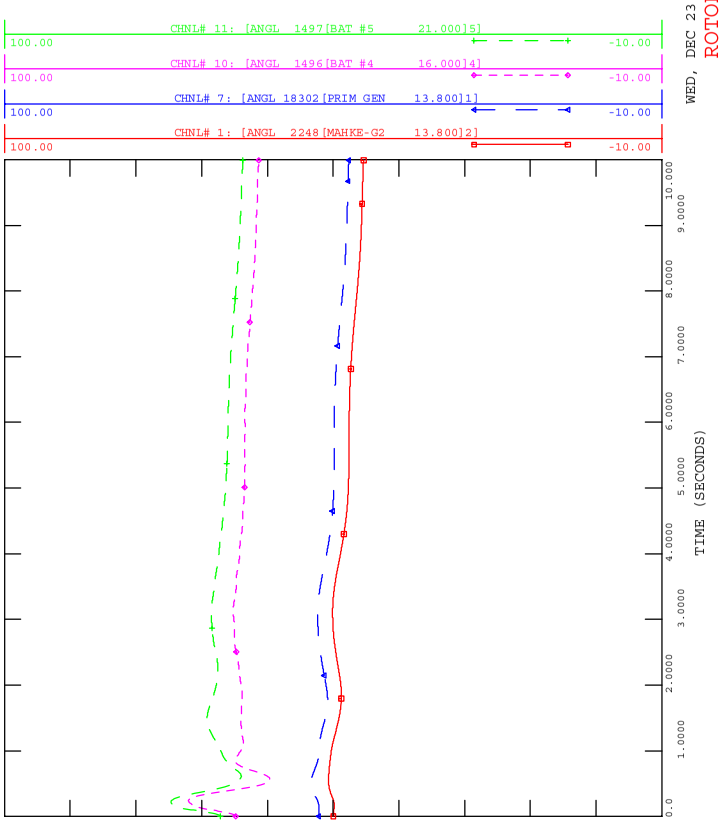


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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ROTOR ANGLES

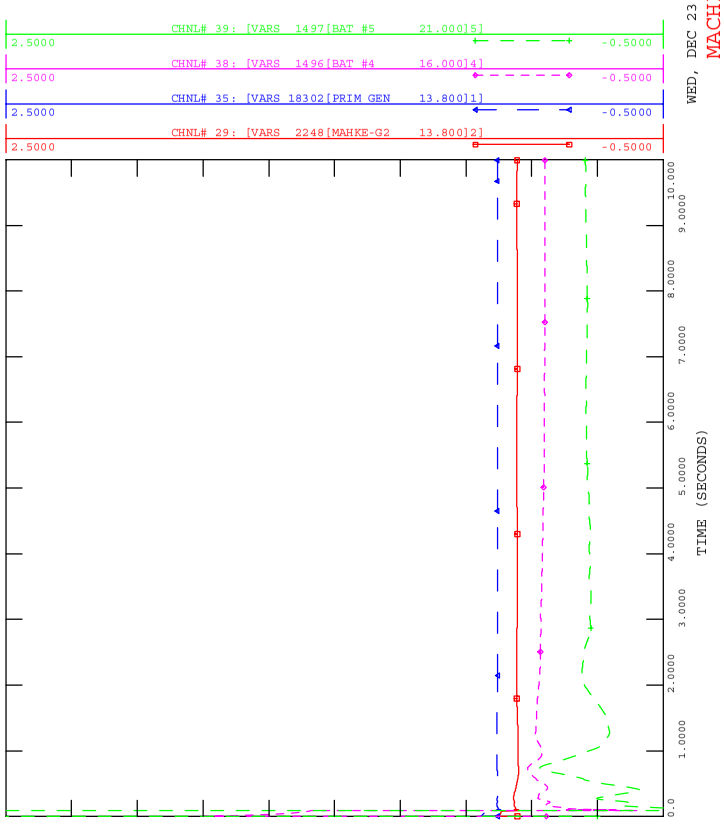


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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MACHINE VARS

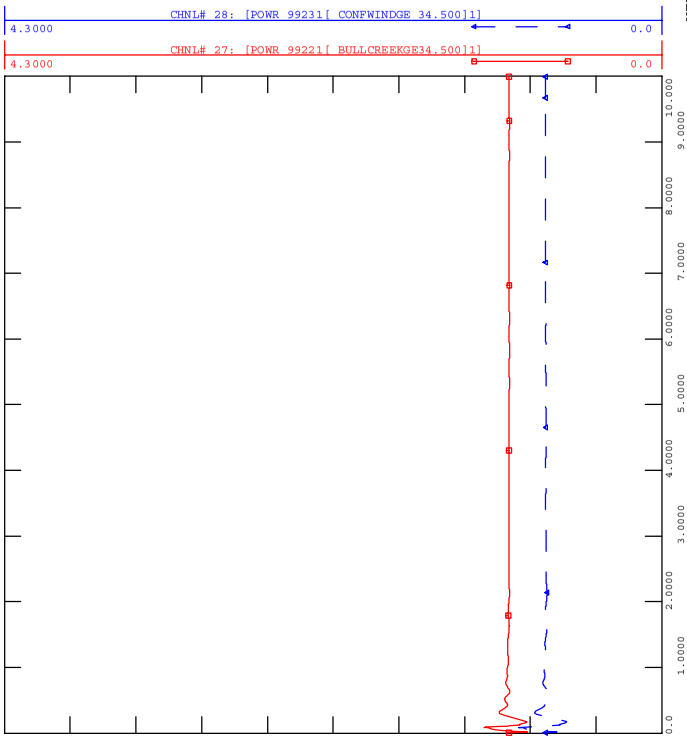


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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WIND MACHINE POWER

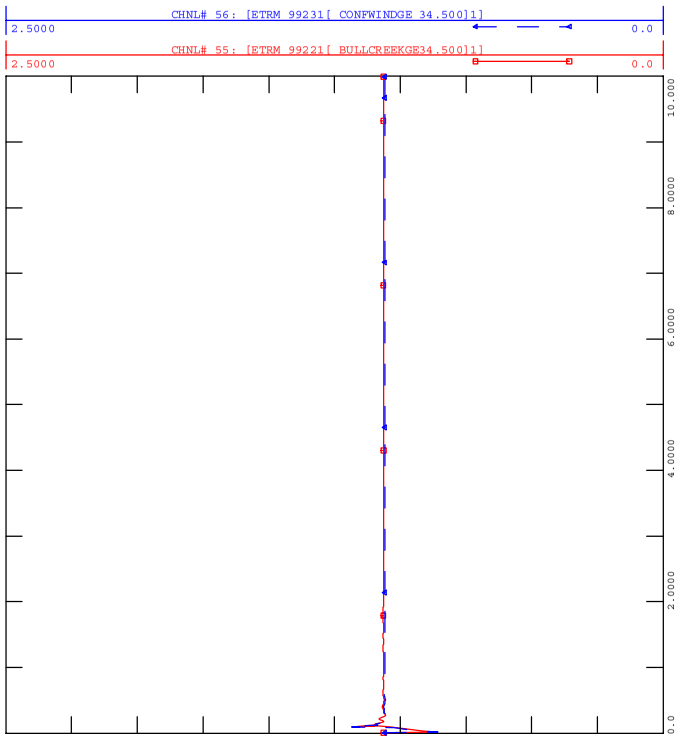


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

WED, DEC 23 2009 14:06

WIND MACH. TERMINAL VOLTS

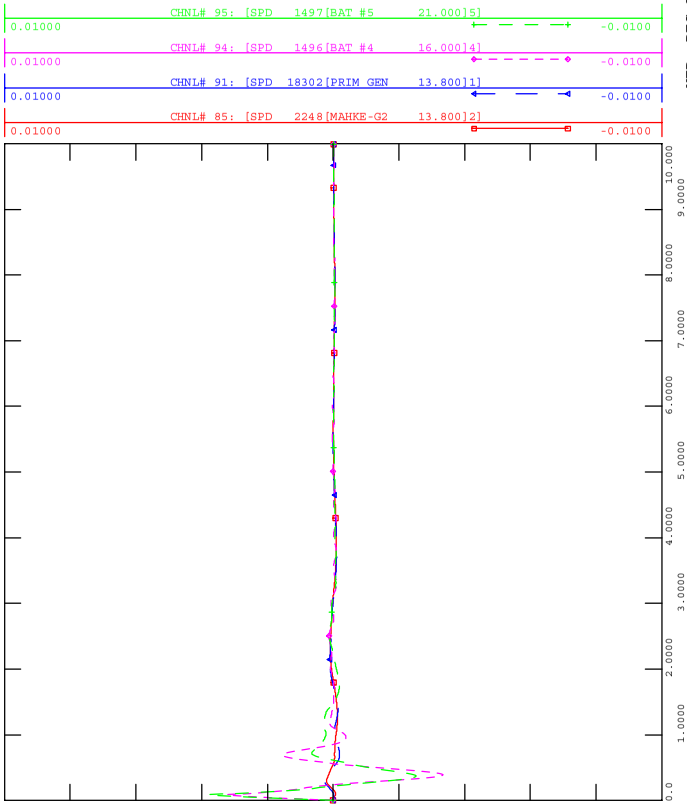


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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MACHINE SPEED

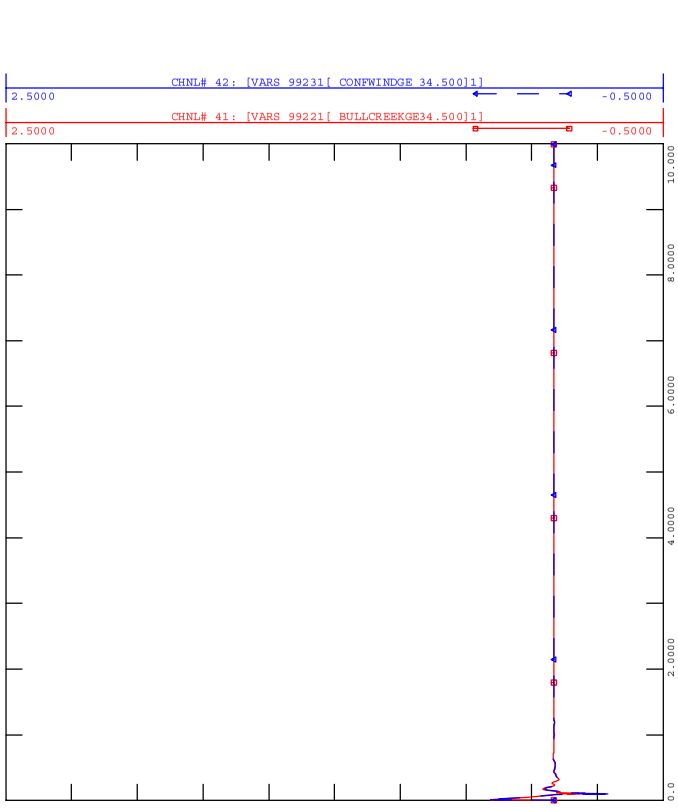


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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WIND MACHINE VARS

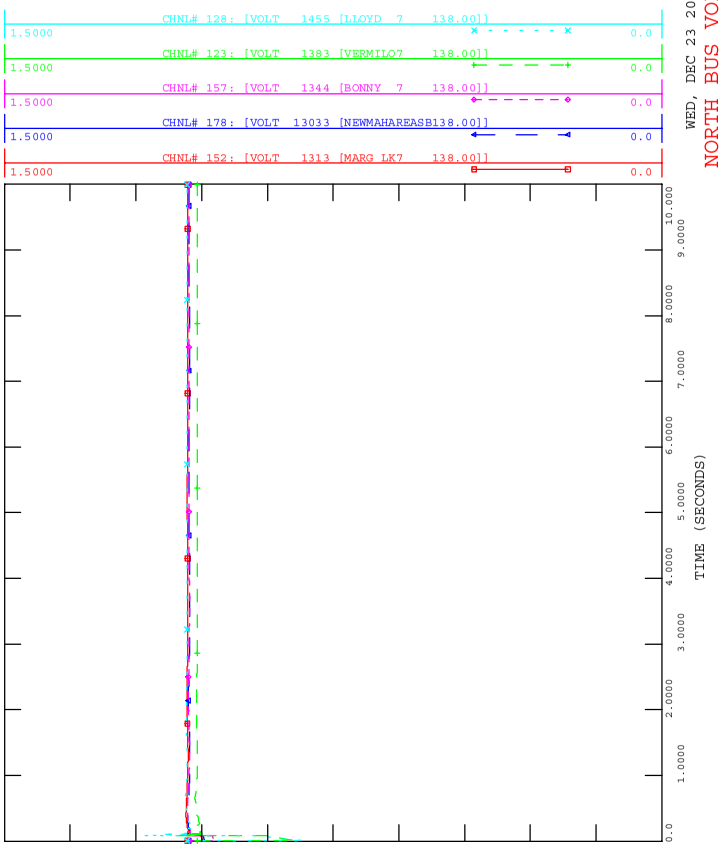


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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NORTH BUS VOLTAGES

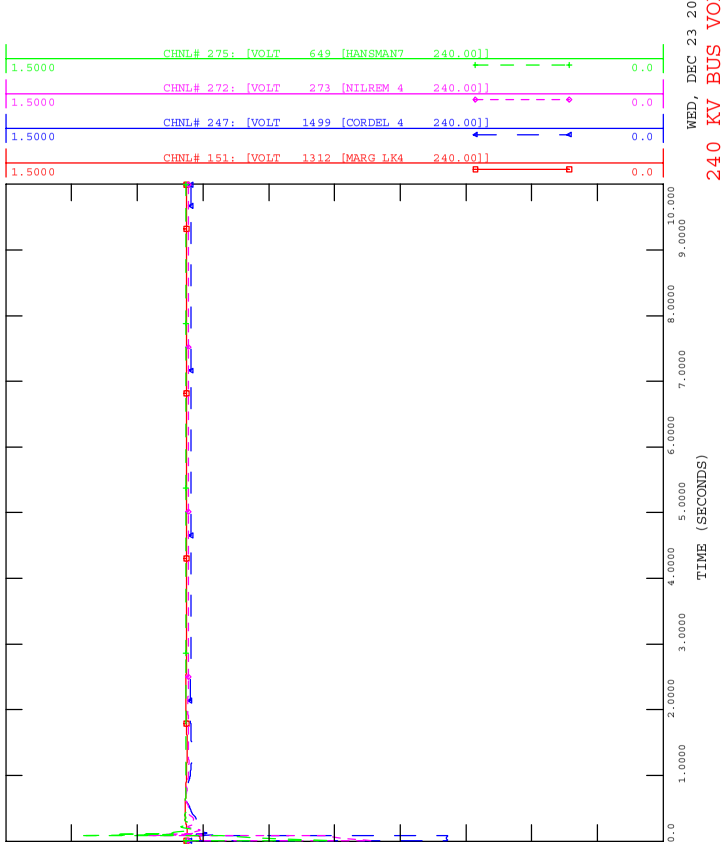


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

WED, DEC 23 2009 14:06

240 KV BUS VOLTAGES

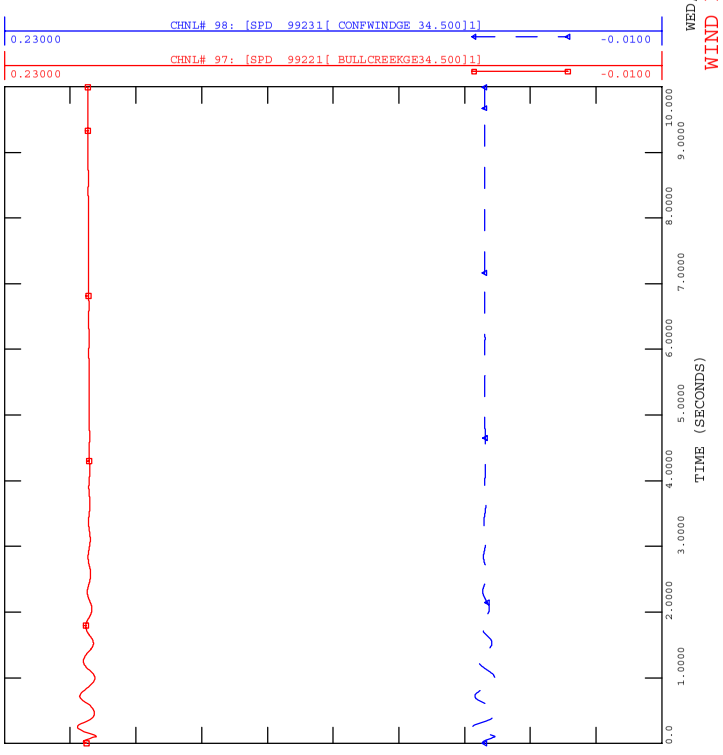


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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WIND MACHINE SPEED

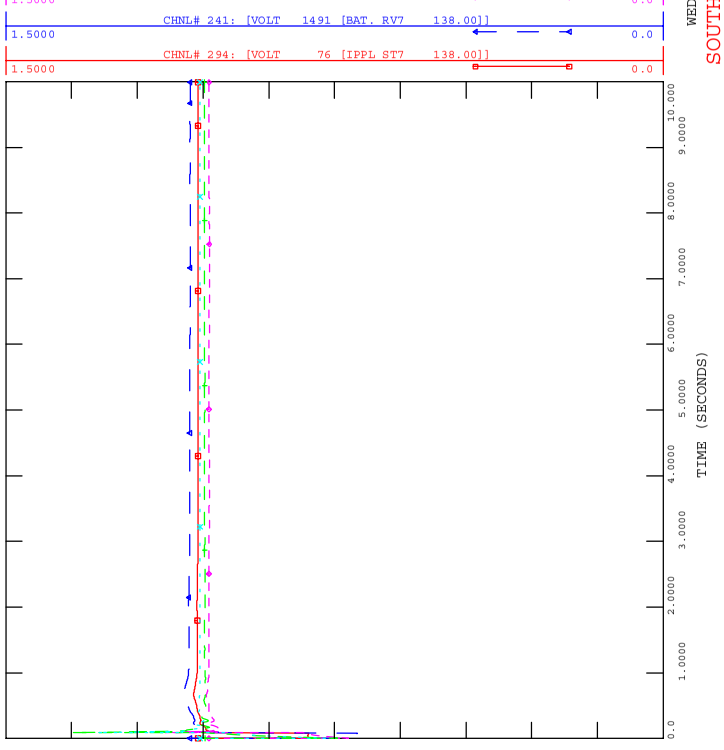


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

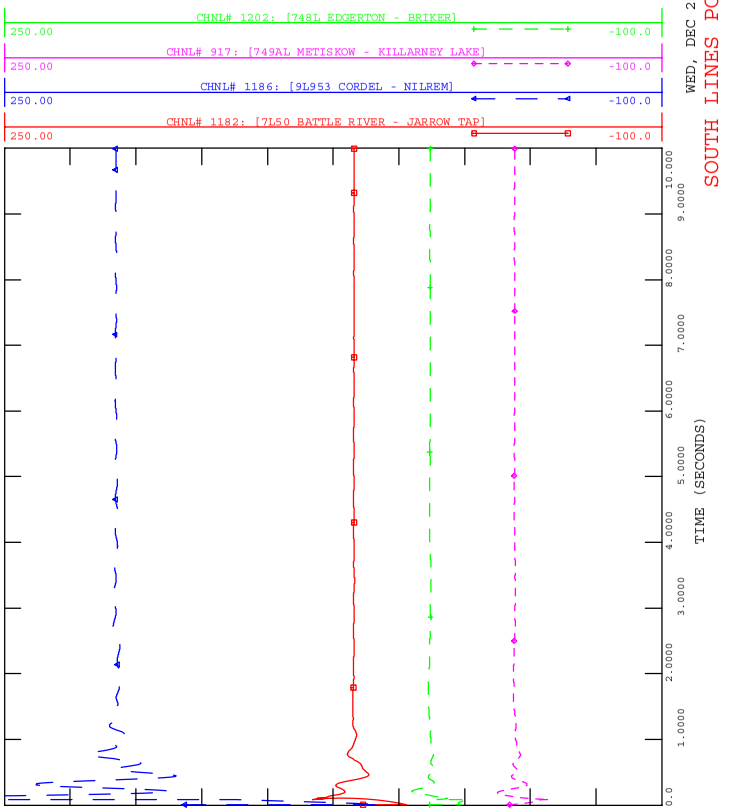
WED, DEC 23 2009 14:06

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

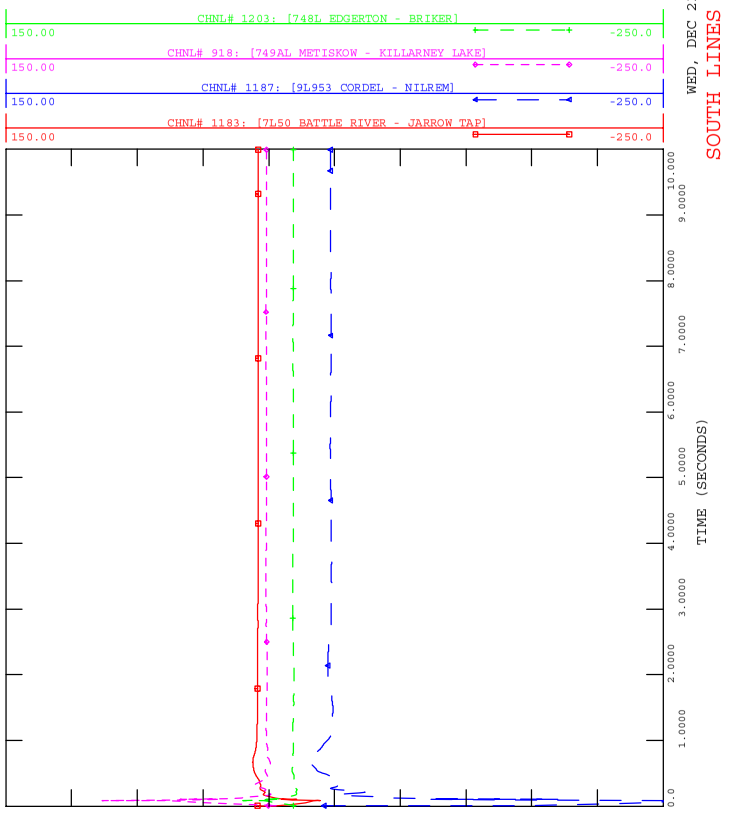


WED, DEC 23 2009 14:06

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

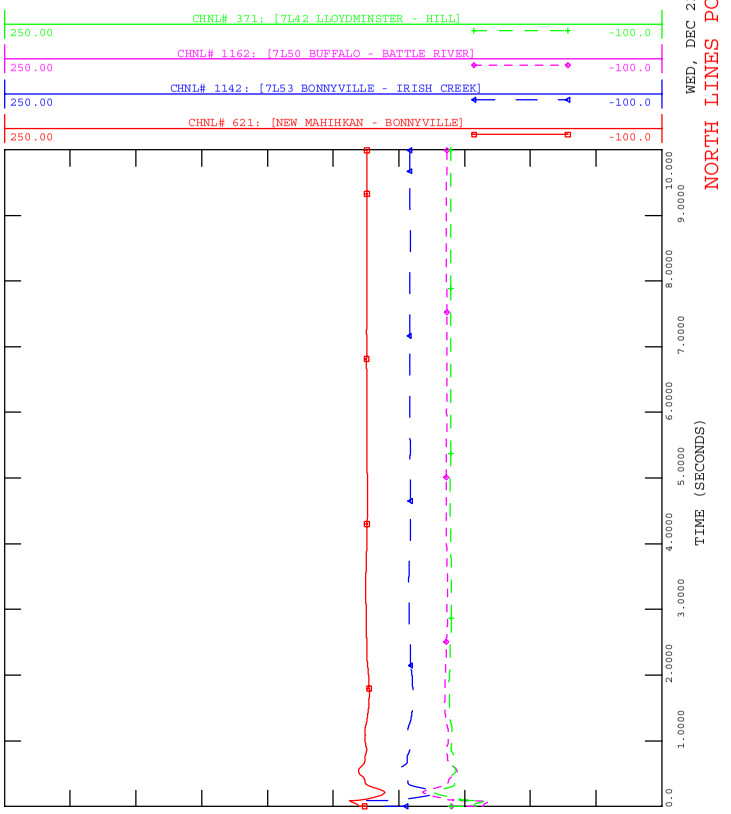


WED, DEC 23 2009 14:06

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

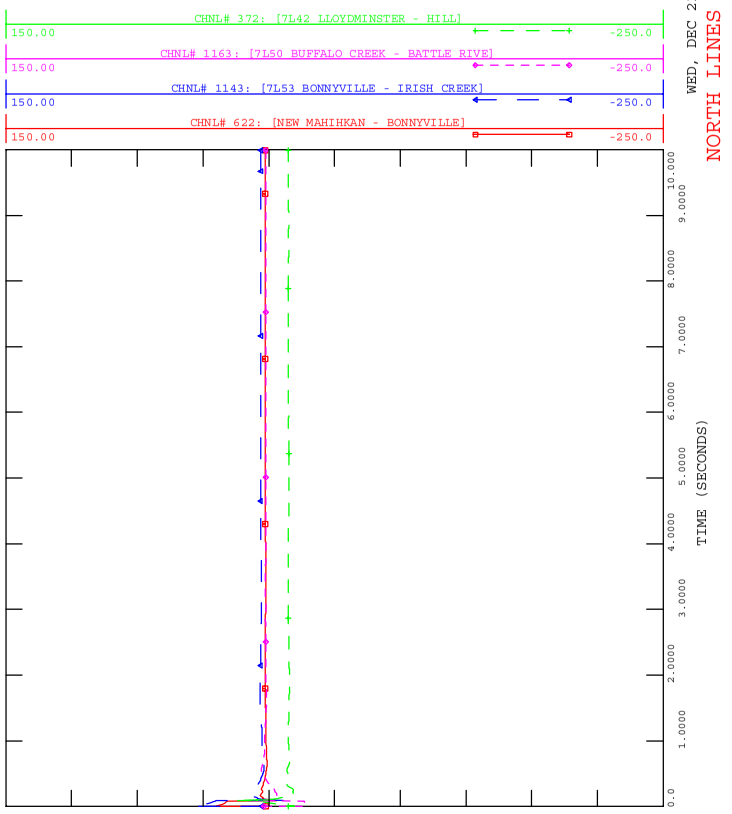


WED, DEC 23 2009 14:06

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out



WED, DEC 23 2009 14:06

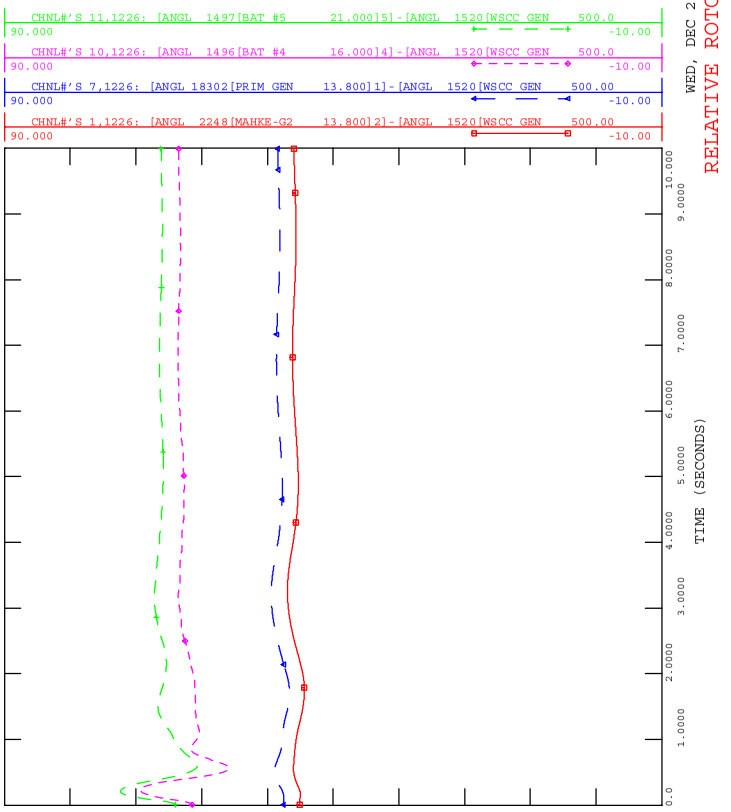
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

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RELATIVE ROTOR ANGLES

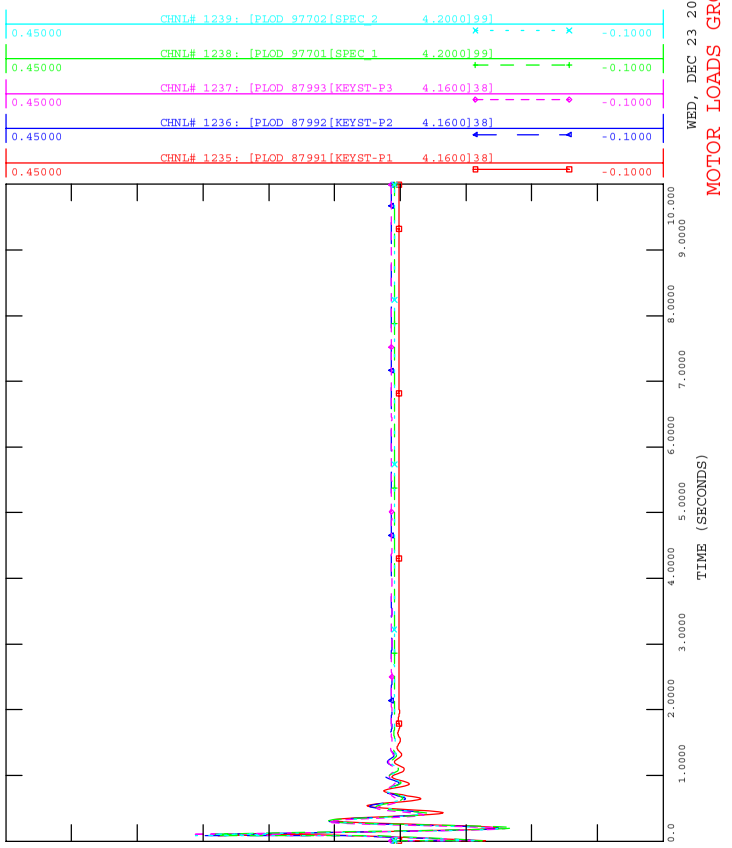


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

WED, DEC 23 2009 14:06

MOTOR LOADS GROUP II

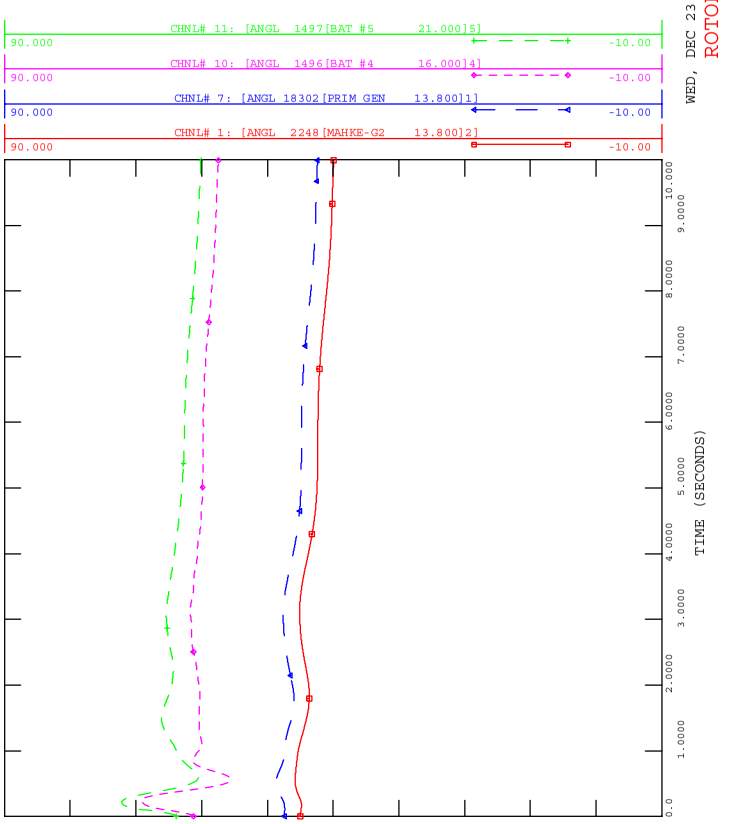


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

WED, DEC 23 2009 14:06

ROTOR ANGLES

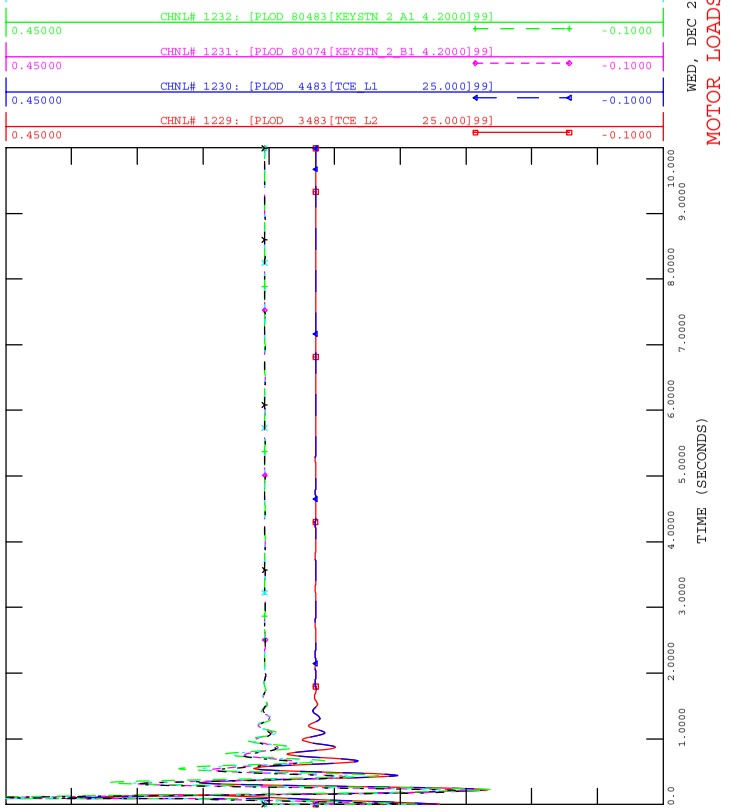


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-11Faultout.out

WED, DEC 23 2009 14:06

MOTOR LOADS GROUP I

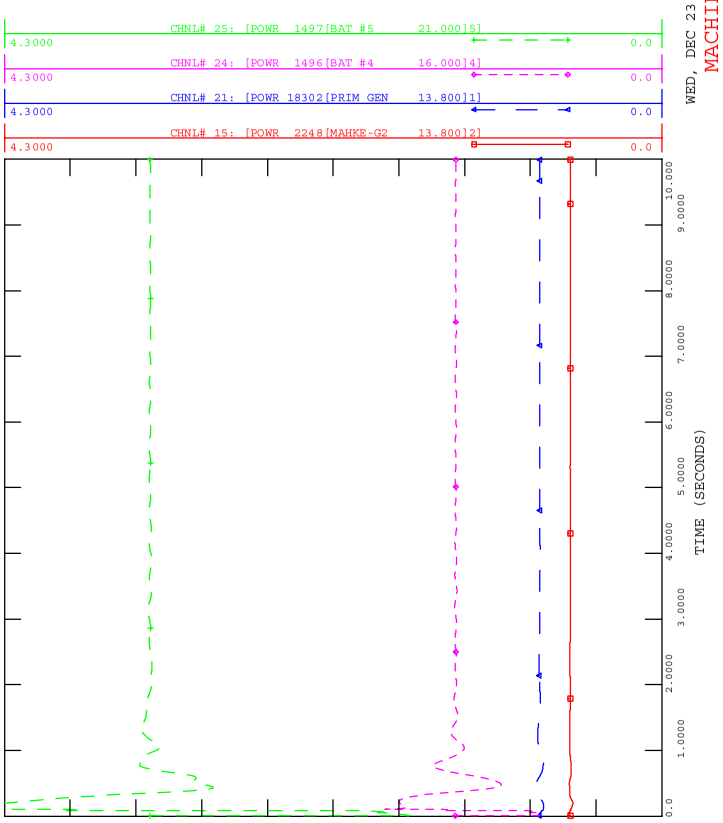


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

MACHINE POWER

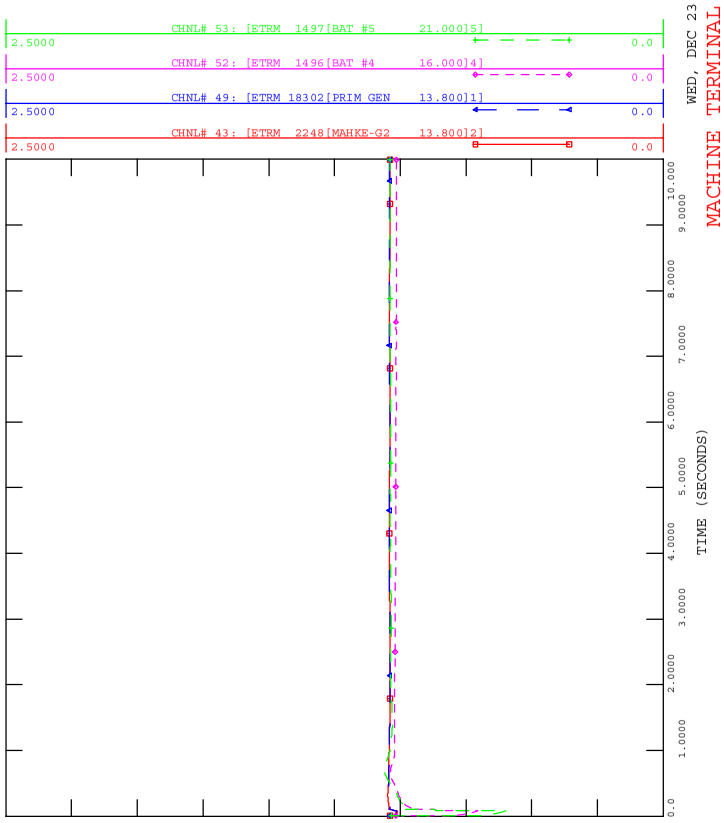


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

MACHINE TERMINAL VOLTAGE

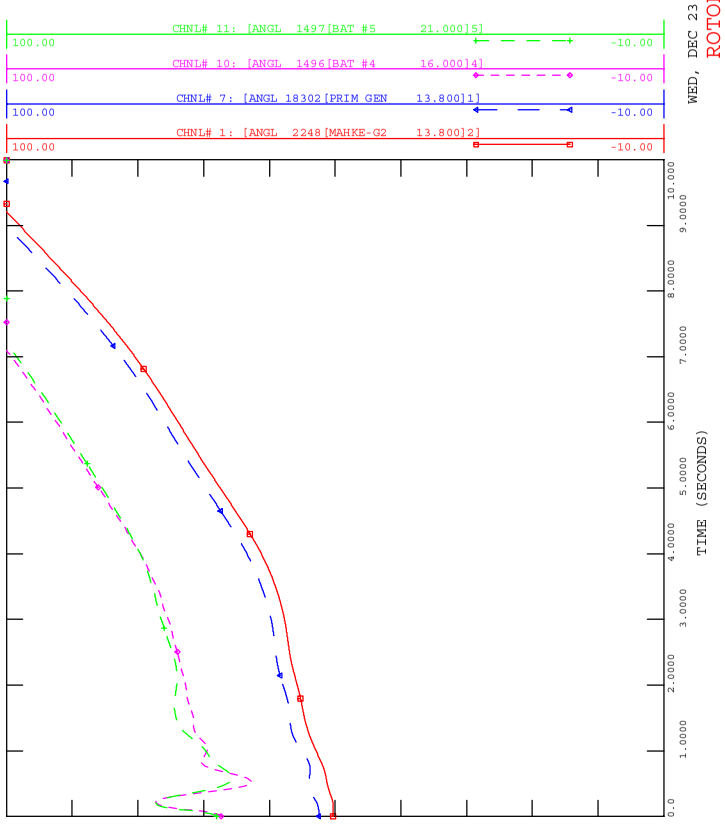


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

ROTOR ANGLES

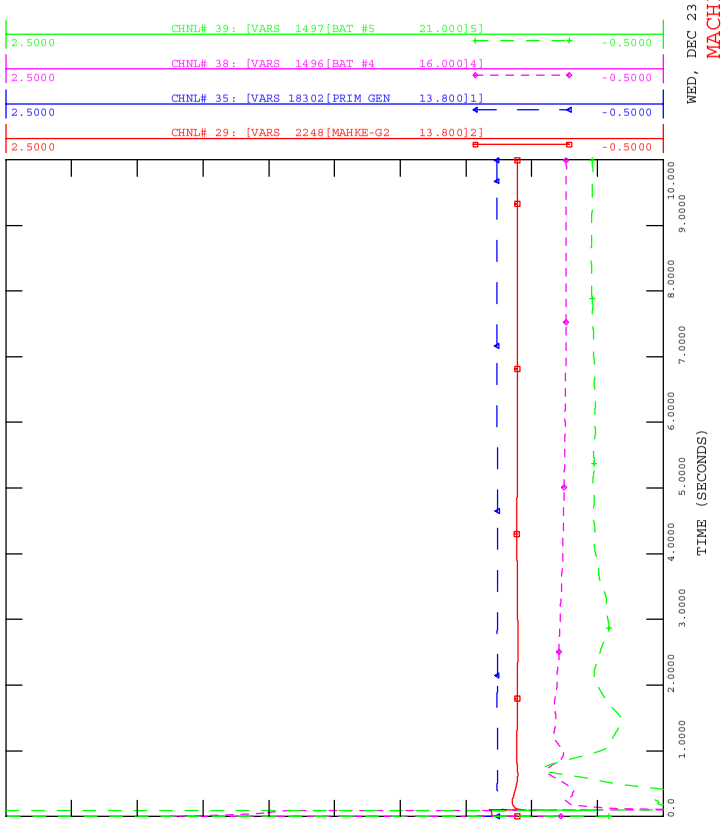


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

MACHINE VARS

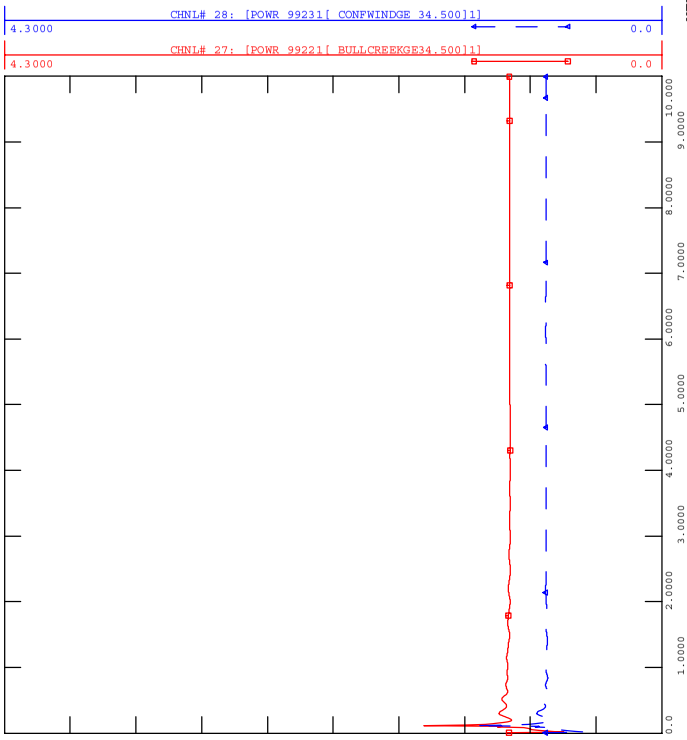


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

WIND MACHINE POWER

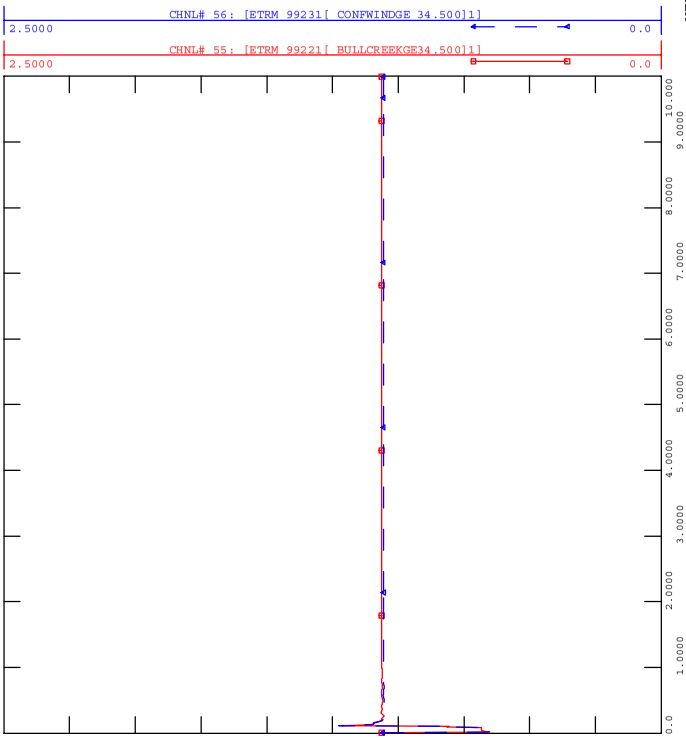


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

WIND MACH. TERMINAL VOLTS

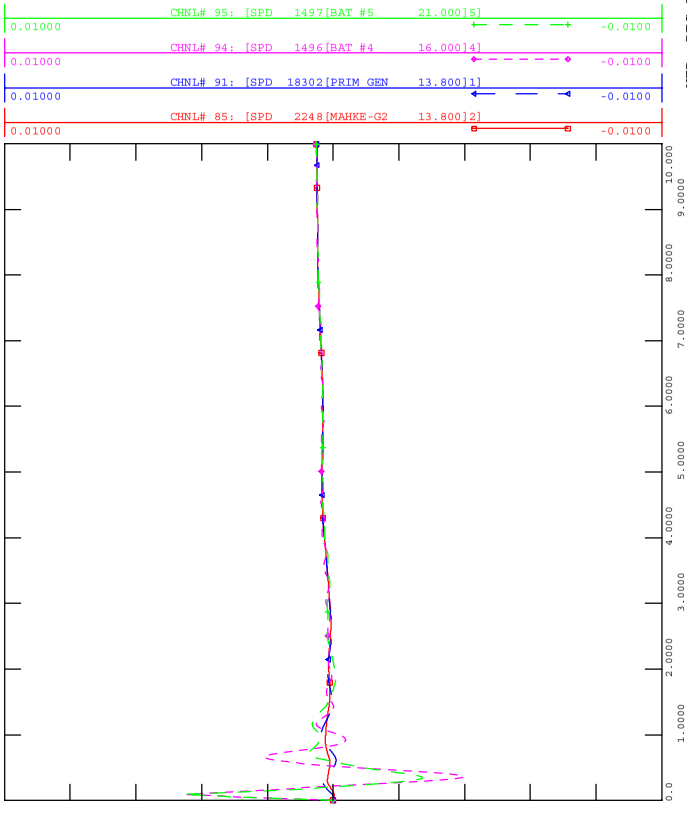


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

MACHINE SPEED

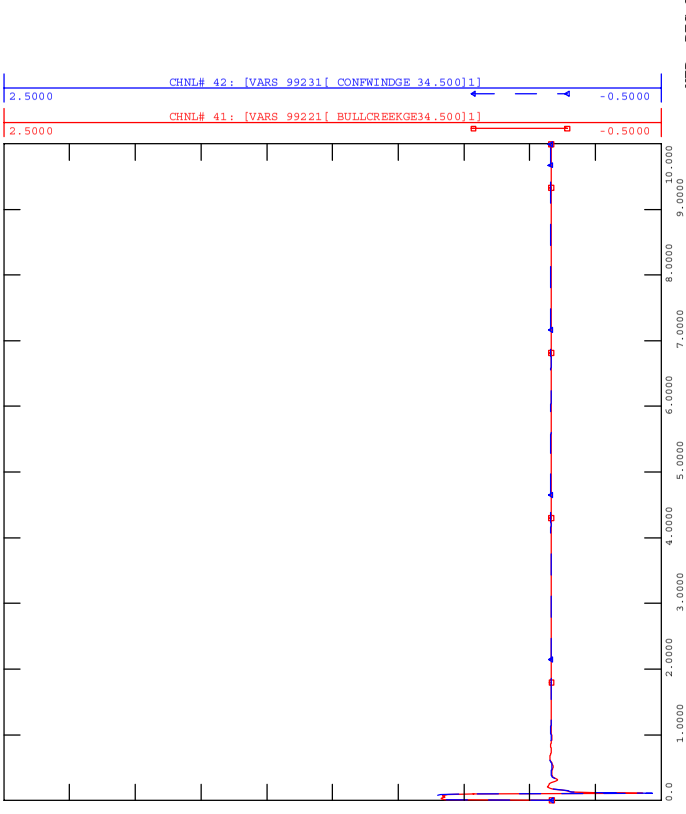


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

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WIND MACHINE VARS

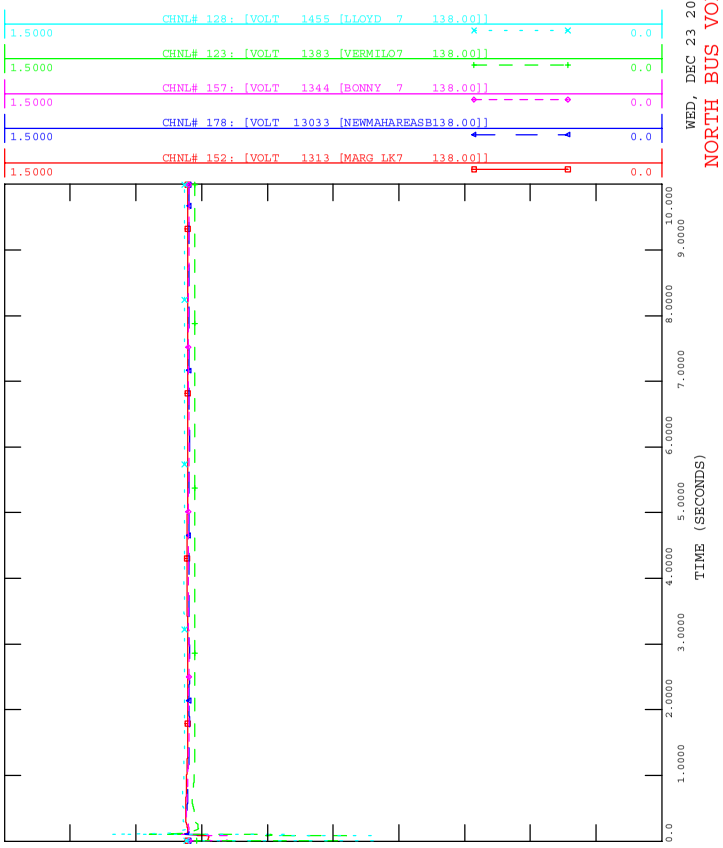


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

NORTH BUS VOLTAGES

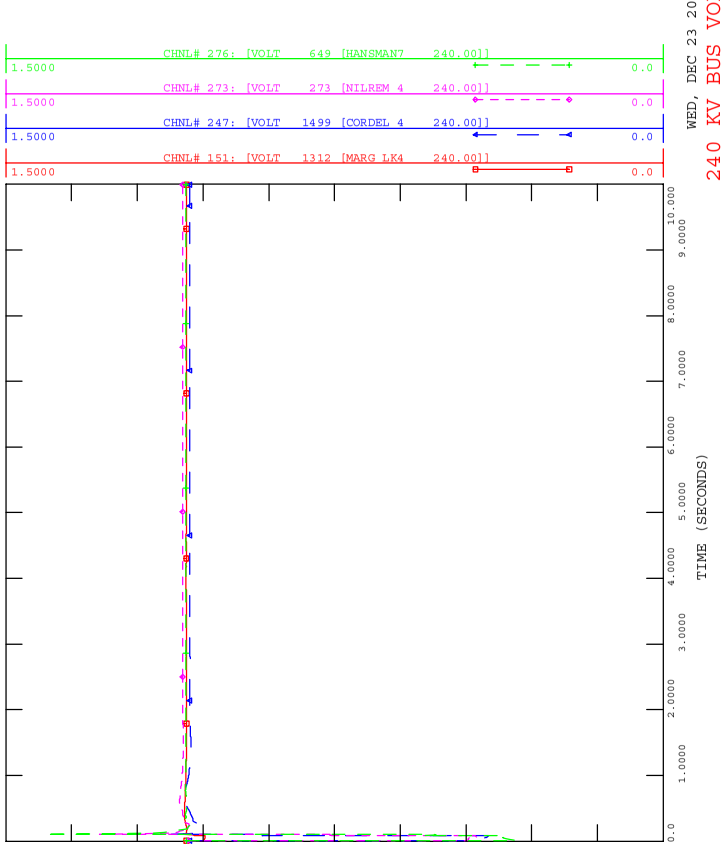


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

240 KV BUS VOLTAGES

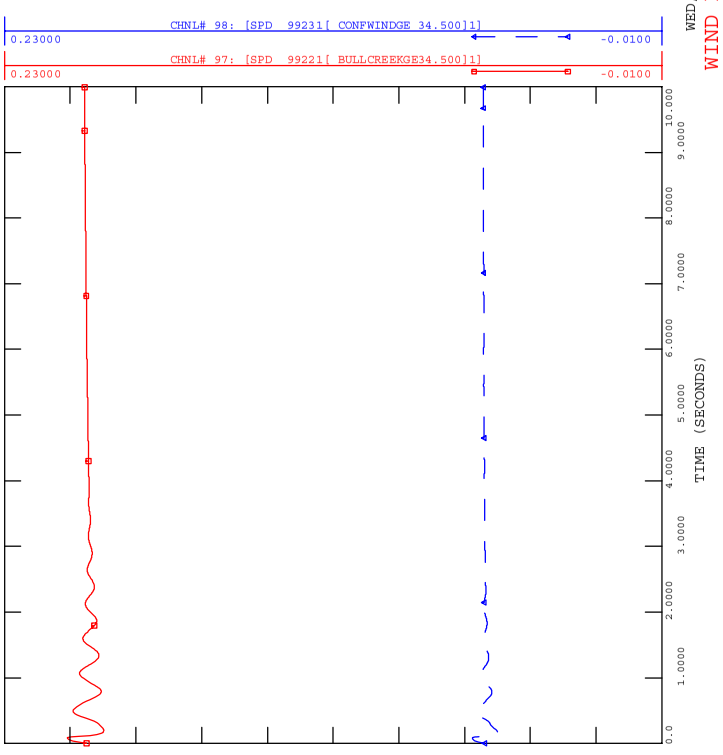


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

WIND MACHINE SPEED

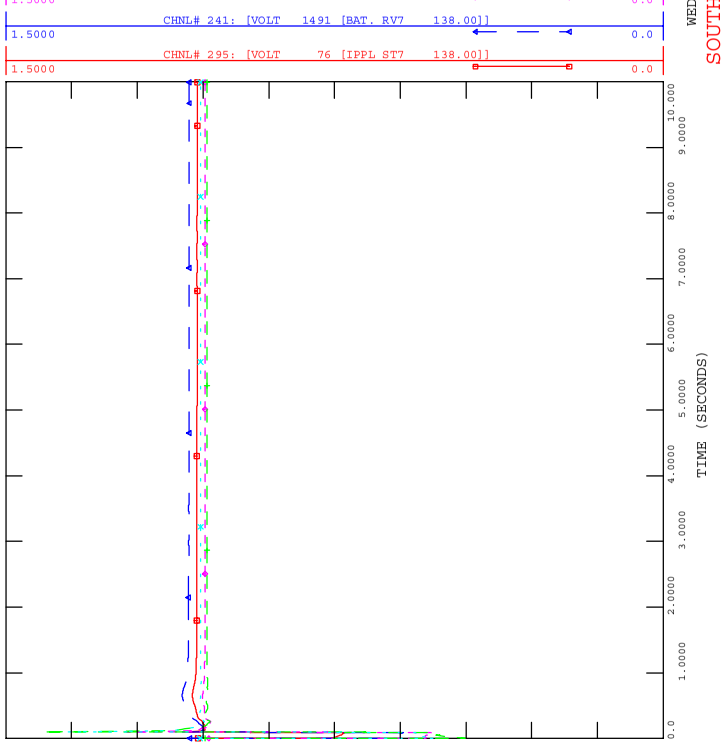


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

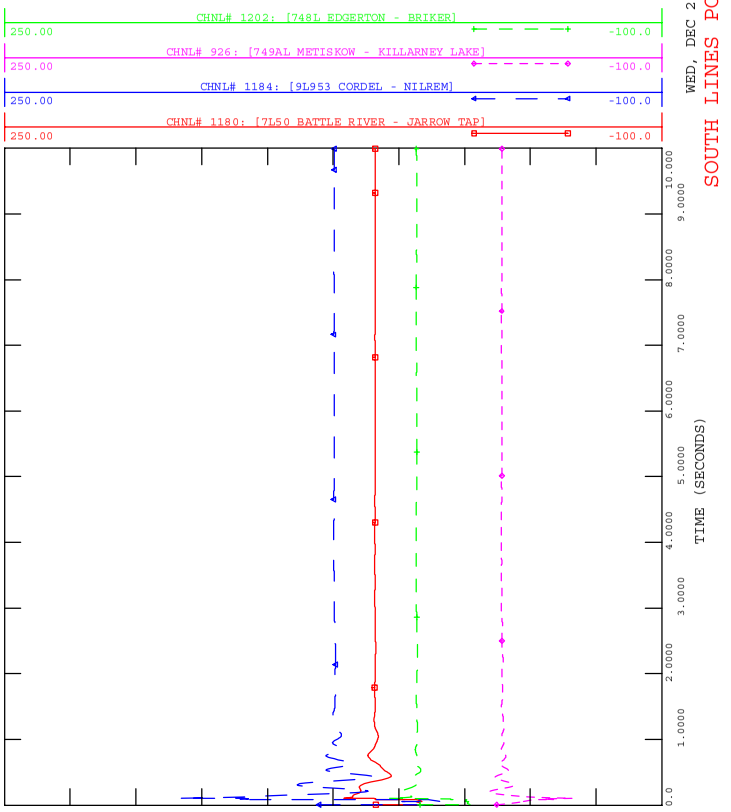
WED, DEC 23 2009 14:06

SOUTH BUS VOLTAGES



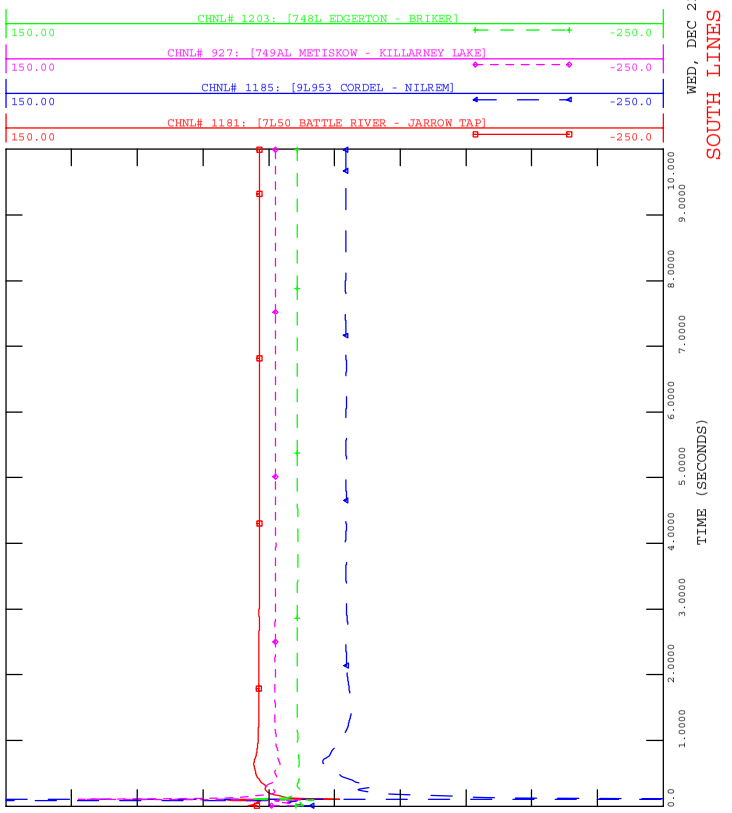
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out



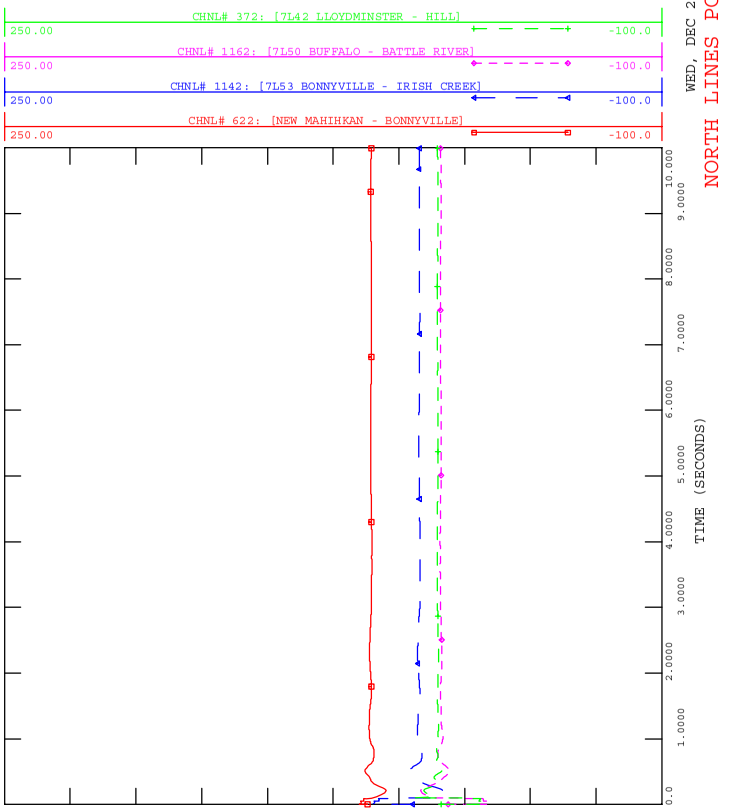
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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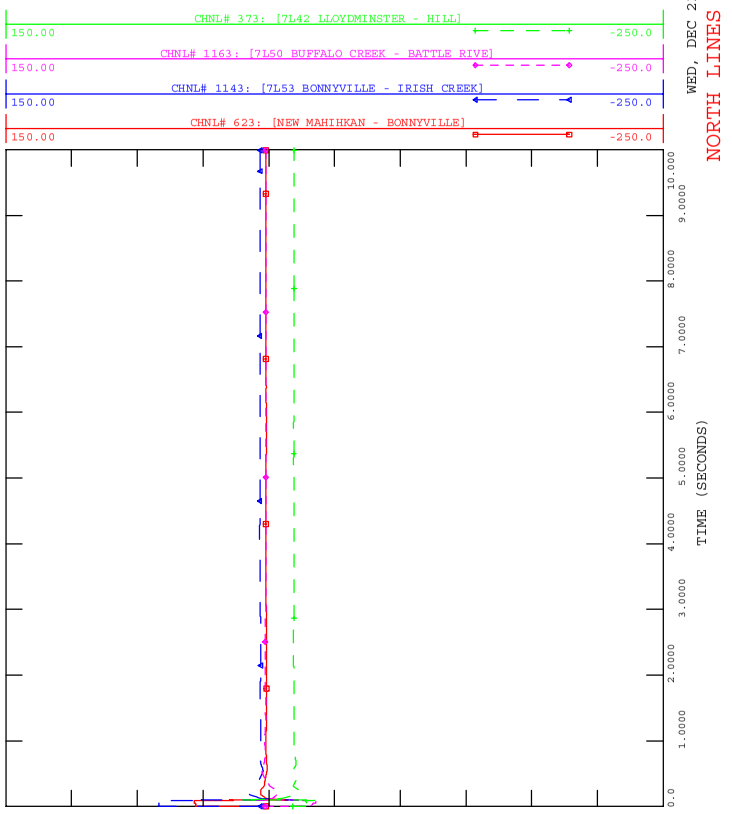
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

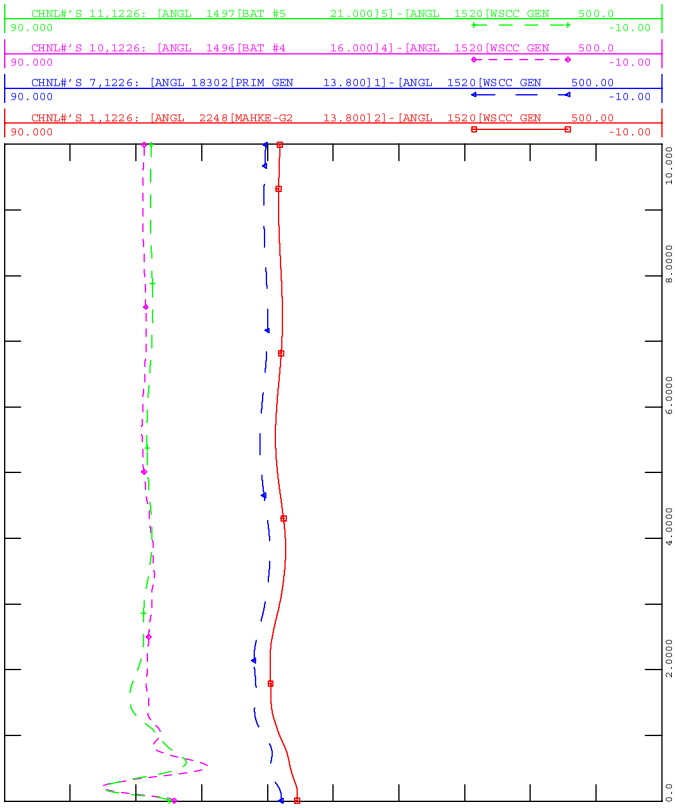


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

RELATIVE ROTOR ANGLES

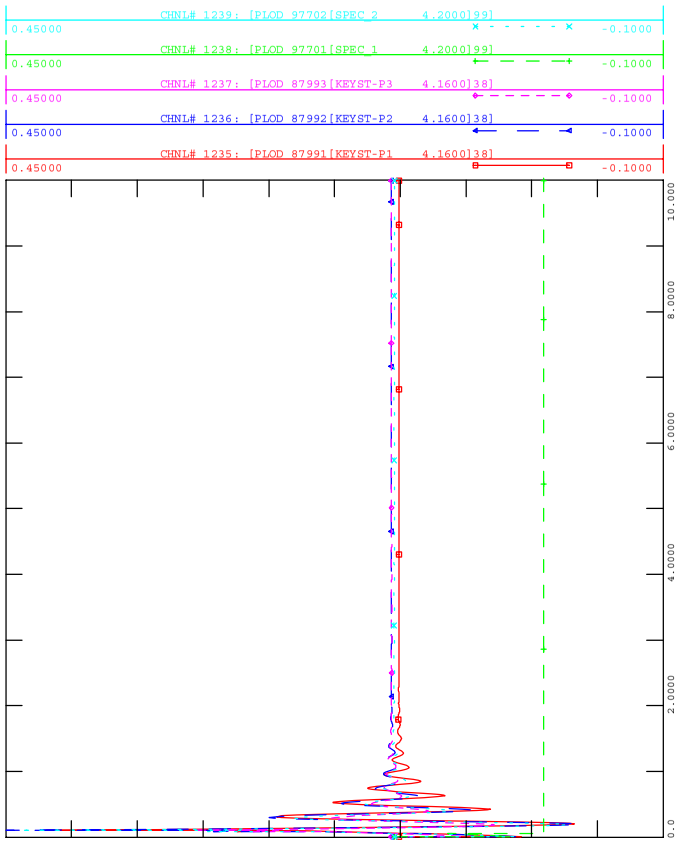


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

MOTOR LOADS GROUP II

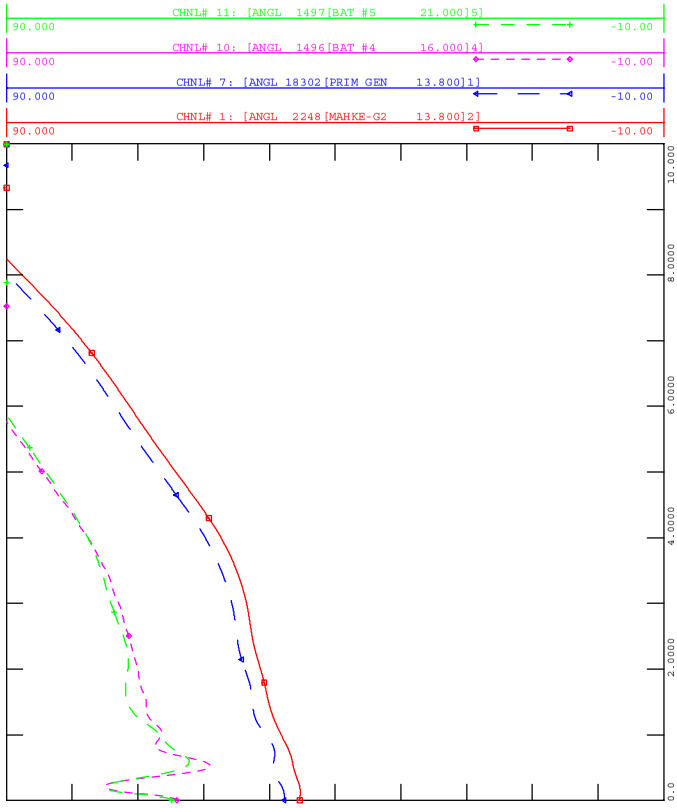


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

WED, DEC 23 2009 14:06

ROTOR ANGLES

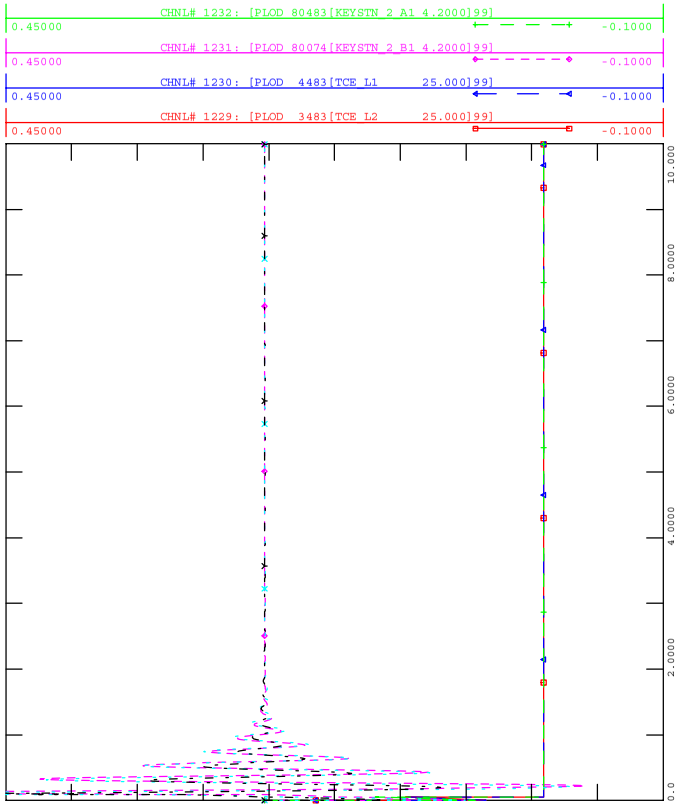


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C3-12Faultout.out

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MOTOR LOADS GROUP I

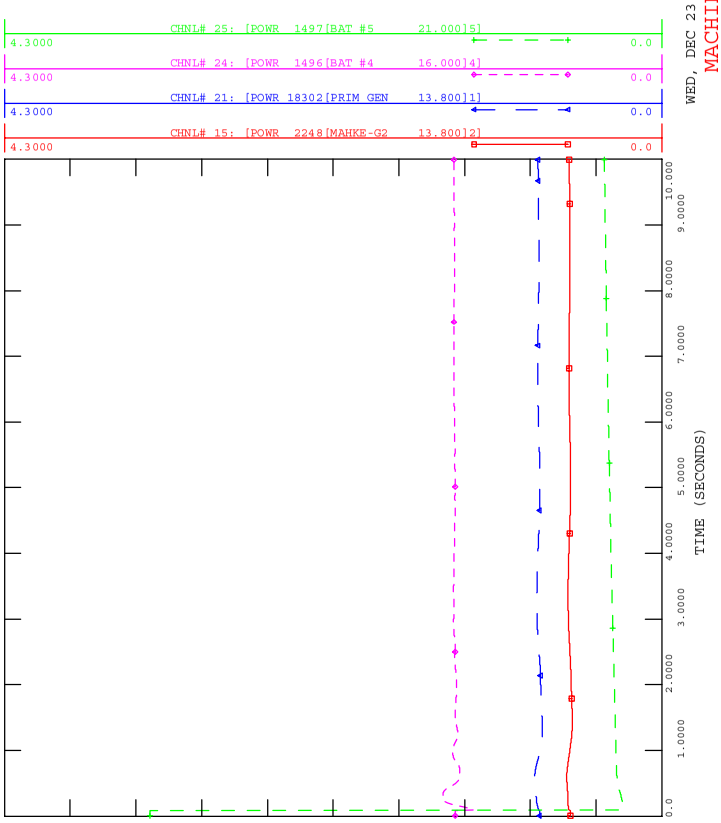


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

MACHINE POWER

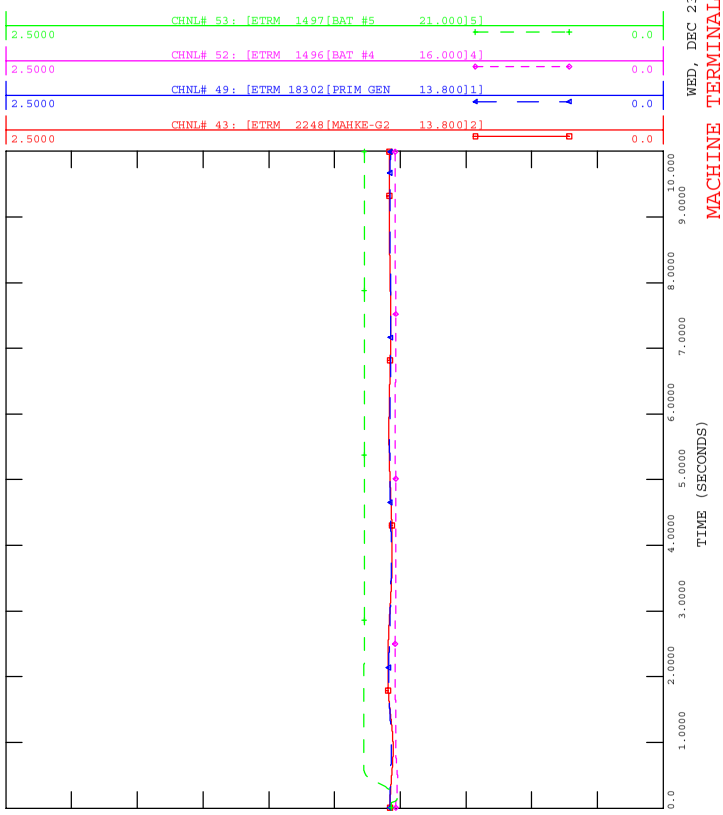


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

MACHINE TERMINAL VOLTAGE

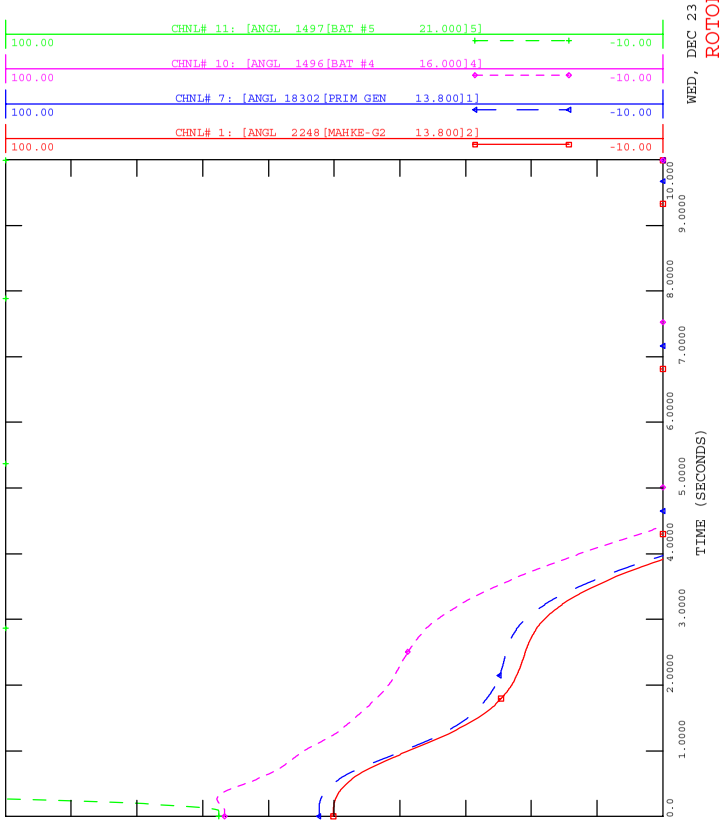


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

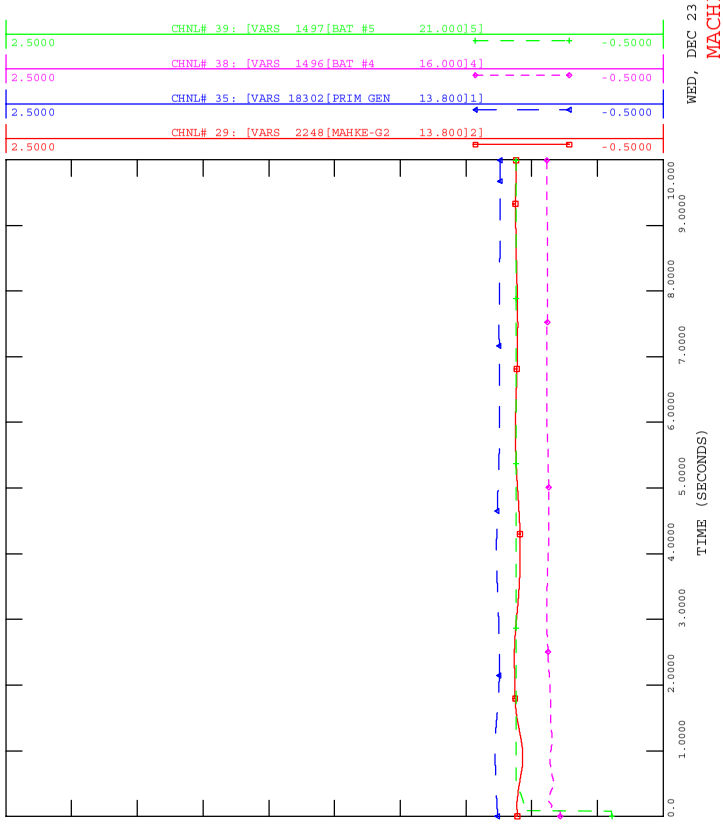


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

MACHINE VARS

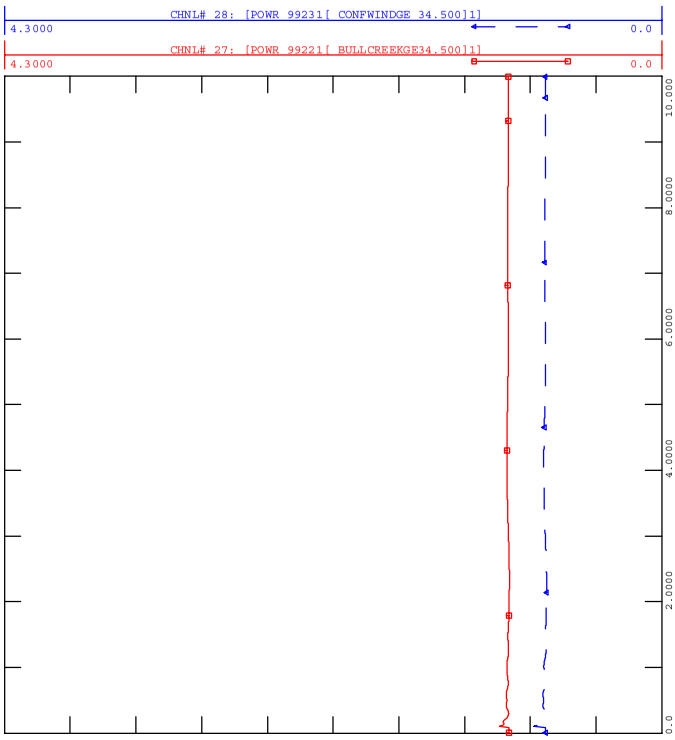


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

WIND MACHINE POWER

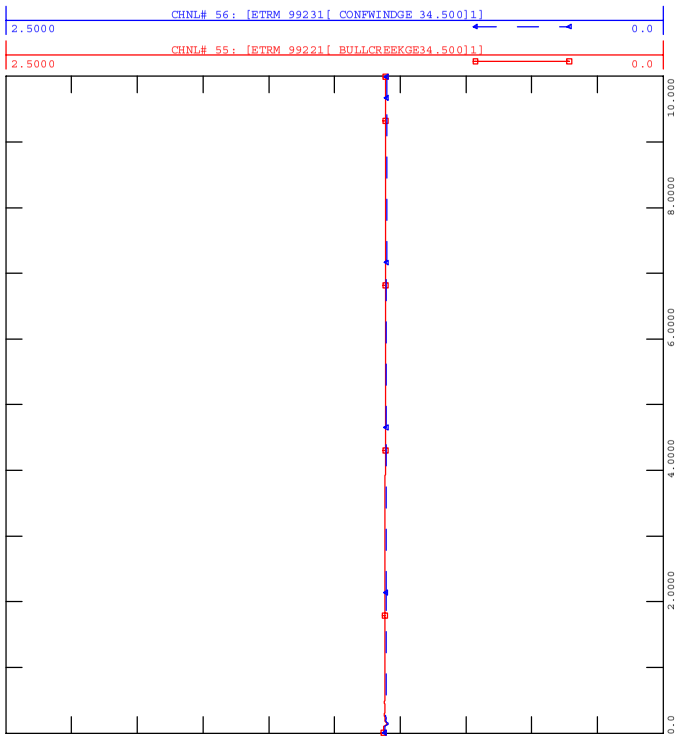


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

WIND MACH. TERMINAL VOLTS

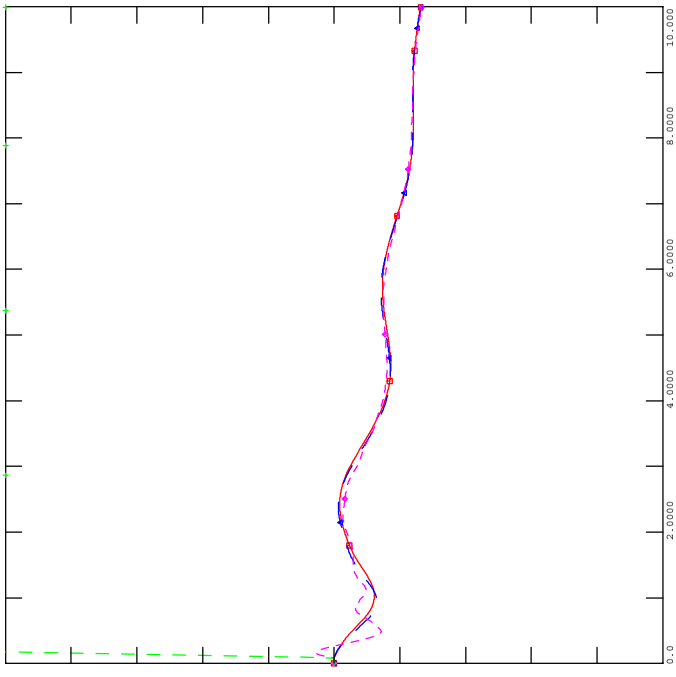


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

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MACHINE SPEED

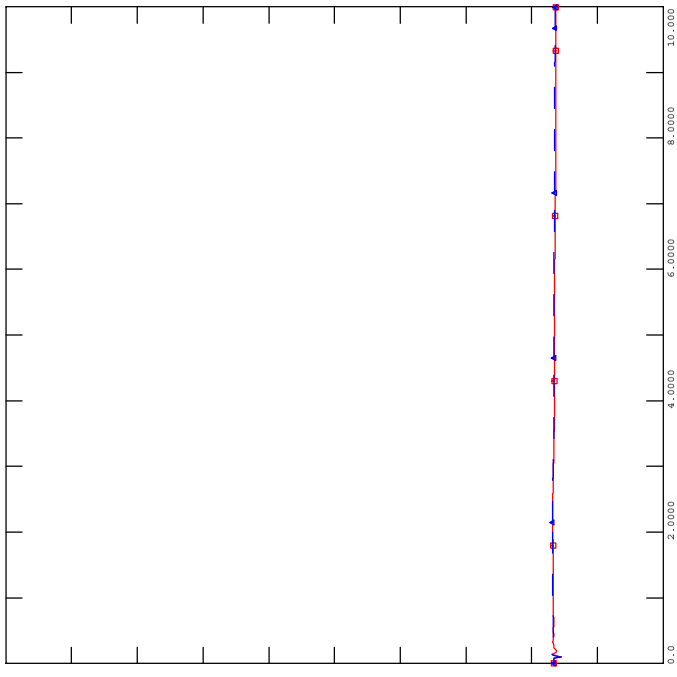


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

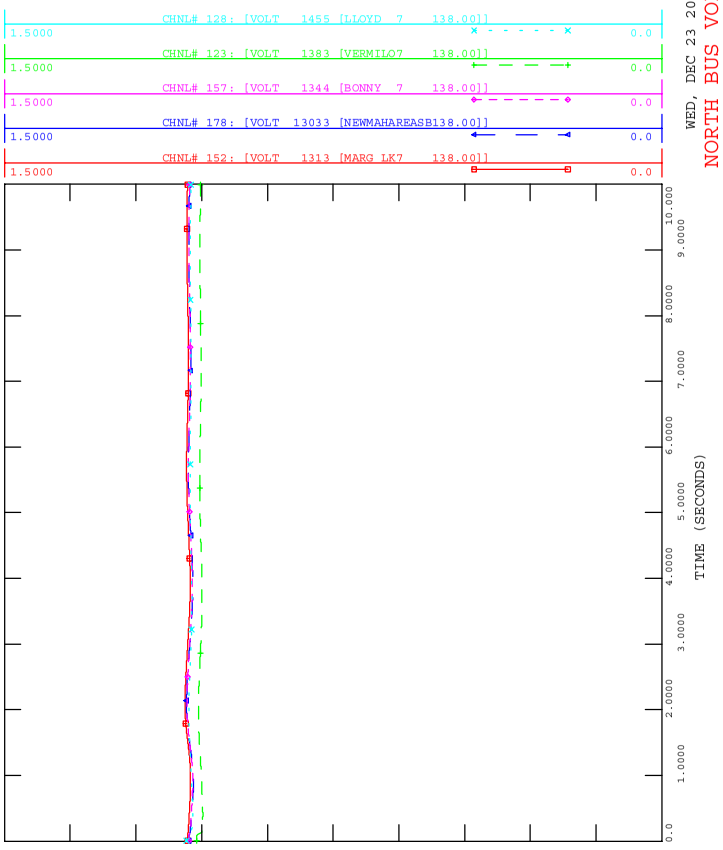


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

NORTH BUS VOLTAGES

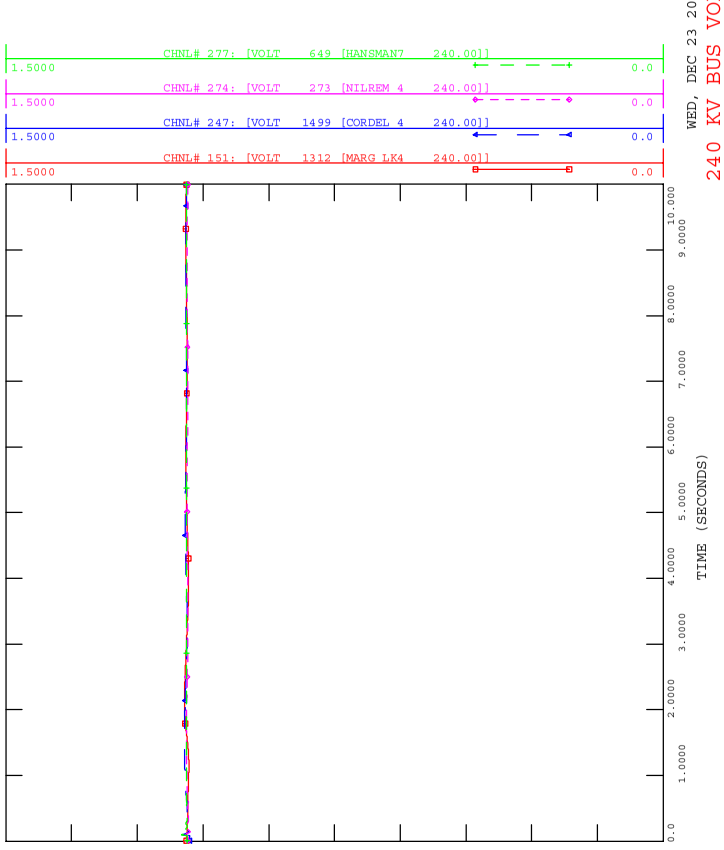


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

240 KV BUS VOLTAGES

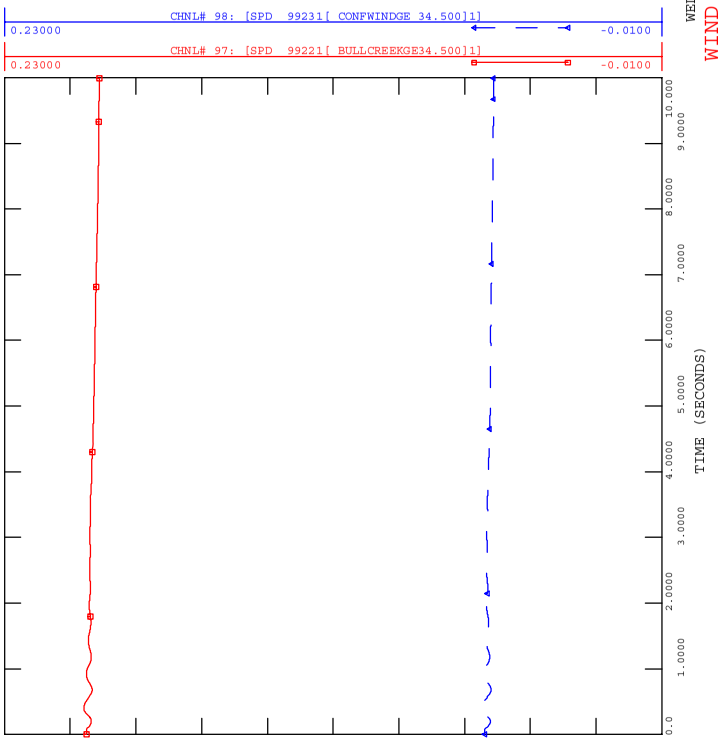


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

WIND MACHINE SPEED

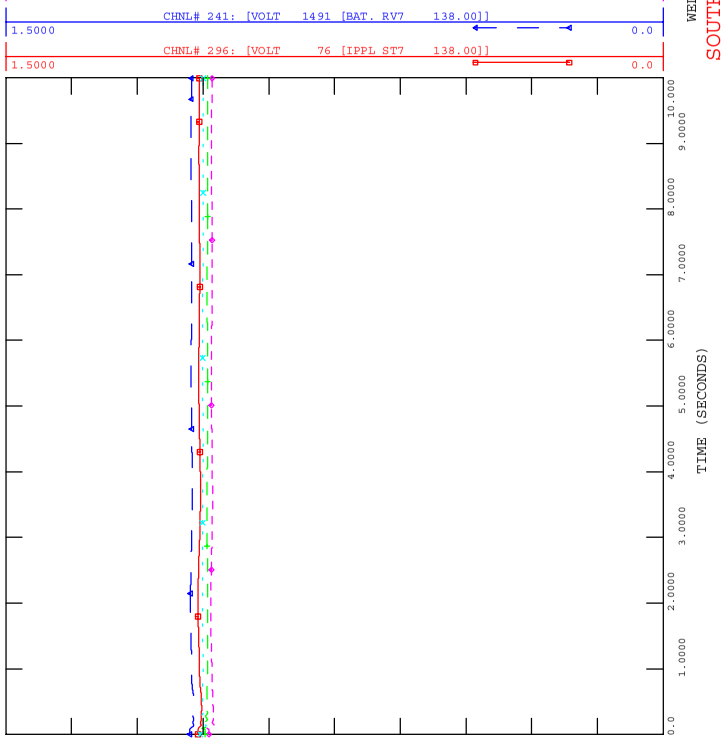


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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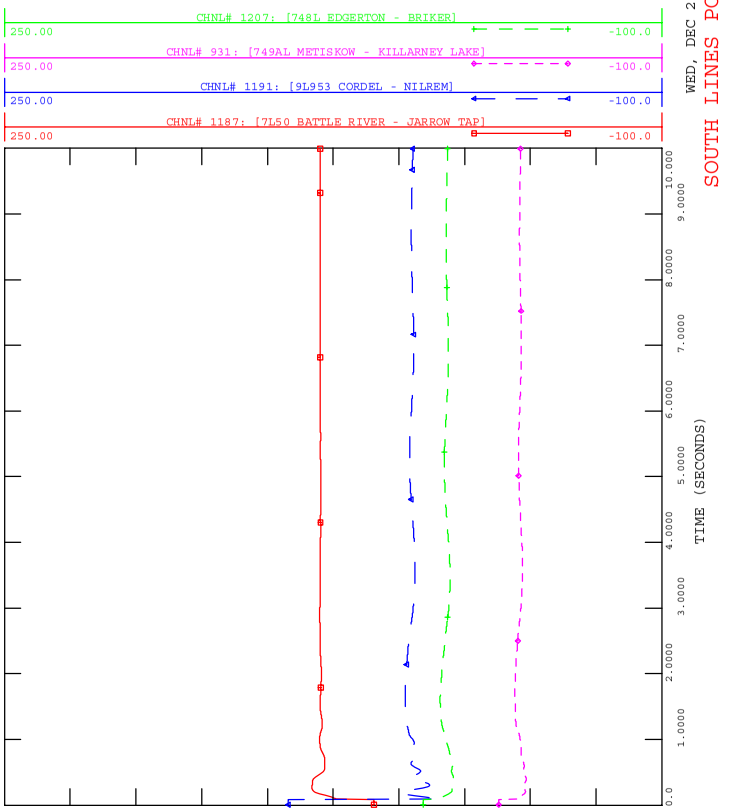
WED, DEC 23 2009 14:59

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

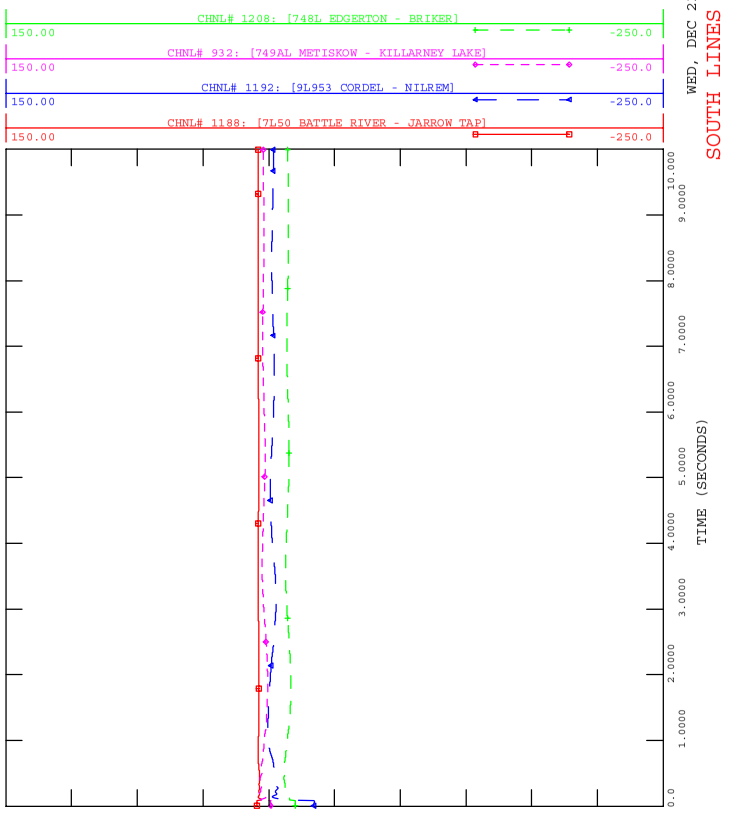


WED, DEC 23 2009 14:59

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

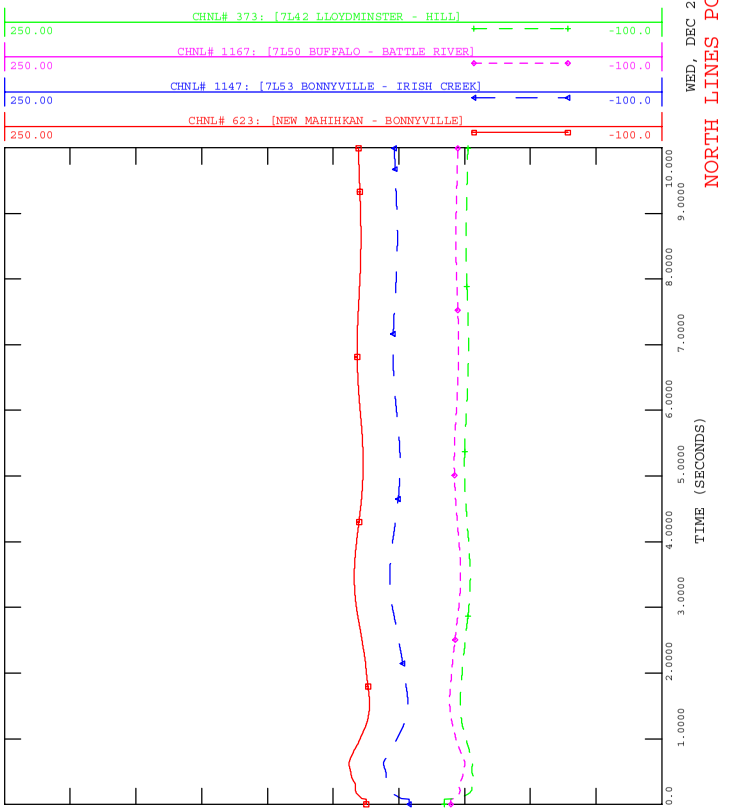


WED, DEC 23 2009 14:59

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

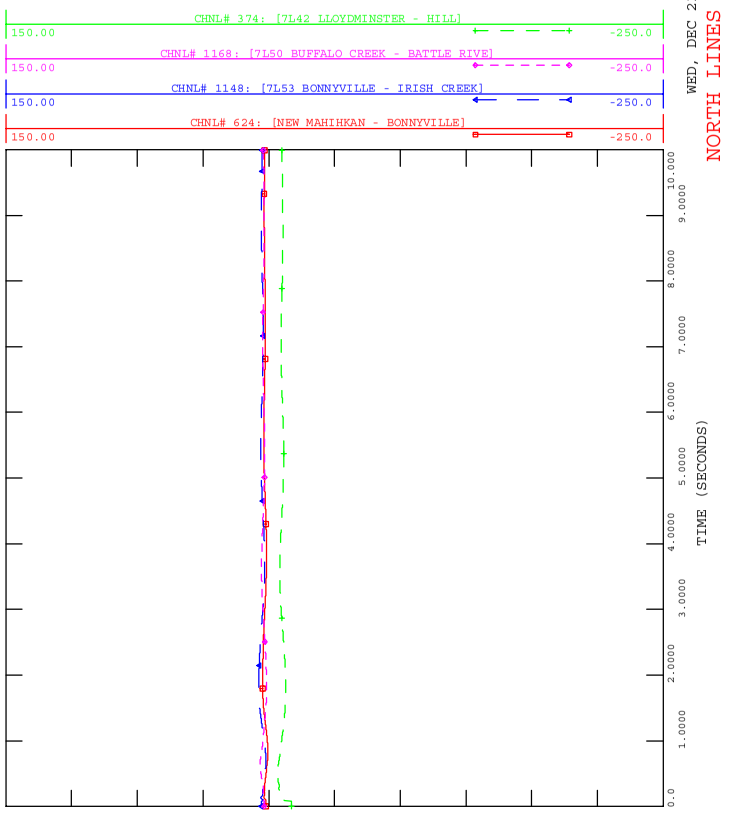


WED, DEC 23 2009 14:59

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out



WED, DEC 23 2009 14:59

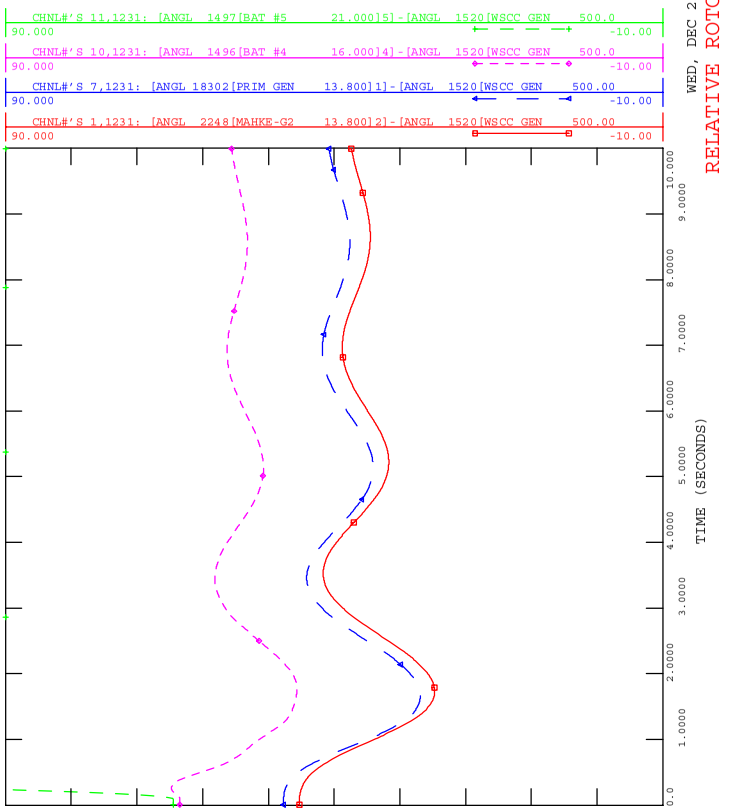
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

RELATIVE ROTOR ANGLES

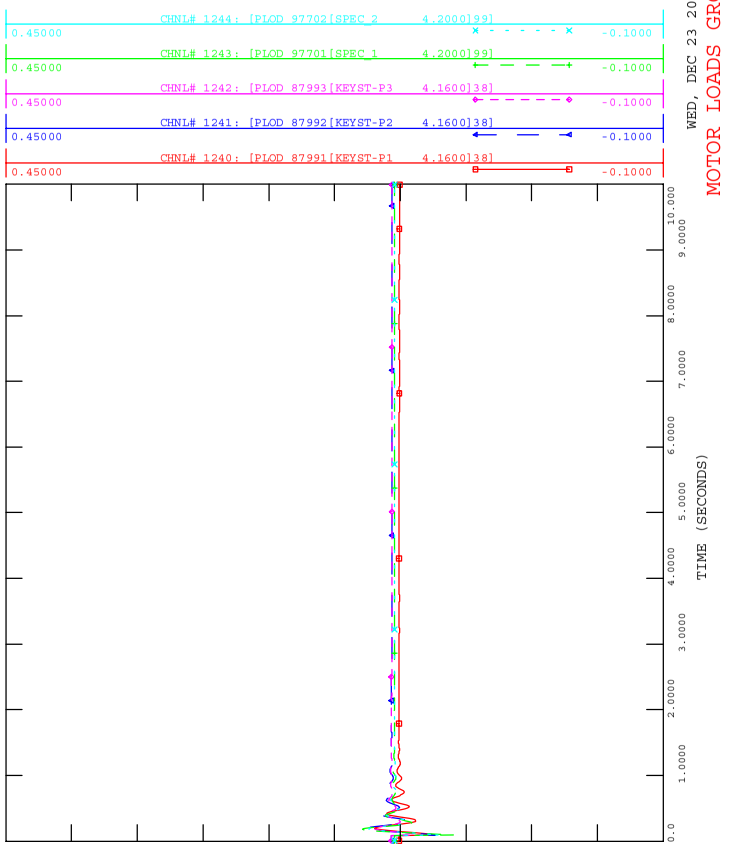


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

MOTOR LOADS GROUP II

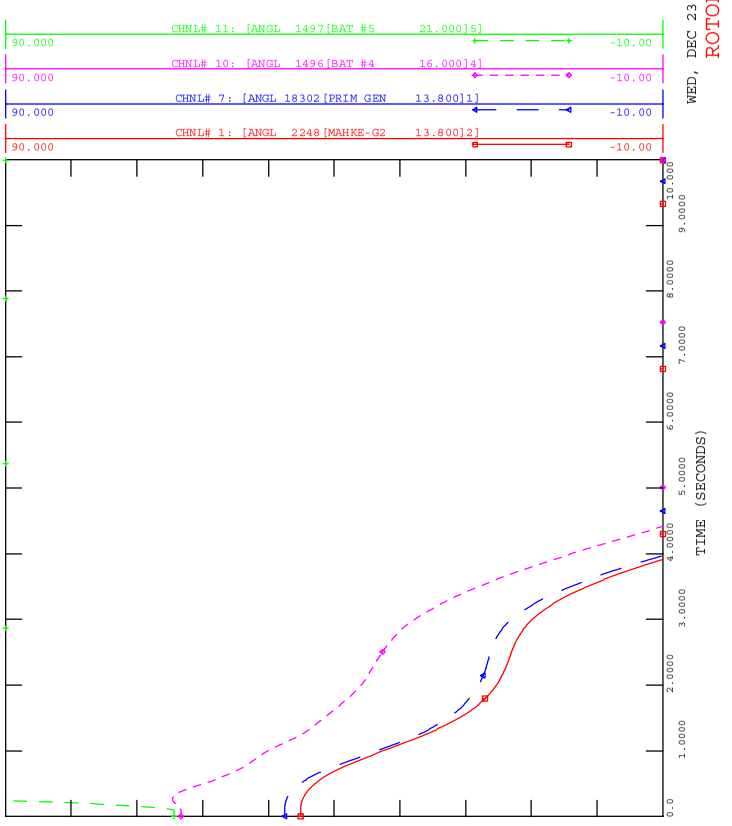


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

ROTOR ANGLES

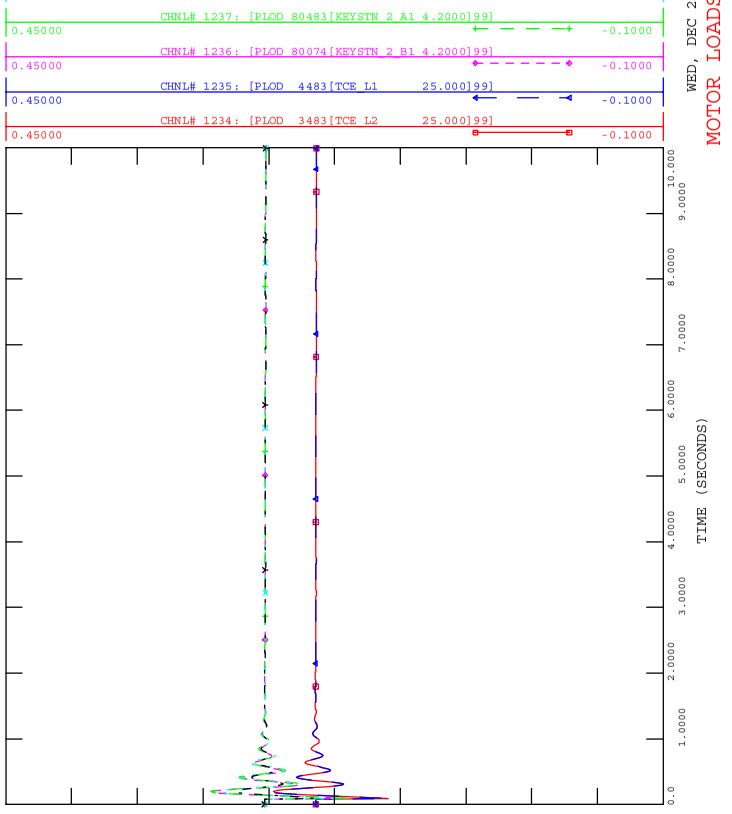


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-1Fault.out

WED, DEC 23 2009 14:59

MOTOR LOADS GROUP I

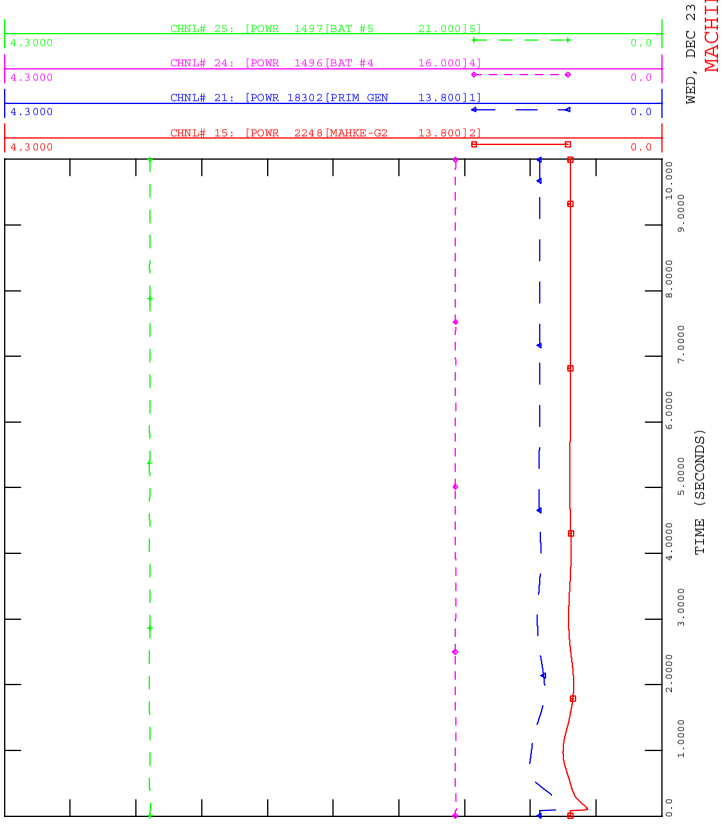


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

WED, DEC 23 2009 14:59

MACHINE POWER

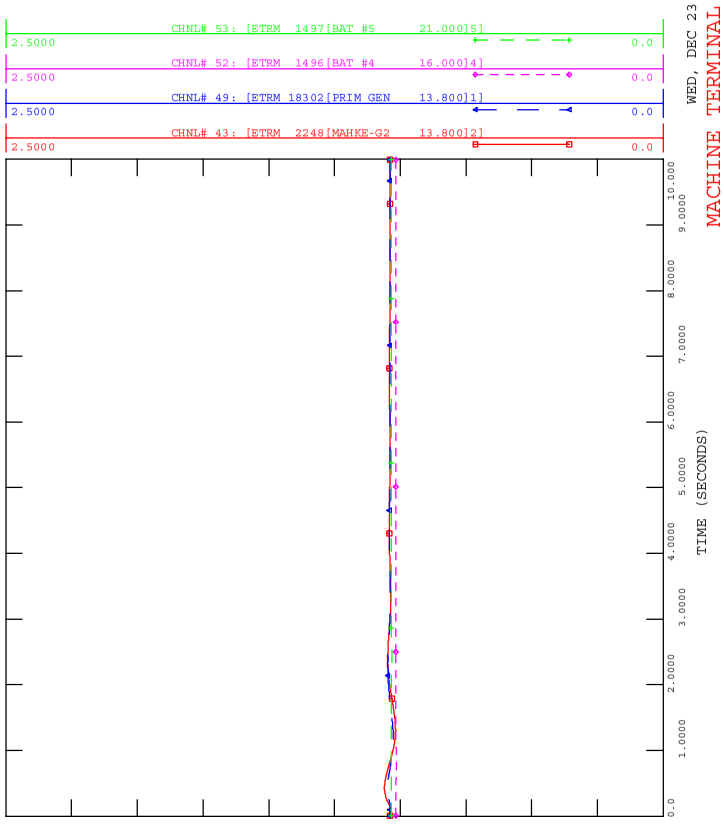


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

WED, DEC 23 2009 14:59

MACHINE TERMINAL VOLTAGE

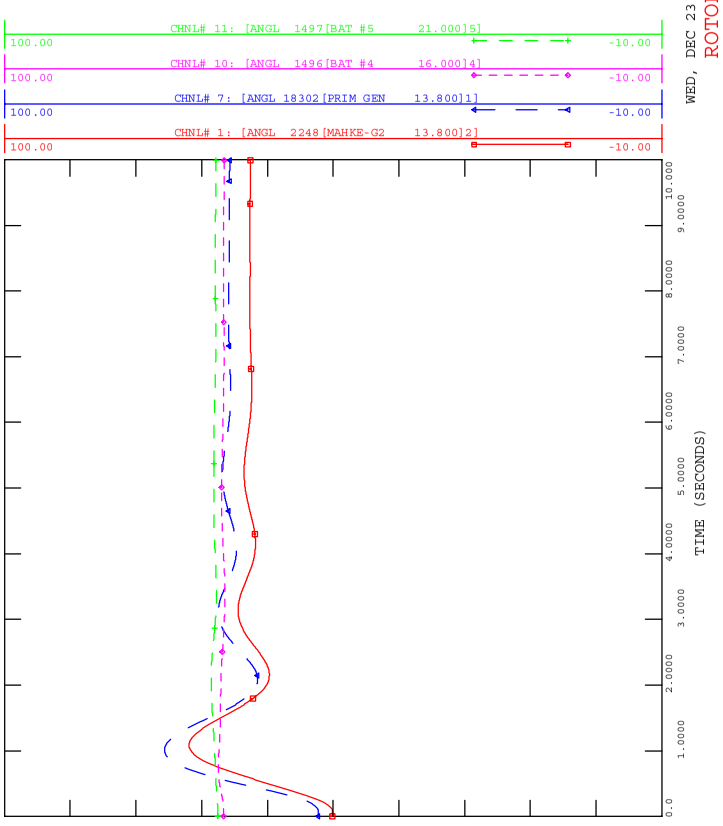


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

WED, DEC 23 2009 14:59

ROTOR ANGLES

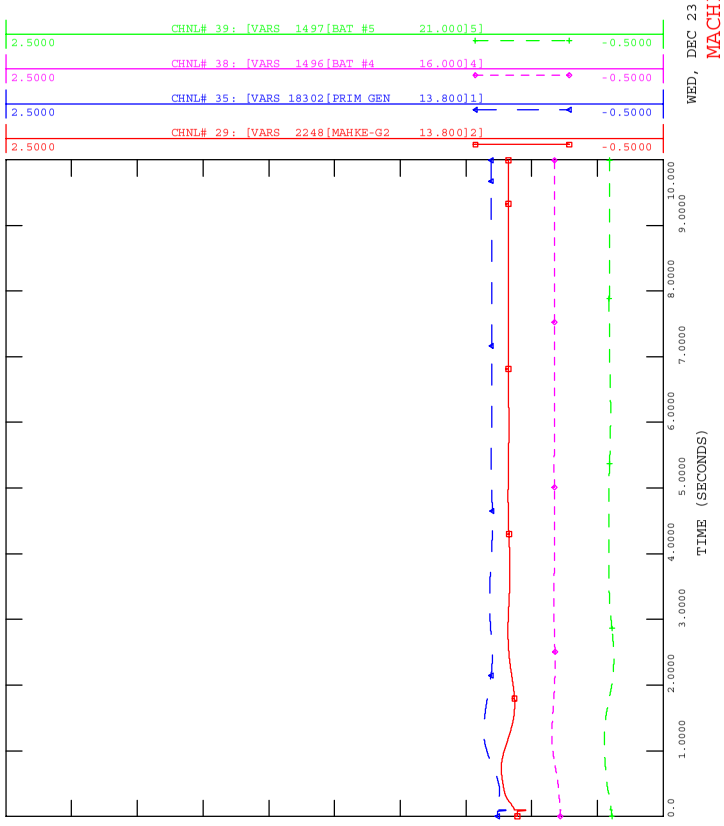


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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MACHINE VARS

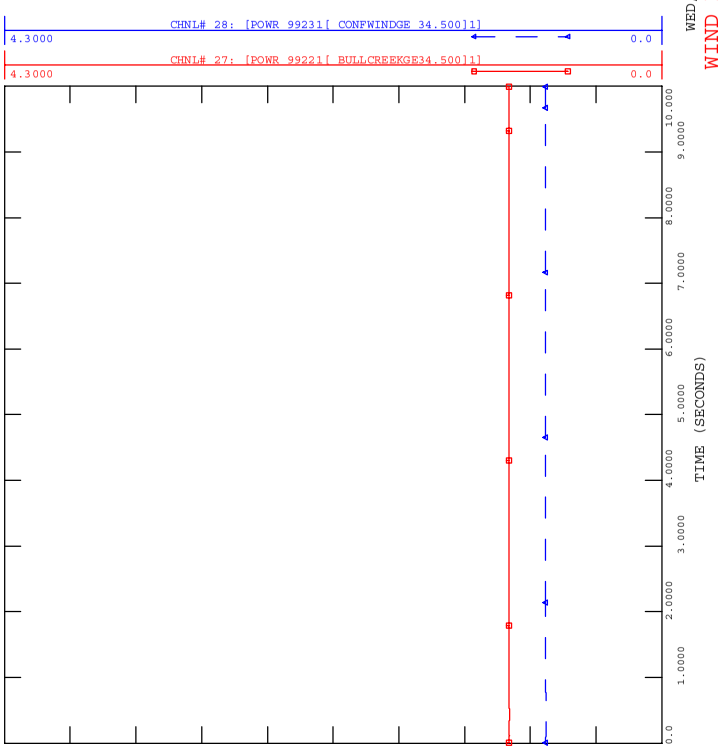


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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WIND MACHINE POWER

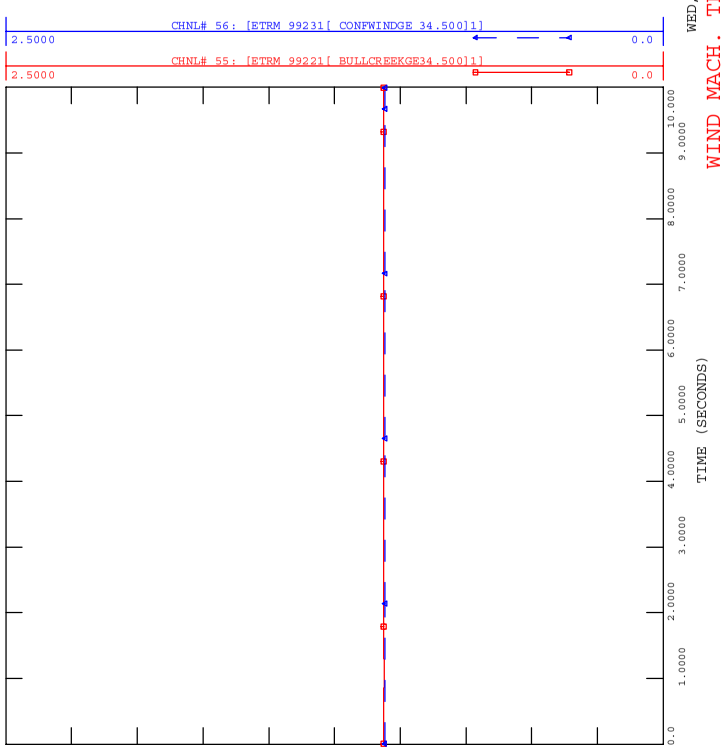


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

WED, DEC 23 2009 14:59

WIND MACH. TERMINAL VOLTS

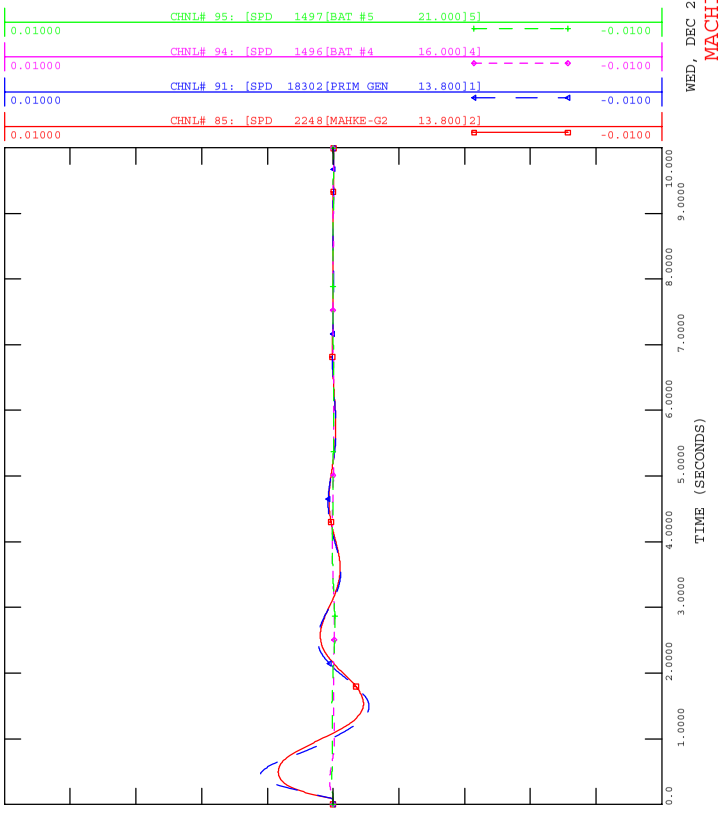


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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MACHINE SPEED

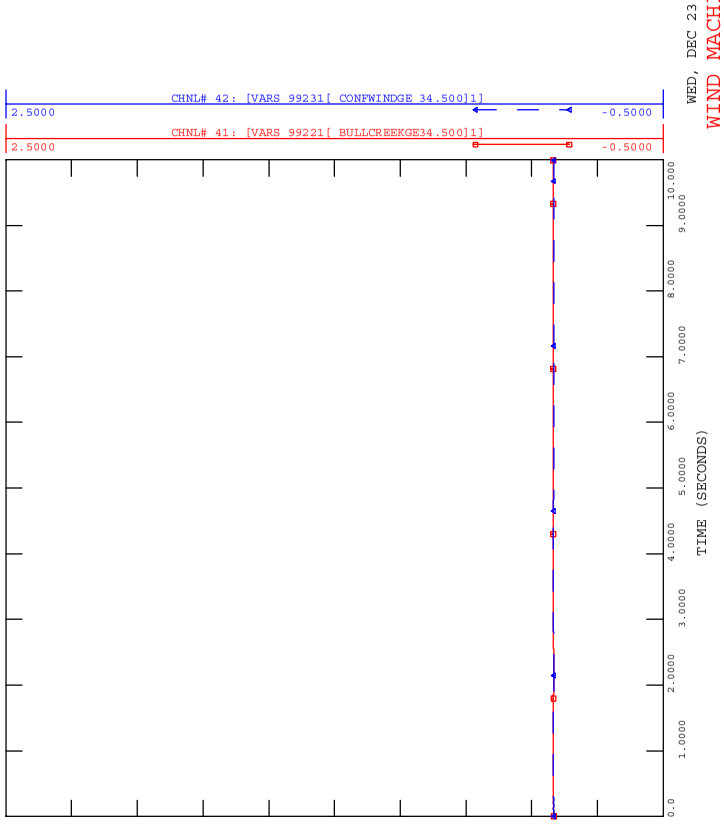


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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WIND MACHINE VARS

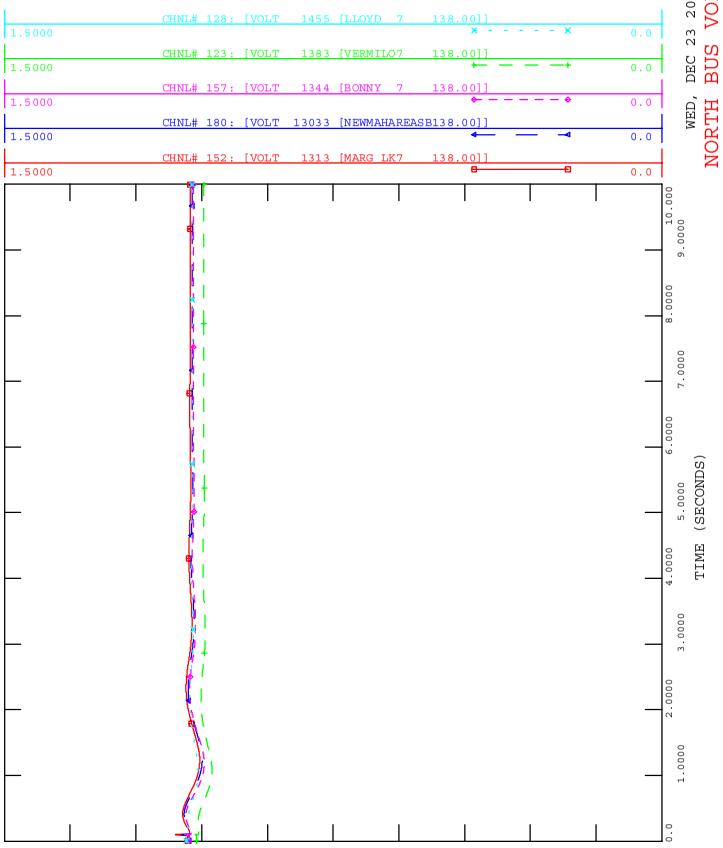


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH BUS VOLTAGES

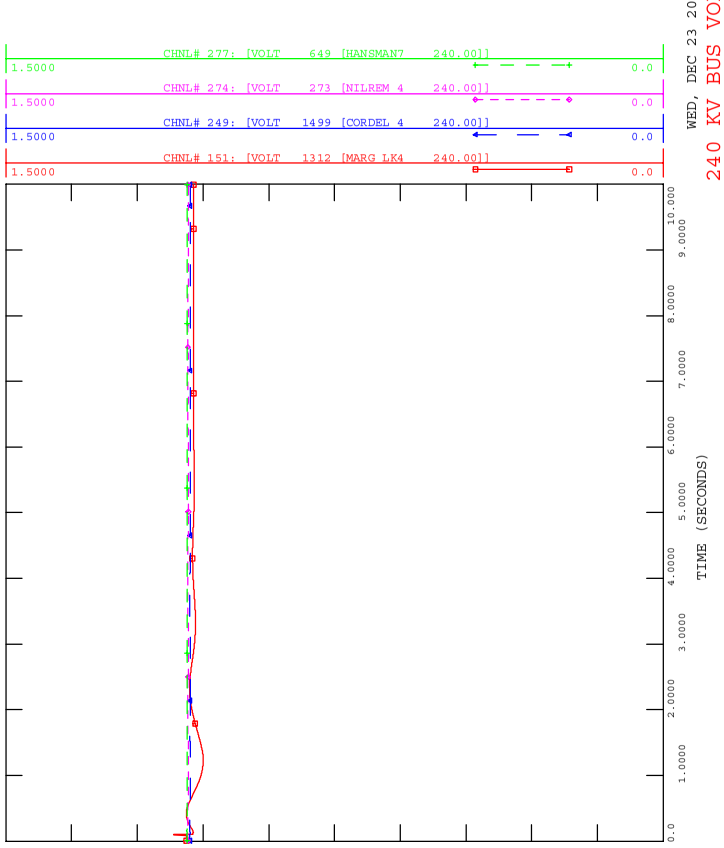


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

WED, DEC 23 2009 14:59

240 KV BUS VOLTAGES

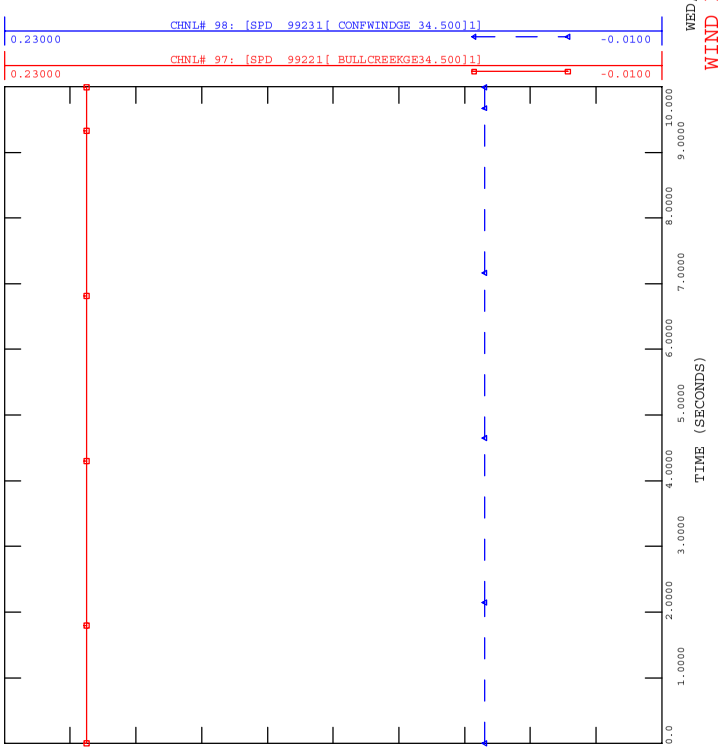


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:59

WIND MACHINE SPEED

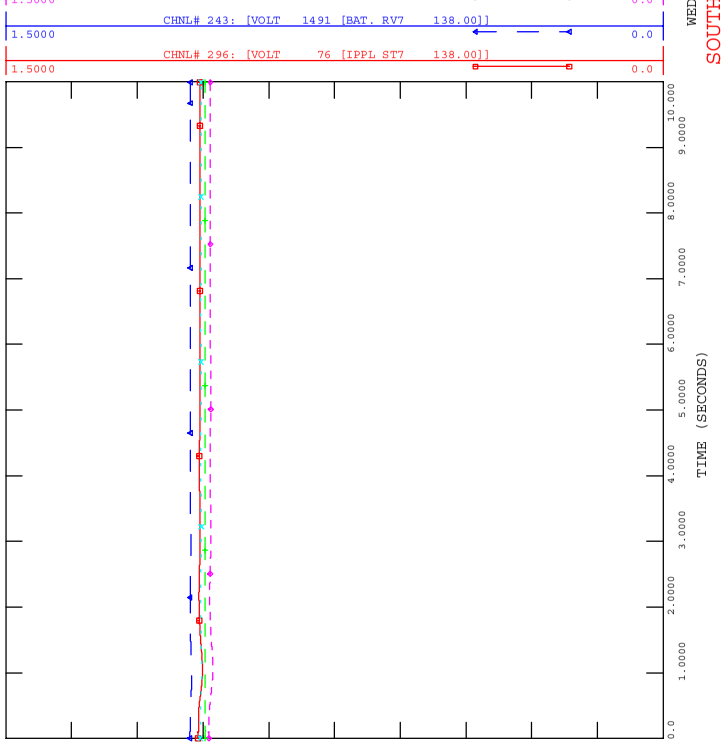


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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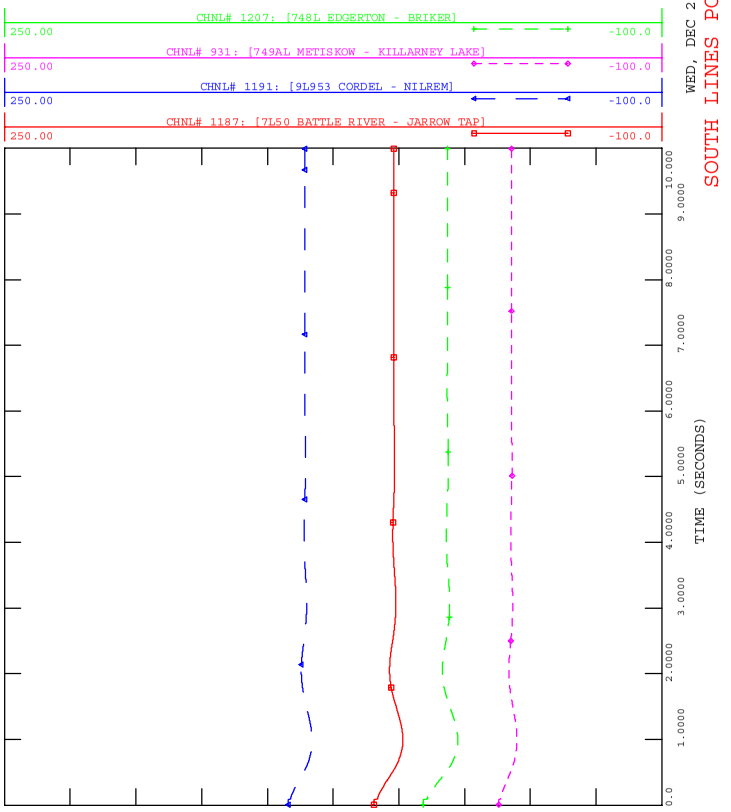
WED, DEC 23 2009 14:59

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

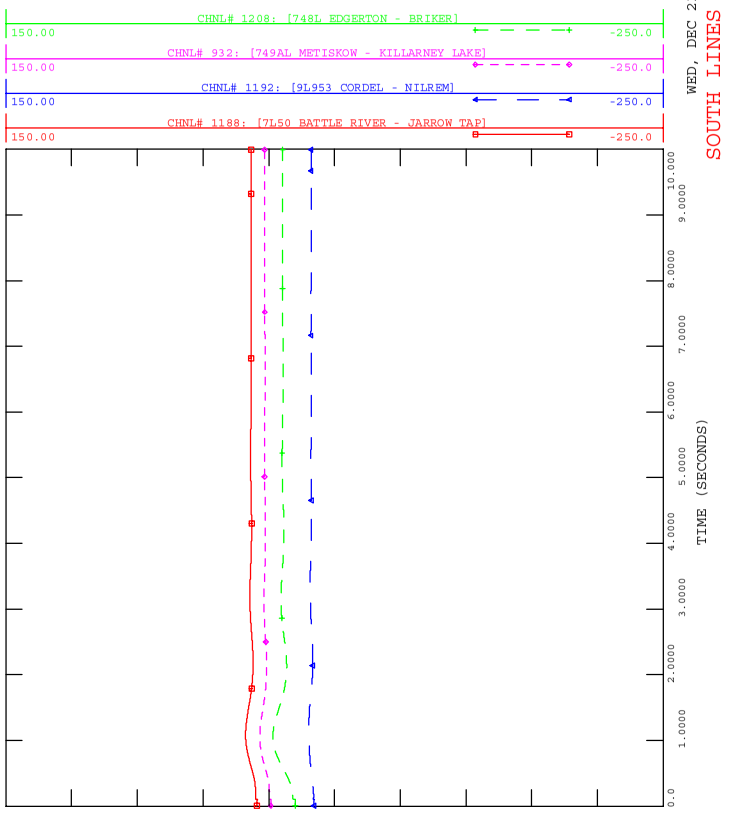


WED, DEC 23 2009 14:59

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

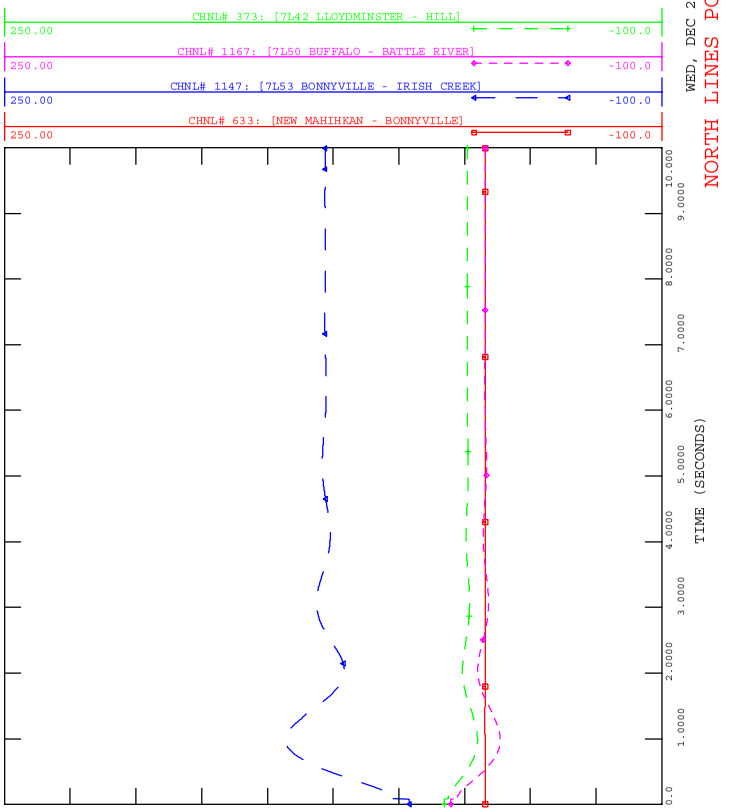


WED, DEC 23 2009 14:59

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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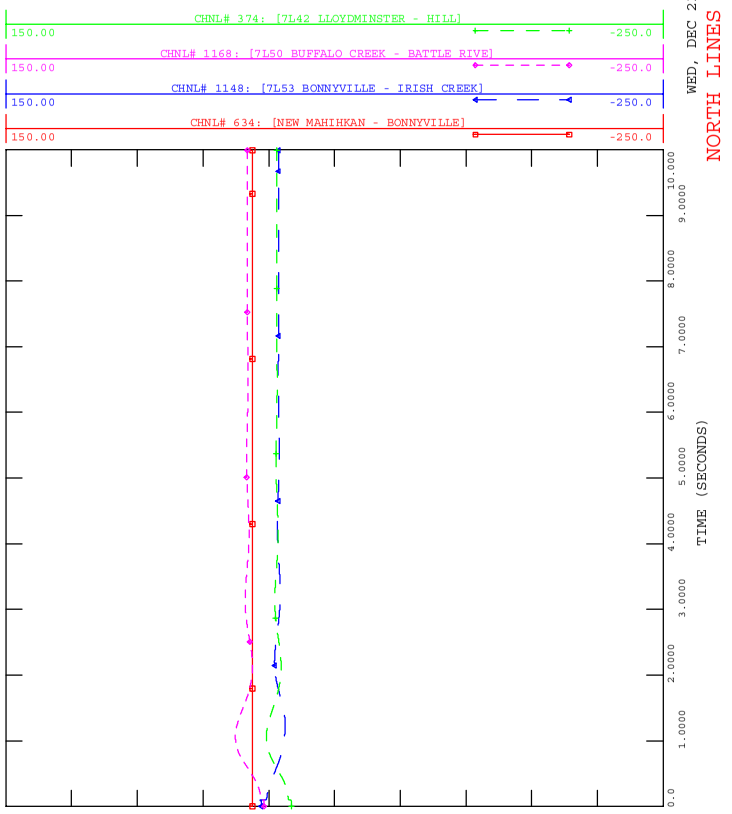


WED, DEC 23 2009 14:59

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out



WED, DEC 23 2009 14:59

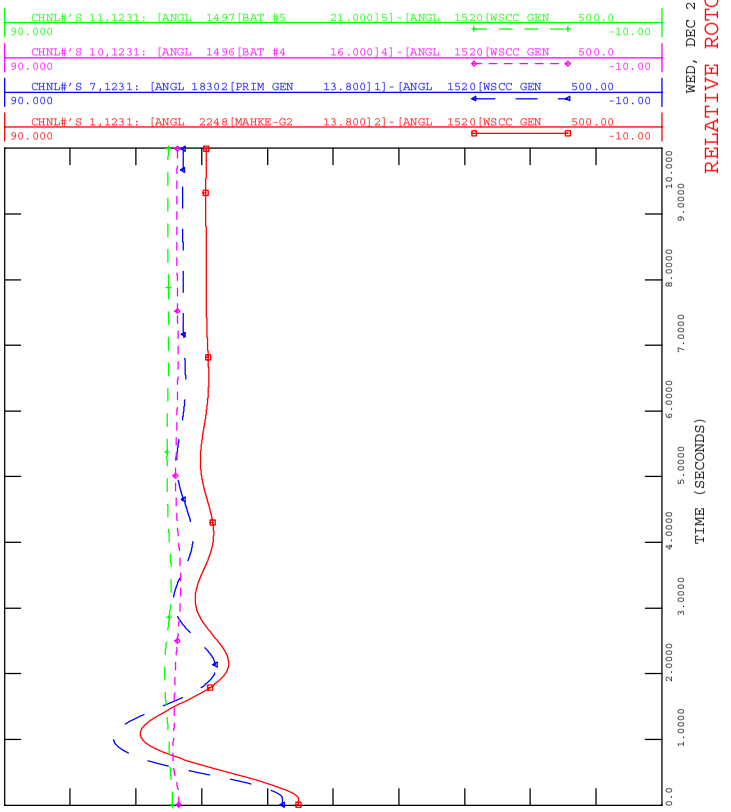
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

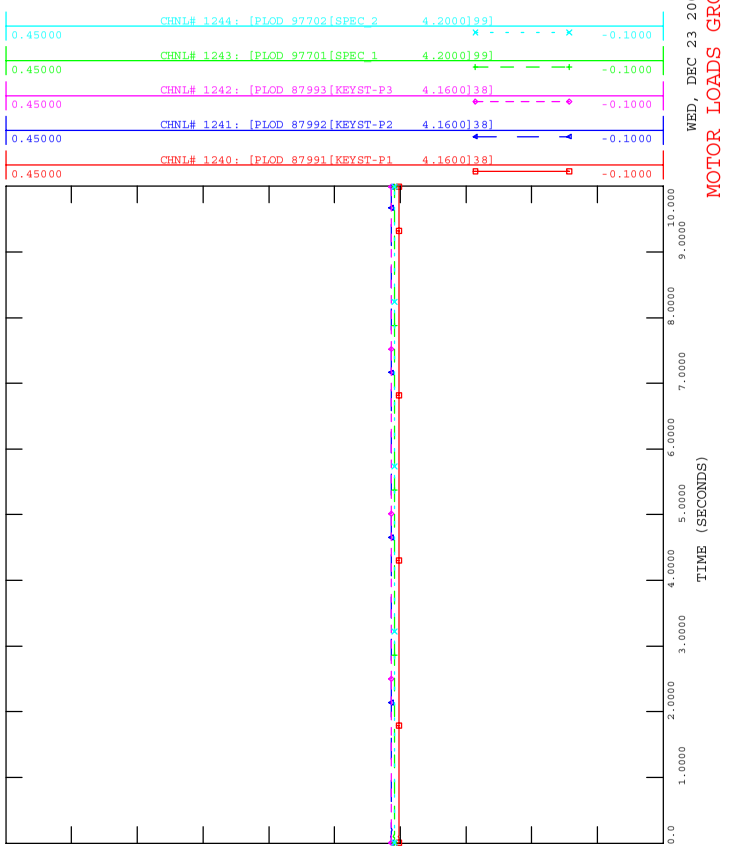


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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MOTOR LOADS GROUP II

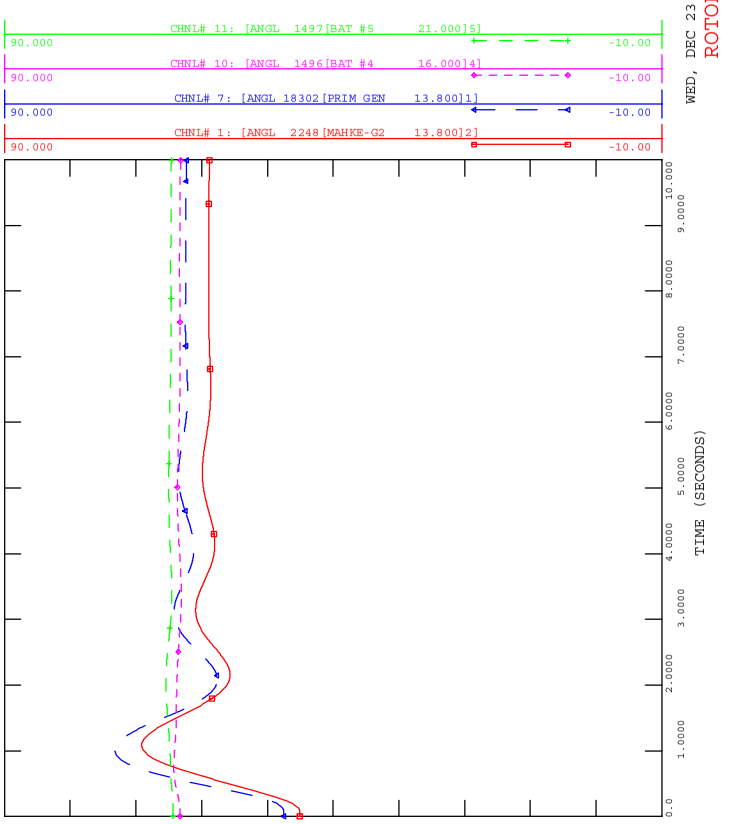


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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ROTOR ANGLES

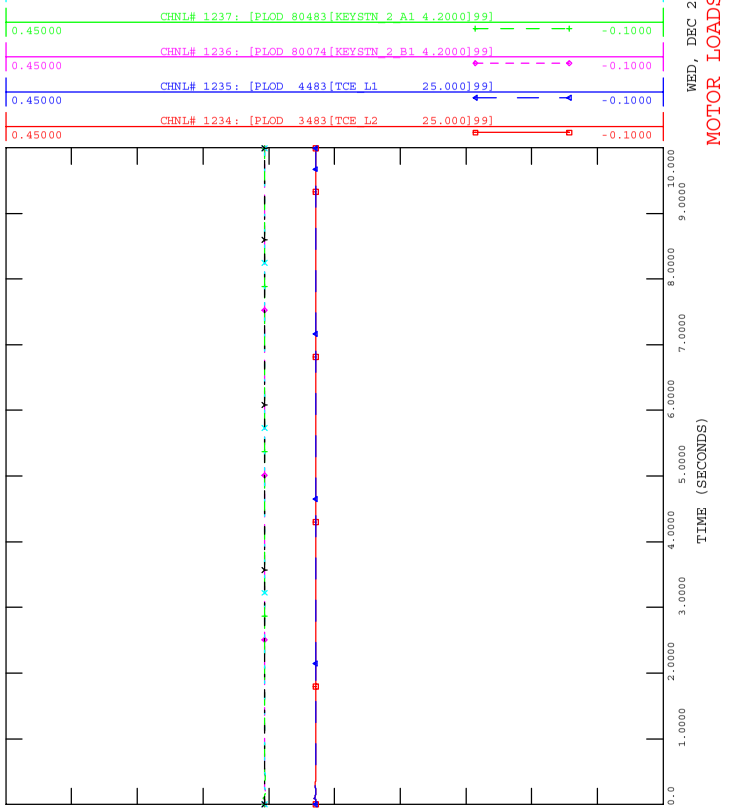


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-2Fault.out

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MOTOR LOADS GROUP I

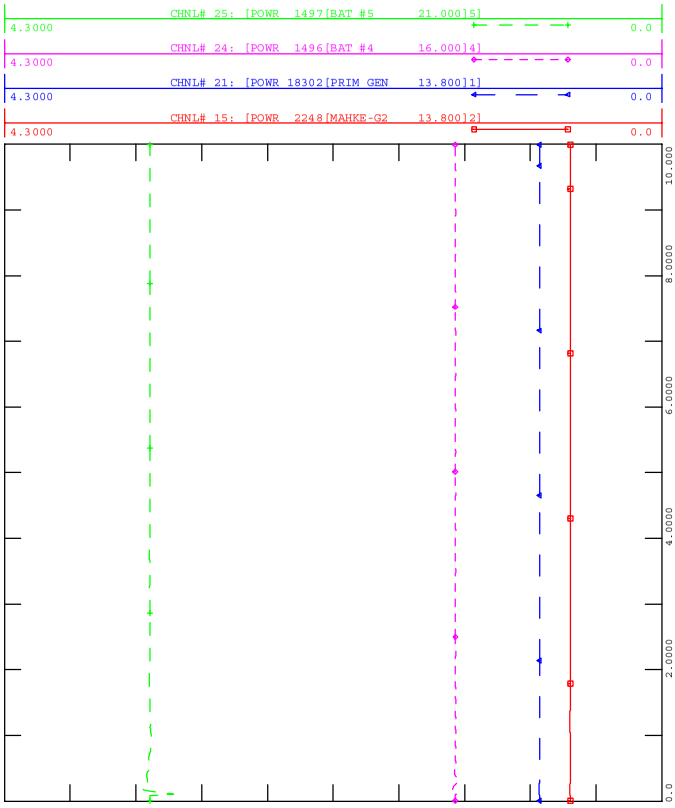


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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MACHINE POWER

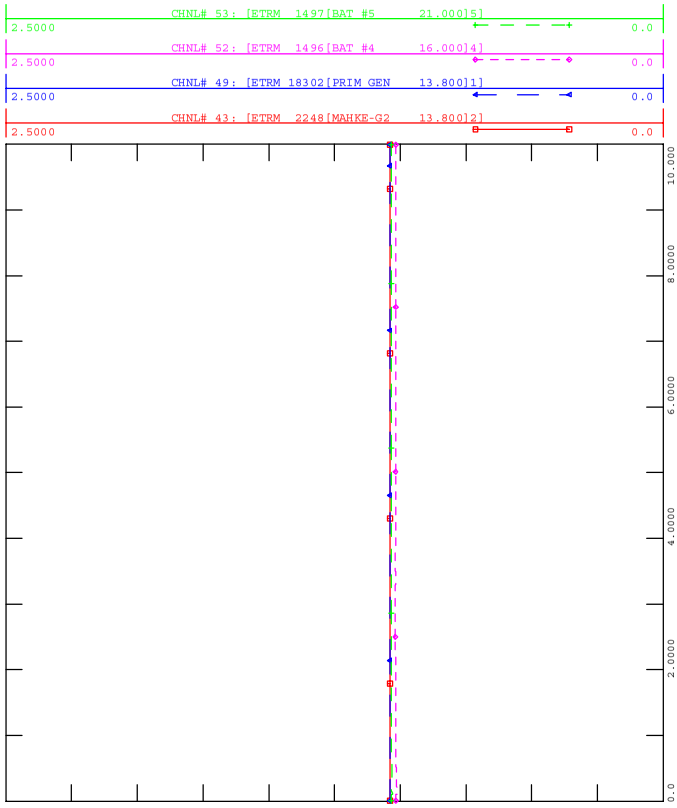


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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MACHINE TERMINAL VOLTAGE

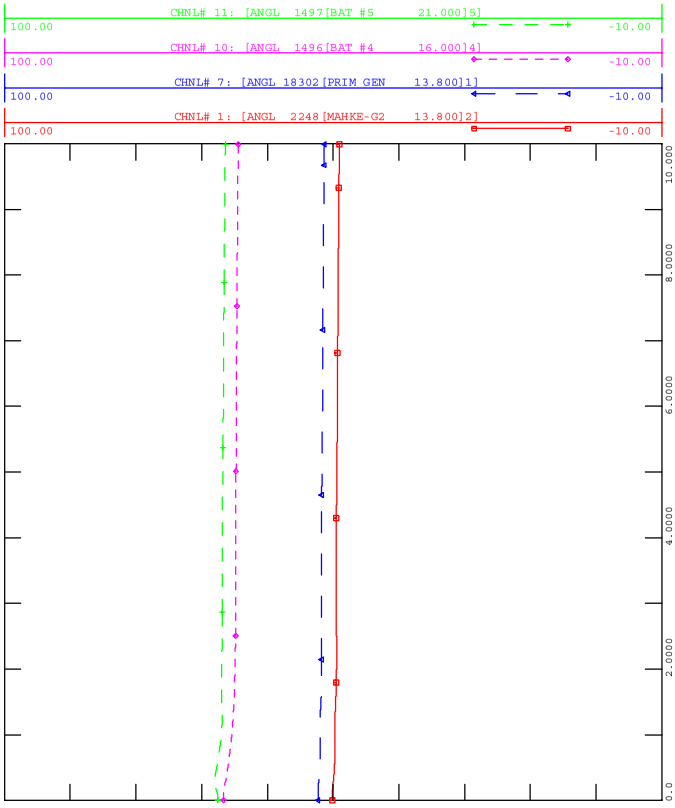


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

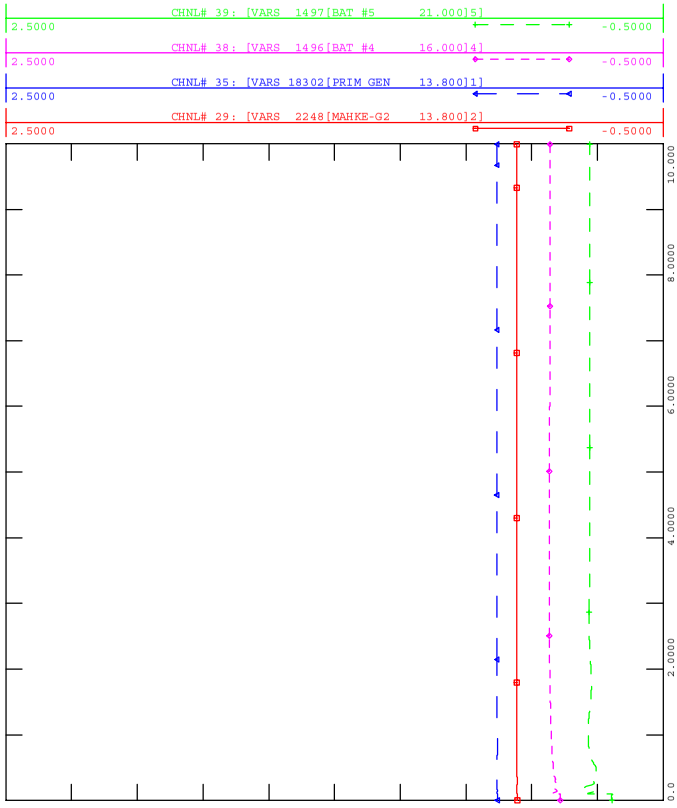


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

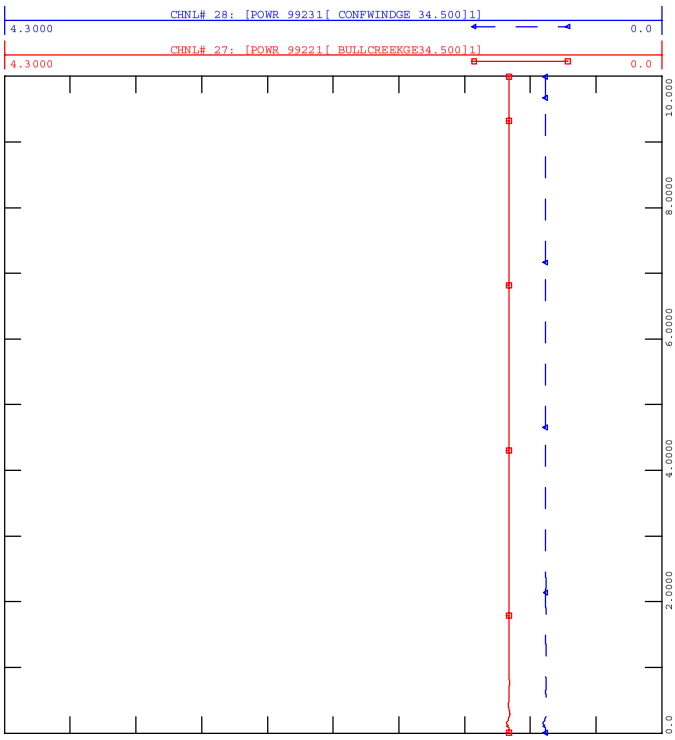


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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WIND MACHINE POWER

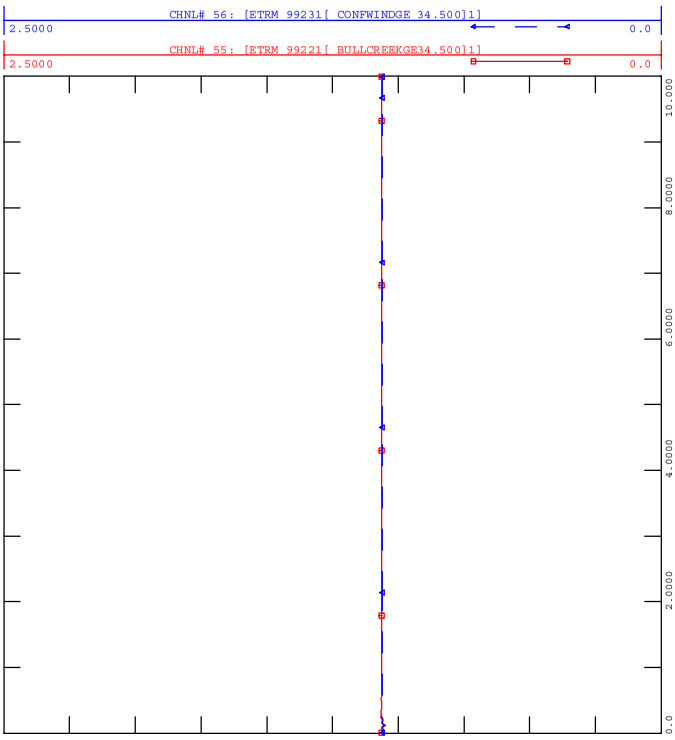


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

WED, DEC 23 2009 14:07

WIND MACH. TERMINAL VOLTS

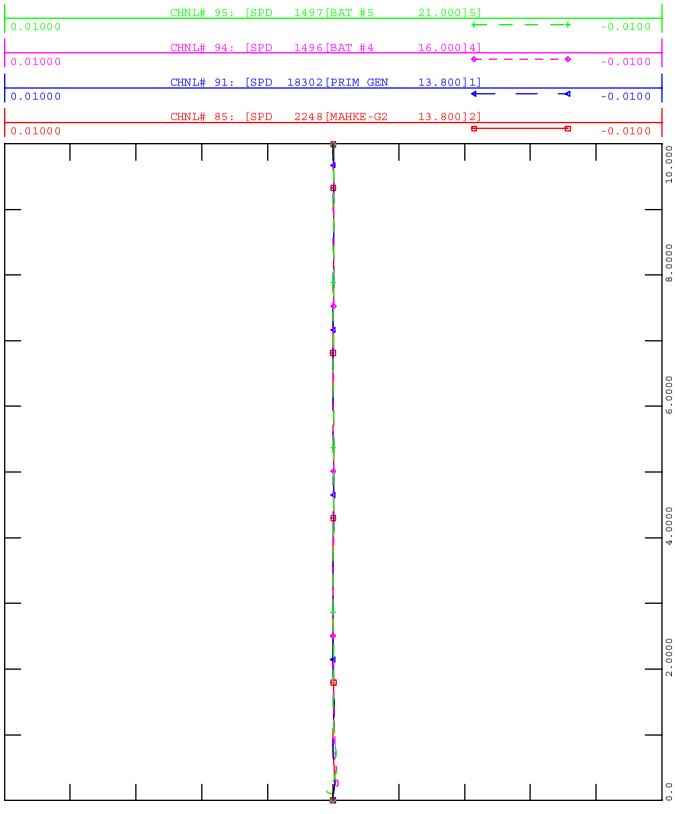


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

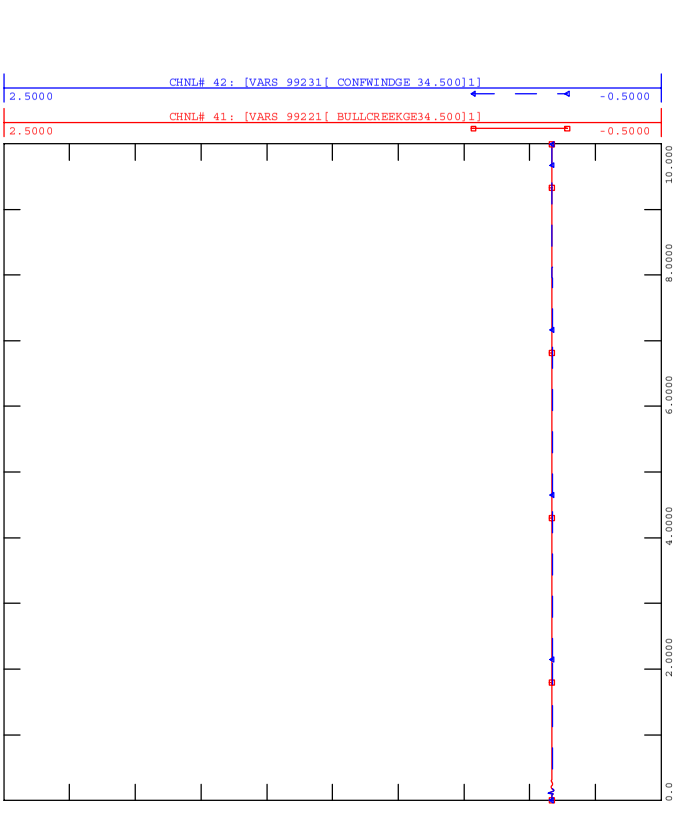


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

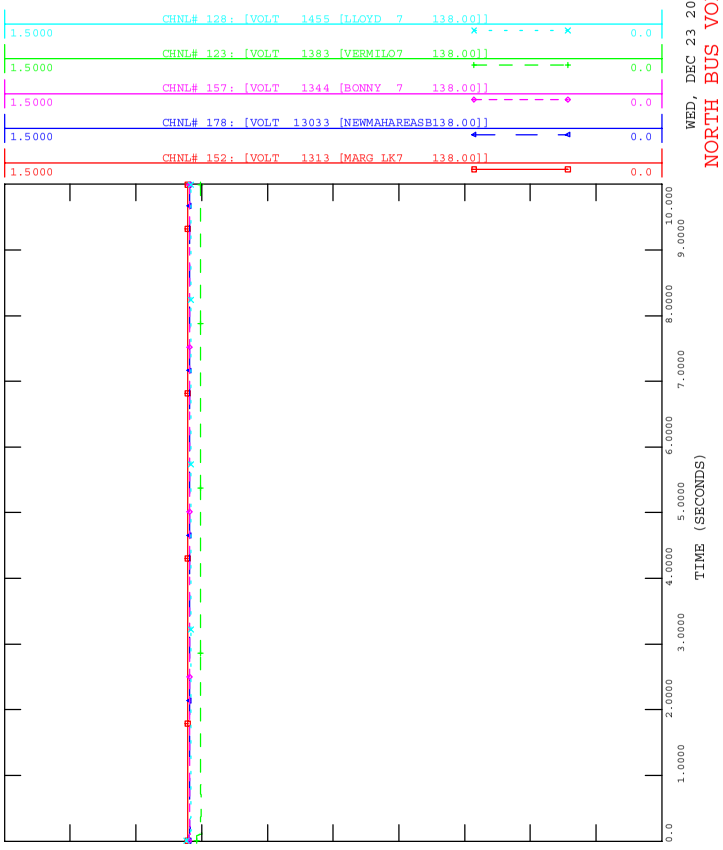


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

WED, DEC 23 2009 14:07

NORTH BUS VOLTAGES

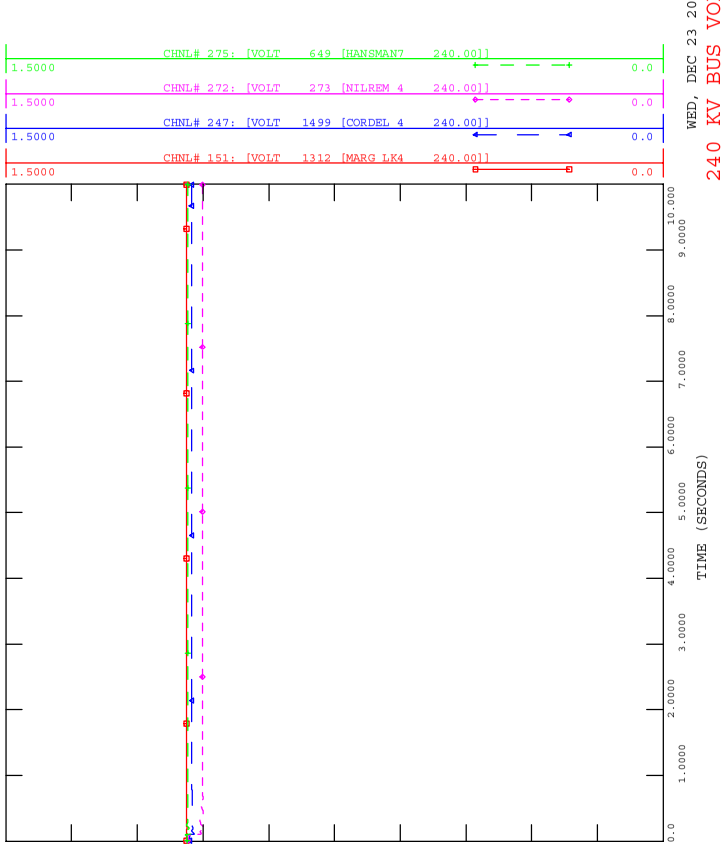


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

WED, DEC 23 2009 14:07

240 KV BUS VOLTAGES

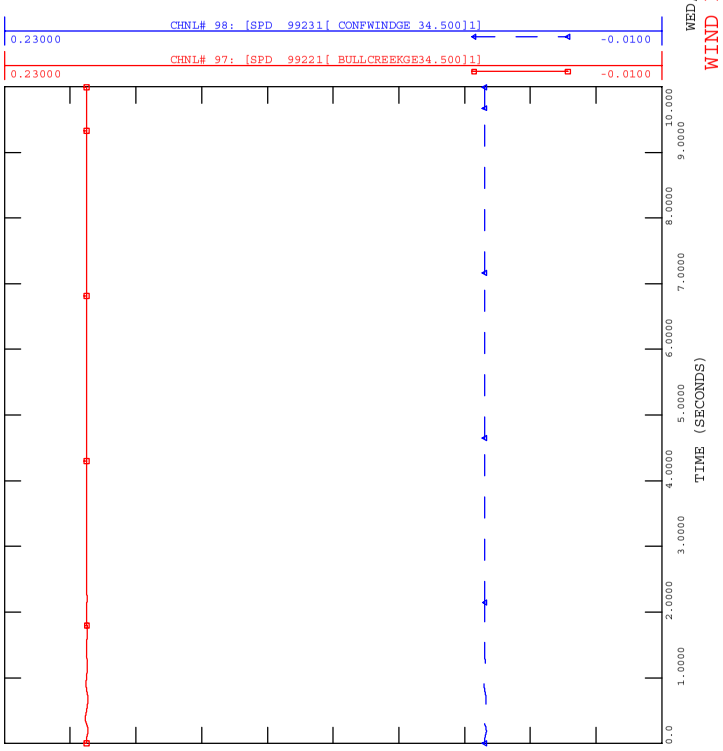


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

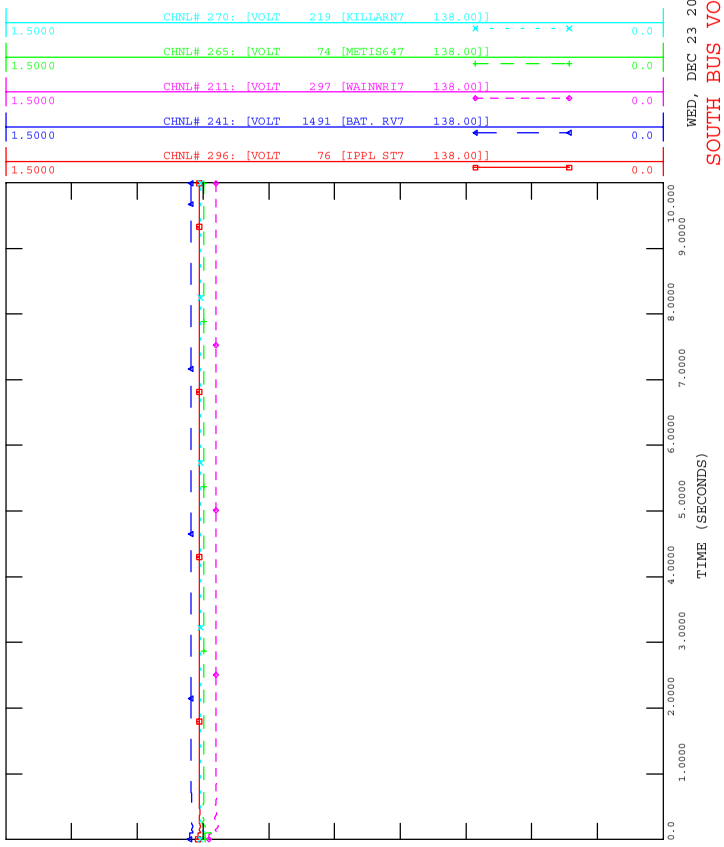


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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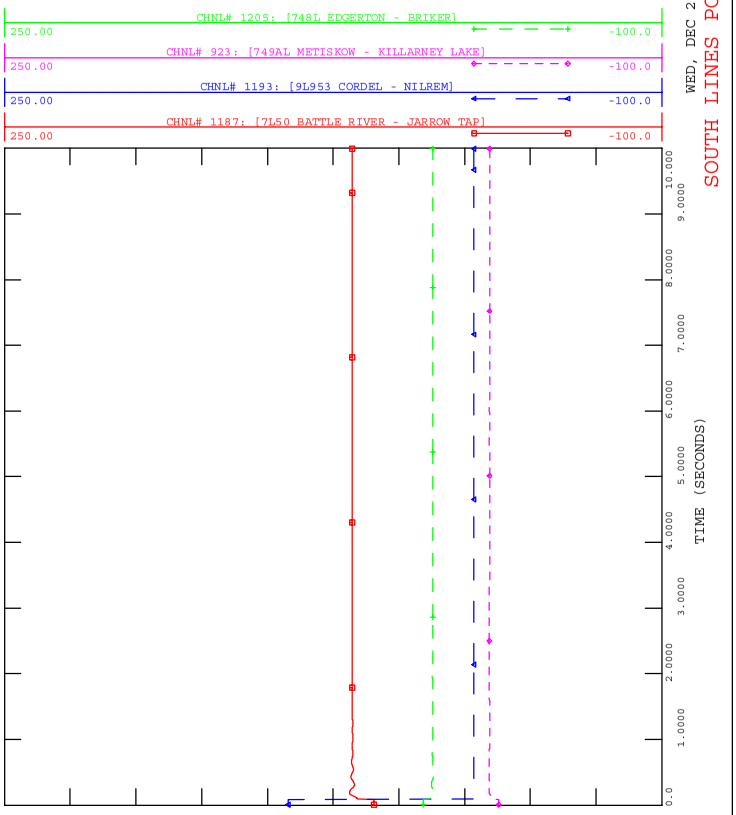
WED, DEC 23 2009 14:07

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

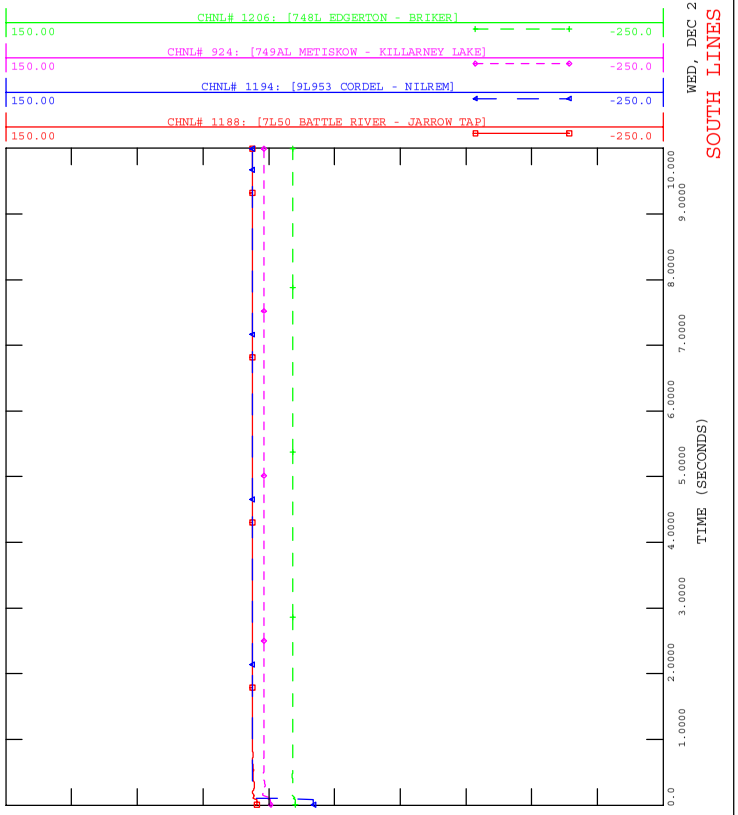


WED, DEC 23 2009 14:07

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

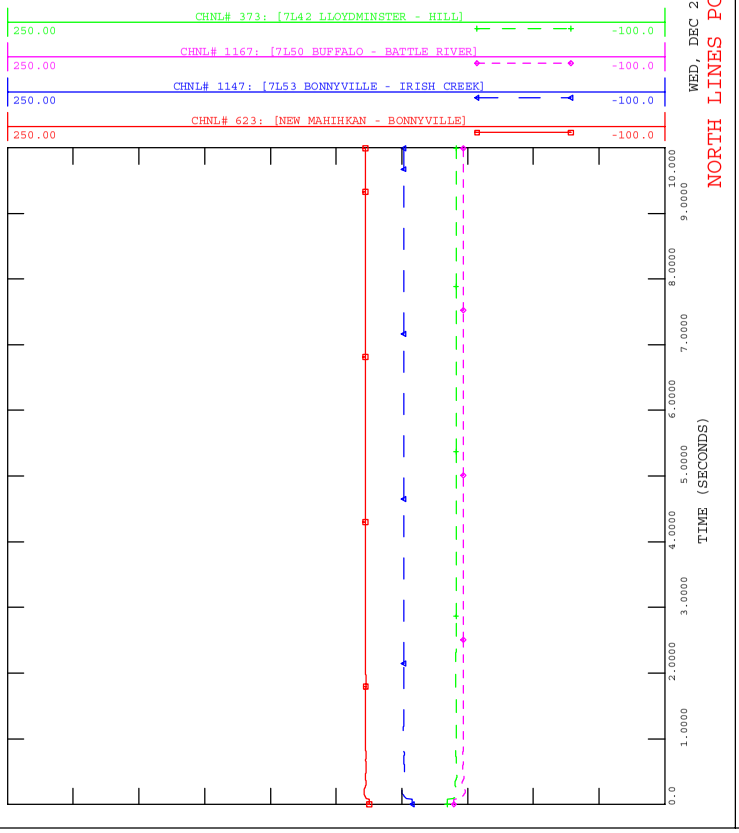


WED, DEC 23 2009 14:07

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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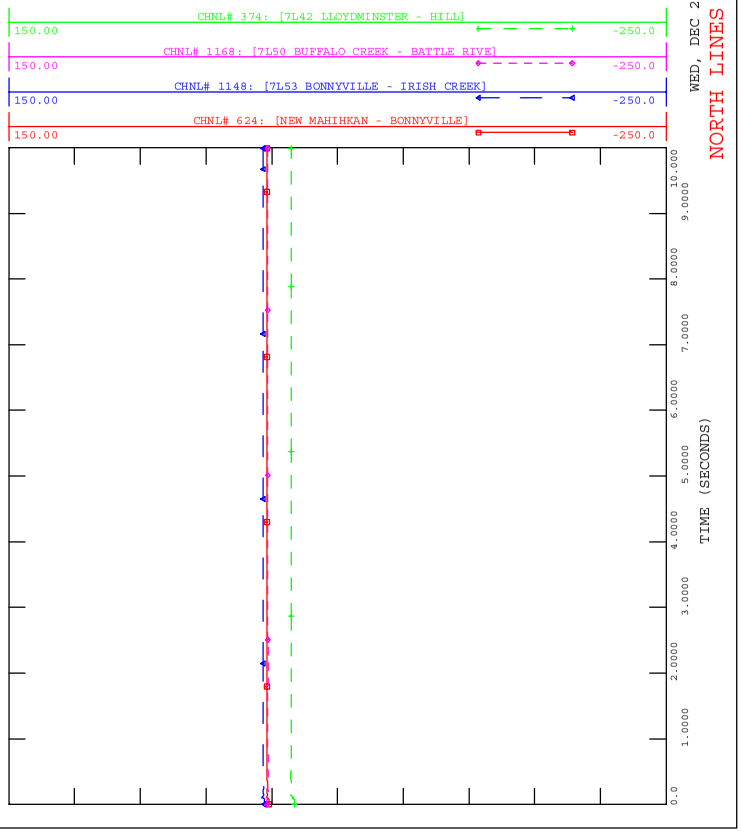


WED, DEC 23 2009 14:07

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out



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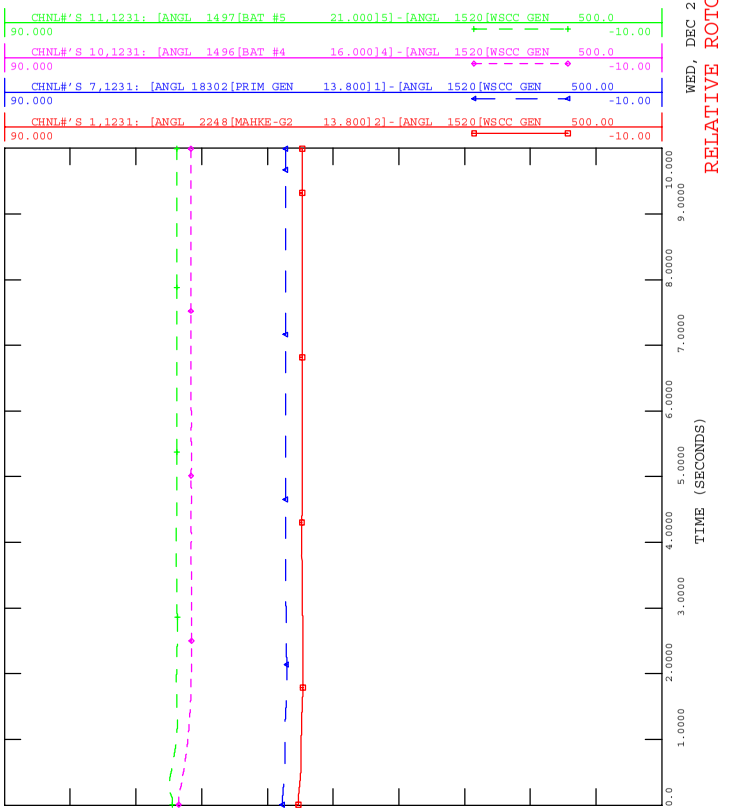
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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RELATIVE ROTOR ANGLES

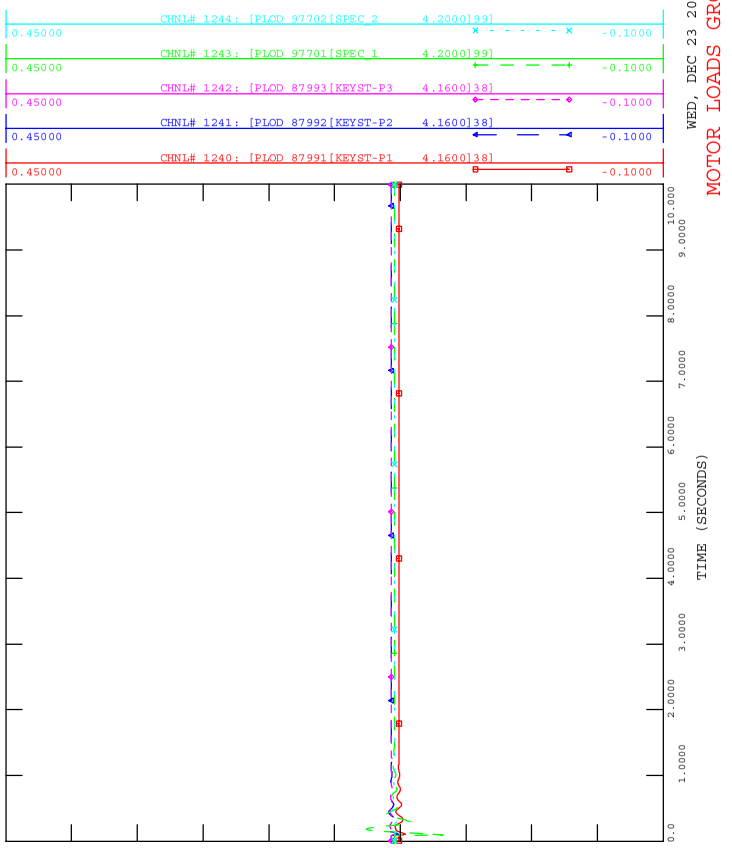


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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MOTOR LOADS GROUP II

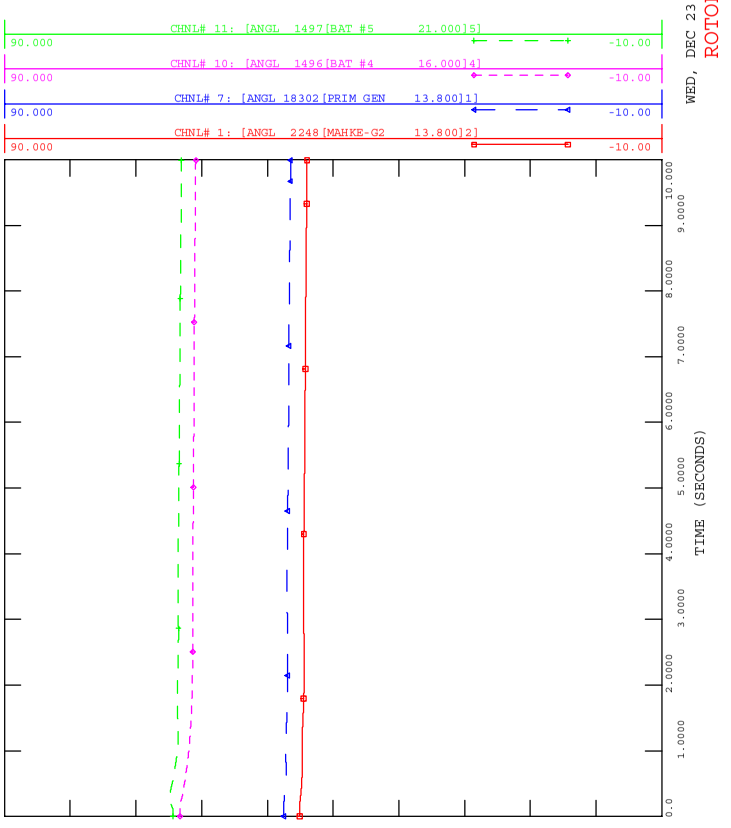


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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ROTOR ANGLES

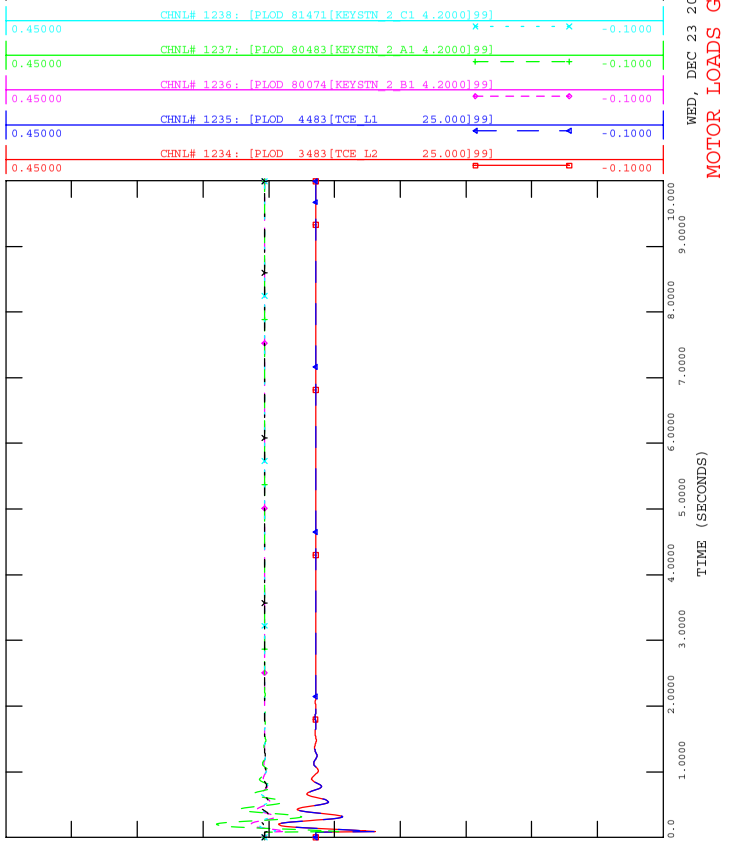


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-3Fault.out

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MOTOR LOADS GROUP I

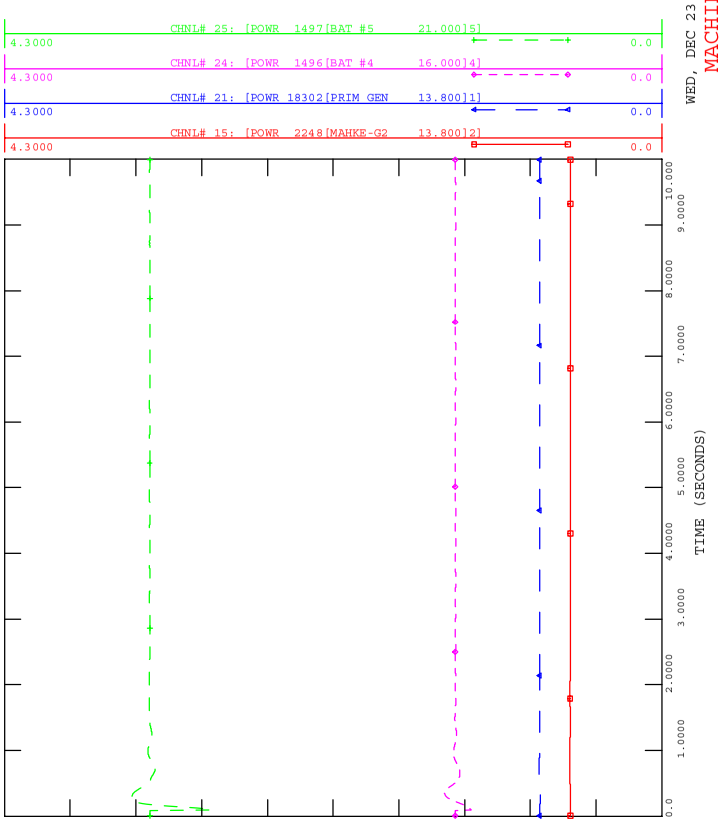


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

MACHINE POWER

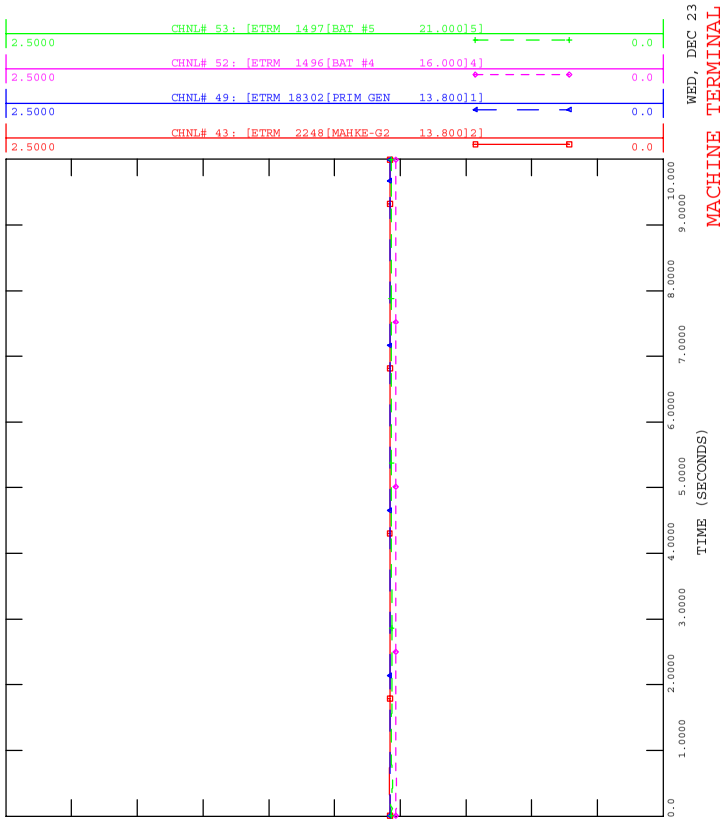


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

MACHINE TERMINAL VOLTAGE

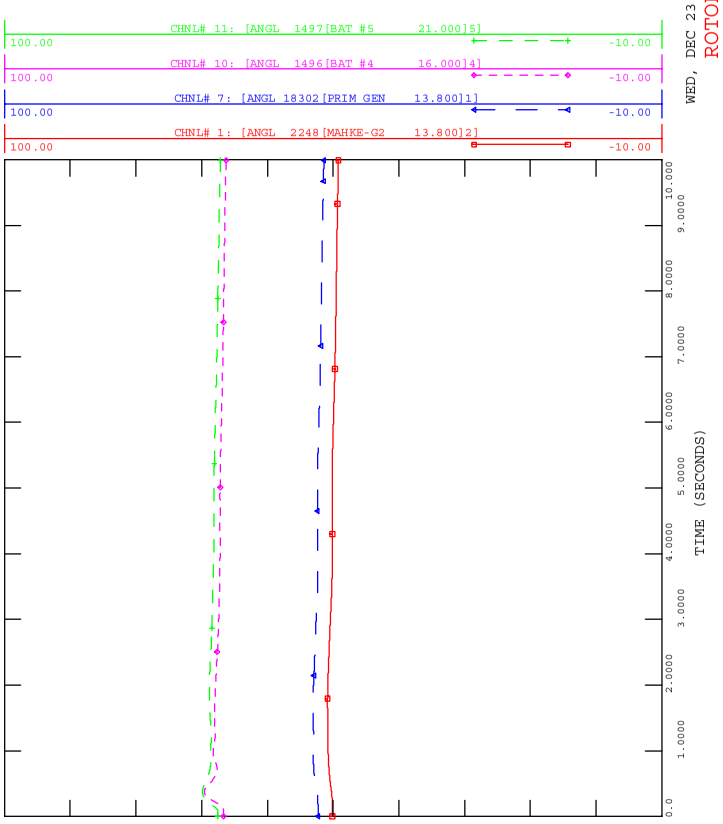


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

ROTOR ANGLES

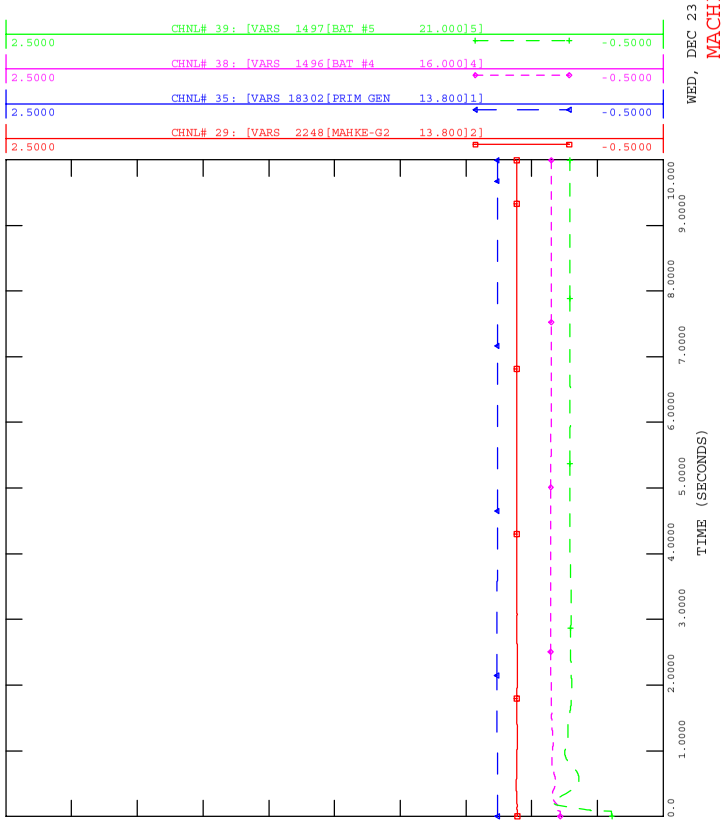


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

MACHINE VARS

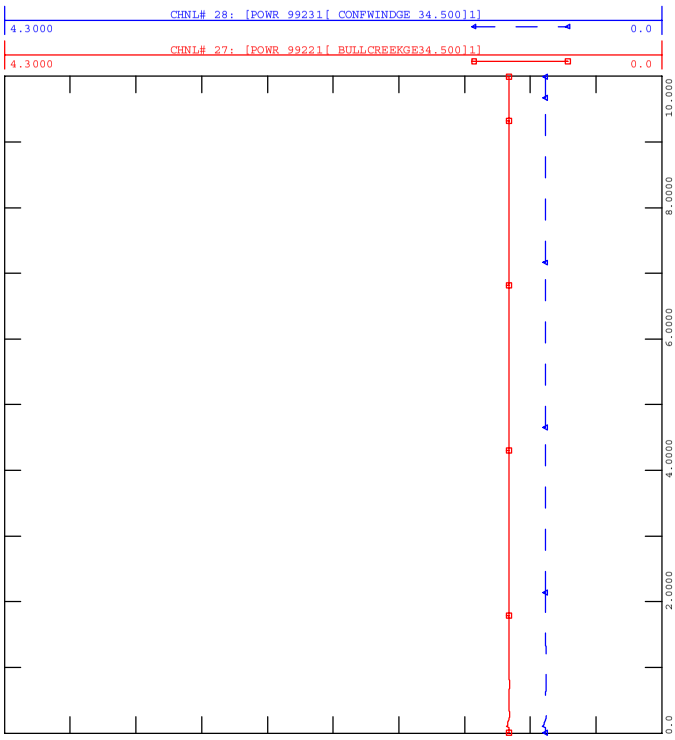


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

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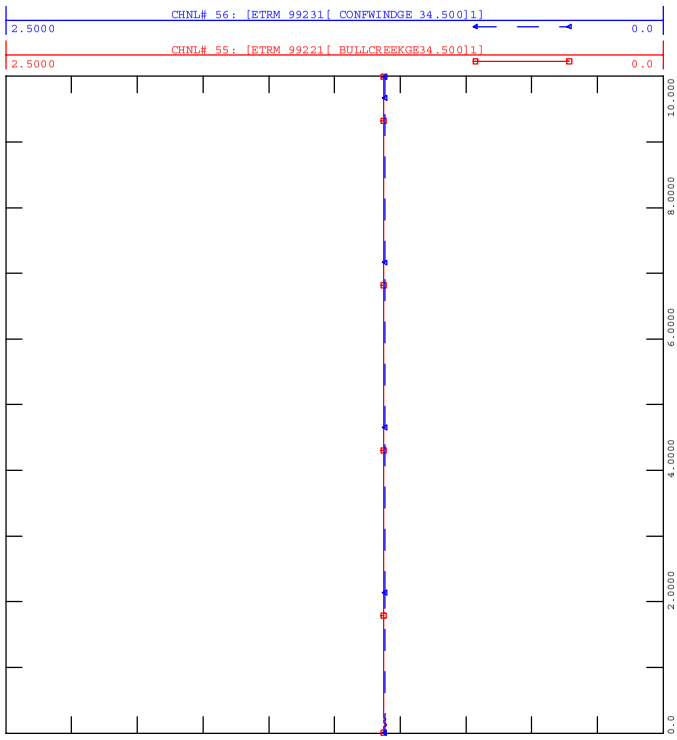


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

WIND MACH. TERMINAL VOLTS

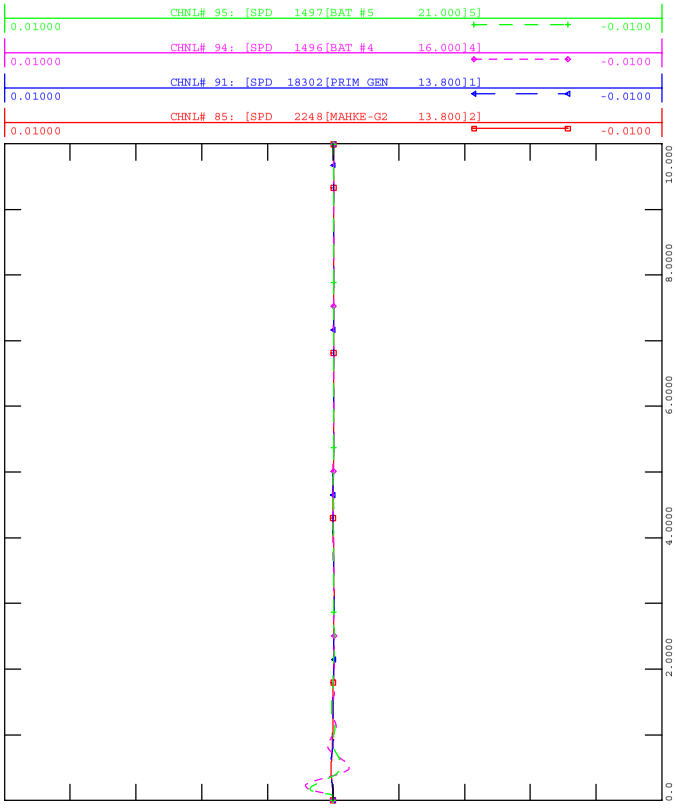


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

MACHINE SPEED

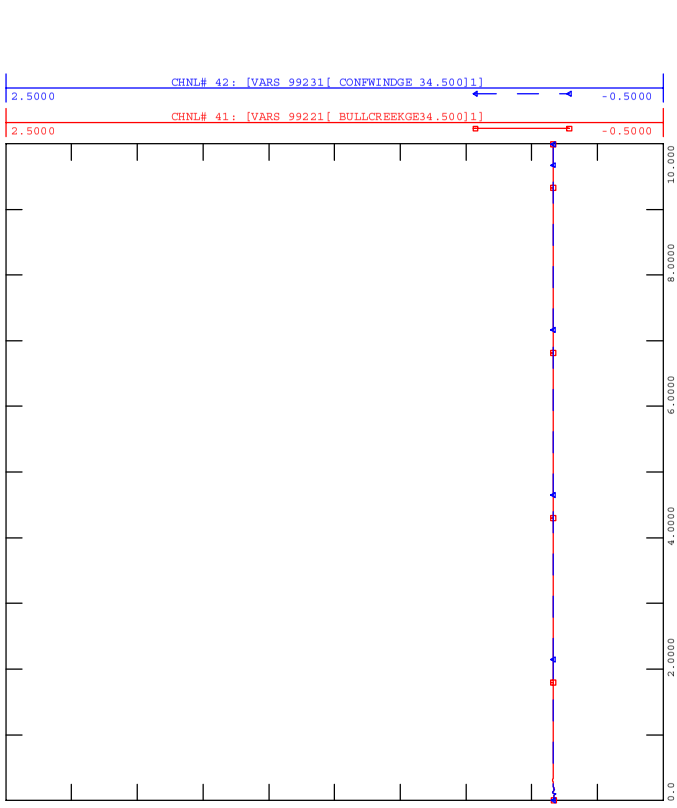


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

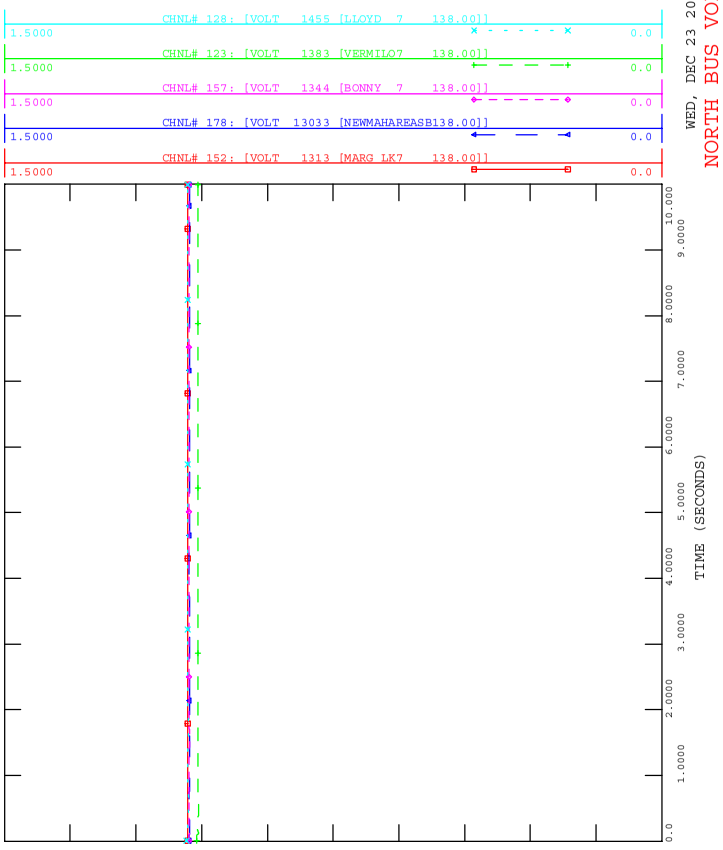


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

NORTH BUS VOLTAGES

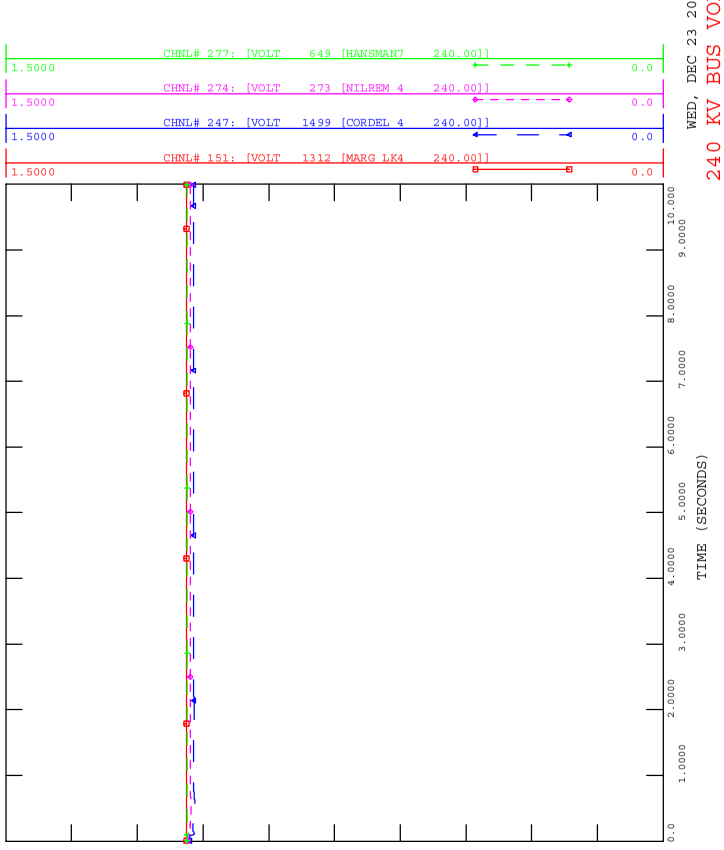


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

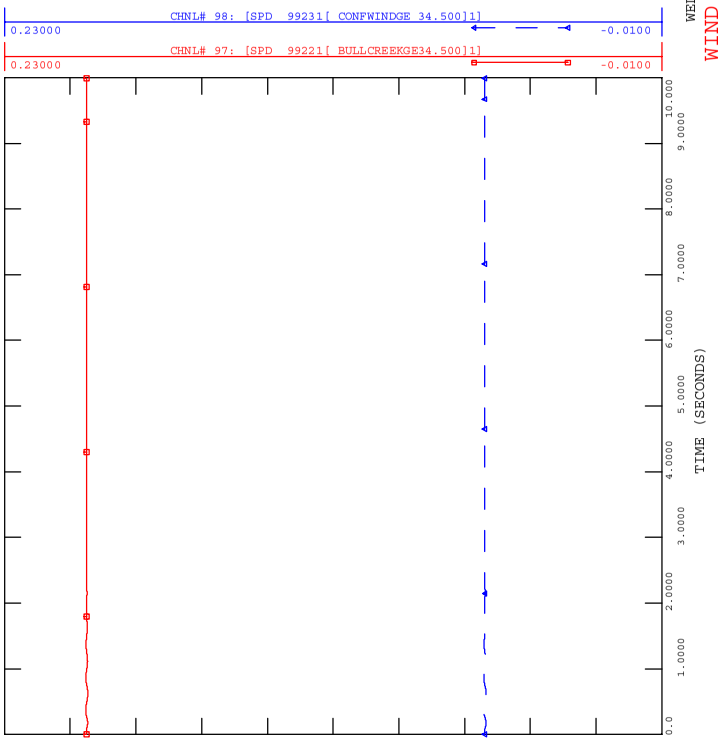


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

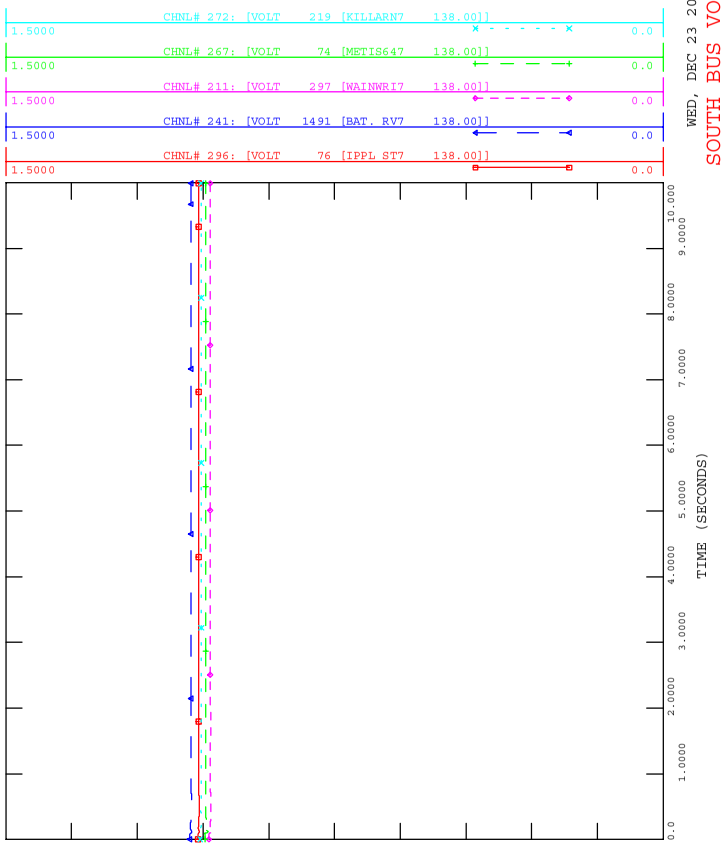


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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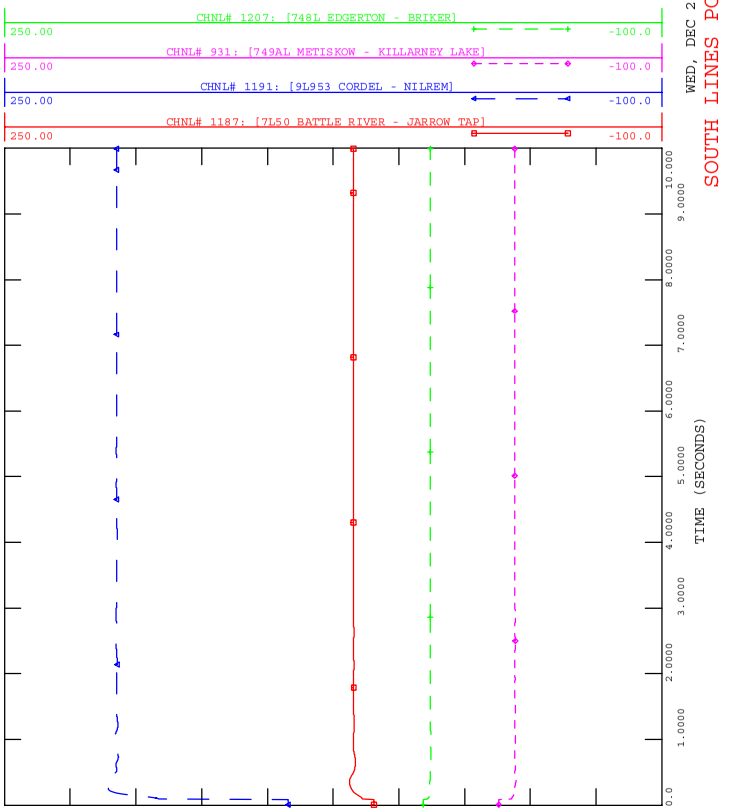
WED, DEC 23 2009 14:07

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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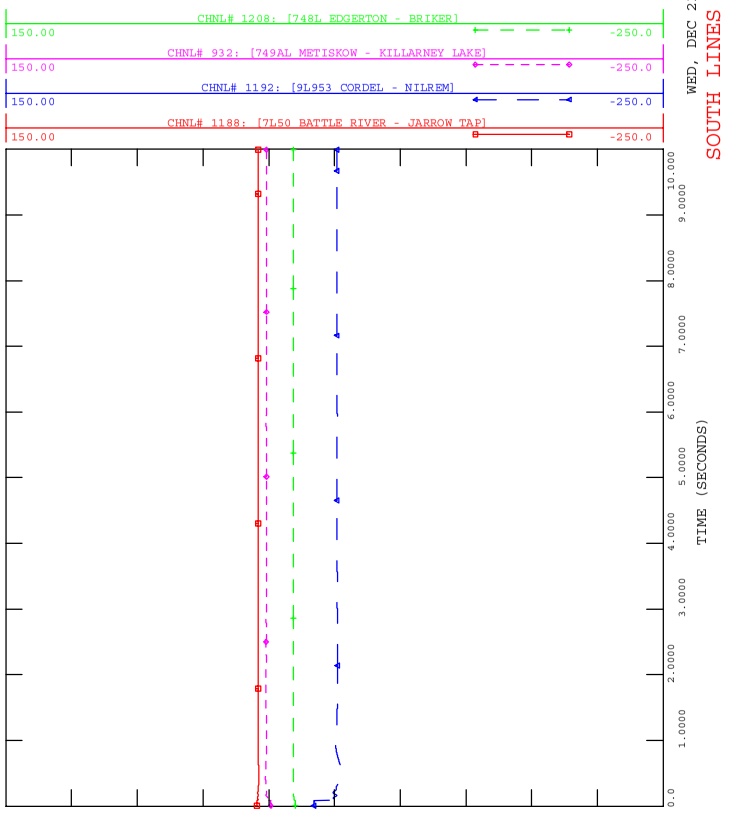


WED, DEC 23 2009 14:07

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

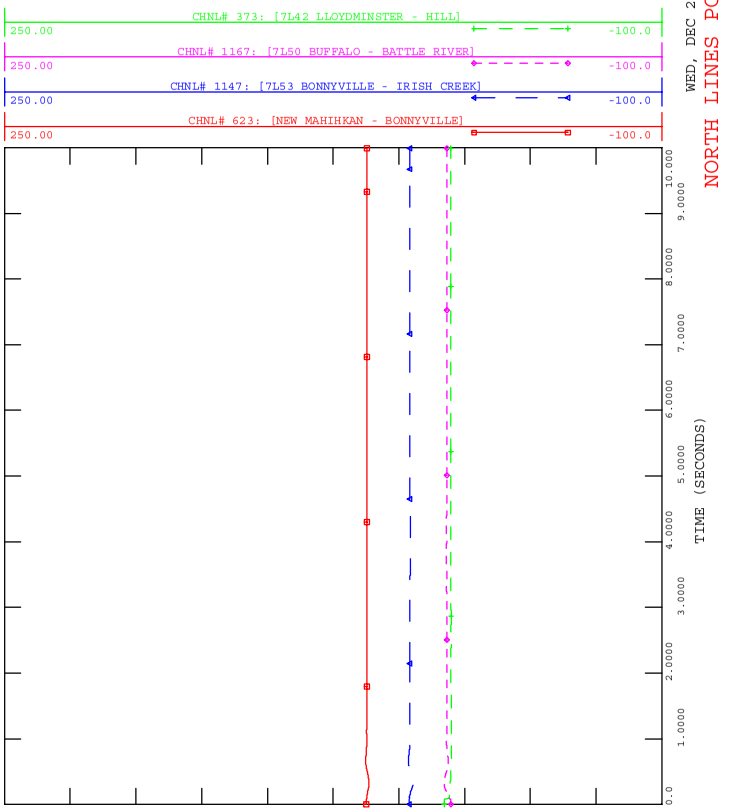


WED, DEC 23 2009 14:07

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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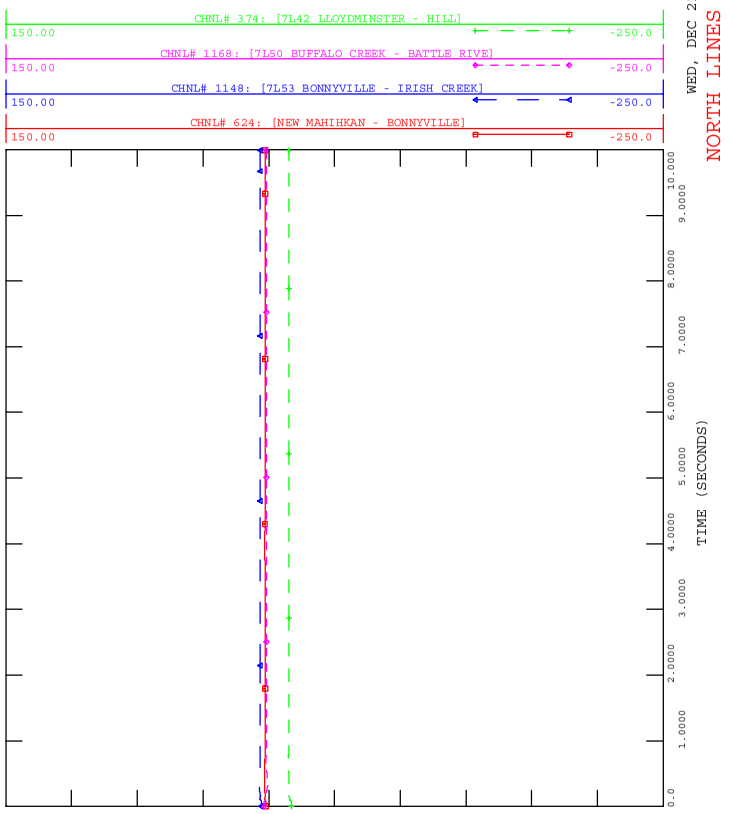


WED, DEC 23 2009 14:07

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out



WED, DEC 23 2009 14:07

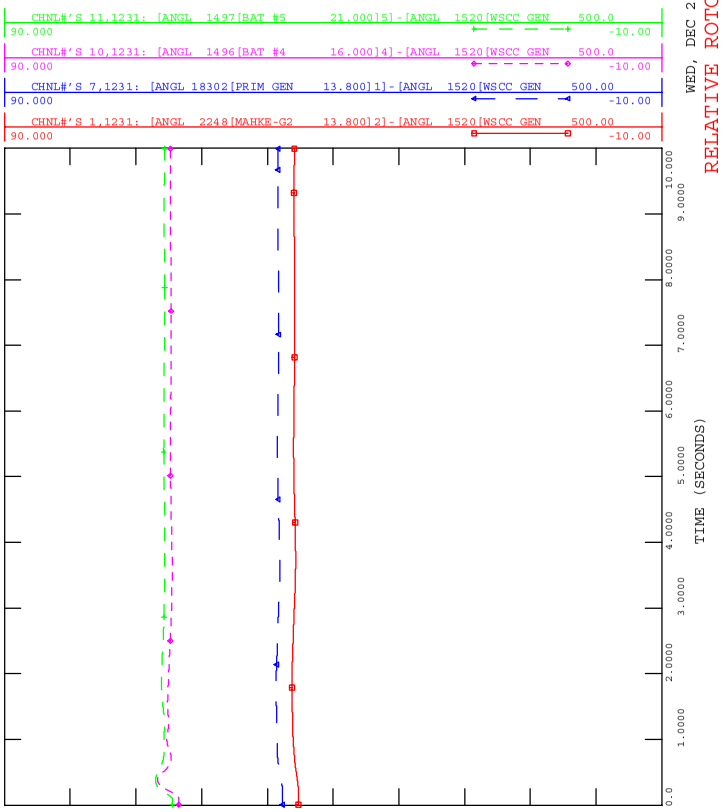
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

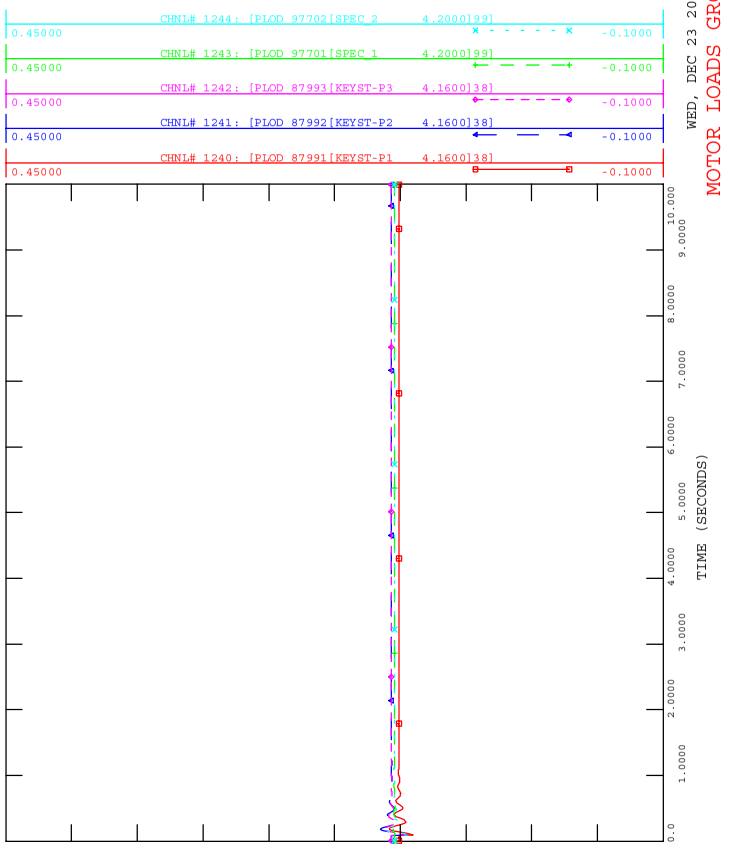


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

WED, DEC 23 2009 14:07

MOTOR LOADS GROUP II

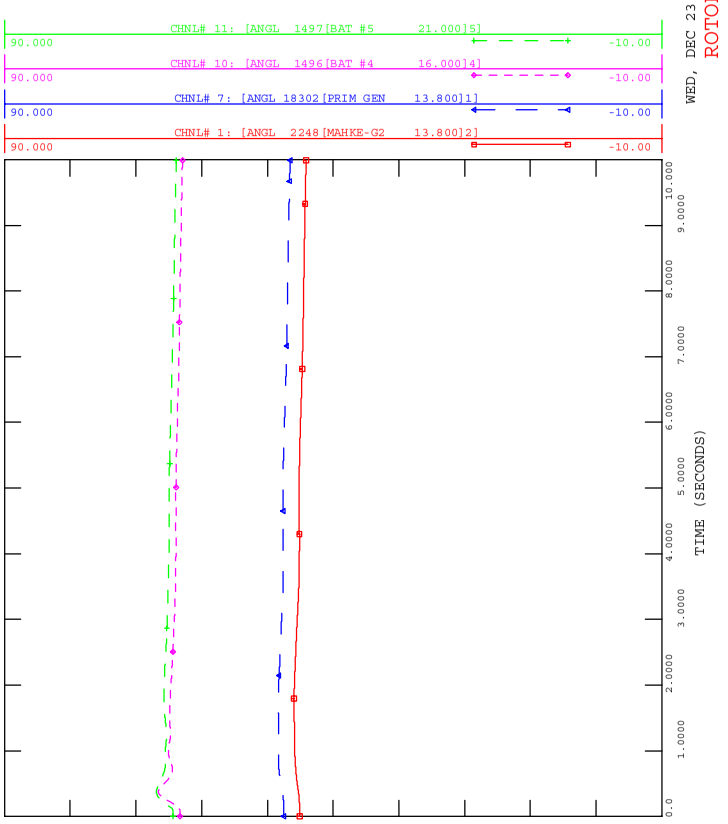


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

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ROTOR ANGLES

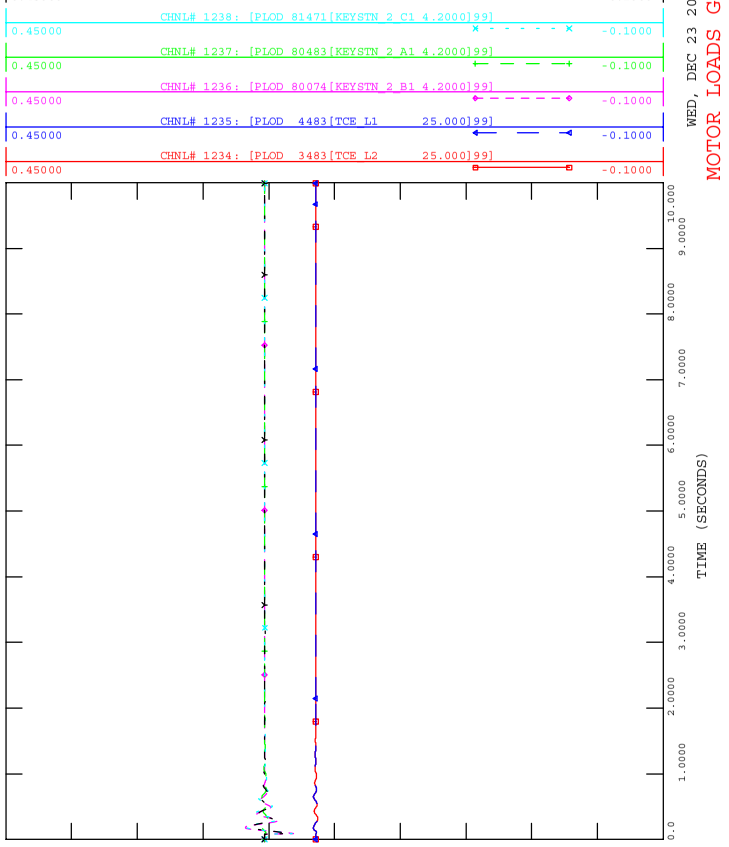


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C5-4Fault.out

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MOTOR LOADS GROUP I

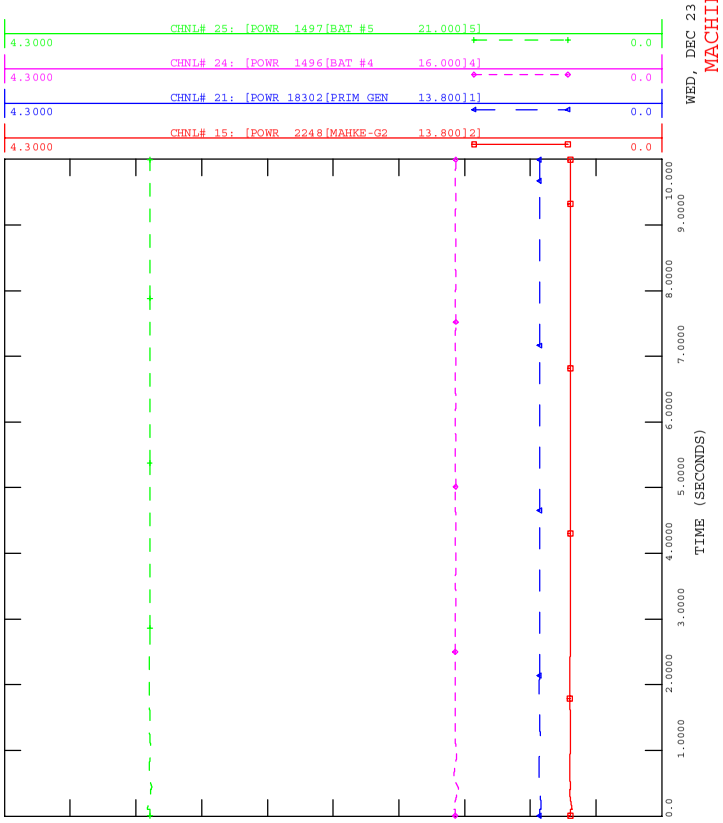


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

WED, DEC 23 2009 14:07

MACHINE POWER

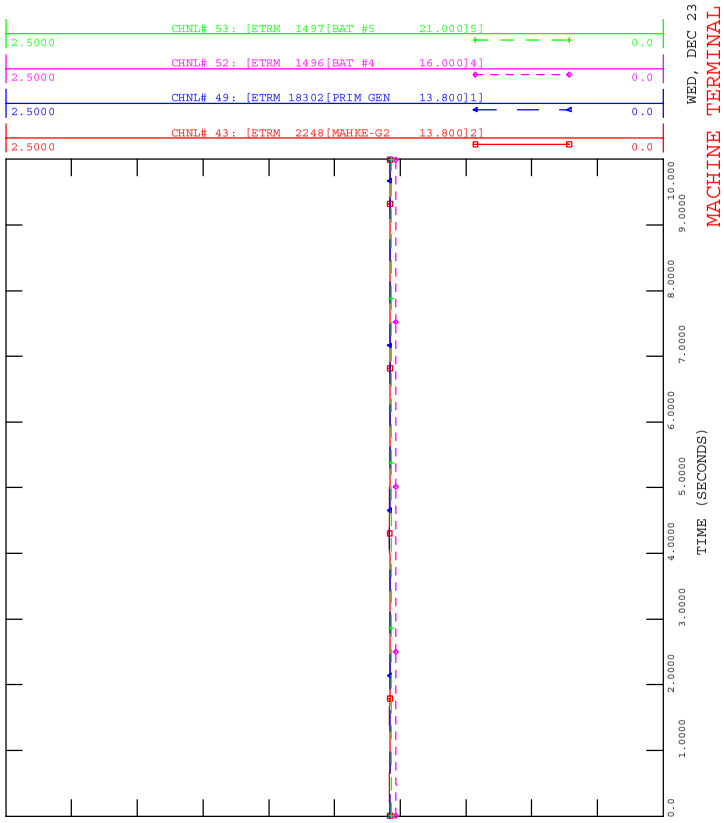


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE TERMINAL VOLTAGE

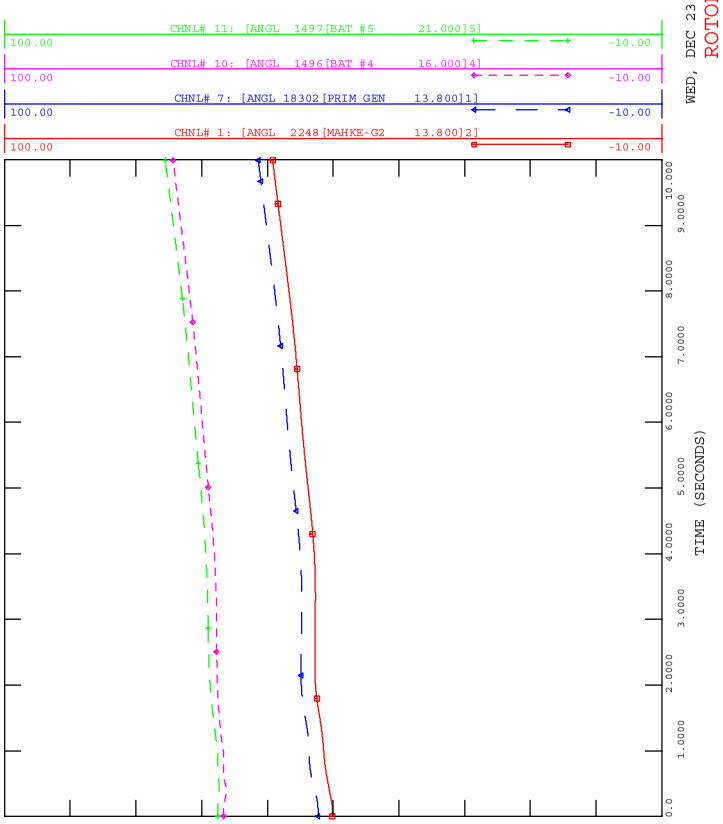


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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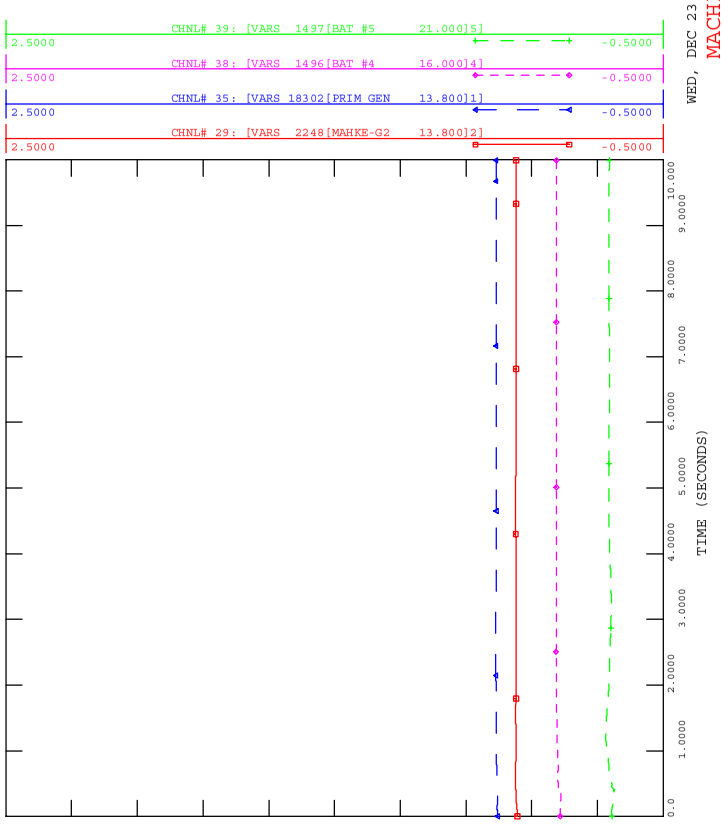


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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MACHINE VARS

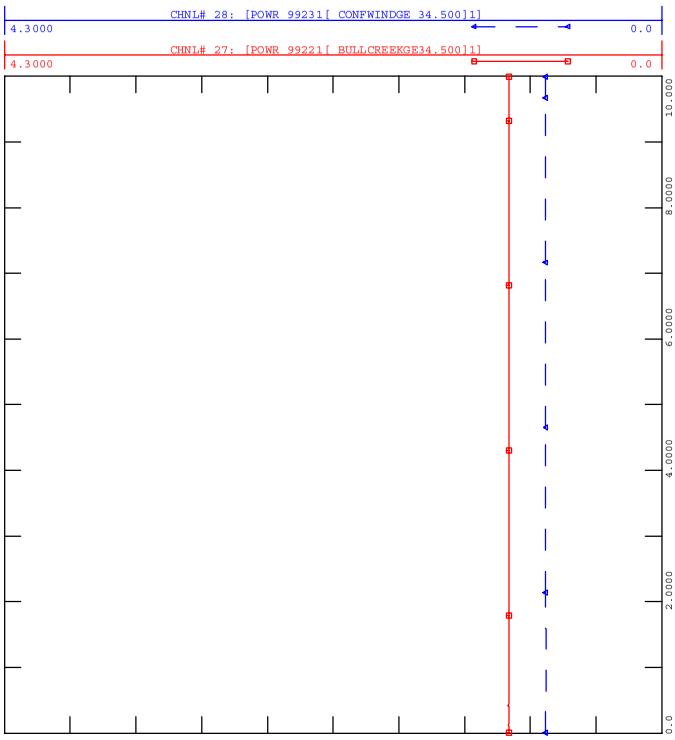


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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WIND MACHINE POWER

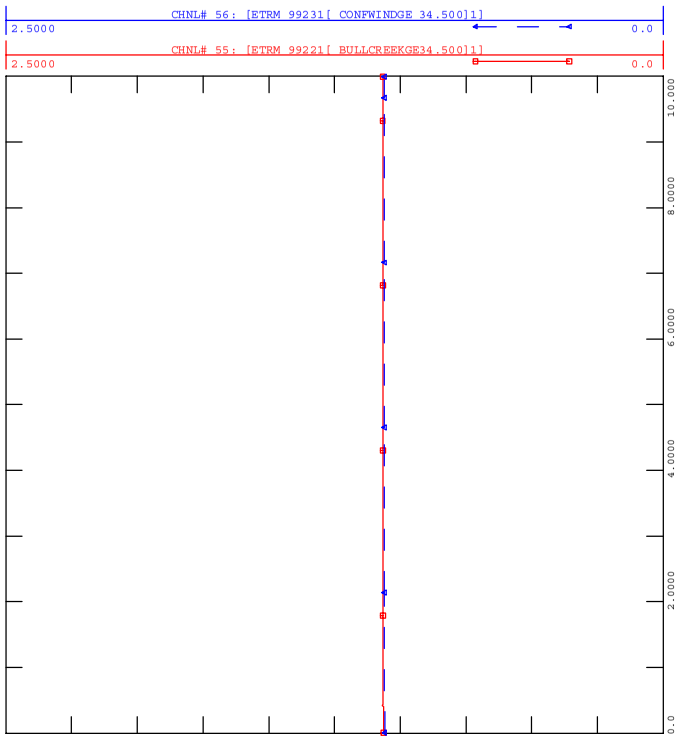


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

WED, DEC 23 2009 14:07

WIND MACH. TERMINAL VOLTS

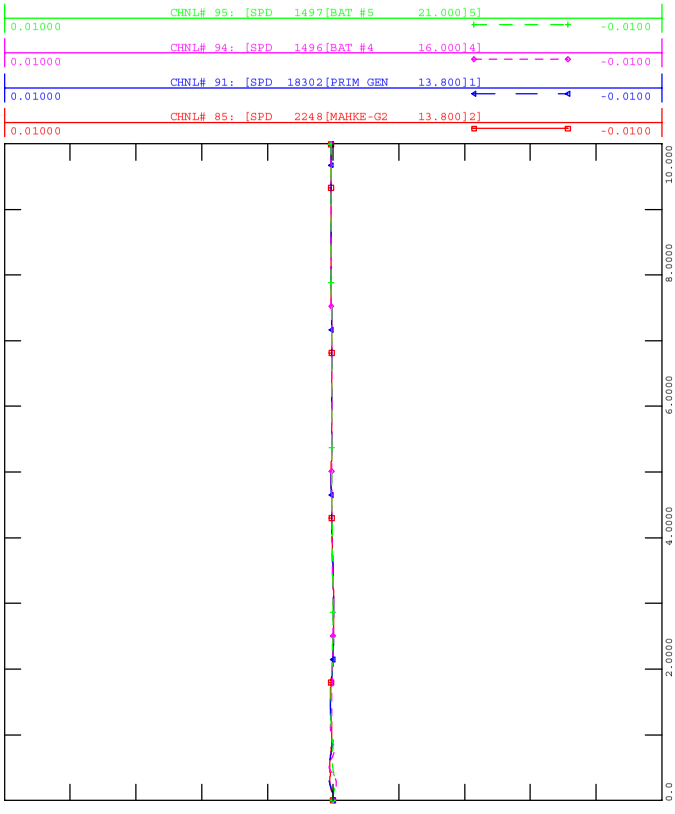


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

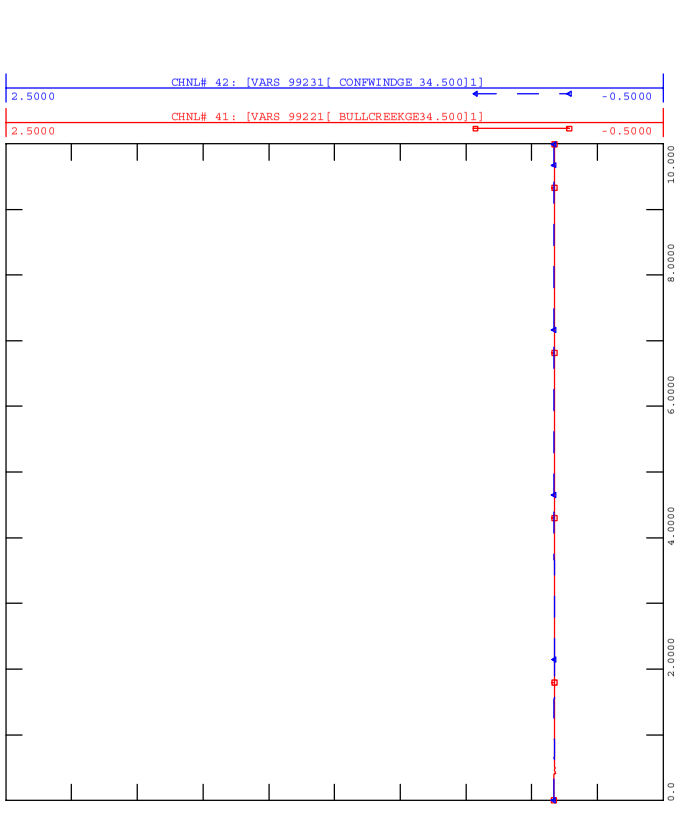


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

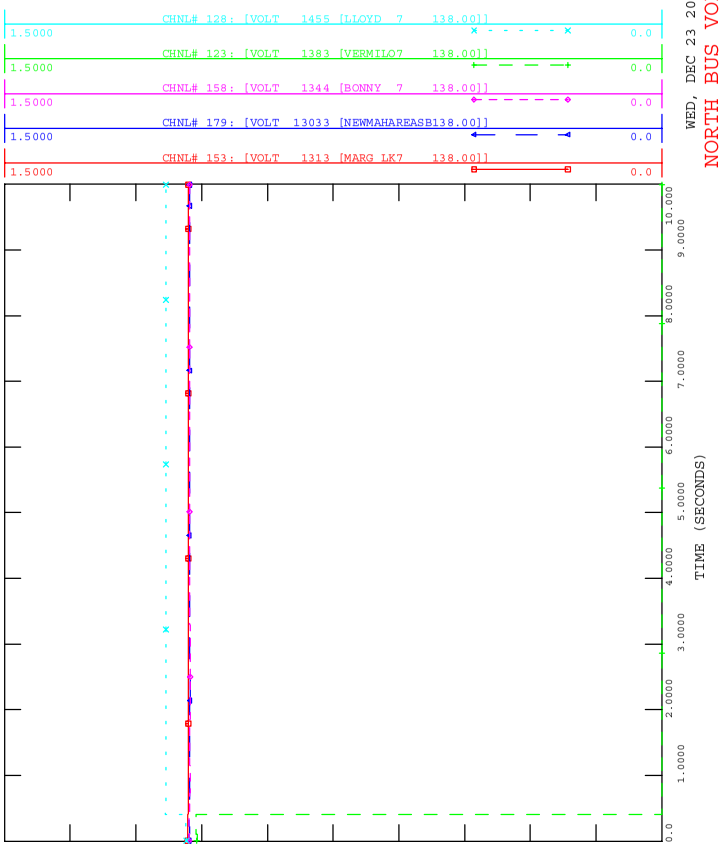


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH BUS VOLTAGES

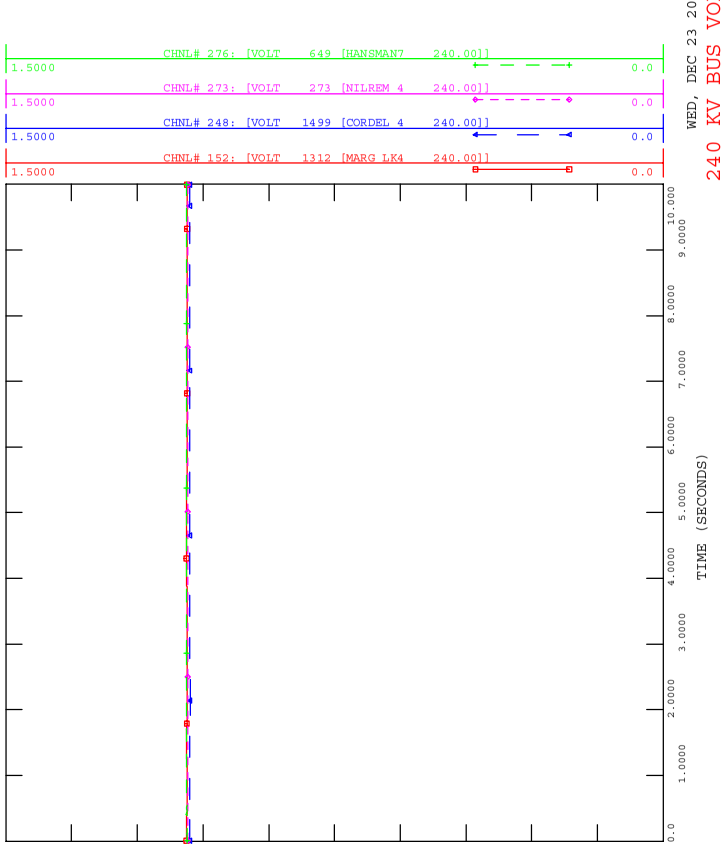


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

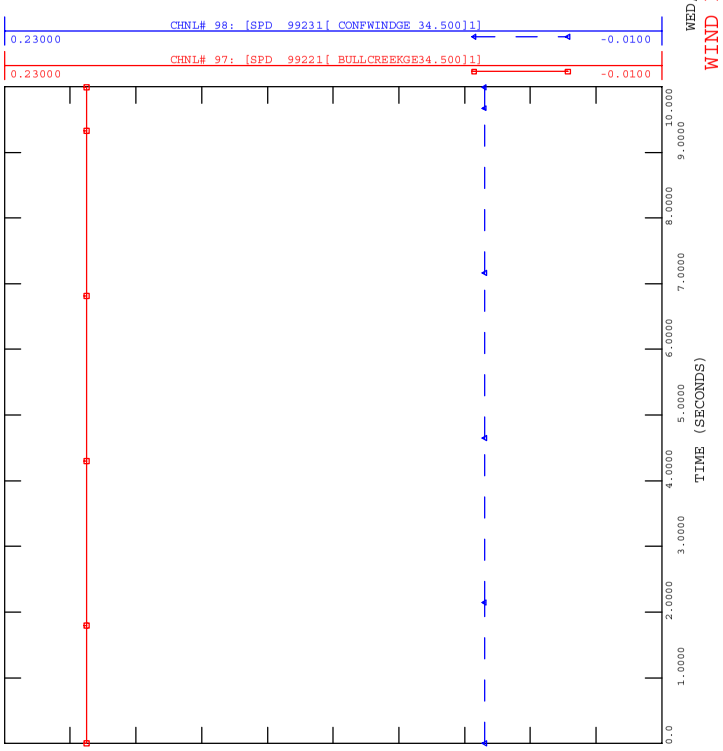


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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WIND MACHINE SPEED

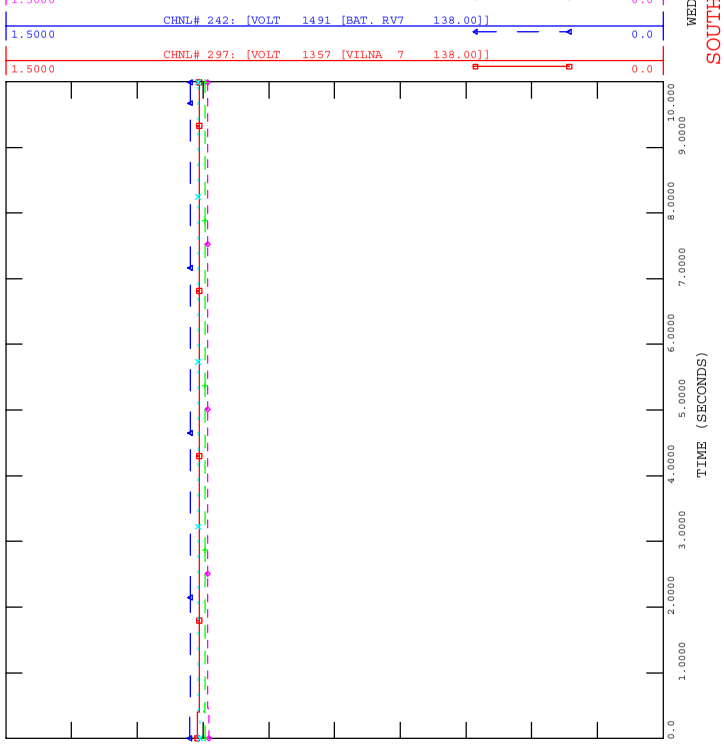


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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SOUTH BUS VOLTAGES

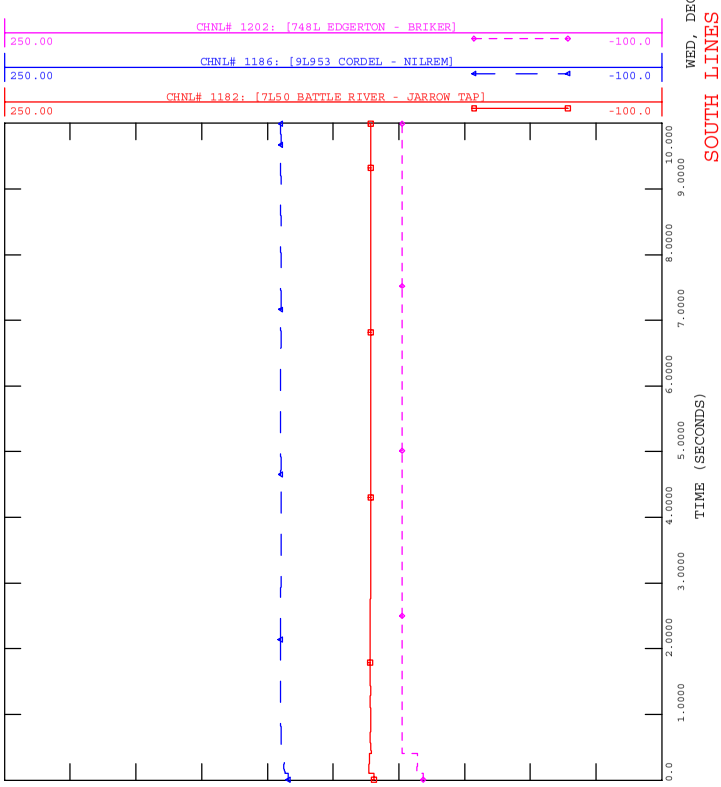


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

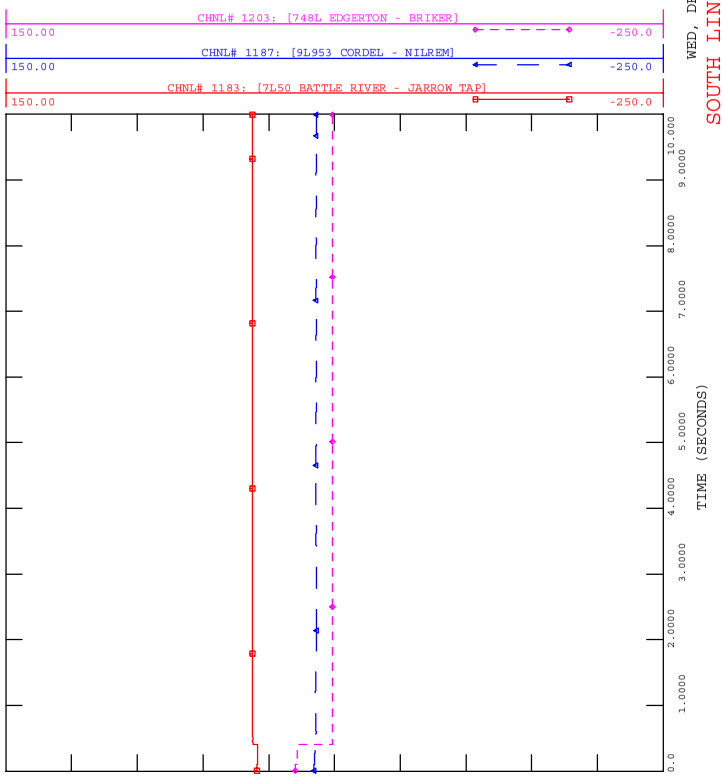


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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SOUTH LINES VAR FLOW

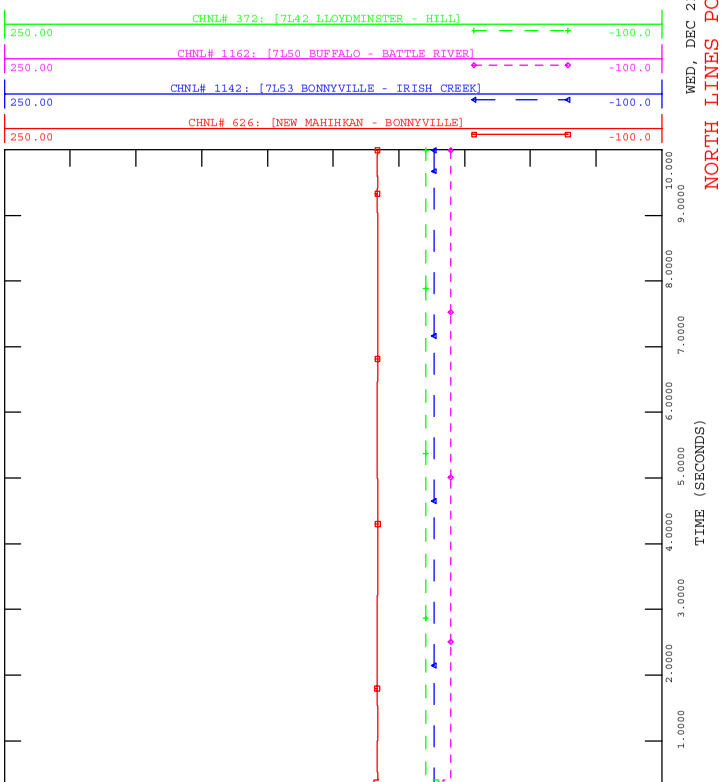


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

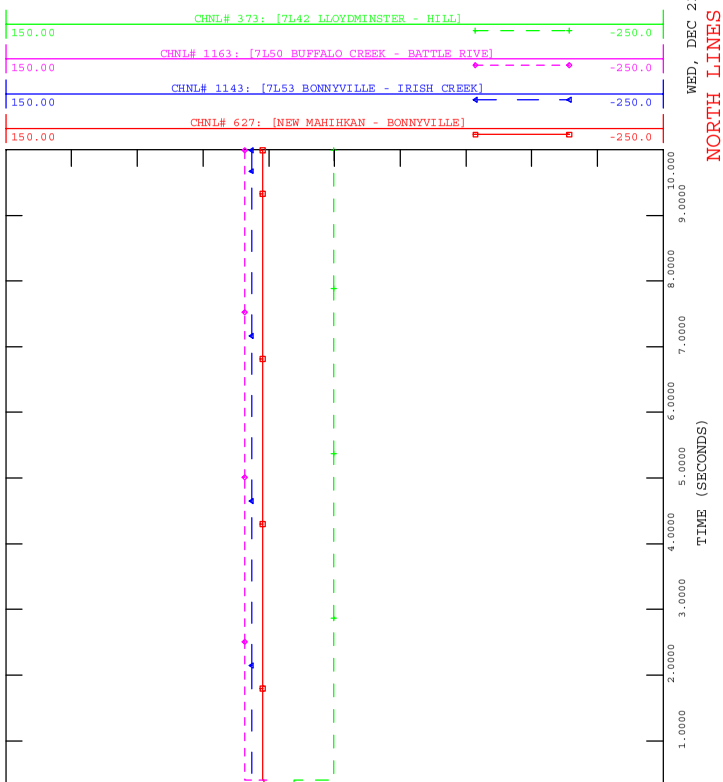


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

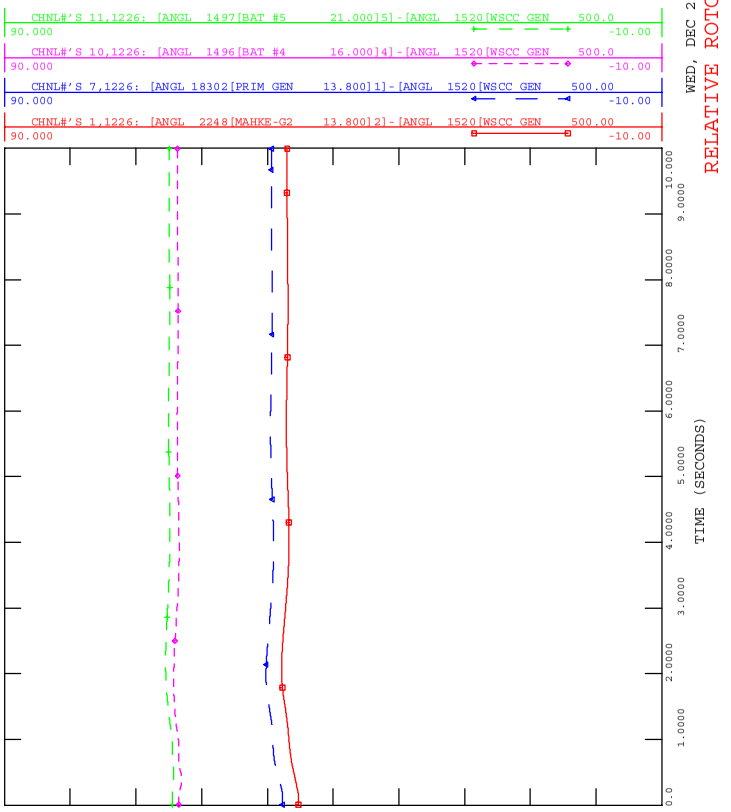


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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RELATIVE ROTOR ANGLES

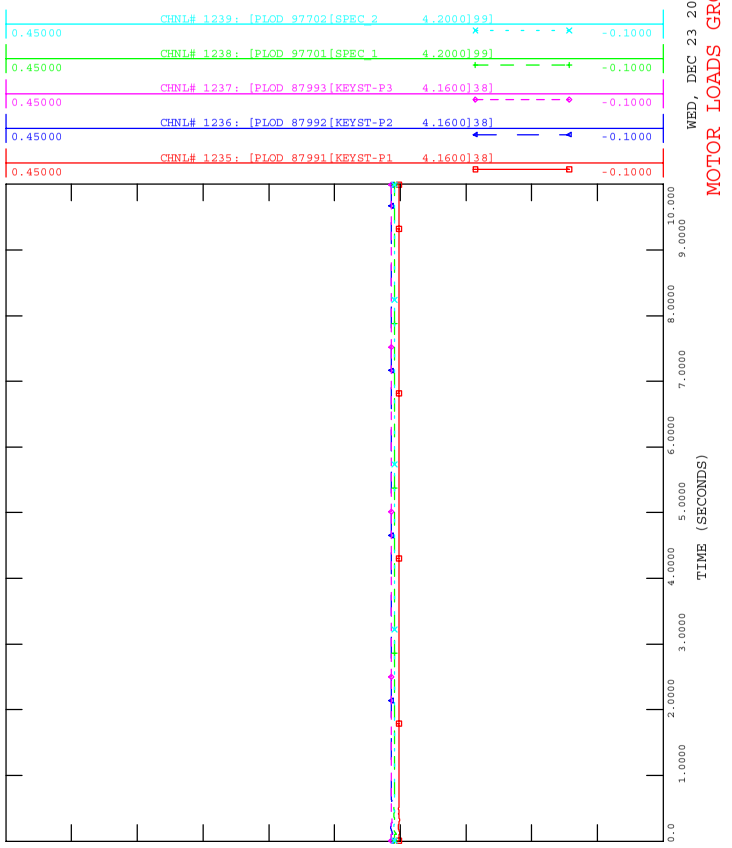


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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MOTOR LOADS GROUP II

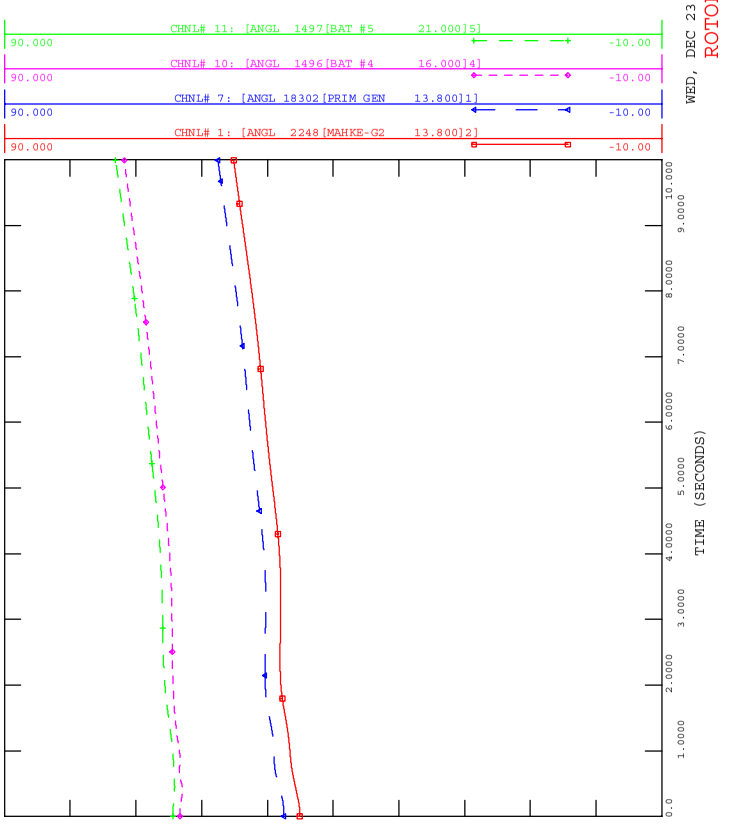


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

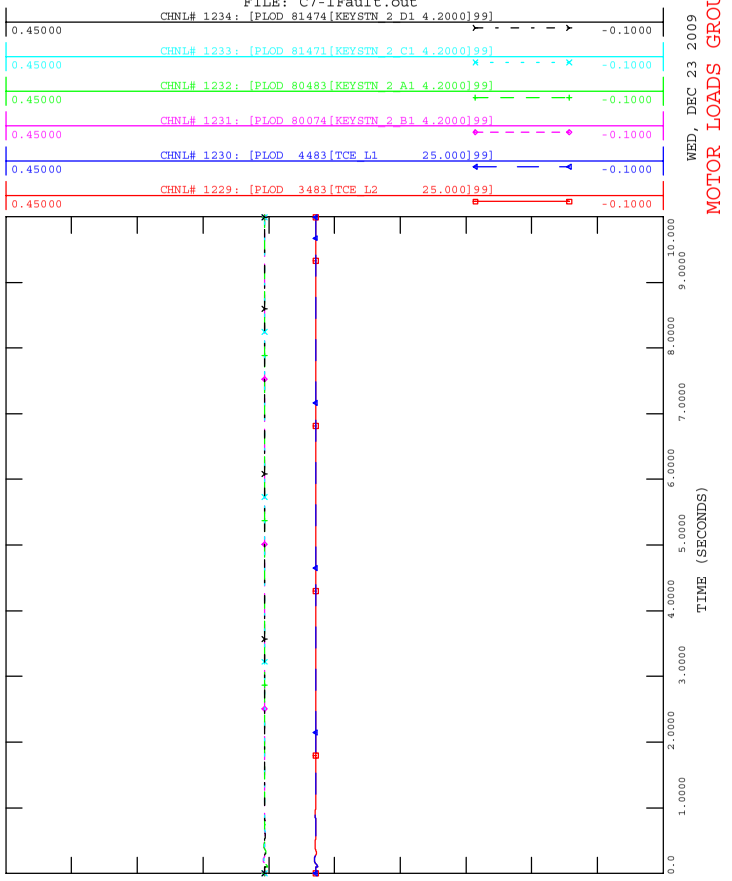


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-1Fault.out

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MOTOR LOADS GROUP I

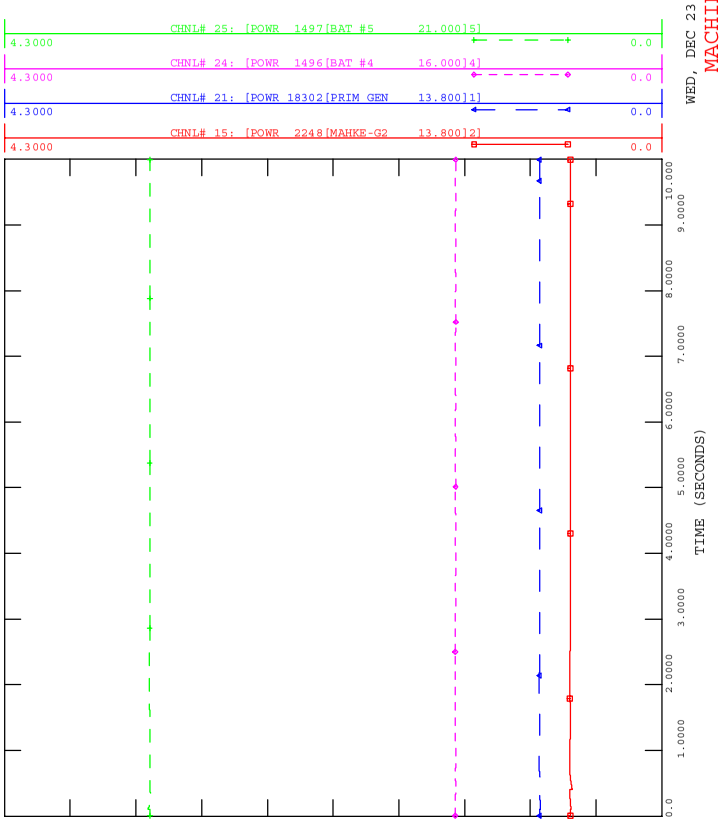


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

WED, DEC 23 2009 14:07

MACHINE POWER

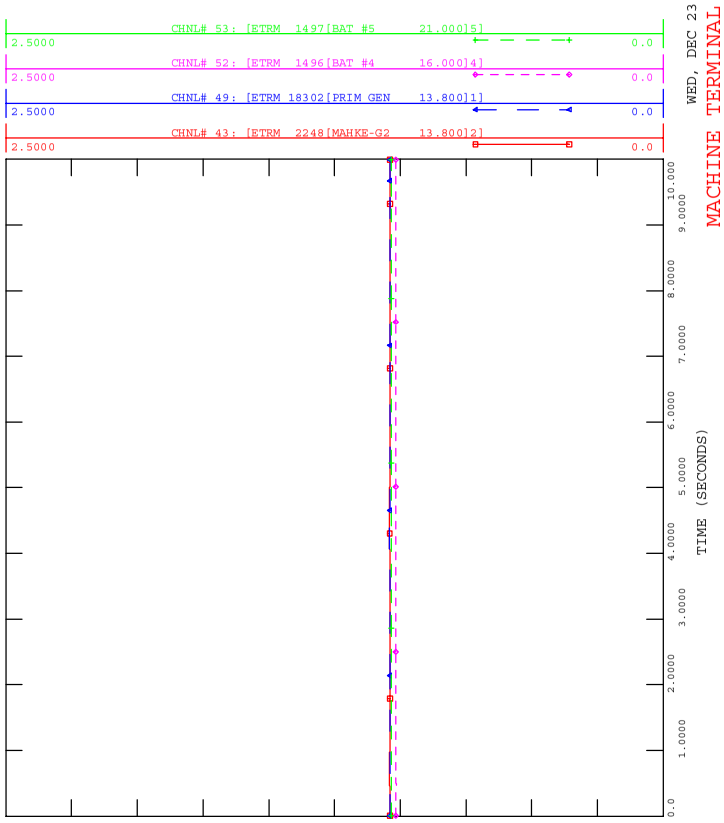


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

WED, DEC 23 2009 14:07

MACHINE TERMINAL VOLTAGE

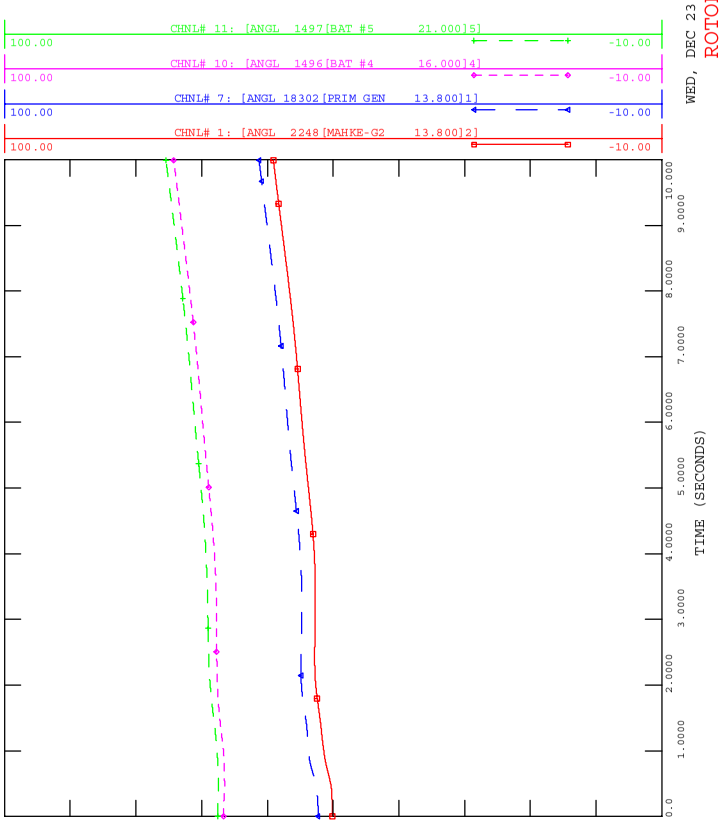


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

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ROTOR ANGLES

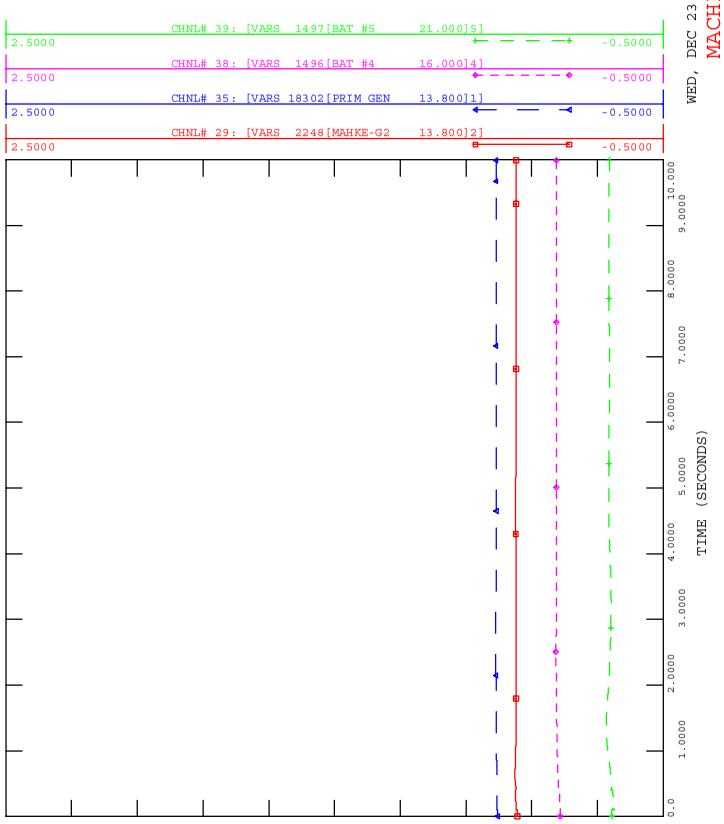


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

WED, DEC 23 2009 14:07

MACHINE VARS

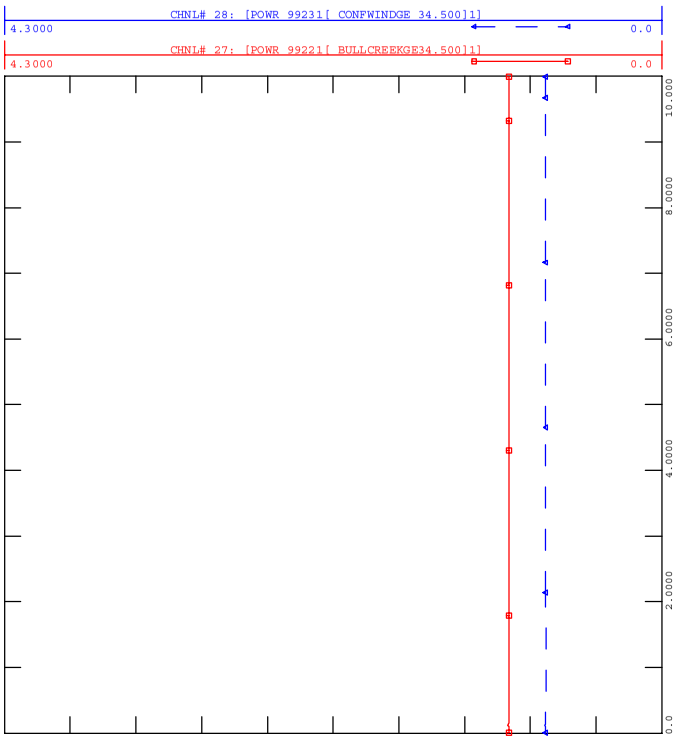


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

WED, DEC 23 2009 14:07

WIND MACHINE POWER

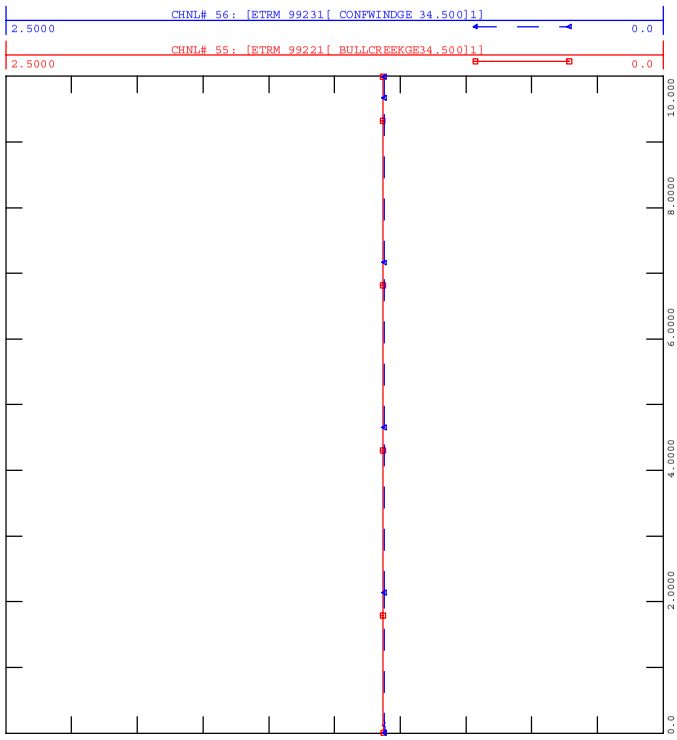


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

WED, DEC 23 2009 14:07

WIND MACH. TERMINAL VOLTS

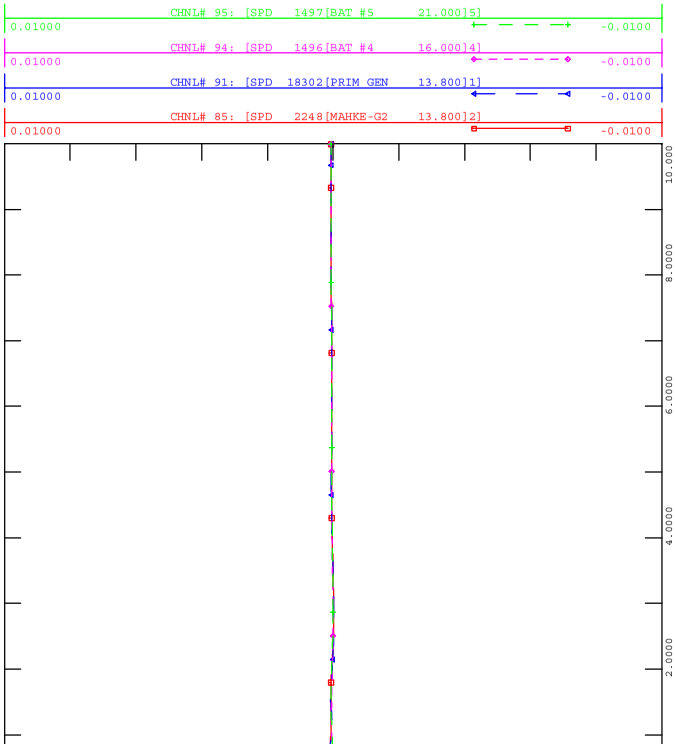


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

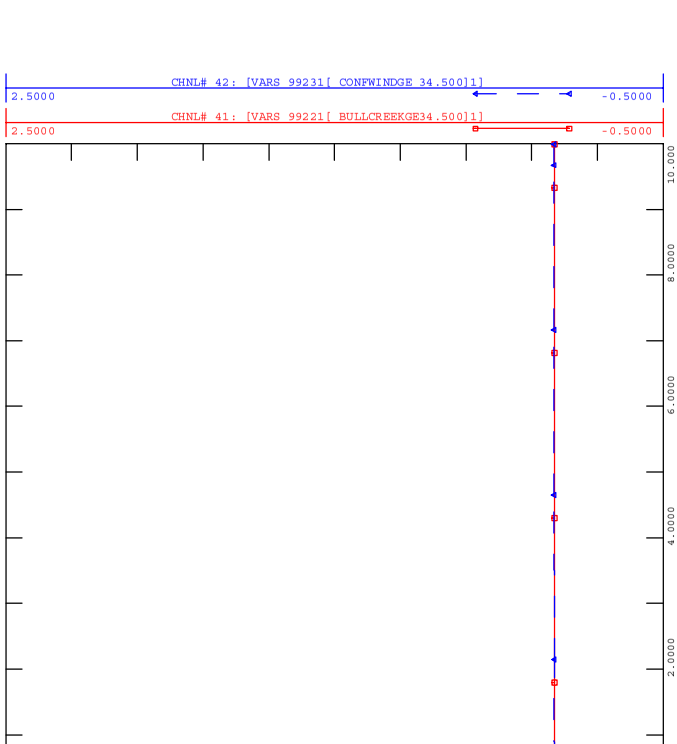


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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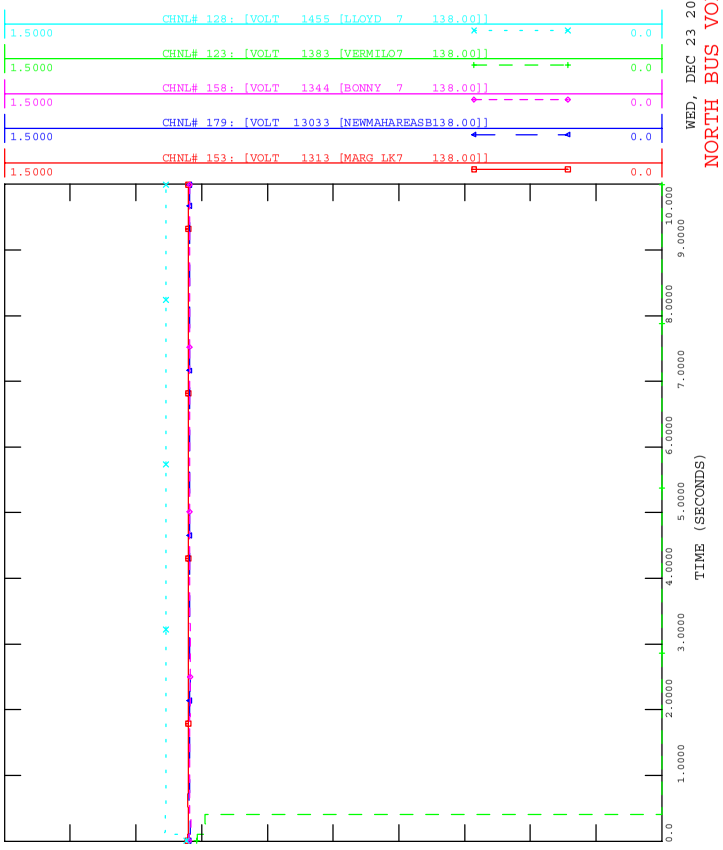


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

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NORTH BUS VOLTAGES

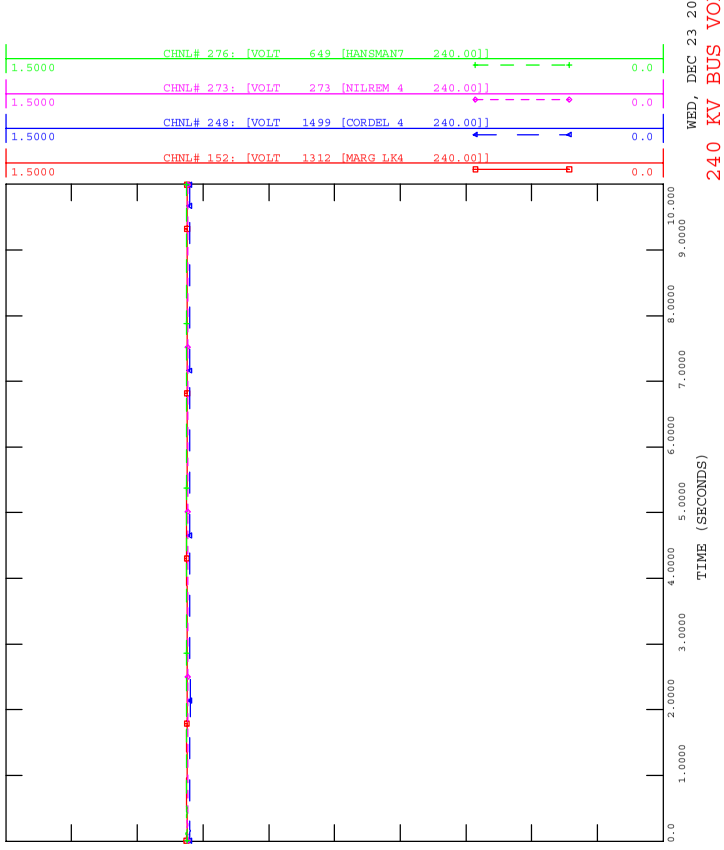


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

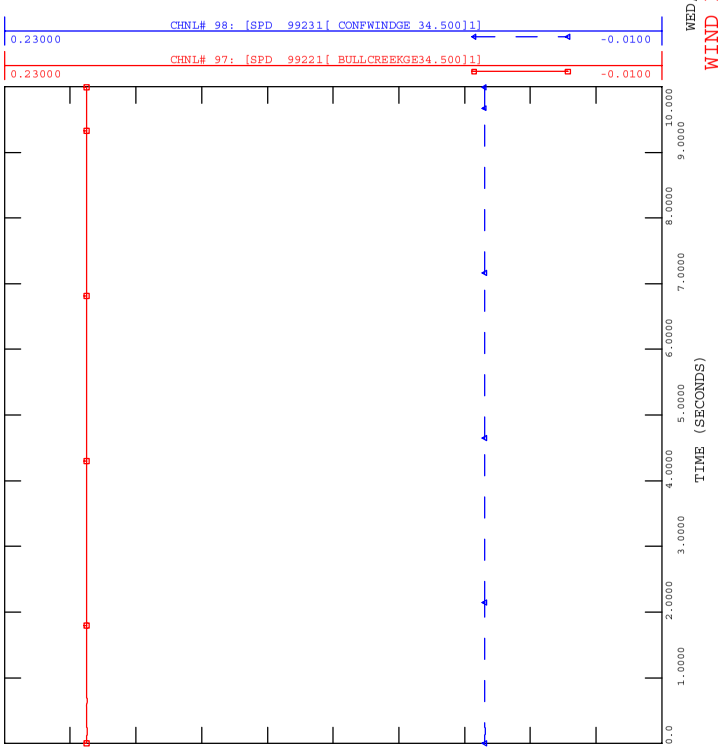


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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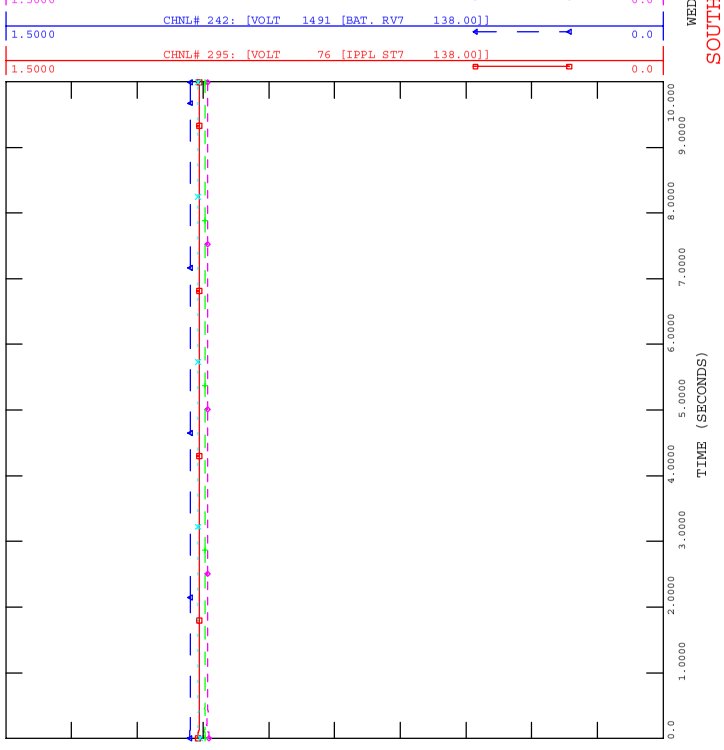


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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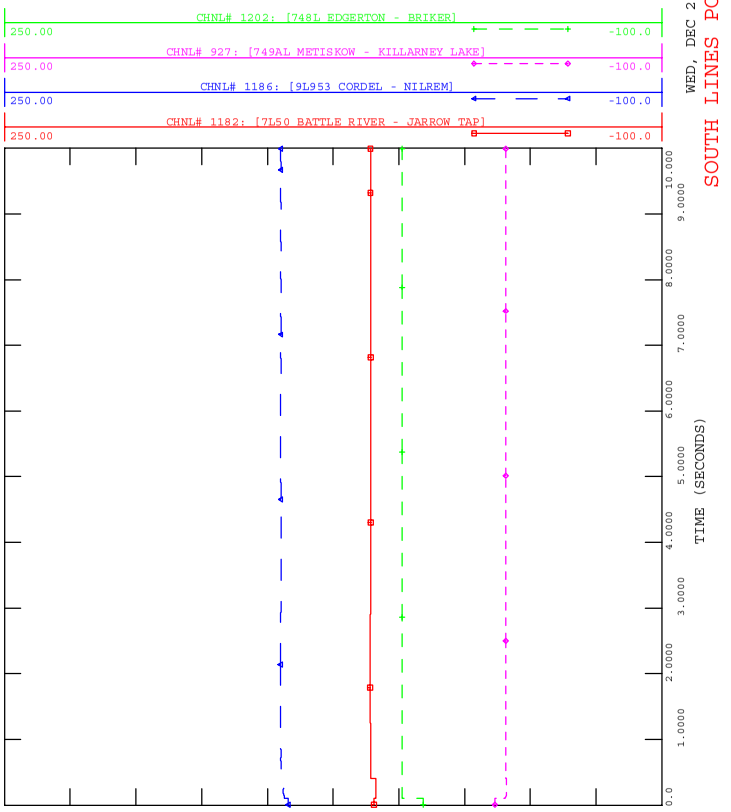
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SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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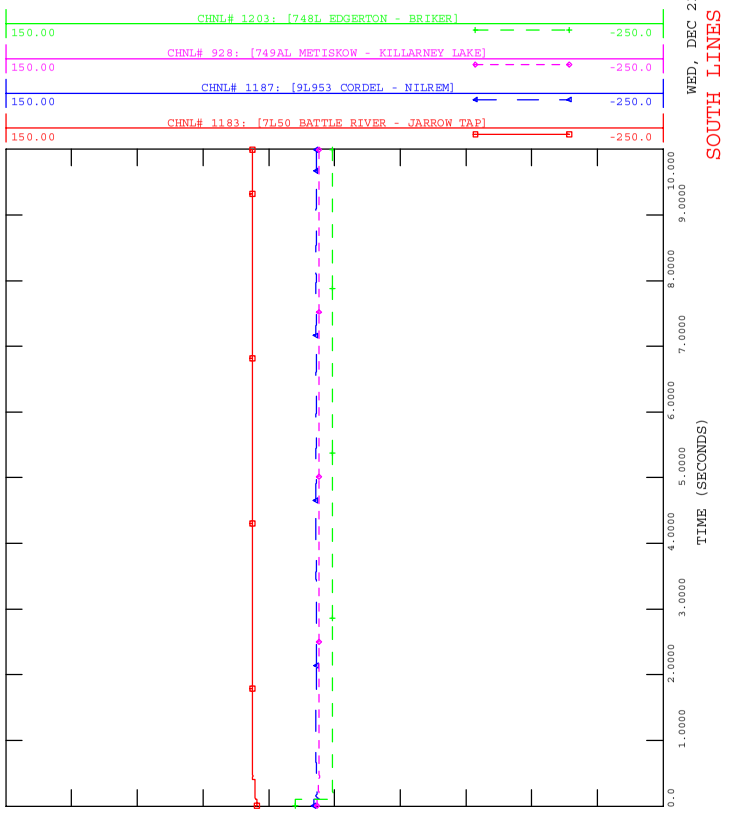


WED, DEC 23 2009 14:07

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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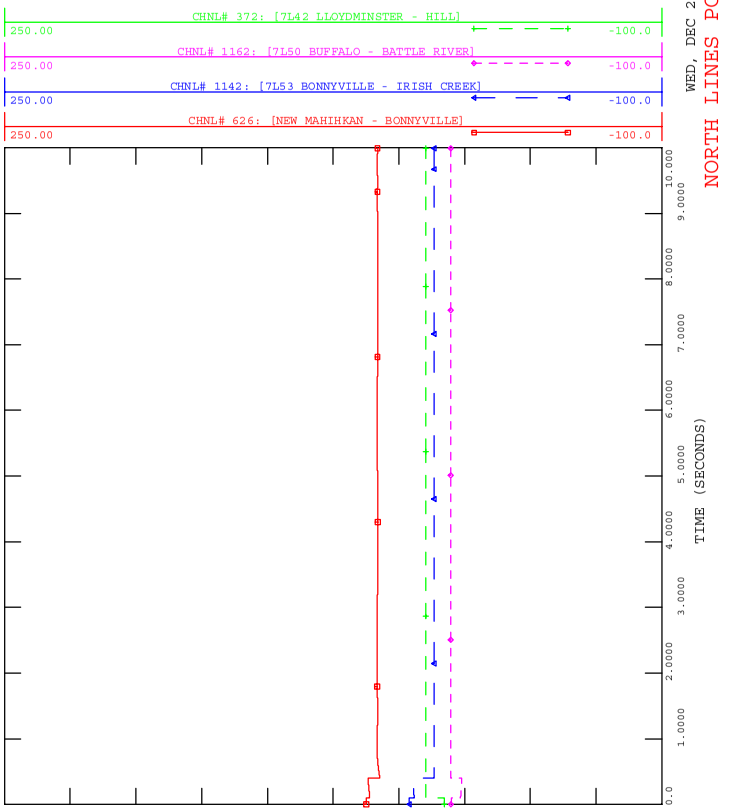


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SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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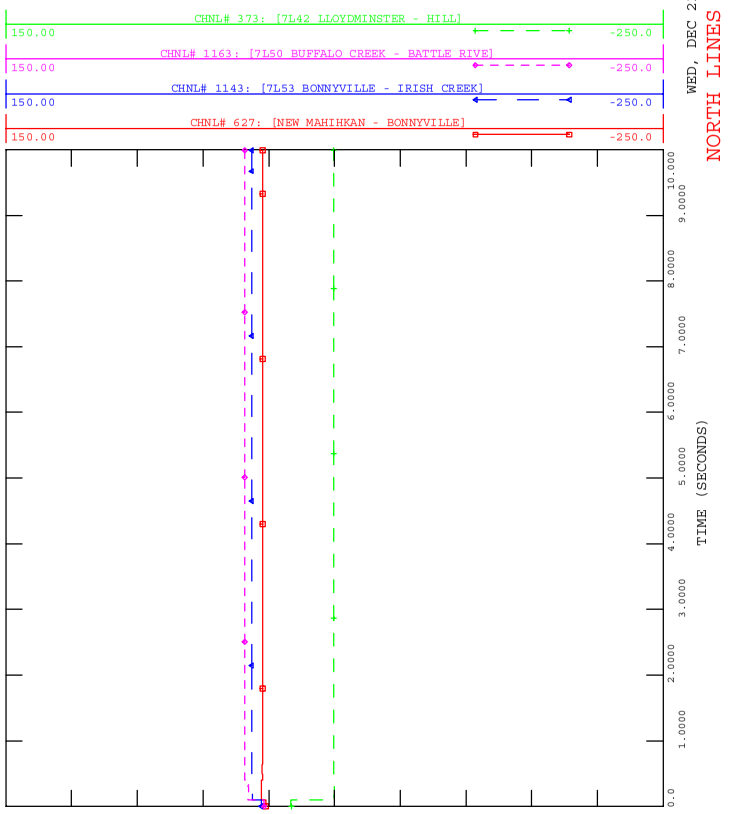


WED, DEC 23 2009 14:07

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out



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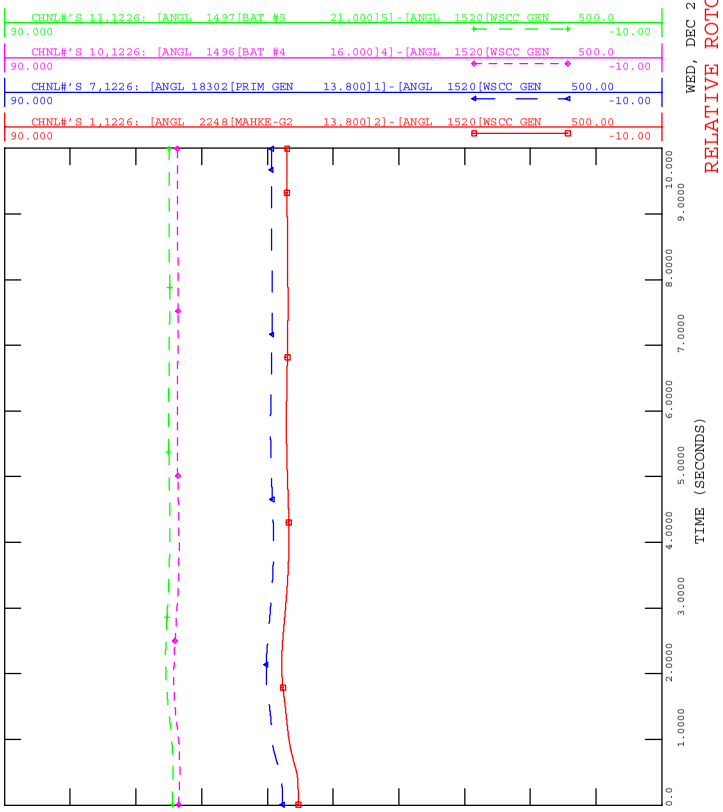
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

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RELATIVE ROTOR ANGLES

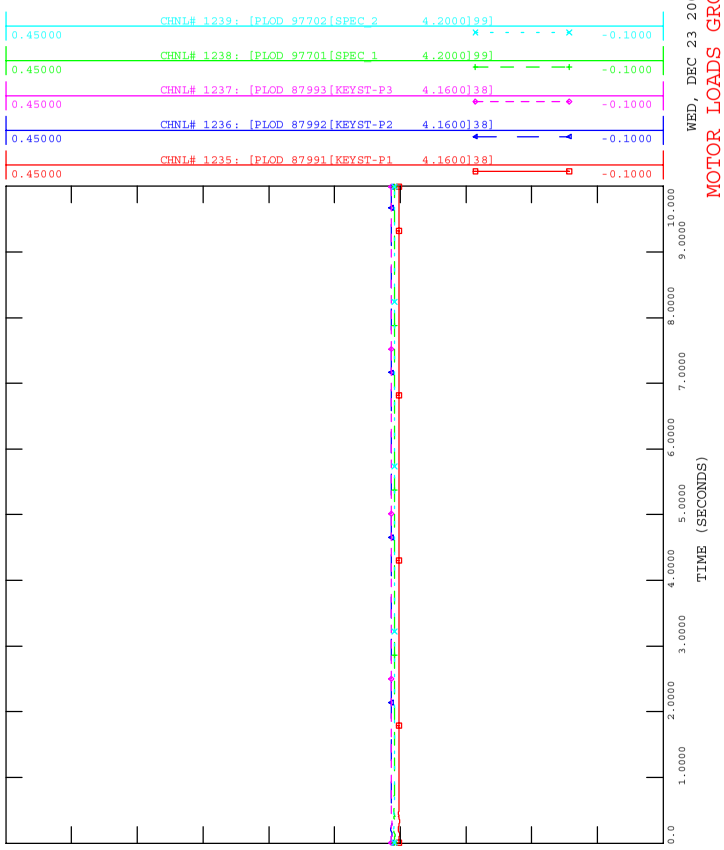


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

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MOTOR LOADS GROUP II

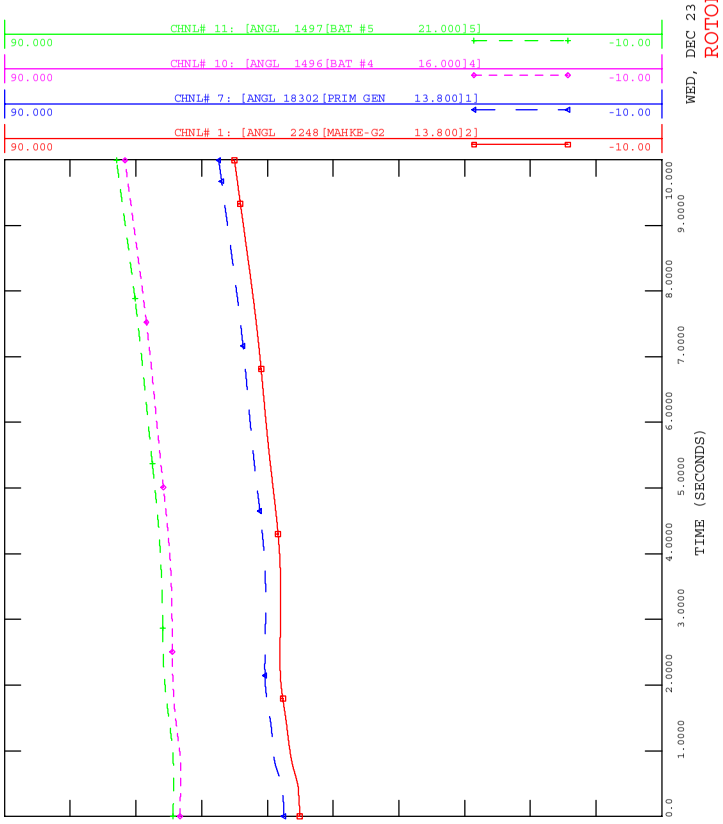


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

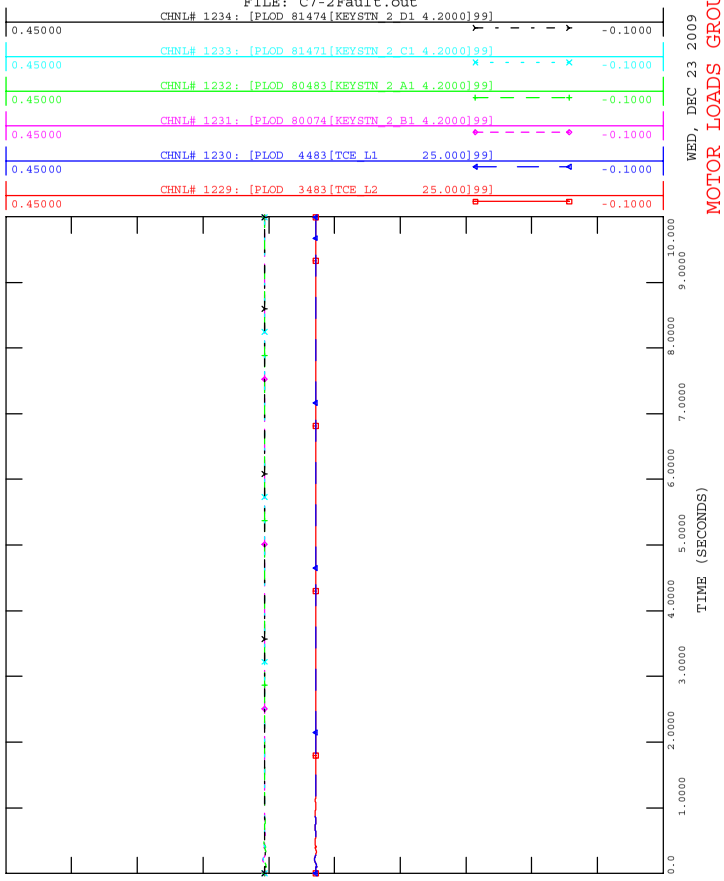


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-2Fault.out

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MOTOR LOADS GROUP I

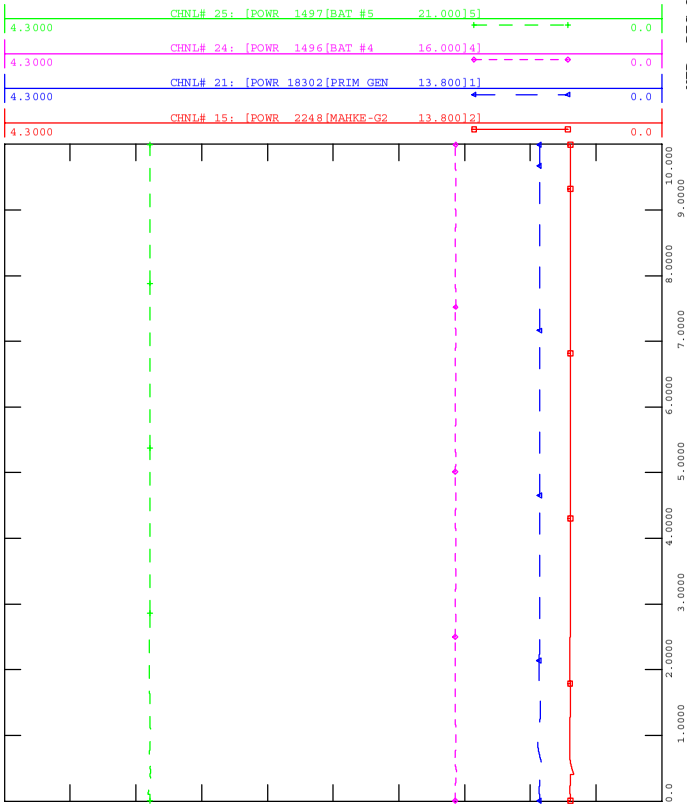


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE POWER

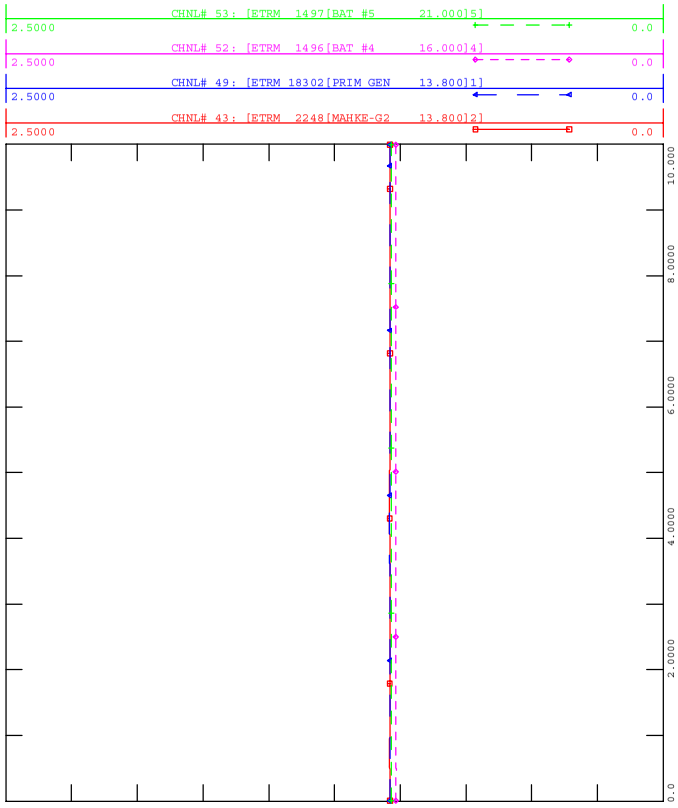


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE TERMINAL VOLTAGE

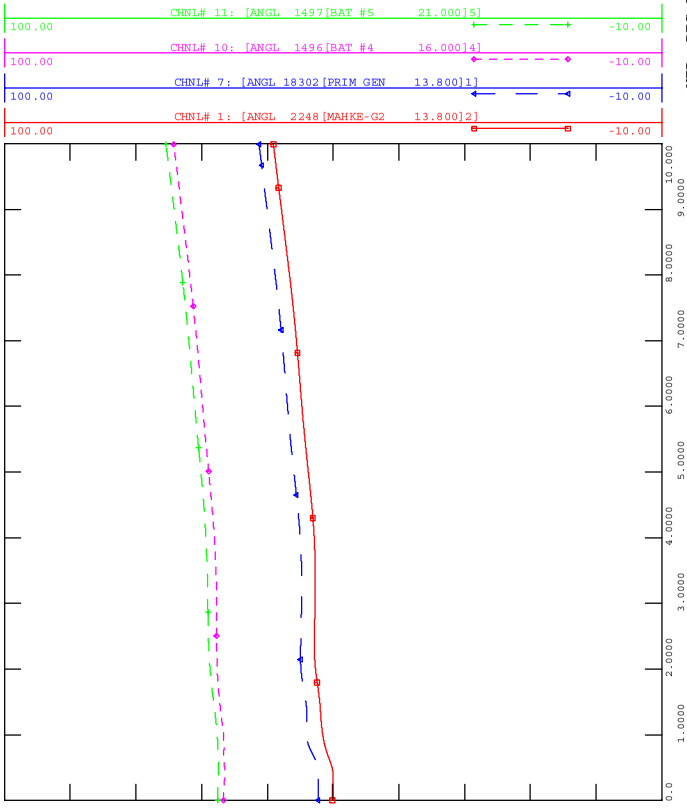


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

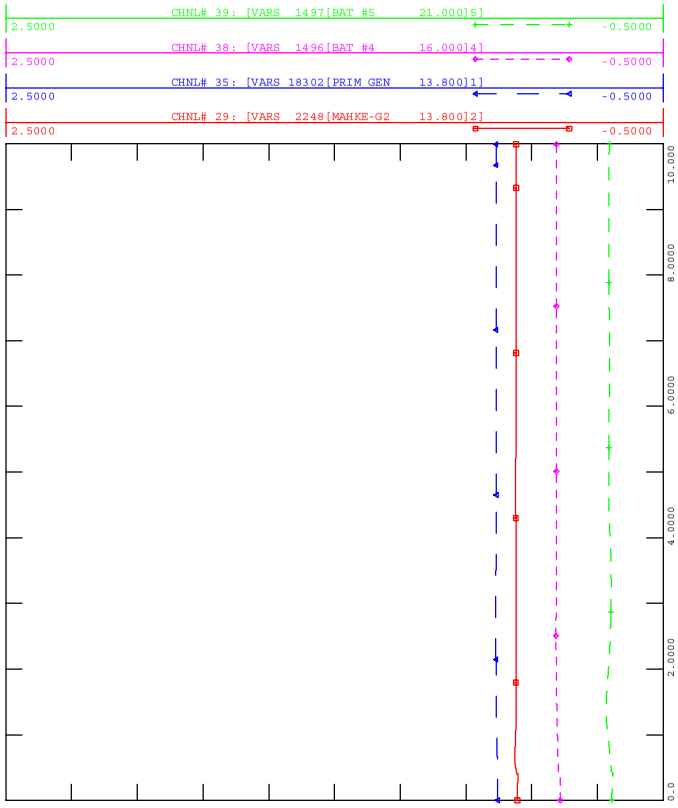


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

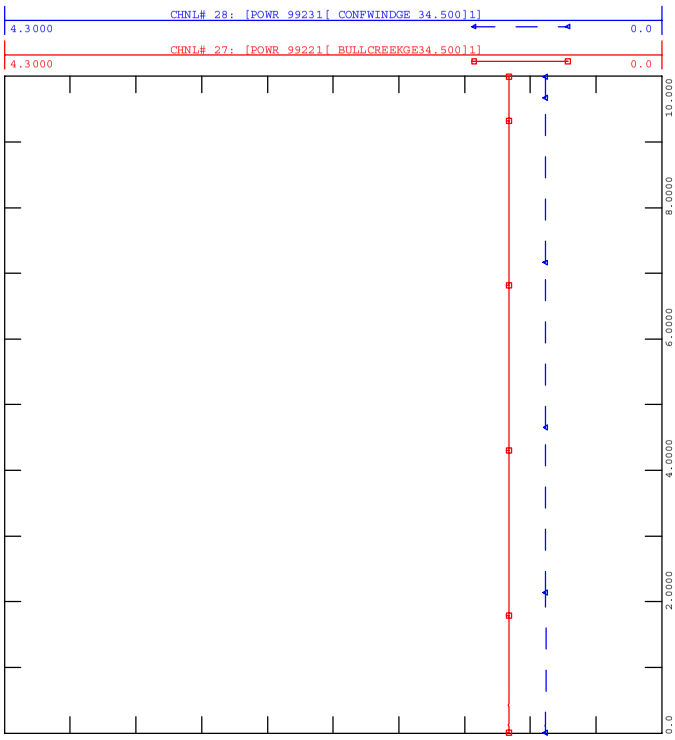


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-3Fault.out

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WIND MACHINE POWER

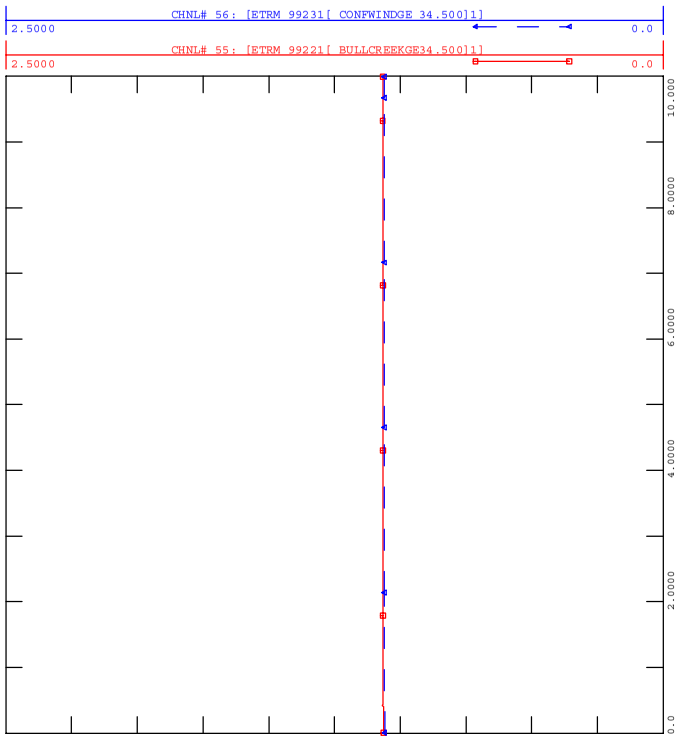


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:07

WIND MACH. TERMINAL VOLTS

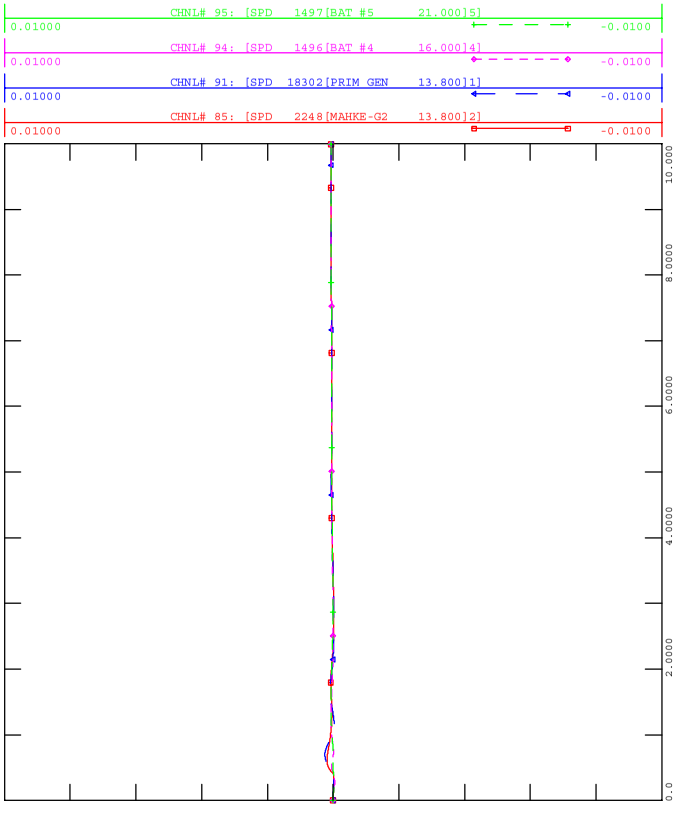


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

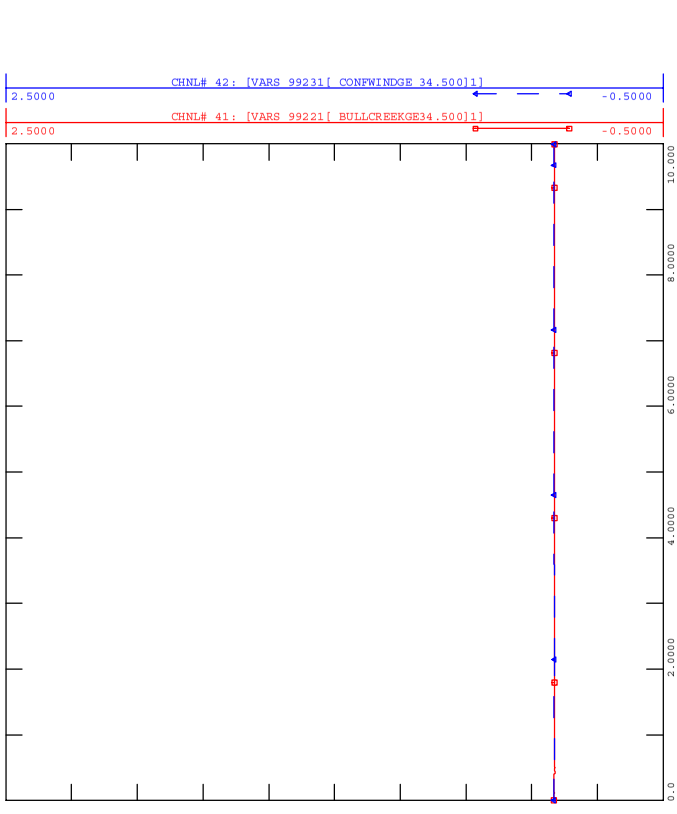


CENTRAL AREA STUDY
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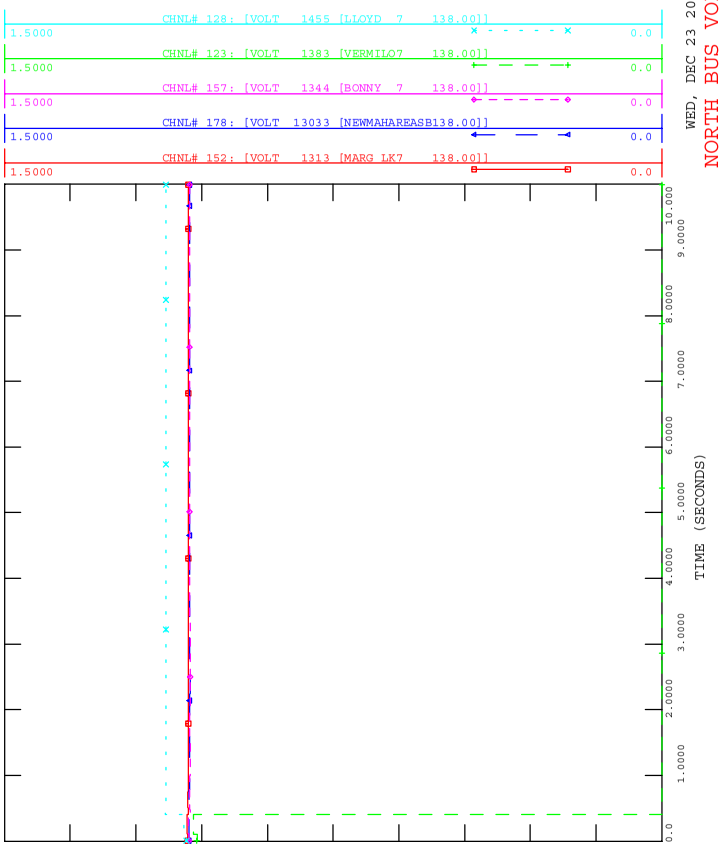


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-3Fault.out

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NORTH BUS VOLTAGES

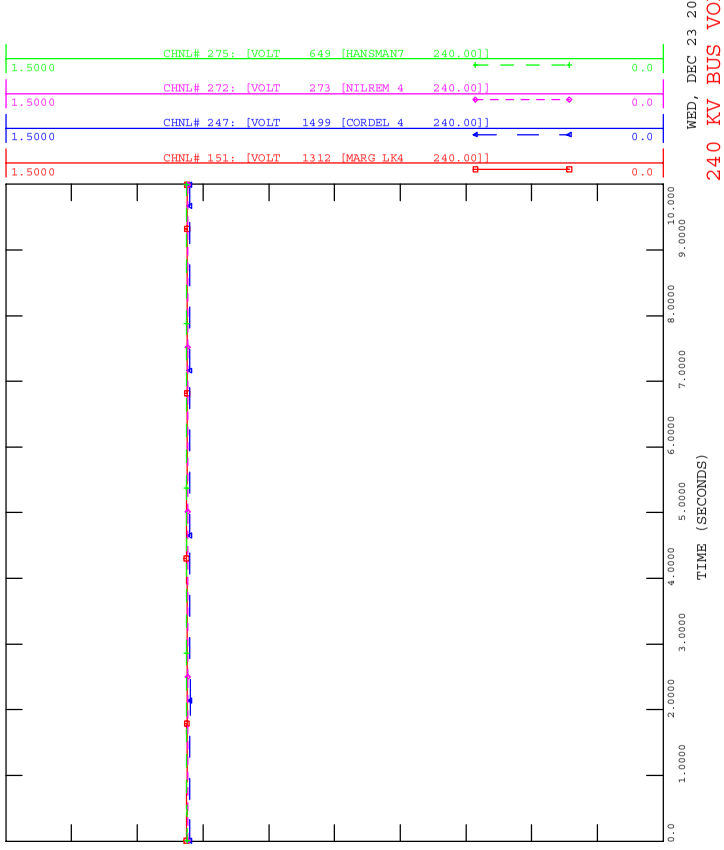


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

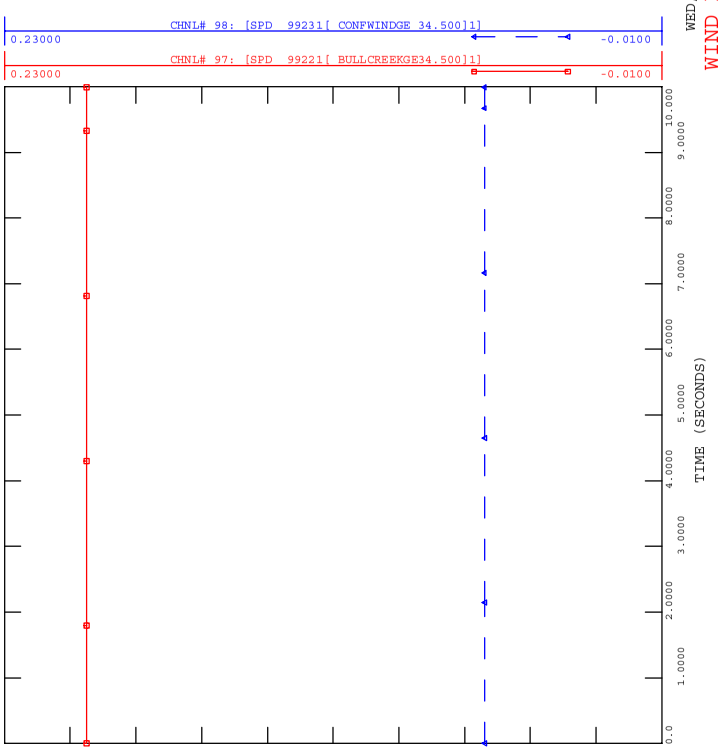


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

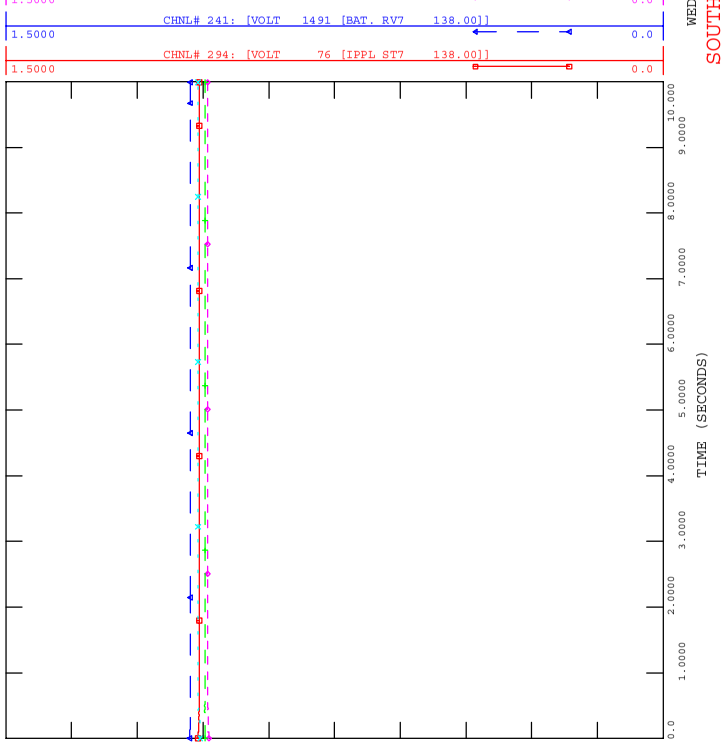


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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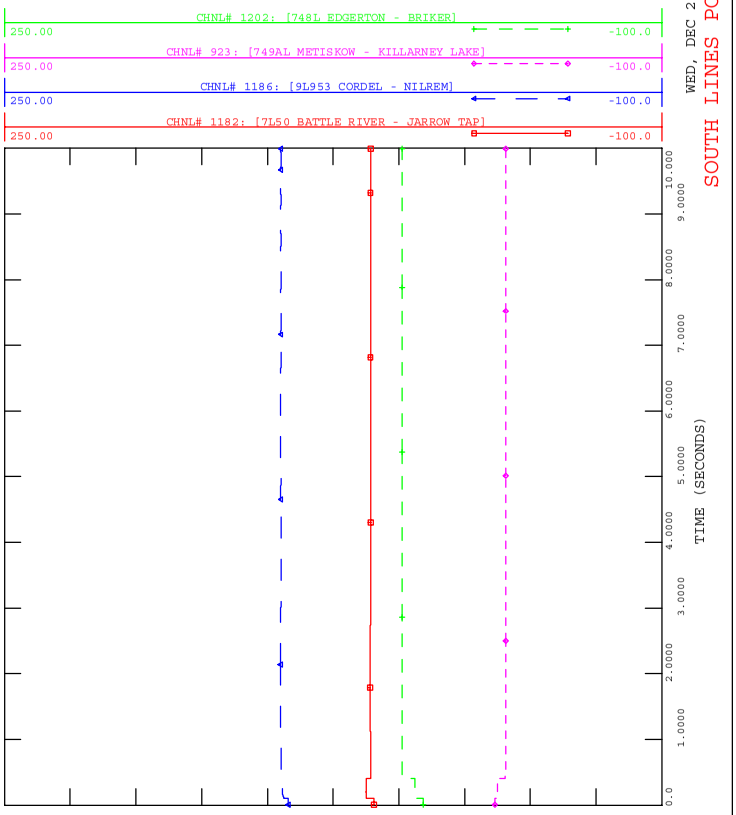
WED, DEC 23 2009 14:07

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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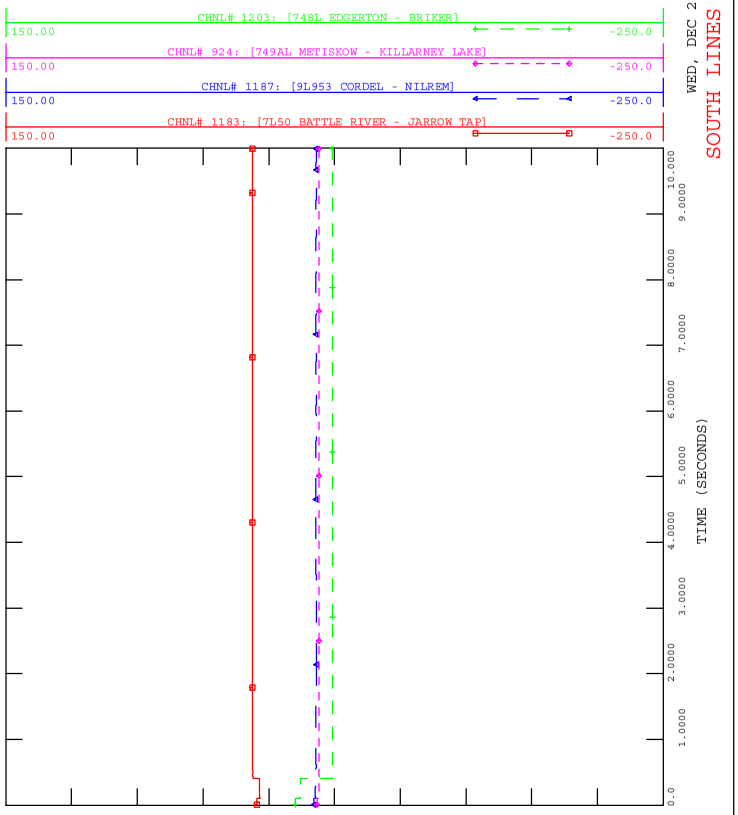


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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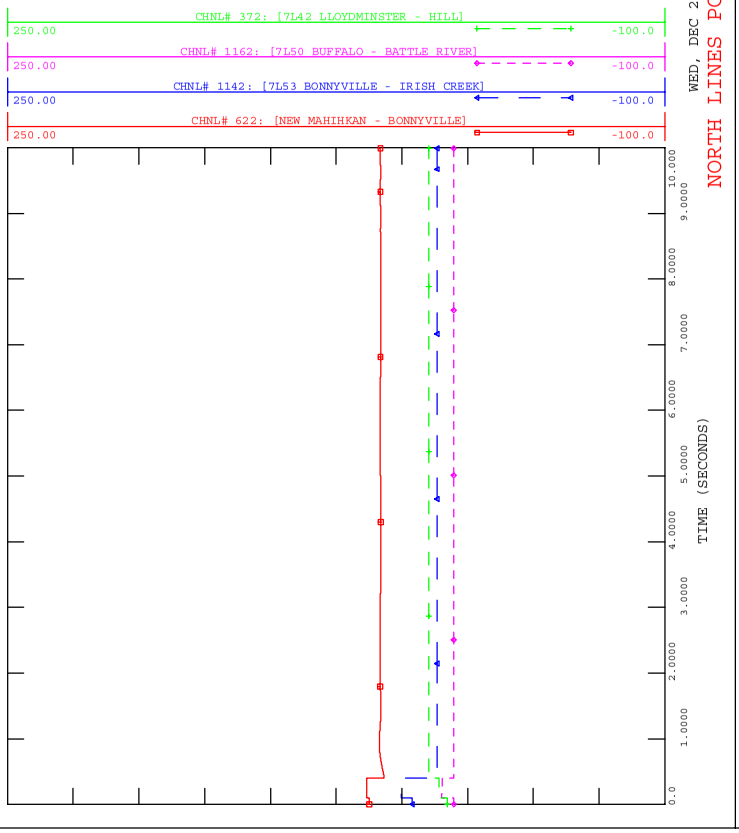


WED, DEC 23 2009 14:07

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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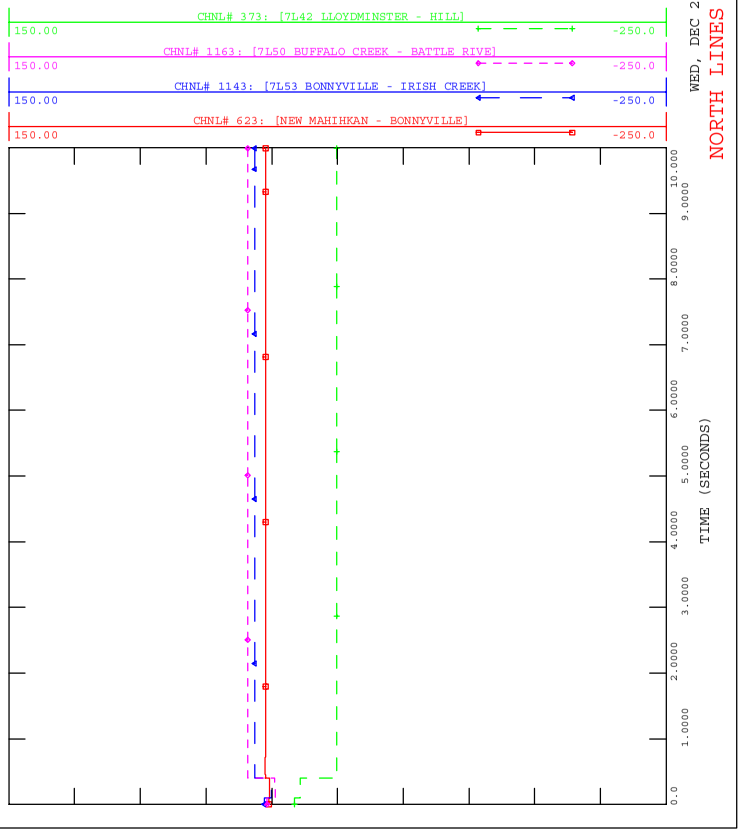


WED, DEC 23 2009 14:07

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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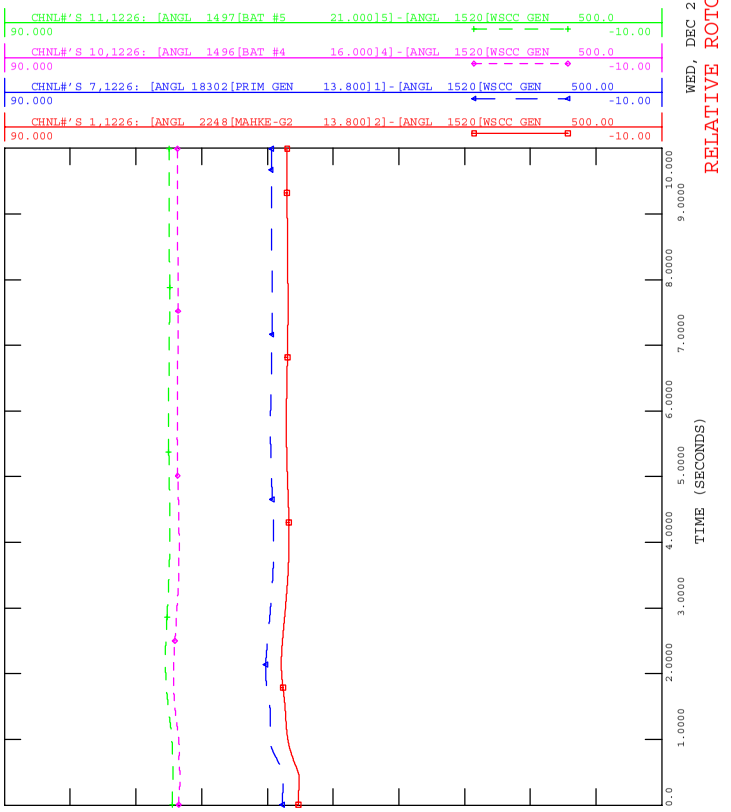
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

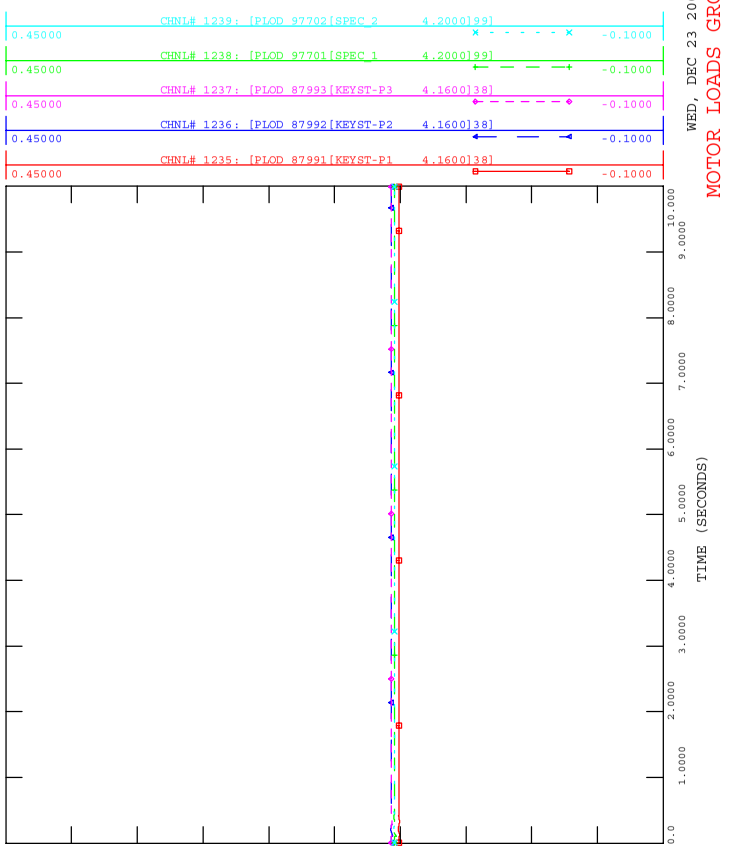


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-3Fault.out

WED, DEC 23 2009 14:07

MOTOR LOADS GROUP II

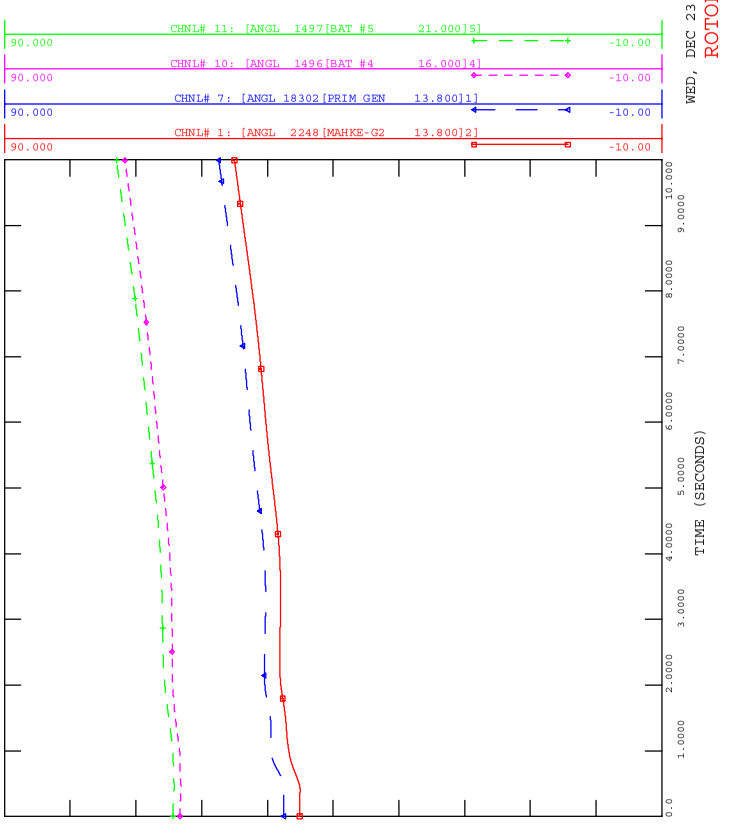


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

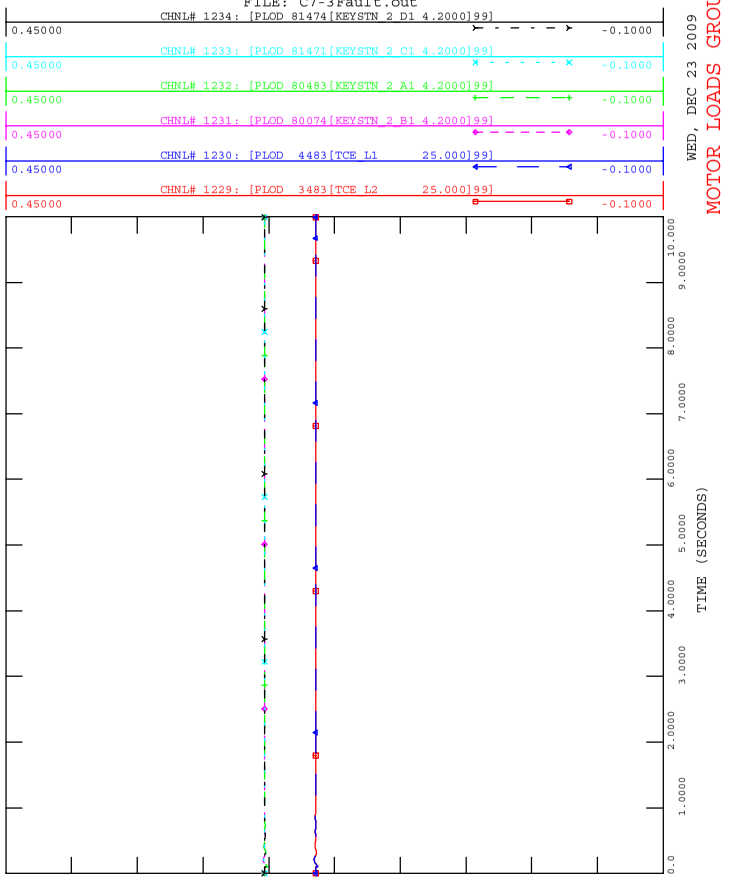


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-3Fault.out

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MOTOR LOADS GROUP I

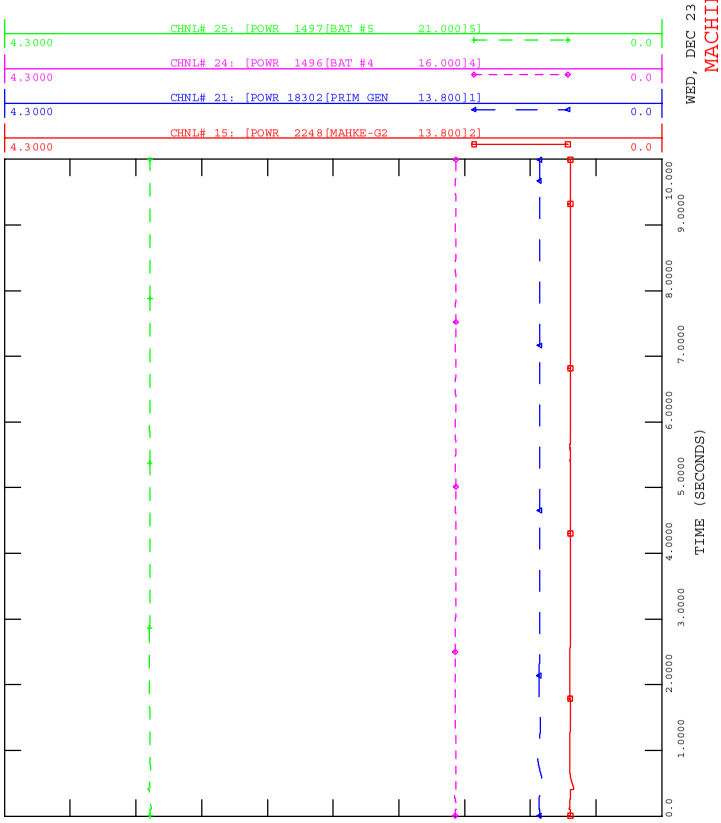


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

MACHINE POWER

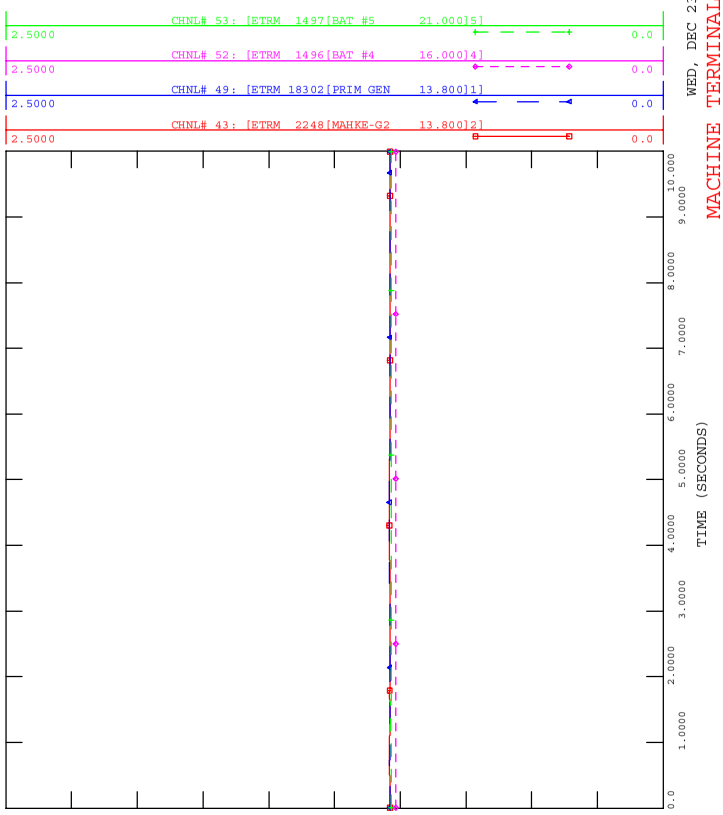


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

MACHINE TERMINAL VOLTAGE

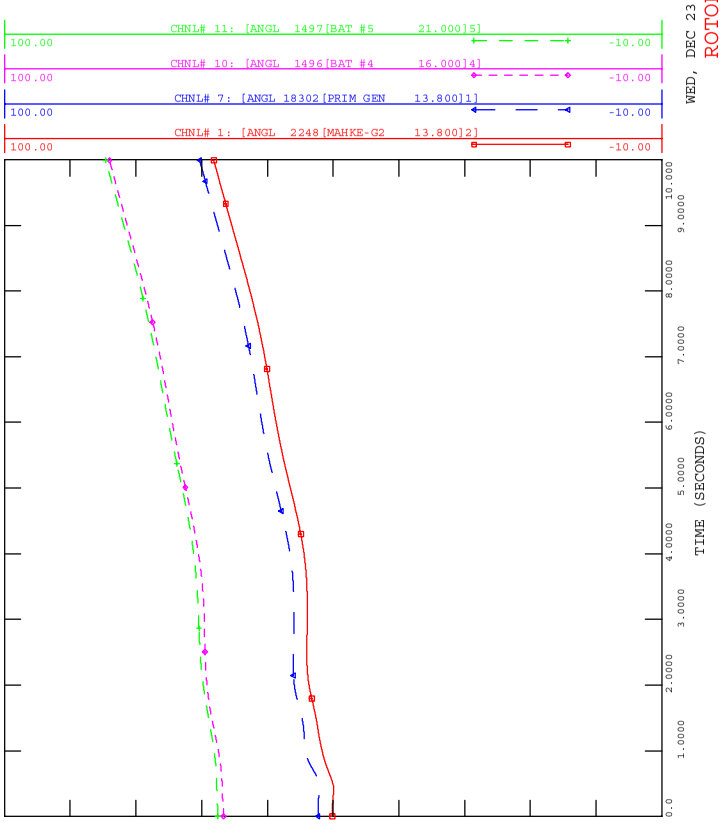


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

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ROTOR ANGLES

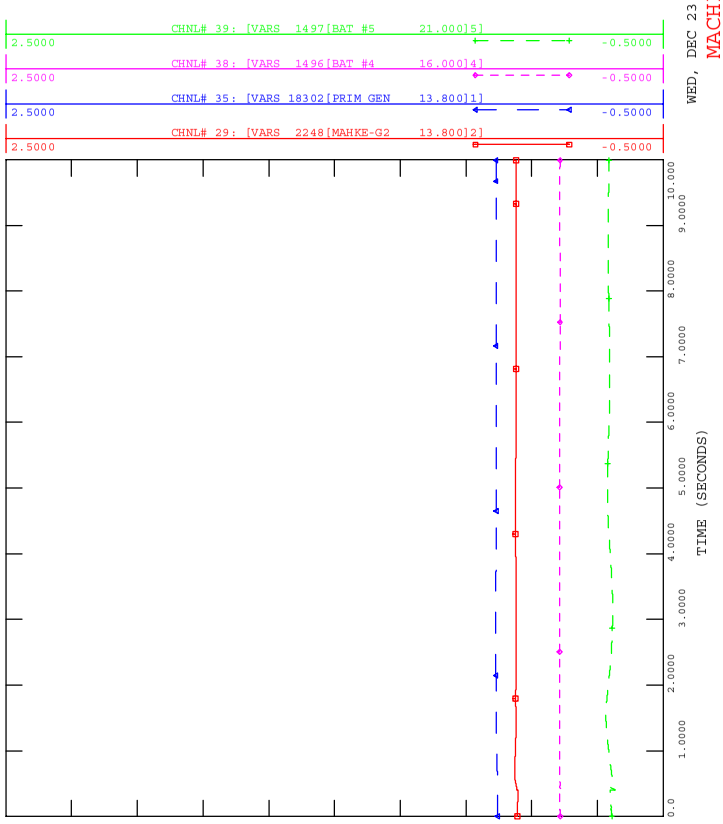


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

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MACHINE VARS

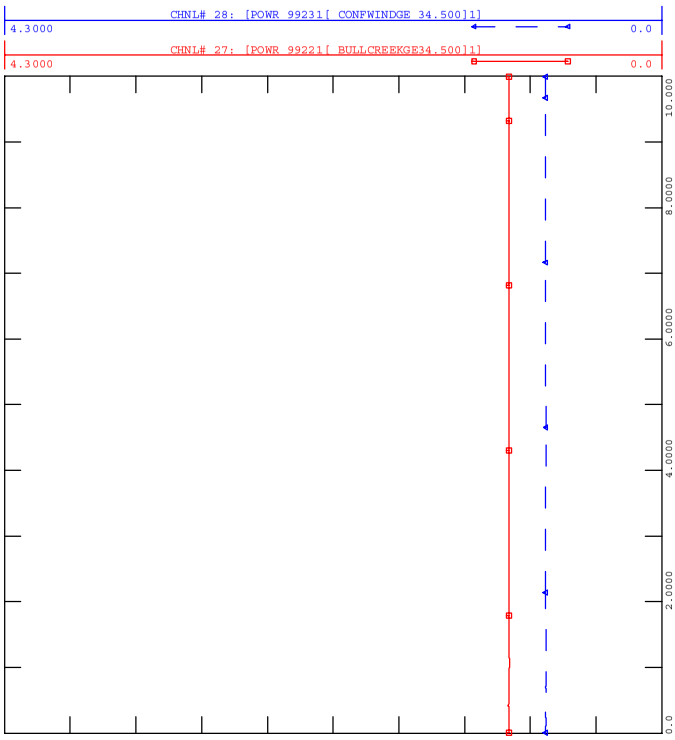


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE POWER

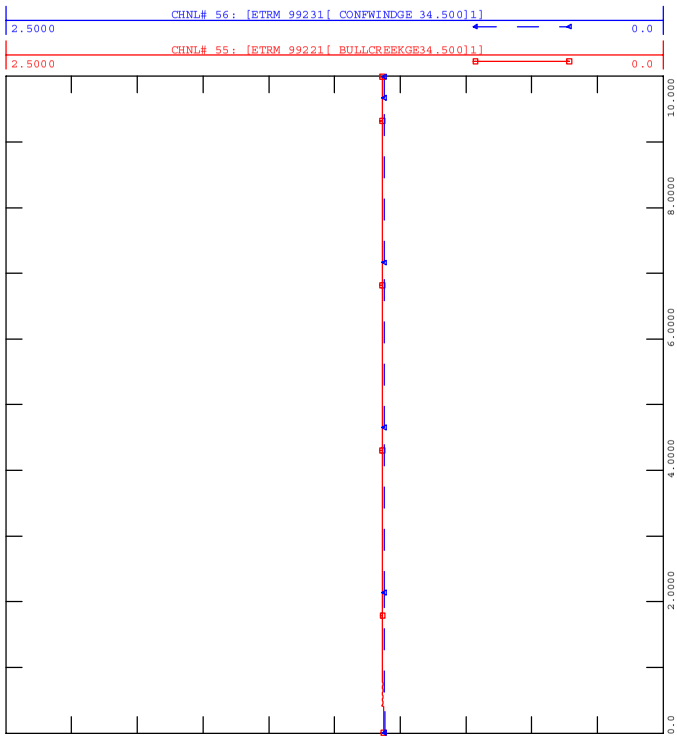


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

WIND MACH. TERMINAL VOLTS

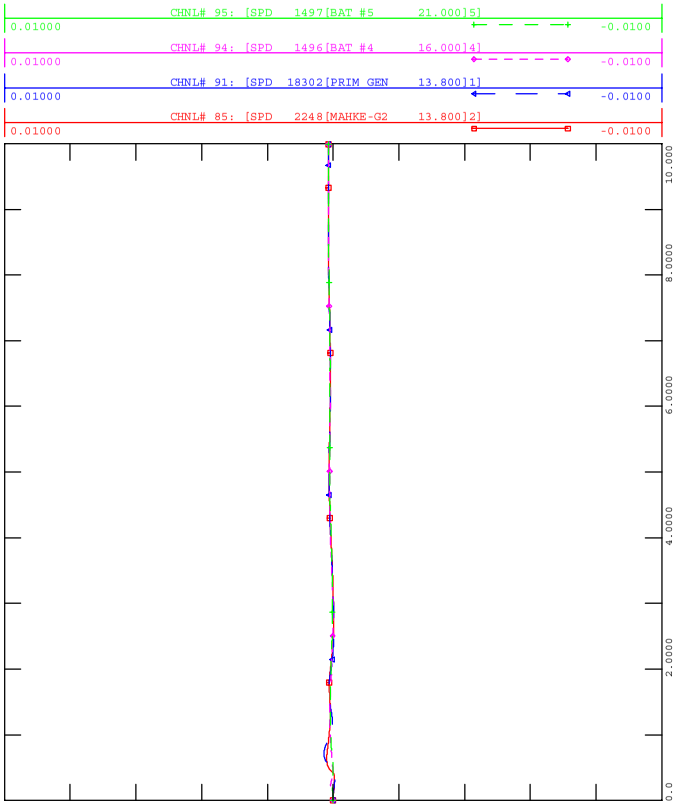


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

MACHINE SPEED

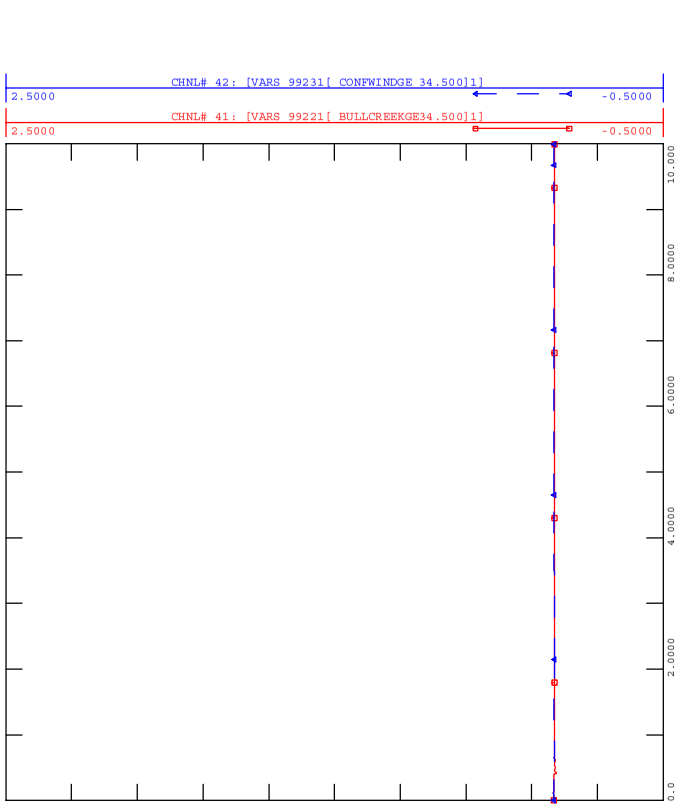


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE VARS

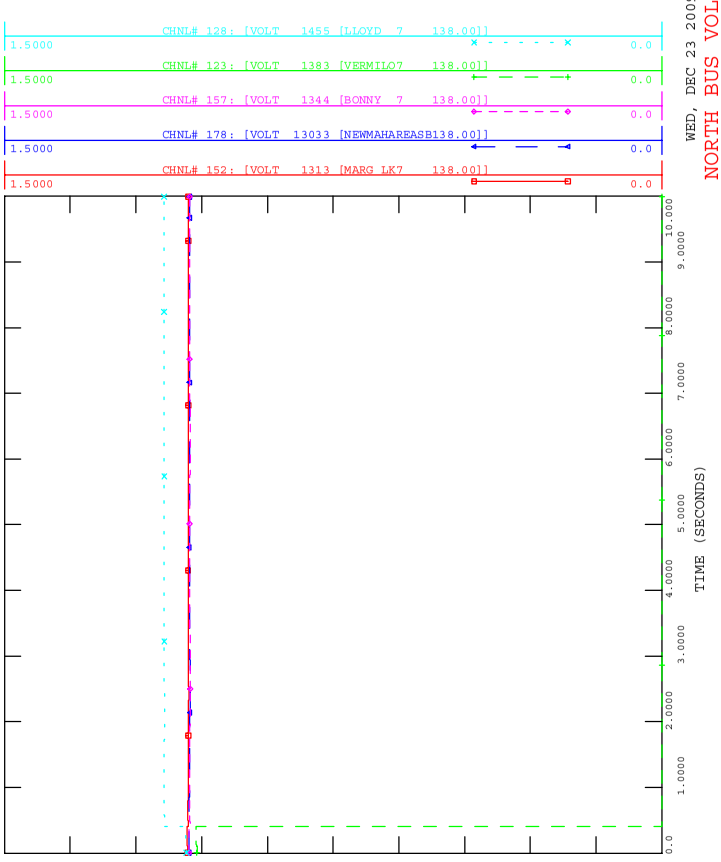


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

NORTH BUS VOLTAGES

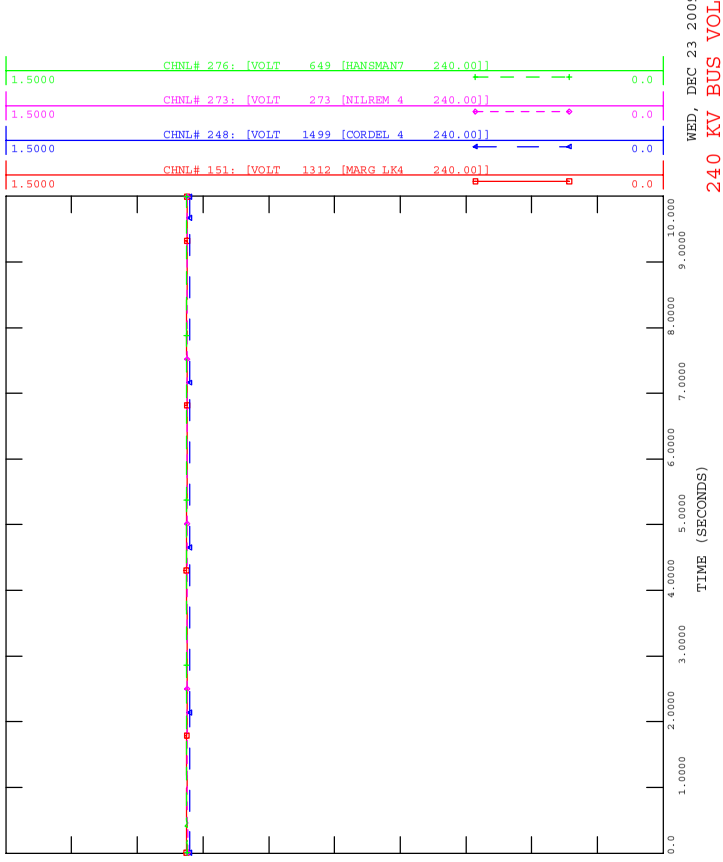


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

240 KV BUS VOLTAGES

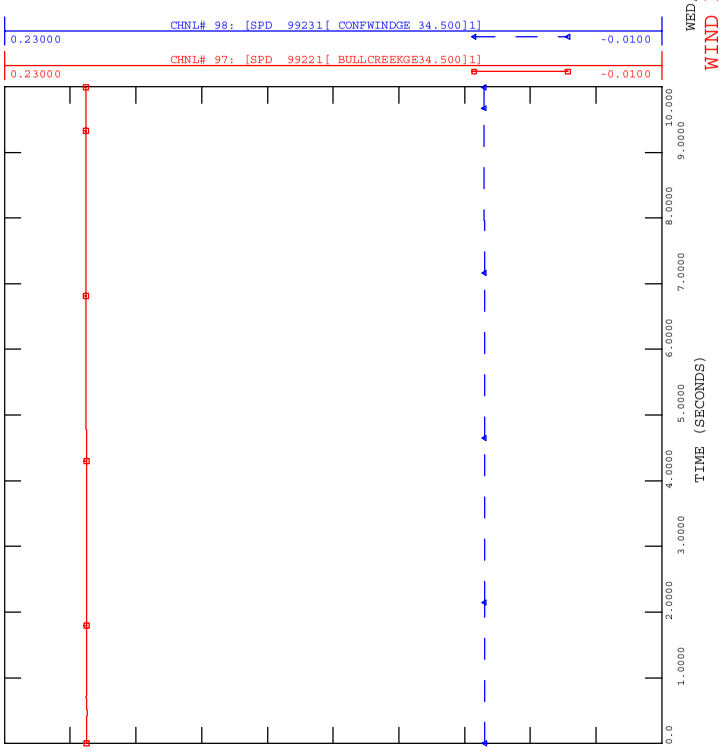


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE SPEED

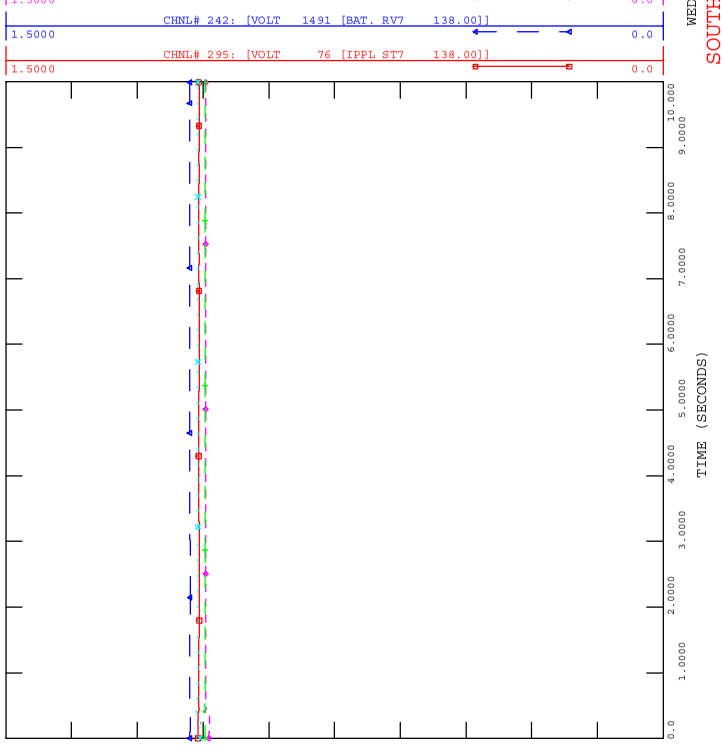


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

SOUTH BUS VOLTAGES



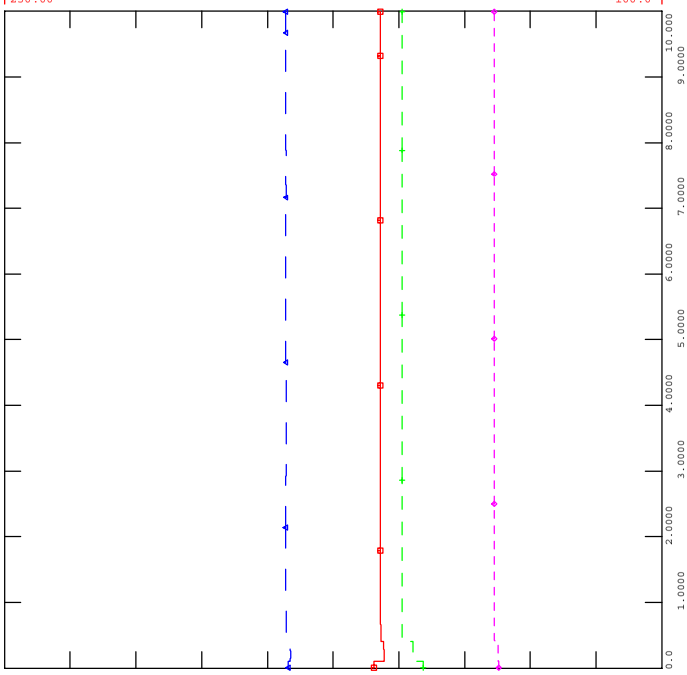
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

SOUTH LINES POWER FLOW

CHNL# 1202: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 926: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1186: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1182: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



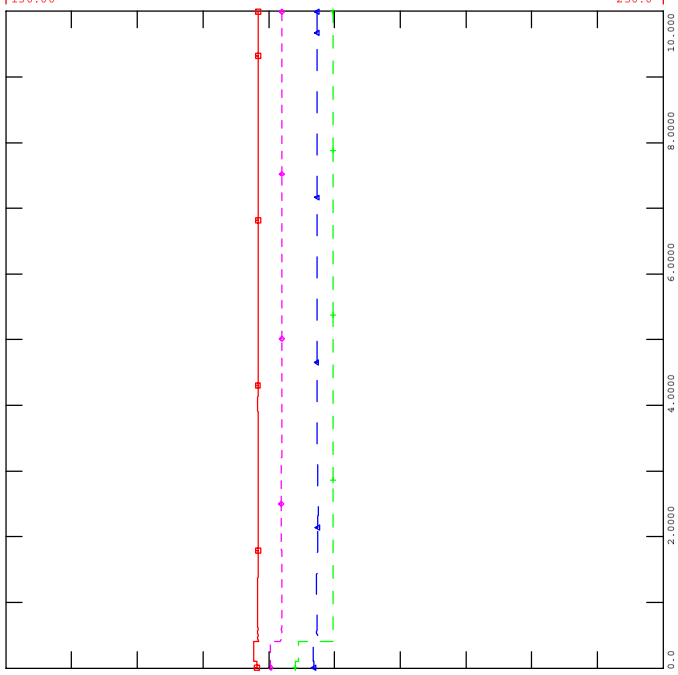
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

SOUTH LINES VAR FLOW

CHNL# 1203: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 927: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1187: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1183: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



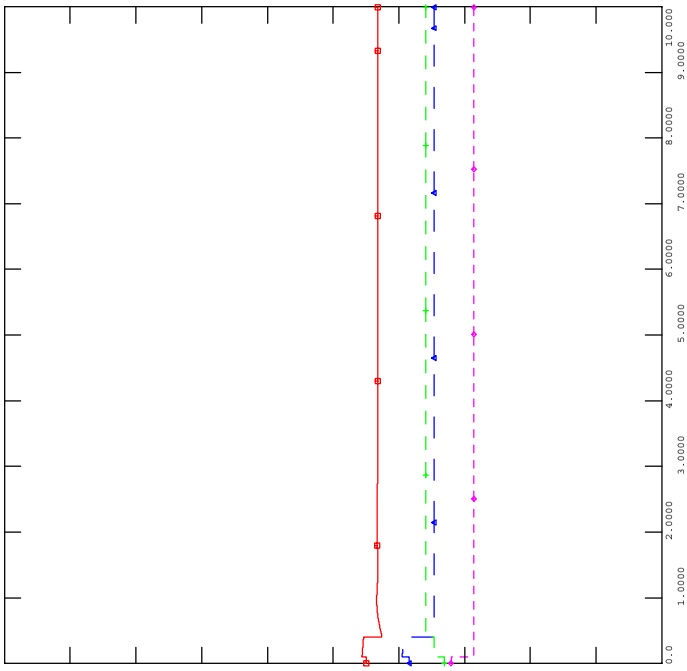
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

NORTH LINES POWER FLOW

CHNL# 372: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1166: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1142: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 622: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



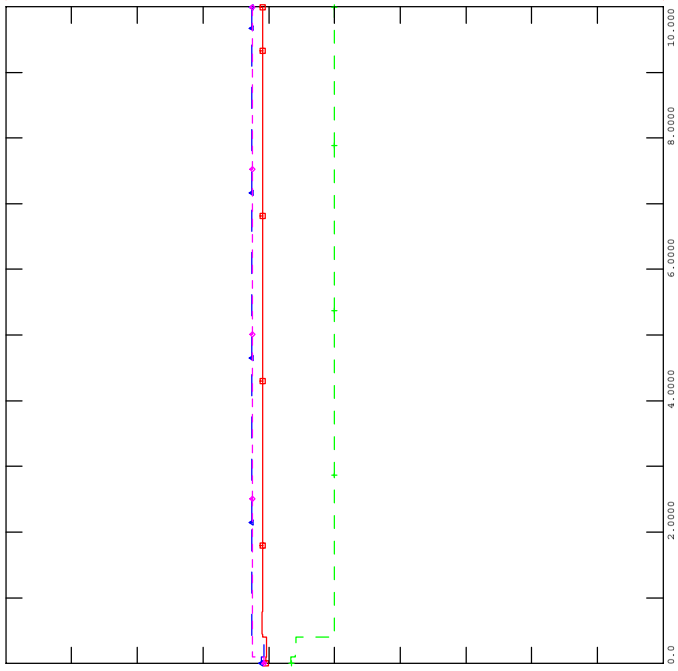
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

NORTH LINES VAR FLOW

CHNL# 373: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1167: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1143: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 623: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

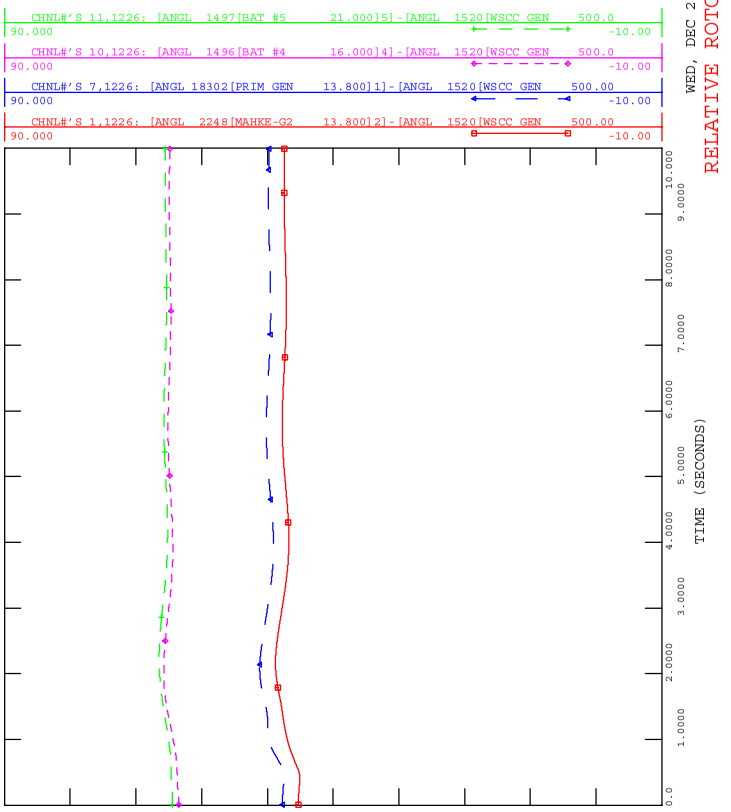


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

RELATIVE ROTOR ANGLES

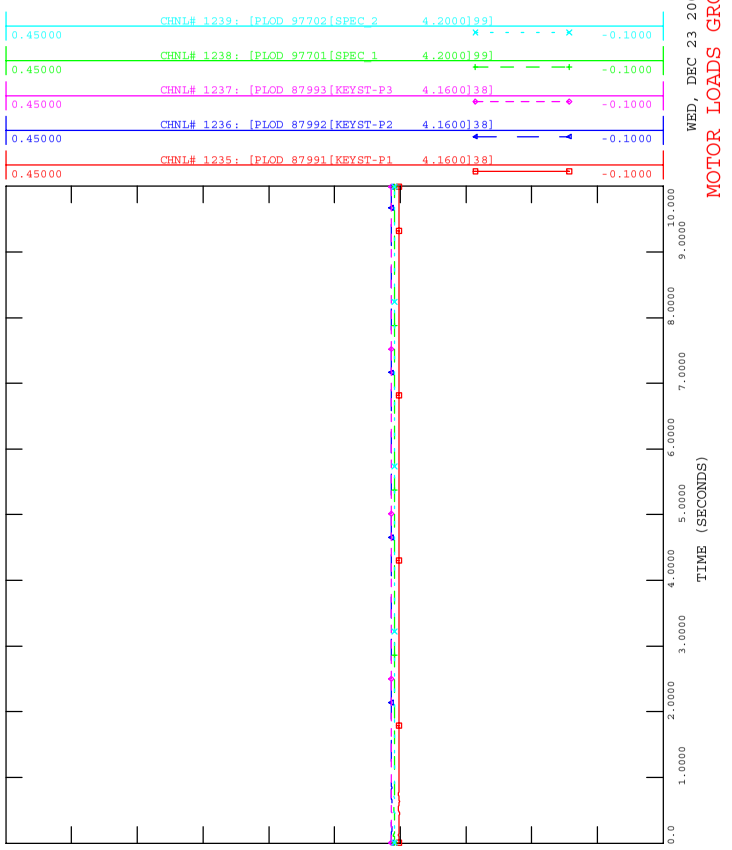


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

MOTOR LOADS GROUP II

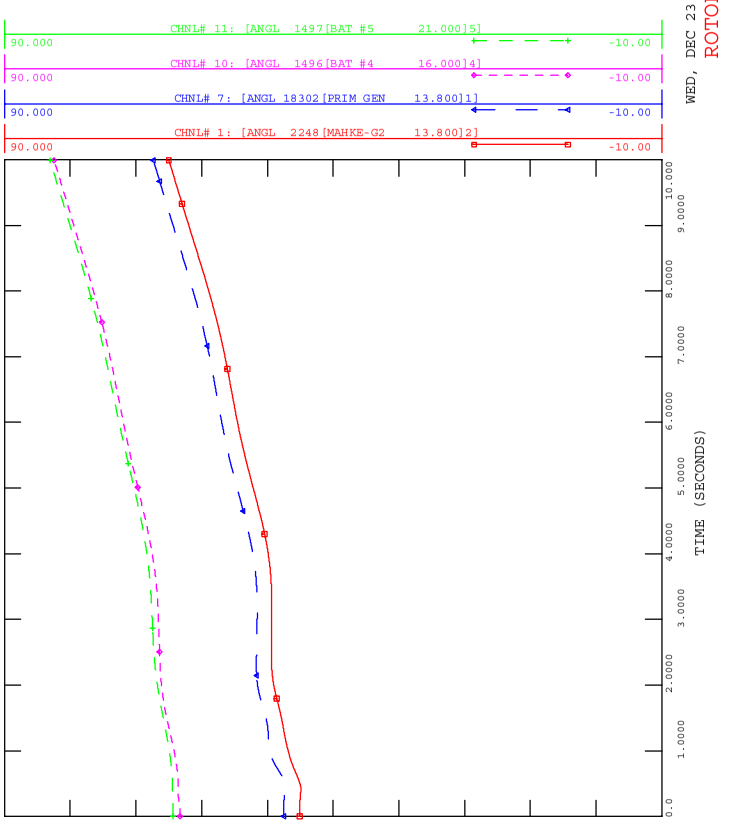


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

ROTOR ANGLES

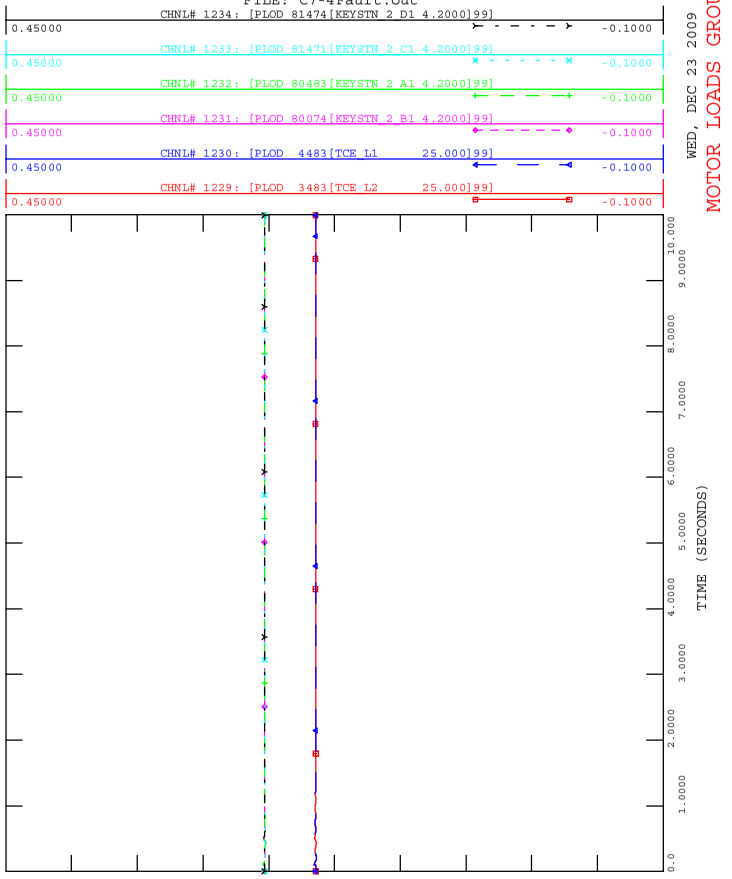


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-4Fault.out

WED, DEC 23 2009 14:08

MOTOR LOADS GROUP I

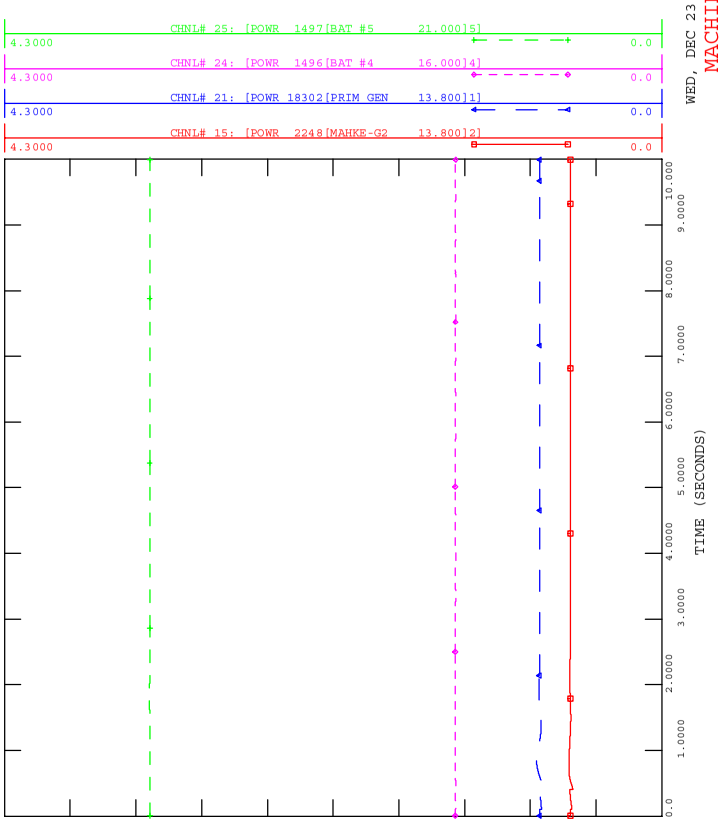


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

MACHINE POWER

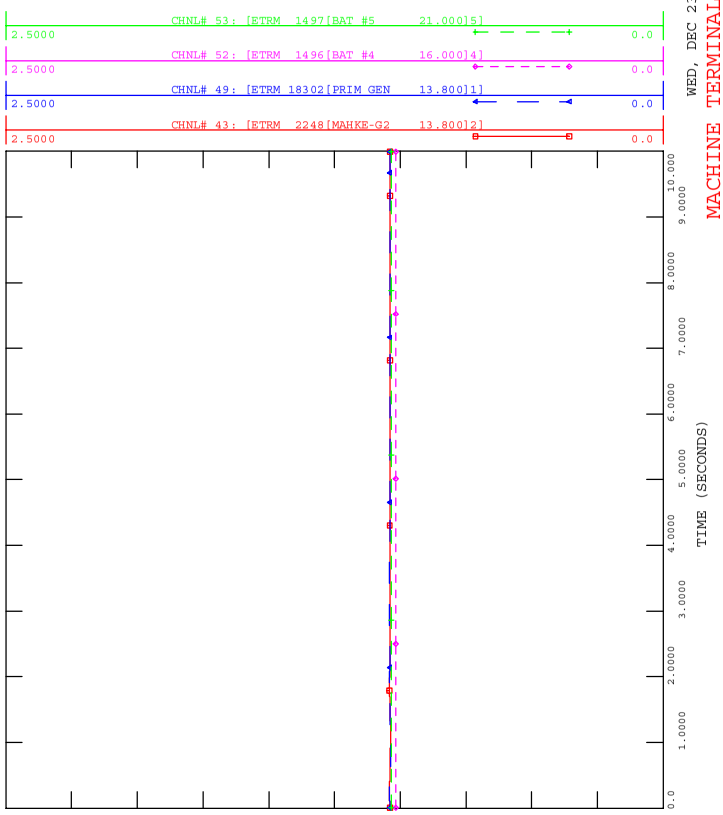


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

MACHINE TERMINAL VOLTAGE

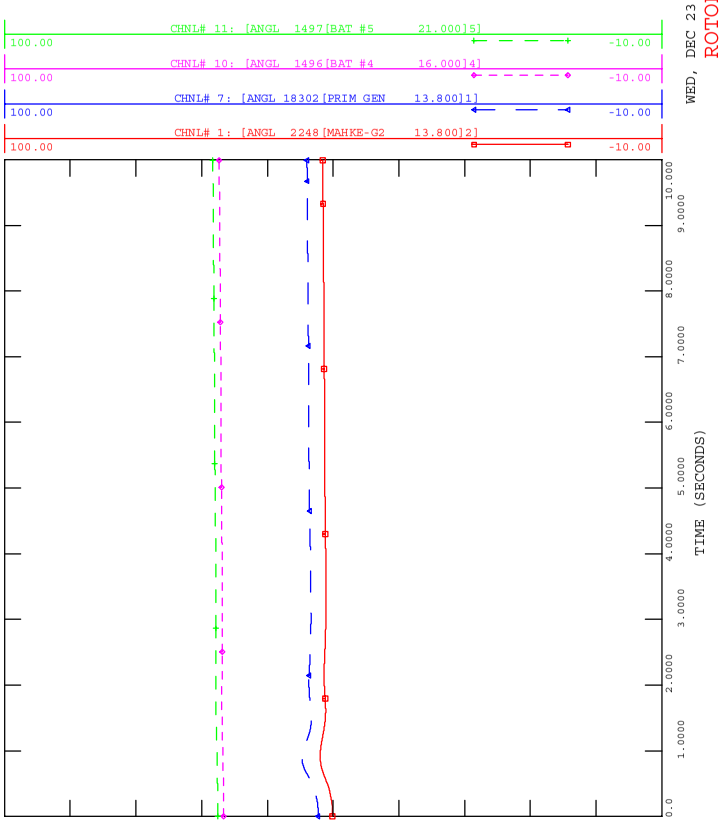


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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ROTOR ANGLES

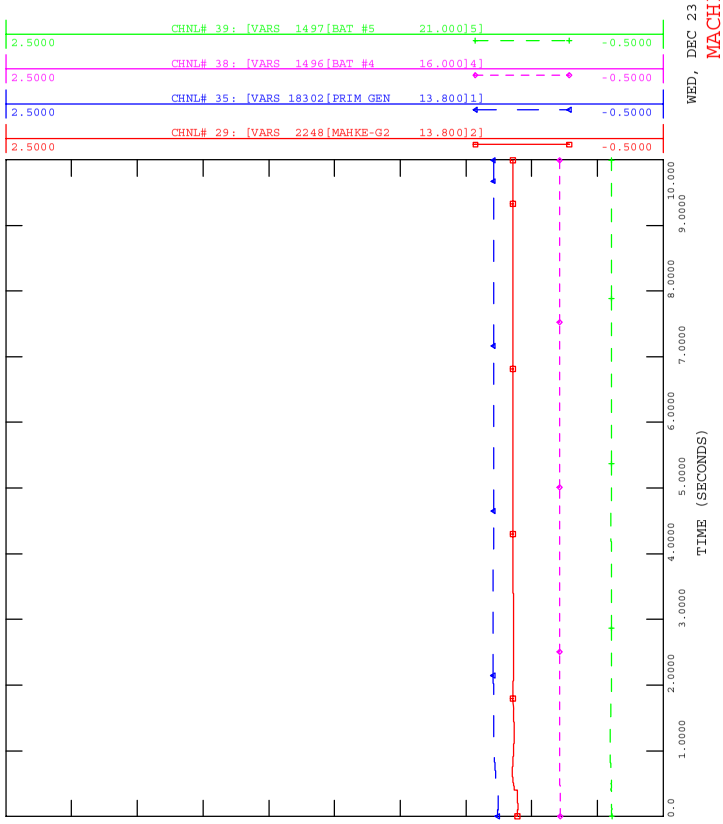


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

MACHINE VARS

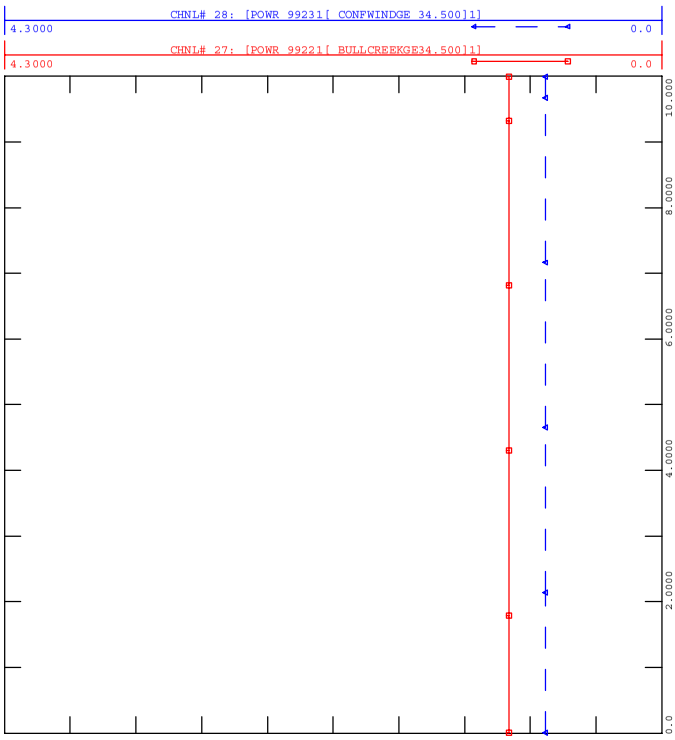


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE POWER

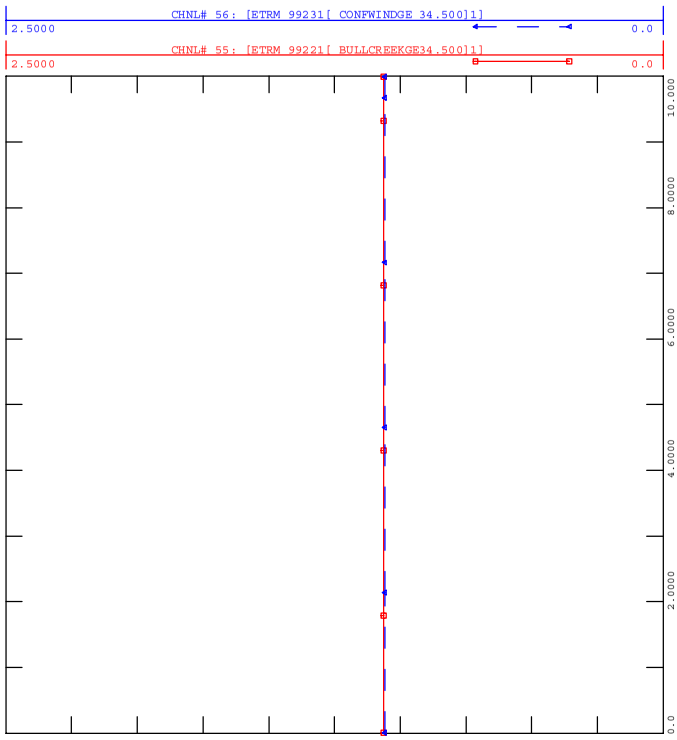


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

WIND MACH. TERMINAL VOLTS

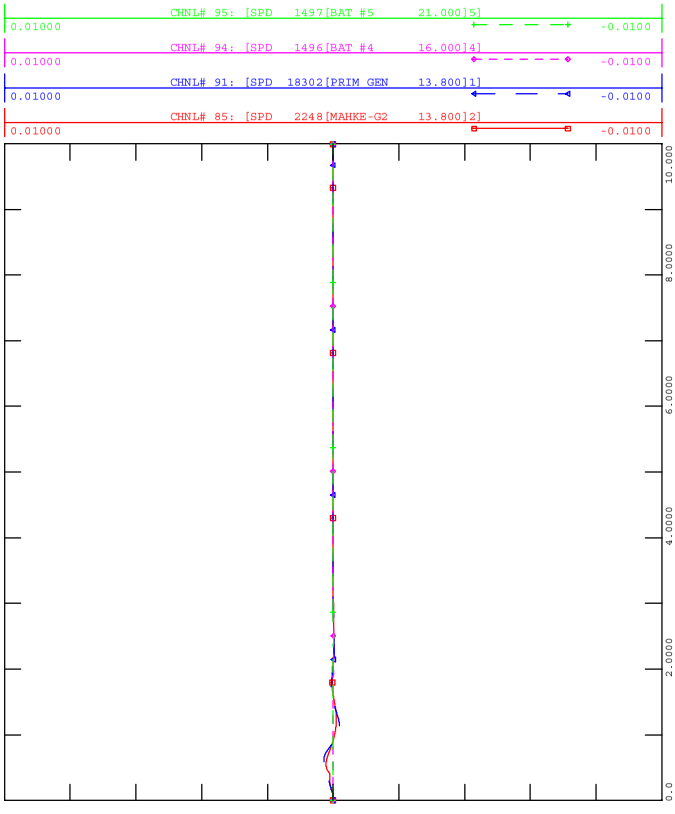


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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MACHINE SPEED

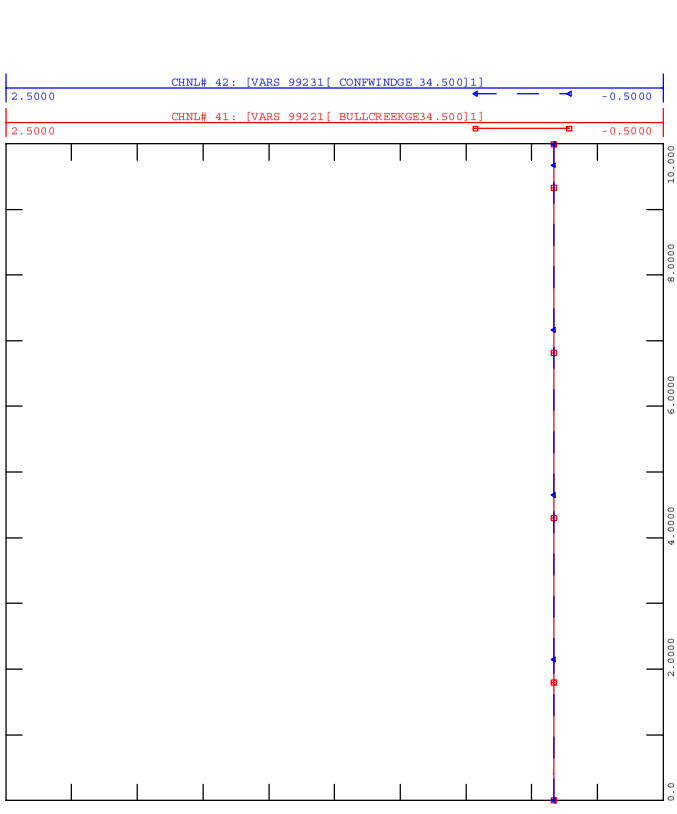


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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WIND MACHINE VARS

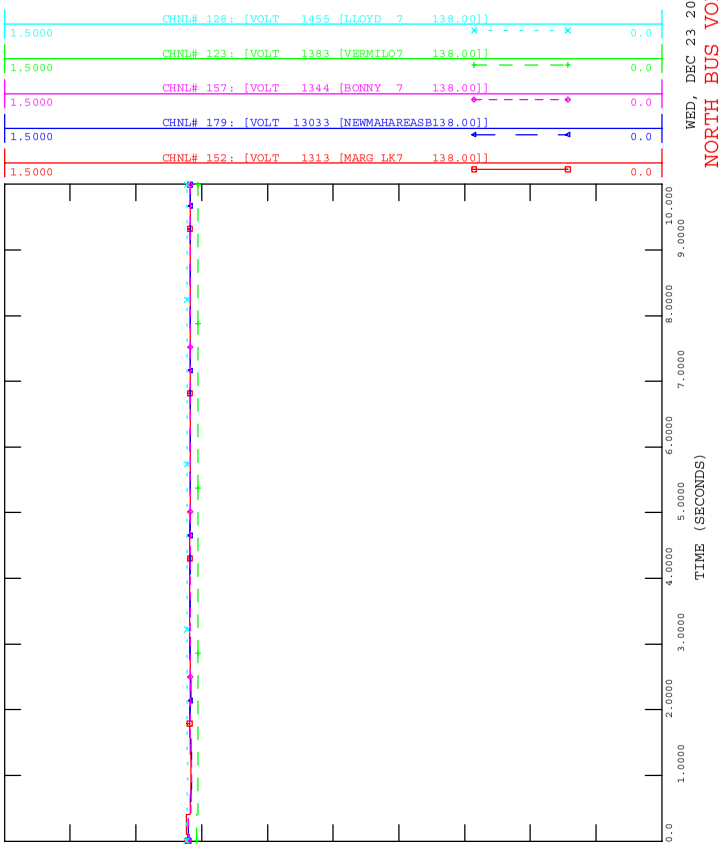


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

NORTH BUS VOLTAGES

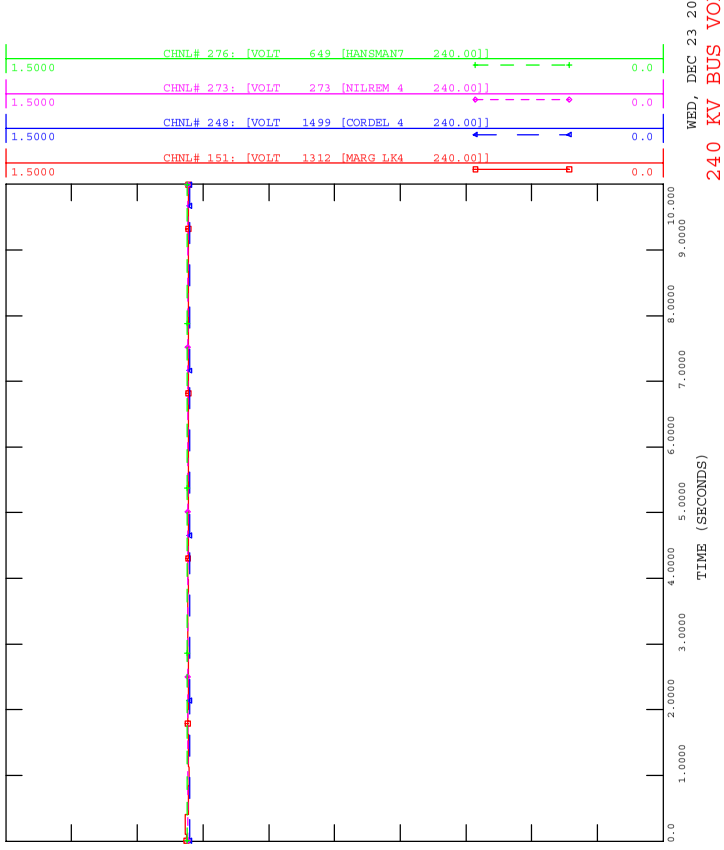


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

240 KV BUS VOLTAGES

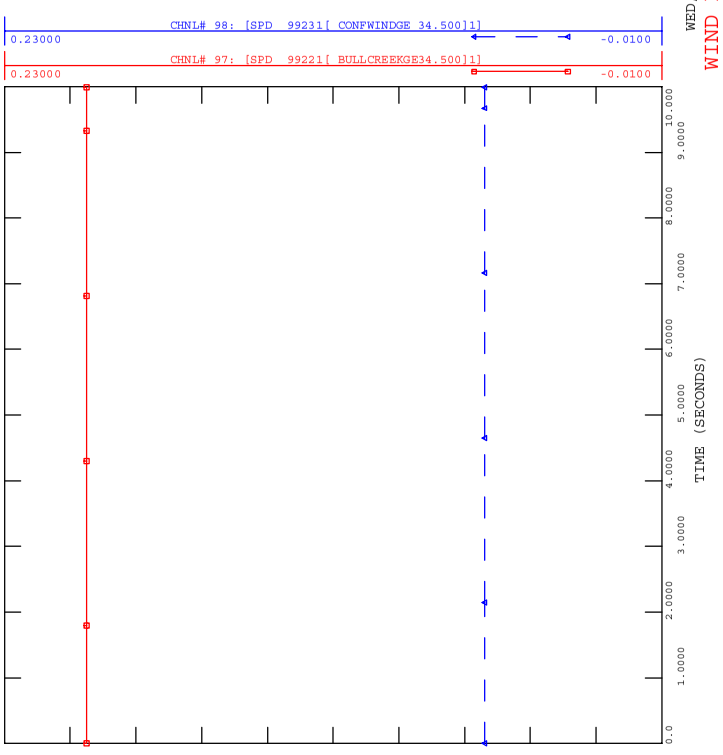


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE SPEED

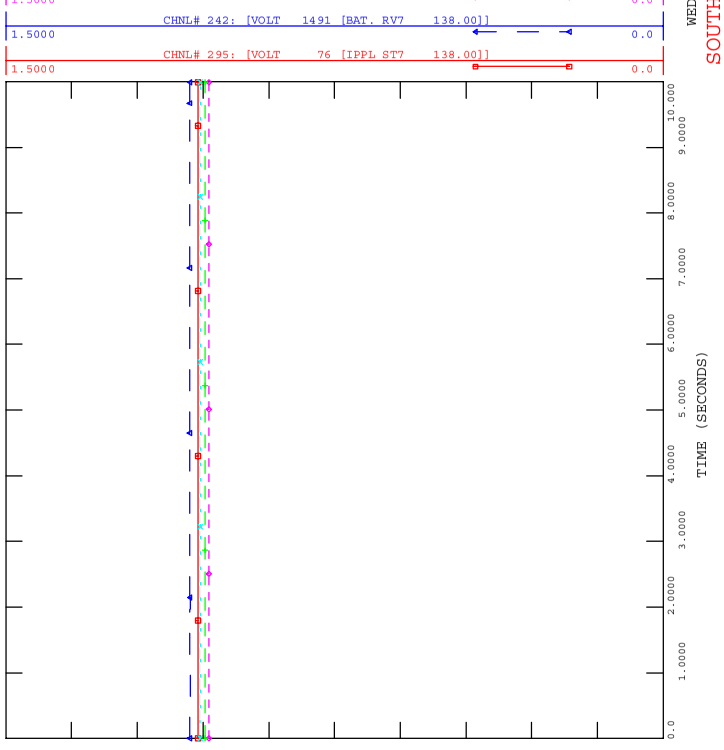


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

SOUTH BUS VOLTAGES

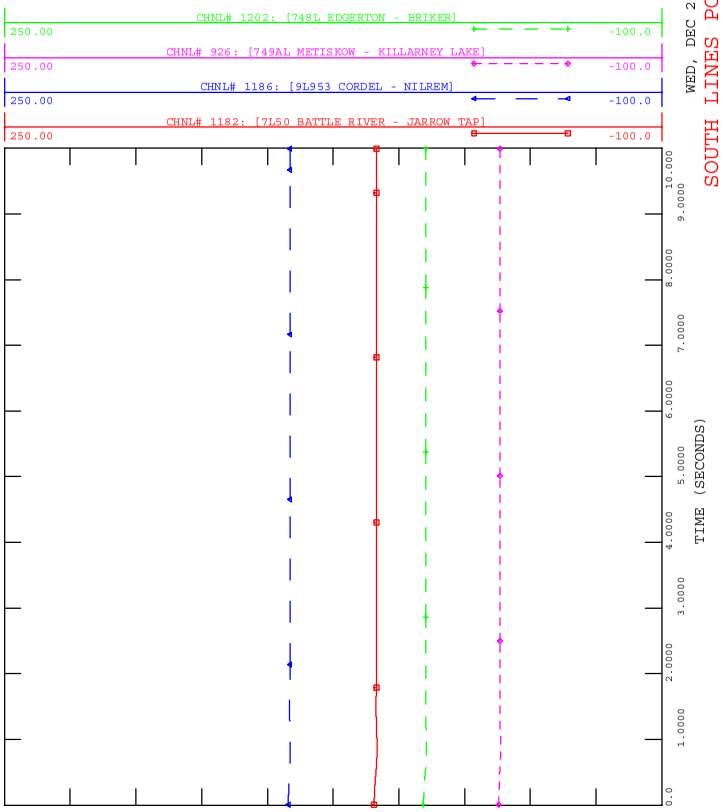


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

SOUTH LINES POWER FLOW

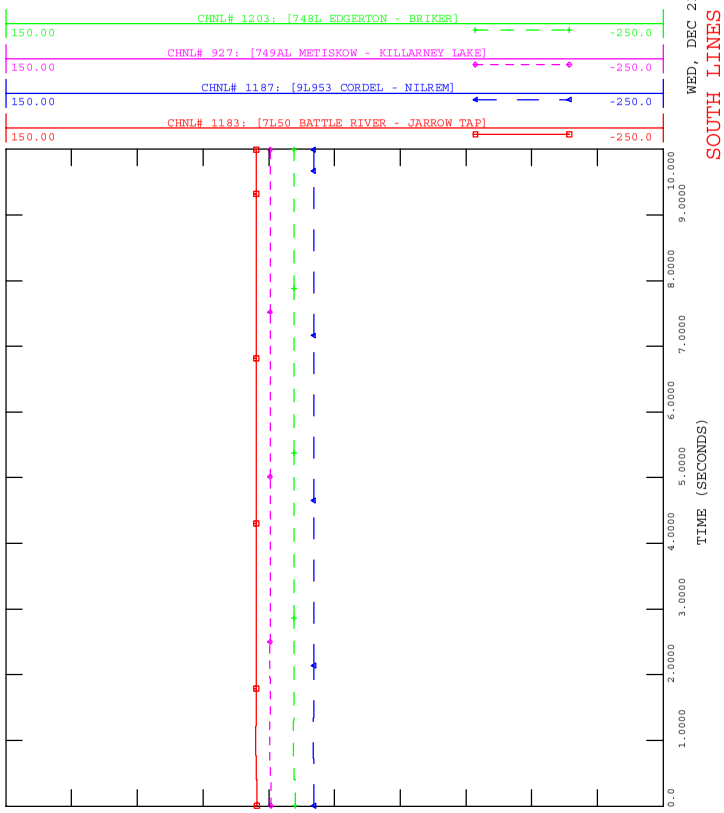


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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SOUTH LINES VAR FLOW

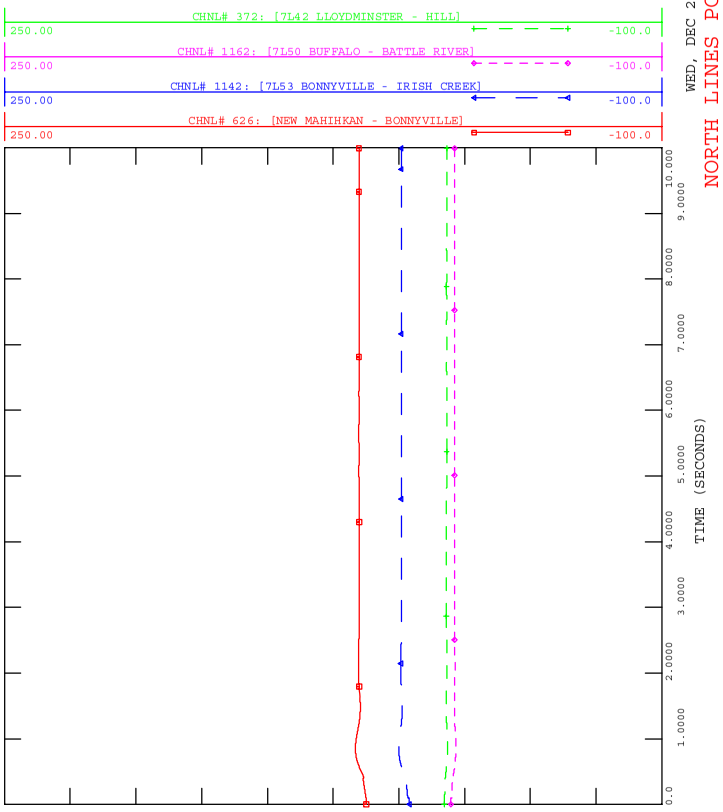


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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NORTH LINES POWER FLOW

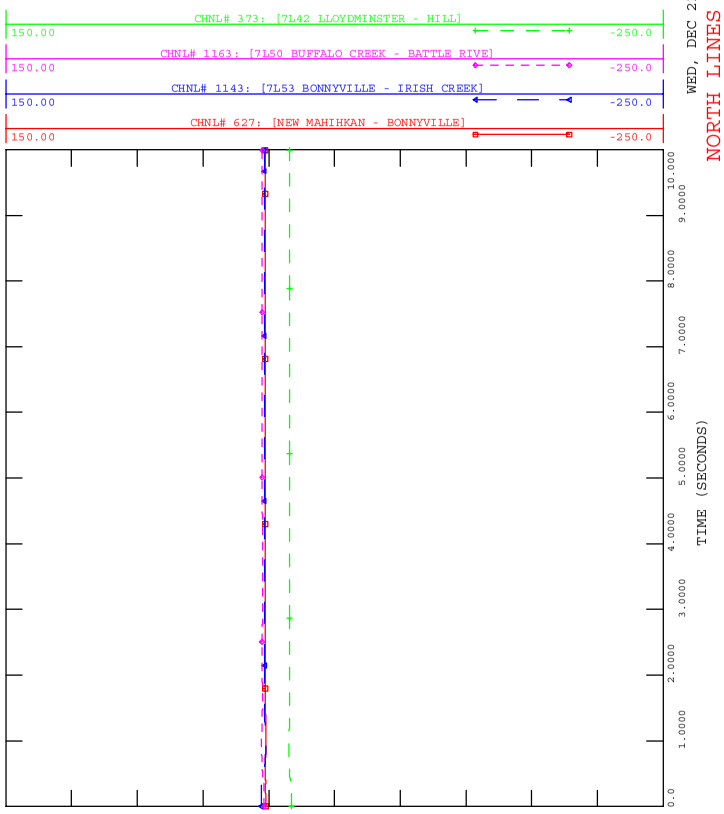


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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NORTH LINES VAR FLOW

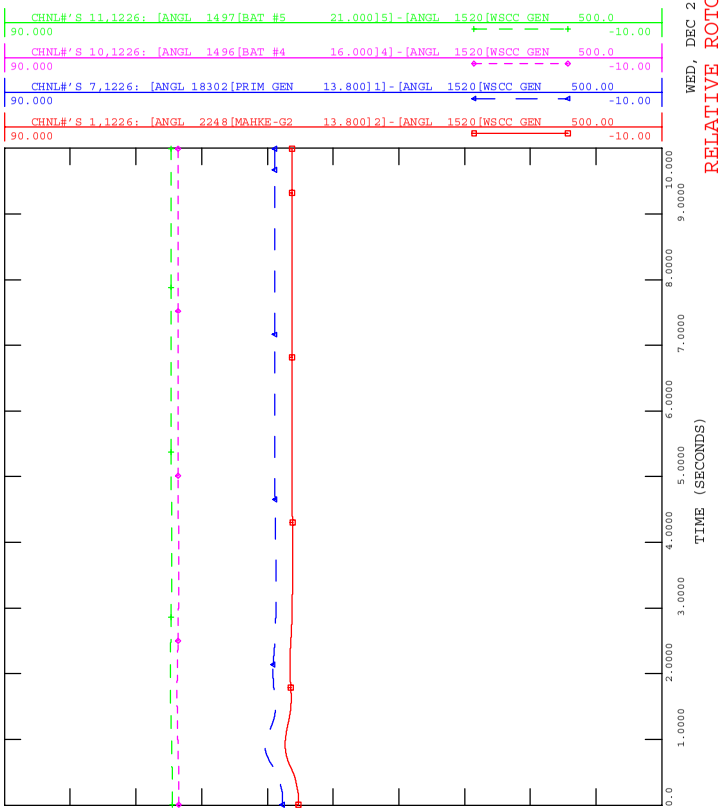


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

RELATIVE ROTOR ANGLES

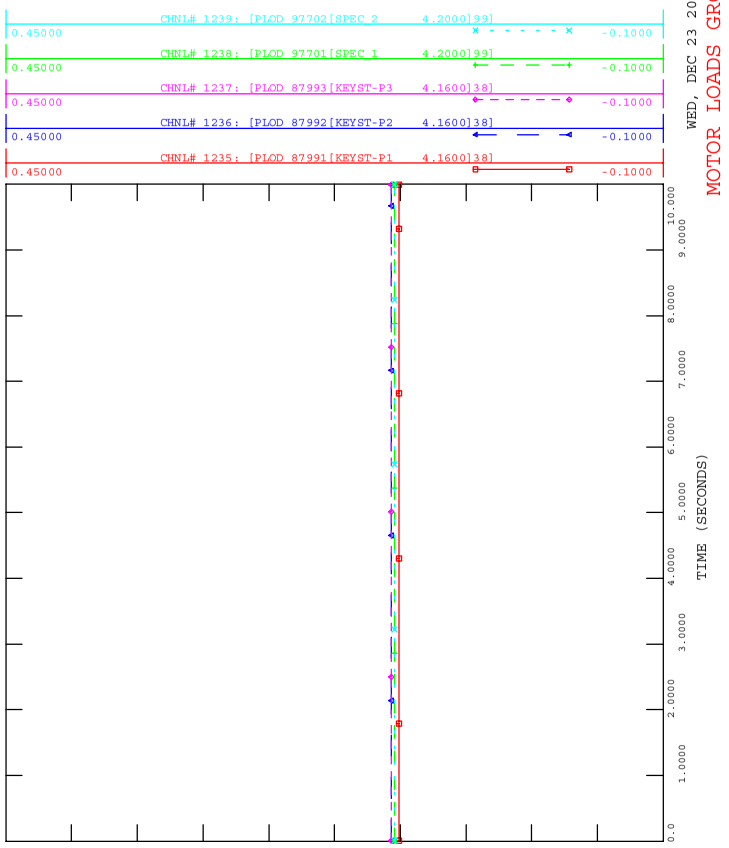


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

MOTOR LOADS GROUP II

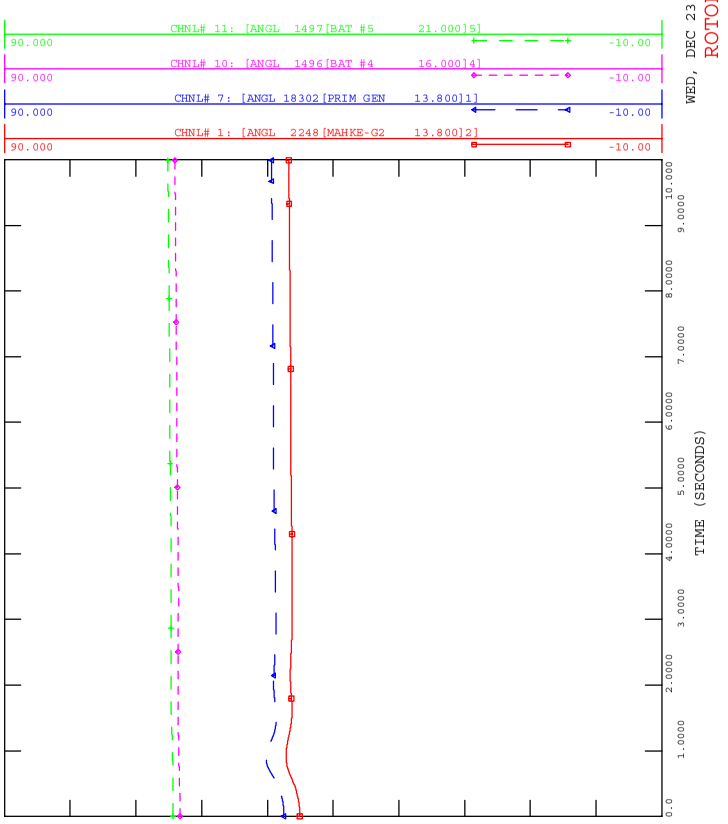


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

WED, DEC 23 2009 14:08

ROTOR ANGLES

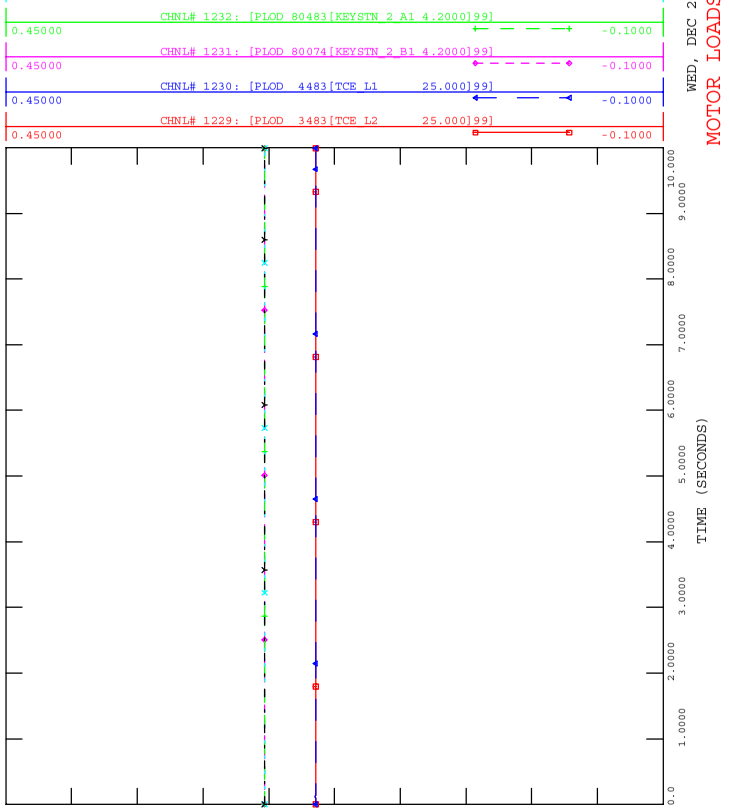


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-5Fault.out

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MOTOR LOADS GROUP I

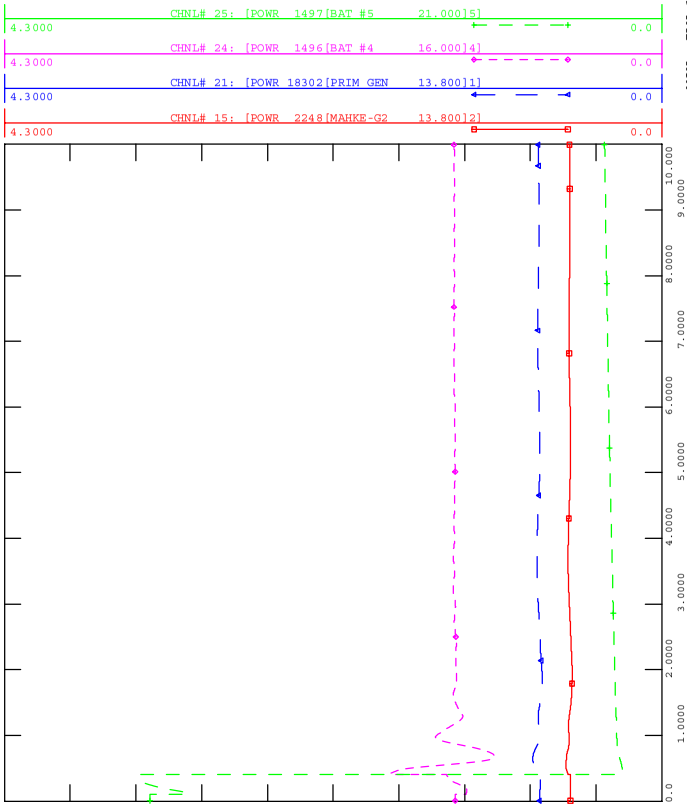


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

MACHINE POWER

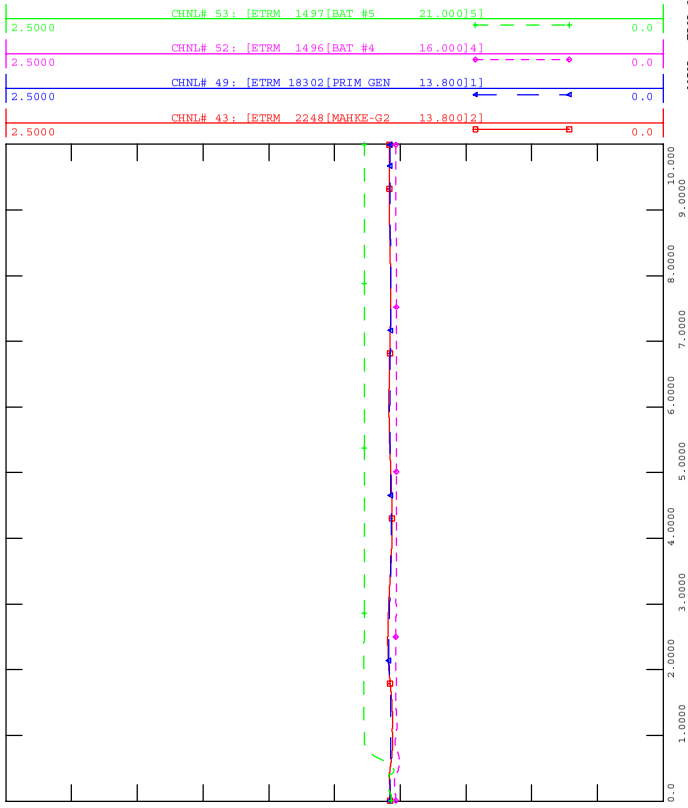


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

MACHINE TERMINAL VOLTAGE

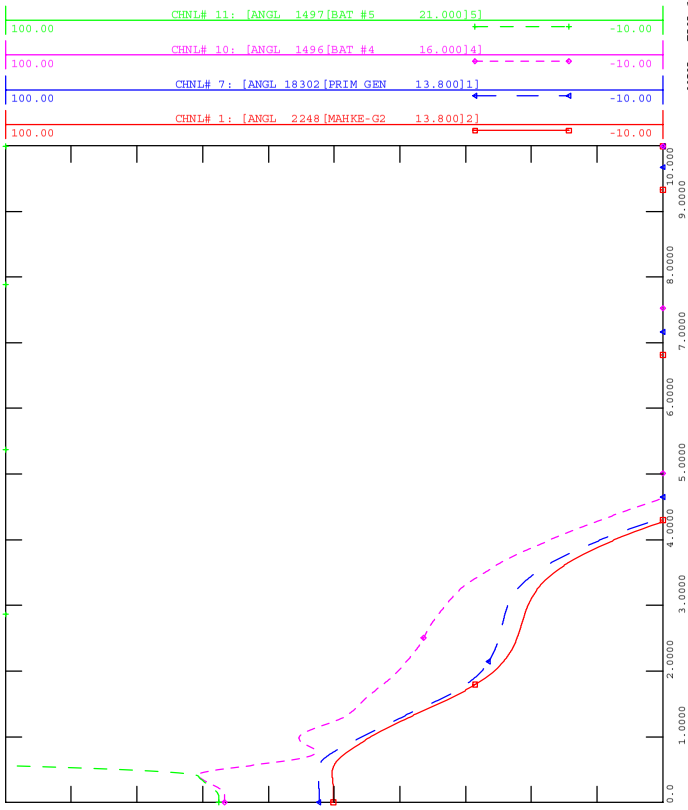


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

ROTOR ANGLES

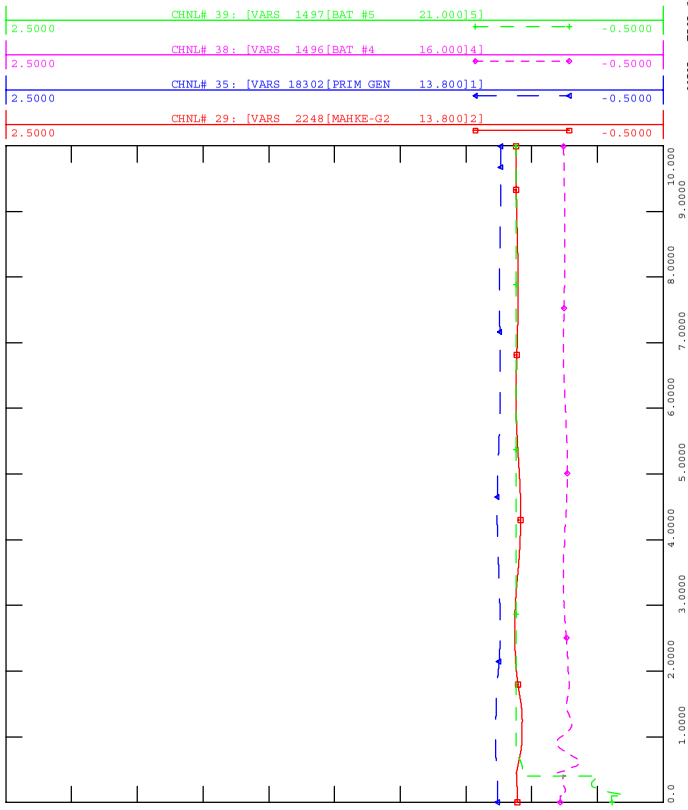


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

MACHINE VARS

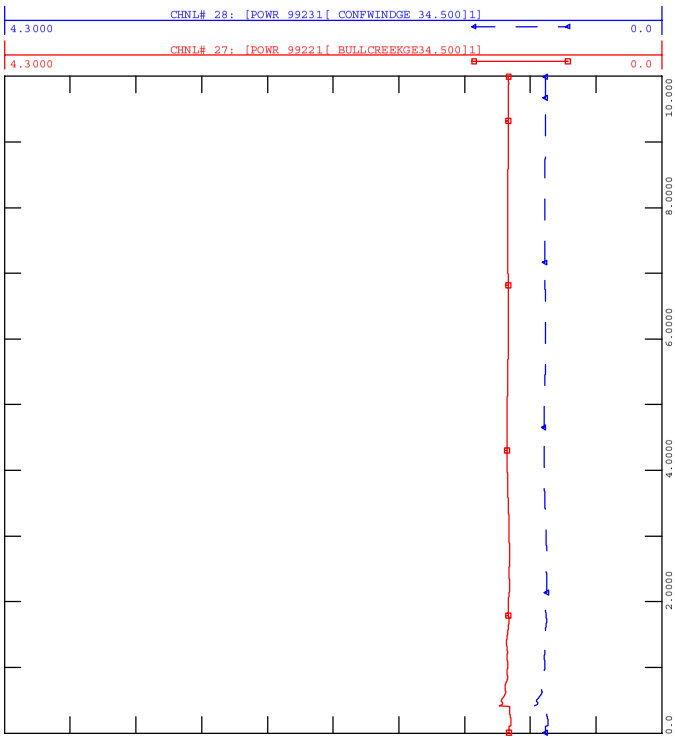


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

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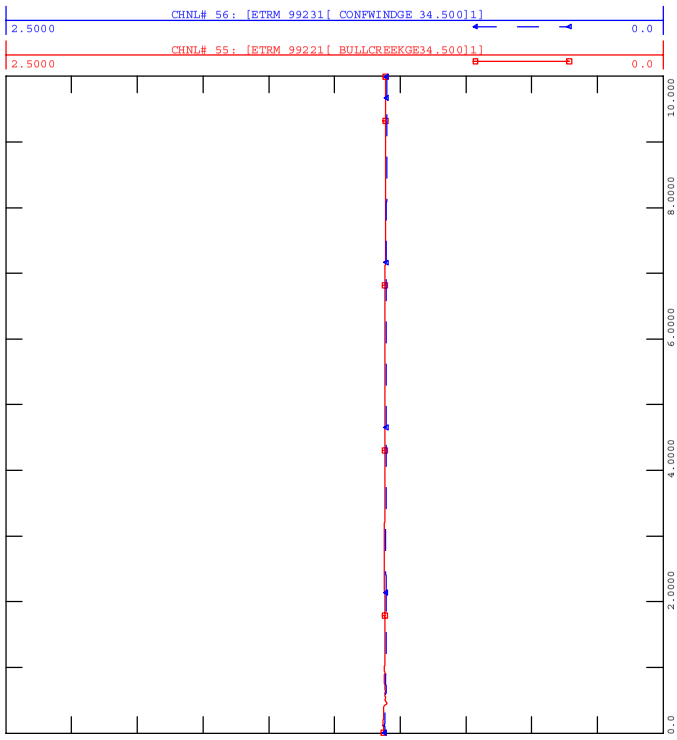


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

WIND MACH. TERMINAL VOLTS

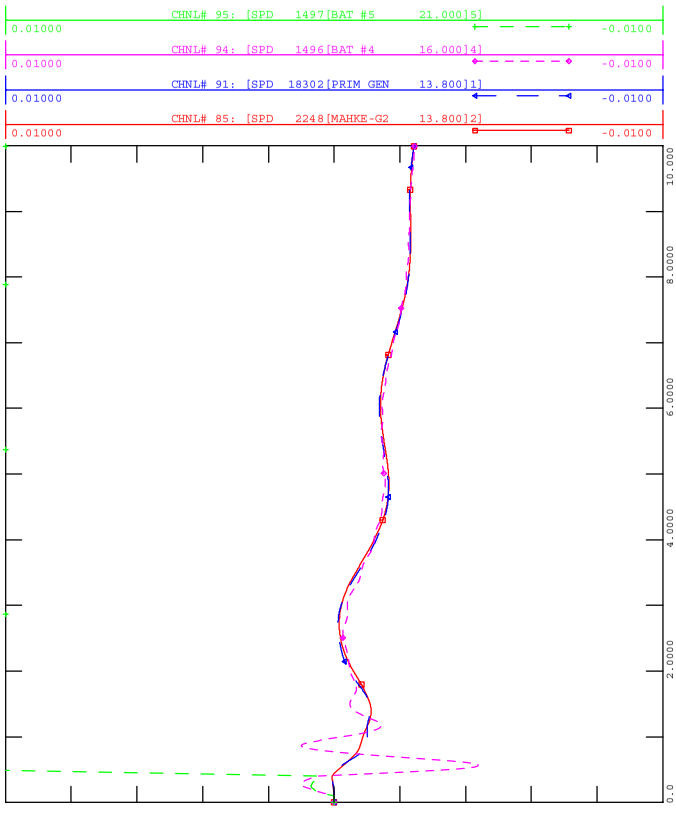


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

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MACHINE SPEED

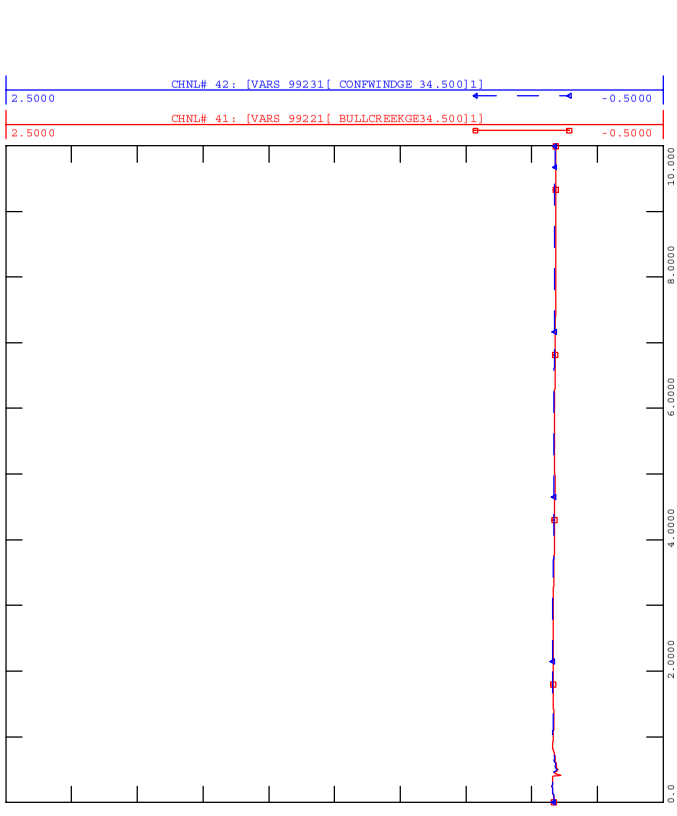


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

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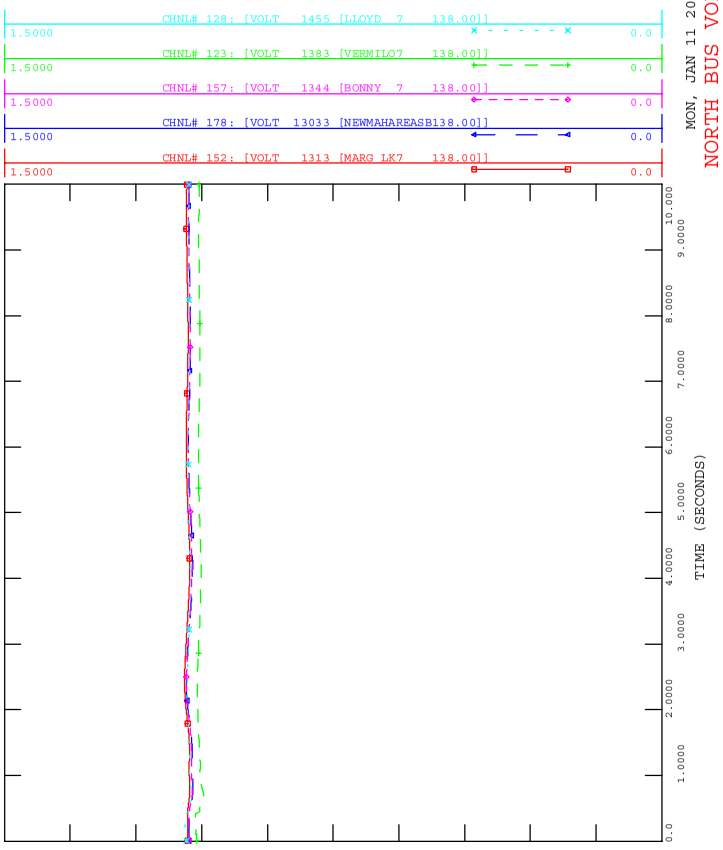


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

NORTH BUS VOLTAGES

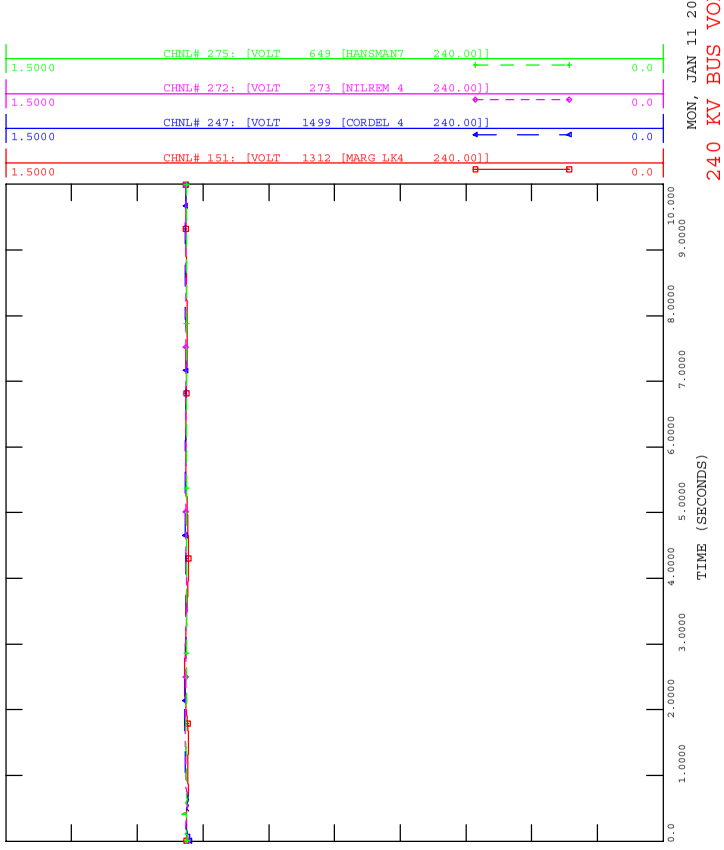


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

240 KV BUS VOLTAGES

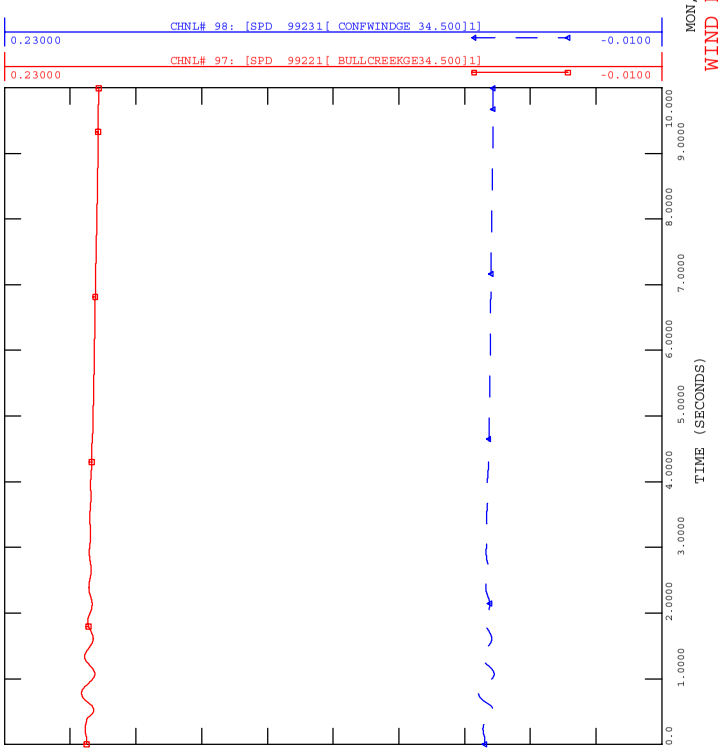


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

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WIND MACHINE SPEED

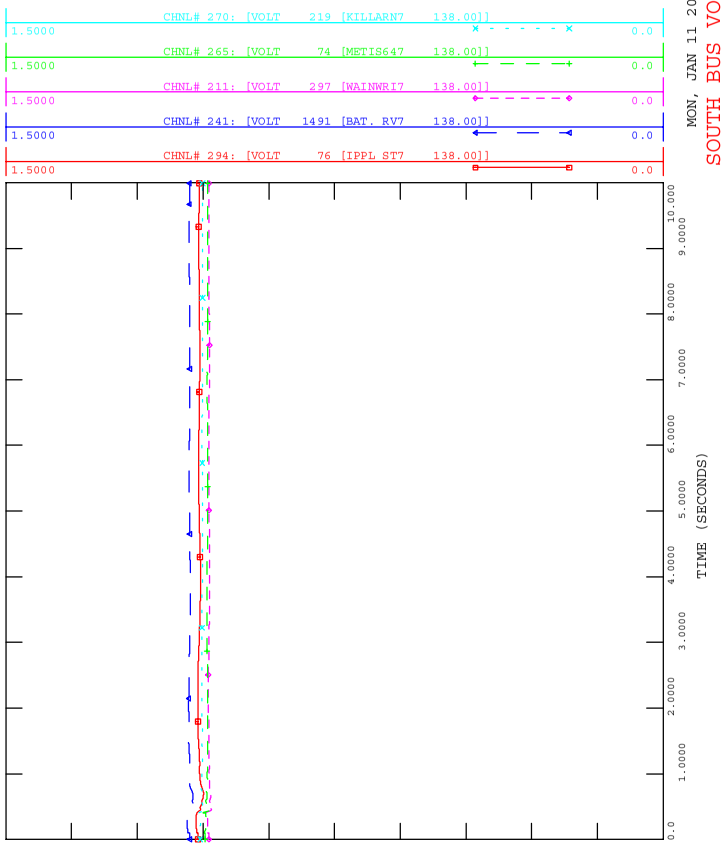


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

SOUTH BUS VOLTAGES

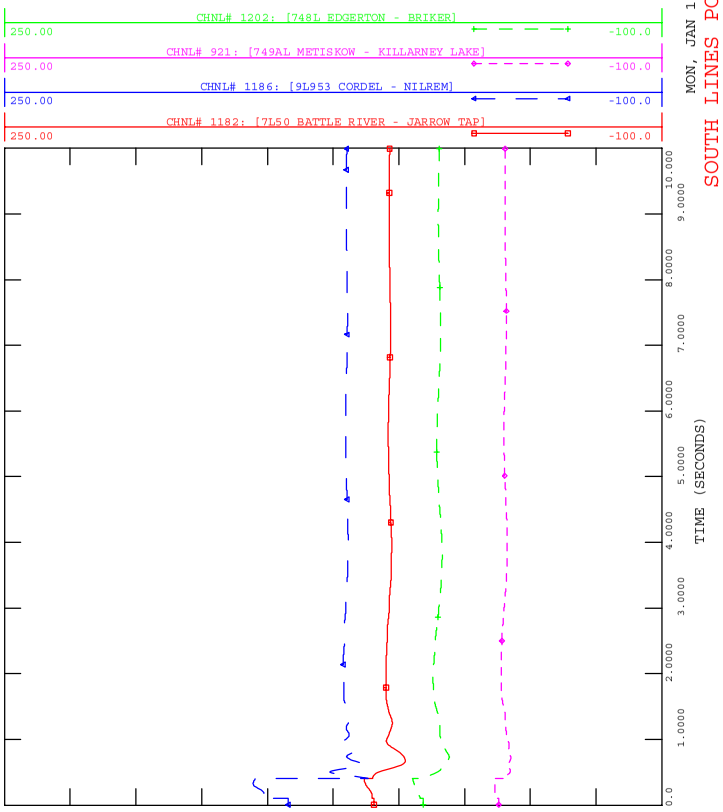


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

SOUTH LINES POWER FLOW

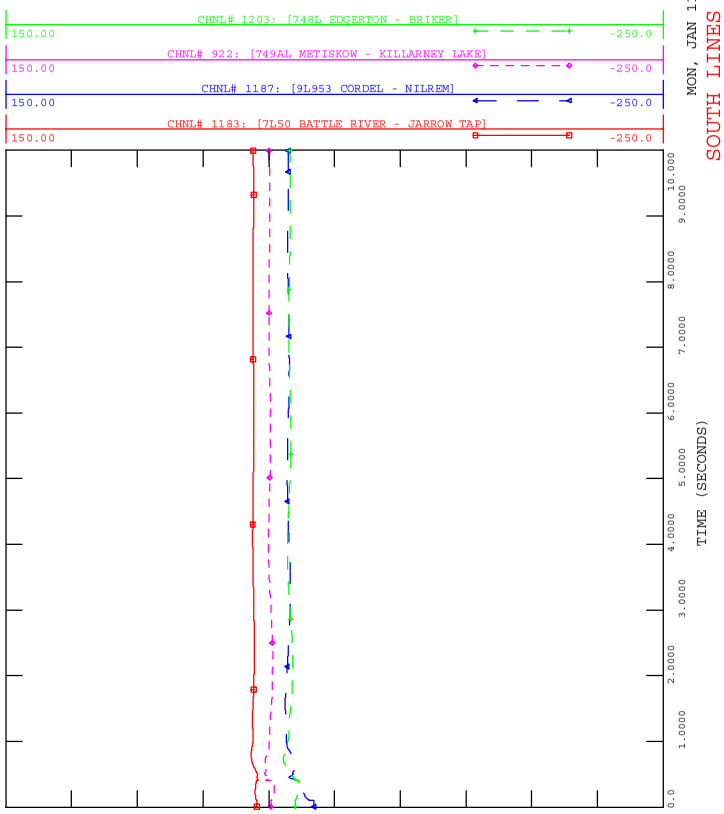


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

SOUTH LINES VAR FLOW

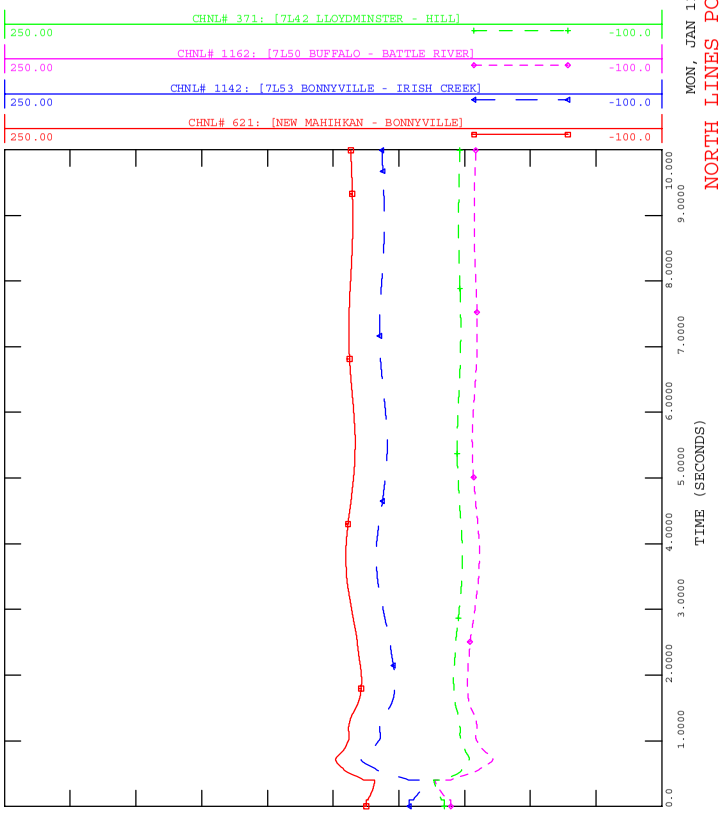


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

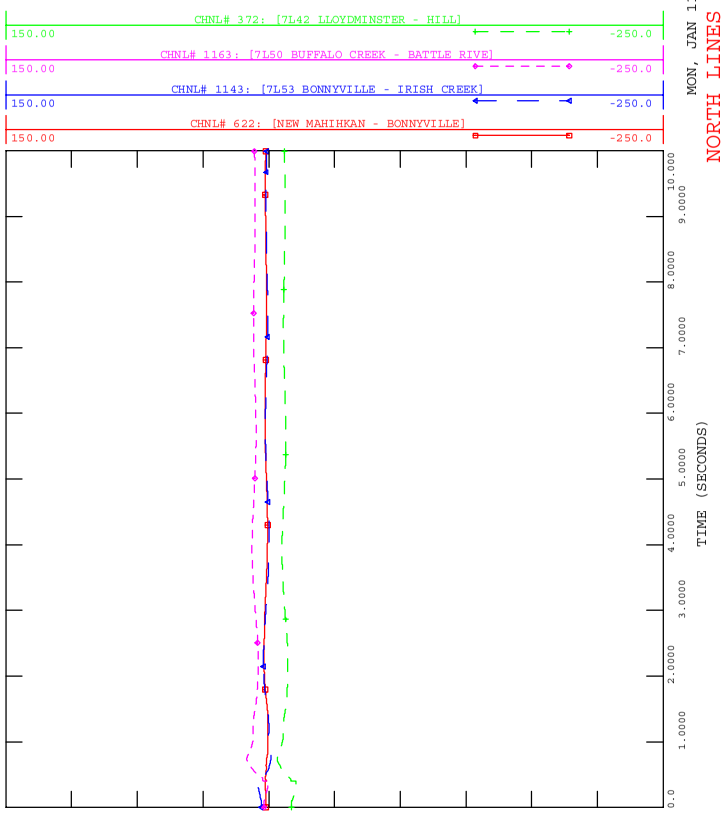


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

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NORTH LINES VAR FLOW

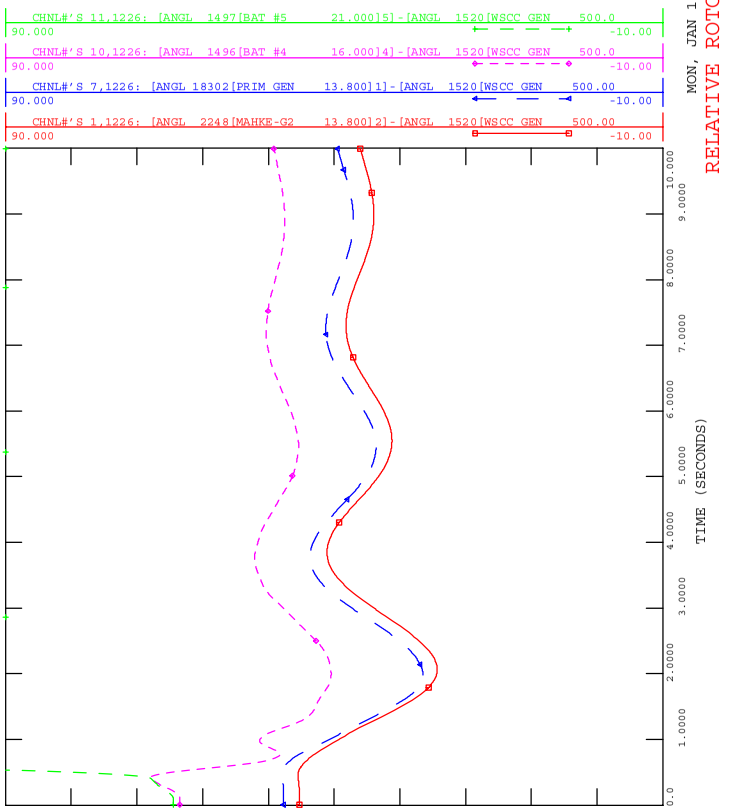


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

RELATIVE ROTOR ANGLES

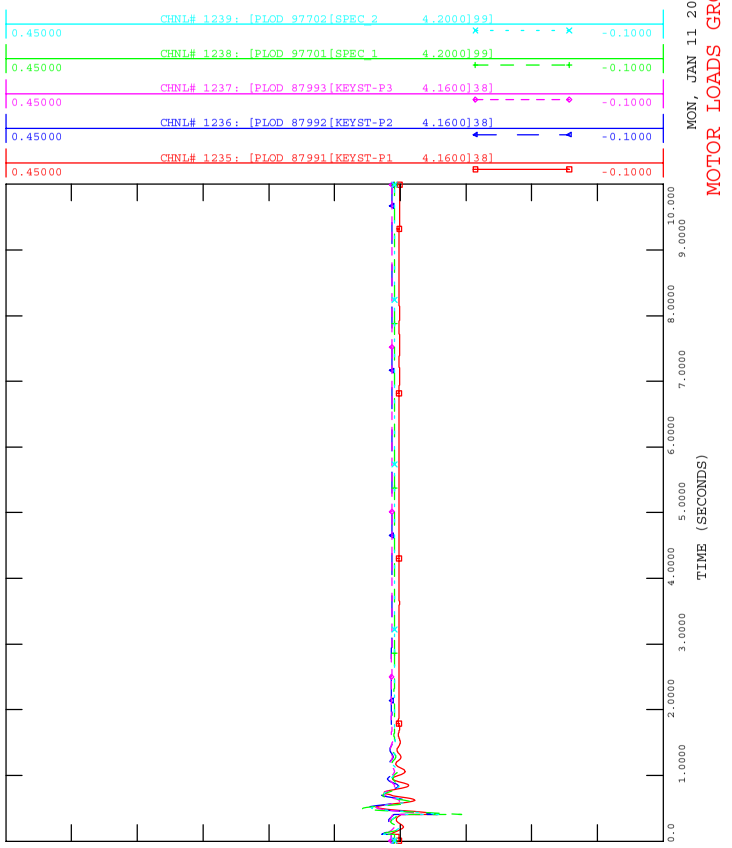


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

MON, JAN 11 2010 8:56

MOTOR LOADS GROUP II

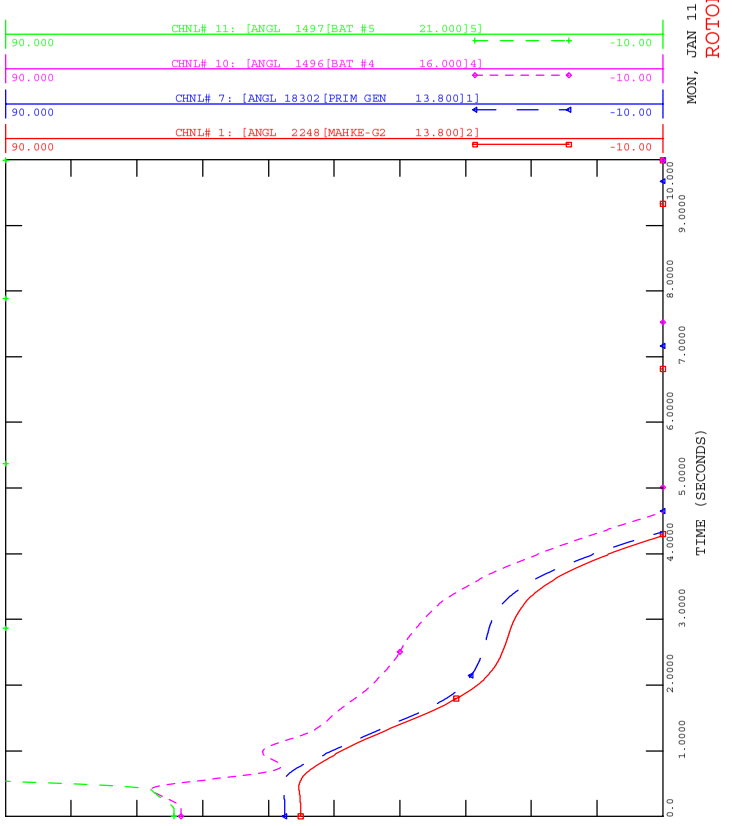


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

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ROTOR ANGLES

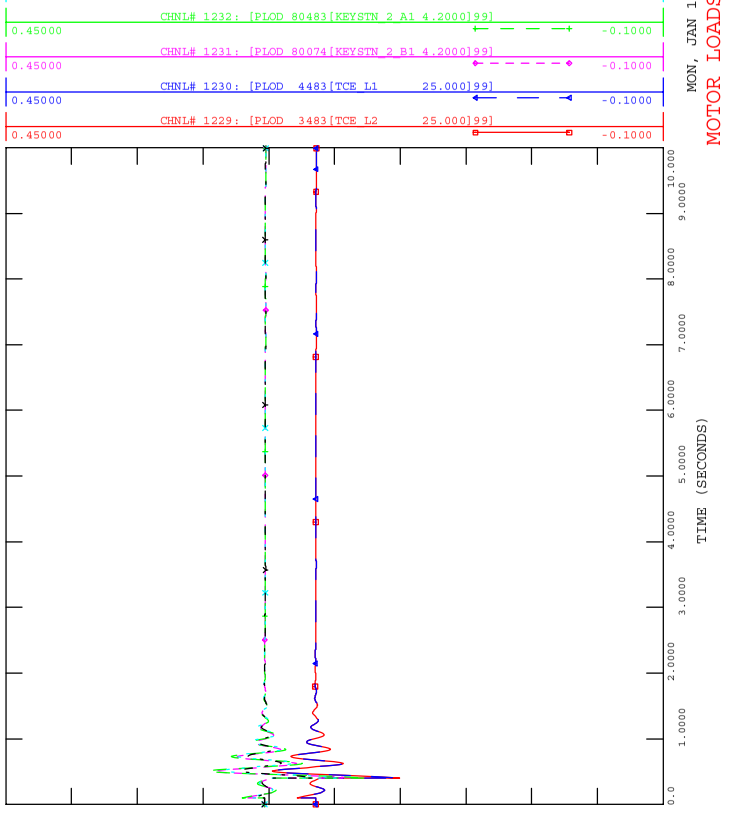


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-6Fault.out

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MOTOR LOADS GROUP I

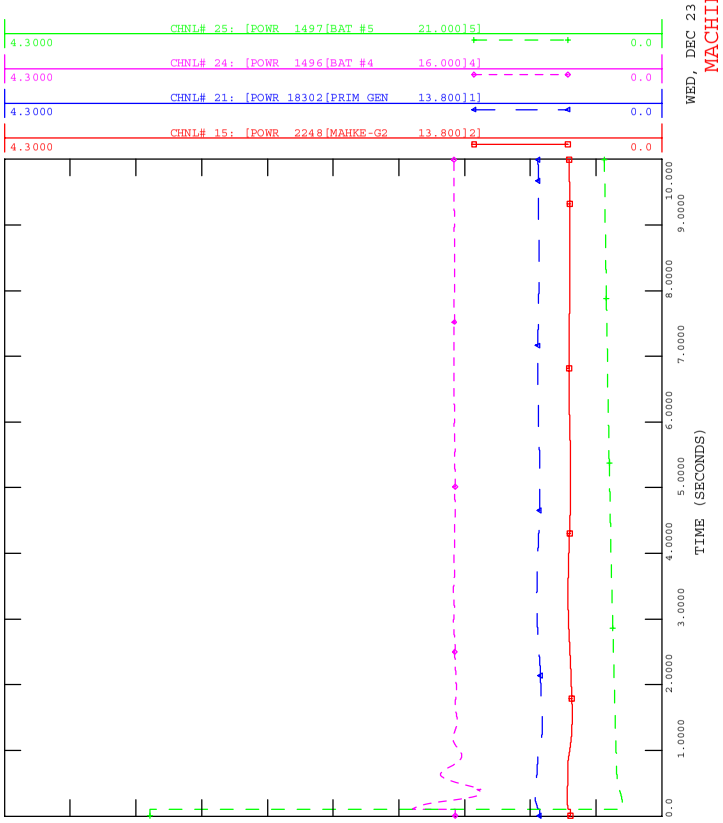


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out

WED, DEC 23 2009 15:21

MACHINE POWER

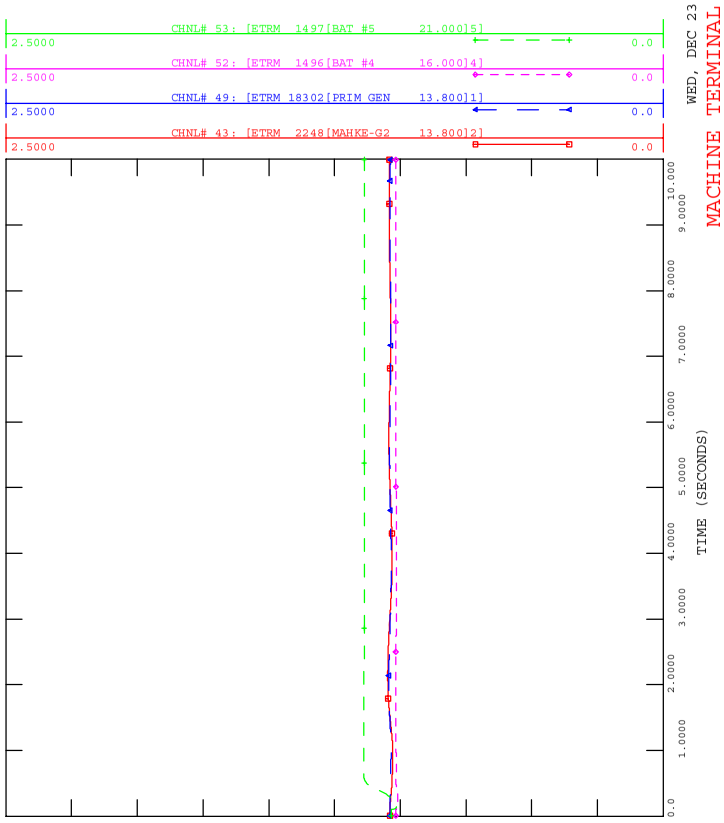


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 15:21

MACHINE TERMINAL VOLTAGE

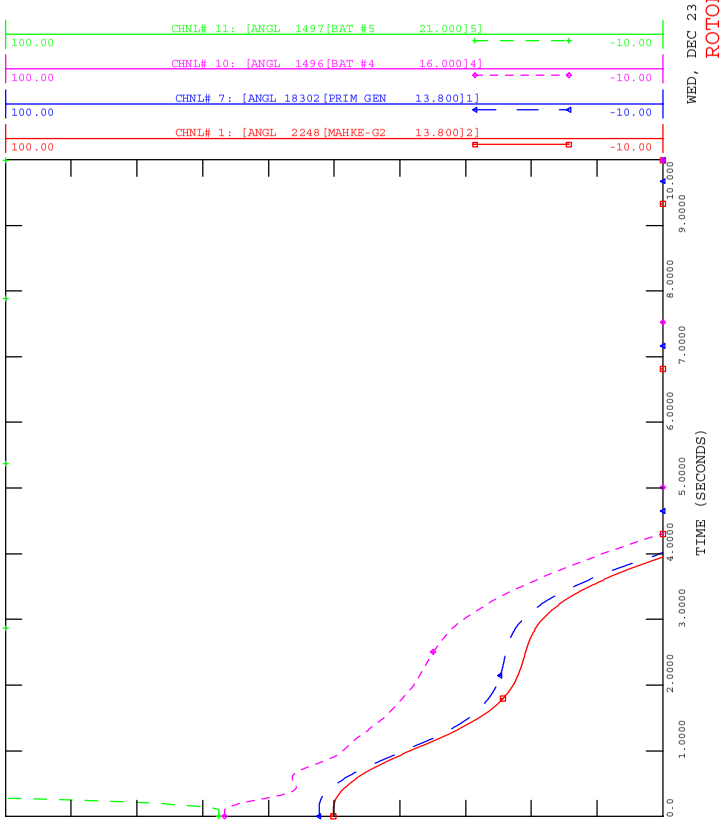


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

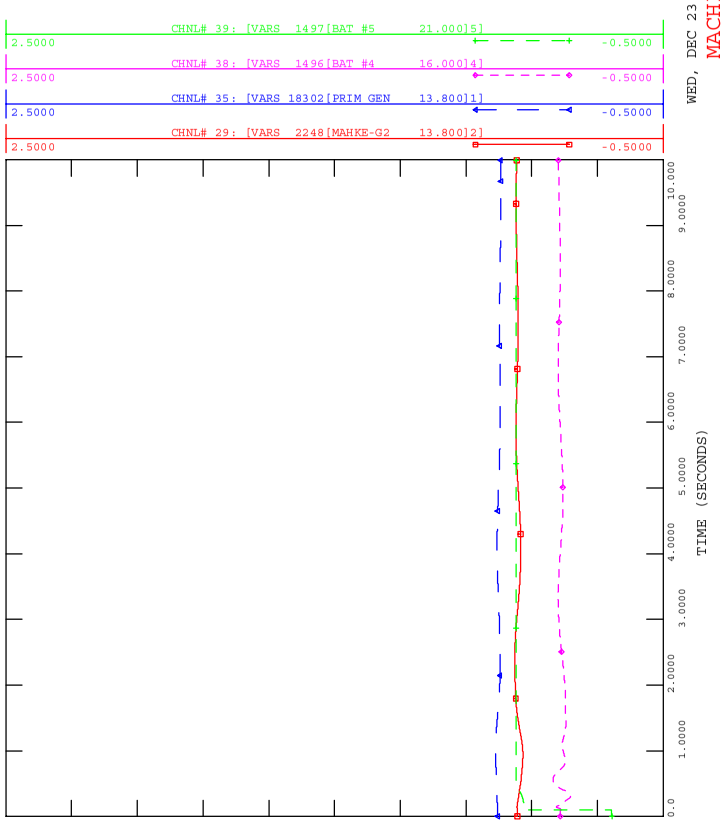


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

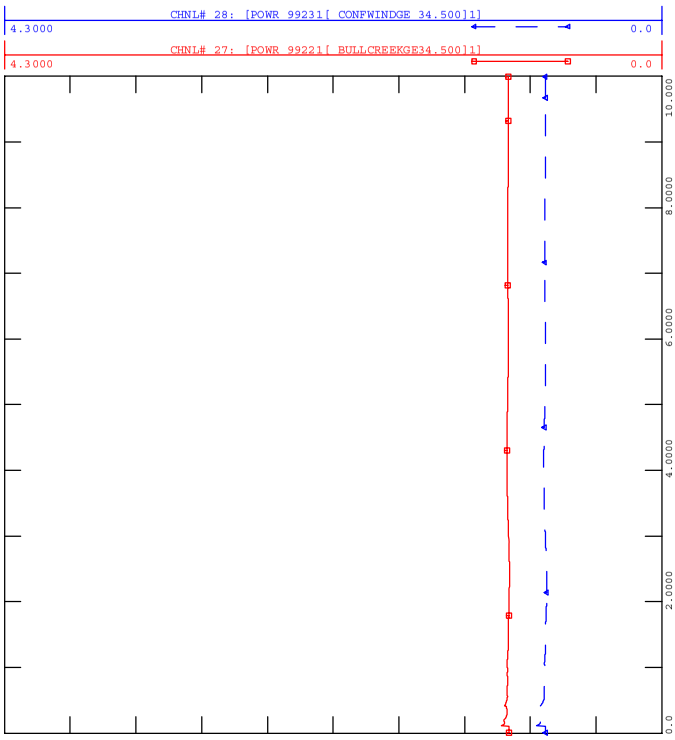


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

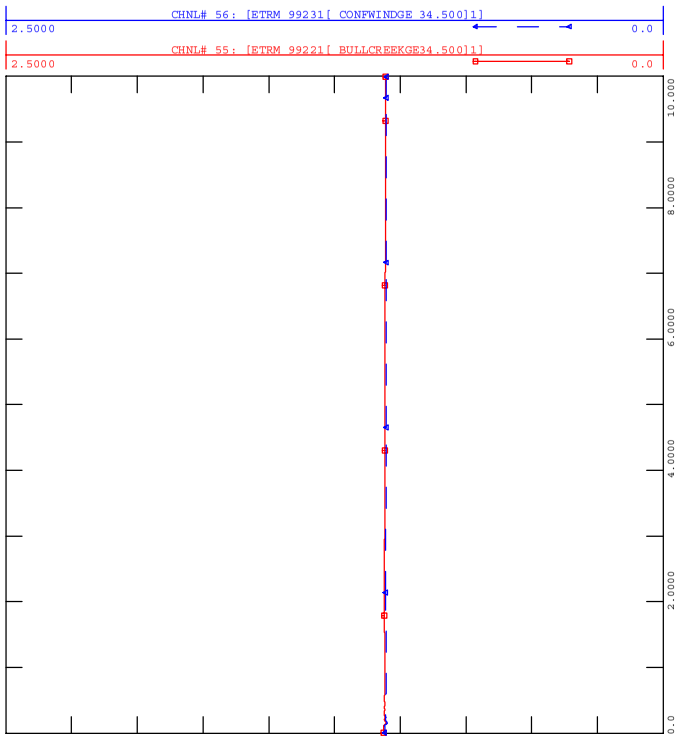


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out

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WIND MACH. TERMINAL VOLTS

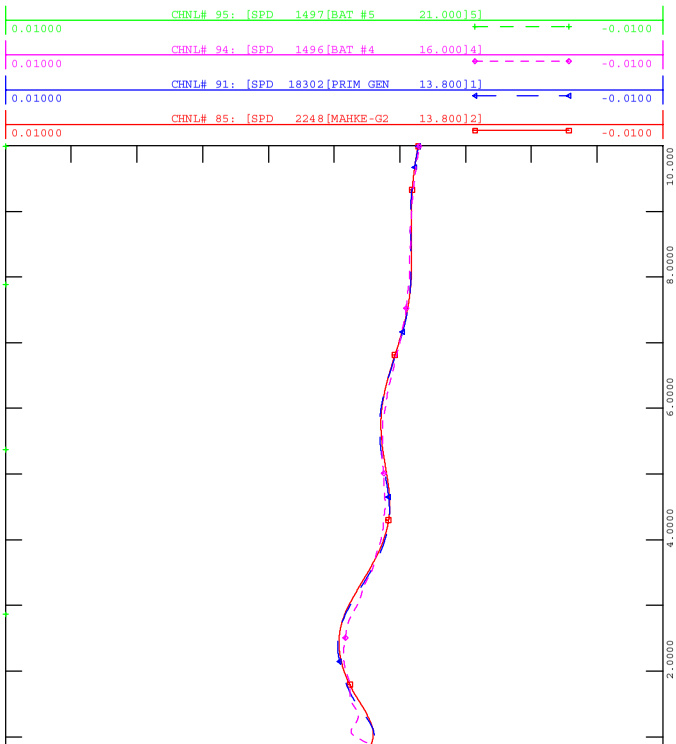


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

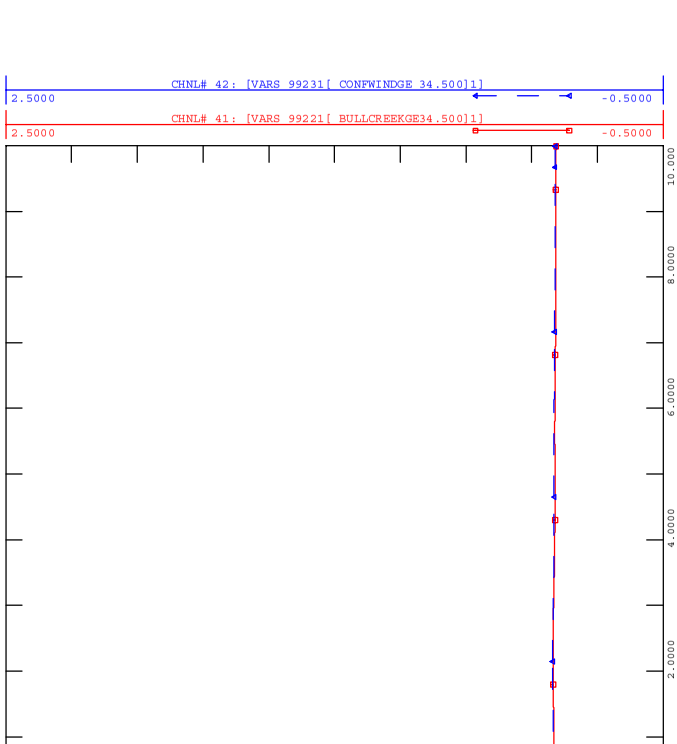


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

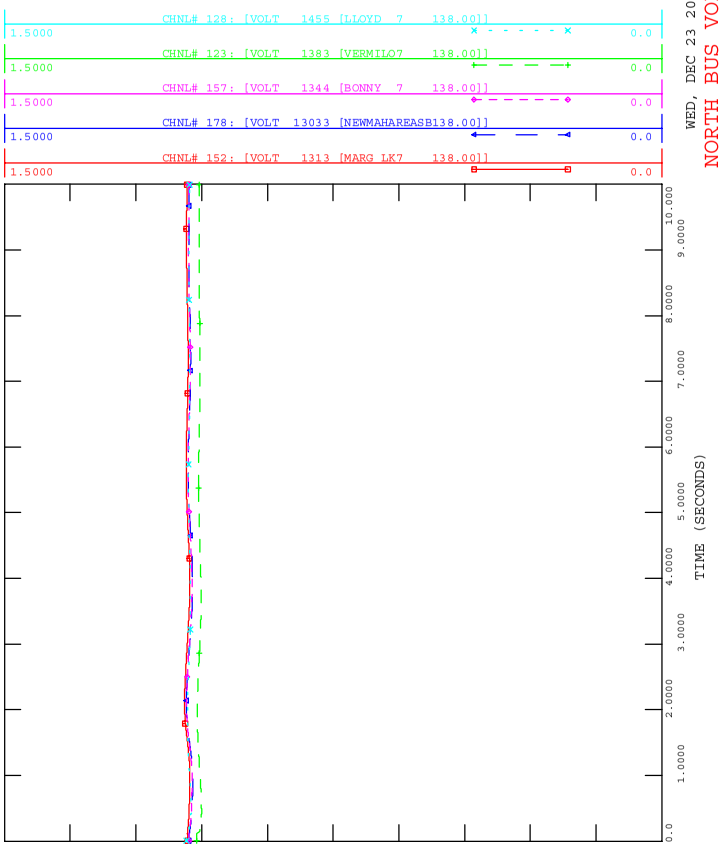


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out

WED, DEC 23 2009 15:21

NORTH BUS VOLTAGES

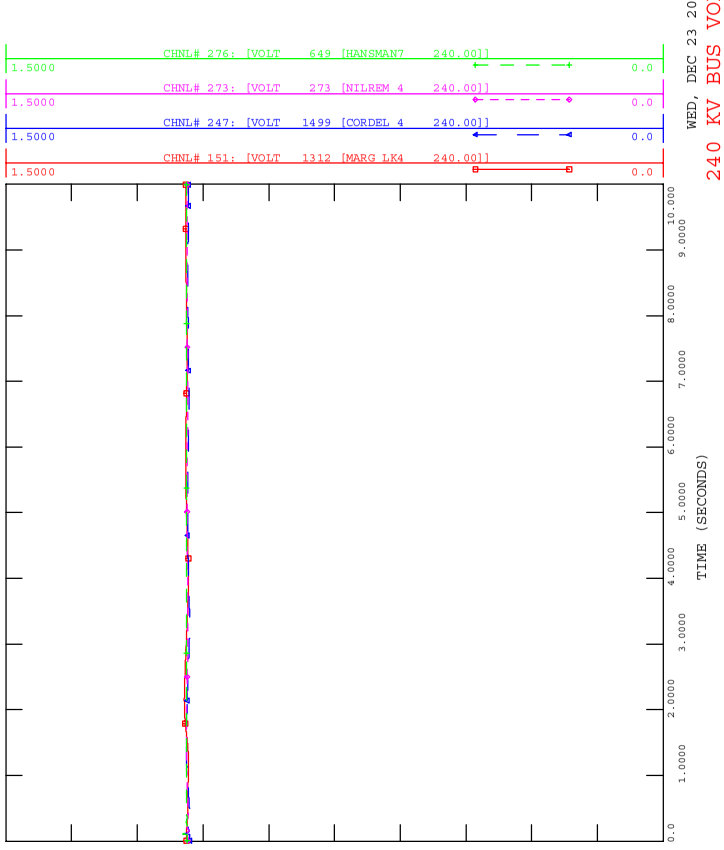


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out

WED, DEC 23 2009 15:21

240 KV BUS VOLTAGES

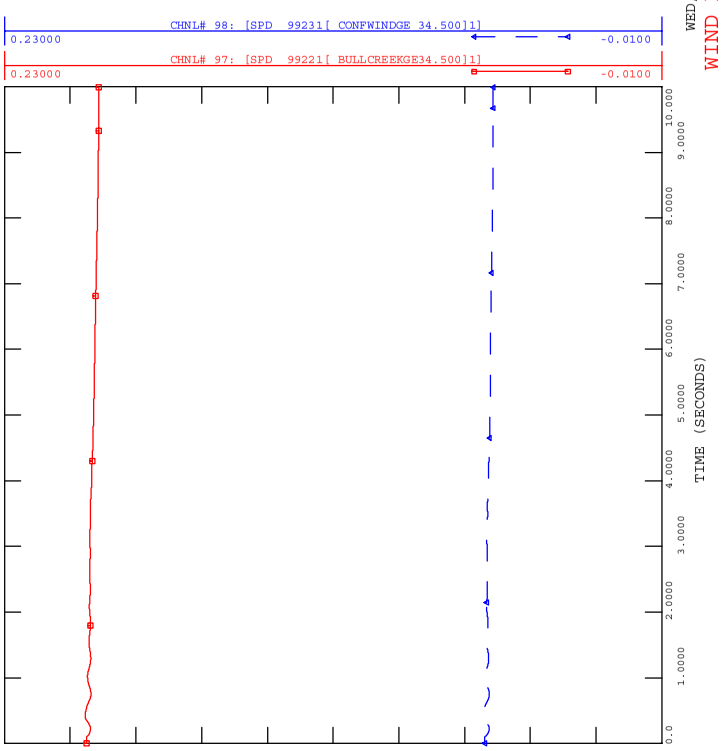


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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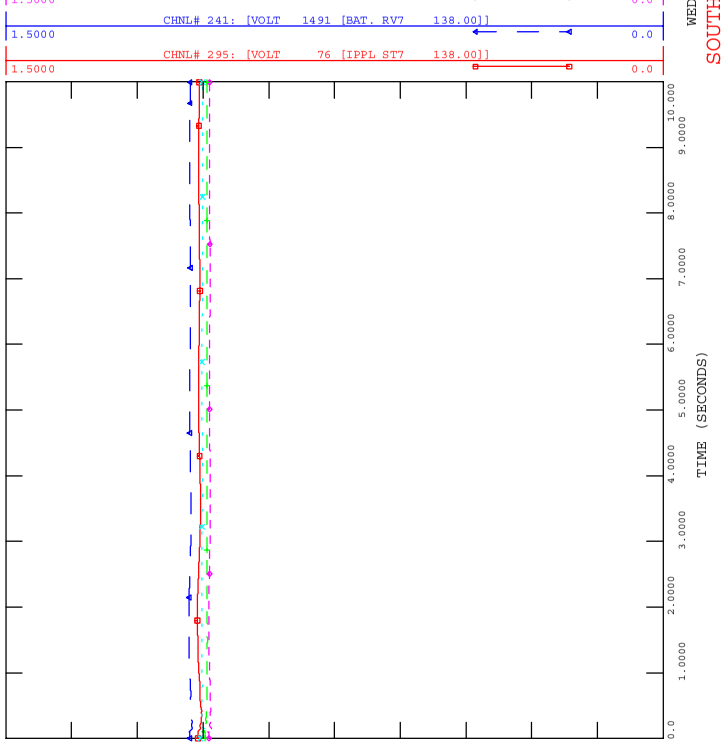


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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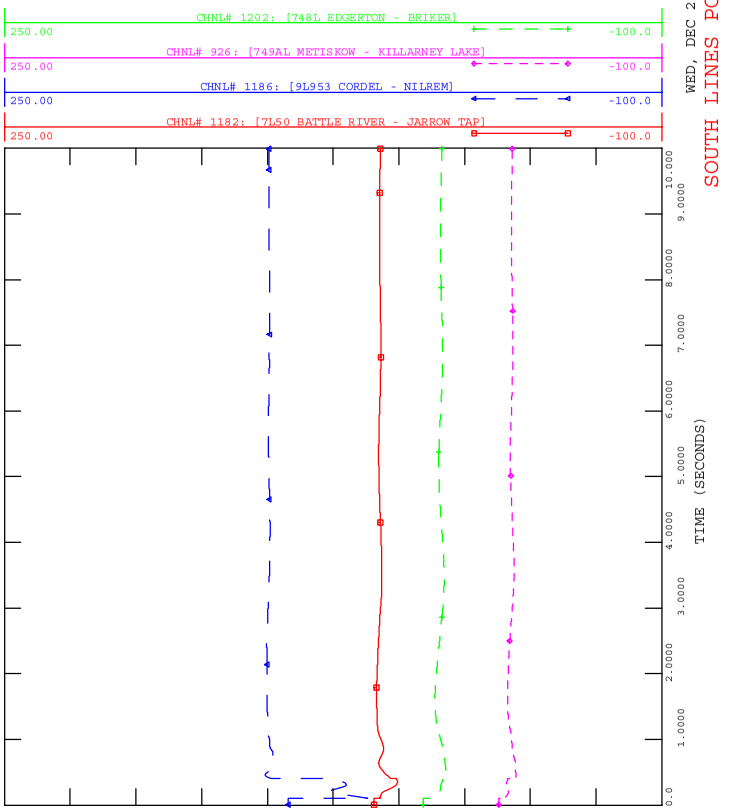
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SOUTH BUS VOLTAGES



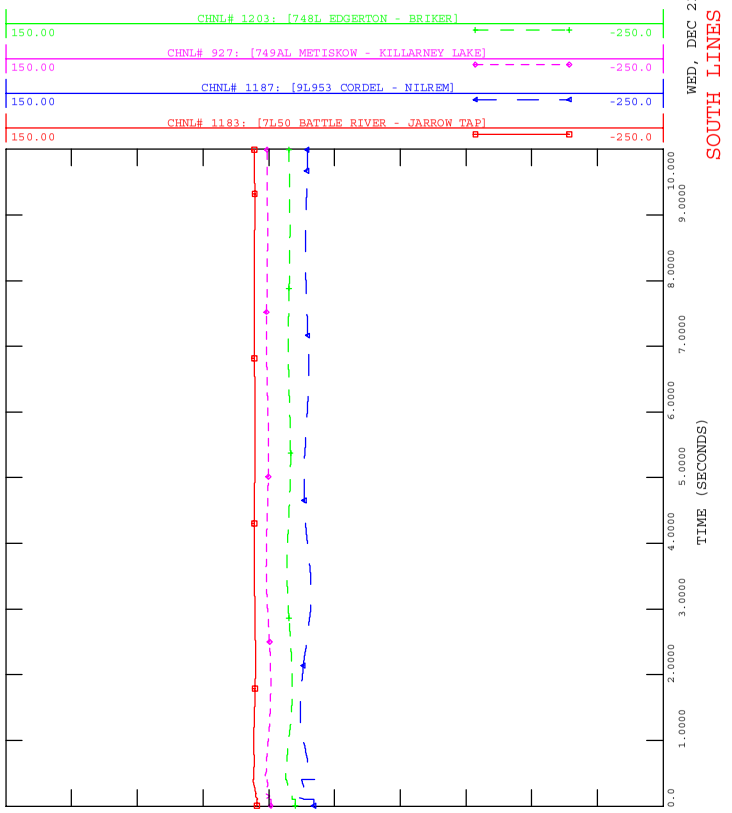
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out



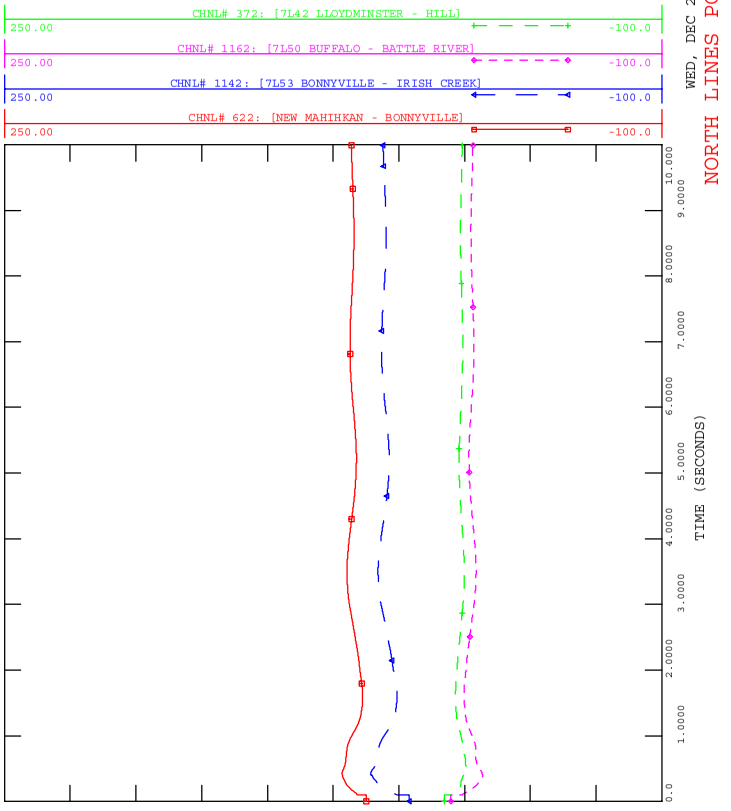
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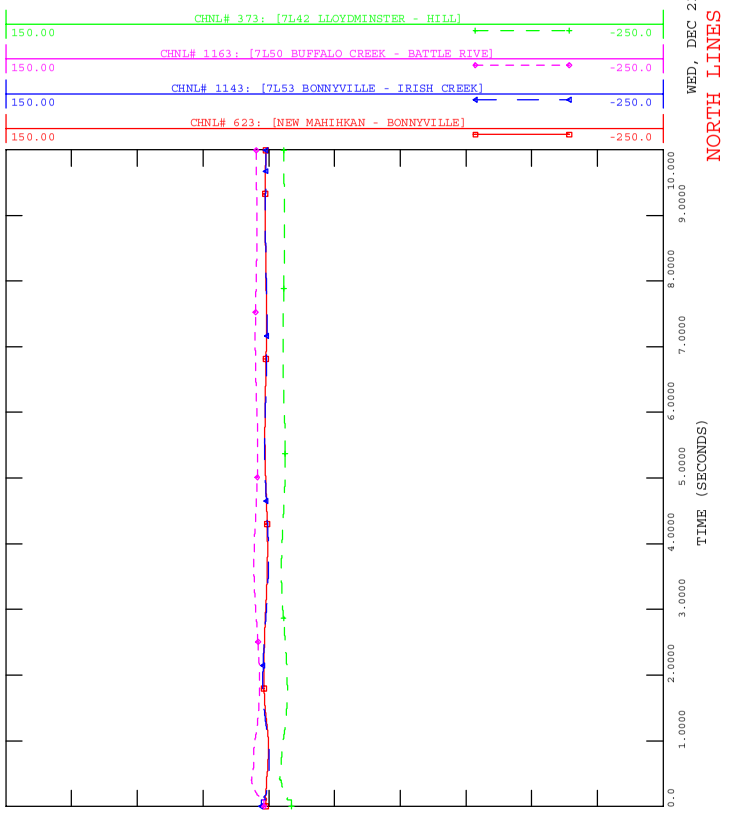
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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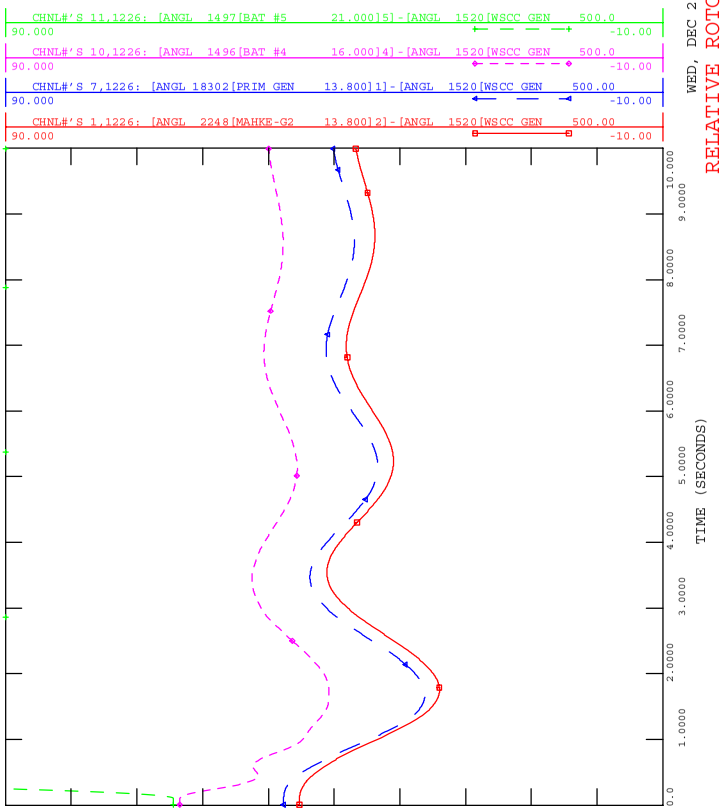


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

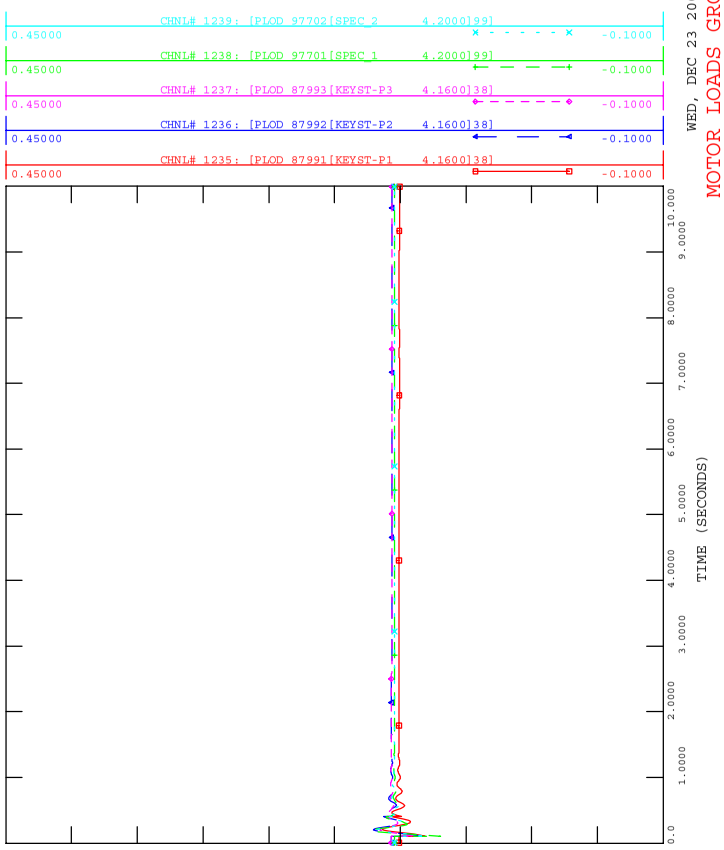


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out

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MOTOR LOADS GROUP II

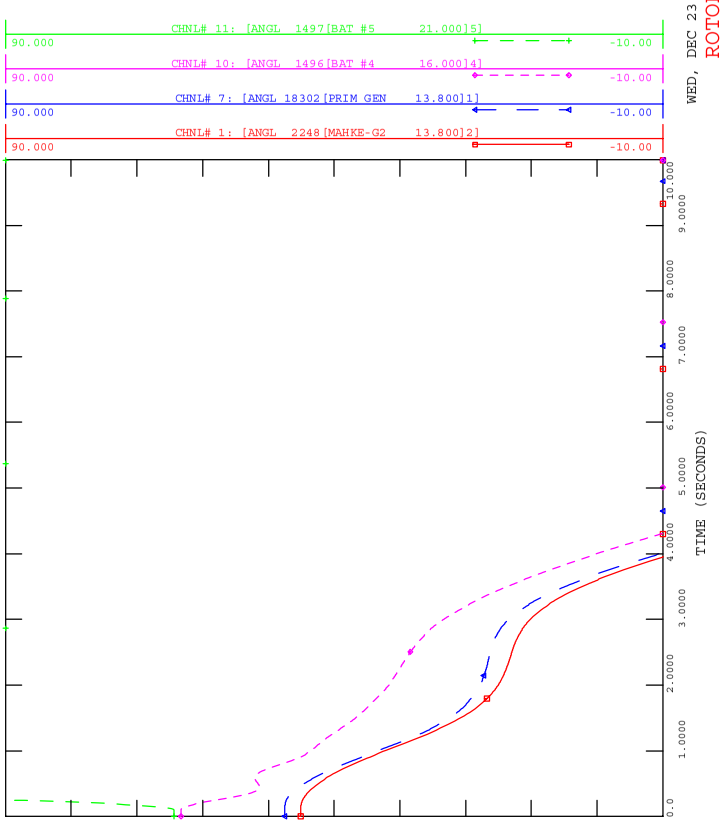


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

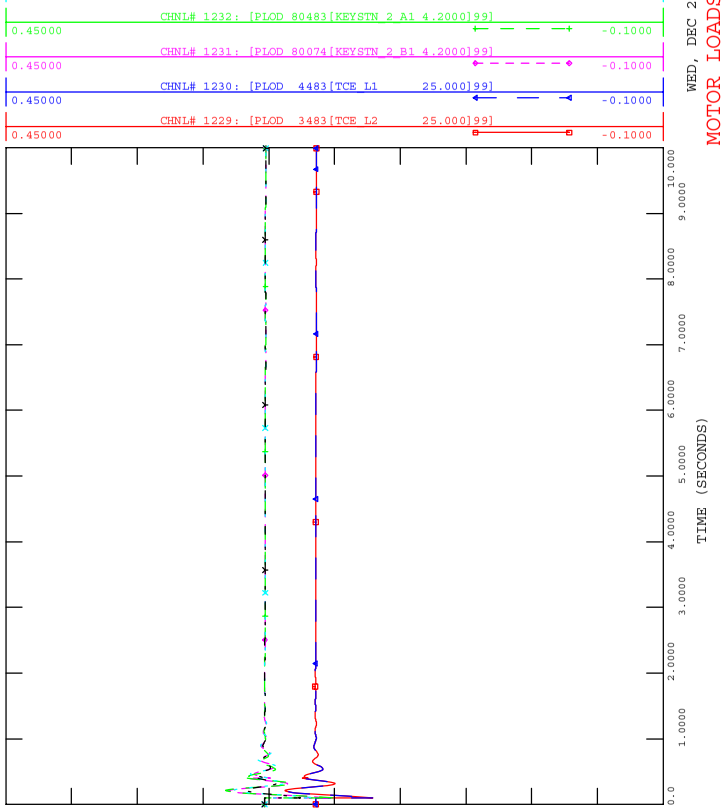


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-7Fault.out

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MOTOR LOADS GROUP I

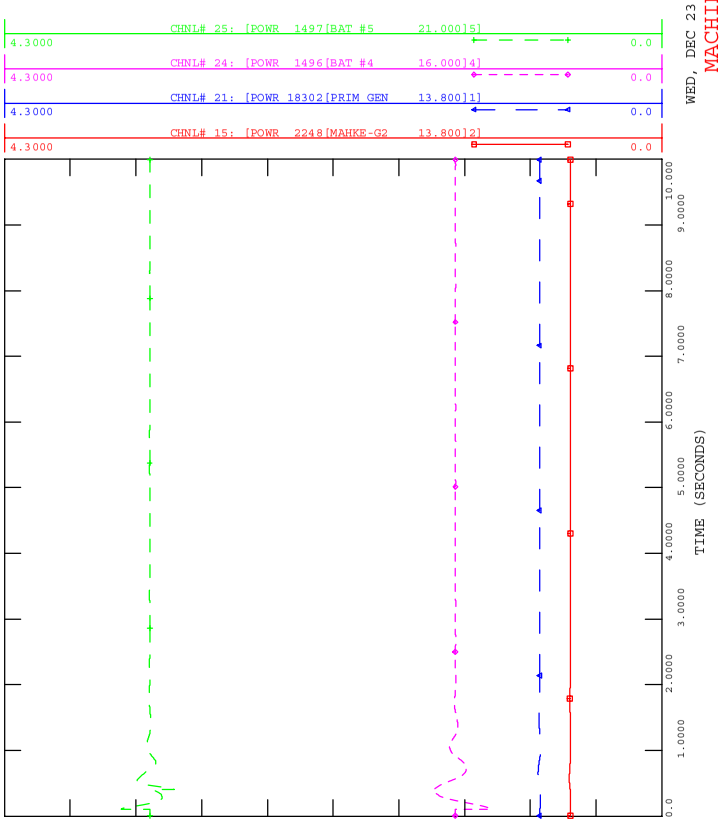


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

WED, DEC 23 2009 14:08

MACHINE POWER

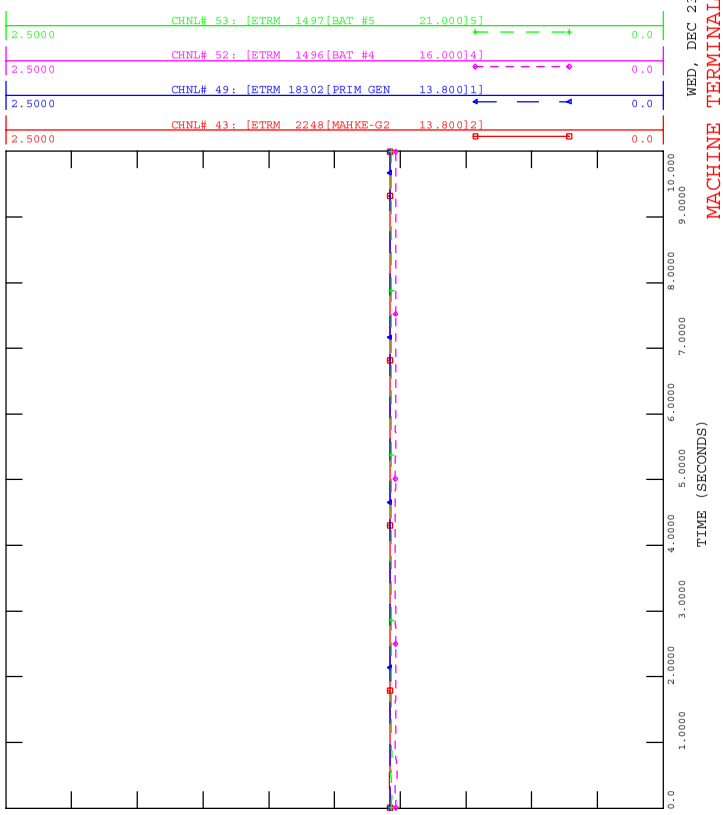


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

WED, DEC 23 2009 14:08

MACHINE TERMINAL VOLTAGE

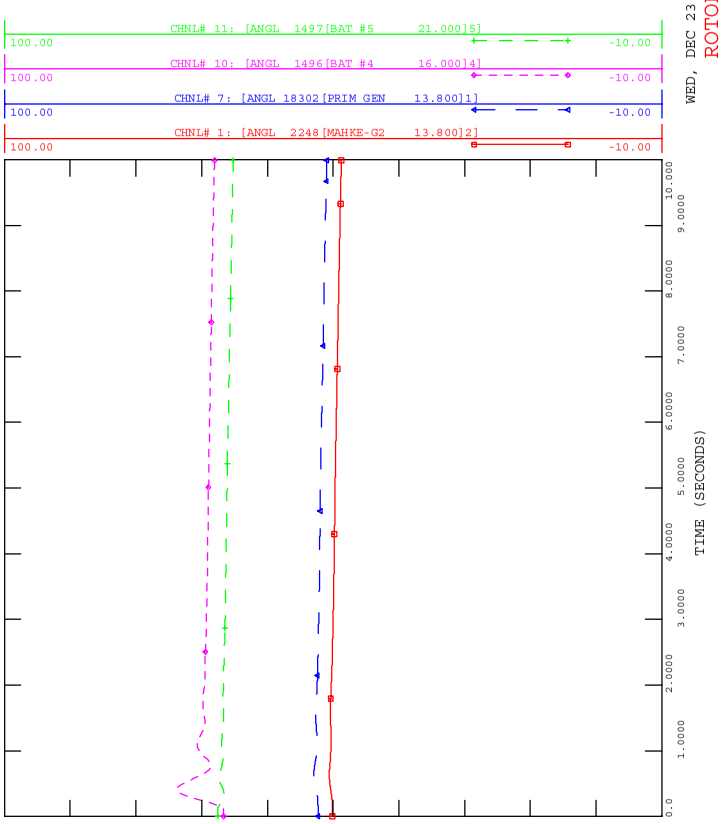


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

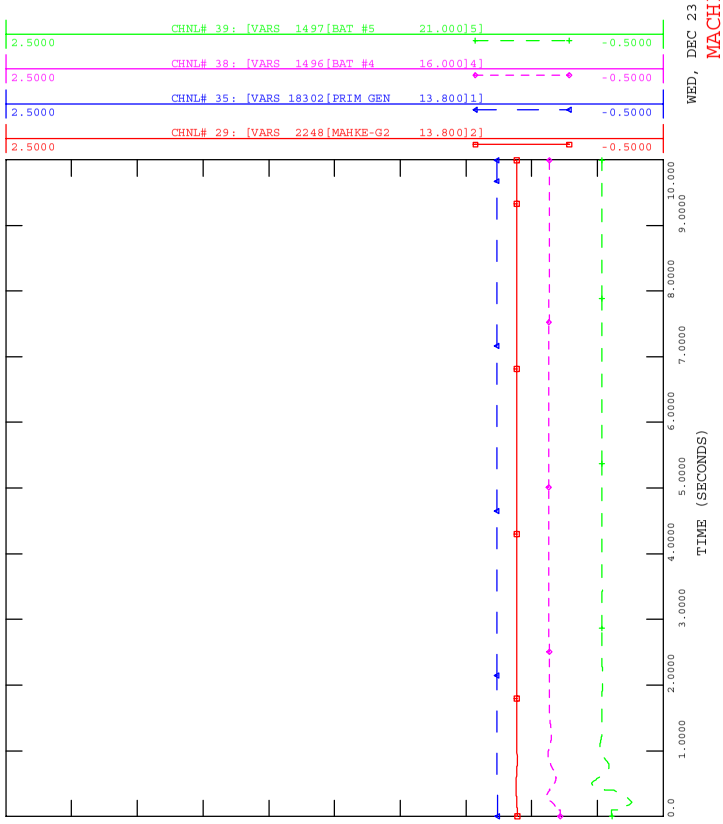


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

WED, DEC 23 2009 14:08

MACHINE VARS

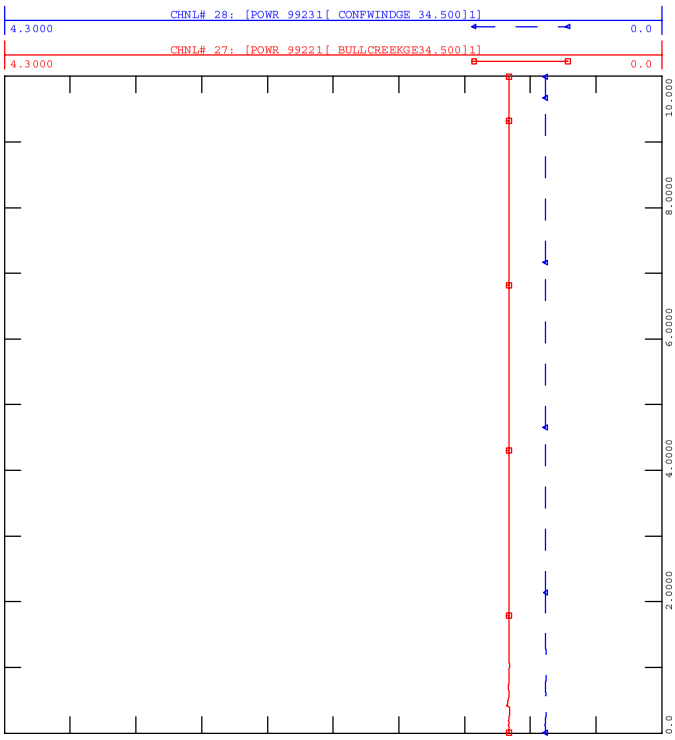


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE POWER

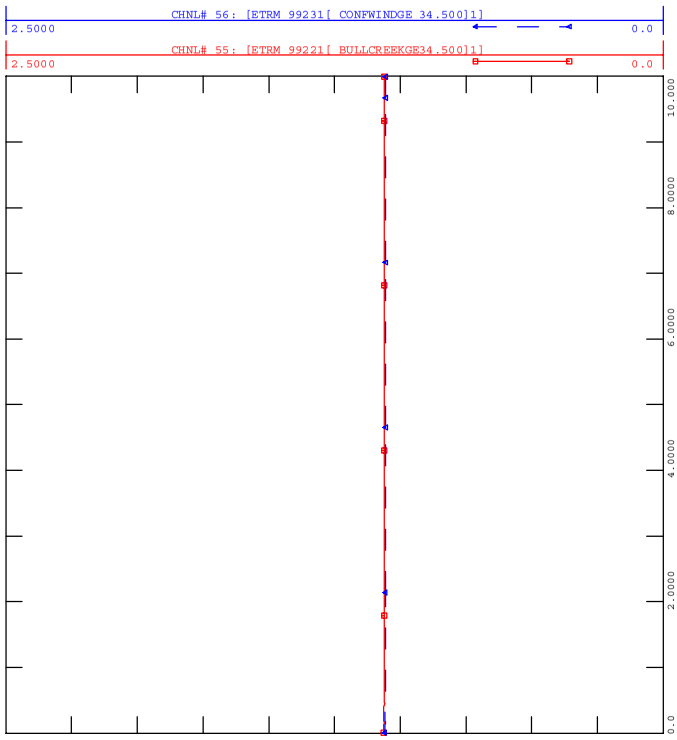


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

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WIND MACH. TERMINAL VOLTS

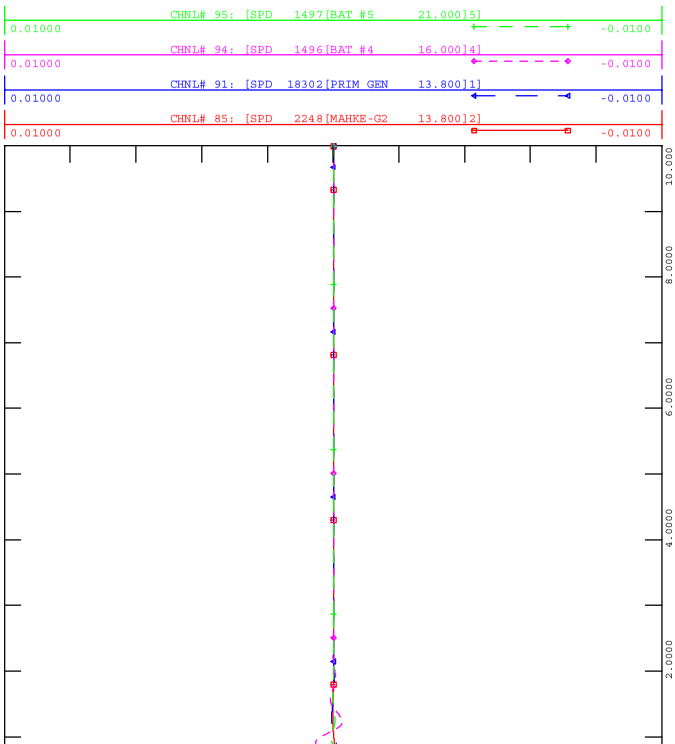


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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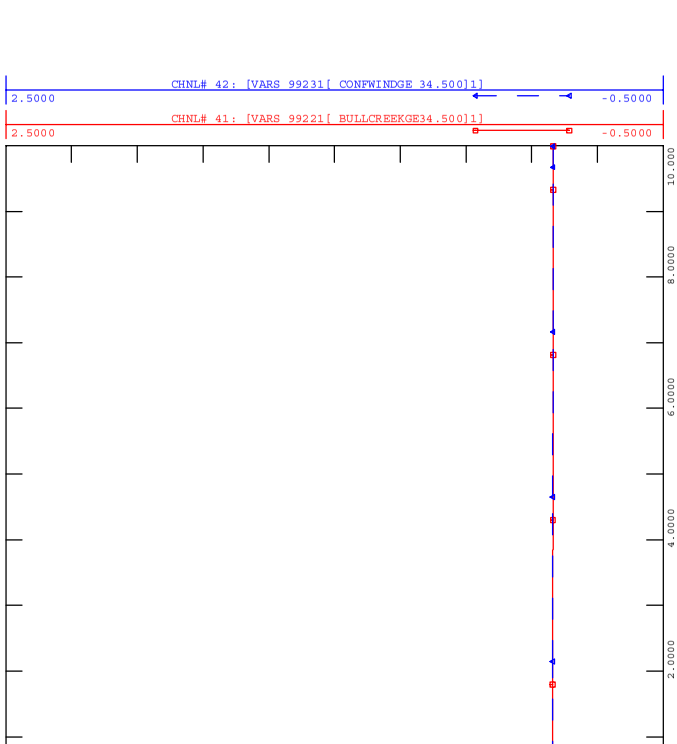


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

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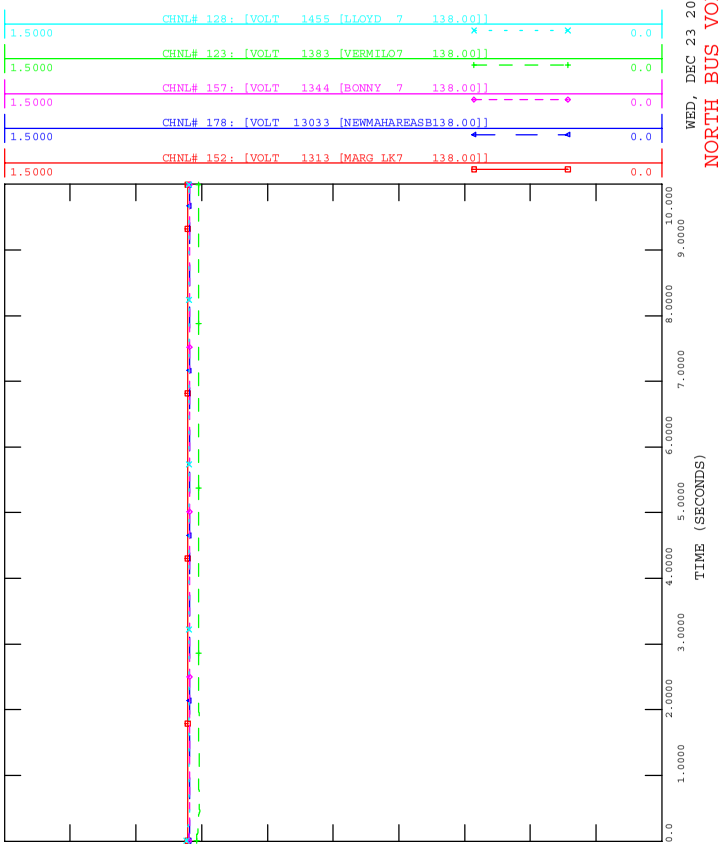


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

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NORTH BUS VOLTAGES

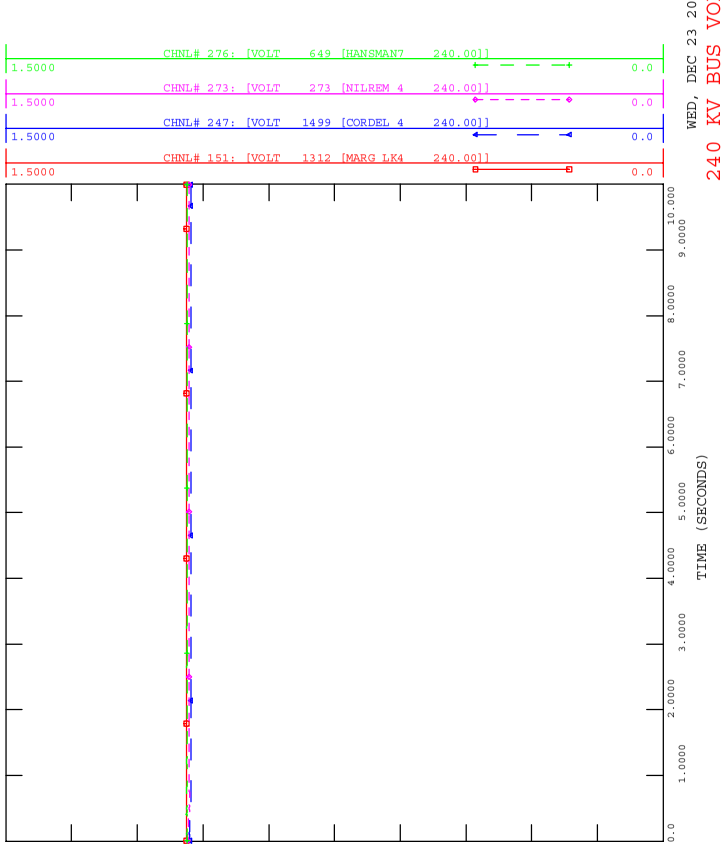


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

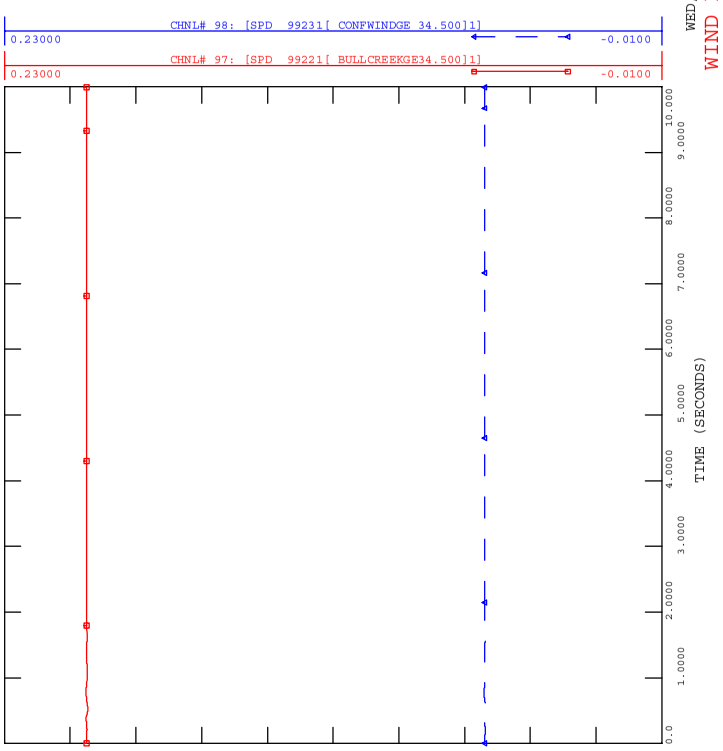


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-8Fault.out

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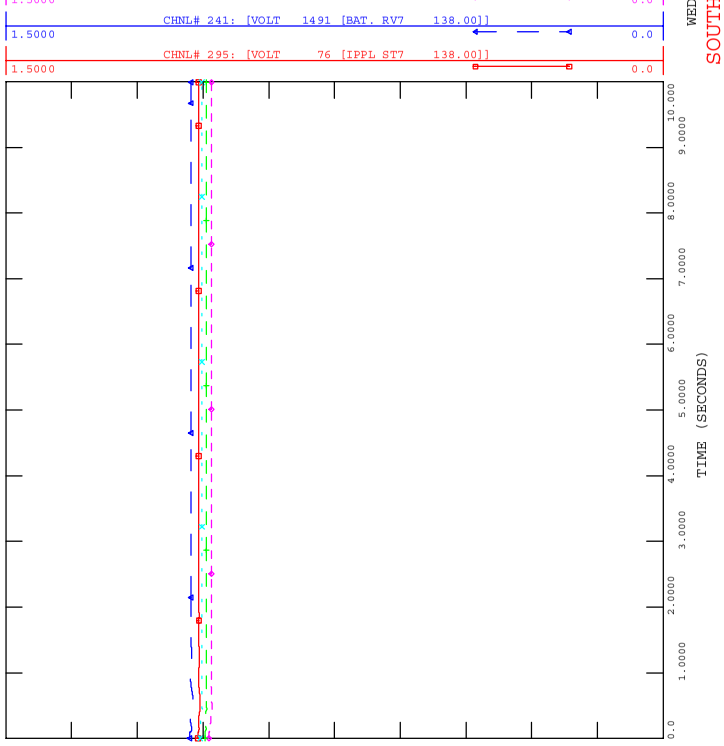


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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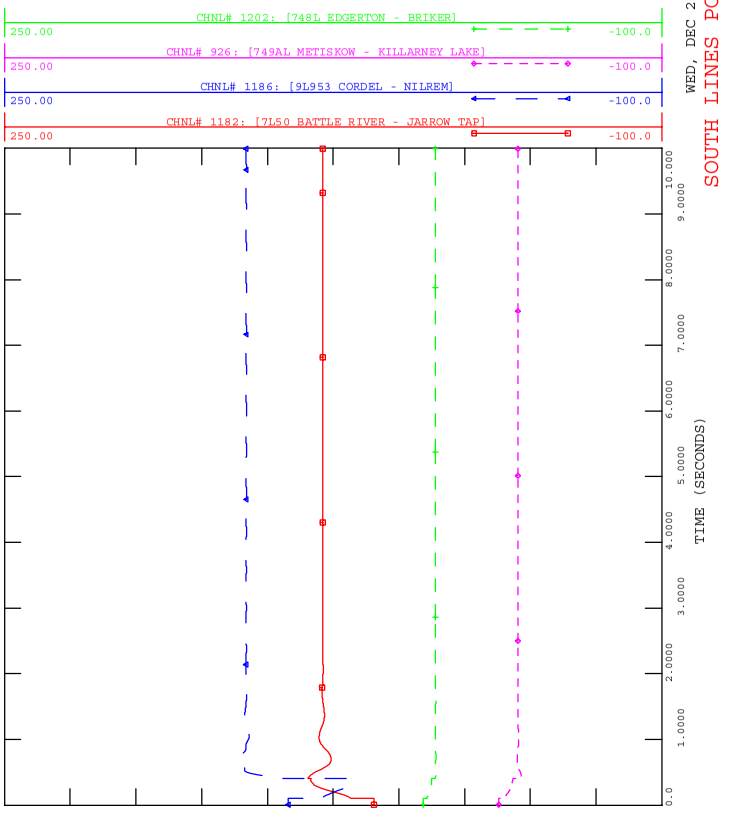
WED, DEC 23 2009 14:08

SOUTH BUS VOLTAGES



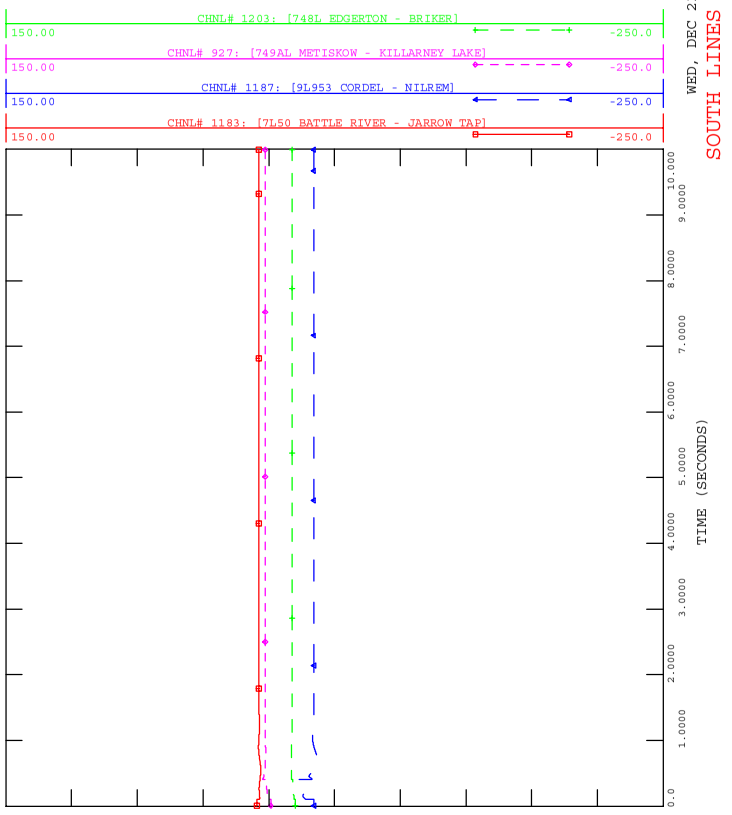
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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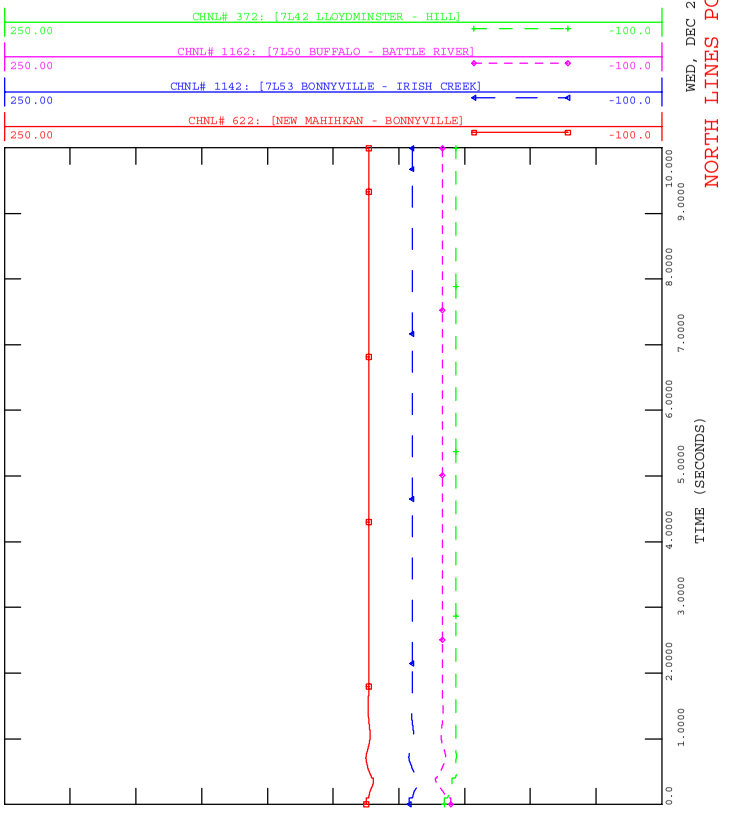
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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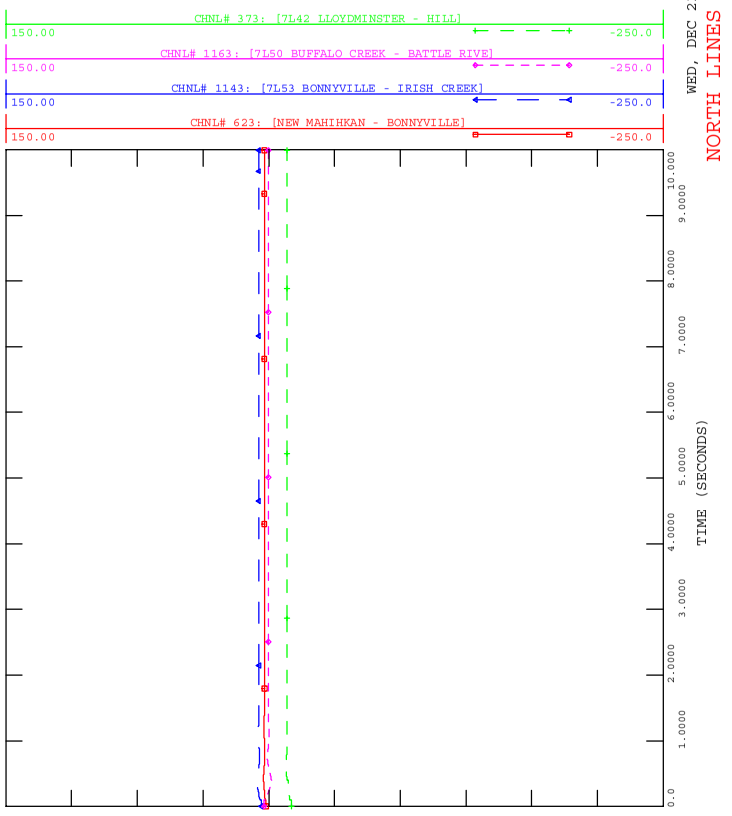
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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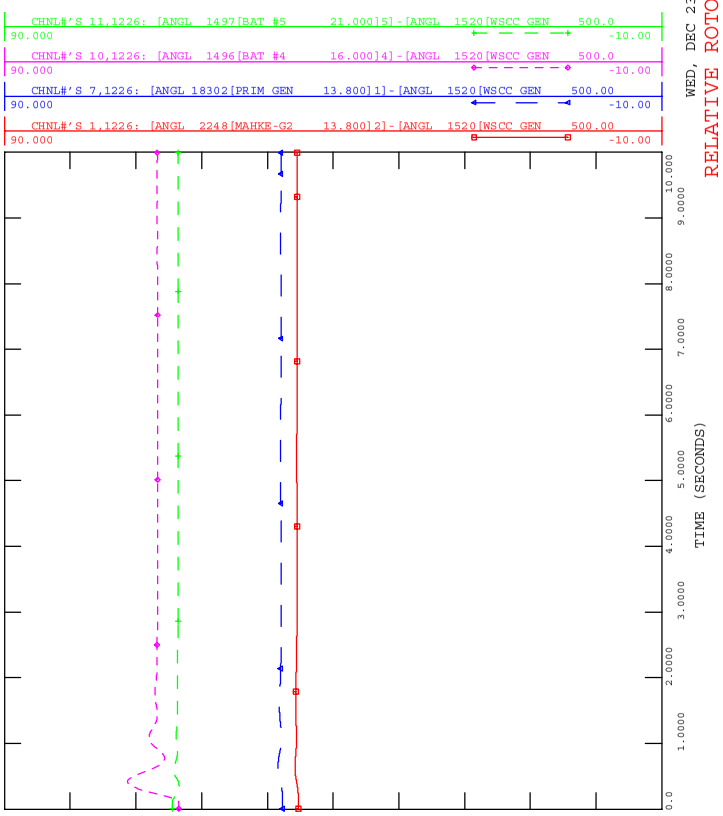
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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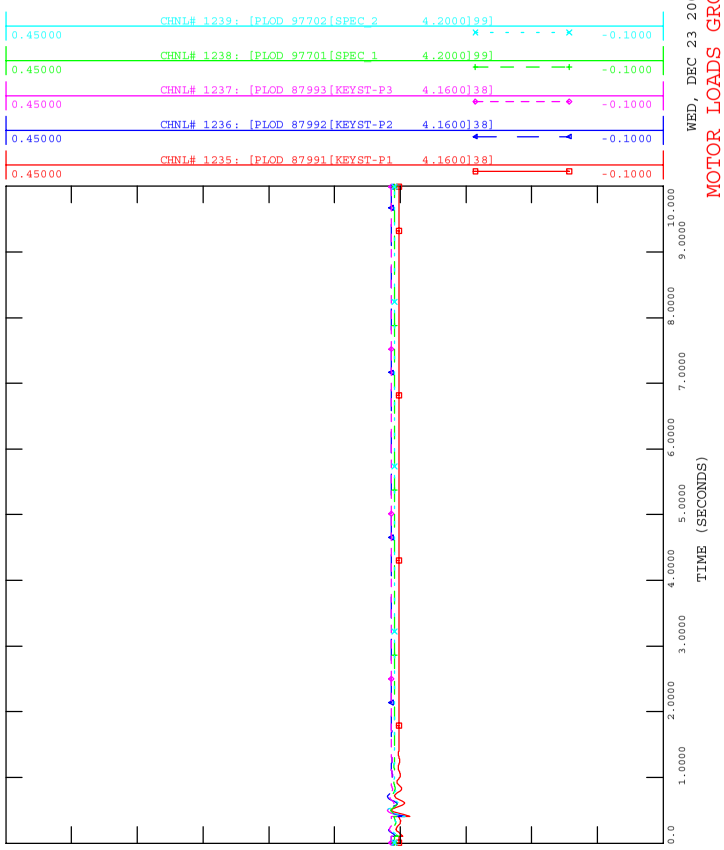


WED, DEC 23 2009 14:08

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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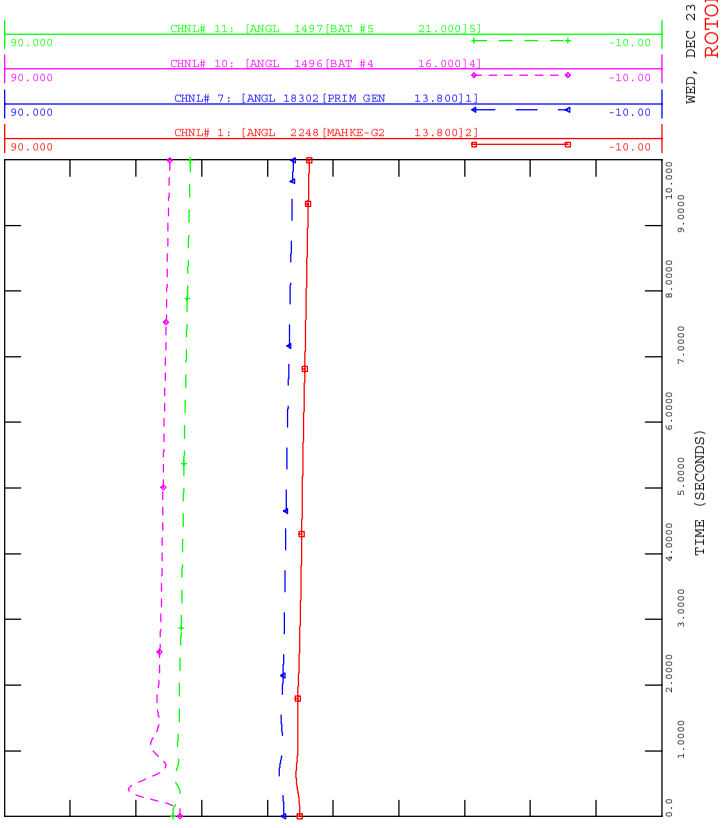


WED, DEC 23 2009 14:08

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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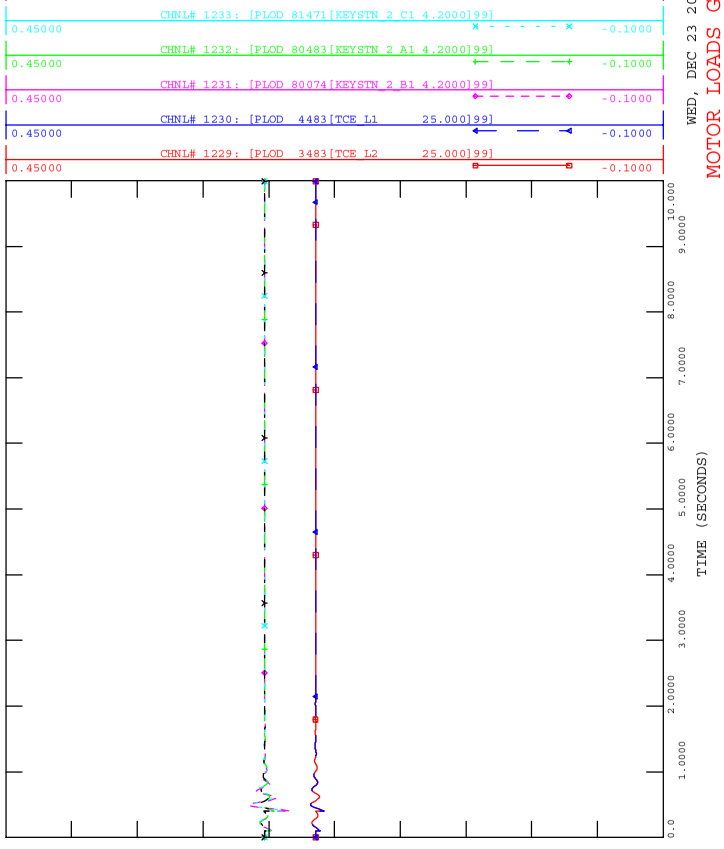


WED, DEC 23 2009 14:08

ROTOR ANGLES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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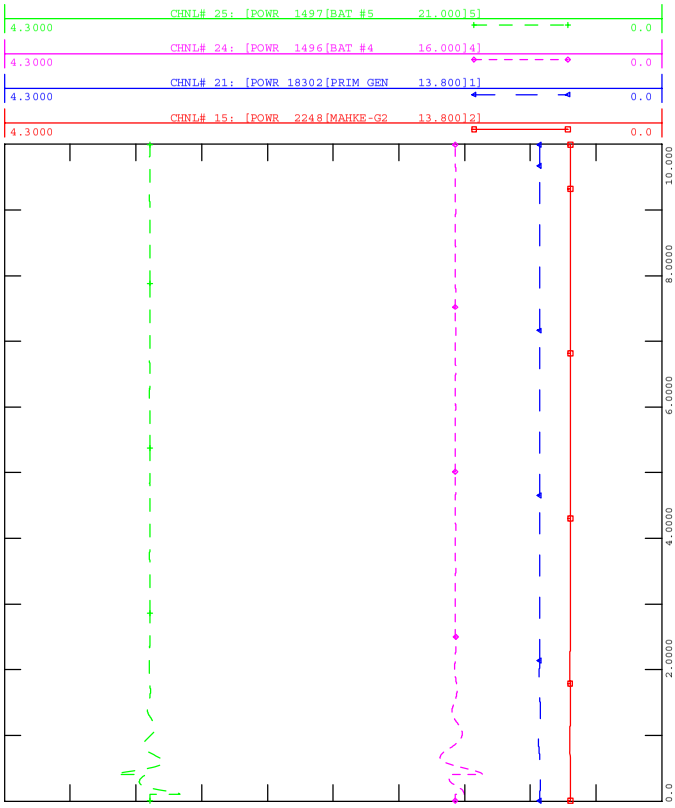
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out

WED, DEC 23 2009 14:08

MACHINE POWER

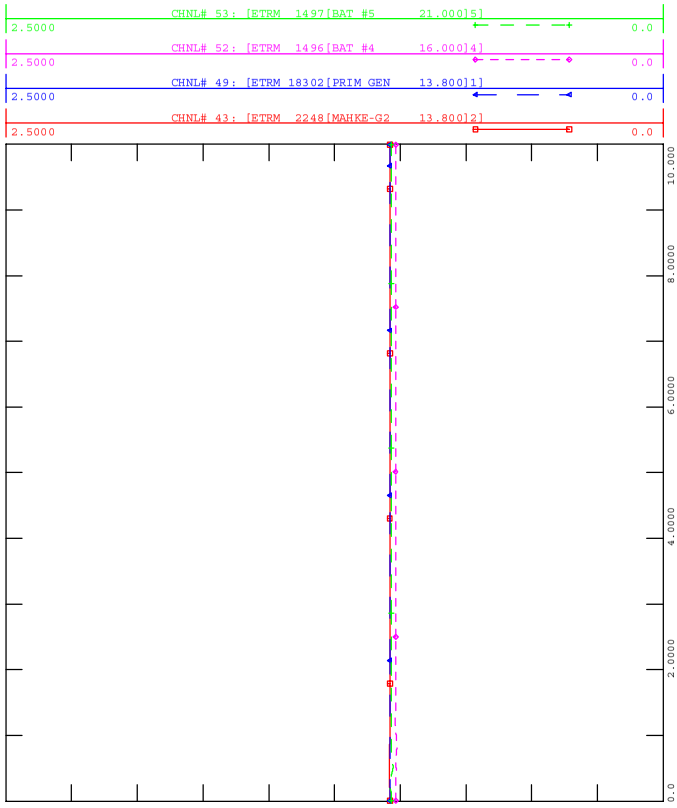


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE TERMINAL VOLTAGE

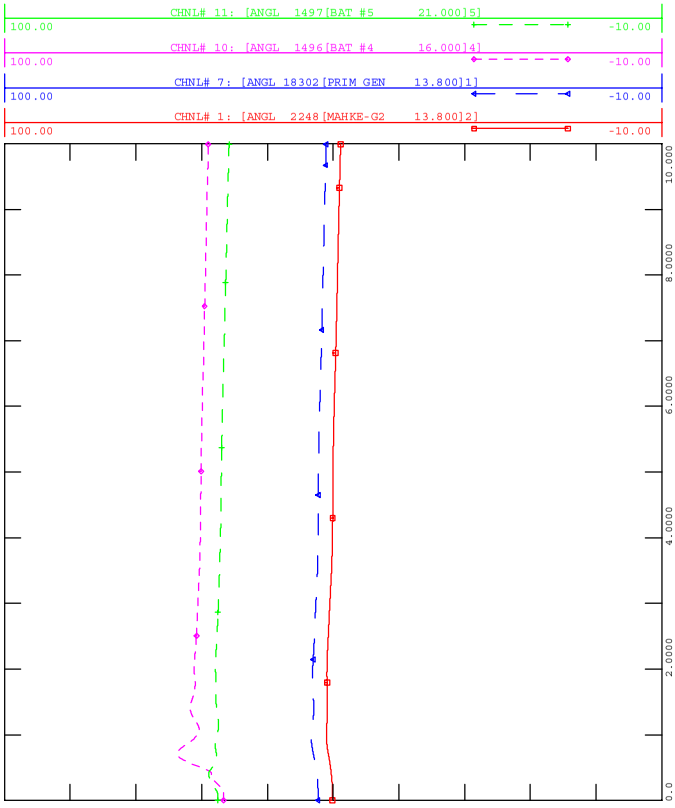


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

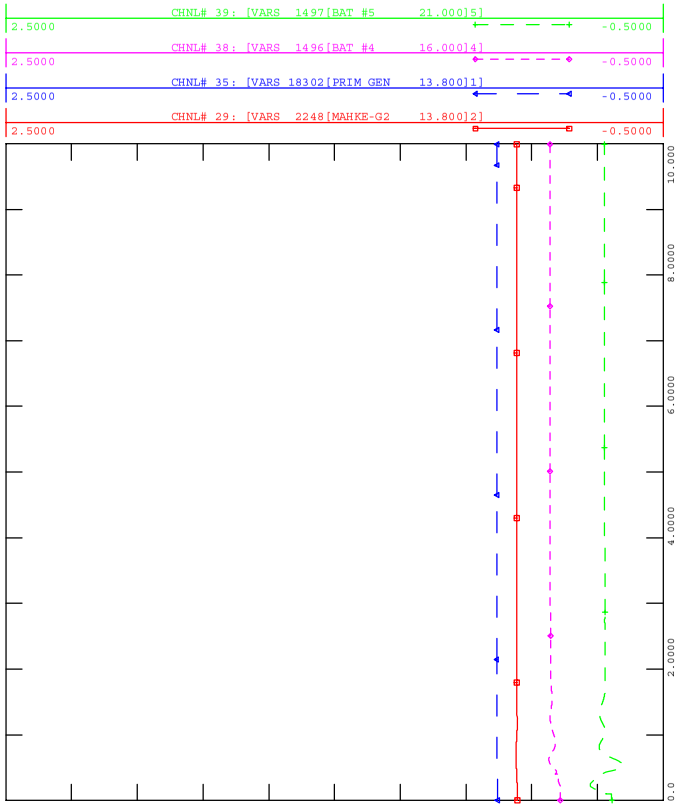


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out

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MACHINE VARS

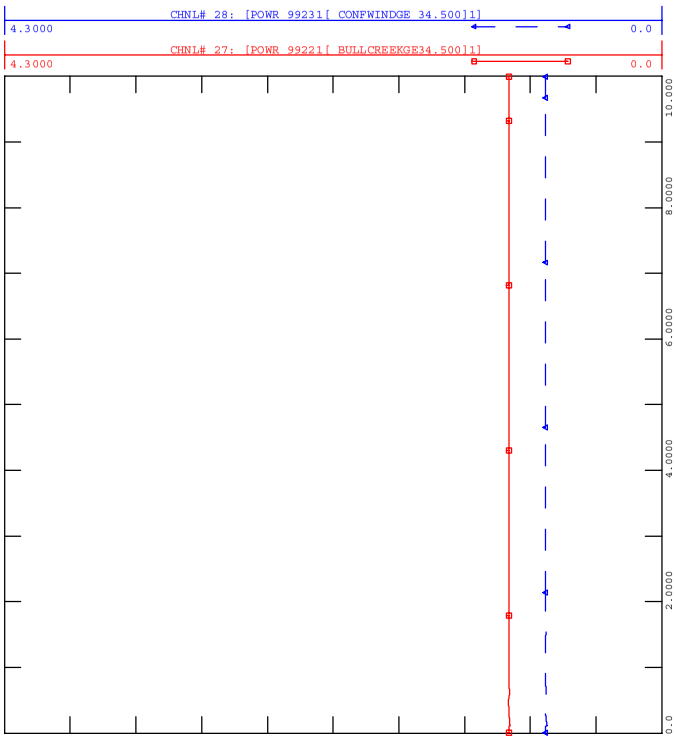


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

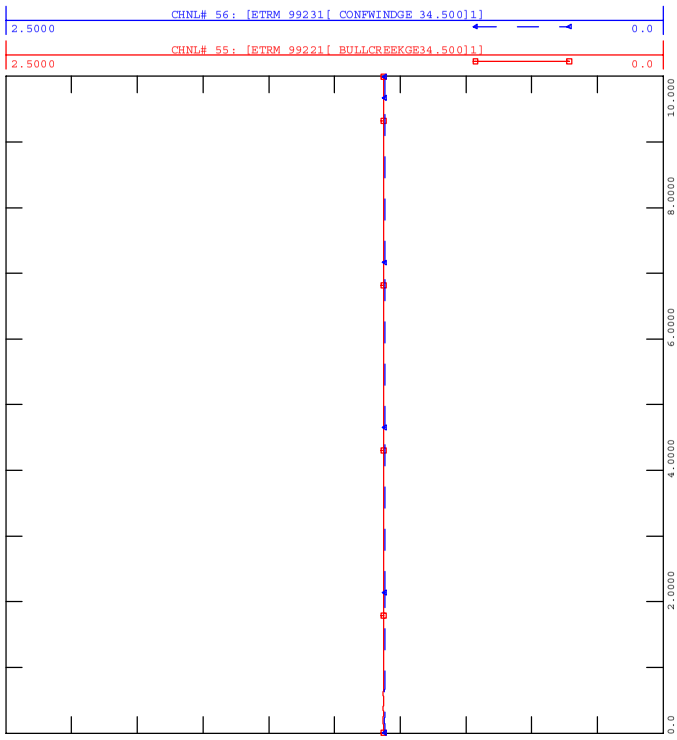


CENTRAL AREA STUDY
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WIND MACH. TERMINAL VOLTS

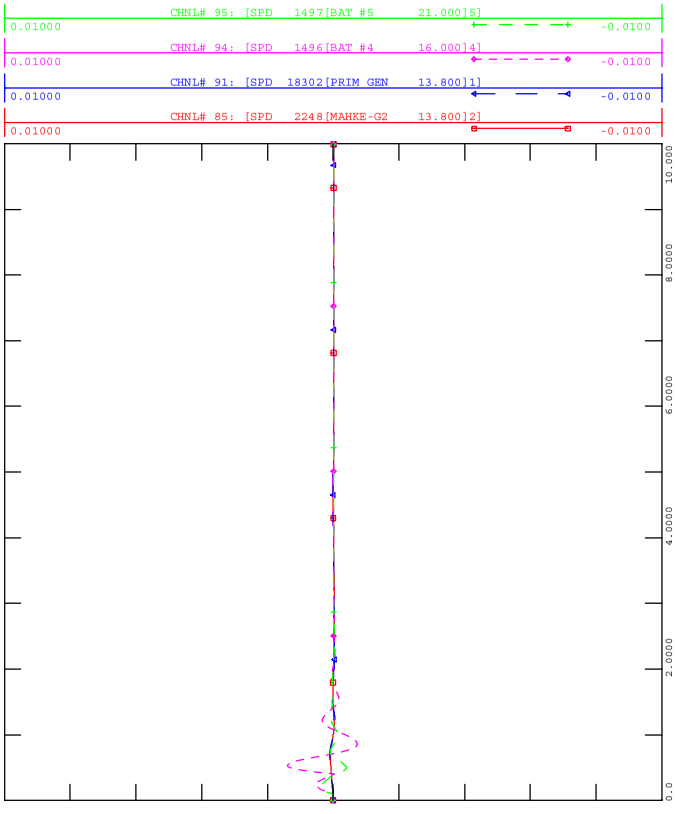


CENTRAL AREA STUDY
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MACHINE SPEED

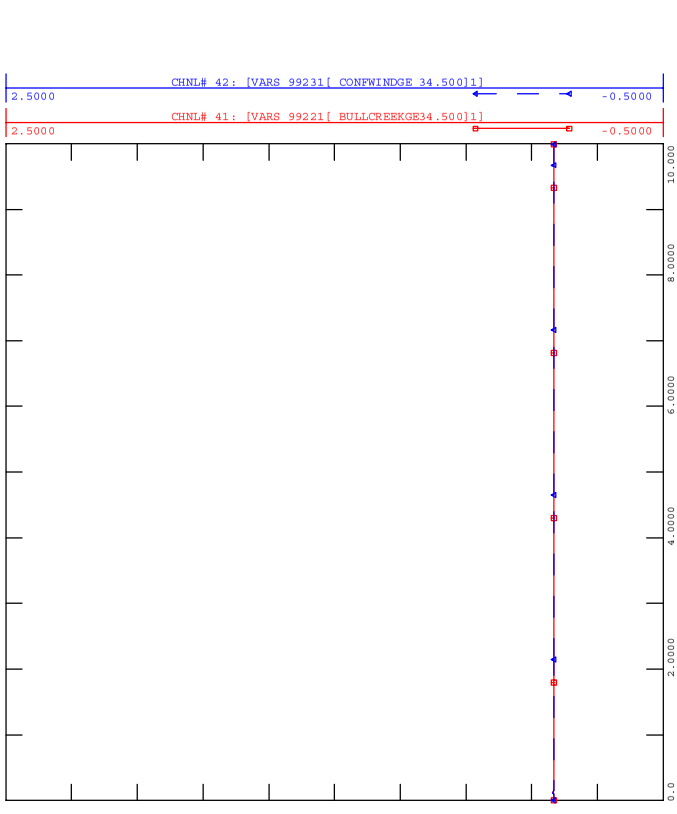


CENTRAL AREA STUDY
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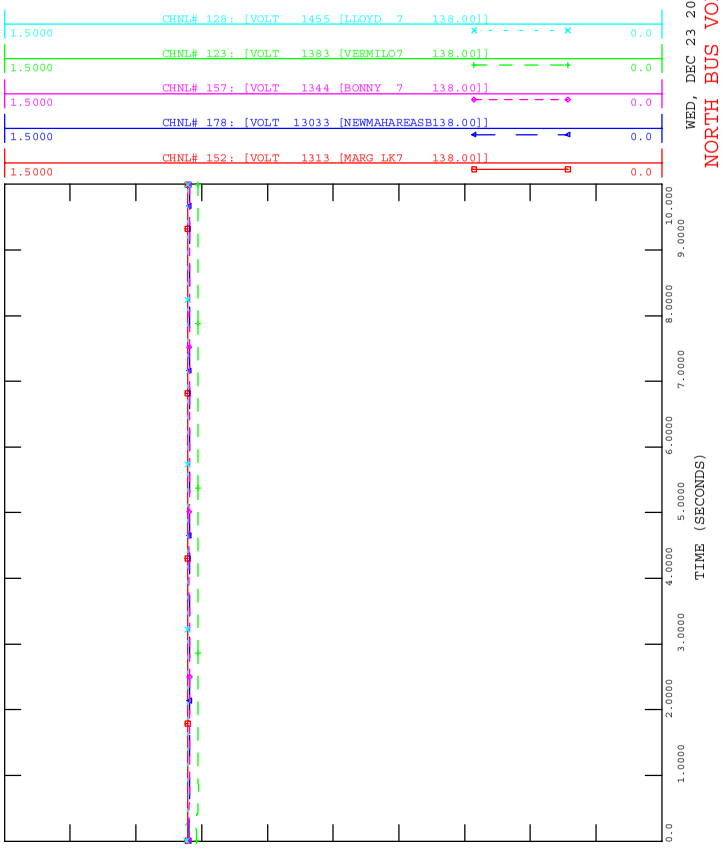


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out

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NORTH BUS VOLTAGES

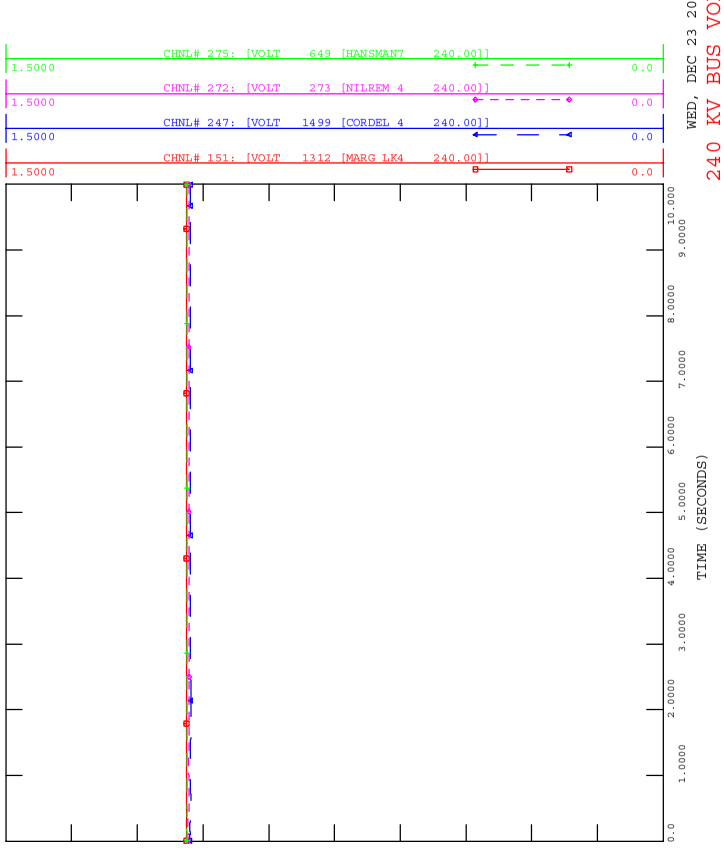


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out

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240 KV BUS VOLTAGES

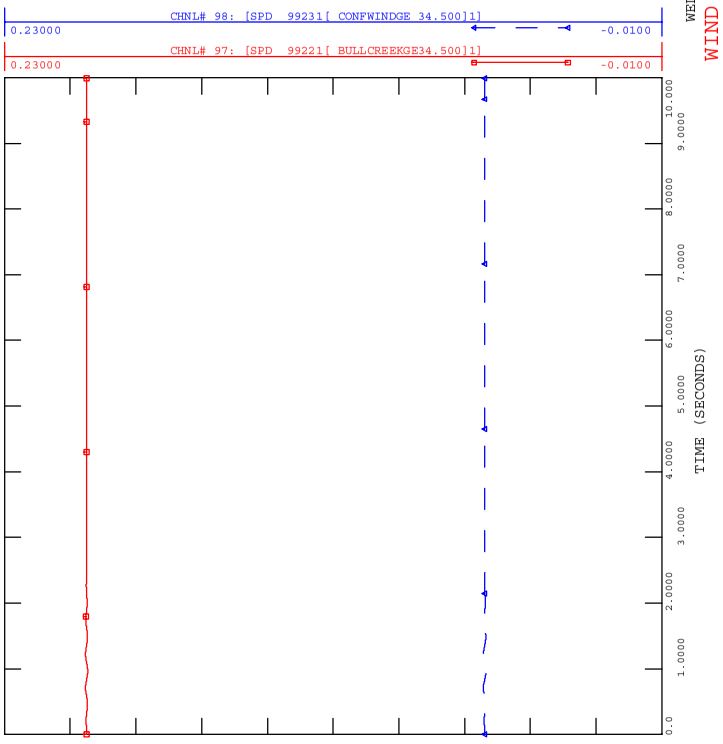


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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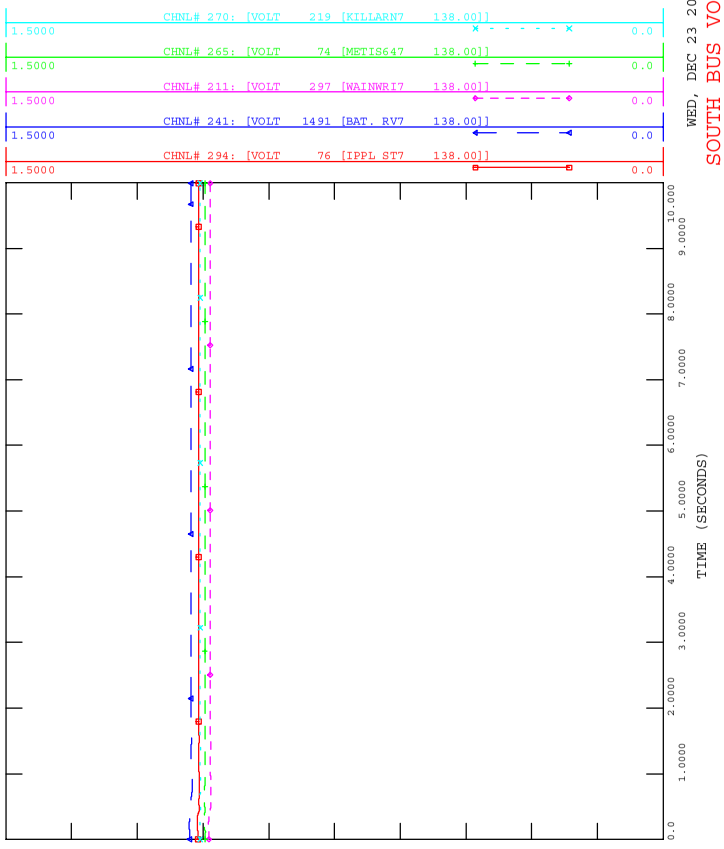


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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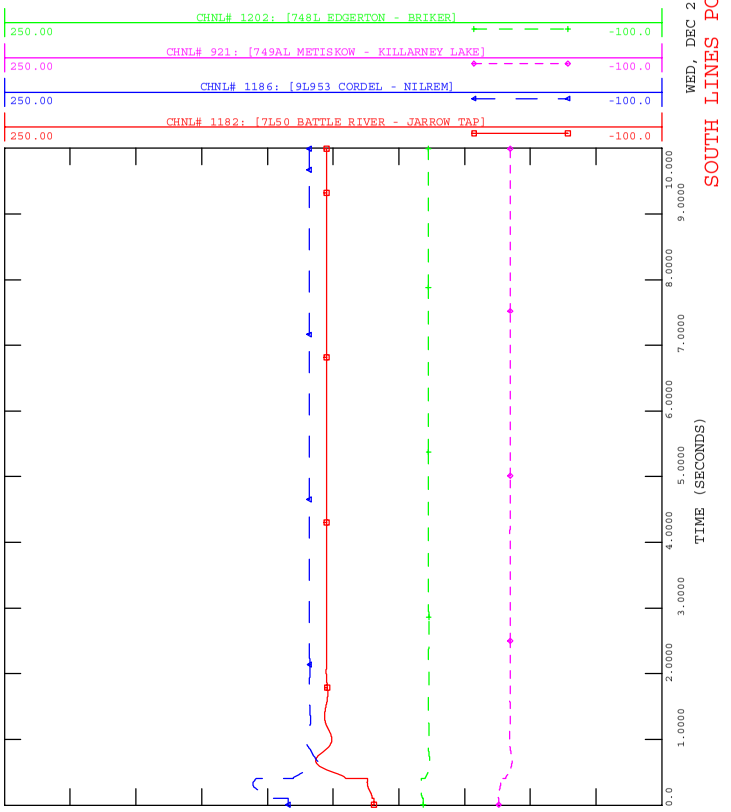
WED, DEC 23 2009 14:08

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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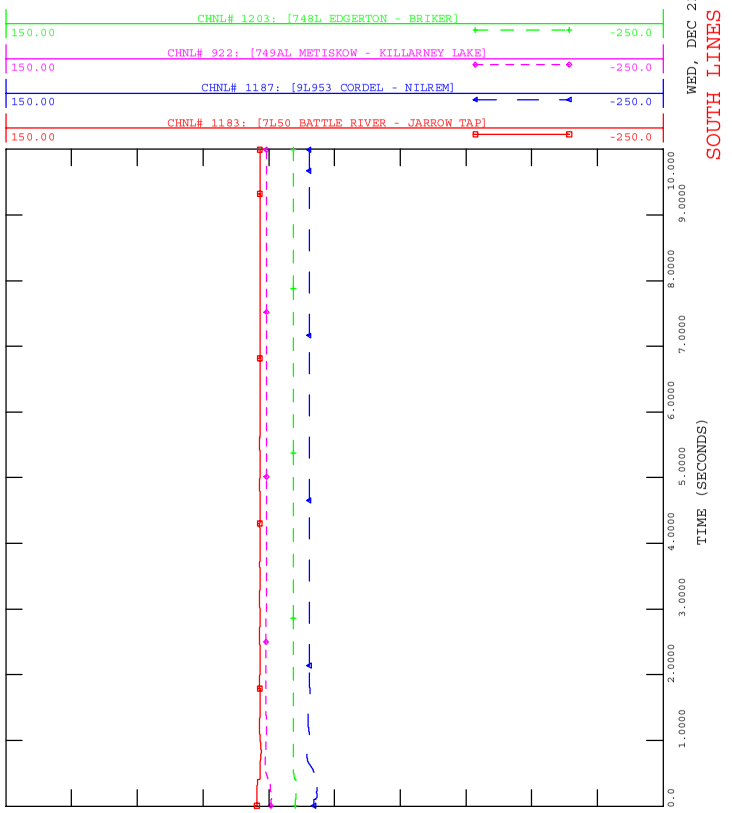


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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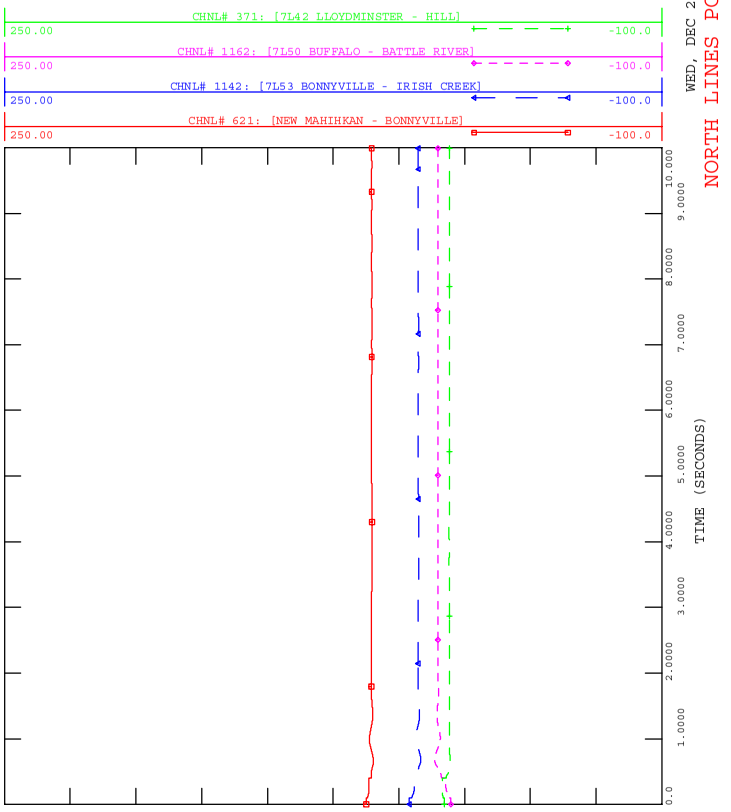


WED, DEC 23 2009 14:08

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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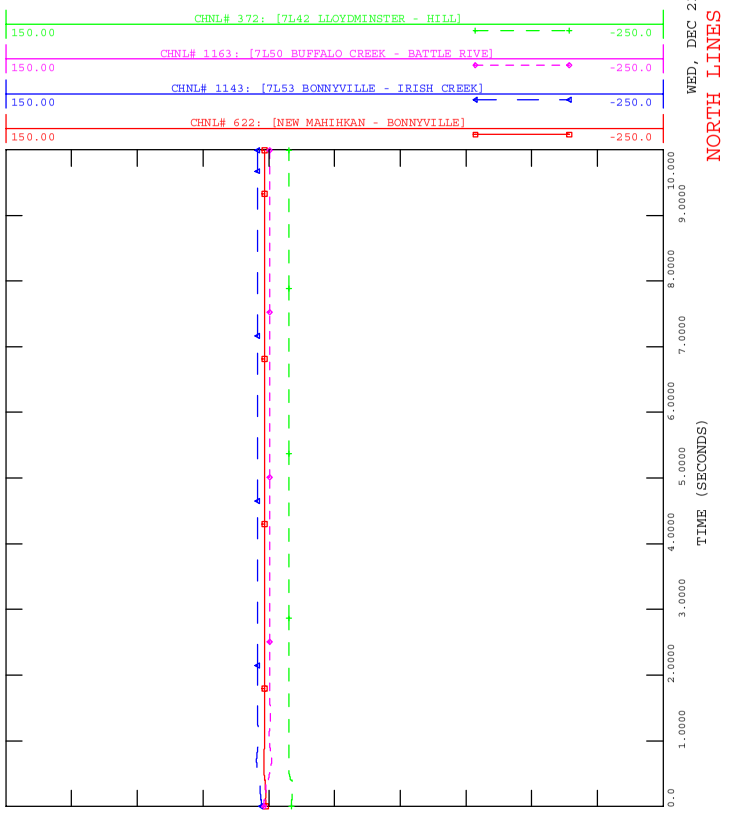


WED, DEC 23 2009 14:08

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out



WED, DEC 23 2009 14:08

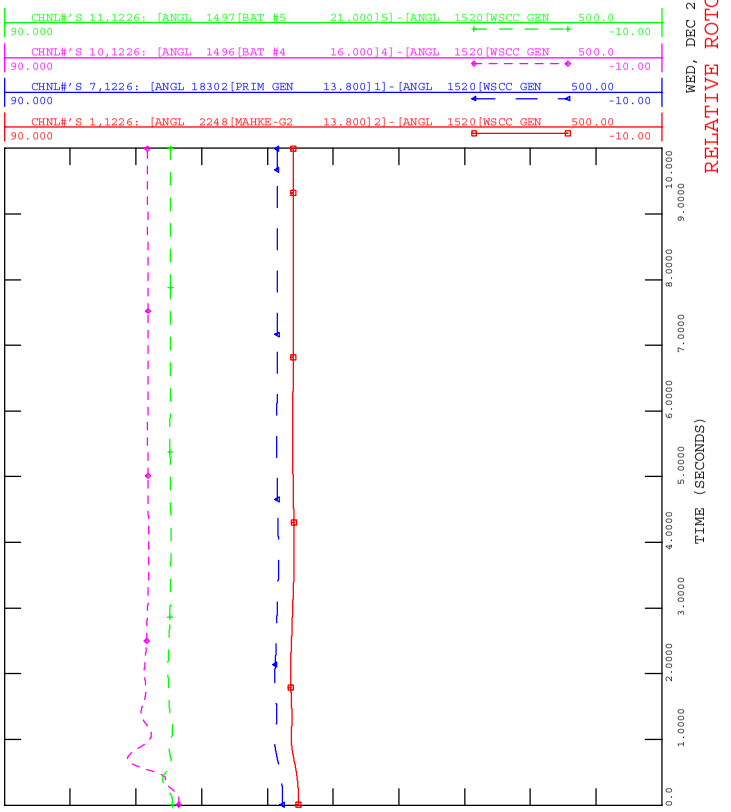
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

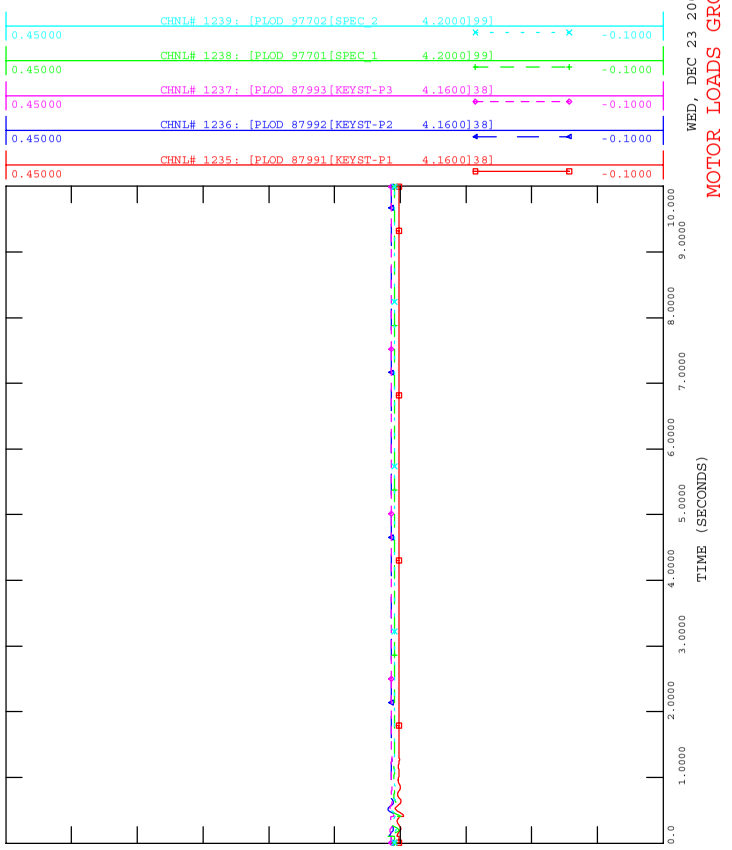


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out

WED, DEC 23 2009 14:08

MOTOR LOADS GROUP II

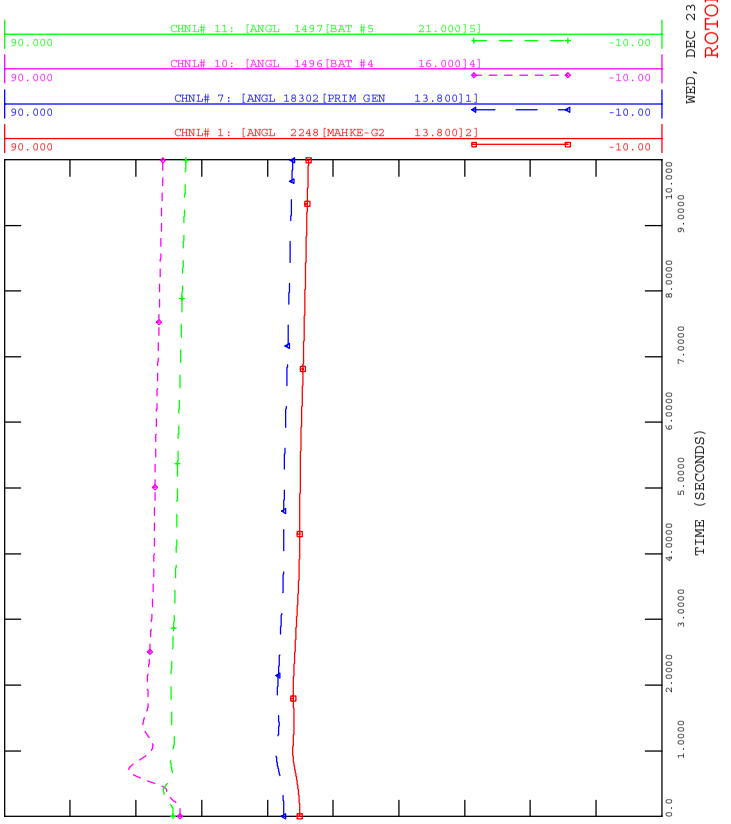


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

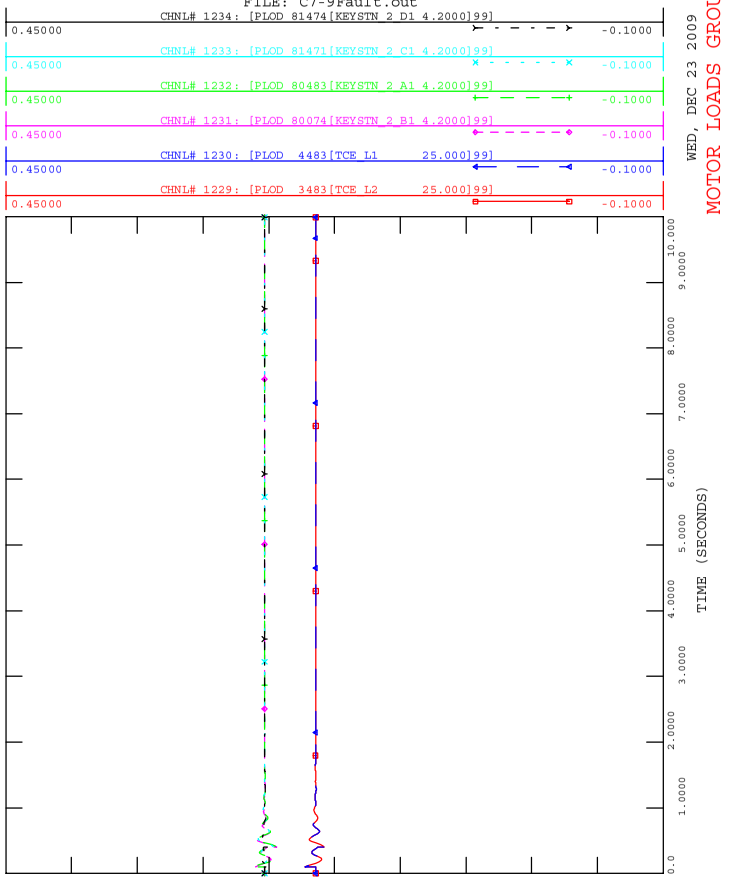


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-9Fault.out

WED, DEC 23 2009 14:08

MOTOR LOADS GROUP I

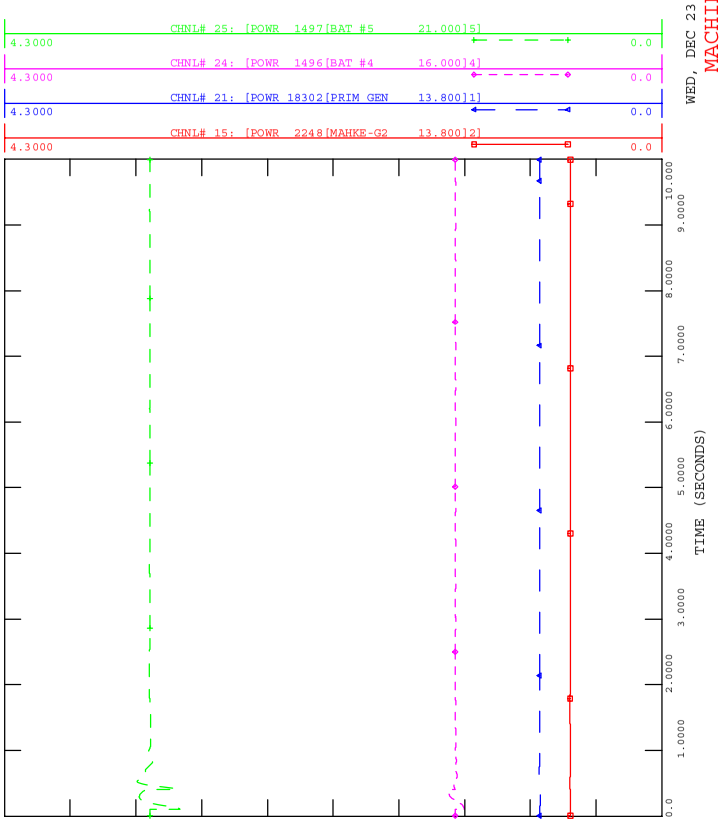


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

MACHINE POWER

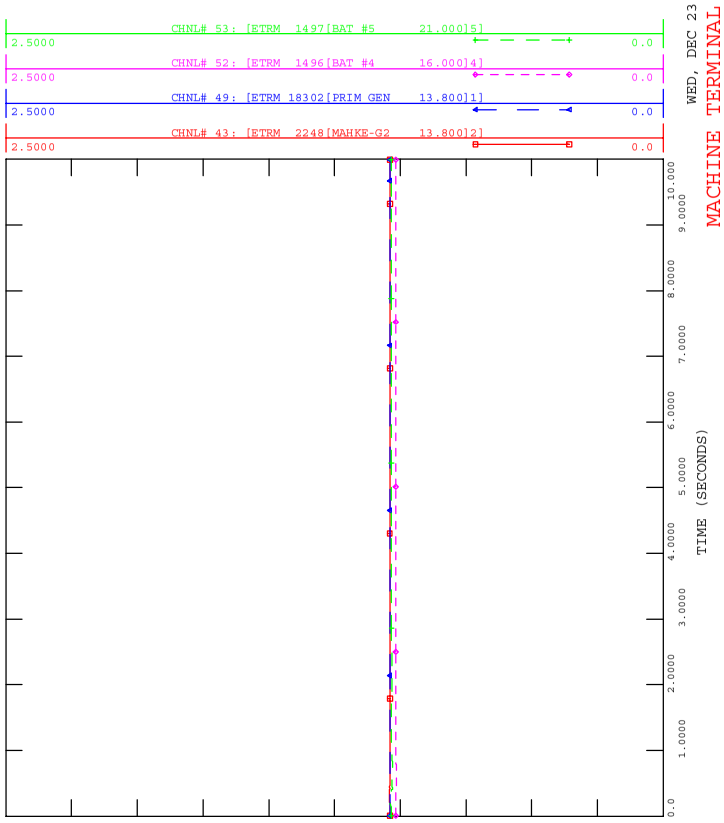


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

MACHINE TERMINAL VOLTAGE

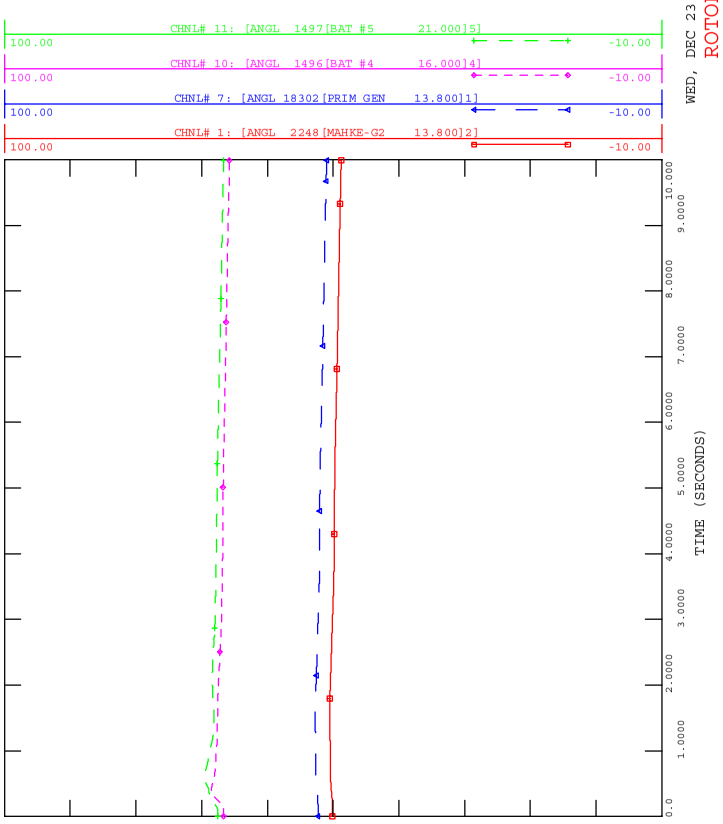


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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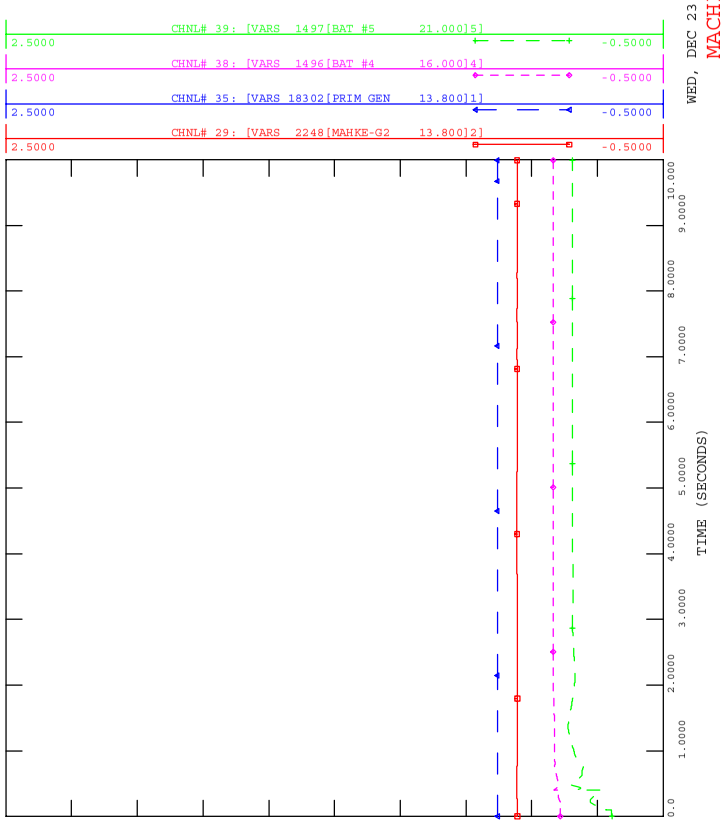


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

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MACHINE VARS

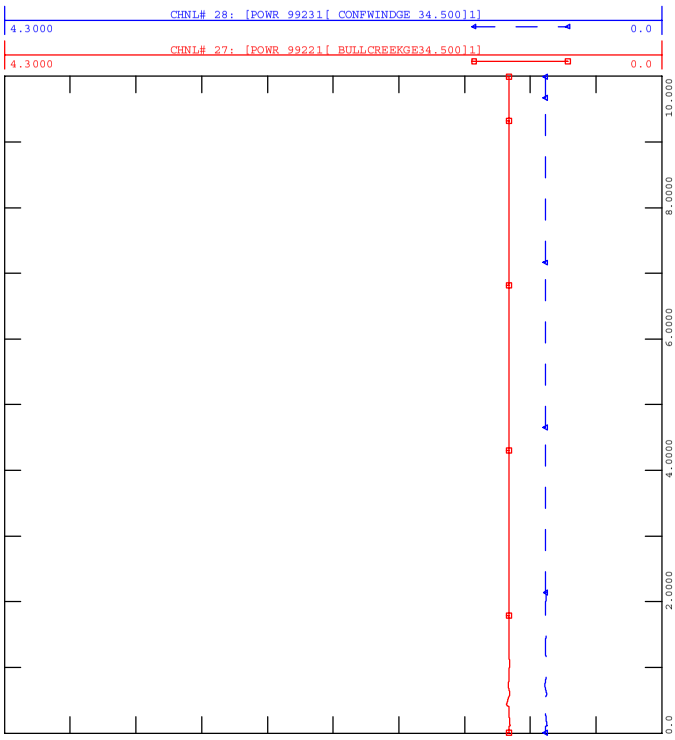


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE POWER

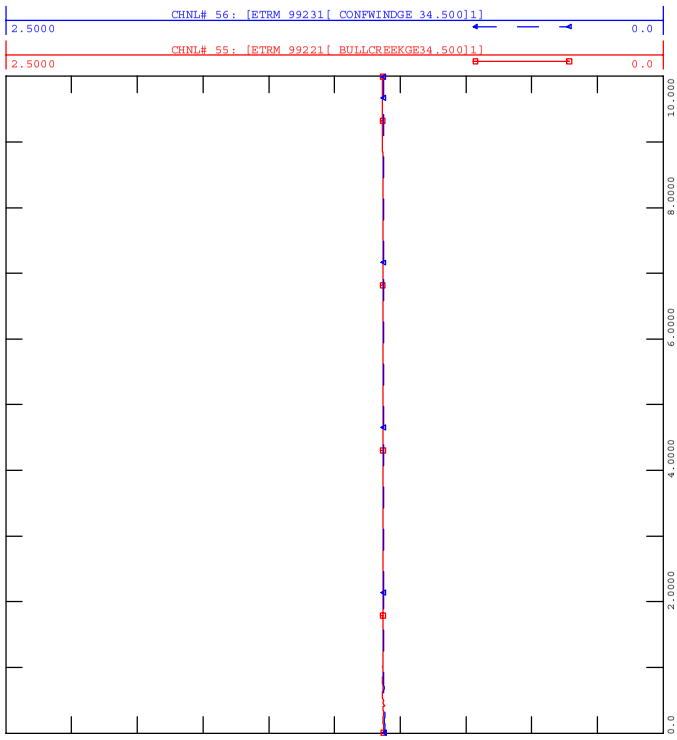


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

WIND MACH. TERMINAL VOLTS

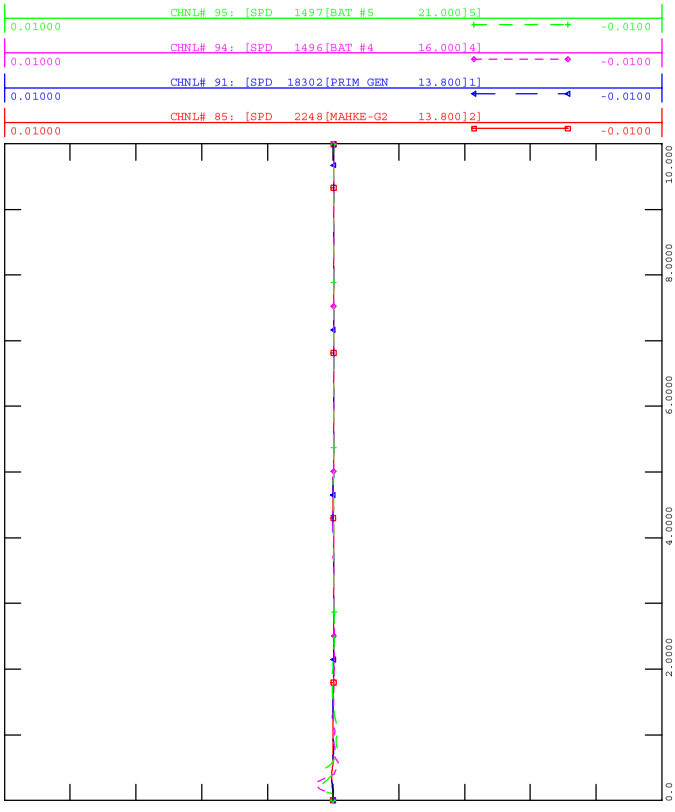


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

MACHINE SPEED

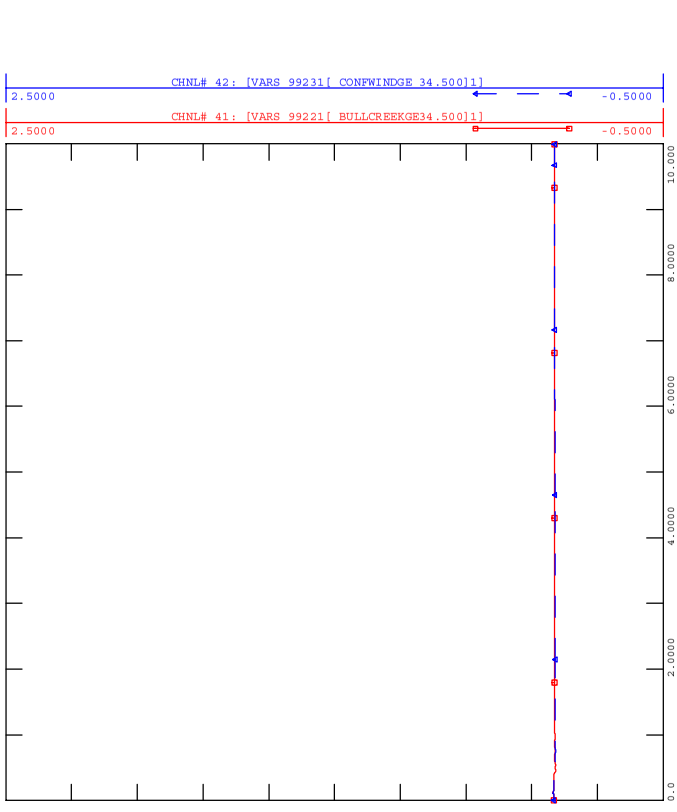


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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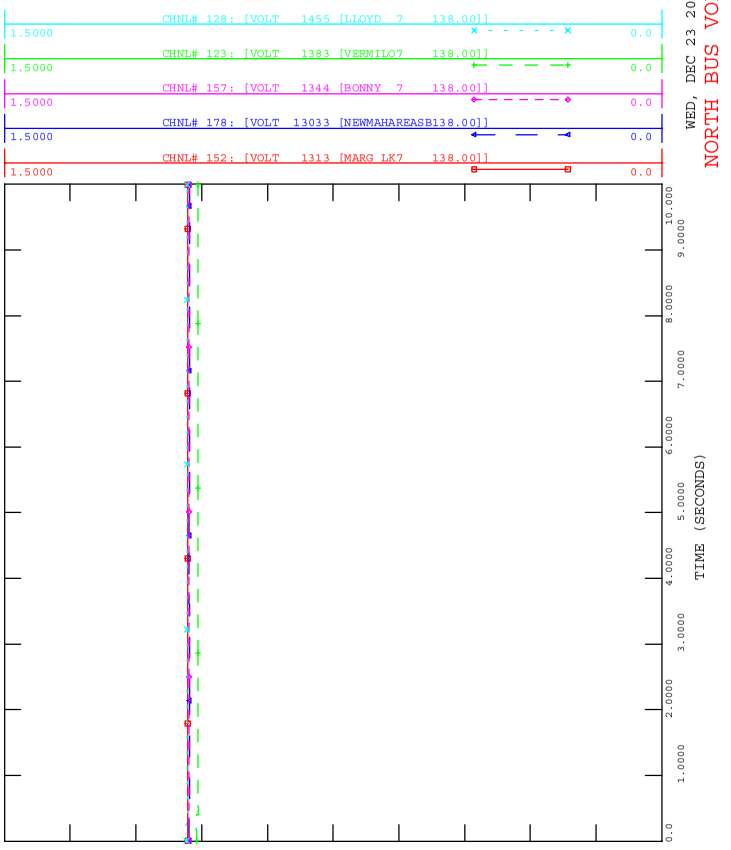
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WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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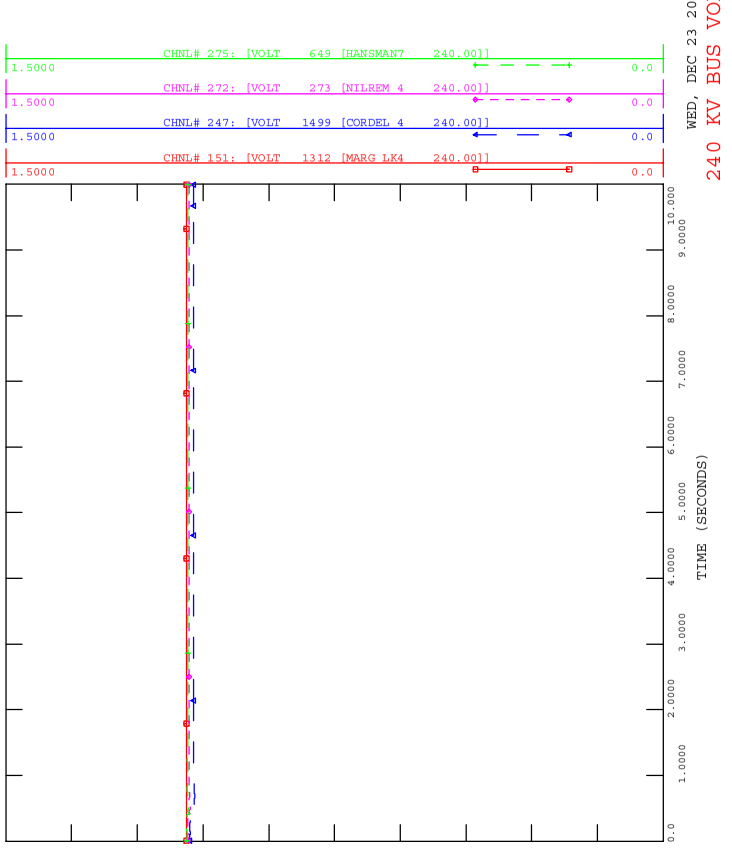


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

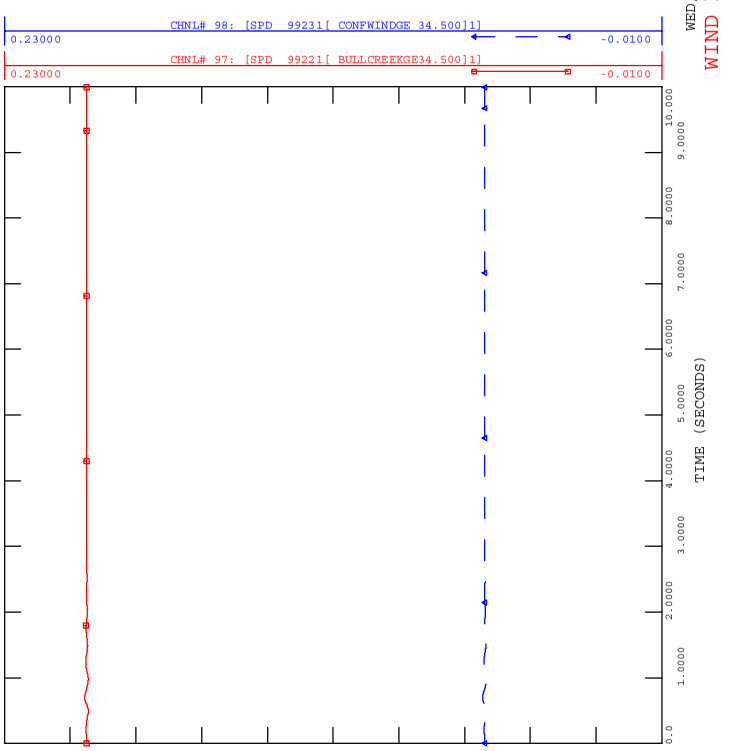


WED, DEC 23 2009 14:08

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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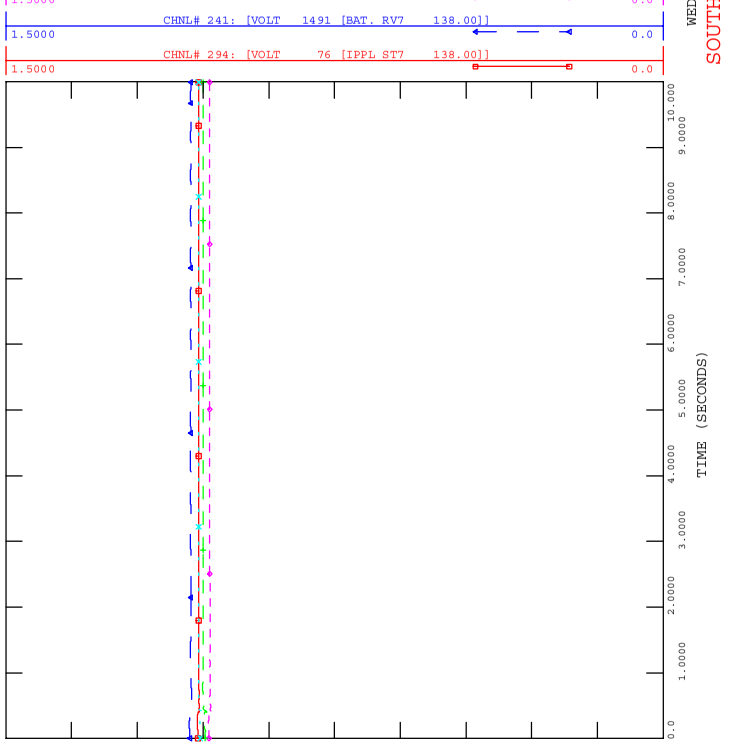


WED, DEC 23 2009 14:08

WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out



WED, DEC 23 2009 14:08

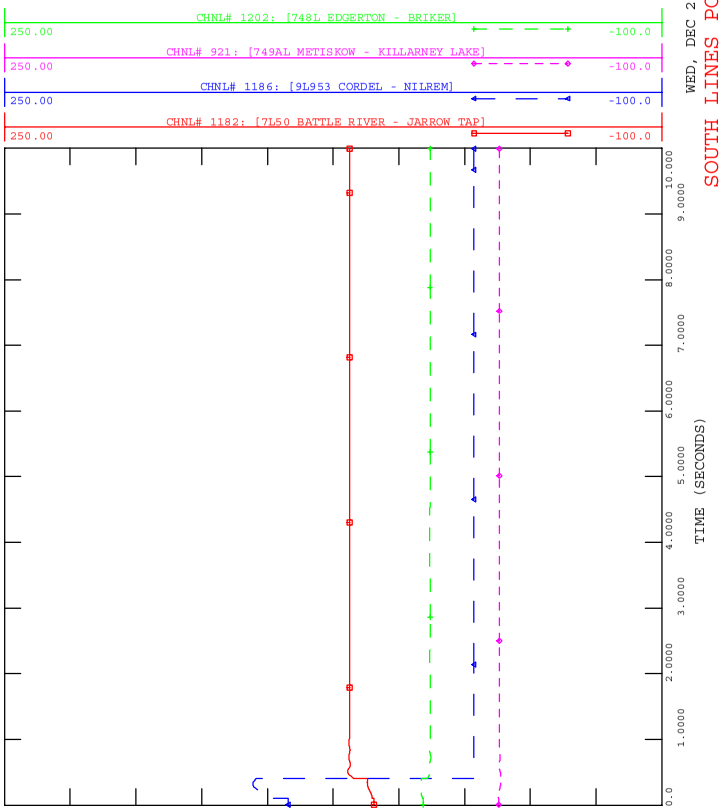
SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

SOUTH LINES POWER FLOW

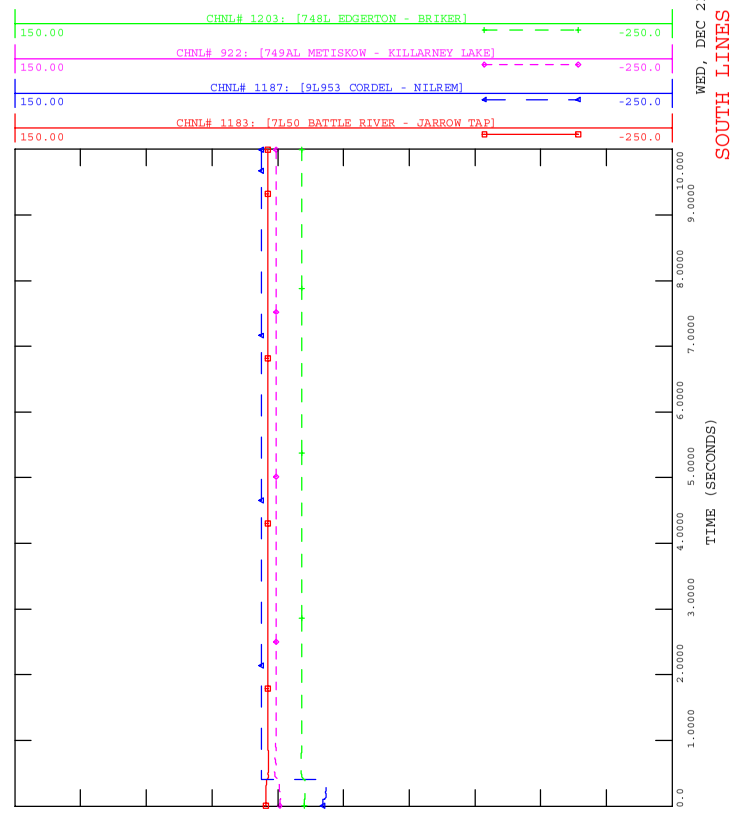


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:08

SOUTH LINES VAR FLOW

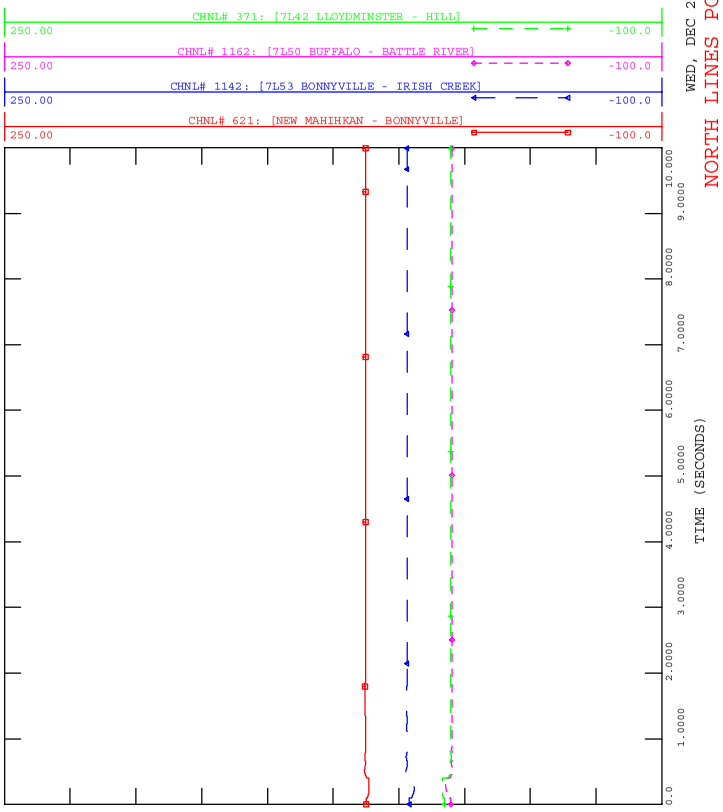


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

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NORTH LINES POWER FLOW

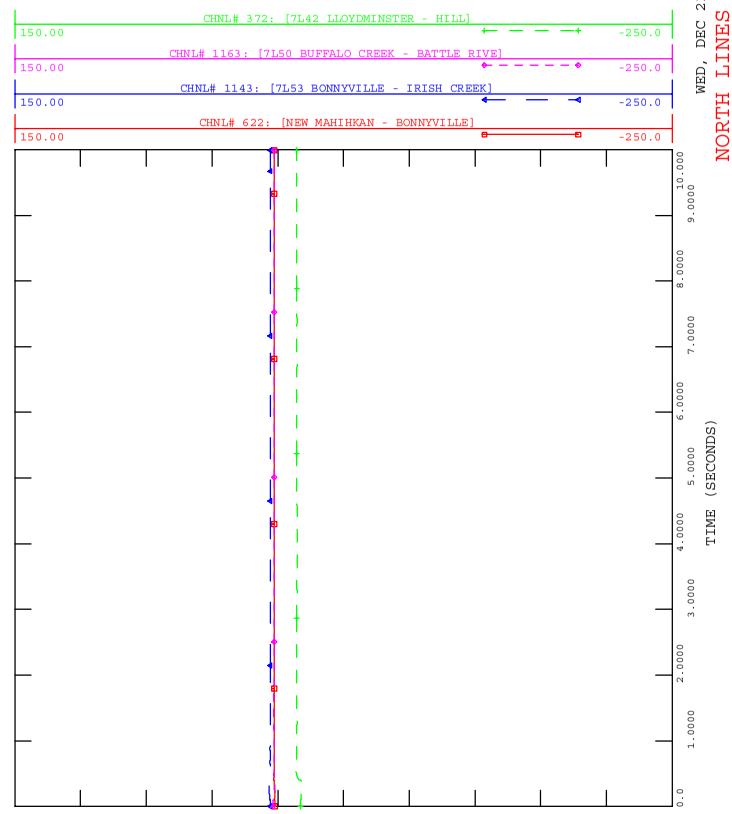


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

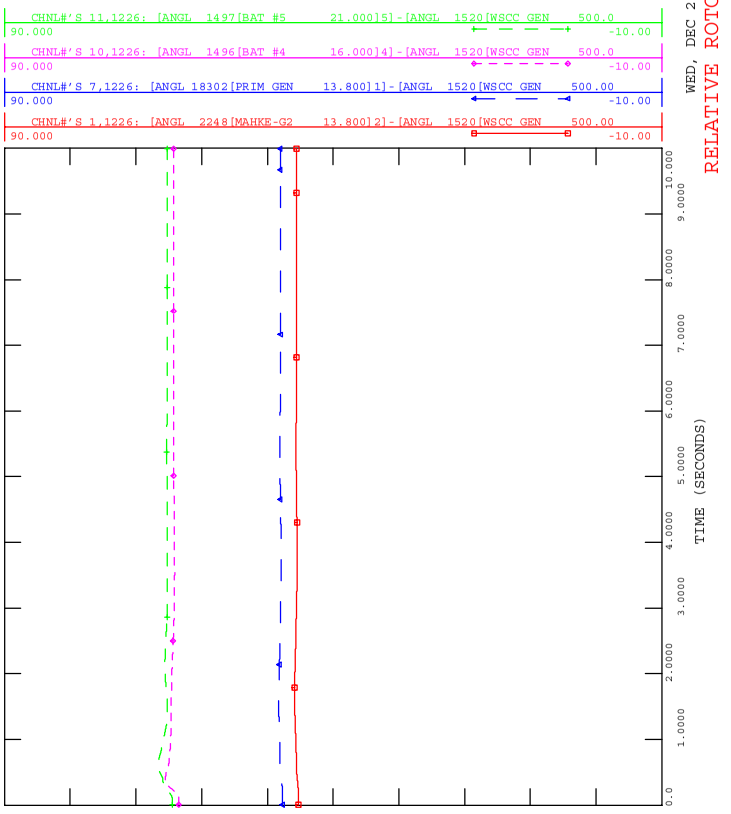


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

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RELATIVE ROTOR ANGLES

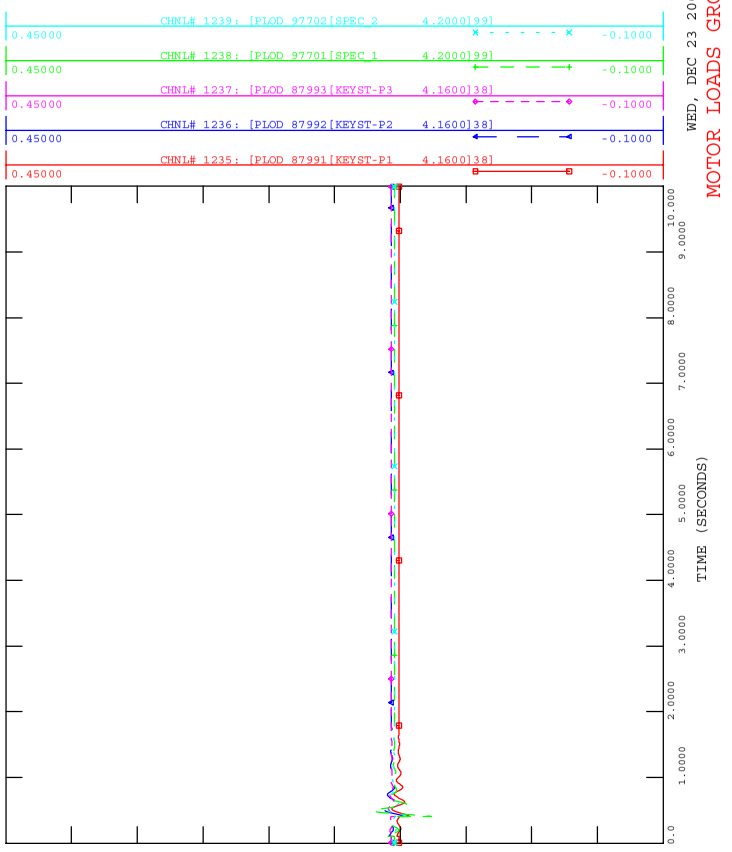


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

WED, DEC 23 2009 14:08

MOTOR LOADS GROUP II

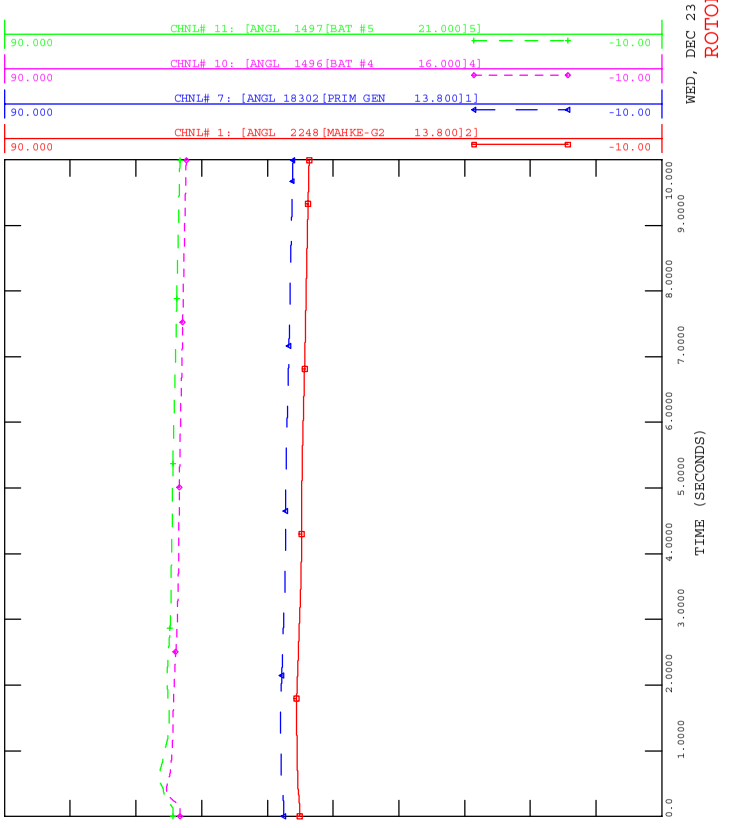


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

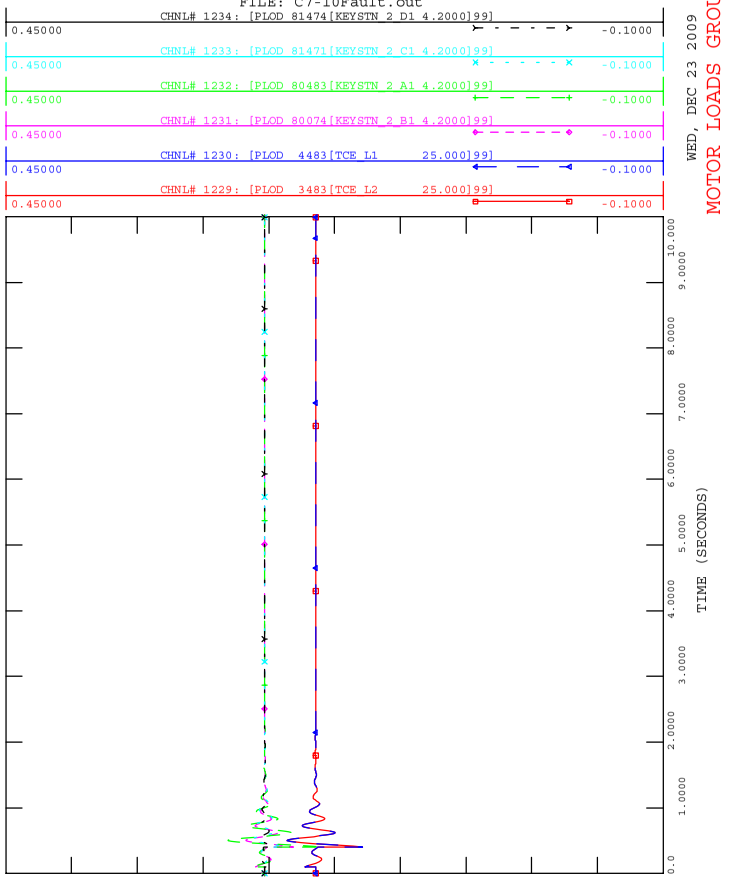


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-10Fault.out

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MOTOR LOADS GROUP I

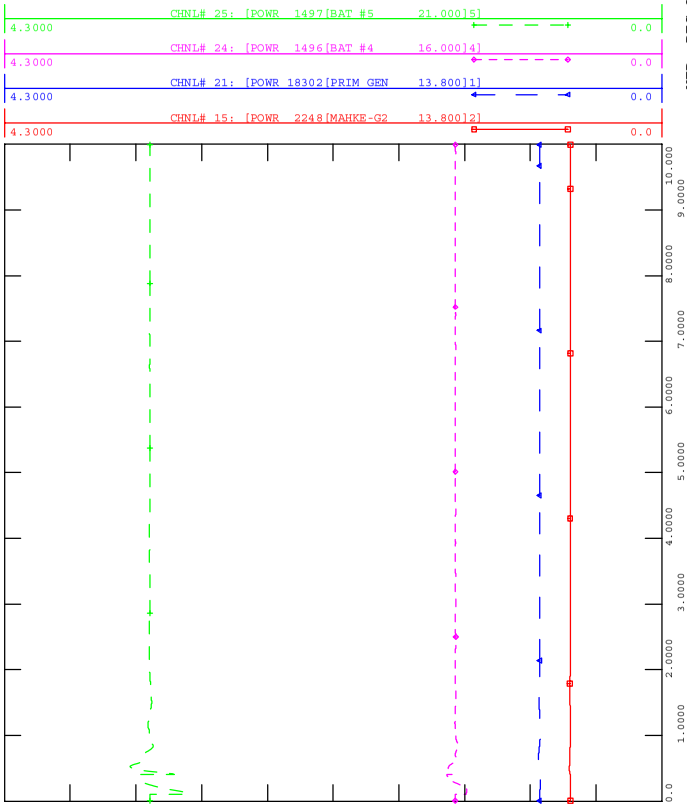


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE POWER

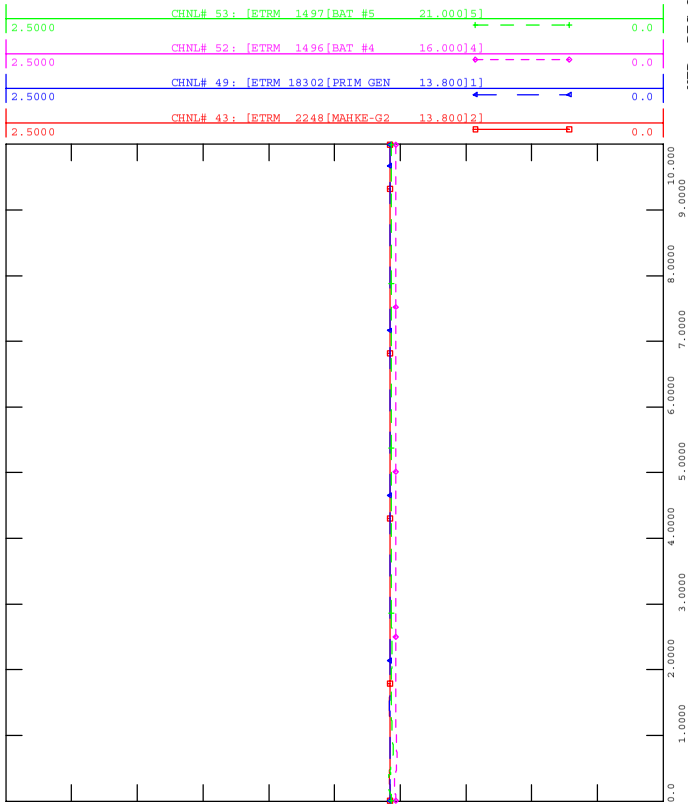


CENTRAL AREA STUDY
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MACHINE TERMINAL VOLTAGE

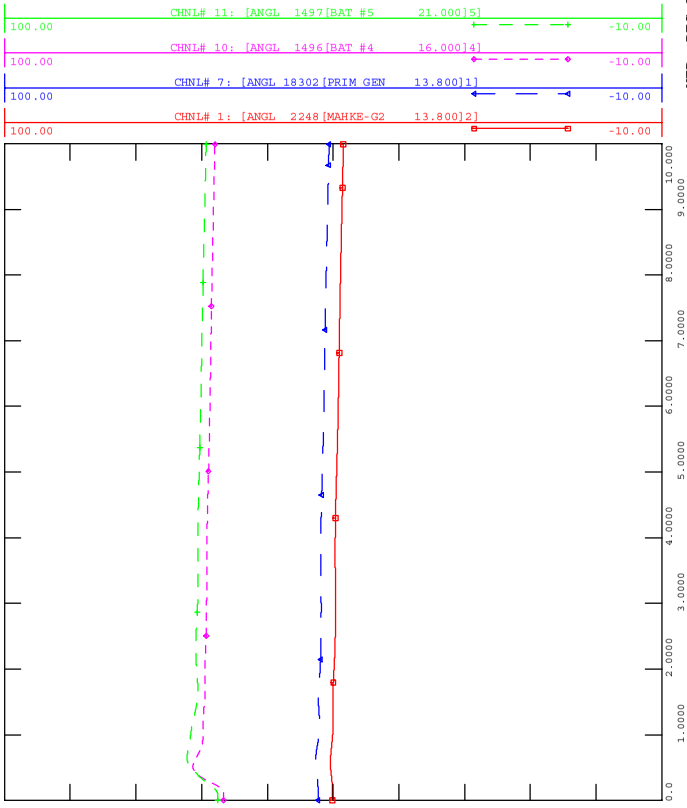


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

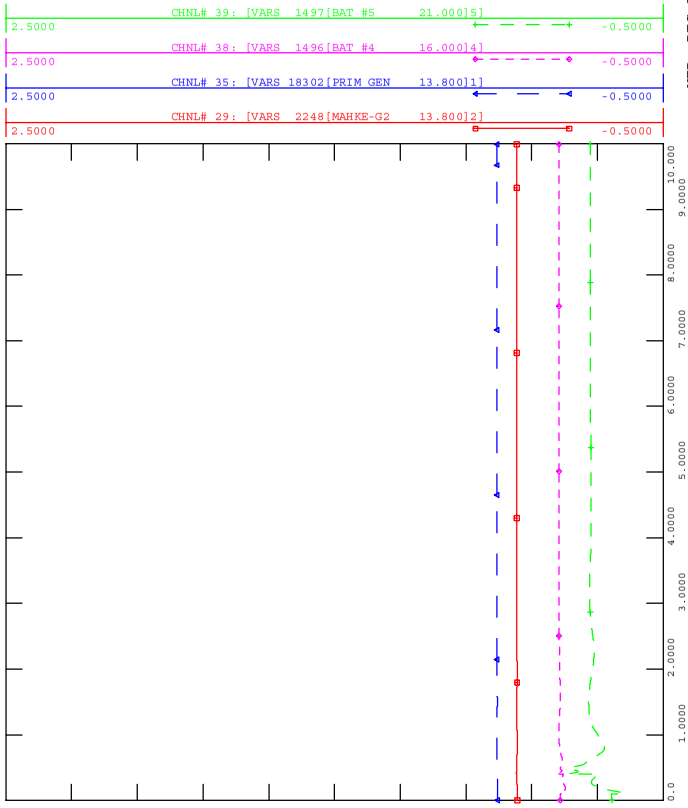


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

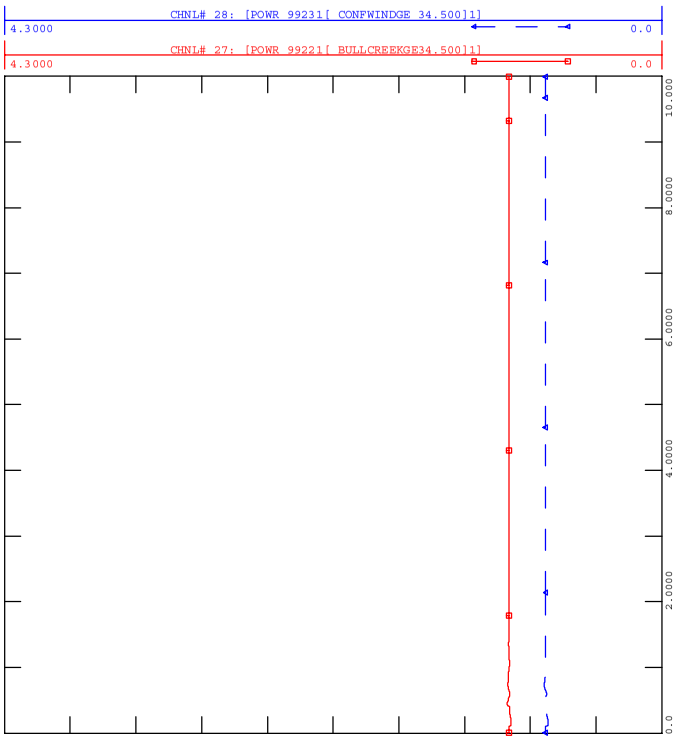


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

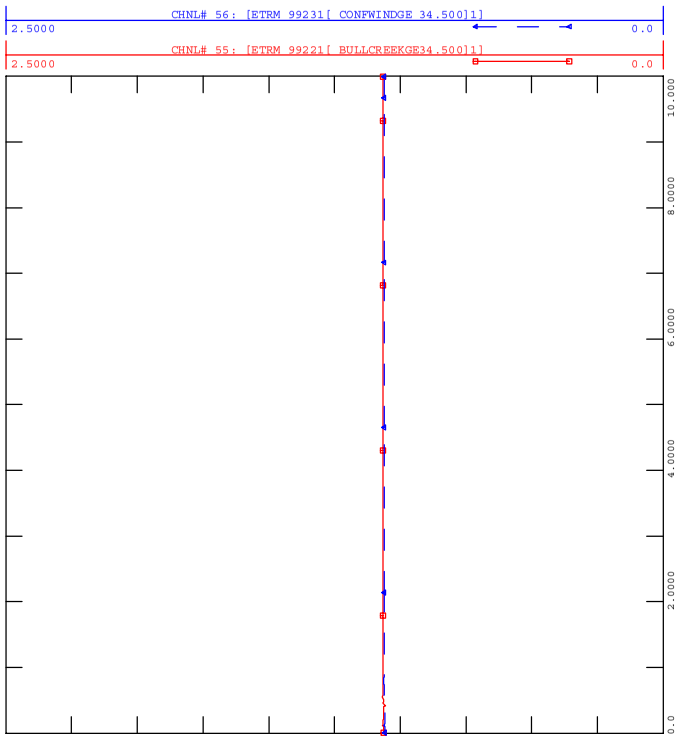


CENTRAL AREA STUDY
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WIND MACH. TERMINAL VOLTS

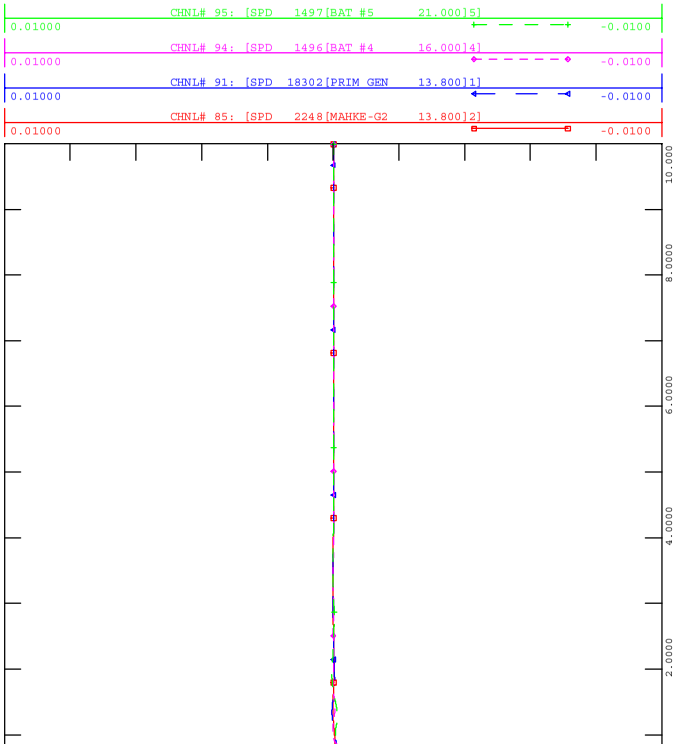


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

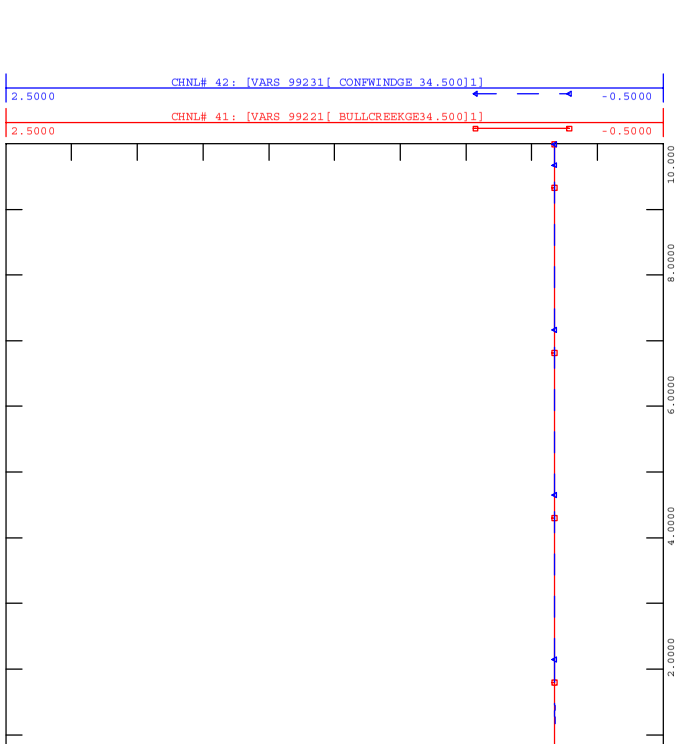


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WIND MACHINE VARS

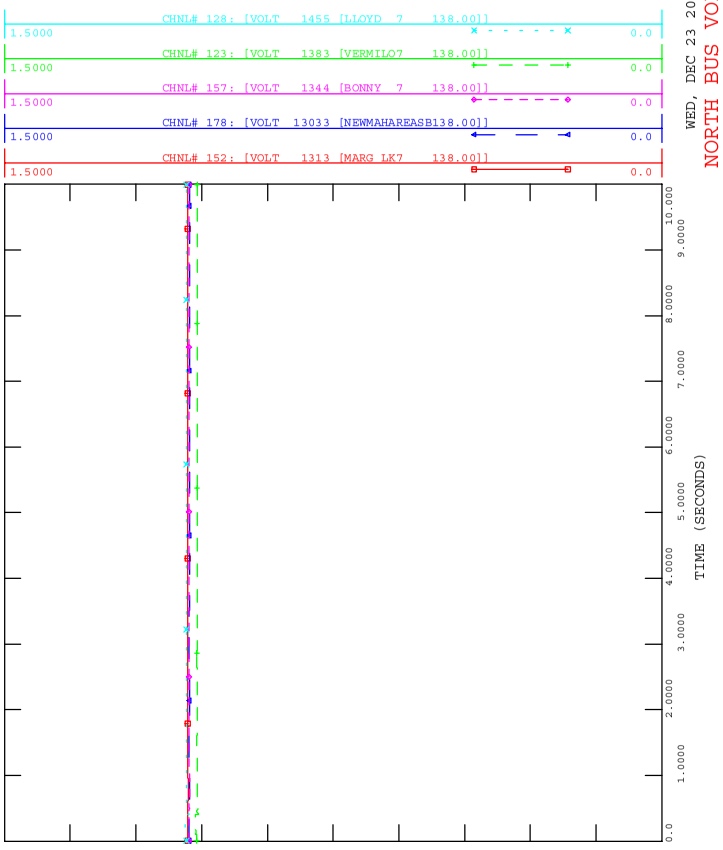


CENTRAL AREA STUDY
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NORTH BUS VOLTAGES

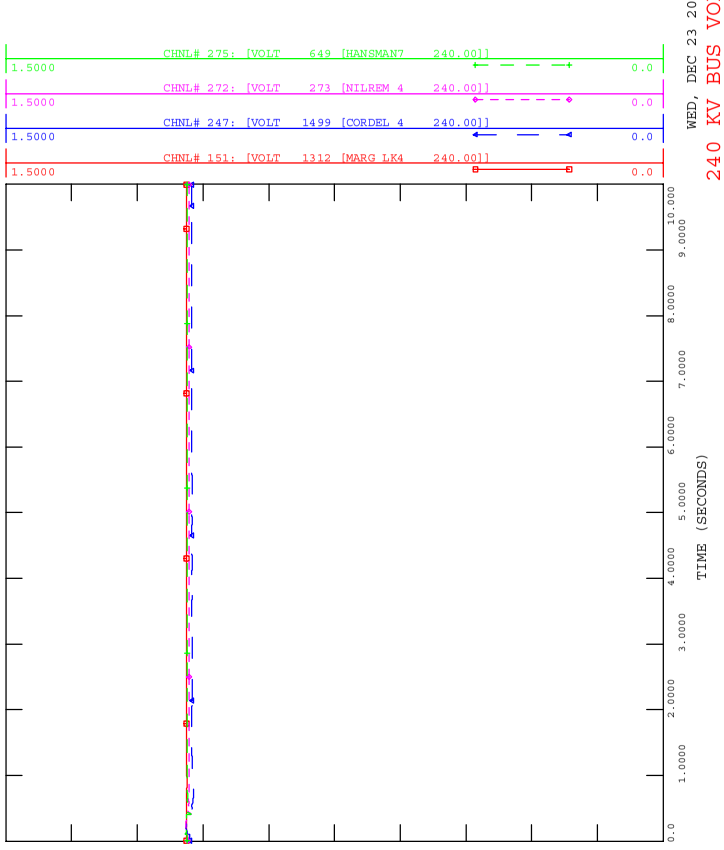


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

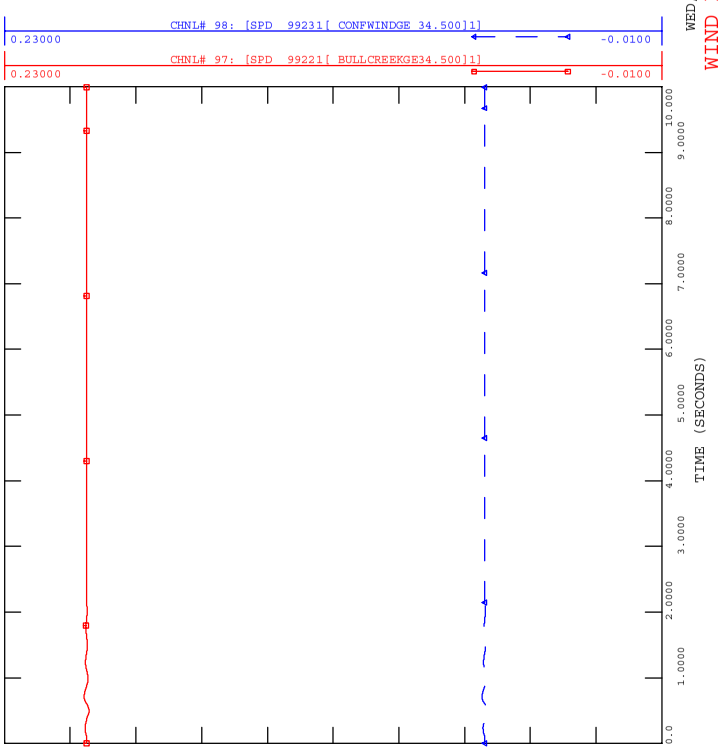


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

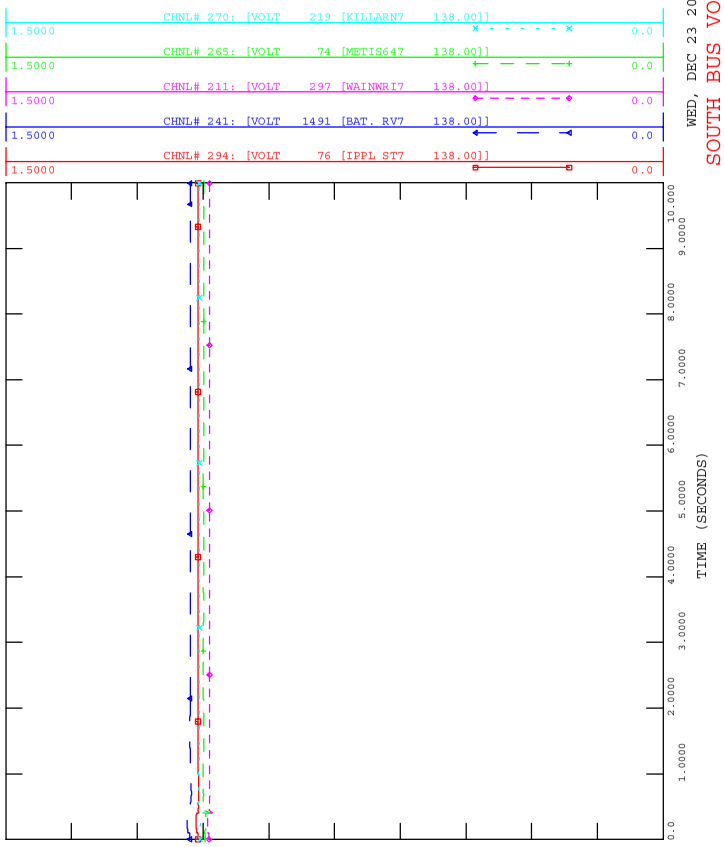


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH BUS VOLTAGES

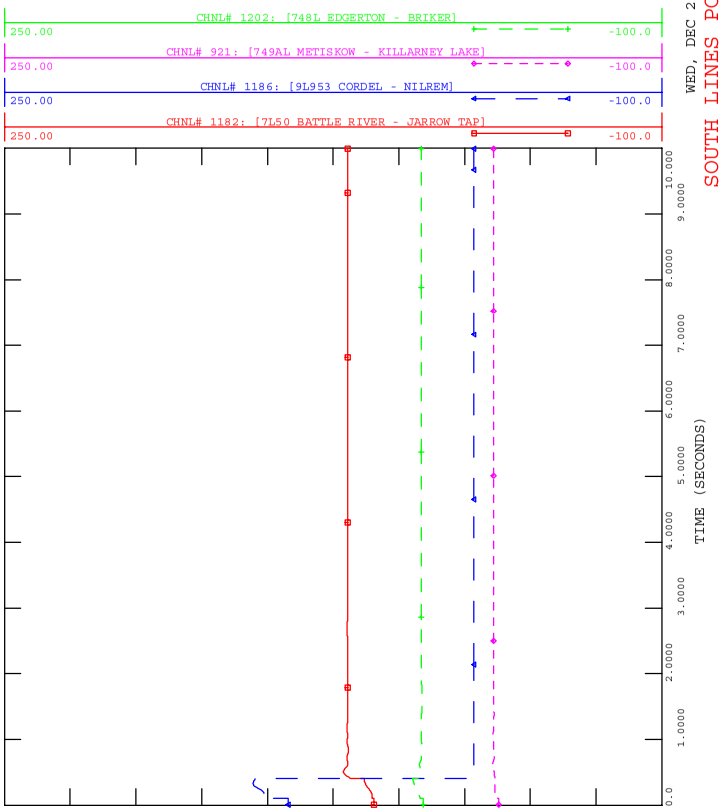


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

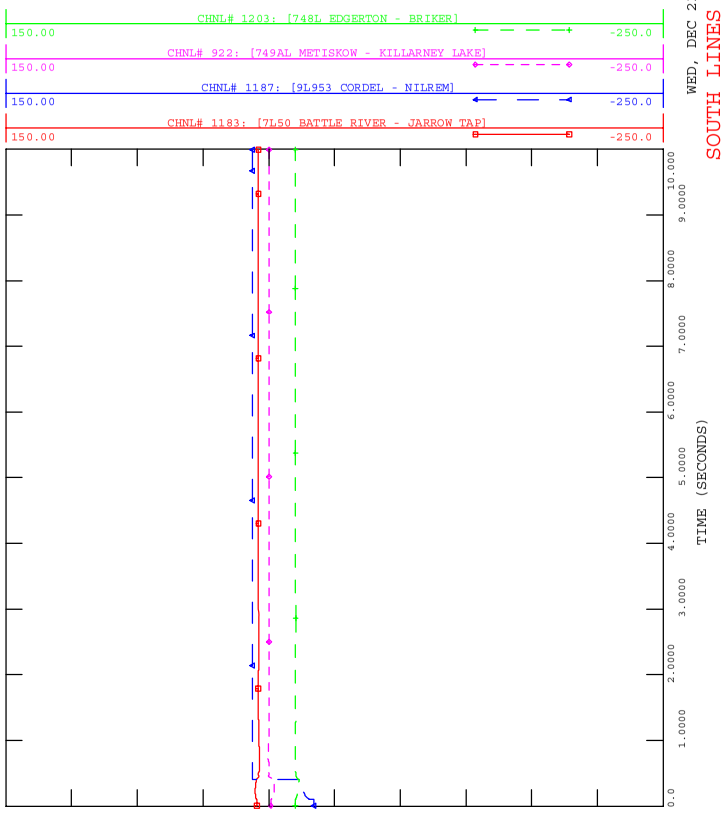


CENTRAL AREA STUDY
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SOUTH LINES VAR FLOW

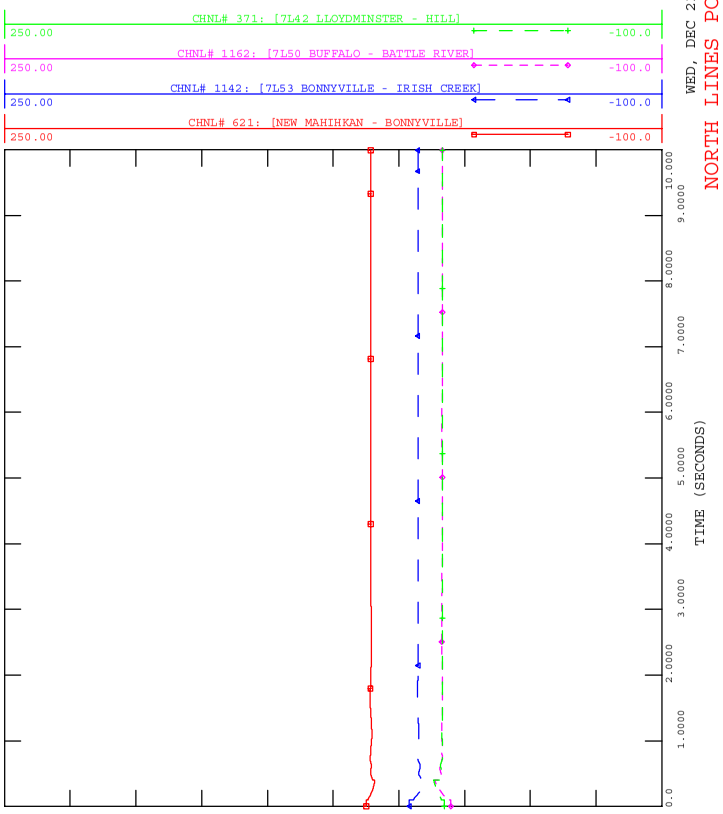


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

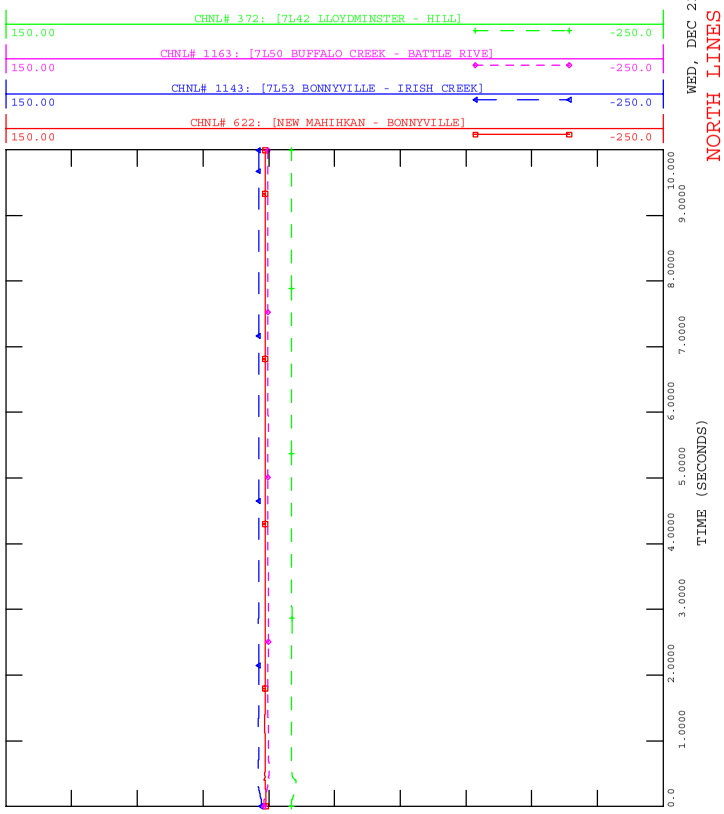


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

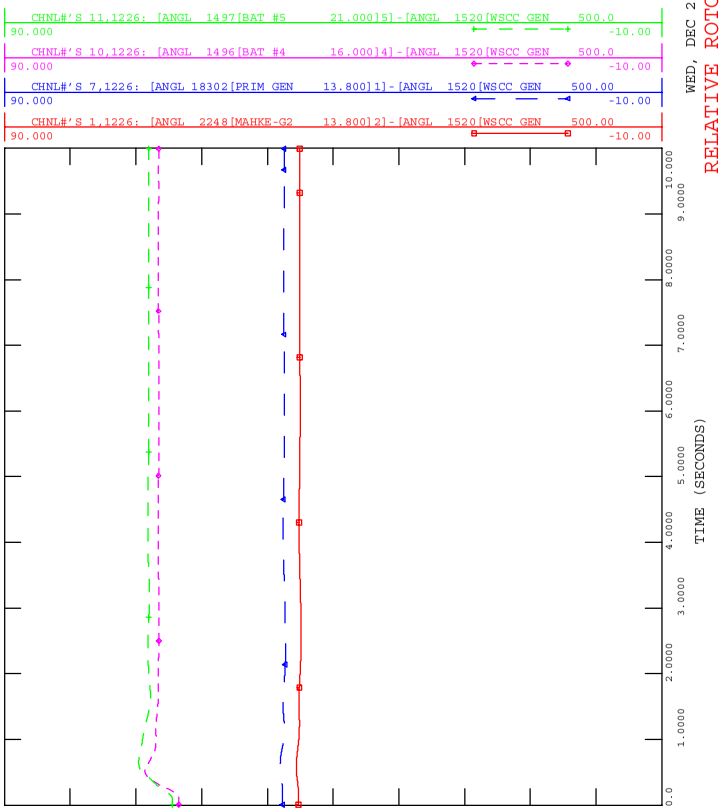


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

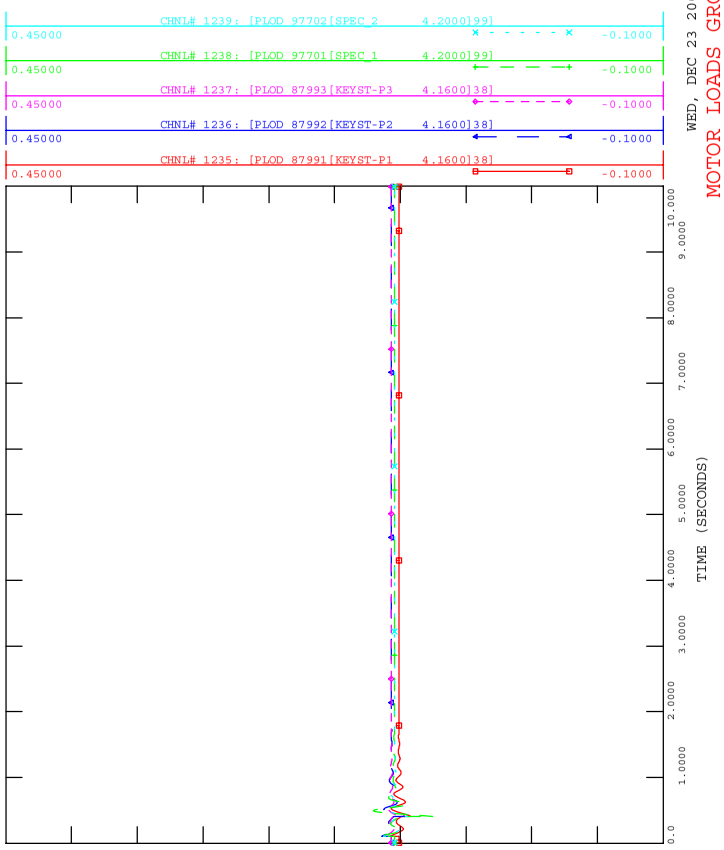


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-11Fault.out

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MOTOR LOADS GROUP II

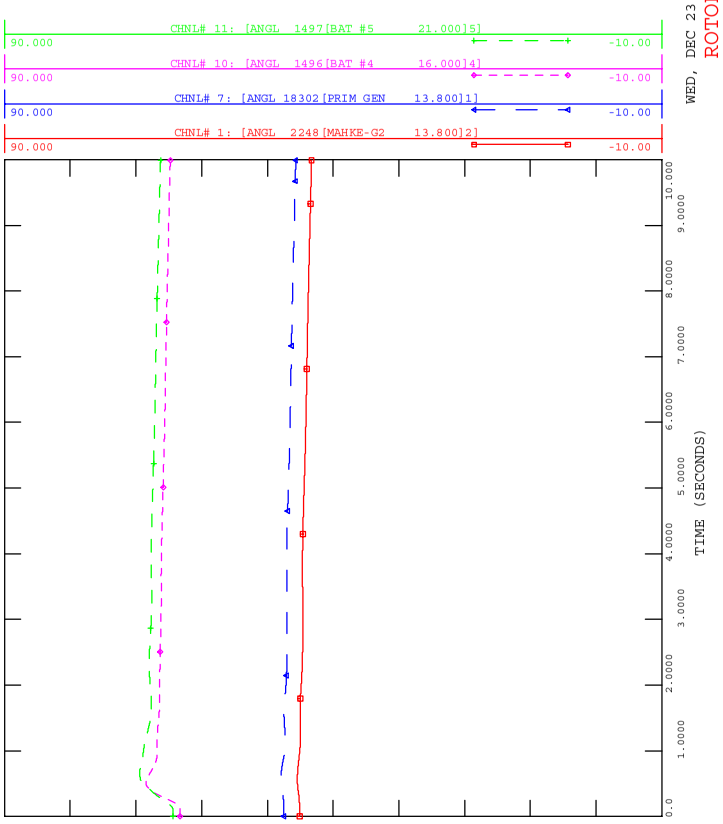


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

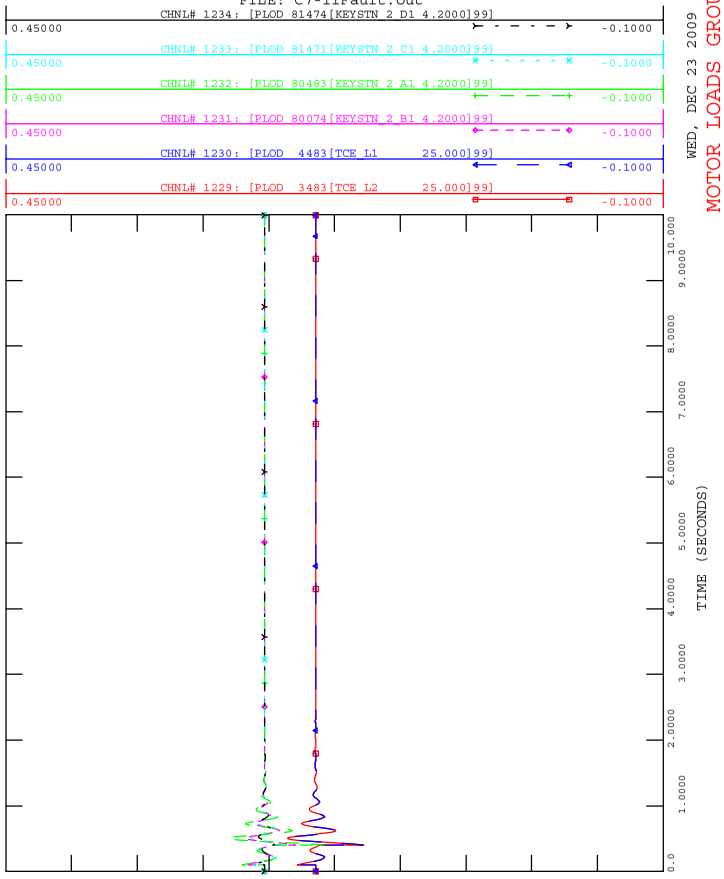


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-11Fault.out

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MOTOR LOADS GROUP I

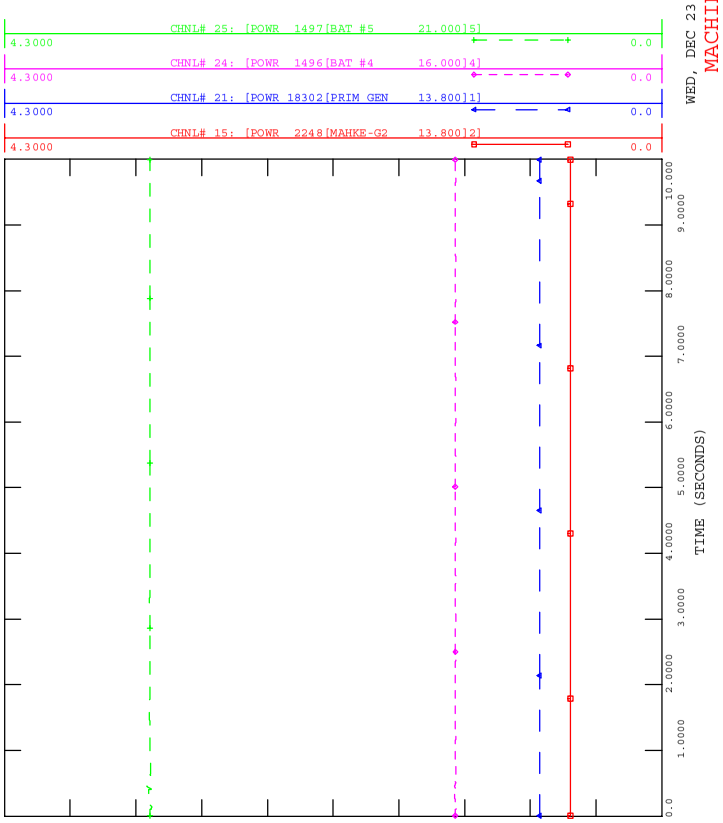


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

MACHINE POWER

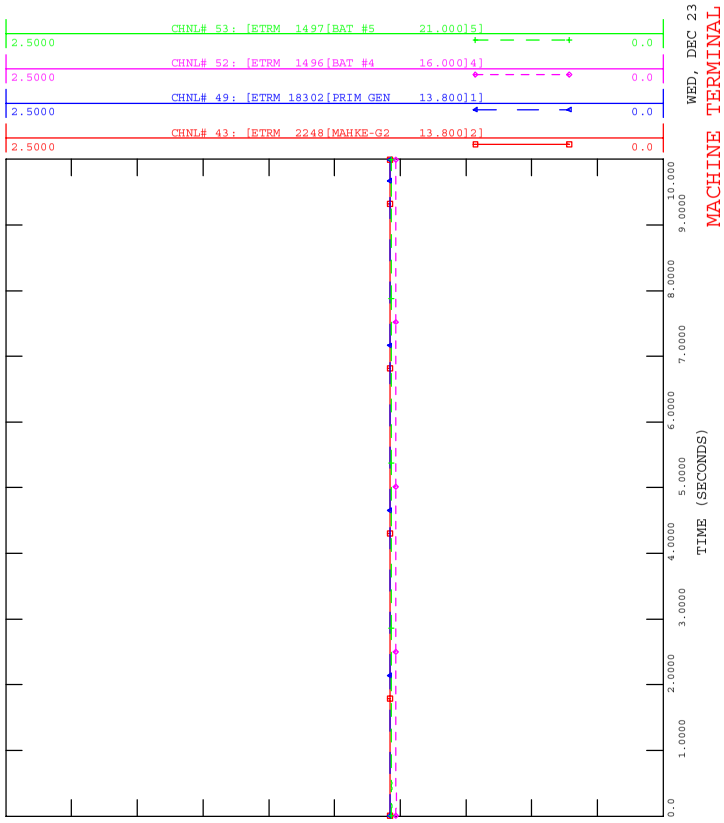


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

MACHINE TERMINAL VOLTAGE

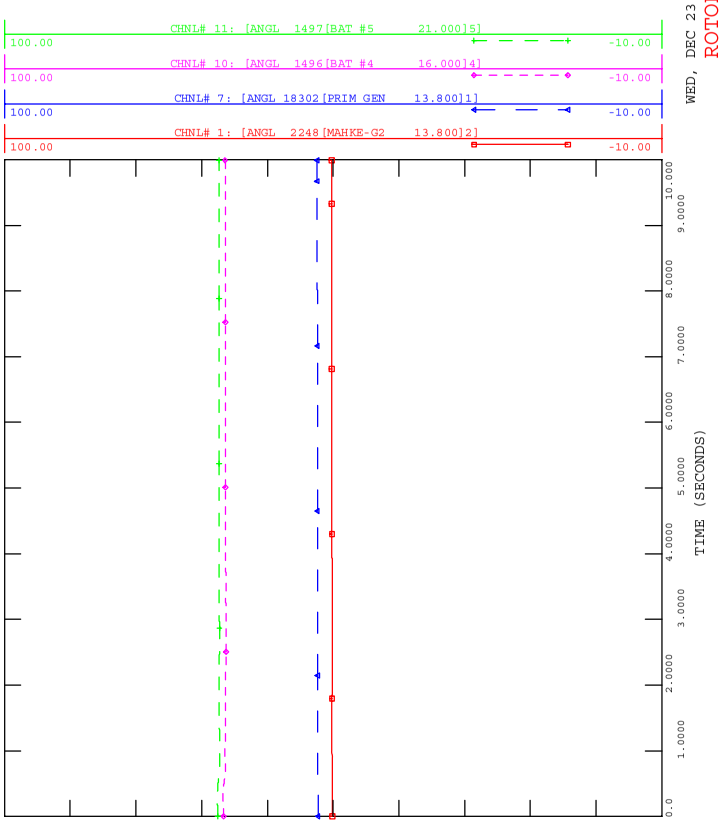


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

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ROTOR ANGLES

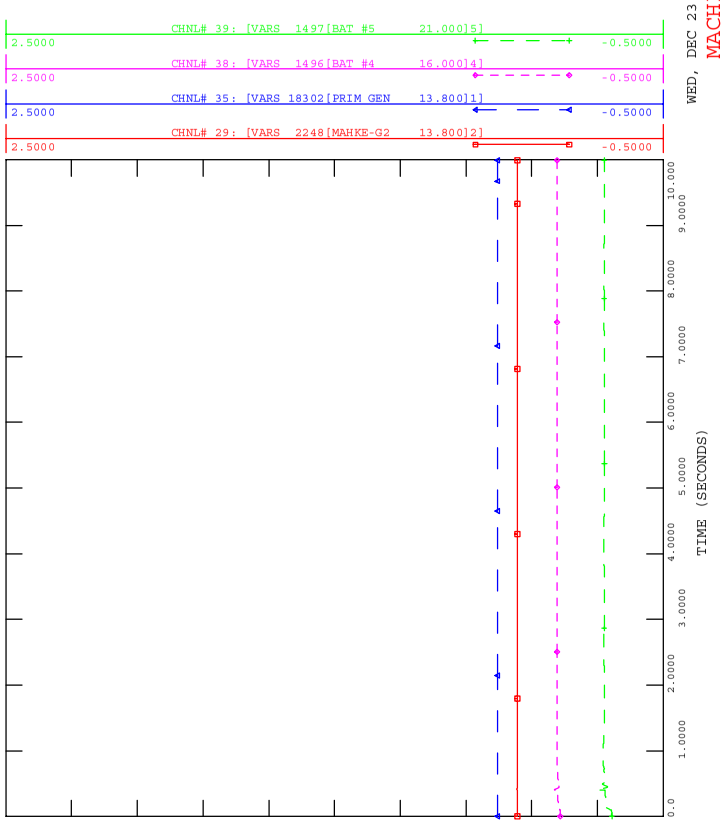


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

MACHINE VARS

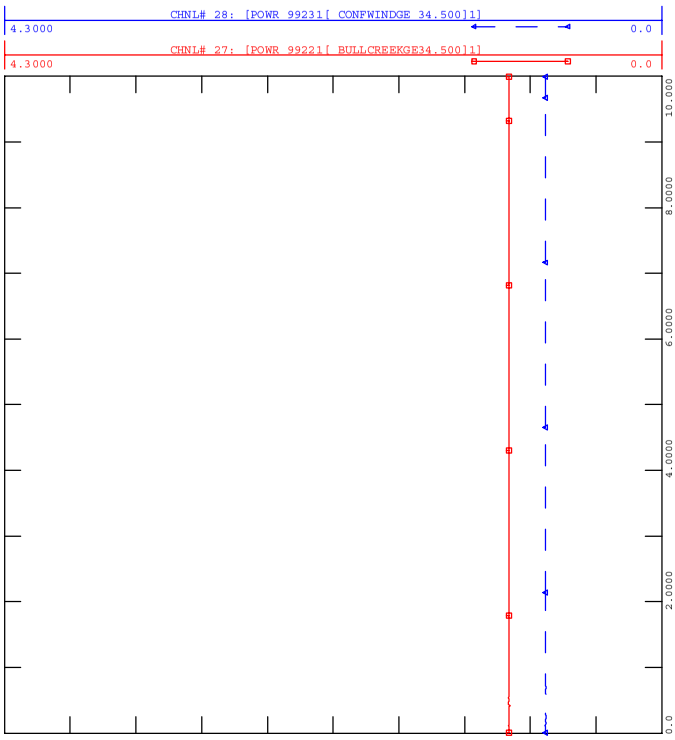


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

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WIND MACHINE POWER

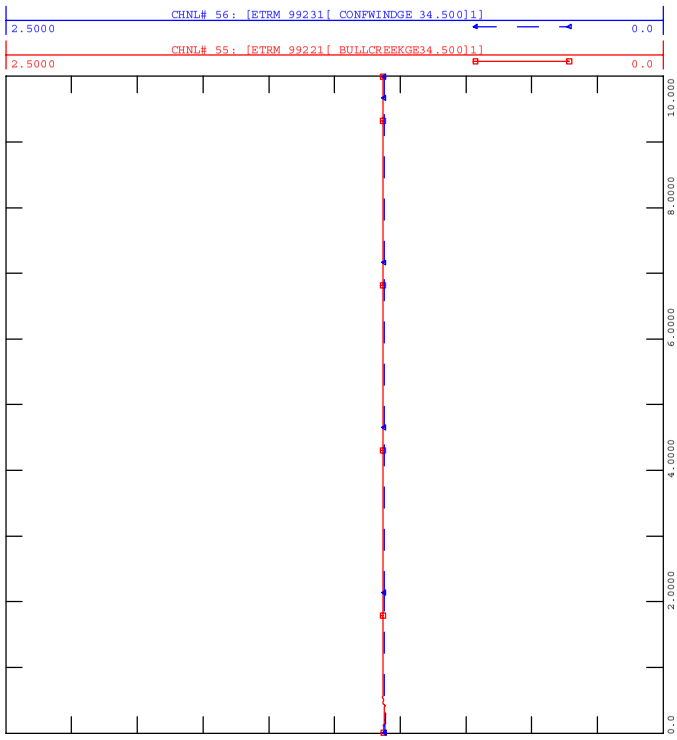


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

WIND MACH. TERMINAL VOLTS

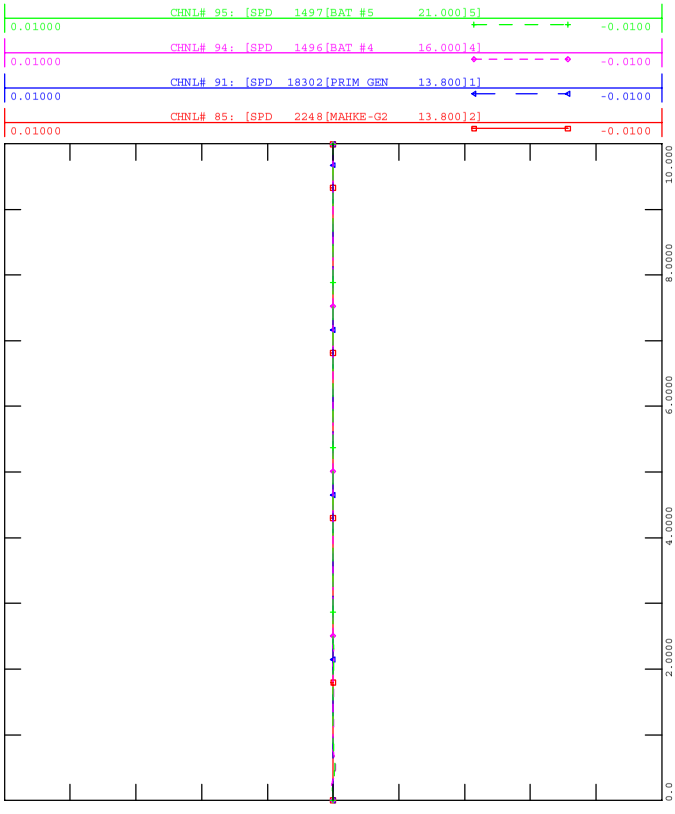


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

MACHINE SPEED

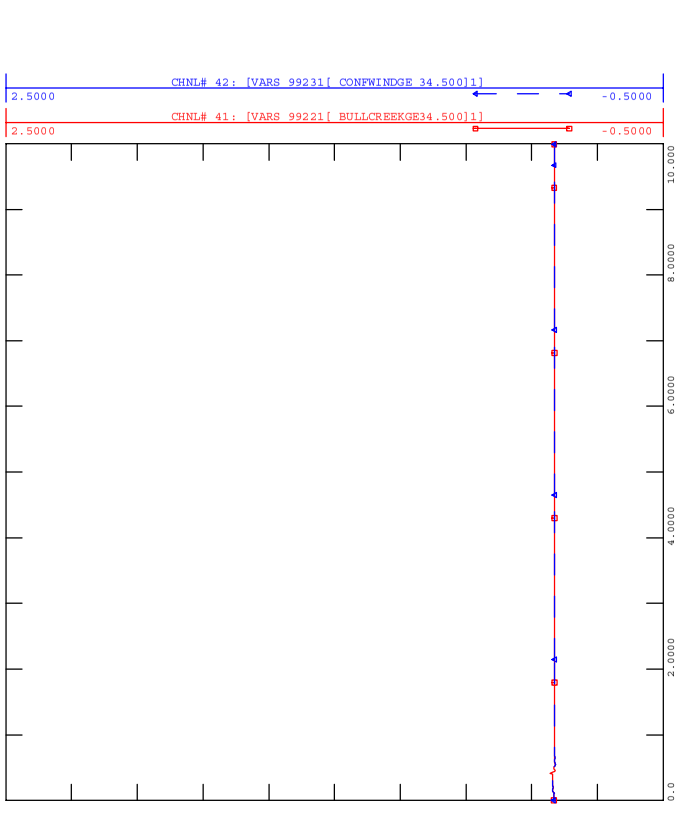


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

WIND MACHINE VARS

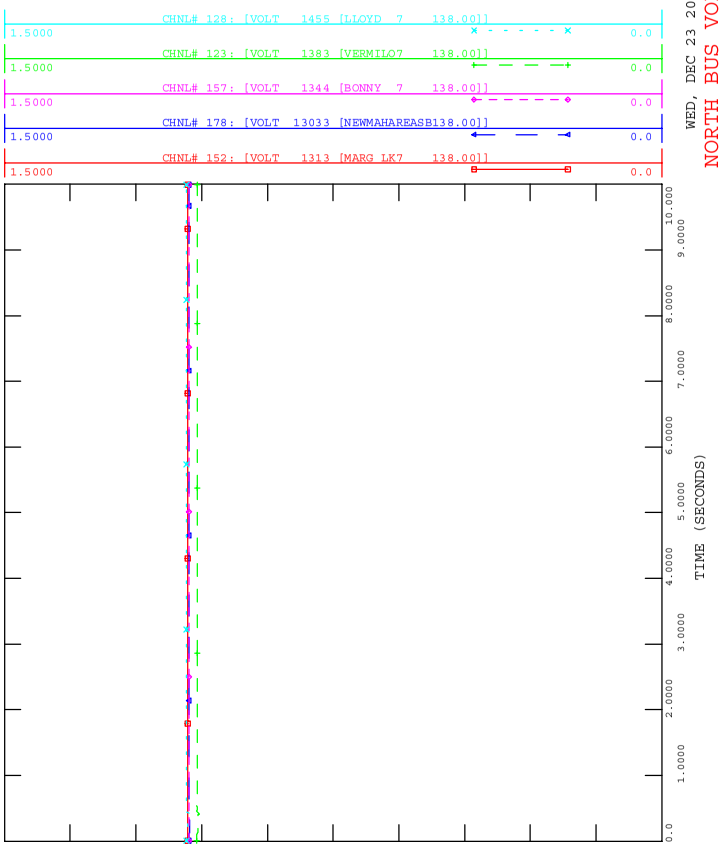


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

NORTH BUS VOLTAGES

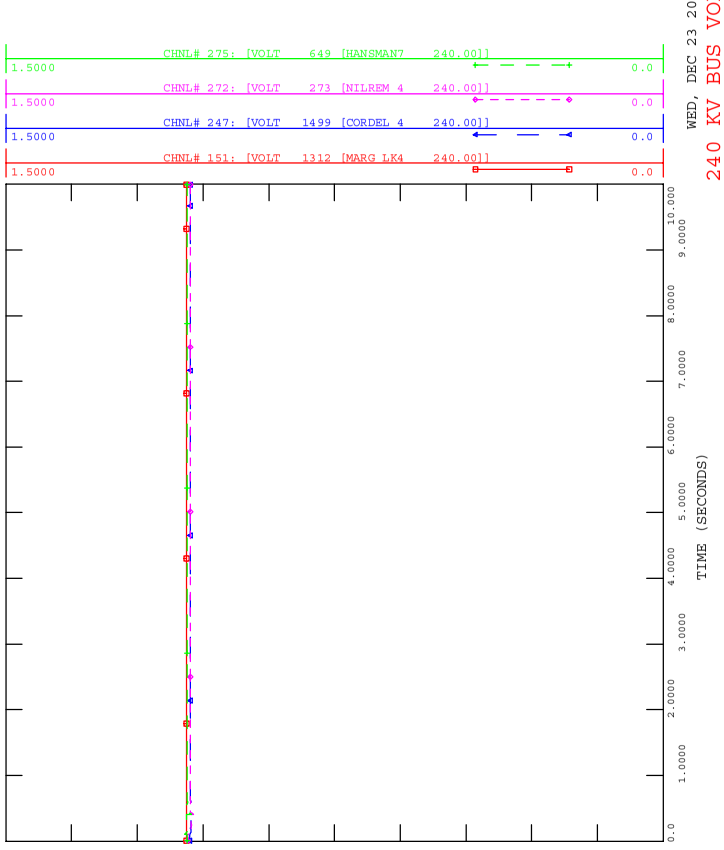


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:08

240 KV BUS VOLTAGES

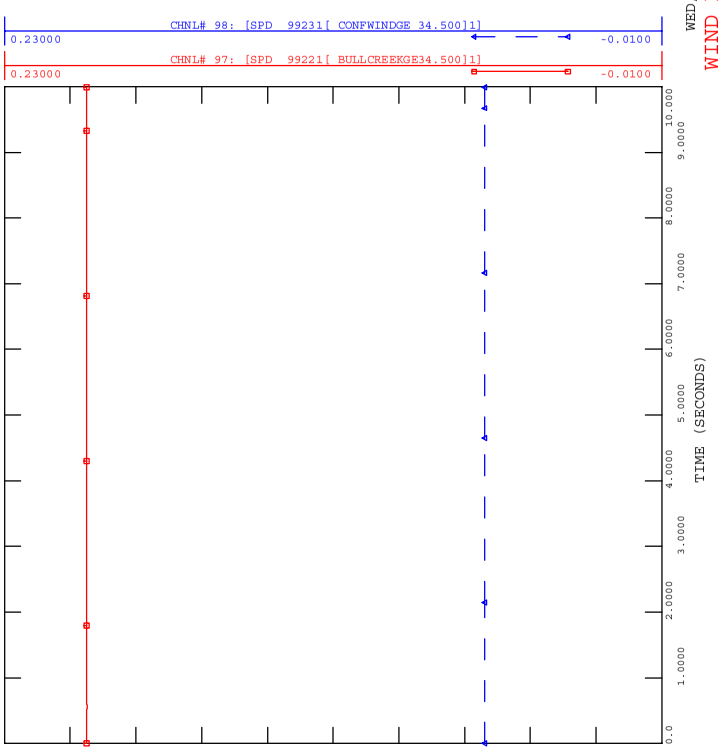


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

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WIND MACHINE SPEED

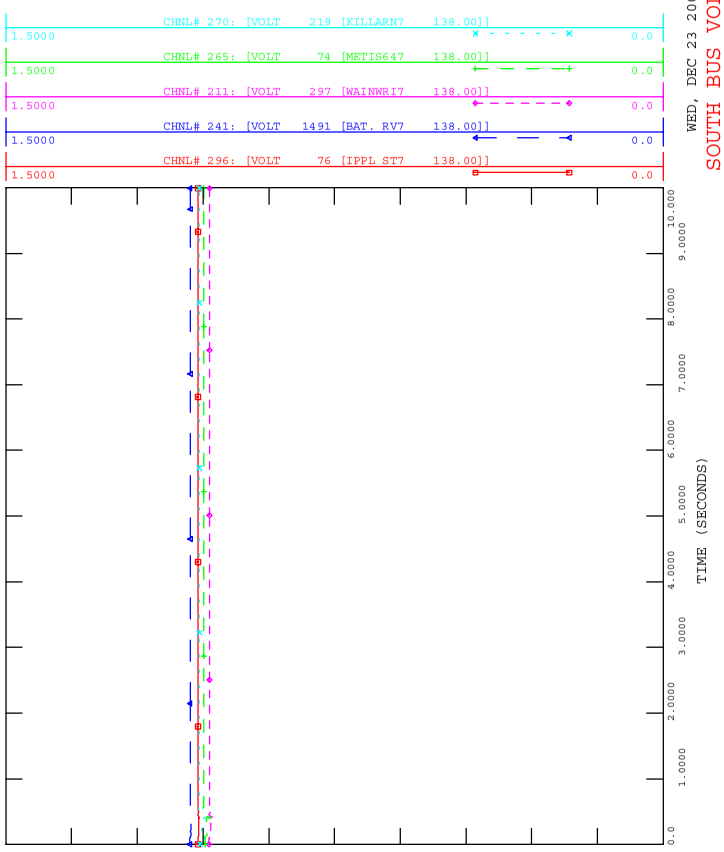


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH BUS VOLTAGES

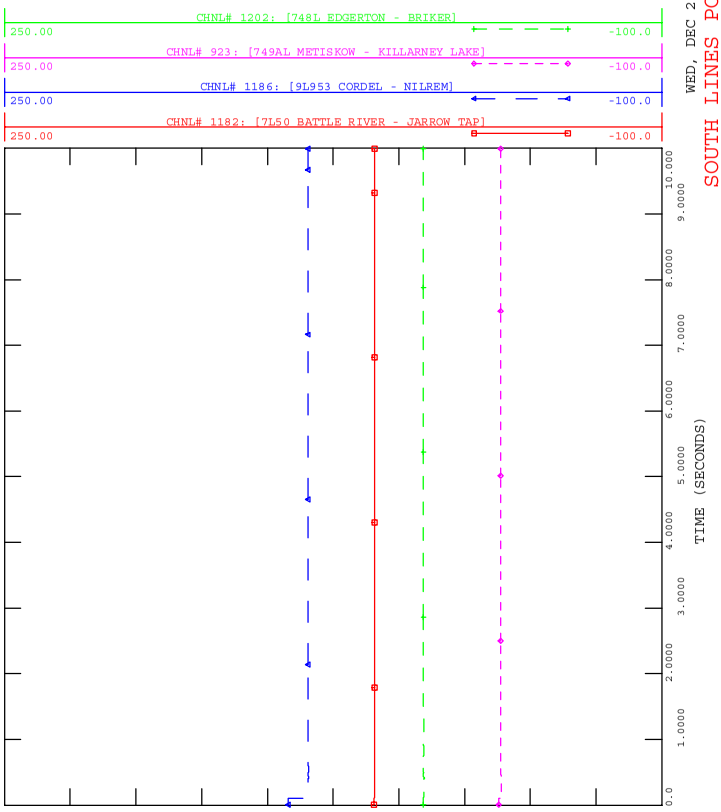


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

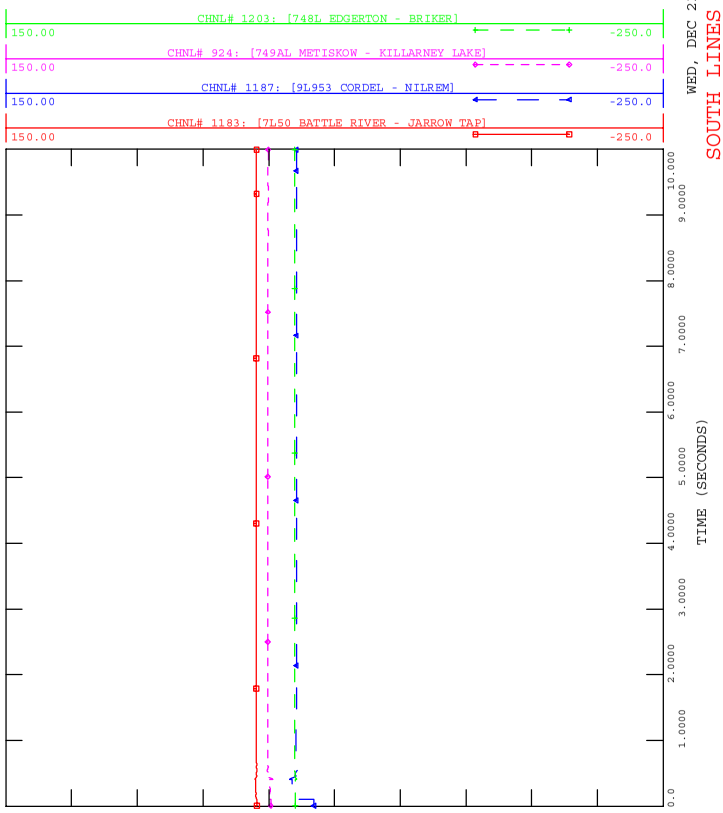


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES VAR FLOW

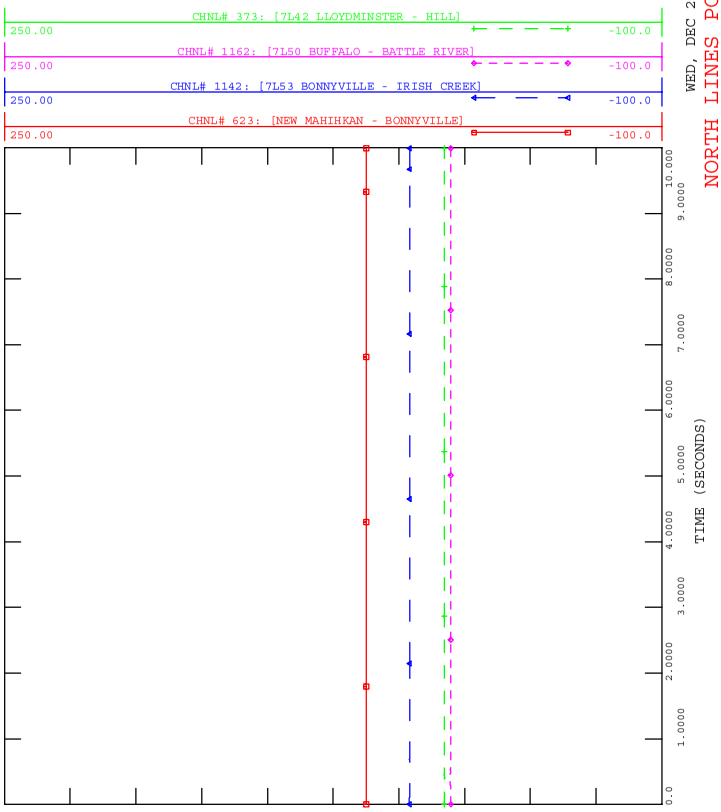


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

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NORTH LINES POWER FLOW

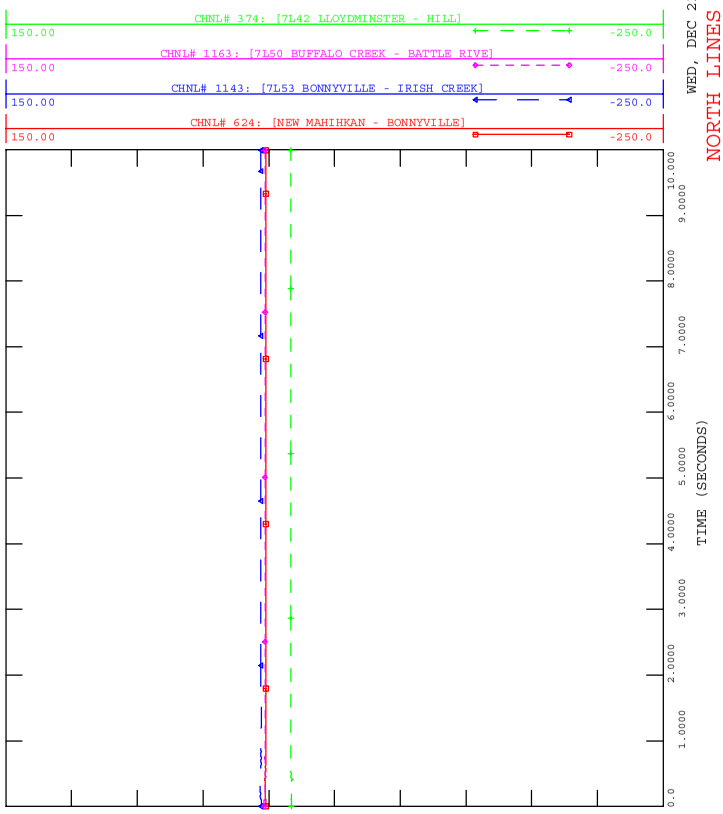


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

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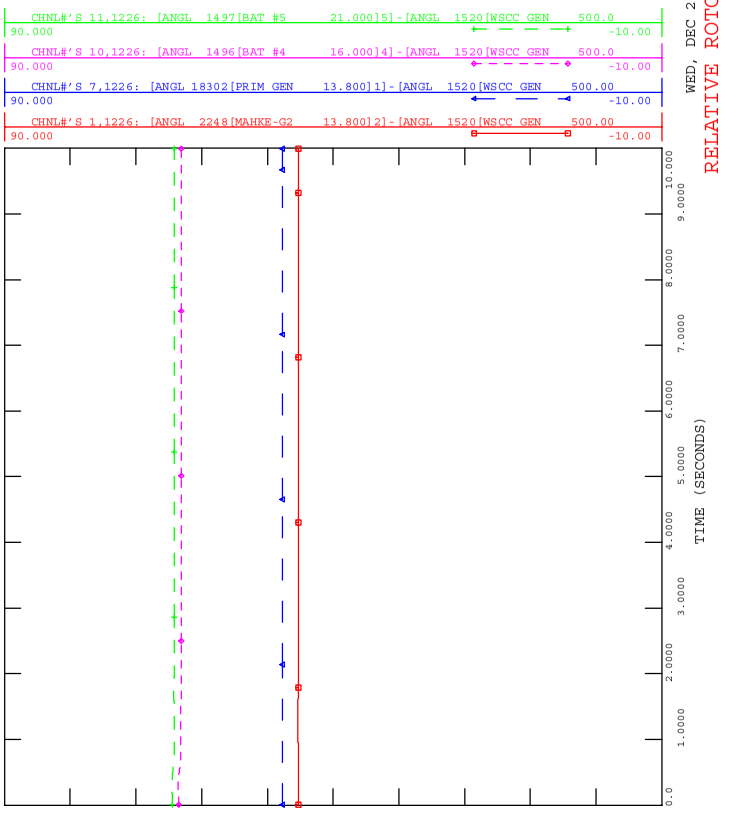


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

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RELATIVE ROTOR ANGLES

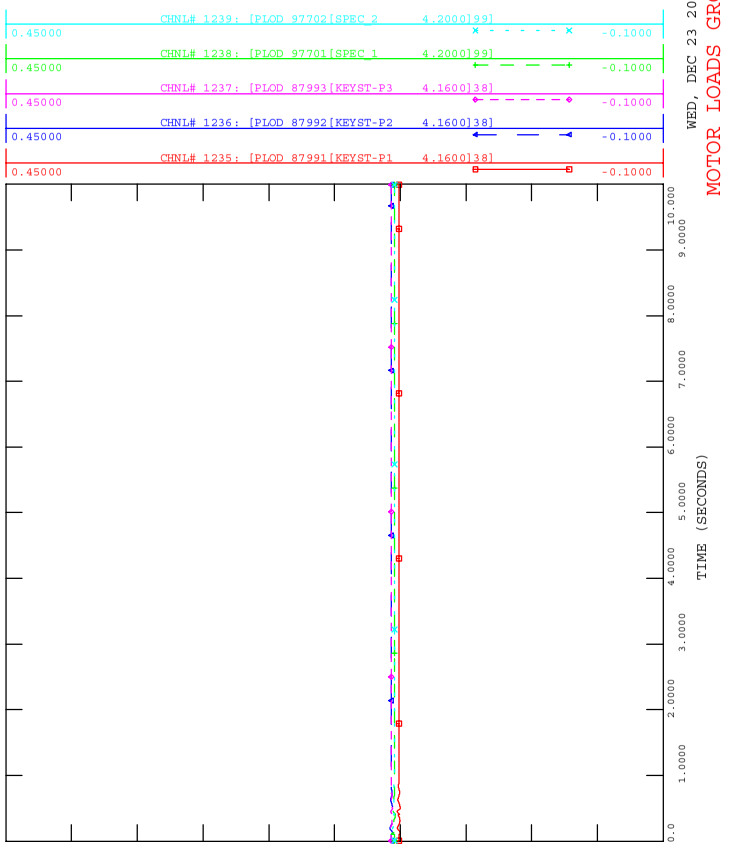


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-12Fault.out

WED, DEC 23 2009 14:09

MOTOR LOADS GROUP II

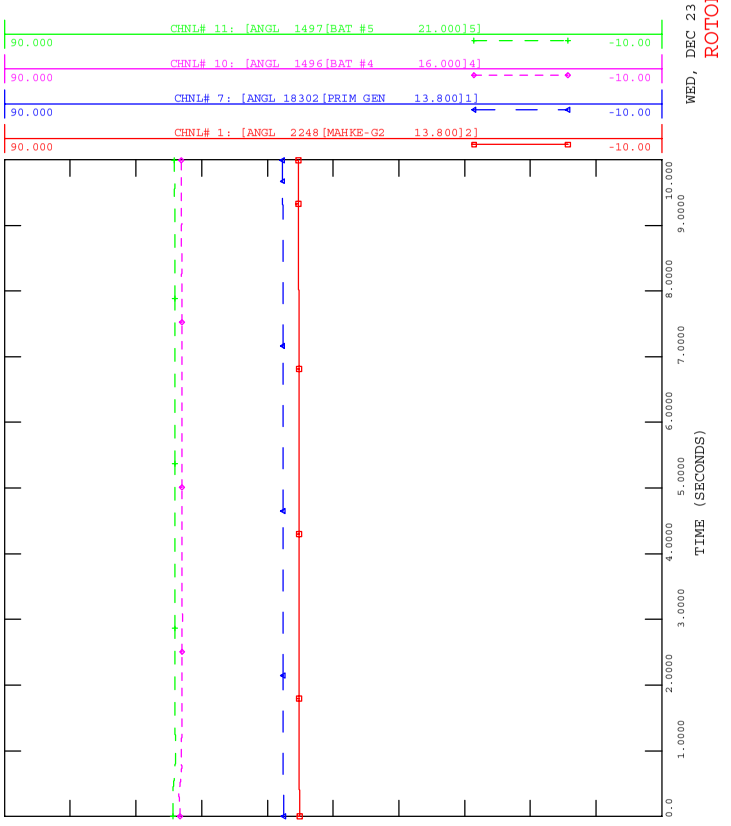


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

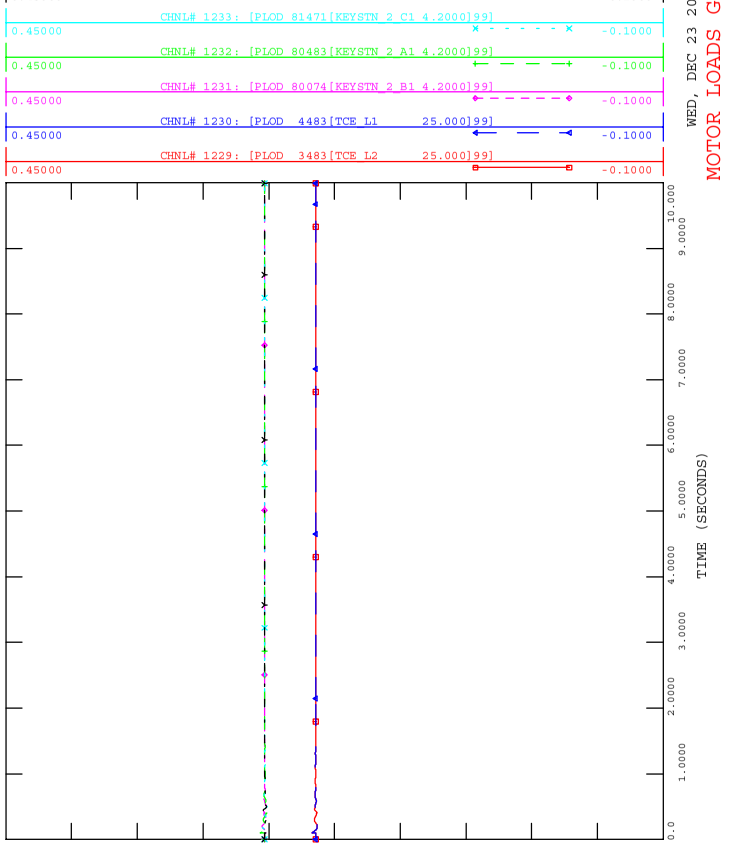


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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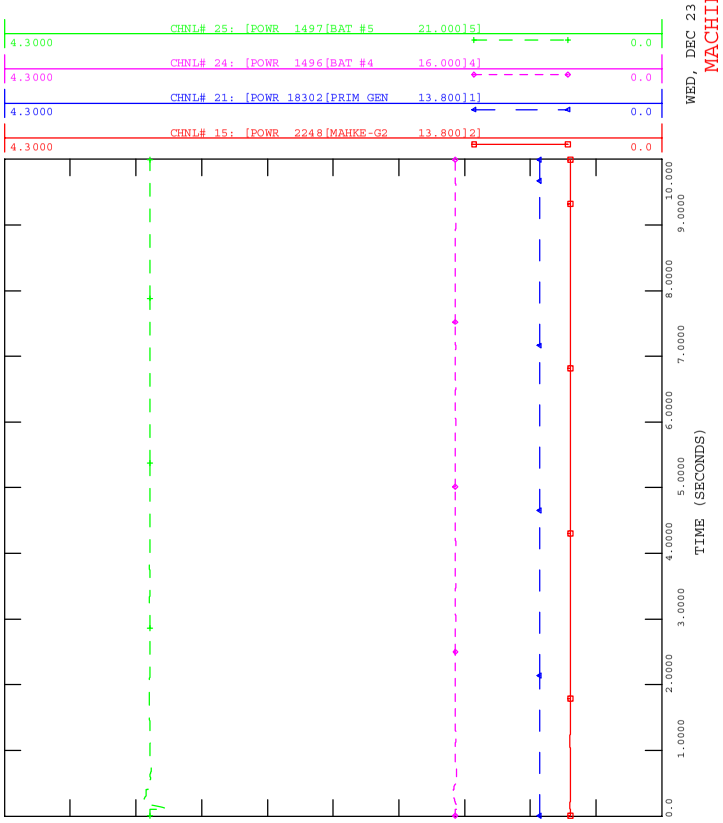
WED, DEC 23 2009 14:08

MOTOR LOADS GROUP I



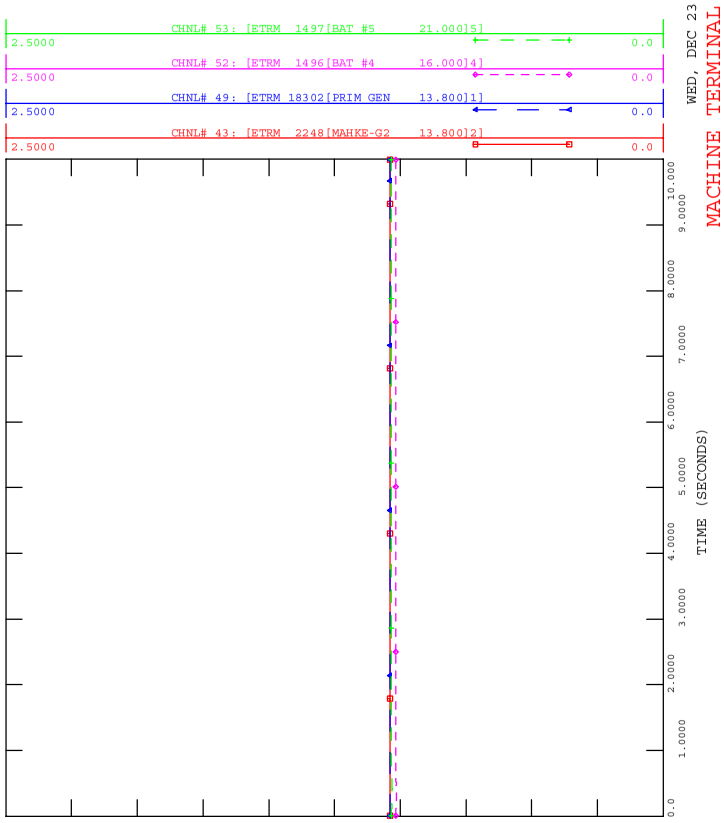
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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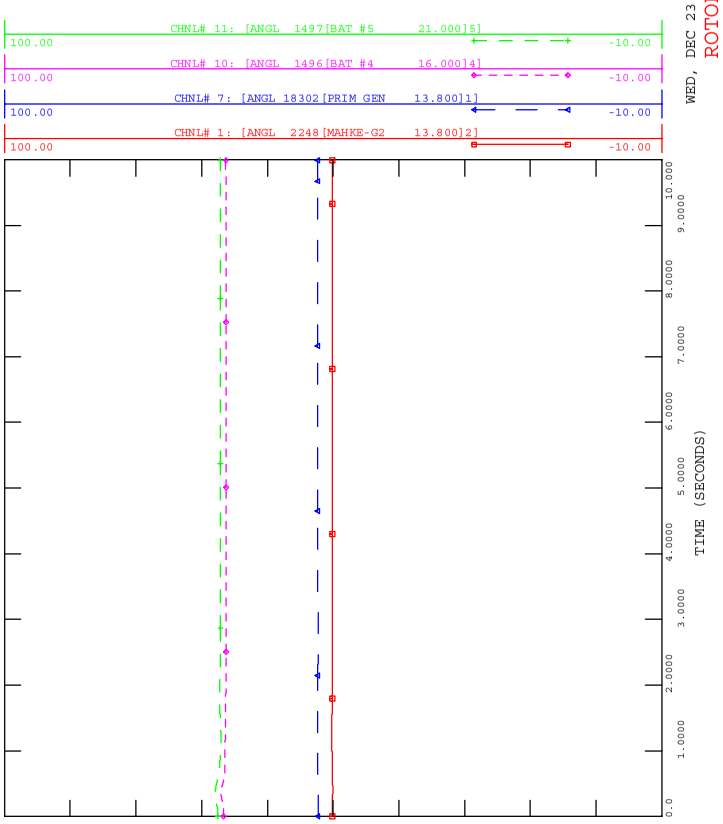
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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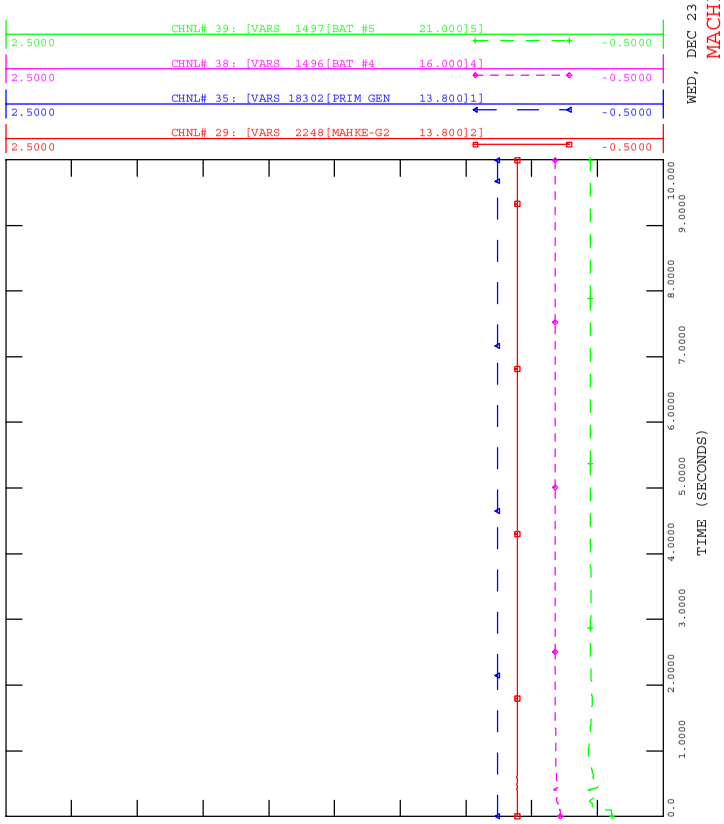
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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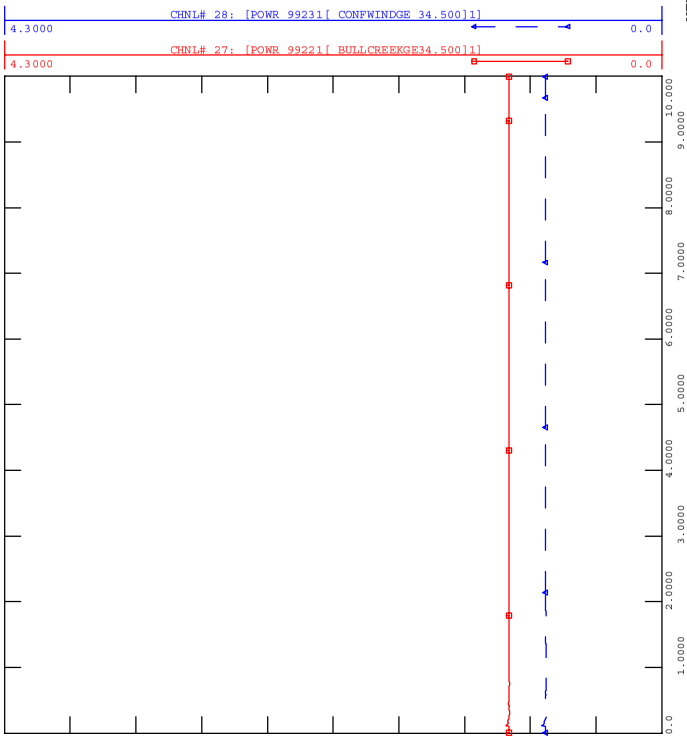


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

WED, DEC 23 2009 14:09

WIND MACHINE POWER

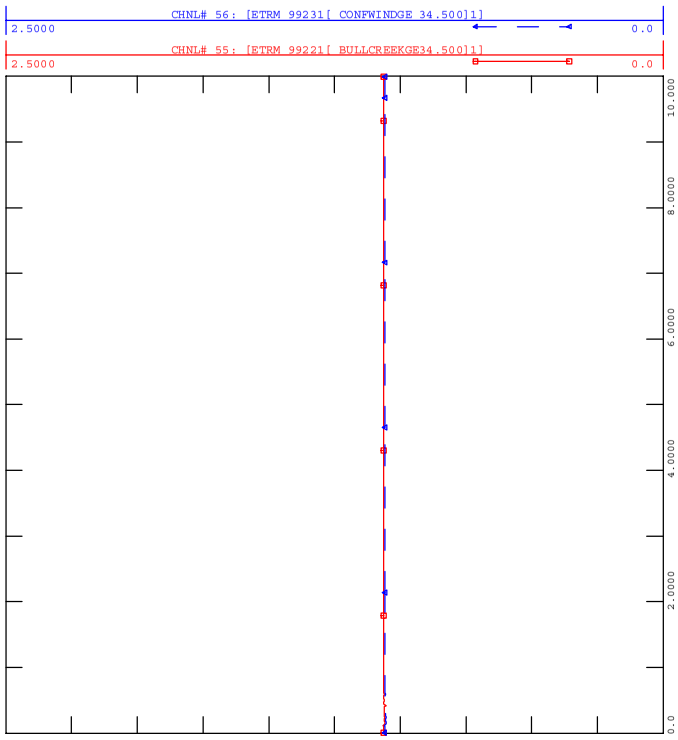


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

WED, DEC 23 2009 14:09

WIND MACH. TERMINAL VOLTS

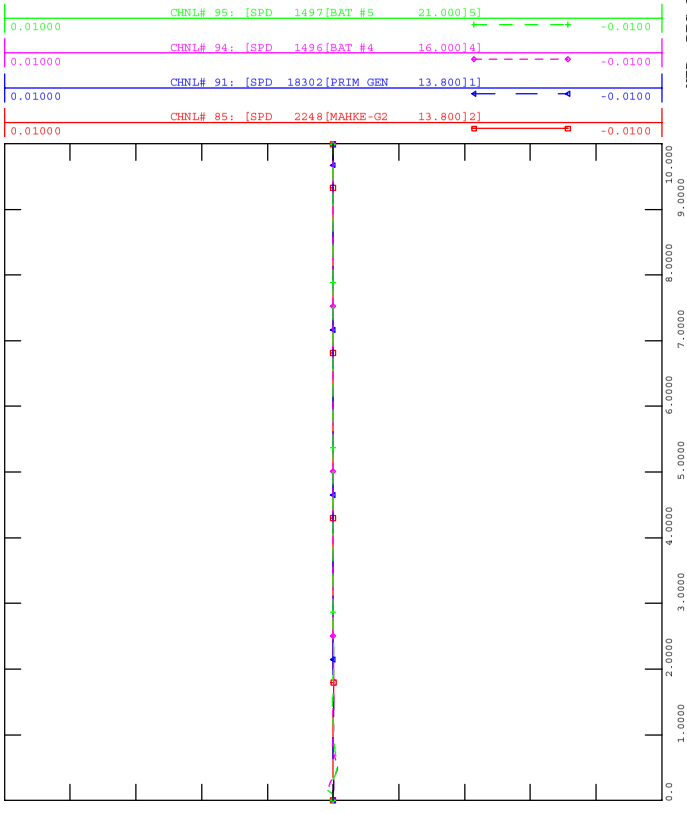


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

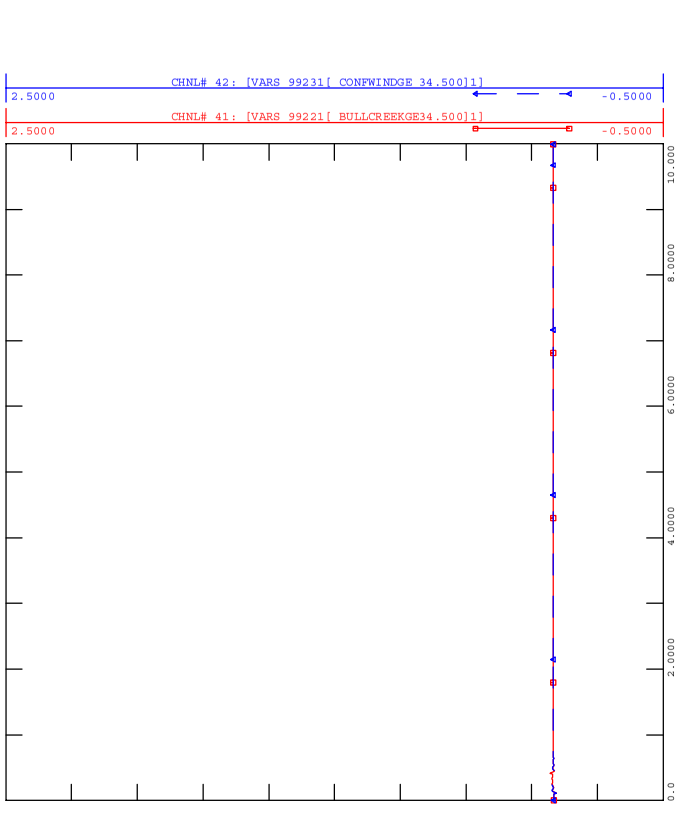


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:09

WIND MACHINE VARS

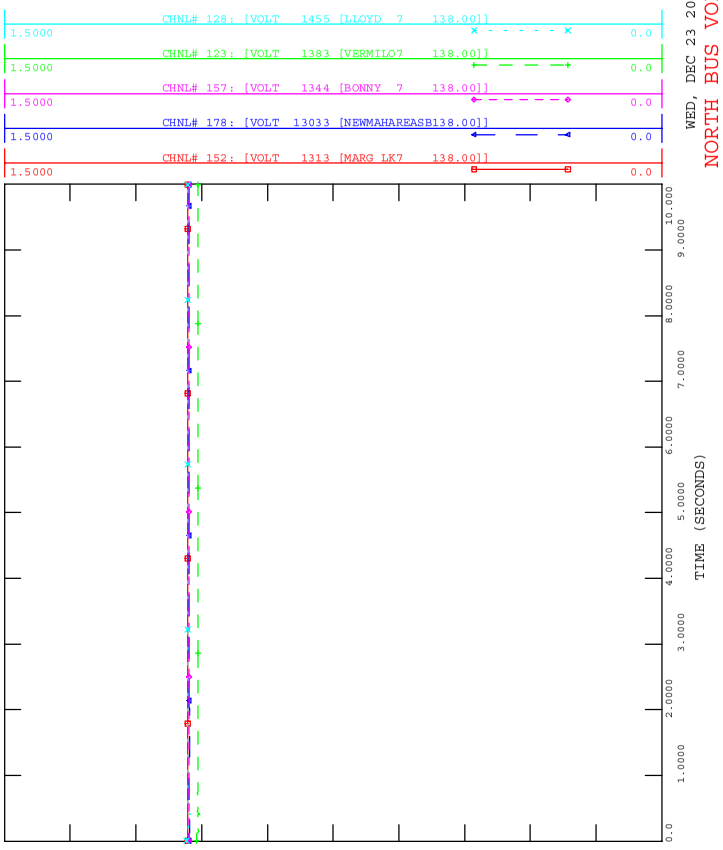


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

WED, DEC 23 2009 14:09

NORTH BUS VOLTAGES

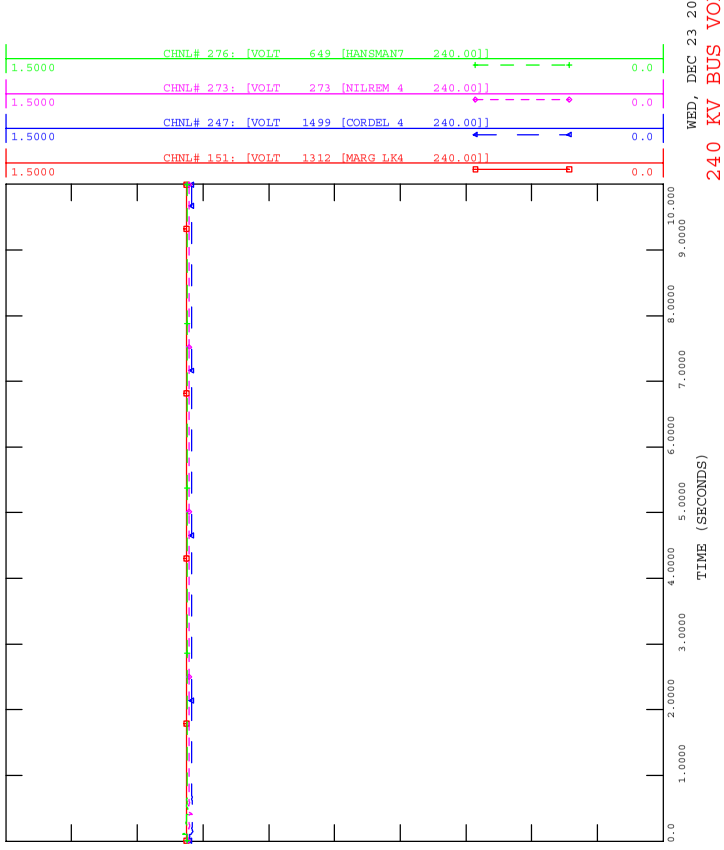


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

WED, DEC 23 2009 14:09

240 KV BUS VOLTAGES

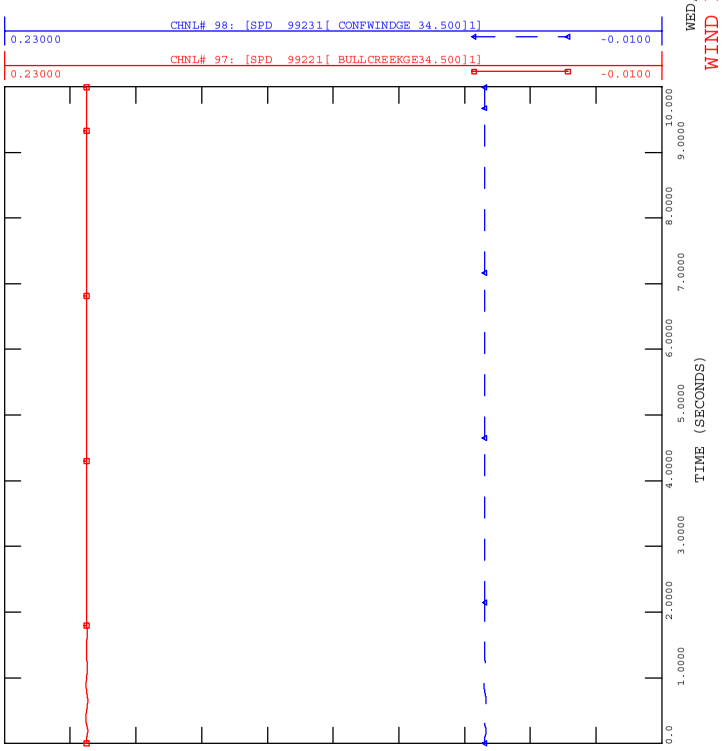


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

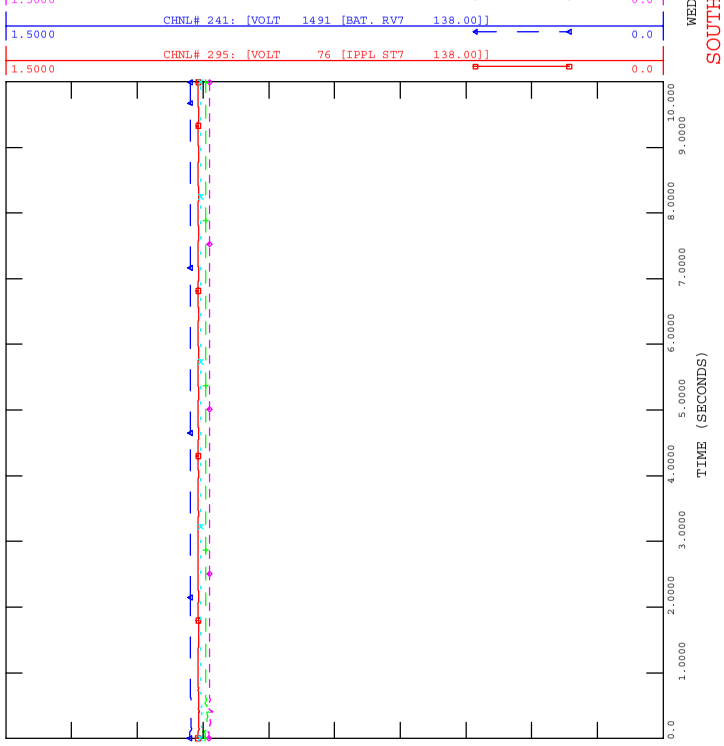


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH BUS VOLTAGES

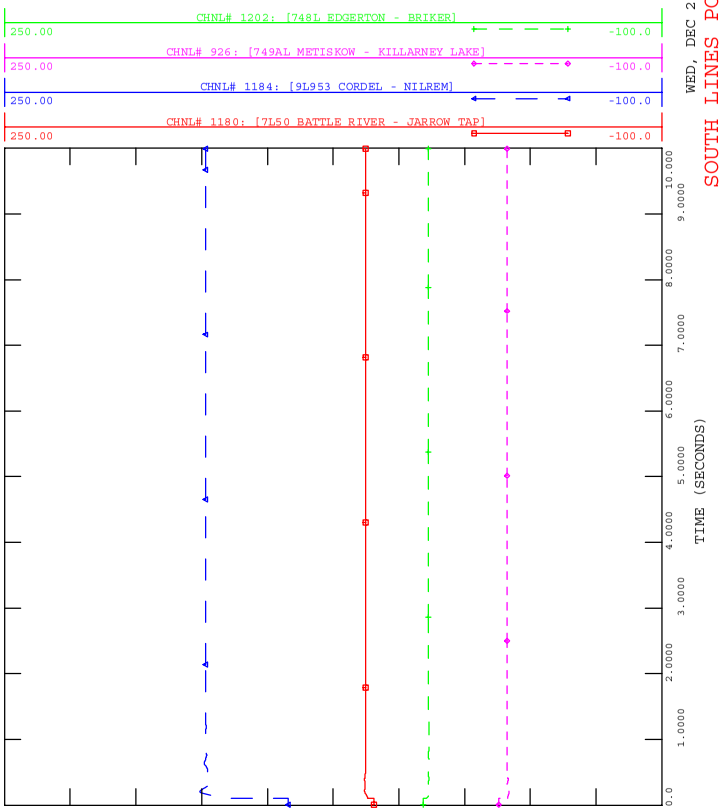


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

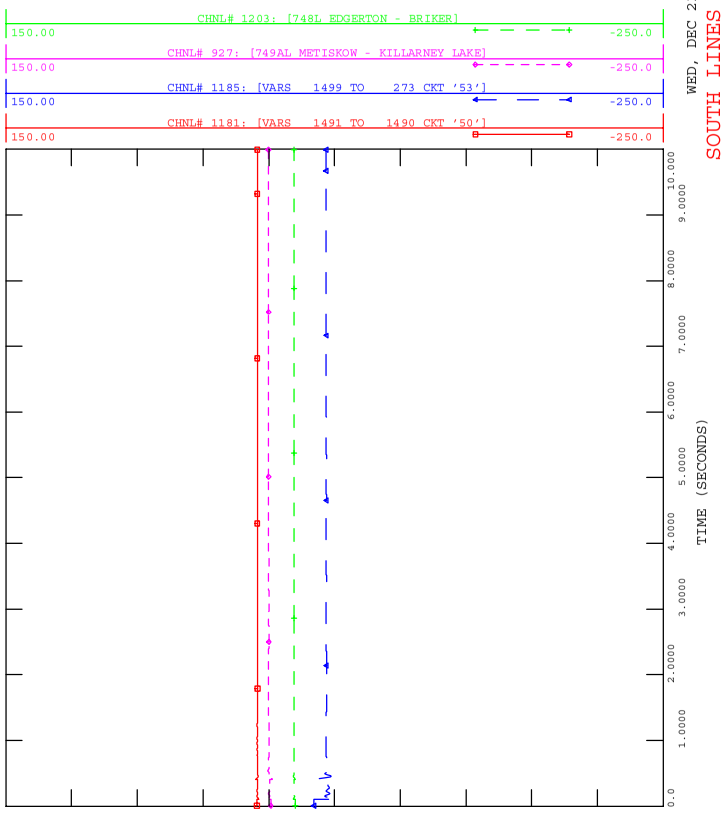


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

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SOUTH LINES VAR FLOW

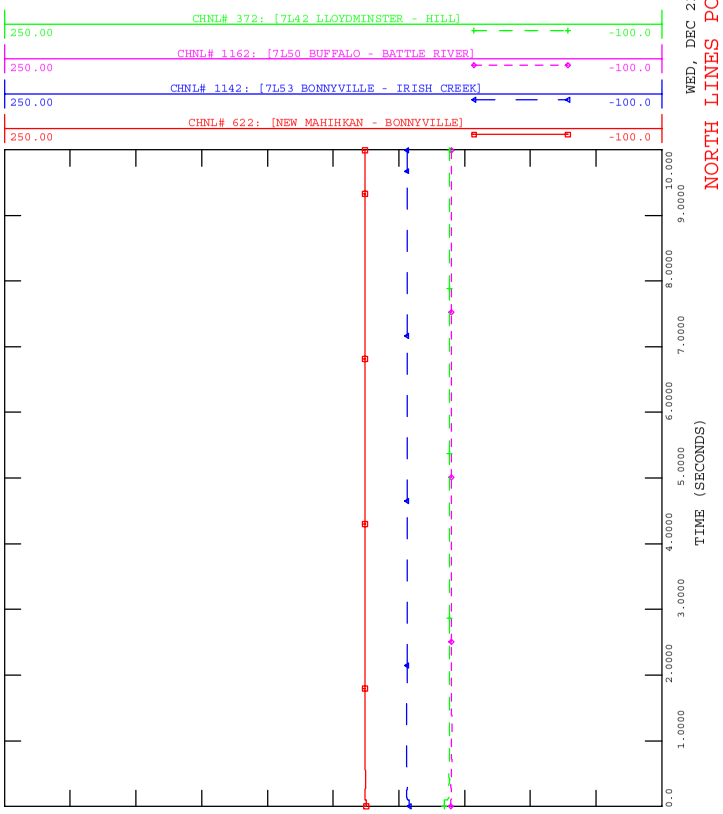


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

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NORTH LINES POWER FLOW

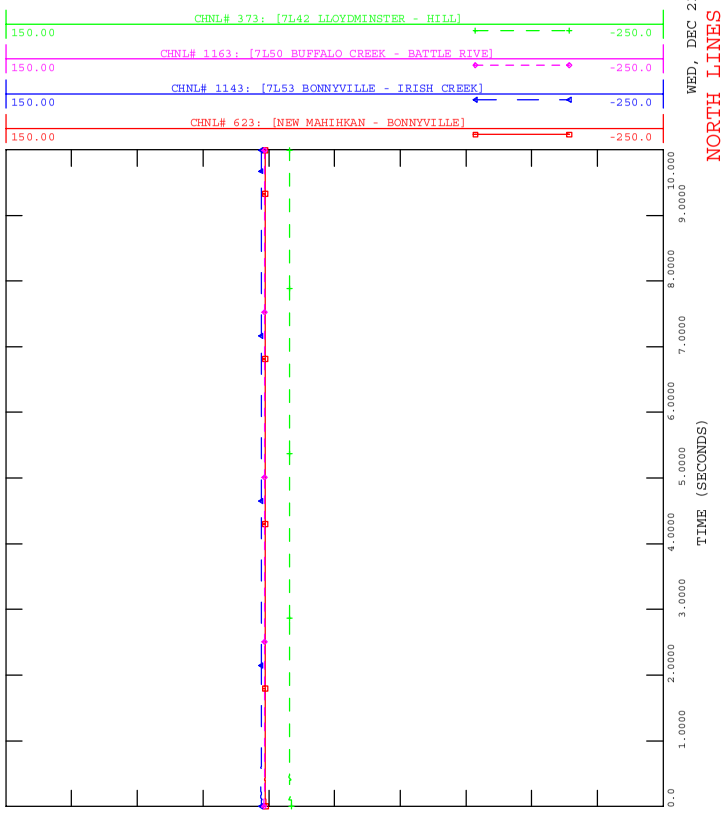


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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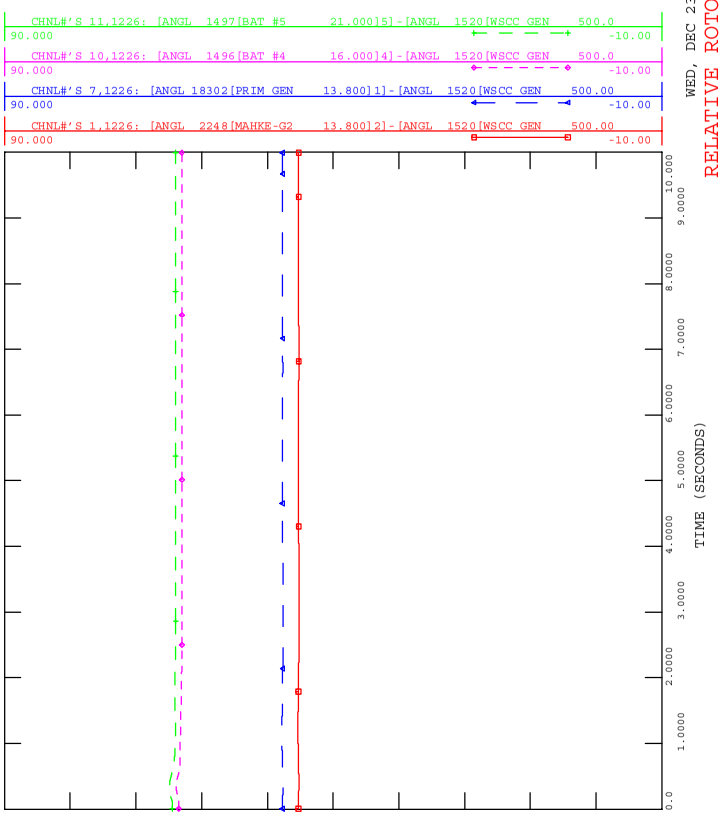
WED, DEC 23 2009 14:09

NORTH LINES VAR FLOW



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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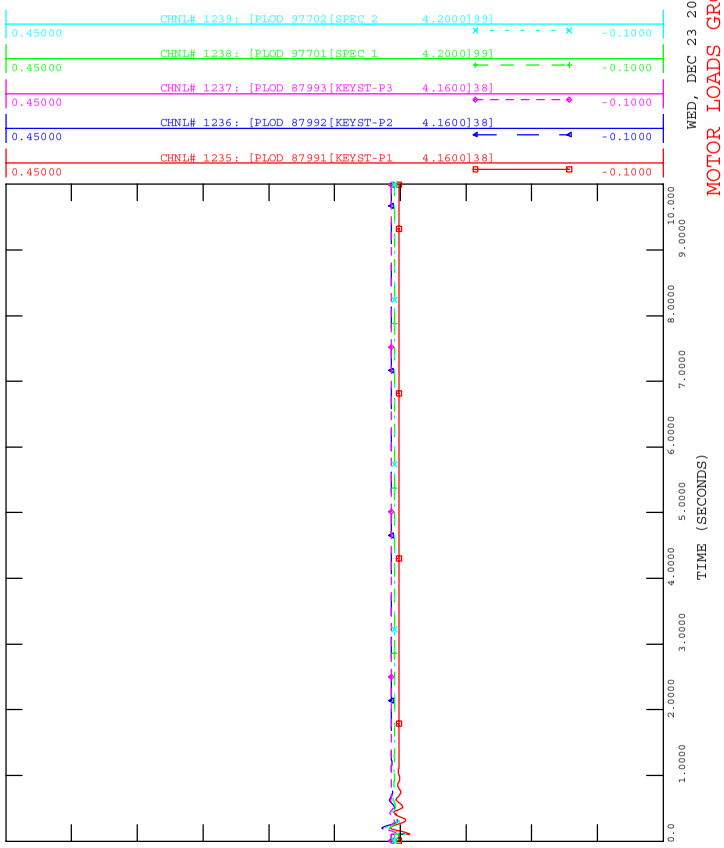


WED, DEC 23 2009 14:09

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out

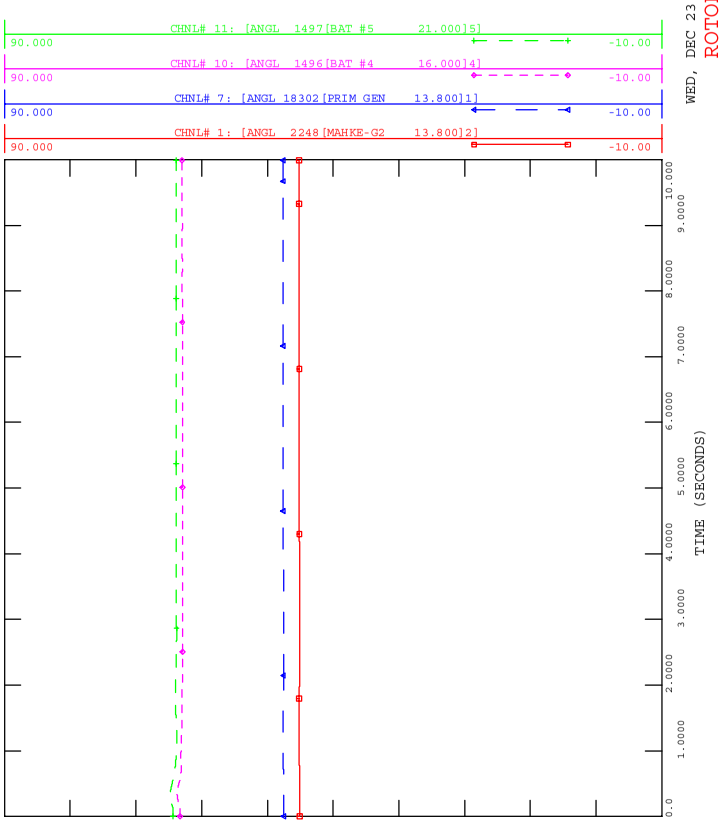


WED, DEC 23 2009 14:09

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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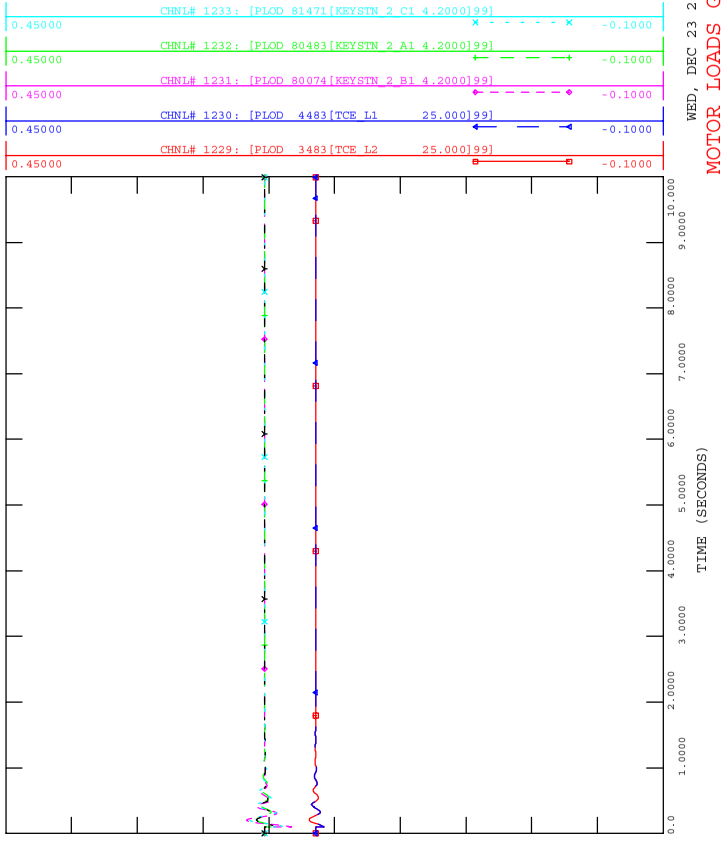


WED, DEC 23 2009 14:09

ROTOR ANGLES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-13Fault.out



WED, DEC 23 2009 14:09

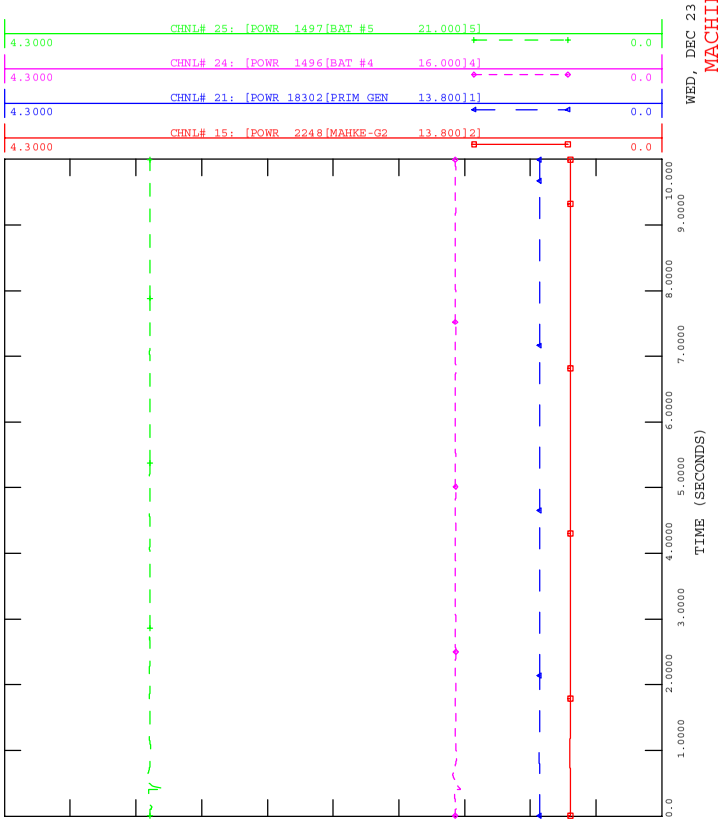
MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

WED, DEC 23 2009 14:09

MACHINE POWER

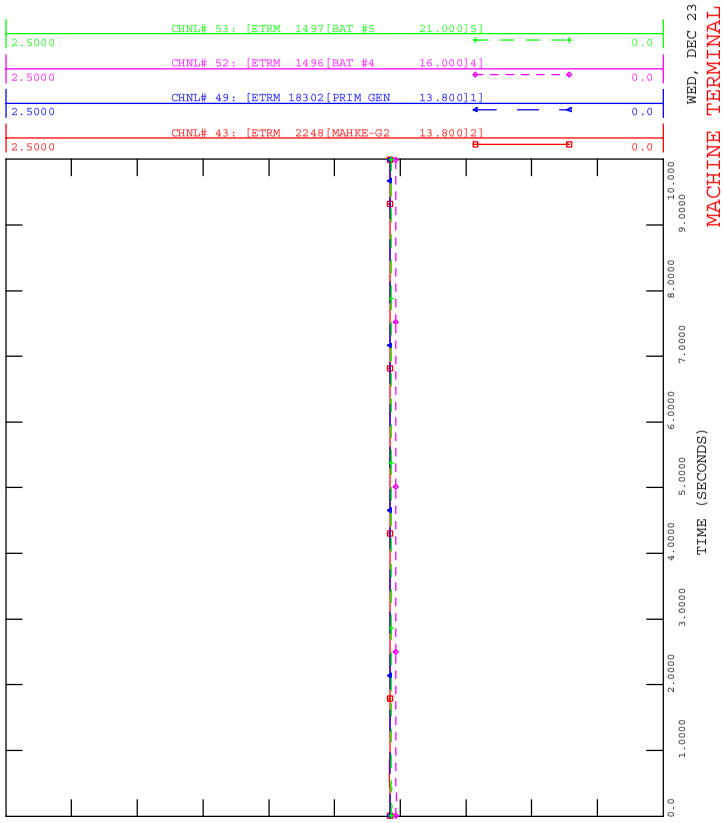


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

WED, DEC 23 2009 14:09

MACHINE TERMINAL VOLTAGE

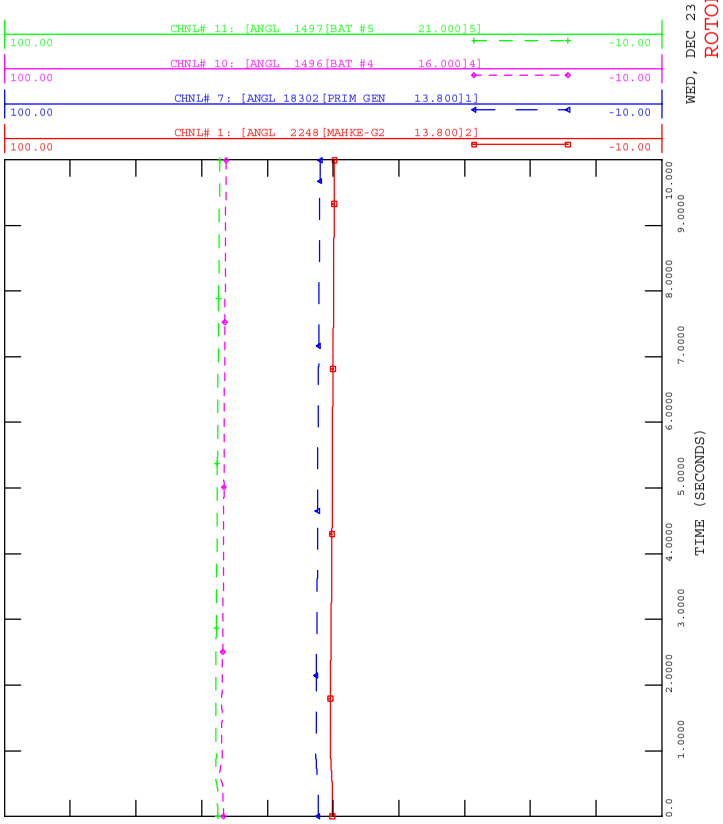


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

WED, DEC 23 2009 14:09

ROTOR ANGLES

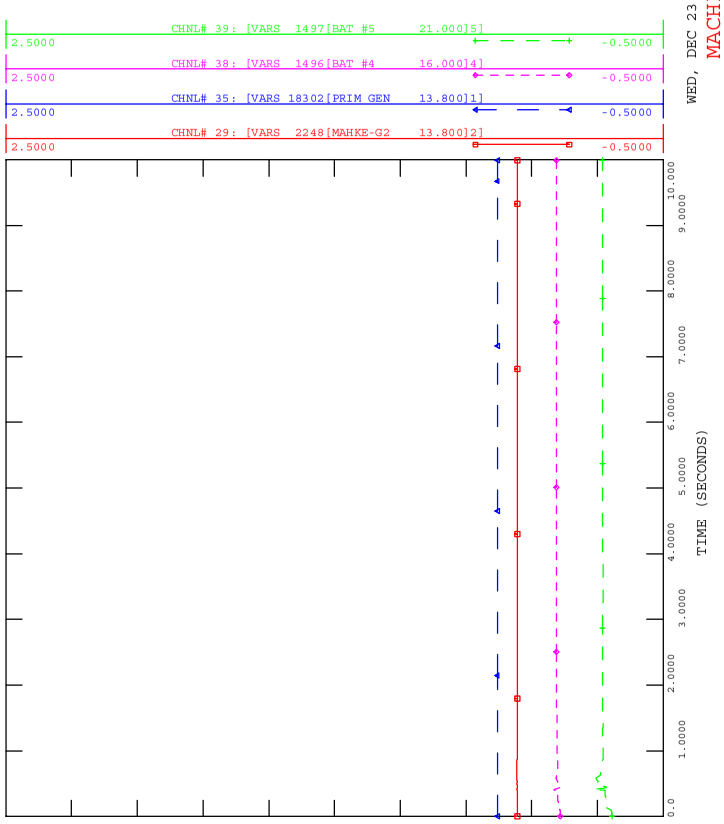


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

WED, DEC 23 2009 14:09

MACHINE VARS

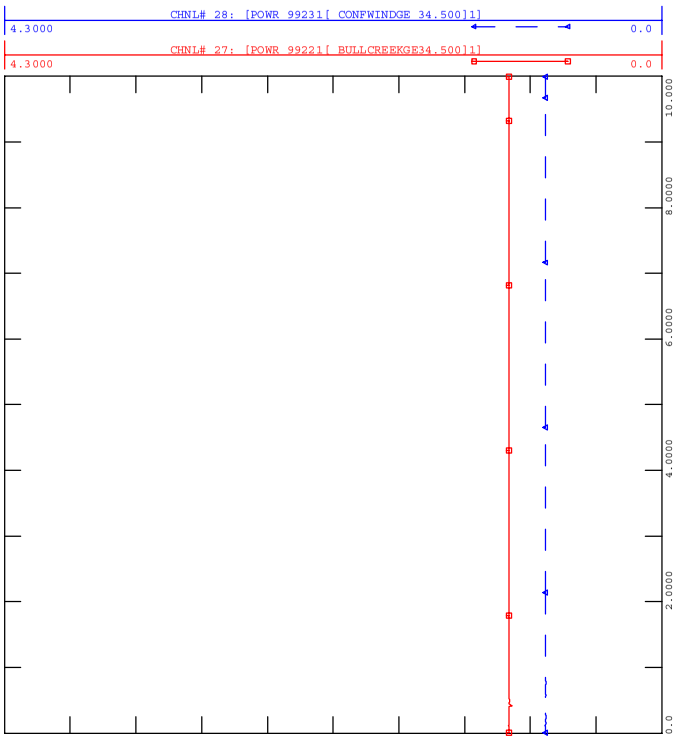


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

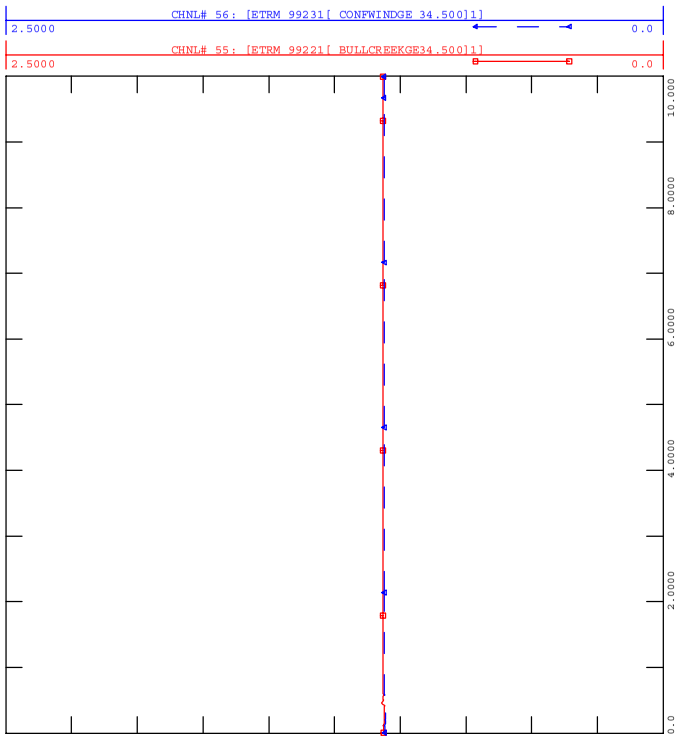


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACH. TERMINAL VOLTS

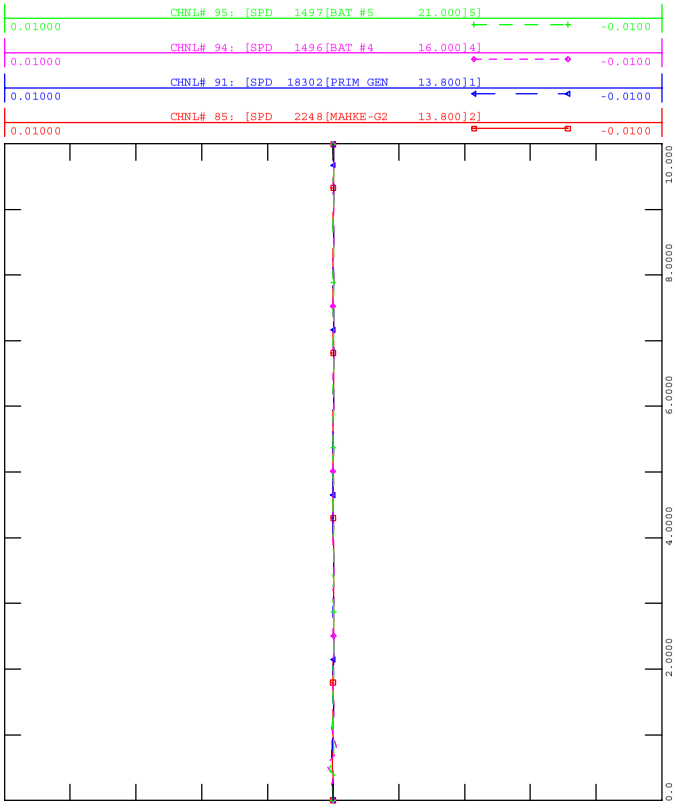


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

WED, DEC 23 2009 14:09

MACHINE SPEED

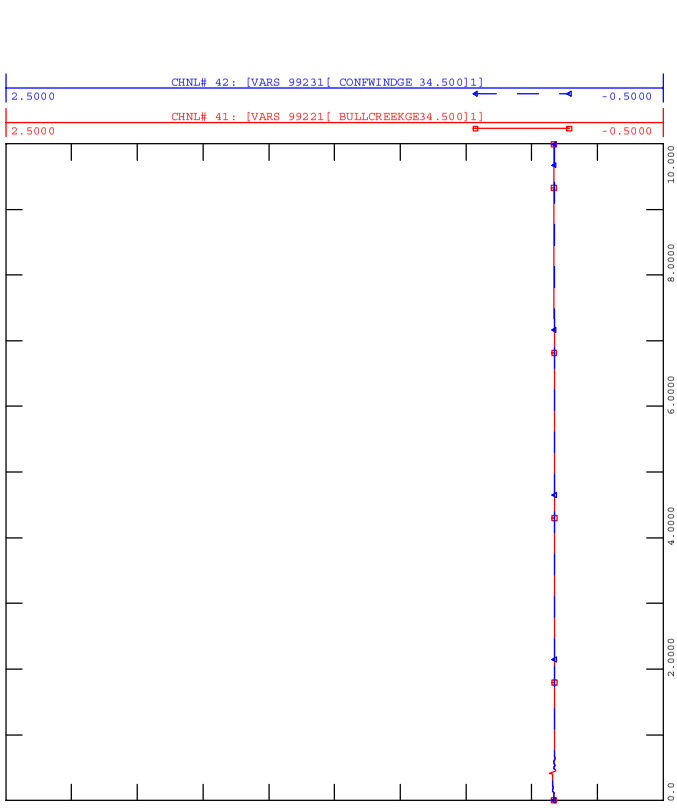


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

WED, DEC 23 2009 14:09

WIND MACHINE VARS

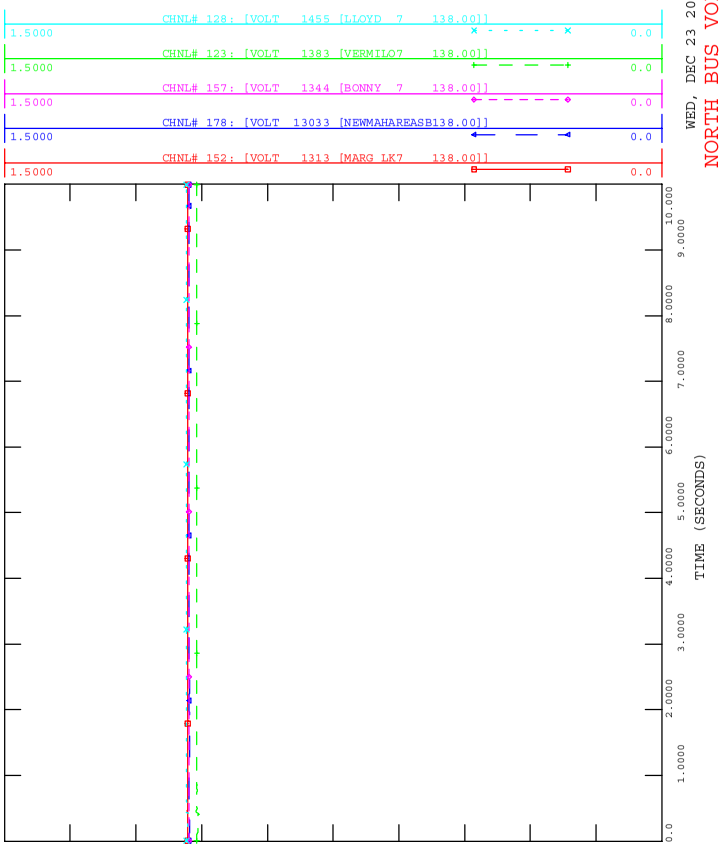


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: C7-14Fault.out

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NORTH BUS VOLTAGES

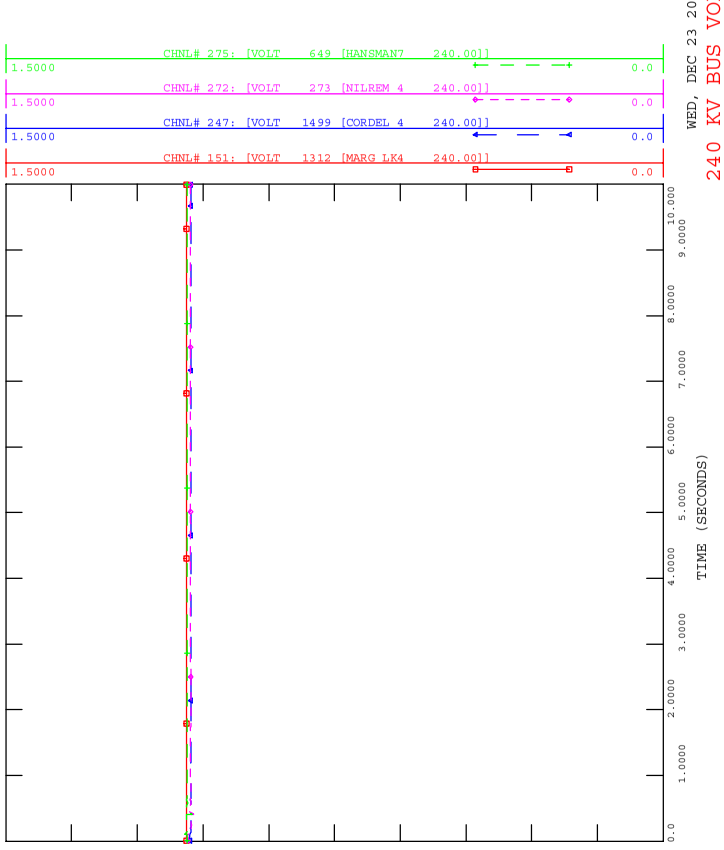


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

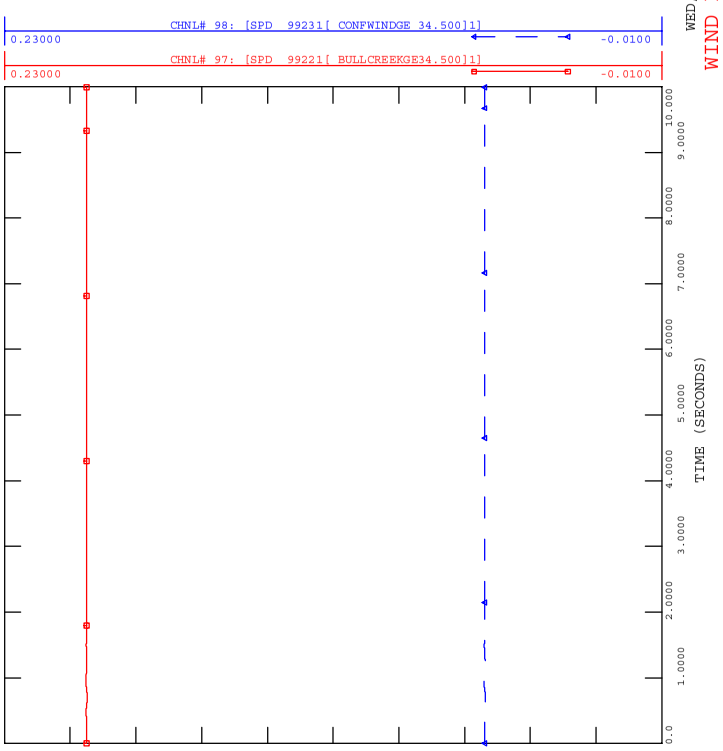


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

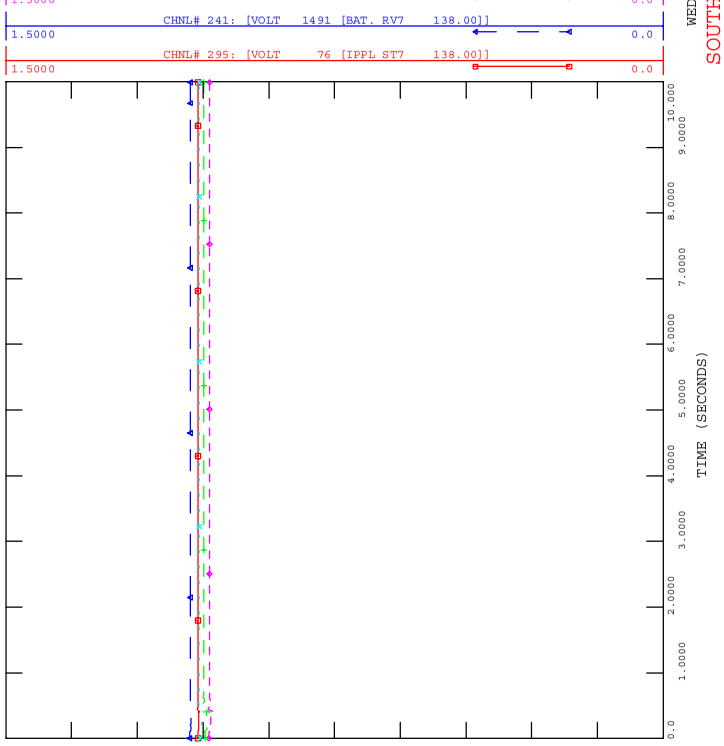


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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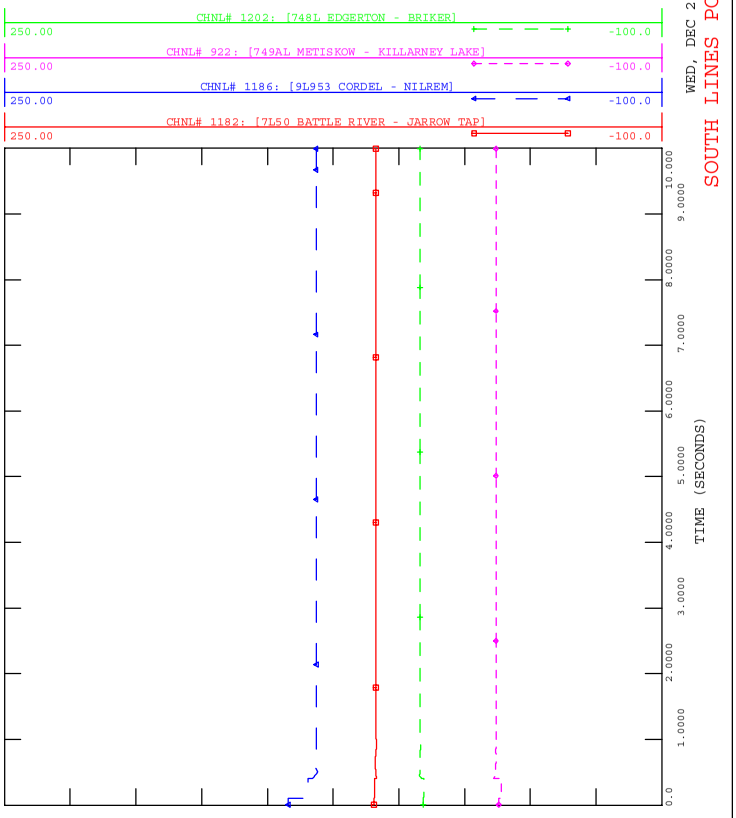
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SOUTH BUS VOLTAGES



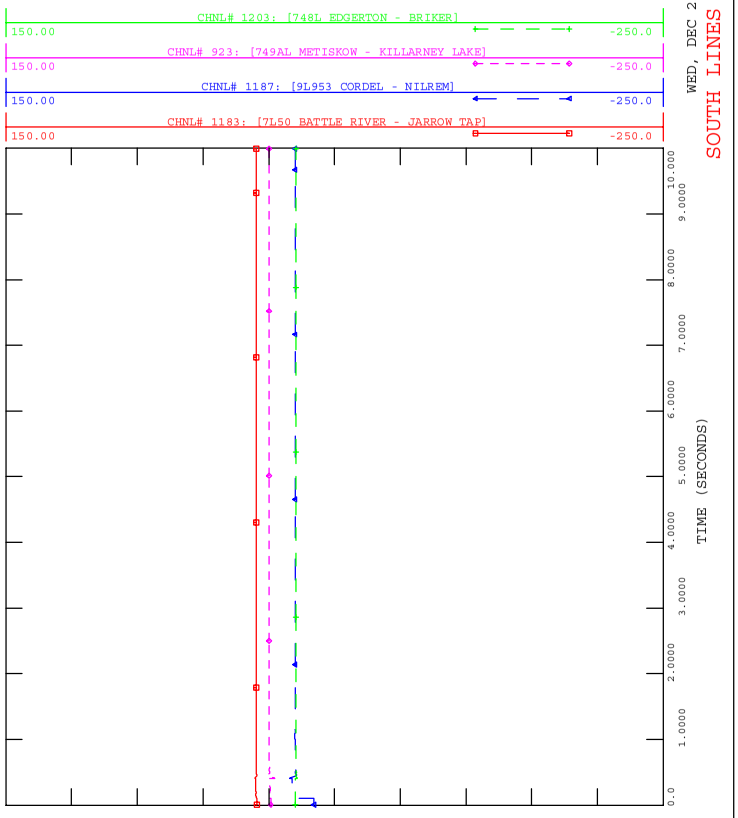
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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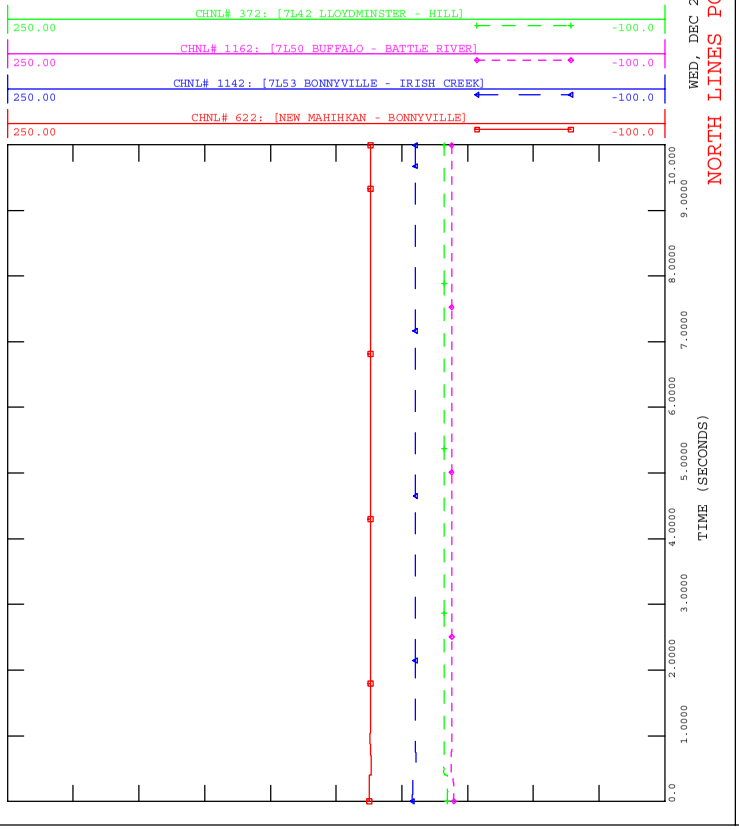
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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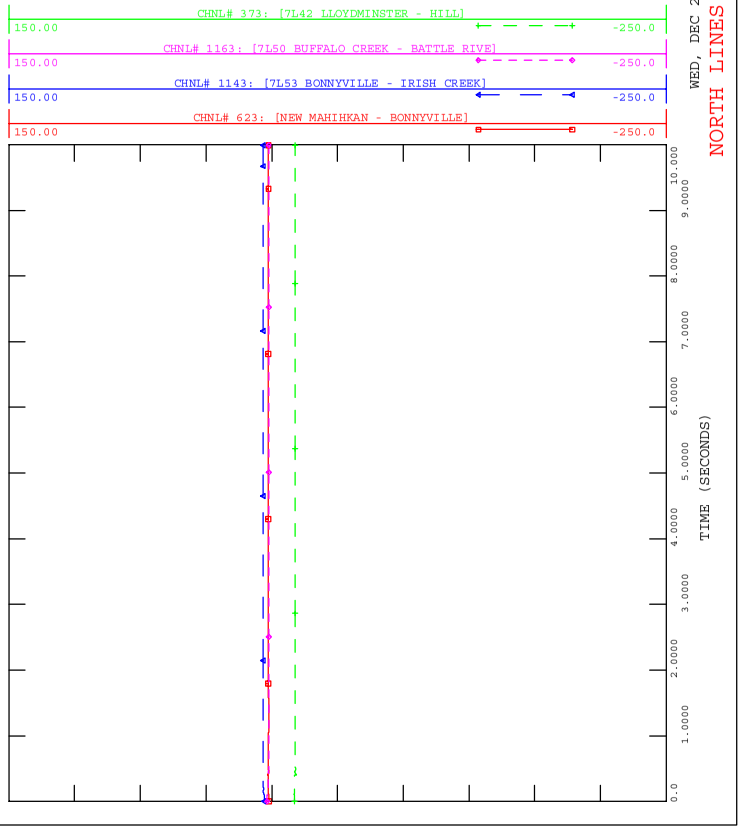
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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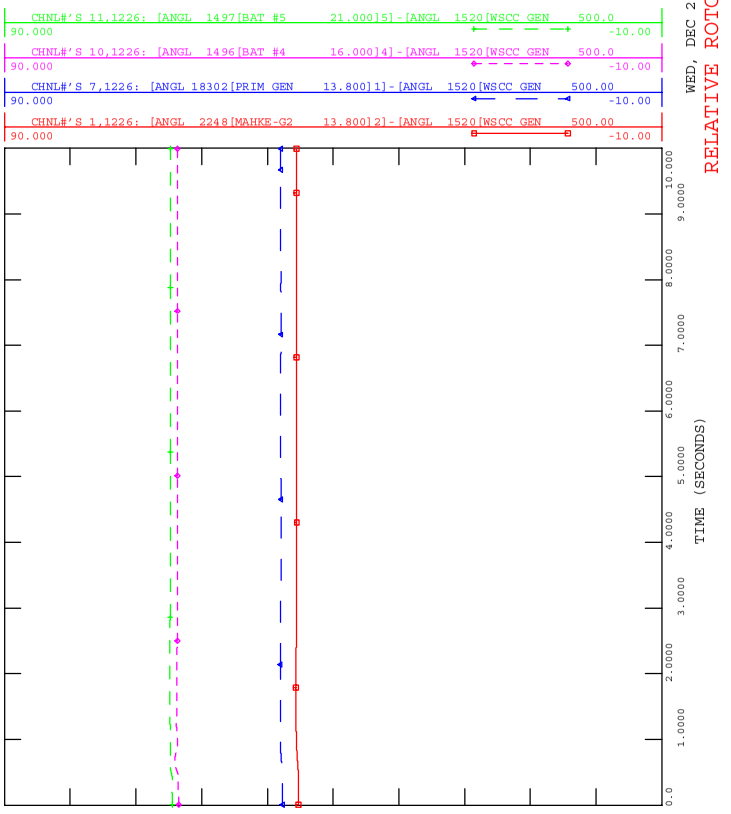


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

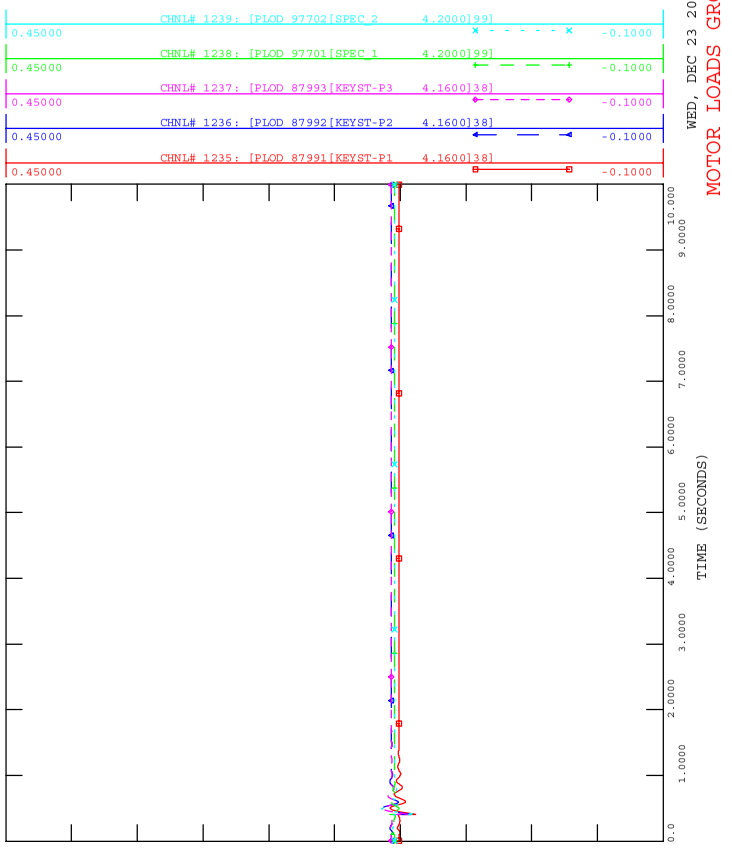


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP II

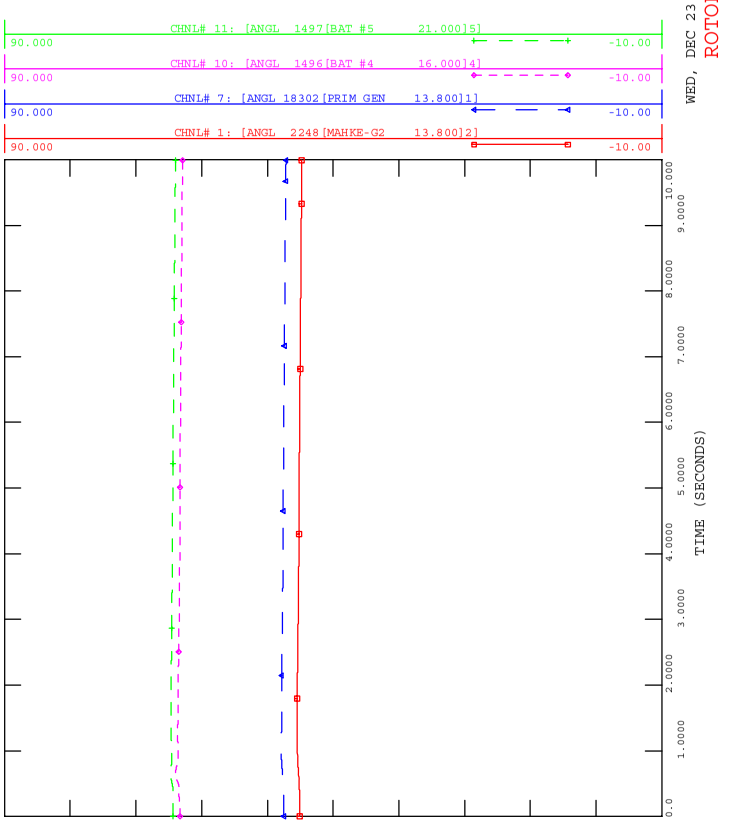


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

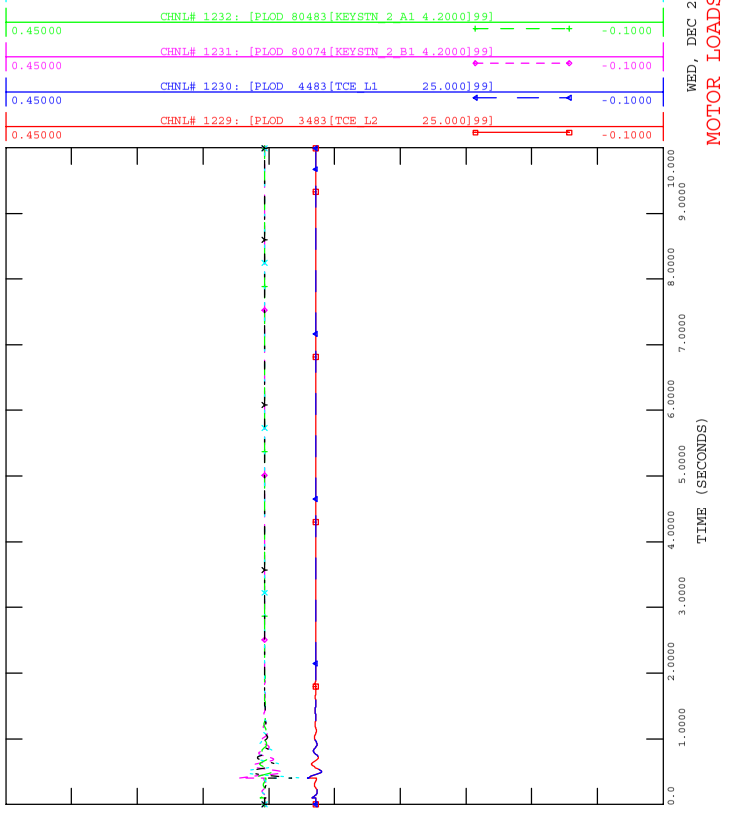


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP I



Dynamic Stability Plots

2012 Summer Light

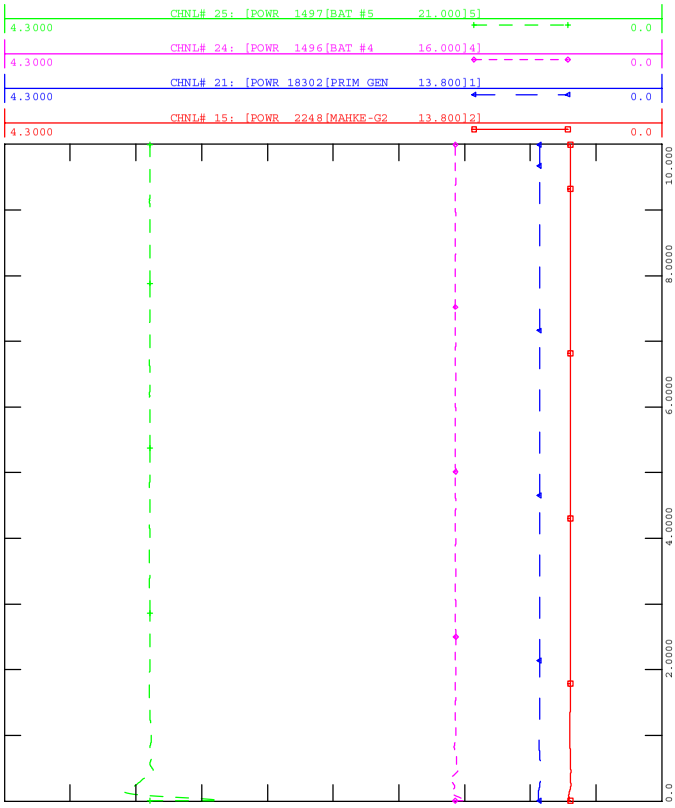
Category D Contingencies

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

WED, DEC 23 2009 14:09

MACHINE POWER

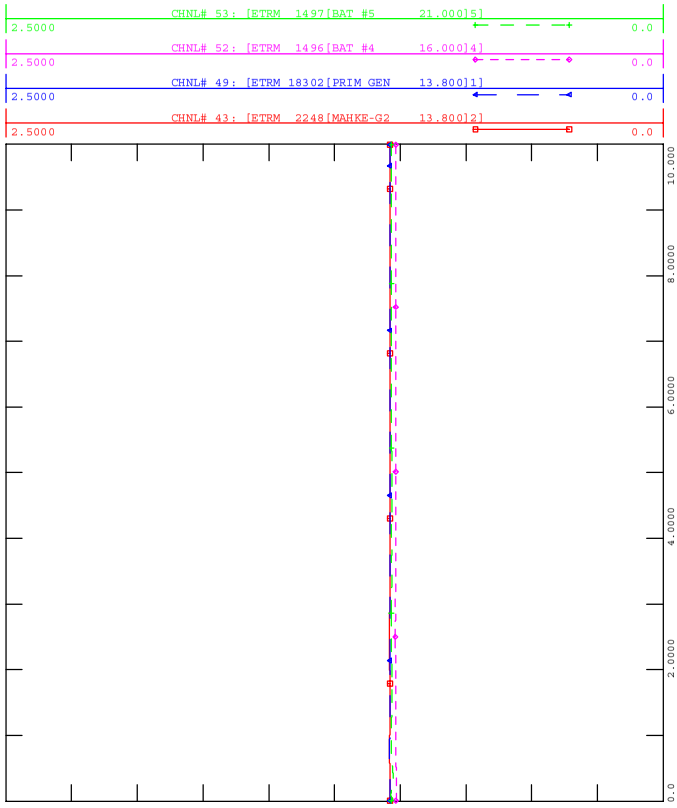


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:09

MACHINE TERMINAL VOLTAGE

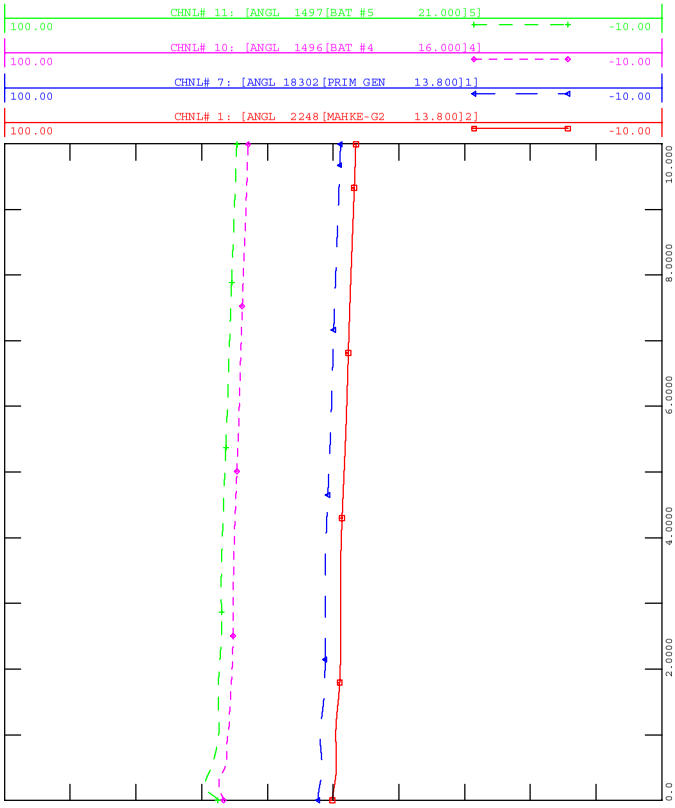


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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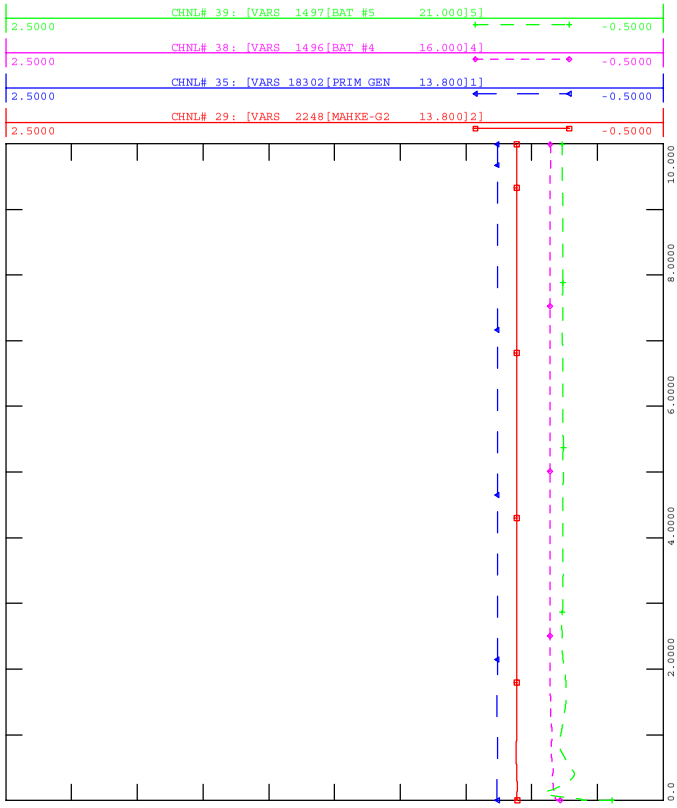


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

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MACHINE VARS

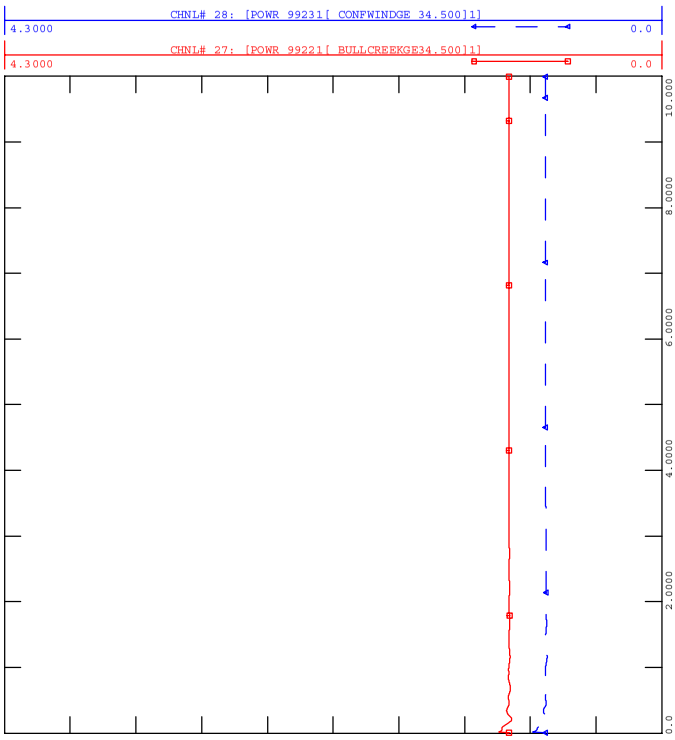


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

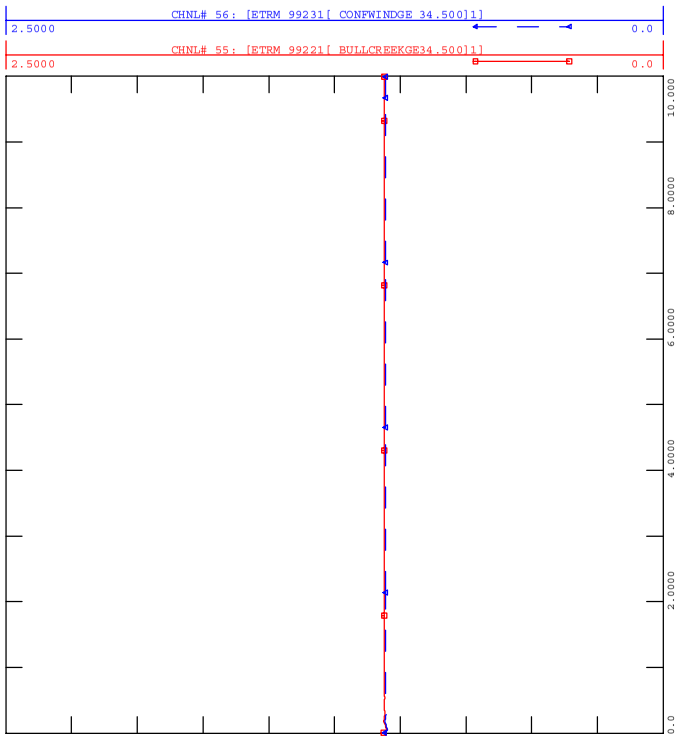


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

WED, DEC 23 2009 14:09

WIND MACH. TERMINAL VOLTS

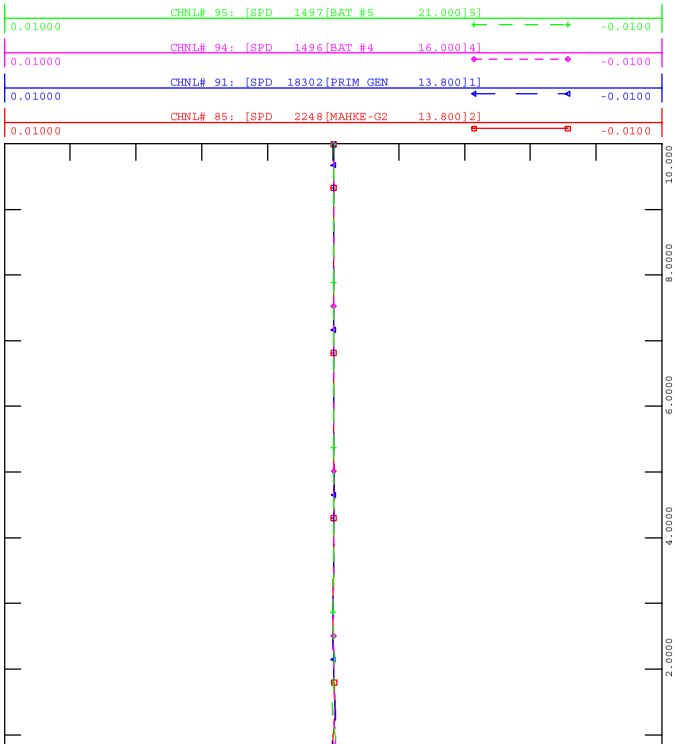


CENTRAL AREA STUDY
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MACHINE SPEED

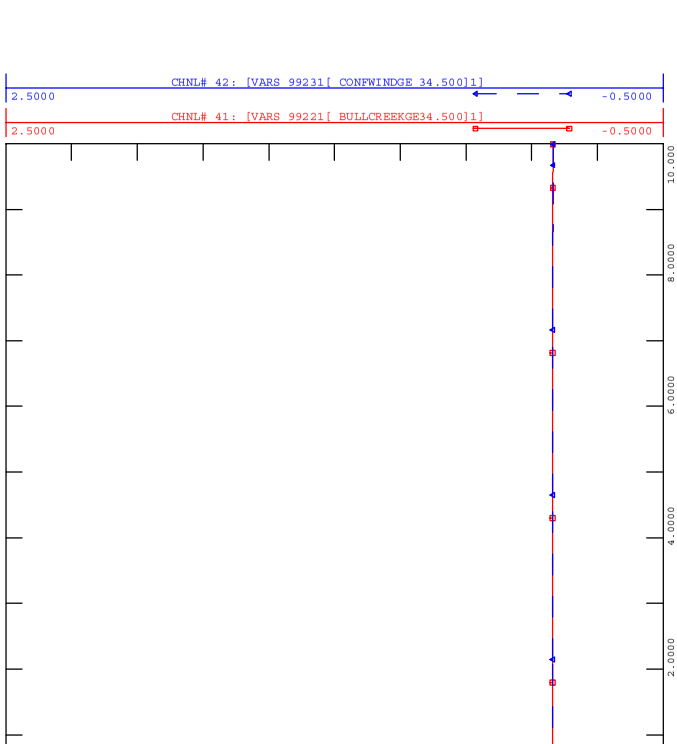


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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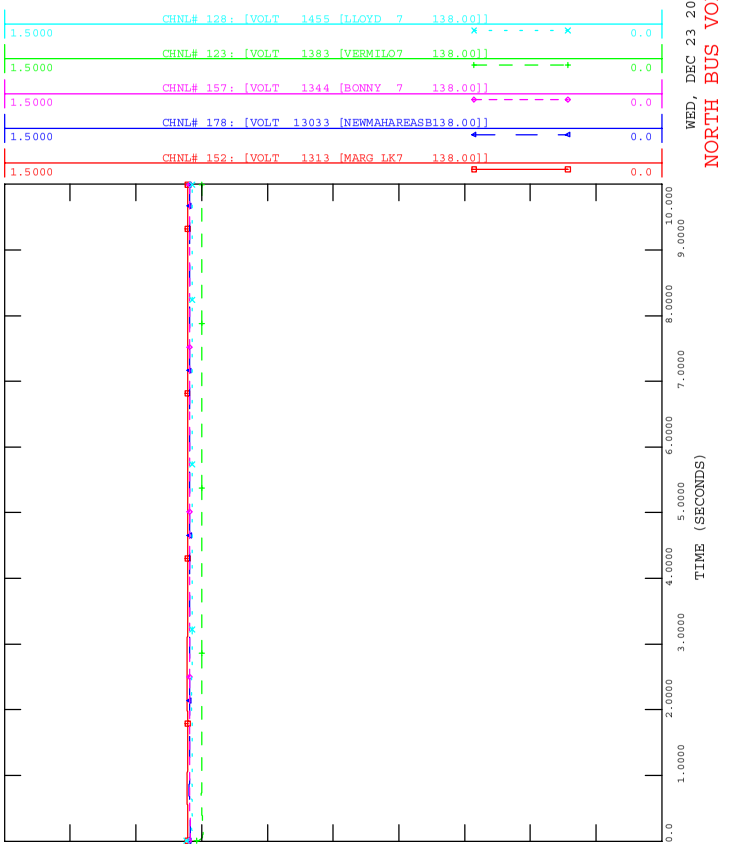
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WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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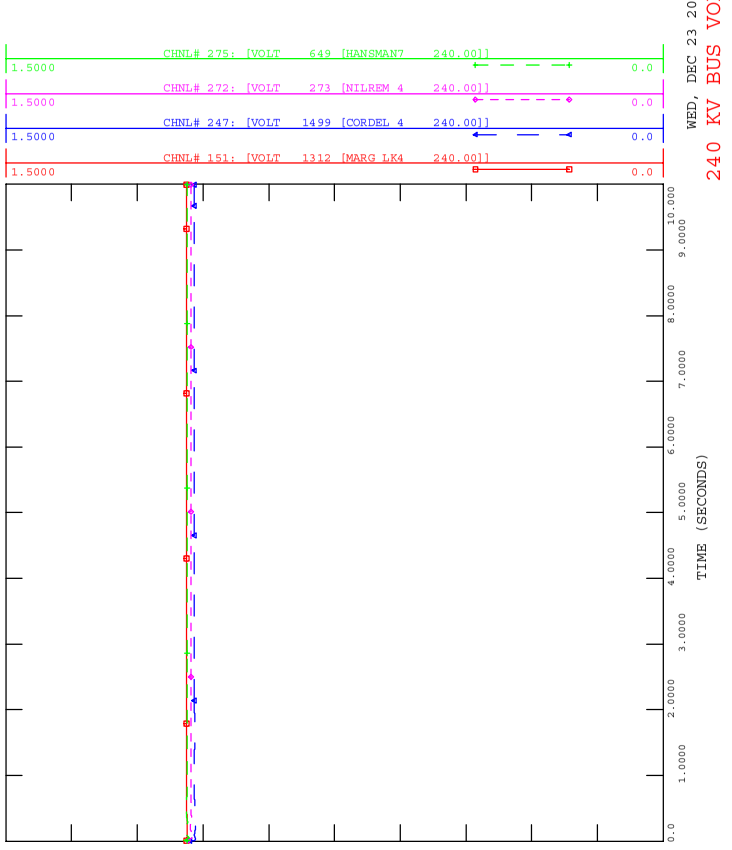


WED, DEC 23 2009 14:09

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

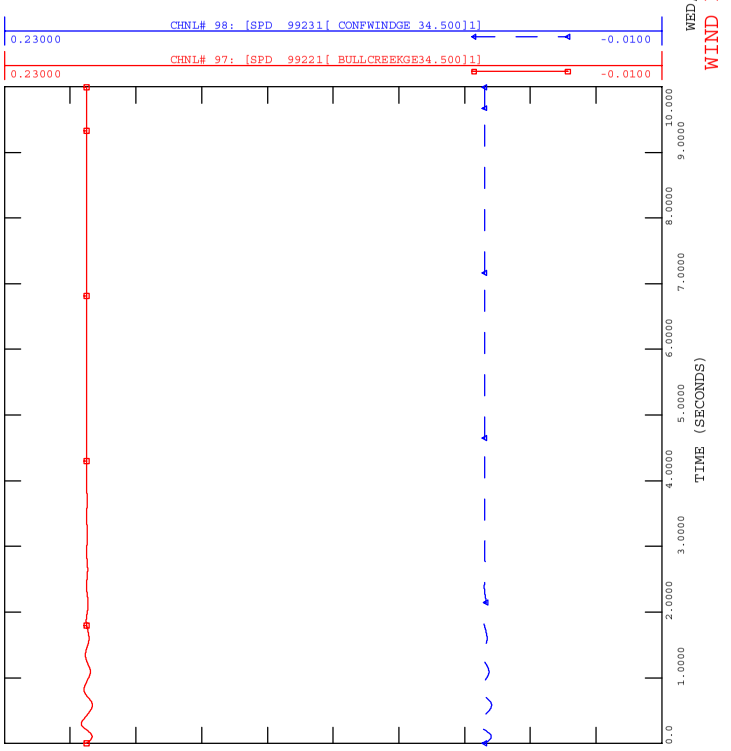


WED, DEC 23 2009 14:09

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

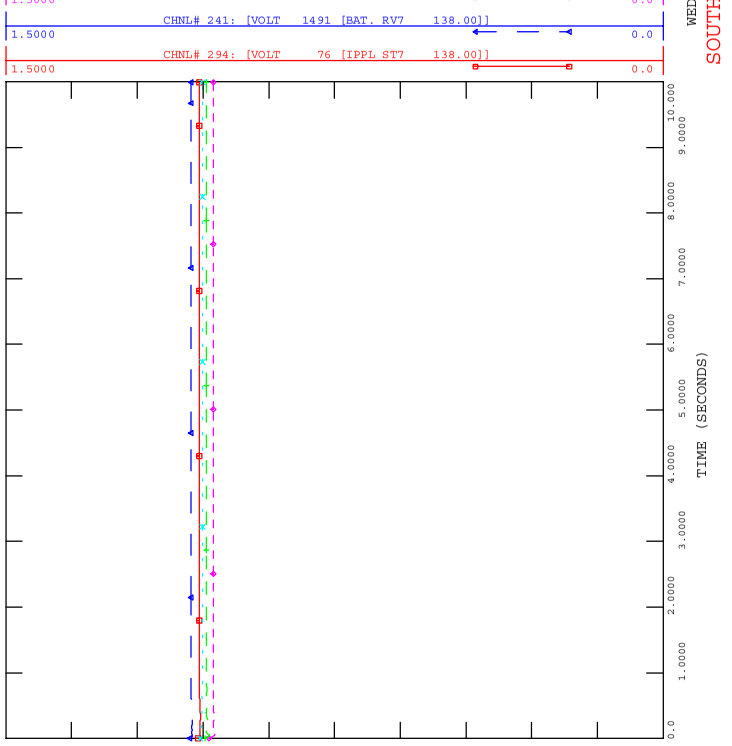


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

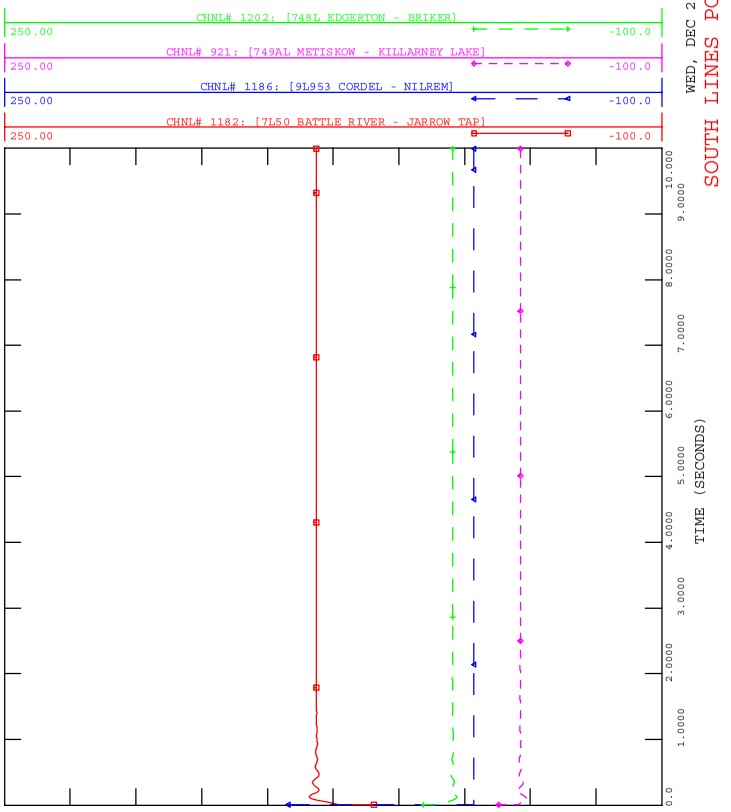


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SOUTH BUS VOLTAGES

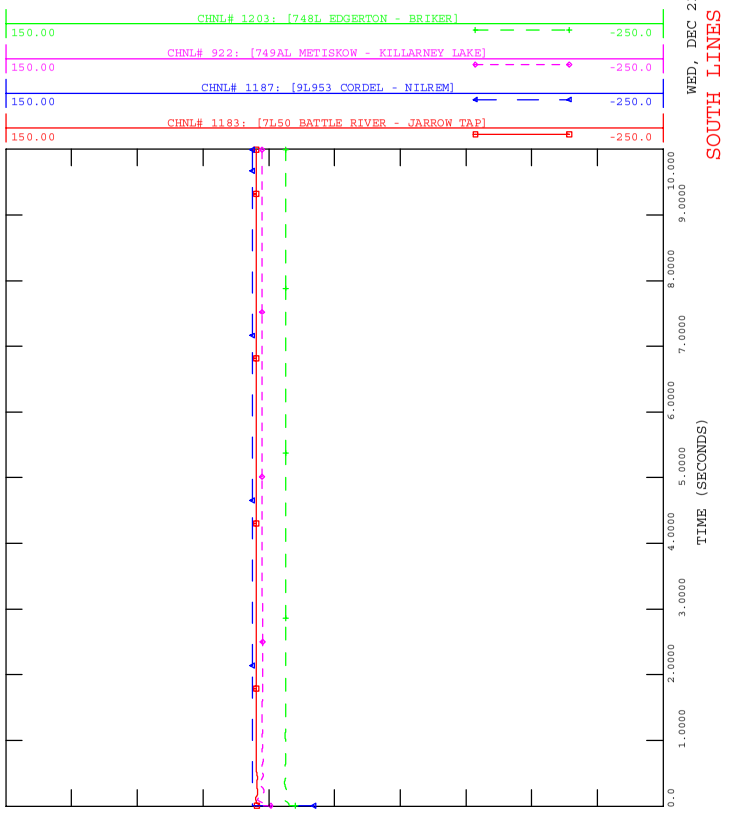
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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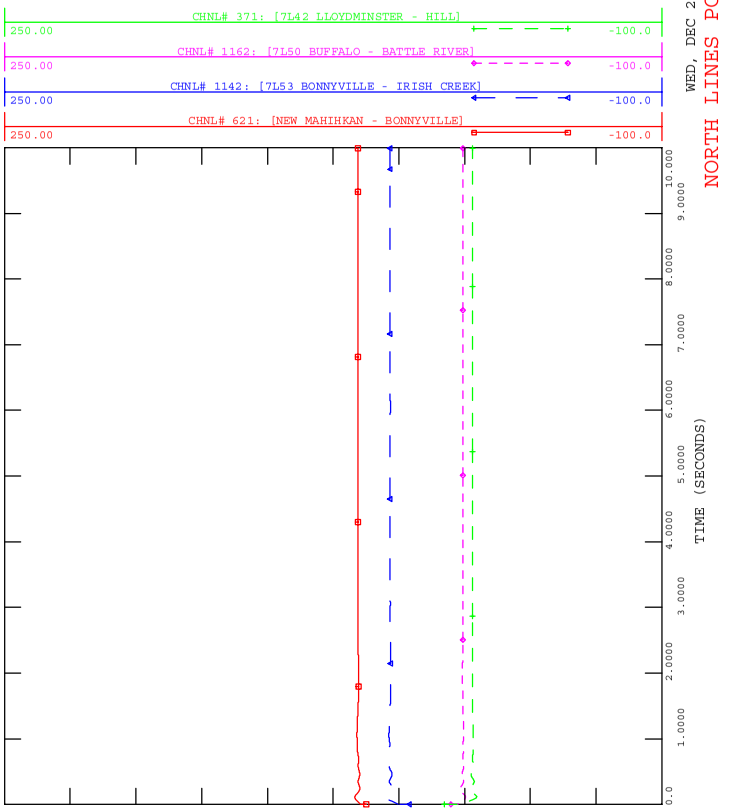
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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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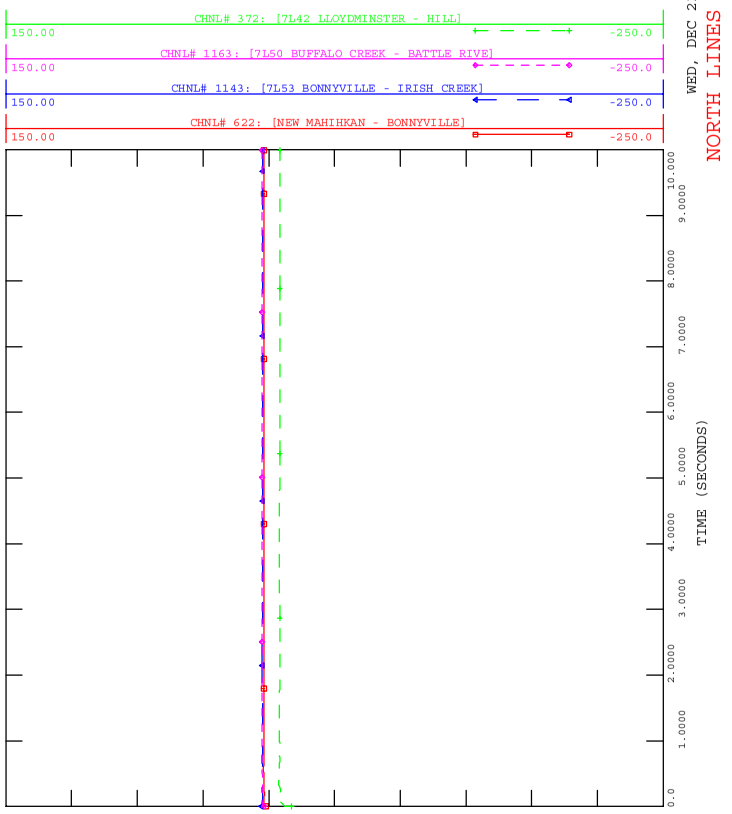
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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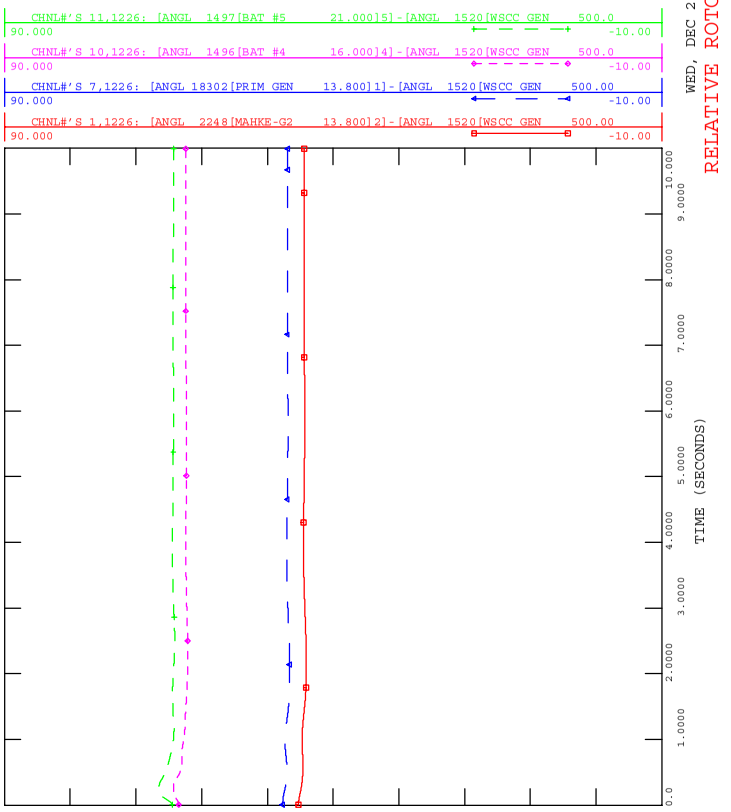


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

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RELATIVE ROTOR ANGLES

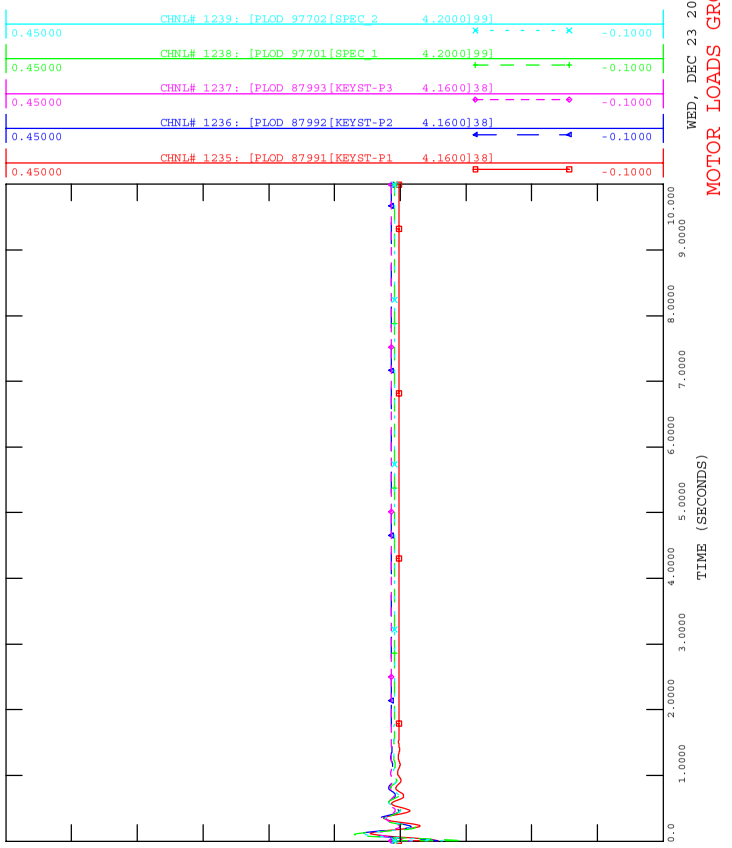


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

WED, DEC 23 2009 14:09

MOTOR LOADS GROUP II

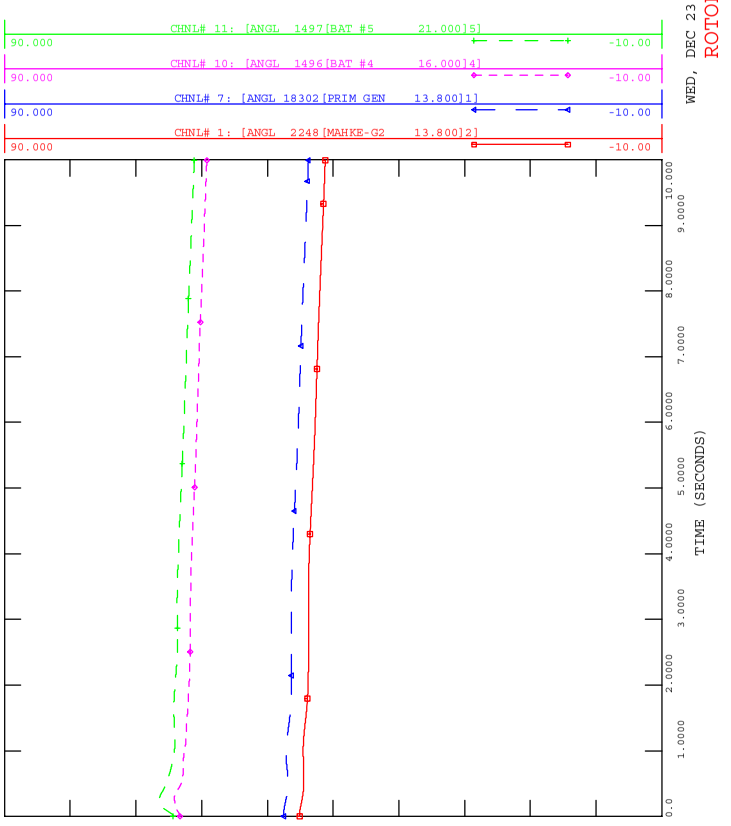


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

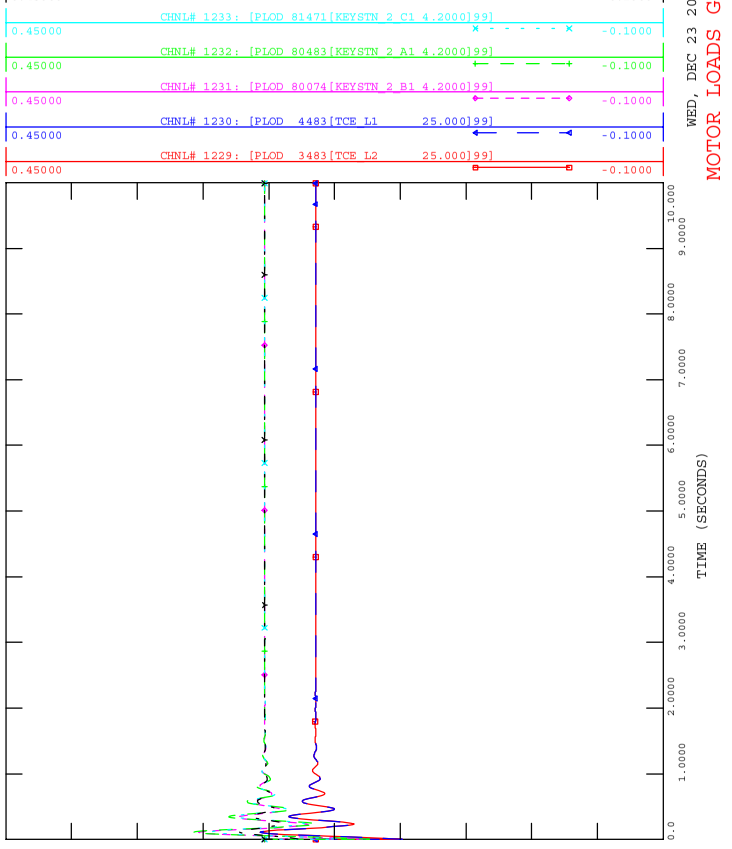


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-1Trip.out

WED, DEC 23 2009 14:09

MOTOR LOADS GROUP I

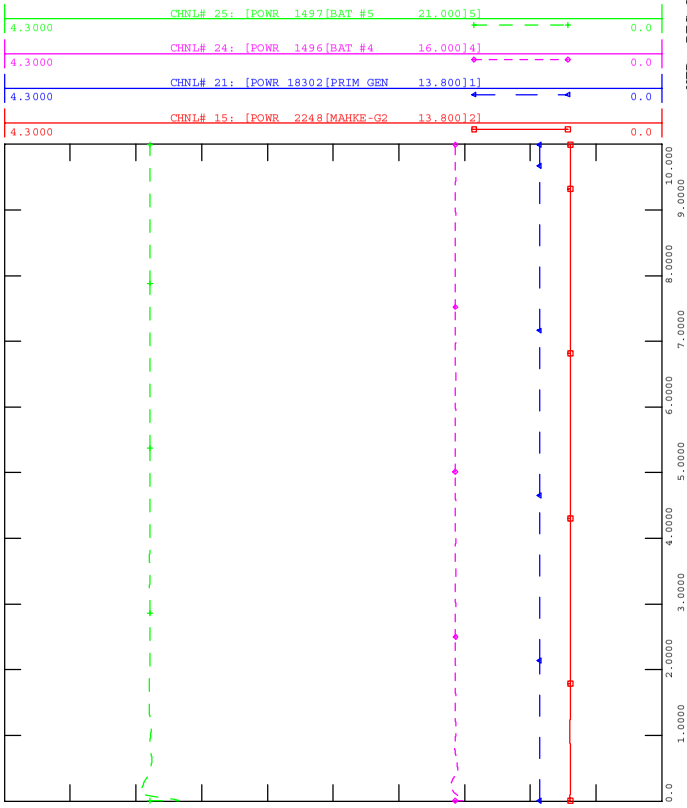


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

WED, DEC 23 2009 14:09

MACHINE POWER

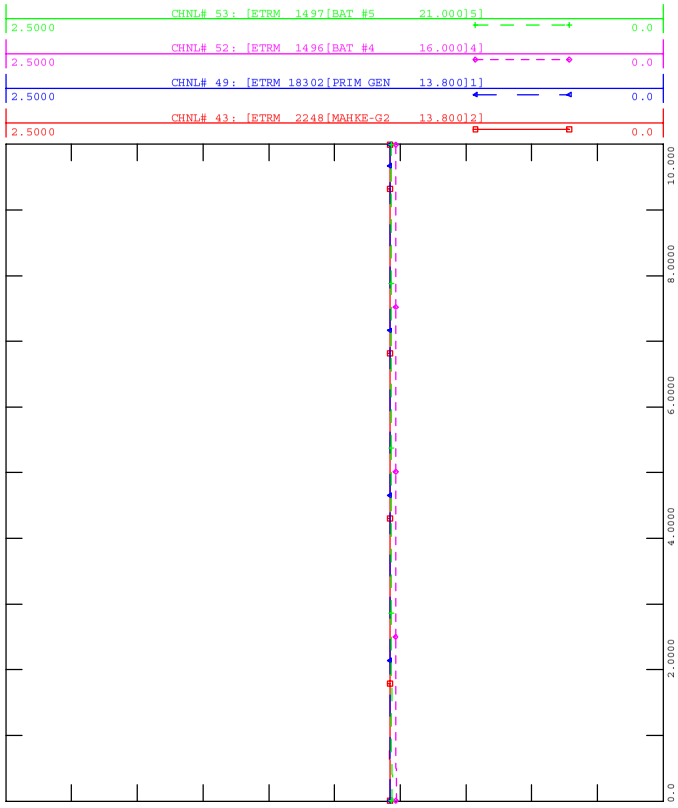


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

WED, DEC 23 2009 14:09

MACHINE TERMINAL VOLTAGE

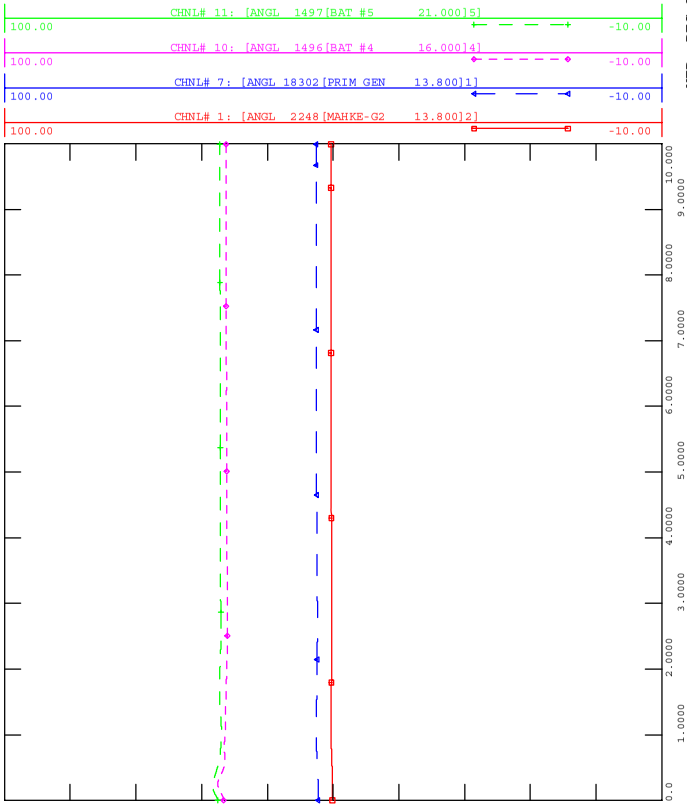


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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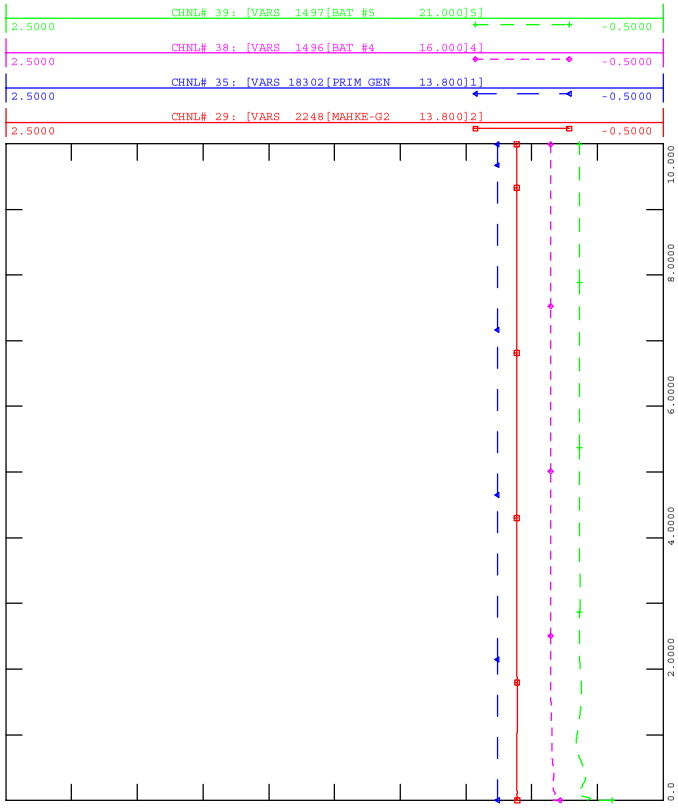


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

WED, DEC 23 2009 14:09

MACHINE VARS

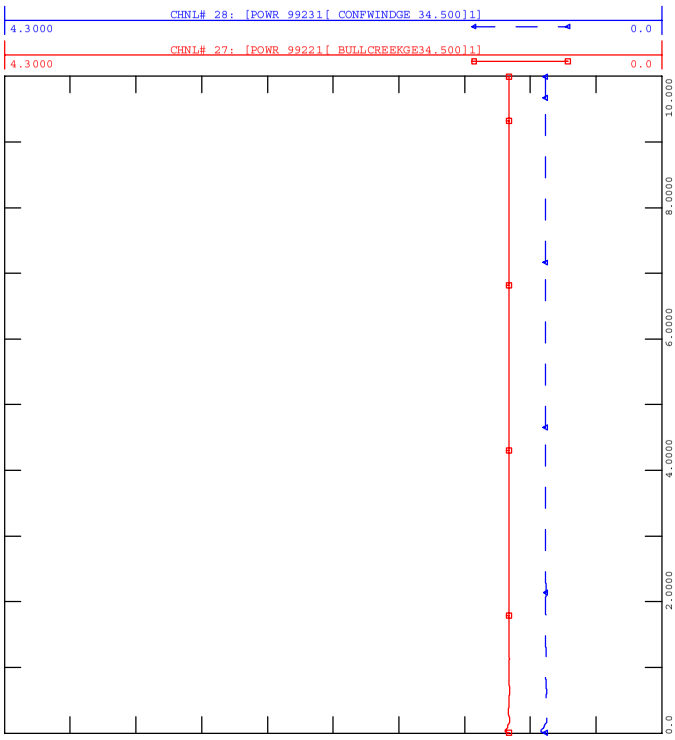


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

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WIND MACHINE POWER

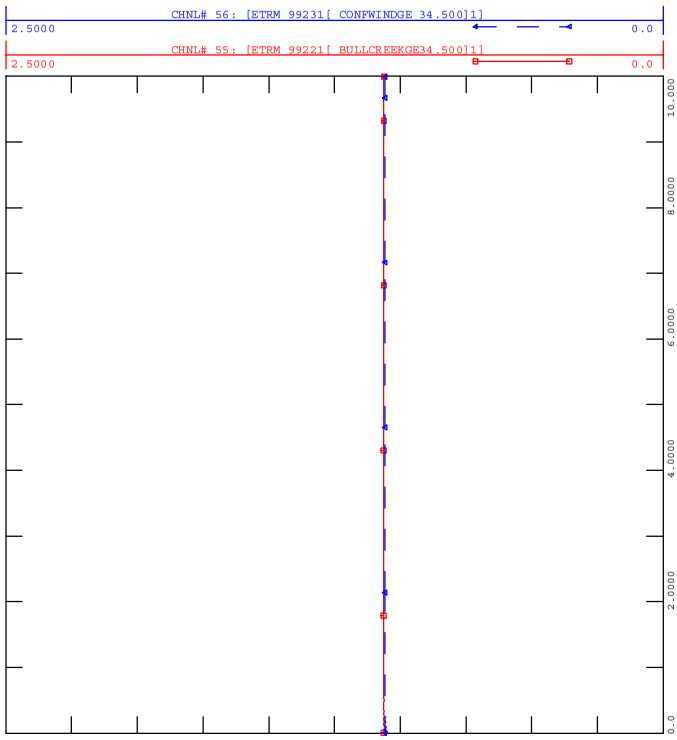


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

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WIND MACH. TERMINAL VOLTS

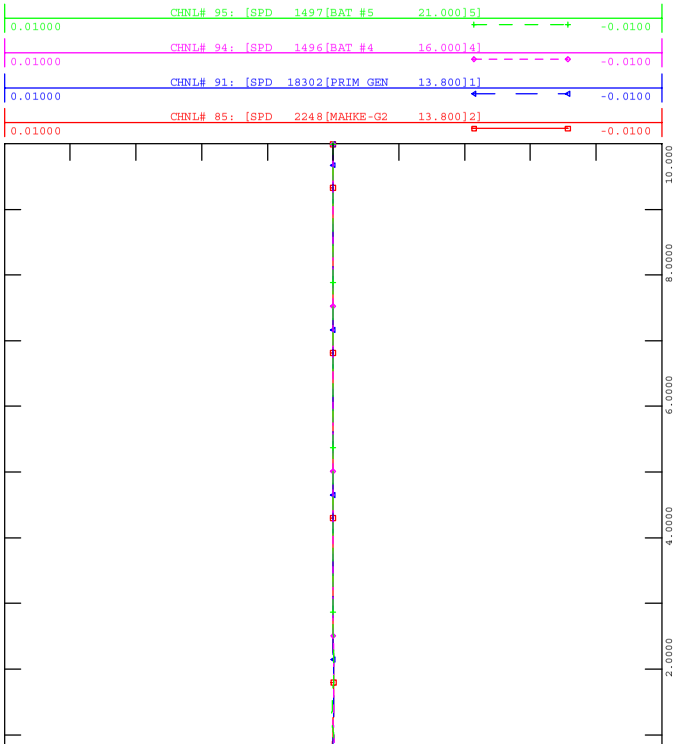


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

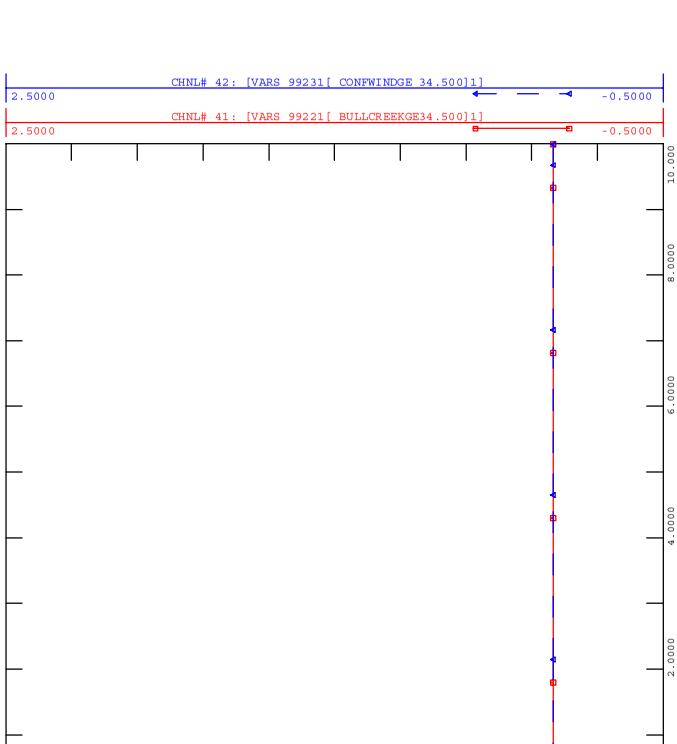


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

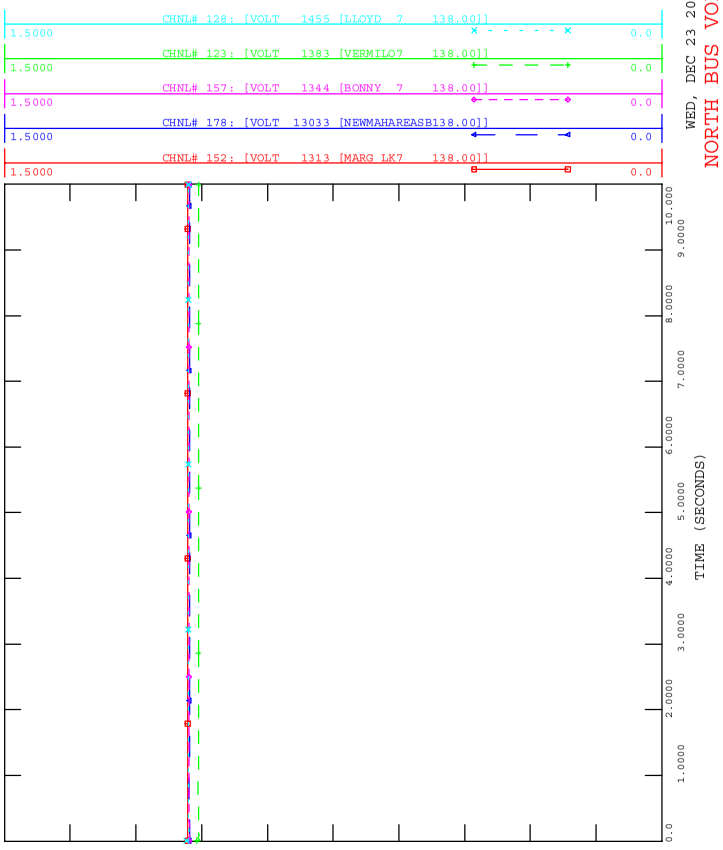


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

WED, DEC 23 2009 14:09

NORTH BUS VOLTAGES

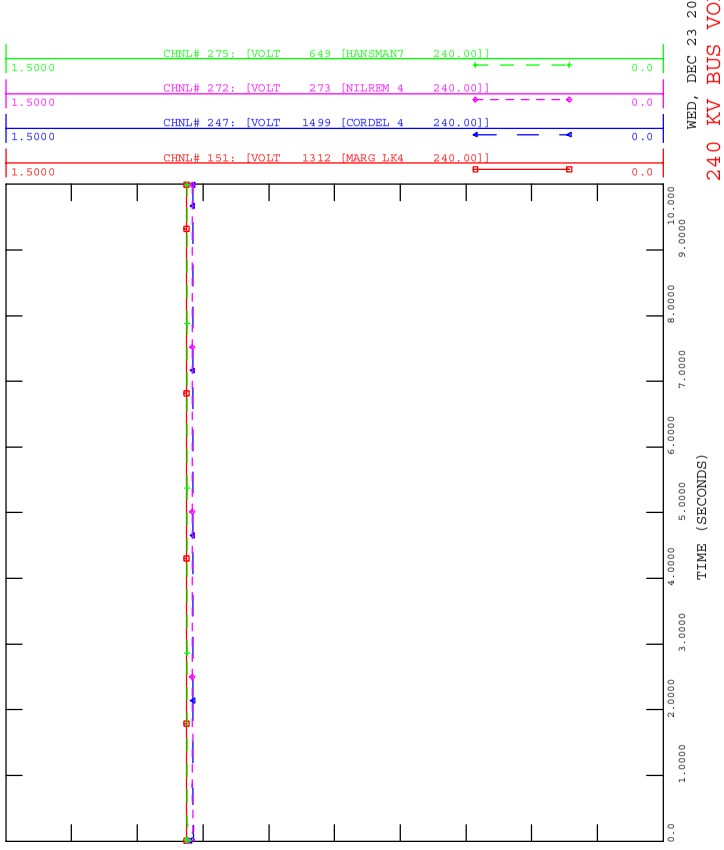


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

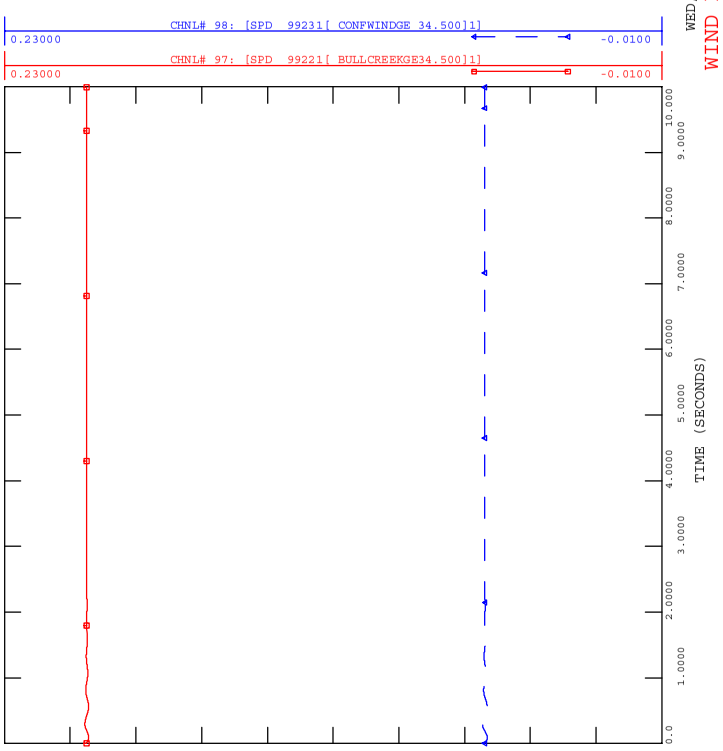


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

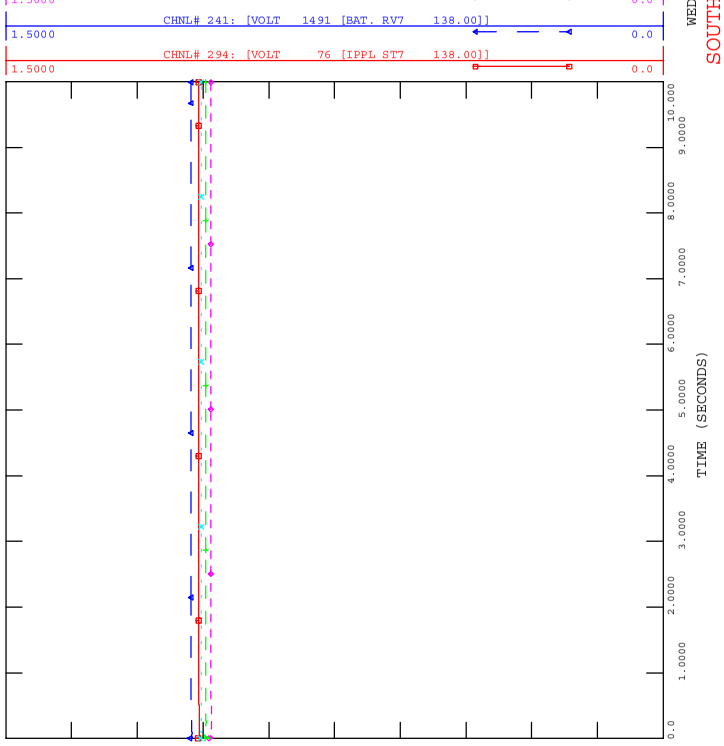


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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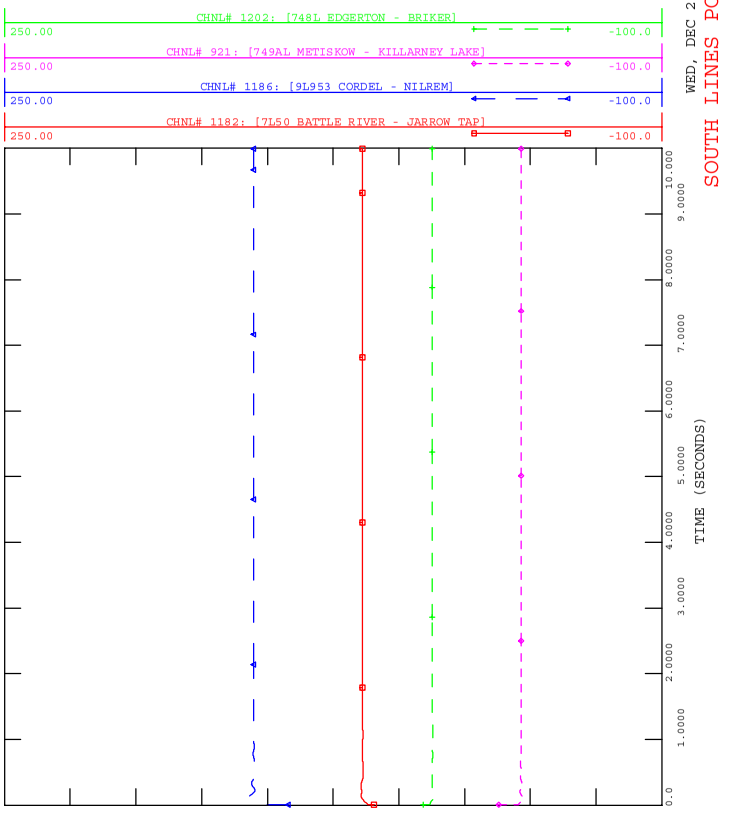
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SOUTH BUS VOLTAGES



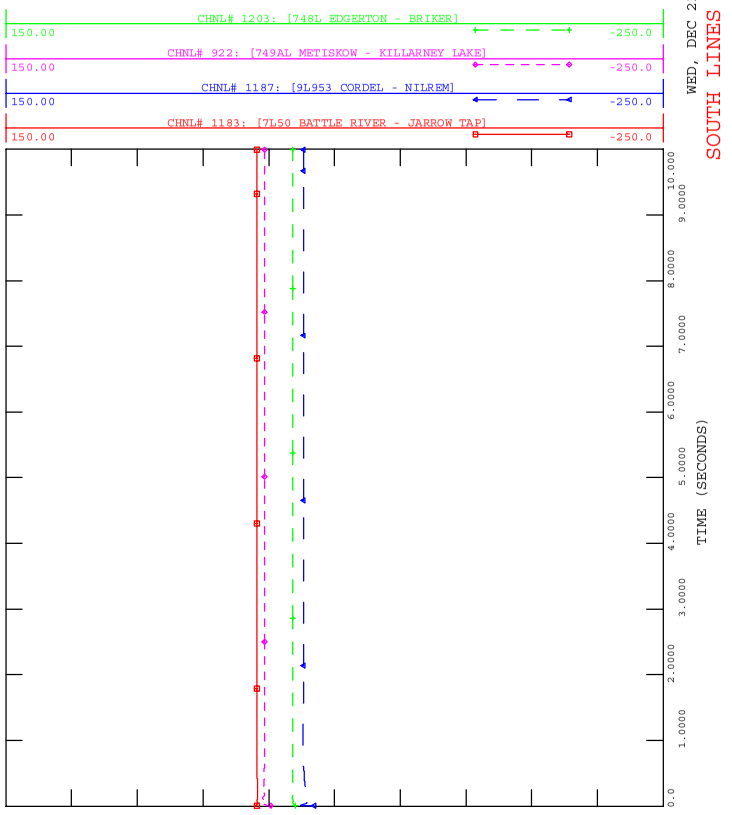
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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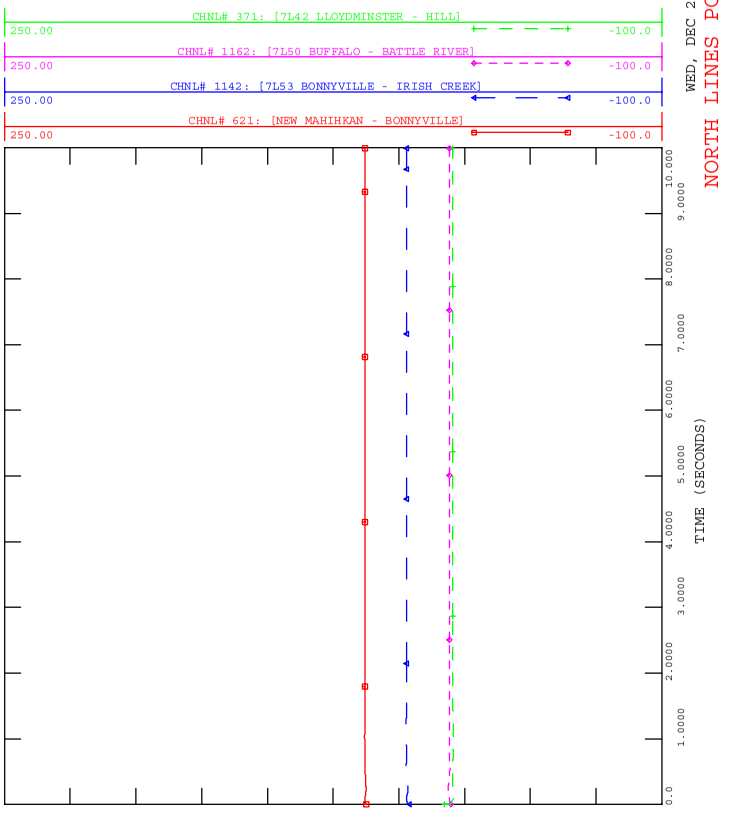
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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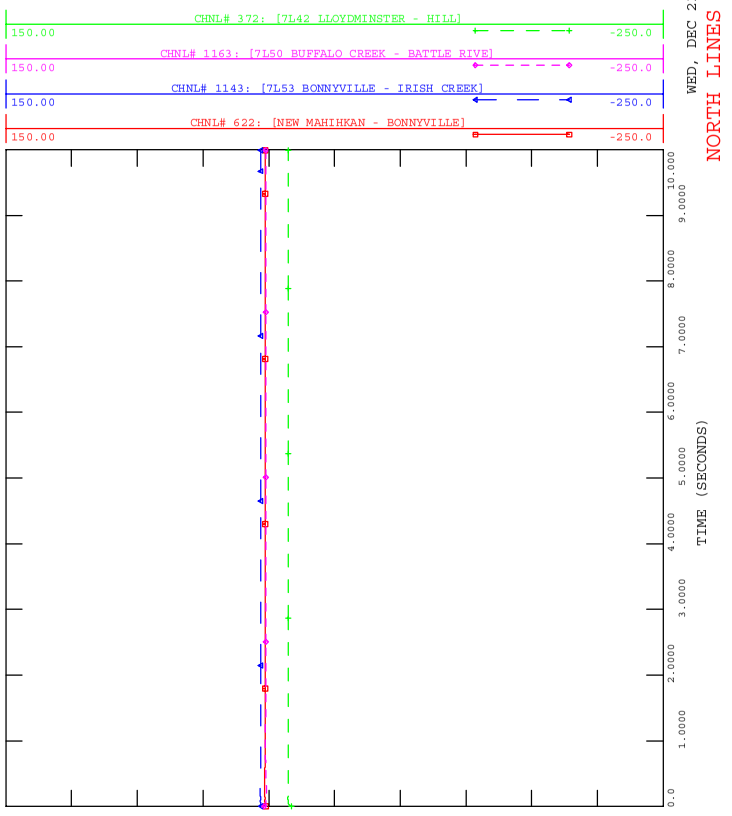
CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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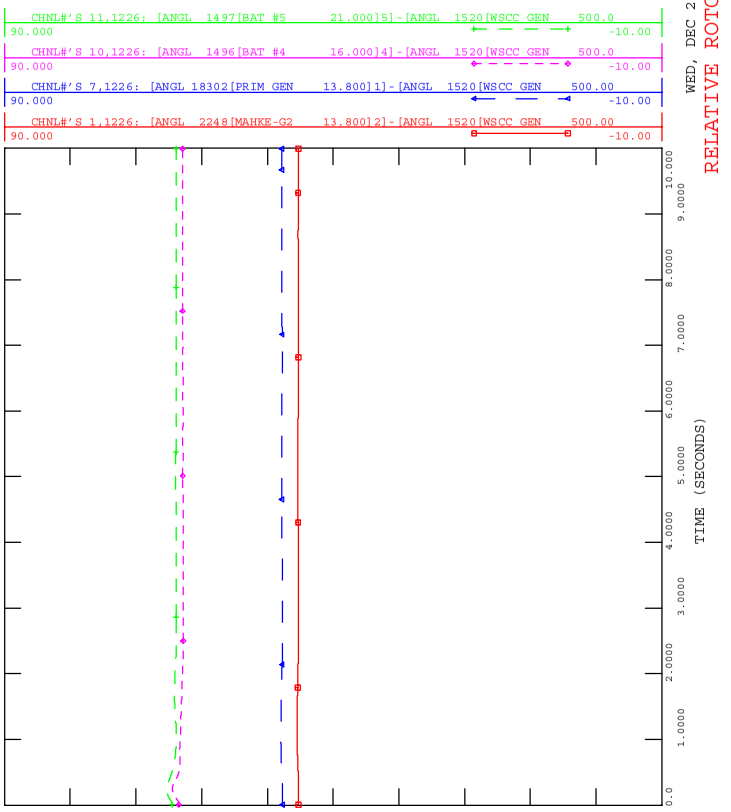


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

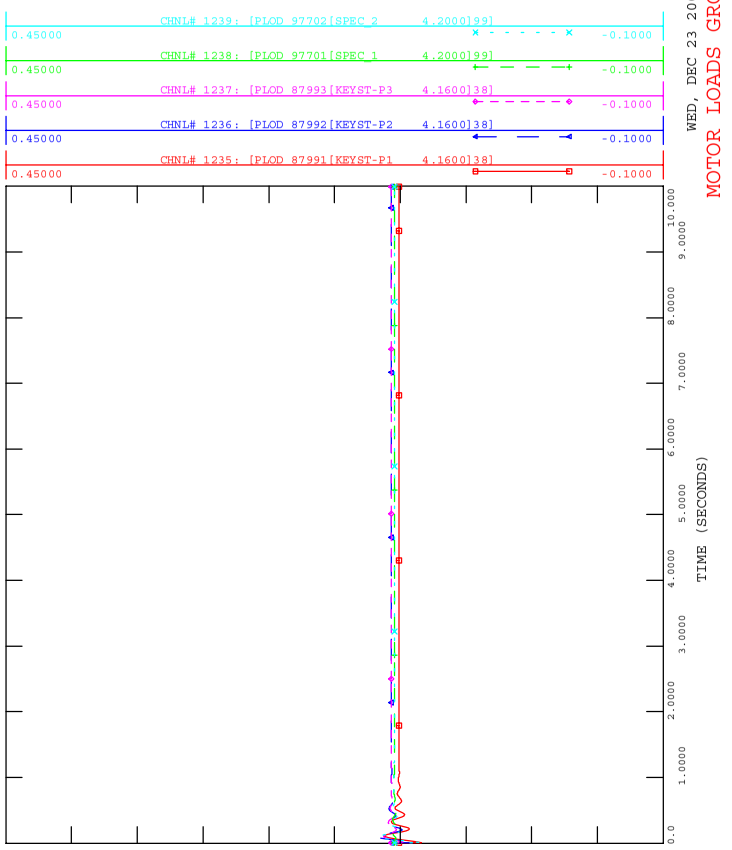


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D7-2Trip.out

WED, DEC 23 2009 14:09

MOTOR LOADS GROUP II

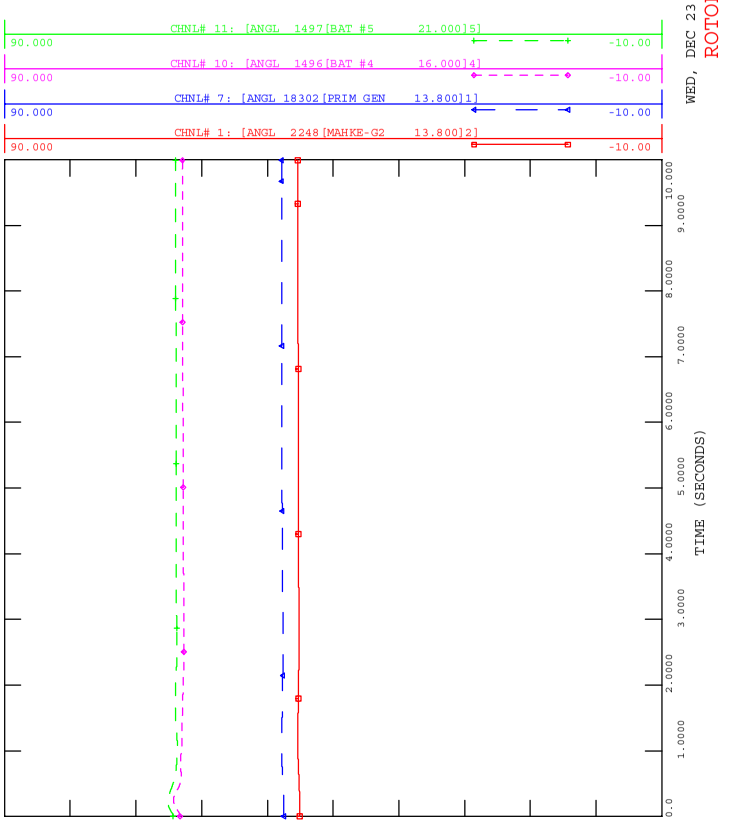


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

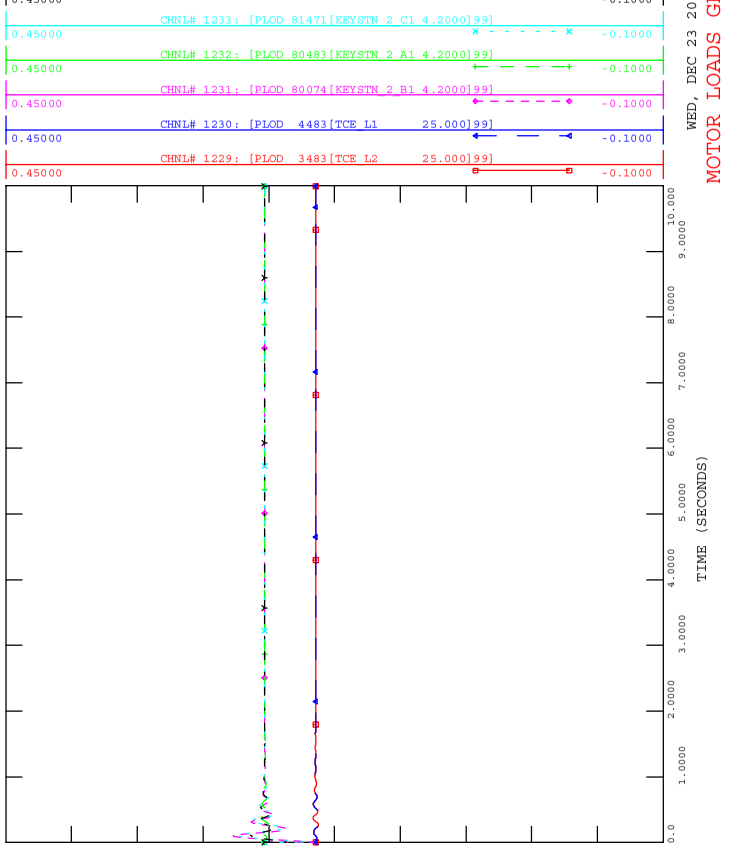


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP I

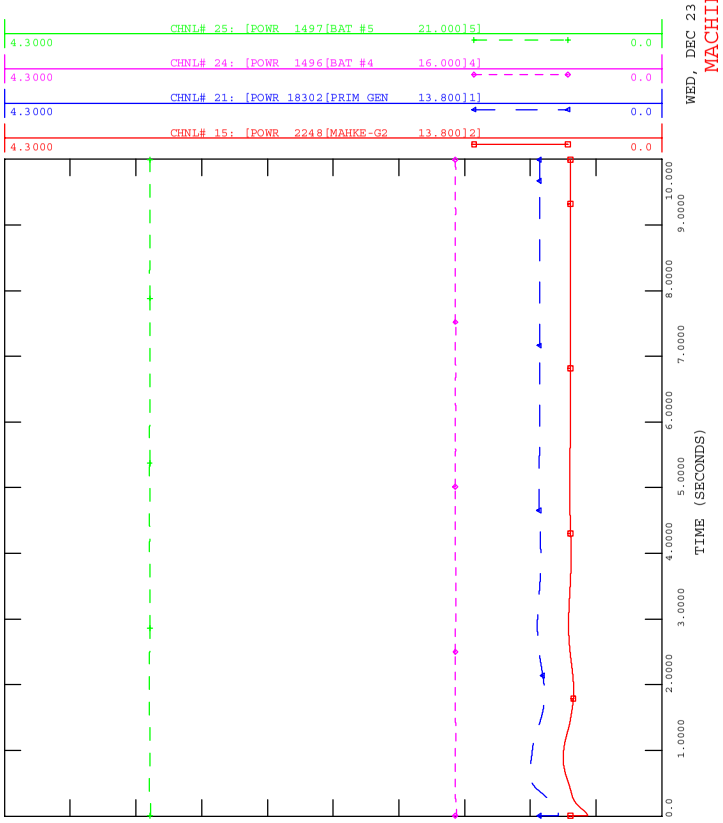


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE POWER

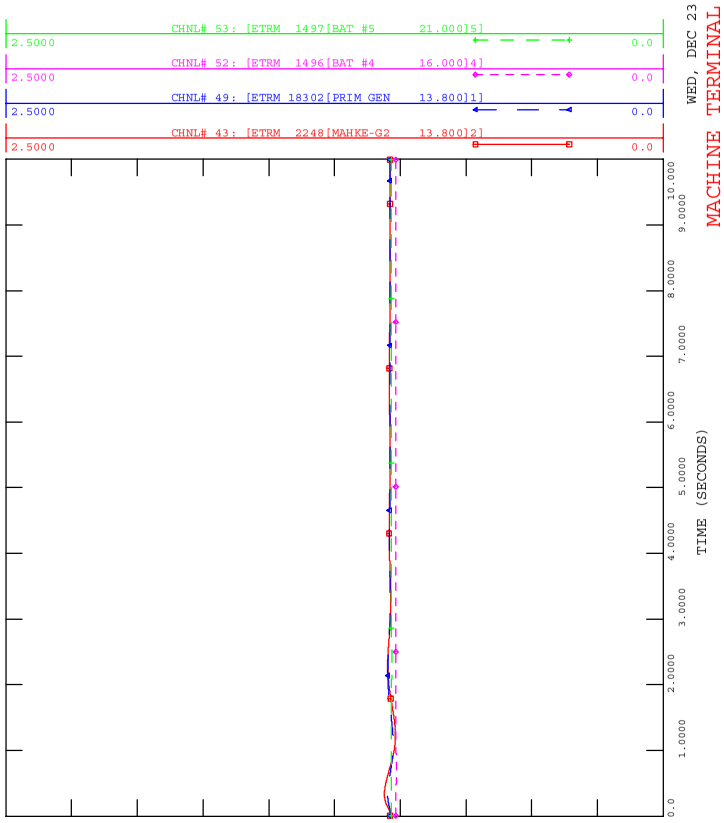


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE TERMINAL VOLTAGE

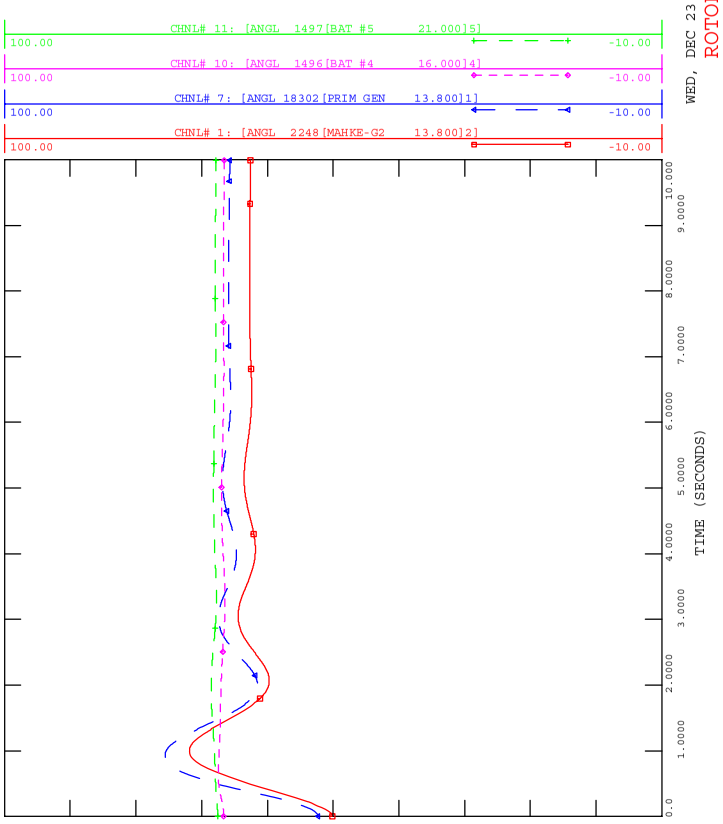


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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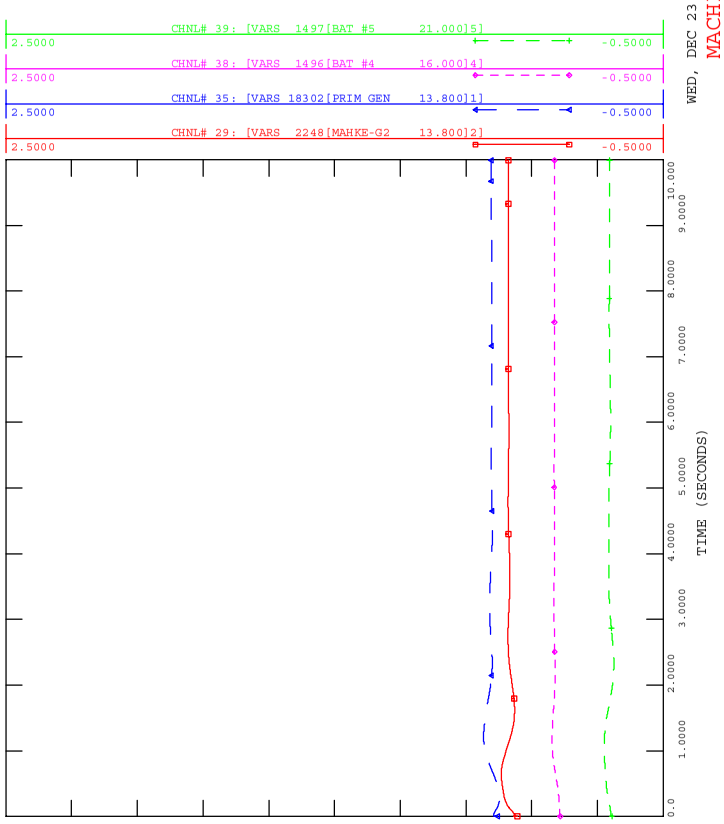


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

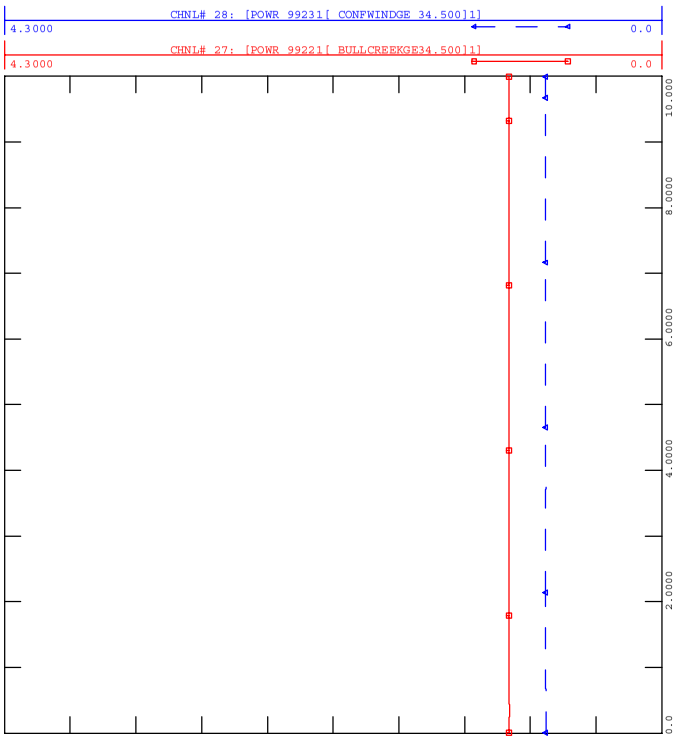


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

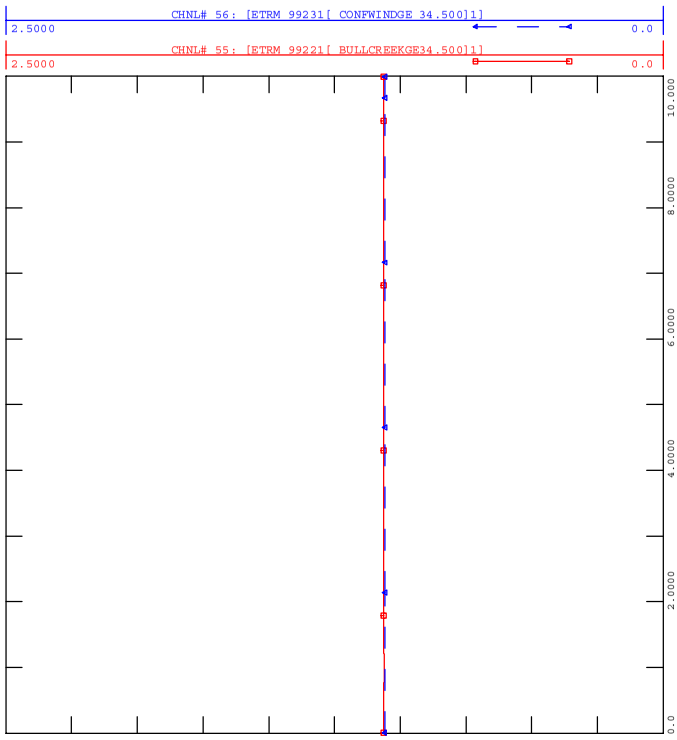


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-1Trip.out

WED, DEC 23 2009 14:09

WIND MACH. TERMINAL VOLTS

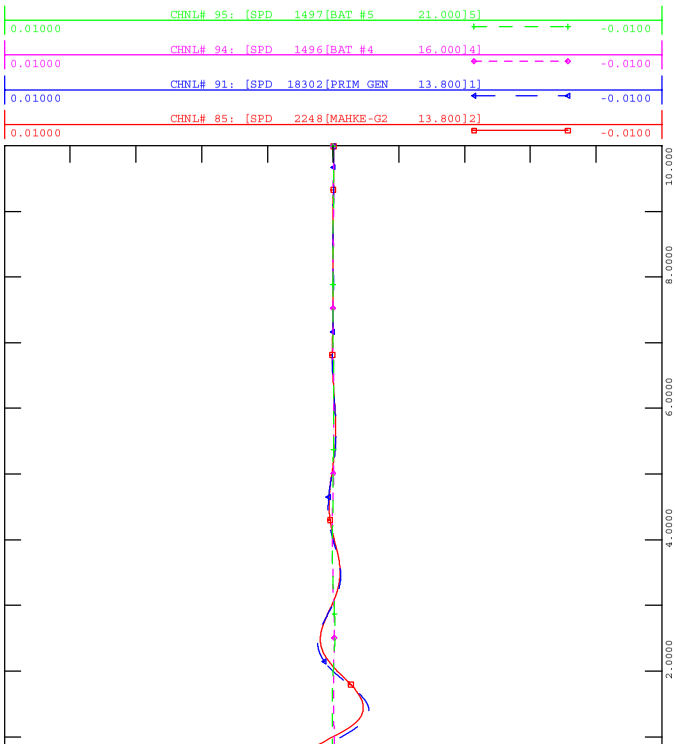


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

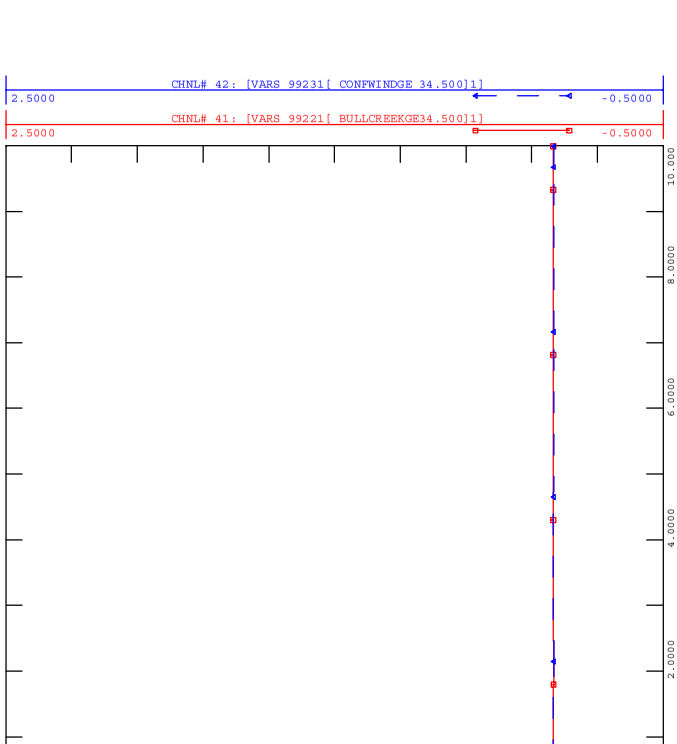


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

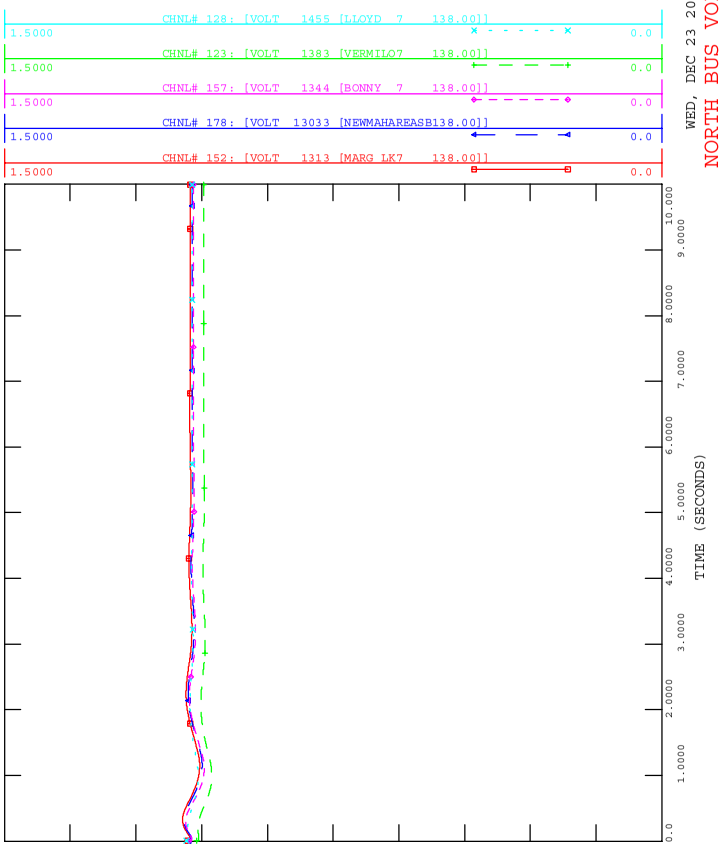


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH BUS VOLTAGES

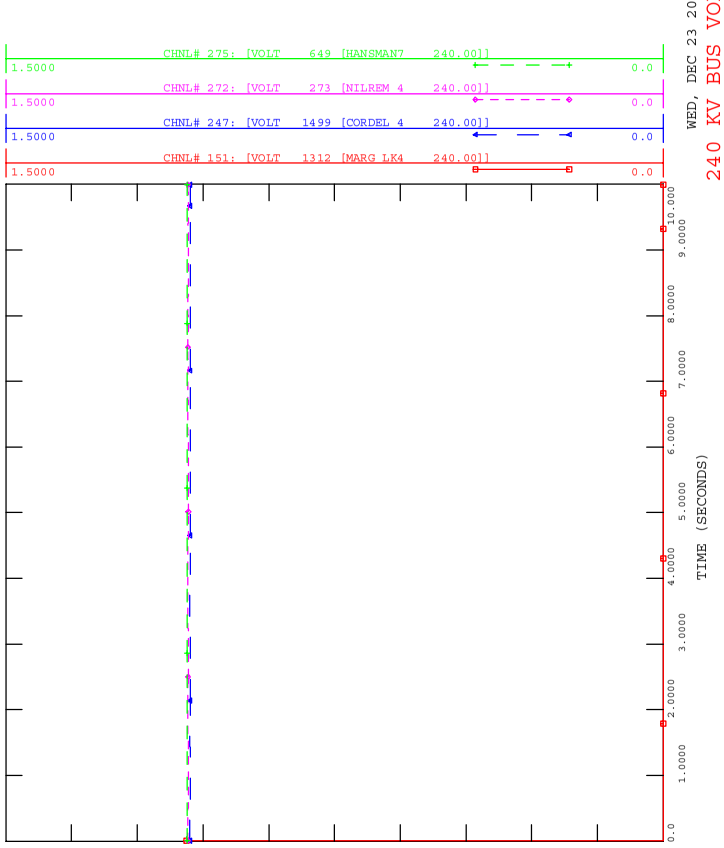


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

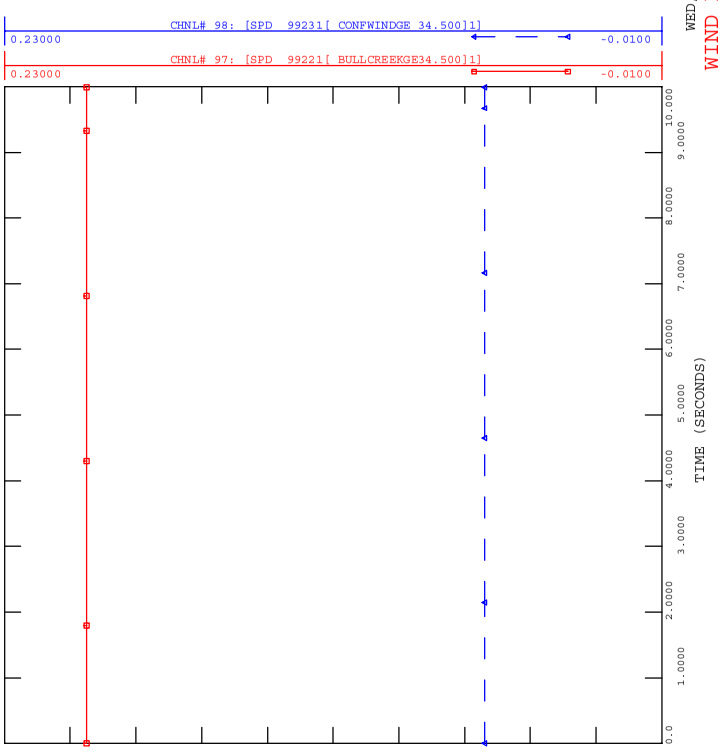


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

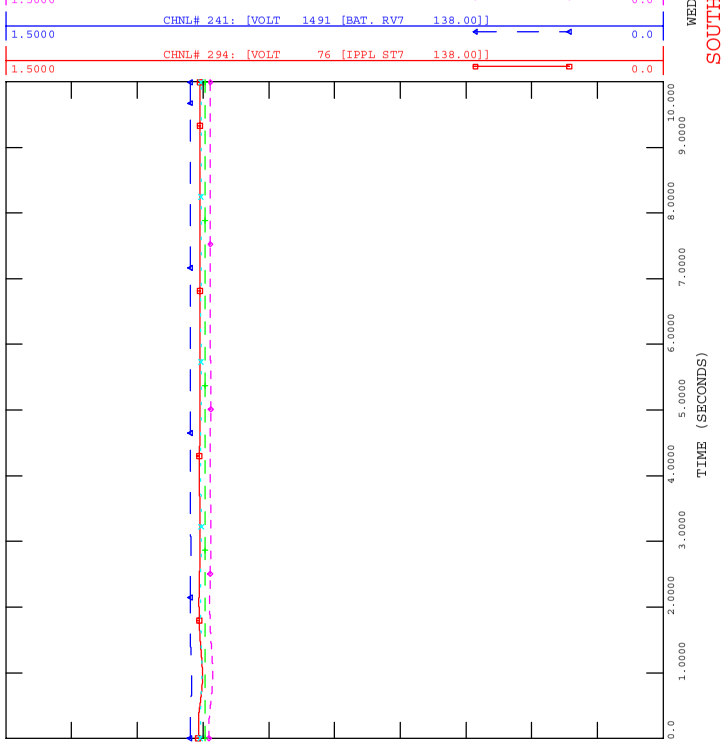


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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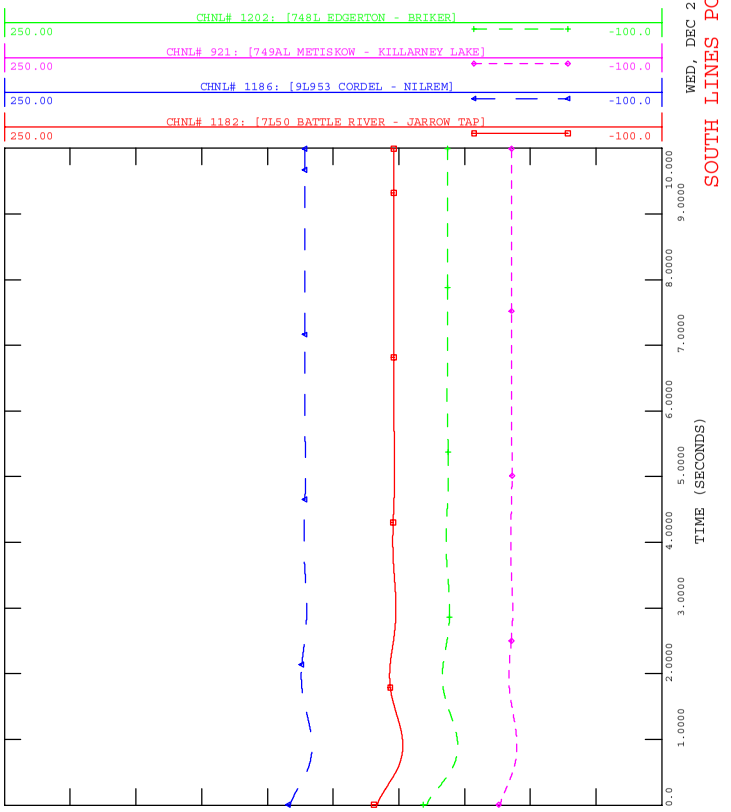
WED, DEC 23 2009 14:09

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-1Trip.out

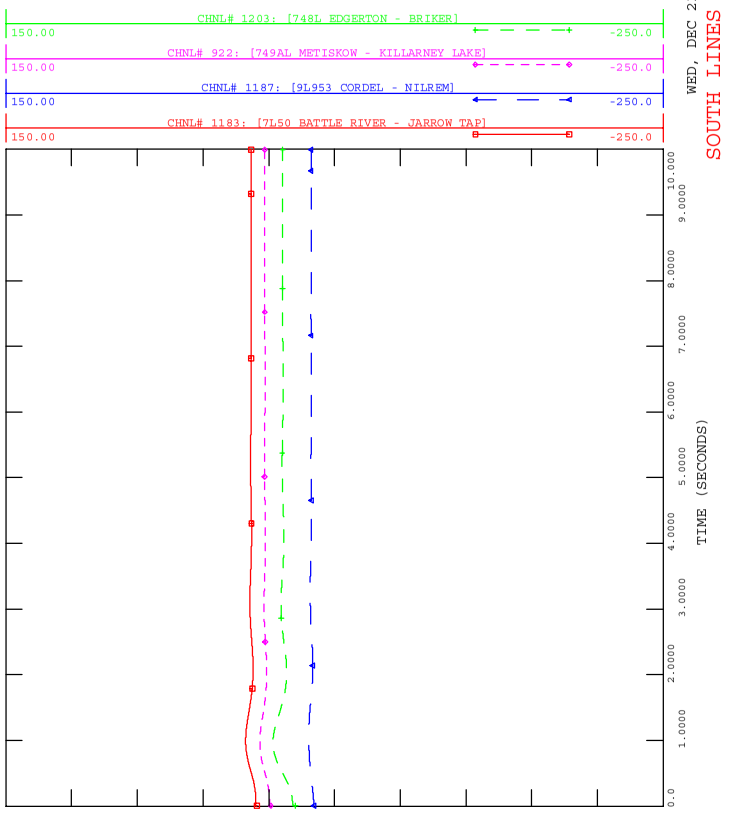


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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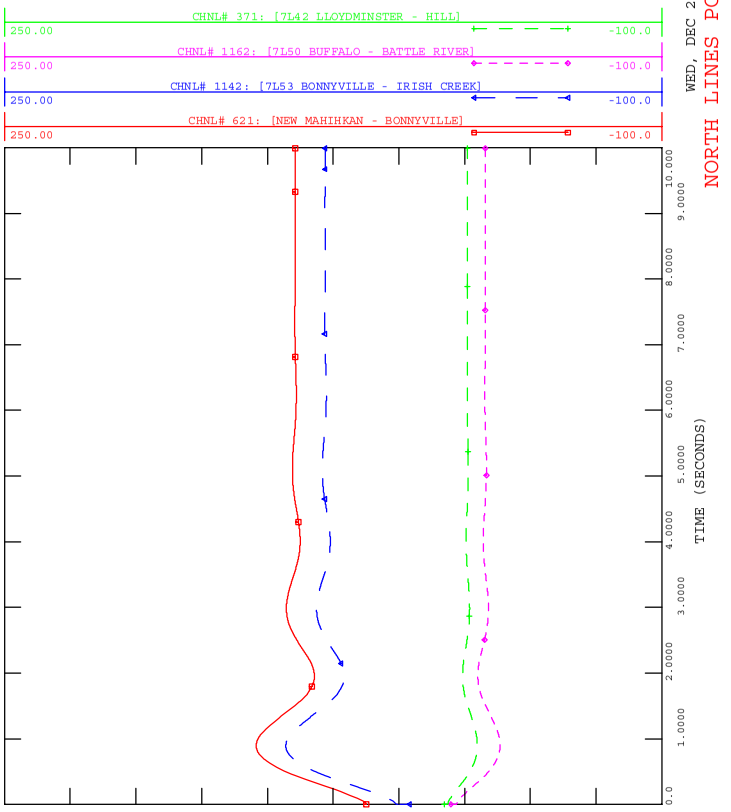


WED, DEC 23 2009 14:09

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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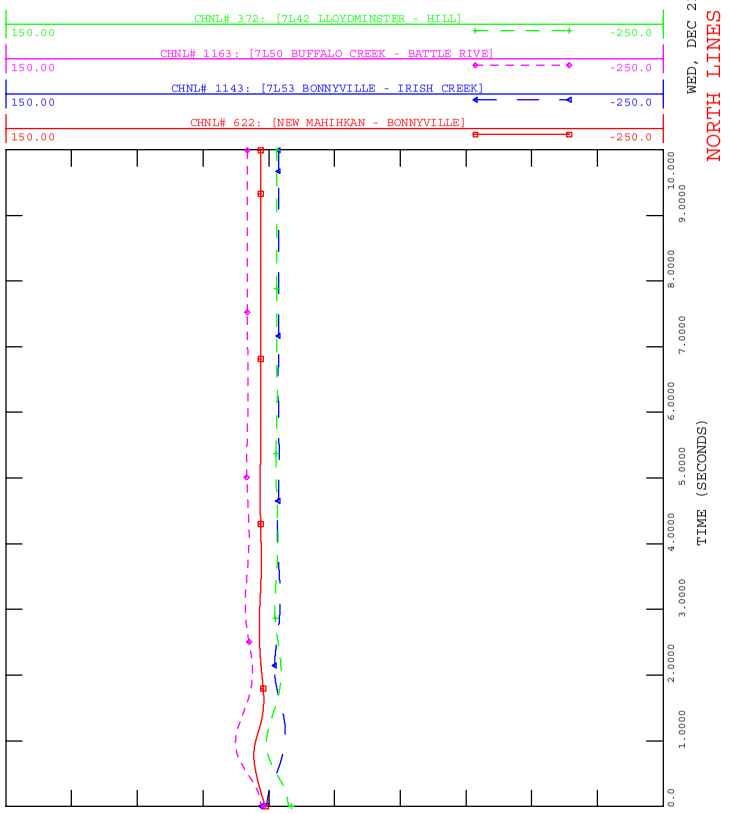


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NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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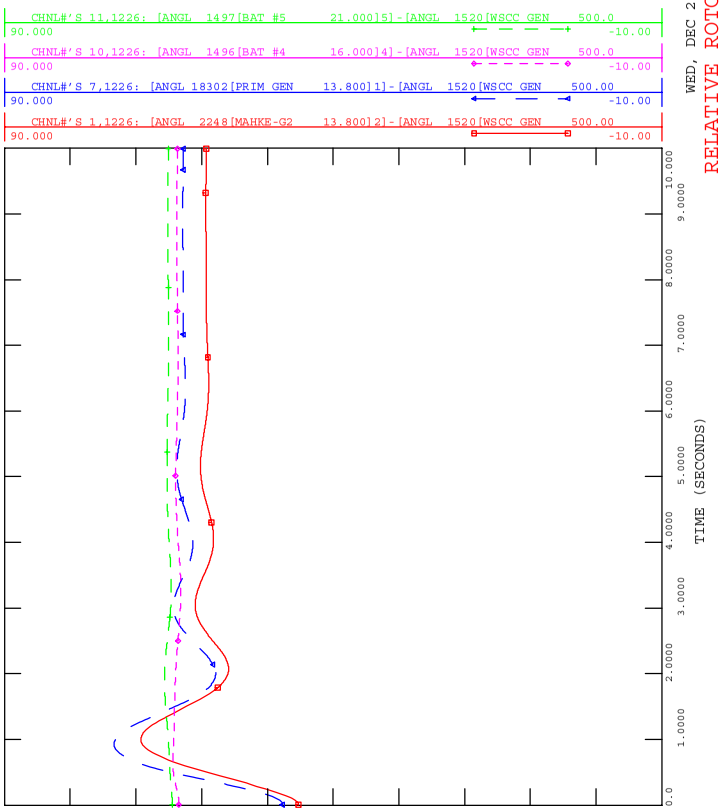
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

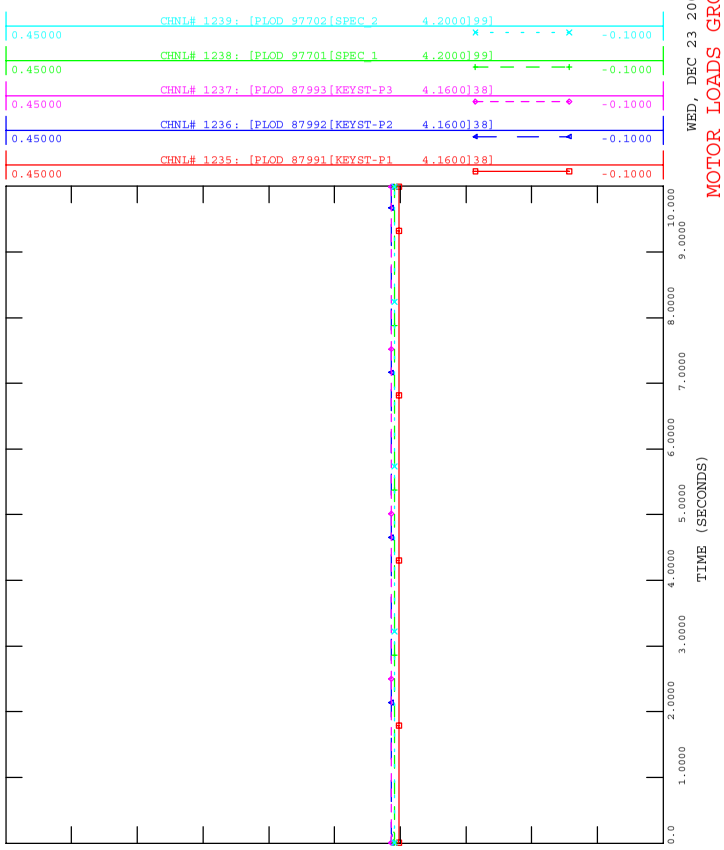


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-1Trip.out

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MOTOR LOADS GROUP II

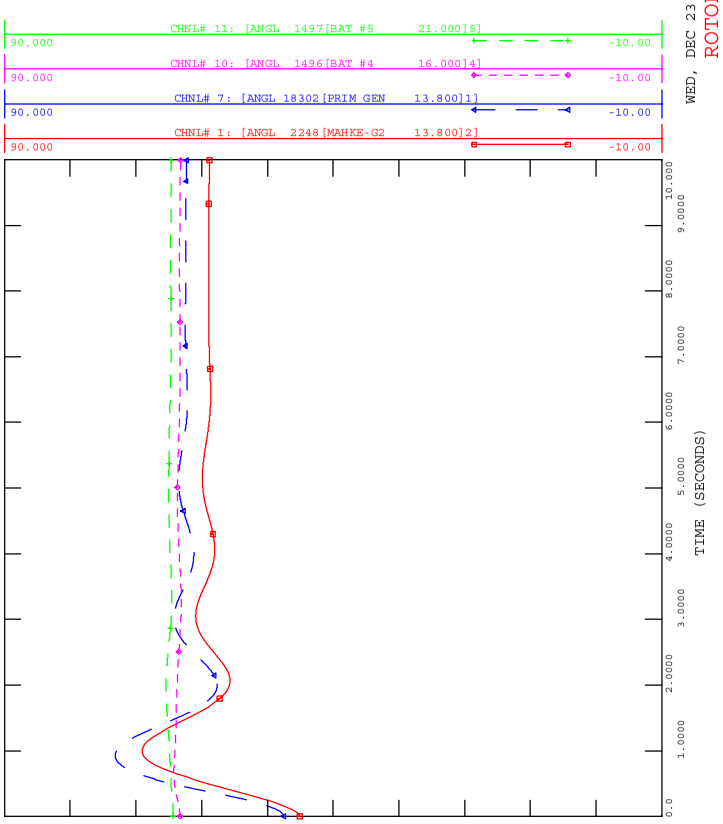


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

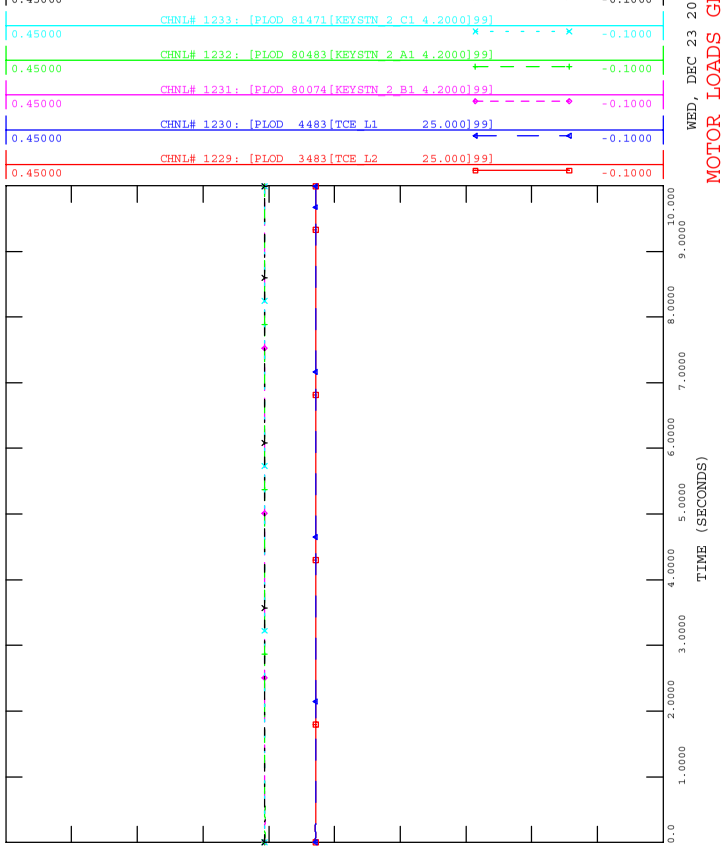


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP I

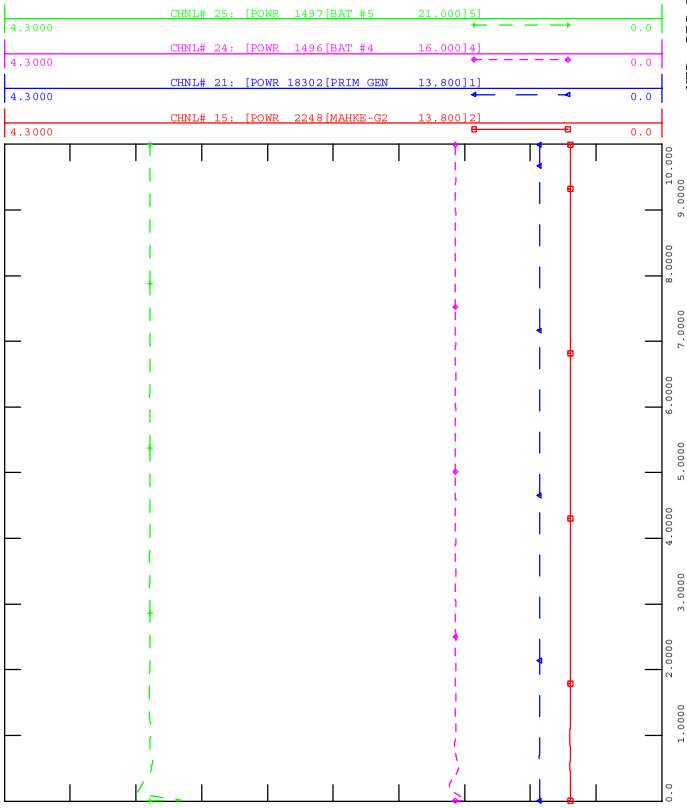


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-2Trip.out

WED, DEC 23 2009 14:09

MACHINE POWER

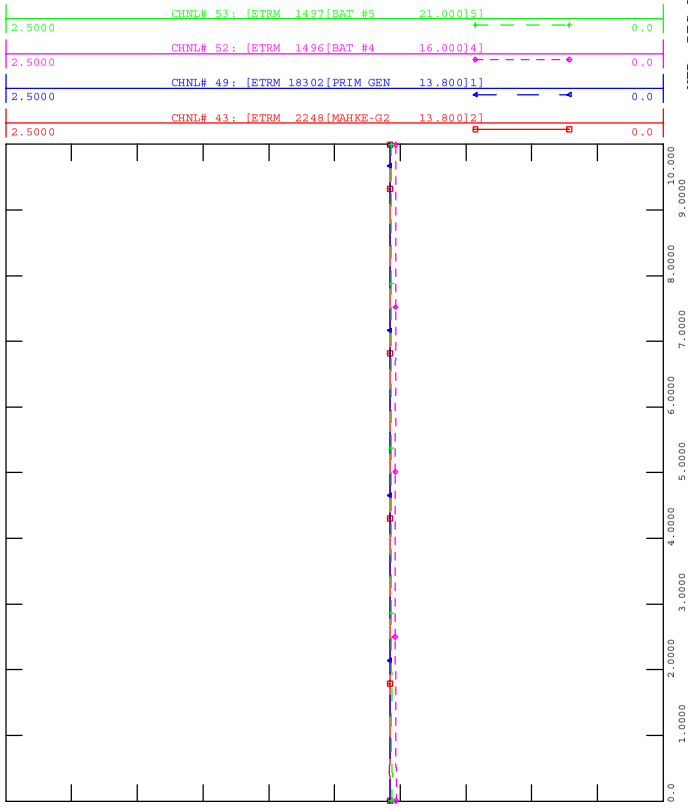


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE TERMINAL VOLTAGE

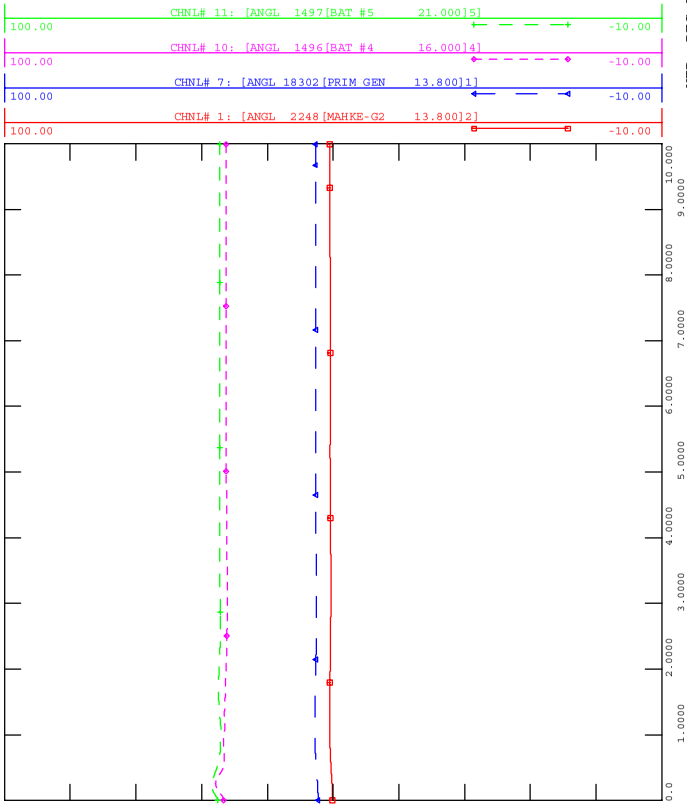


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

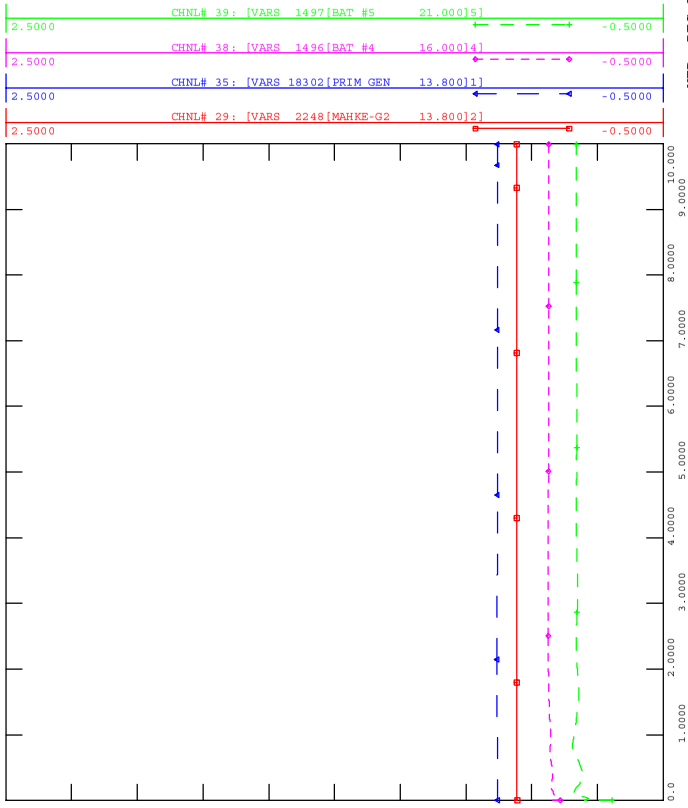


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

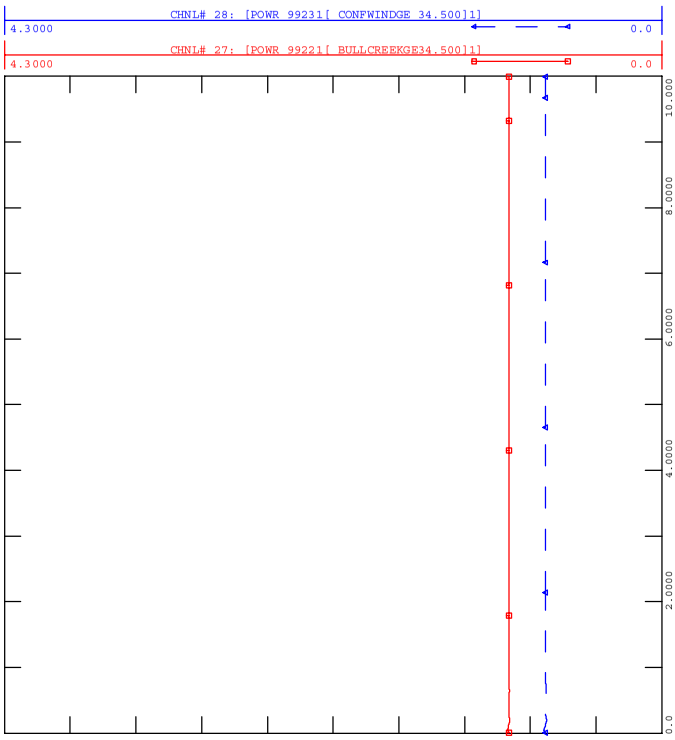


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-2Trip.out

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WIND MACHINE POWER

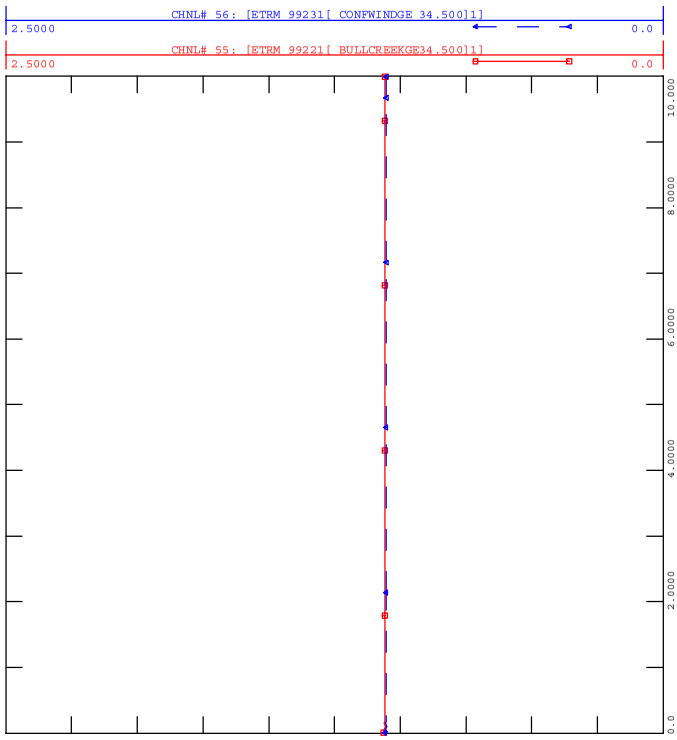


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-2Trip.out

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WIND MACH. TERMINAL VOLTS

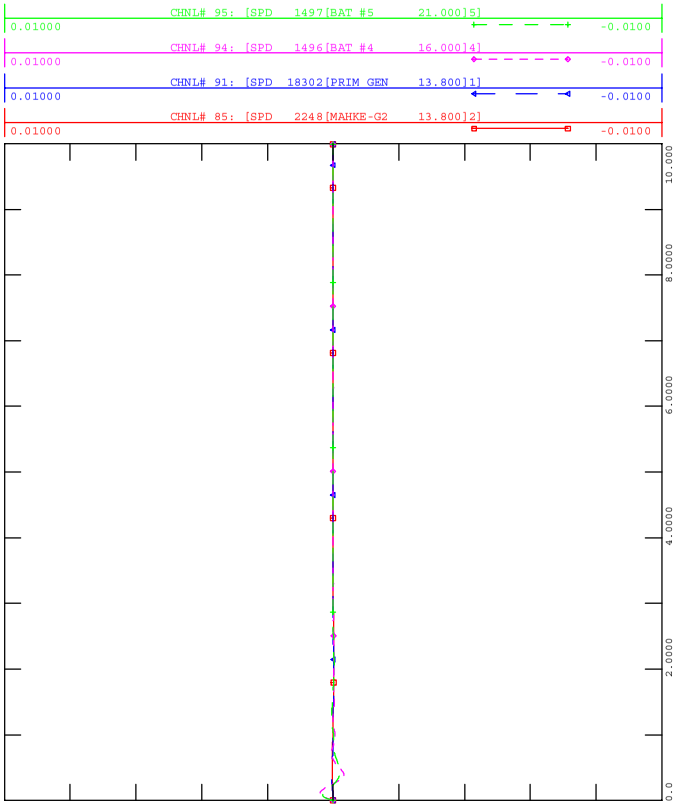


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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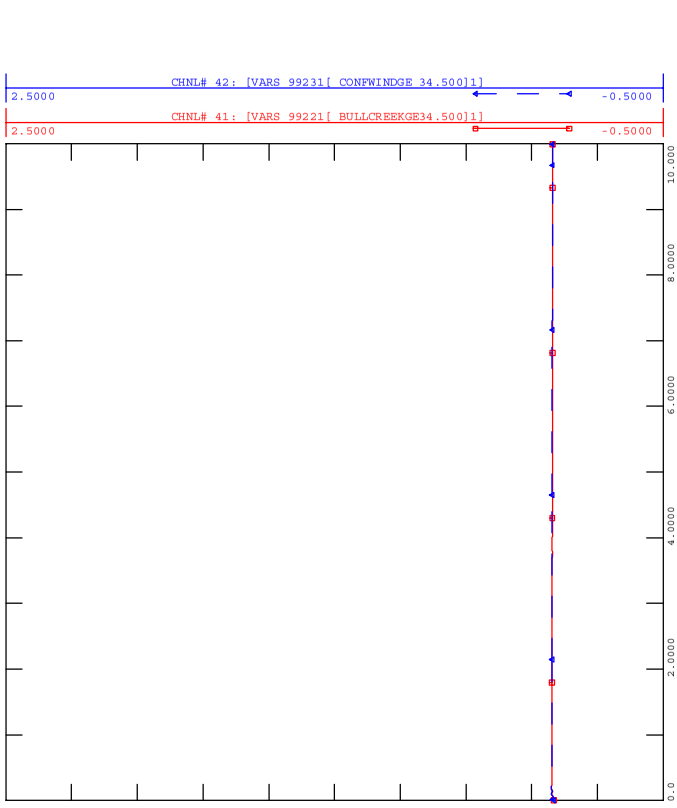


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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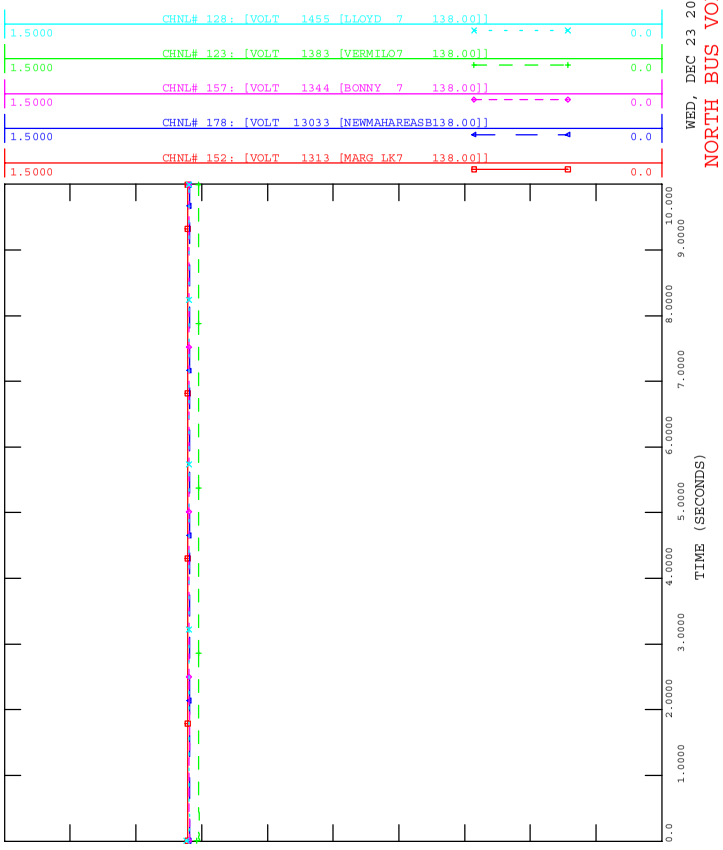
WED, DEC 23 2009 14:09

WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-2Trip.out

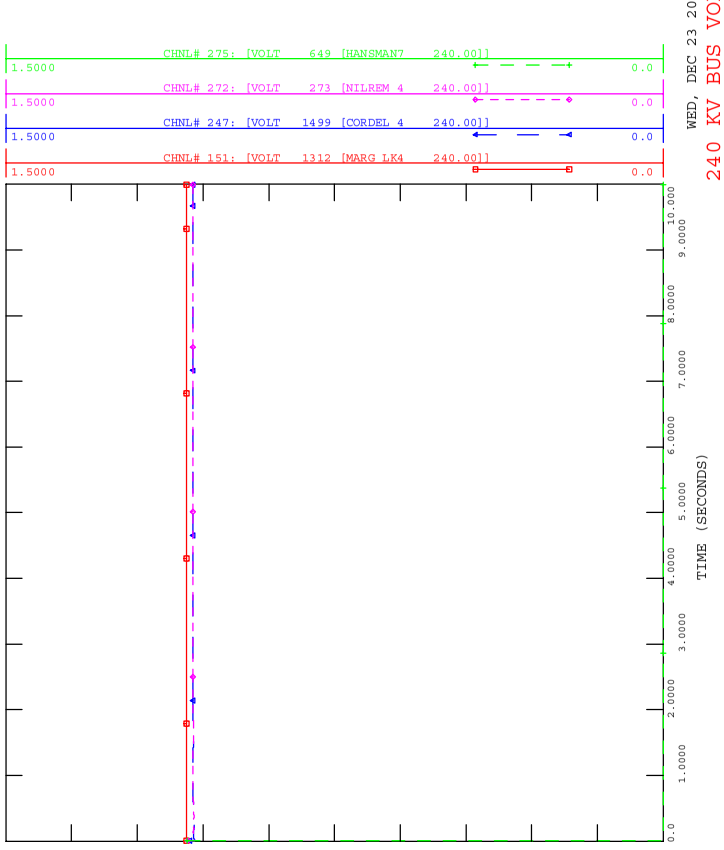


WED, DEC 23 2009 14:09

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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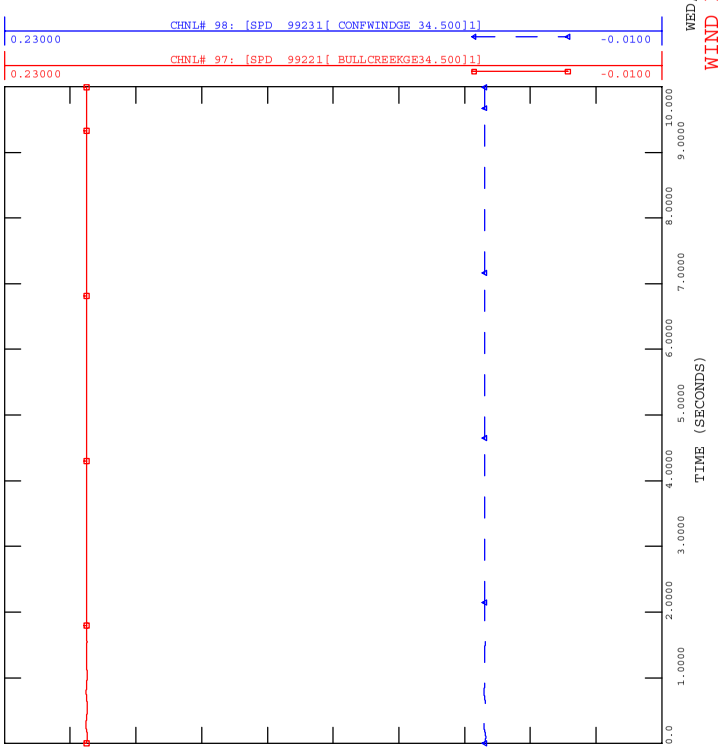


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240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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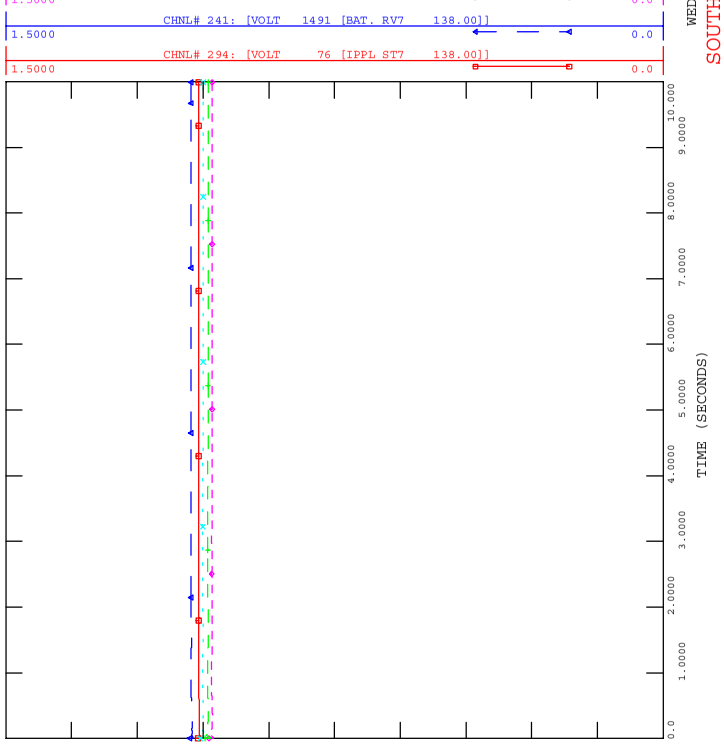


WED, DEC 23 2009 14:09

WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-2Trip.out



WED, DEC 23 2009 14:09

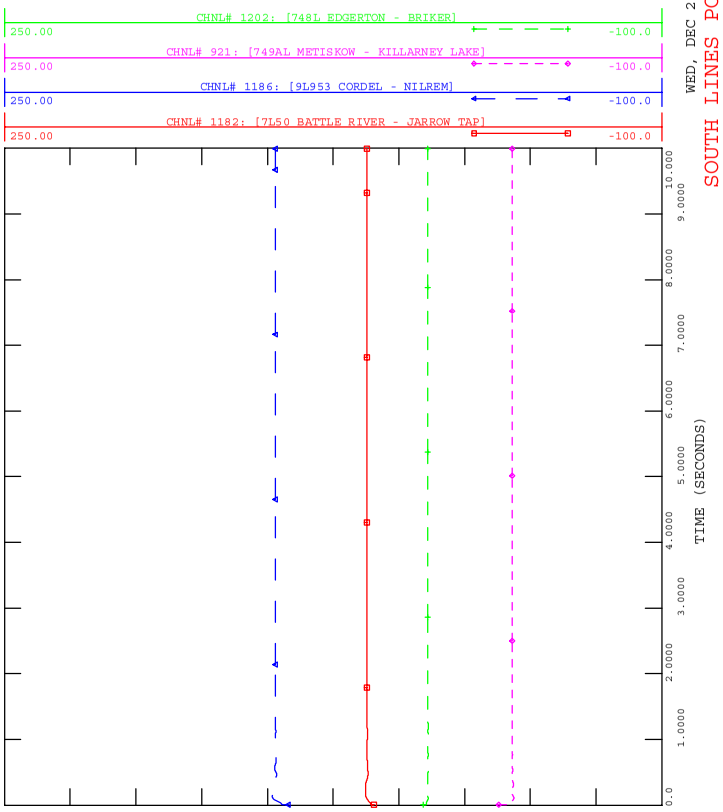
SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:10

SOUTH LINES POWER FLOW

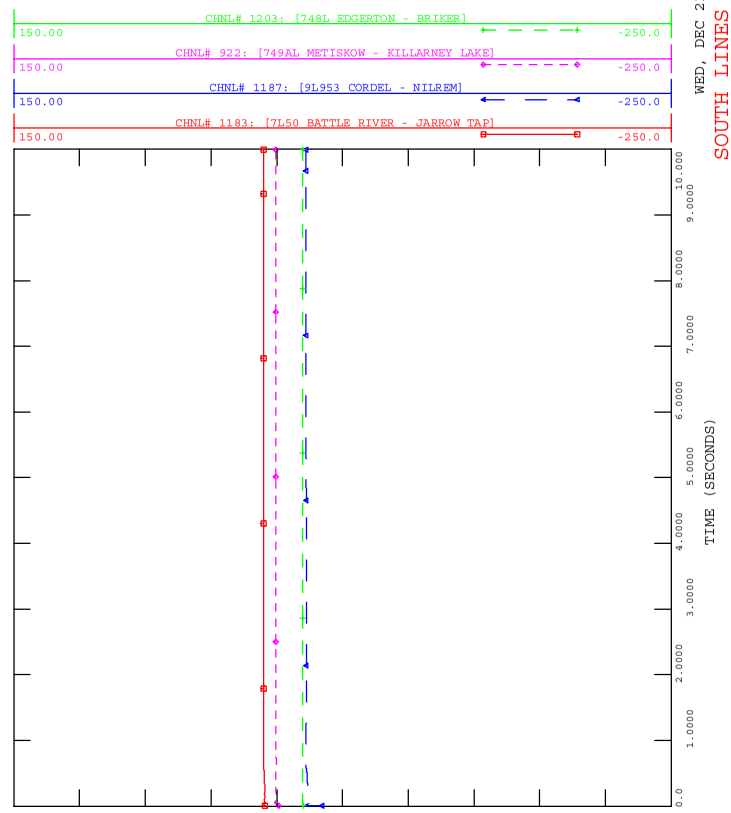


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:10

SOUTH LINES VAR FLOW

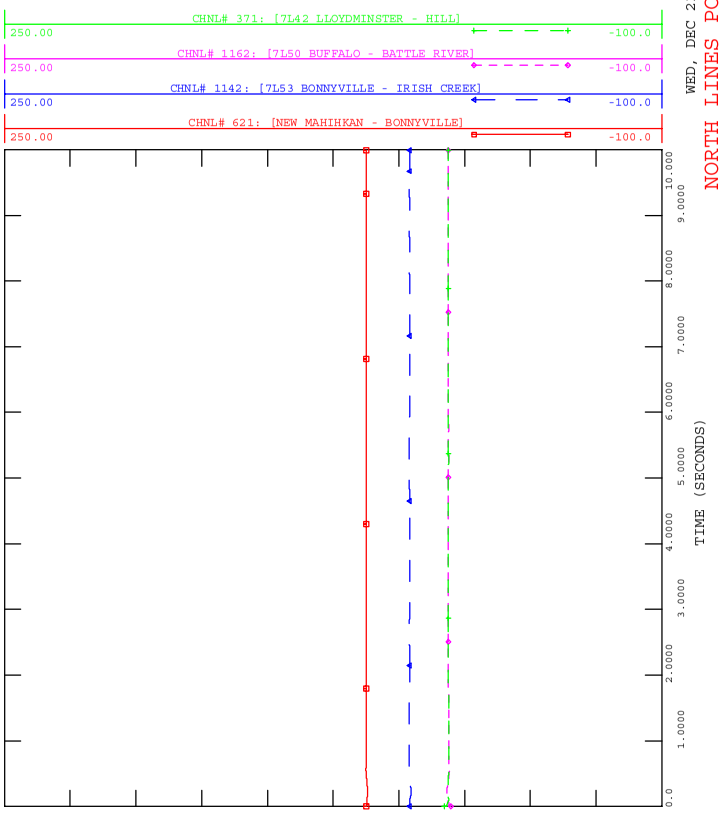


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

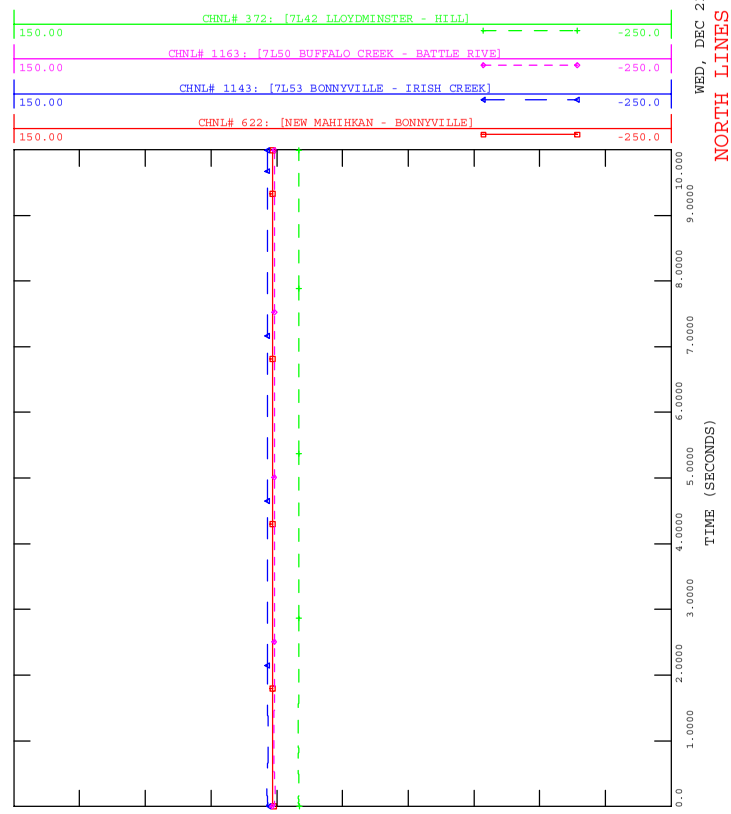


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

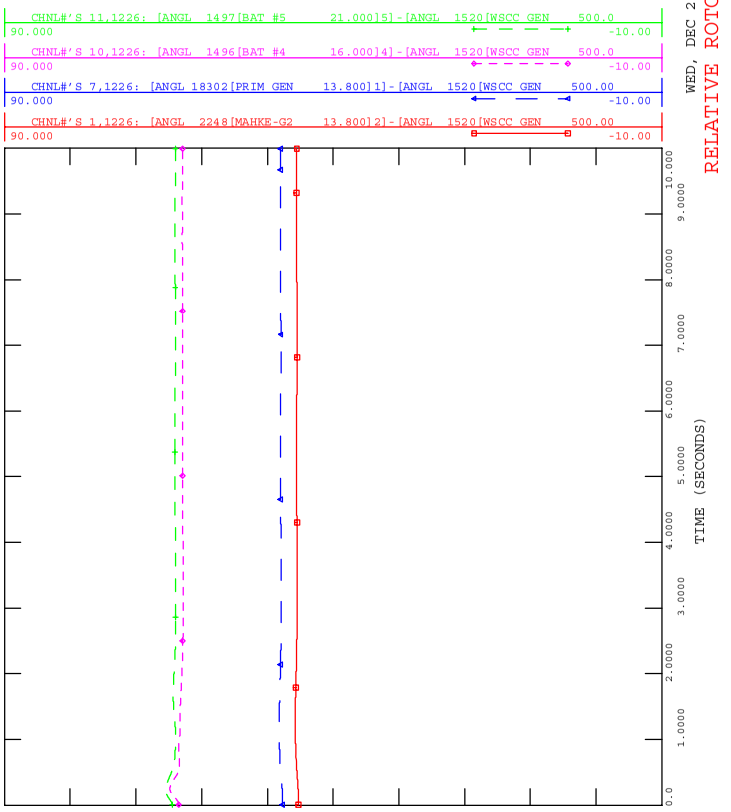


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

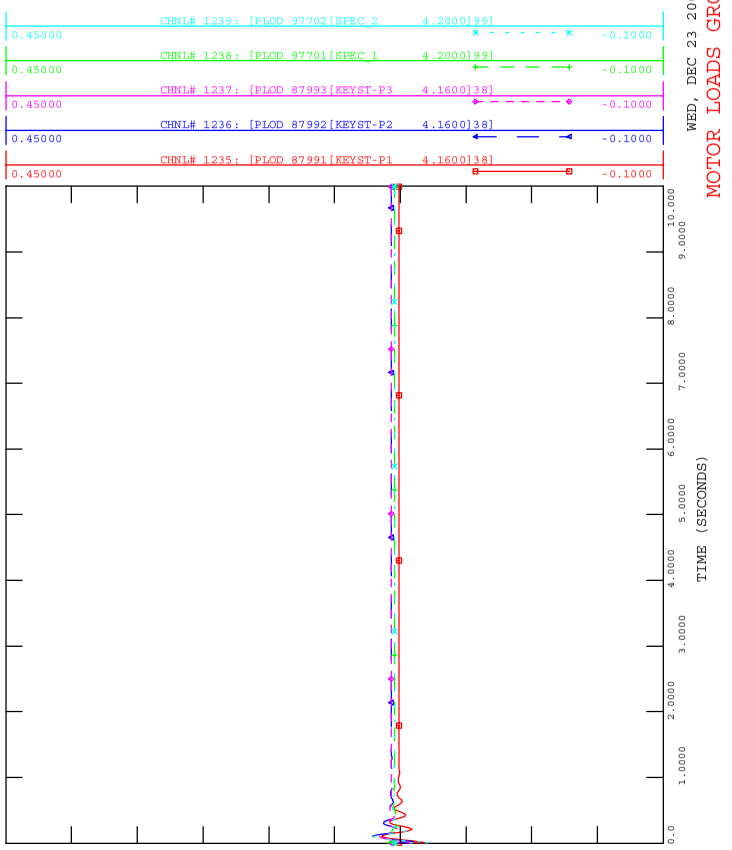


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D8-2Trip.out

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MOTOR LOADS GROUP II

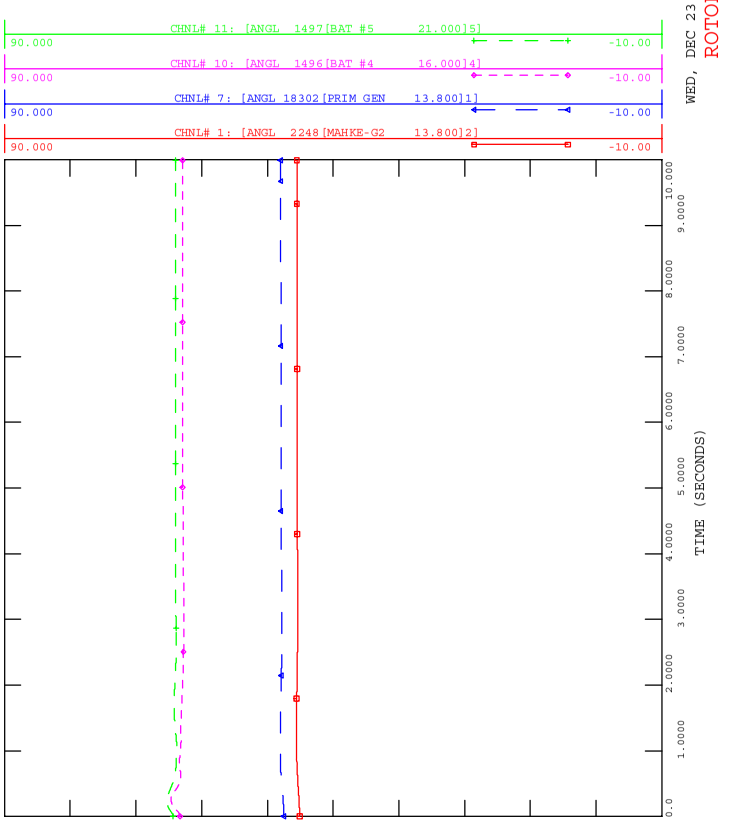


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

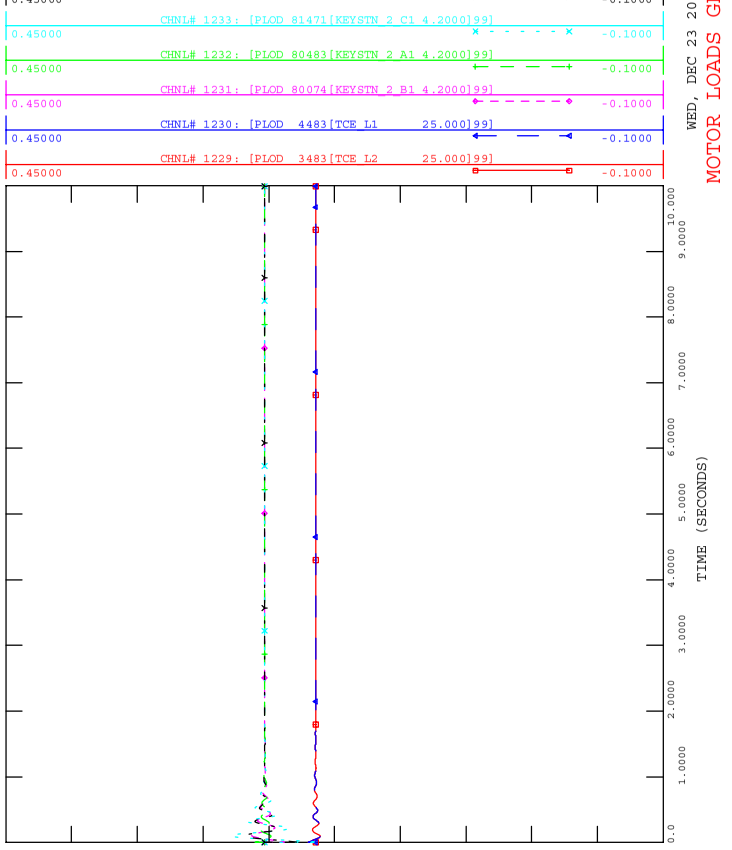


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP I

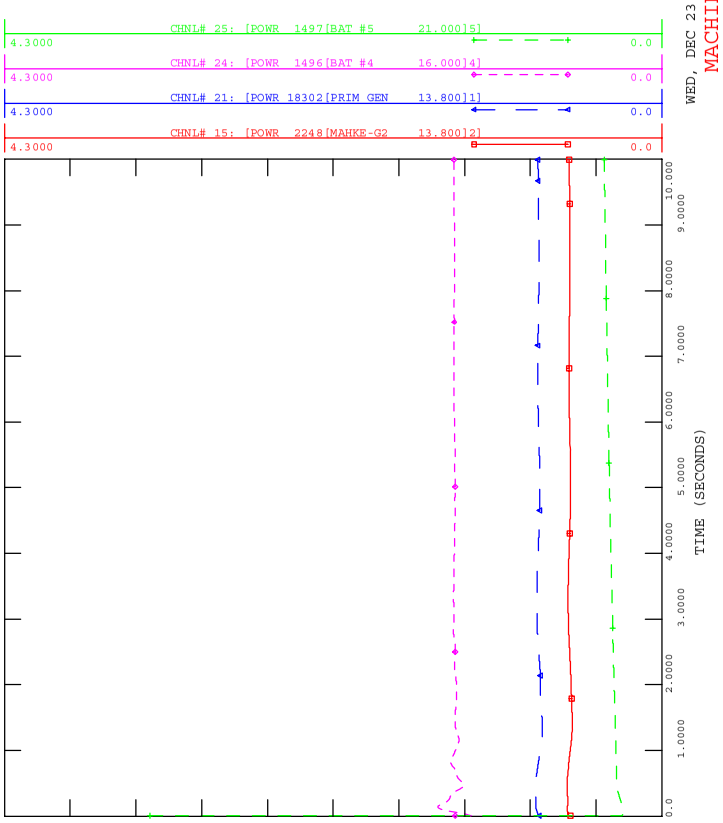


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE POWER

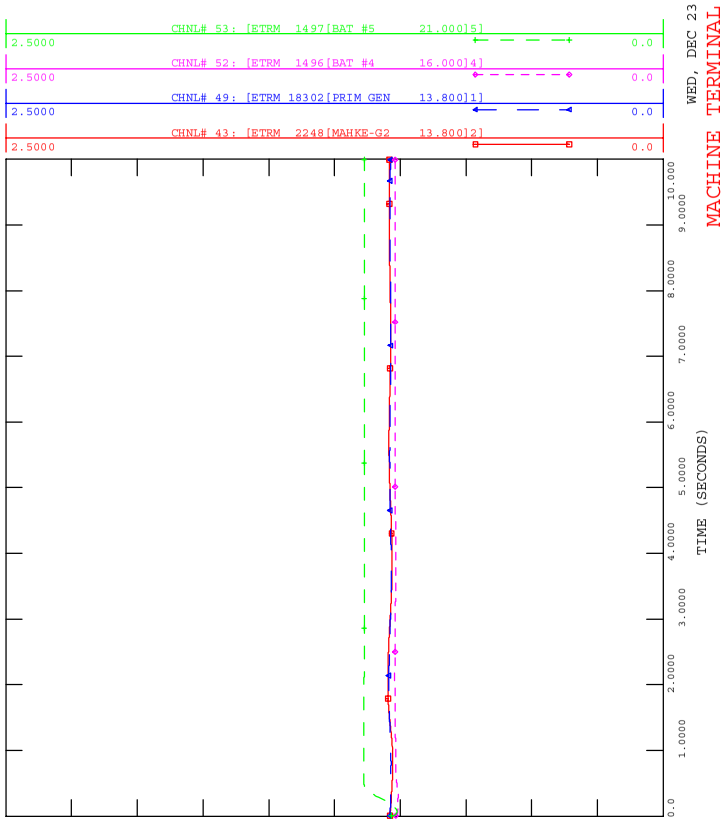


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE TERMINAL VOLTAGE

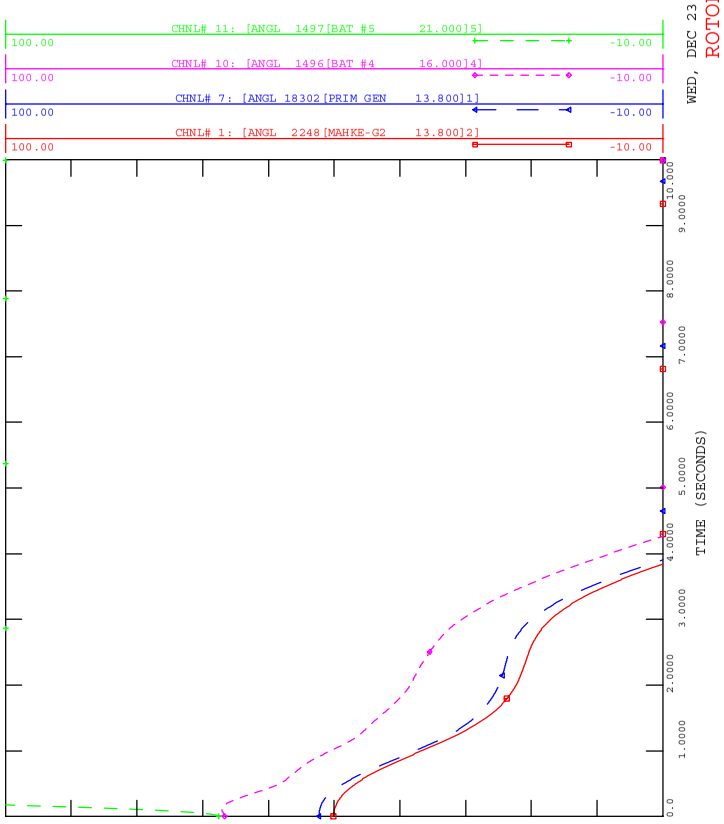


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

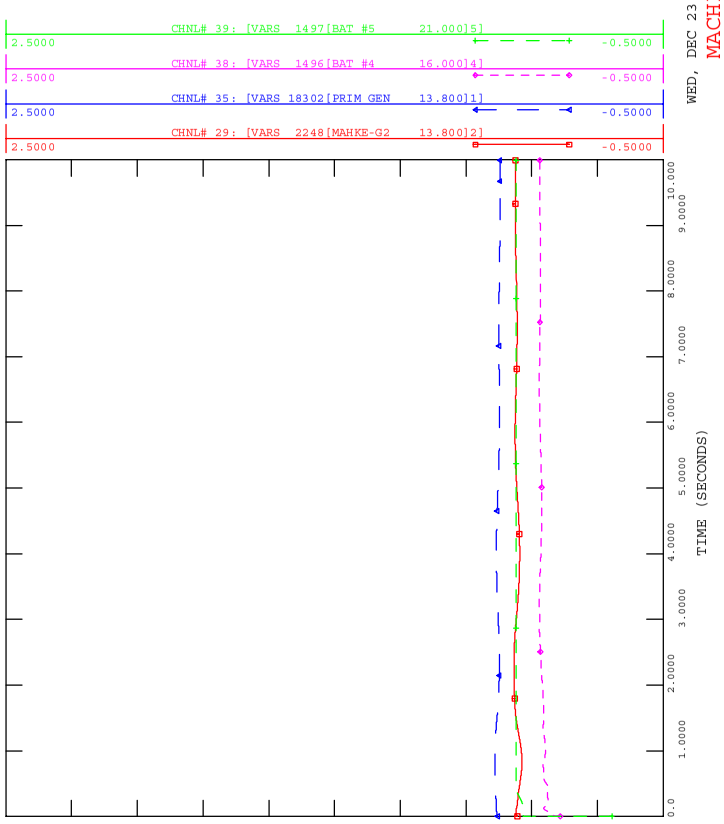


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE VARS

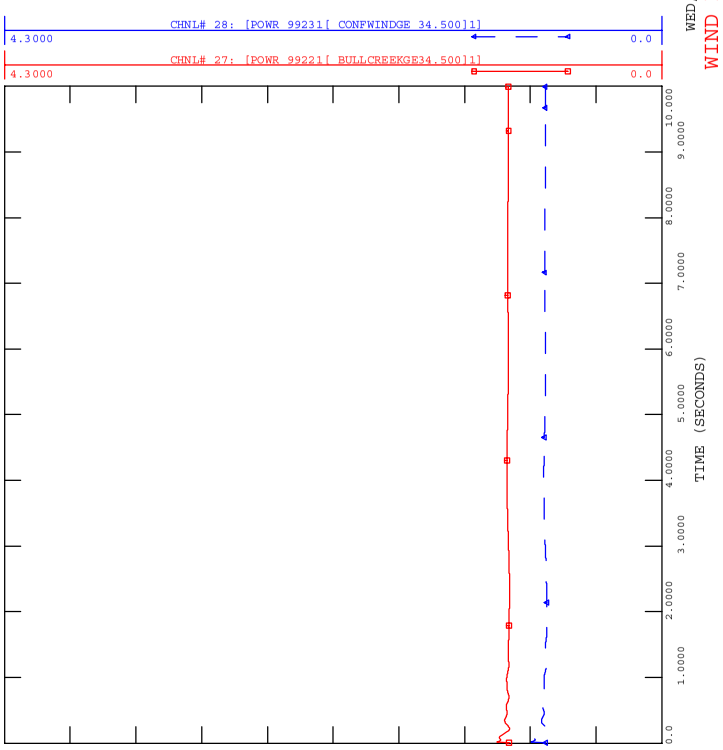


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE POWER

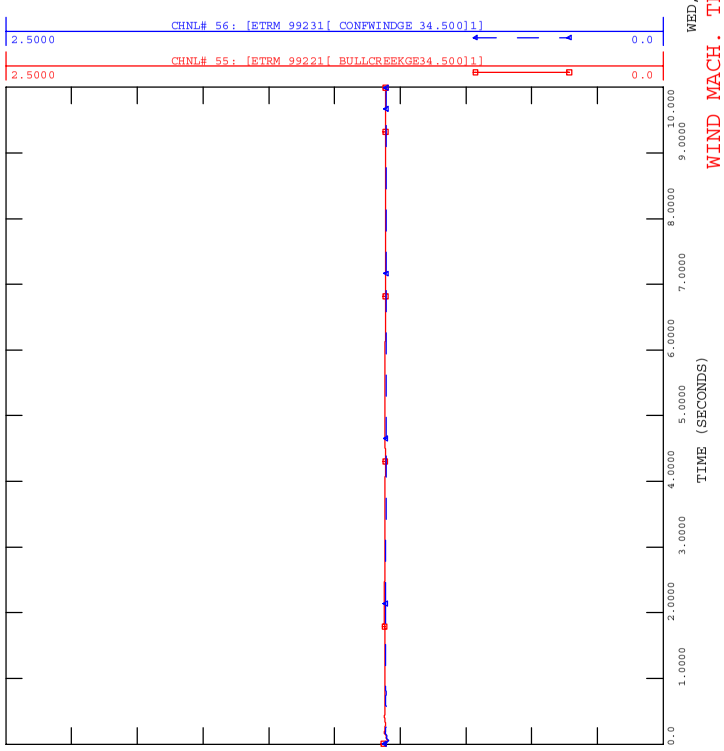


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACH. TERMINAL VOLTS

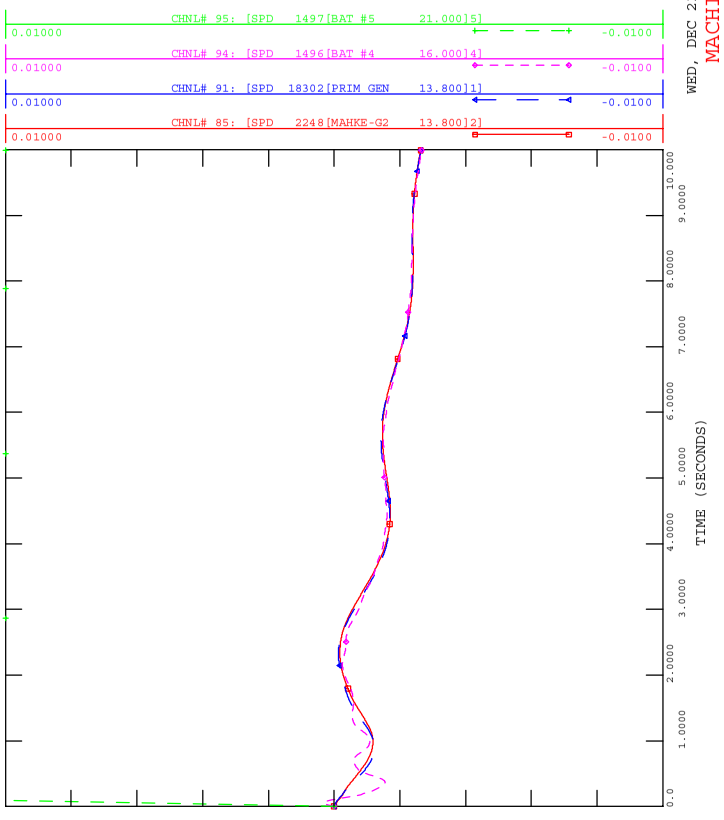


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

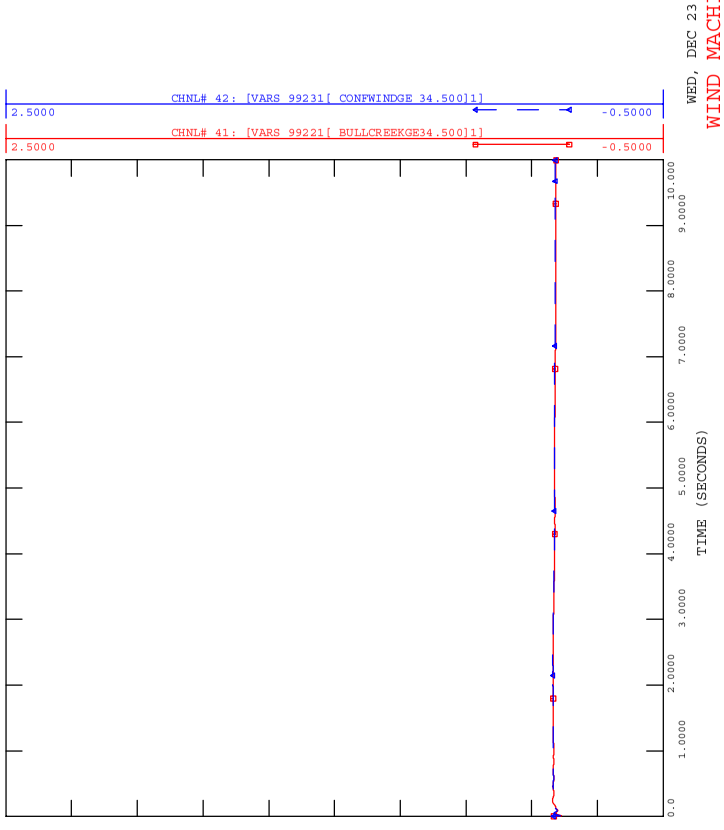


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

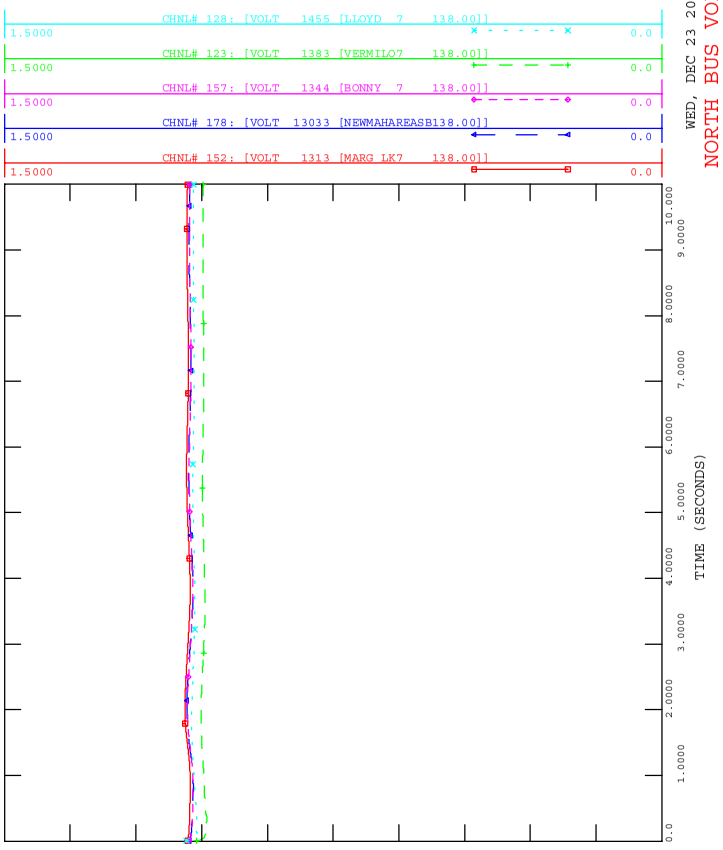


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH BUS VOLTAGES

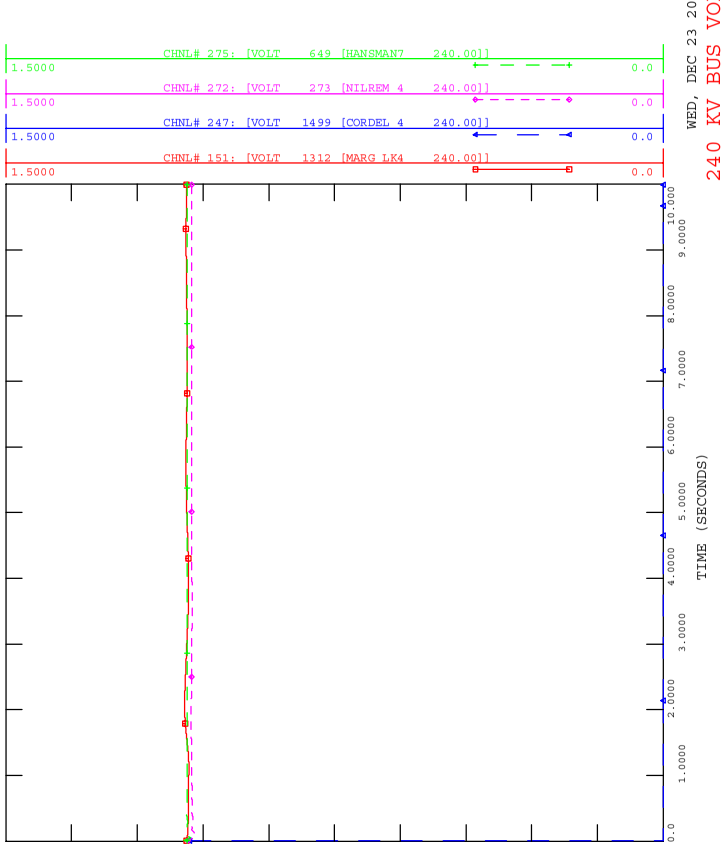


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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240 KV BUS VOLTAGES

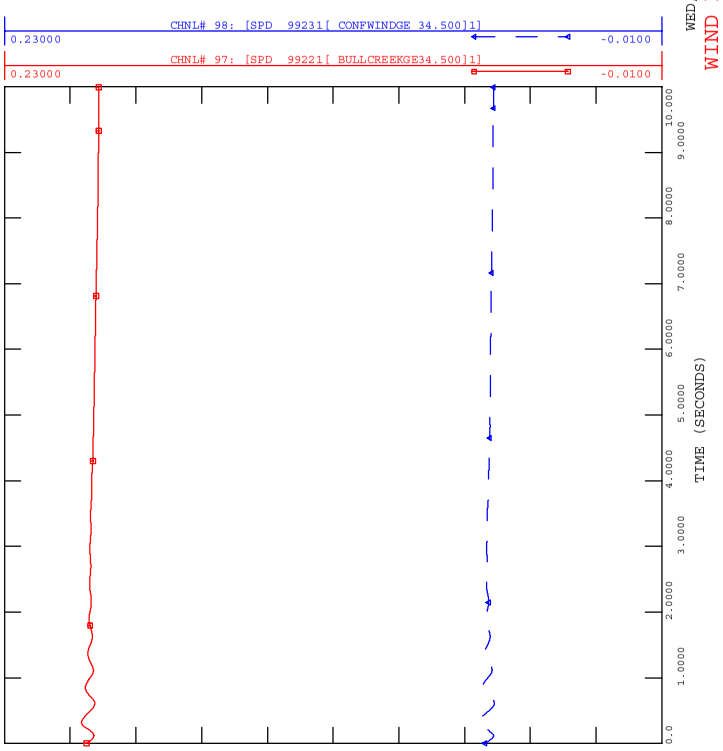


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE SPEED

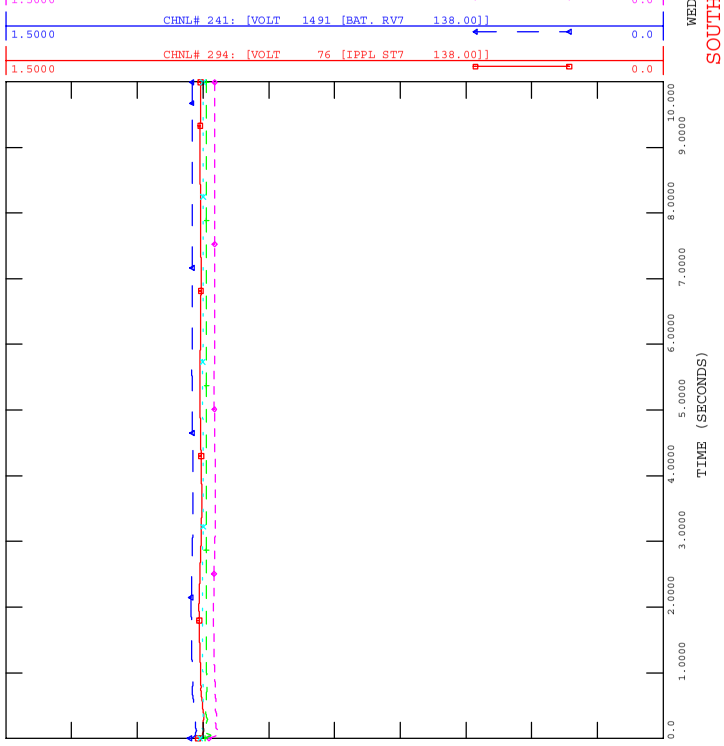


CENTRAL AREA STUDY
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SOUTH BUS VOLTAGES

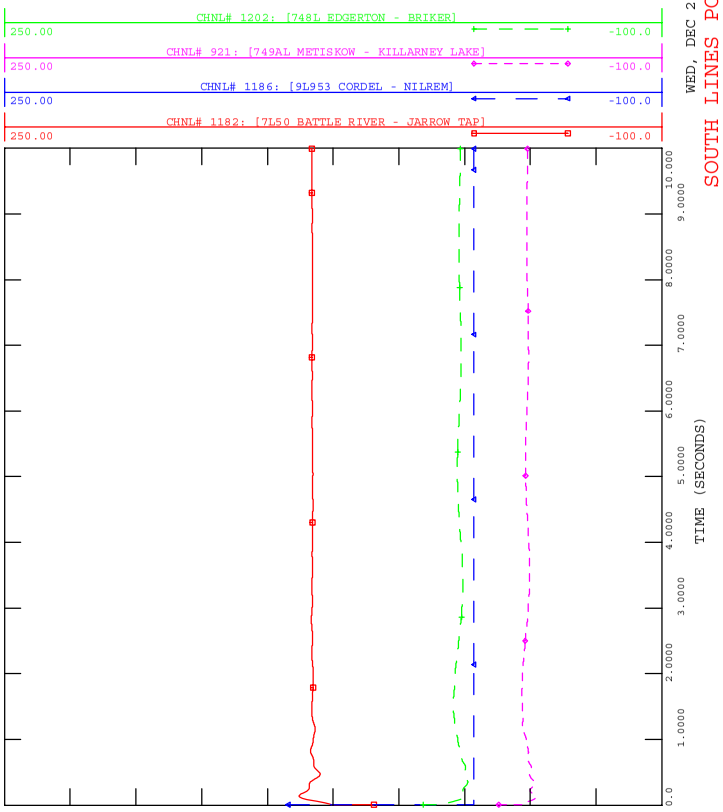


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES POWER FLOW

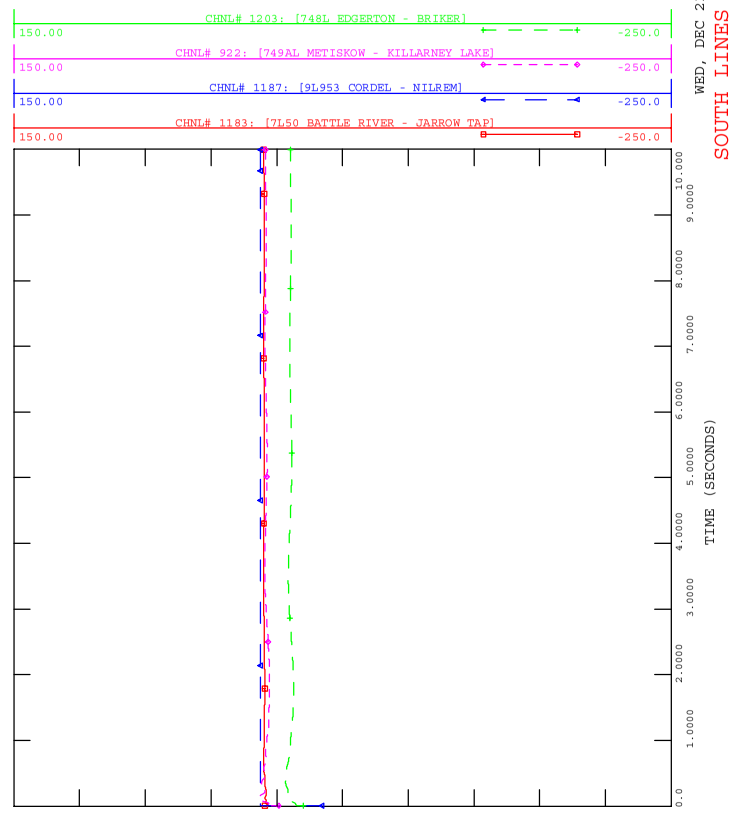


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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SOUTH LINES VAR FLOW

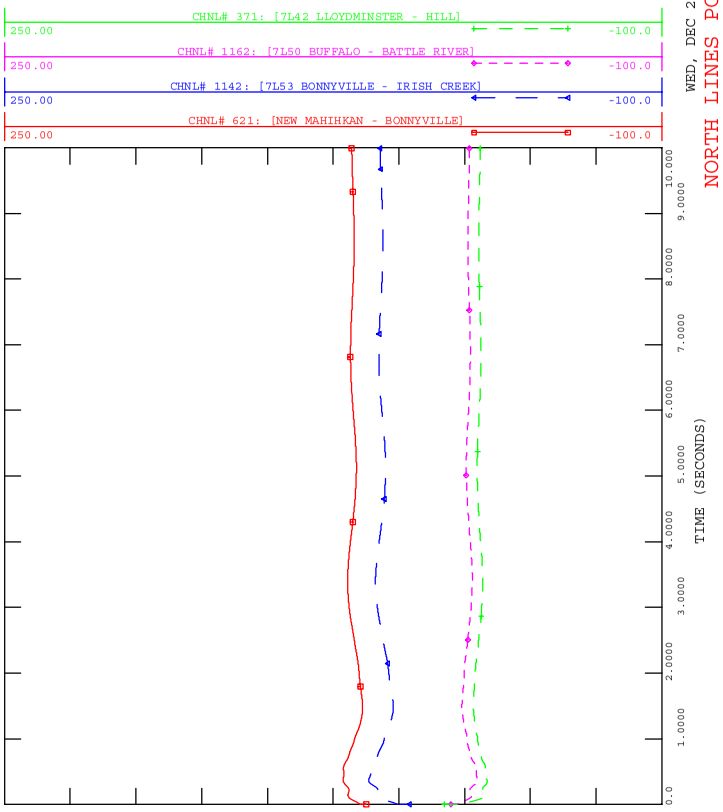


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES POWER FLOW

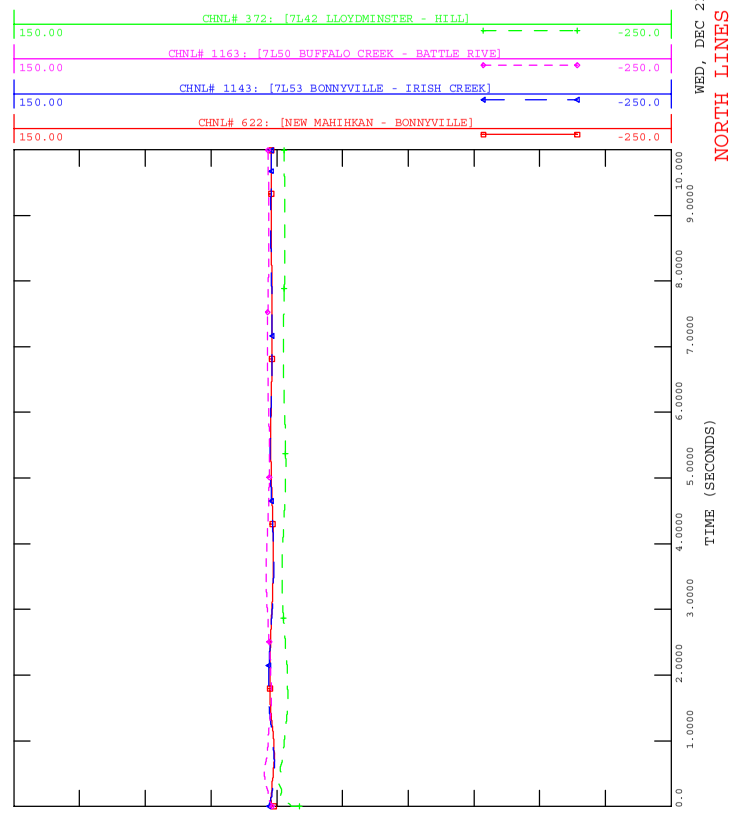


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2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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NORTH LINES VAR FLOW

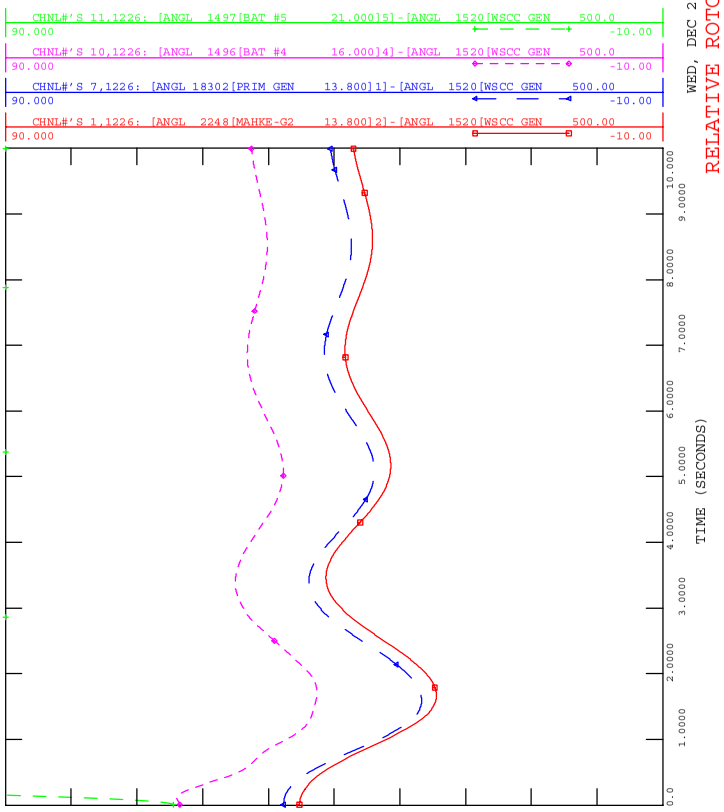


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

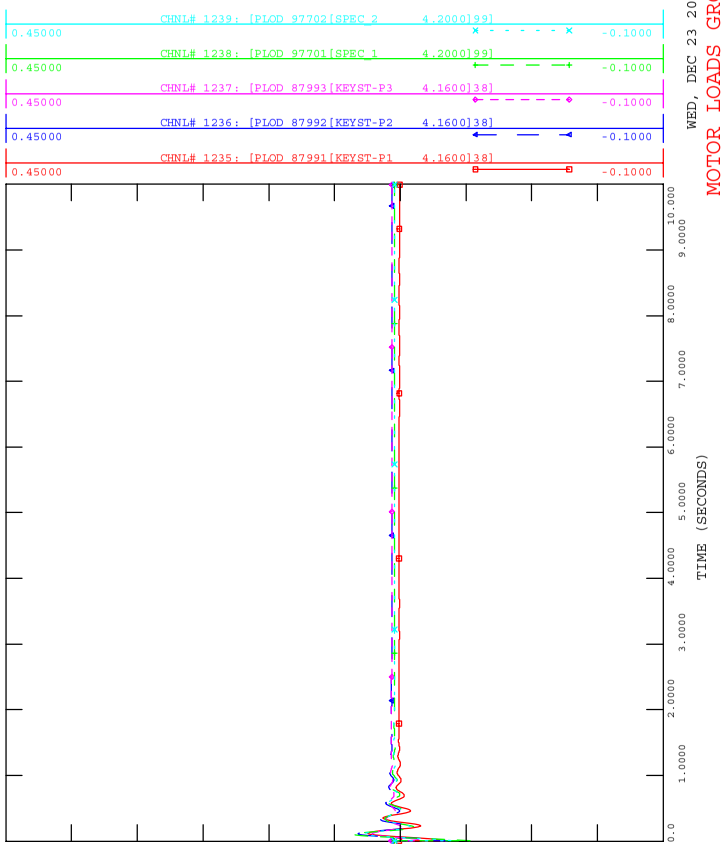


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D9-1Trip.out

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MOTOR LOADS GROUP II

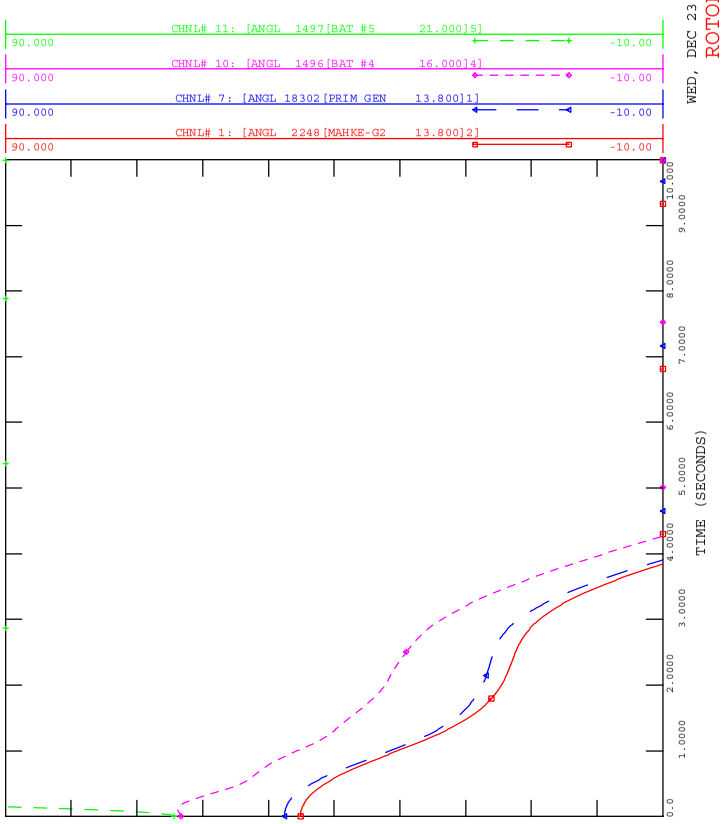


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

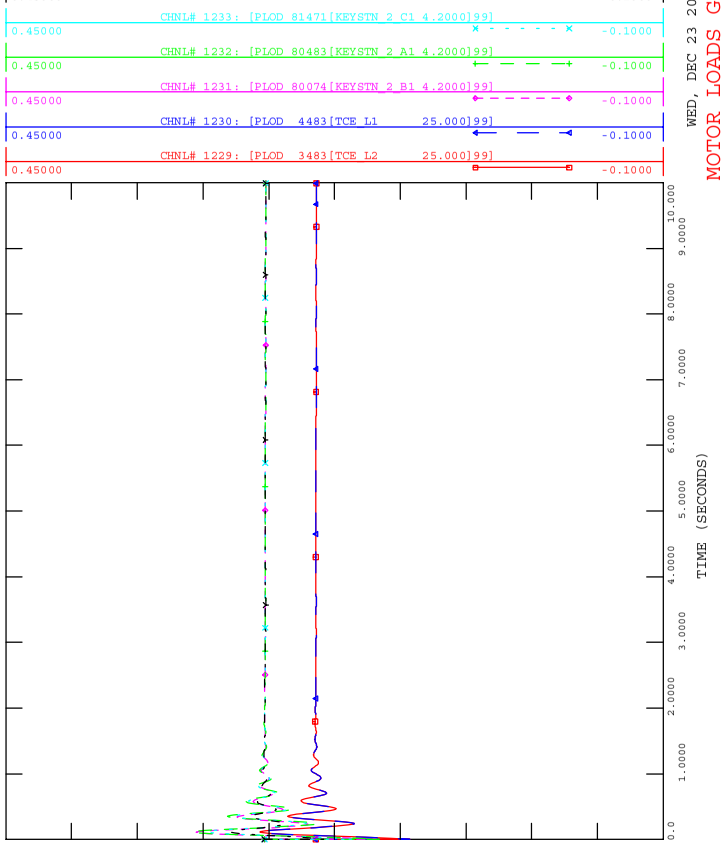


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D9-1Trip.out

WED, DEC 23 2009 14:10

MOTOR LOADS GROUP I

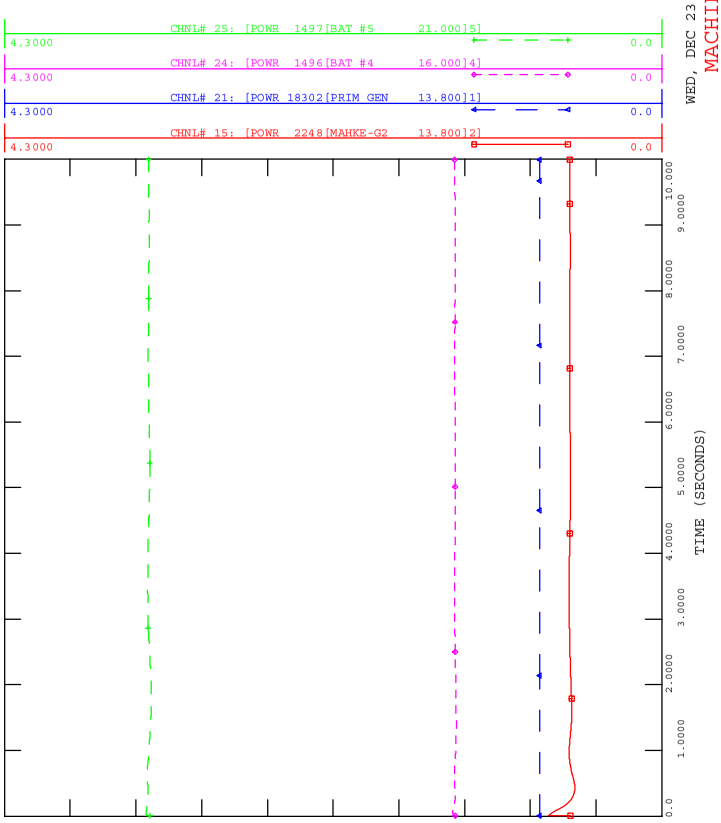


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

WED, DEC 23 2009 14:10

MACHINE POWER

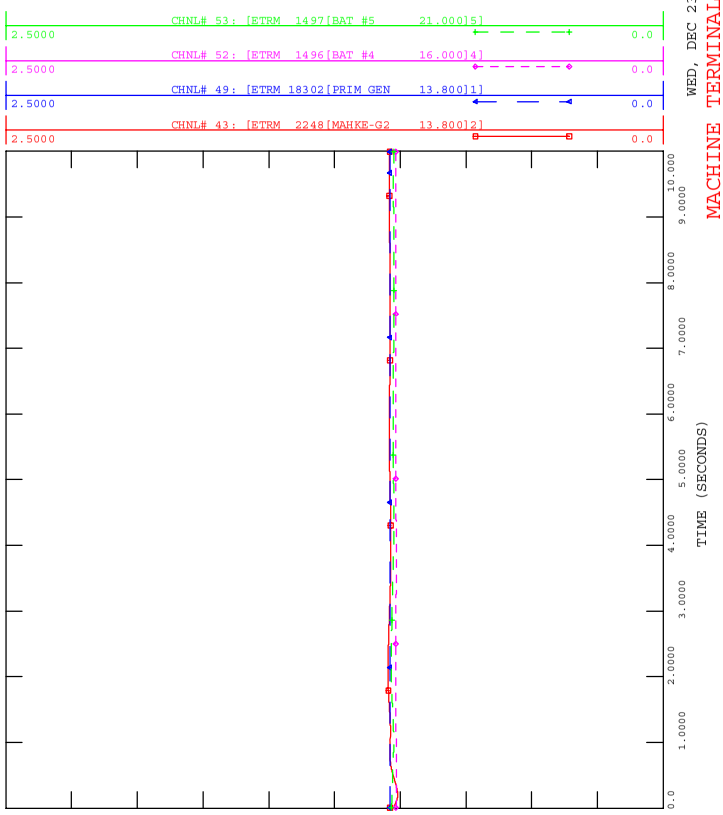


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

WED, DEC 23 2009 14:10

MACHINE TERMINAL VOLTAGE

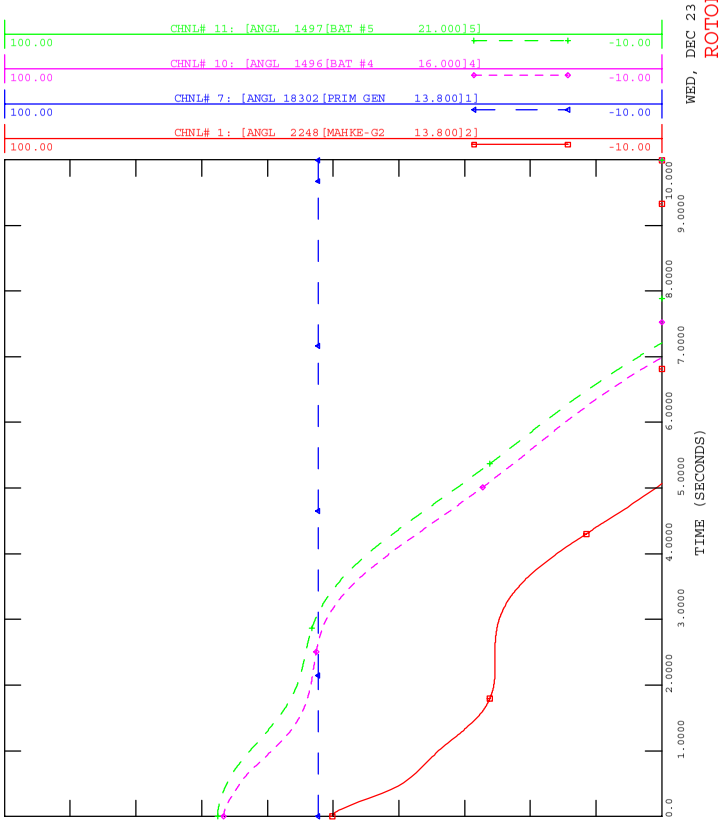


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

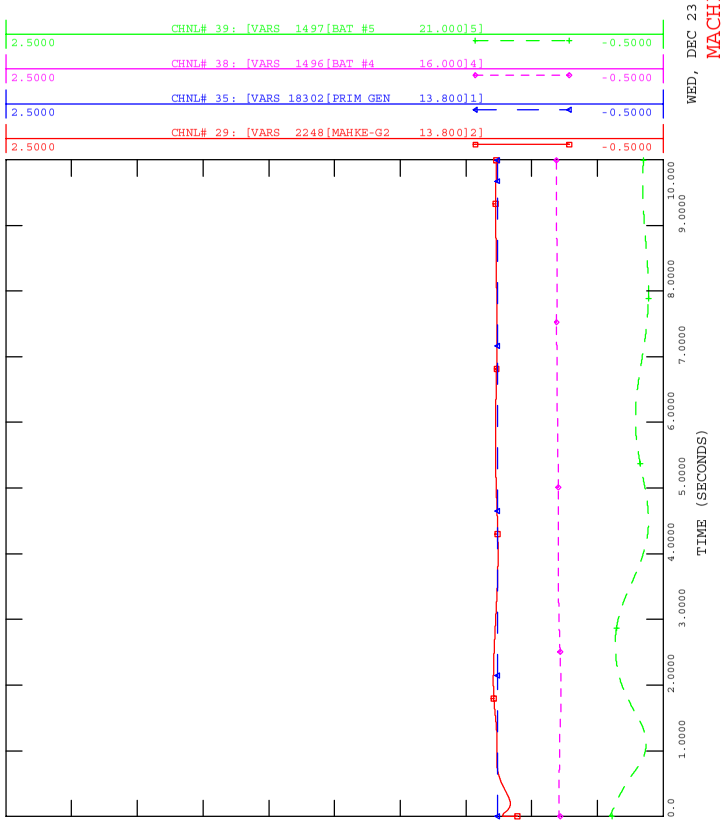


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

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MACHINE VARS

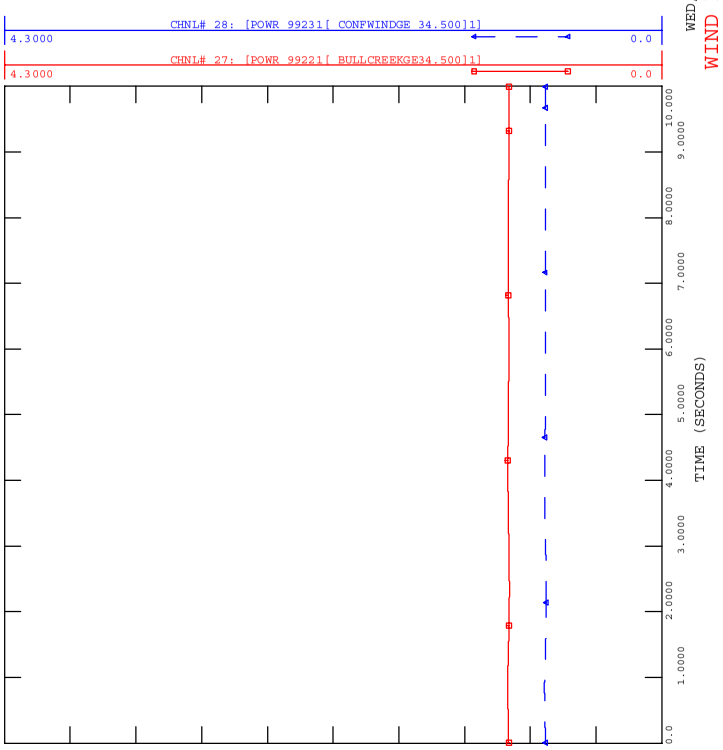


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

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WIND MACHINE POWER

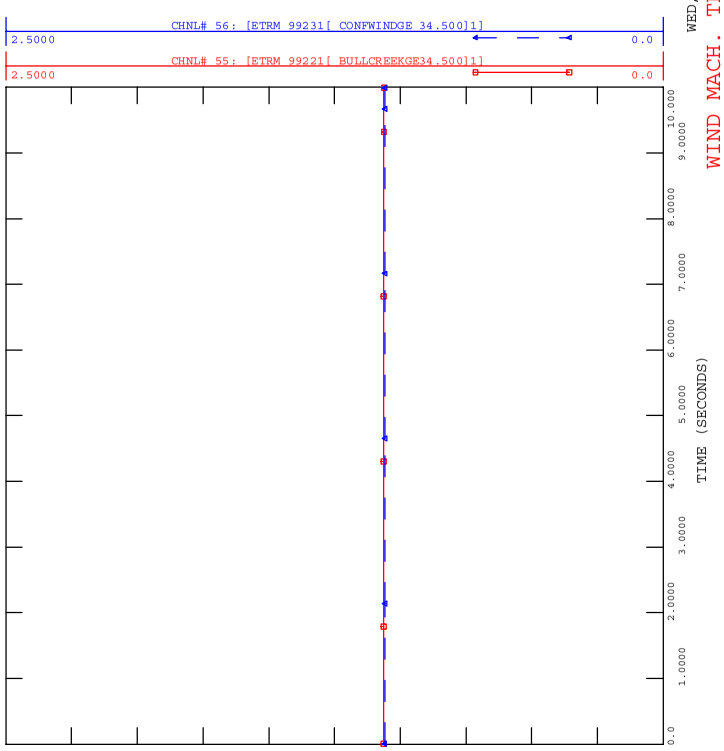


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

WED, DEC 23 2009 14:10

WIND MACH. TERMINAL VOLTS

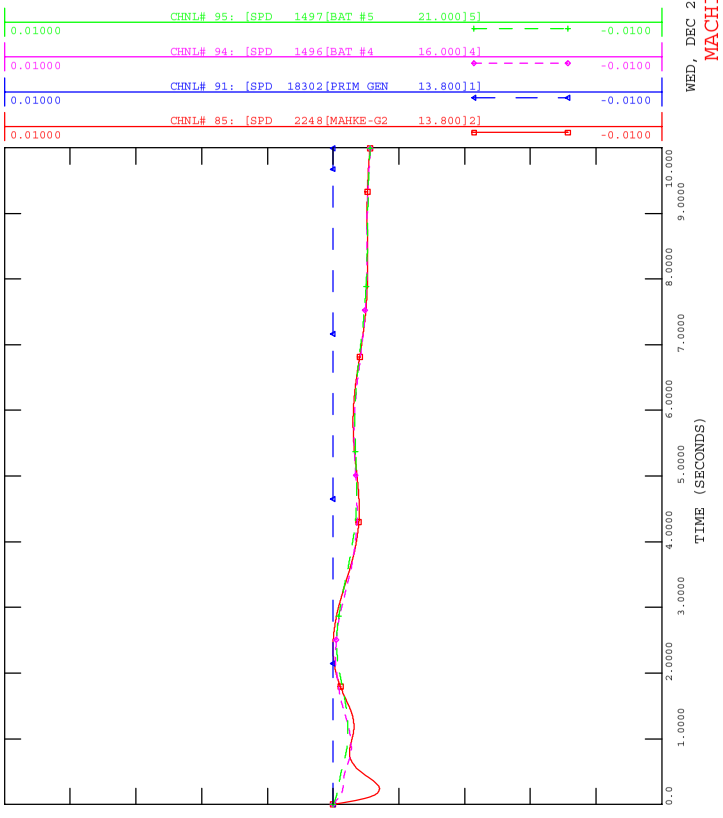


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

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MACHINE SPEED

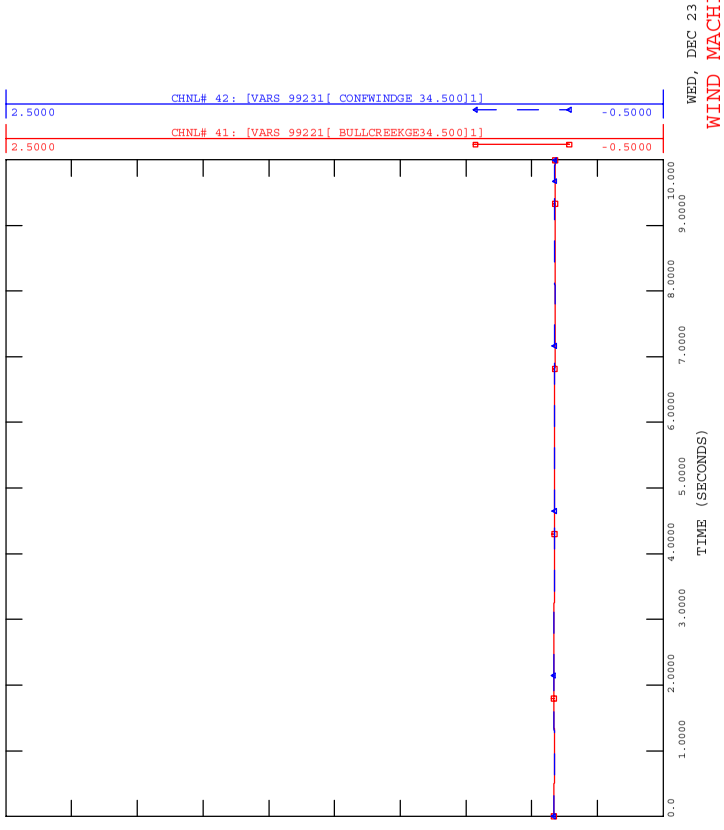


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WIND MACHINE VARS

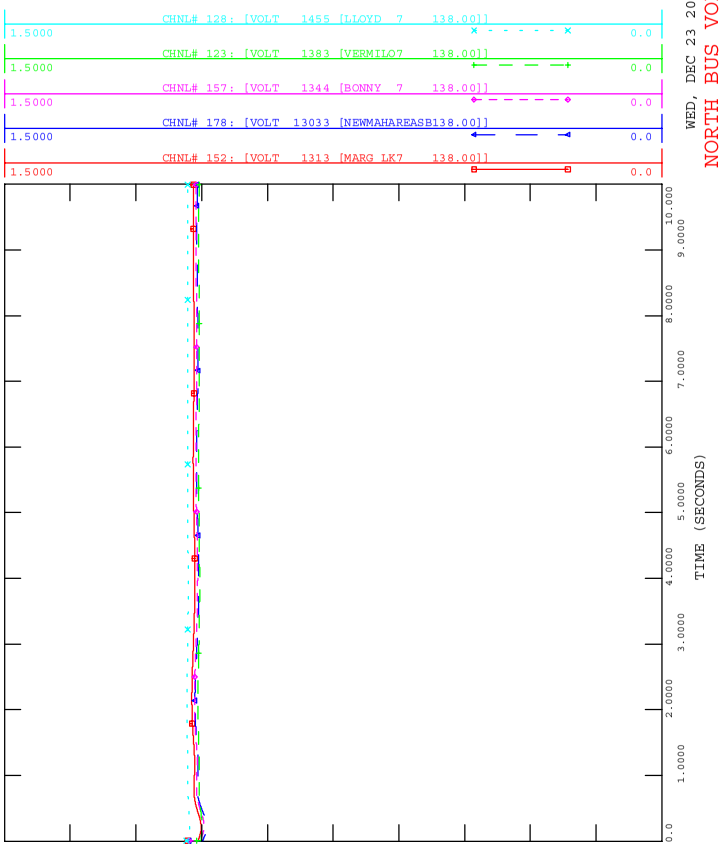


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

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NORTH BUS VOLTAGES

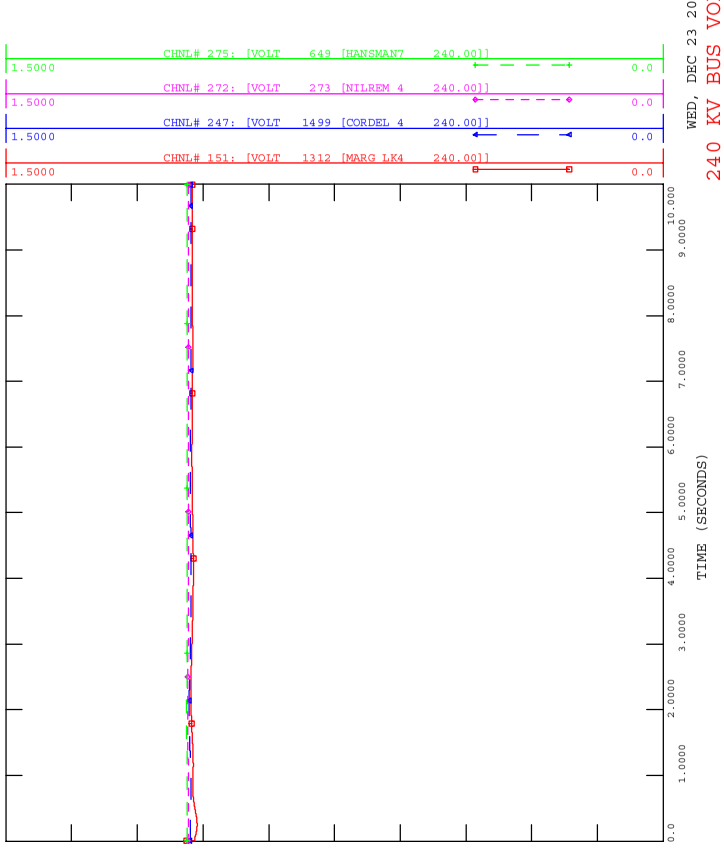


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

WED, DEC 23 2009 14:10

240 KV BUS VOLTAGES

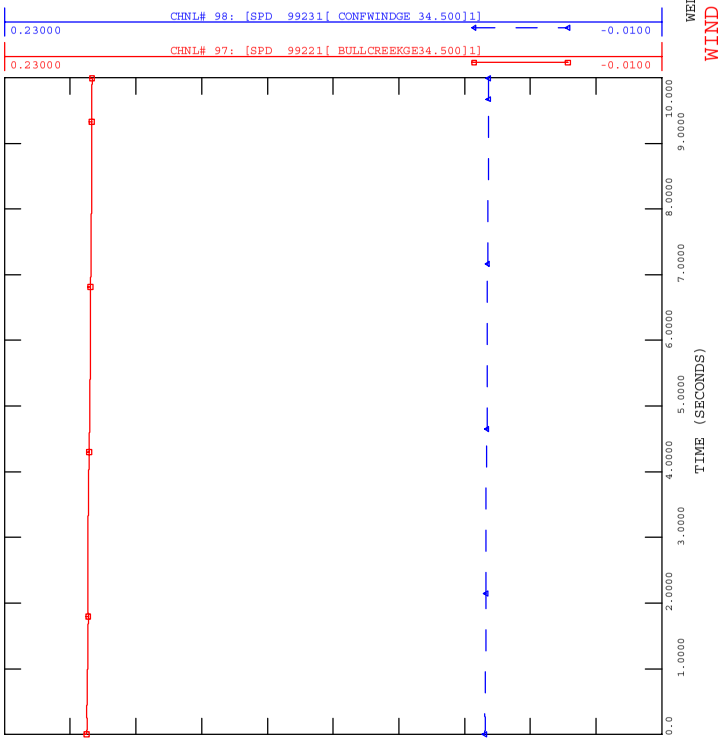


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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WED, DEC 23 2009 14:10

WIND MACHINE SPEED

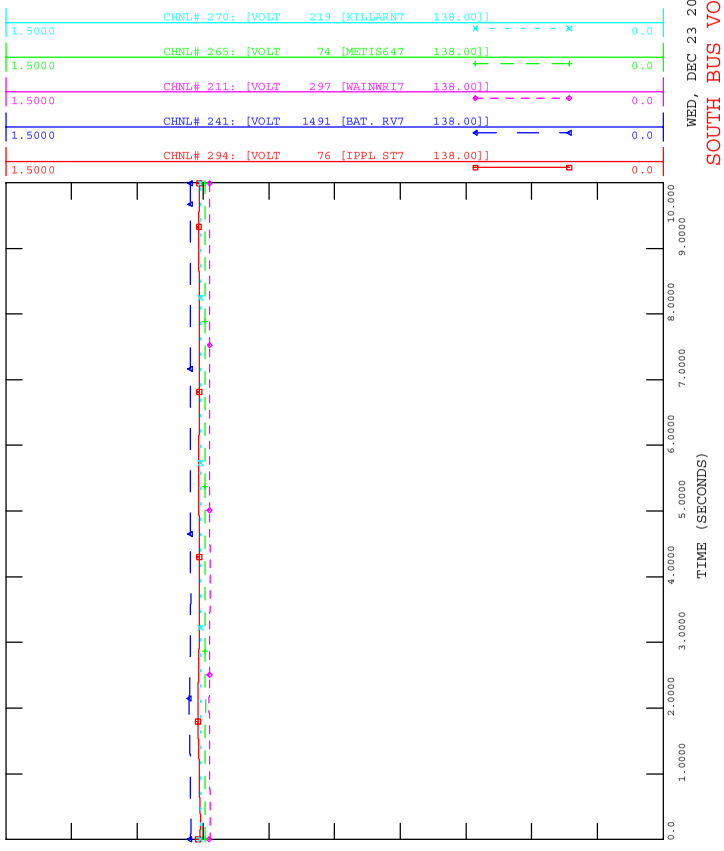


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

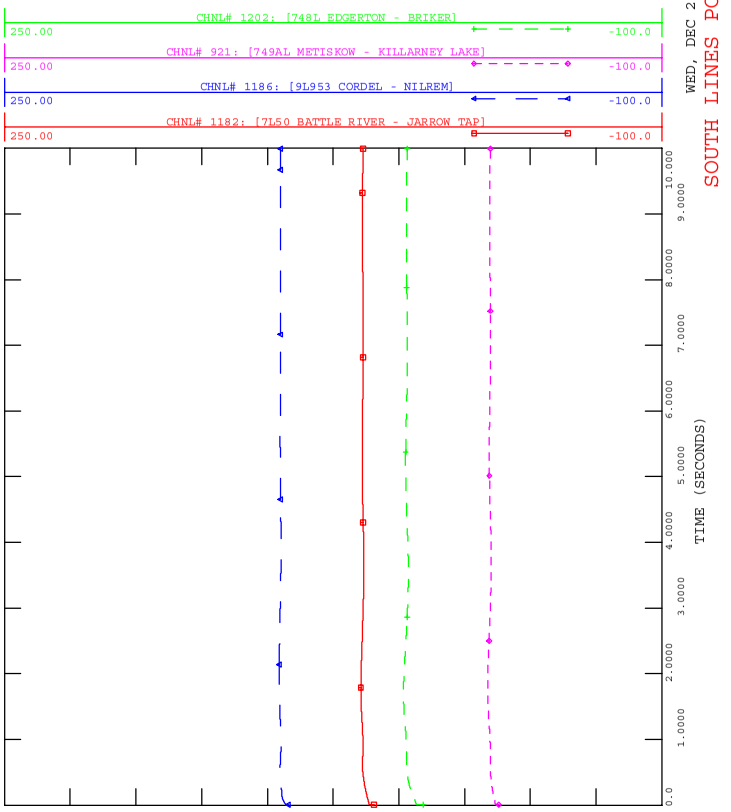
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SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

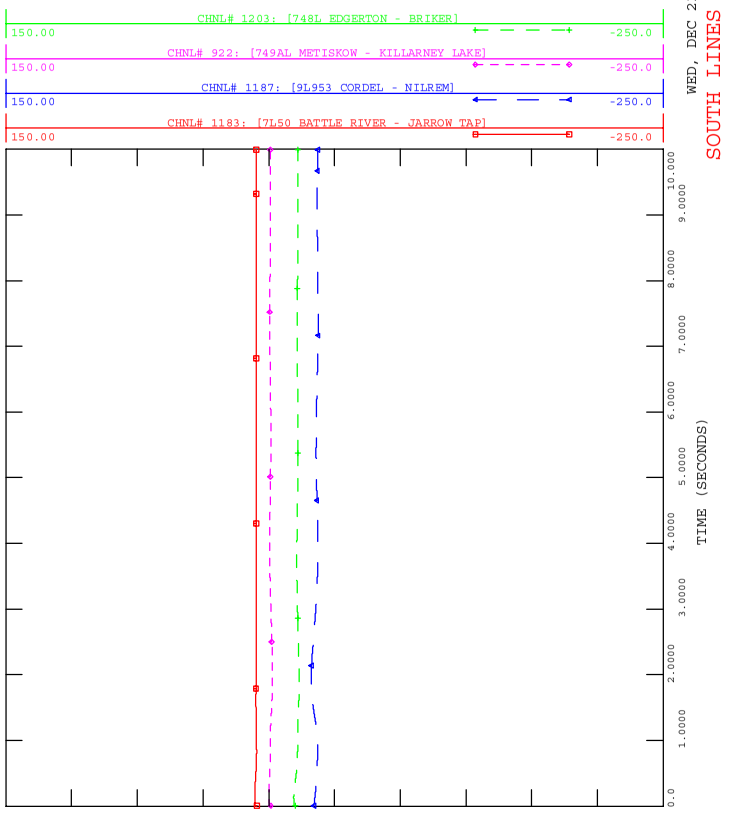


WED, DEC 23 2009 14:10

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

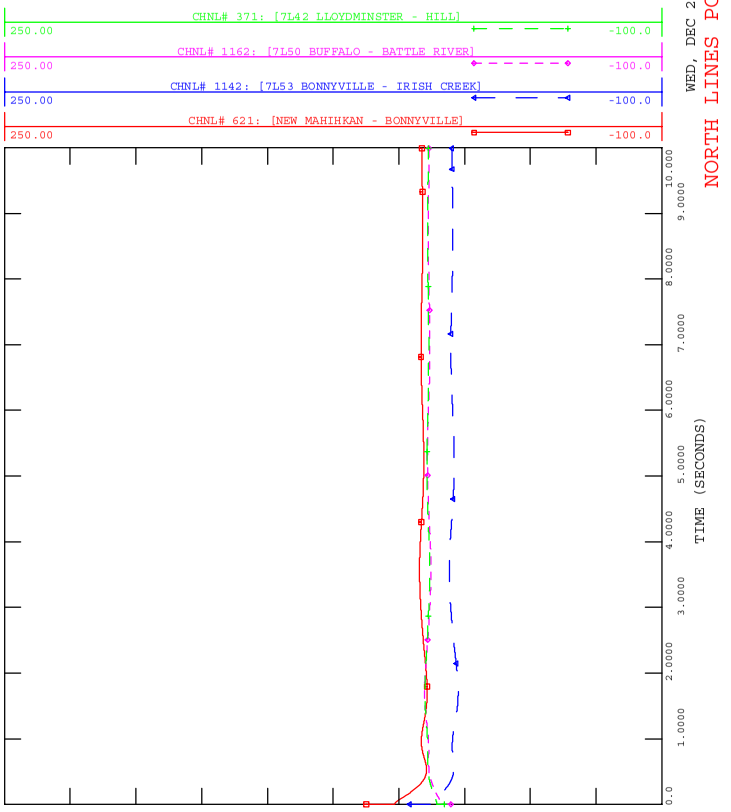


WED, DEC 23 2009 14:10

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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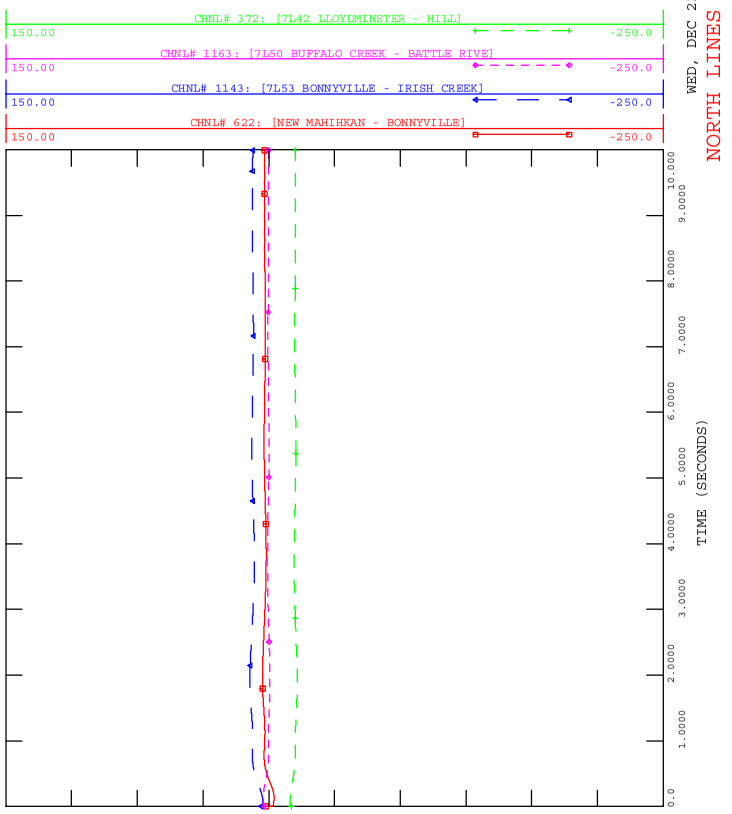


WED, DEC 23 2009 14:10

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out



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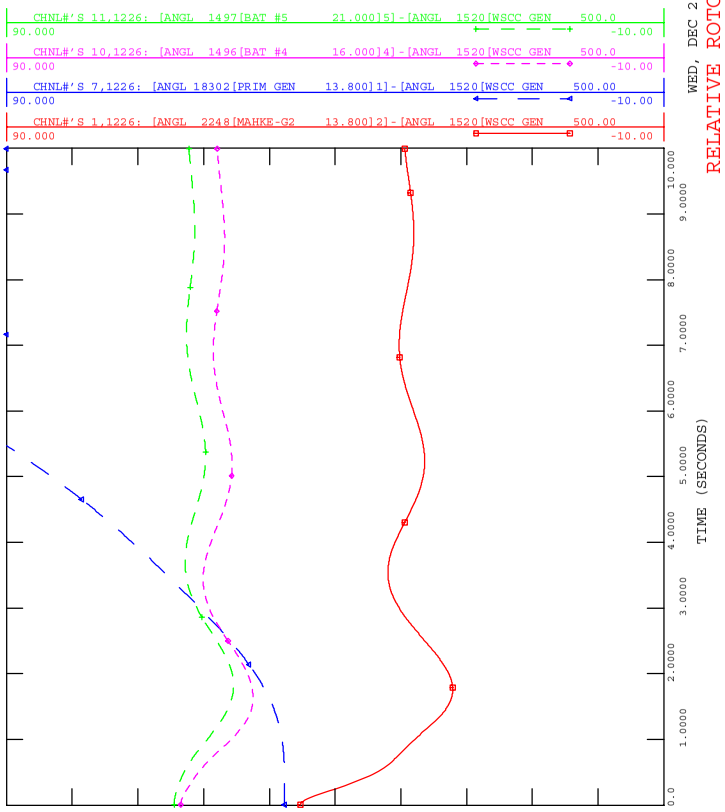
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

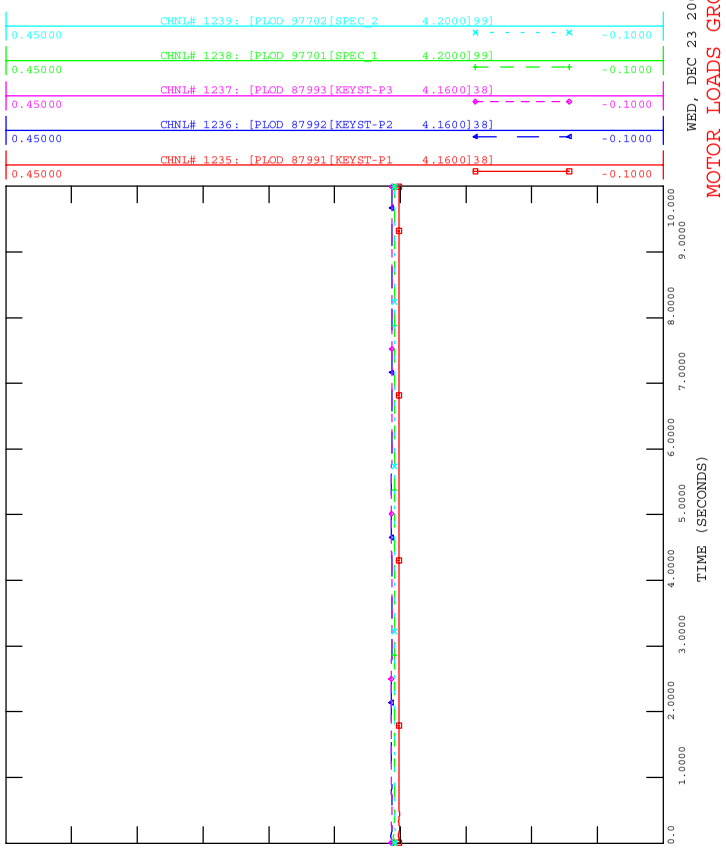


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-1Trip.out

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MOTOR LOADS GROUP II

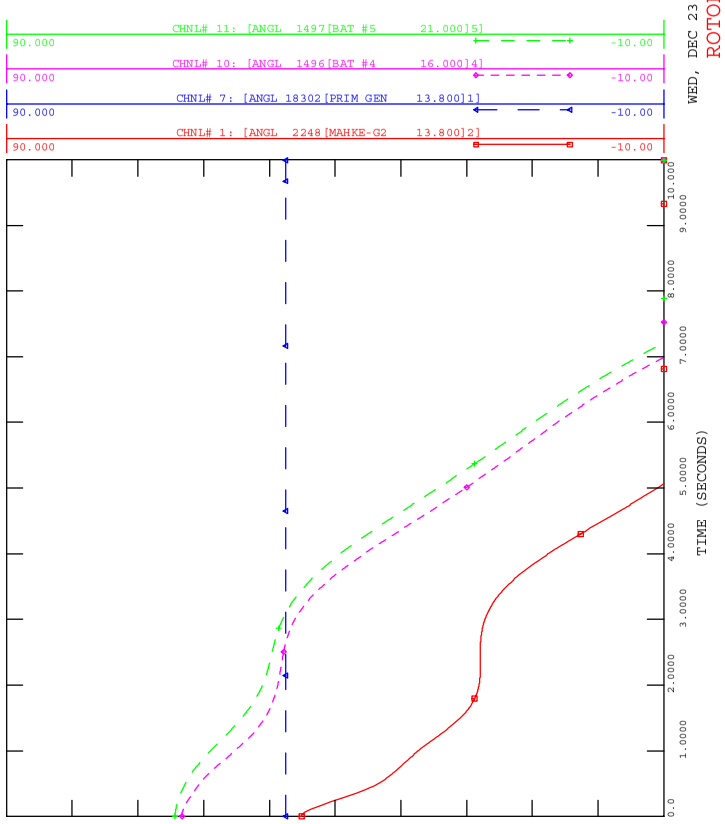


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

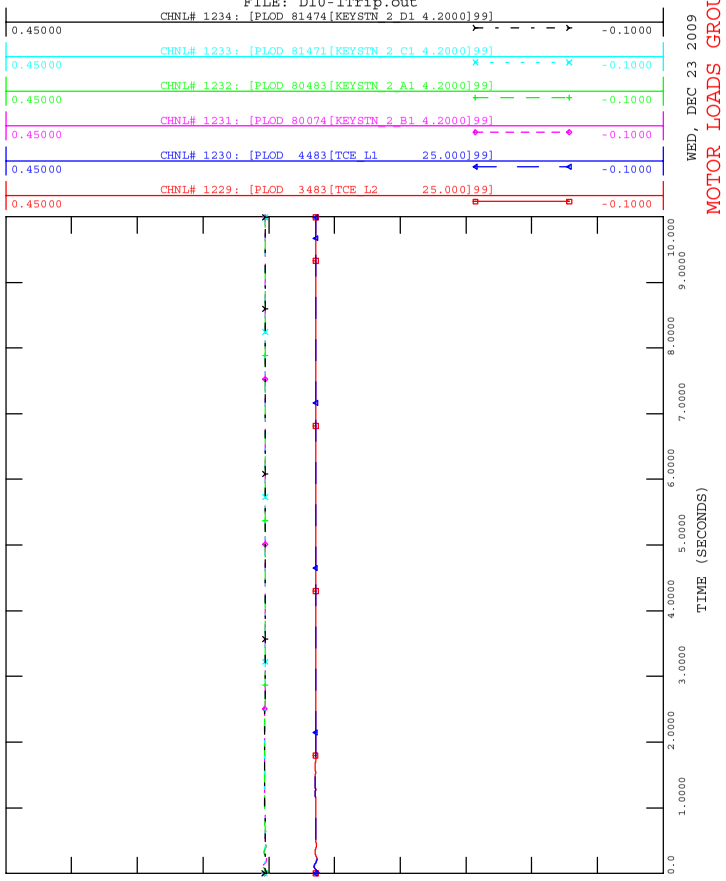


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP I

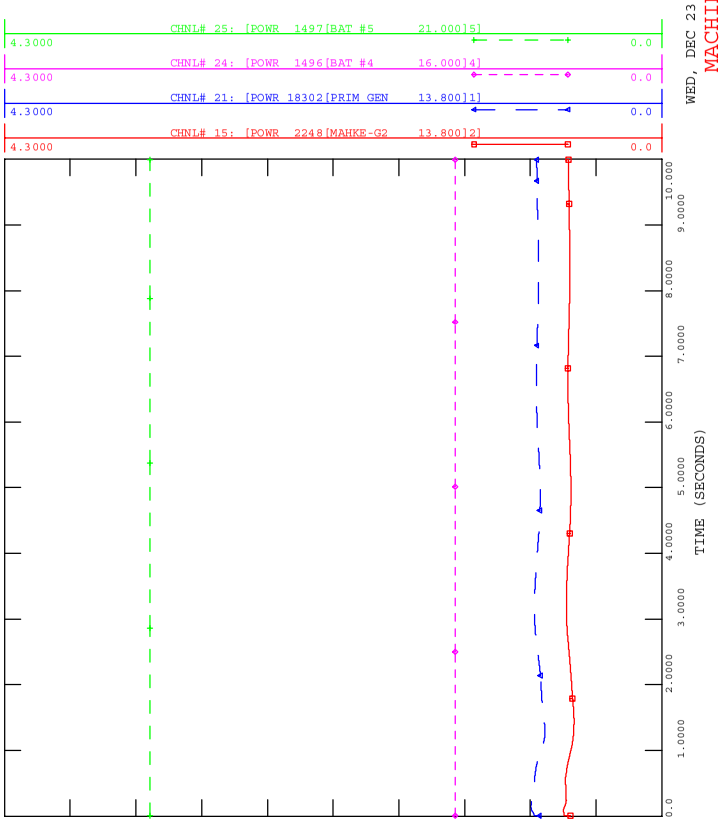


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

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MACHINE POWER

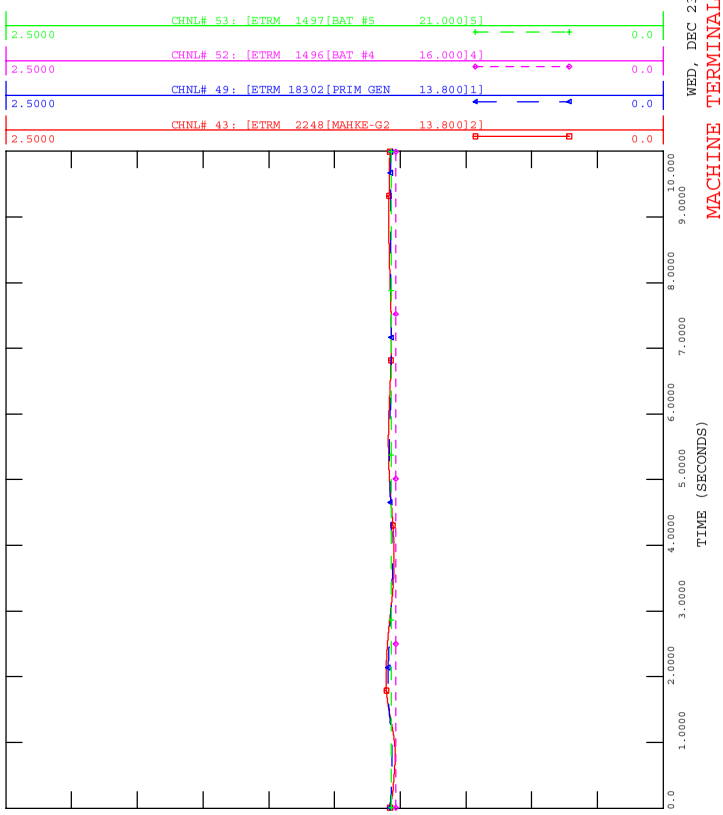


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

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MACHINE TERMINAL VOLTAGE

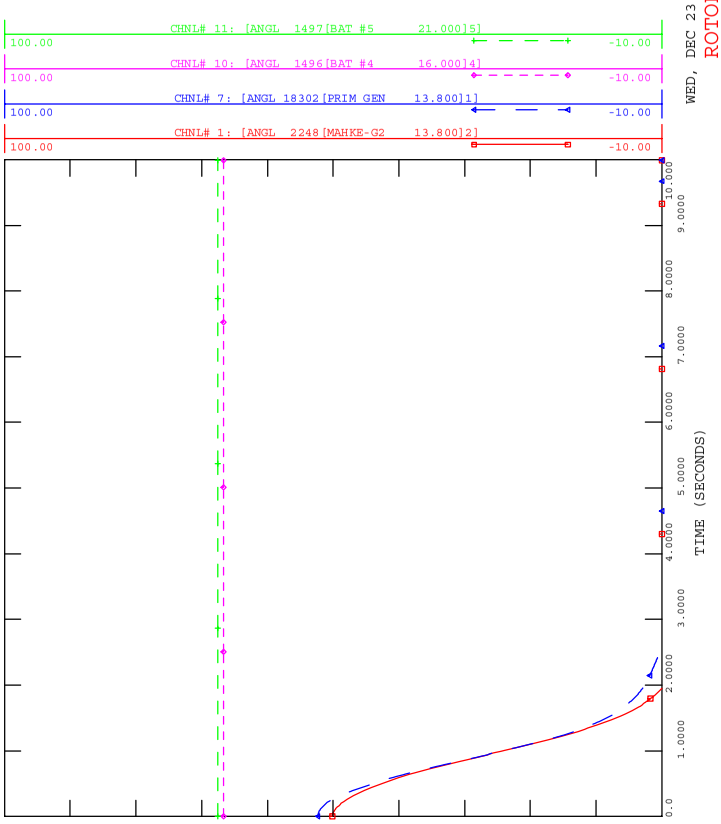


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

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ROTOR ANGLES

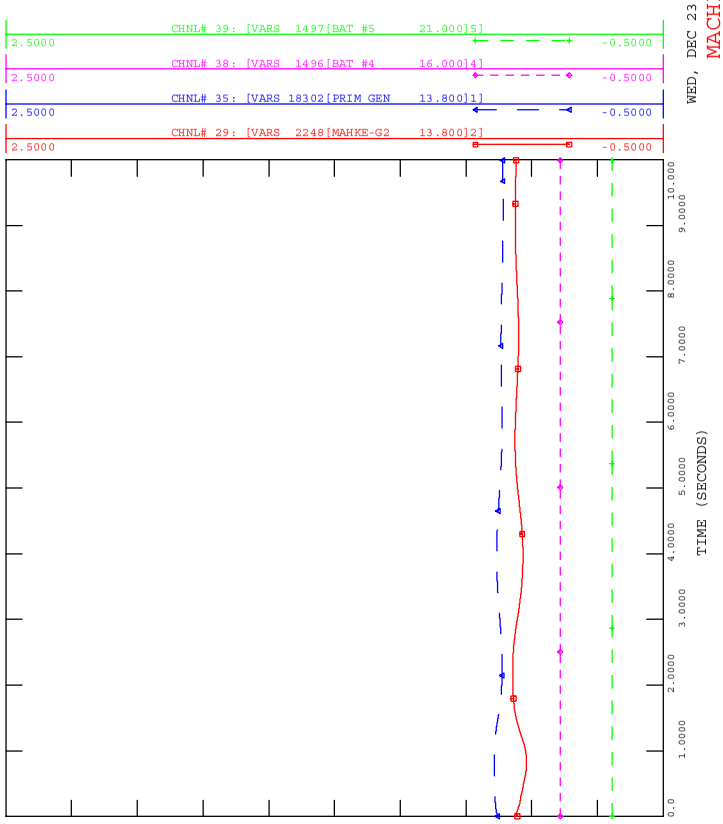


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

WED, DEC 23 2009 15:21

MACHINE VARS

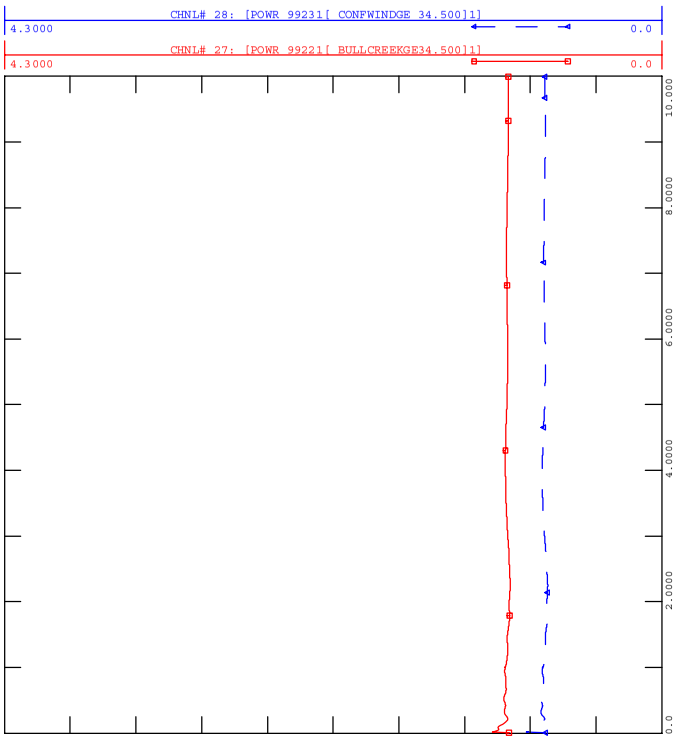


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

WED, DEC 23 2009 15:21

WIND MACHINE POWER

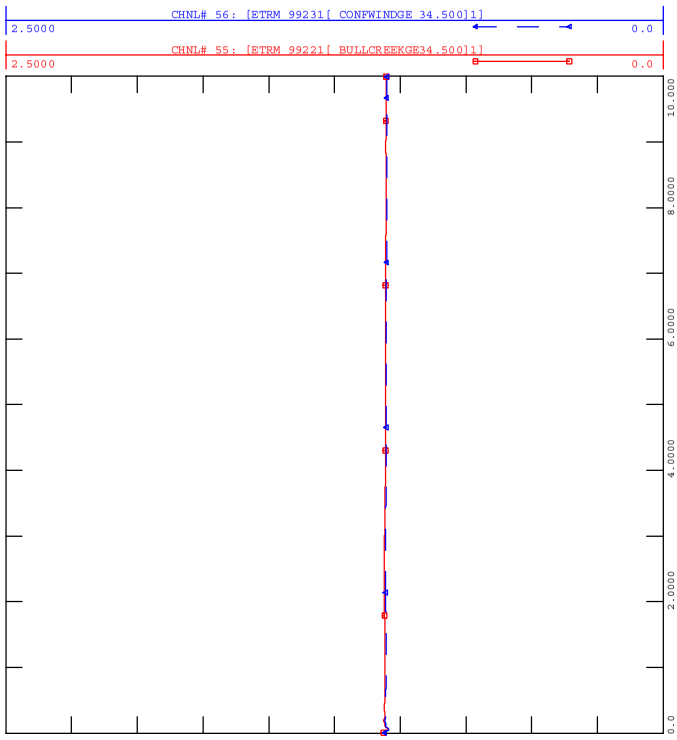


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

WED, DEC 23 2009 15:21

WIND MACH. TERMINAL VOLTS

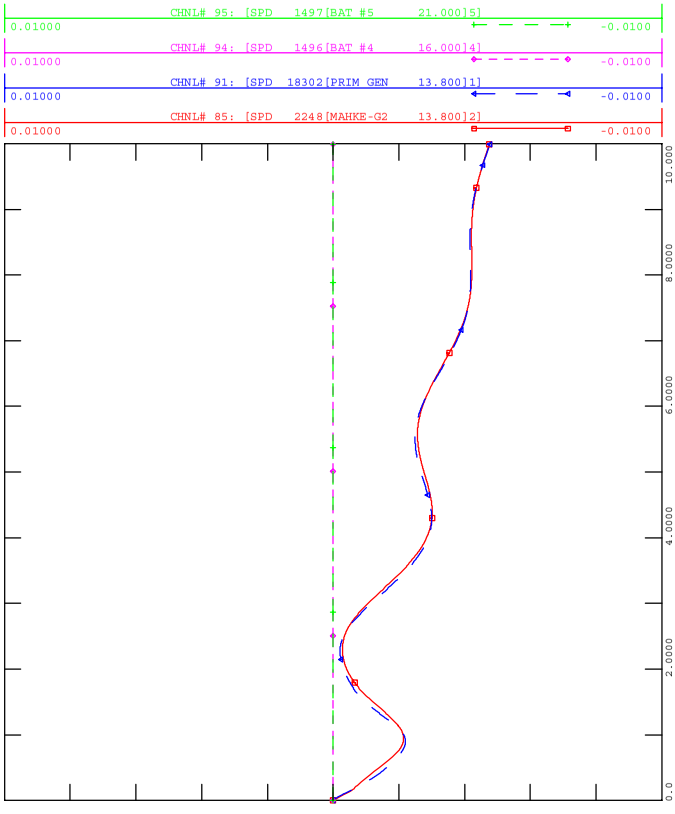


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MACHINE SPEED

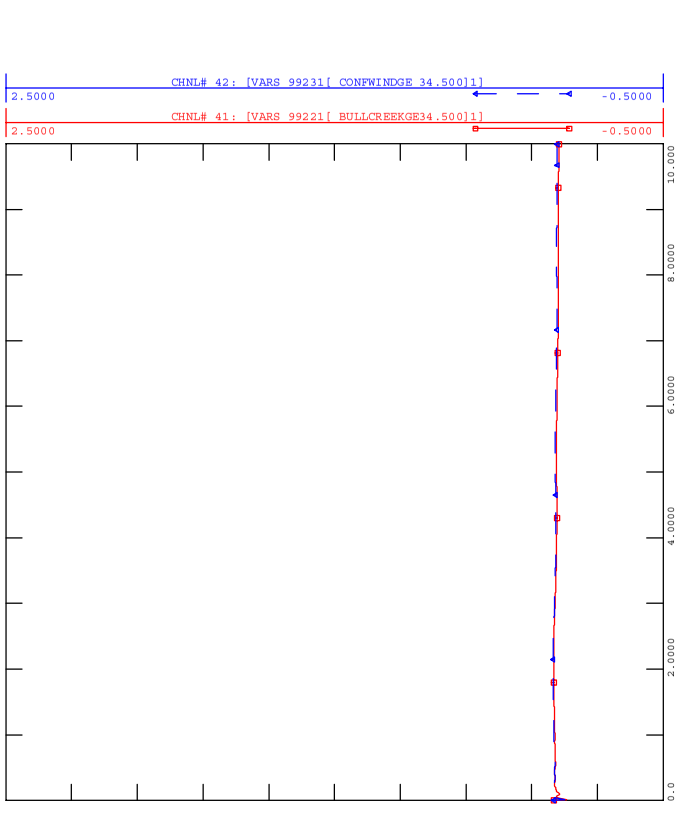


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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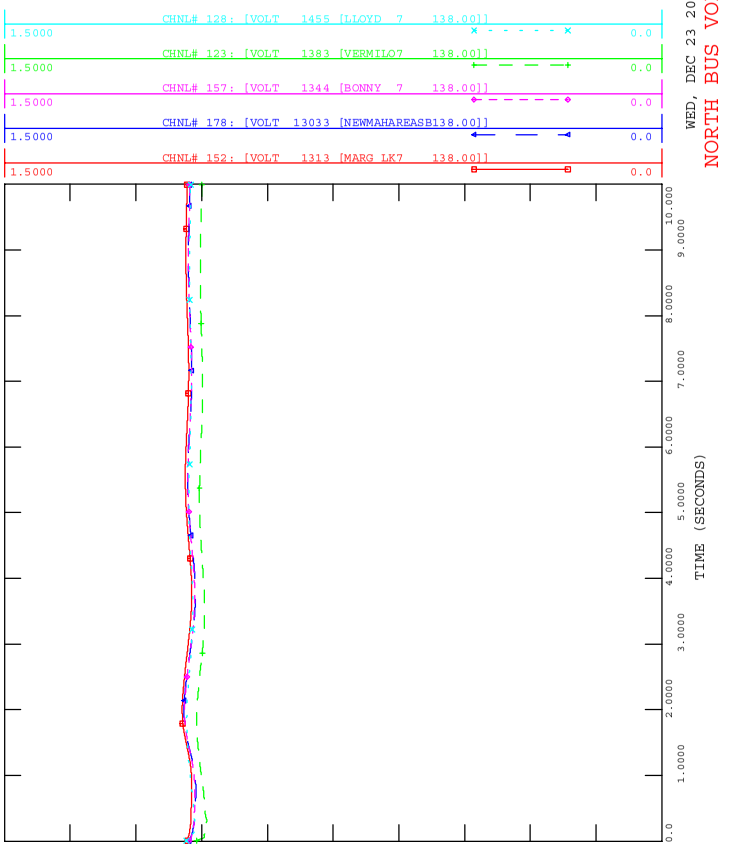
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WIND MACHINE VARS



CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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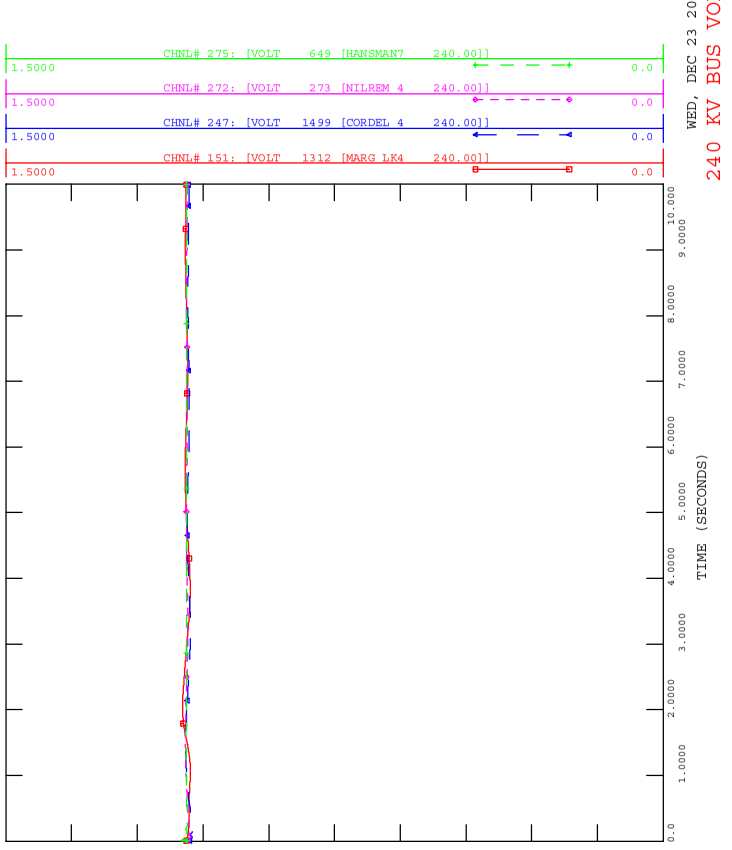


WED, DEC 23 2009 15:21

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

FILE: D10-2Trip.out

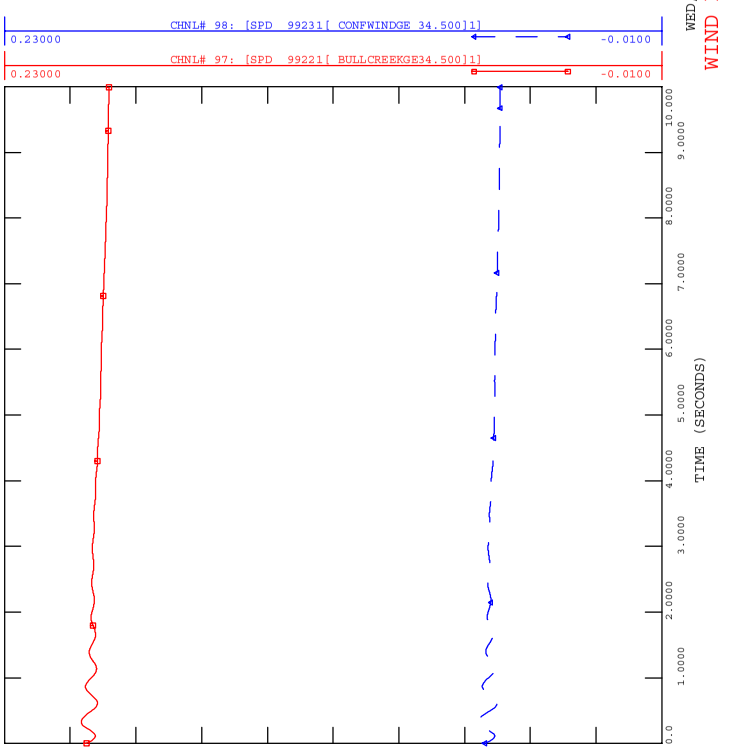


WED, DEC 23 2009 15:21

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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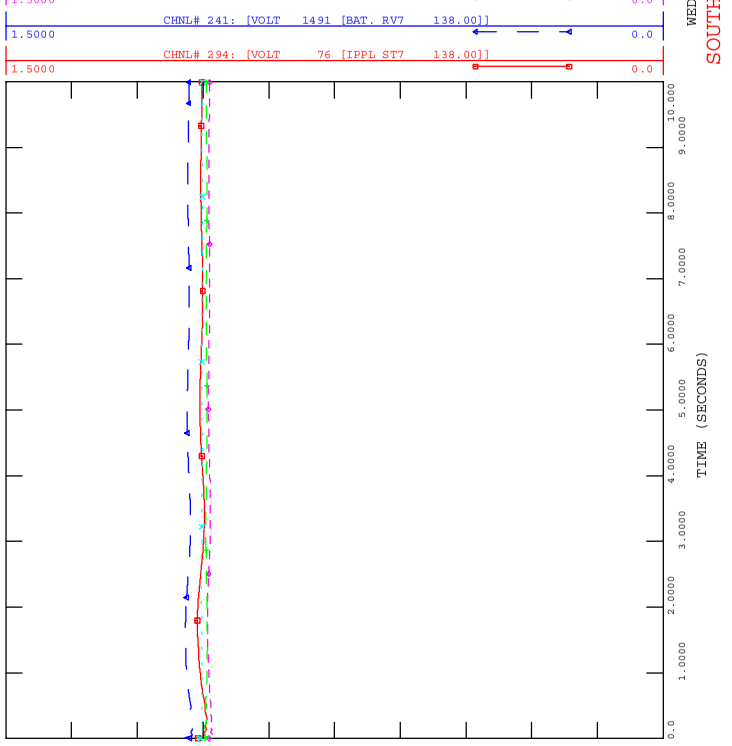


WED, DEC 23 2009 15:21

WIND MACHINE SPEED

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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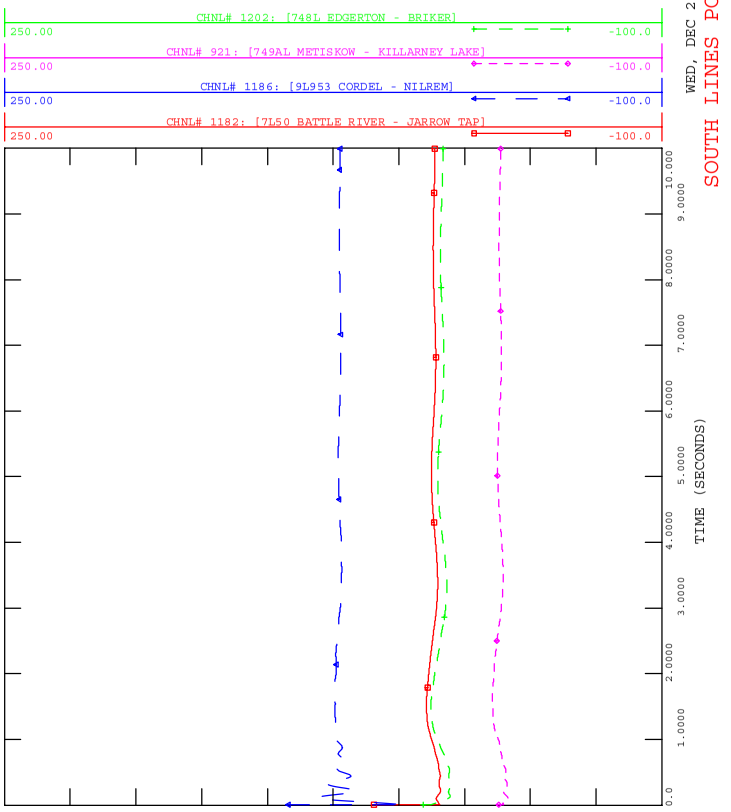


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SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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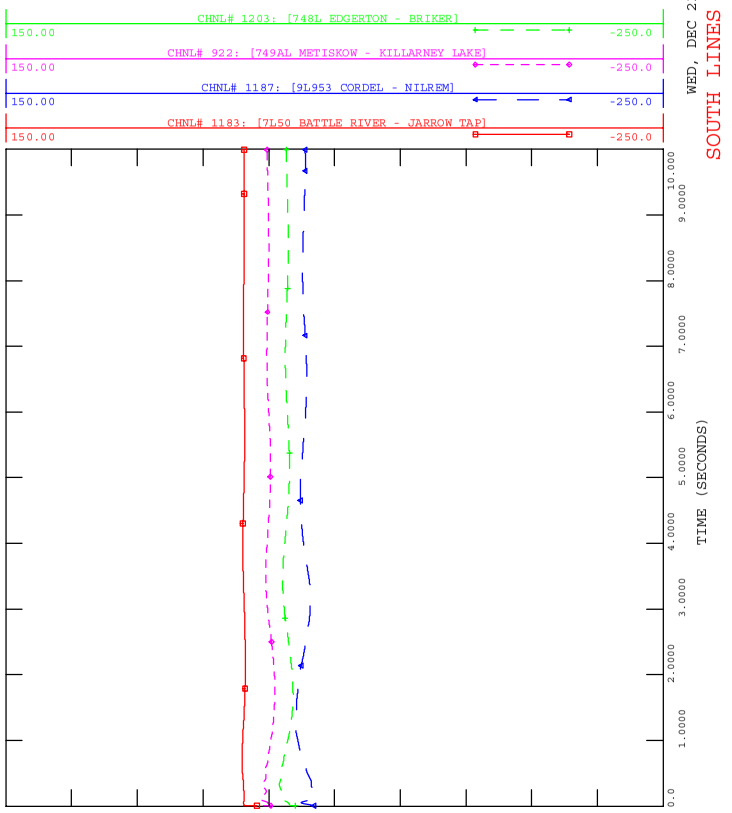


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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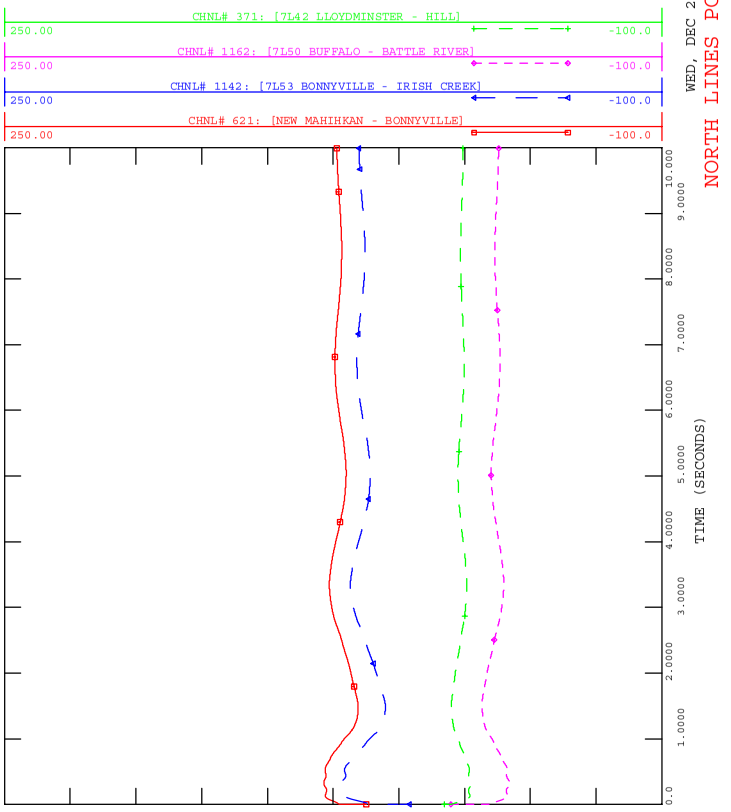


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SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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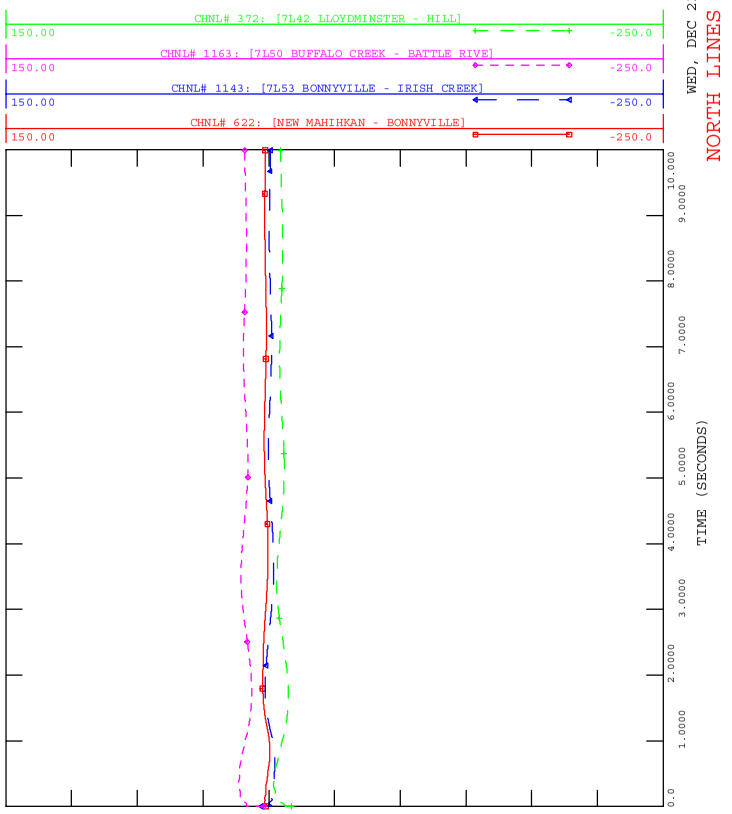


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NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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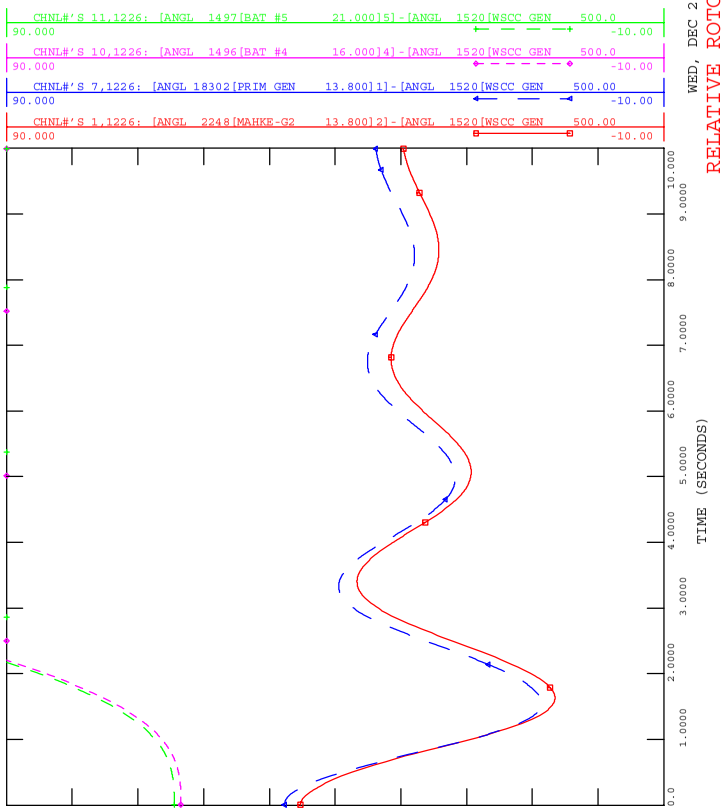
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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RELATIVE ROTOR ANGLES

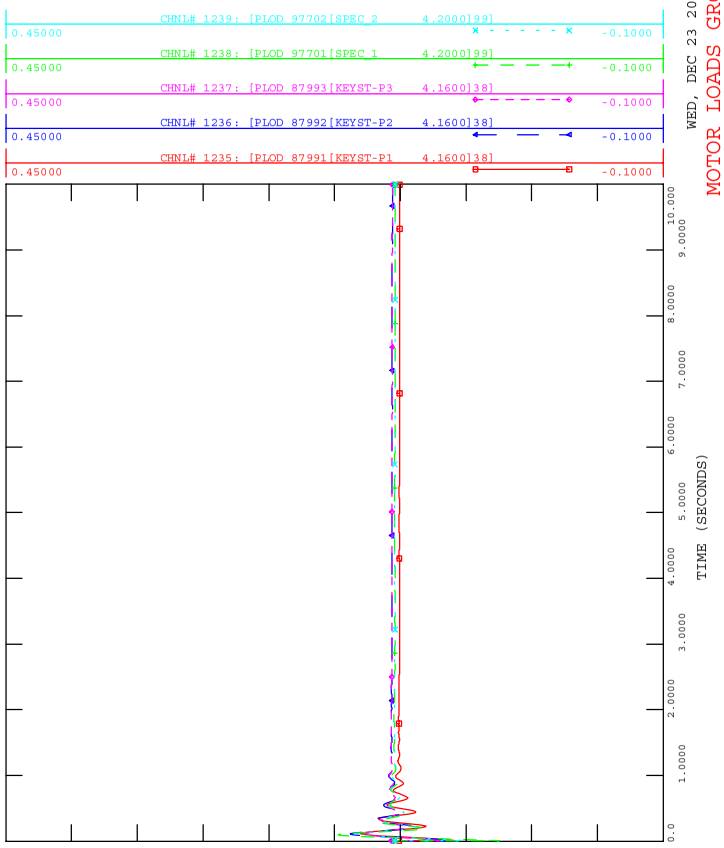


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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MOTOR LOADS GROUP II

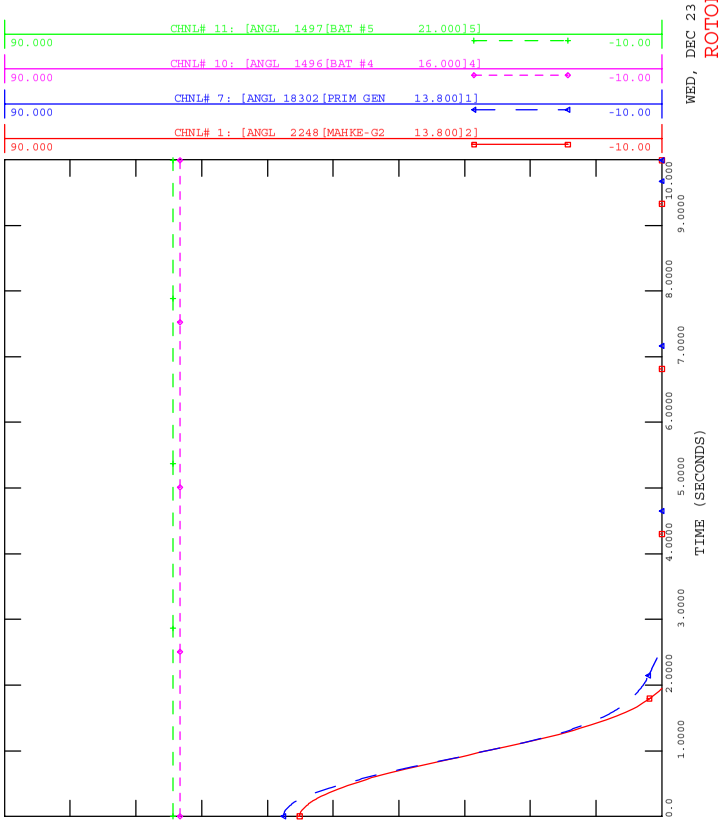


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

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ROTOR ANGLES

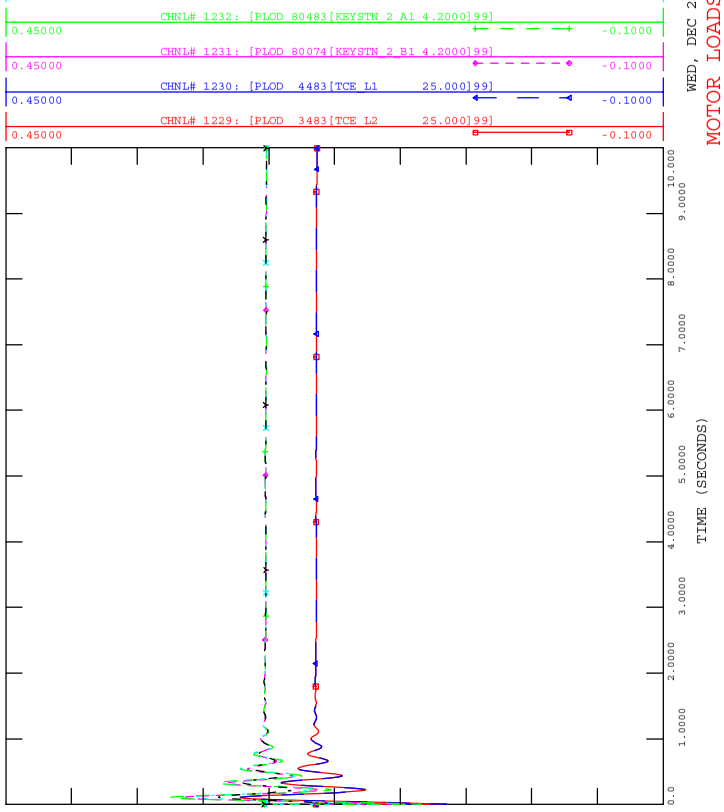


CENTRAL AREA STUDY
2012 SUMMER LIGHT BASE CASE REVISION 7.2.1

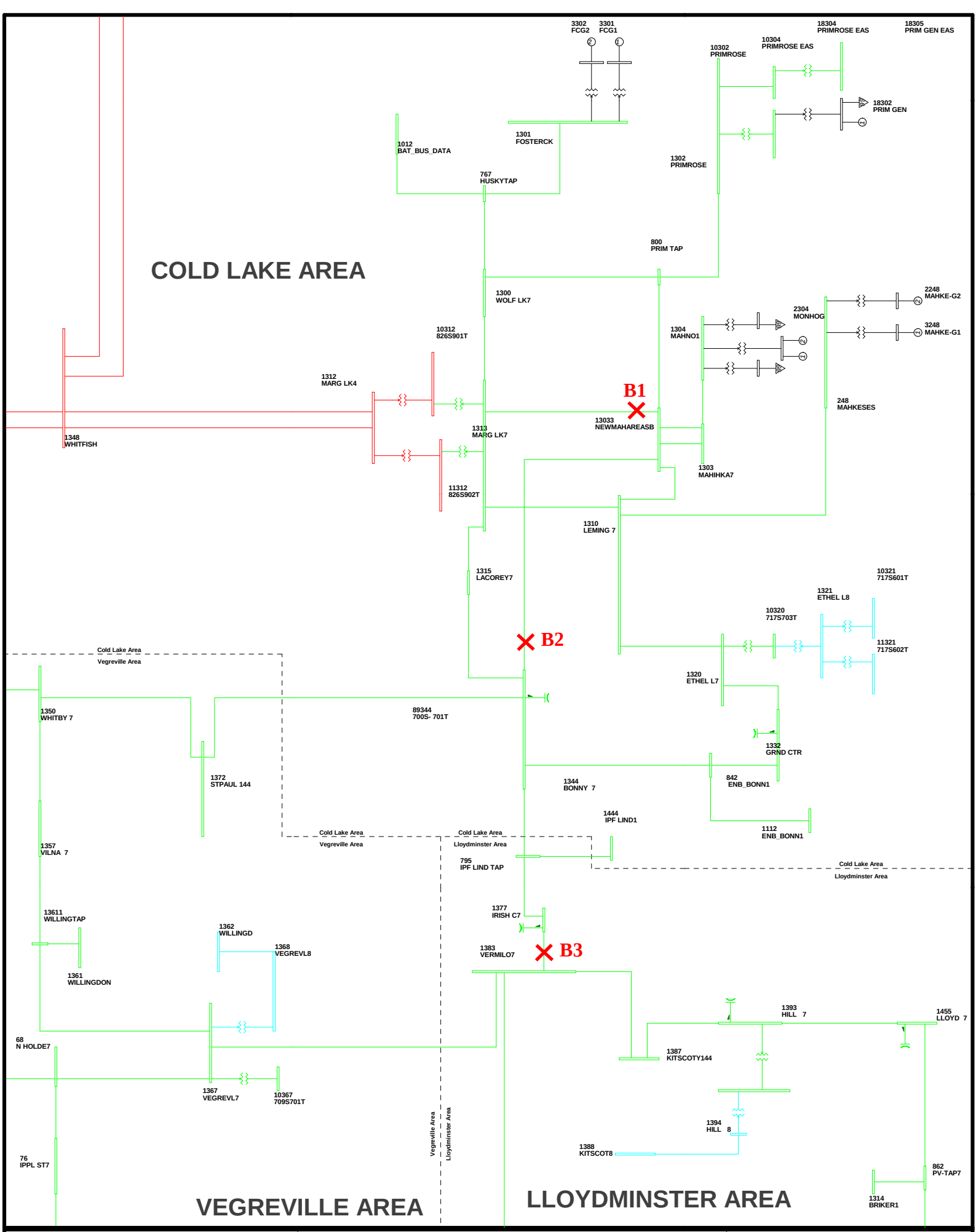
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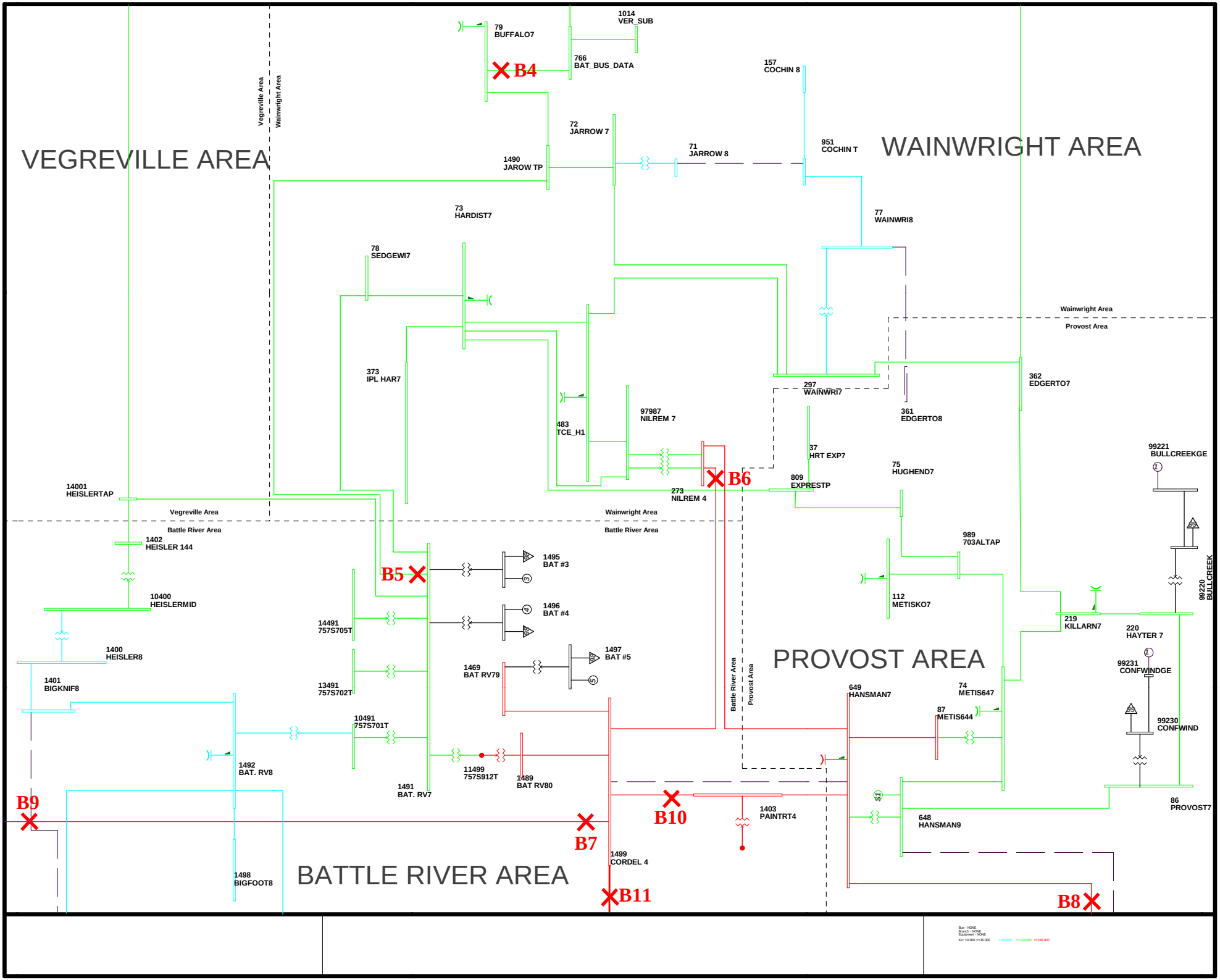
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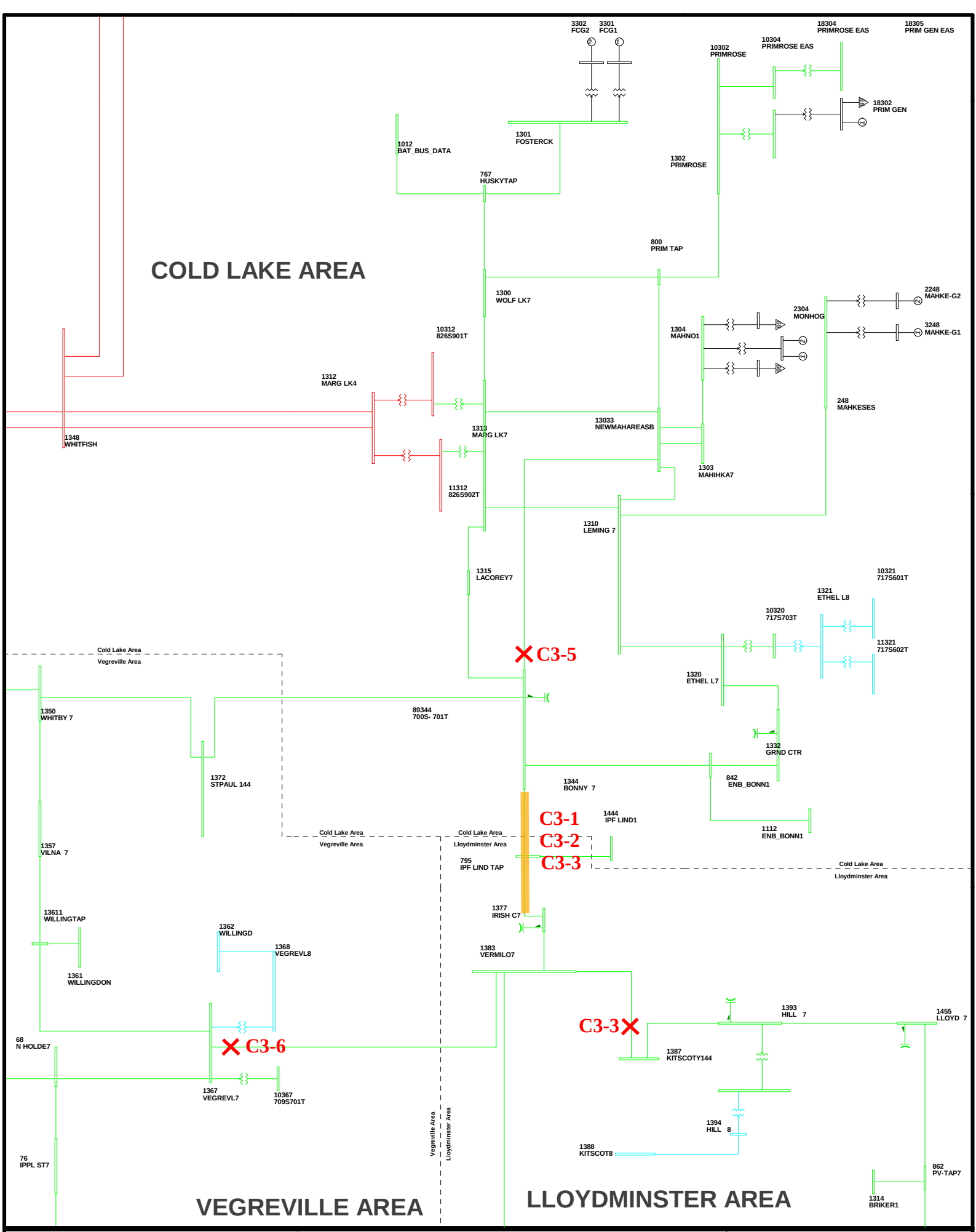
MOTOR LOADS GROUP I



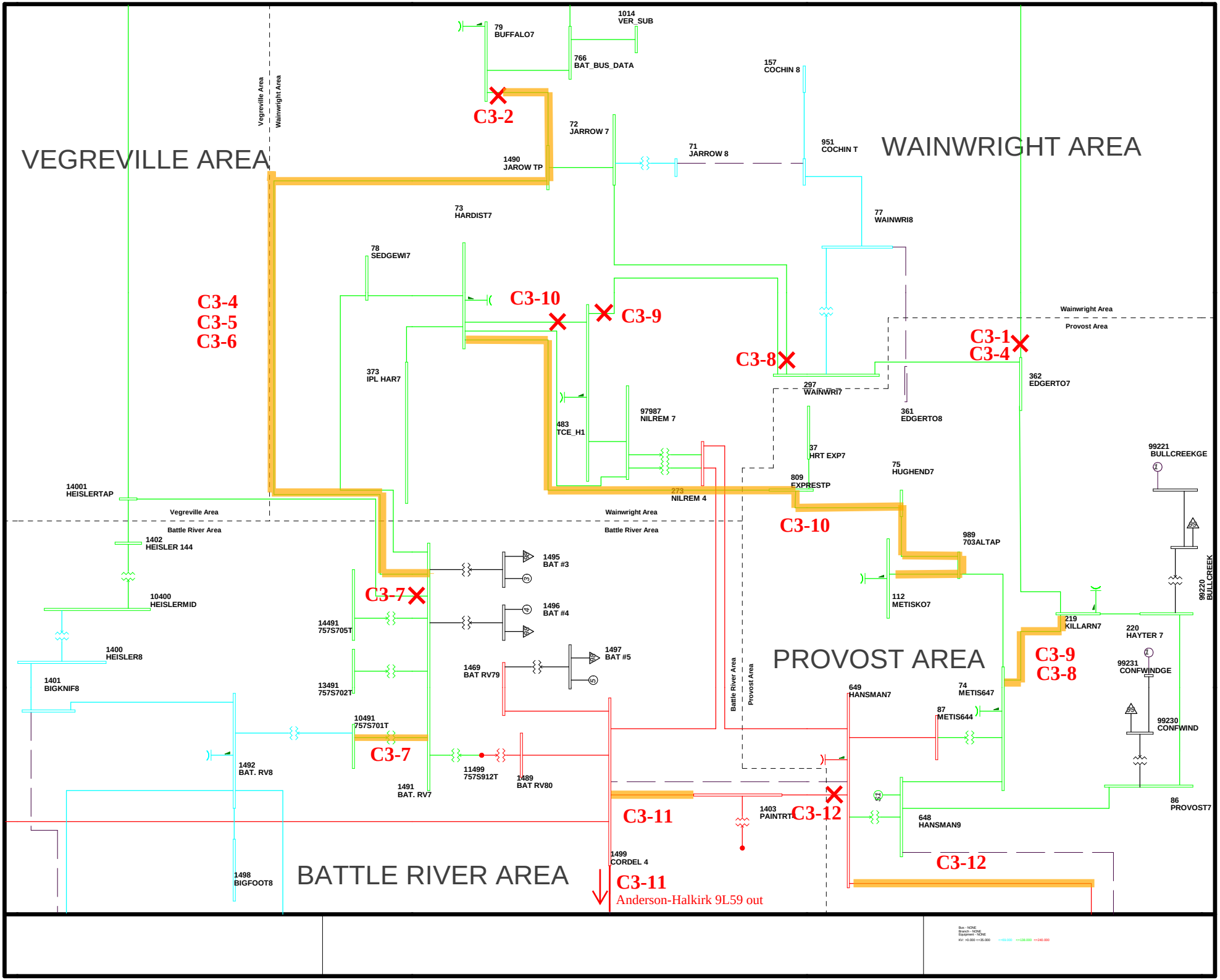
Fault Diagrams – Year 2017

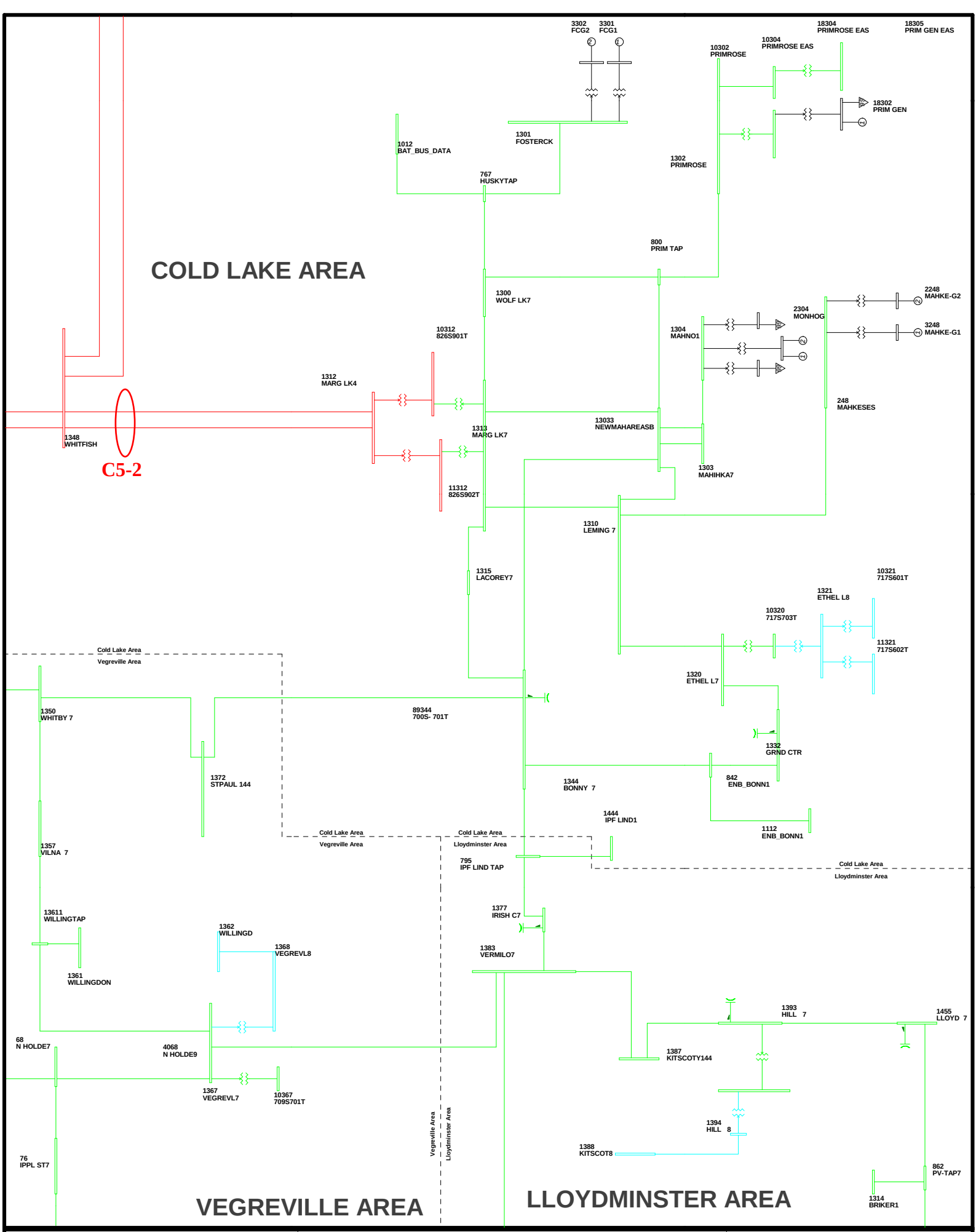

COLD LAKE AREA
3302 FCG2
3301 FCG1
1301 FOSTERCK
1012 BAT_BUS_DATA
767 HUSKYTAP
10302 PRIMROSE
10304 PRIMROSE EAS
18304 PRIMROSE EAS
18305 PRIM GEN EAS
18302 PRIM GEN
1302 PRIMROSE
800 PRIM TAP
1300 WOLF LK7
2248 MAHKE-G2
3248 MAHKE-G1
2304 MONHOG
1304 MAHNO1
248 MAHKESES
10312 826S901T
1312 MARG LK4
B1
13033 NEWMAHAREASB
1313 MARG LK7
1348 WHITFISH
1303 MAHIHKA7
11312 826S902T
1310 LEMING 7
1315 LACOREY7
10321 717S601T
1321 ETHEL L8
10320 717S703T
11321 717S602T
B2
1320 ETHEL L7
Cold Lake Area
Vegreville Area
1350 WHITBY 7
89344 700S- 701T
1372 STPAUL 144
1332 GRND CTR
1344 BONNY 7
842 ENB_BONN1
1444 IPF LIND1
1112 ENB_BONN1
Cold Lake Area
Lloydminster Area
1357 VILNA 7
795 IPF LIND TAP
13611 WILLINGTAP
1377 IRISH C7
1362 WILLINGD
1368 VEGREVL8
1383 VERMILO7
B3
1361 WILLINGDON
1393 HILL 7
1455 LLOYD 7
68 N HOLDE7
1387 KITSCOTY144
1367 VEGREVL7
10367 709S701T
1394 HILL 8
1388 KITSCOT8
76 IPPL ST7
862 PV-TAP7
1314 BRIKER1
VEGREVILLE AREA
LLOYDMINSTER AREA
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000


VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Vegreville Area
Battle River Area
Wainwright Area
Battle River Area
Wainwright Area
Provost Area
Battle River Area
Provost Area
79 BUFFALO7
1014 VER_SUB
766 BAT_BUS_DATA
B4
157 COCHIN 8
72 JARROW 7
1490 JAROW TP
71 JARROW 8
951 COCHIN T
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
373 IPL HAR7
483 TCE_H1
97987 NILREM 7
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
809 EXPRESTP
273 NILREM 4
B6
75 HUGHEND7
99221 BULLCREEKGE
99220 BULLCREEK
14001 HEISLERTAP
1402 HEISLER 144
B5
1495 BAT #3
1496 BAT #4
1497 BAT #5
14491 757S705T
13491 757S702T
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10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
1469 BAT RV79
1492 BAT. RV8
1491 BAT. RV7
11499 757S912T
1489 BAT RV80
989 703ALTAP
112 METISKO7
219 KILLARN7
220 HAYTER 7
99231 CONFWINDGE
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649 HANSMAN7
74 METIS647
87 METIS644
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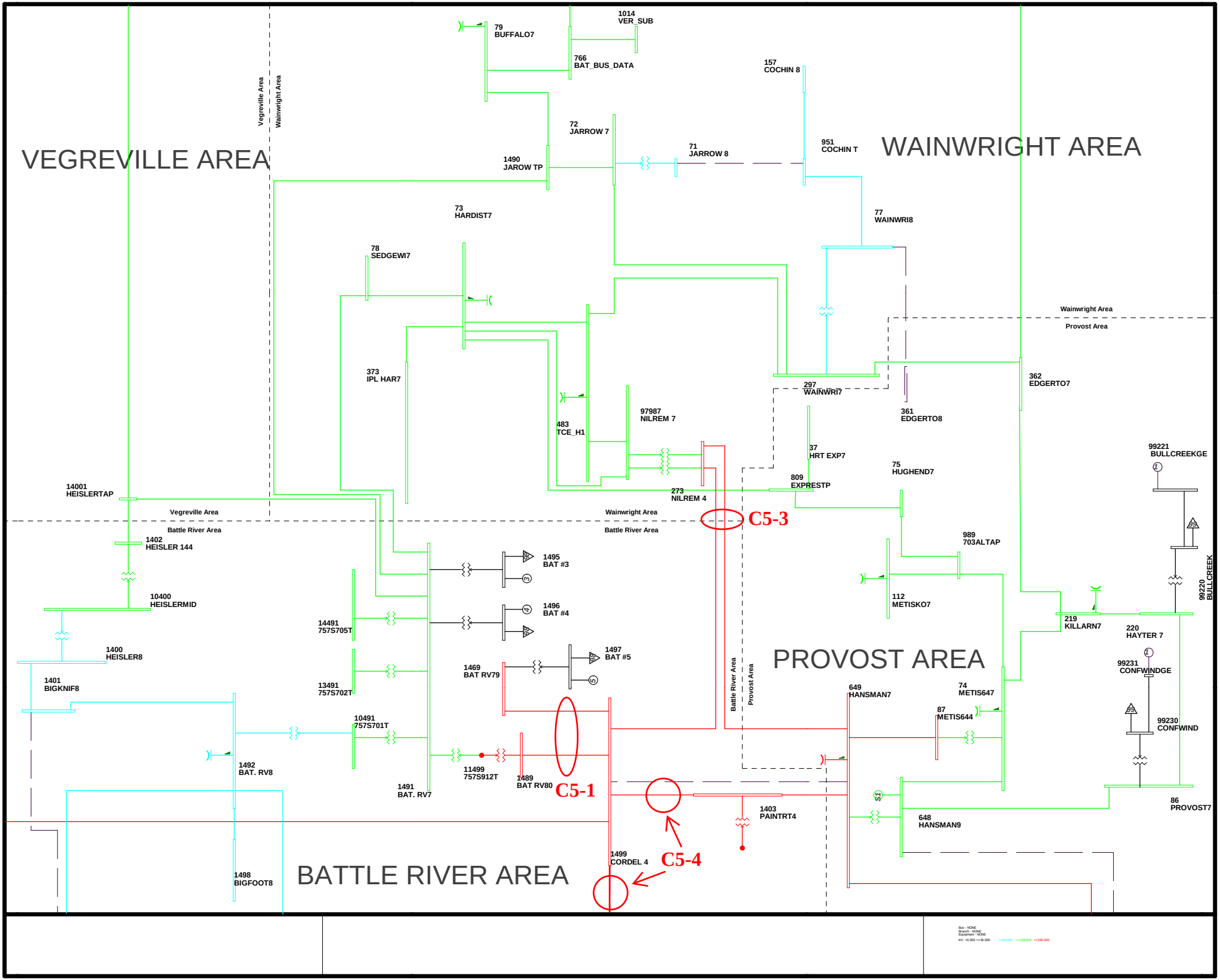


Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000

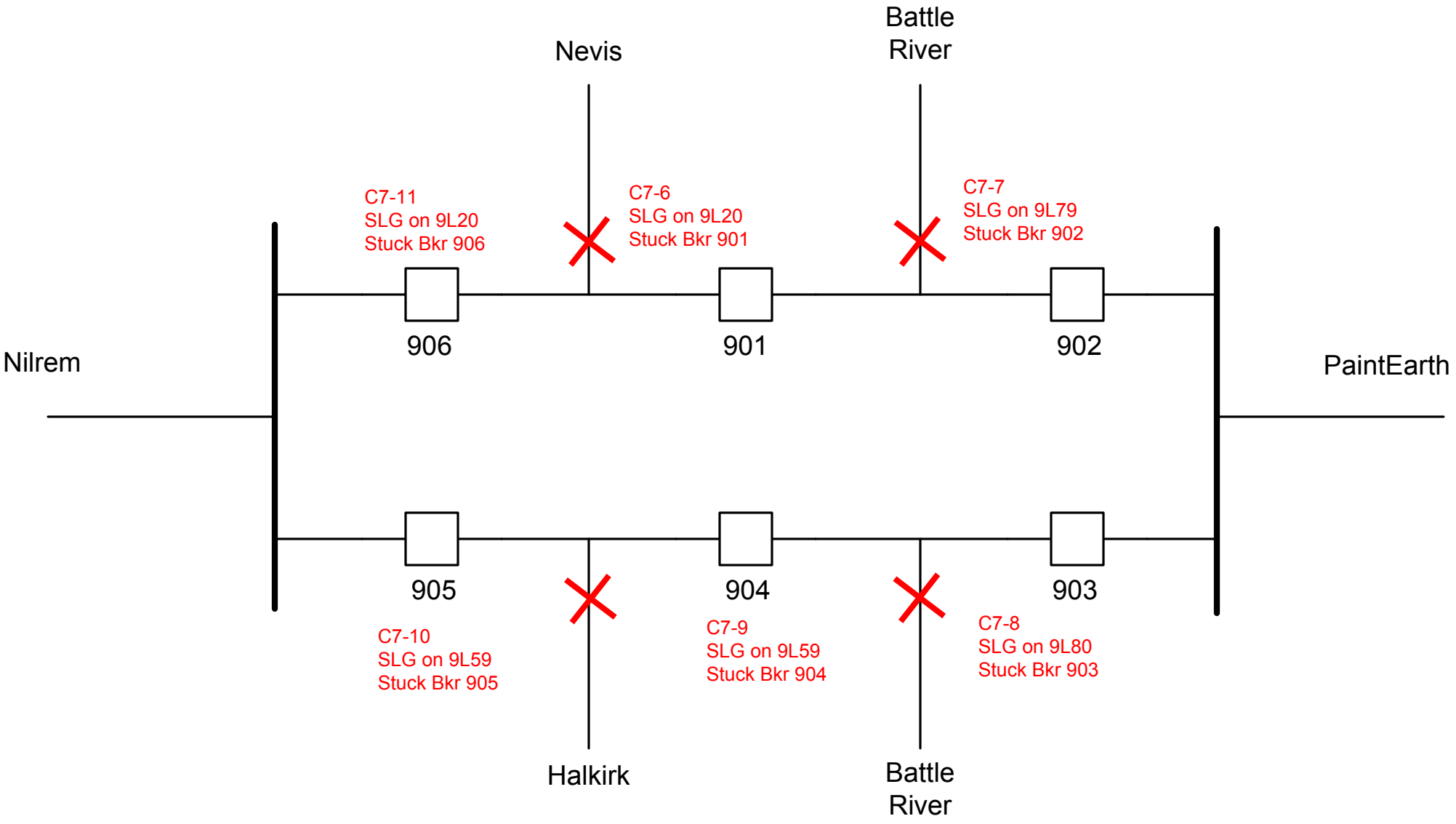

VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Provost Area
Battle River Area
79 BUFFALO7
1014 VER_SUB
766 BAT_BUS_DATA
157 COCHIN 8
72 JARROW 7
71 JARROW 8
951 COCHIN T
1490 JAROW TP
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
373 IPL HAR7
483 TCE_H1
97987 NILREM 7
273 NILREM 4
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
809 EXPRESTP
75 HUGHEND7
989 703ALTAP
112 METISKO7
14001 HEISLERTAP
1402 HEISLER 144
10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
1492 BAT. RV8
1498 BIGFOOT8
1491 BAT. RV7
14491 757S705T
13491 757S702T
10491 757S701T
11499 757S912T
1495 BAT #3
1496 BAT #4
1497 BAT #5
1469 BAT RV79
1489 BAT RV80
1499 CORDEL 4
1403 PAINTRT
649 HANSMAN7
74 METIS647
87 METIS644
648 HANSMAN9
86 PROVOST7
219 KILLARN7
220 HAYTER 7
99221 BULLCREEKGE
99220 BULLCREEK
99231 CONFWINDGE
99230 CONFWIND
C3-2
C3-4
C3-5
C3-6
C3-10
C3-9
C3-8
C3-1
C3-4
C3-10
C3-7
C3-7
C3-9
C3-8
C3-11
C3-12
C3-11
C3-12
Anderson-Halkirk 9L59 out



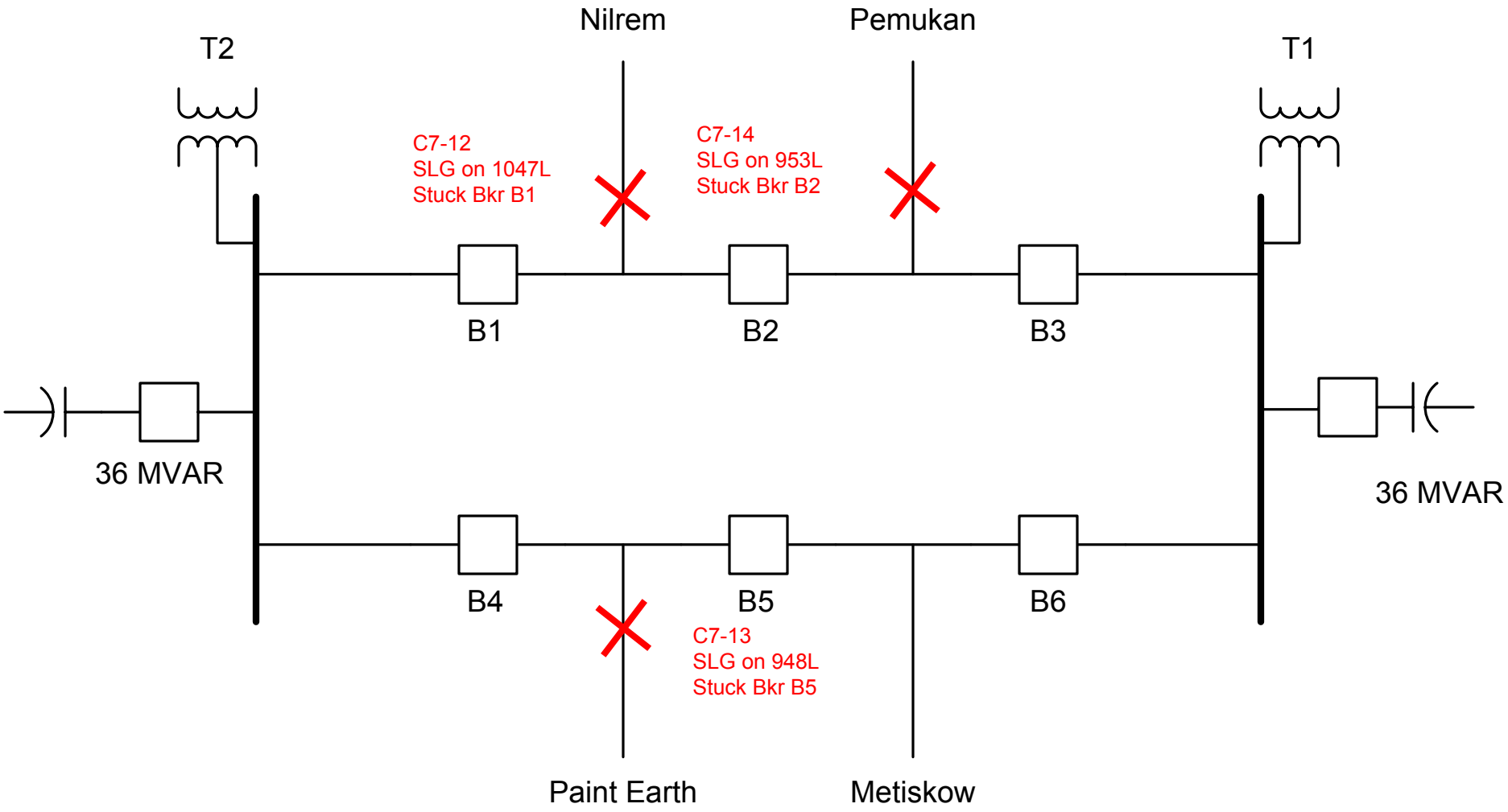
Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000


VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Vegreville Area
Battle River Area
Wainwright Area
Battle River Area
Wainwright Area
Provost Area
Battle River Area
Provost Area
79 BUFFALO7
1014 VER_SUB
766 BAT_BUS_DATA
157 COCHIN 8
72 JARROW 7
1490 JAROW TP
71 JARROW 8
951 COCHIN T
73 HARDIST7
77 WAINWRI8
78 SEDGEWI7
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483 TCE_H1
97987 NILREM 7
297 WAINWRI7
361 EDGERTO8
362 EDGERTO7
37 HRT EXP7
809 EXPRESTP
273 NILREM 4
75 HUGHEND7
99221 BULLCREEKGE
14001 HEISLERTAP
C5-3
989 703ALTAP
1402 HEISLER 144
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1497 BAT #5
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1469 BAT RV79
1400 HEISLER8
1401 BIGKNIF8
10491 757S701T
1492 BAT. RV8
11499 757S912T
1489 BAT RV80
1491 BAT. RV7
C5-1
1403 PAINTRT4
C5-4
1499 CORDEL 4
1498 BIGFOOT8
649 HANSMAN7
74 METIS647
87 METIS644
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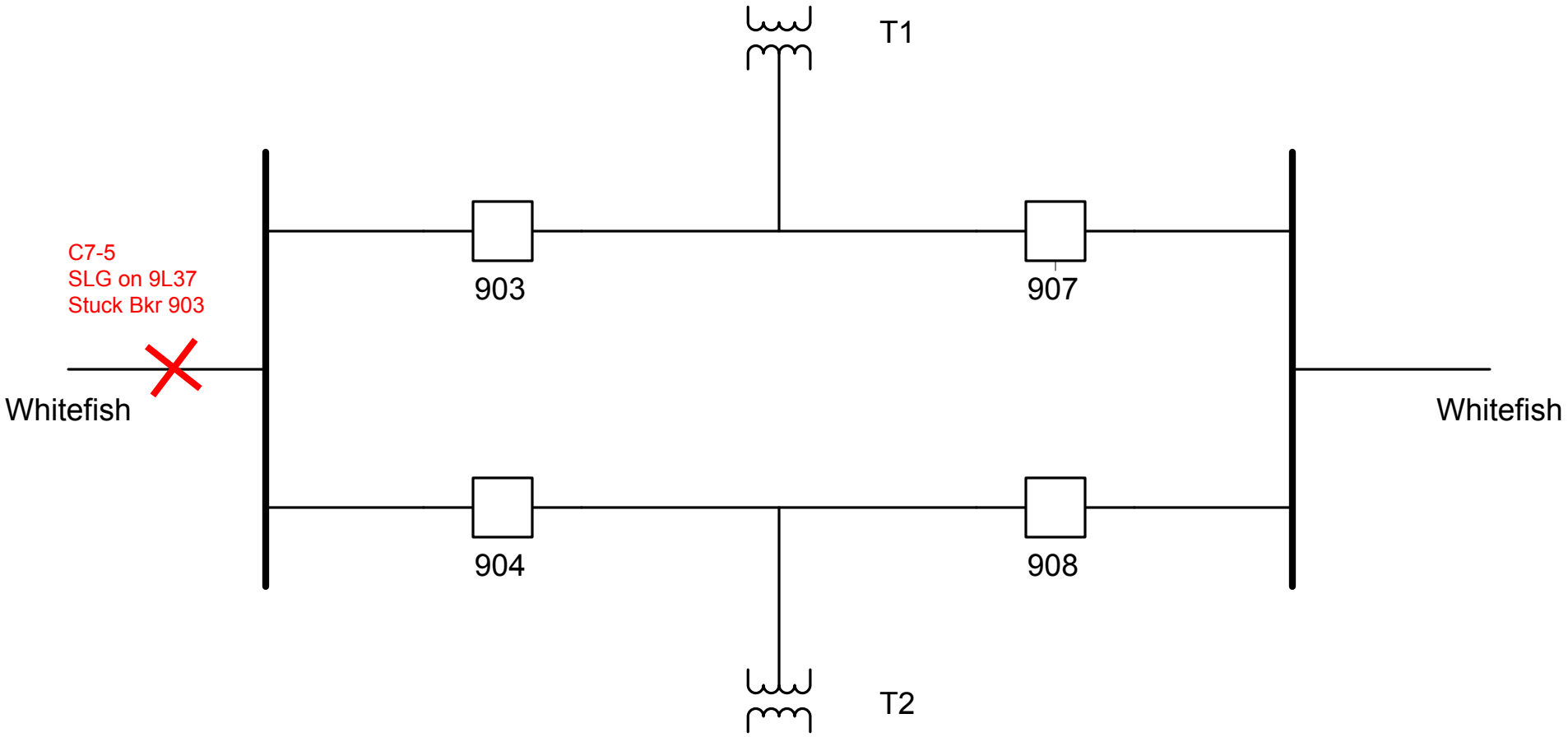
Definition of C7 - Cordel Substation 755S



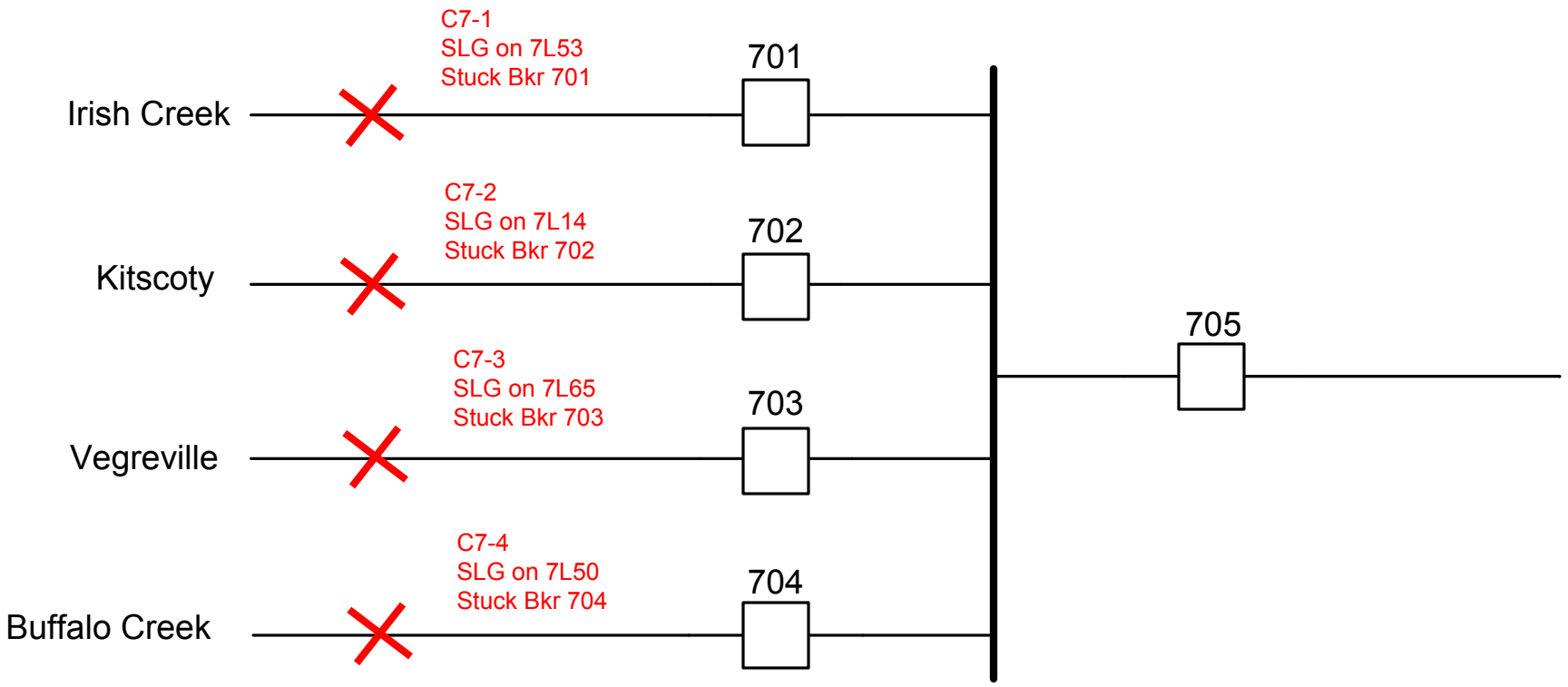
Definition of C7 - Hansman Lake Substation 650S

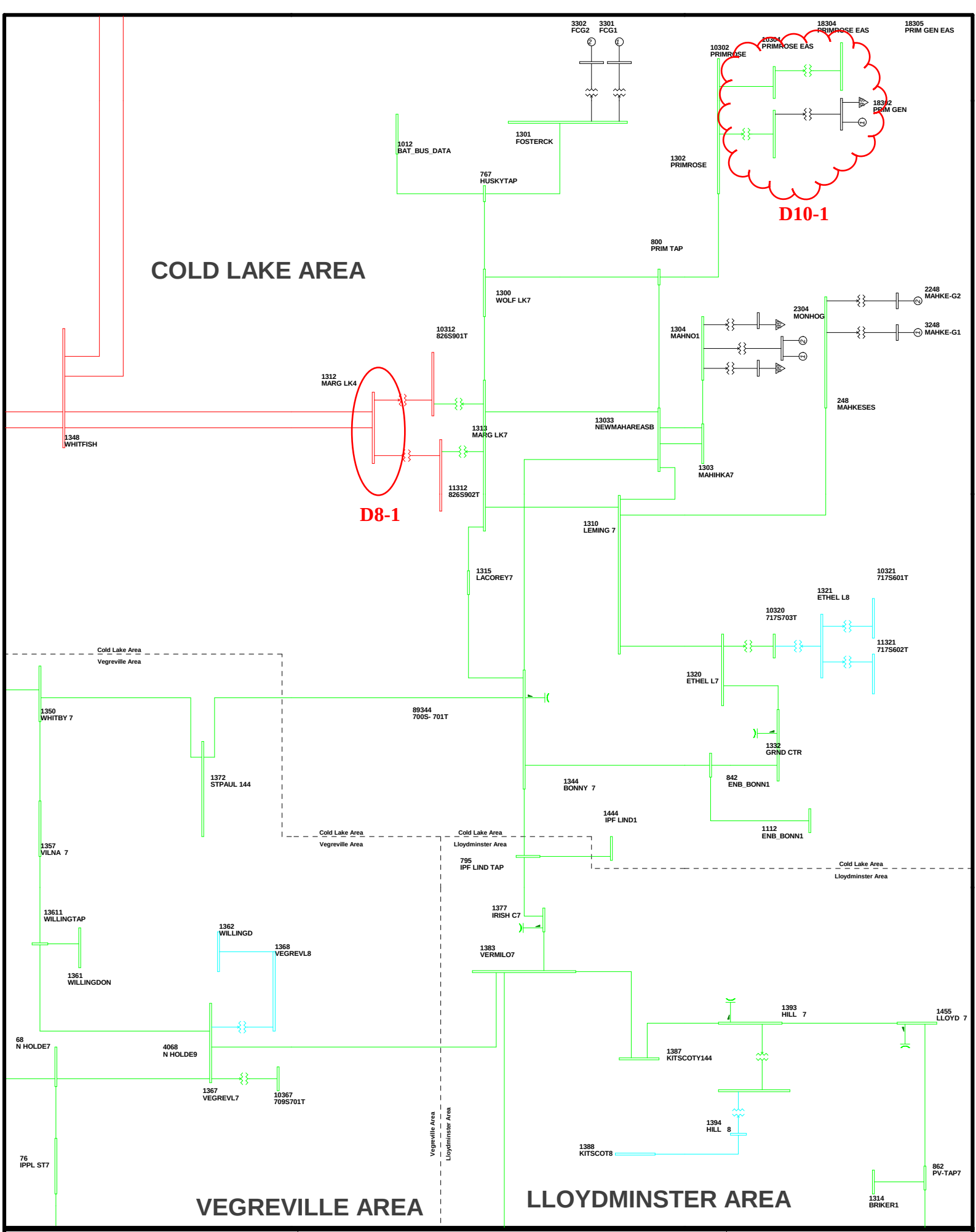


Definition of C7 - Marguerite Lake Substation 826S

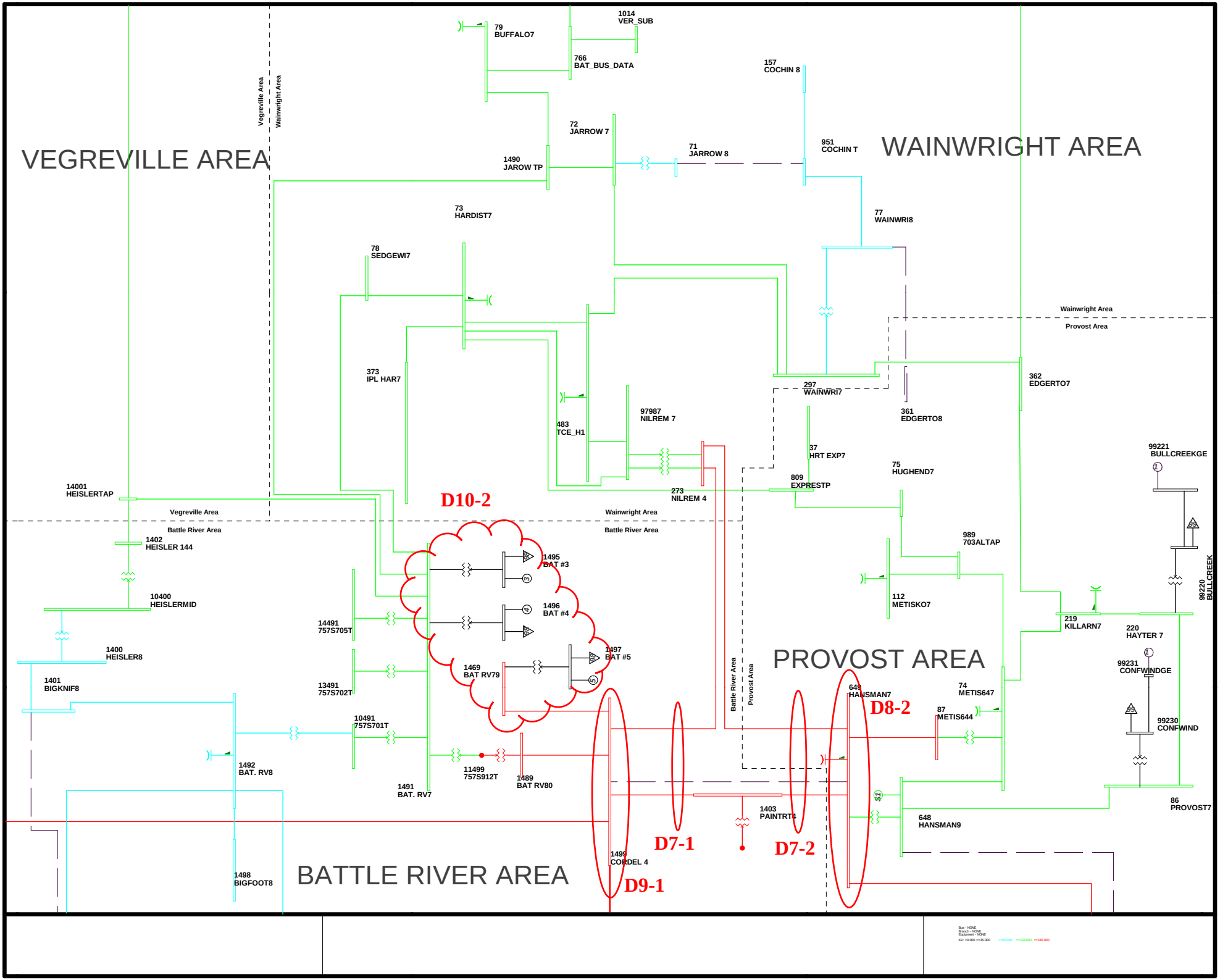


Definition of C7 - Vermilion Substation 710S





Bus - NONE
Branch - NONE
Equipment - NONE
100.0%RATEB
1.100OV 0.950UV
KV: >0.000<=35.000 <=69.000 <=138.000 <=240.000


VEGREVILLE AREA
WAINWRIGHT AREA
PROVOST AREA
BATTLE RIVER AREA
Vegreville Area
Wainwright Area
Battle River Area
Provost Area
79 BUFFALO7
1014 VER_SUB
766 BAT_BUS_DATA
157 COCHIN 8
72 JARROW 7
1490 JAROW TP
71 JARROW 8
951 COCHIN T
73 HARDIST7
77 WAINWRI8
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373 IPL HAR7
483 TCE_H1
97987 NILREM 7
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361 EDGERTO8
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809 EXPRESTP
273 NILREM 4
75 HUGHEND7
14001 HEISLERTAP
1402 HEISLER 144
10400 HEISLERMID
1400 HEISLER8
1401 BIGKNIF8
1492 BAT. RV8
1498 BIGFOOT8
1491 BAT. RV7
1495 BAT #3
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1499 CORDEL 4
1403 PAINTRT4
989 703ALTAP
112 METISKO7
649 HANSMAN7
74 METIS647
87 METIS644
648 HANSMAN9
219 KILLARN7
220 HAYTER 7
99221 BULLCREEKGE
99220 BULLCREEK
99231 CONFWINDGE
99230 CONFWIND
86 PROVOST7
D10-2
D8-2
D7-1
D7-2
D9-1

Dynamic Stability Plots

2017 Winter Peak

Summary of Results

Table - 1 2017 Winter Peak Load Category B Contingencies

Case ID	Description	Observation
	Category B Faults	
B1	Marguerite Lake -- New Mahihkan 144 kV line 3Ø fau 6 cycles: trip CB at Marguerite Lake 8 cycles: trip CB at New Mahihkan	System stable Good voltage recovery No load shedding
B2	New Mahihkan -- Bonnyville 144 kV line 3Ø fault 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable Good voltage recovery No load shedding
B3	Irish Creek -- Vermilion 144 kV line 3Ø fault 6 cycles: trip CB at Irish Creek 8 cycles: trip CB at Vermilion	System stable Good voltage recovery No load shedding
B4	Vermilion -- Buffalo Creek 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Buffalo Creek	System stable[1] Good voltage recovery No load shedding
B5	Buffalo Creek -- Battle River 7L50 kV line 3Ø fault 6 cycles: trip CB at Buffalo Creek 8 cycles: trip CB Battle River	System stable Good voltage recovery No load shedding
B6	Cordel -- Nilrem 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nilrem	System stable with UVLS scheme[2] Good voltage recovery Five Motors in Wainwright area Trip[3]
B7	Nevis -- Cordel 240 kV line 3Ø fault 5 cycles: trip CB at Nevis 6 cycles: trip CB at Cordel	System stable[1] Good voltage recovery No load shedding
B8	Hansman -- Pemukan 240 kV line 3Ø fault 5 cycles: trip CB at Hansman 6 cycles: trip CB at Pemukan	System Stable Good voltage recovery No load shedding
B9	Cordel -- Nevis 240 kV line 9L20 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nevis	System stable with UVLS scheme[2] Good voltage recovery Five Motors in Wainwright area Trip[3]
B10	Cordel -- Paint Earth 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Paint Earth	System stable with UVLS scheme[2] Good voltage recovery Five Motors in Wainwright area Trip[3]
B11	Cordel -- Halkirk 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Halkirk	System stable with UVLS scheme[2] Good voltage recovery Five Motors in Wainwright area Trip[3]

[1] Slight change in rotor angles but stable as demonstrated by machine speed, Machine power and comparison of absolute and relative machine rotor angles.

[2] Rotor angle increase indicates non-oscillatory instability but system is stable as illustrated by behavior of machine power, machine speed with time and comparison of absolute and relative machine rotor angles.

(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[3] Five motor loads at Tucuman + Nilrem trip under UVLS scheme. UVLS requires instantaneous (3 cycle) trip of motor loads at Tucuman & Nilrem.

Table - 2 2017 Winter Peak Load Category C3 Contingencies

Case ID	Description	Observation
	C3 N-1-1 Faults	
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-1	Lloydminster -- Edgerton 144 kV line 3Ø fault 6 cycles: trip CB at Lloydminster 8 cycles: trip CB at Edgerton	System stable Good voltage recovery No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-2	Battle River -- Buffalo Creek 144 kV 3Ø fault 6 cycles: trip CB at Battle River 8 cycles: trip CB at Buffalo Creek	System stable[1] Good voltage recovery No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-3	Vermilion -- Kitscoty 144 kV 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Kitscoty	System stable Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-4	Lloydminster -- Edgerton 144 kV line 3Ø fault 6 cycles: trip CB at Lloydminster 8 cycles: trip CB at Edgerton	System stable[1] Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-5	New Mahihkan -- Bonnyville 144 kV line 3Ø f 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable[1] Good voltage recovery No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-6	Vermilion -- Vegreville 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Vegreville	System stable Good voltage recovery No load shedding
	Loss of 701T Battle River AND	
C3-7	Heisler -- Battle River 6L05 kV line 3Ø fault 6 cycles: trip CB at Heisler 8 cycles: trip CB at Heisler	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-8	Jarrow -- Wainwright 144 kV line 3Ø fault 6 cycles: trip CB at Jarrow 8 cycles: trip CB at Wainwright	System stable Good voltage recovery No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-9	Wainwright -- Nilrem 144 kV line 3Ø fault 6 cycles: trip CB at Wainwright 8 cycles: trip CB at Nilrem	System stable Good voltage recovery No load shedding

[1] Slight change in rotor angles but stable as demonstrated by machine speed.
Machine power and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 2 2017 Winter Peak Load Category C3 Contingencies

(Continued)

Case ID	Description	Observation
	Loss of 749L Metiskow to Hardisty AND	
C3-10	Hardisty -- Nilrem 144 kV line 3Ø fault 6 cycles: trip CB at Hardisty 8 cycles: trip CB at Nilrem	System stable with UVLS scheme[1] Good voltage recovery Five motor loads in Wainwright area trip[2]
	Loss of 9L26 Cordel to PaintEarth AND	
C3-11	Anderson -- Halkirk 240 kV line 9L59 3Ø fault 5 cycles: trip CB at Anderson 6 cycles: trip CB at Halkirk	System stable with UVLS scheme[1] Good voltage recovery One motor load in Empress area trips[3]
	Loss Hansman Pemukan AND	
C3-12	PaintEarth -- Hansman 240 kV line 9L59 3Ø fa 5 cycles: trip CB at PaintEarth 6 cycles: trip CB at Hansman	System stable with UVLS scheme[1] Good voltage recovery Five motor loads in Wainwright area trip[2]

[1] Rotor angle increase indicates non-oscillatory instability but system is stable as illustrated b behavior of machine power, machine speed with time and comparison of absolute and relati machine rotor angles.

(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] Five motor loads at Tucuman trip under UVLS scheme. UVLS requires instantaneous (3 cycle) trip of motor loads at Tucuman & Nilrem.

[3] One motor loads at Dome trip under UVLS scheme.

Table - 3 2017 Winter Peak Load Category C5 Contingencies

Case ID	Description	Observation
	Category C5 Faults	
C5-1	Double SLG fault at Cordel on Cordel to Battle River double circuit circuit line 5 cycles: trip 2 circuit breakers at Cordel 6 cycles: trip at Battle River	System stable[1,2] Good voltage recovery No load shedding
C5-2	Double SLG at Whitefish on Whitefish -- Marguerite Lake double circuit line 5 cycles: trip at Whitefish 6 cycles: trip at Marquerite Lake	System stable Good voltage recovery No load shedding
C5-3	Double SLG at Nilrem on double circuit line into Nilrem 5 cycles: trip at Nilrem 6 cycles: trip at Cordel and Hansman Lake	System stable[3] Good voltage recovery No load shedding
C5-4	Double SLG at Cordel on double circuit line 5 cycles: trip at Cordel 6 cycles: trip at Paint Earth and Halkirk	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[3] Slight change in rotor angles but stable as demonstrated by machine speed. Machine power and comparison of absolute and relative machine rotor angles.

Table - 4 2017 Winter Peak Load Category C7 Contingencies

Case ID	Description	Observation
	Category C7 Faults	
	Vermilion Substation	
C7-1	SLG fault on 7L53, stuck breaker 701 6 cycles: trip CB at Irish Creek 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-2	SLG fault on 7L14, stuck breaker702 6 cycles: trip CB at Kitscoty 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-3	SLG fault on 7L65, stuck breaker 703 6 cycles: trip CB at Vegreville 18 cycles: trip 144 kV bus at Vermillion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion	
C7-4	SLG fault on 7L50, stuck breaker 704 6 cycles: trip CB at Battle Creek 18 cycles: trip 144 kV bus Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Whitefish	
C7-5	Whitefish -- Marguerite Lake SLG fault on 9L37, stuck breaker 903 6 cycles: trip CB at Whitefish 18 cycles: trip CB 907 at Marguerite Lake	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-6	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 901 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L79 from Cordel to Battle River trip bkr on 9L20 from Nevis to Cordel at Cordel	System stable[2, 3] Good voltage recovery No load shedding

[1] Rotor angles increase but stable as shown by machine speed, machine power and relative angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] Line to Battle River #5 lost so Battle River separates from system.

[3] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles.

Table - 4 2017 Winter Peak Load Category C7 Contingencies

(Continued)

Case ID	Description	Observation
	Category C7 Faults	
	Cordel Substation	
C7-7	SLG fault on 9L79 from Cordel to Battle River. Stuck brk 902 6 cycles: trip bkr on 9L79 from Cordel to Battle River at Battle River 18 cycles trip 9L927 from Cordel to PaintEarth trip bkr on 9L79 from Cordel to Battle River at Cordel	System stable[1,2] Good voltage recovery No load shedding
	Cordel Substation	
C7-8	SLG fault on 9L80 from Cordel to Battle River. Stuck brk 903 6 cycles: trip bkr on 9L80 from Cordel to Battle River at Battle River 18 cycles: trip 9L927 from Cordel to PaintEarth trip bkr on 9L80 from Cordel to Battle River at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-9	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 904 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L80 from cordel to Battle River trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-10	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 905 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L953 from Cordel to Nilrem. Hansman on SLG trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable[3] Good voltage recovery No load shedding
	Cordel Substation	
C7-11	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 906 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L953 from Cordel to Nilrem. trip bkr on 9L20 from Nevis to Cordel at Cordel.	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-12	SLG Nilrem-Hansman near Hansman, stuck breaker (New station no breaker #s assigned 6 cycles: trip @ Nilrem 18 cycles: trip T2 and 1 36 MVAR capbank @ Hansman Lake	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-13	SLG on 948L, stuck breaker 6 cycles: trip PE end of 948L 18 cycles: trip 948L to PE + 954L to Metiskow and Hansman	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-14	SLG on 953L to Pemukan, stuck breaker 6 cycles: trip line Pemukan end at 953L 18 cycles: trip Pemukan + Nilrem to Hansman @ Hansman	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.

[3] Slight change in rotor angles but stable as demonstrated by machine speed.
Machine power and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point,
while the relative rotor angle shows that the system as a whole is stable)

Table - 5 2017 Winter Peak Load Category D Contingencies

Case ID	Description	Observation
	Category D Faults	
D7-1	Trip Cordel -- Paint Earth 9L27 Trip Cordel -- Nilrem 9L953 Lines in common ROW "west side"	System stable[5] Good voltage recovery No load shedding
D7-2	Trip Hansman Lake -- Paint Earth 9L948 Trip Hansman Lake -- Nilrem 953L Lines in common ROW "east side"	System stable Good voltage recovery No load shedding
D8-1	Trip 240 kV lines & transformers @ Marguerite Lake Trip bus 1312	System stable Good voltage recovery No load shedding
D8-2	Trip 240 kV lines & transformer @ Hansman Lake Trip bus 649	System stable[6] Good voltage recovery No load shedding
D9-1	Trip 240 kV lines @ Cordel Trip bus 1499	System stable[1,2] Good voltage recovery No load shedding
D10-1	Loss of all units @ Primrose Trip bus 18302 + 18305	System stable[2,3] Good voltage recovery No load shedding
D10-2	Loss of all units @ Battle River Trip bus, 1495, 1496, 1497	System stable[2,4] Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles.

[3] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.

[4] Rotor angles increase but stable as shown by machine speed, machine power and relative angles. All Battle River units (#3,#4,#5) are lost so Battle River machines separate from system.

[5] Rotor angles decrease but stable as shown by machine speed, machine power and relative angles.

[6] Rotor angles increase but stable as shown by machine speed, machine power and relative angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Dynamic Stability Plots

2017 Winter Peak

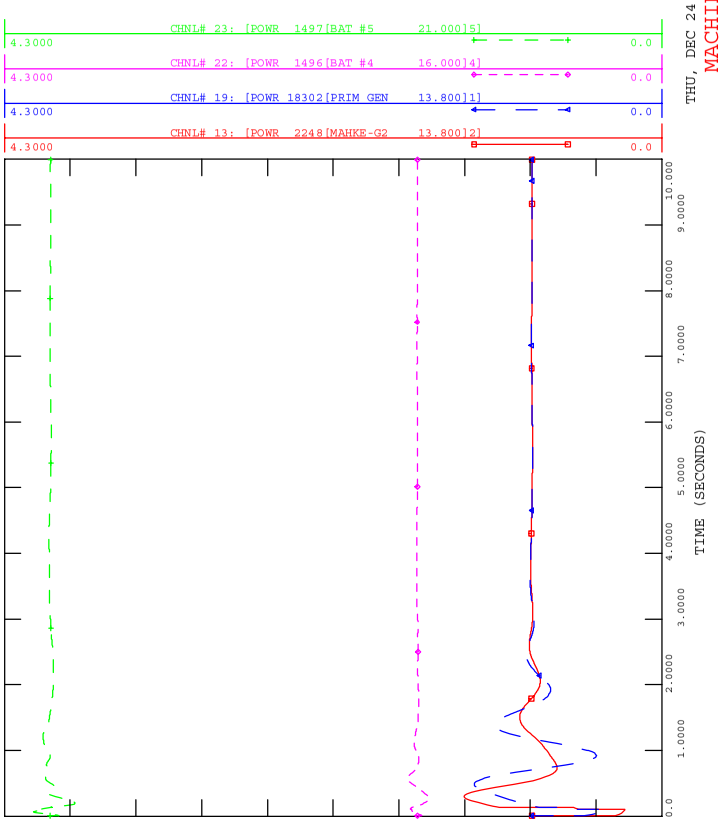
Category B Contingencies

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

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MACHINE POWER

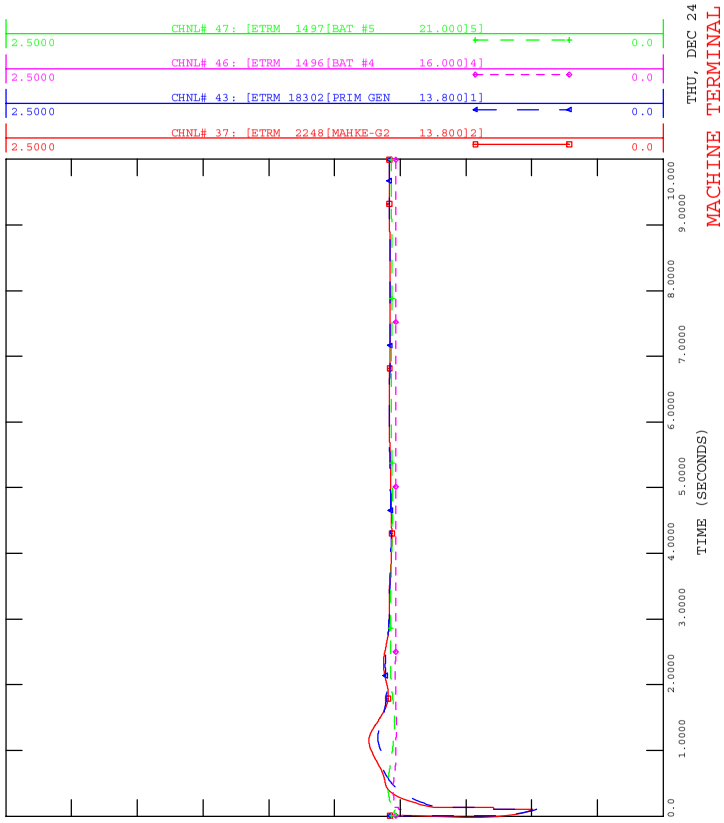


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

MACHINE TERMINAL VOLTAGE

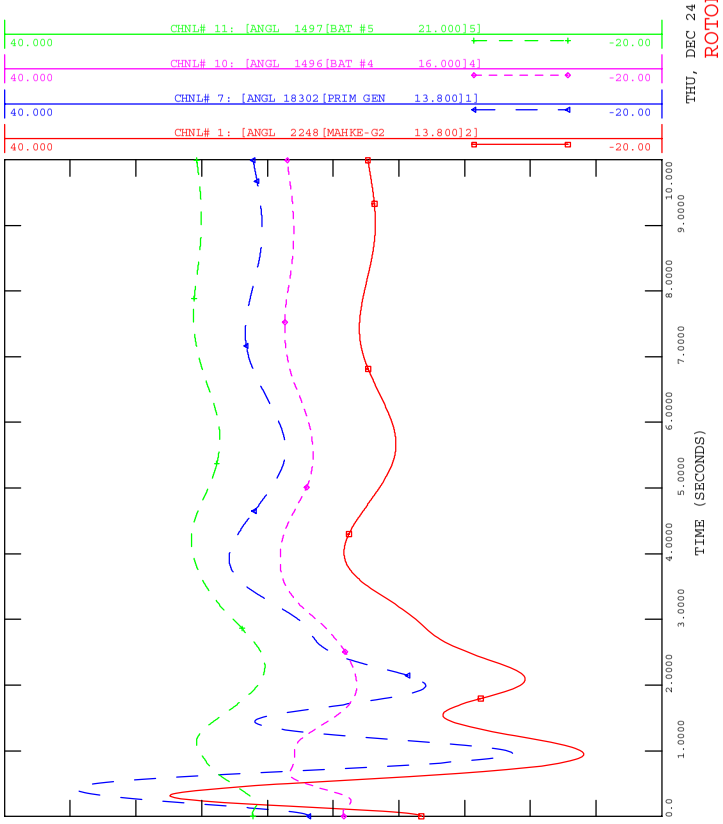


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

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ROTOR ANGLES

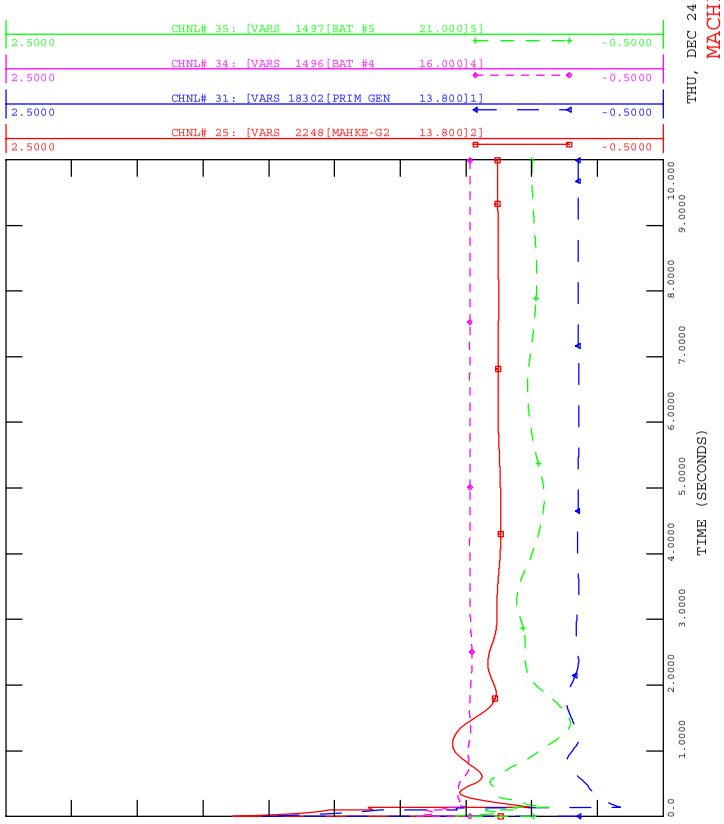


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

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MACHINE VARS

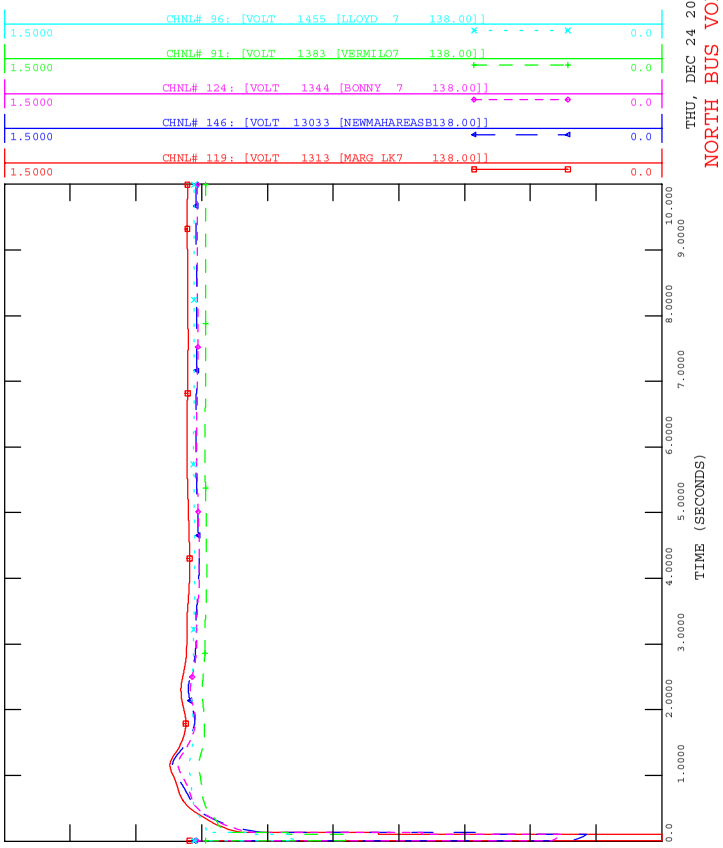


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

NORTH BUS VOLTAGES

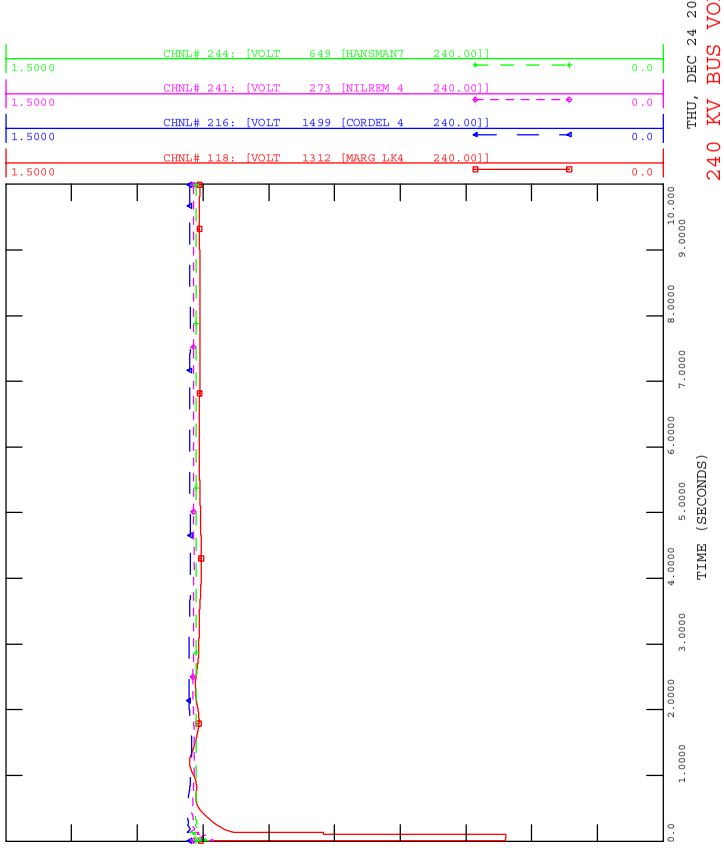


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

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240 KV BUS VOLTAGES

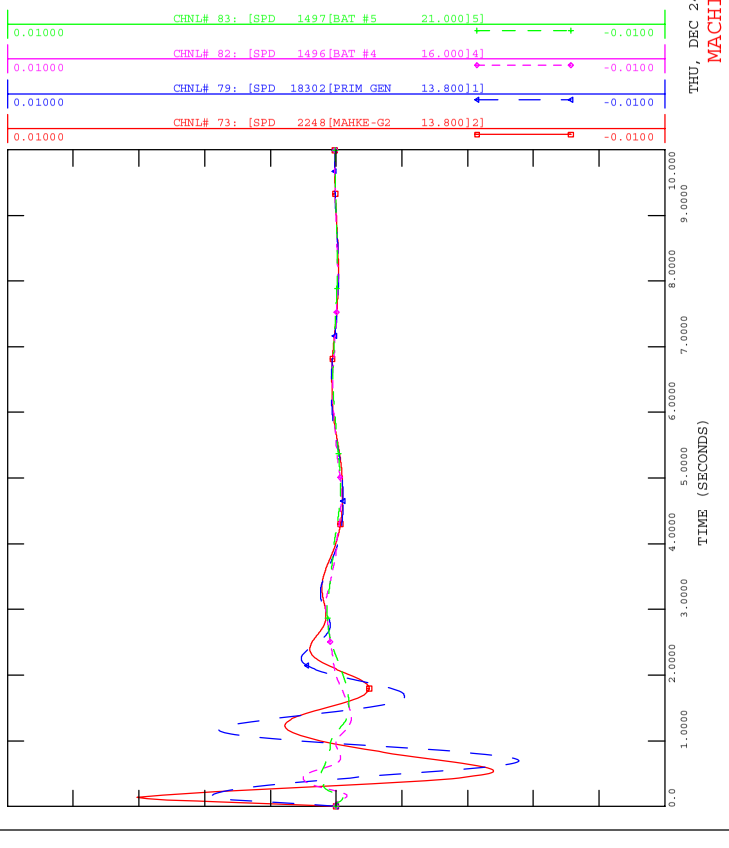


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

MACHINE SPEED

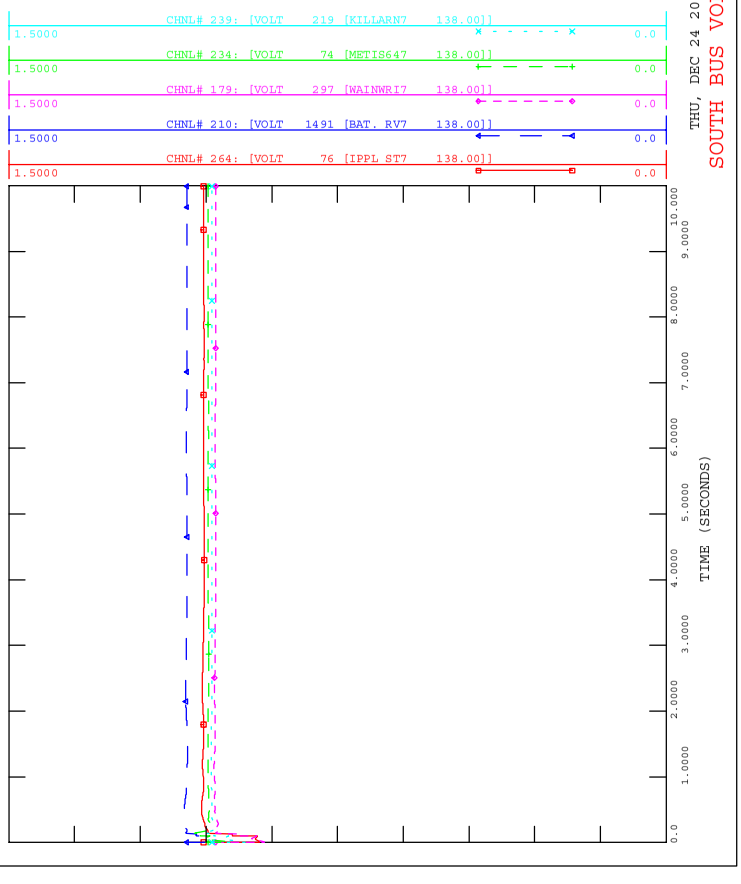


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

SOUTH BUS VOLTAGES

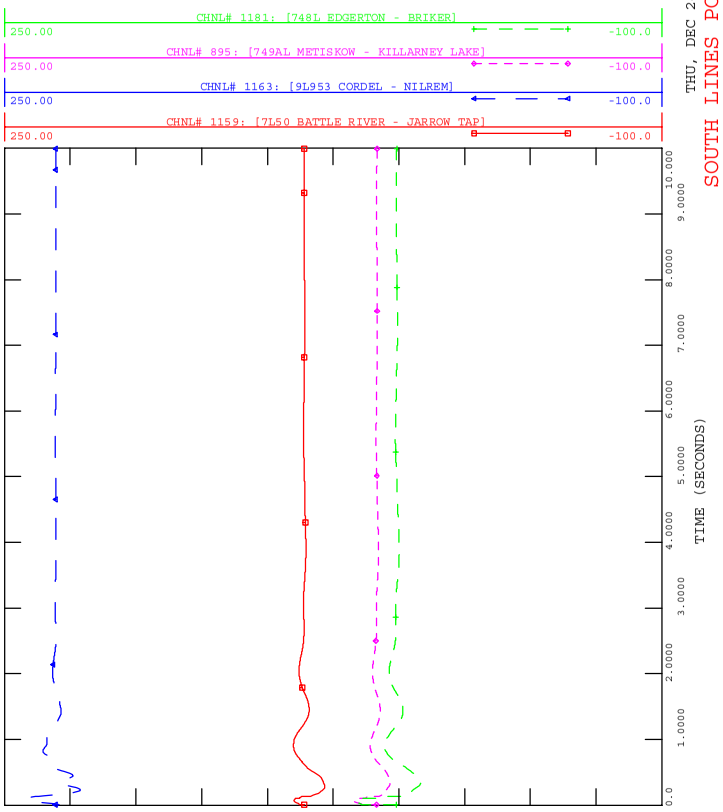


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

SOUTH LINES POWER FLOW

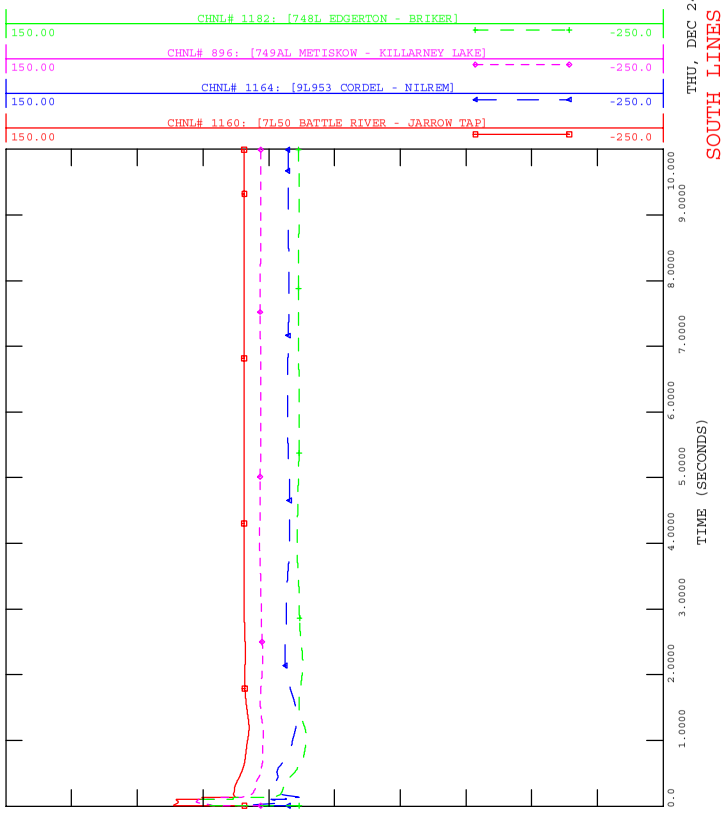


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

SOUTH LINES VAR FLOW

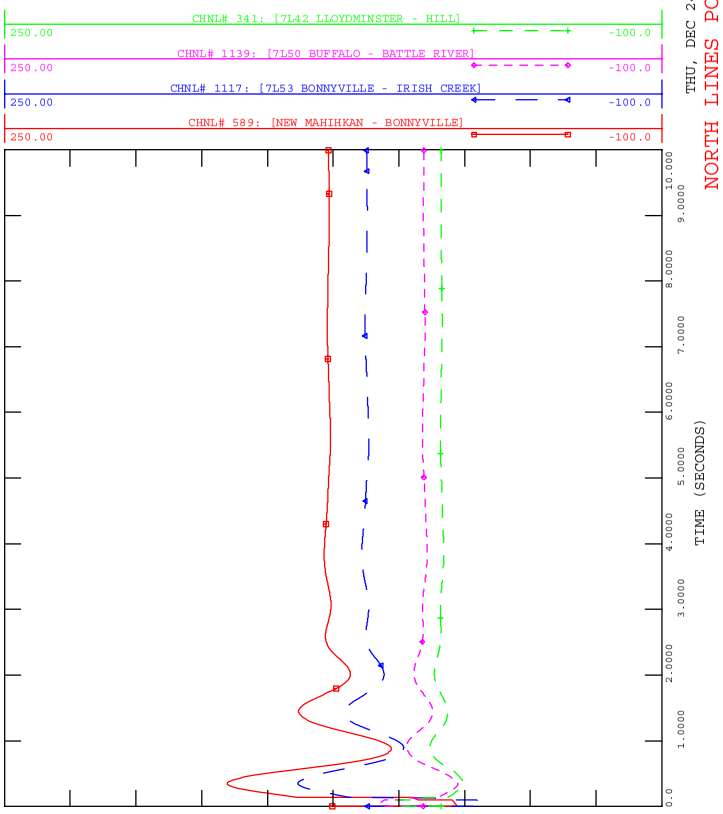


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

NORTH LINES POWER FLOW

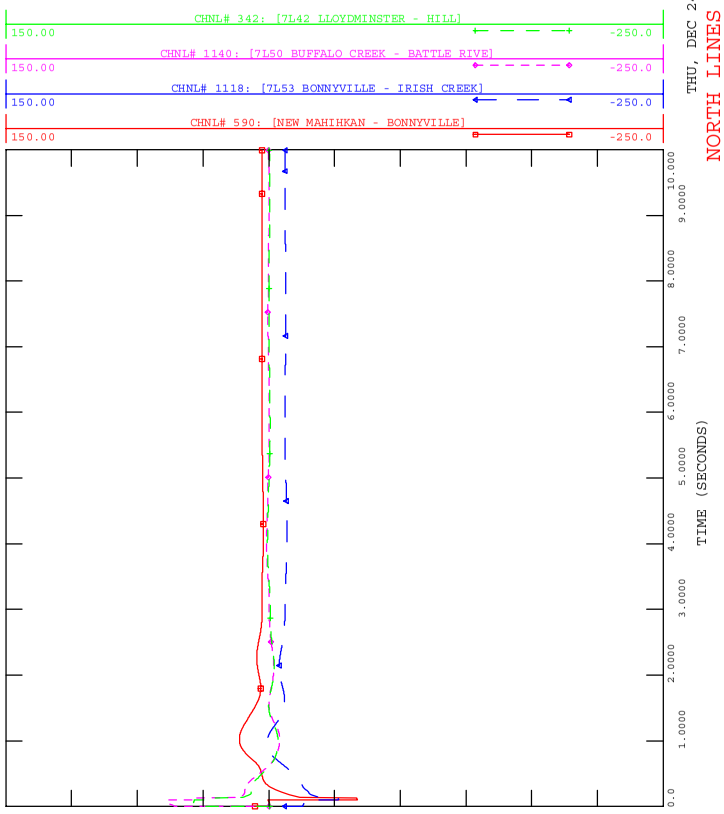


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B1fault.out

THU, DEC 24 2009 8:06

NORTH LINES VAR FLOW

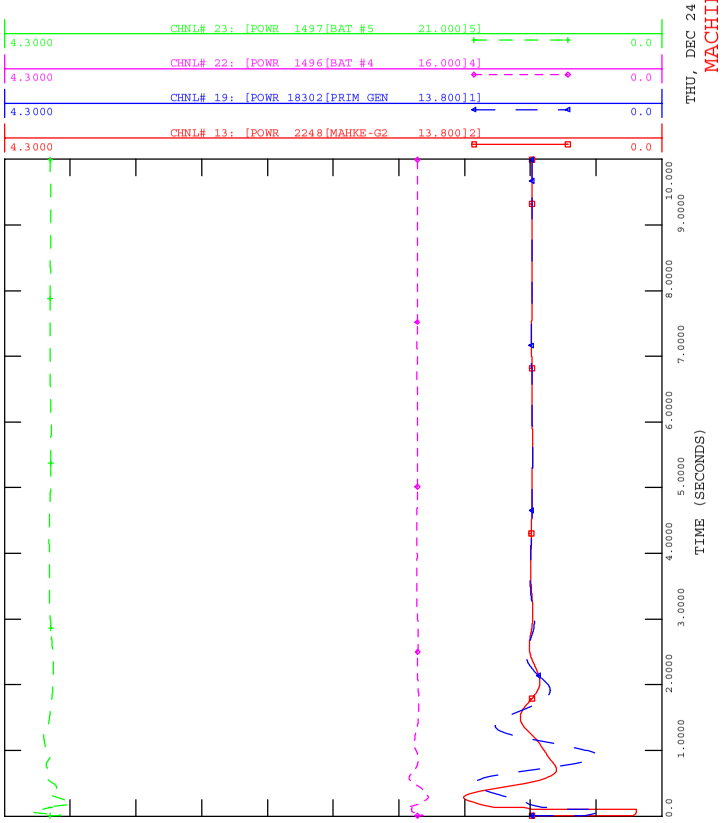


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

MACHINE POWER

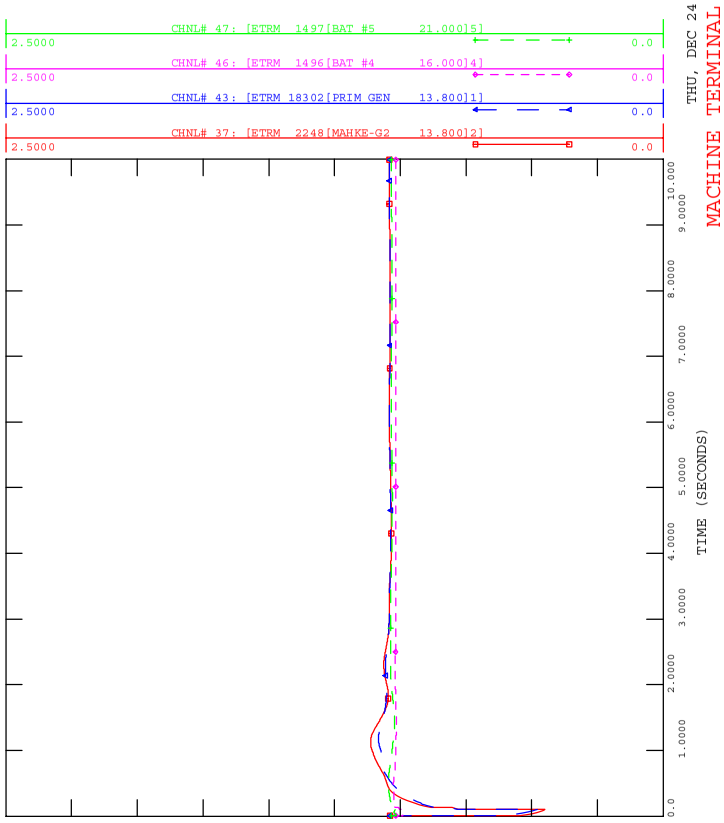


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

MACHINE TERMINAL VOLTAGE

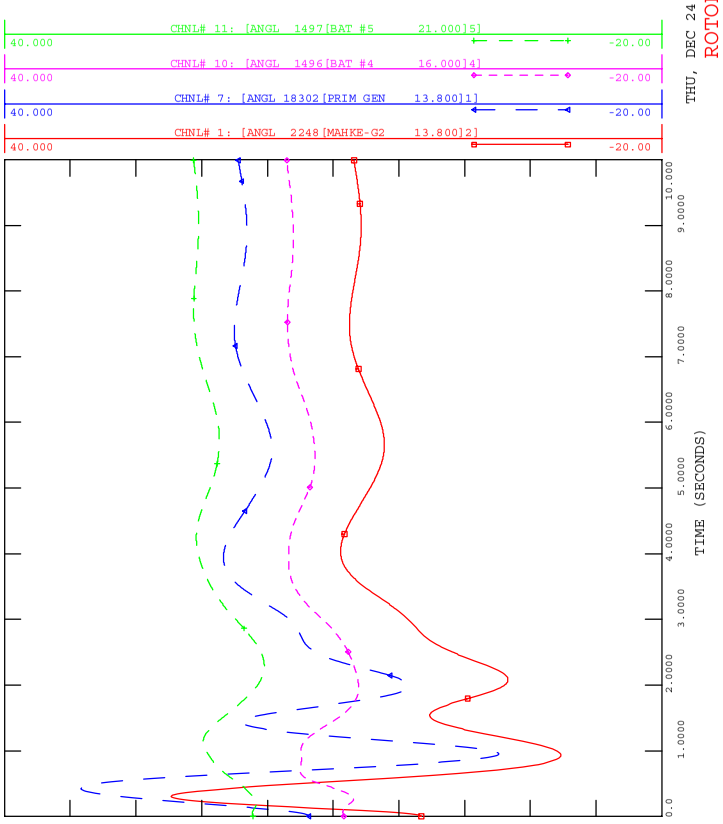


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

ROTOR ANGLES

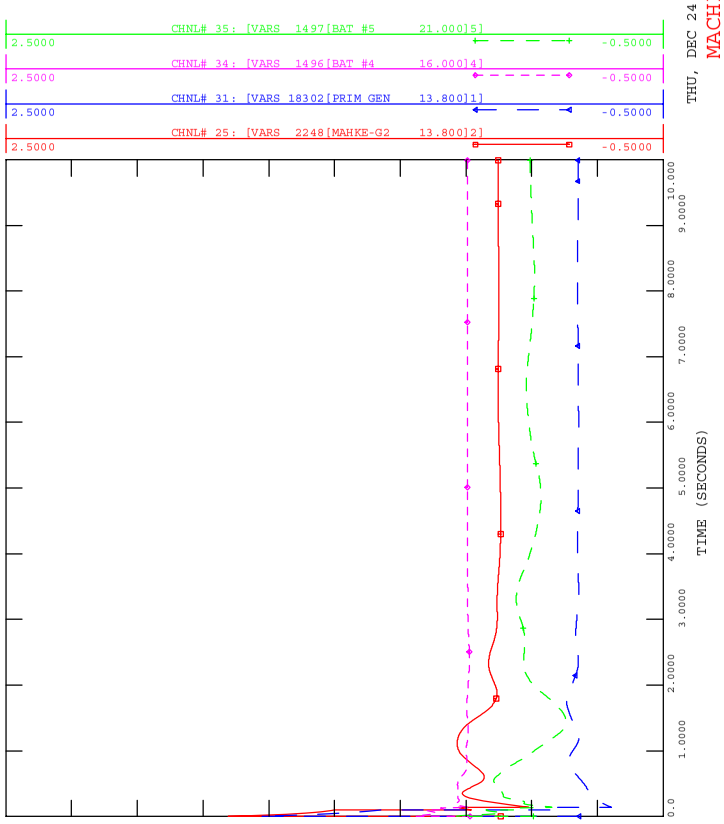


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

MACHINE VARS

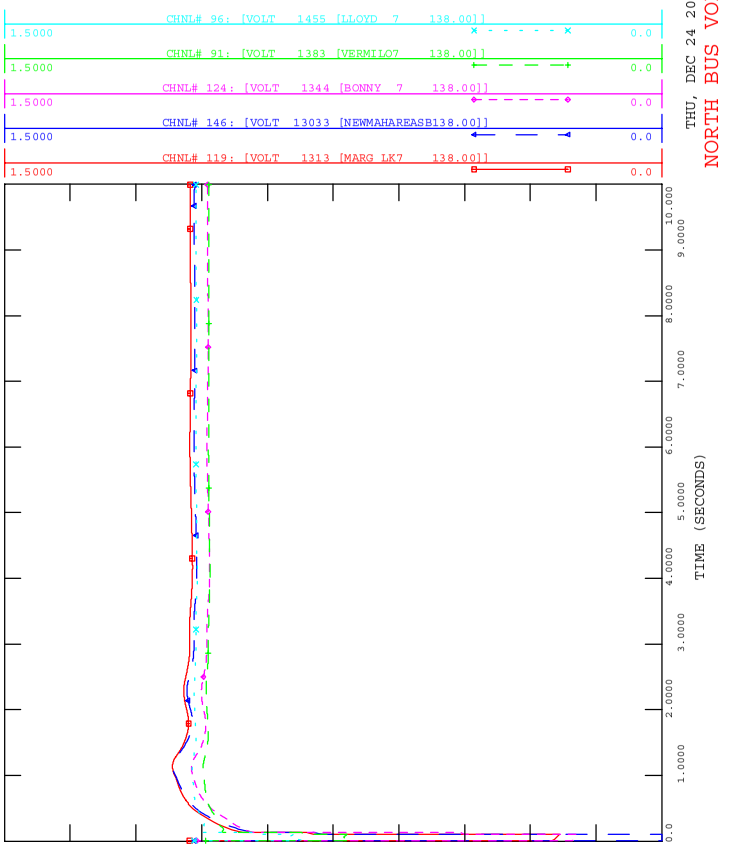


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

NORTH BUS VOLTAGES

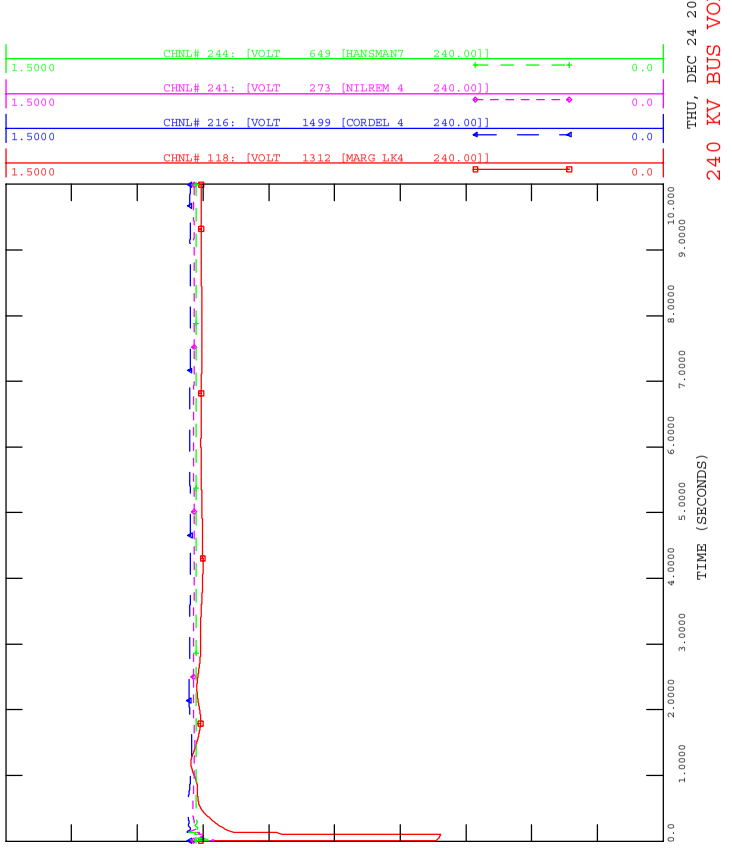


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

240 KV BUS VOLTAGES

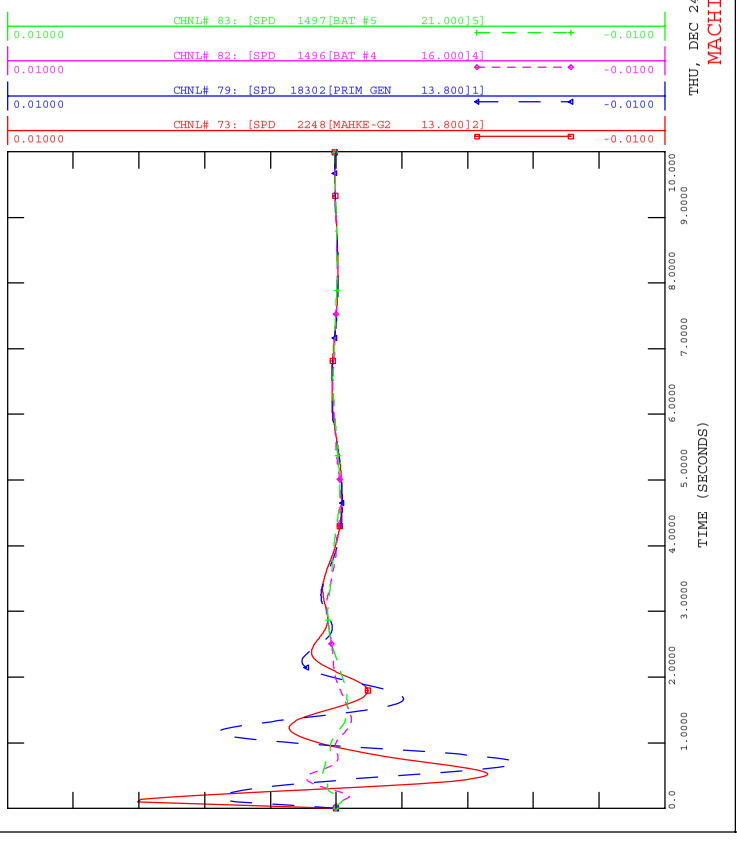


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

MACHINE SPEED

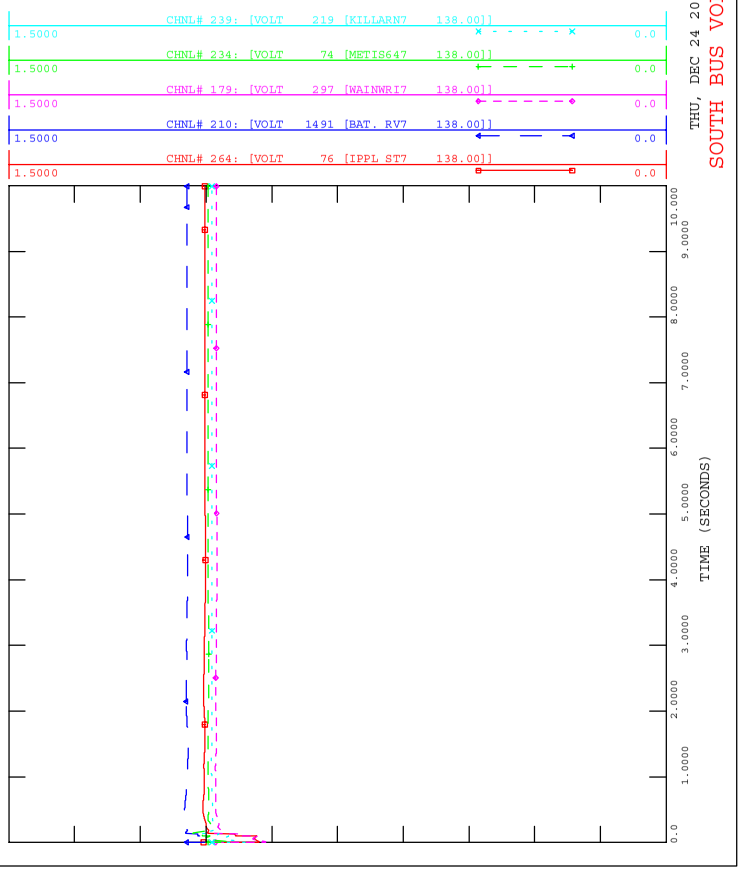


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

SOUTH BUS VOLTAGES



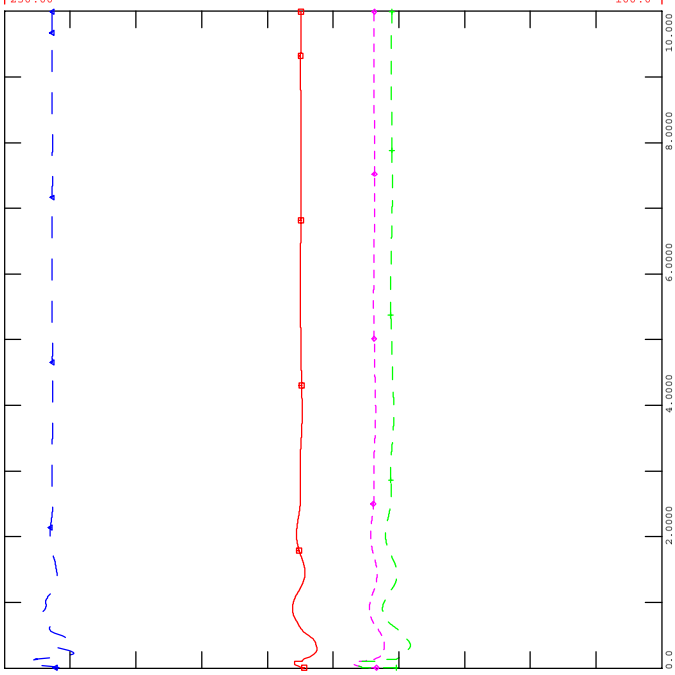
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

SOUTH LINES POWER FLOW

CHNL# 1181: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 895: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



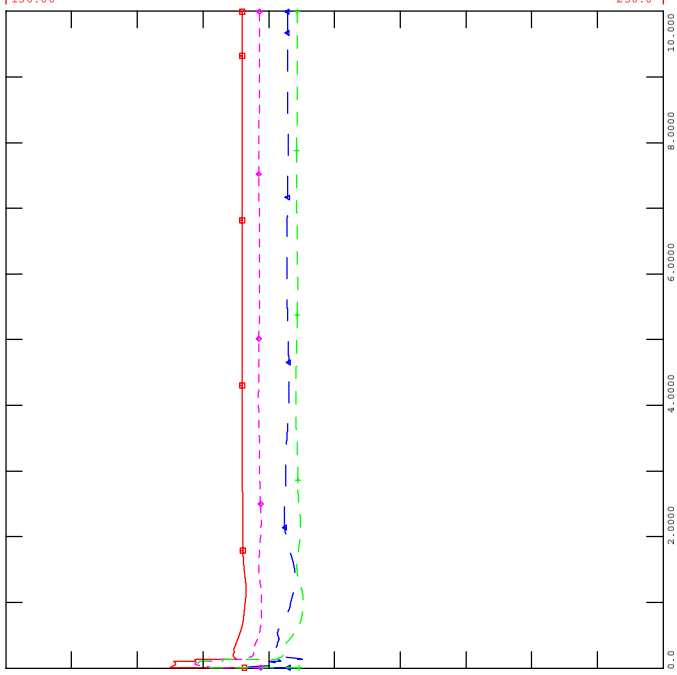
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

SOUTH LINES VAR FLOW

CHNL# 1182: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 896: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



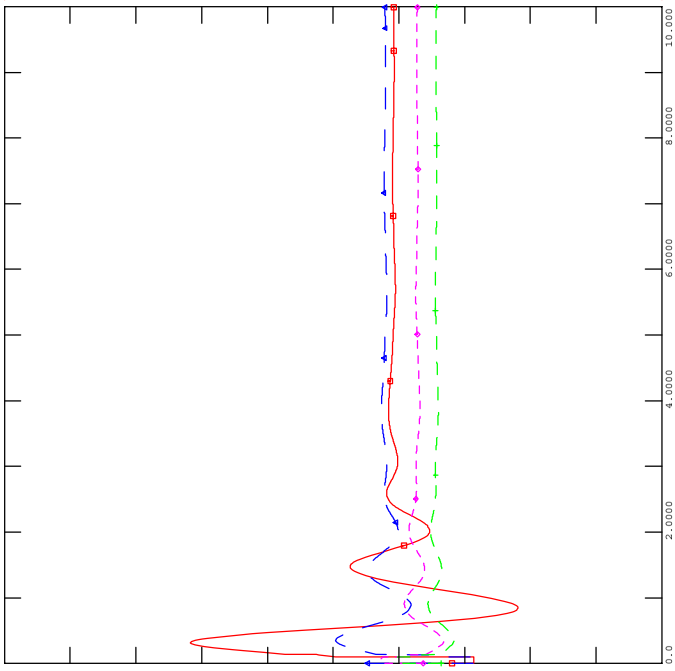
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

NORTH LINES POWER FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1117: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 589: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



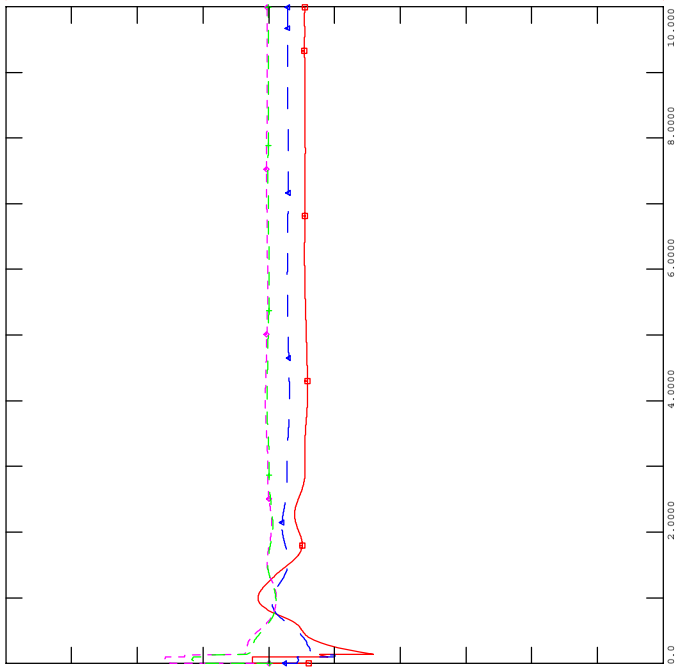
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B2fault.out

THU, DEC 24 2009 8:07

NORTH LINES VAR FLOW

CHNL# 342: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1118: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 590: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

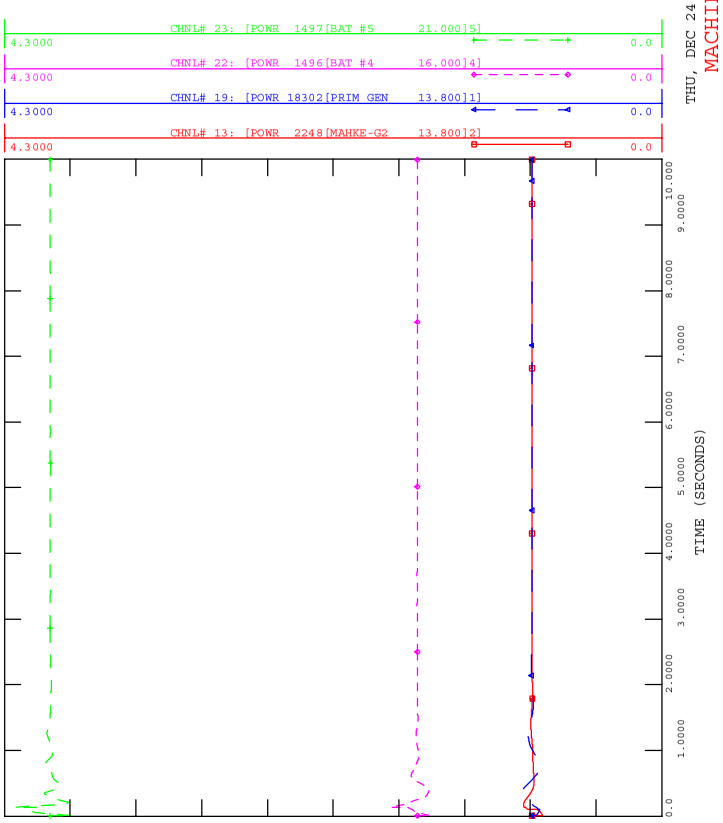


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

MACHINE POWER

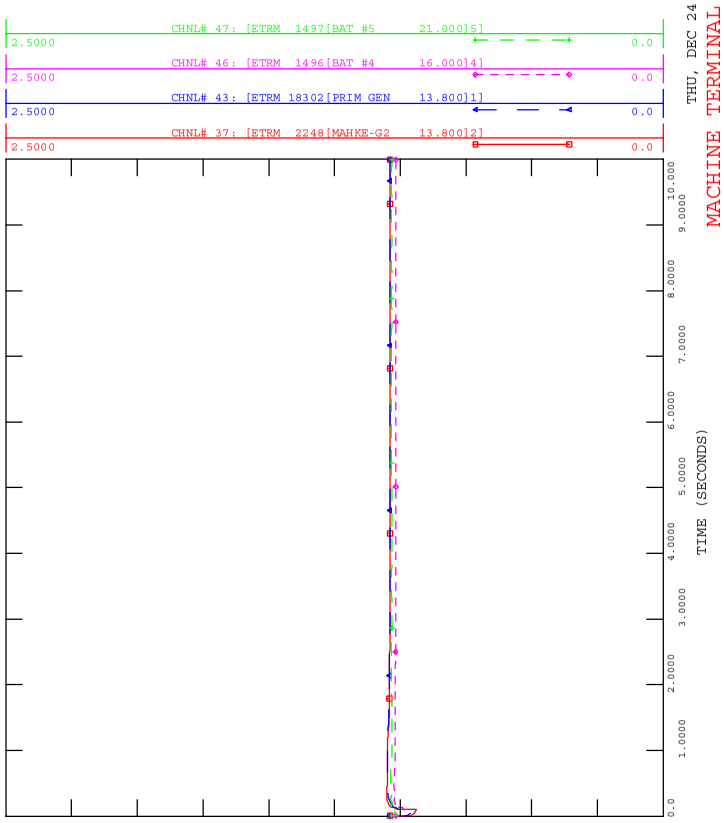


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

MACHINE TERMINAL VOLTAGE

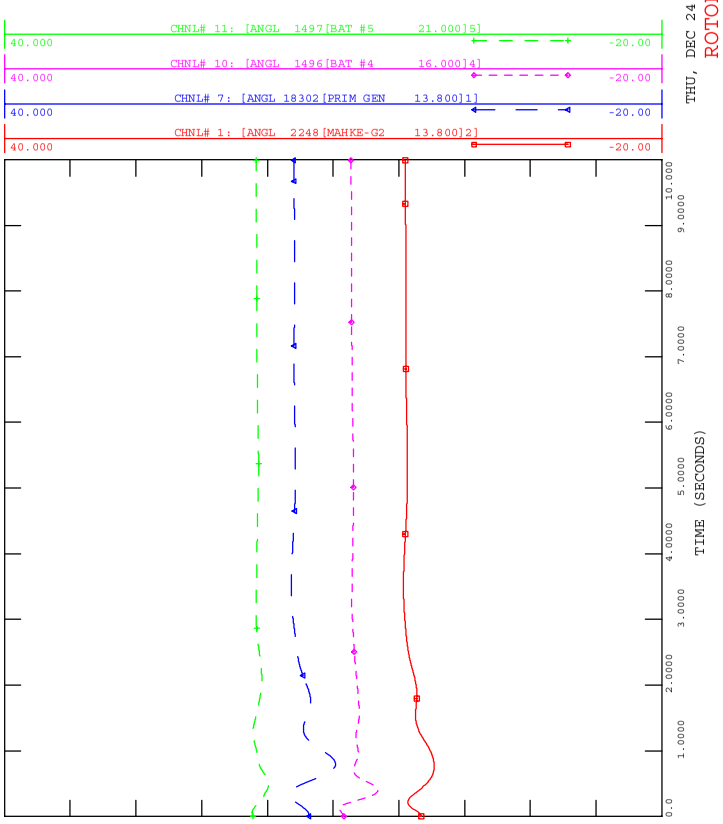


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

ROTOR ANGLES

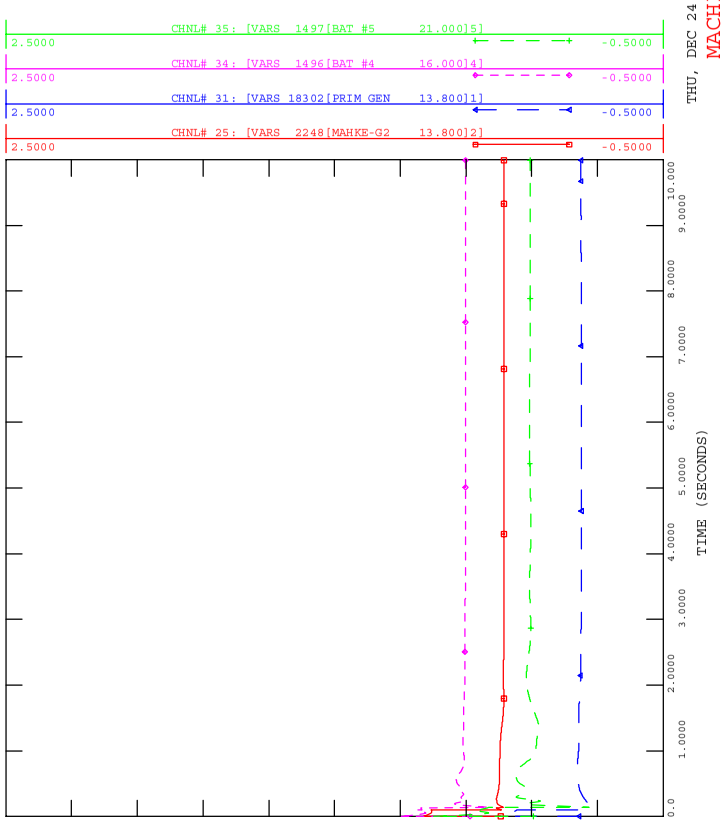


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

MACHINE VARS

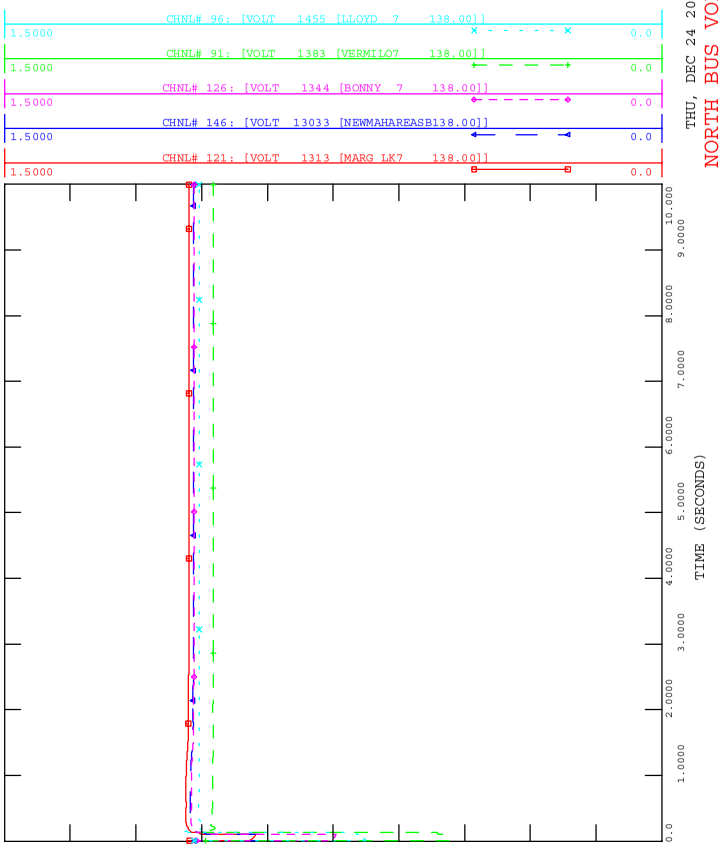


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

NORTH BUS VOLTAGES

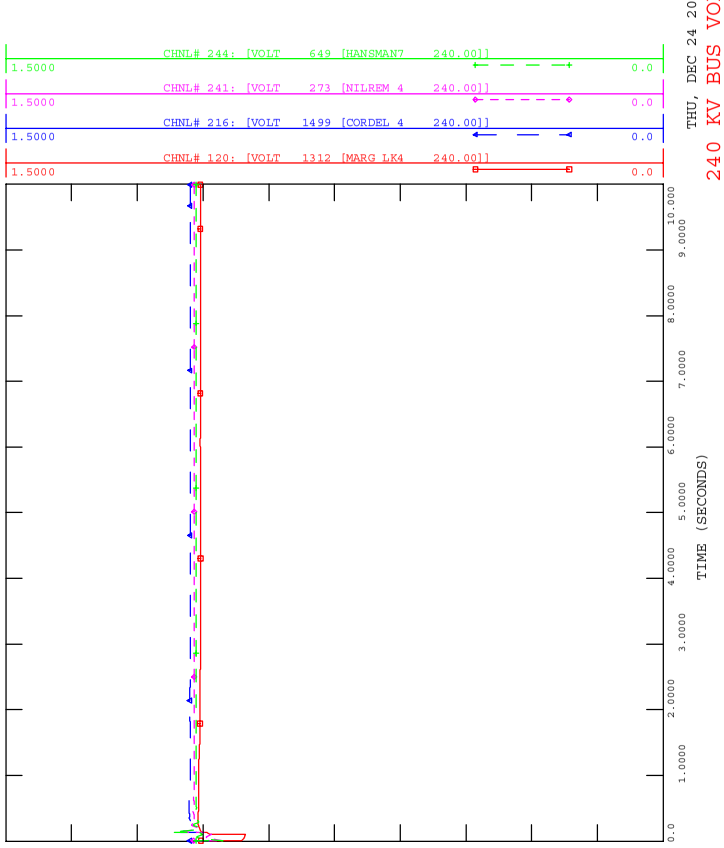


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

240 KV BUS VOLTAGES

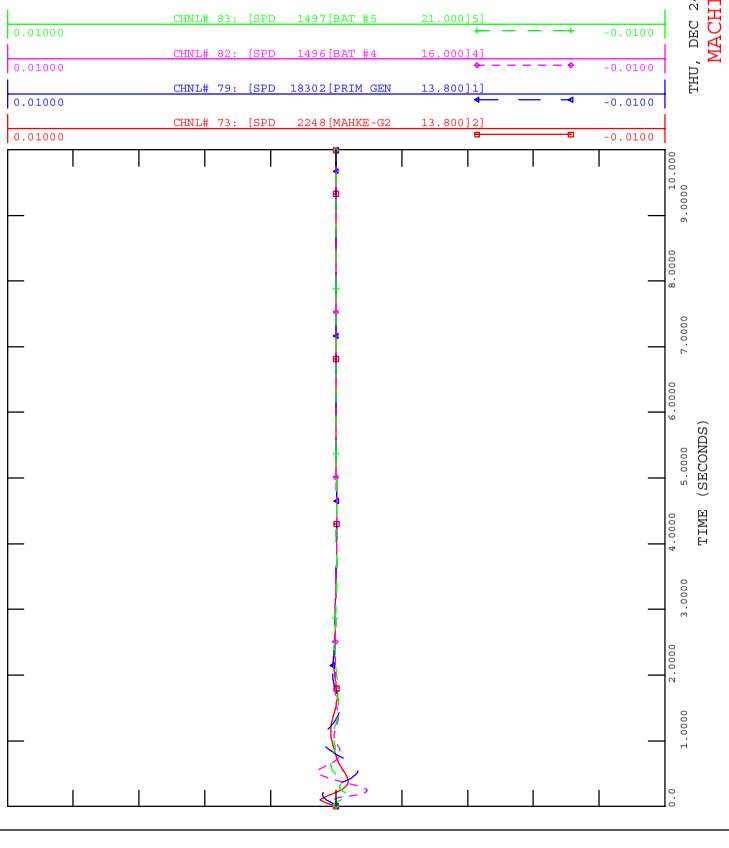


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

MACHINE SPEED

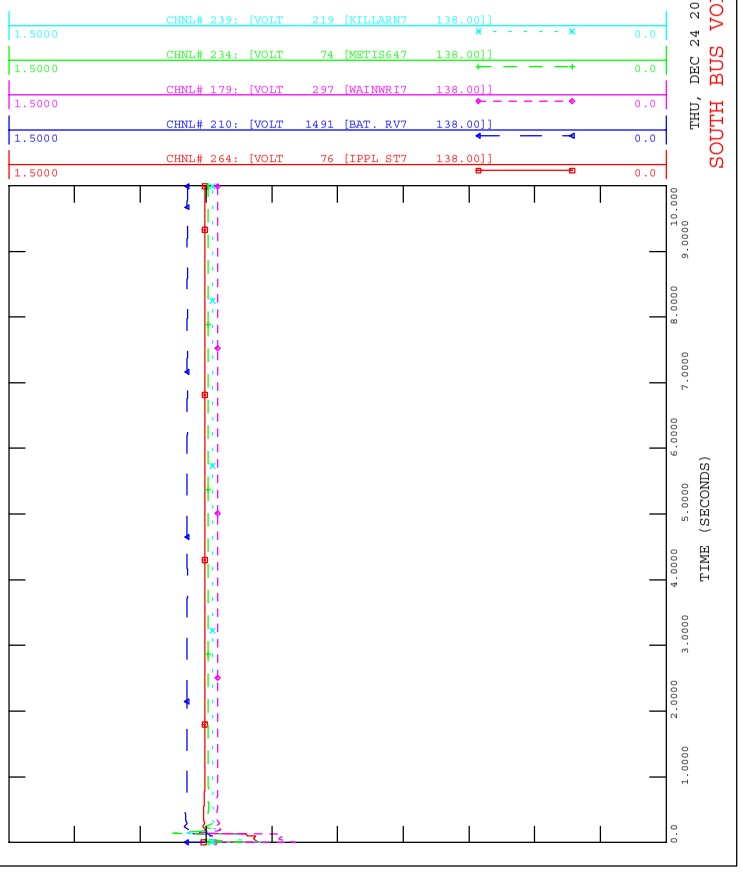


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

SOUTH BUS VOLTAGES



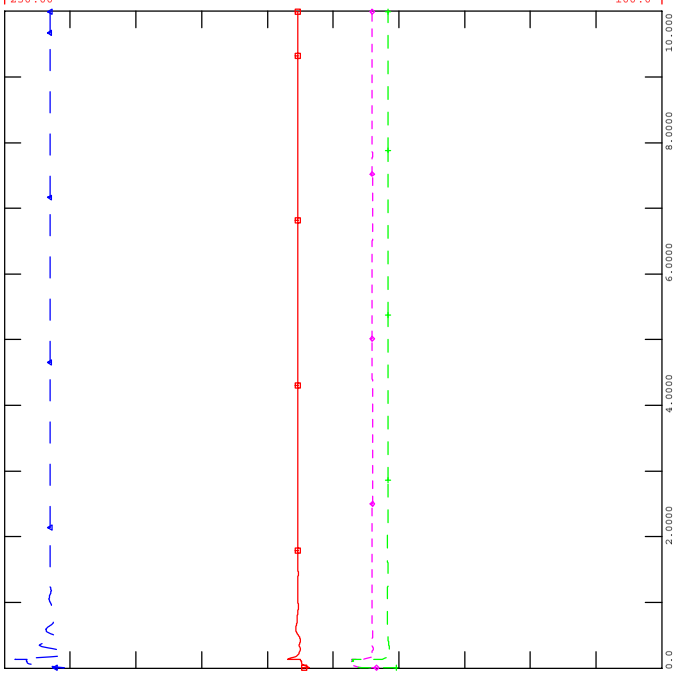
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

SOUTH LINES POWER FLOW

CHNL# 1181: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 895: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



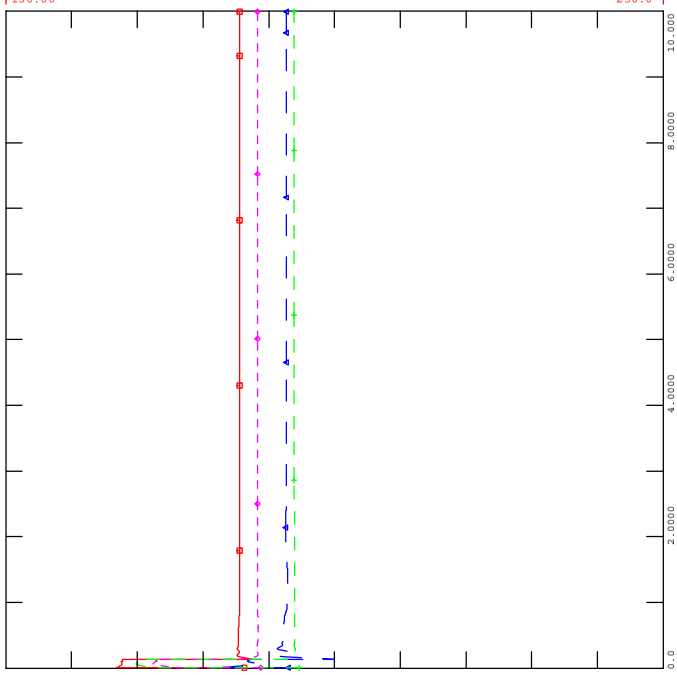
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

SOUTH LINES VAR FLOW

CHNL# 1182: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 896: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



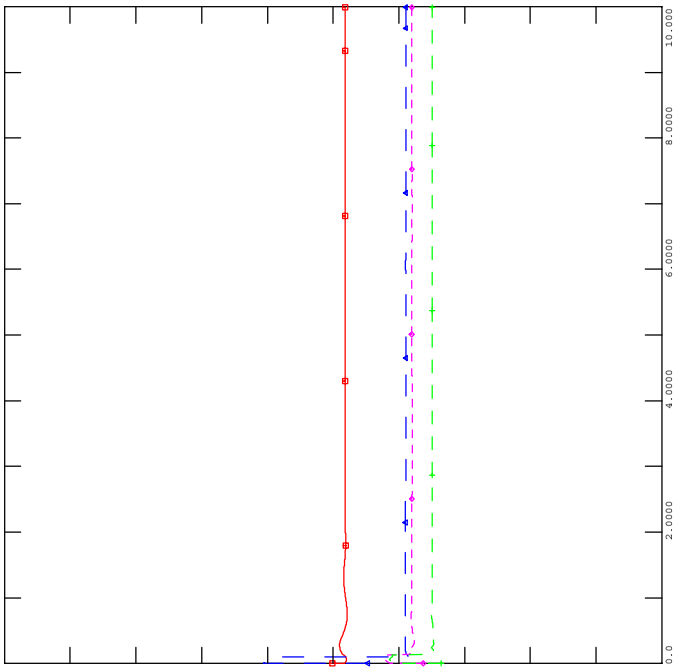
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

NORTH LINES POWER FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1117: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 591: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



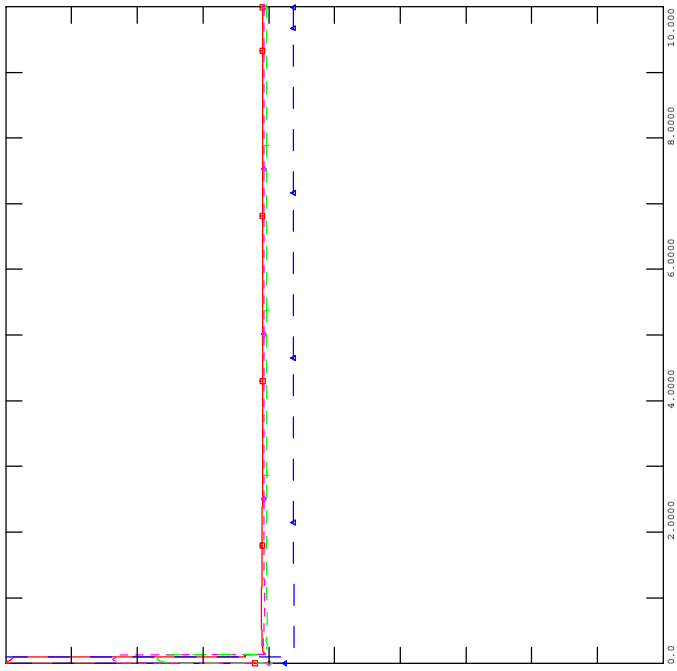
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B3fault.out

THU, DEC 24 2009 8:07

NORTH LINES VAR FLOW

CHNL# 342: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1118: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 592: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

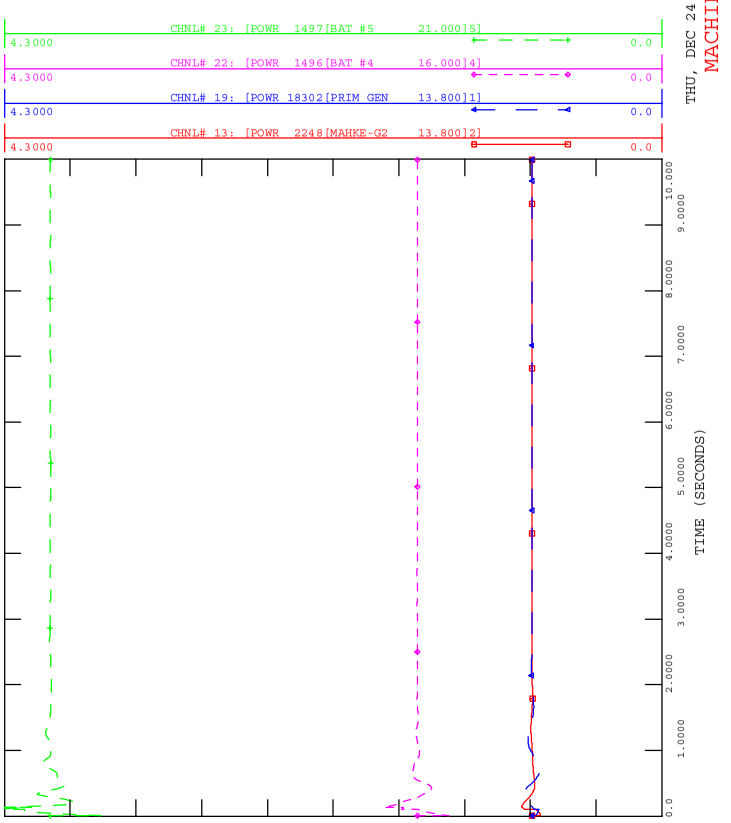


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

MACHINE POWER

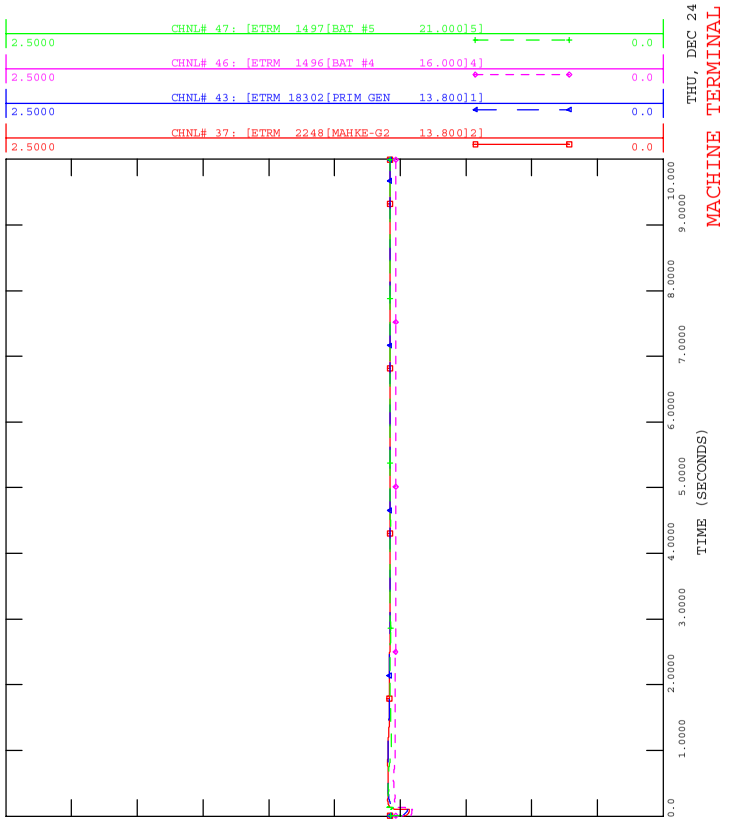


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

MACHINE TERMINAL VOLTAGE

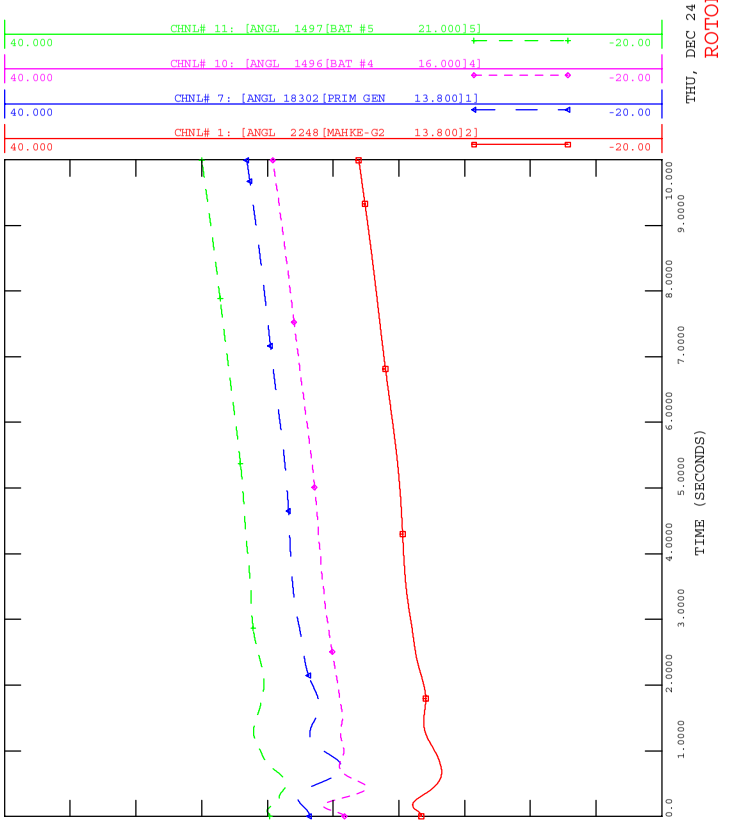


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

ROTOR ANGLES

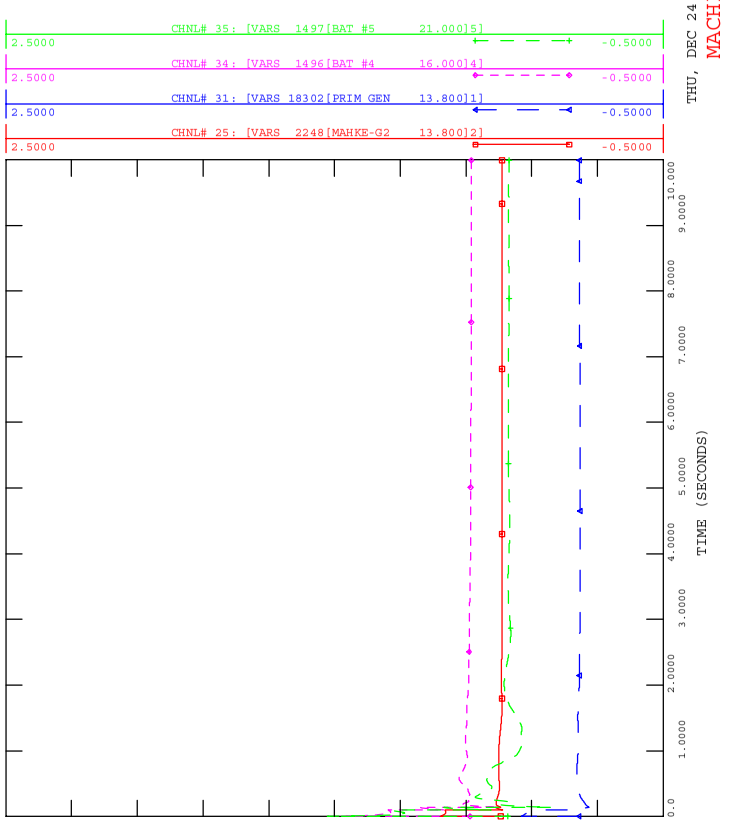


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

MACHINE VARS

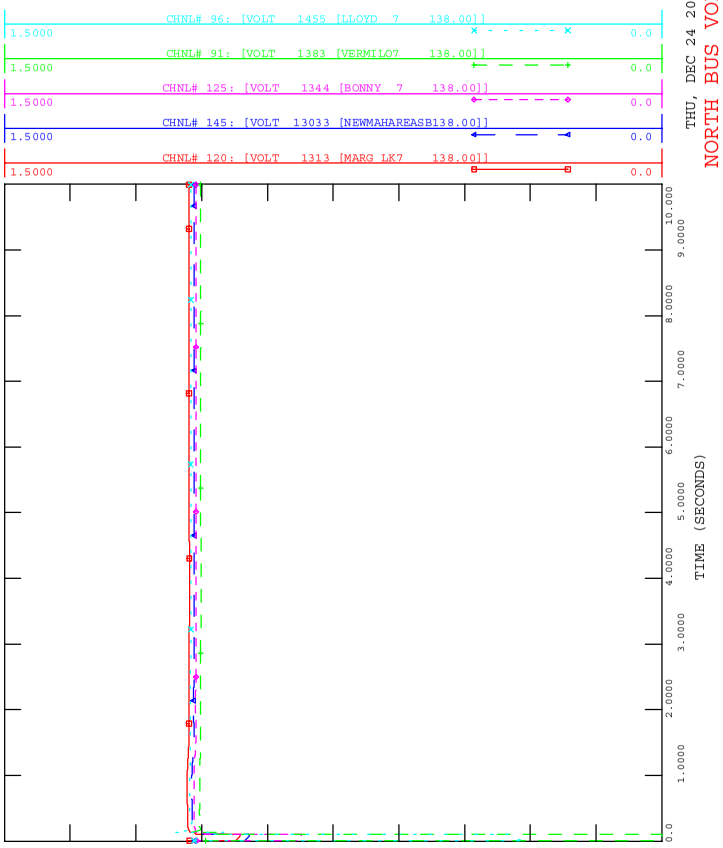


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

NORTH BUS VOLTAGES

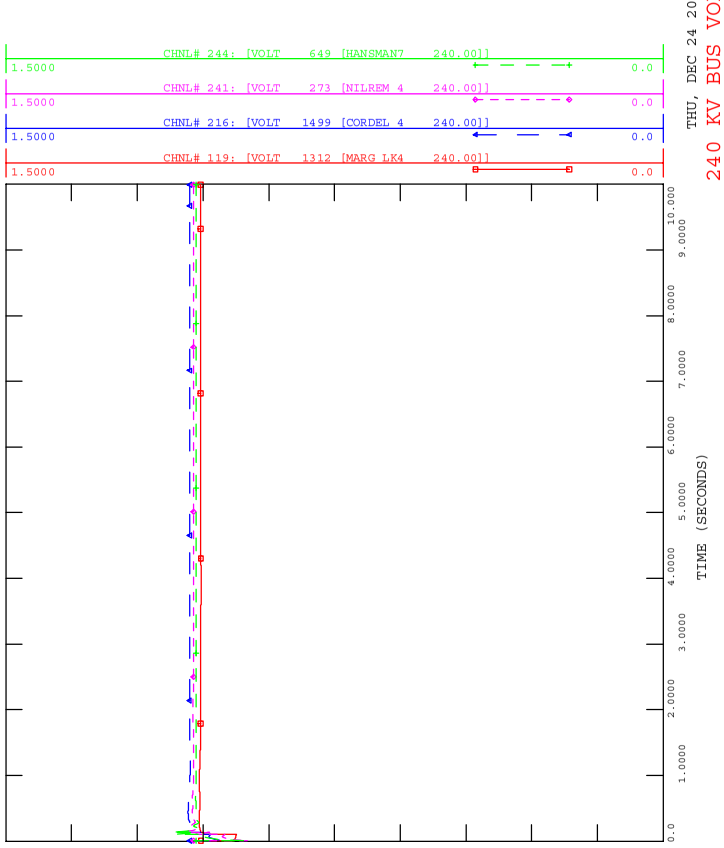


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

240 KV BUS VOLTAGES

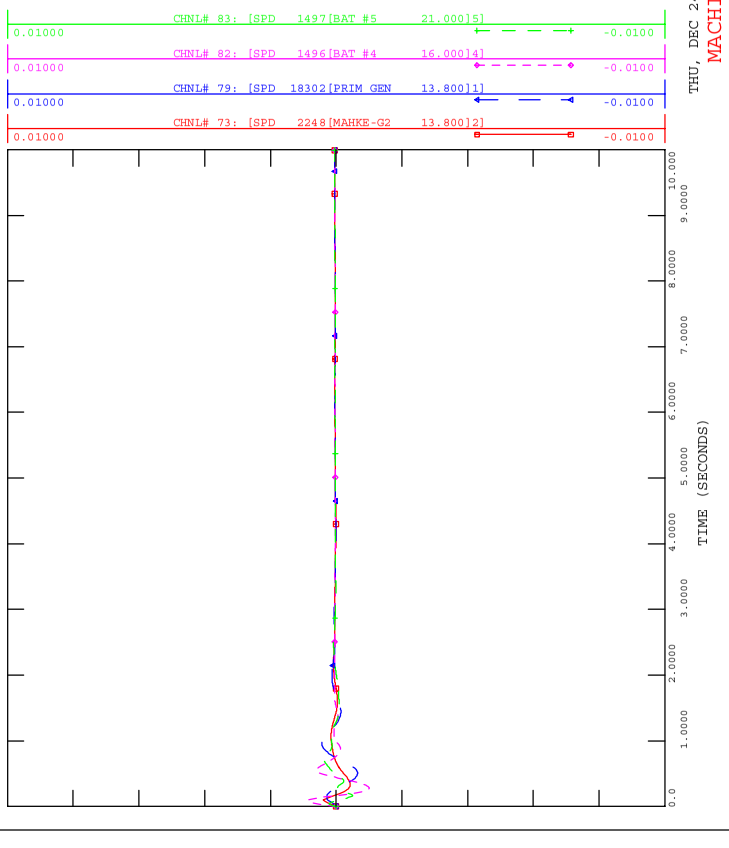


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

MACHINE SPEED

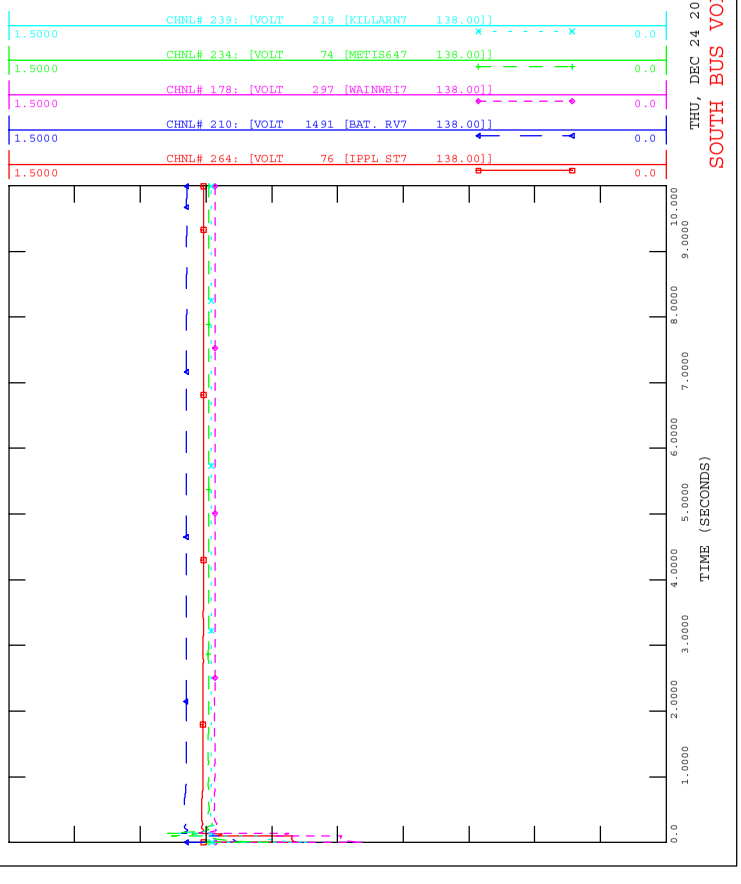


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

SOUTH BUS VOLTAGES

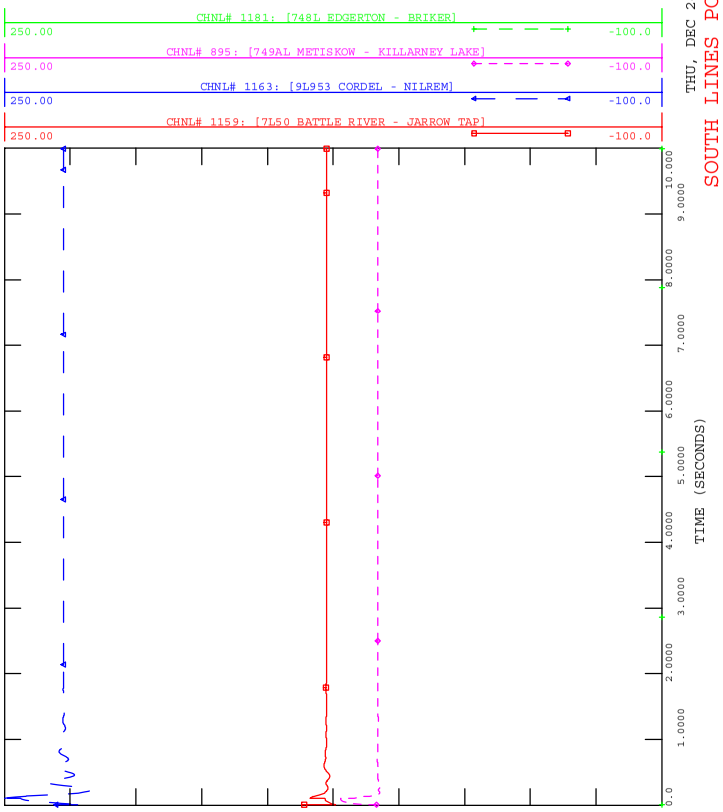


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

SOUTH LINES POWER FLOW

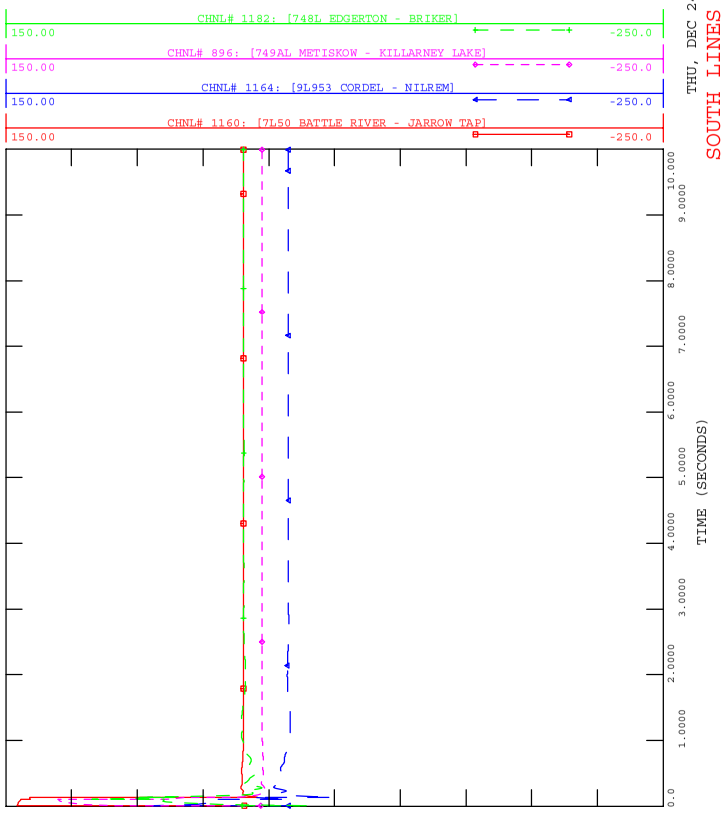


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

SOUTH LINES VAR FLOW

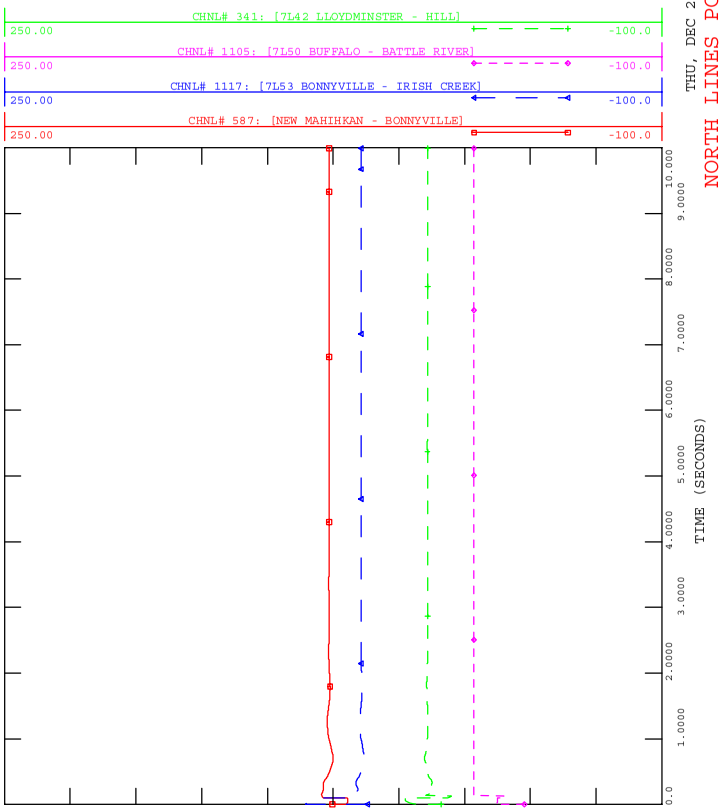


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

NORTH LINES POWER FLOW

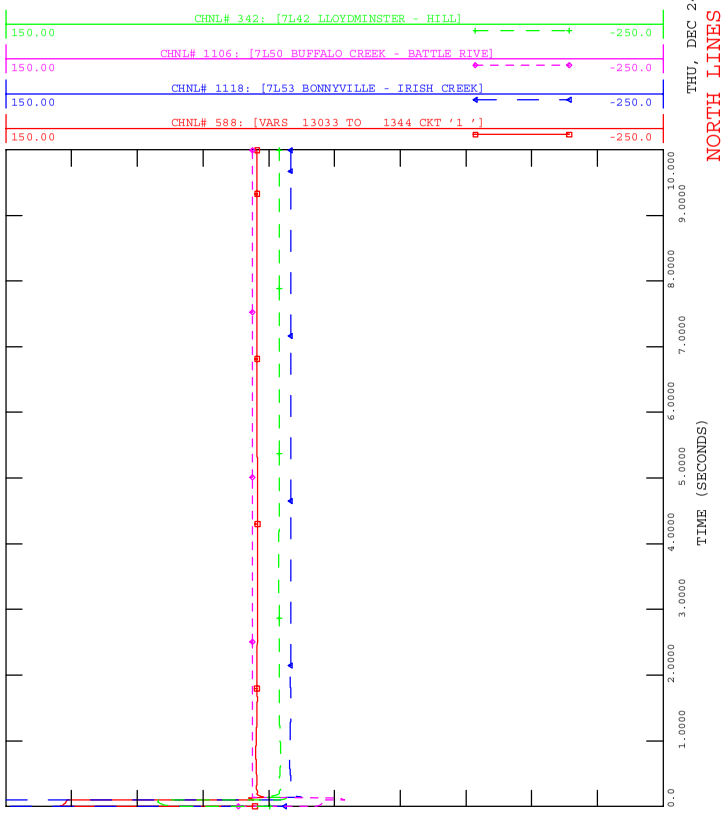


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

NORTH LINES VAR FLOW

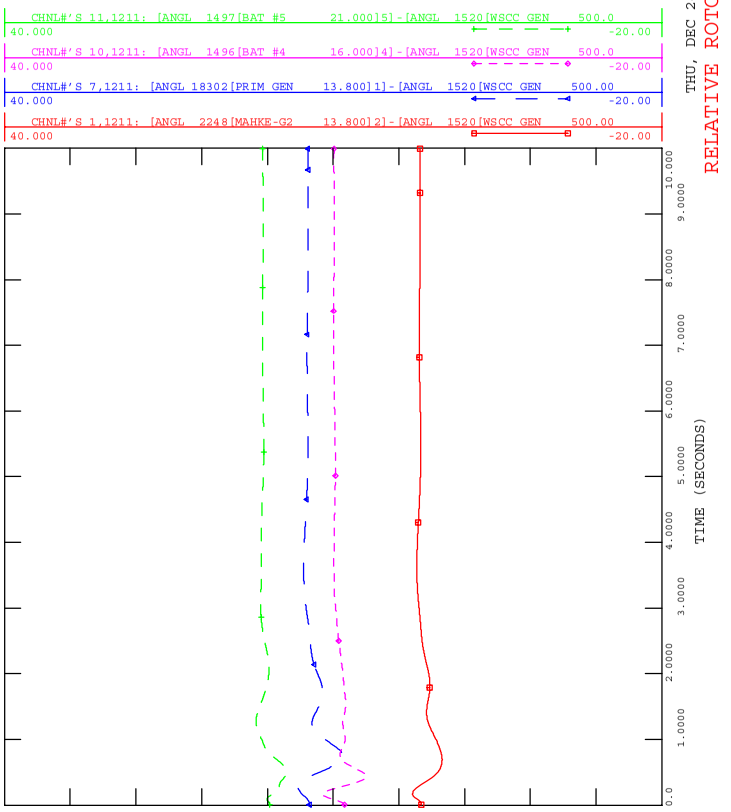


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:08

RELATIVE ROTOR ANGLES

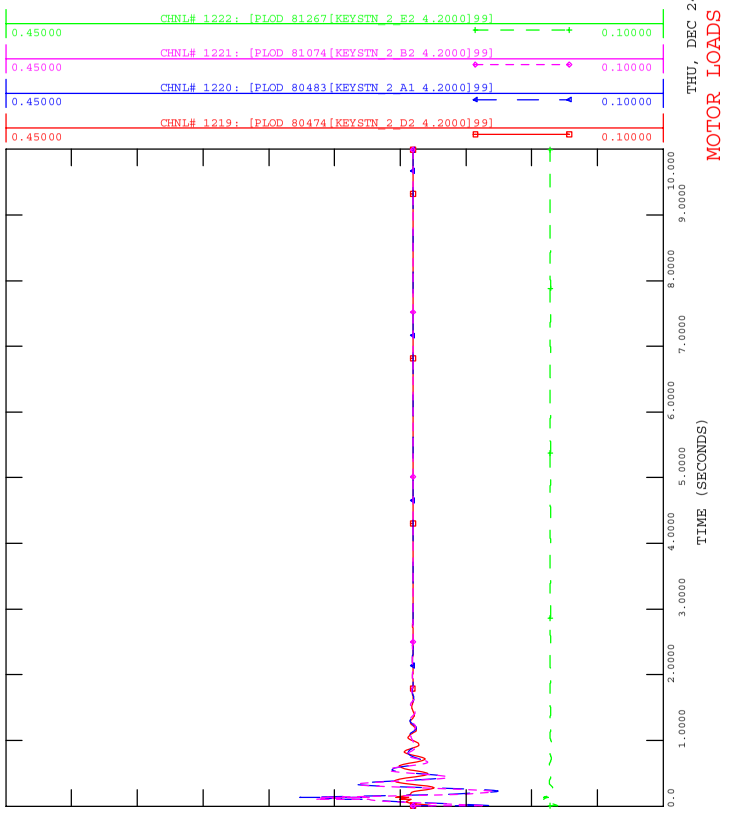


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP II

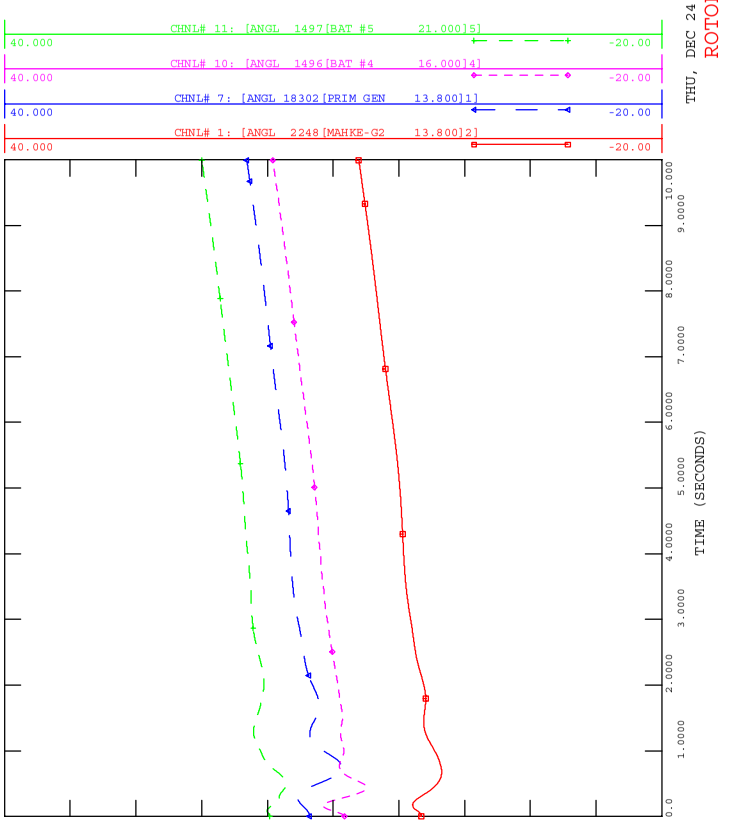


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:07

ROTOR ANGLES

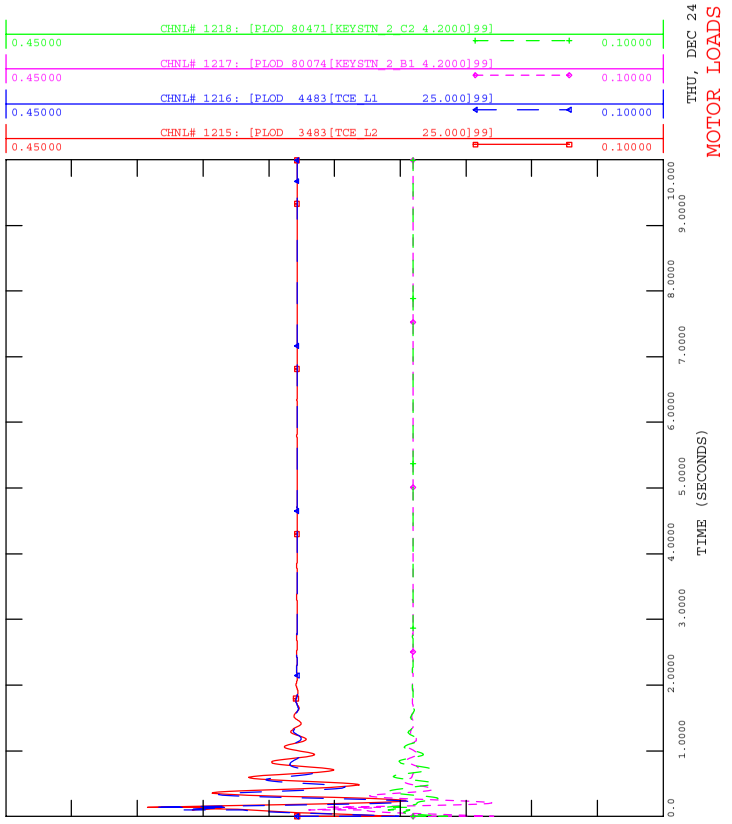


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP I

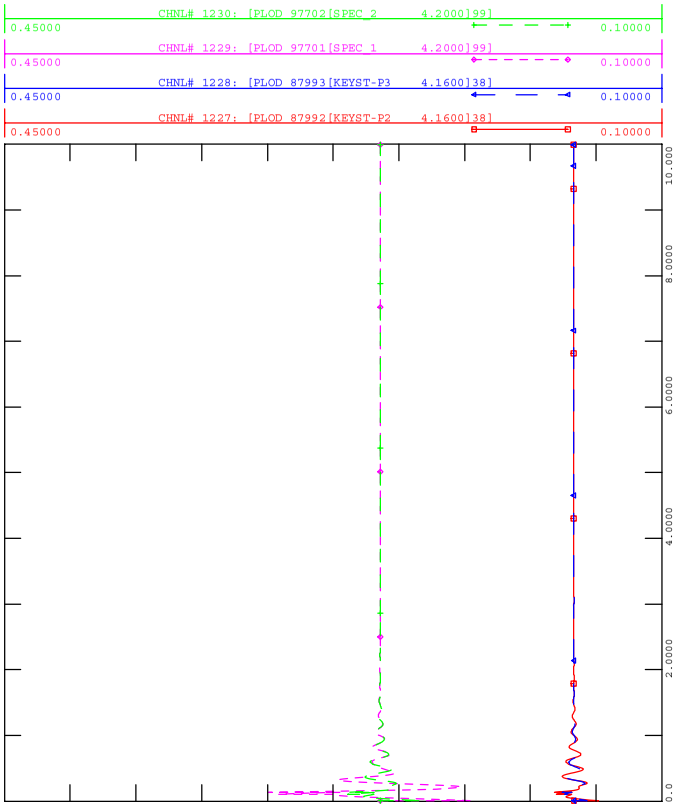


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP IV

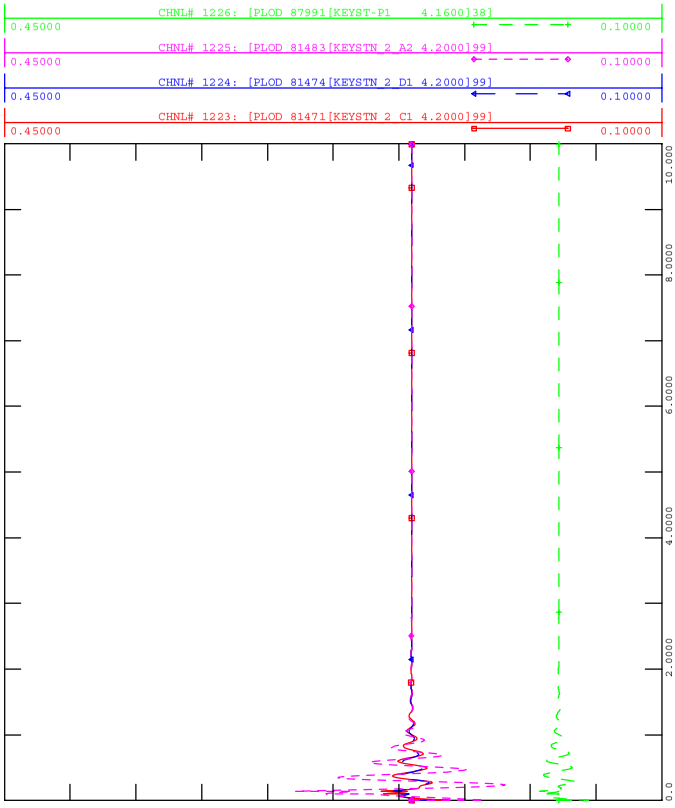


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B4fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP III

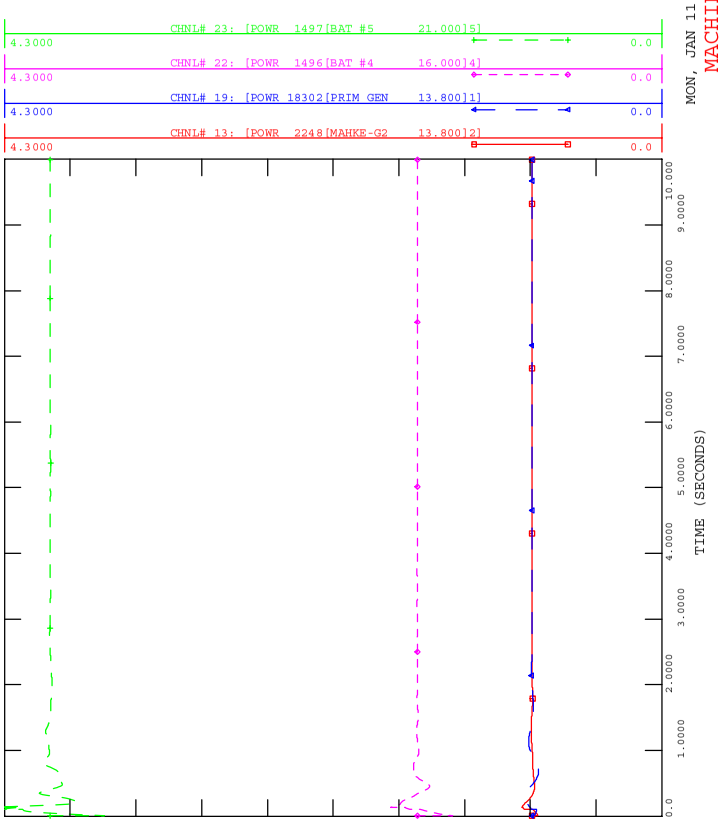


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:09

MACHINE POWER

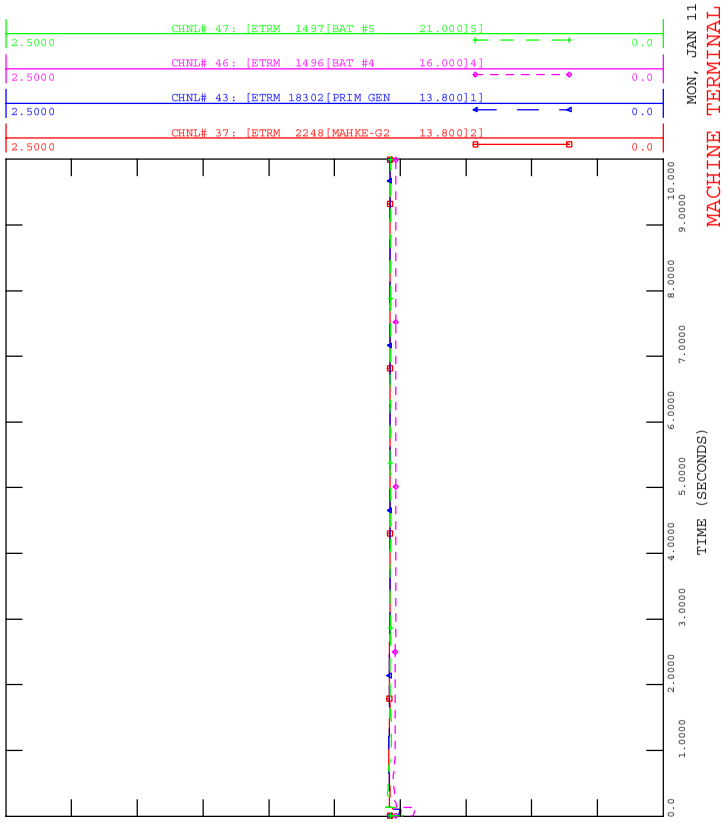


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:09

MACHINE TERMINAL VOLTAGE

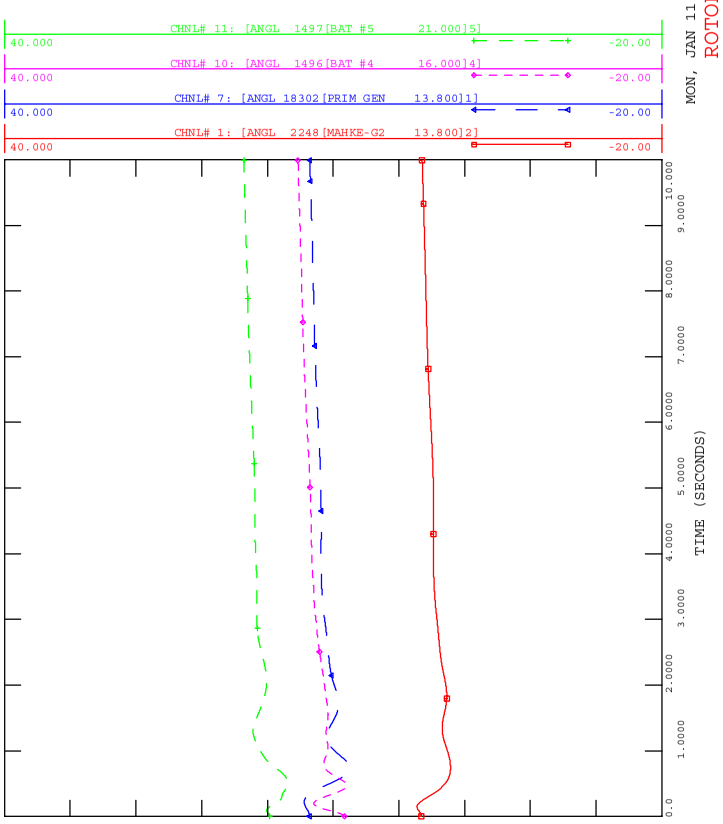


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:09

ROTOR ANGLES

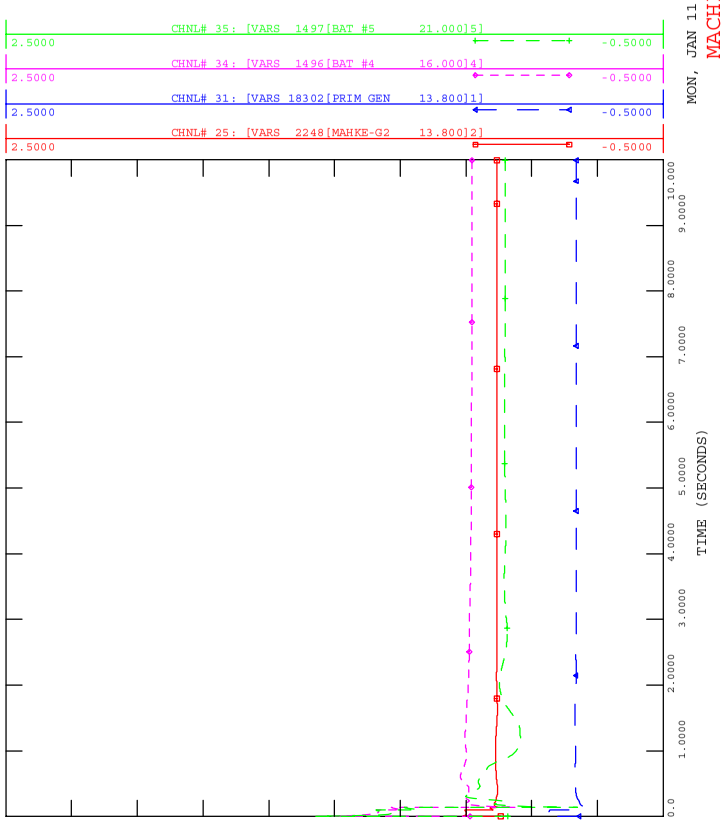


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:09

MACHINE VARS

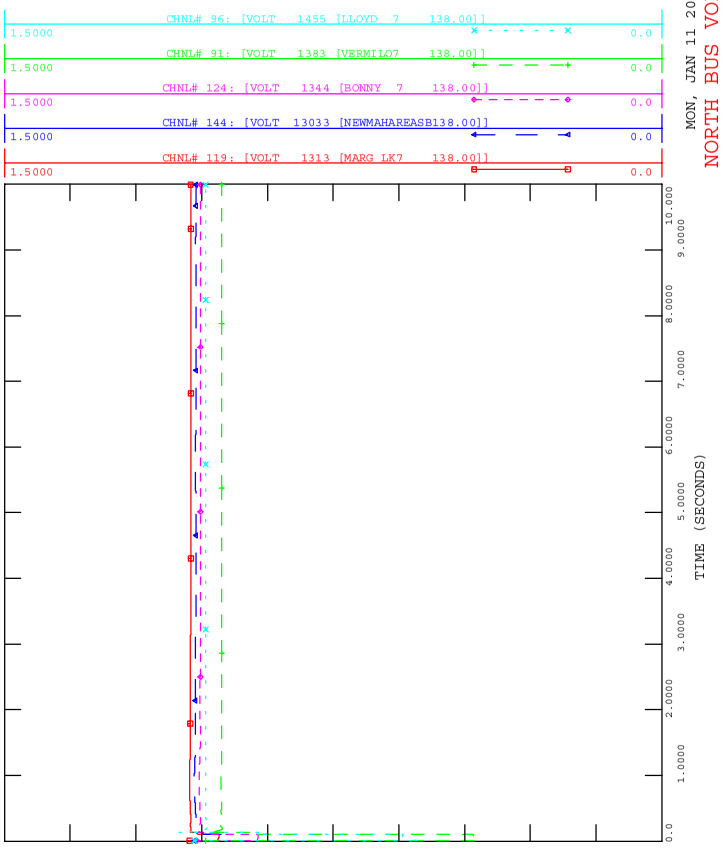


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

NORTH BUS VOLTAGES

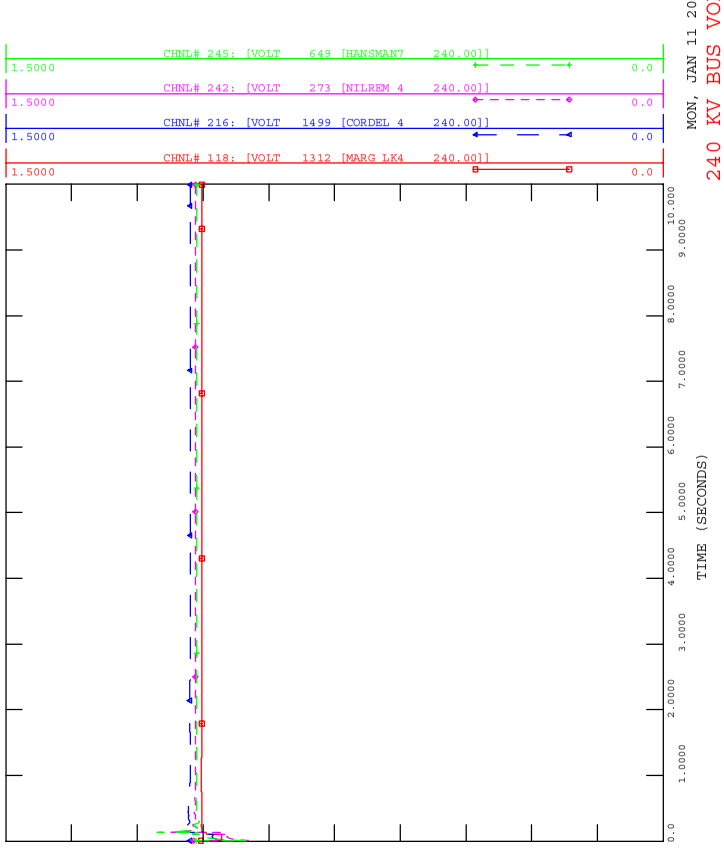


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

240 KV BUS VOLTAGES

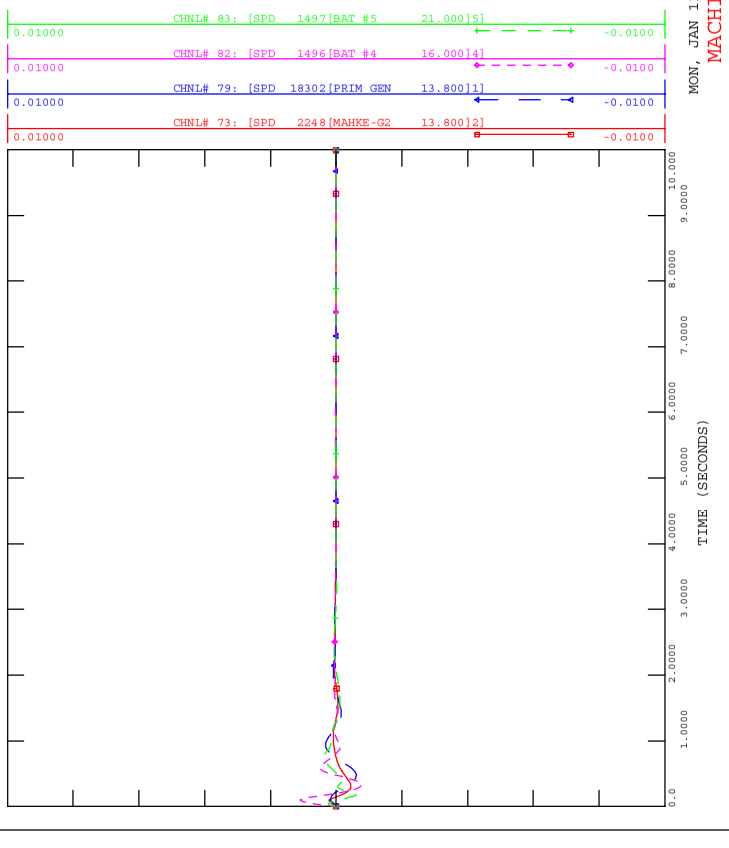


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:09

MACHINE SPEED

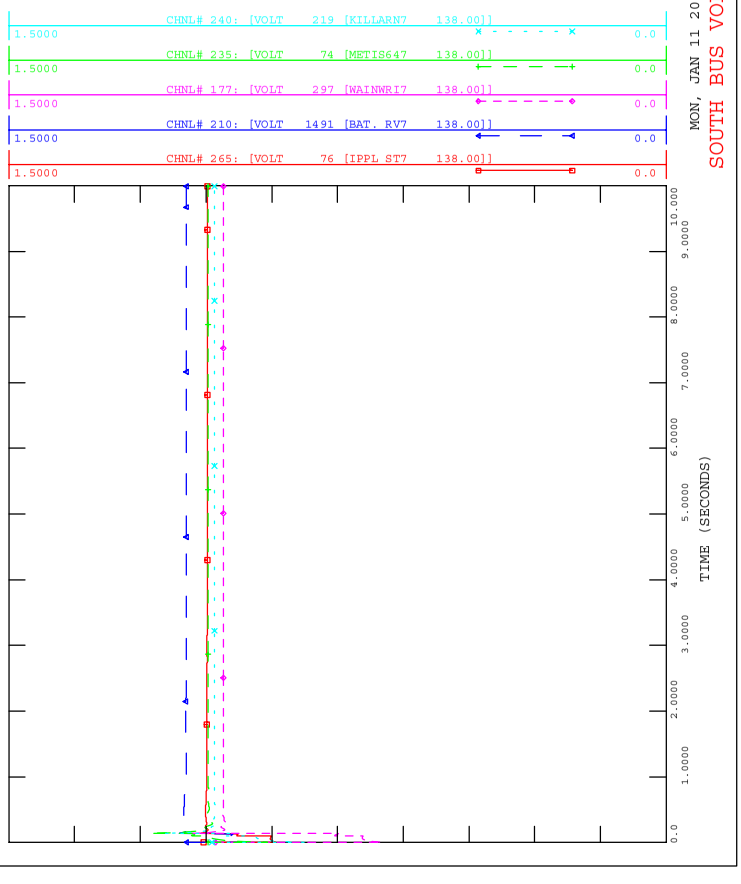


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

SOUTH BUS VOLTAGES

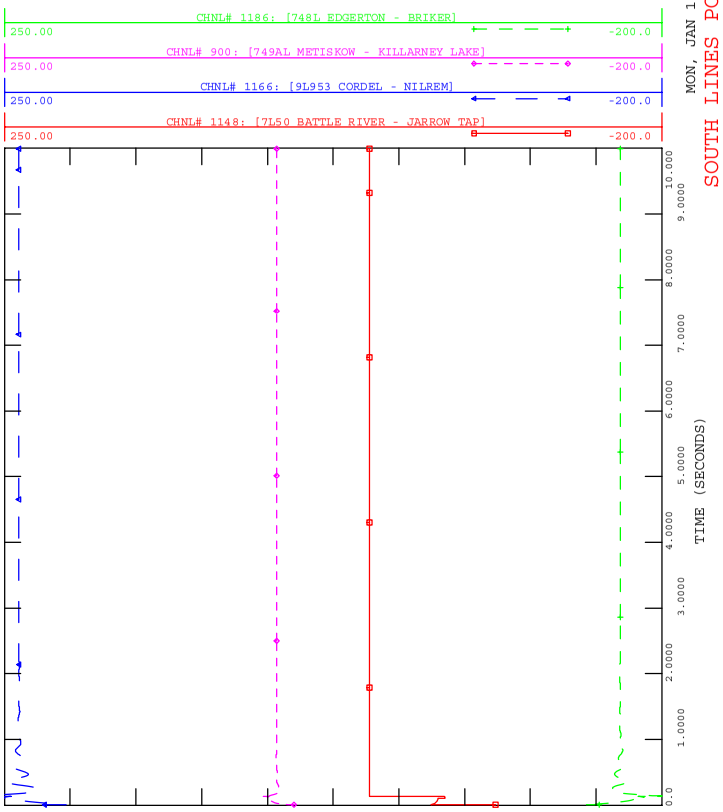


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

SOUTH LINES POWER FLOW

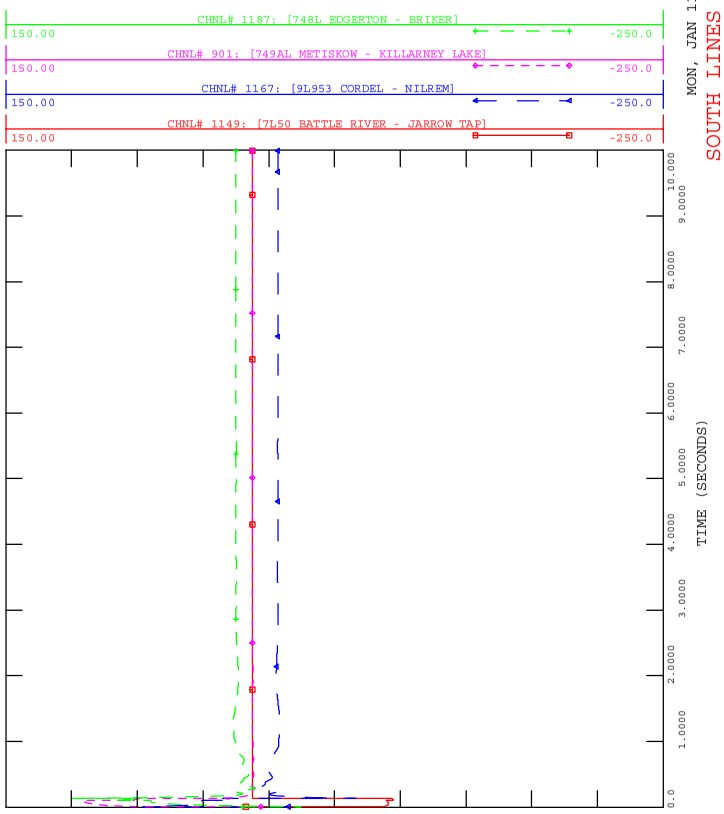


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

SOUTH LINES VAR FLOW

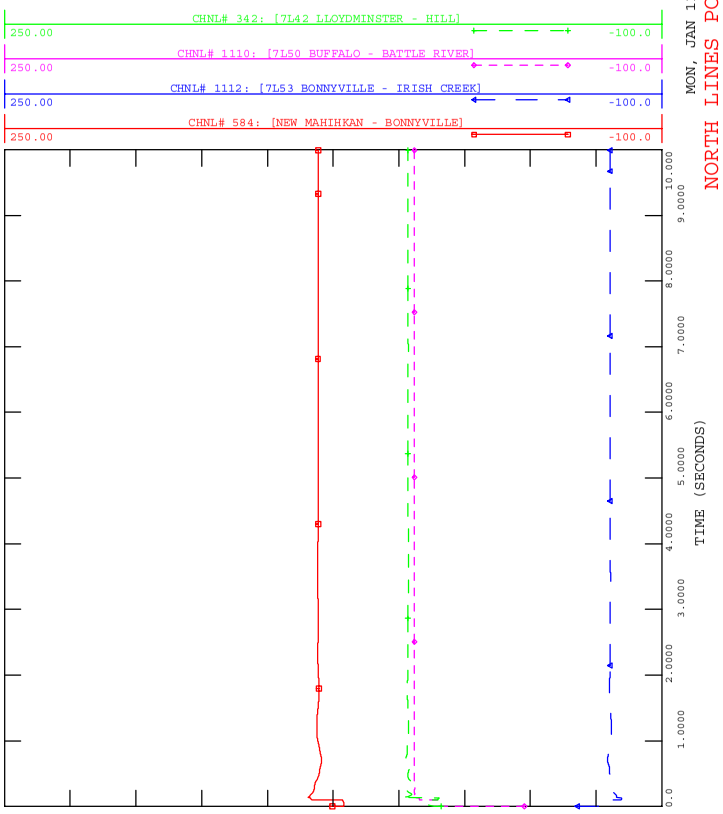


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

NORTH LINES POWER FLOW

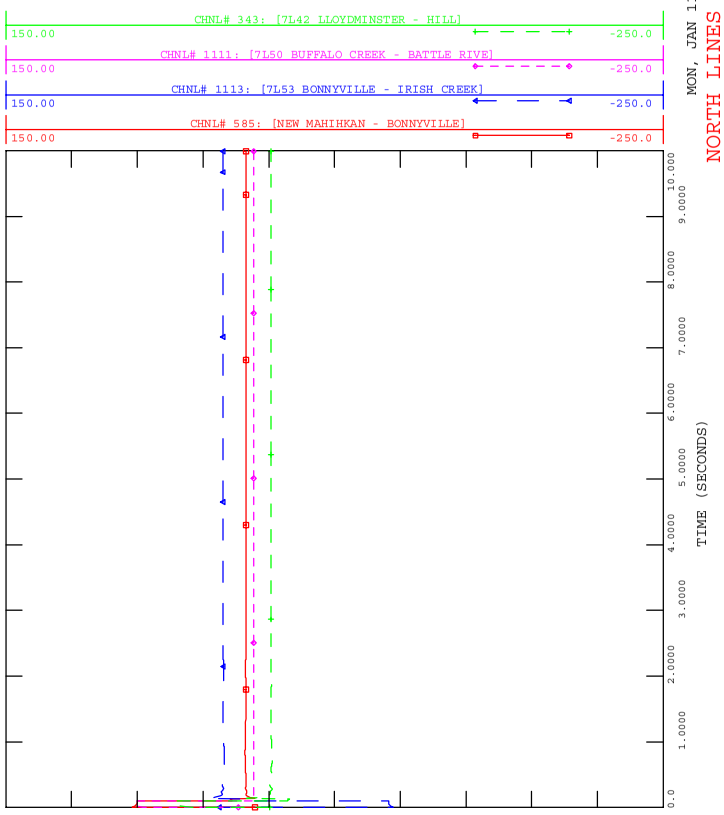


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

NORTH LINES VAR FLOW

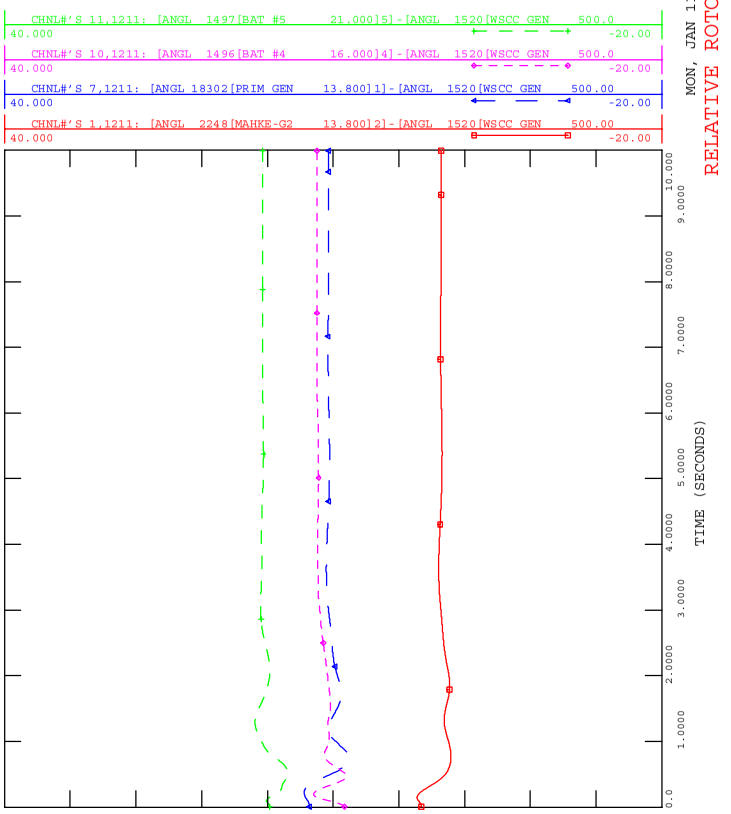


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

RELATIVE ROTOR ANGLES

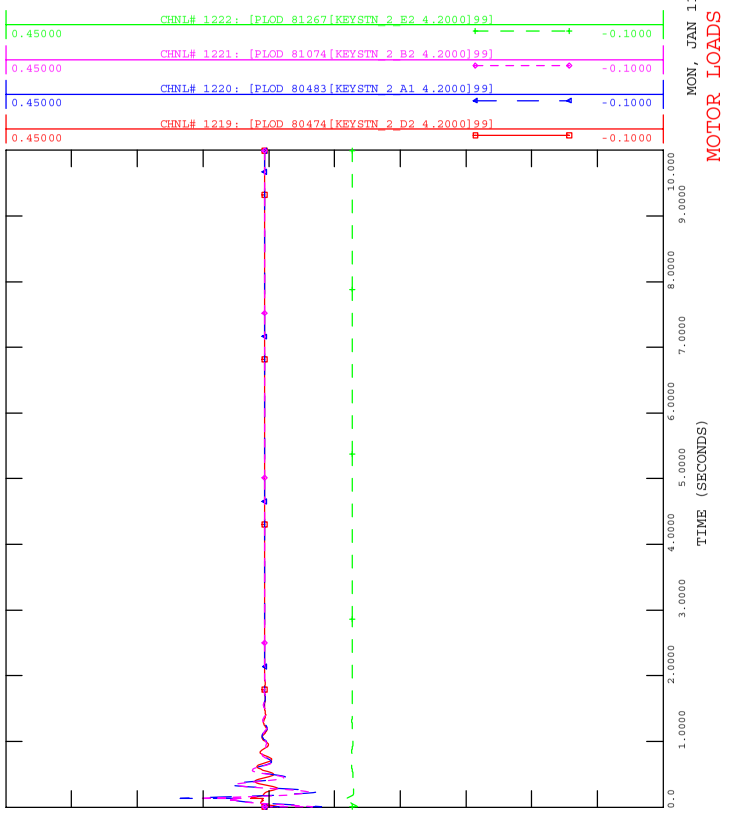


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

MOTOR LOADS GROUP II

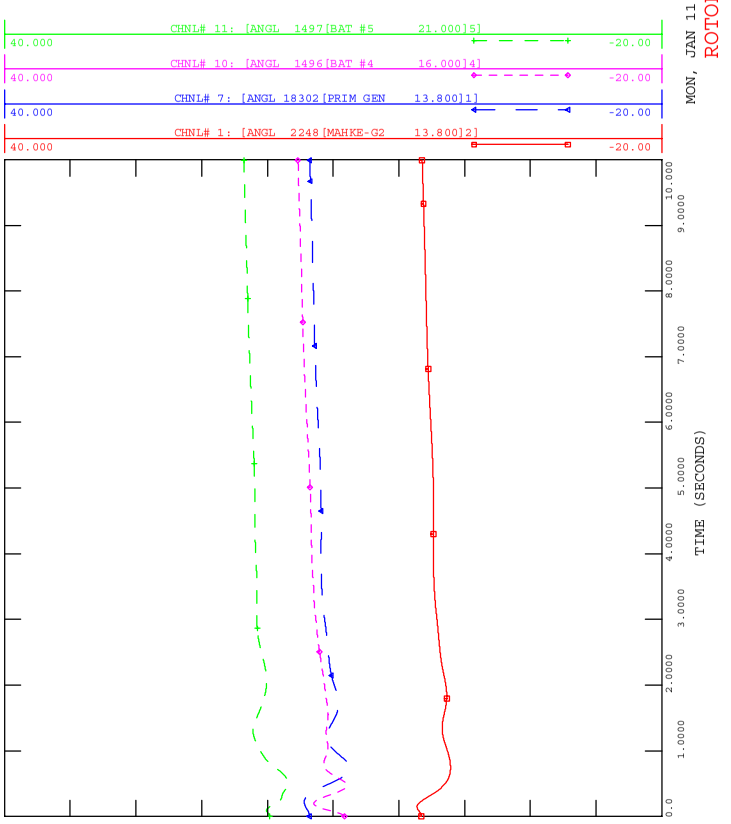


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

ROTOR ANGLES

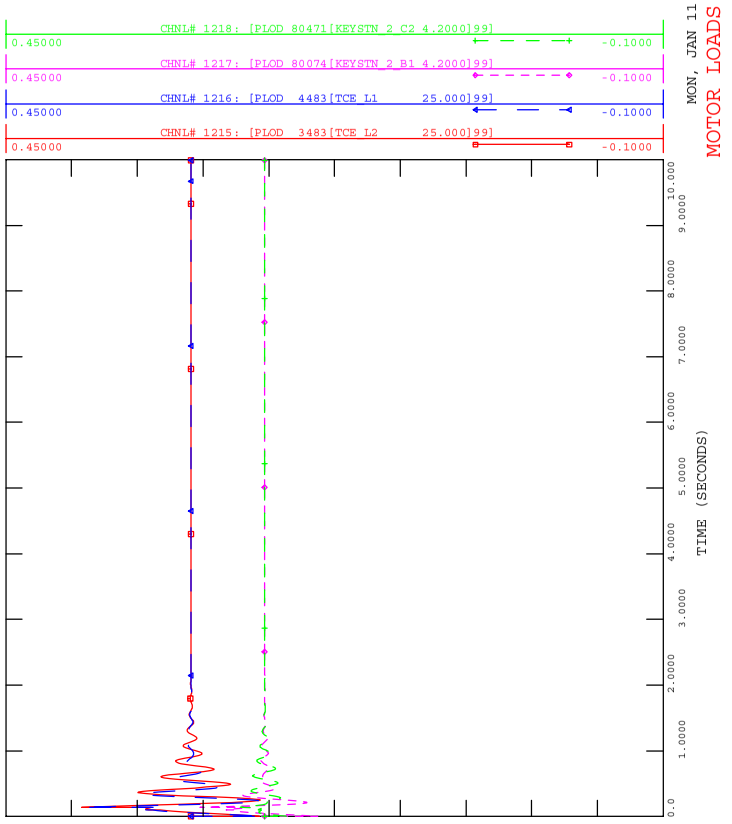


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

MOTOR LOADS GROUP I

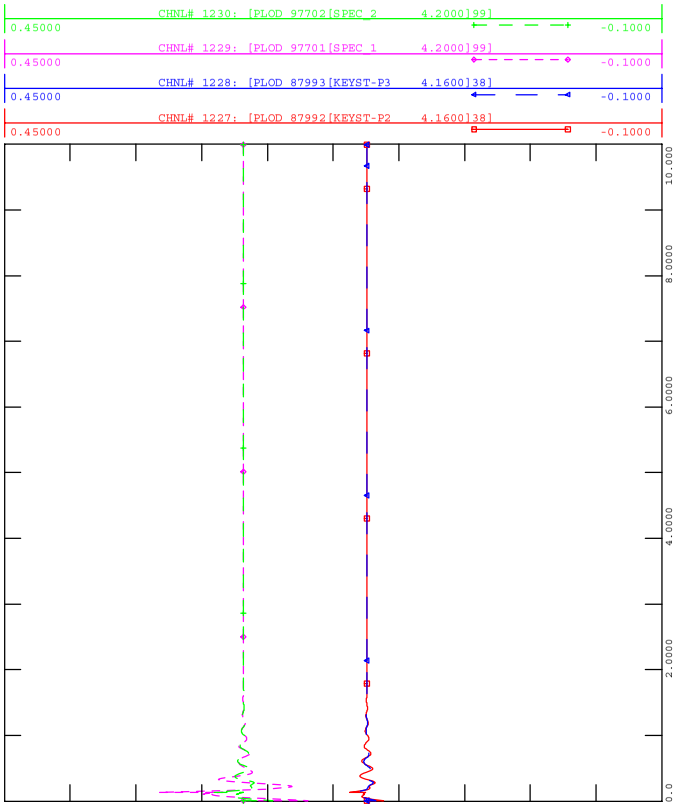


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

MOTOR LOADS GROUP IV

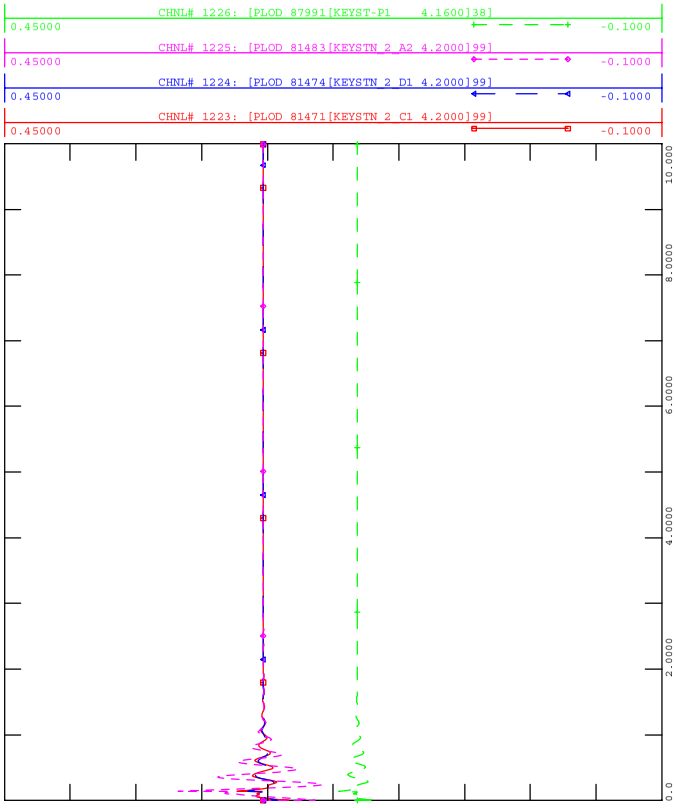


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B5fault.out

MON, JAN 11 2010 9:10

MOTOR LOADS GROUP III

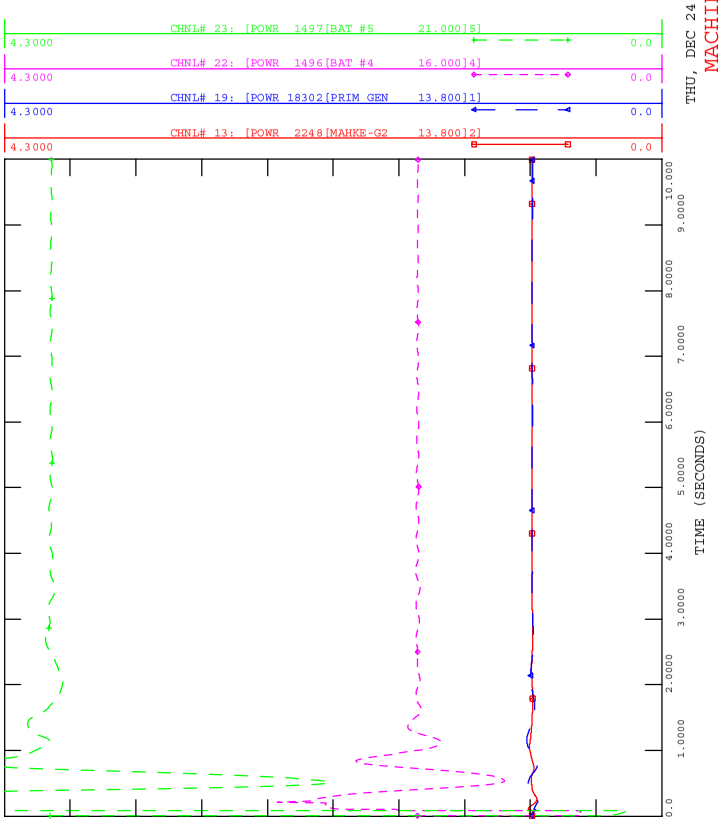


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MACHINE POWER

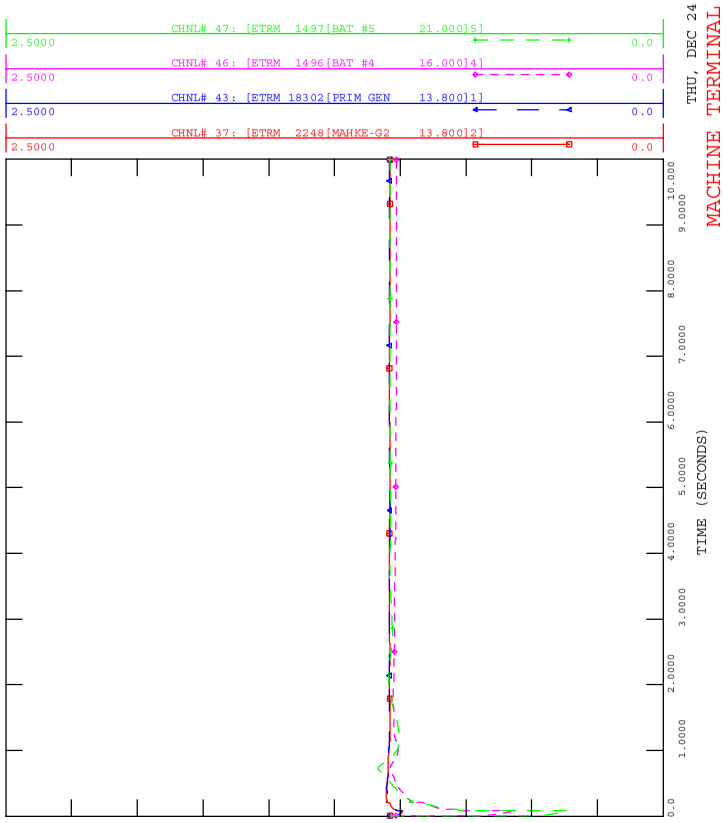


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MACHINE TERMINAL VOLTAGE

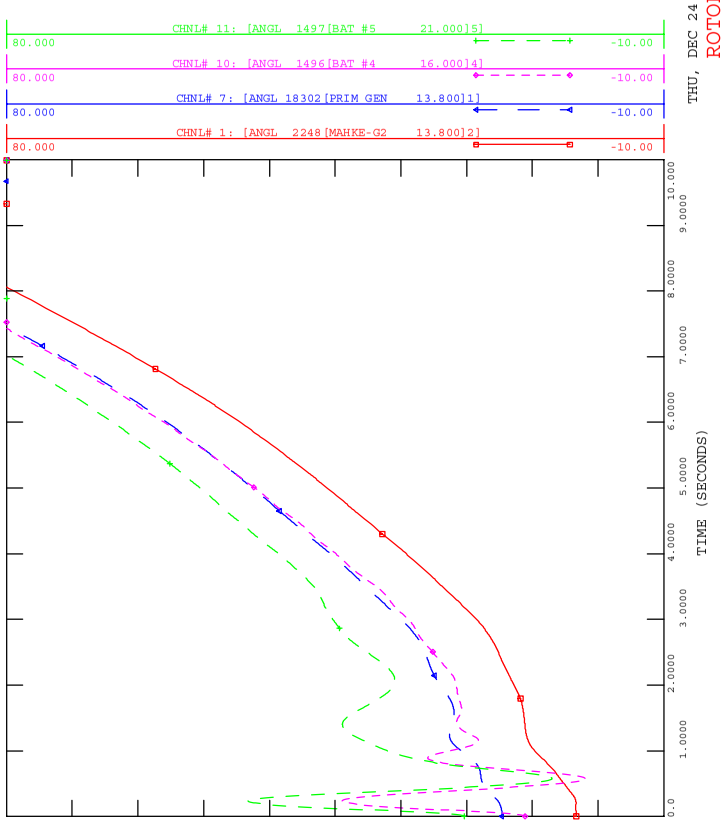


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

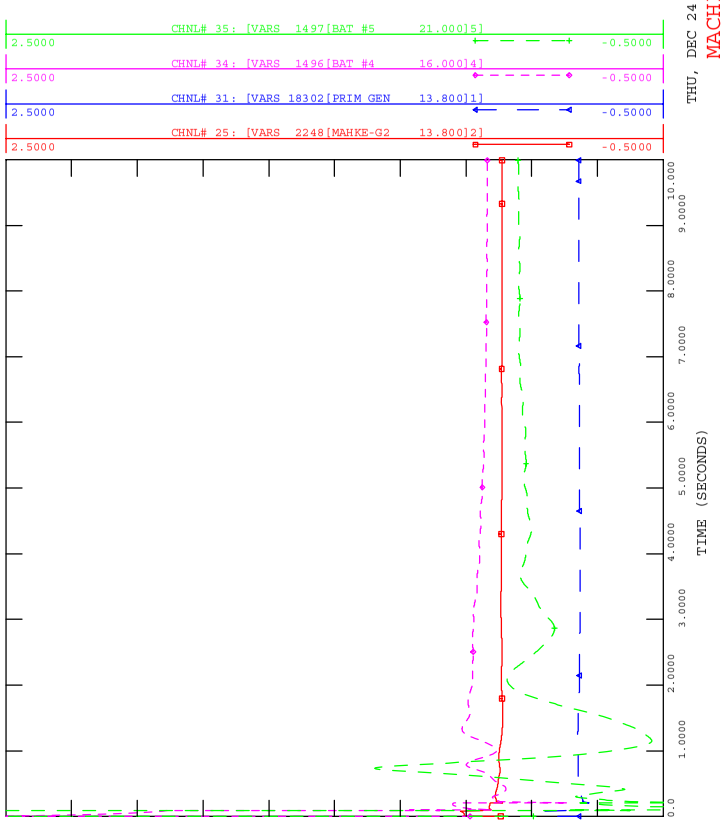


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MACHINE VARS

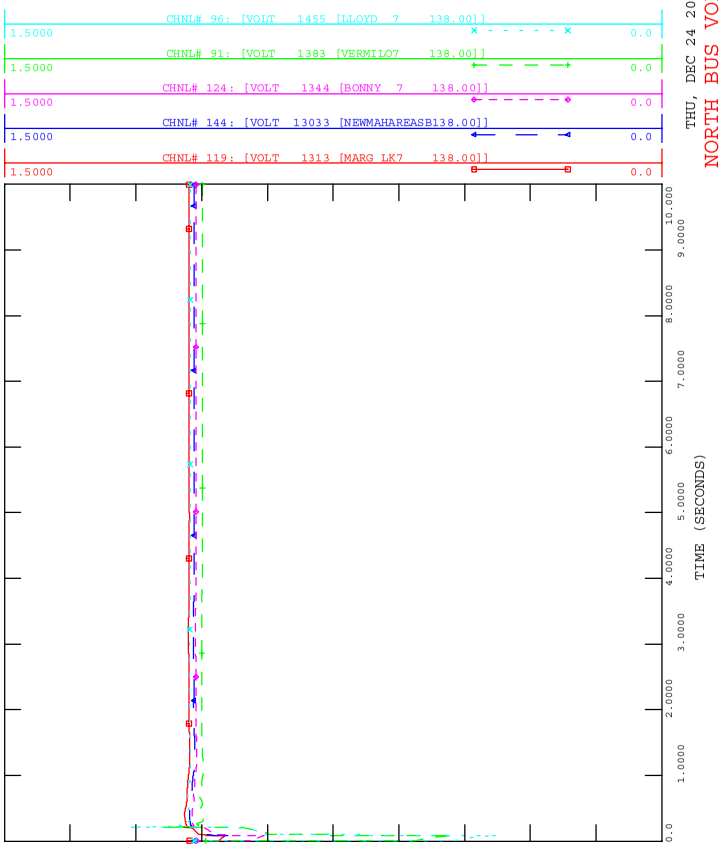


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

NORTH BUS VOLTAGES

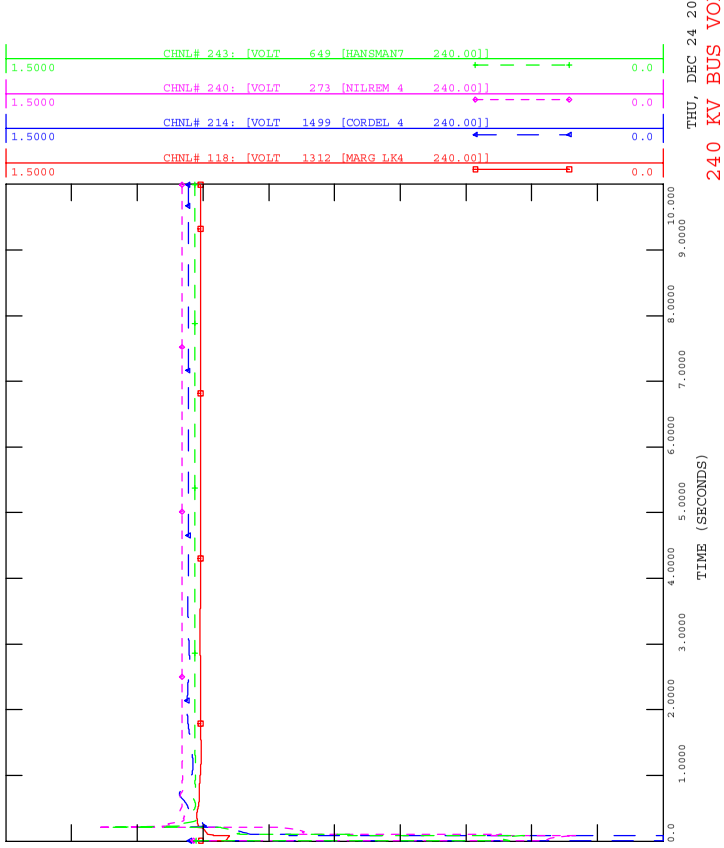


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

240 KV BUS VOLTAGES

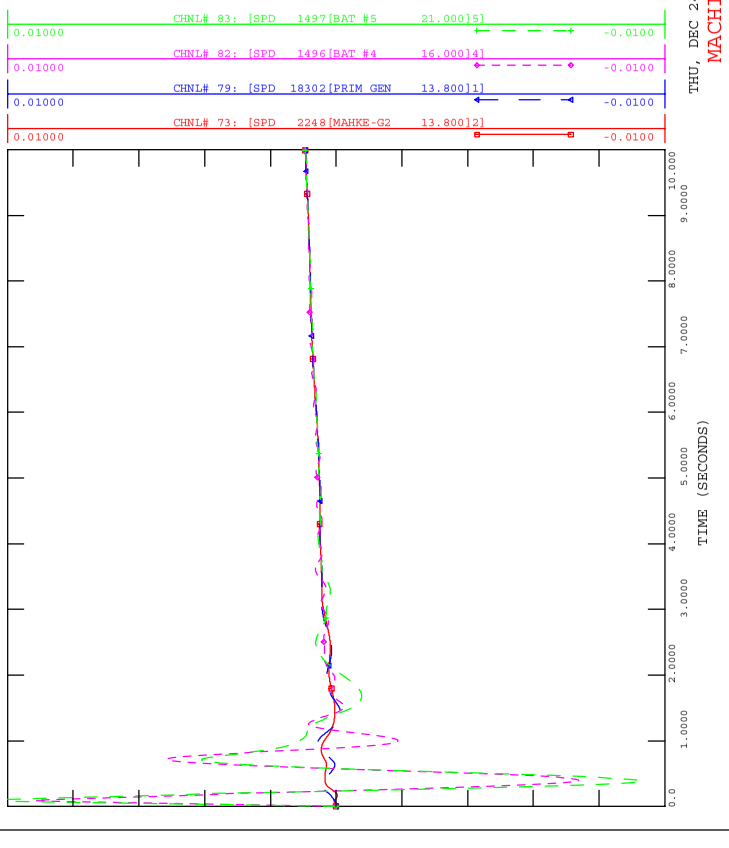


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MACHINE SPEED

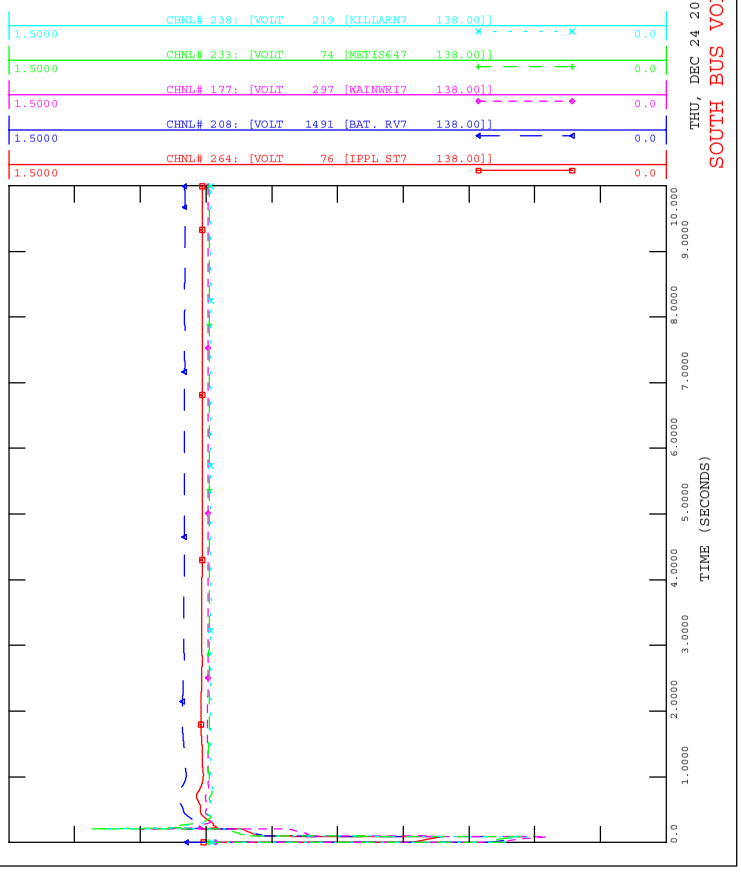


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

SOUTH BUS VOLTAGES



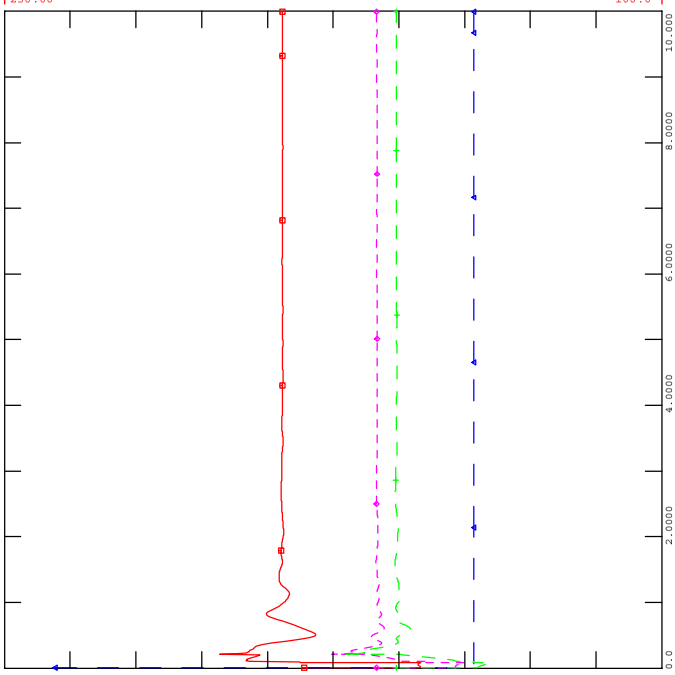
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

SOUTH LINES POWER FLOW

CHNL# 1179: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 891: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1169: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



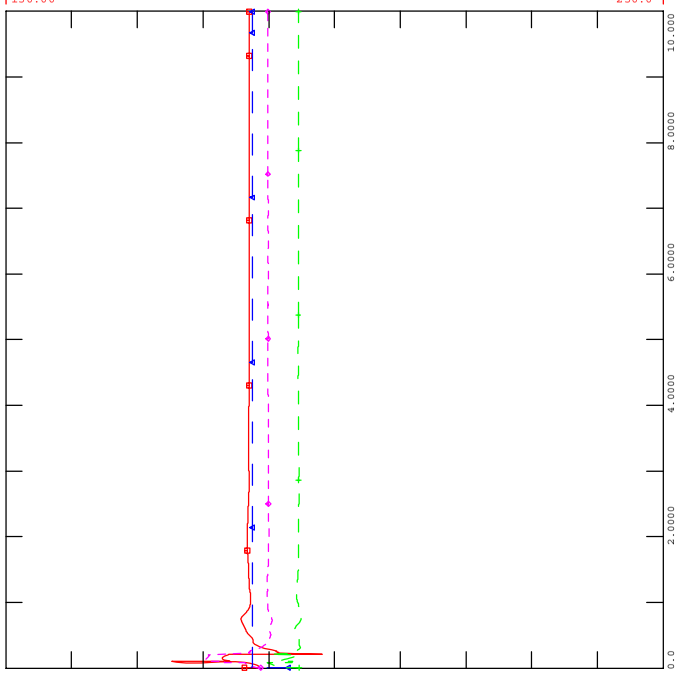
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

SOUTH LINES VAR FLOW

CHNL# 1180: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 892: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1170: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



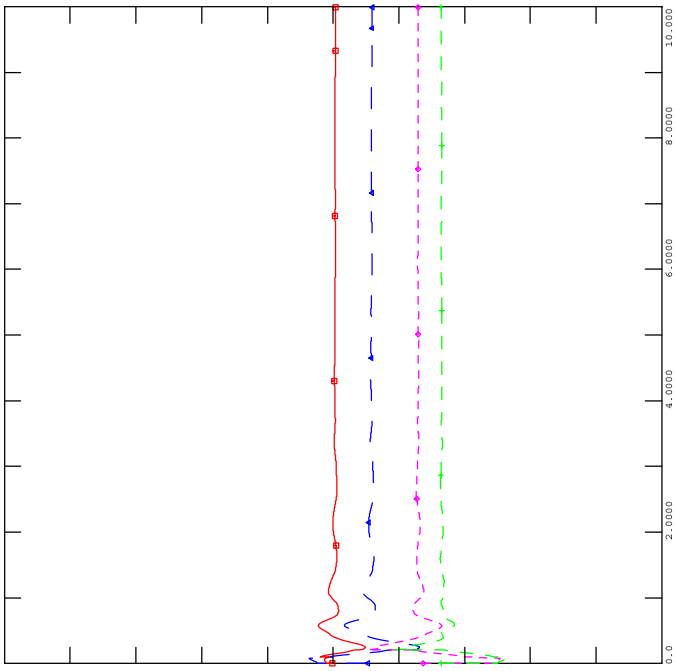
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

NORTH LINES POWER FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1117: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 583: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



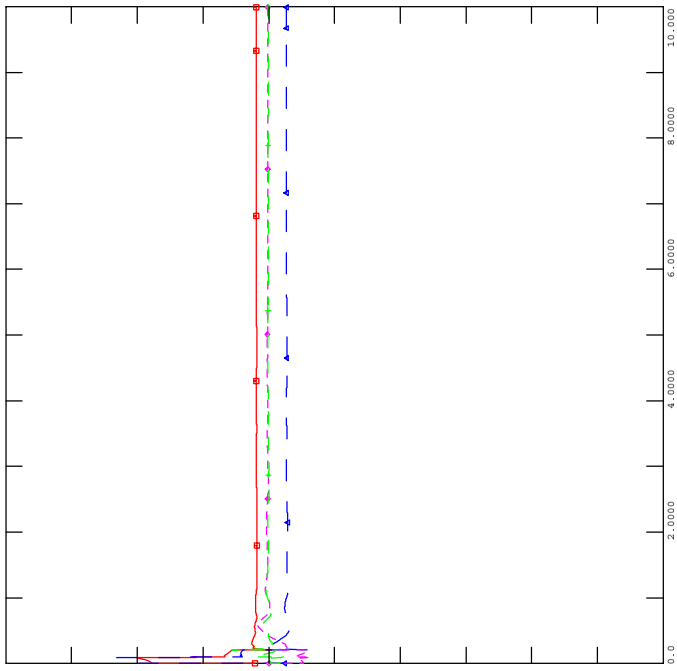
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

NORTH LINES VAR FLOW

CHNL# 342: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 1118: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 584: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

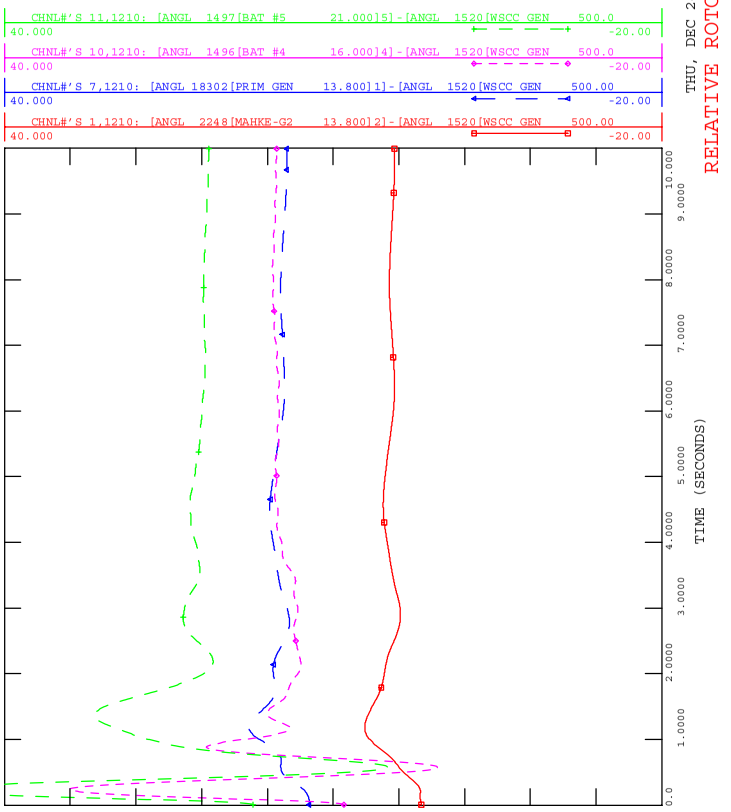


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

RELATIVE ROTOR ANGLES

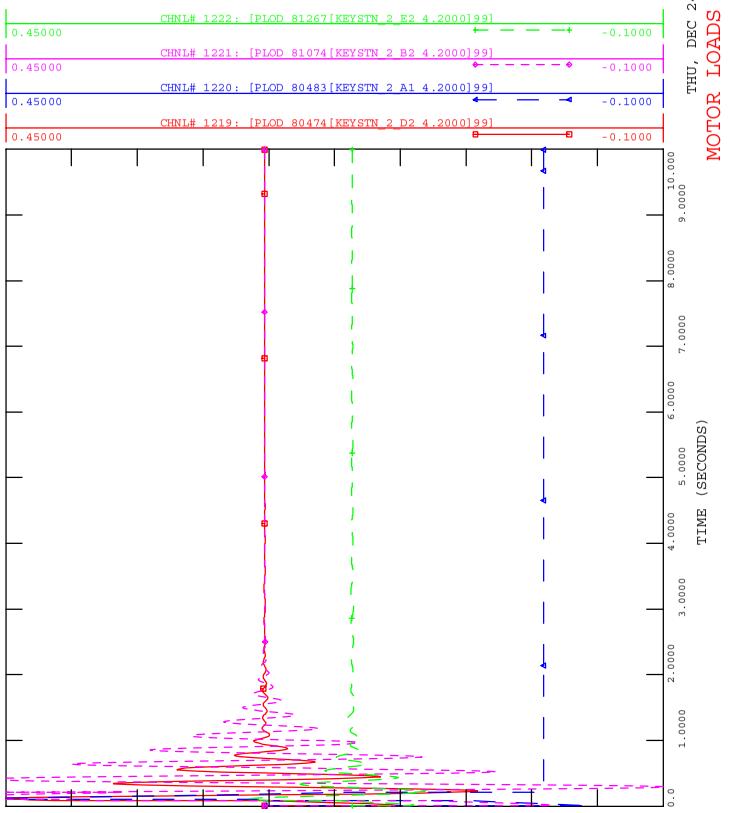


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP II

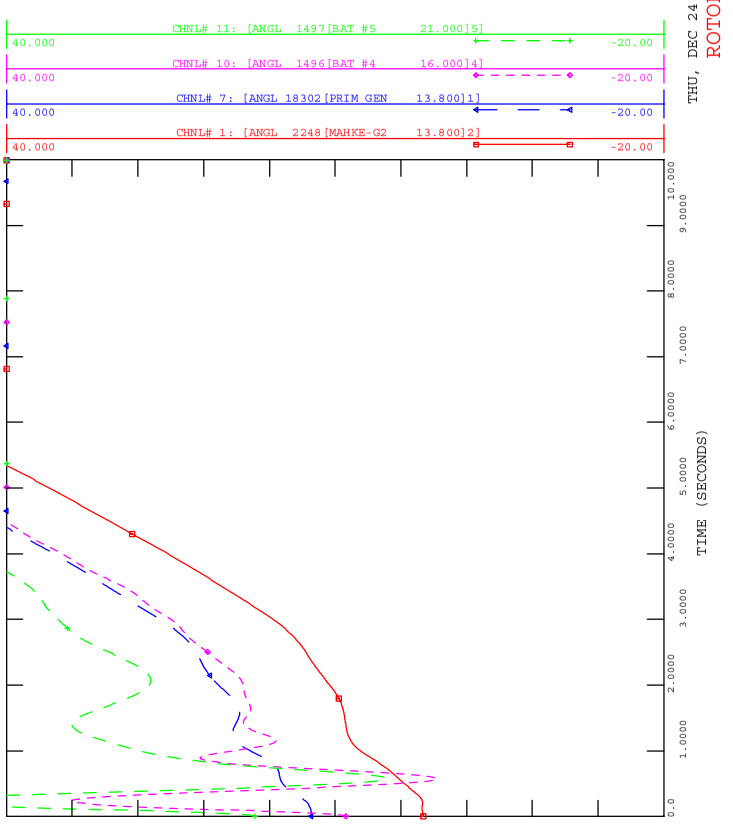


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

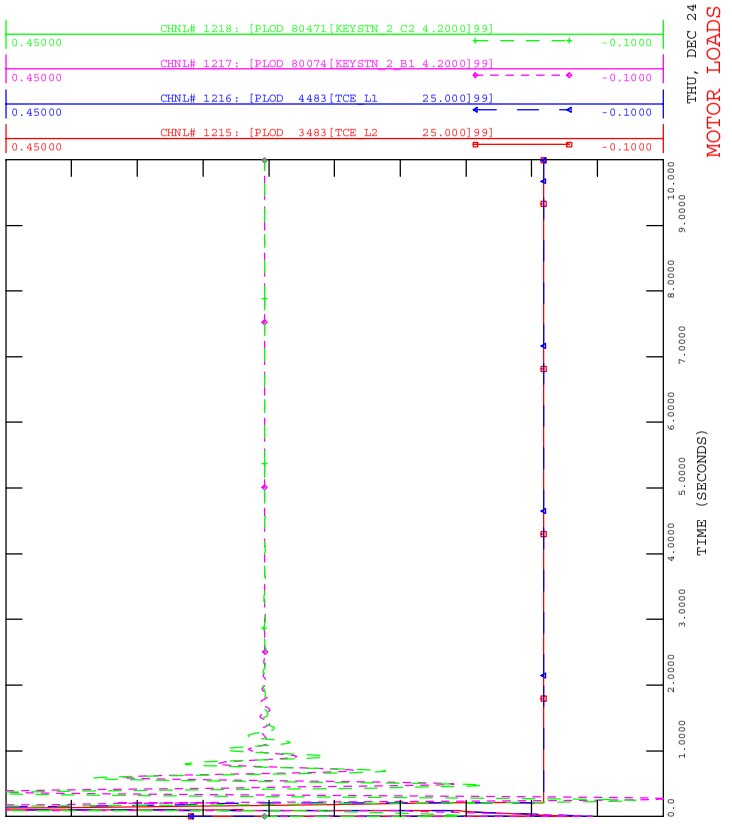


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP I

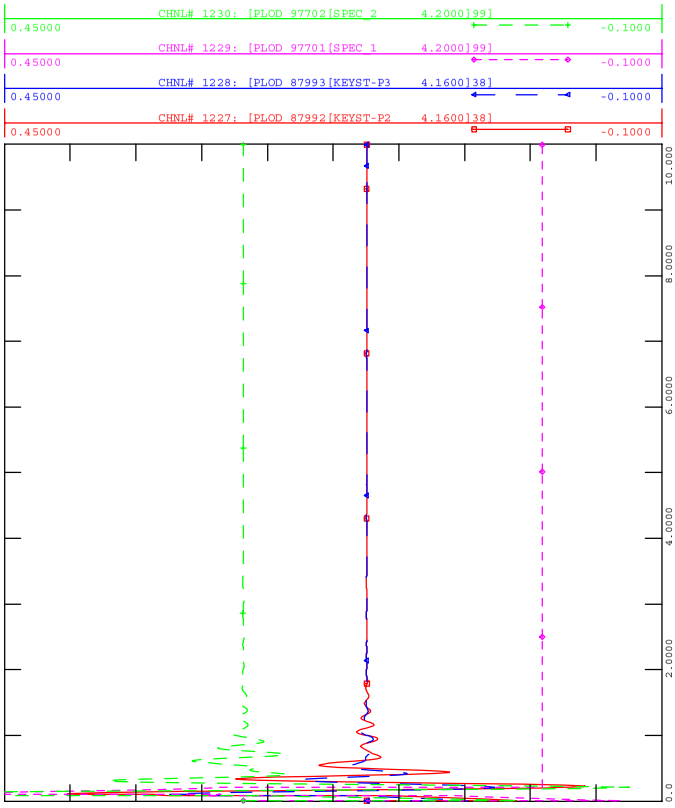


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP IV

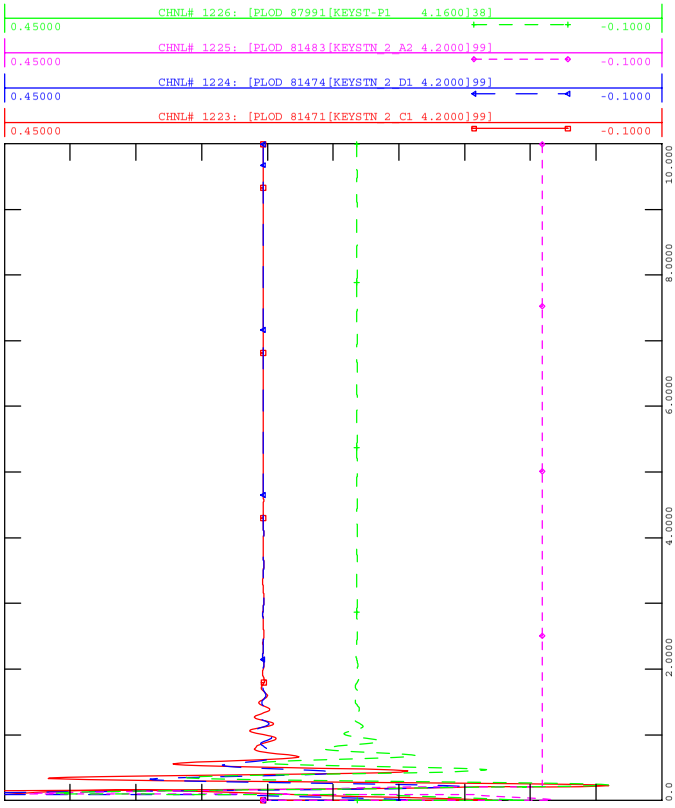


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B6fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP III

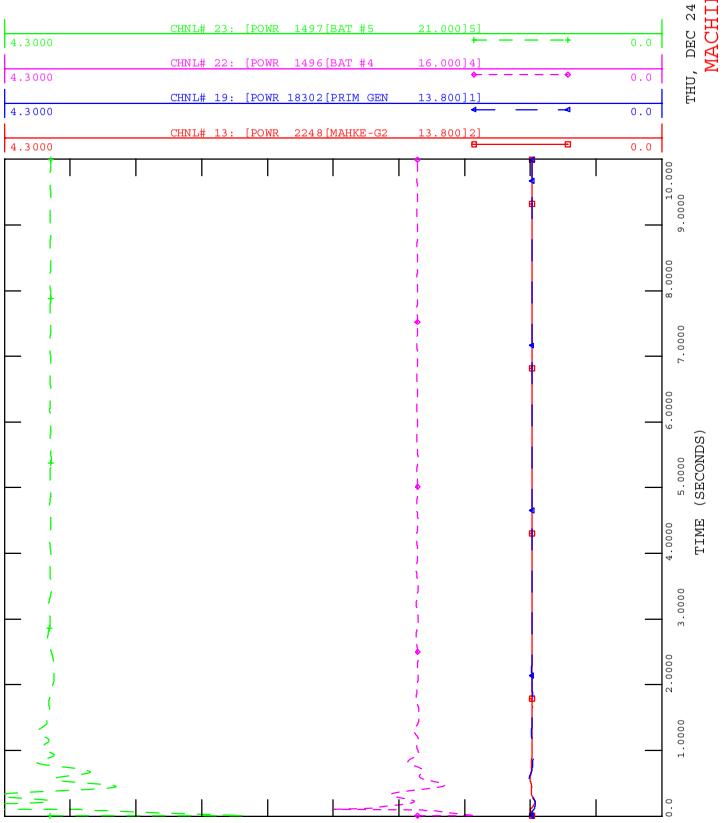


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MACHINE POWER

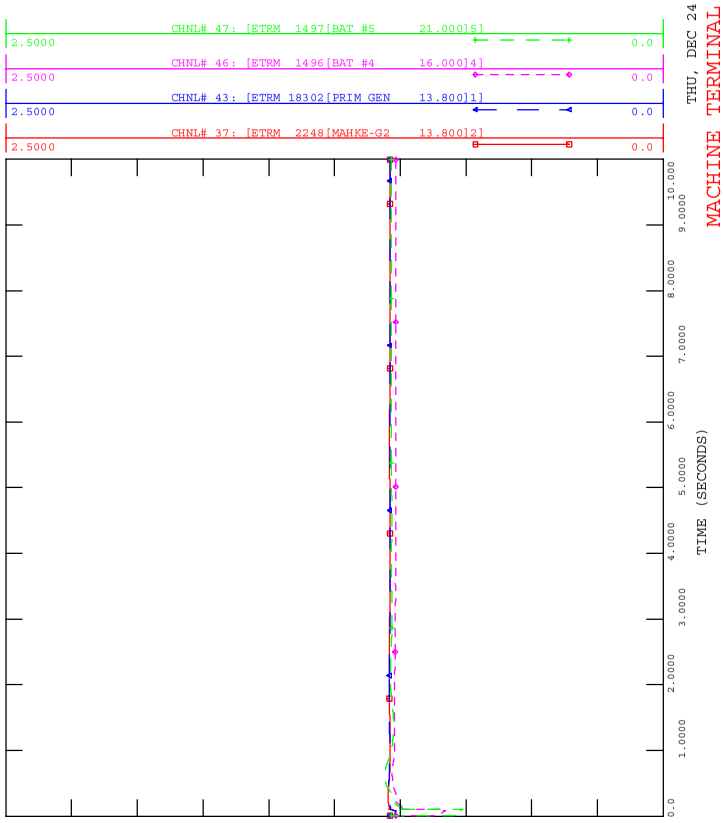


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MACHINE TERMINAL VOLTAGE

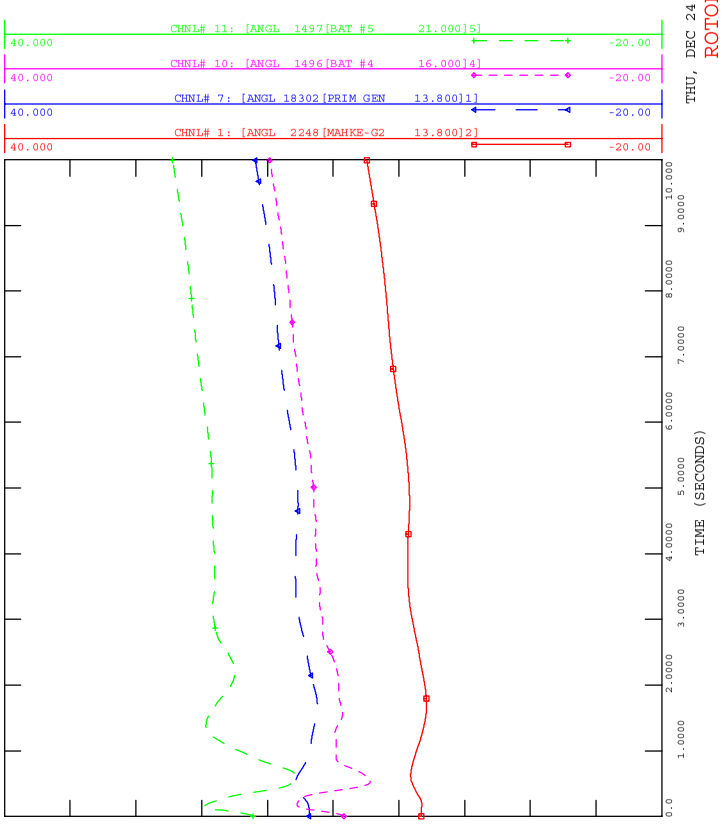


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

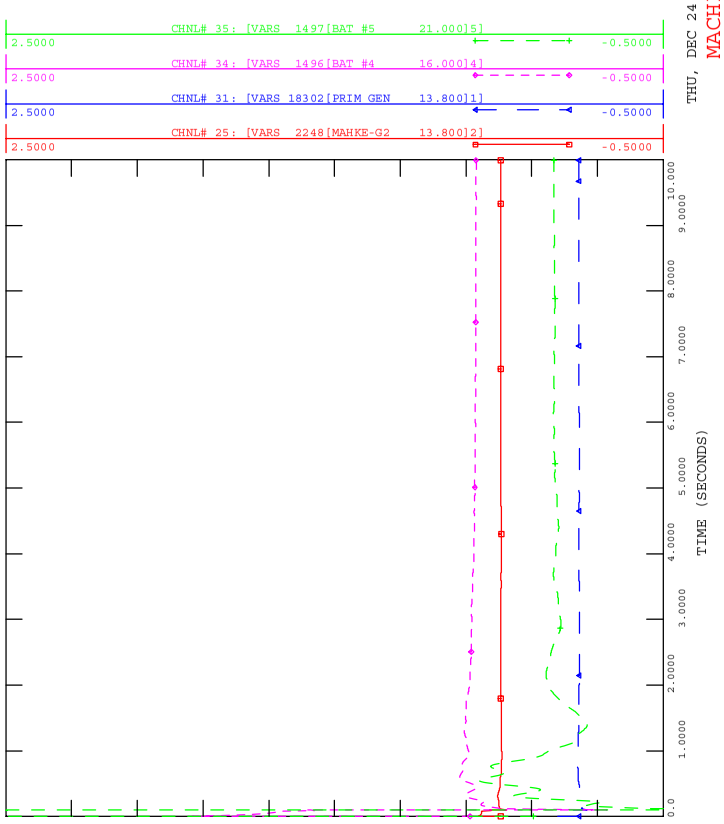


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MACHINE VARS

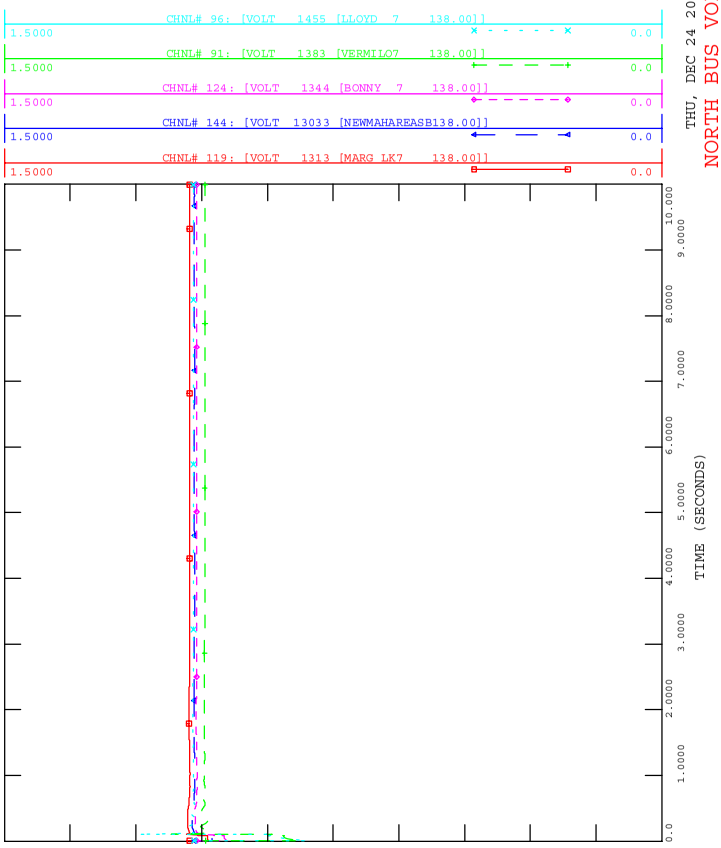


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

NORTH BUS VOLTAGES

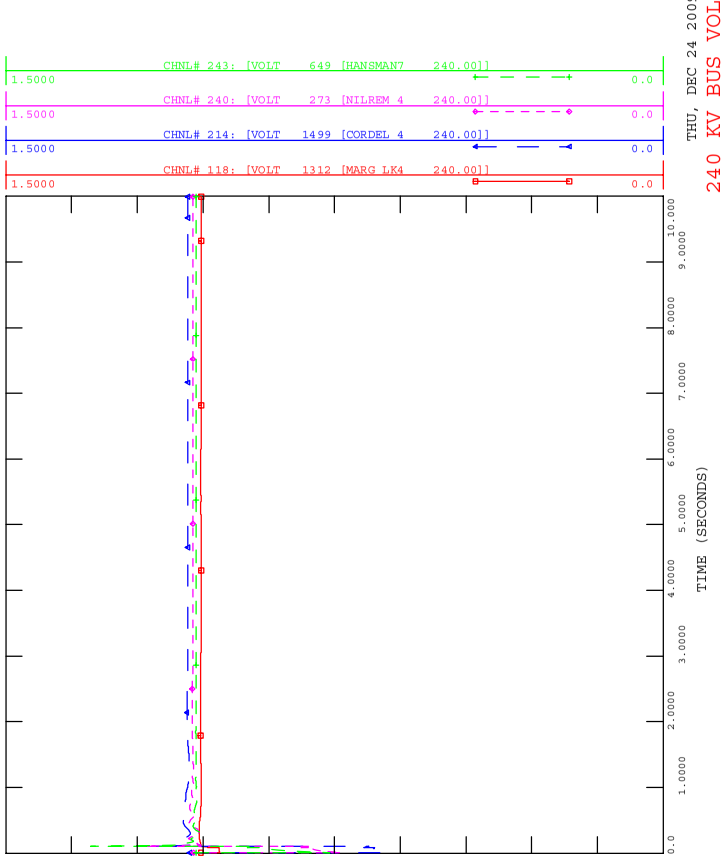


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

240 KV BUS VOLTAGES

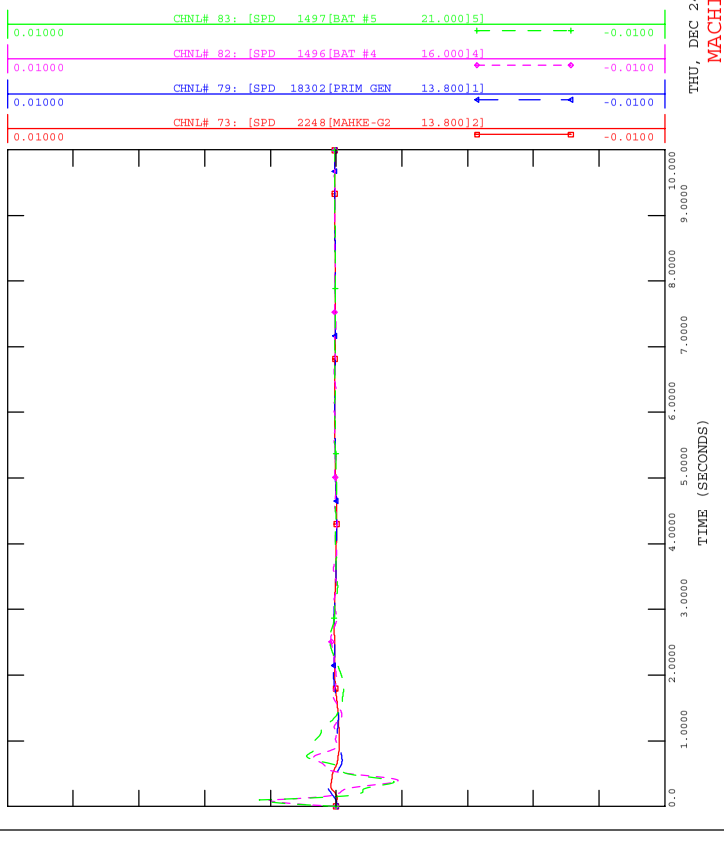


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MACHINE SPEED

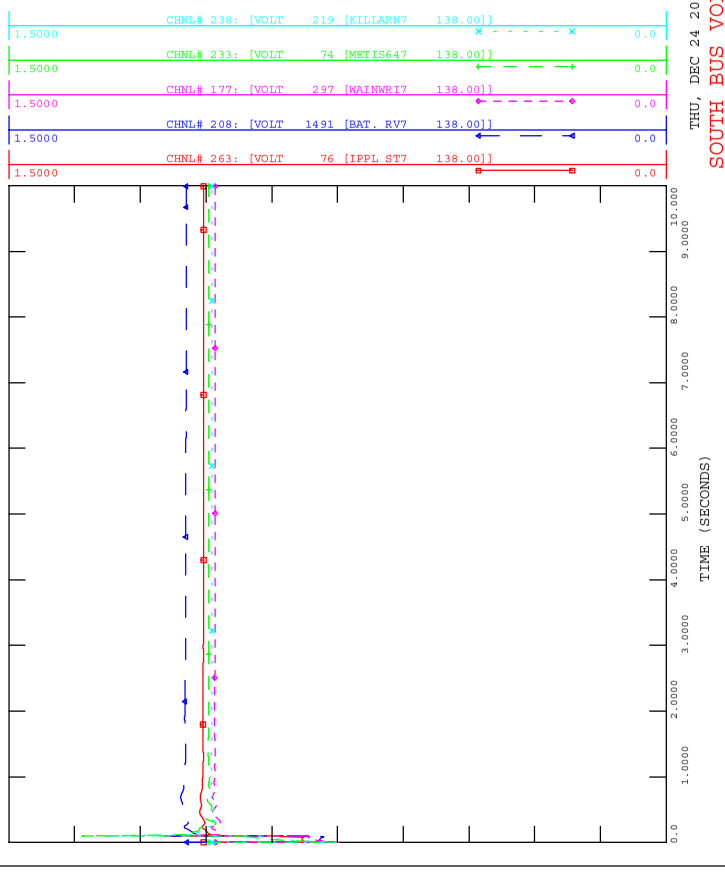


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

SOUTH BUS VOLTAGES



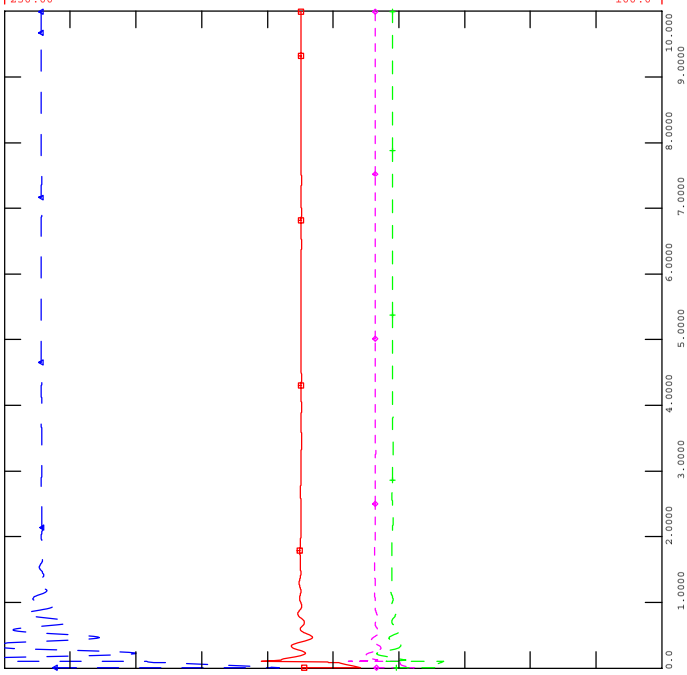
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

SOUTH LINES POWER FLOW

CHNL# 1181: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 890: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



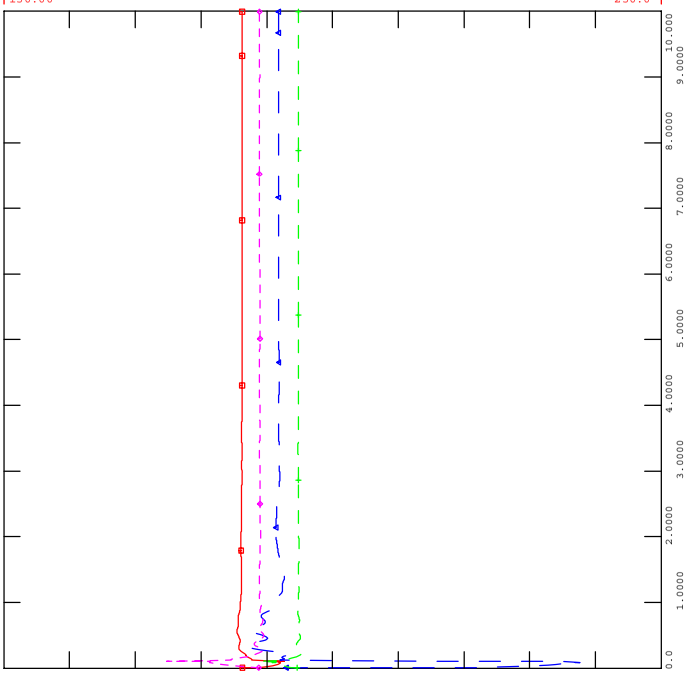
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

SOUTH LINES VAR FLOW

CHNL# 1182: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 891: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



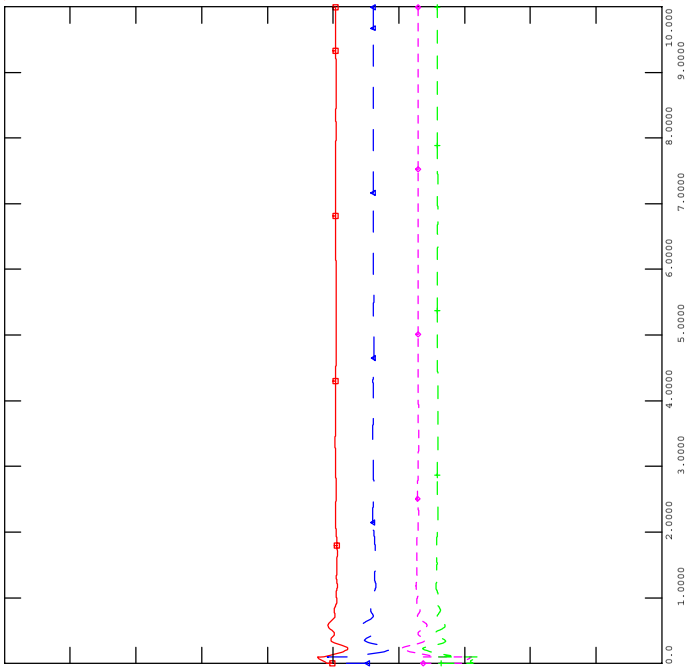
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1117: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 582: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



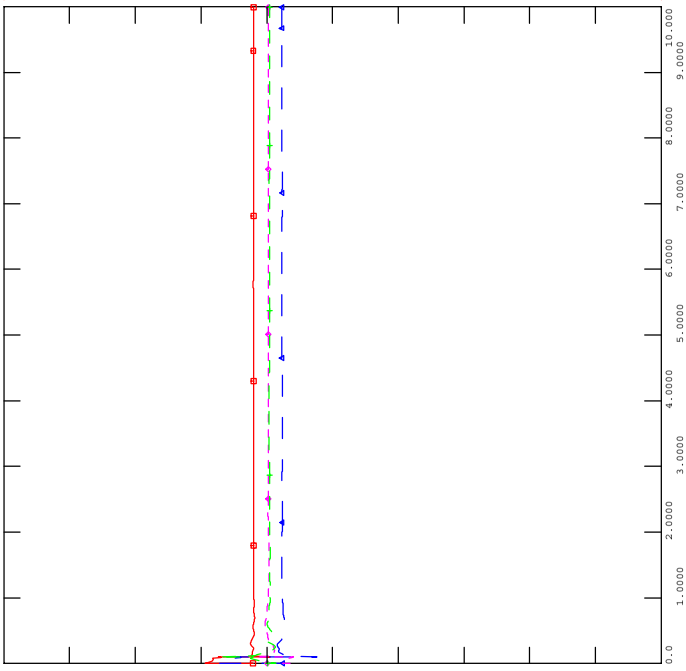
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 1118: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 583: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

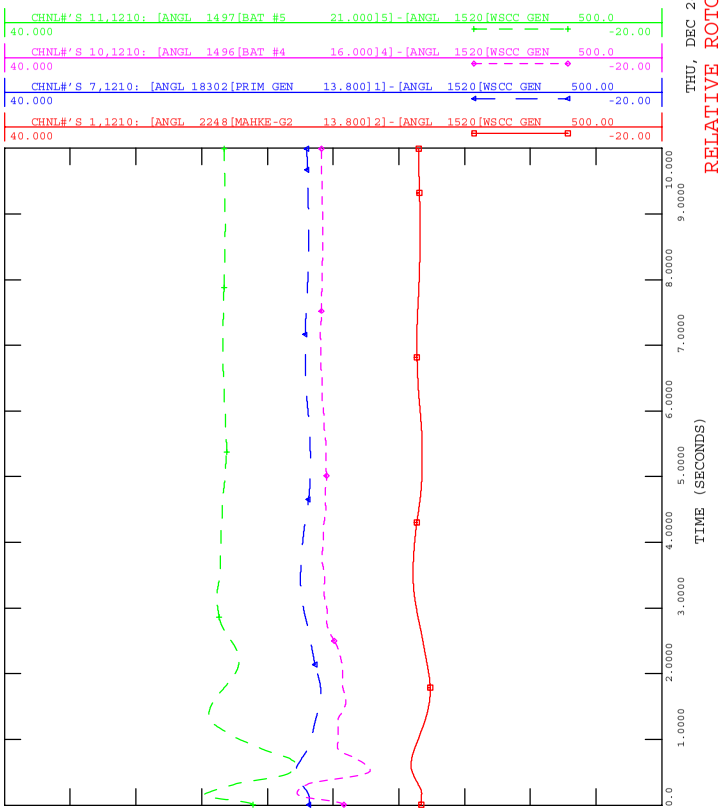


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

RELATIVE ROTOR ANGLES

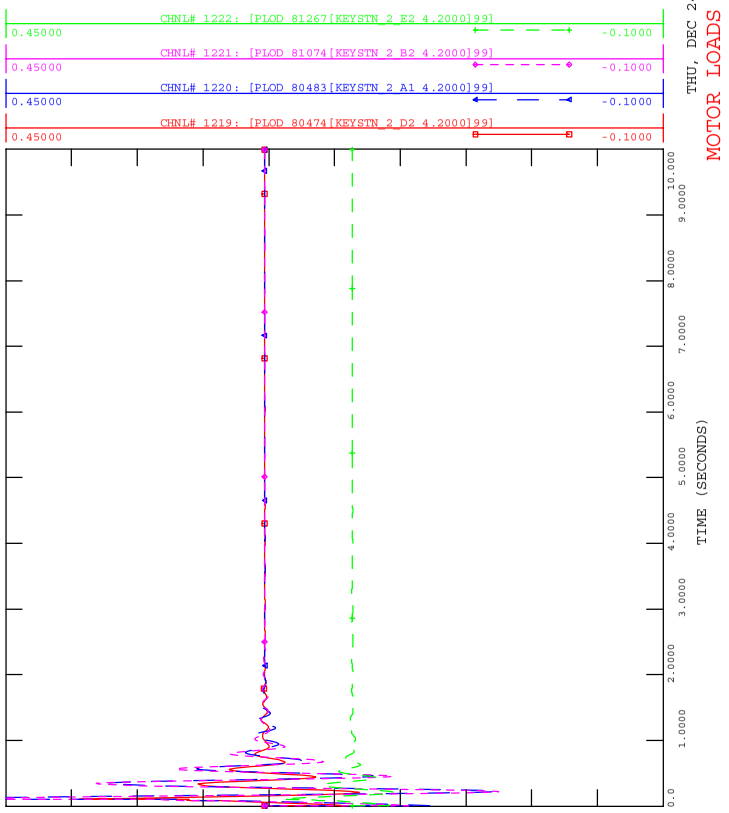


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP II

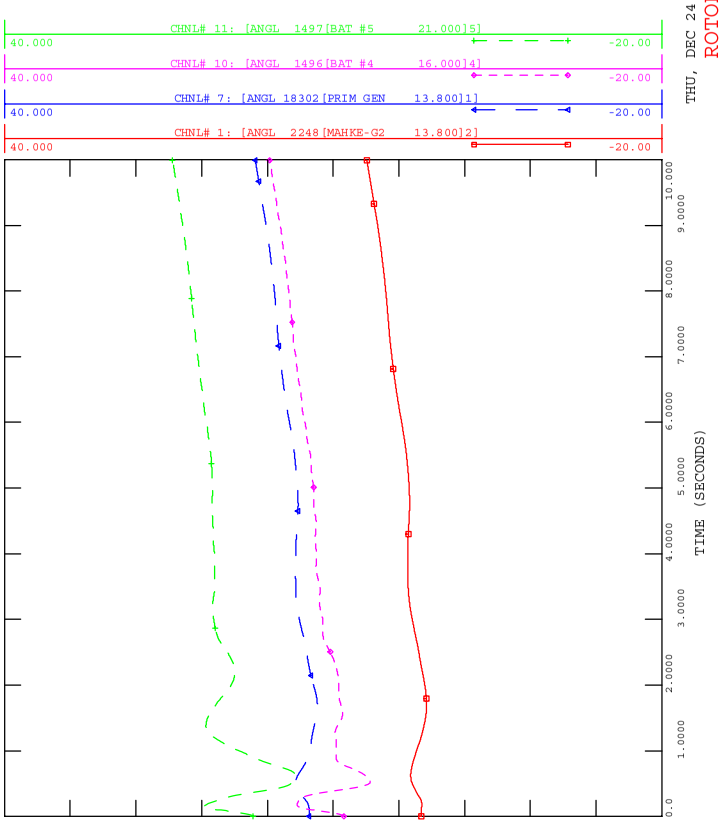


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

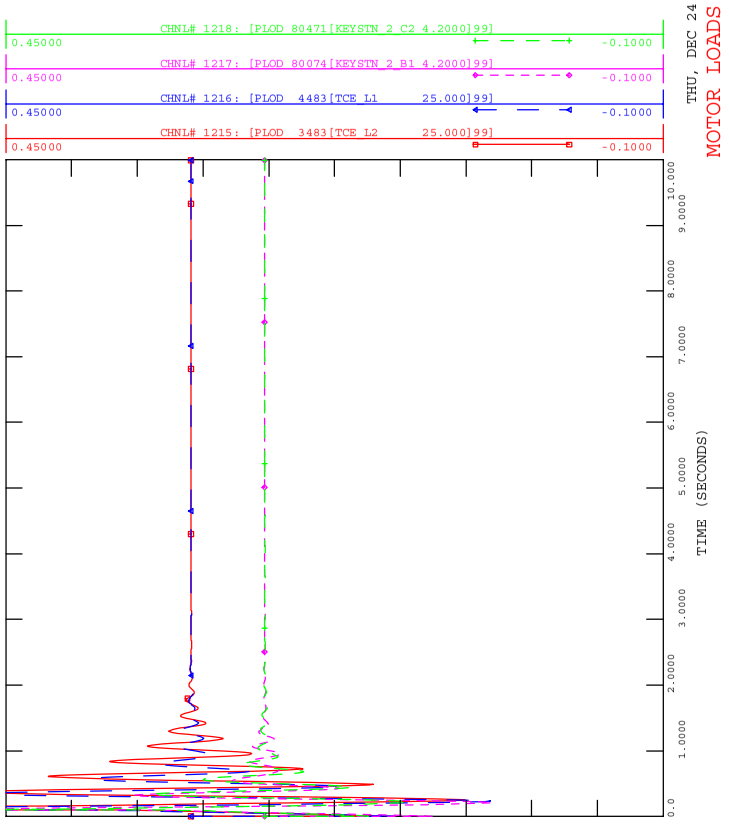


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP I

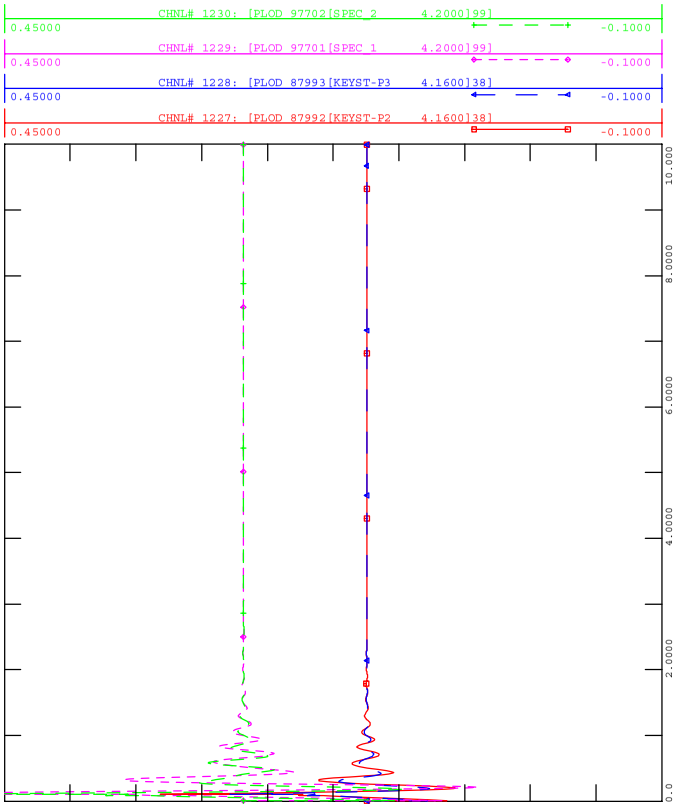


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP IV

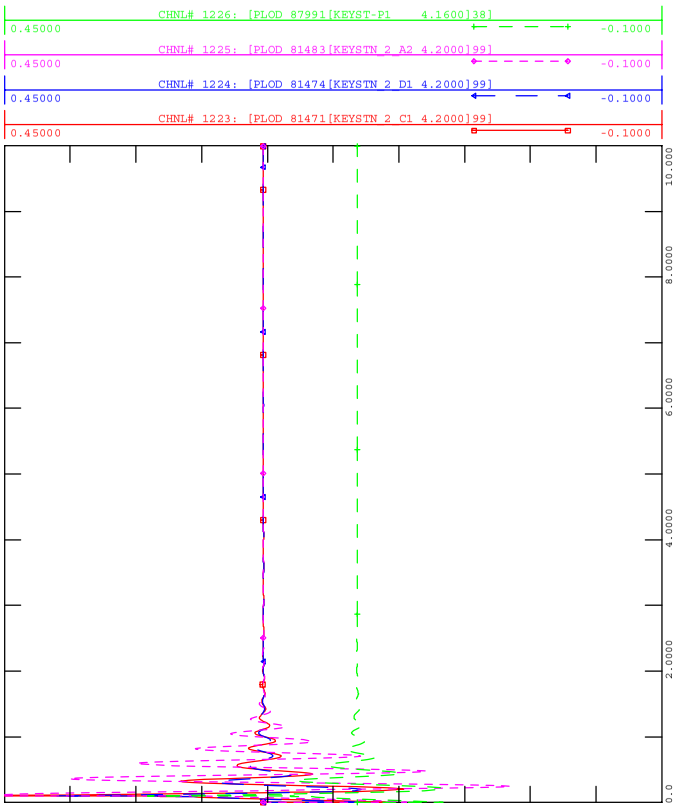


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B7fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP III

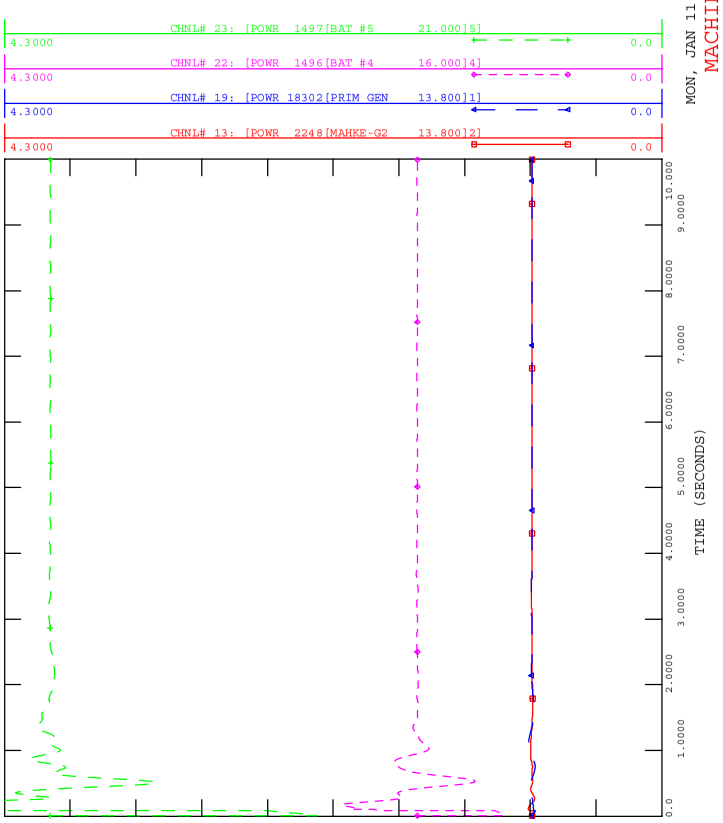


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

MACHINE POWER

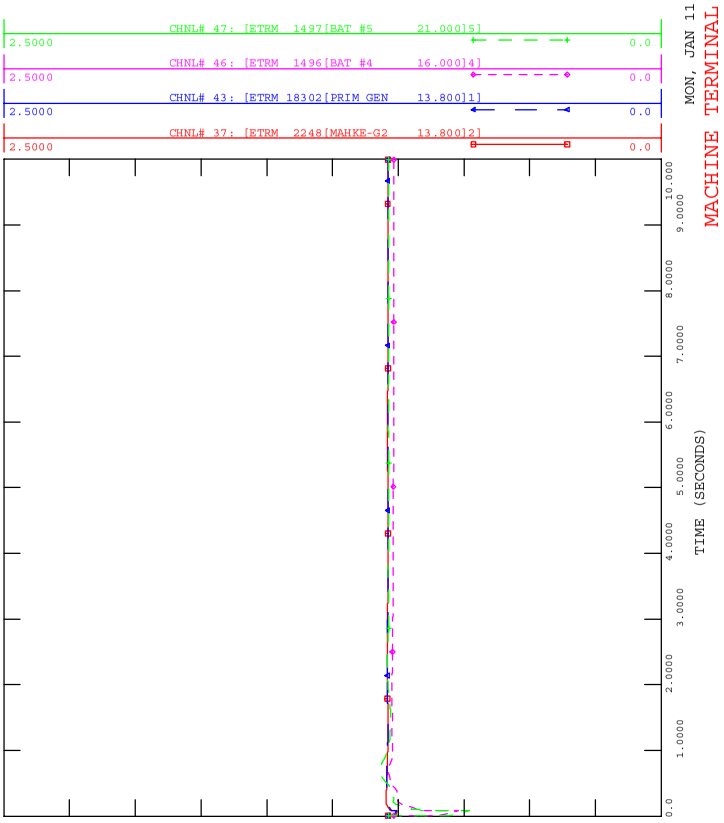


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

MACHINE TERMINAL VOLTAGE

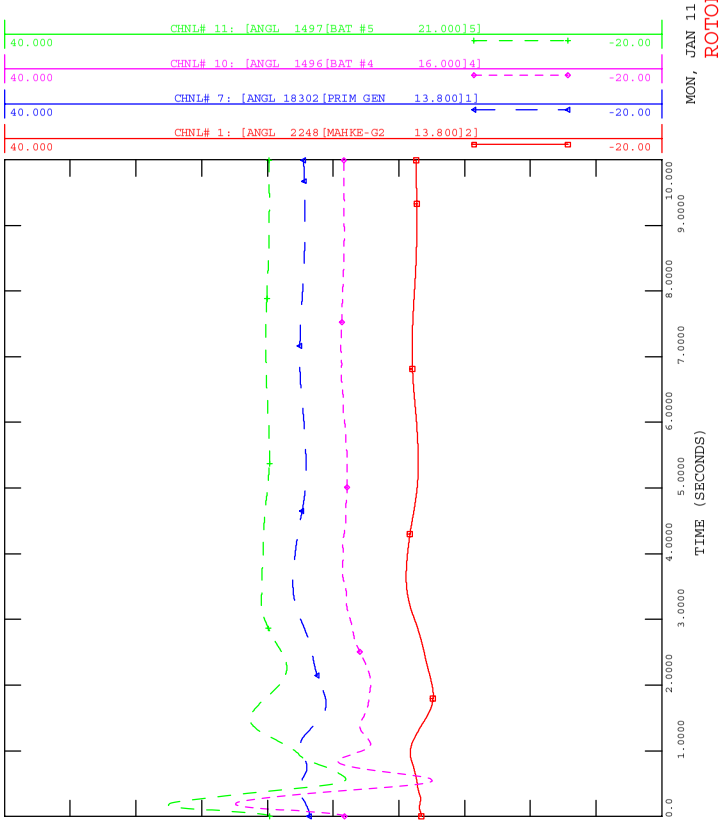


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

ROTOR ANGLES

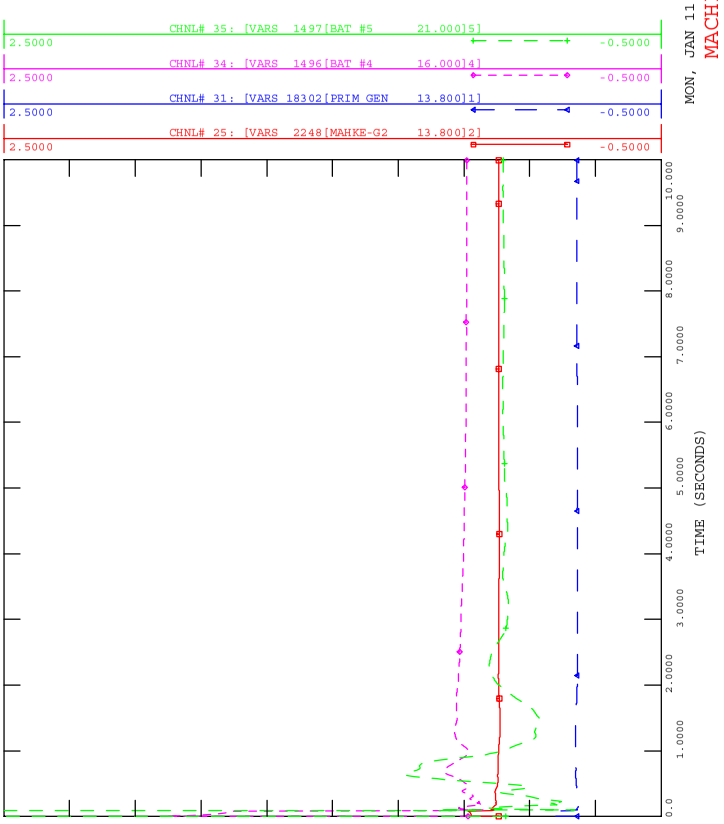


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

MACHINE VARS

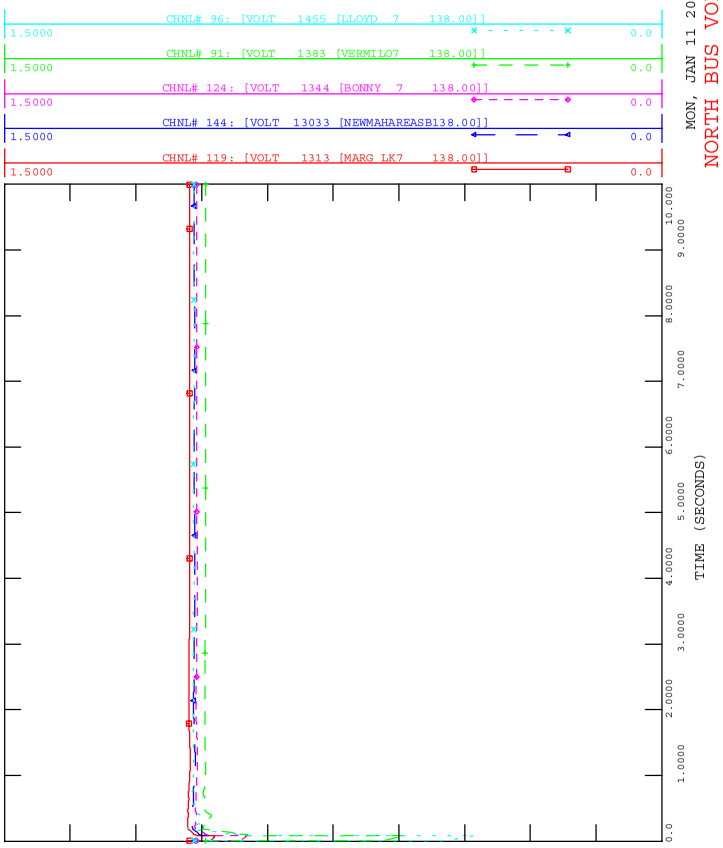


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

NORTH BUS VOLTAGES

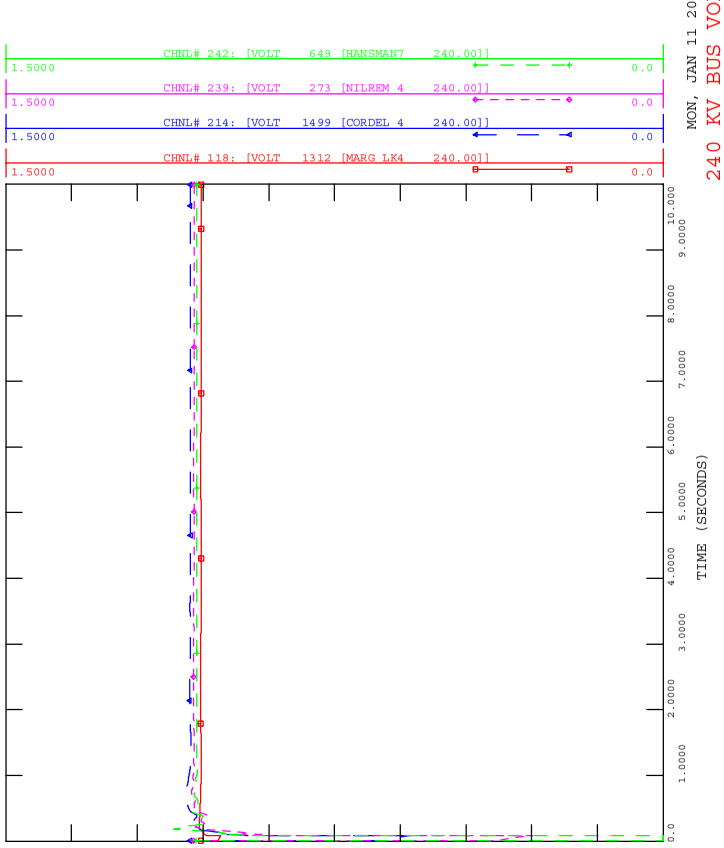


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

240 KV BUS VOLTAGES

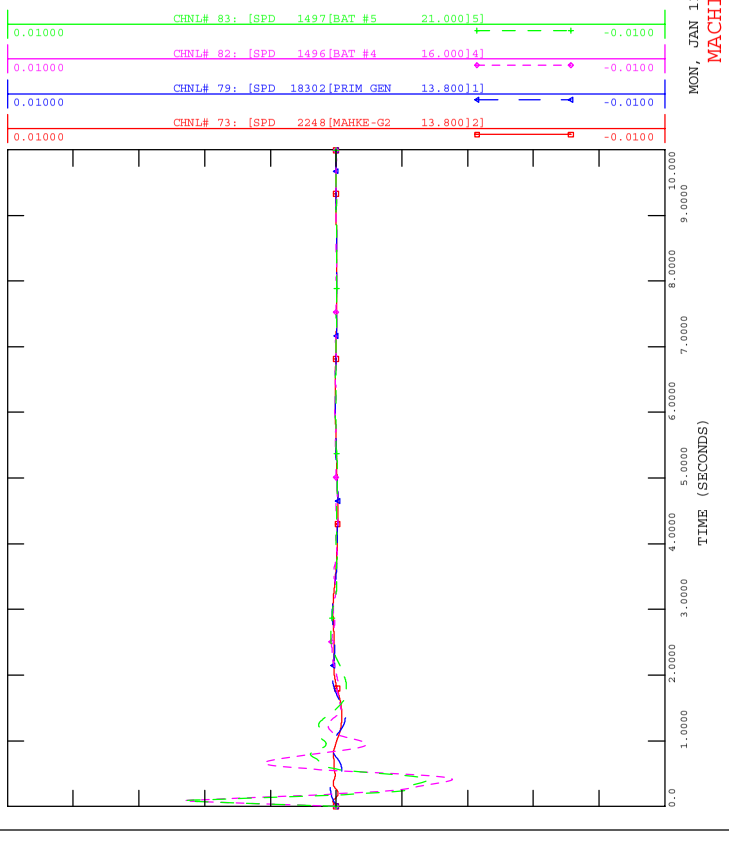


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

MACHINE SPEED

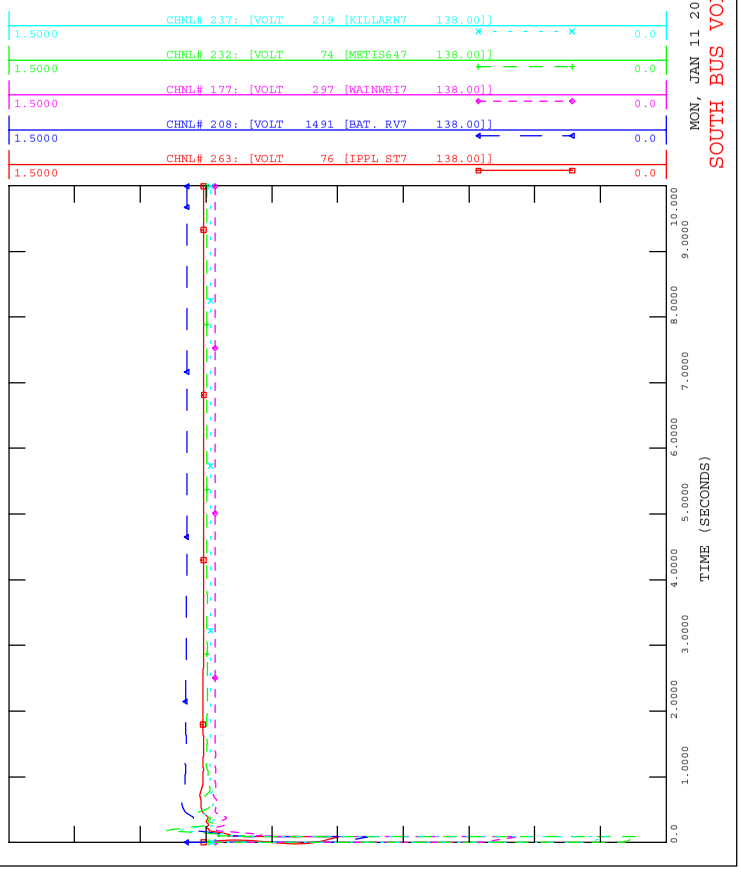


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

SOUTH BUS VOLTAGES

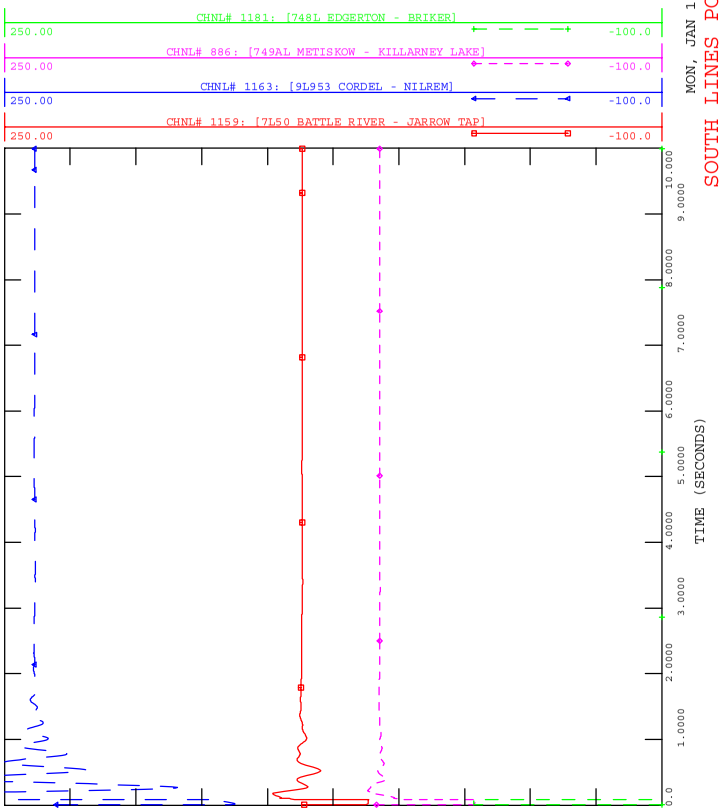


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

SOUTH LINES POWER FLOW

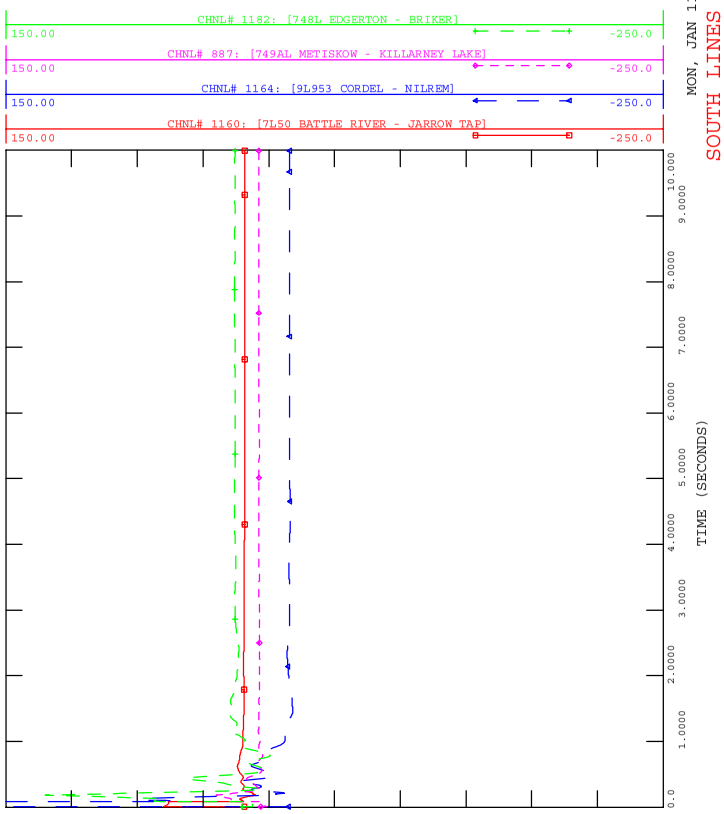


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

SOUTH LINES VAR FLOW

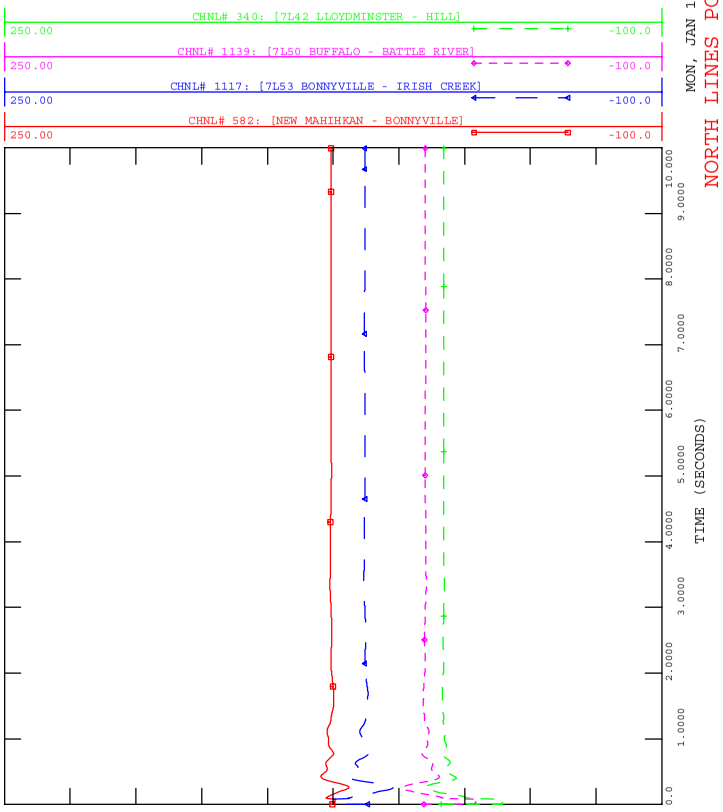


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

MON, JAN 11 2010 17:06

NORTH LINES POWER FLOW

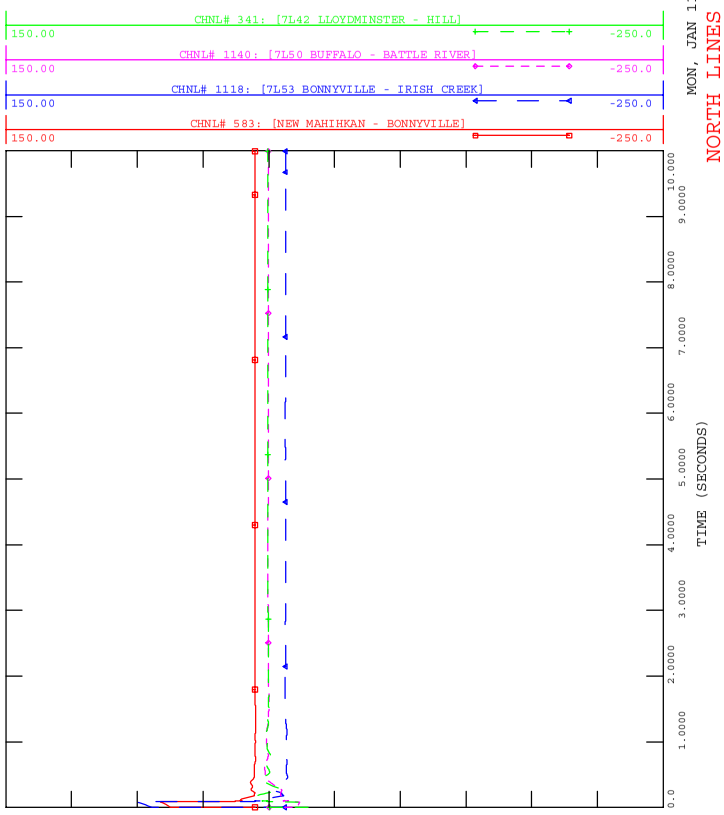


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

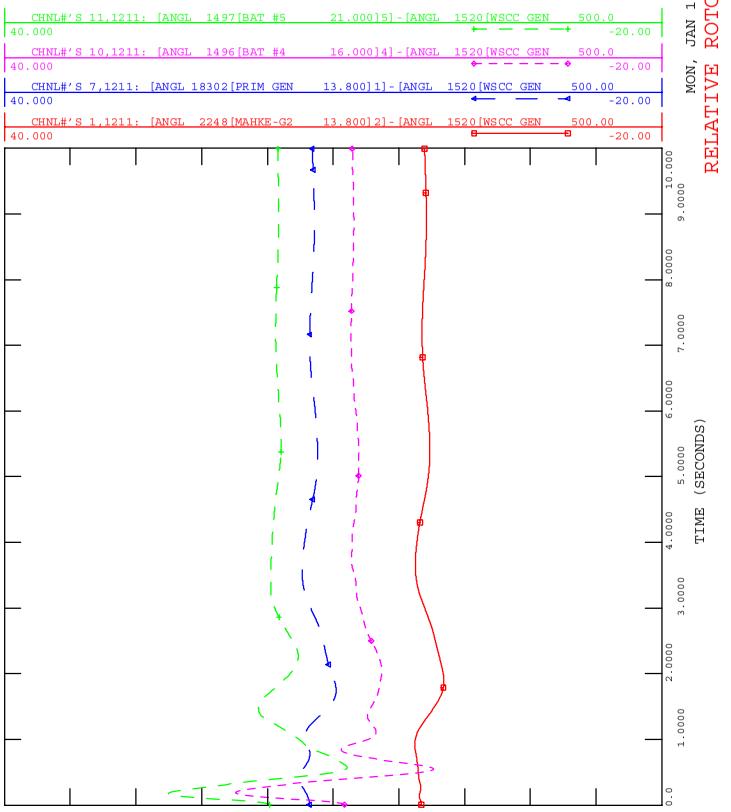
MON, JAN 11 2010 17:06

NORTH LINES VAR FLOW



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

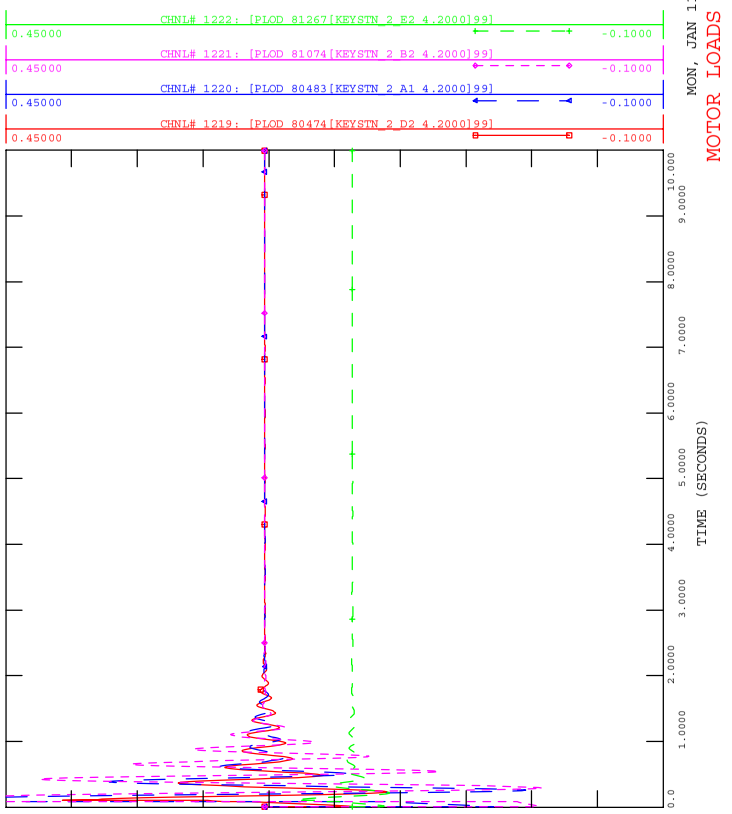


MON, JAN 11 2010 17:06

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

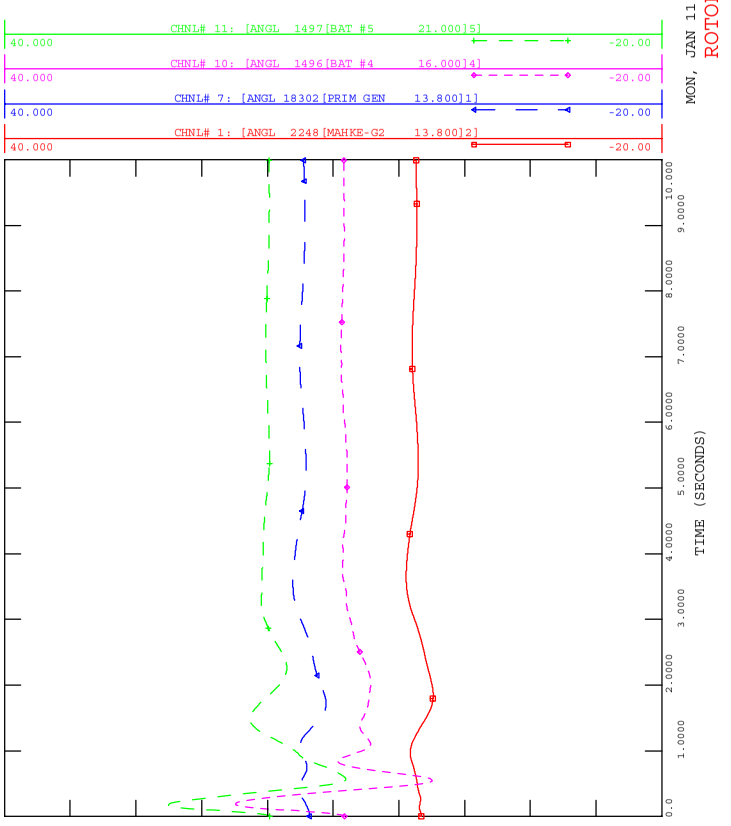


MON, JAN 11 2010 17:07

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

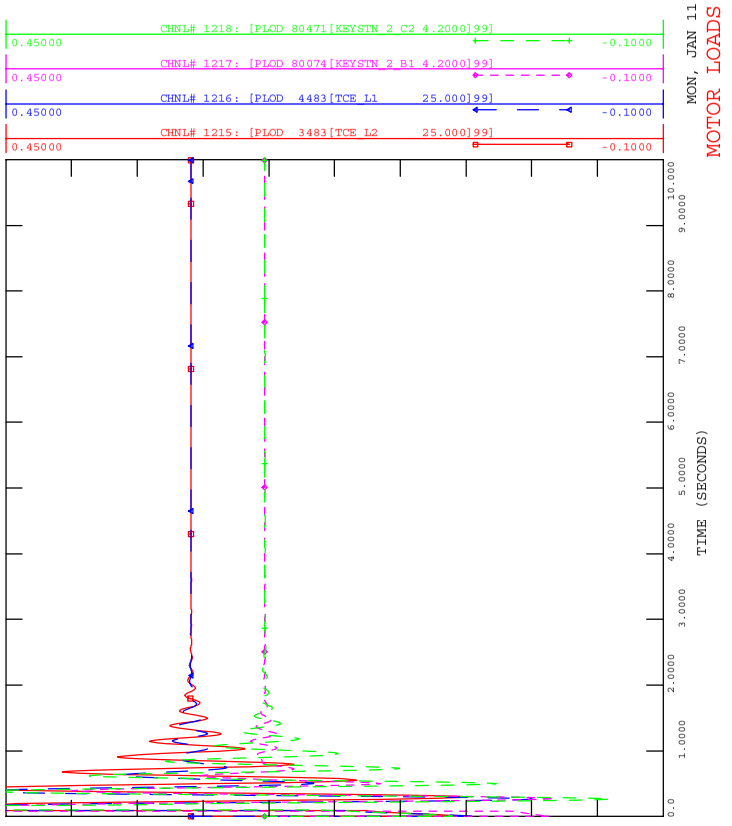


MON, JAN 11 2010 17:06

ROTOR ANGLES

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

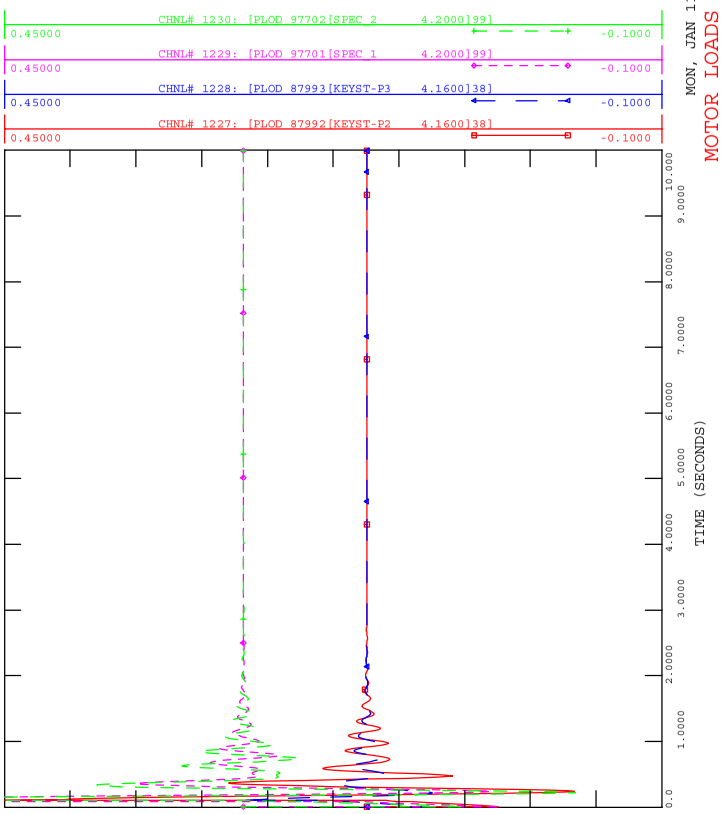


MON, JAN 11 2010 17:06

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out

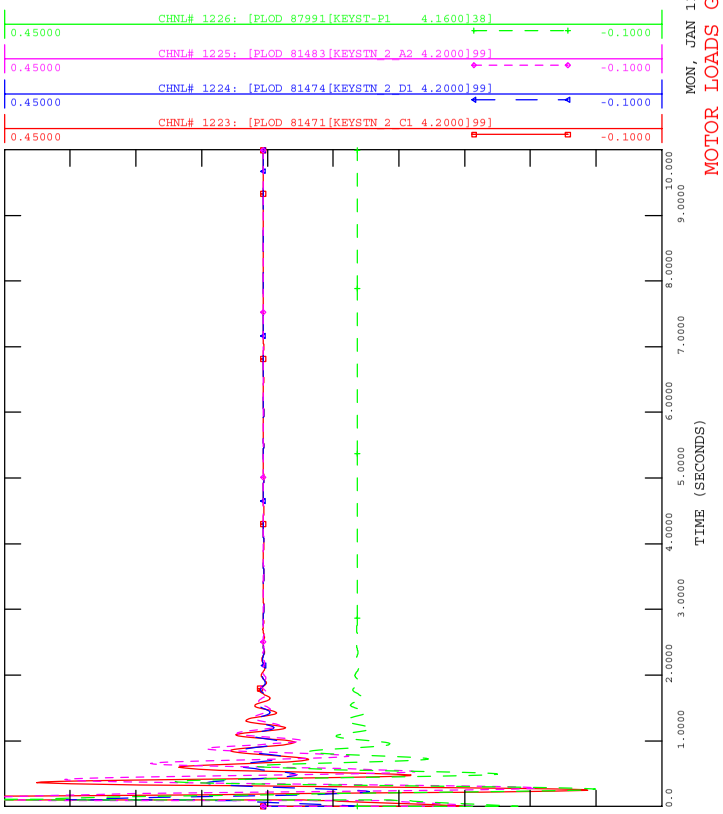


MON, JAN 11 2010 17:07

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B8fault.out



MON, JAN 11 2010 17:07

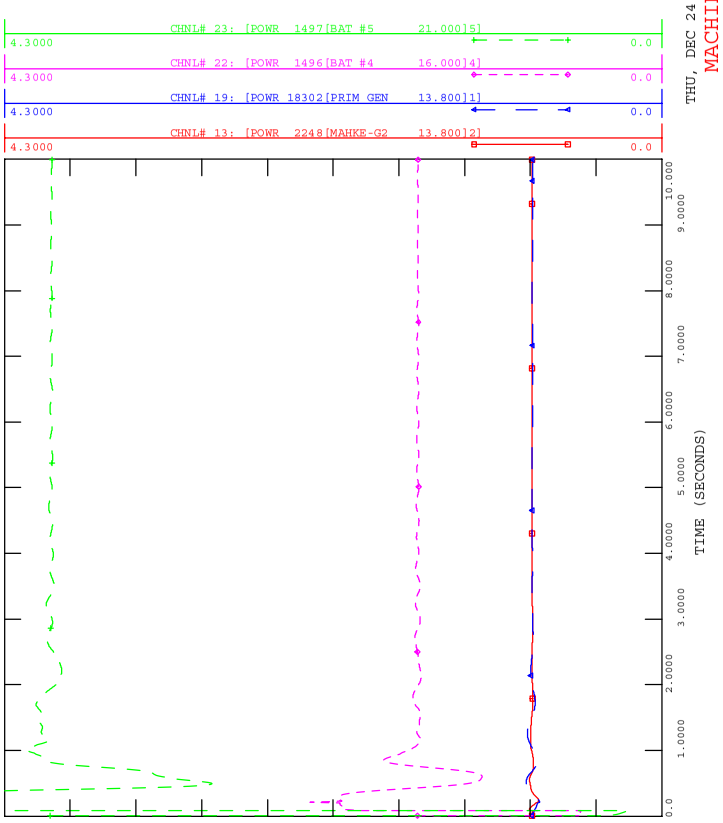
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MACHINE POWER

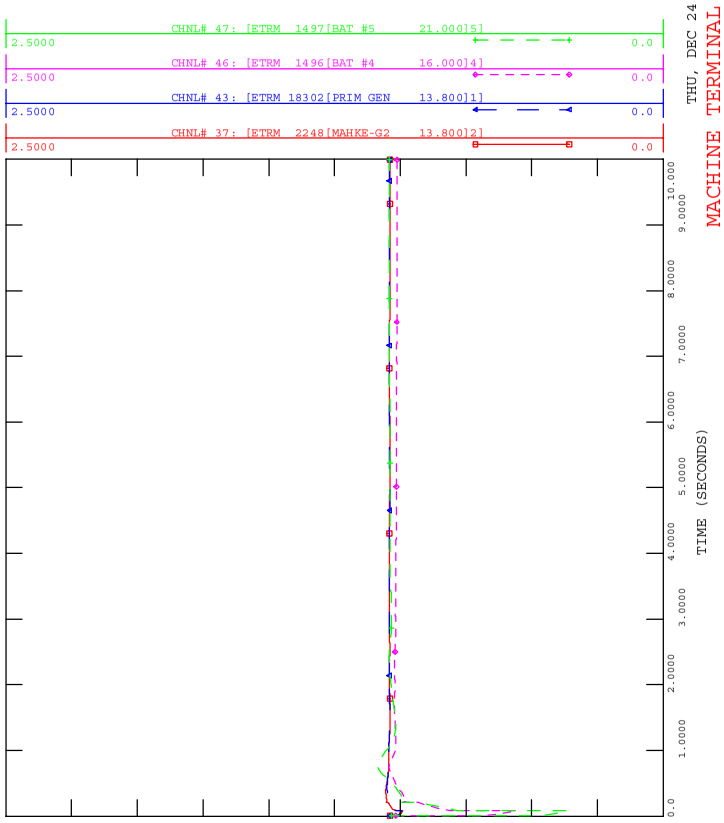


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MACHINE TERMINAL VOLTAGE

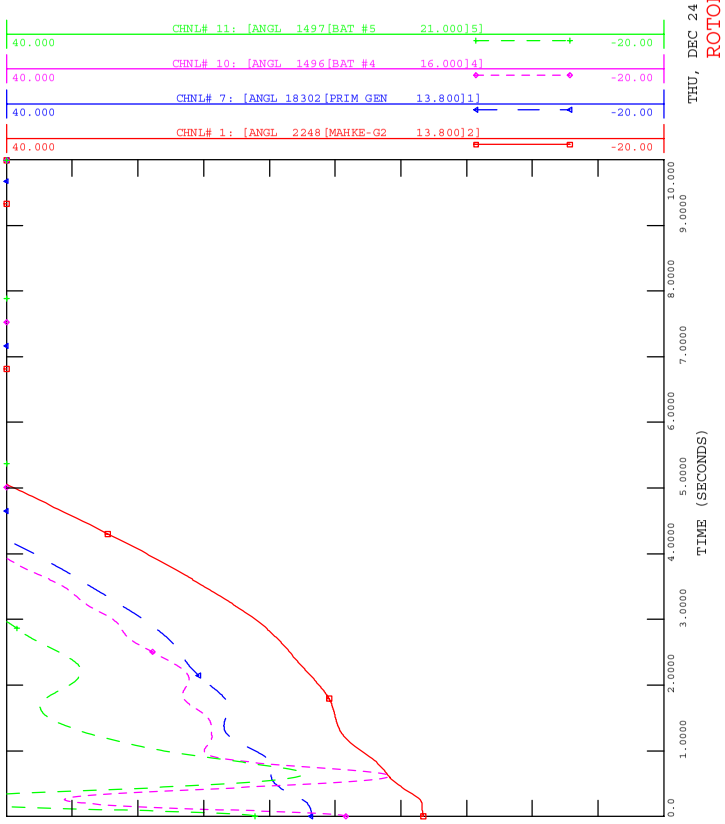


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

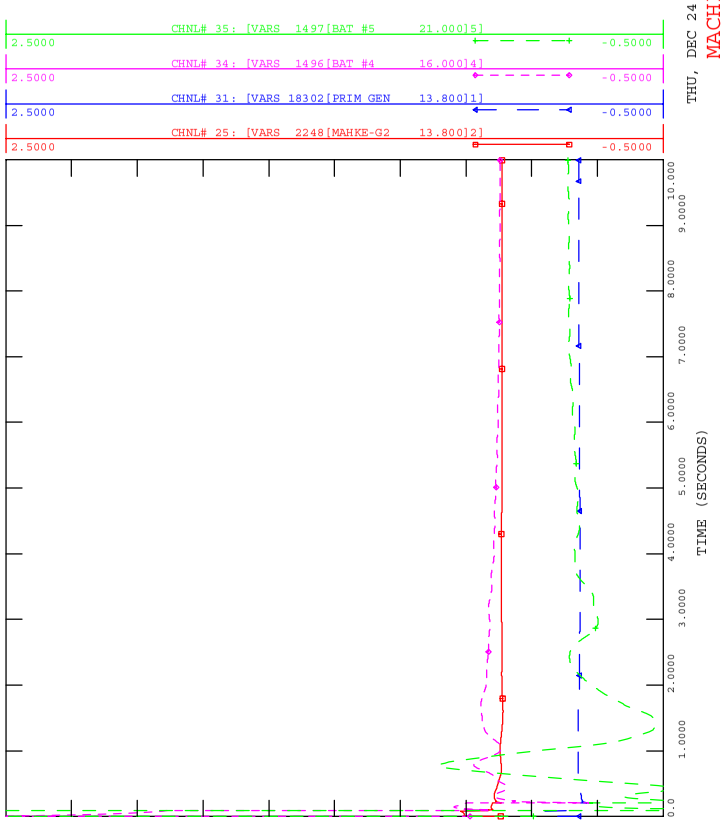


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MACHINE VARS

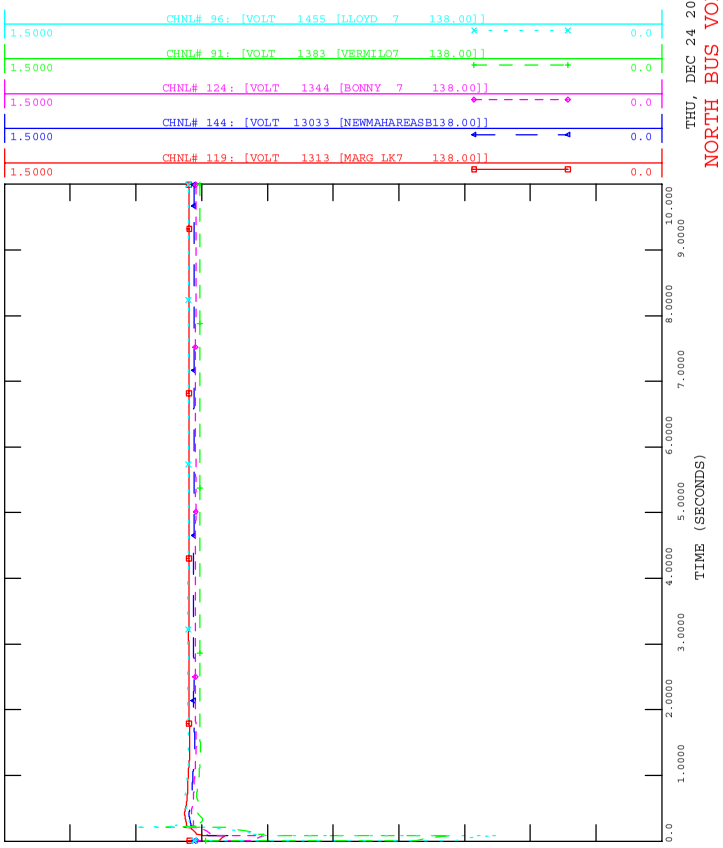


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

NORTH BUS VOLTAGES

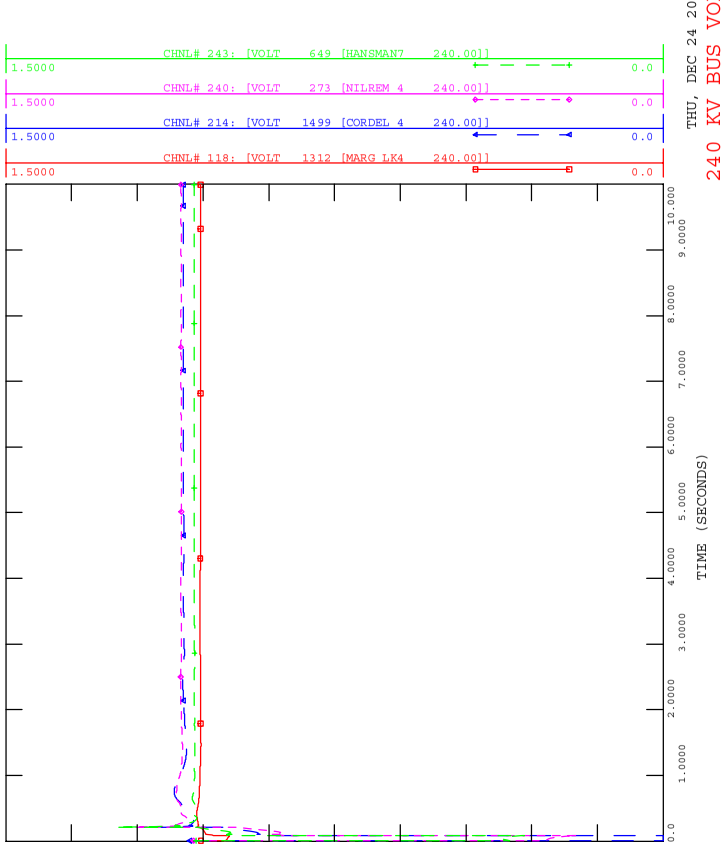


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

240 KV BUS VOLTAGES

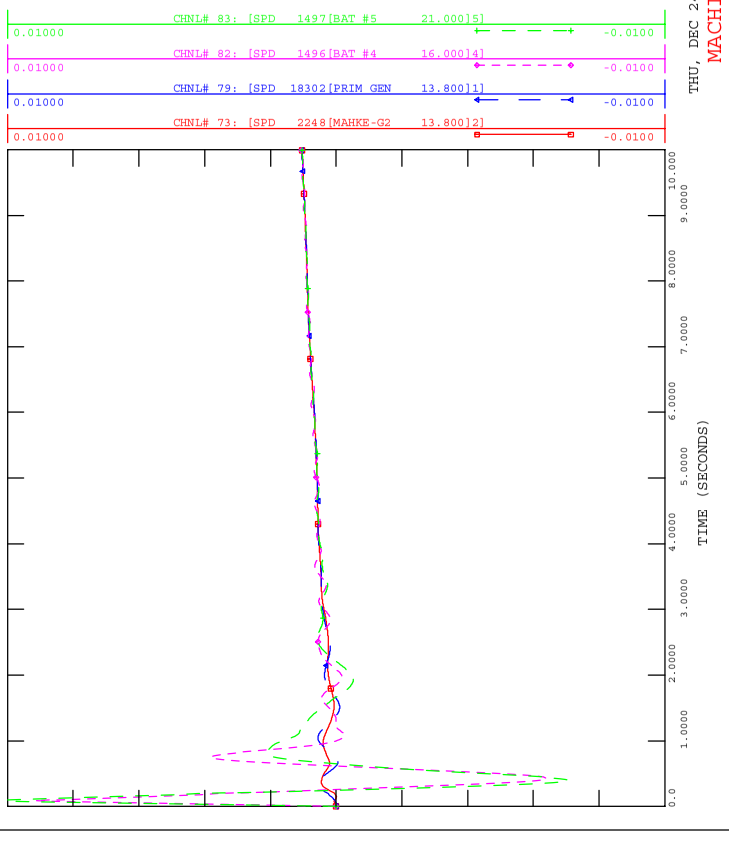


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MACHINE SPEED

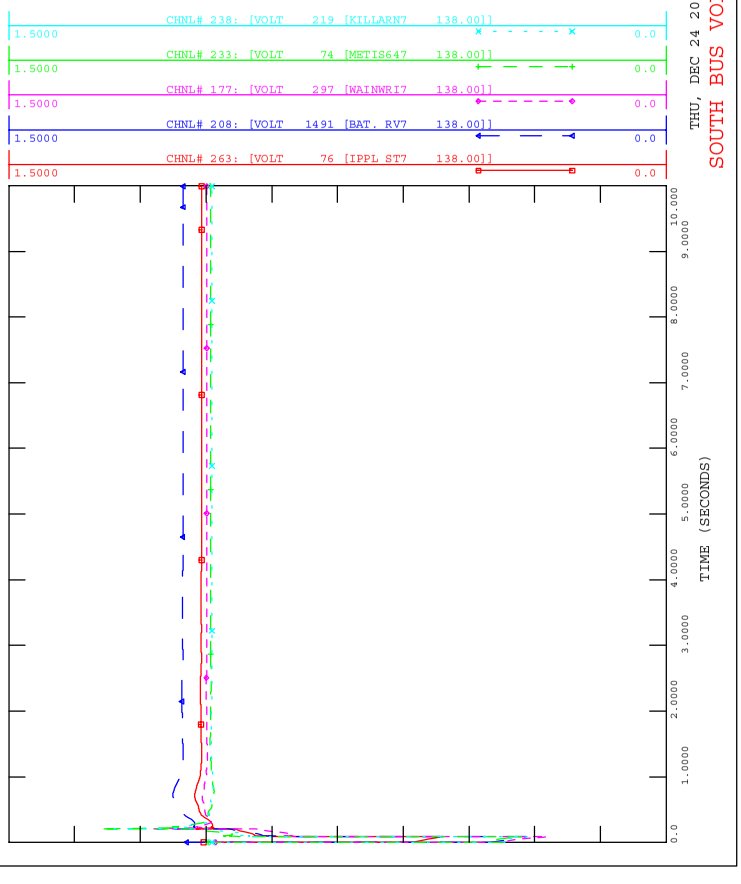


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

SOUTH BUS VOLTAGES



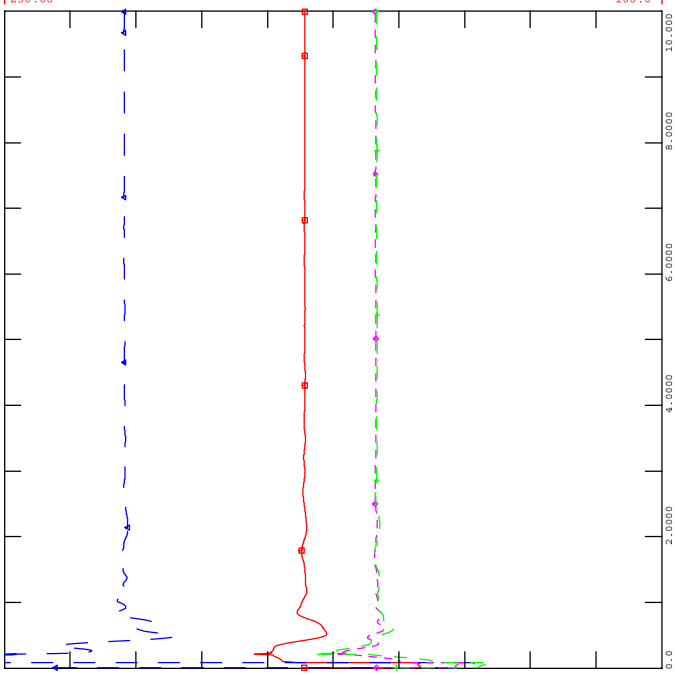
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

SOUTH LINES POWER FLOW

CHNL# 1181: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 890: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



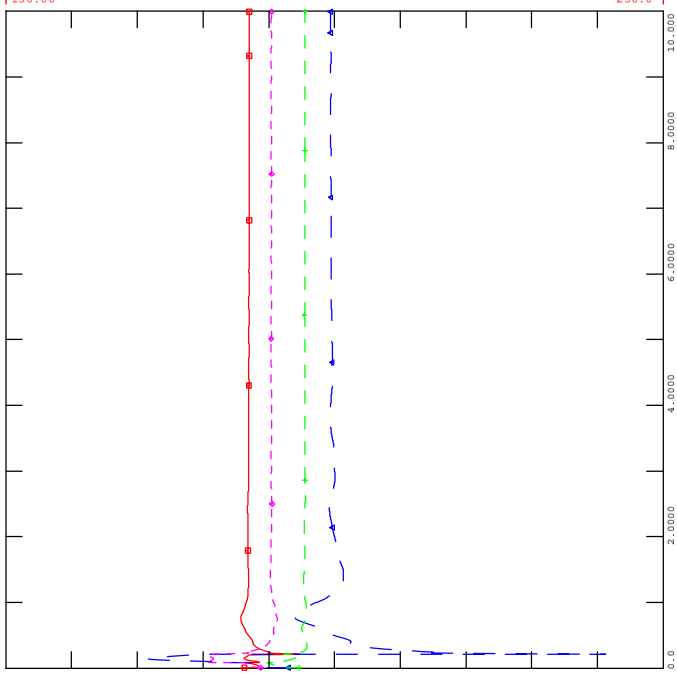
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

SOUTH LINES VAR FLOW

CHNL# 1182: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 891: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



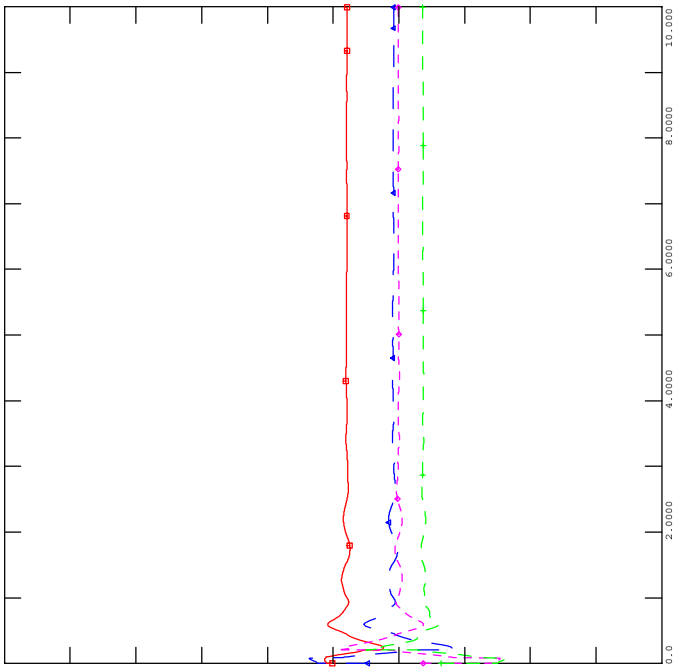
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1117: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 582: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



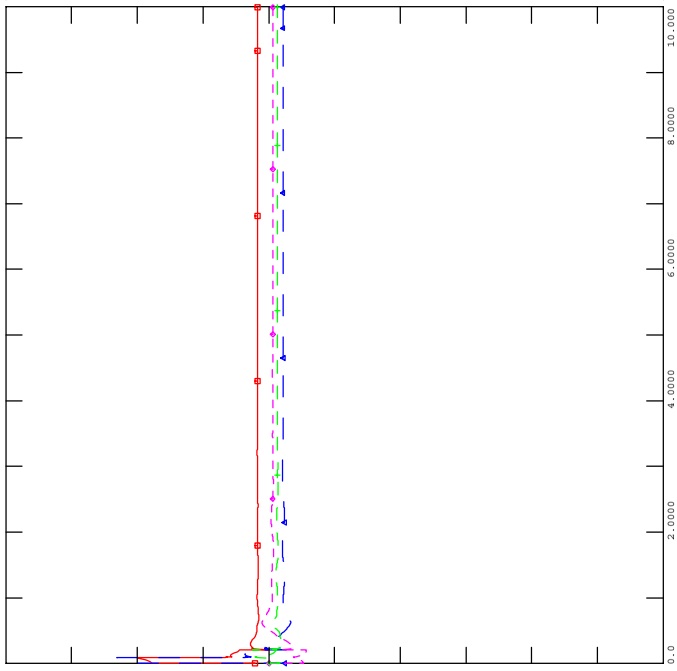
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 1118: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 583: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

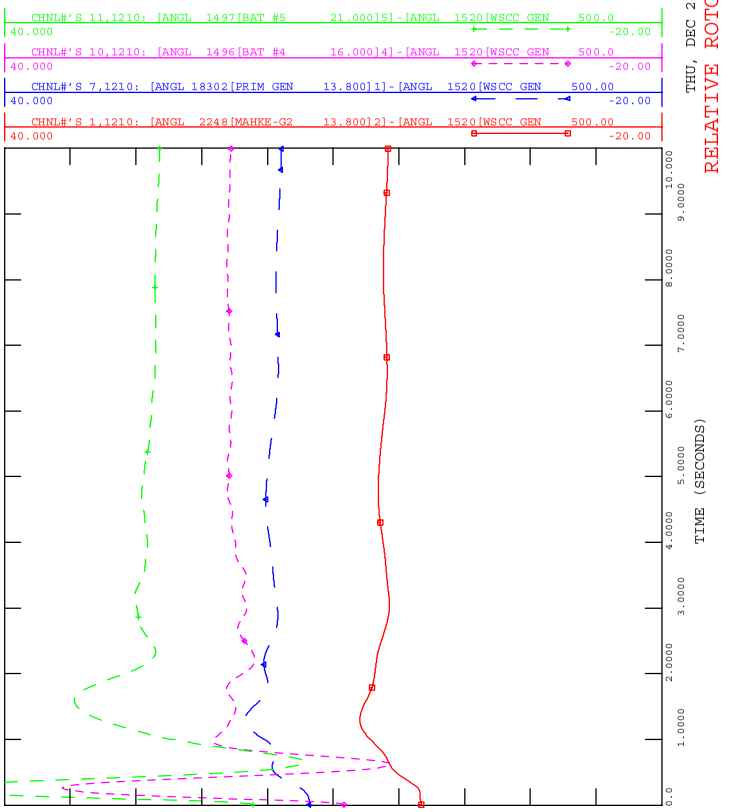


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

RELATIVE ROTOR ANGLES

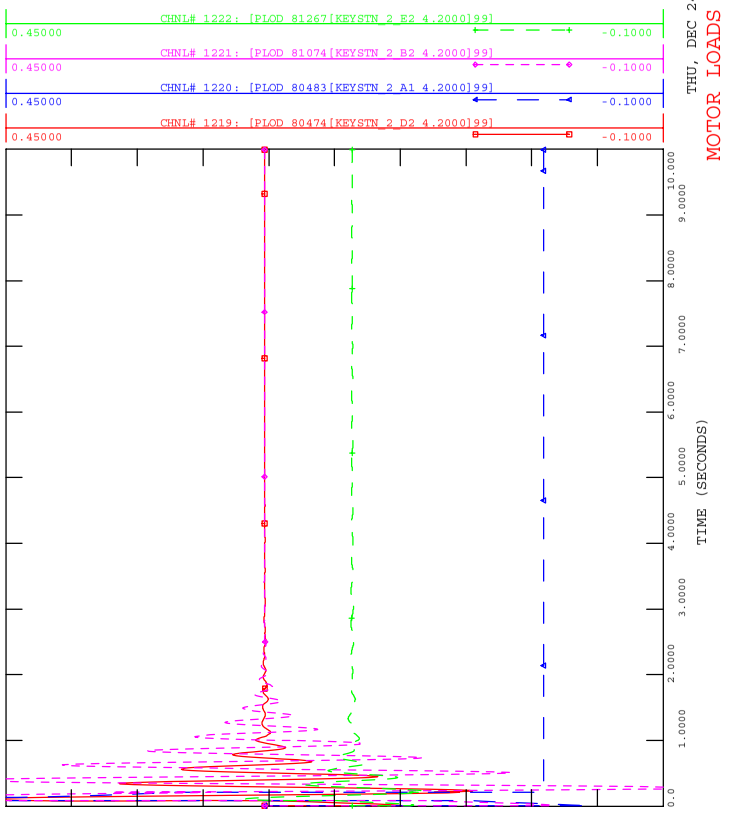


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP II

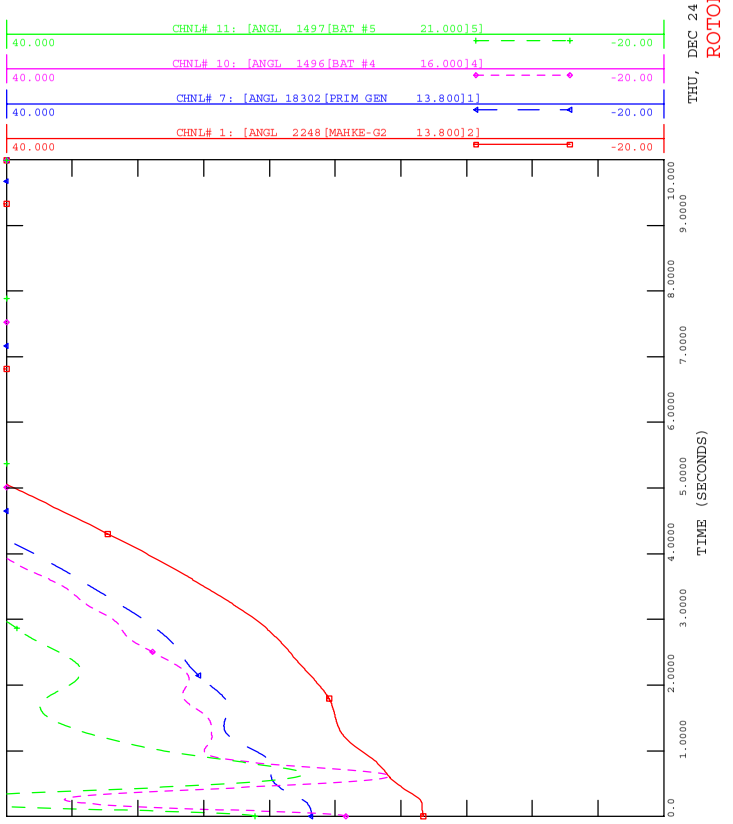


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

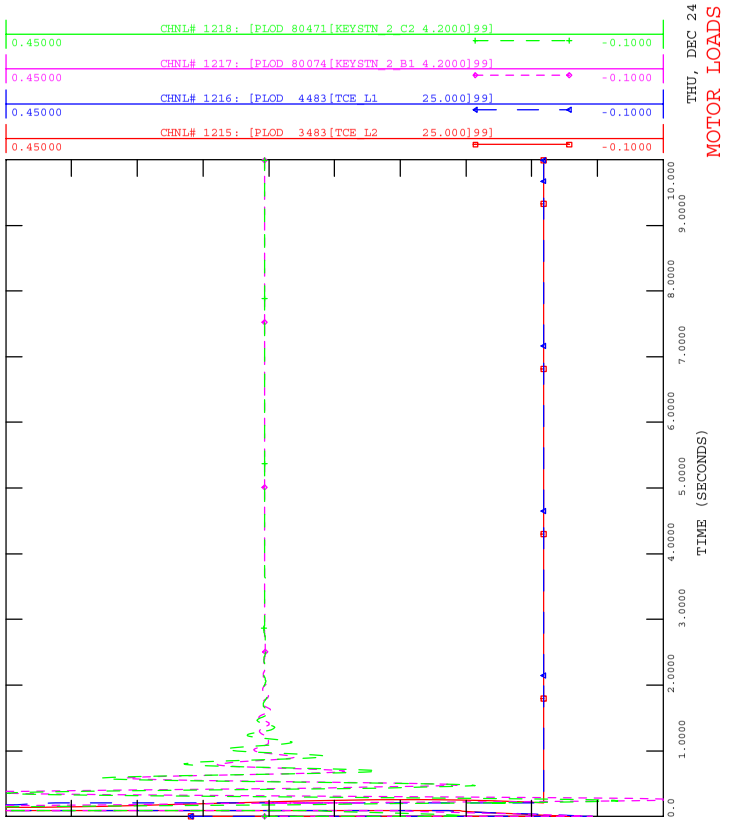


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP I

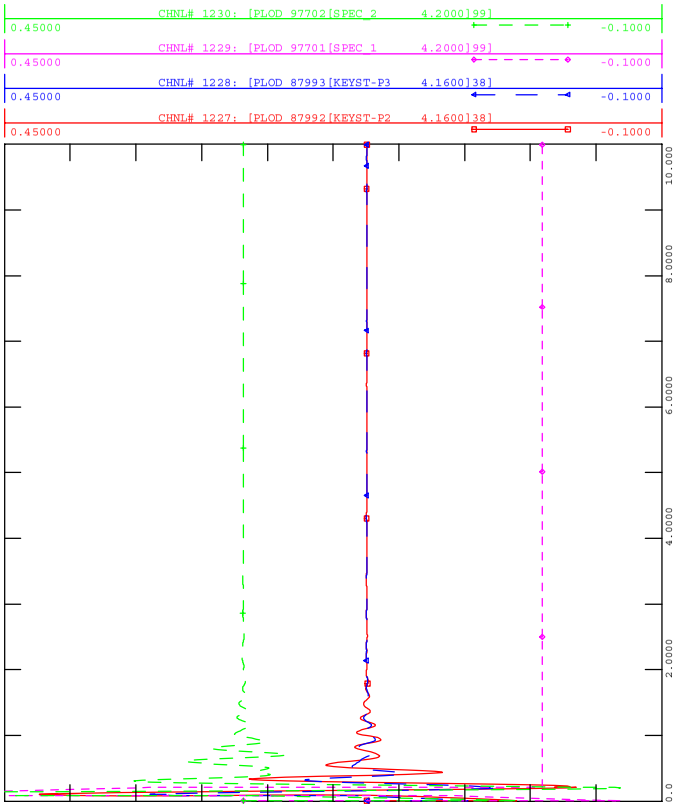


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP IV

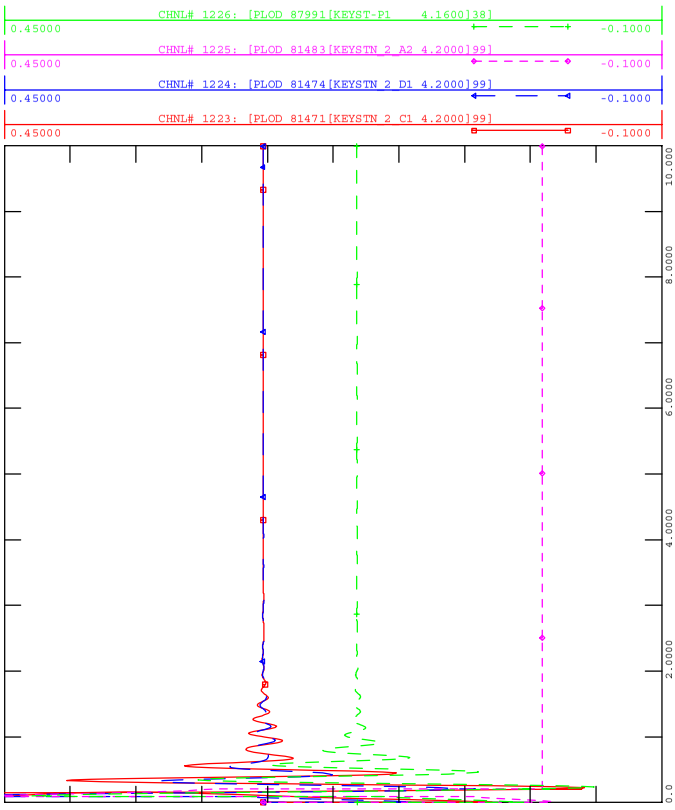


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B9fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP III

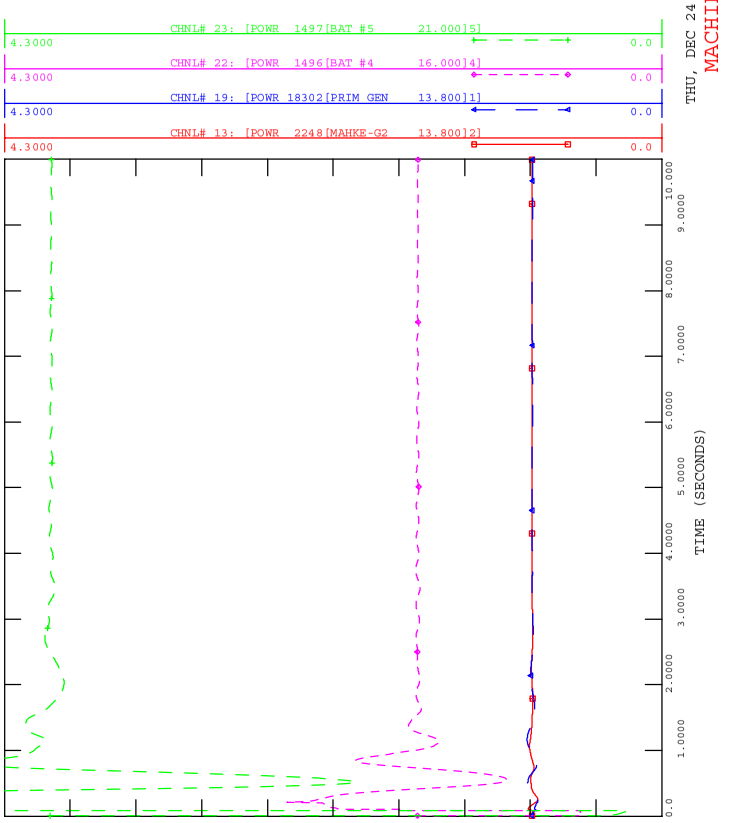


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MACHINE POWER

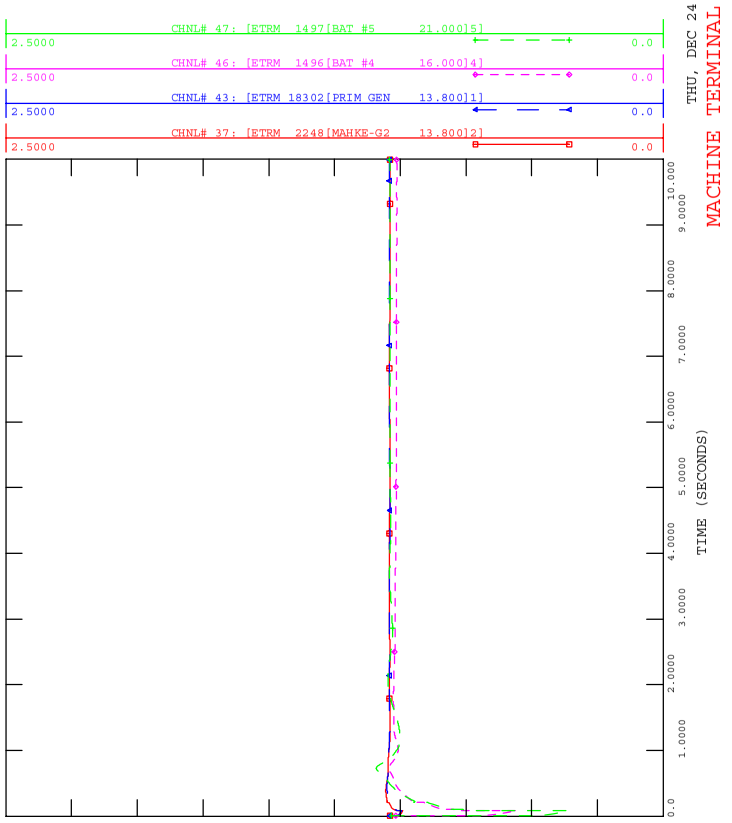


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MACHINE TERMINAL VOLTAGE

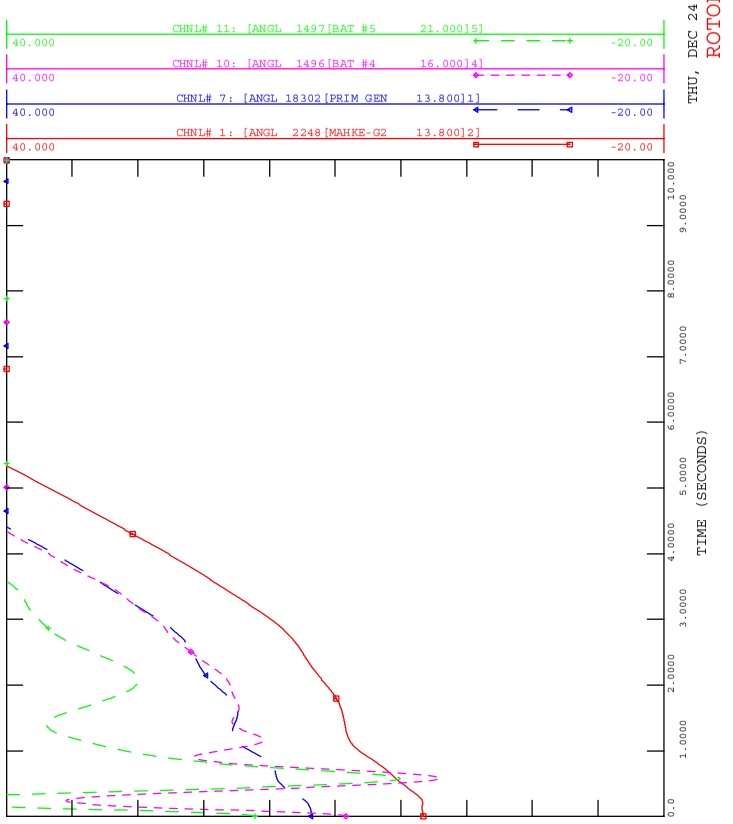


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

ROTOR ANGLES

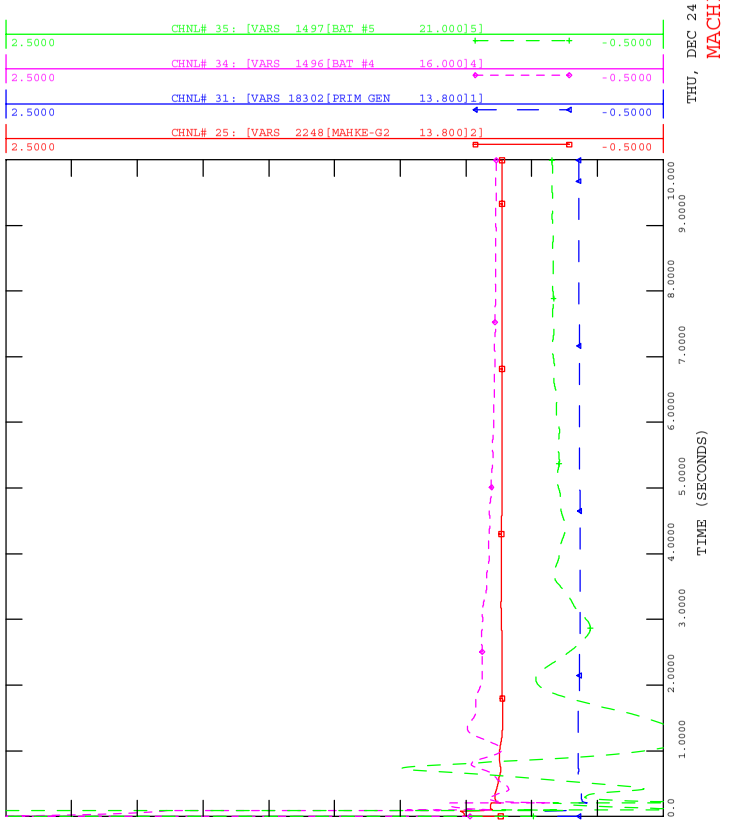


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MACHINE VARS

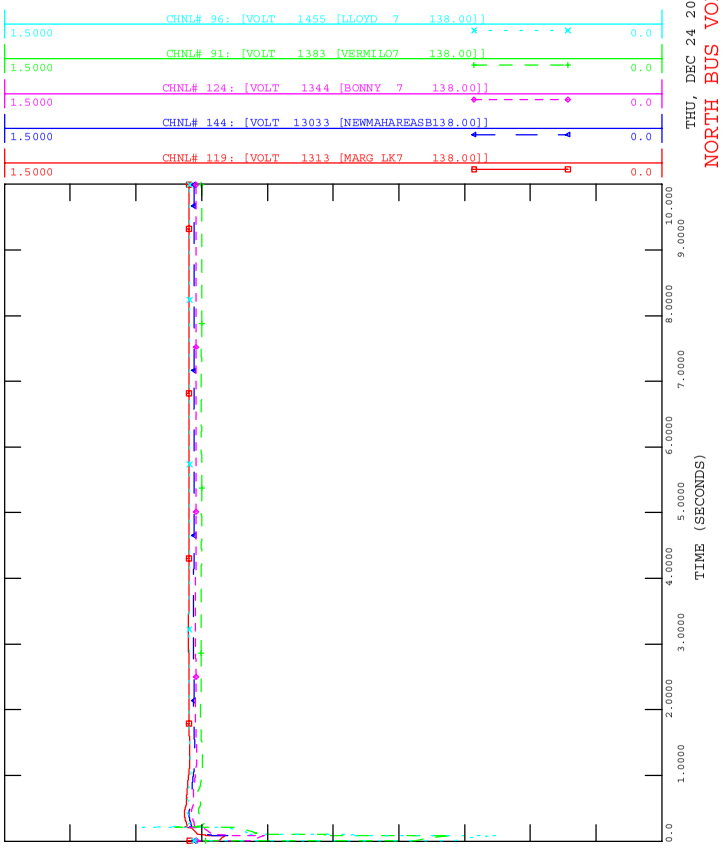


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

NORTH BUS VOLTAGES

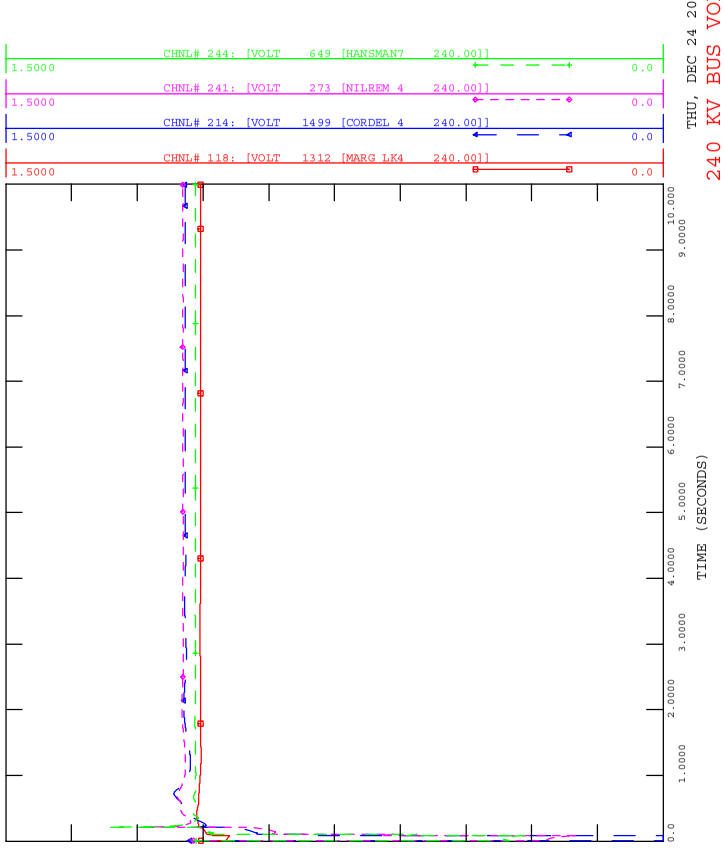


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

240 KV BUS VOLTAGES

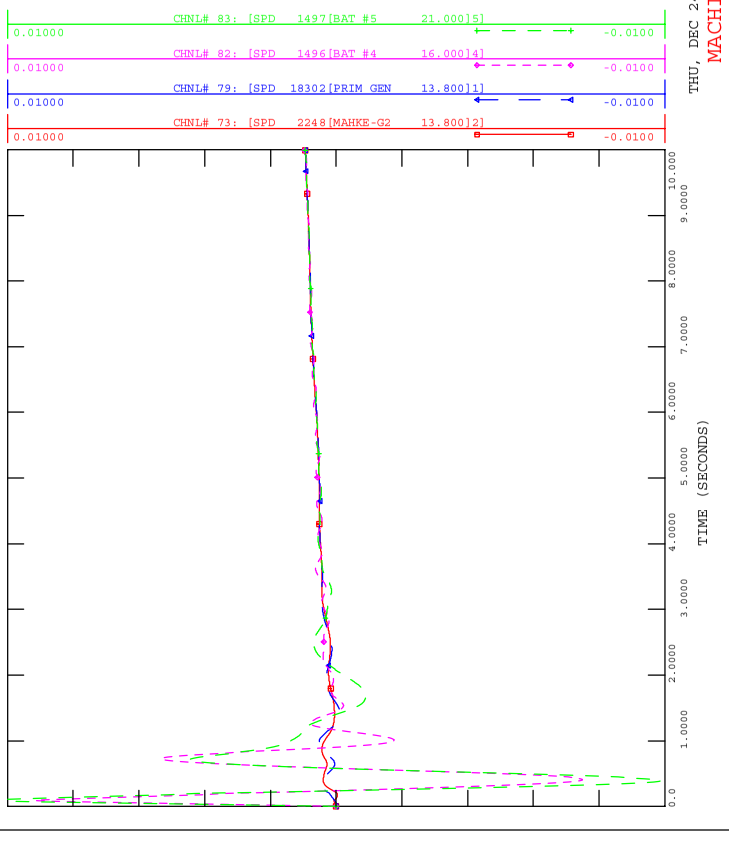


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MACHINE SPEED

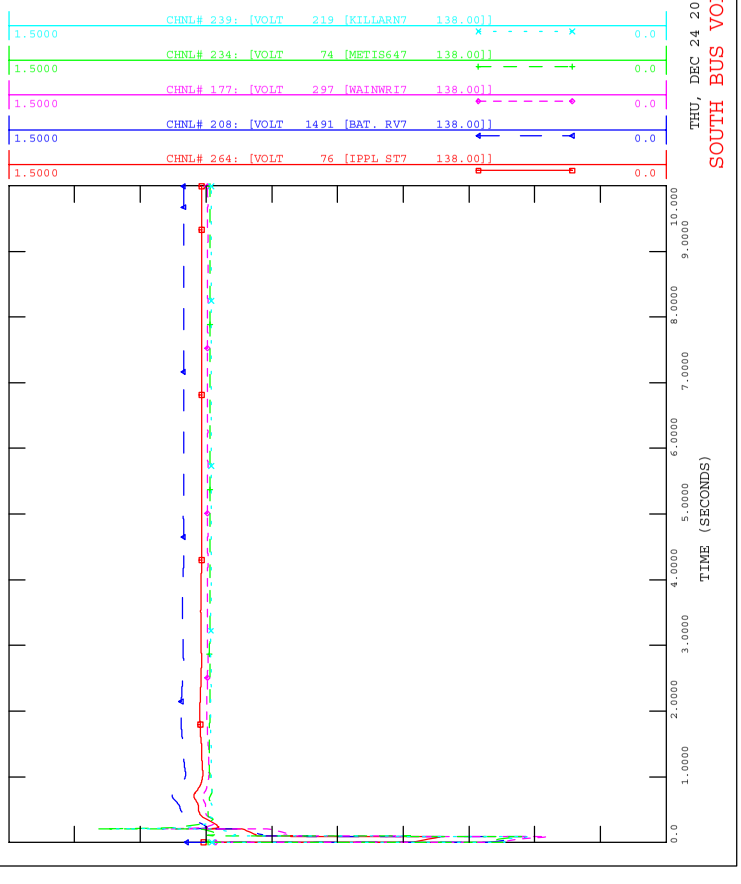


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

SOUTH BUS VOLTAGES

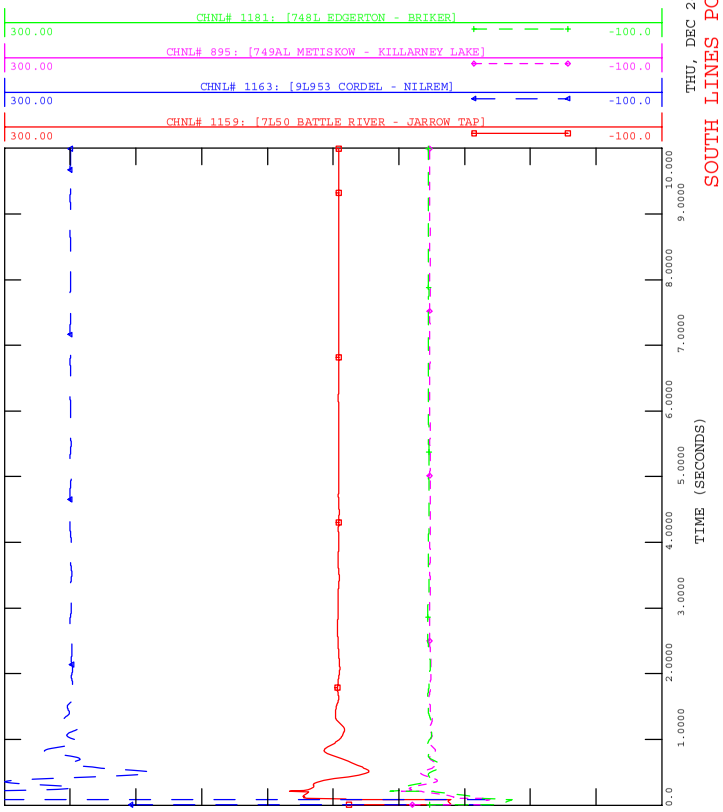


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

SOUTH LINES POWER FLOW

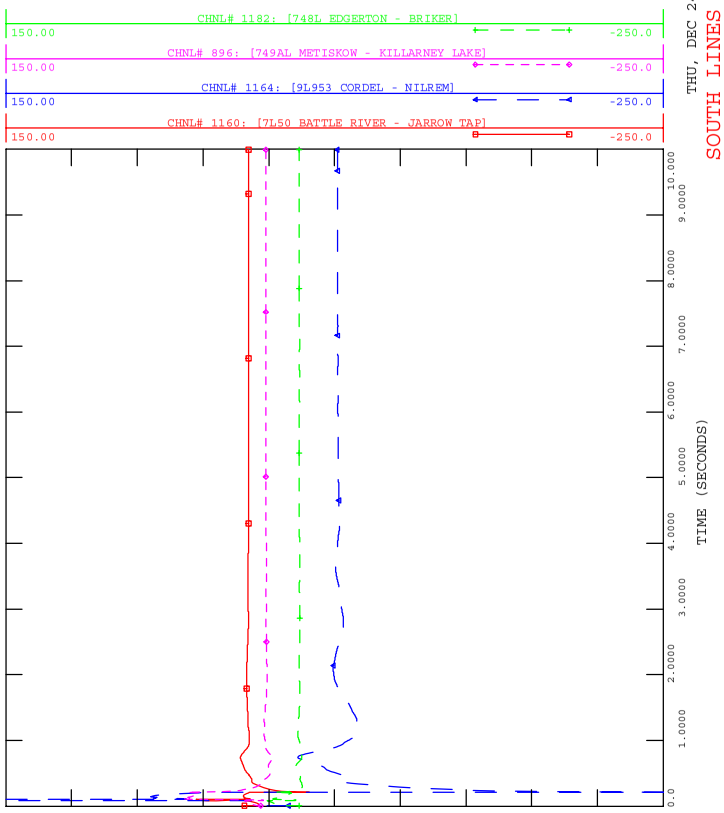


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

SOUTH LINES VAR FLOW

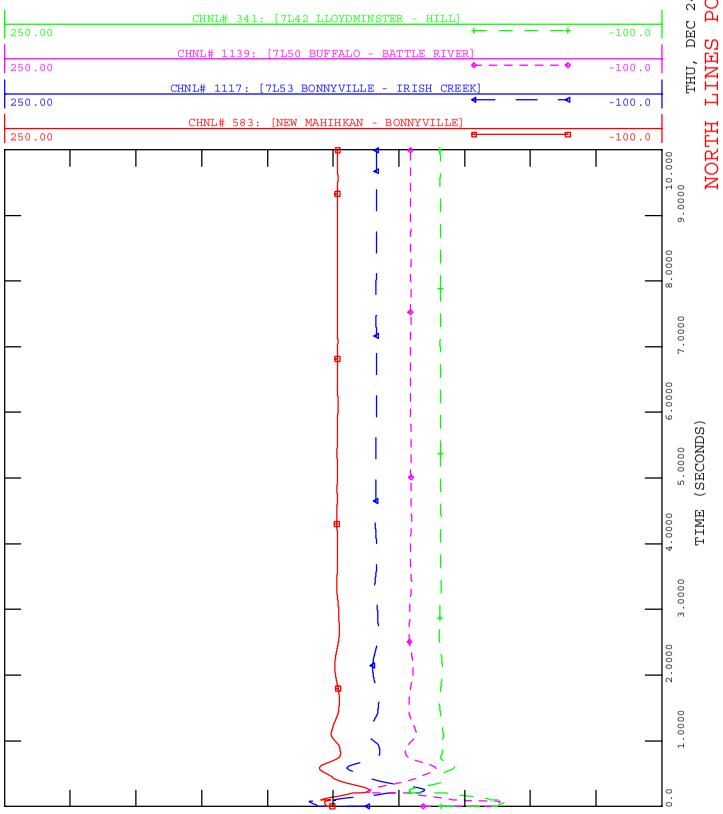


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

NORTH LINES POWER FLOW

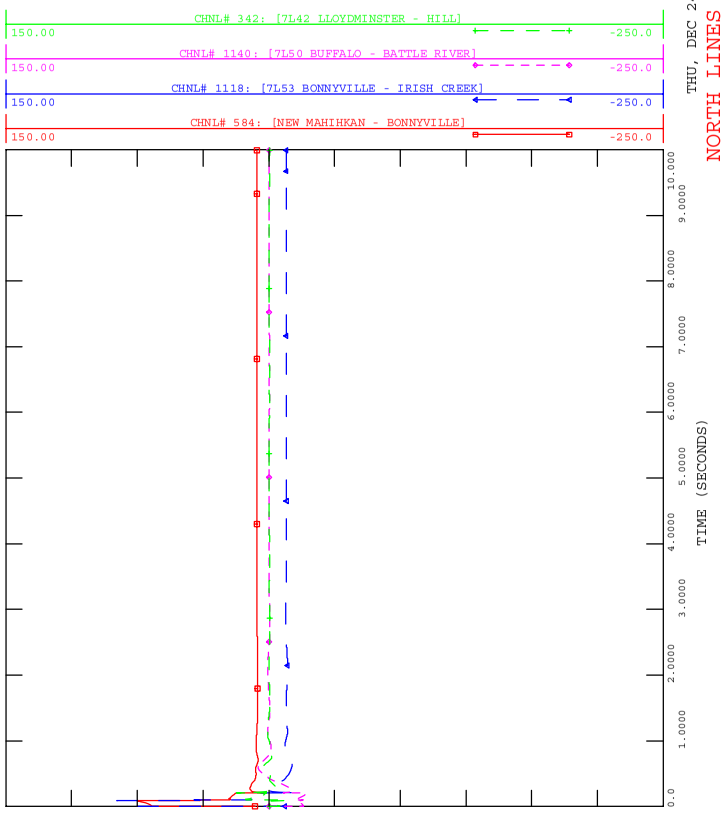


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

NORTH LINES VAR FLOW

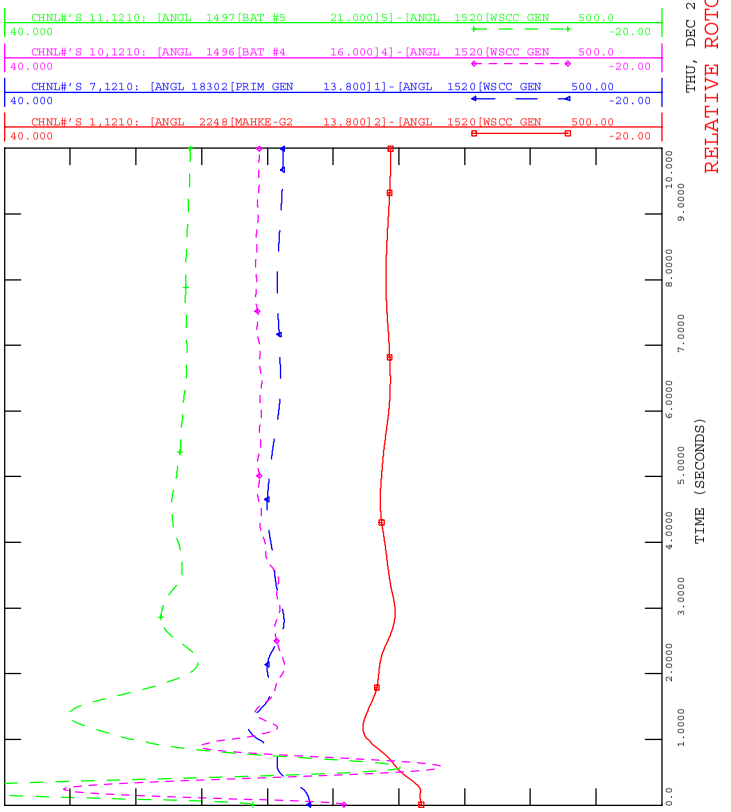


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

RELATIVE ROTOR ANGLES

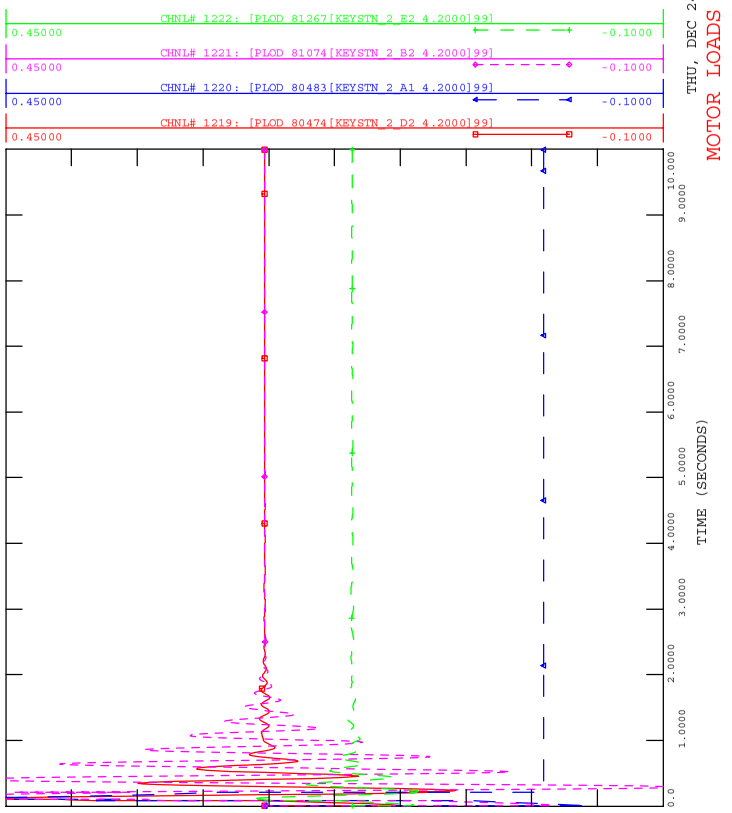


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MOTOR LOADS GROUP II

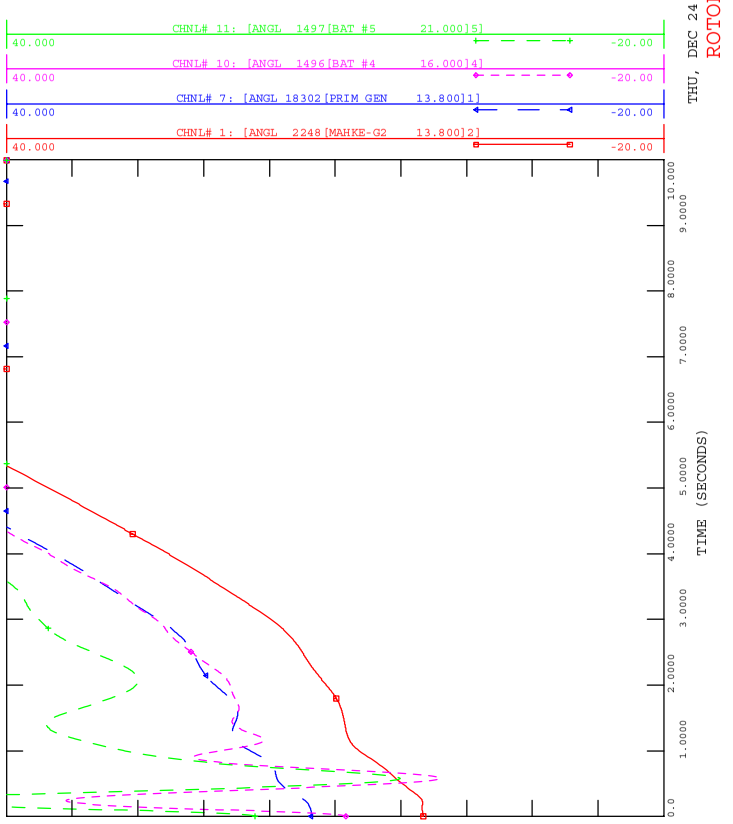


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

ROTOR ANGLES

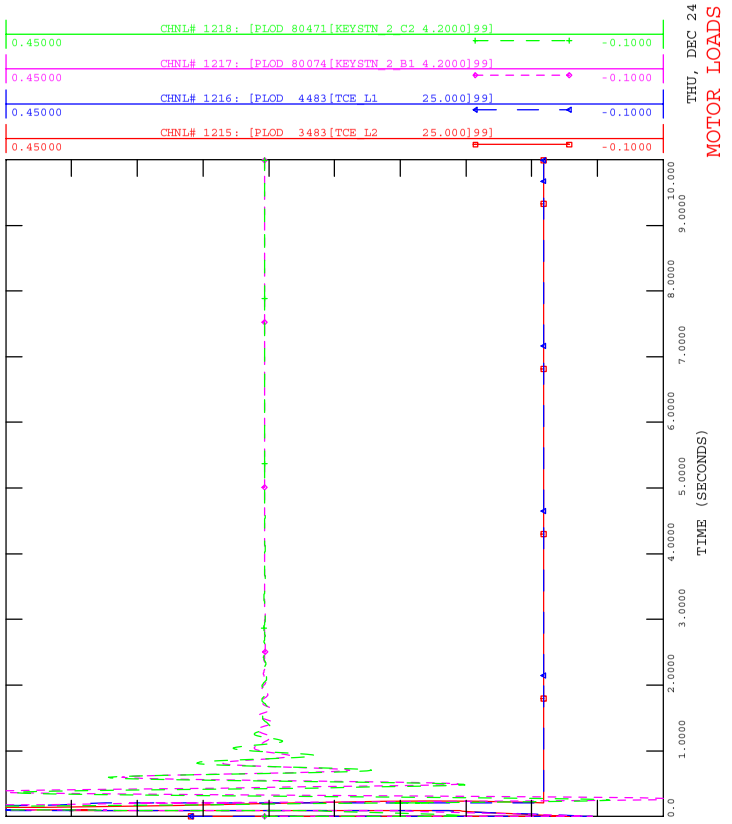


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MOTOR LOADS GROUP I

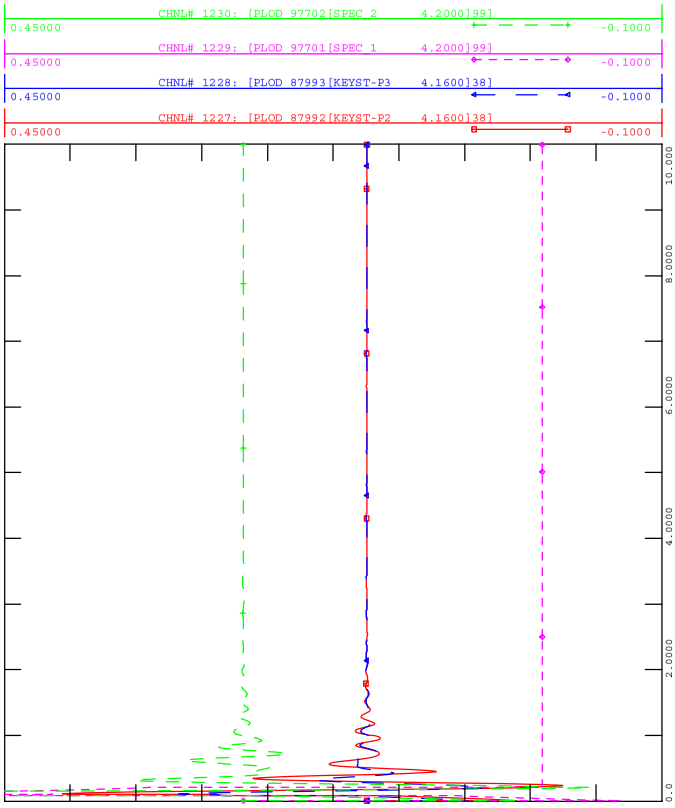


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MOTOR LOADS GROUP IV

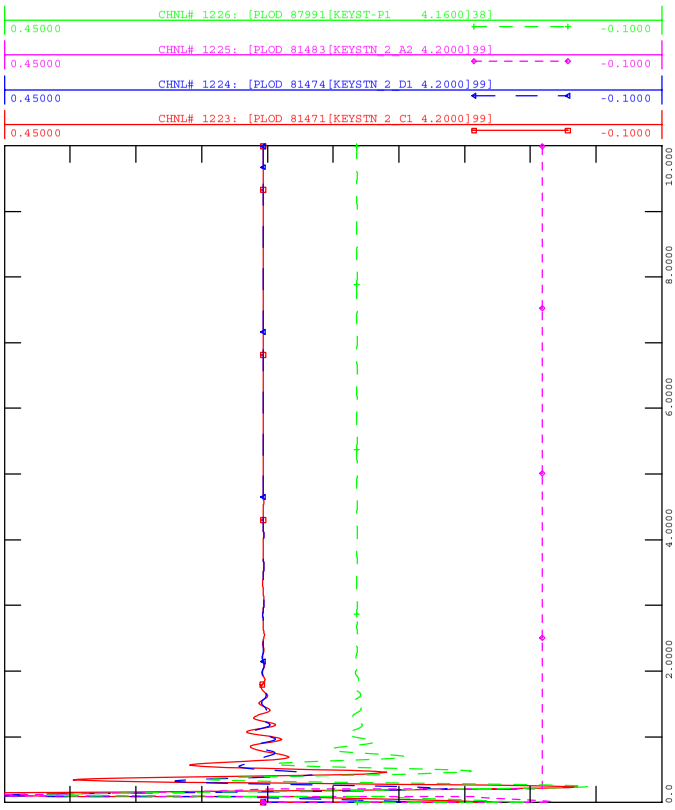


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B10fault.out

THU, DEC 24 2009 9:04

MOTOR LOADS GROUP III

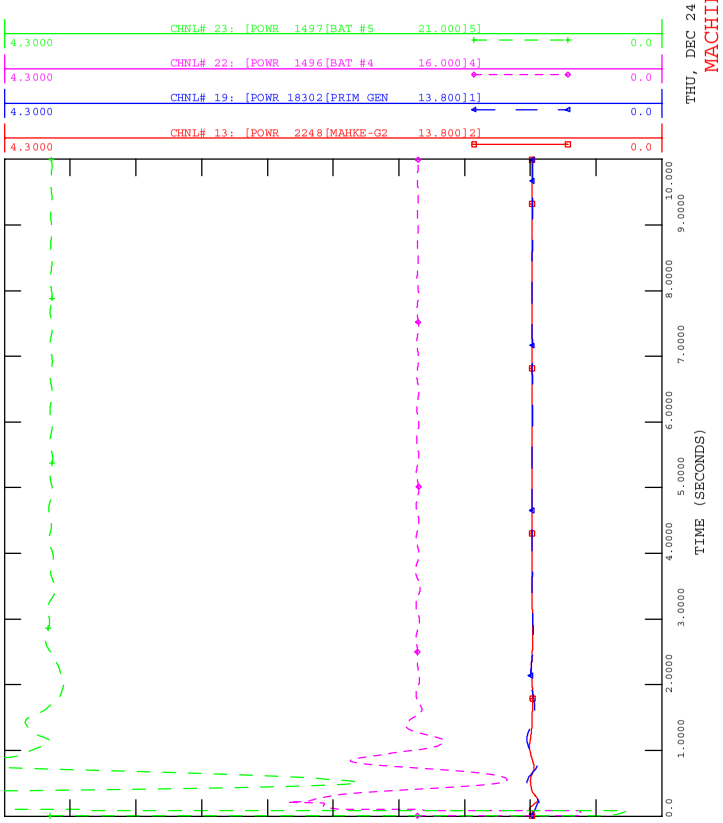


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MACHINE POWER

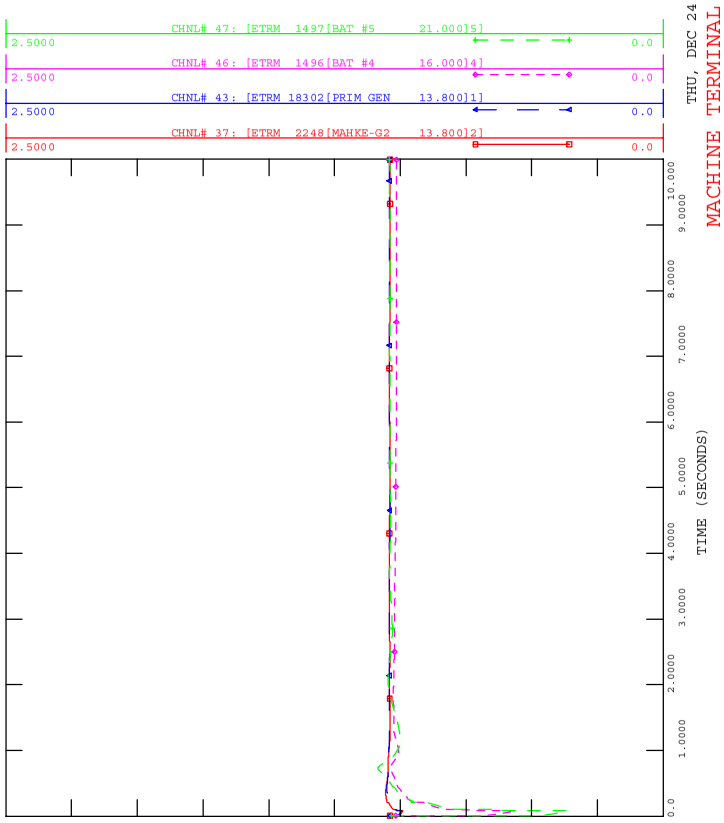


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MACHINE TERMINAL VOLTAGE

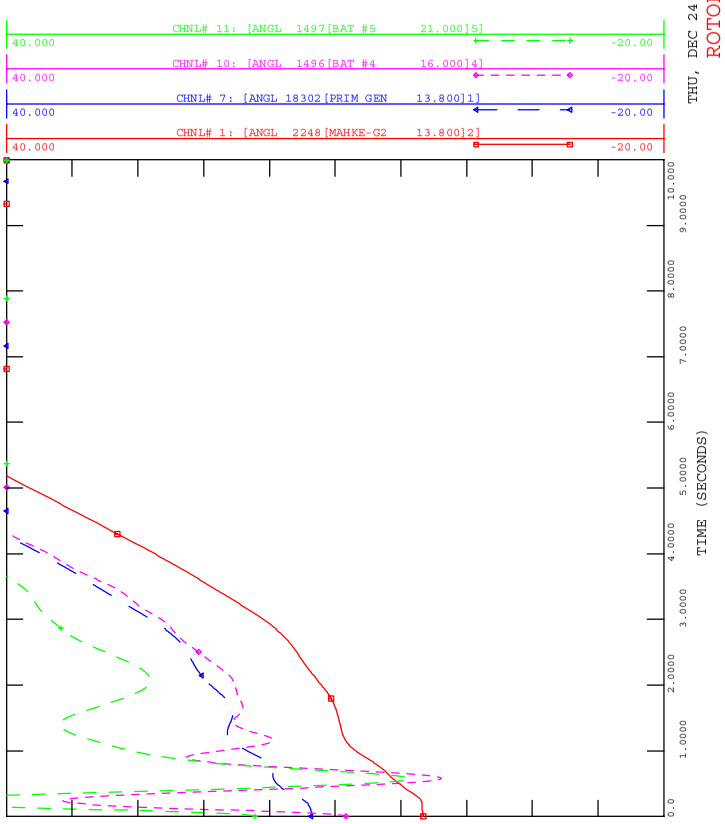


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

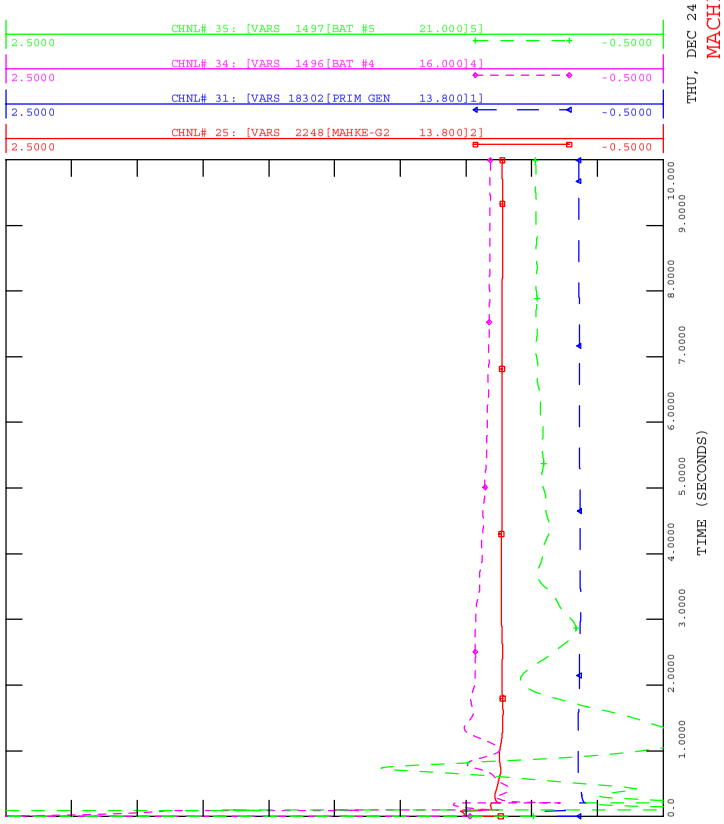


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MACHINE VARS

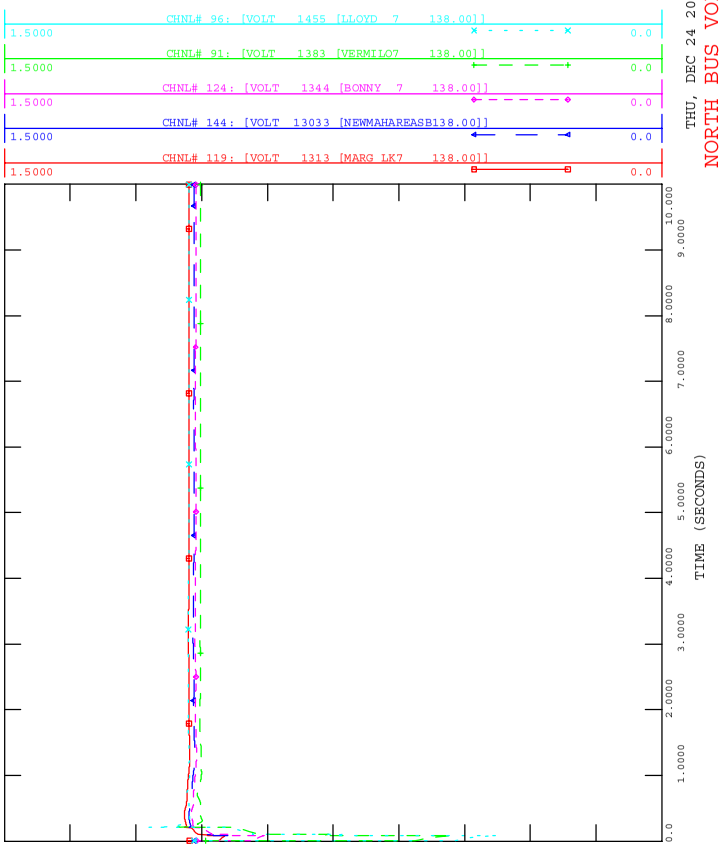


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

NORTH BUS VOLTAGES

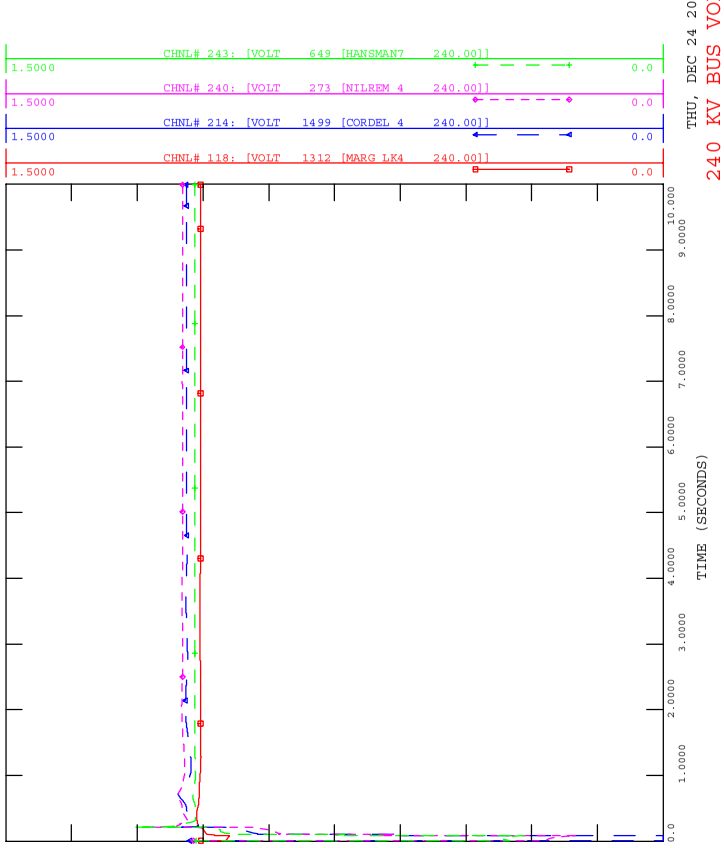


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

240 KV BUS VOLTAGES

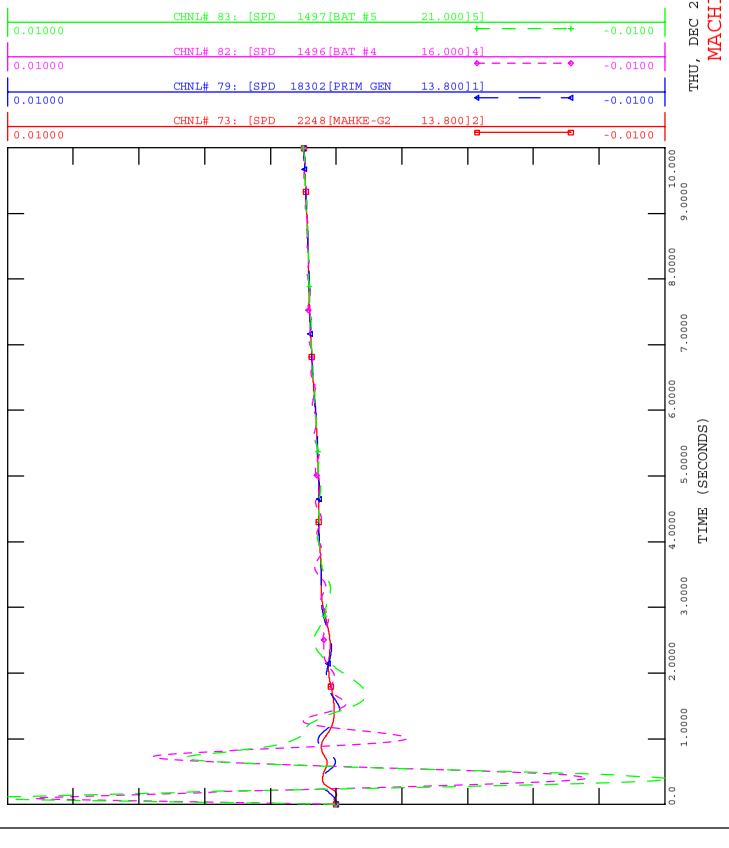


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MACHINE SPEED

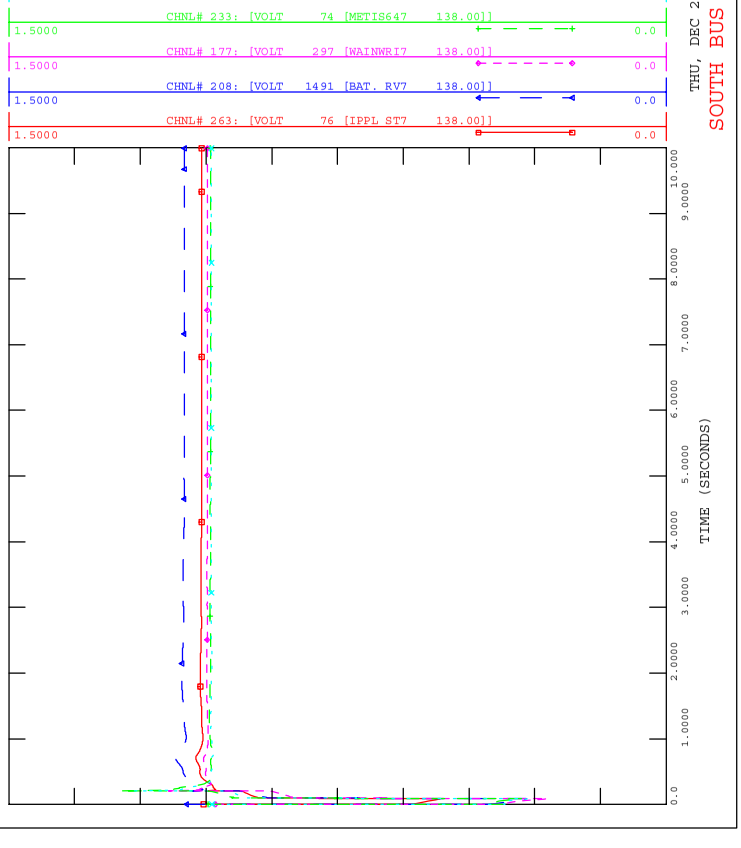


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

SOUTH LINES POWER FLOW

CHNL# 1181: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 890: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1163: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1159: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

SOUTH LINES VAR FLOW

CHNL# 1182: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 891: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1164: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1160: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1139: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1117: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 582: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1140: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 1118: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 583: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

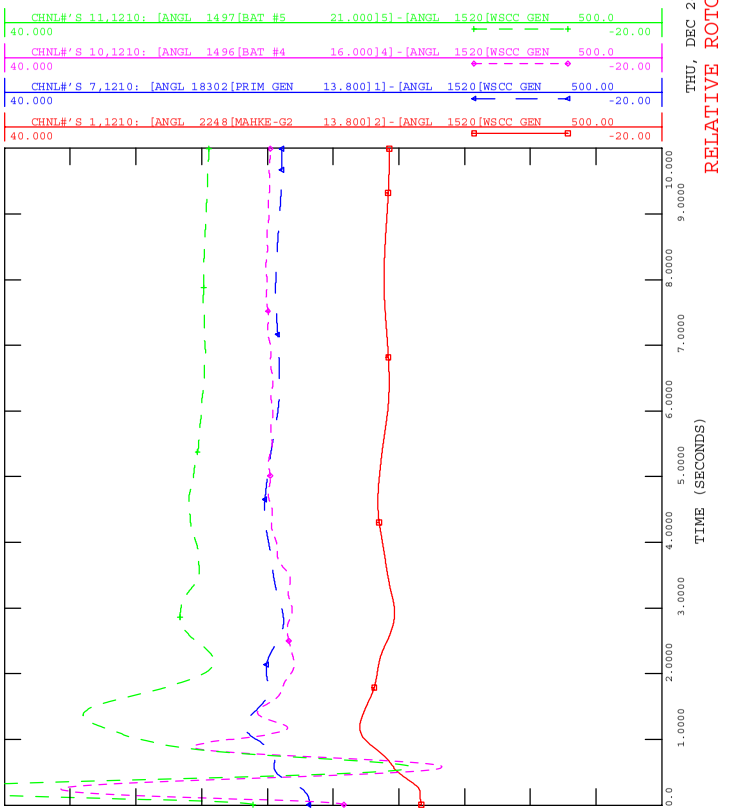
TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

RELATIVE ROTOR ANGLES

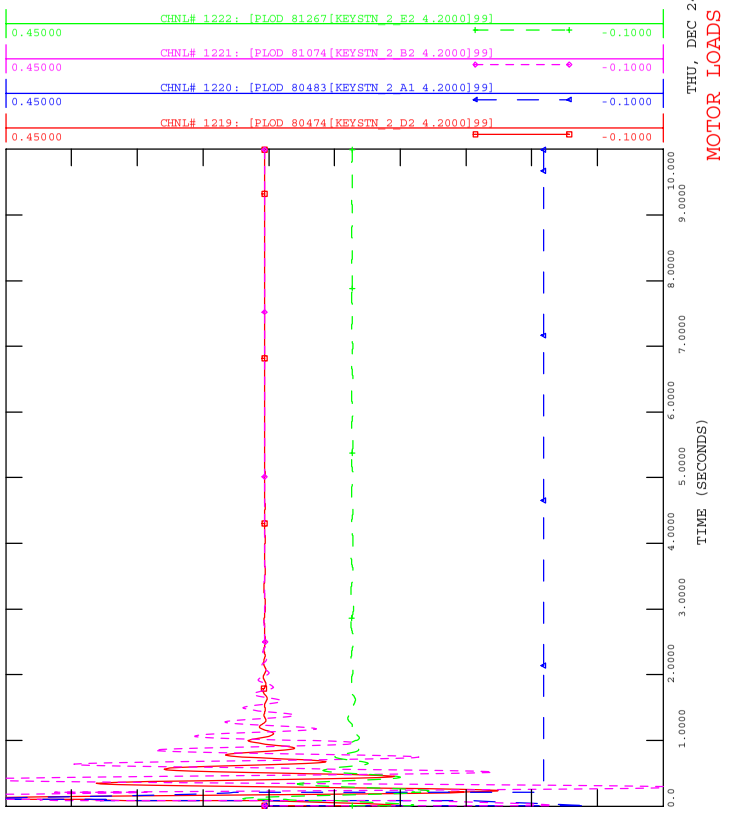


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP II

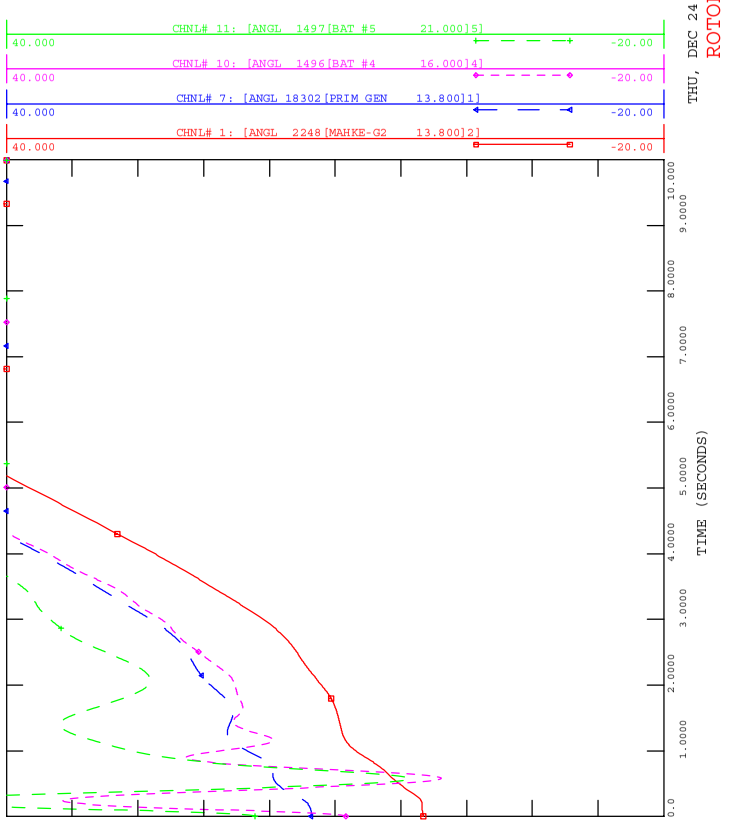


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

ROTOR ANGLES

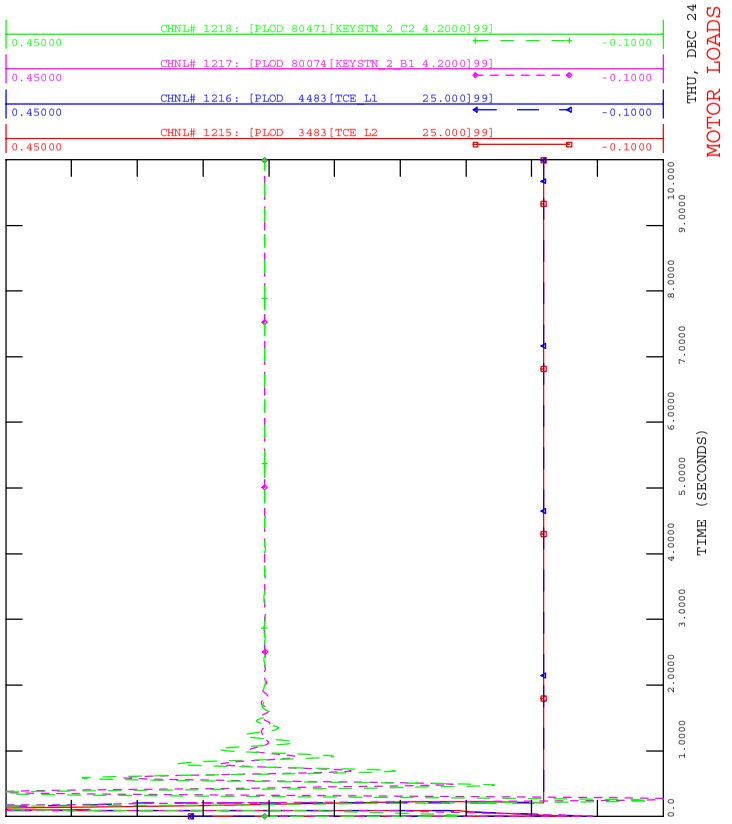


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP I

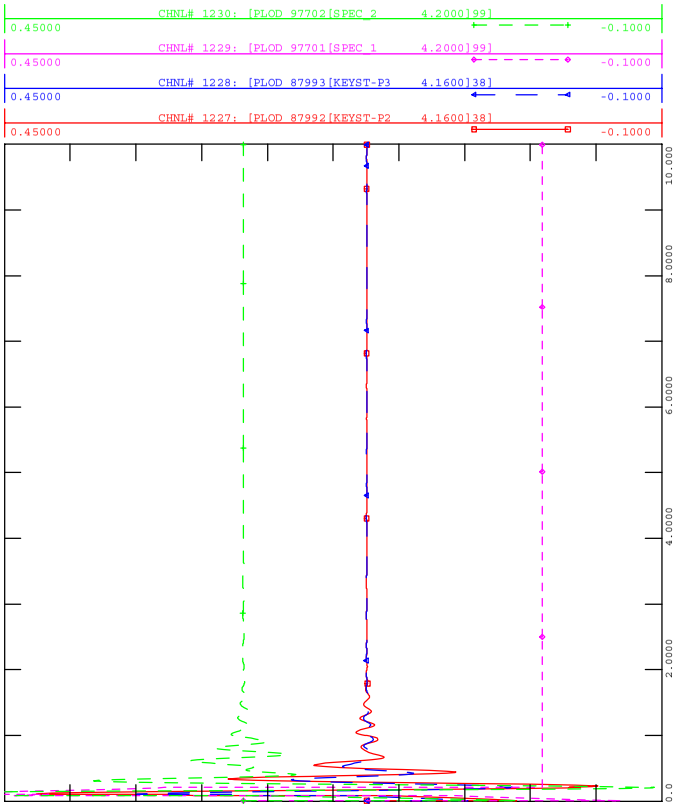


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP IV

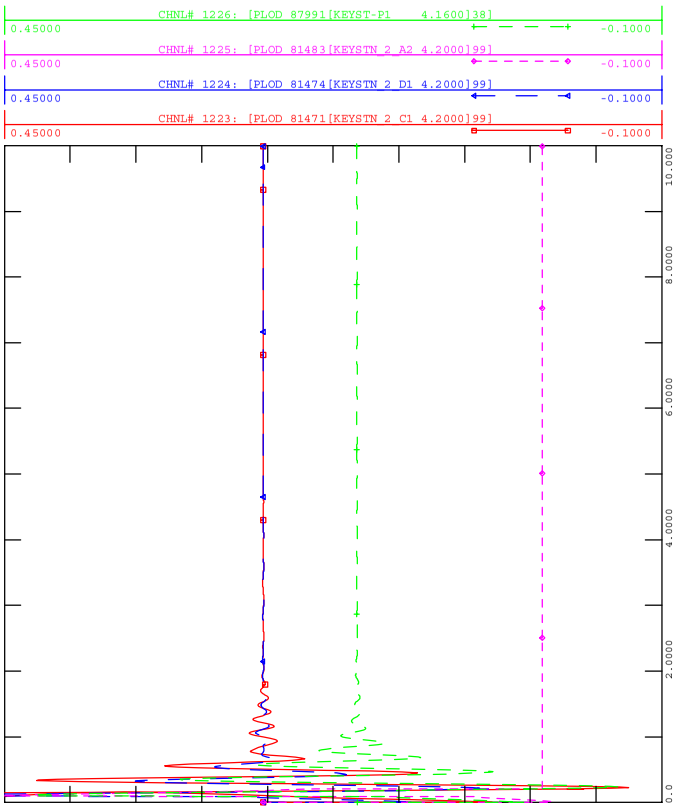


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: B11fault.out

THU, DEC 24 2009 8:08

MOTOR LOADS GROUP III



Dynamic Stability Plots

2017 Winter Peak

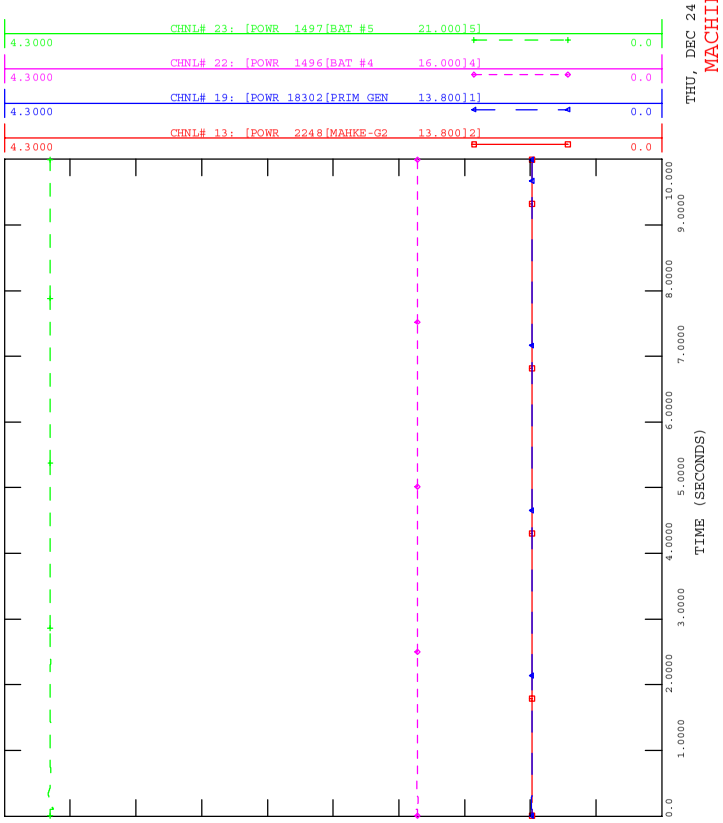
Category C Contingencies

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

MACHINE POWER

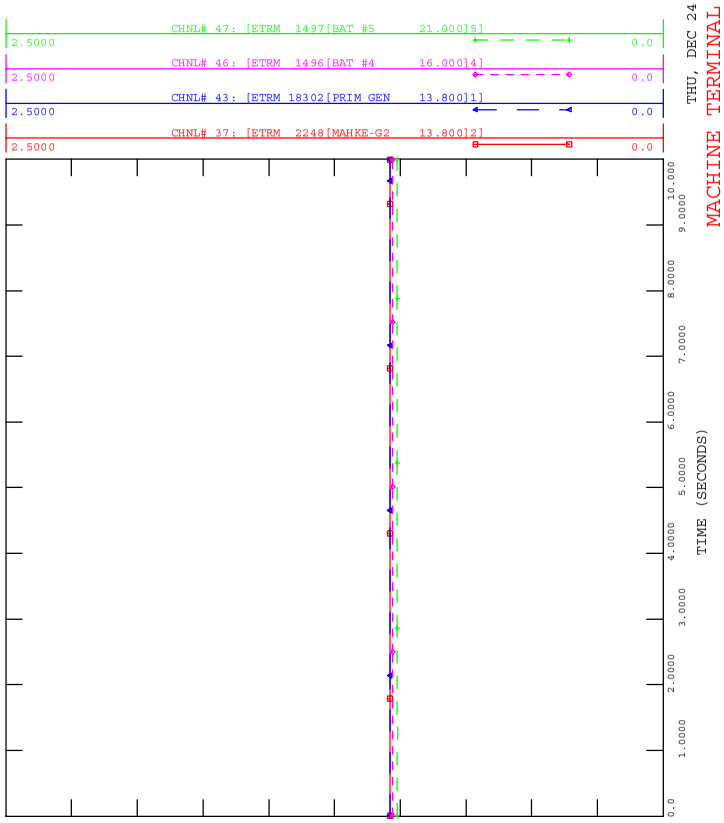


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

MACHINE TERMINAL VOLTAGE

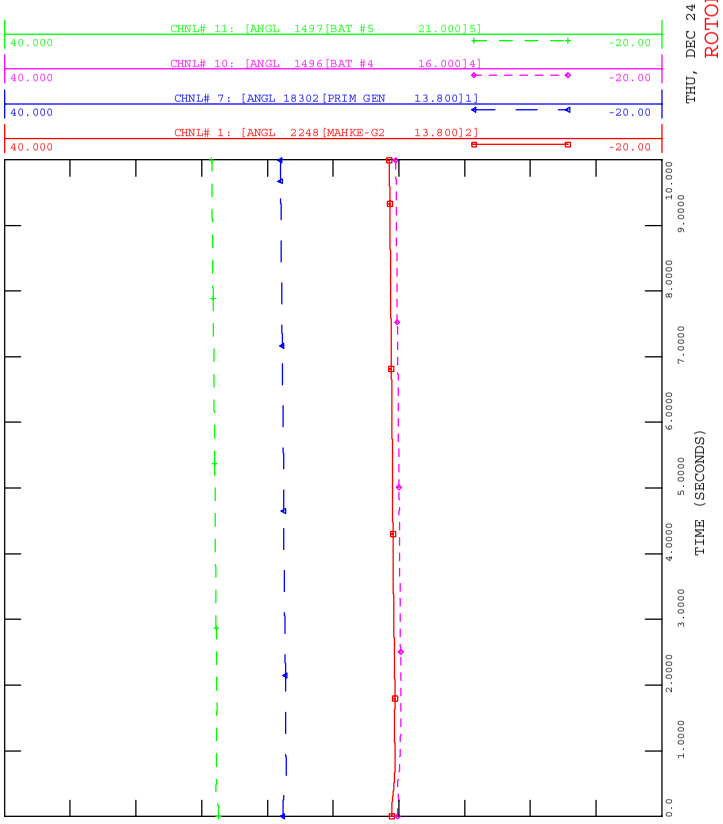


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

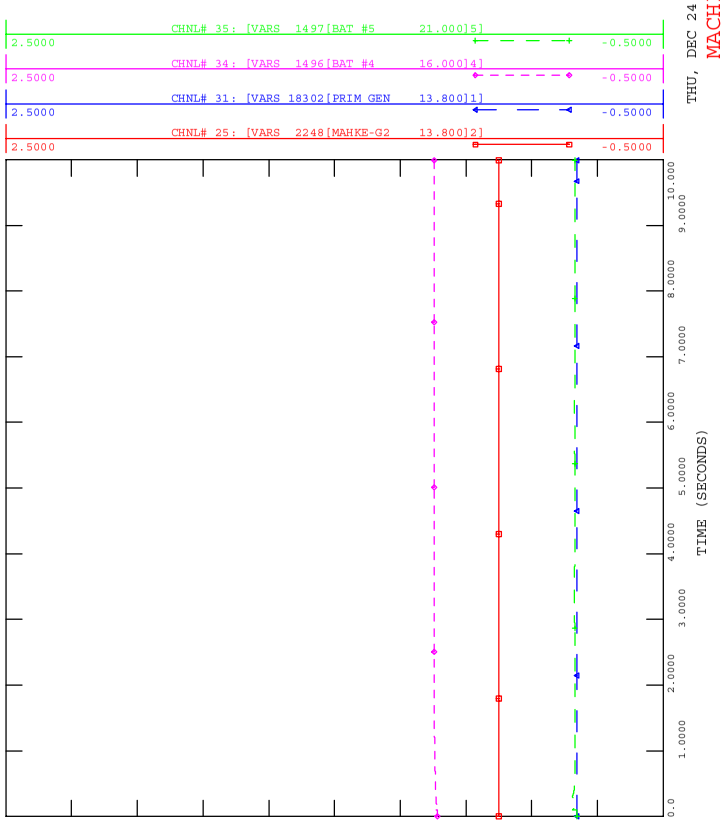


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

MACHINE VARS

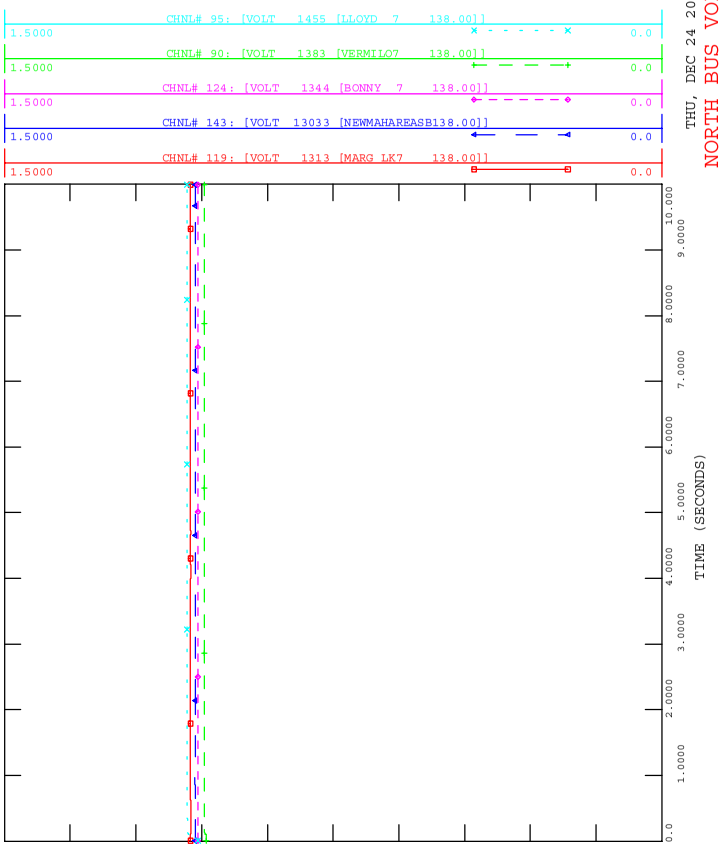


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

NORTH BUS VOLTAGES

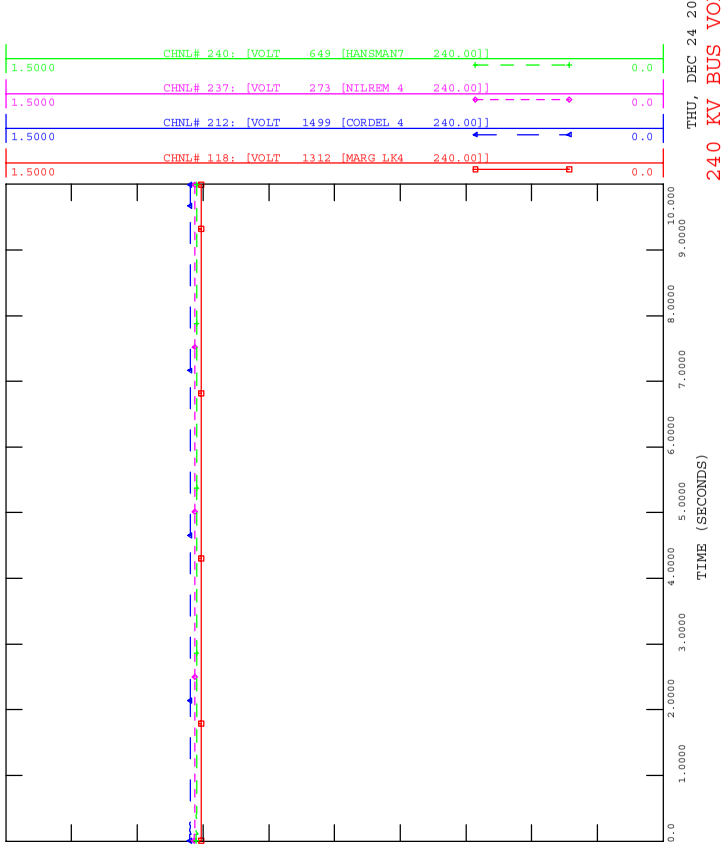


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

240 KV BUS VOLTAGES

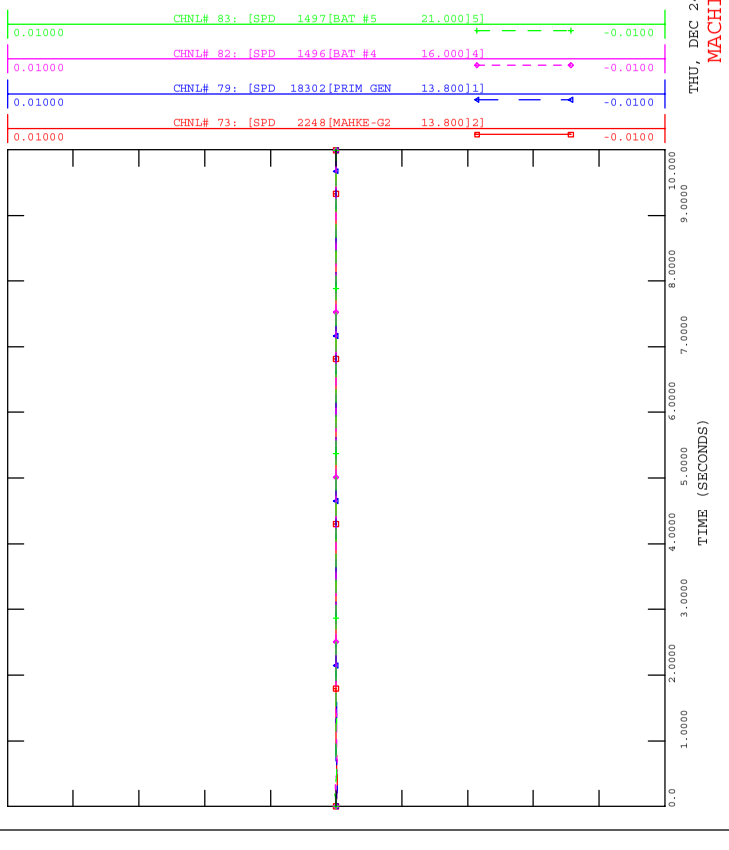


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

MACHINE SPEED

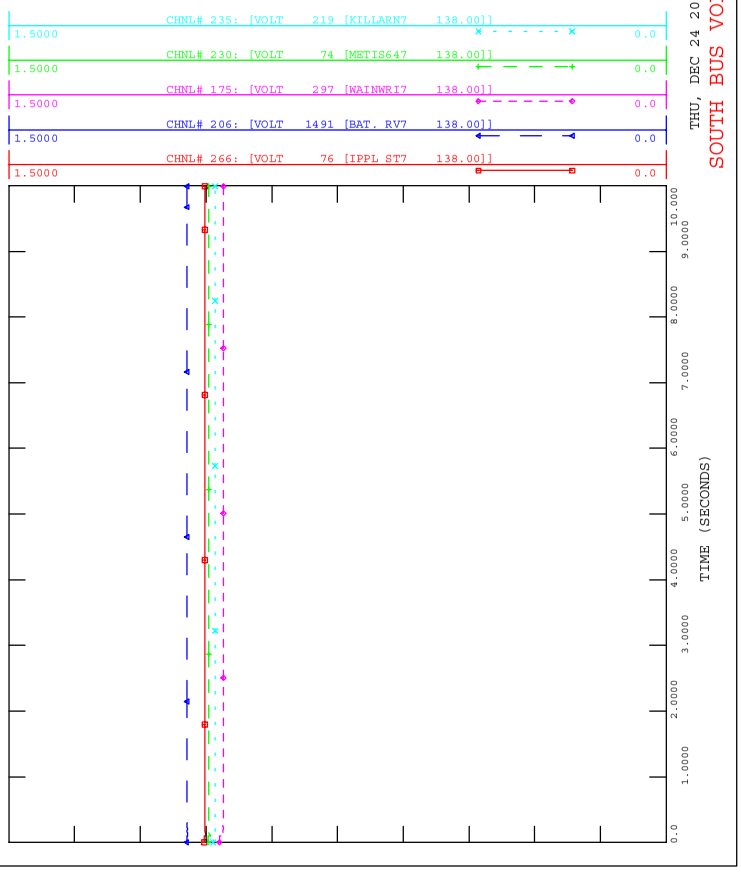


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

SOUTH LINES POWER FLOW

CHNL# 1181: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1155: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1151: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000
TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

SOUTH LINES VAR FLOW

CHNL# 1182: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 886: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1156: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1152: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000
TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

NORTH LINES POWER FLOW

CHNL# 337: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1105: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 583: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000
TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-1fault.out

THU, DEC 24 2009 8:09

NORTH LINES VAR FLOW

CHNL# 338: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1106: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 584: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

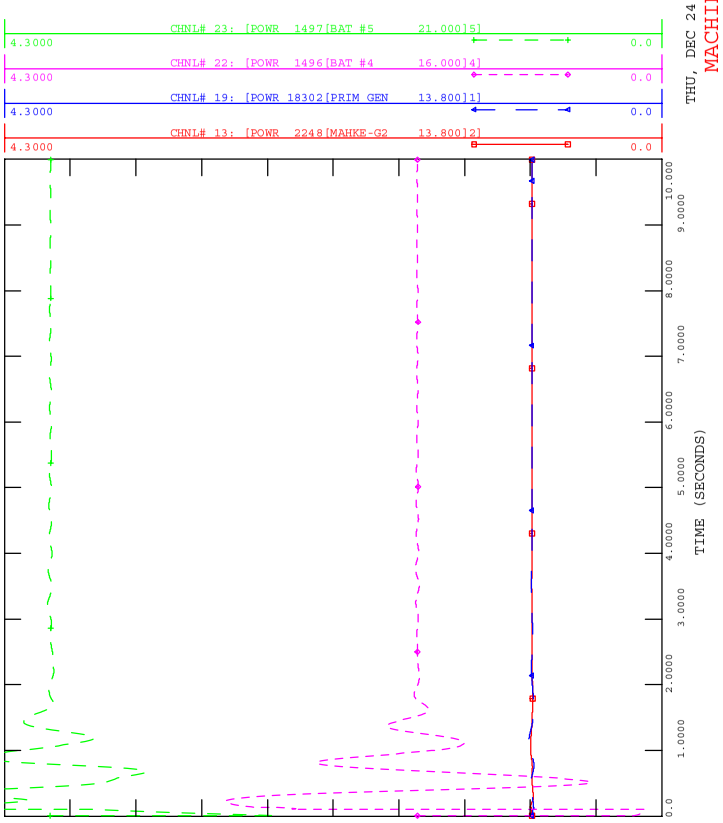
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000
TIME (SECONDS)

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MACHINE POWER

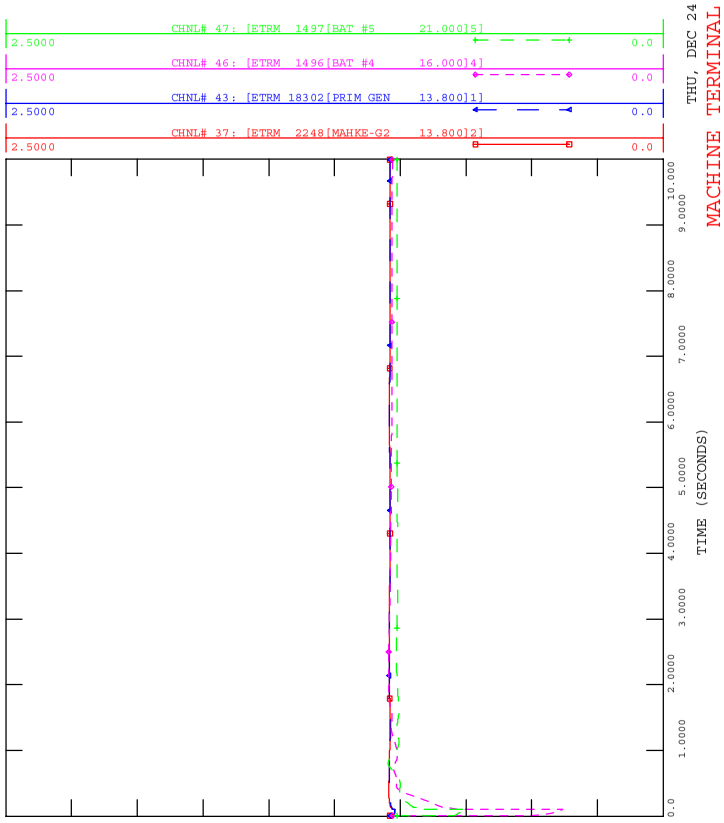


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MACHINE TERMINAL VOLTAGE

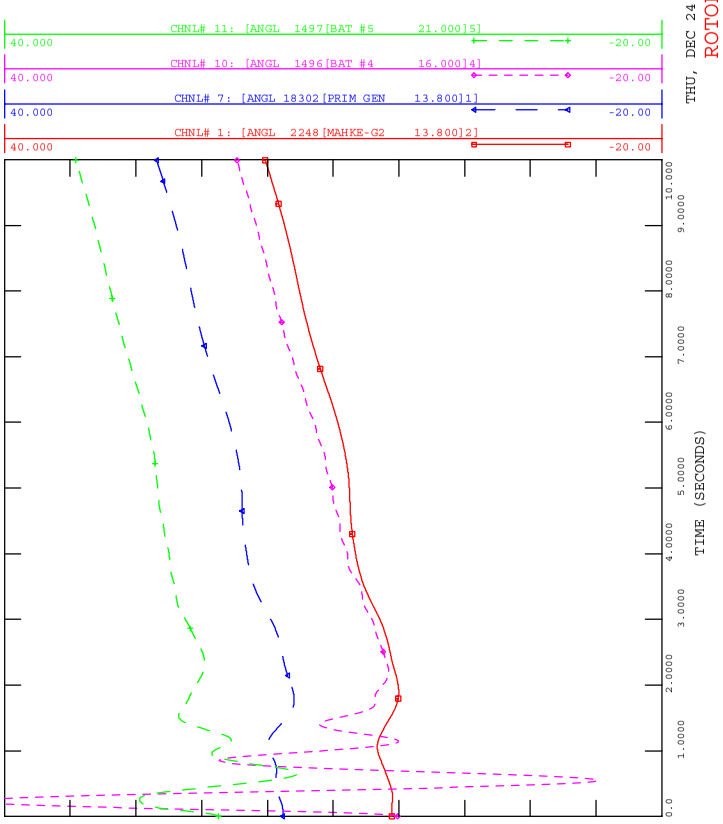


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

ROTOR ANGLES

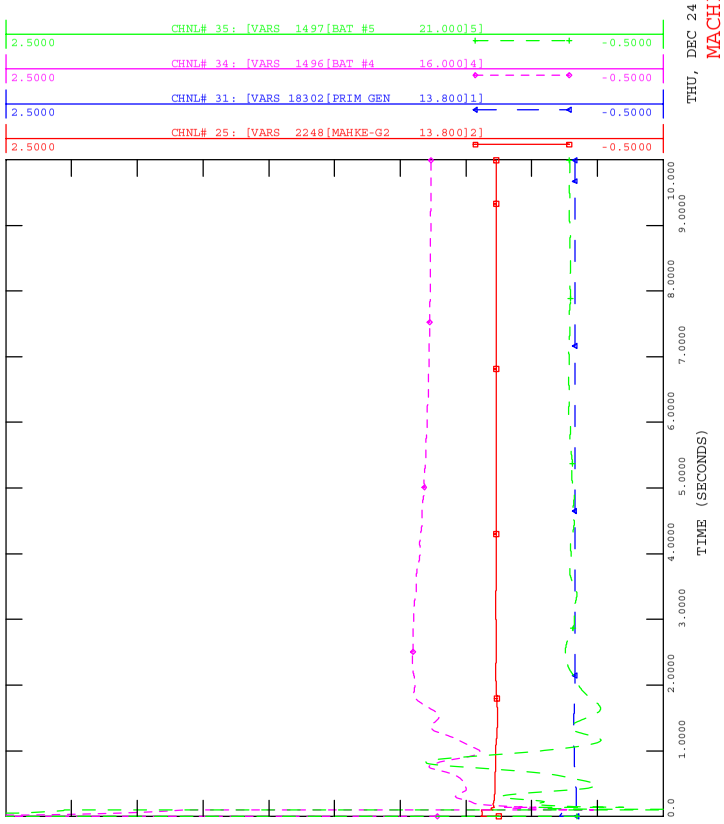


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MACHINE VARS

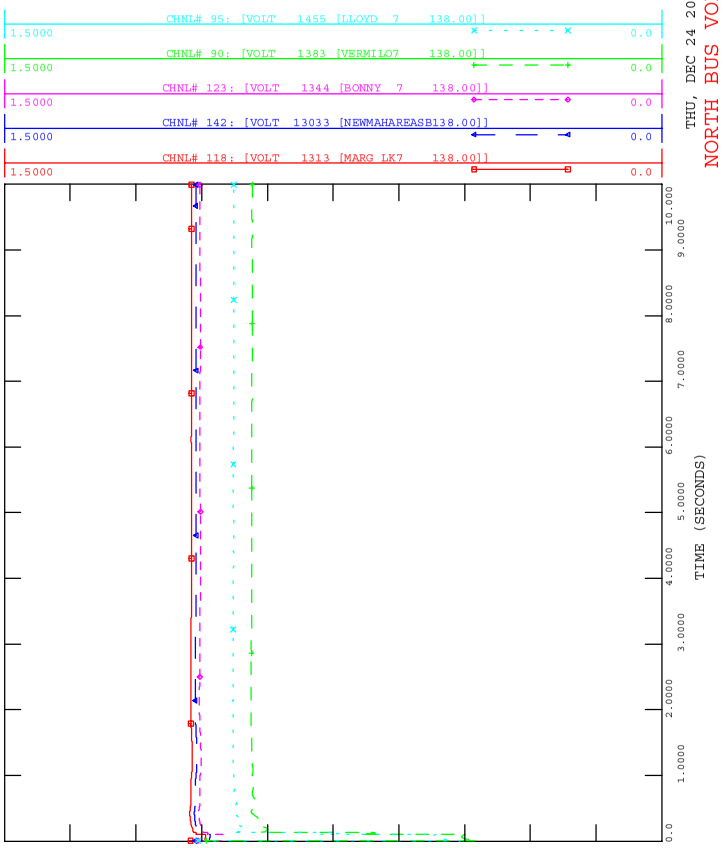


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

NORTH BUS VOLTAGES

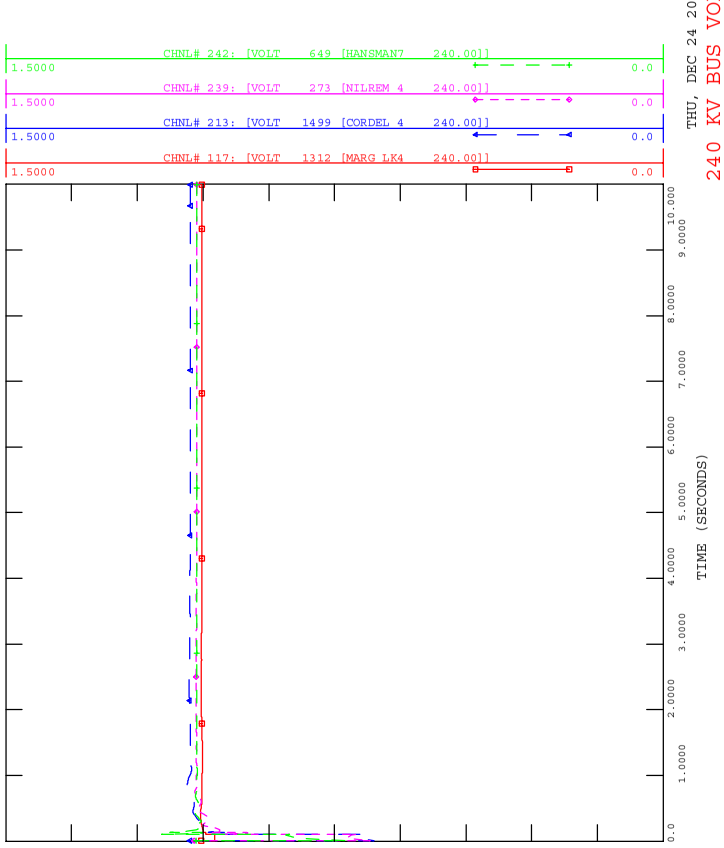


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

240 KV BUS VOLTAGES

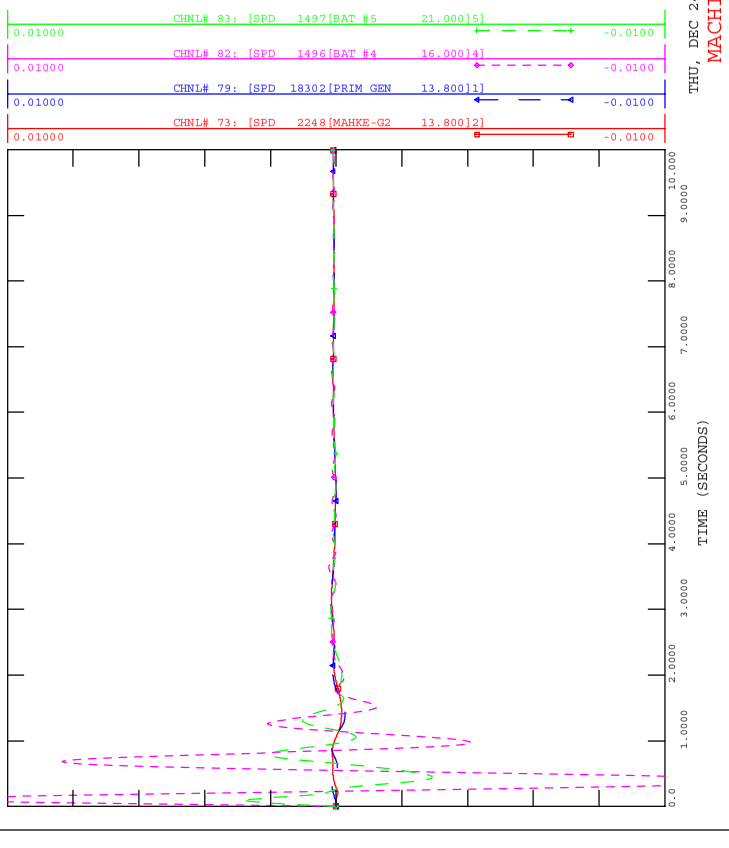


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MACHINE SPEED

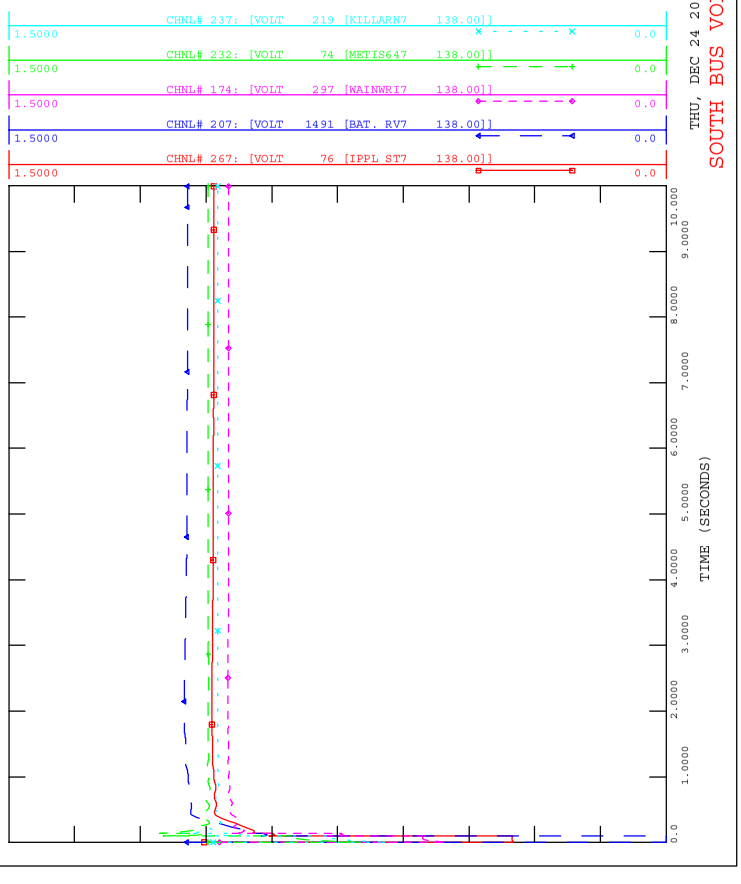


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

SOUTH LINES POWER FLOW

CHNL# 1178: [748L EDGERTON - BRIKER]
300.00 -100.0
CHNL# 894: [749AL METISKOW - KILLARNEY LAKE]
300.00 -100.0
CHNL# 1158: [9L953 CORDEL - NILREM]
300.00 -100.0
CHNL# 1140: [7L50 BATTLE RIVER - JARROW TAP]
300.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

SOUTH LINES VAR FLOW

CHNL# 1179: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 895: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1159: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1141: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

NORTH LINES POWER FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1136: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 580: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

NORTH LINES VAR FLOW

CHNL# 341: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1137: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 581: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

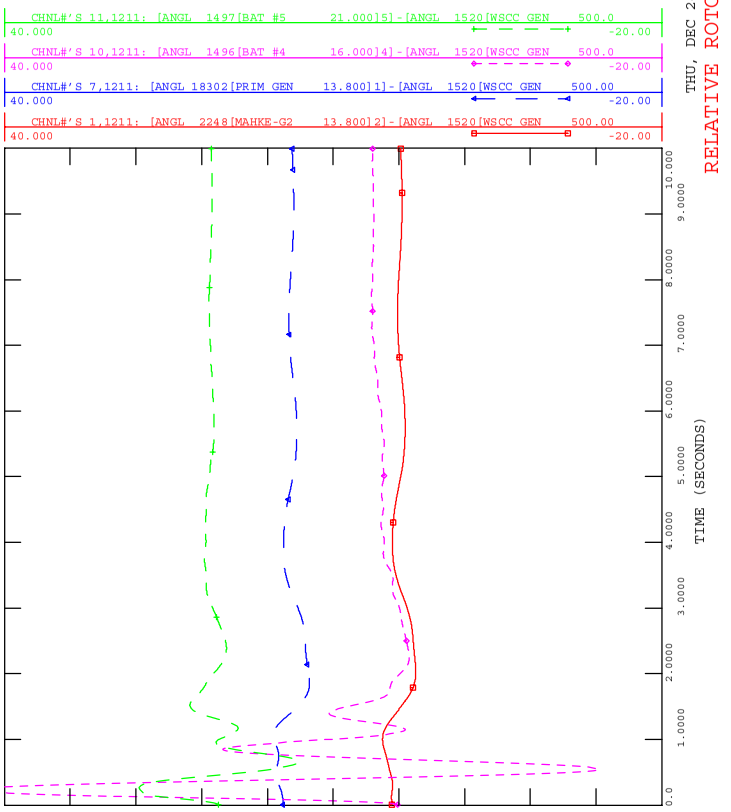
TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

RELATIVE ROTOR ANGLES

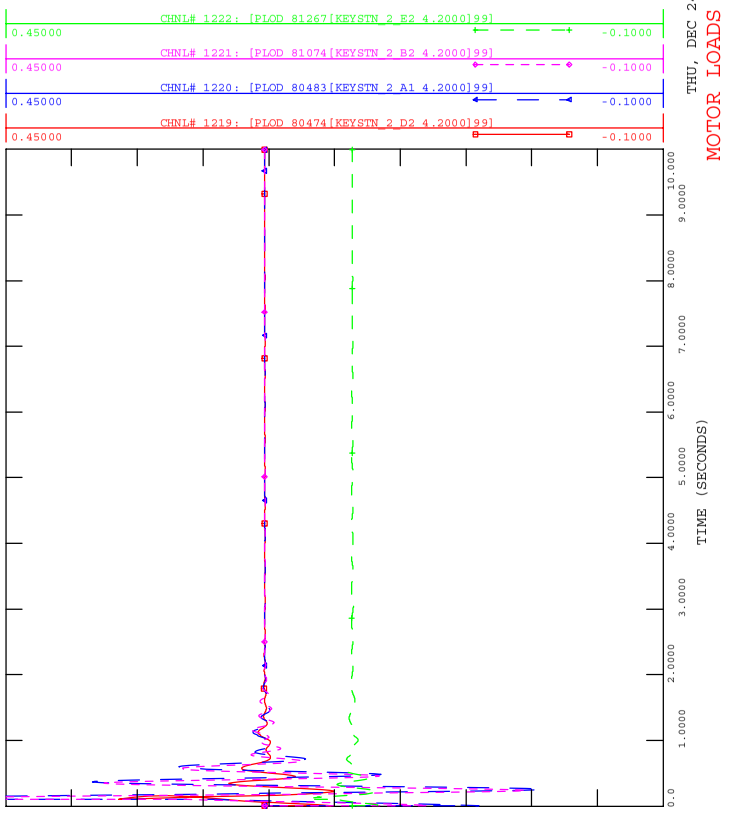


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MOTOR LOADS GROUP II

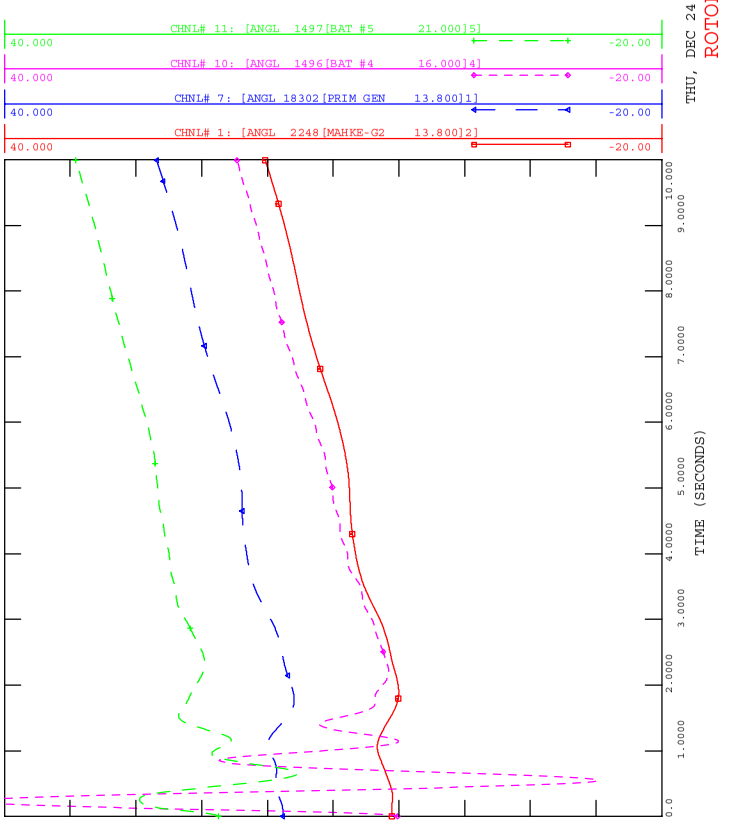


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

ROTOR ANGLES

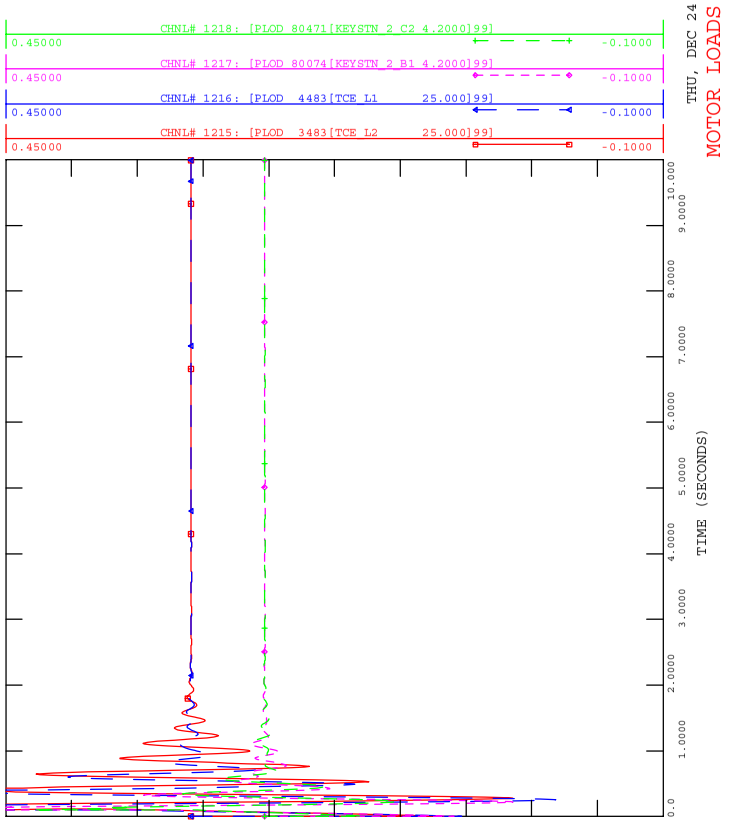


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MOTOR LOADS GROUP I

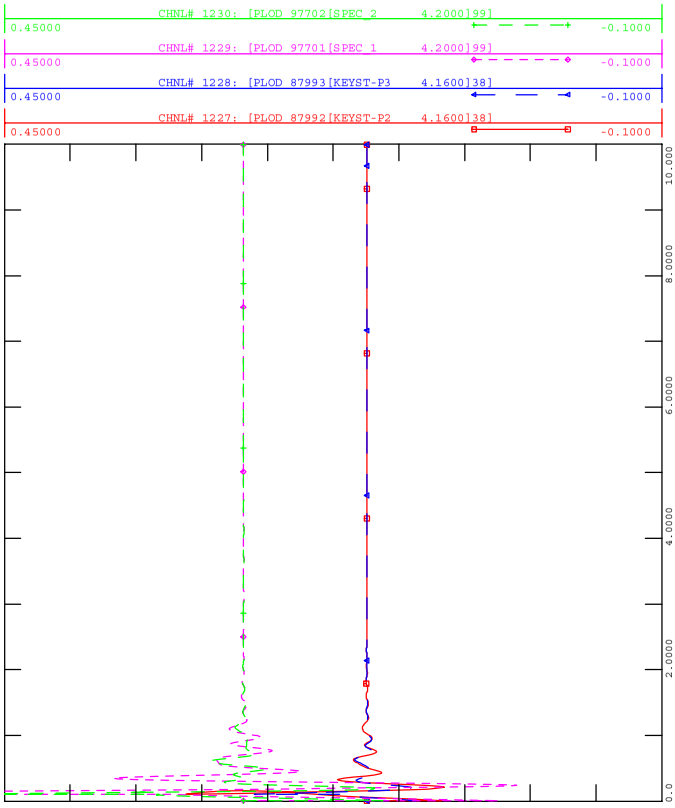


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MOTOR LOADS GROUP IV

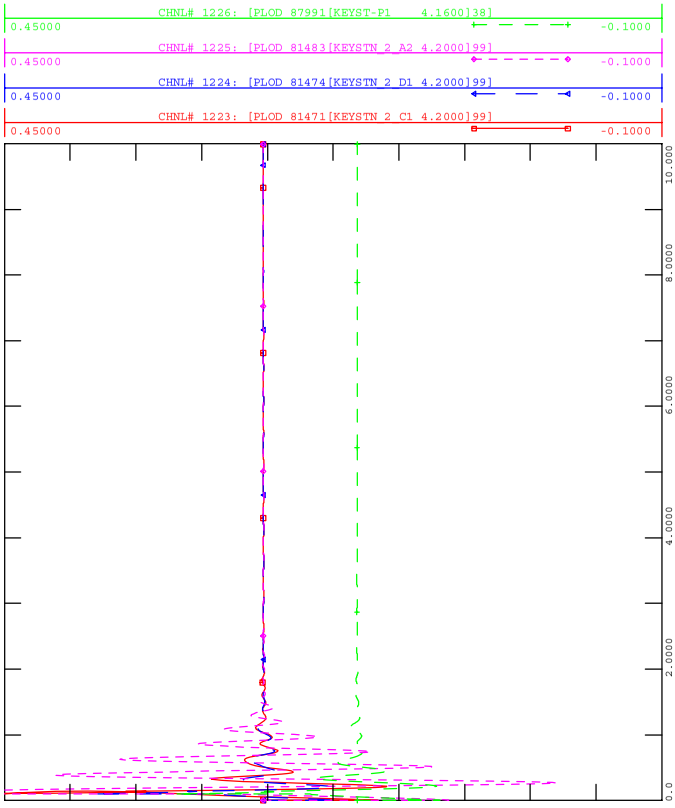


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-2fault.out

THU, DEC 24 2009 9:09

MOTOR LOADS GROUP III

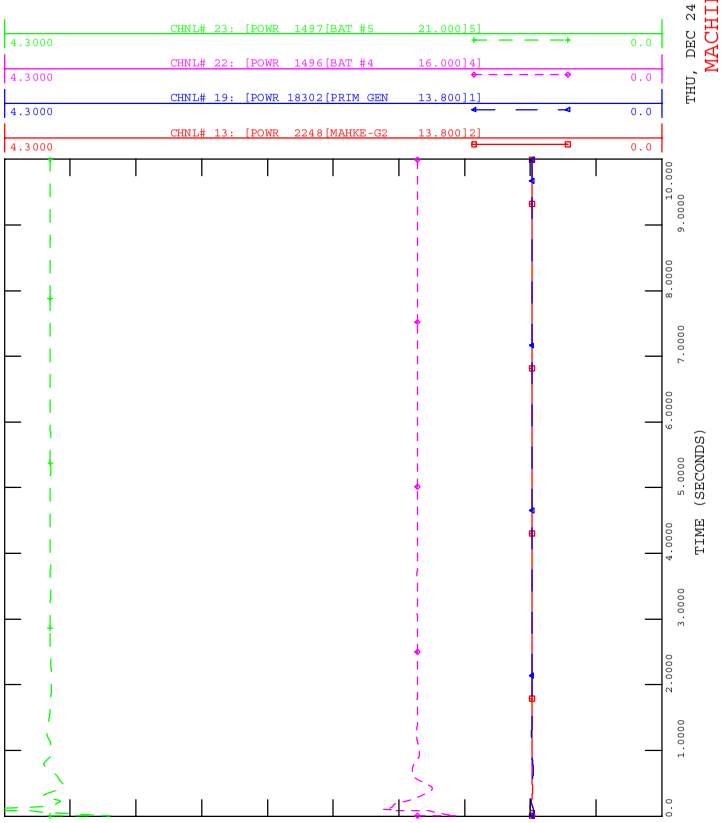


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

MACHINE POWER

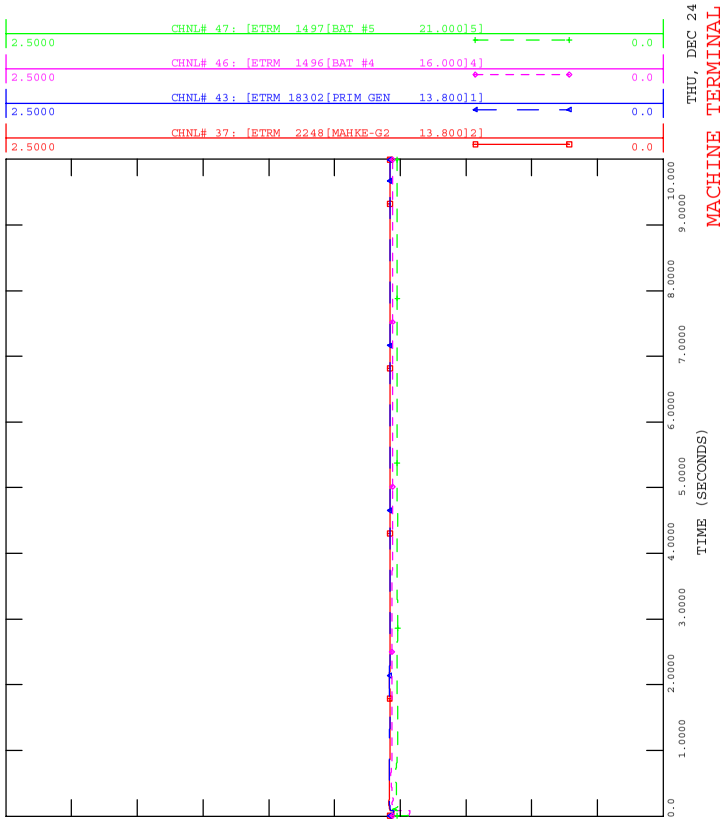


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

MACHINE TERMINAL VOLTAGE

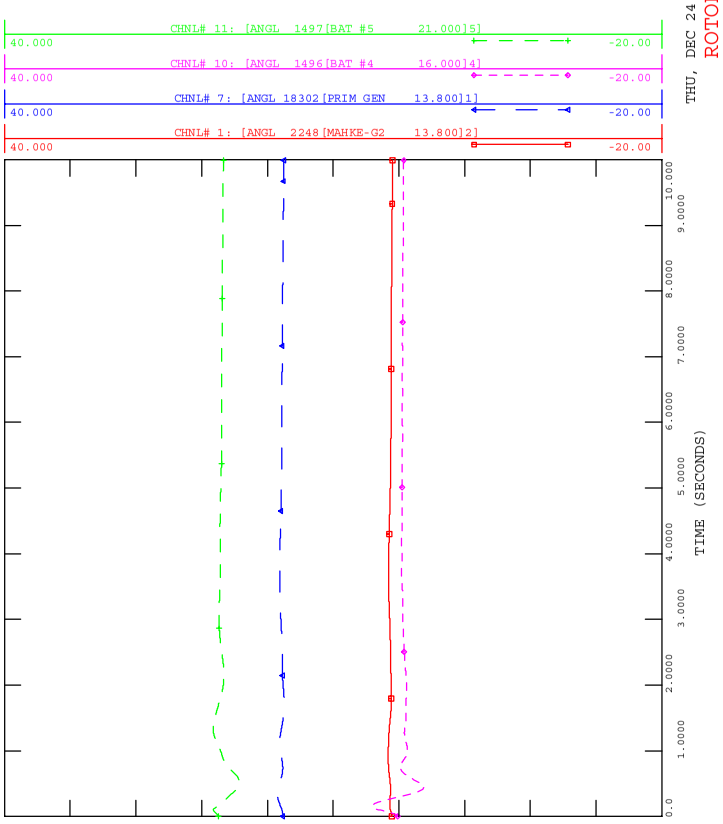


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

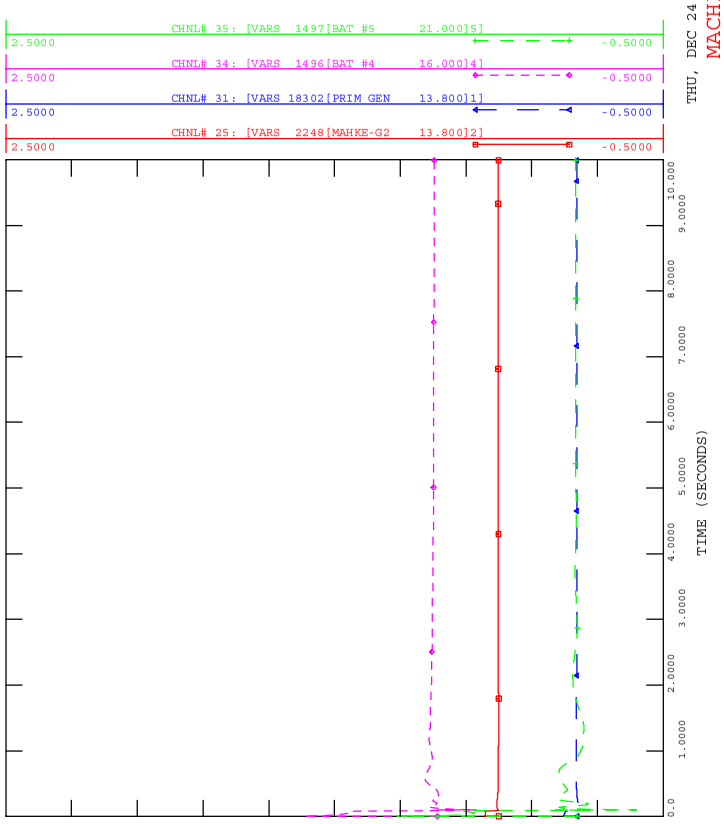


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

MACHINE VARS

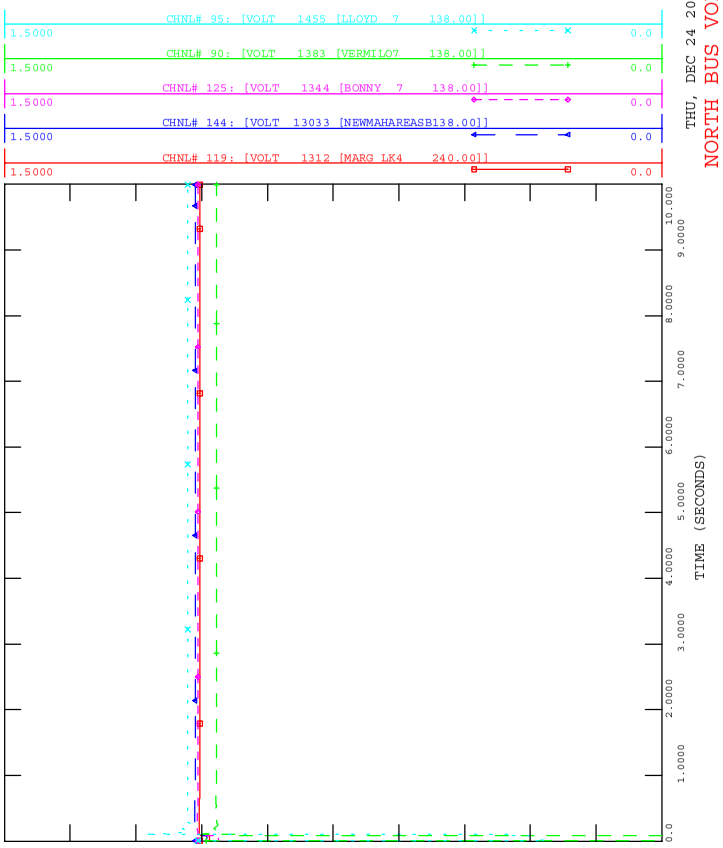


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

NORTH BUS VOLTAGES

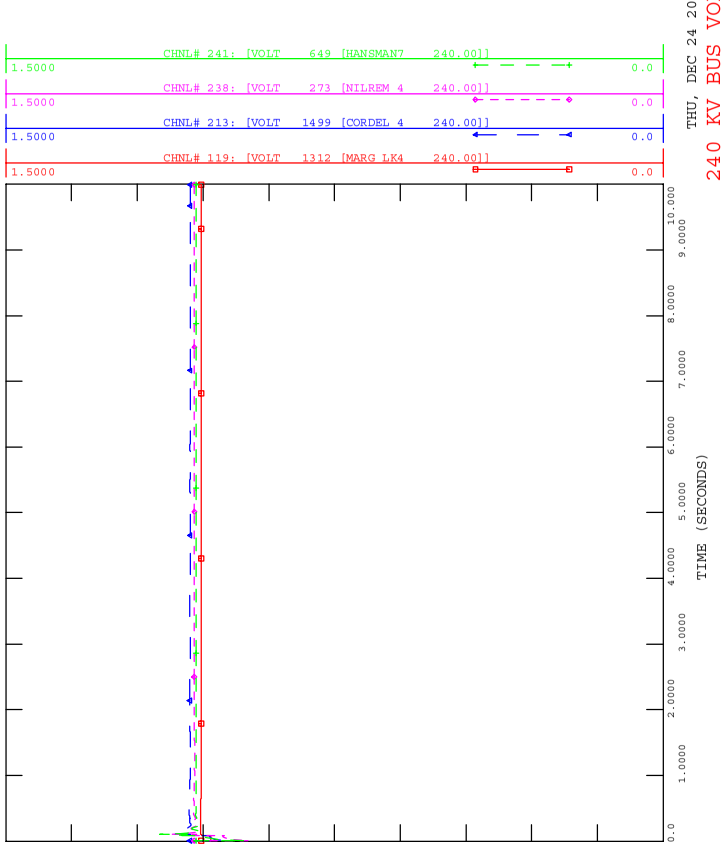


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

240 KV BUS VOLTAGES

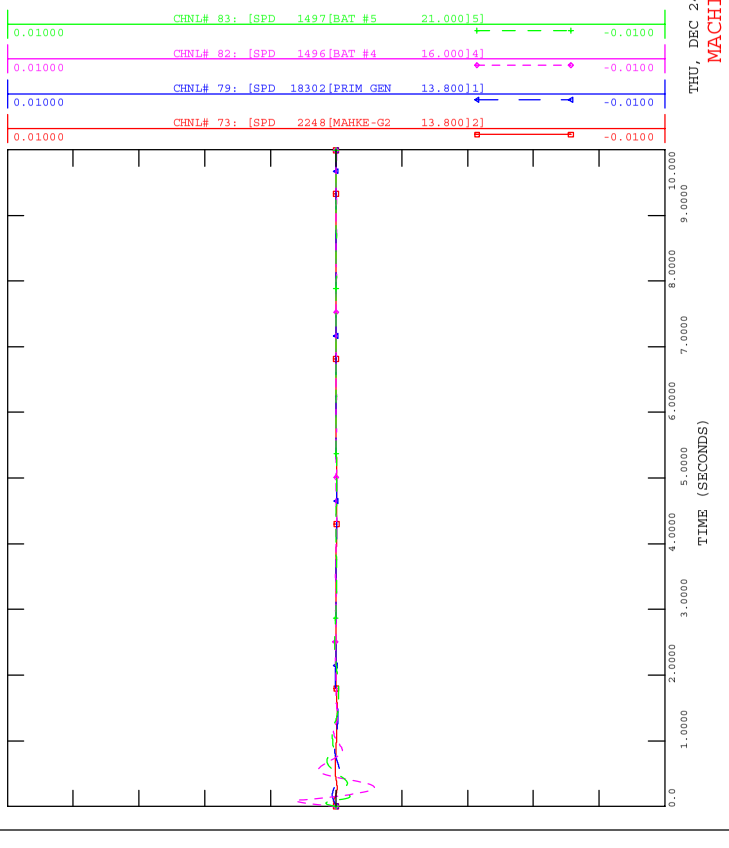


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

MACHINE SPEED

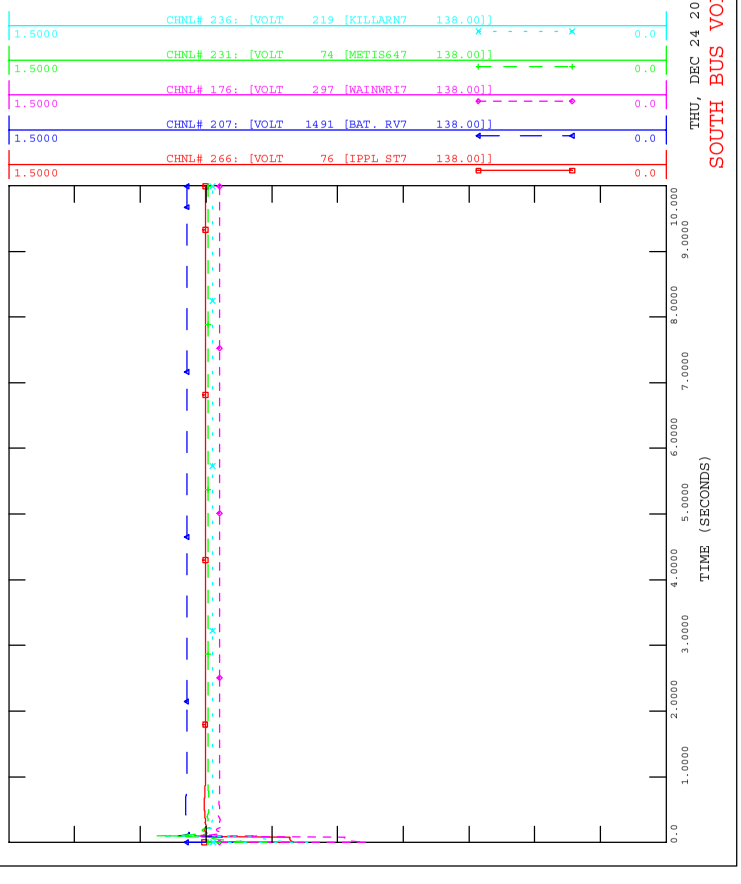


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

SOUTH BUS VOLTAGES

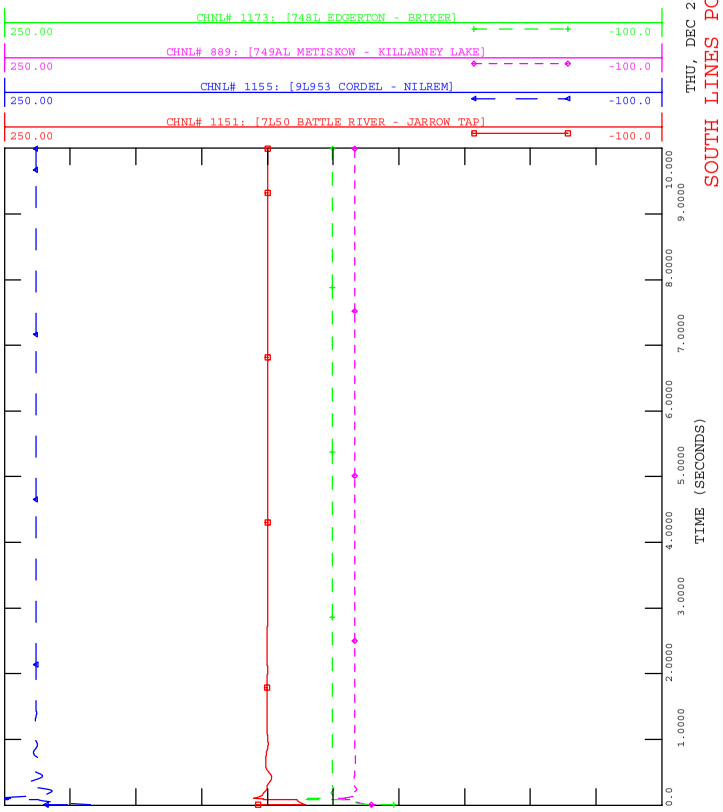


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

SOUTH LINES POWER FLOW

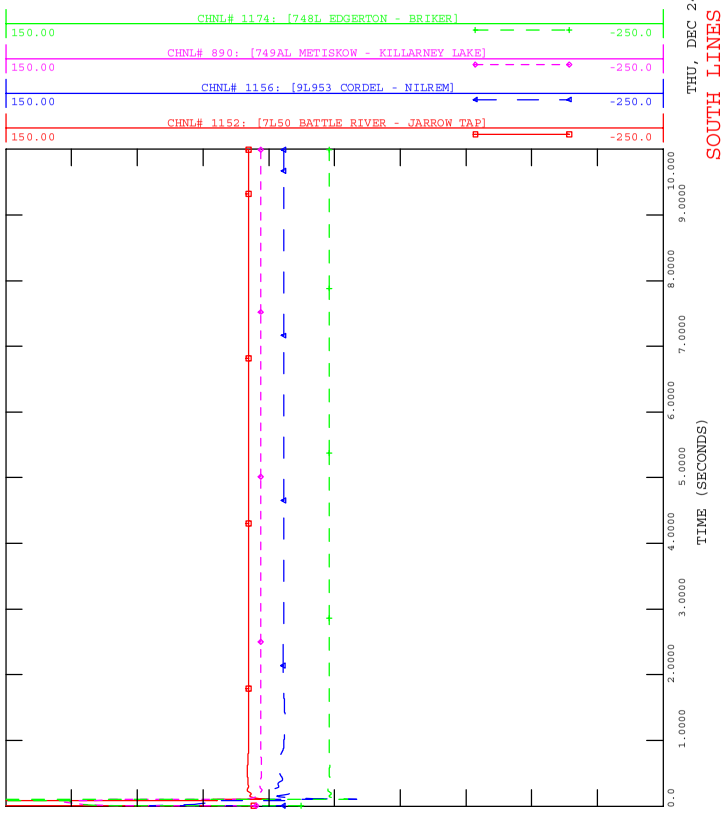


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

SOUTH LINES VAR FLOW

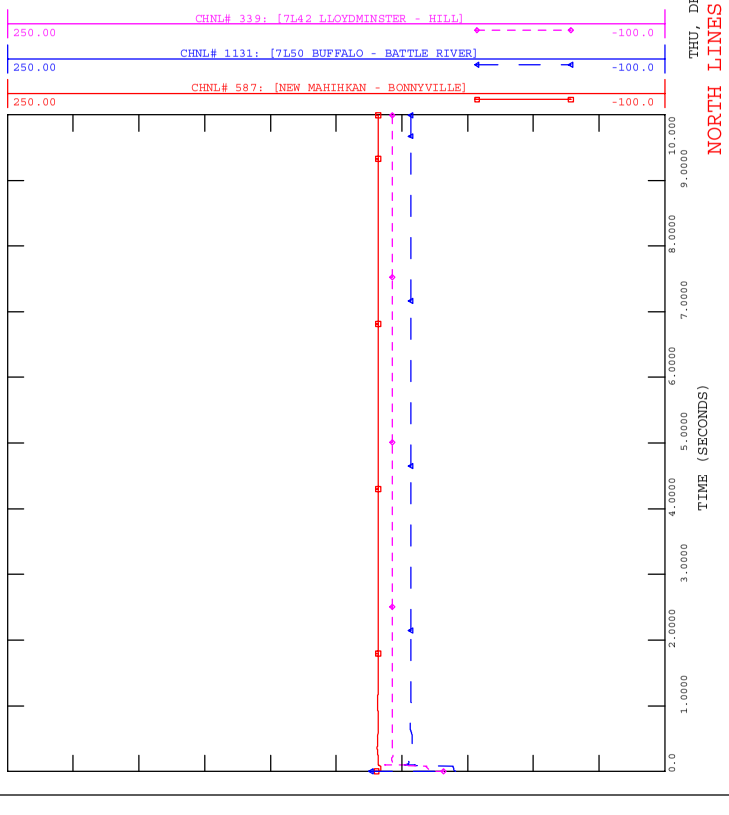


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

NORTH LINES POWER FLOW

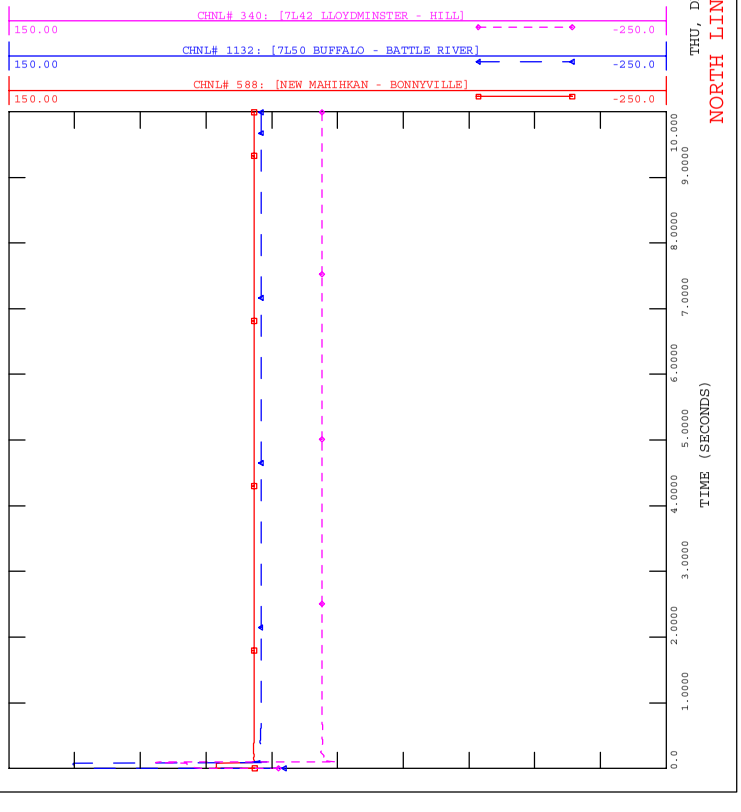


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-3fault.out

THU, DEC 24 2009 8:09

NORTH LINES VAR FLOW

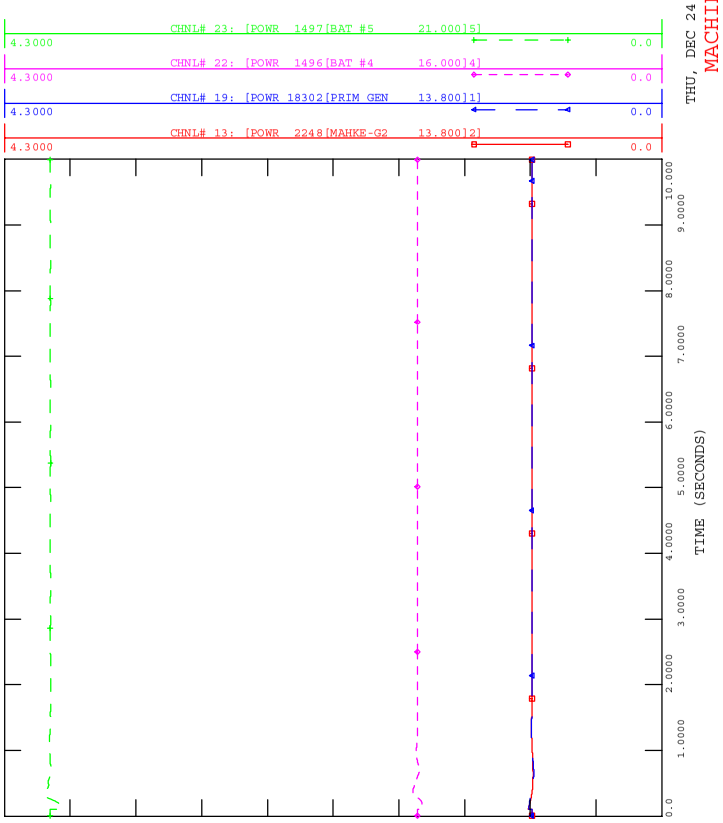


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MACHINE POWER

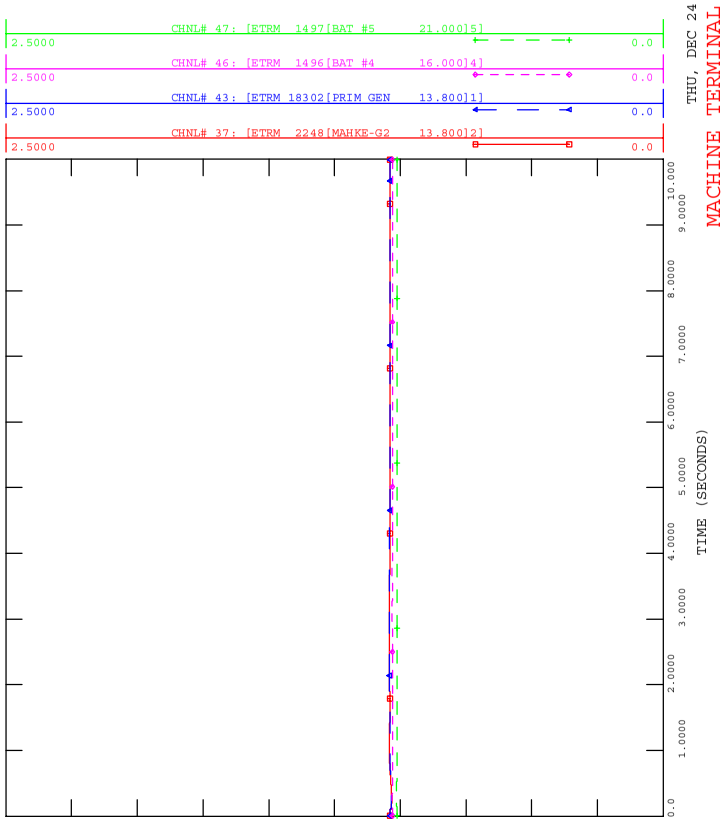


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MACHINE TERMINAL VOLTAGE

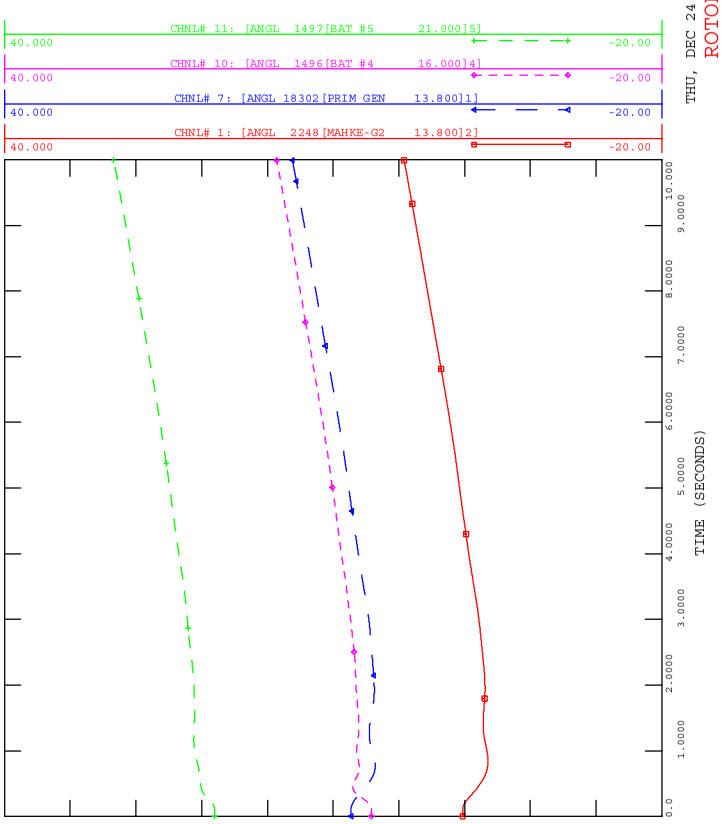


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

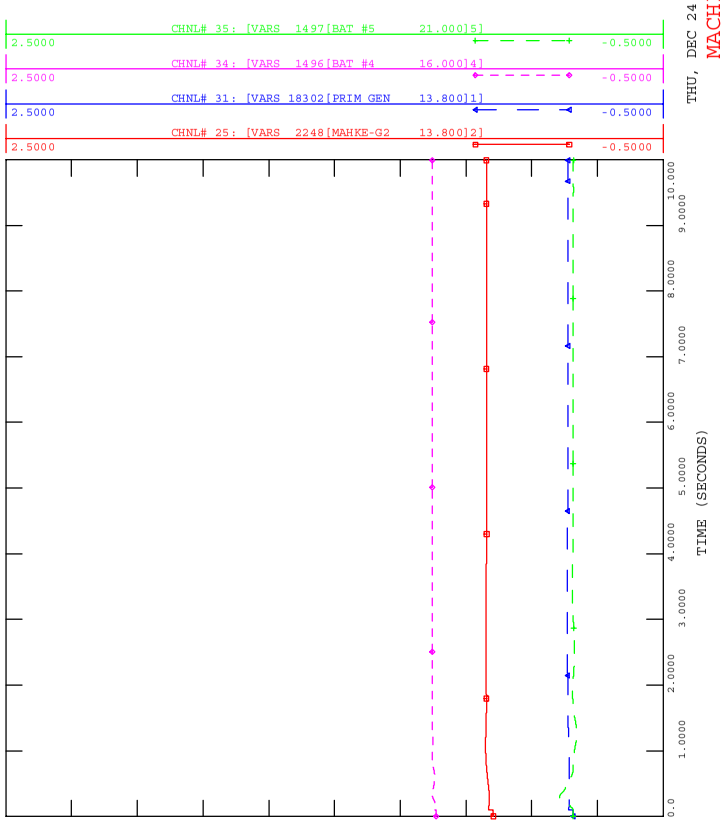


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MACHINE VARS

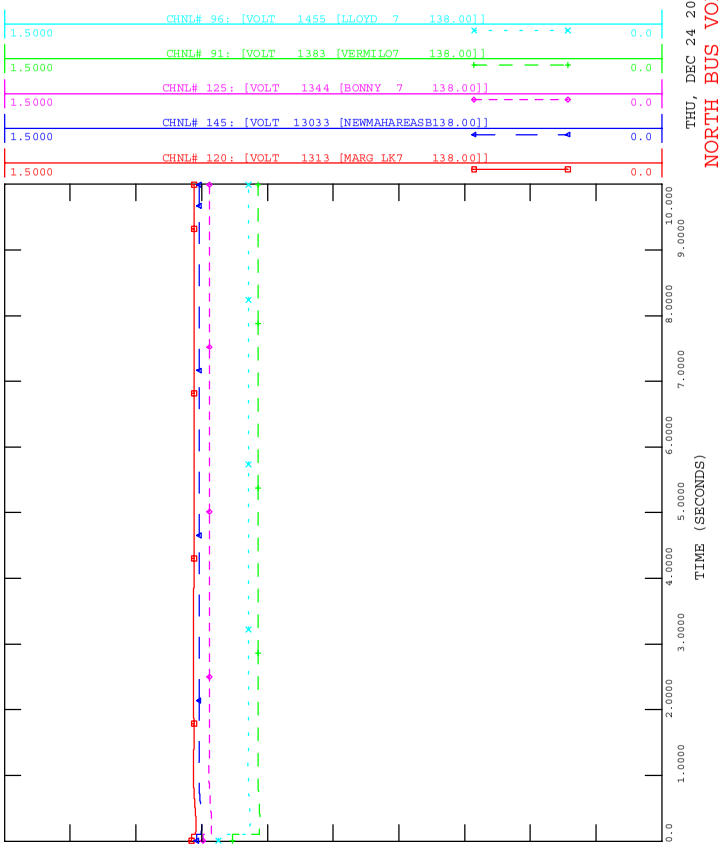


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

NORTH BUS VOLTAGES

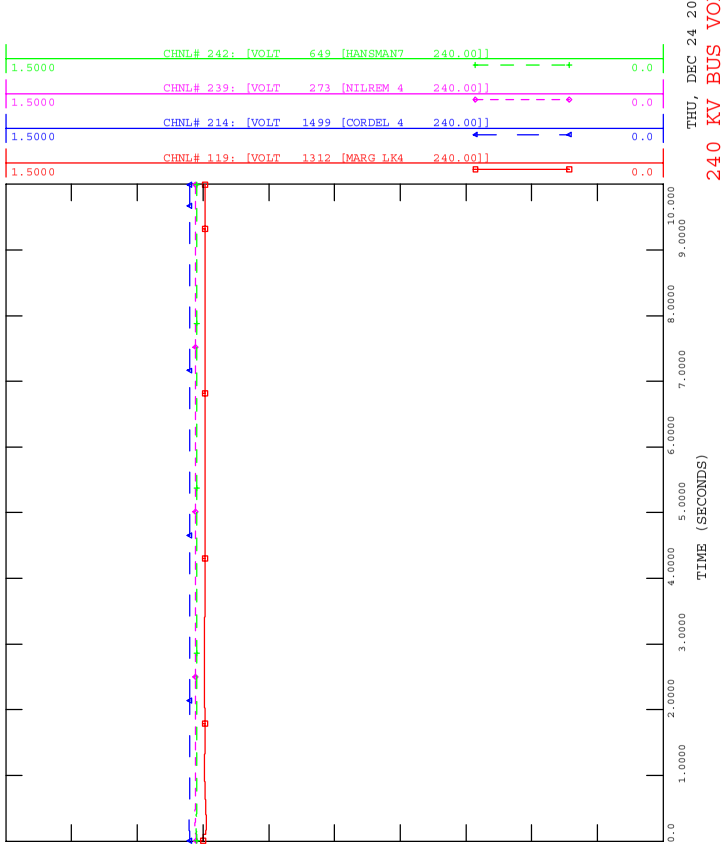


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

240 KV BUS VOLTAGES

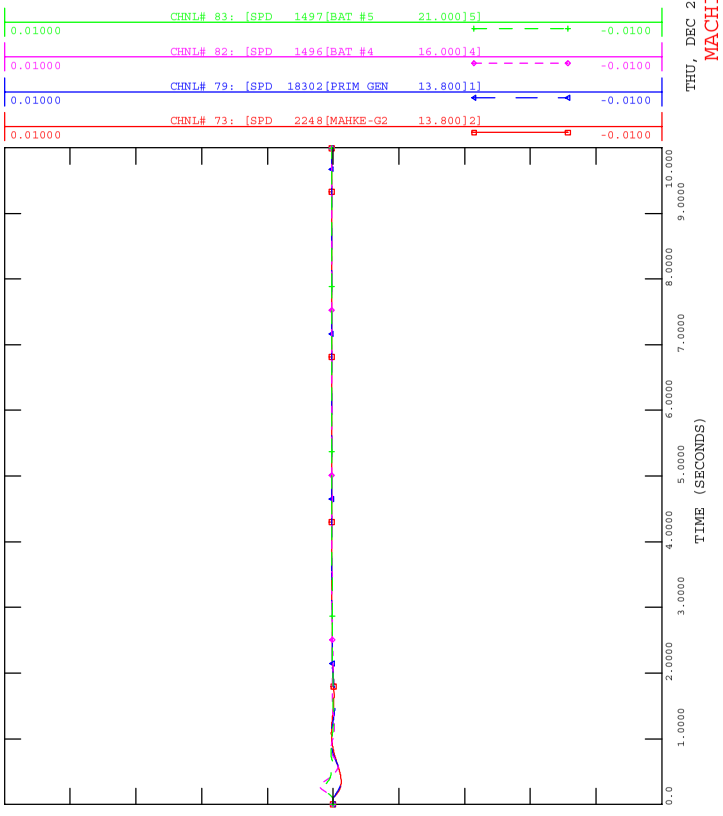


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MACHINE SPEED

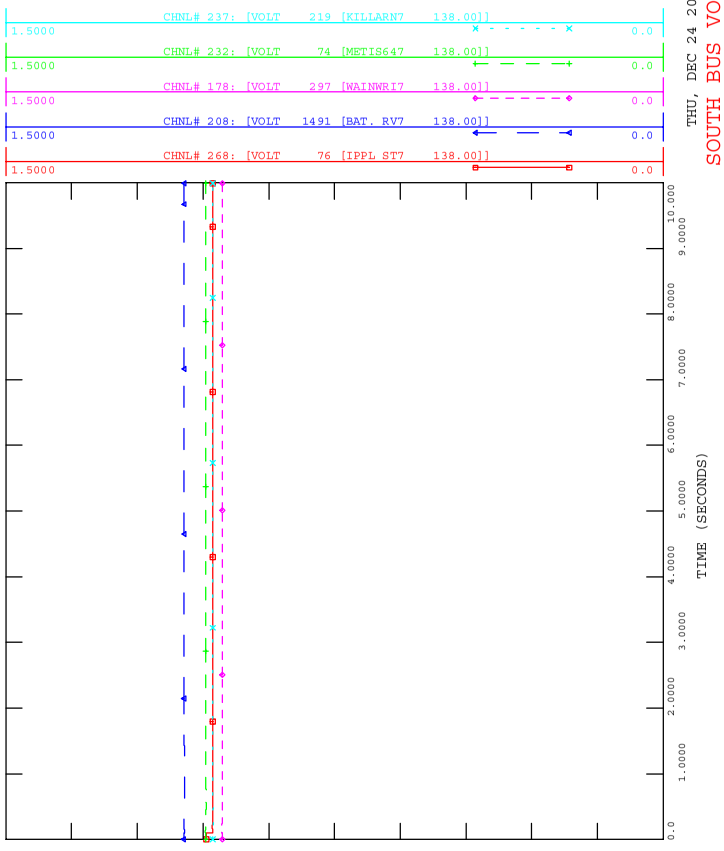


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

SOUTH BUS VOLTAGES

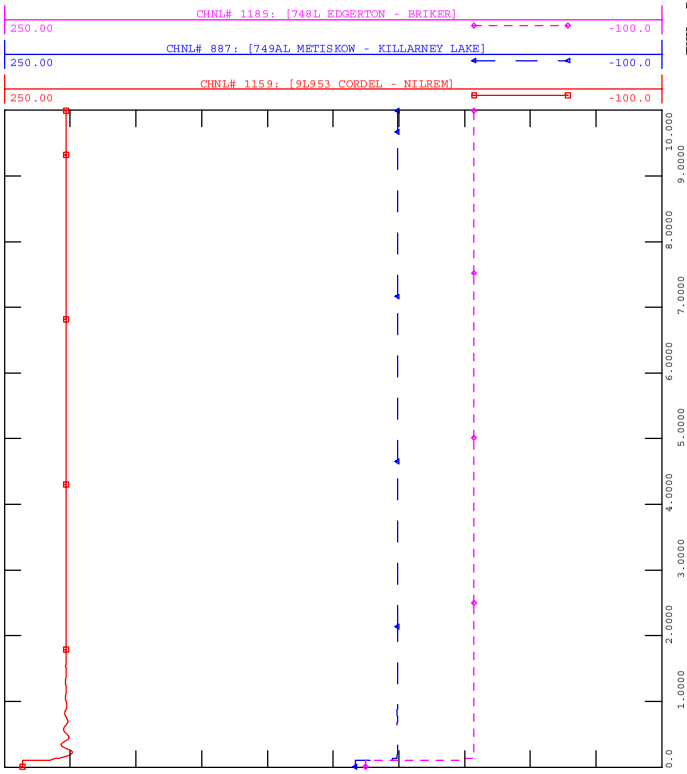


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

SOUTH LINES POWER FLOW

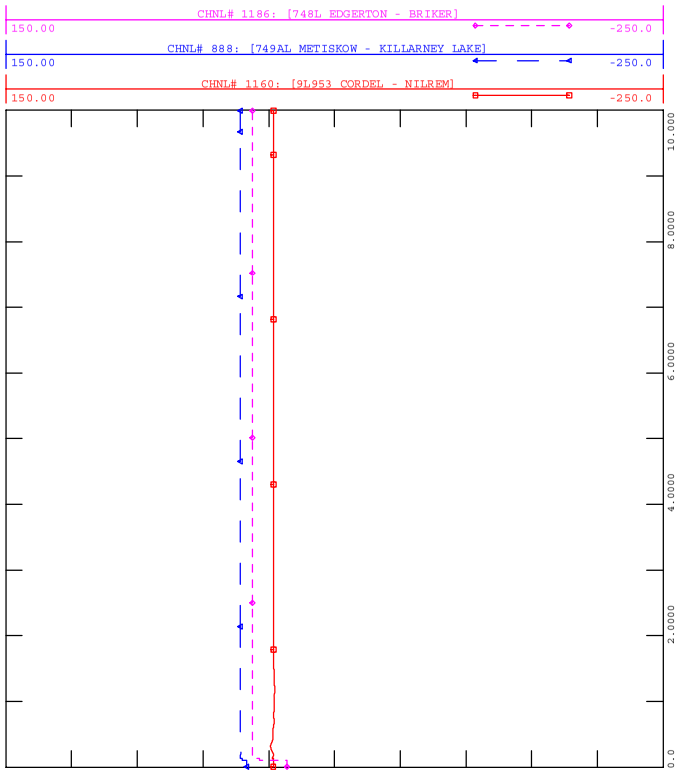


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

SOUTH LINES VAR FLOW

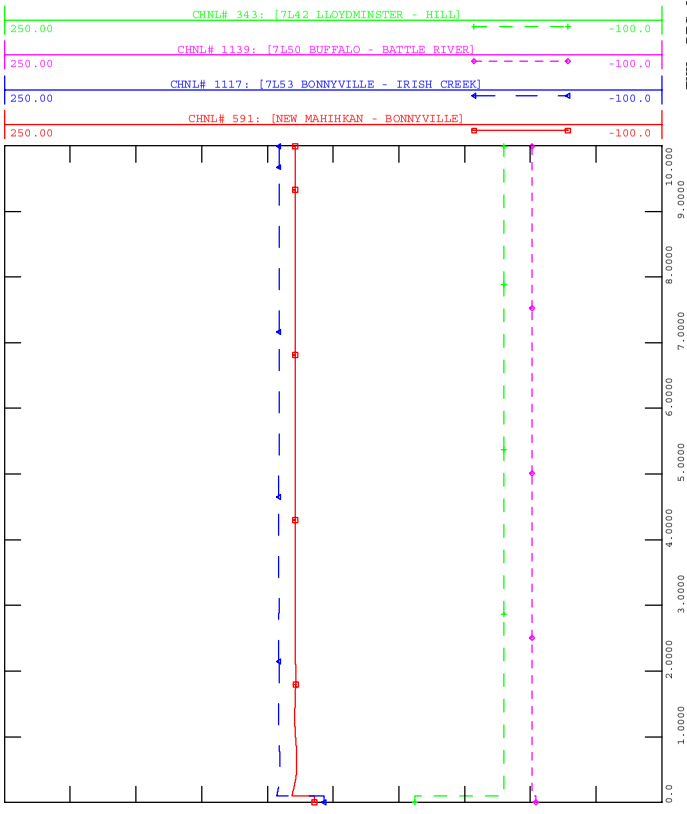


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

NORTH LINES POWER FLOW

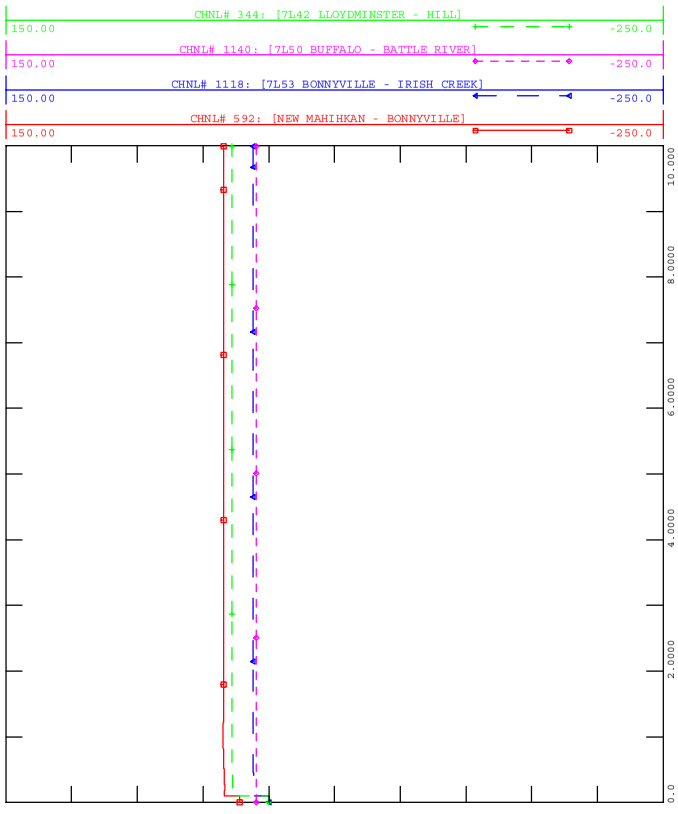


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

NORTH LINES VAR FLOW

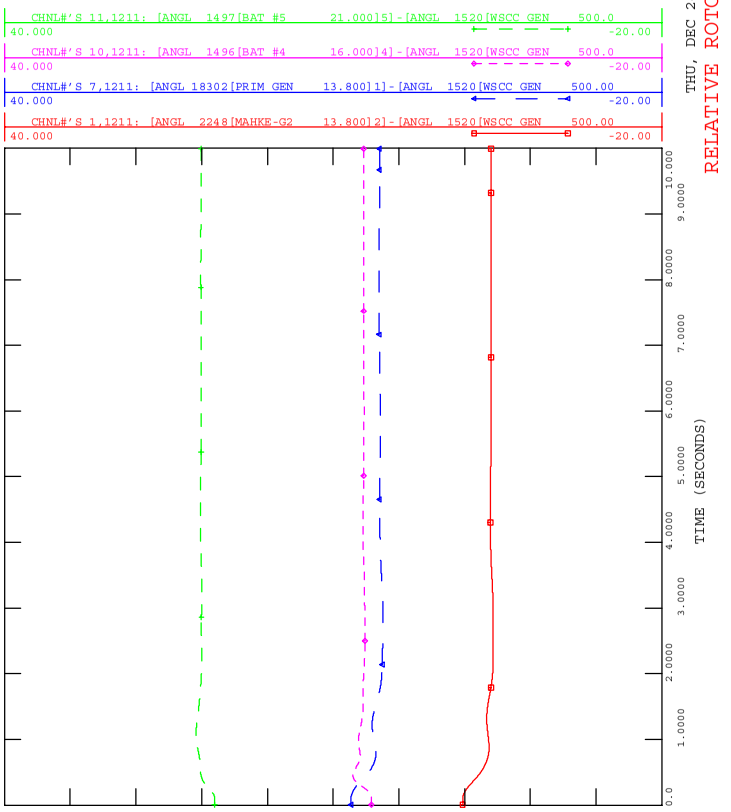


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

RELATIVE ROTOR ANGLES

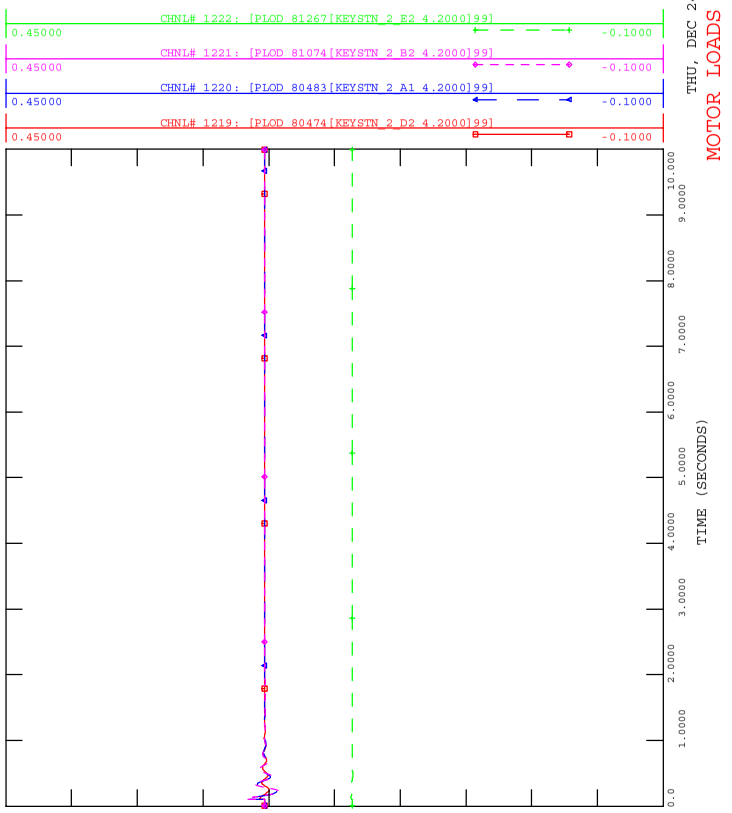


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP II

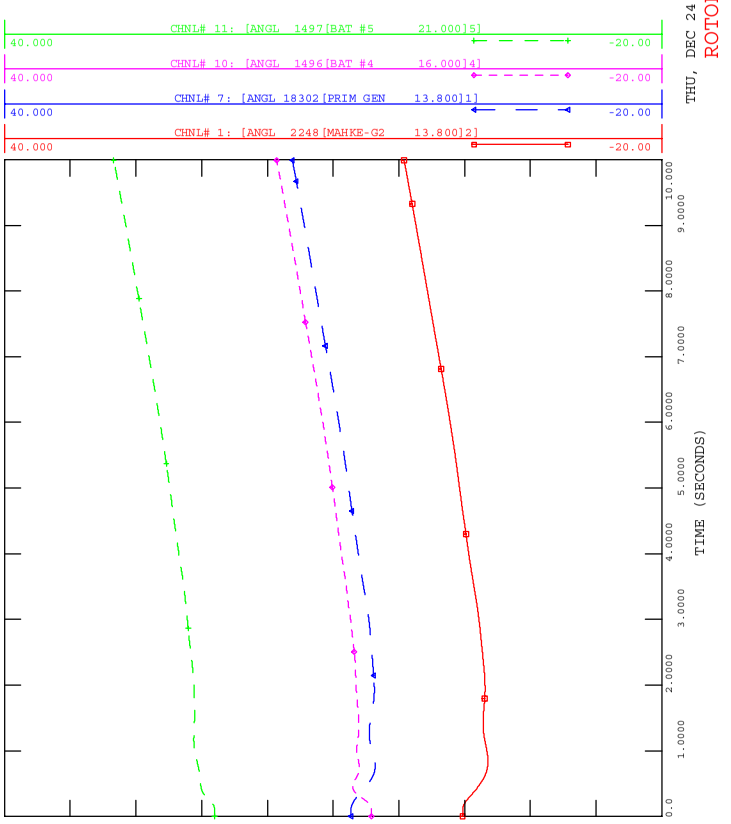


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

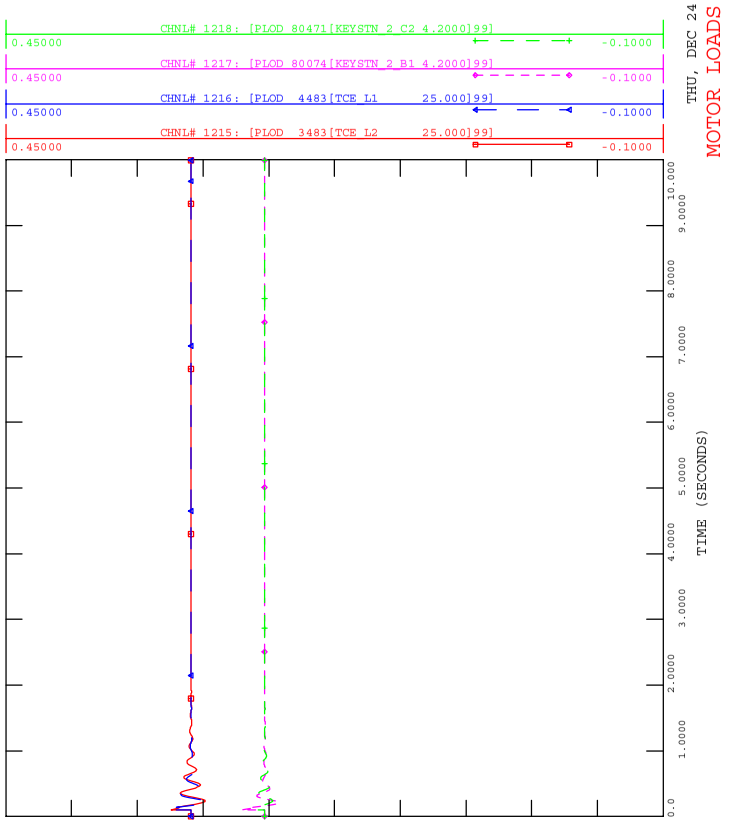


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP I

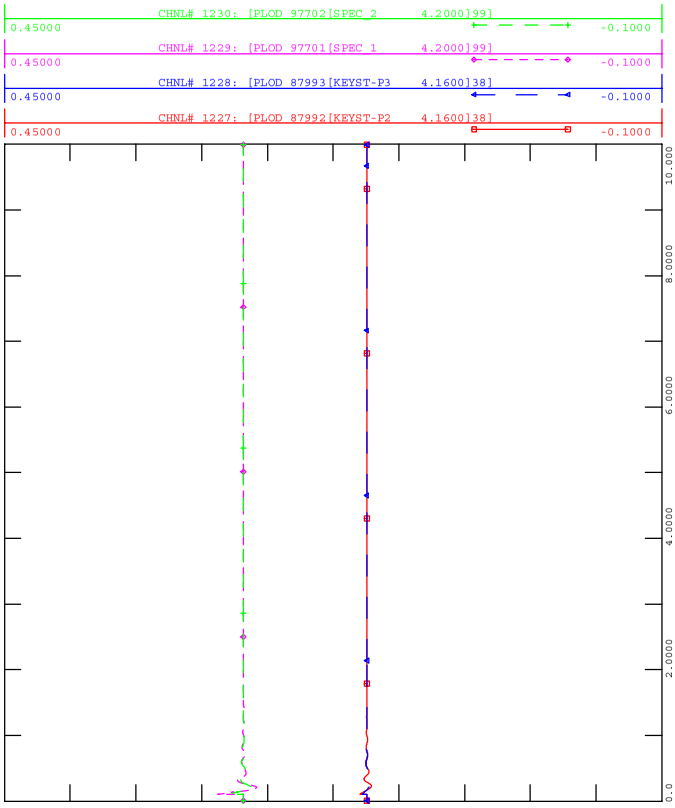


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP IV

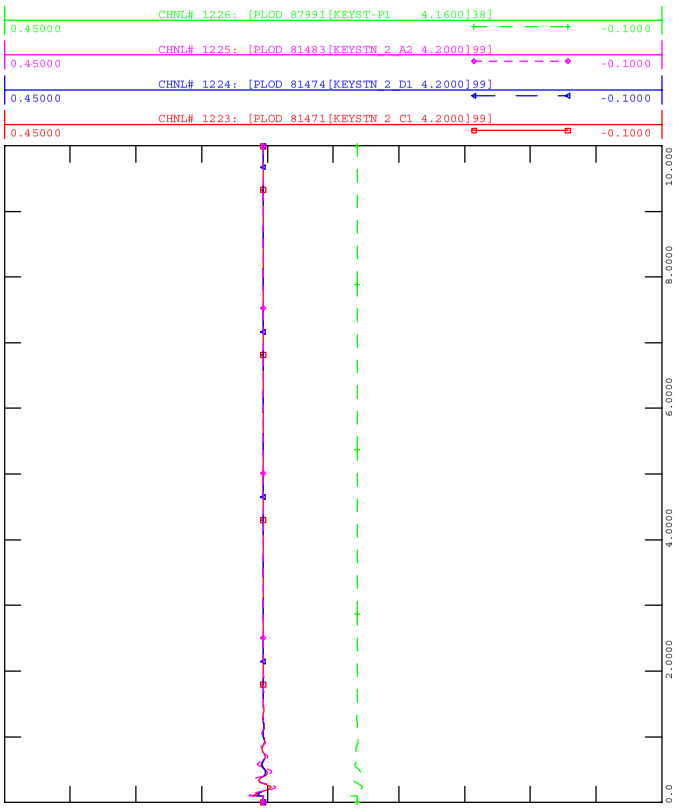


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-4fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP III

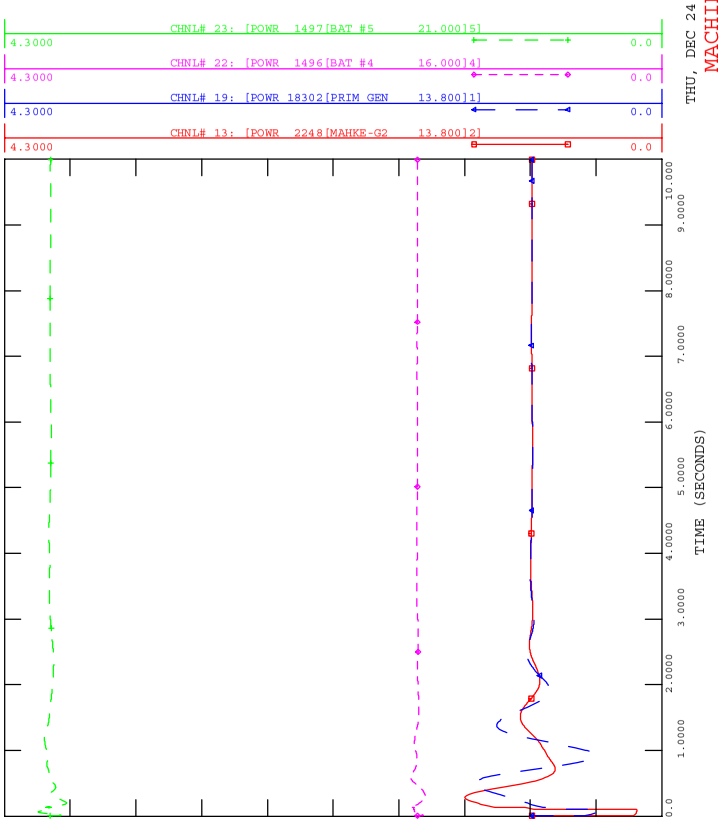


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MACHINE POWER

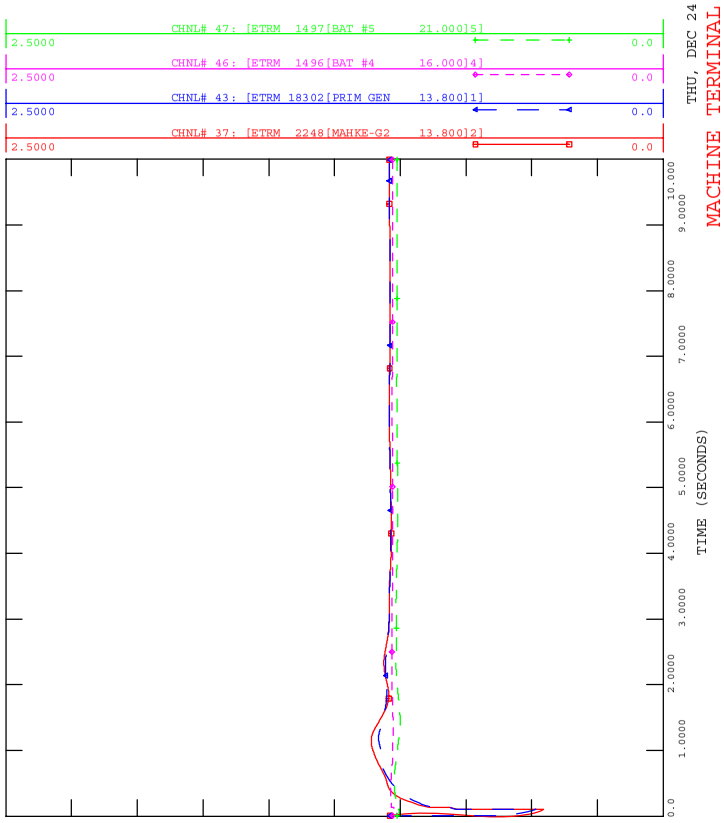


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MACHINE TERMINAL VOLTAGE

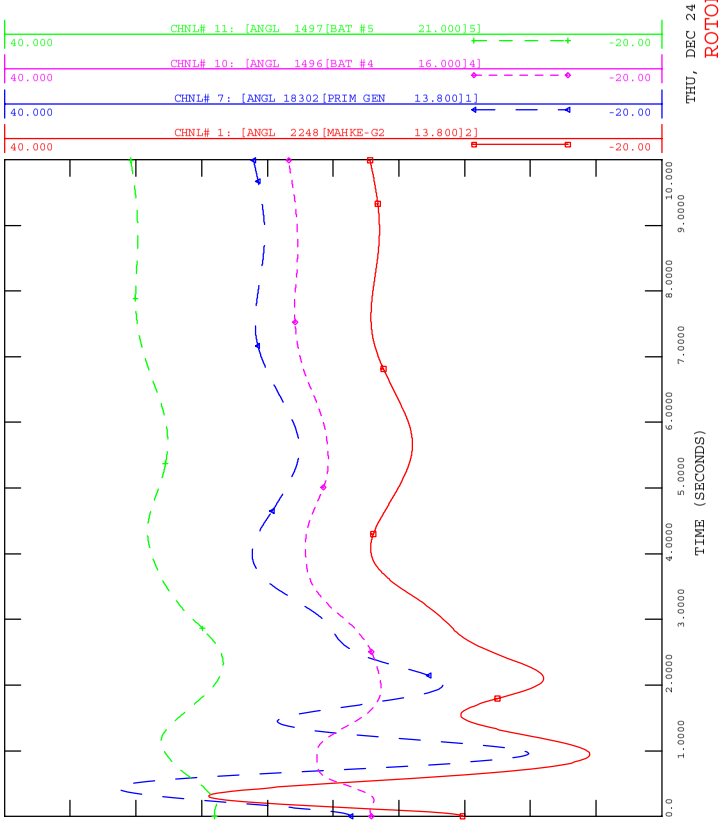


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

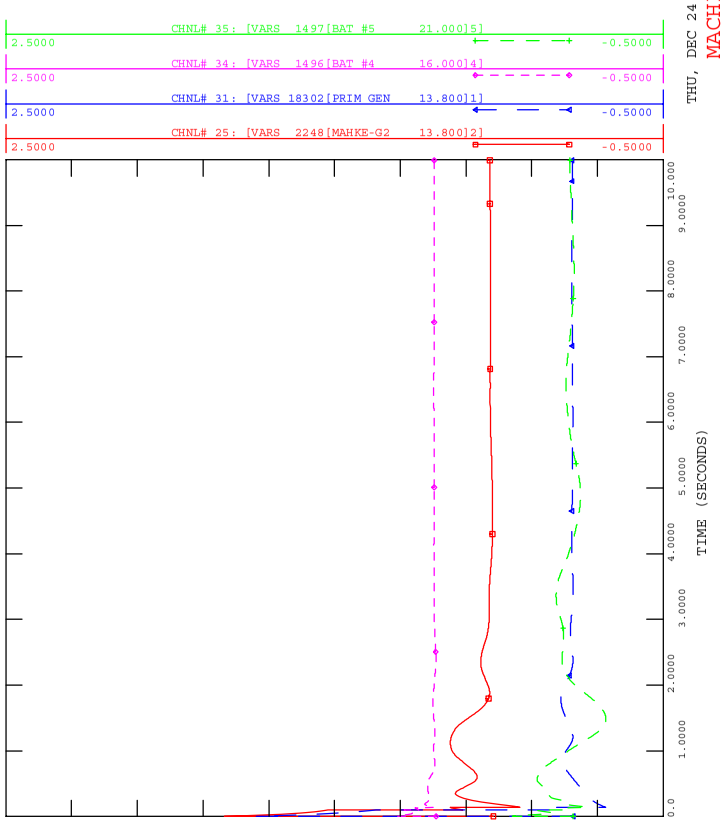


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MACHINE VARS

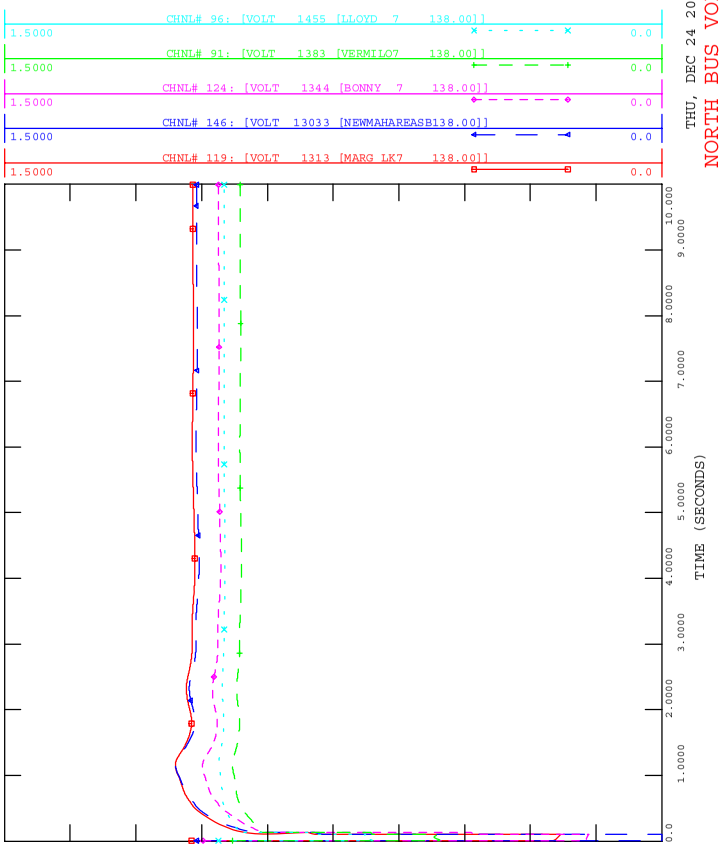


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

NORTH BUS VOLTAGES

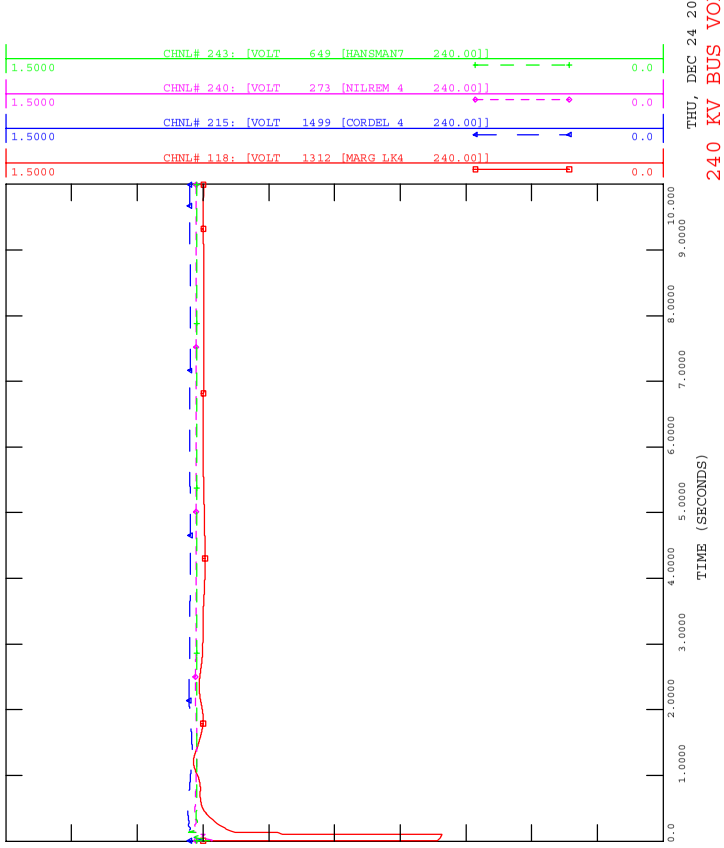


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

240 KV BUS VOLTAGES

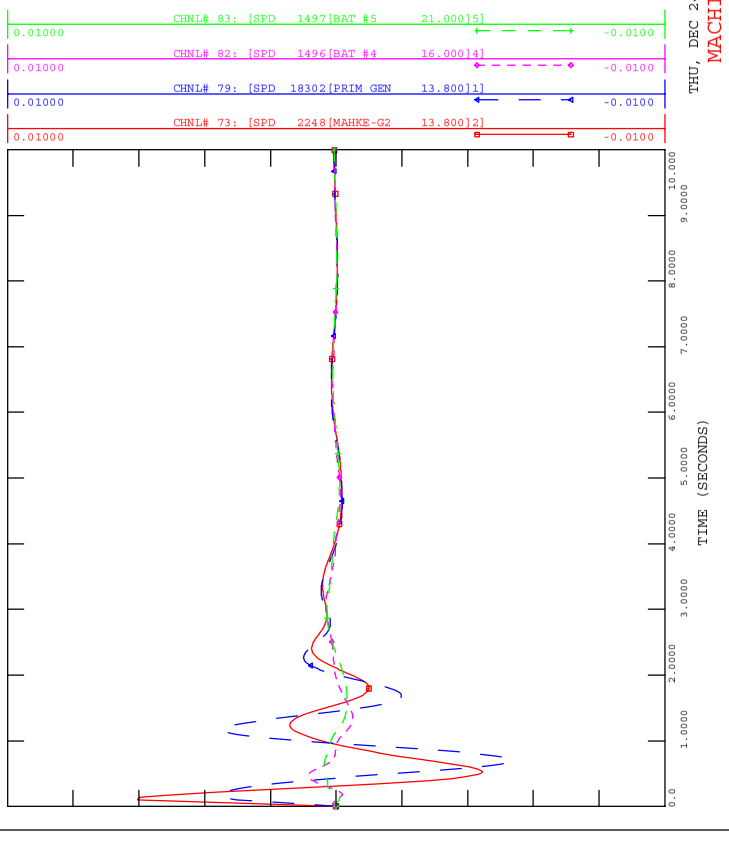


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MACHINE SPEED

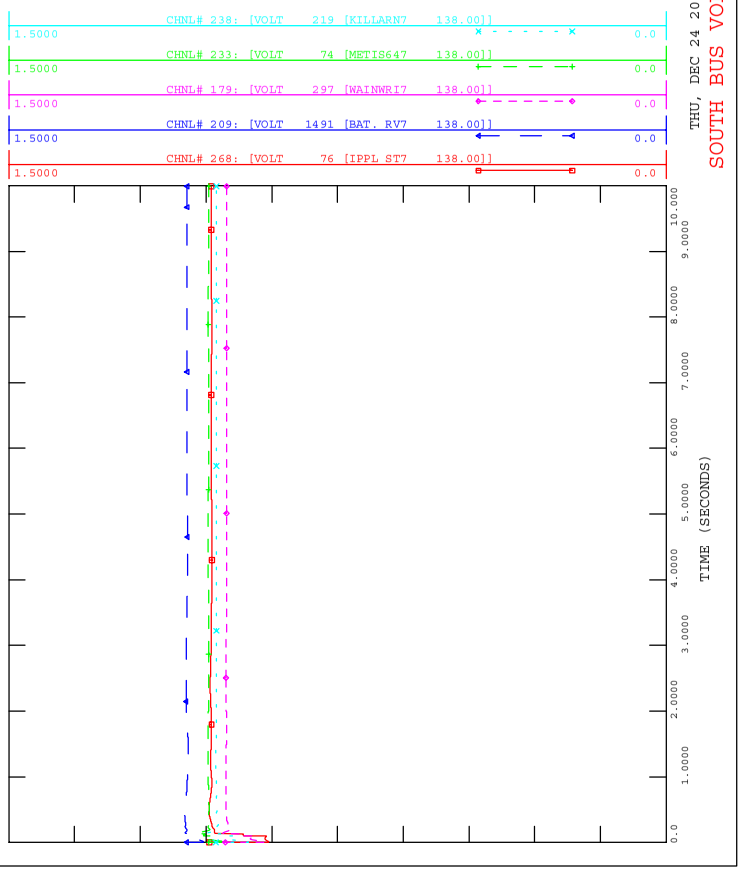


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

SOUTH BUS VOLTAGES

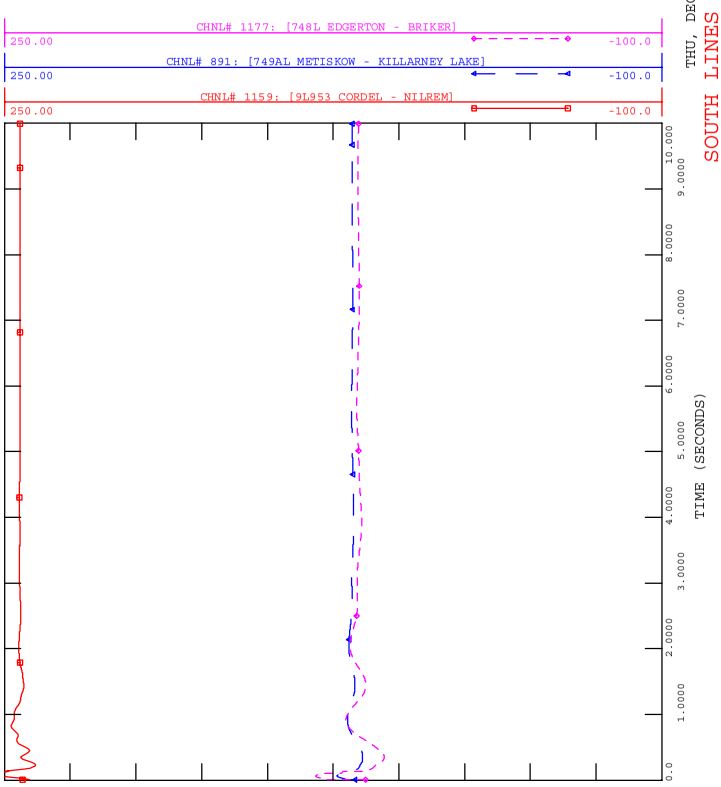


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

SOUTH LINES POWER FLOW

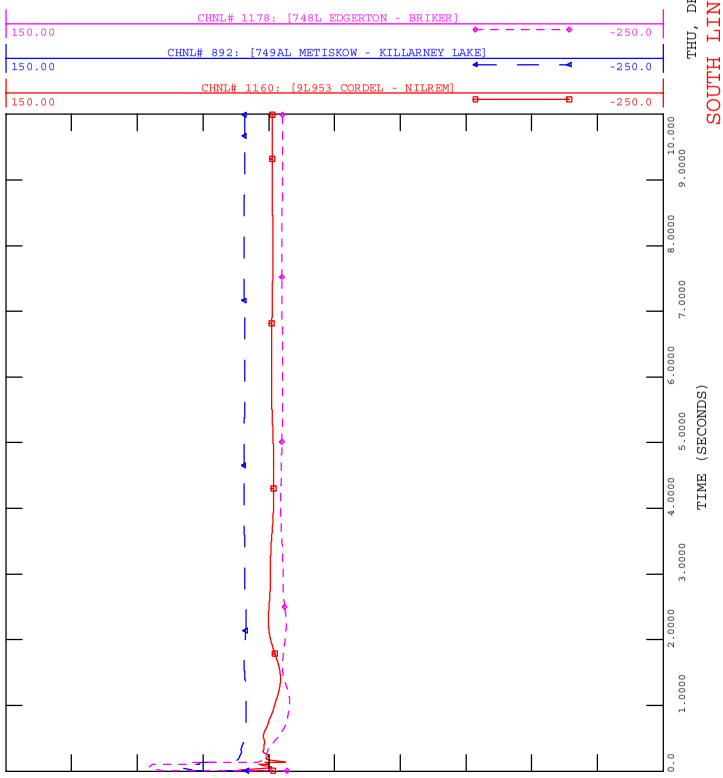


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

SOUTH LINES VAR FLOW

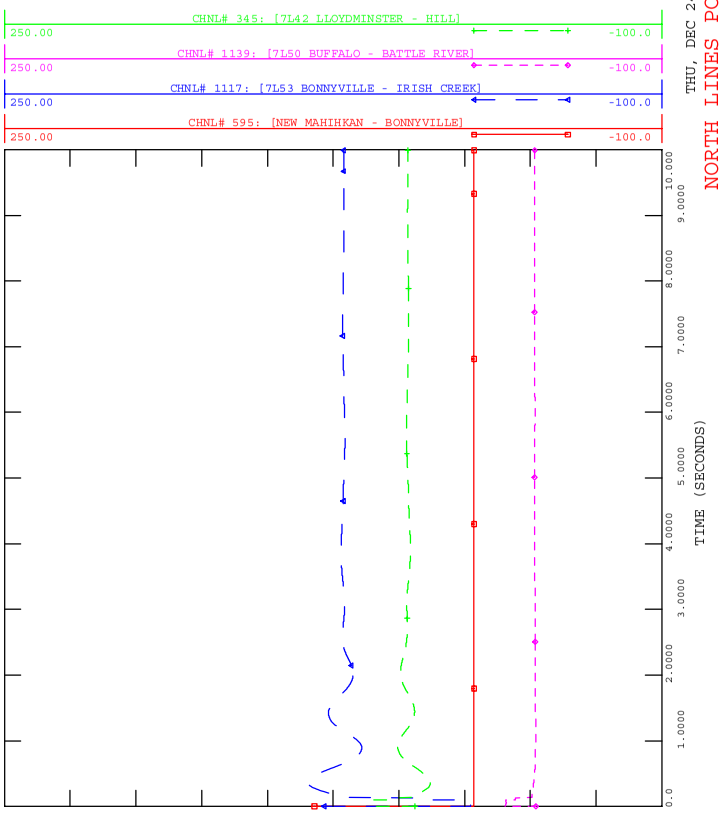


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

NORTH LINES POWER FLOW

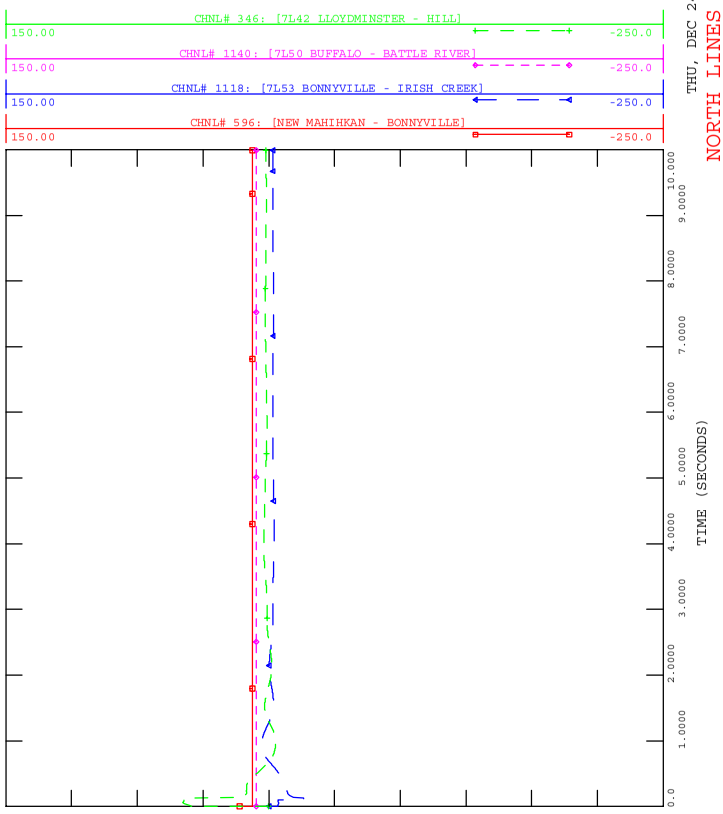


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

NORTH LINES VAR FLOW

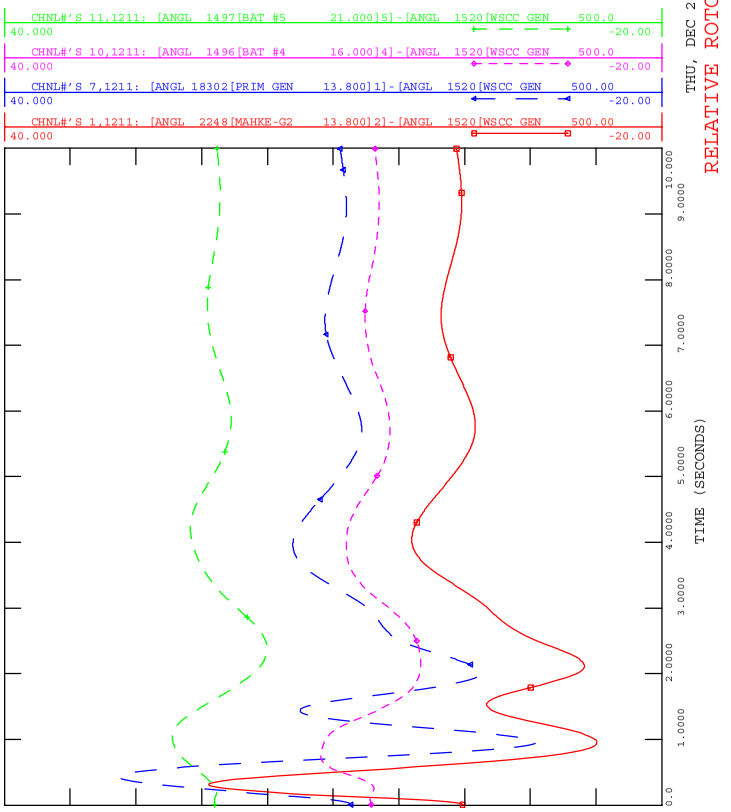


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

RELATIVE ROTOR ANGLES

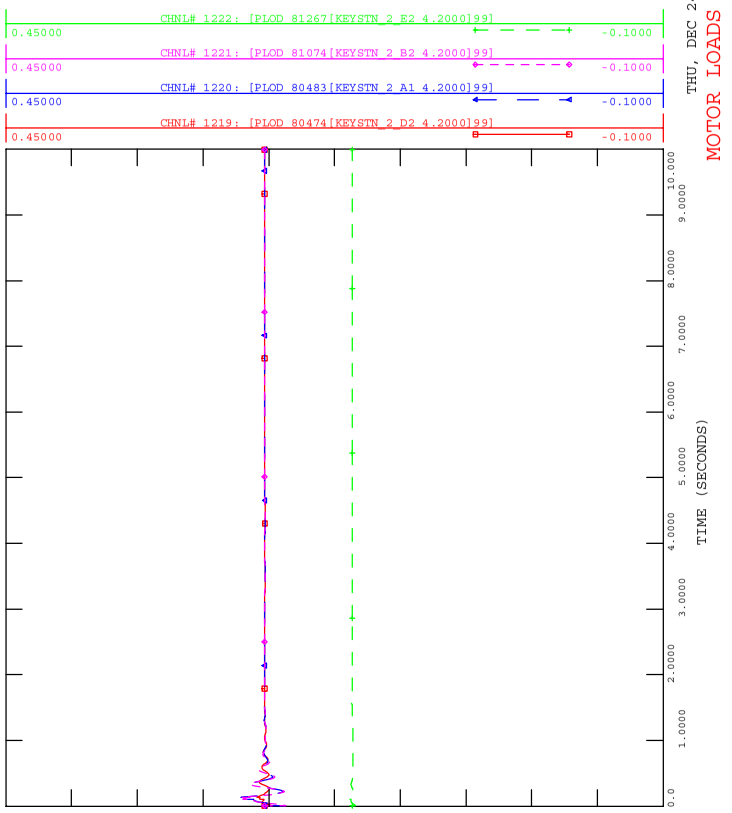


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP II

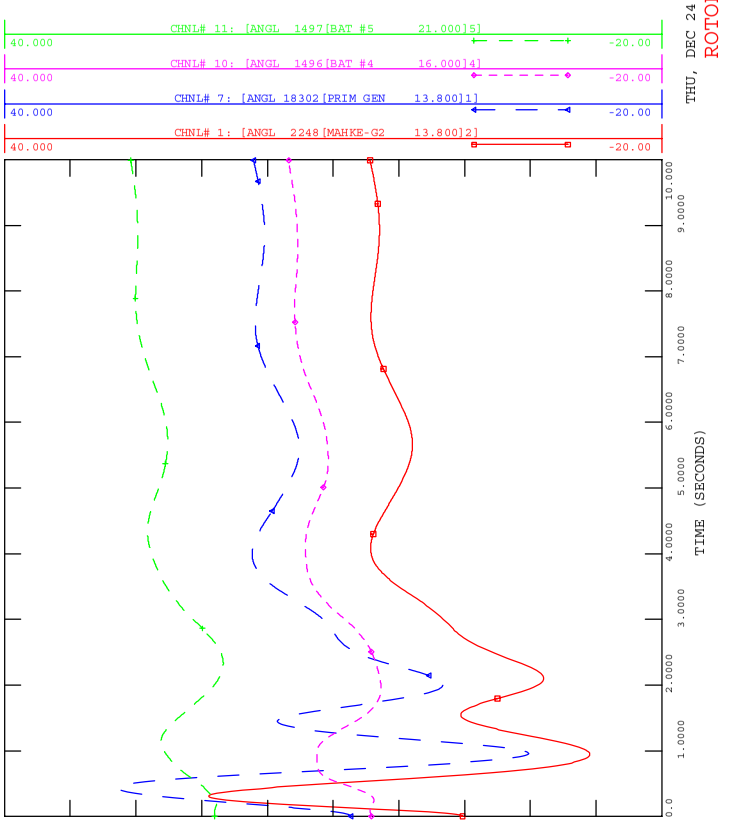


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

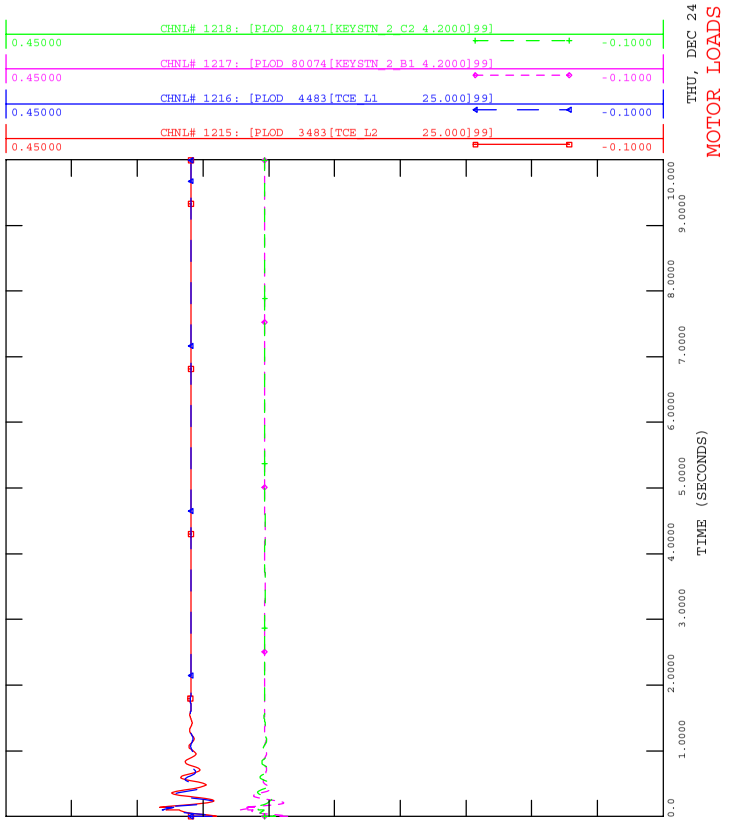


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP I

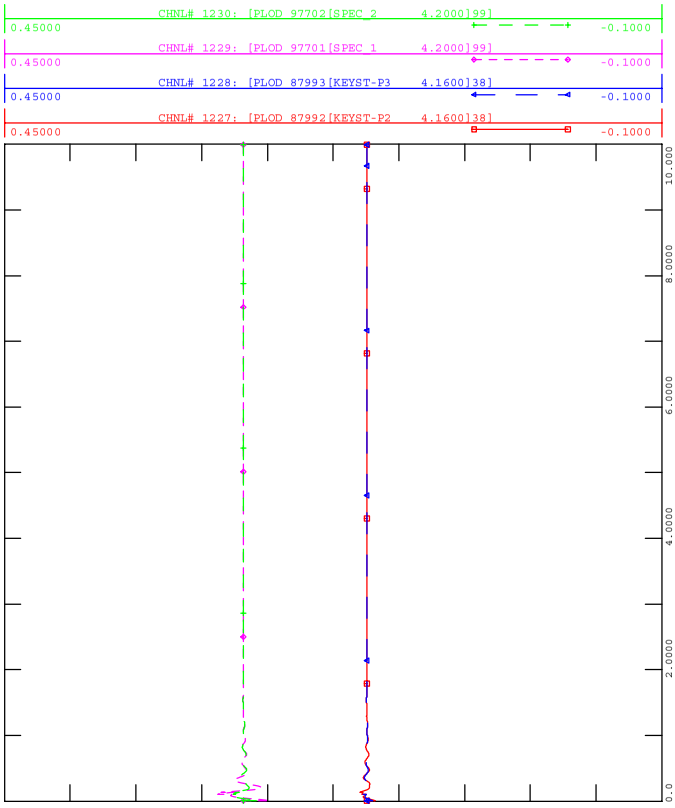


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP IV

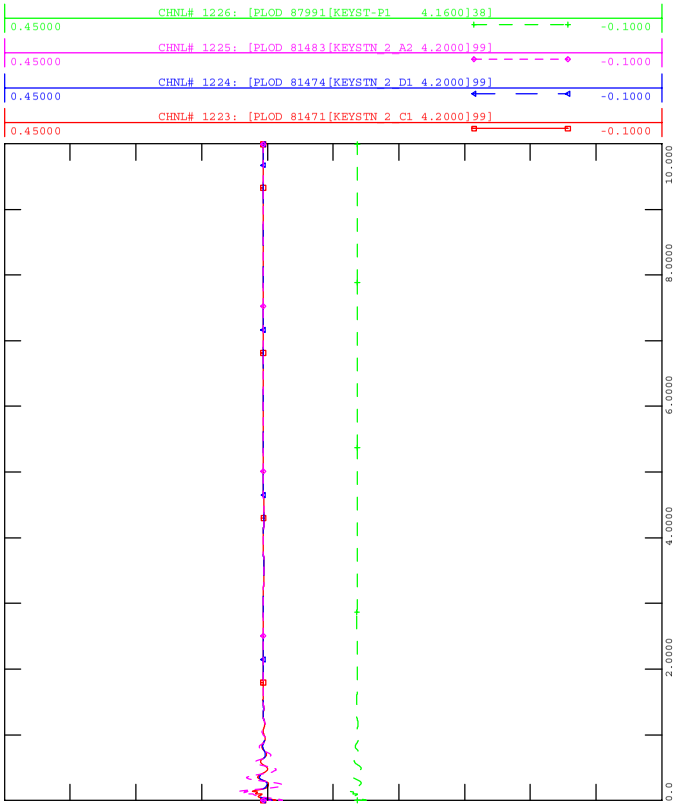


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-5fault.out

THU, DEC 24 2009 8:09

MOTOR LOADS GROUP III

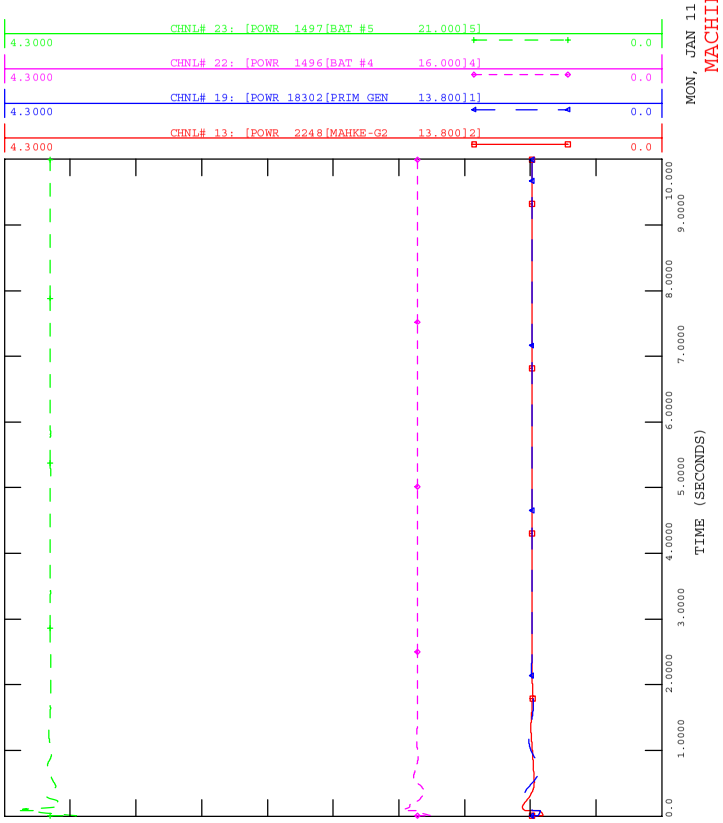


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

MACHINE POWER

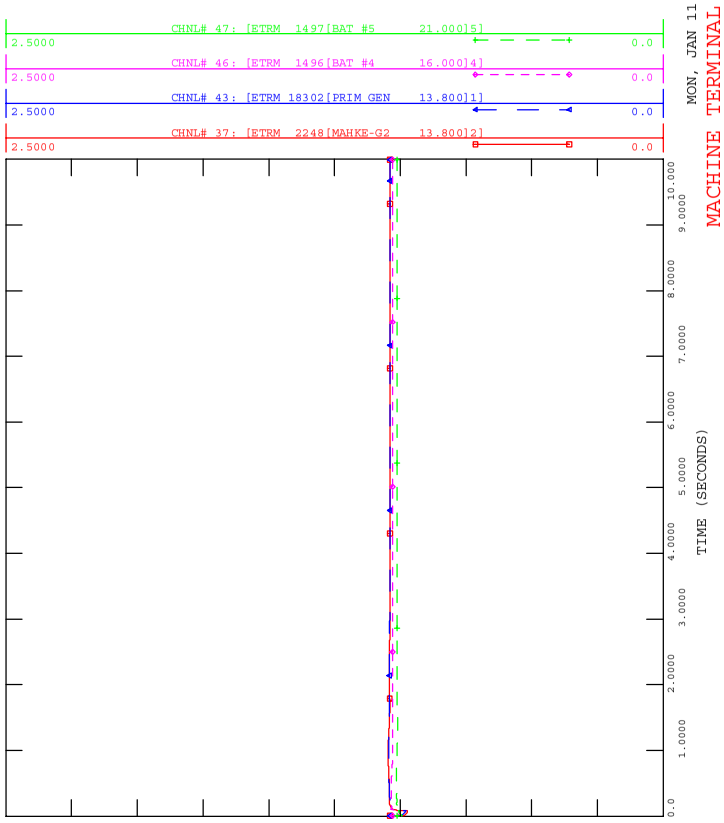


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

MACHINE TERMINAL VOLTAGE

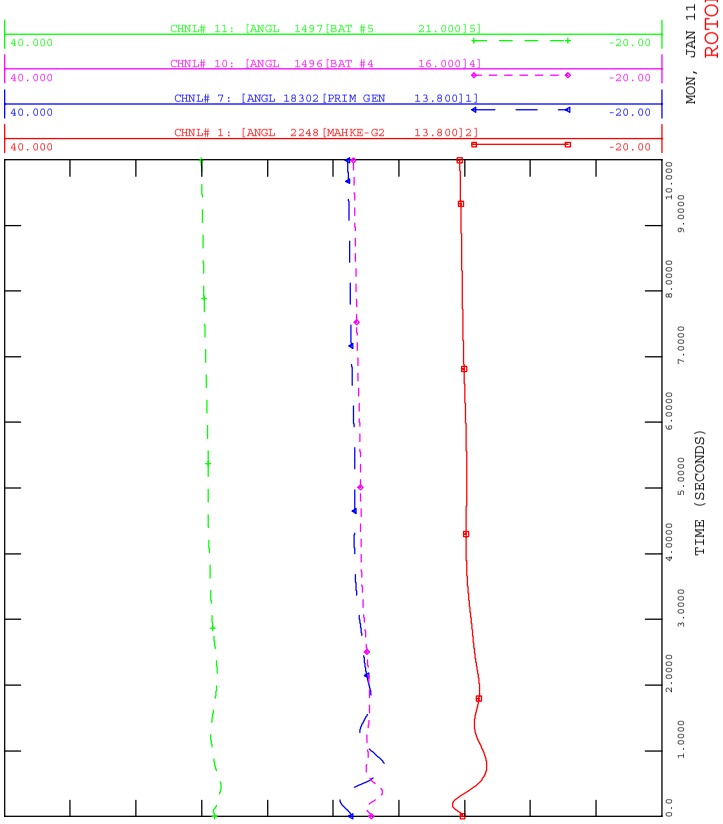


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

ROTOR ANGLES

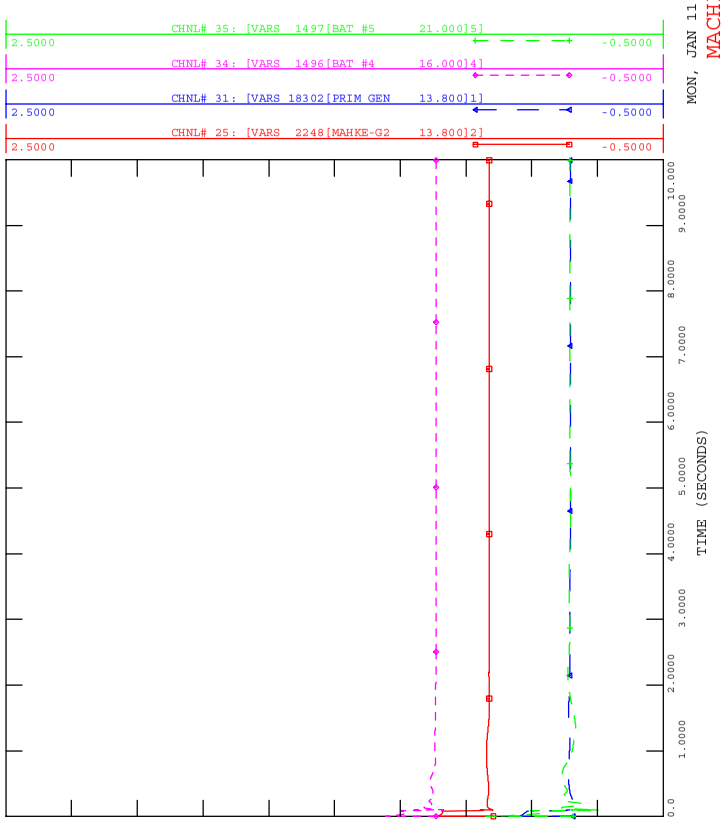


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

MACHINE VARS

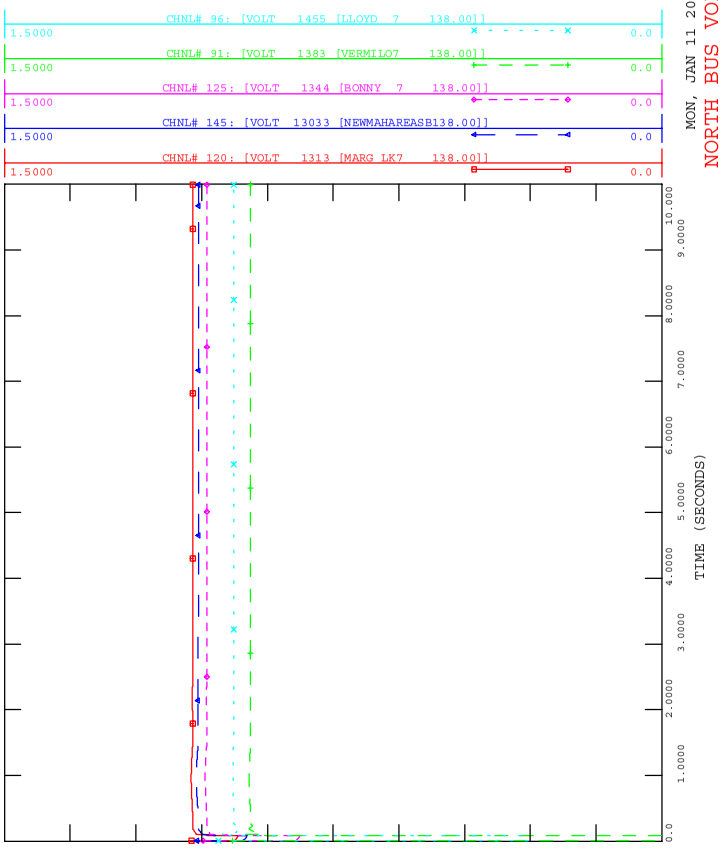


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

NORTH BUS VOLTAGES

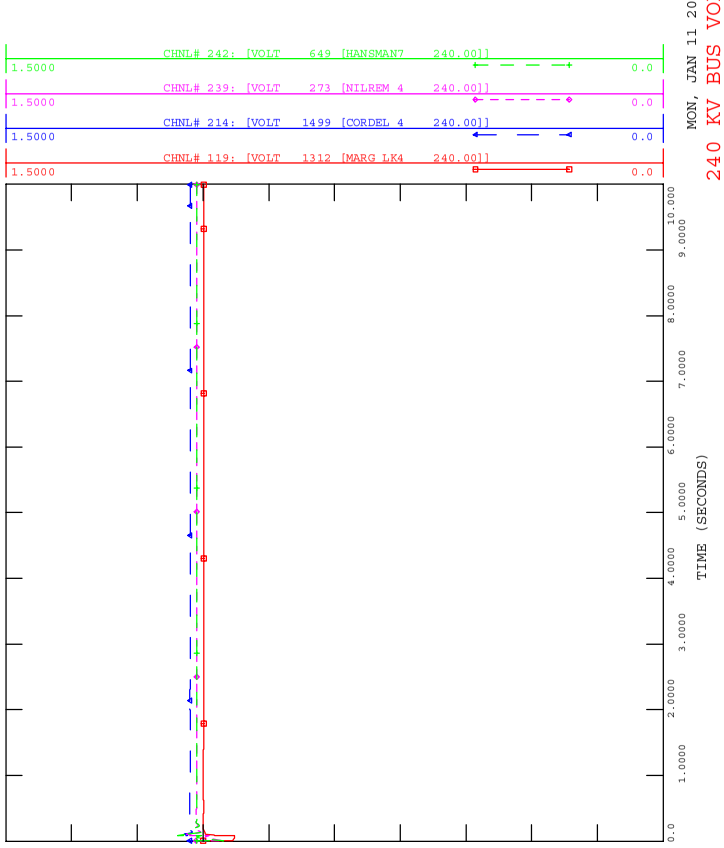


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

240 KV BUS VOLTAGES

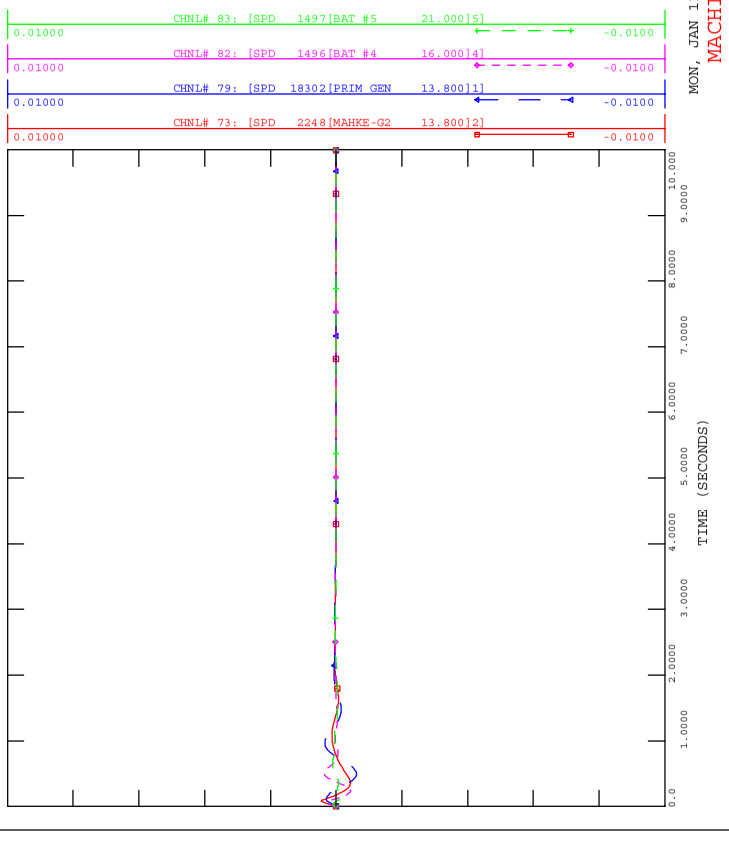


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

MACHINE SPEED

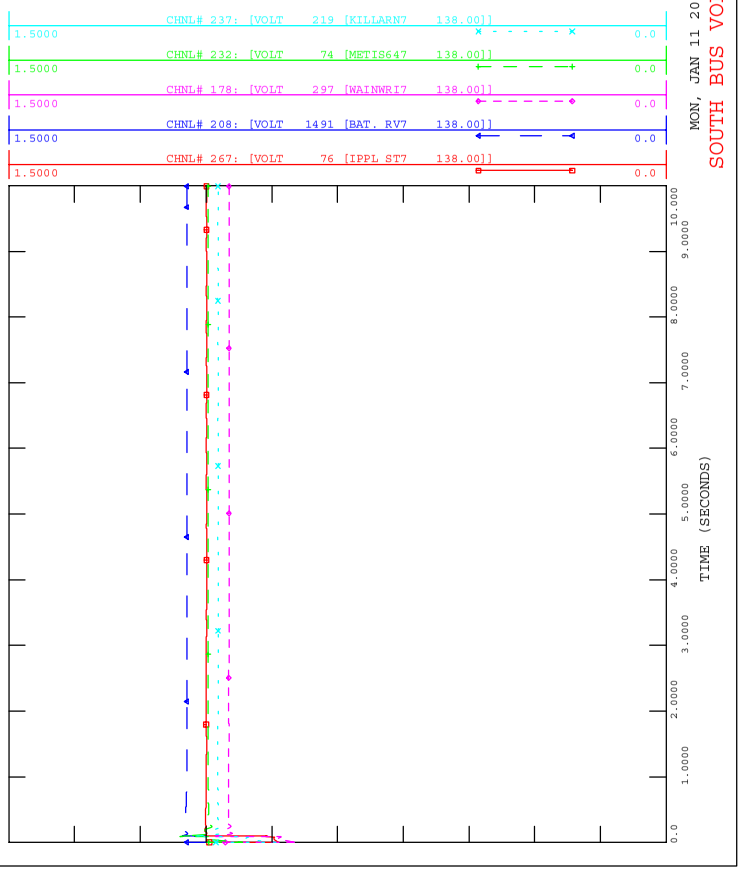


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

SOUTH BUS VOLTAGES

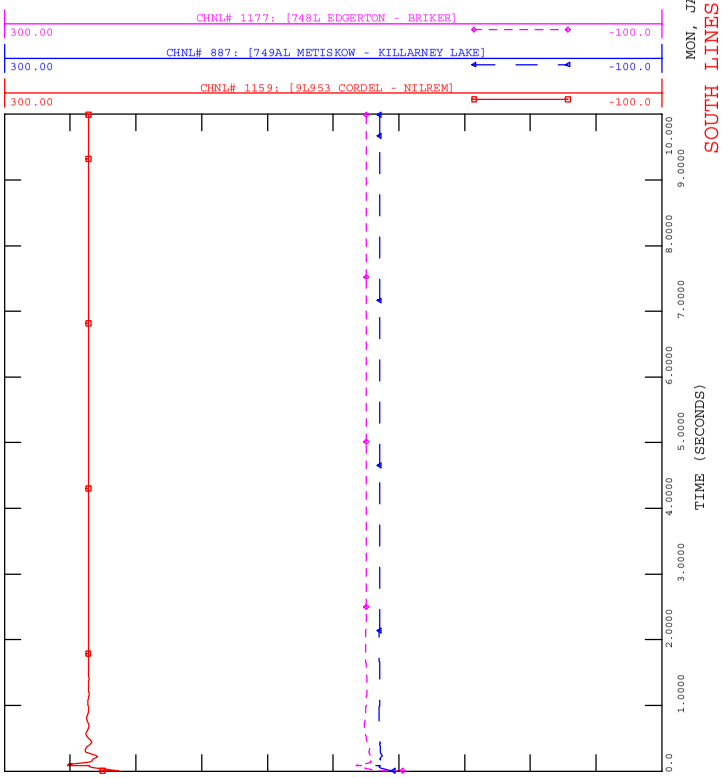


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

SOUTH LINES POWER FLOW

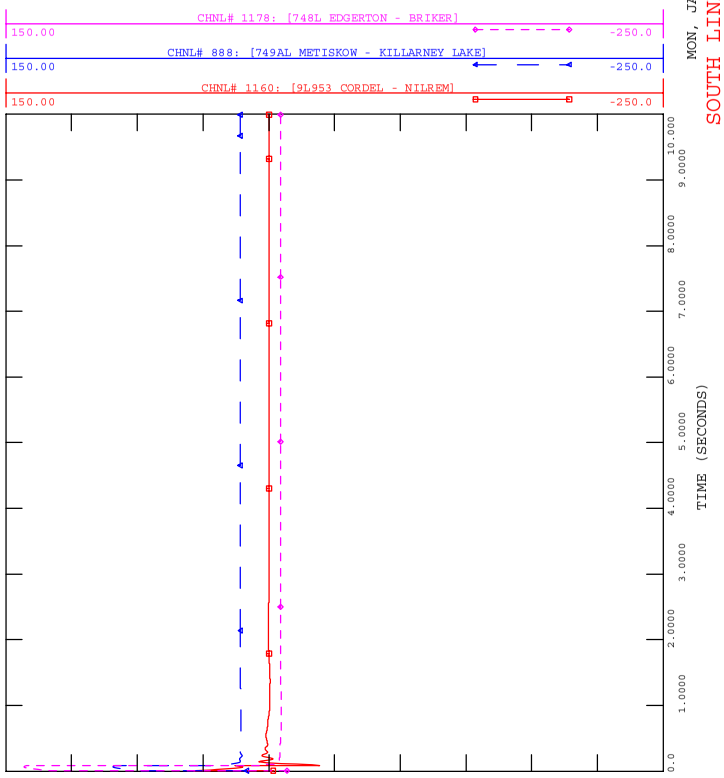


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

SOUTH LINES VAR FLOW

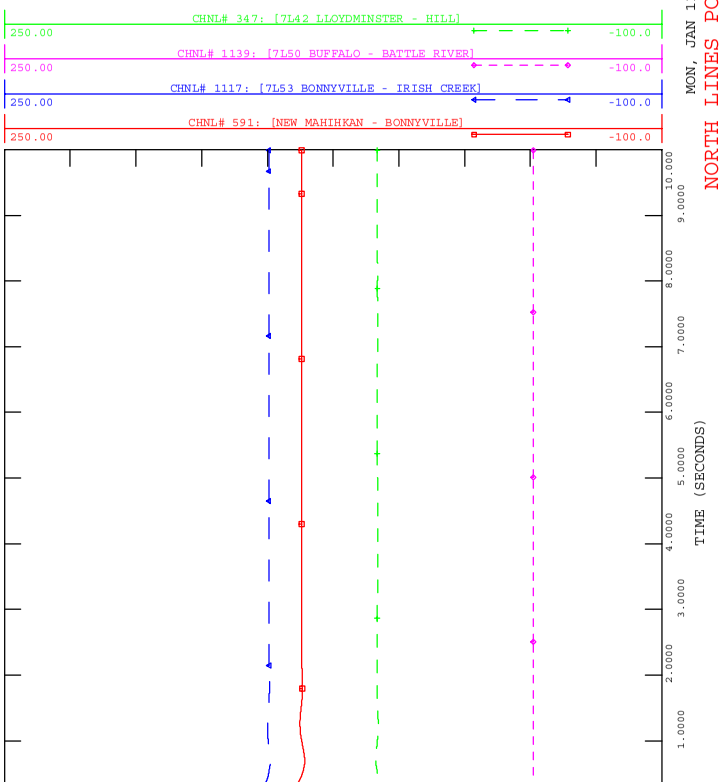


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

NORTH LINES POWER FLOW

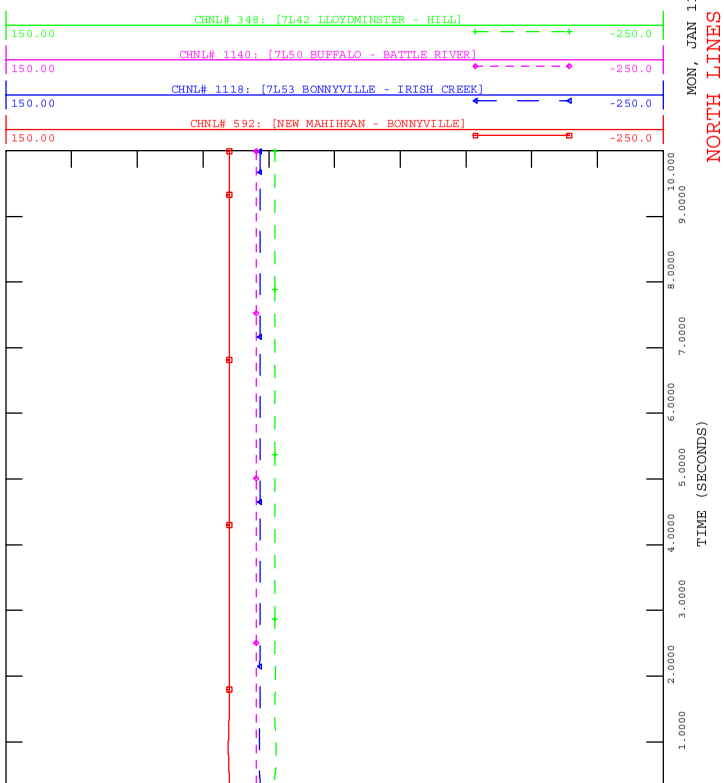


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

NORTH LINES VAR FLOW

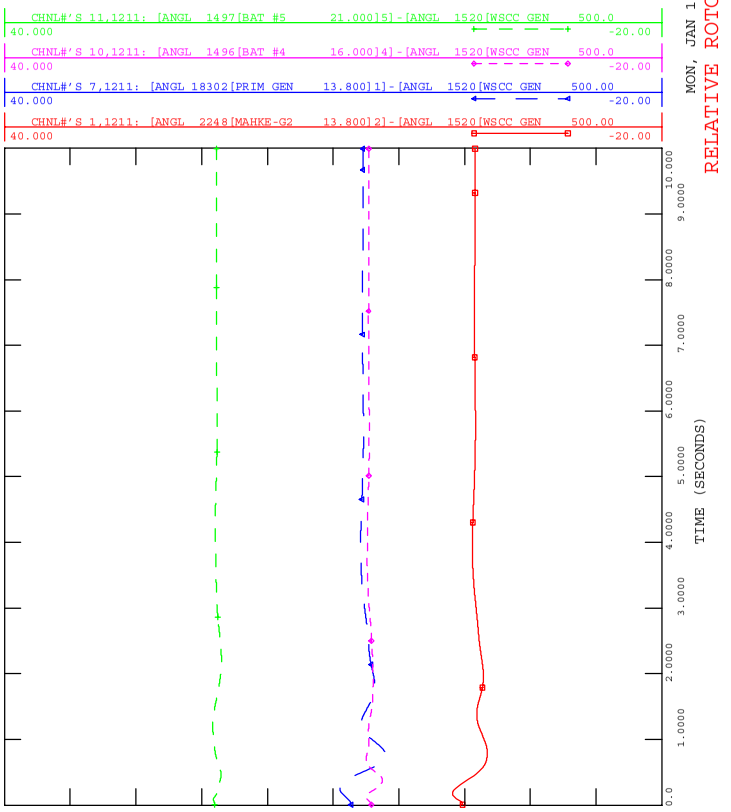


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

RELATIVE ROTOR ANGLES

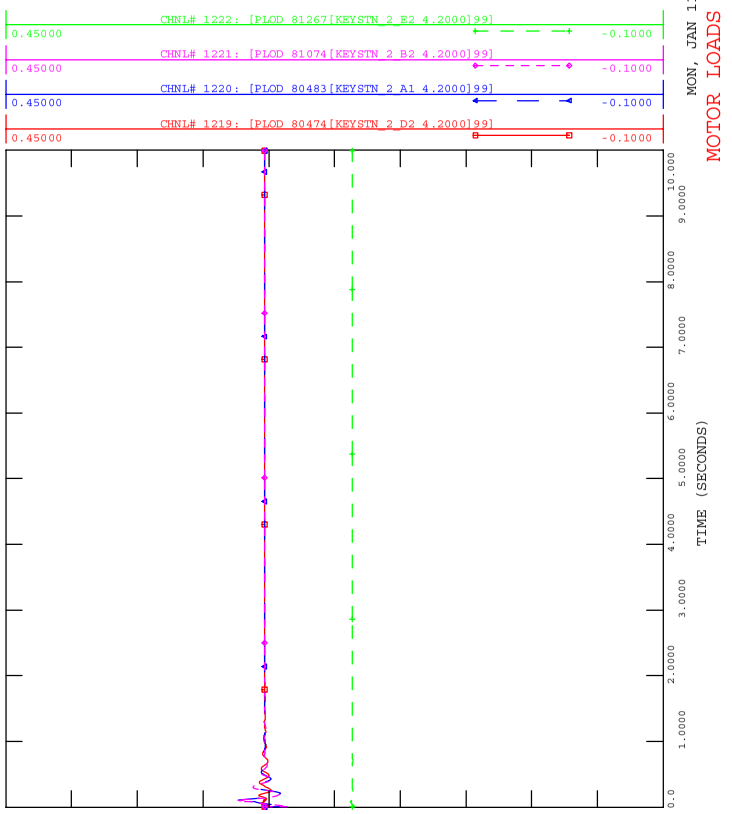


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

MOTOR LOADS GROUP II

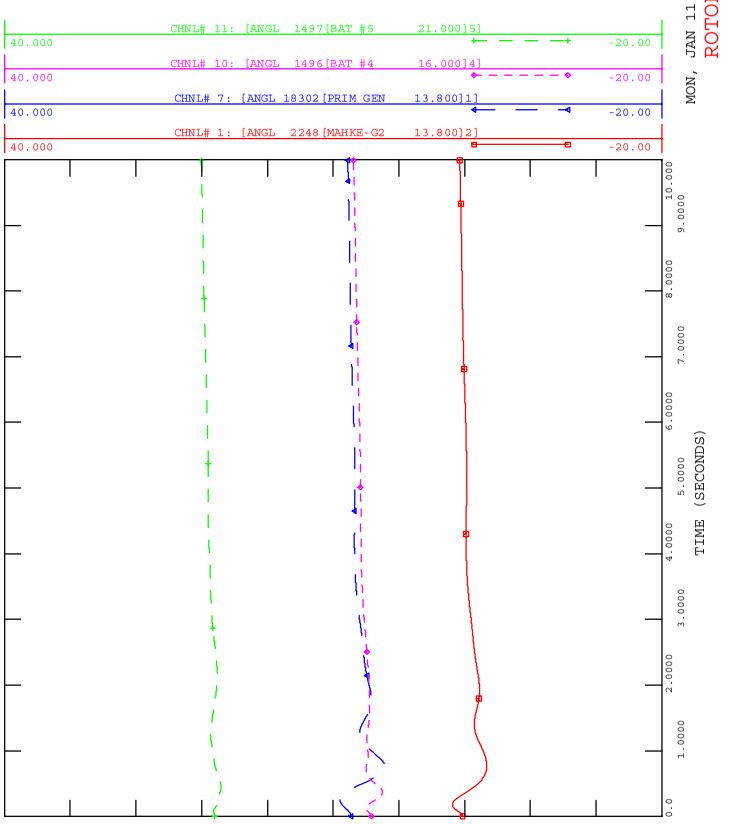


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-6fault.out

MON, JAN 11 2010 16:33

ROTOR ANGLES

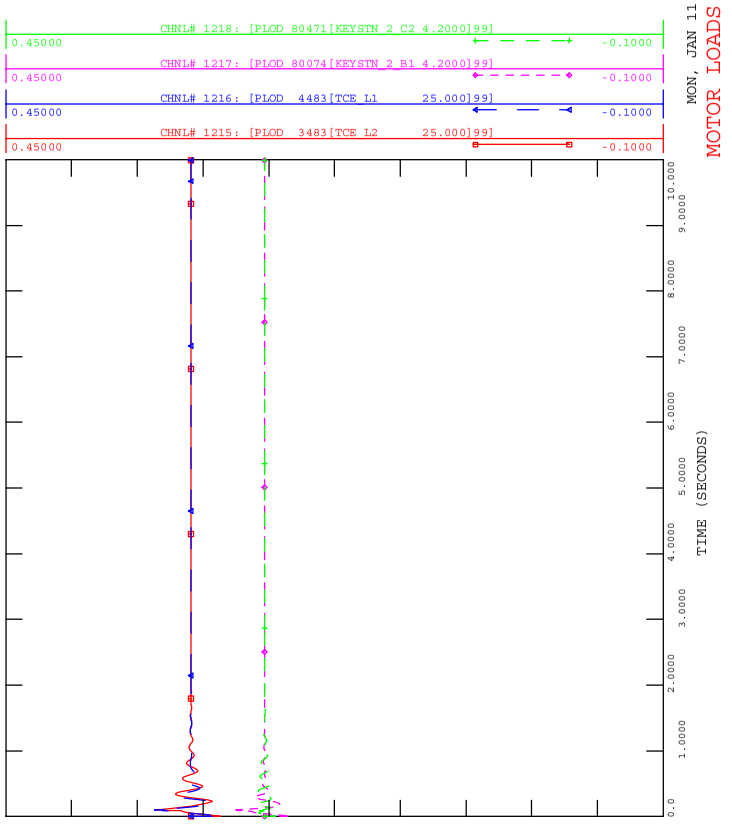


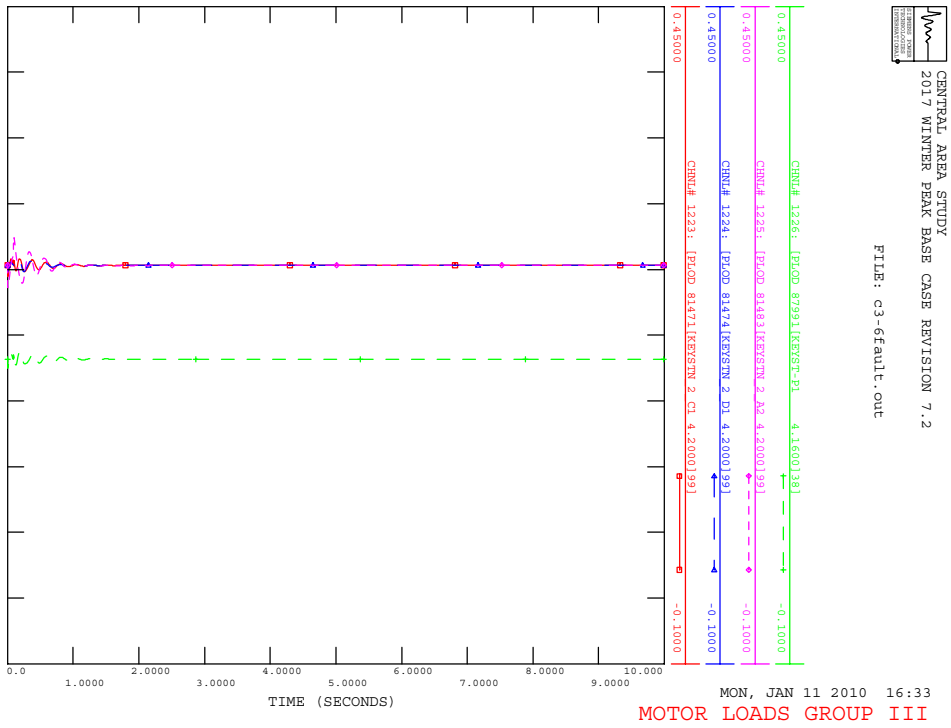
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

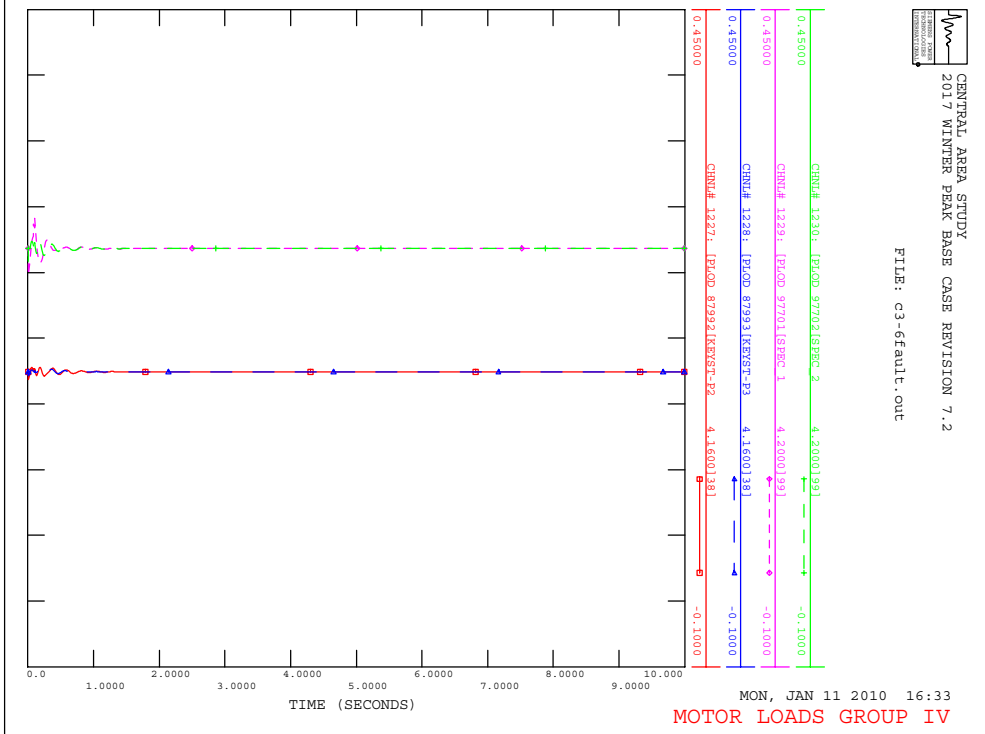
FILE: c3-6fault.out

MON, JAN 11 2010 16:33

MOTOR LOADS GROUP I




CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2
FILE: c3-6fault.out
0.45000
CHNL# 1223: [PLOD 81471[KEYSTN 2 C1 4.2000]99]
CHNL# 1224: [PLOD 81474[KEYSTN 2 D1 4.2000]99]
CHNL# 1225: [PLOD 81483[KEYSTN 2 A2 4.2000]99]
CHNL# 1226: [PLOD 87991[KEYST-P1 4.1600]38]
-0.1000
0.0
1.0000
2.0000
3.0000
4.0000
5.0000
6.0000
7.0000
8.0000
9.0000
10.000
TIME (SECONDS)
MON, JAN 11 2010 16:33
MOTOR LOADS GROUP III

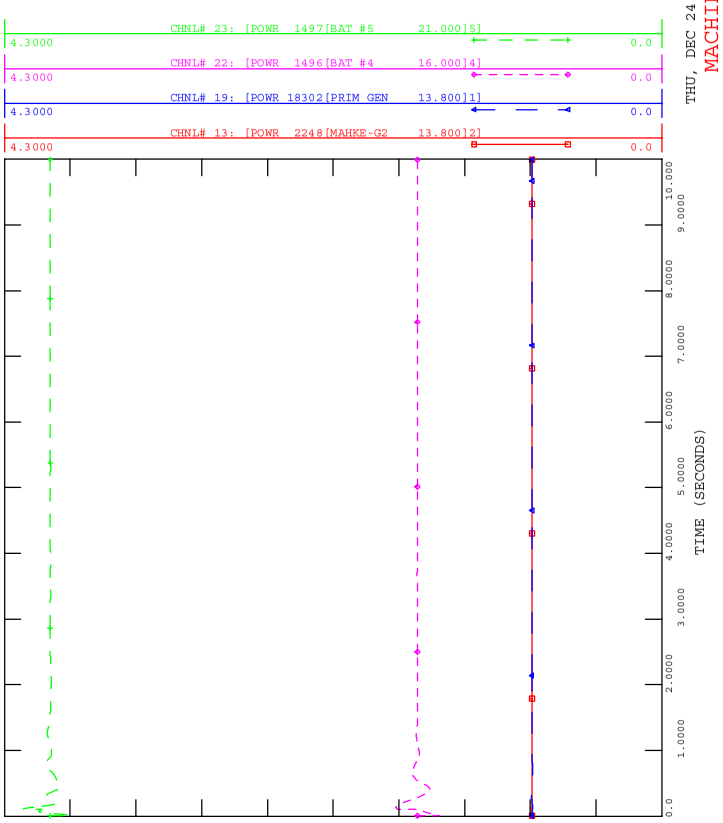

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2
FILE: c3-6fault.out
0.45000
CHNL# 1227: [PLOD 87992[KEYST-P2 4.1600]38]
CHNL# 1228: [PLOD 87993[KEYST-P3 4.1600]38]
CHNL# 1229: [PLOD 97701[GPEC 1 4.2000]99]
CHNL# 1230: [PLOD 97702[GPEC 2 4.2000]99]
-0.1000
0.0
1.0000
2.0000
3.0000
4.0000
5.0000
6.0000
7.0000
8.0000
9.0000
10.000
TIME (SECONDS)
MON, JAN 11 2010 16:33
MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

MACHINE POWER

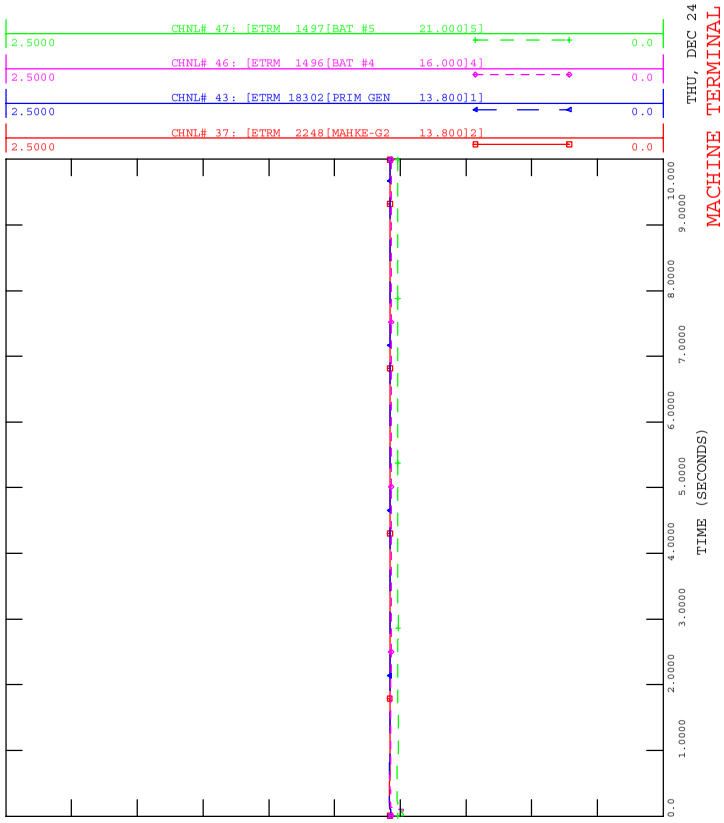


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

MACHINE TERMINAL VOLTAGE

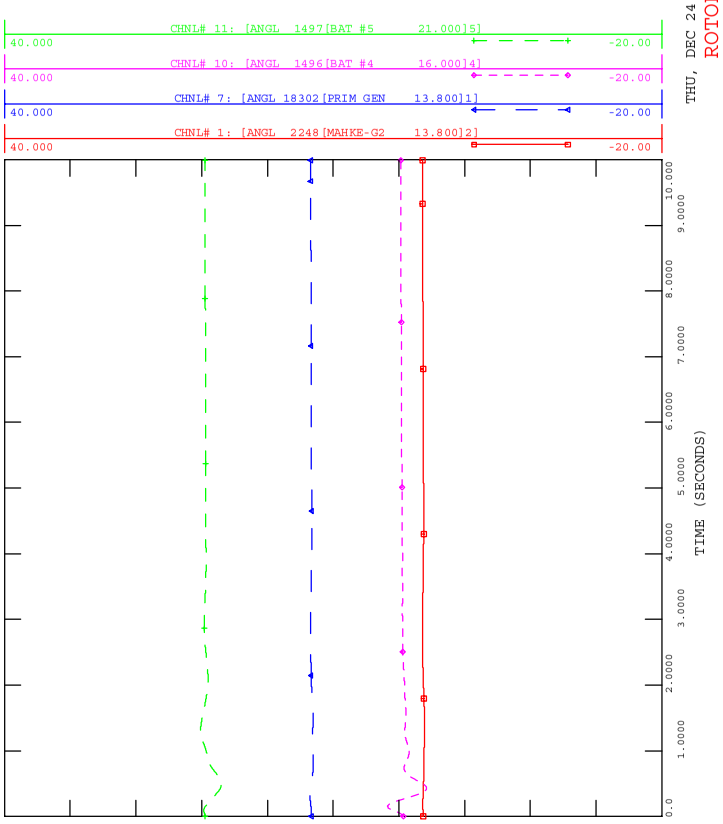


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

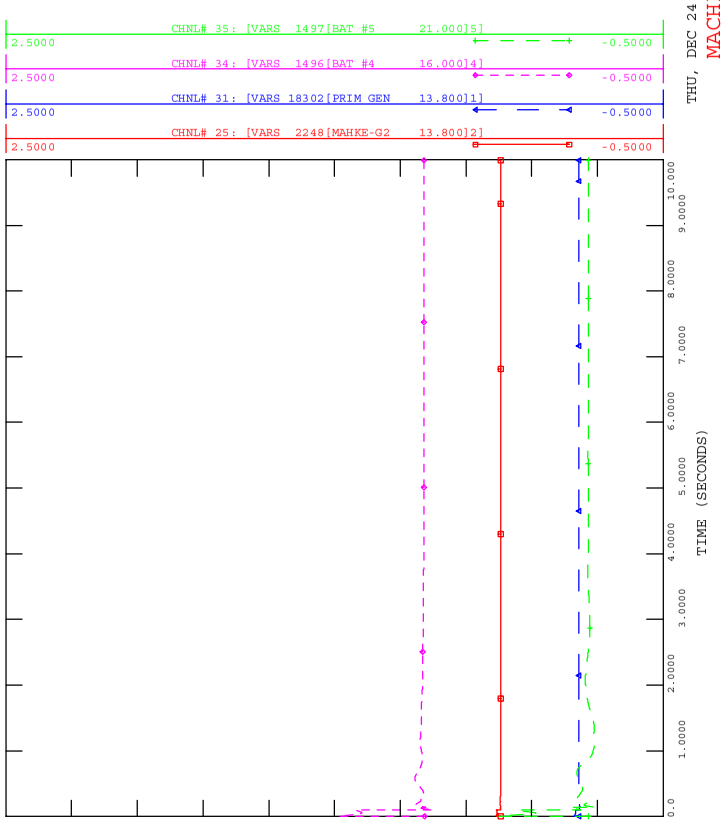


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

MACHINE VARS

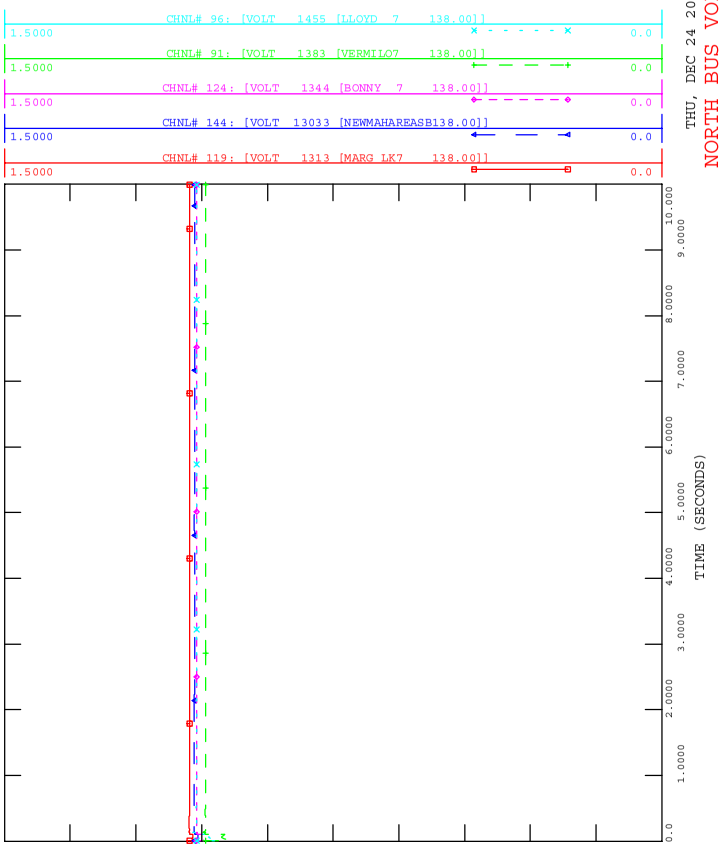


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

NORTH BUS VOLTAGES

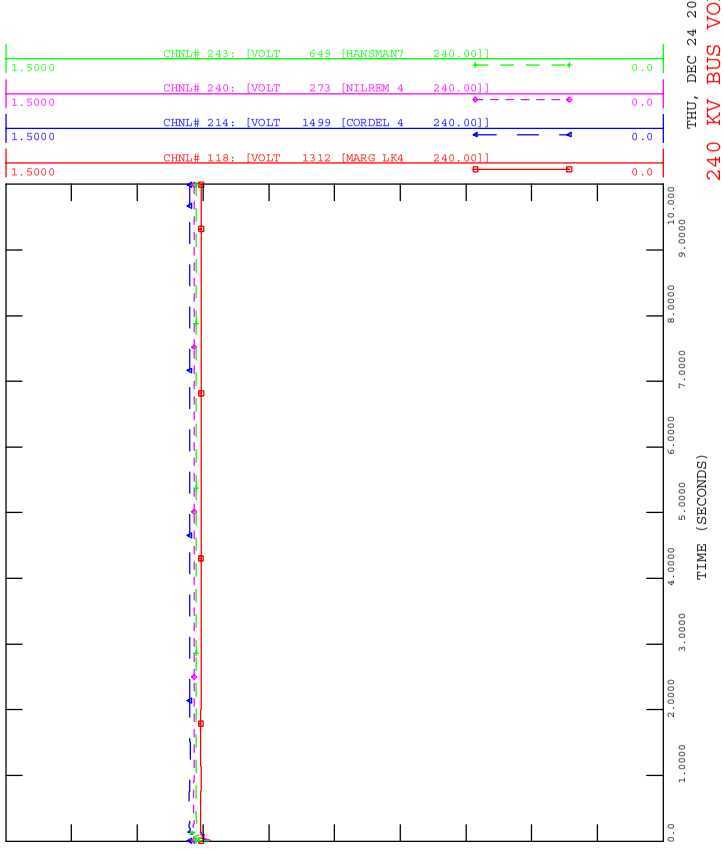


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

240 KV BUS VOLTAGES

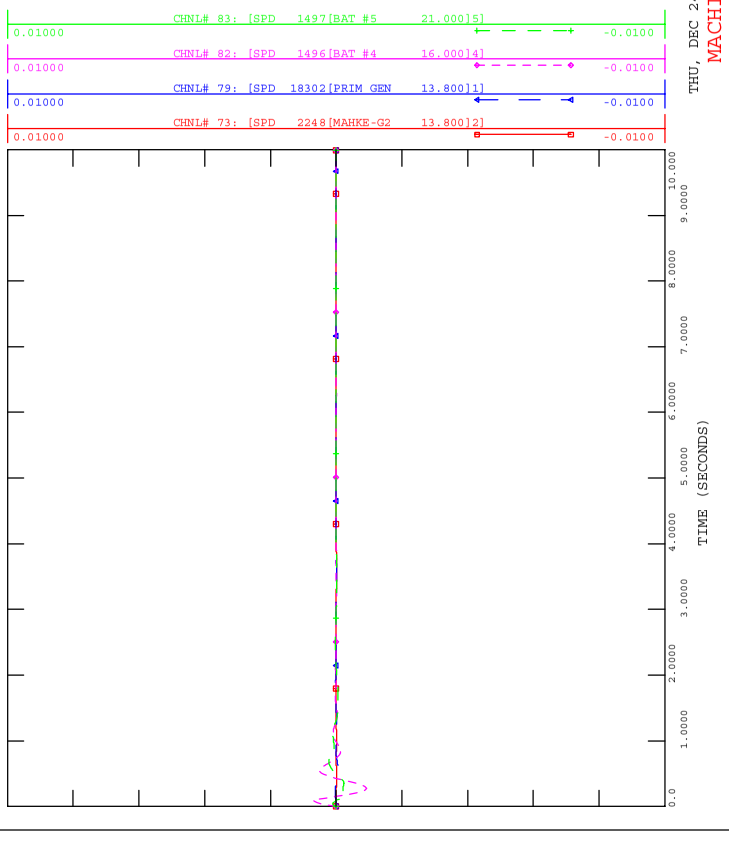


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

MACHINE SPEED

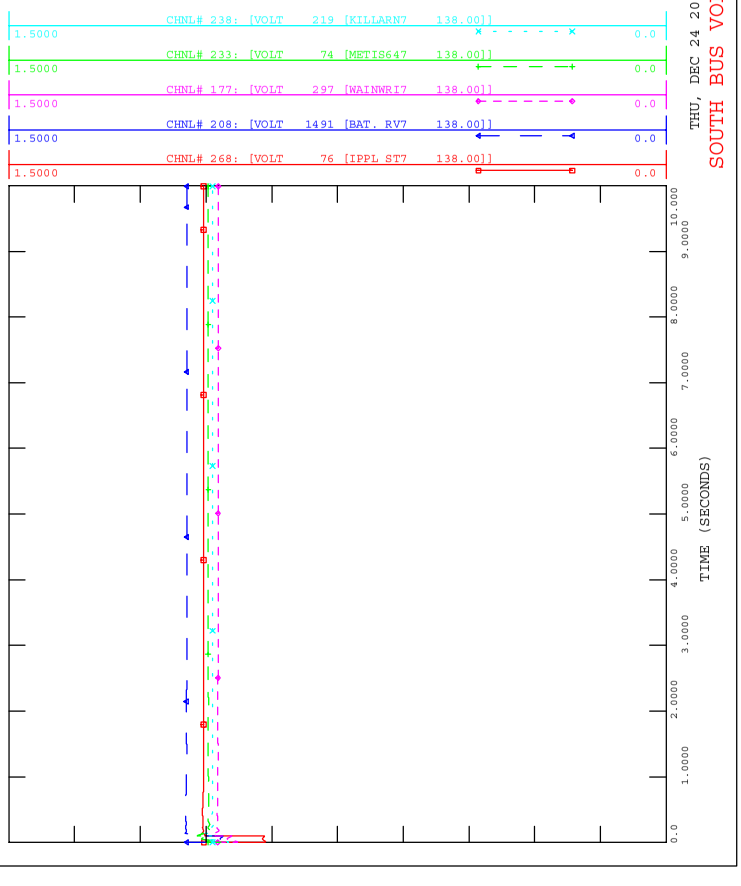


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

SOUTH BUS VOLTAGES

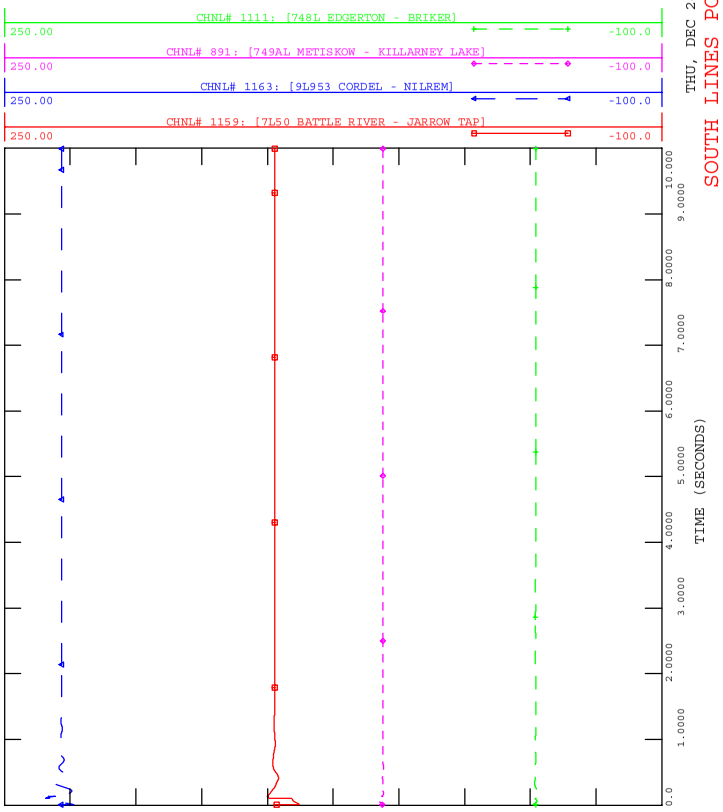


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

SOUTH LINES POWER FLOW

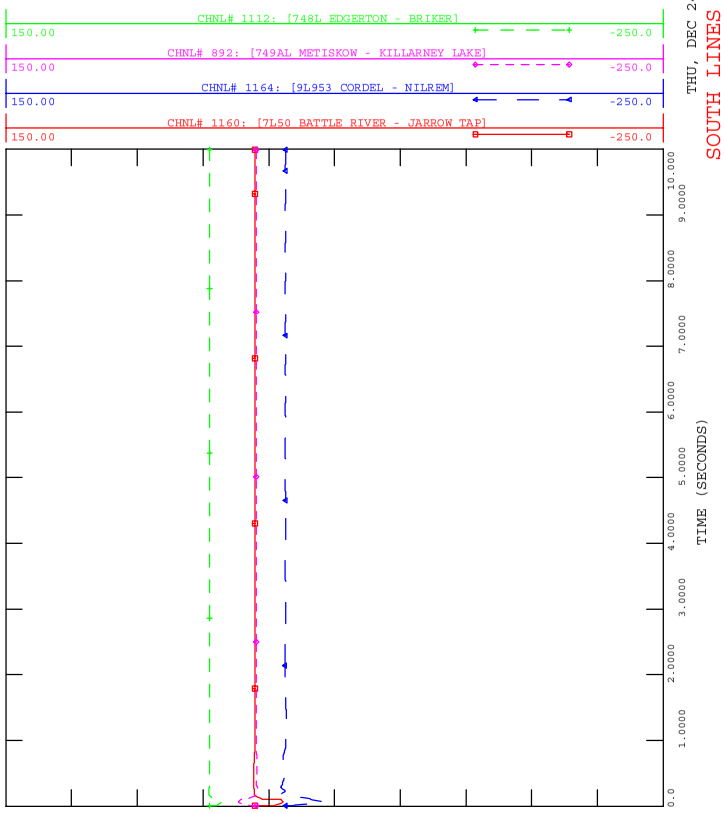


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

SOUTH LINES VAR FLOW

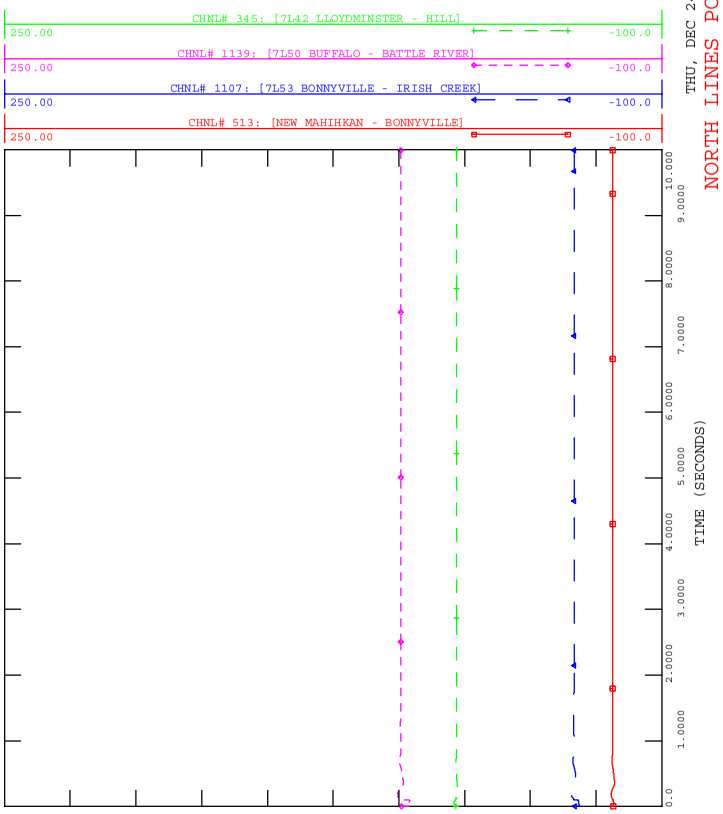


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

NORTH LINES POWER FLOW

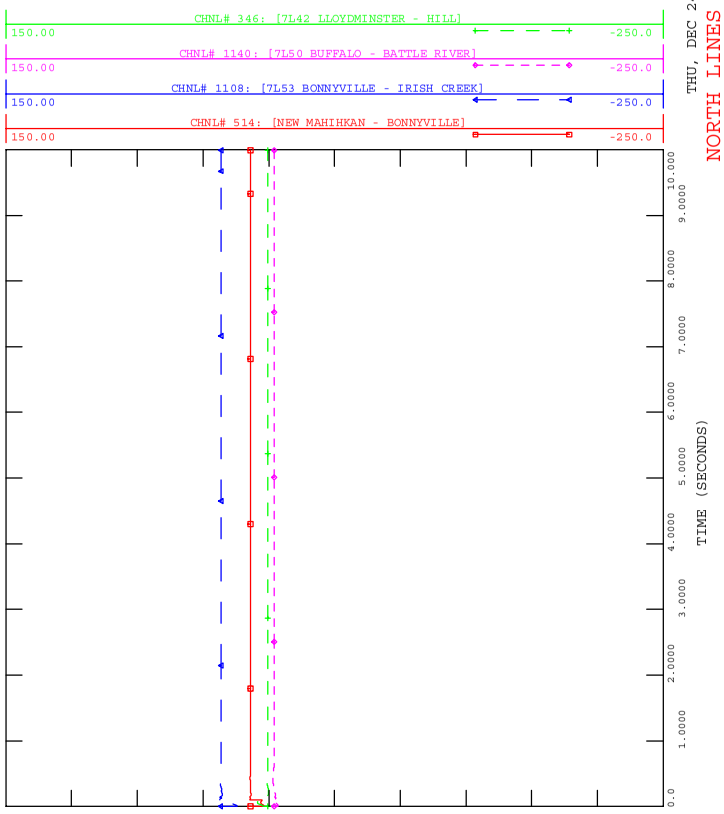


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-7fault.out

THU, DEC 24 2009 8:09

NORTH LINES VAR FLOW

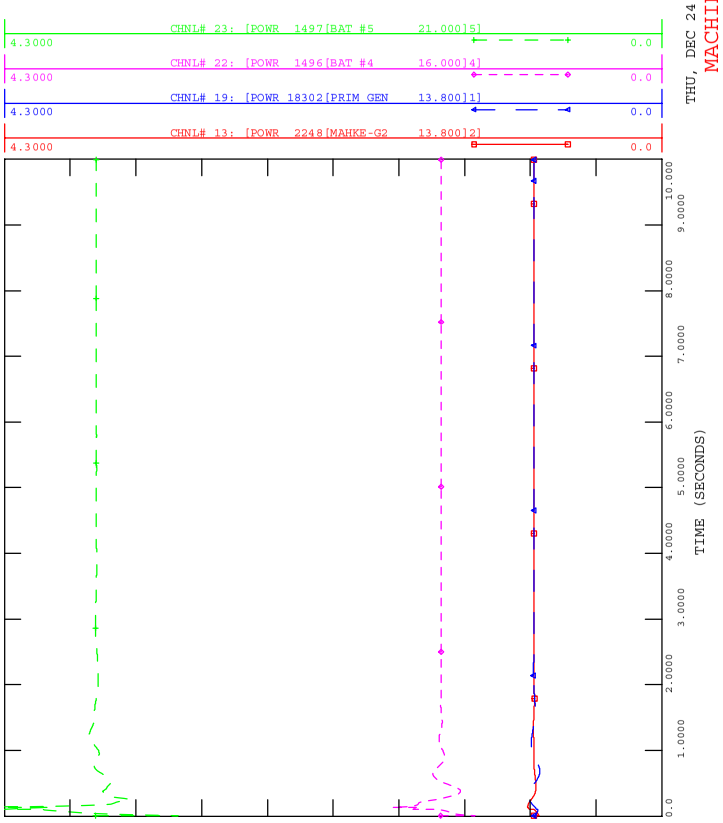


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

MACHINE POWER

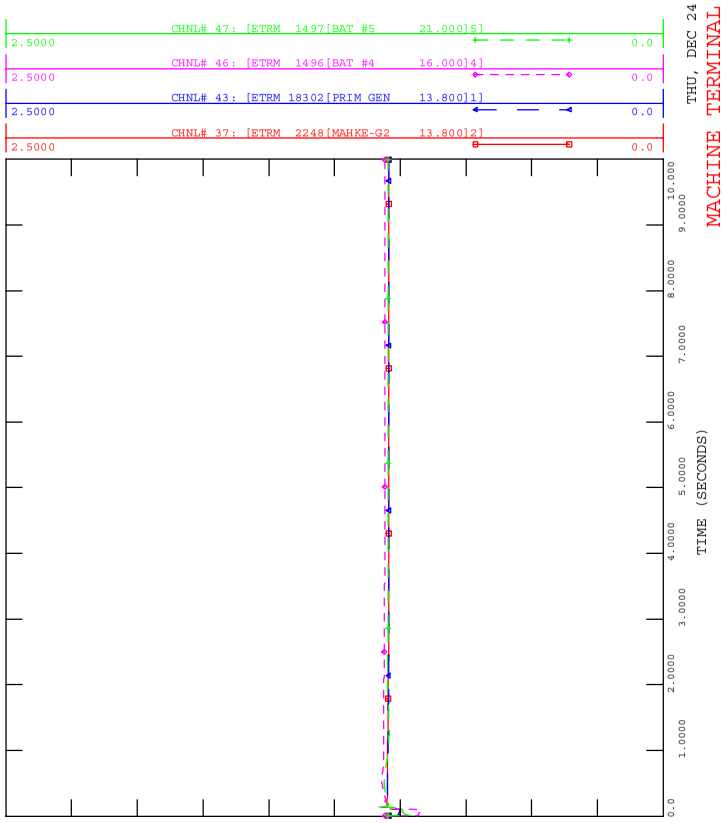


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

MACHINE TERMINAL VOLTAGE

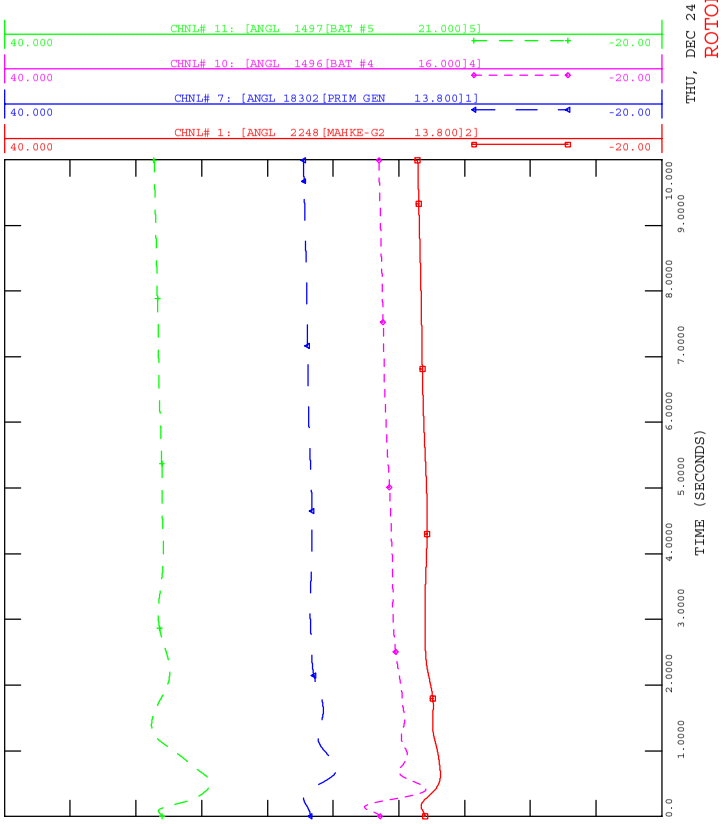


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

ROTOR ANGLES

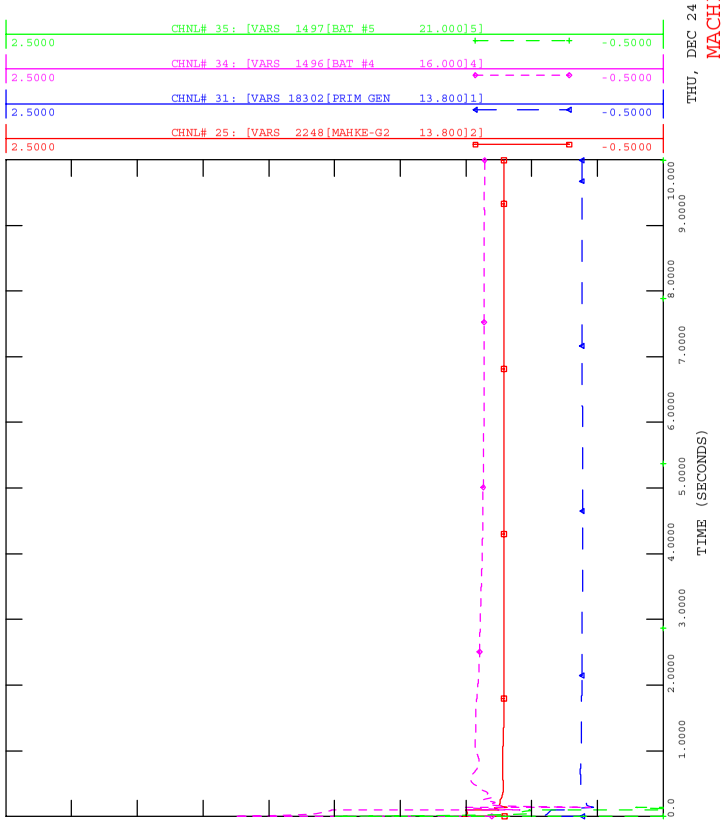


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

MACHINE VARS

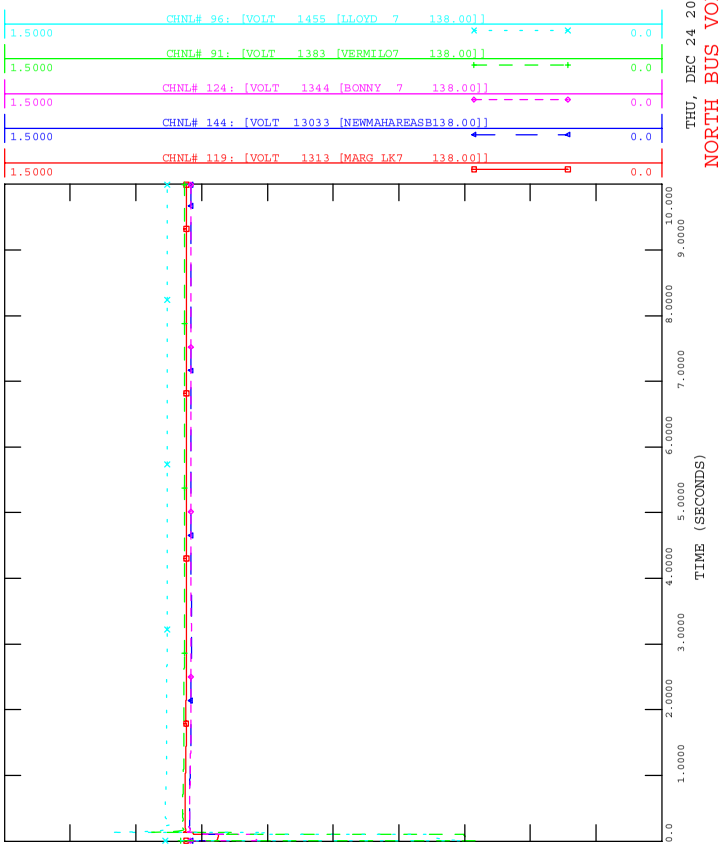


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

NORTH BUS VOLTAGES

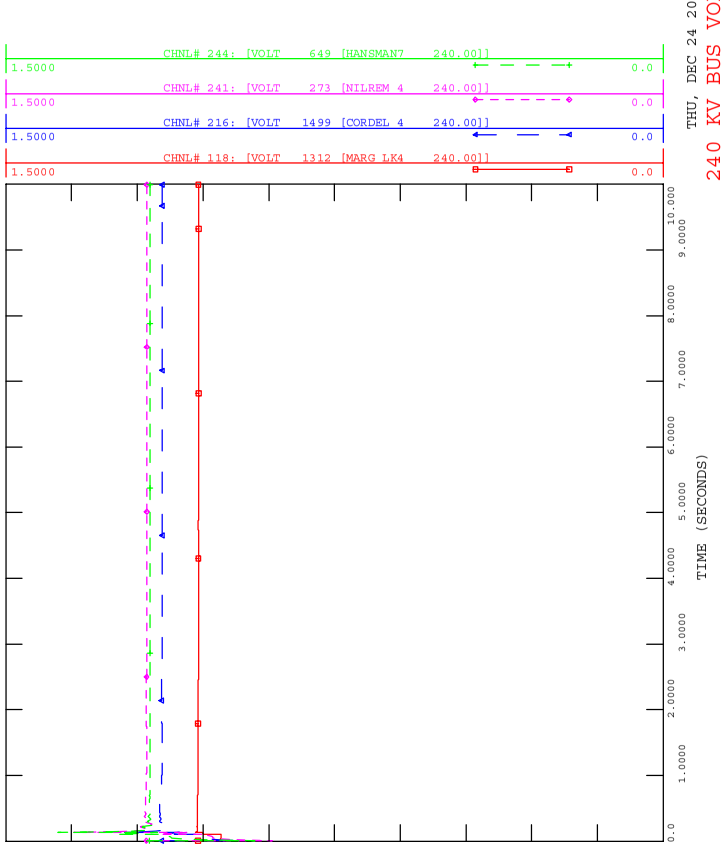


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

240 KV BUS VOLTAGES

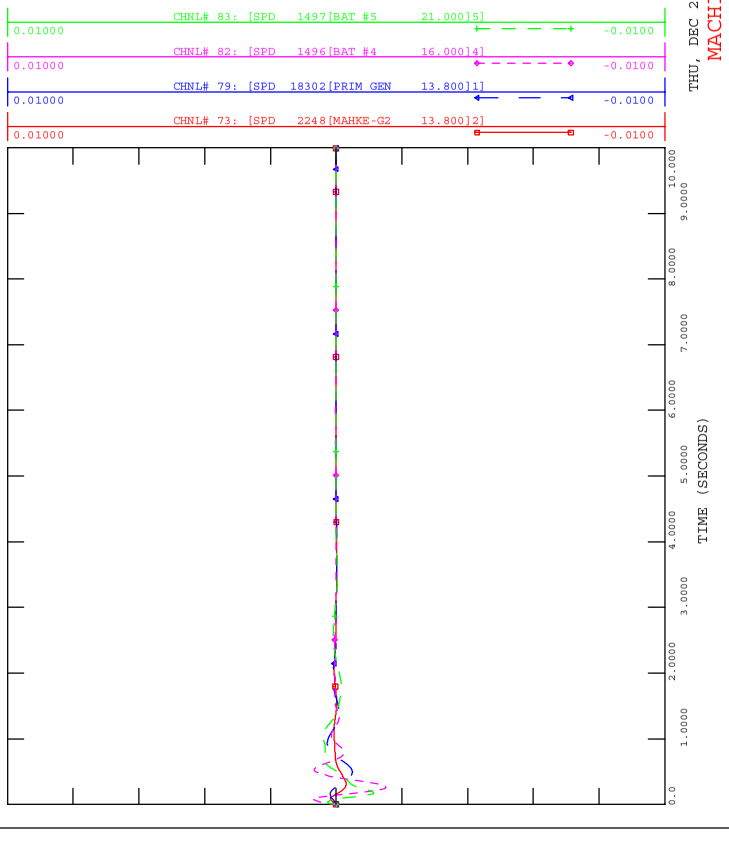


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

MACHINE SPEED

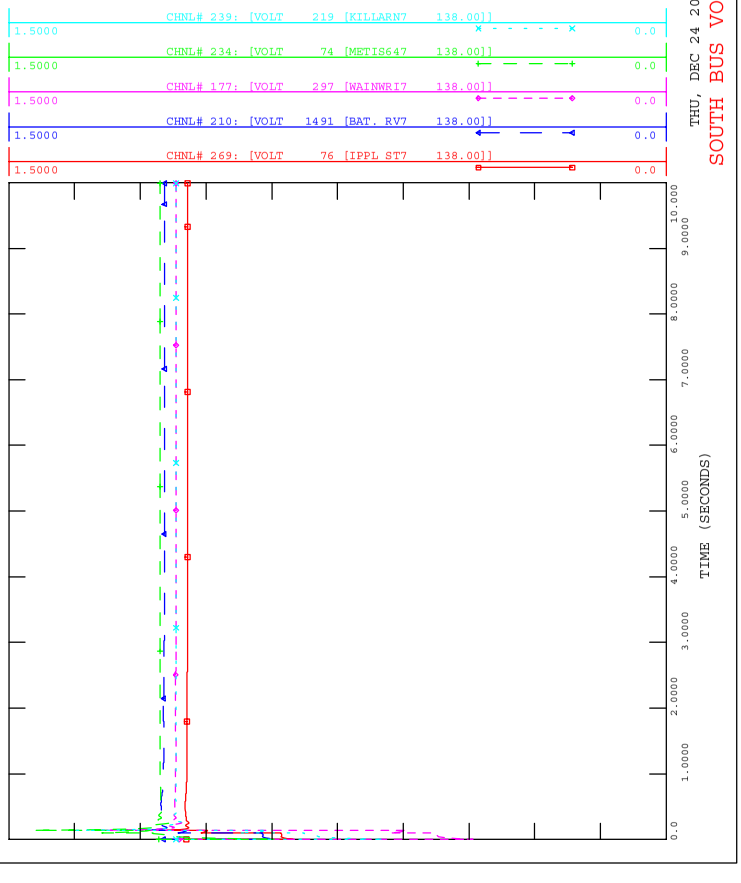


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

SOUTH BUS VOLTAGES

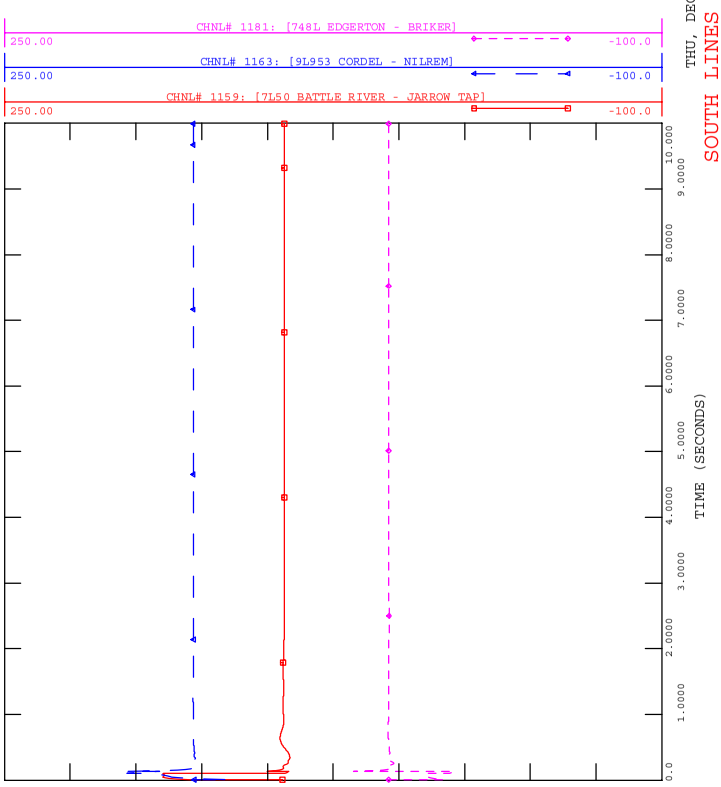


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:10

SOUTH LINES POWER FLOW

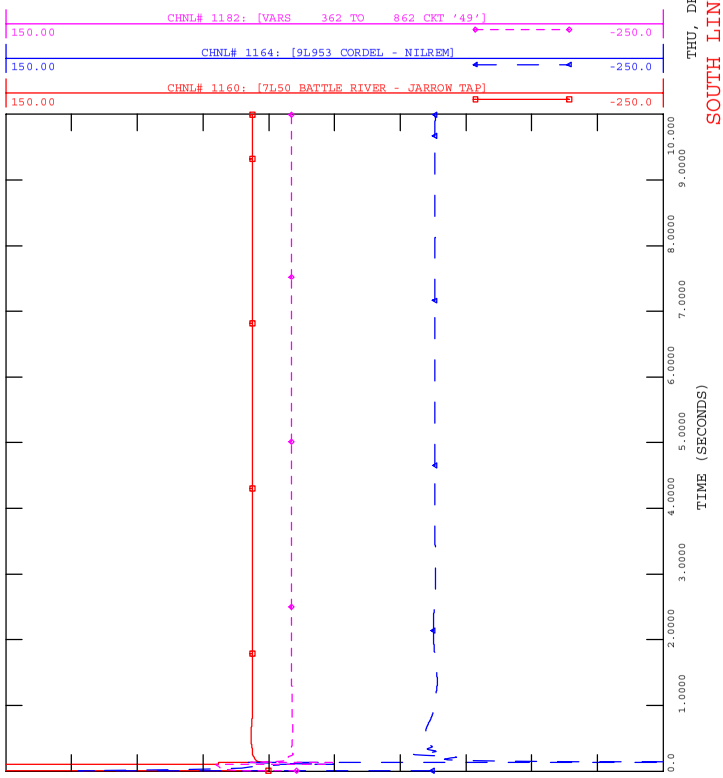


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:10

SOUTH LINES VAR FLOW

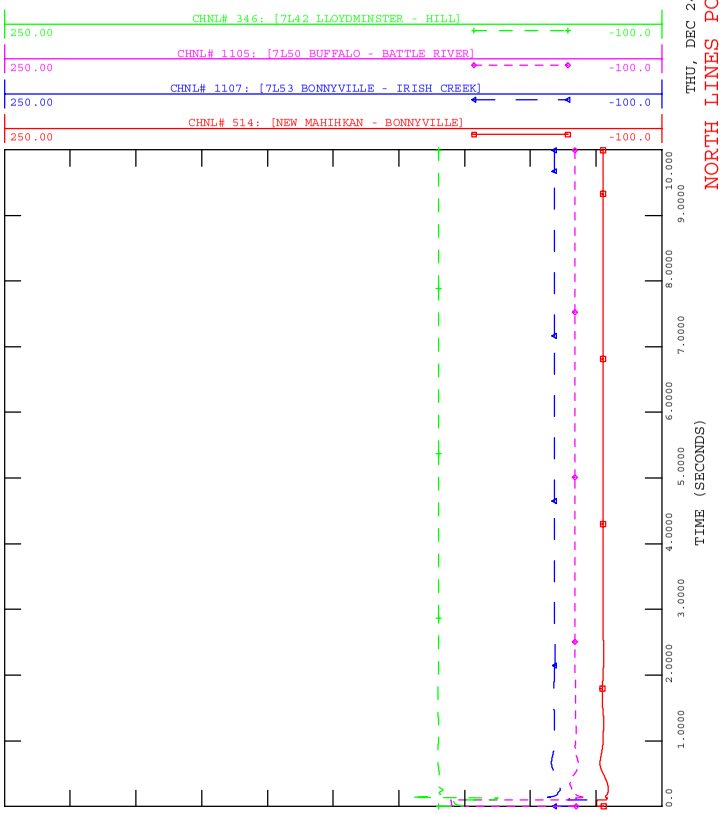


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:09

NORTH LINES POWER FLOW

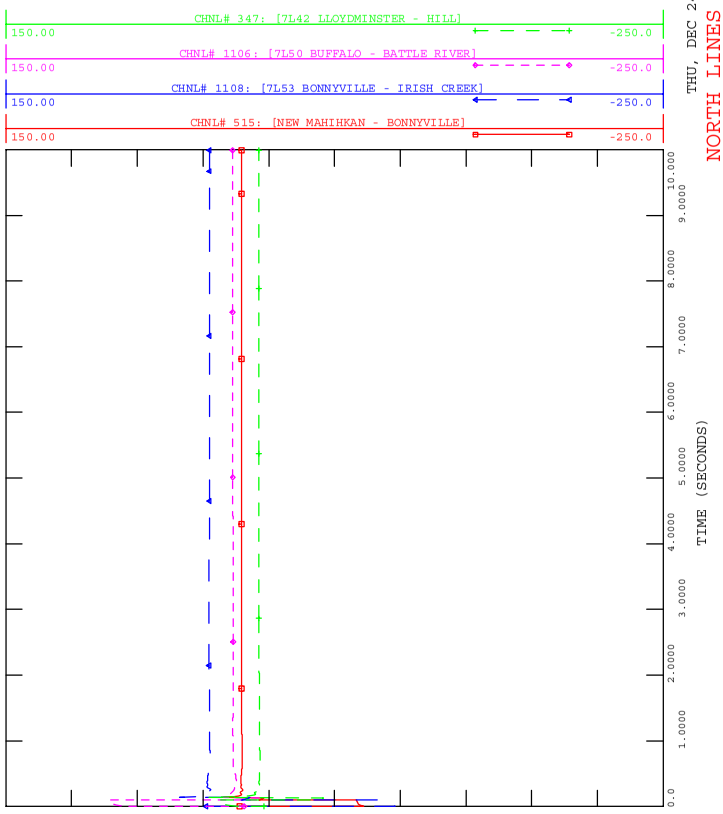


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-8fault.out

THU, DEC 24 2009 8:10

NORTH LINES VAR FLOW

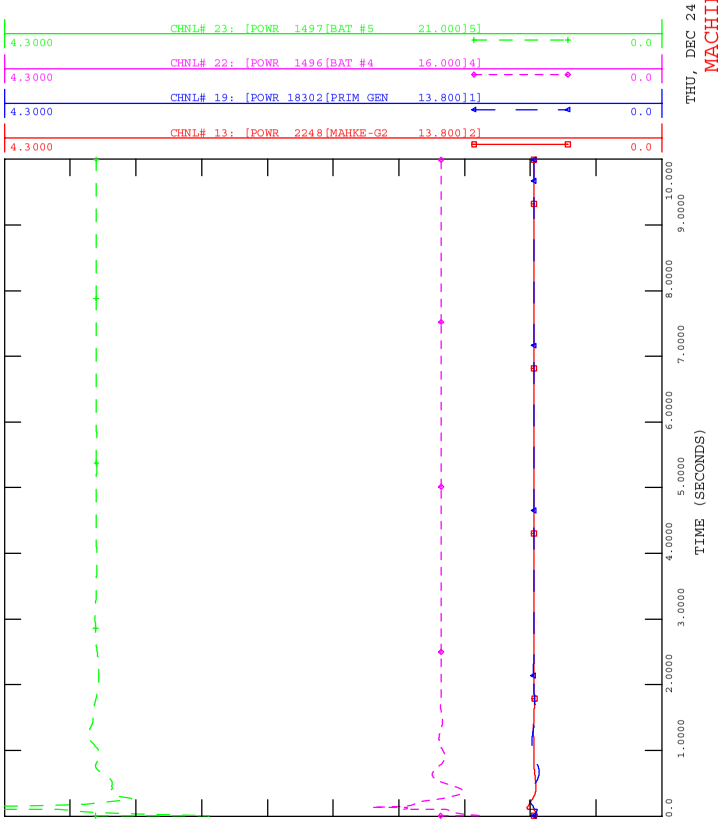


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MACHINE POWER

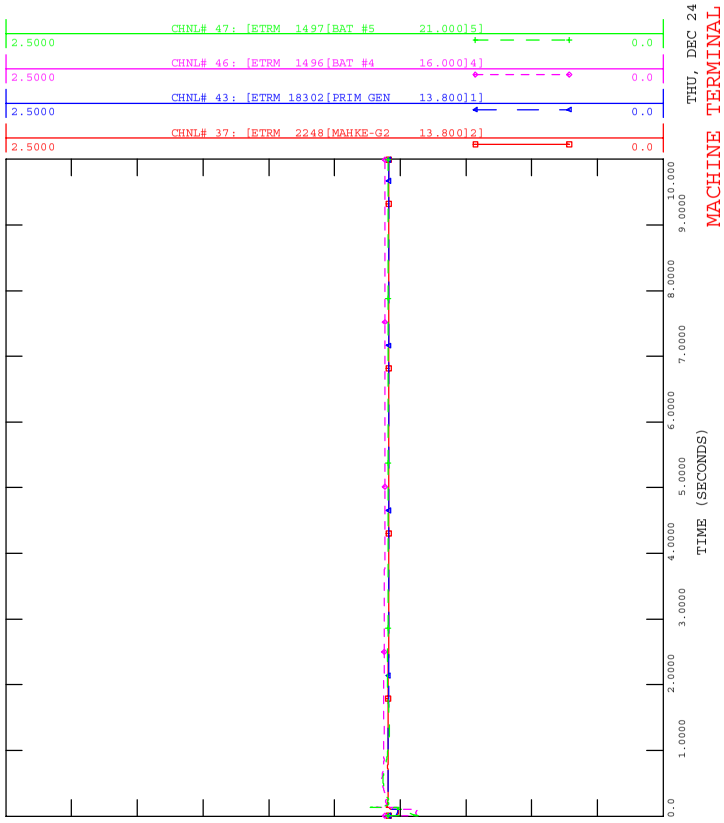


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MACHINE TERMINAL VOLTAGE

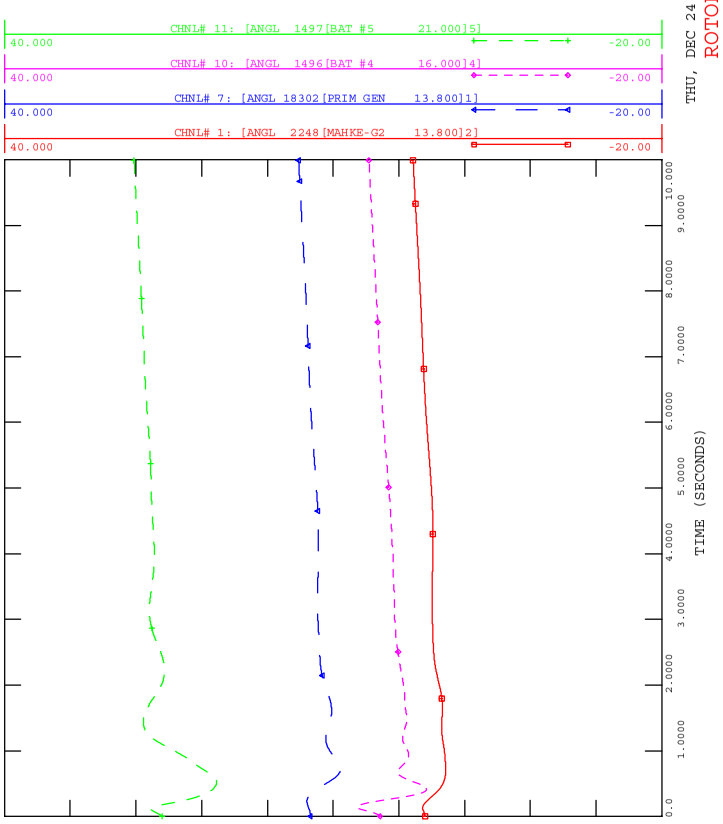


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

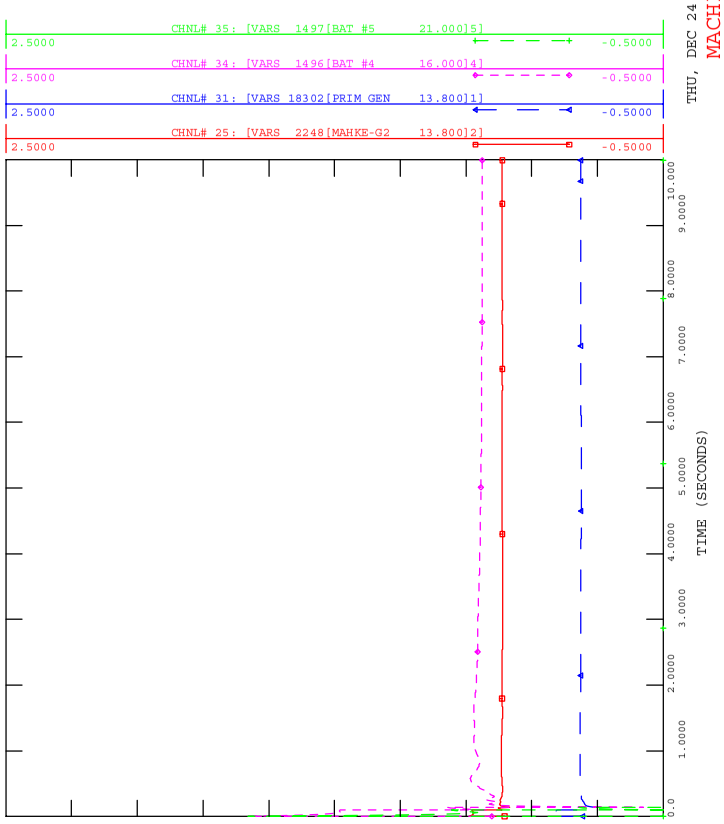


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MACHINE VARS

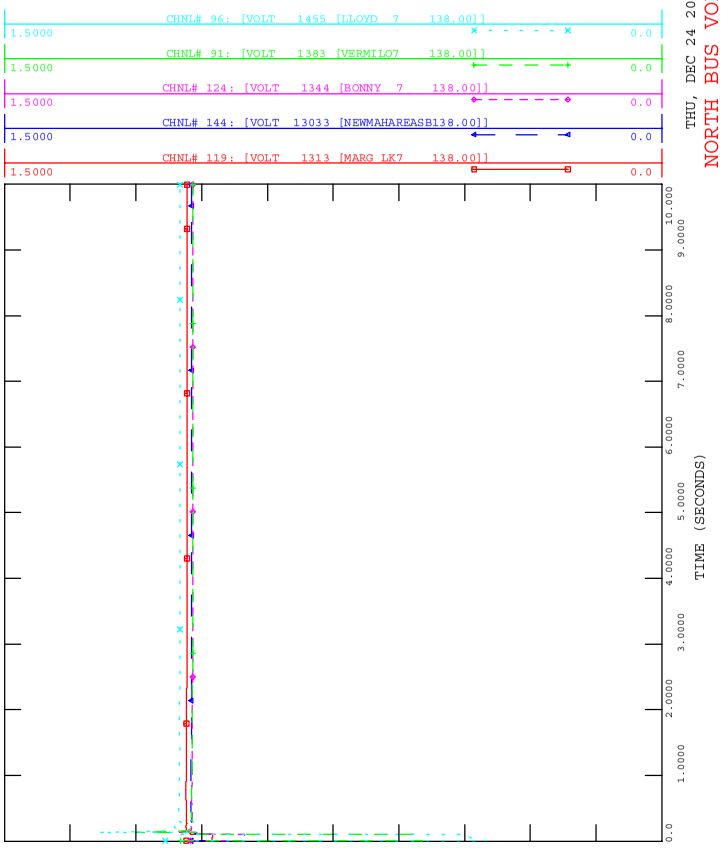


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

NORTH BUS VOLTAGES

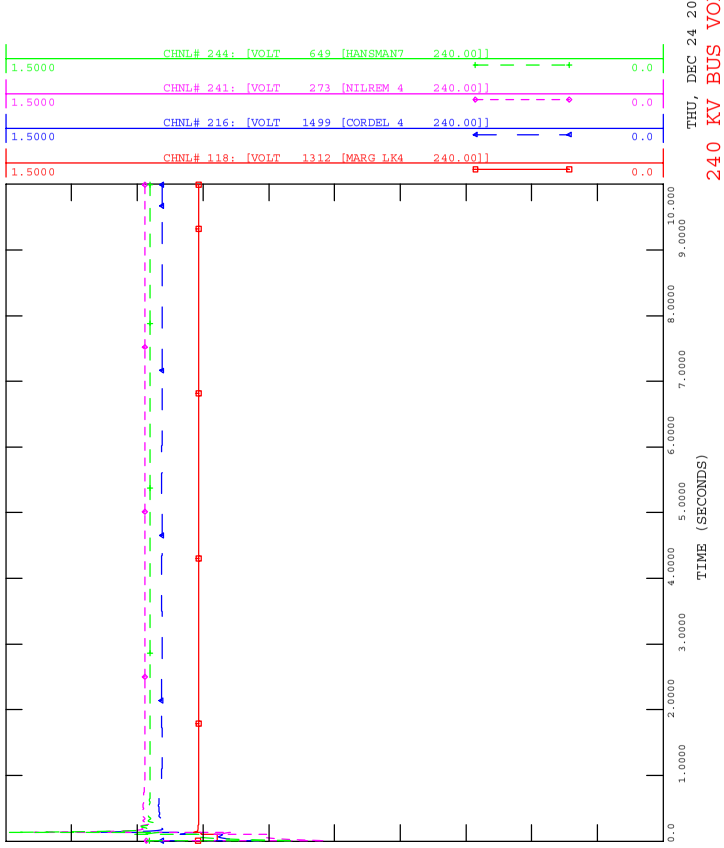


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

240 KV BUS VOLTAGES

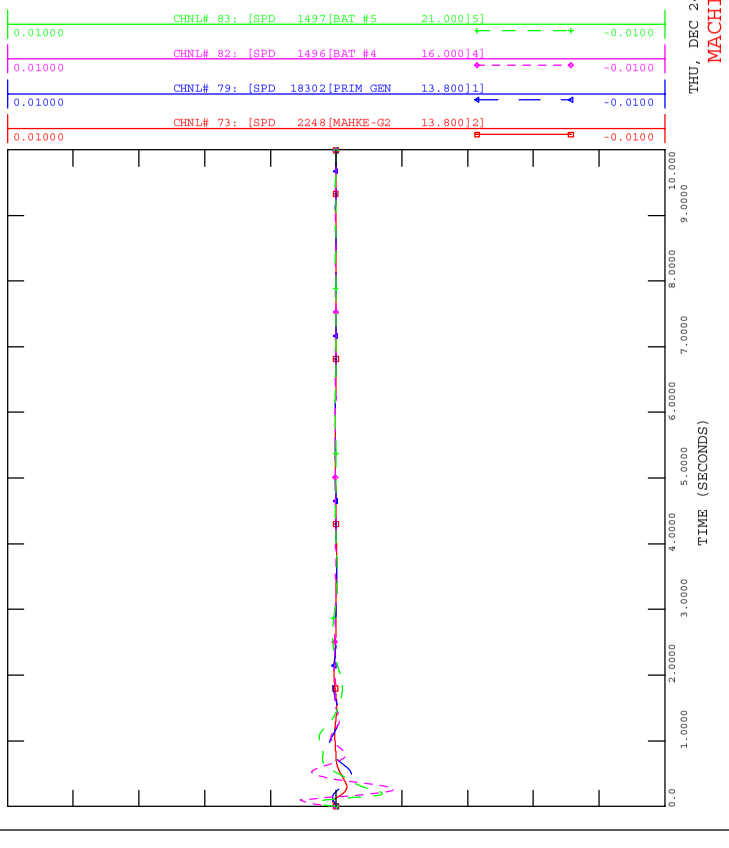


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MACHINE SPEED

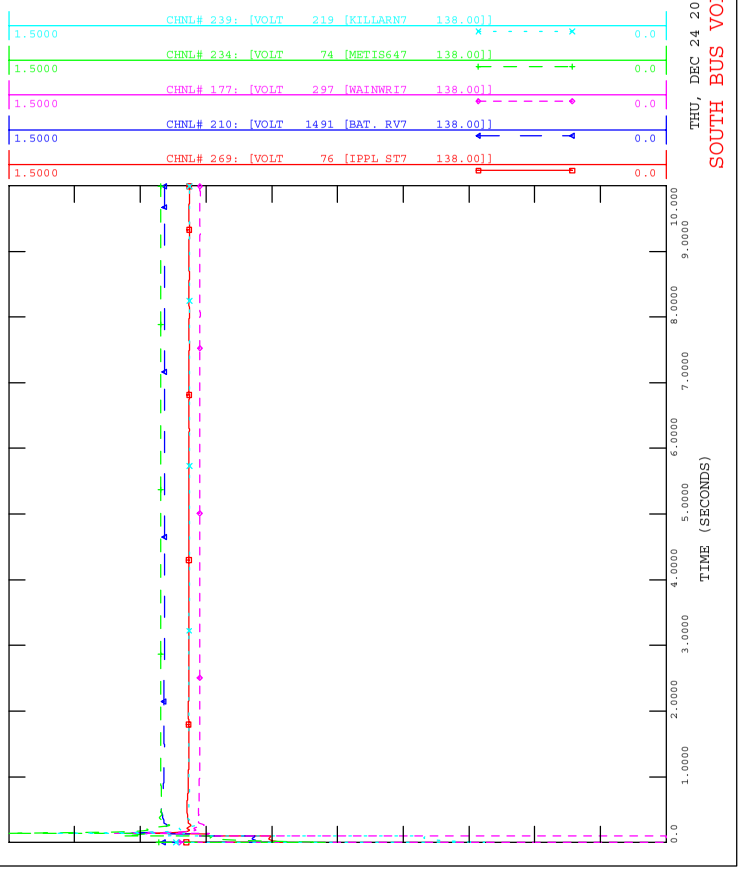


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

SOUTH BUS VOLTAGES

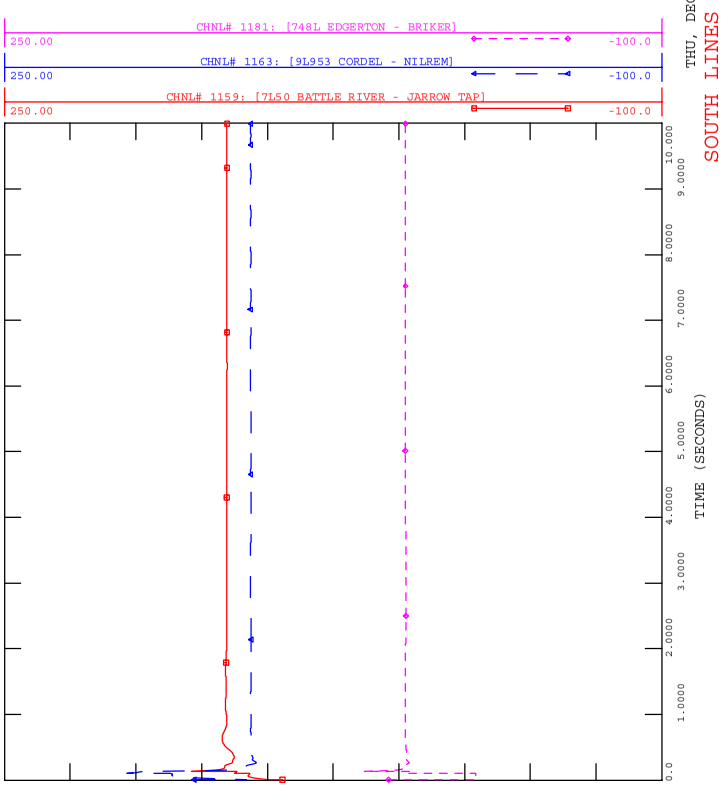


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

SOUTH LINES POWER FLOW

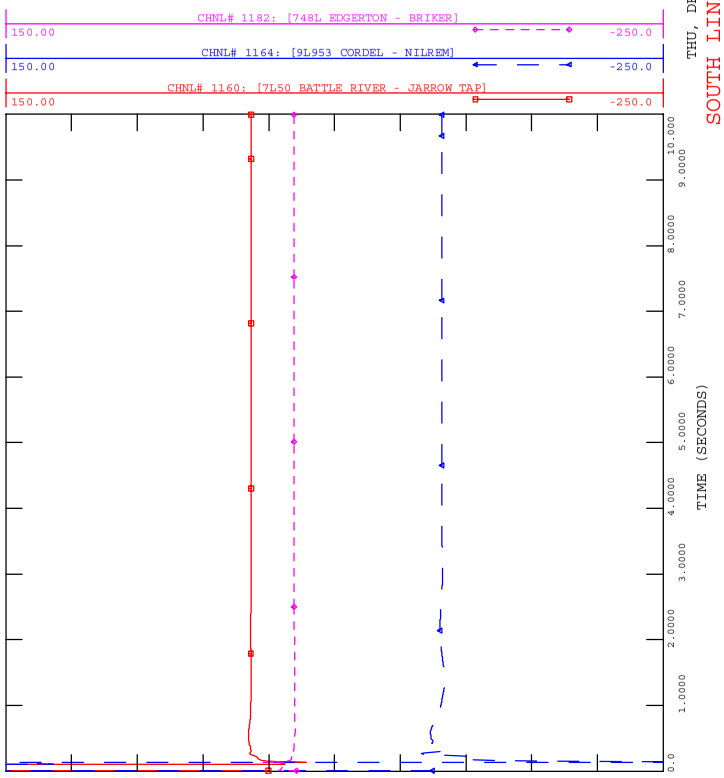


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

SOUTH LINES VAR FLOW

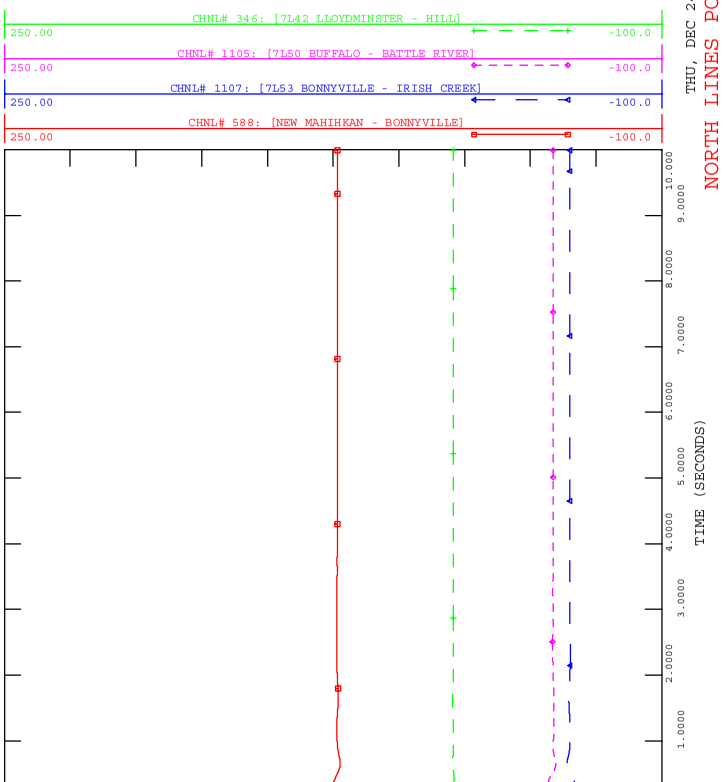


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

NORTH LINES POWER FLOW

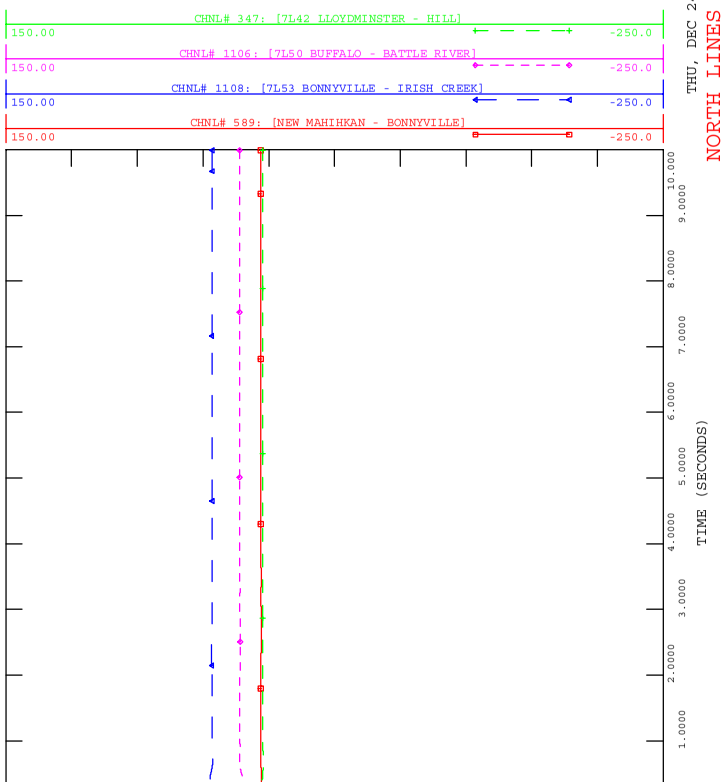


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

NORTH LINES VAR FLOW

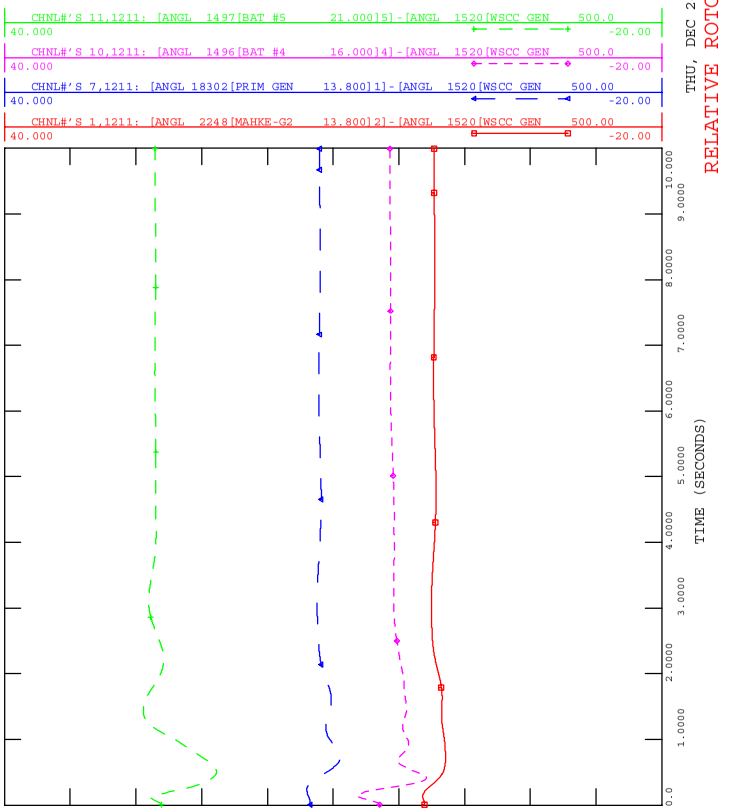


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

RELATIVE ROTOR ANGLES

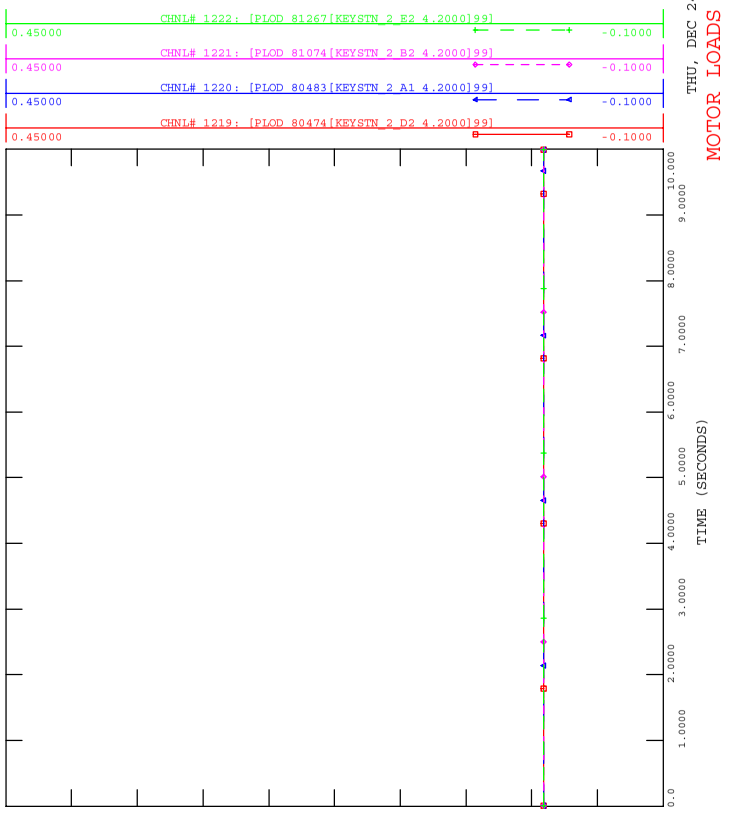


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP II

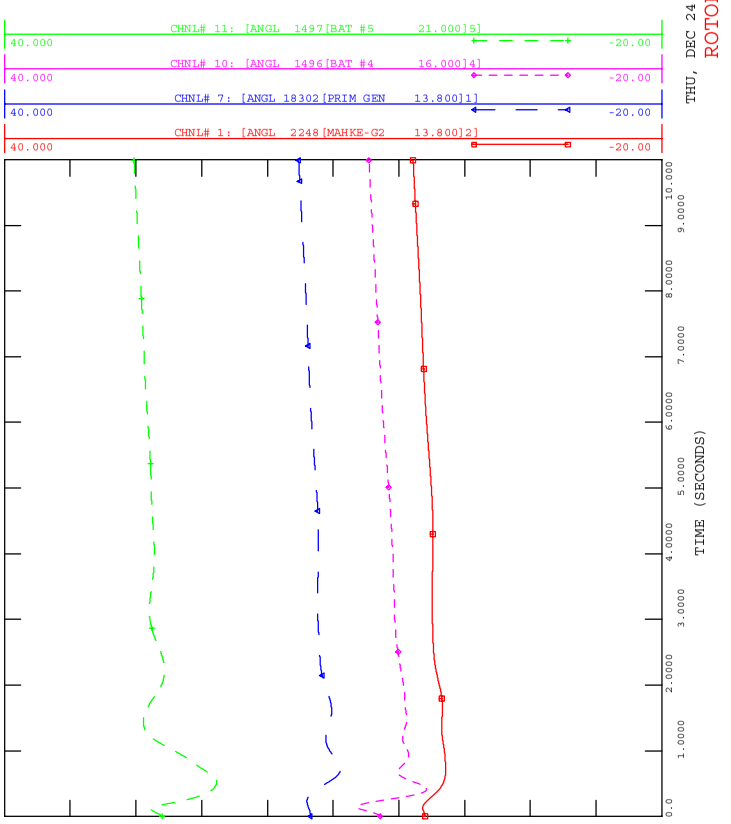


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

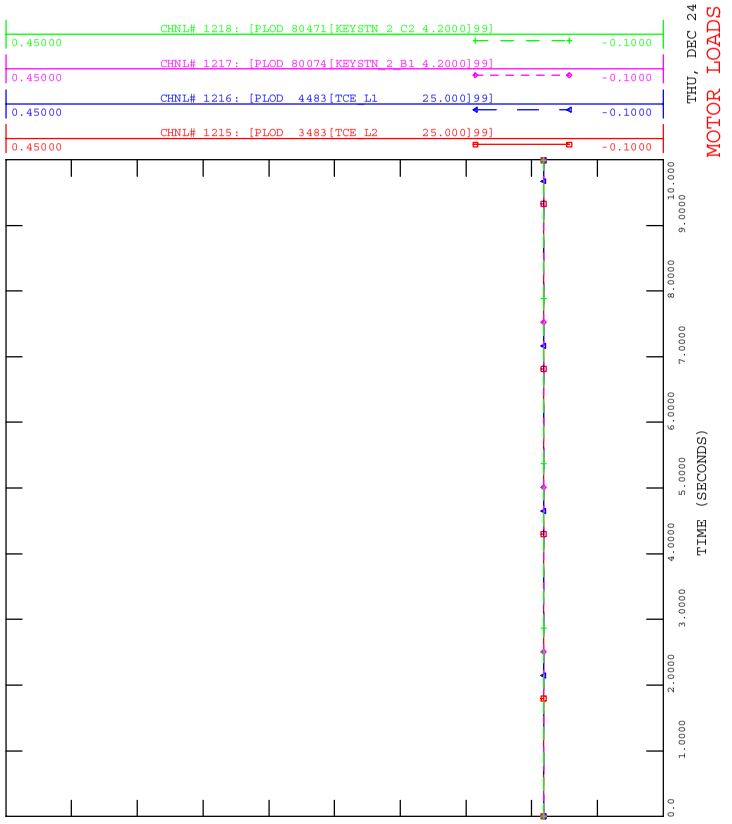


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP I

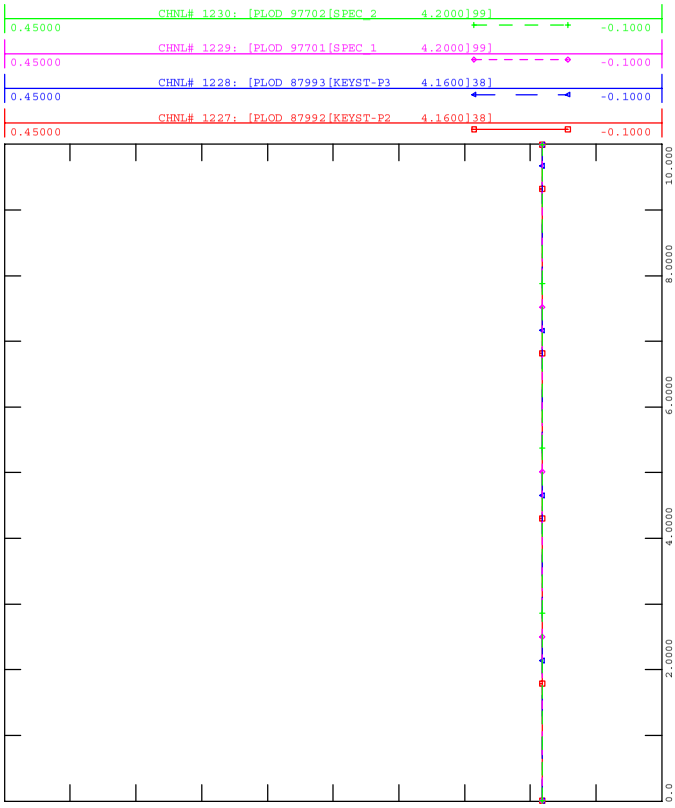


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP IV

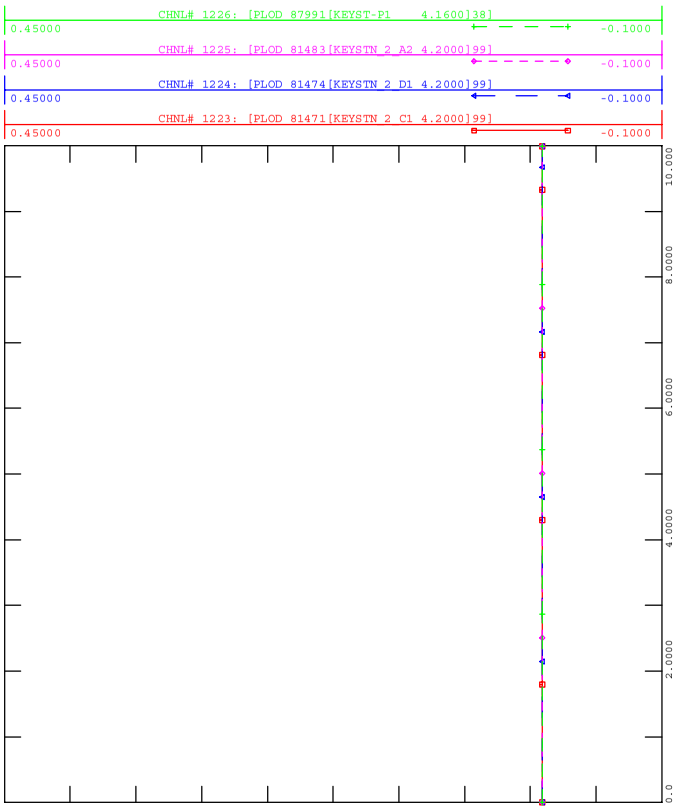


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-9fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP III

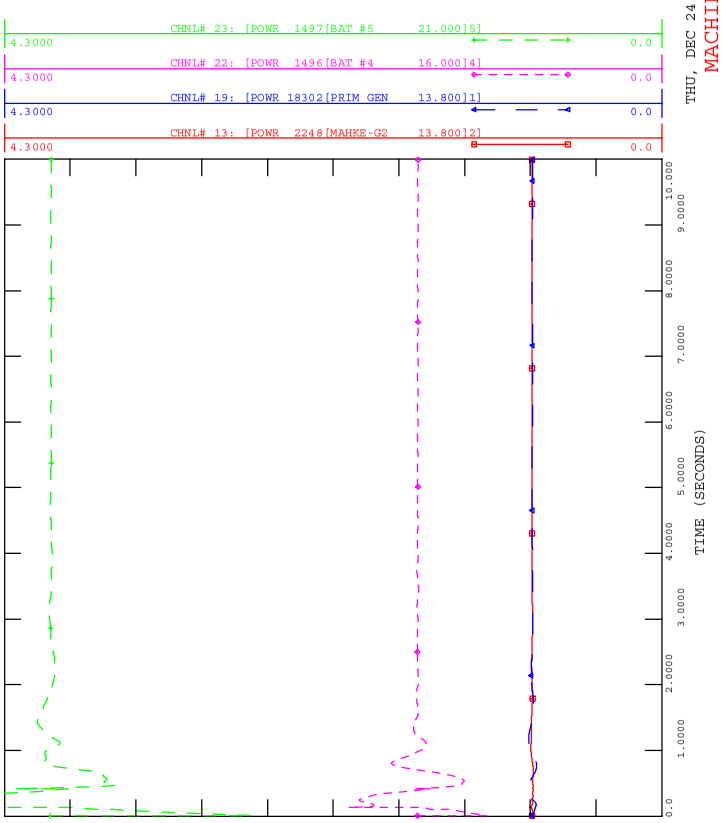


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MACHINE POWER

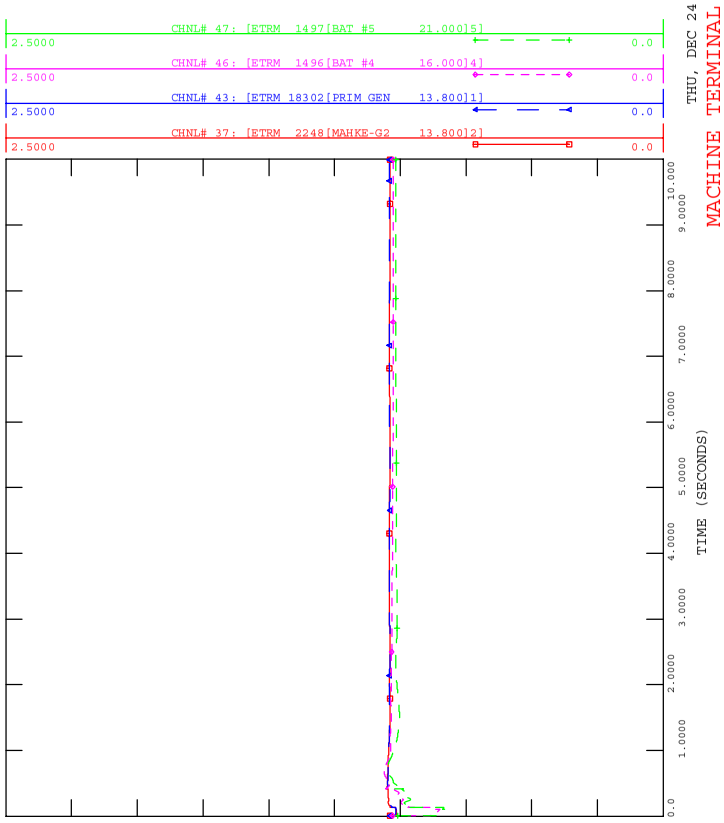


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MACHINE TERMINAL VOLTAGE

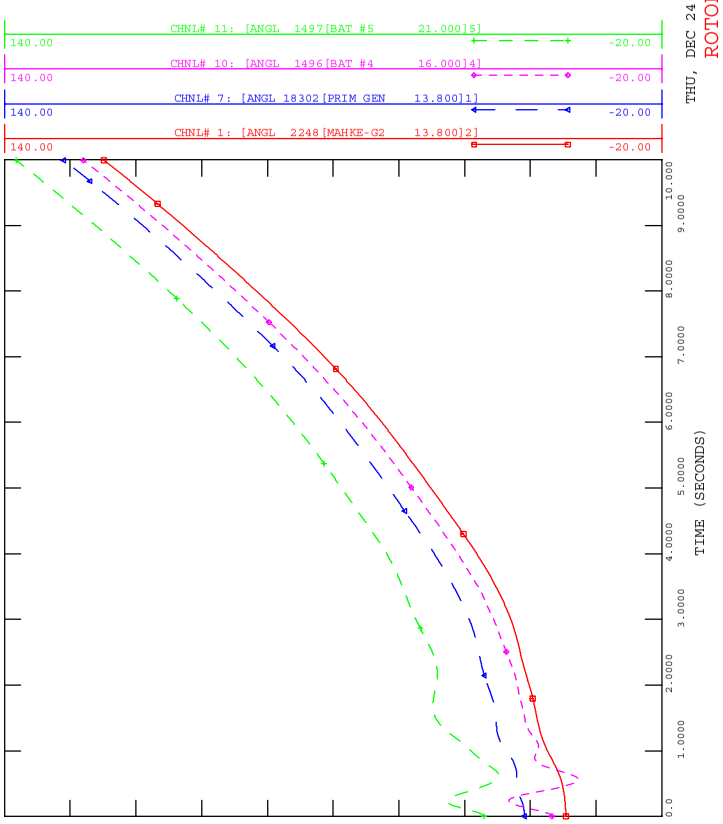


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

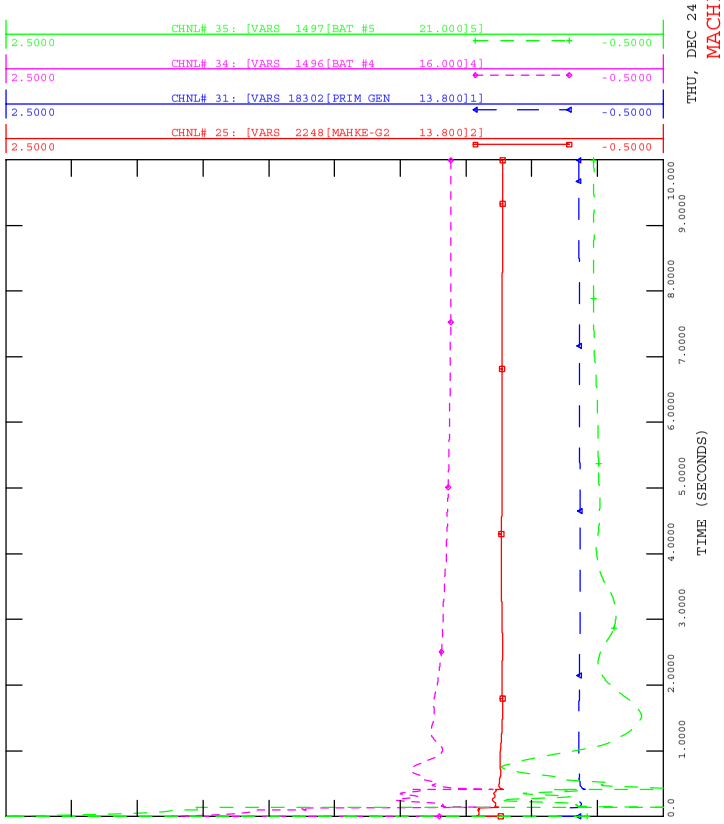


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MACHINE VARS

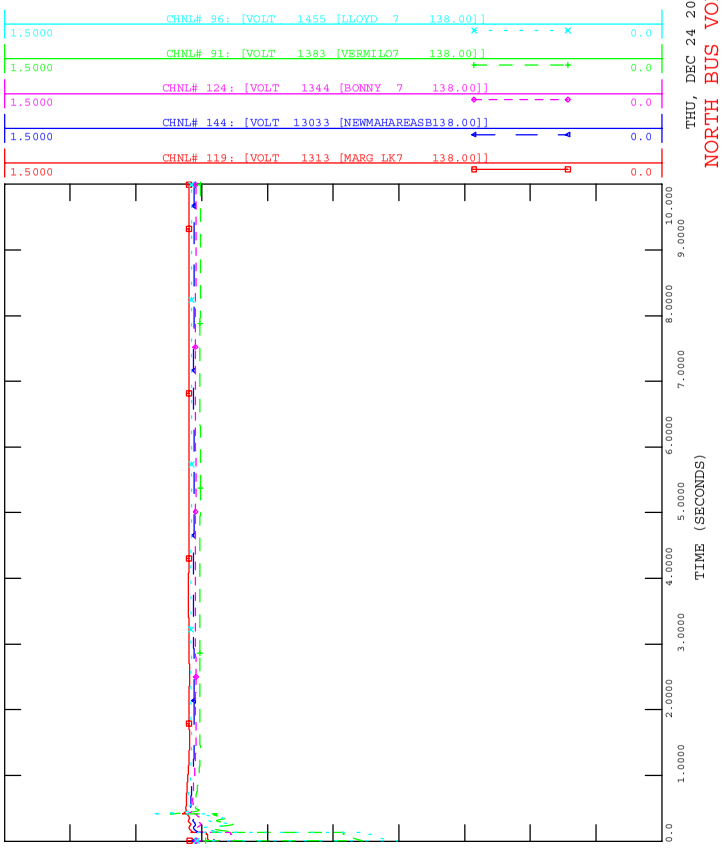


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

NORTH BUS VOLTAGES

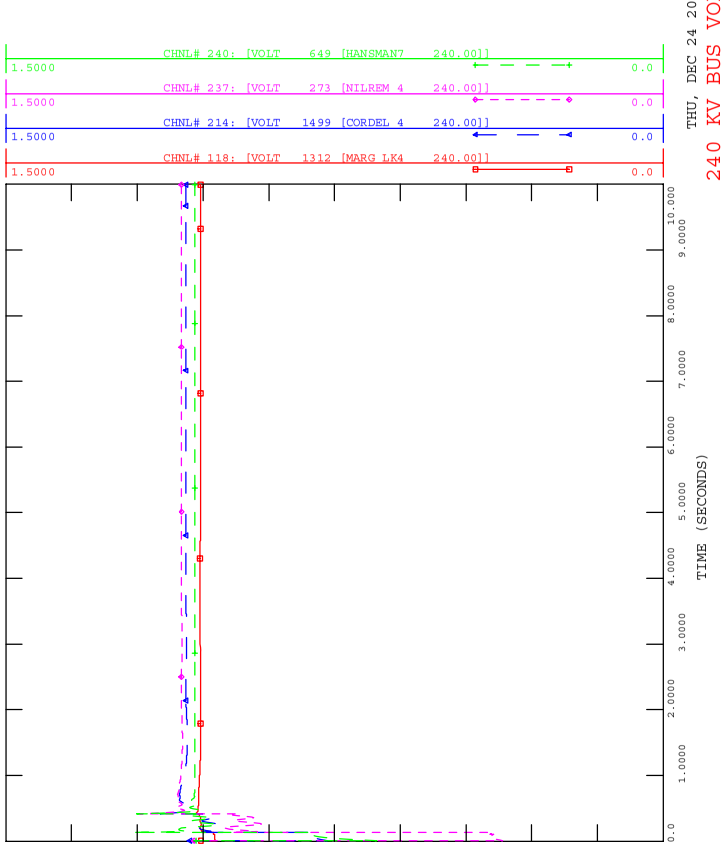


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

240 KV BUS VOLTAGES

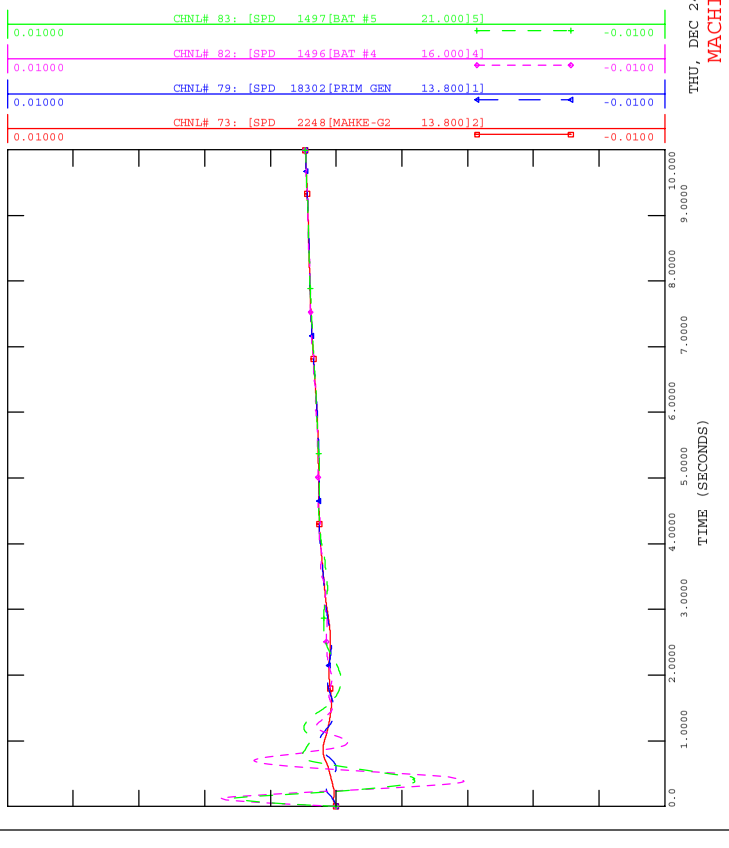


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MACHINE SPEED

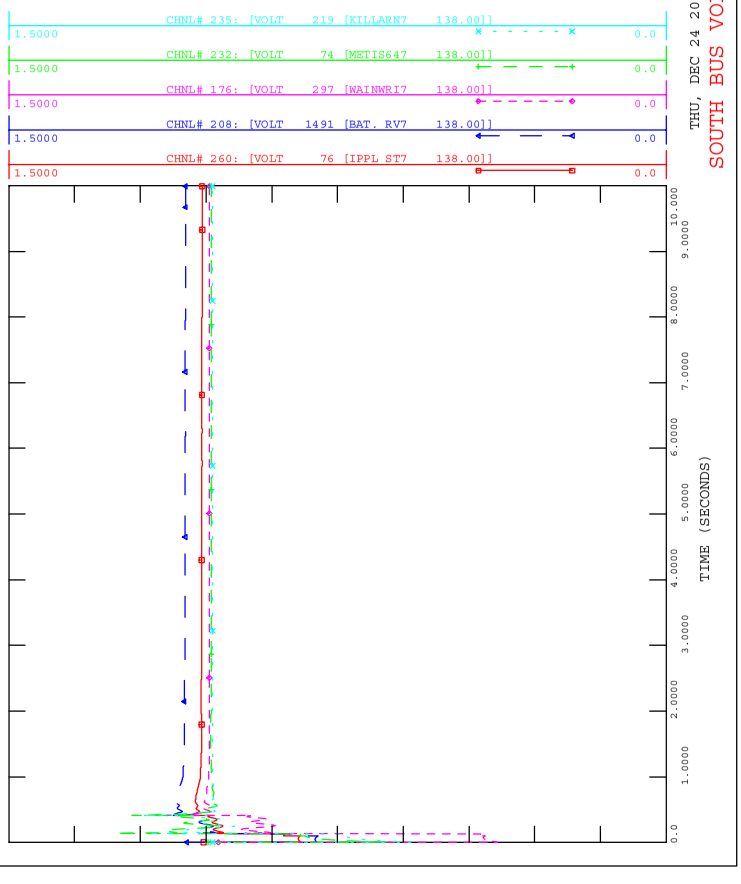


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

SOUTH LINES POWER FLOW

CHNL# 1177: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 887: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1159: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1155: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

SOUTH LINES VAR FLOW

CHNL# 1178: [VARS 362 TO 862 CKT '49']
150.00 -250.0
CHNL# 888: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1160: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1156: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

NORTH LINES POWER FLOW

CHNL# 337: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1105: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1107: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 505: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

NORTH LINES VAR FLOW

CHNL# 338: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1106: [7L50 BUFFALO - BATTLE RIVER]
150.00 -250.0
CHNL# 1108: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 506: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

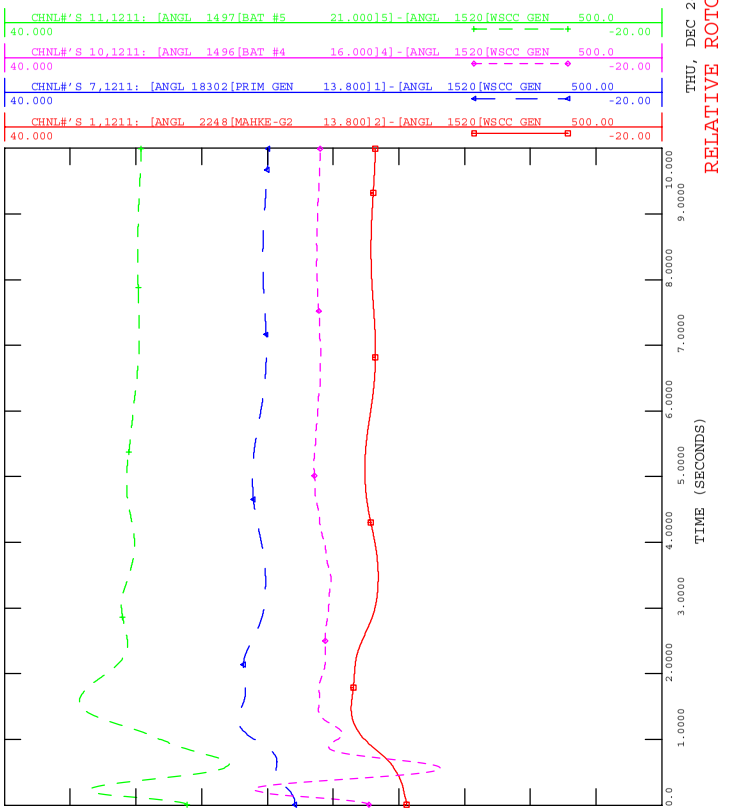
TIME (SECONDS)
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CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

RELATIVE ROTOR ANGLES

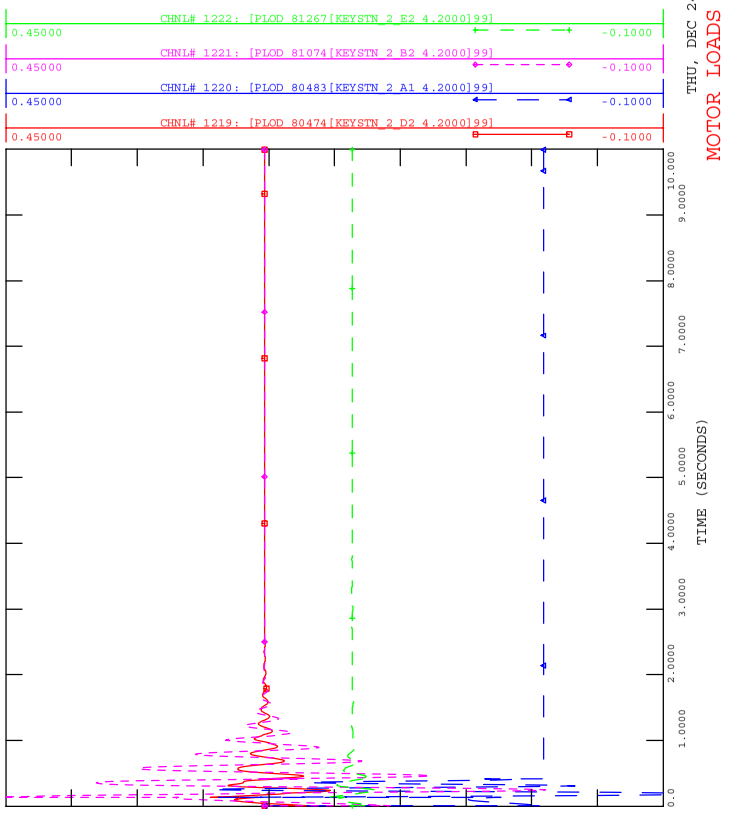


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP II

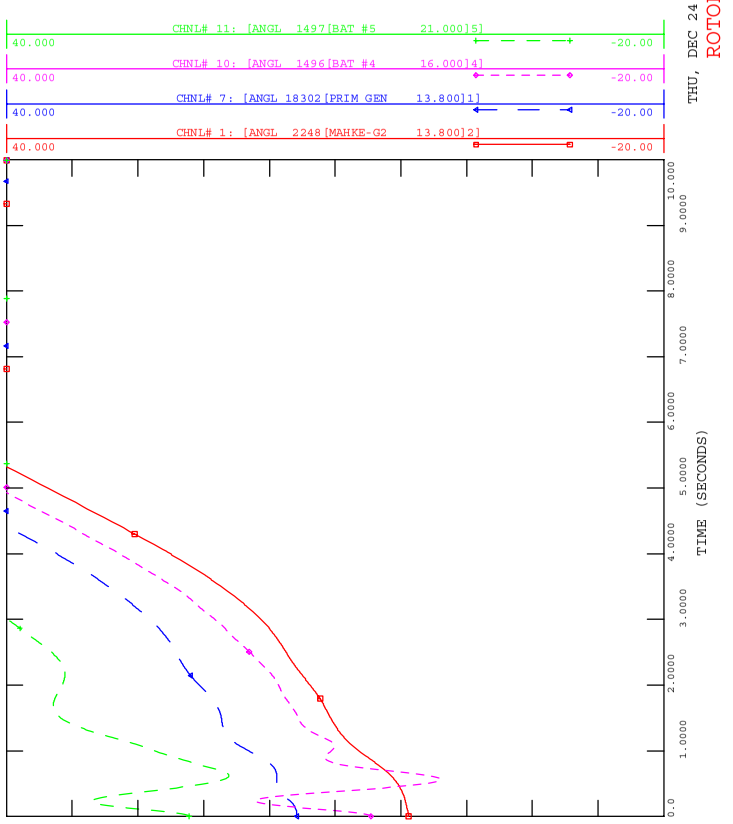


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

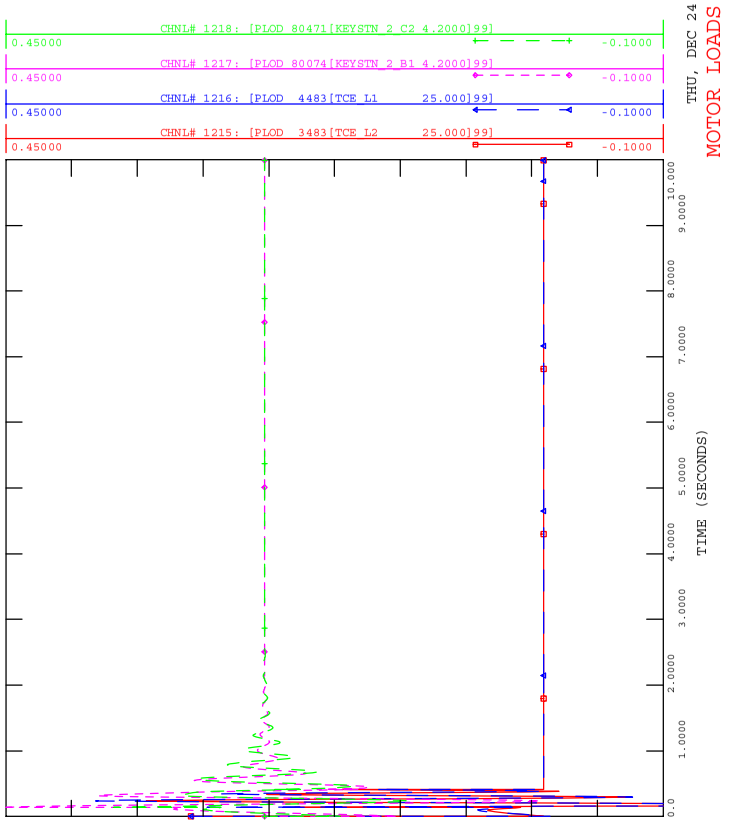


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP I

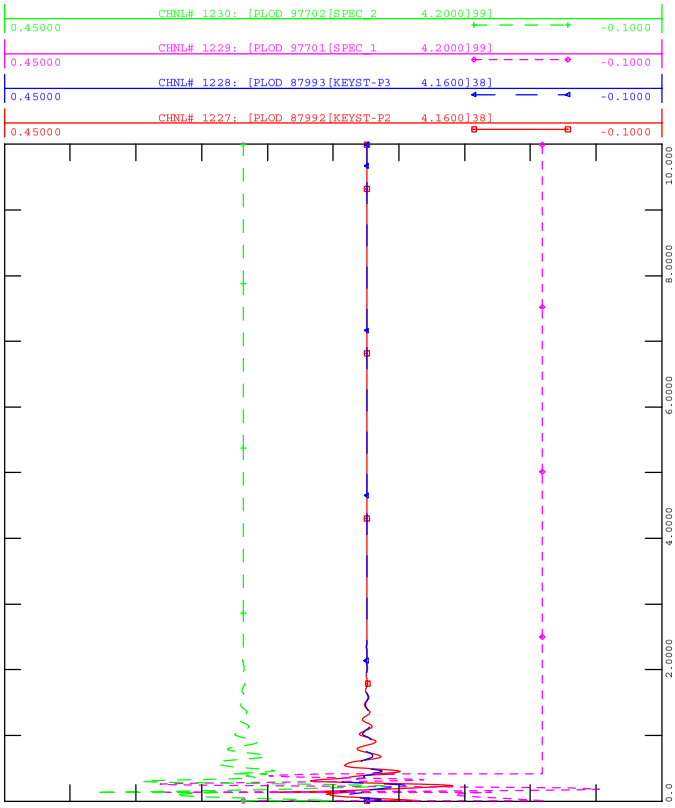


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP IV

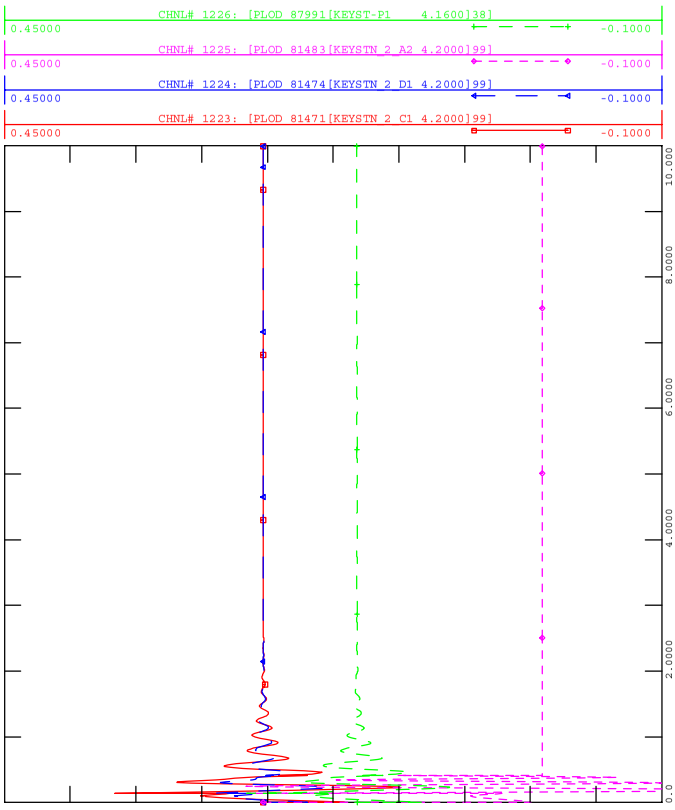


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c3-10fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP III

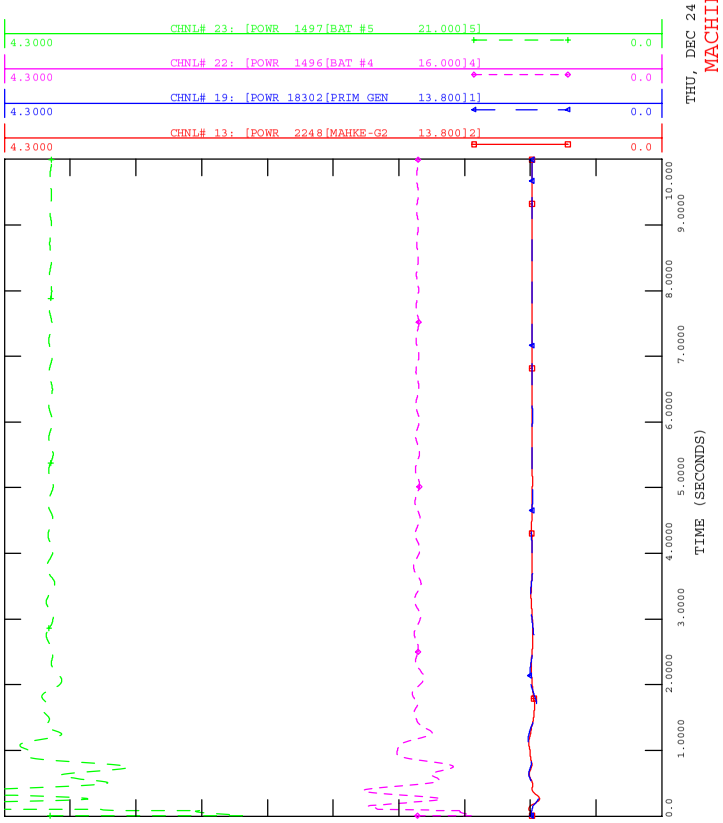


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MACHINE POWER

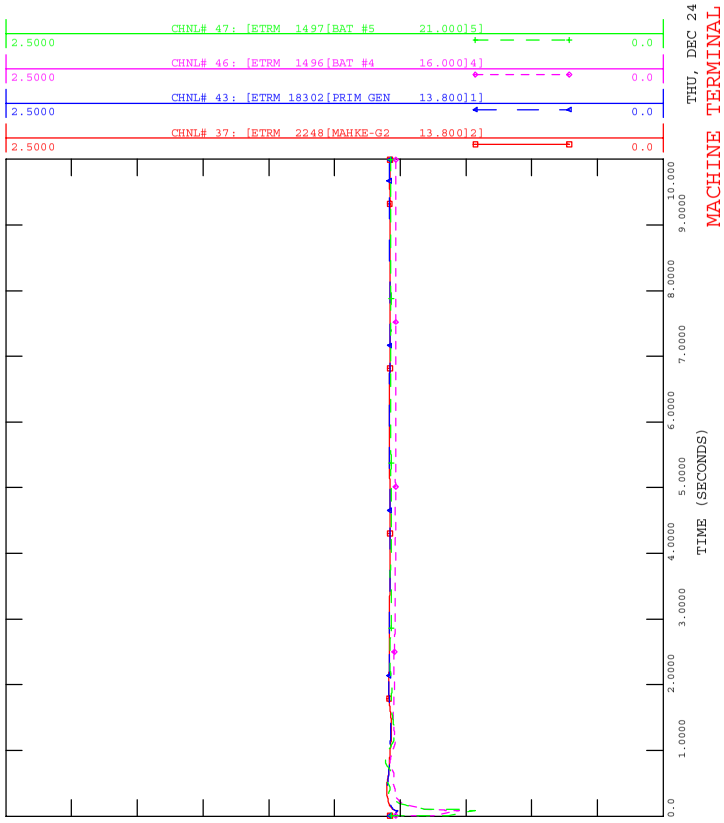


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MACHINE TERMINAL VOLTAGE

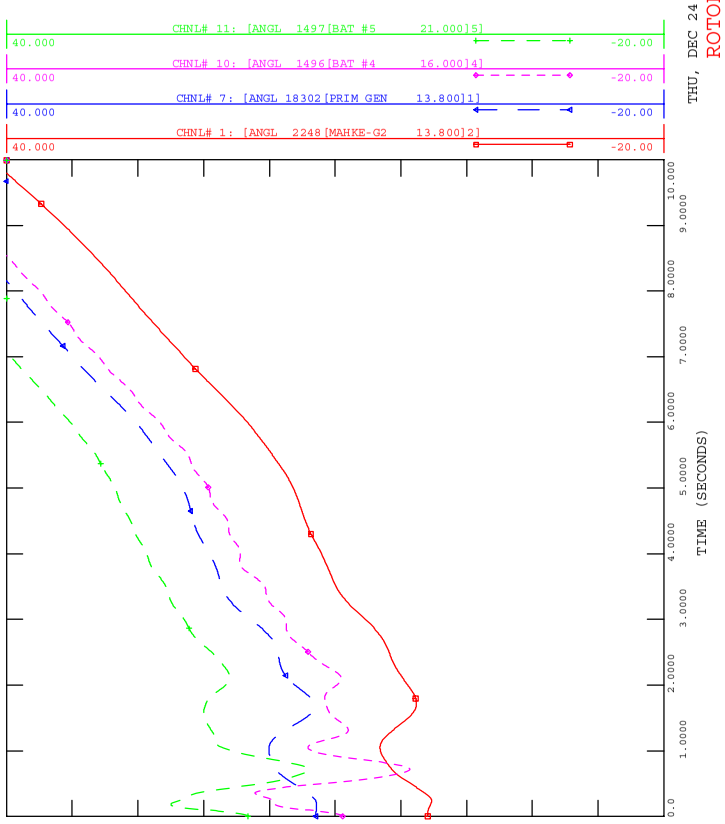


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

ROTOR ANGLES

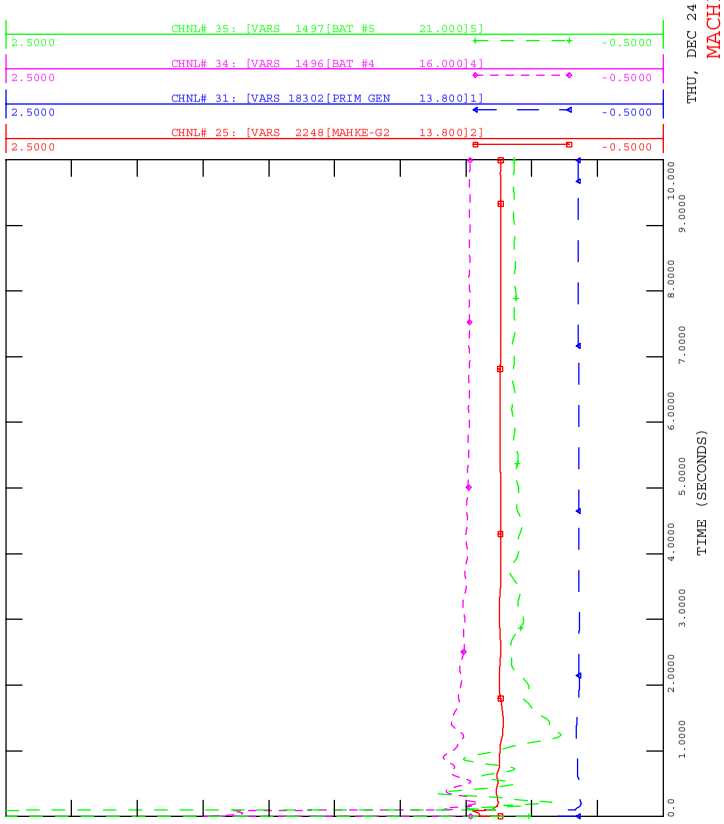


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MACHINE VARS

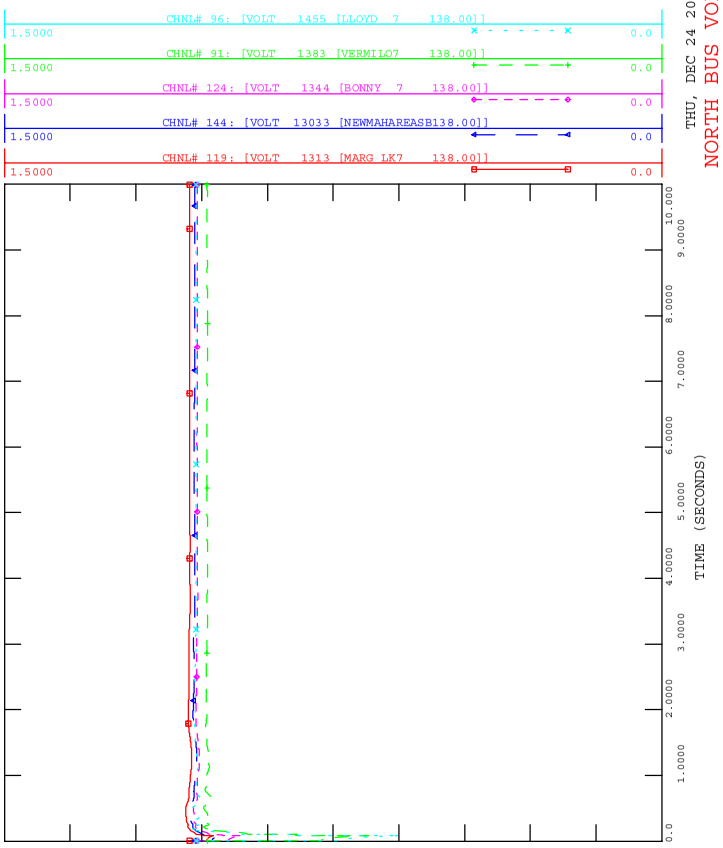


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

NORTH BUS VOLTAGES

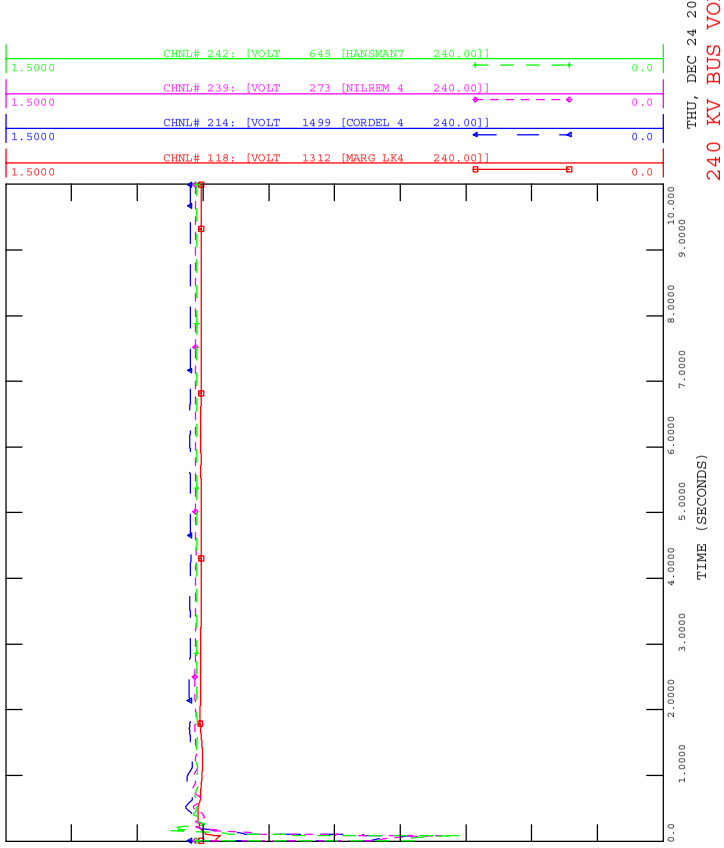


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

240 KV BUS VOLTAGES

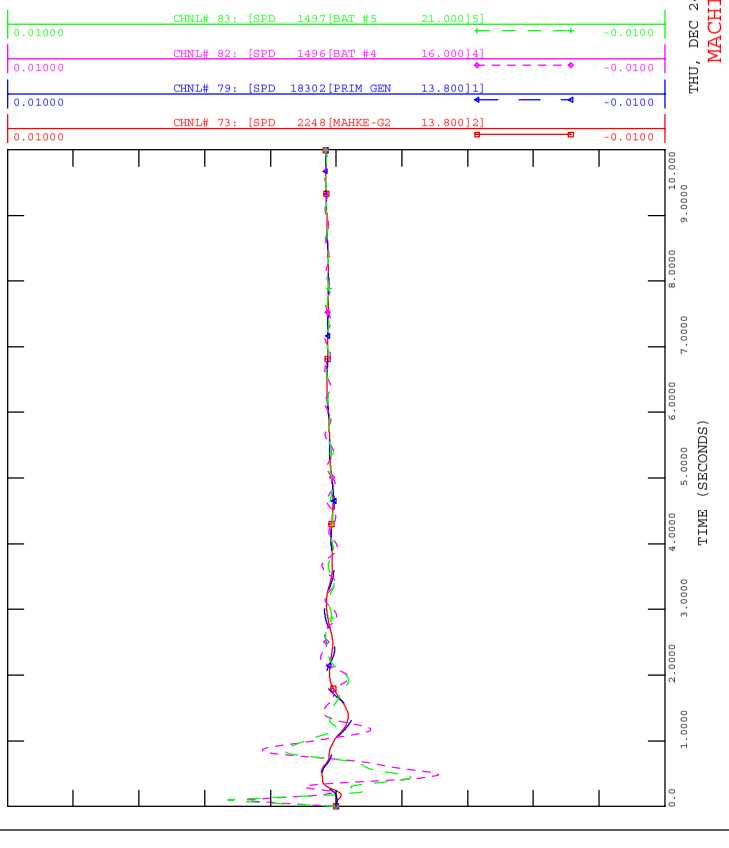


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MACHINE SPEED

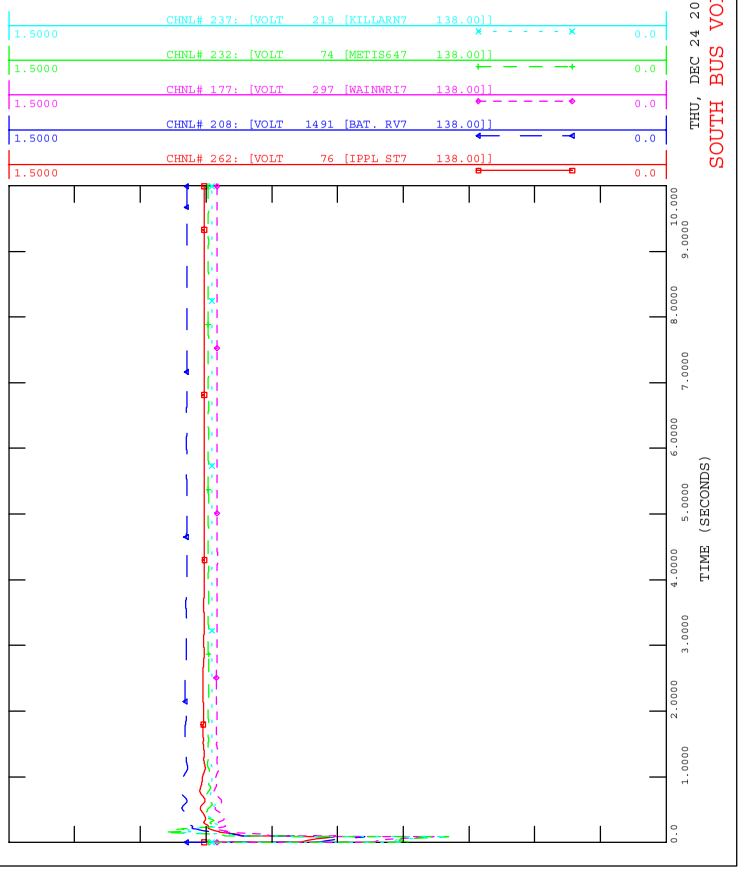


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

SOUTH BUS VOLTAGES

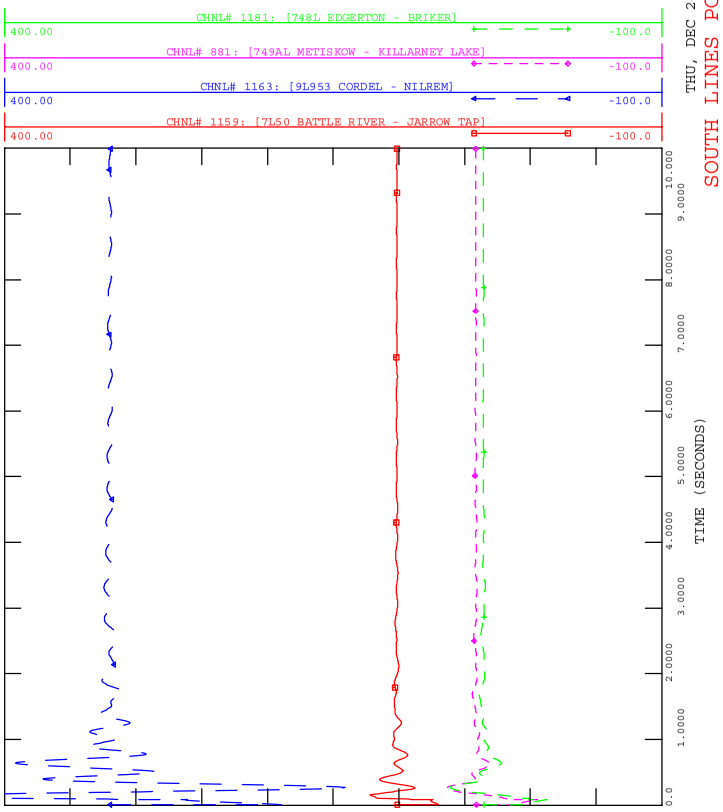


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

SOUTH LINES POWER FLOW

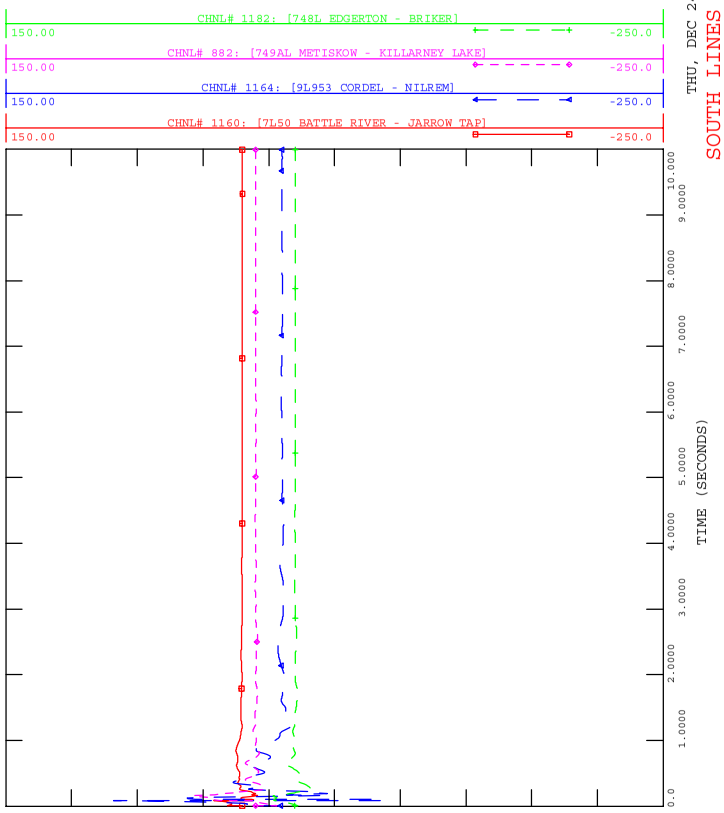


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

SOUTH LINES VAR FLOW

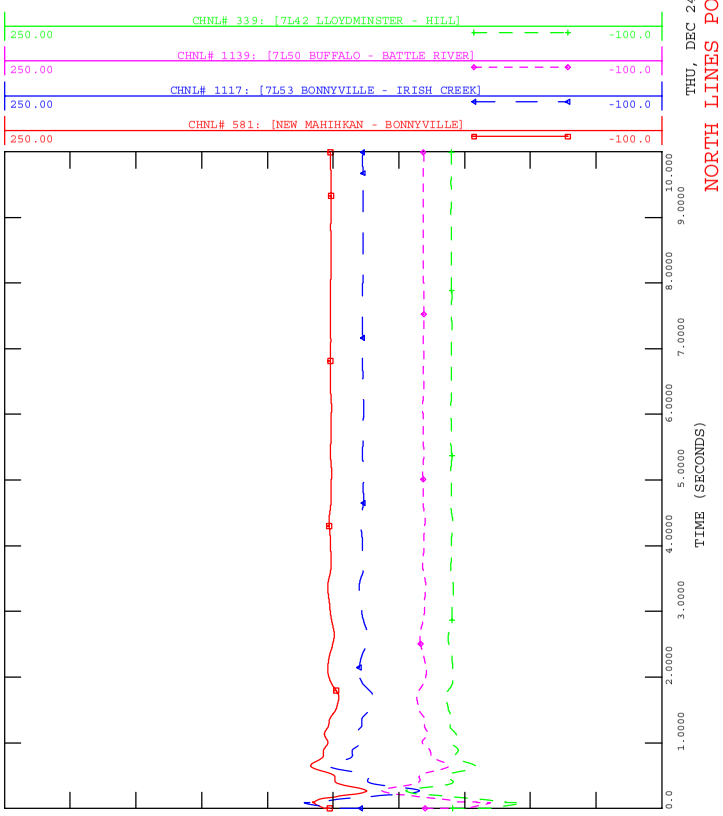


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

NORTH LINES POWER FLOW

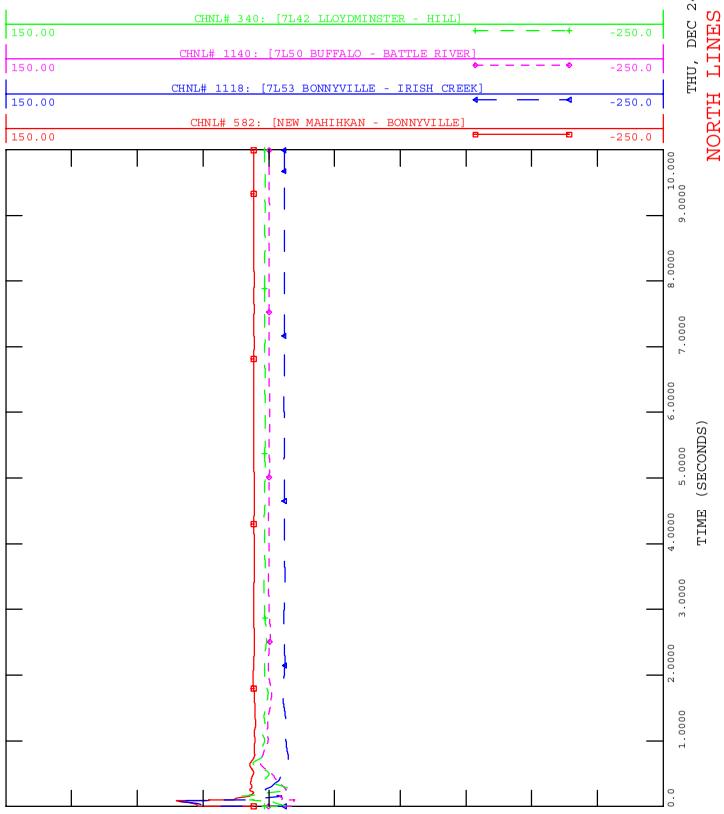


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

NORTH LINES VAR FLOW

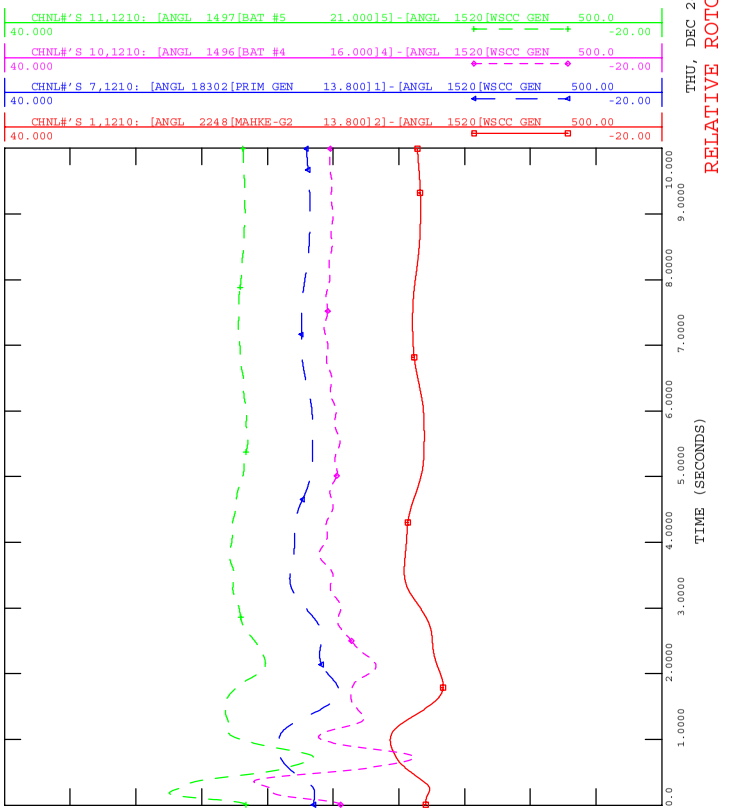


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

RELATIVE ROTOR ANGLES

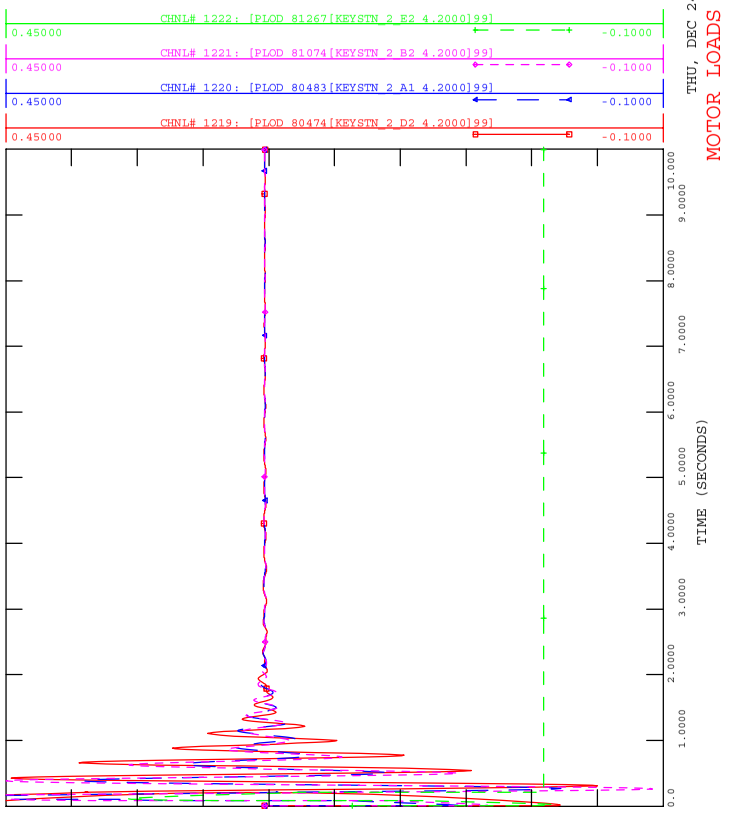


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MOTOR LOADS GROUP II

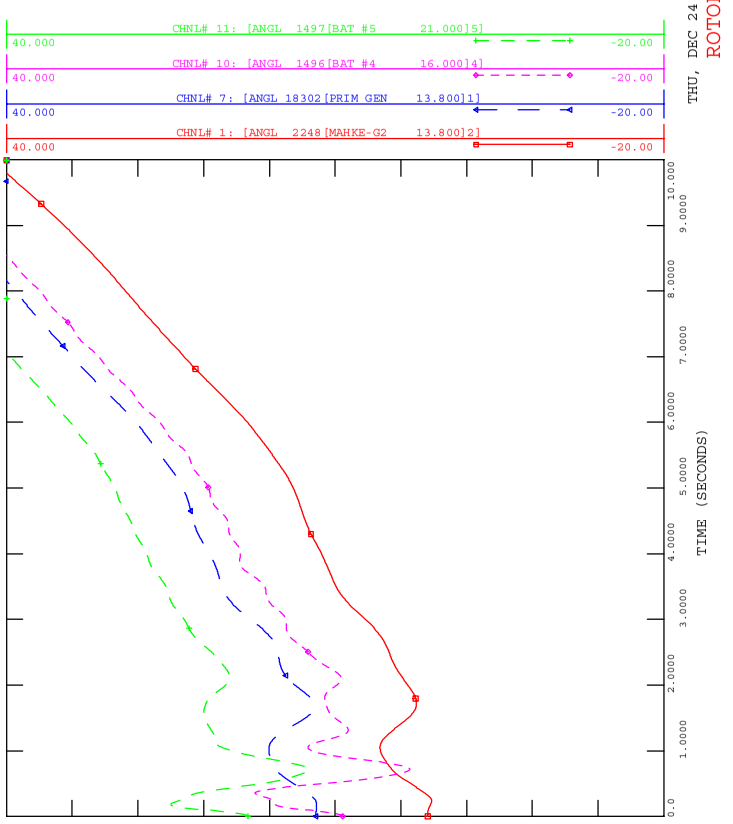


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

ROTOR ANGLES

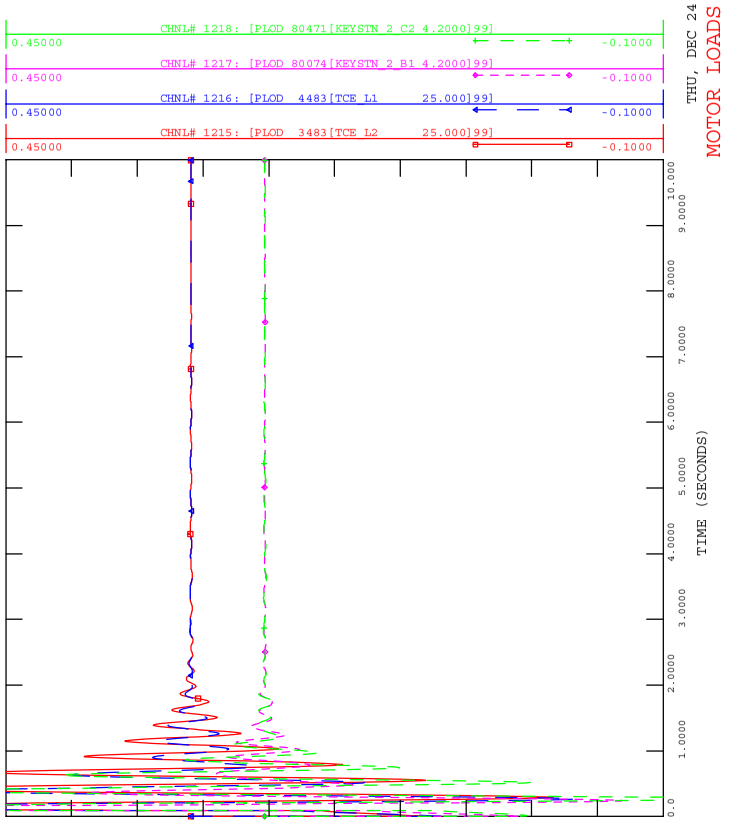


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MOTOR LOADS GROUP I

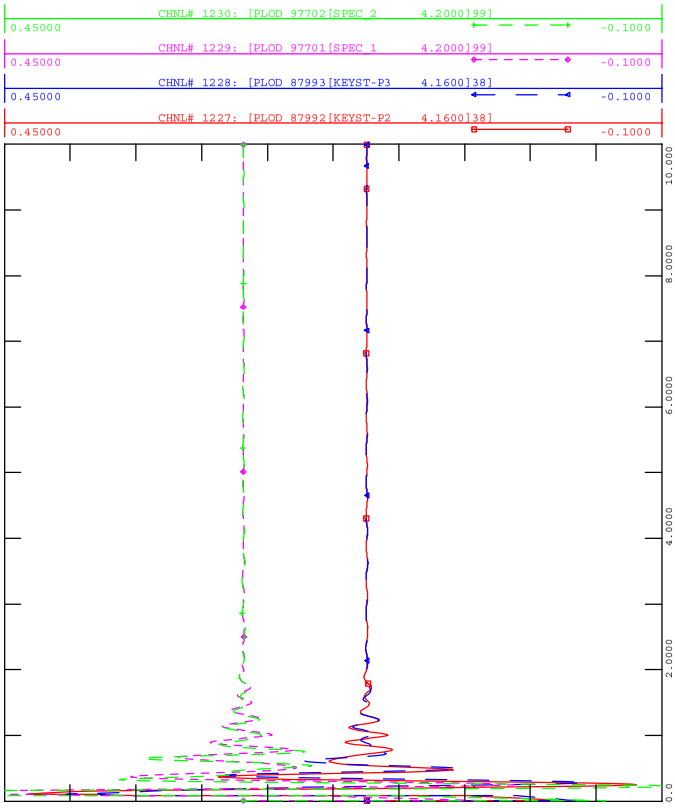


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MOTOR LOADS GROUP IV

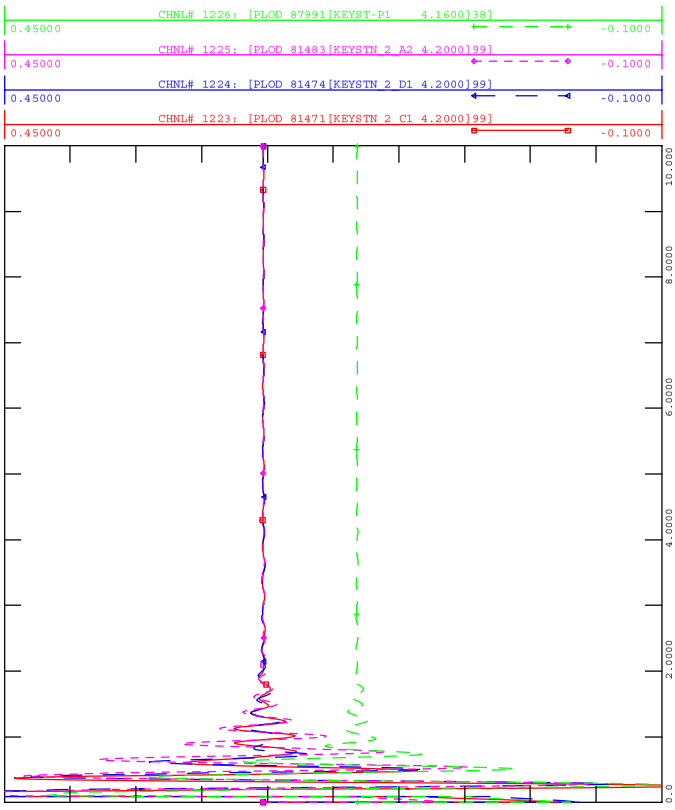


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-11fault.out

THU, DEC 24 2009 9:31

MOTOR LOADS GROUP III

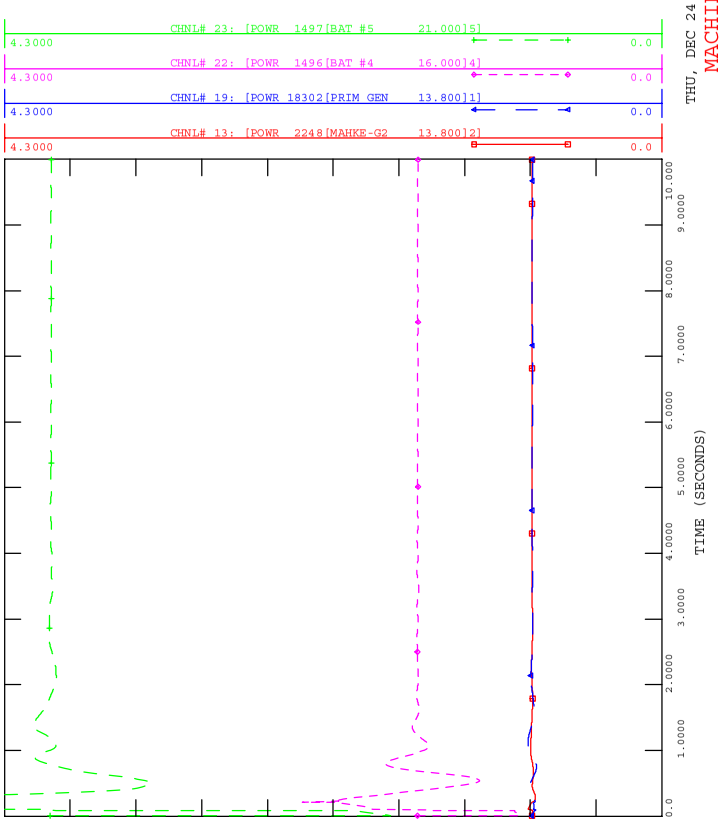


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MACHINE POWER

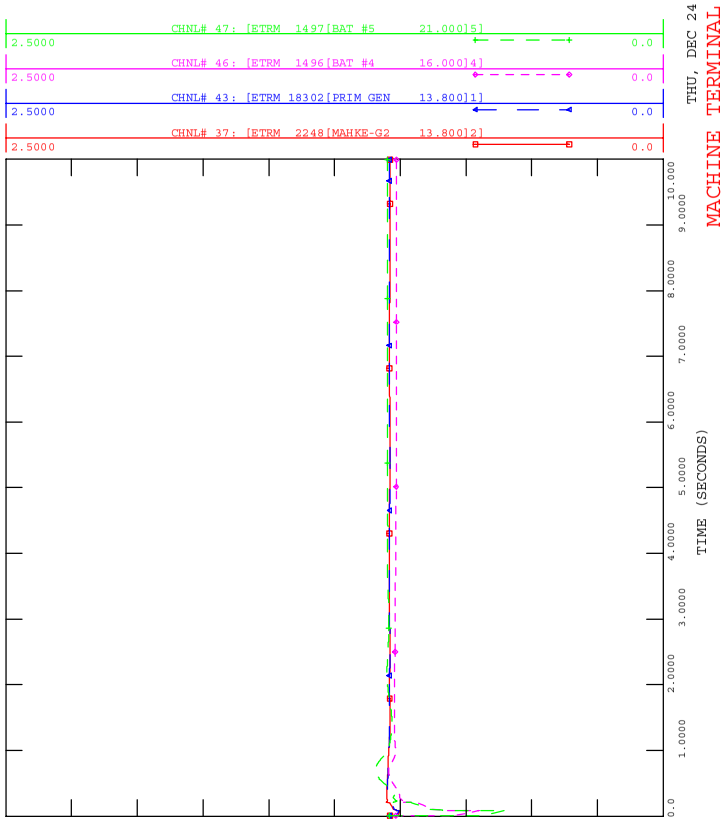


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MACHINE TERMINAL VOLTAGE

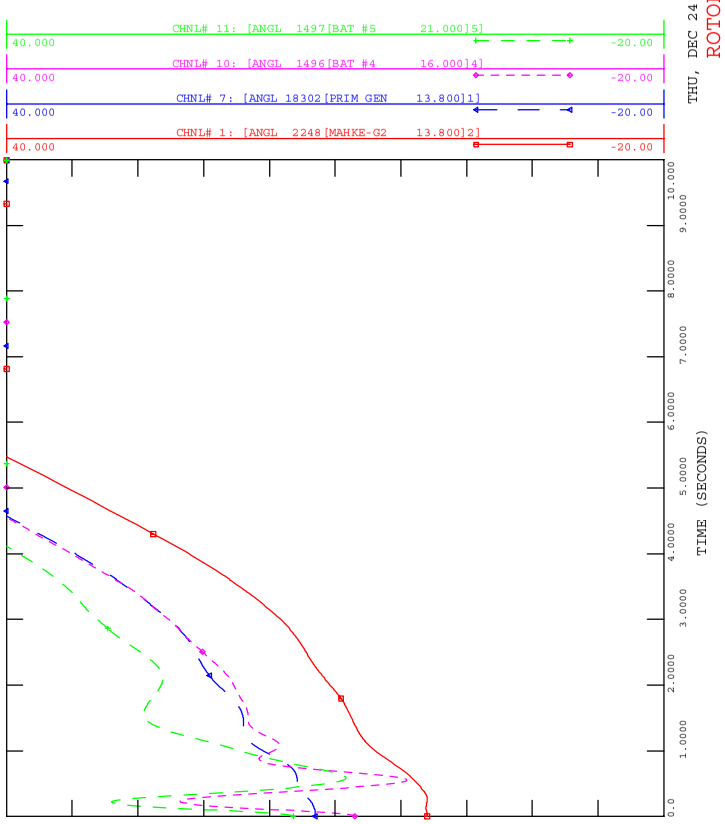


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

ROTOR ANGLES

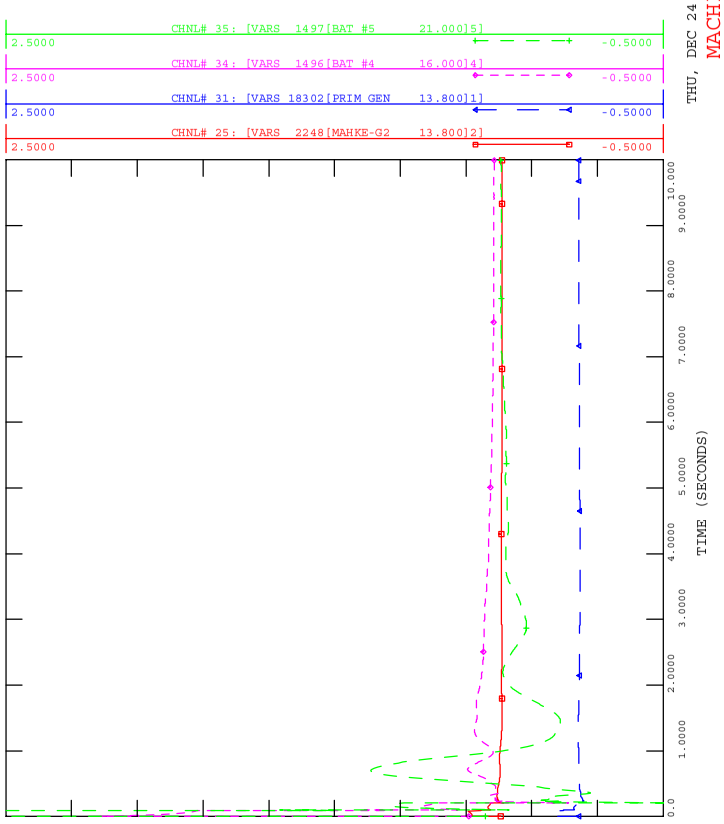


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MACHINE VARS

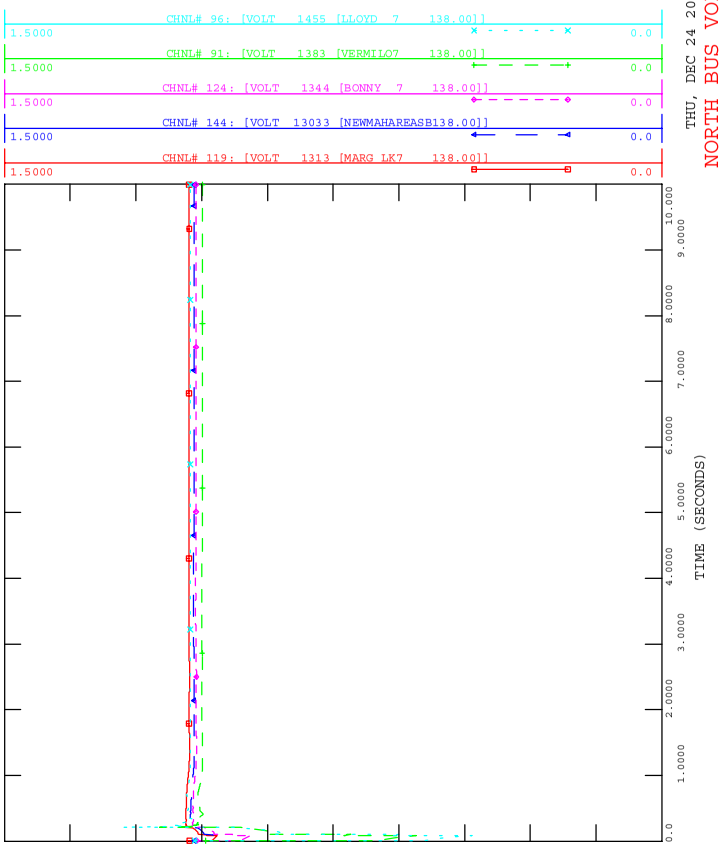


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

NORTH BUS VOLTAGES

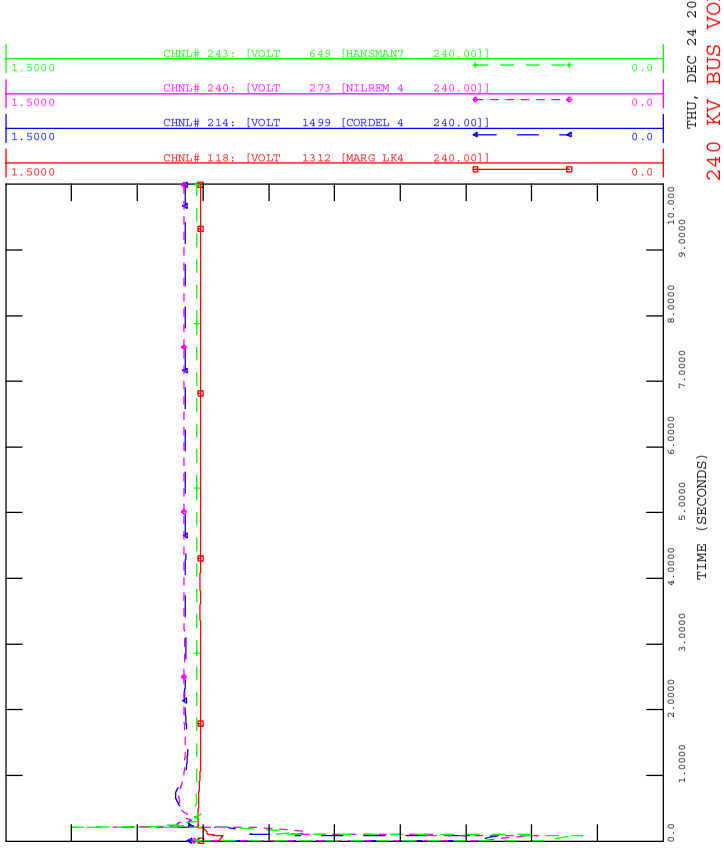


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

240 KV BUS VOLTAGES

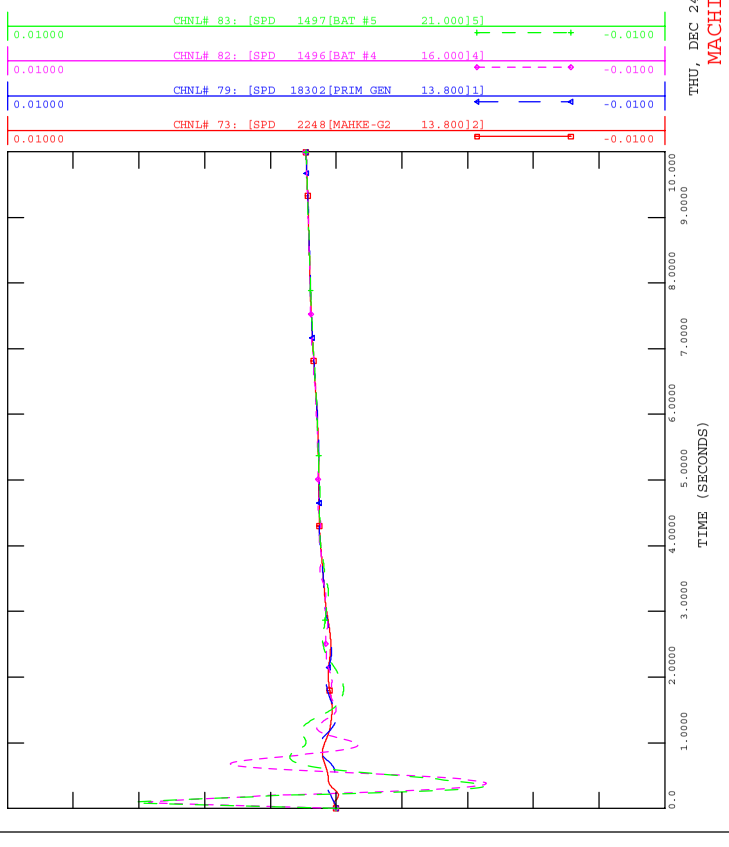


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MACHINE SPEED

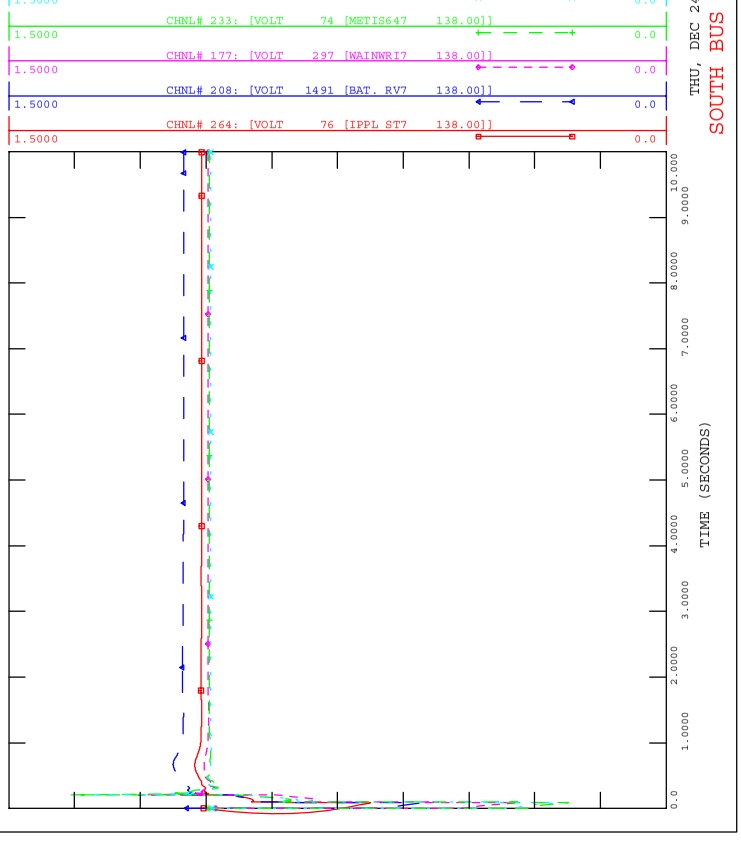


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

SOUTH BUS VOLTAGES

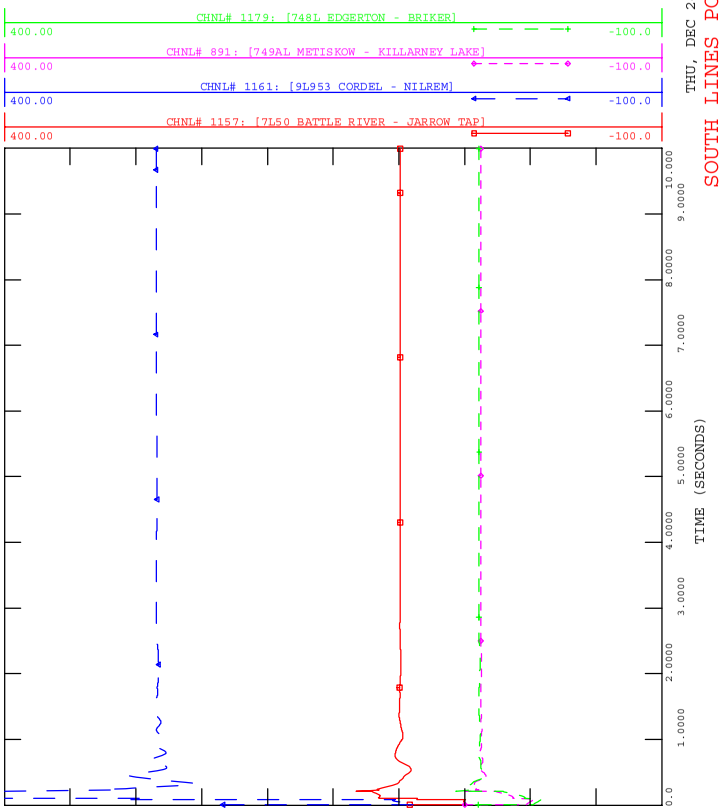


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

SOUTH LINES POWER FLOW

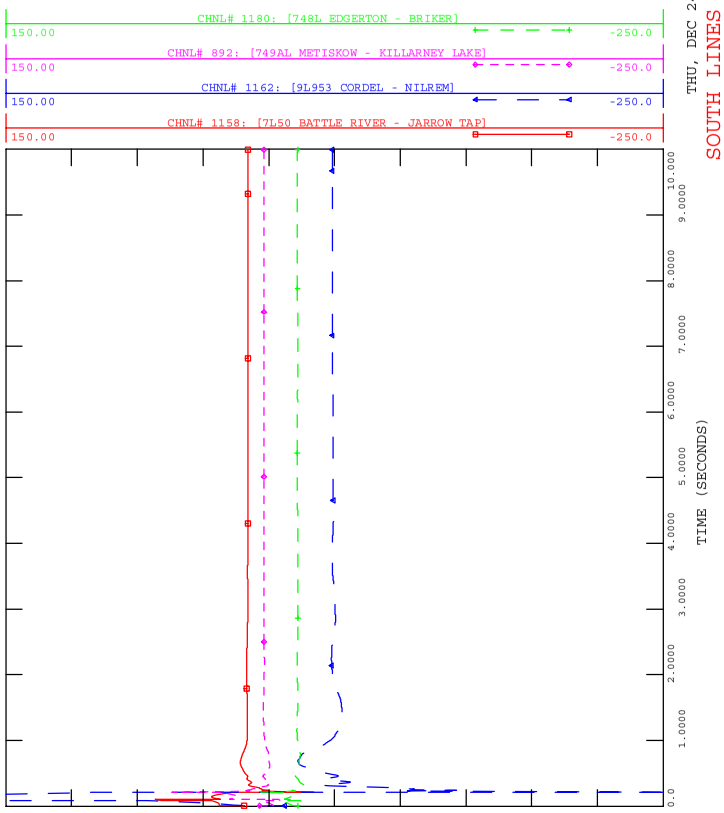


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

SOUTH LINES VAR FLOW

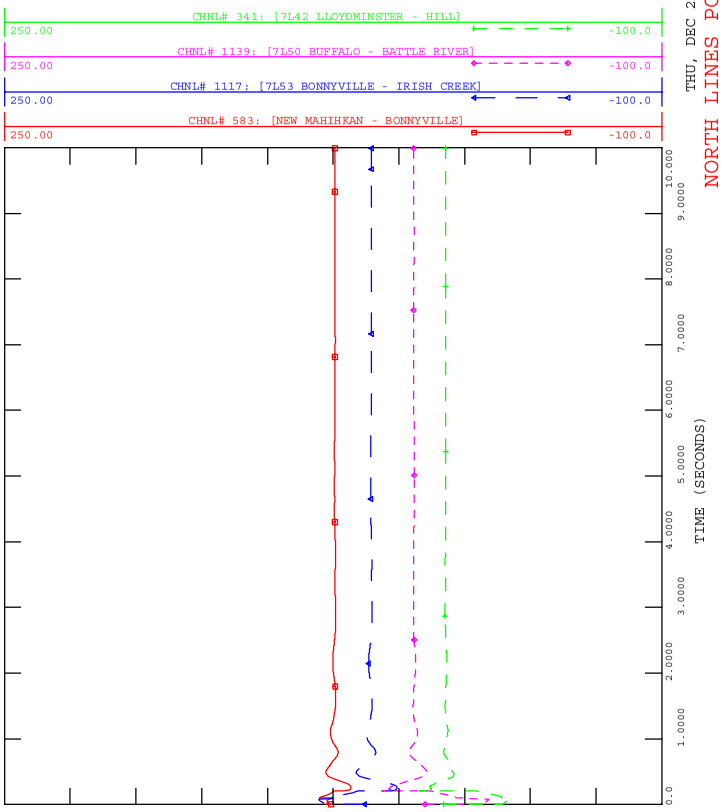


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

NORTH LINES POWER FLOW

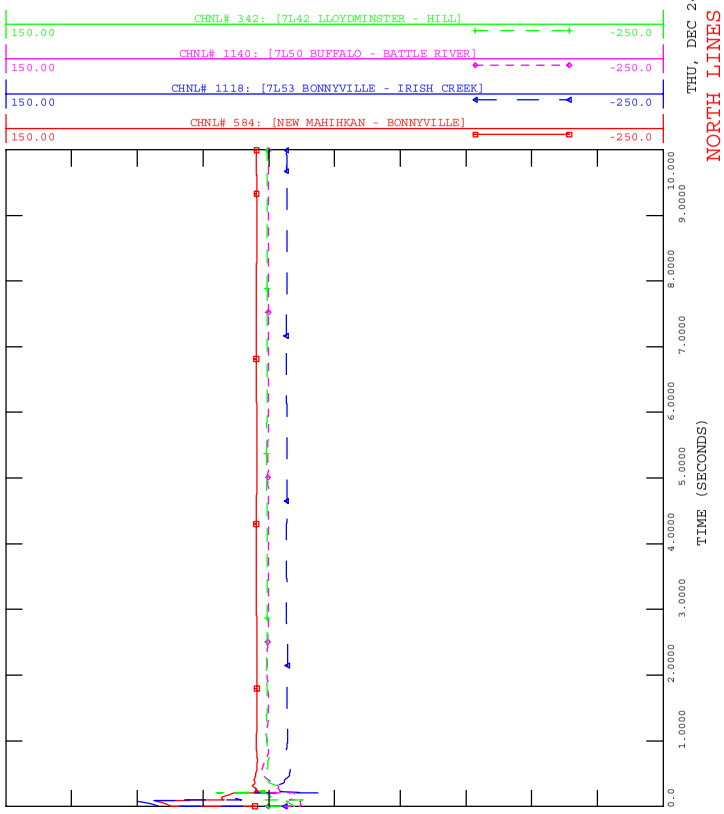


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

NORTH LINES VAR FLOW

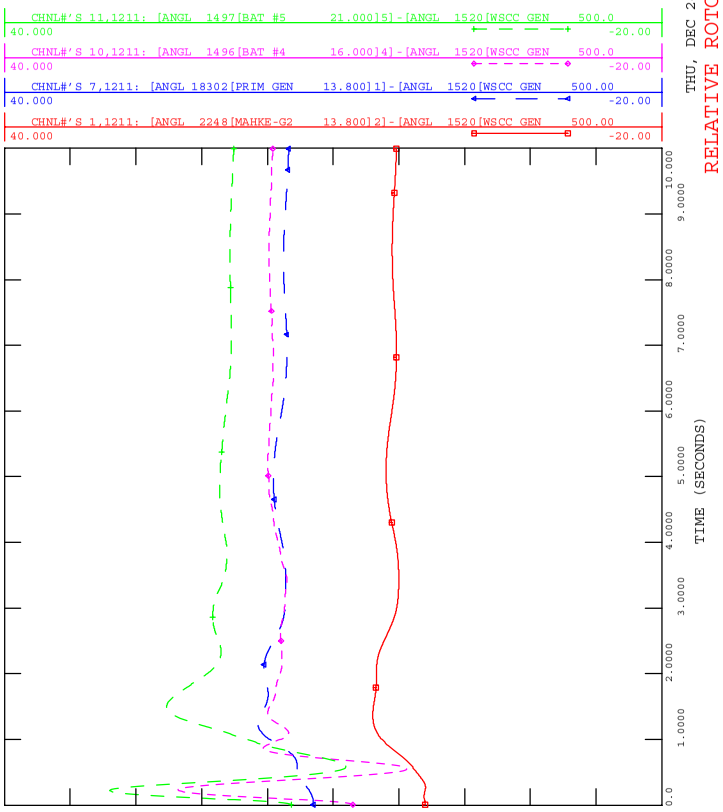


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

RELATIVE ROTOR ANGLES

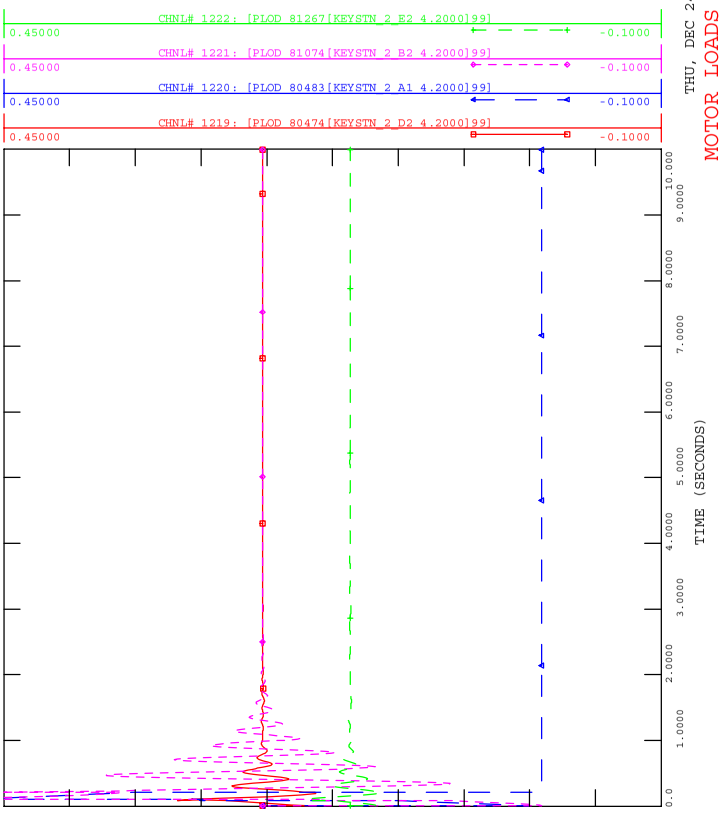


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MOTOR LOADS GROUP II

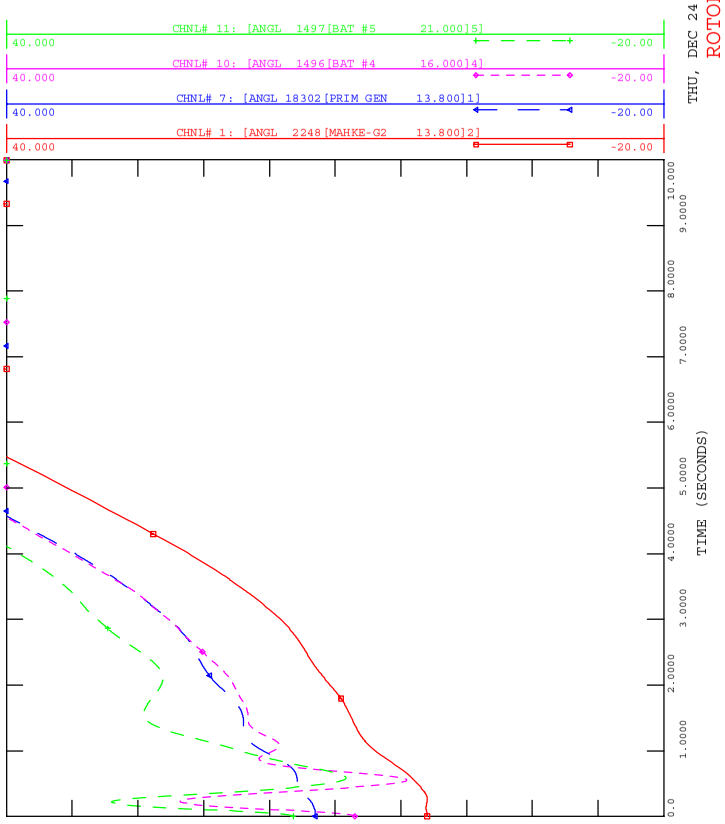


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

ROTOR ANGLES

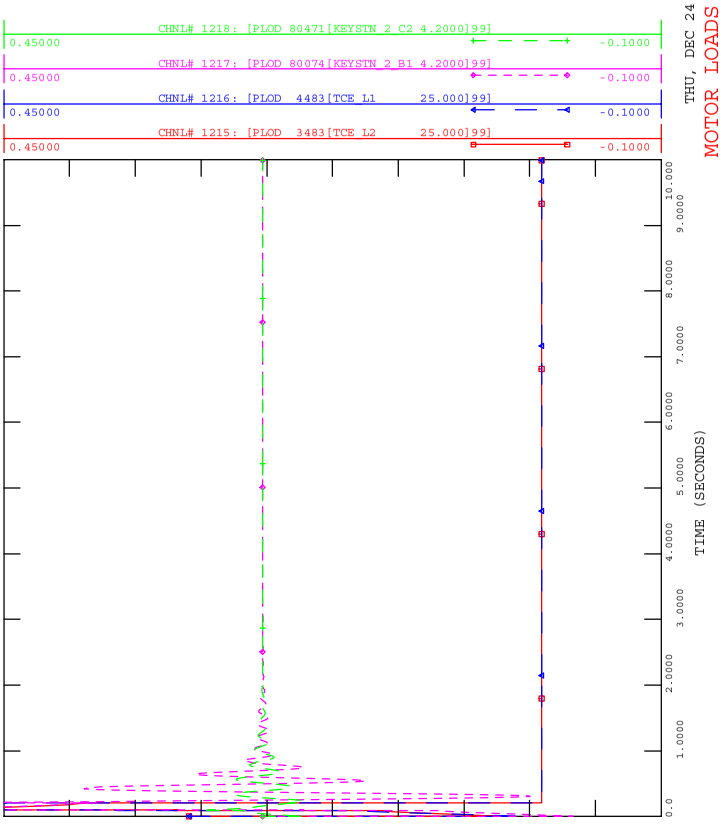


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MOTOR LOADS GROUP I

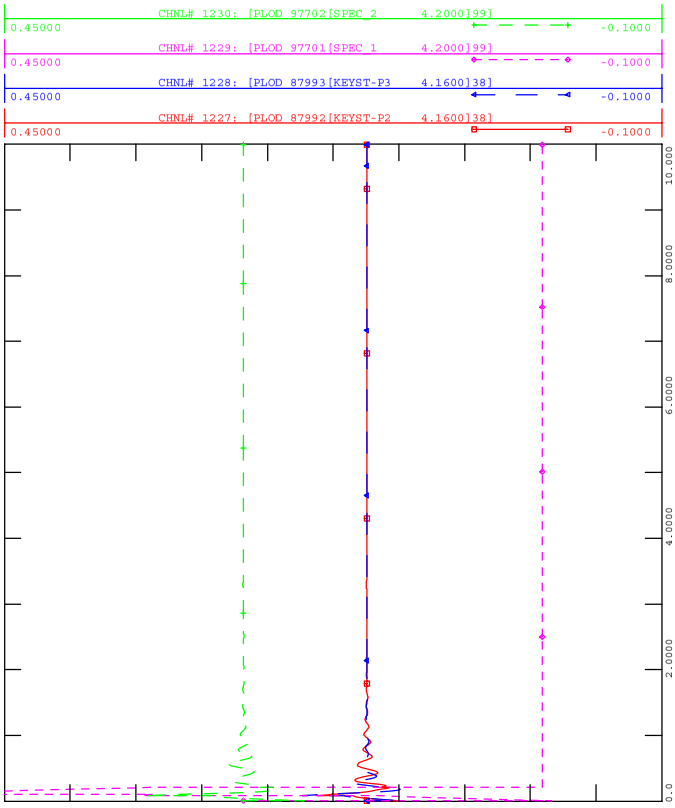


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MOTOR LOADS GROUP IV

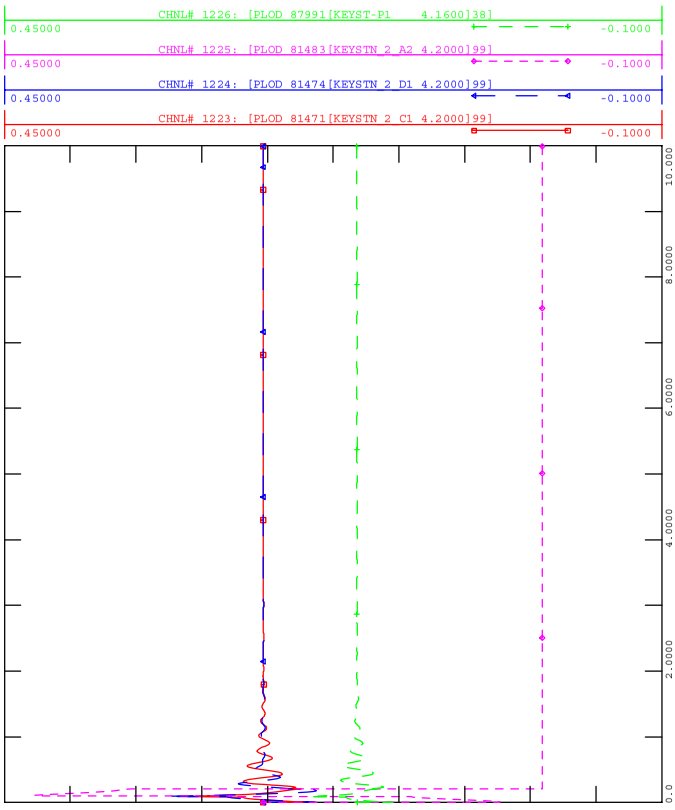


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C3-12fault.out

THU, DEC 24 2009 9:35

MOTOR LOADS GROUP III

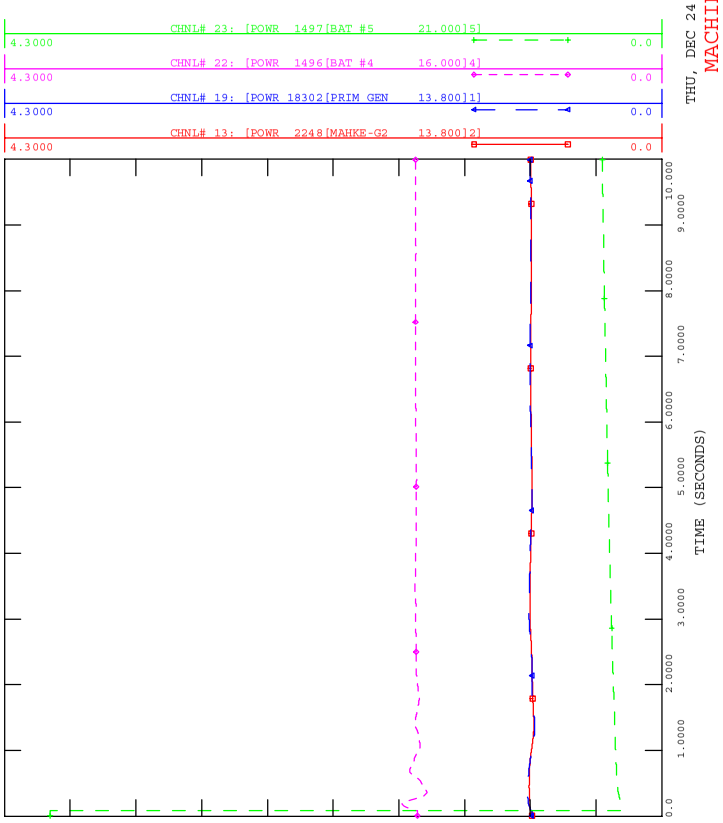


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MACHINE POWER

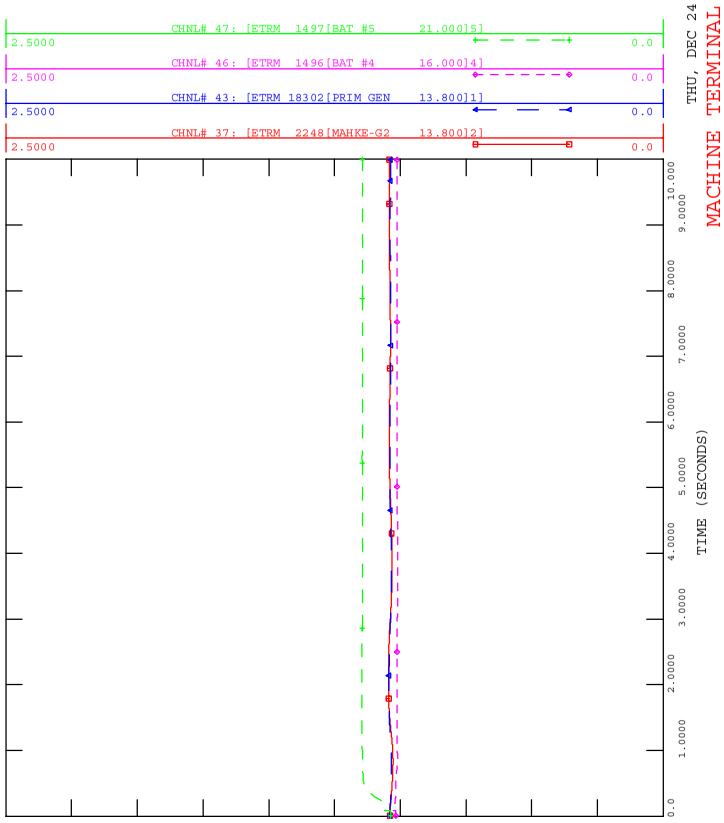


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MACHINE TERMINAL VOLTAGE

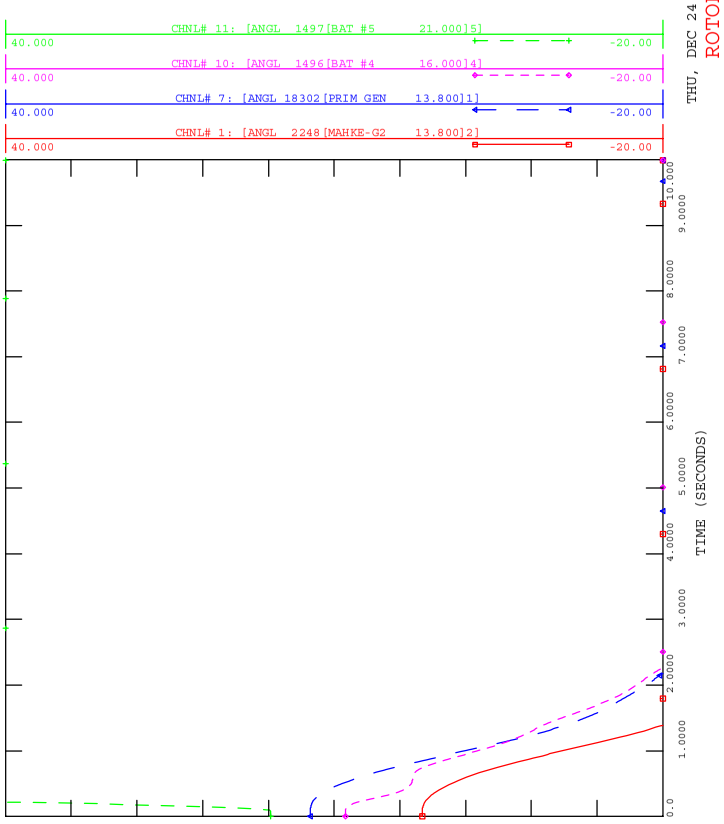


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

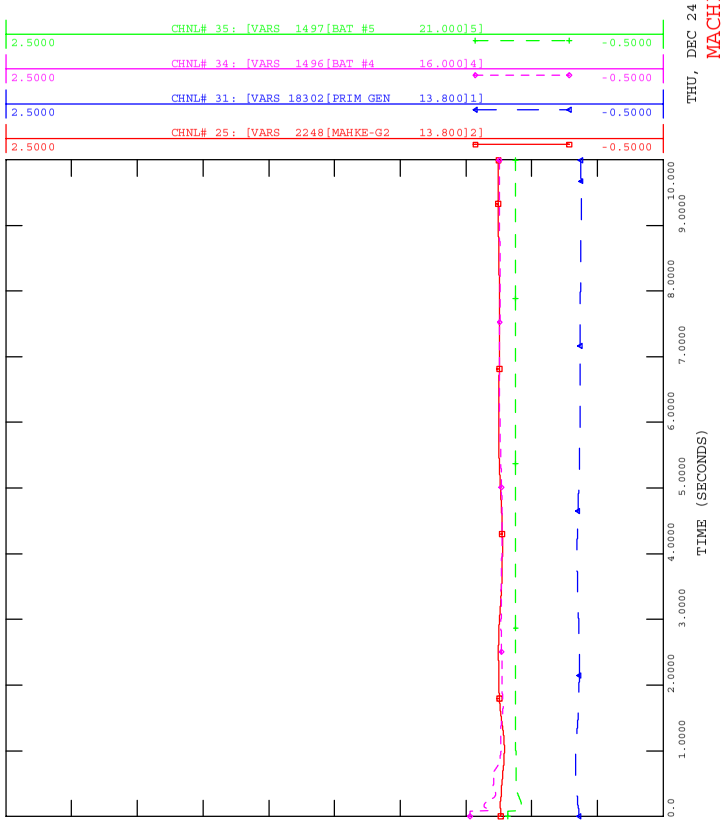


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MACHINE VARS

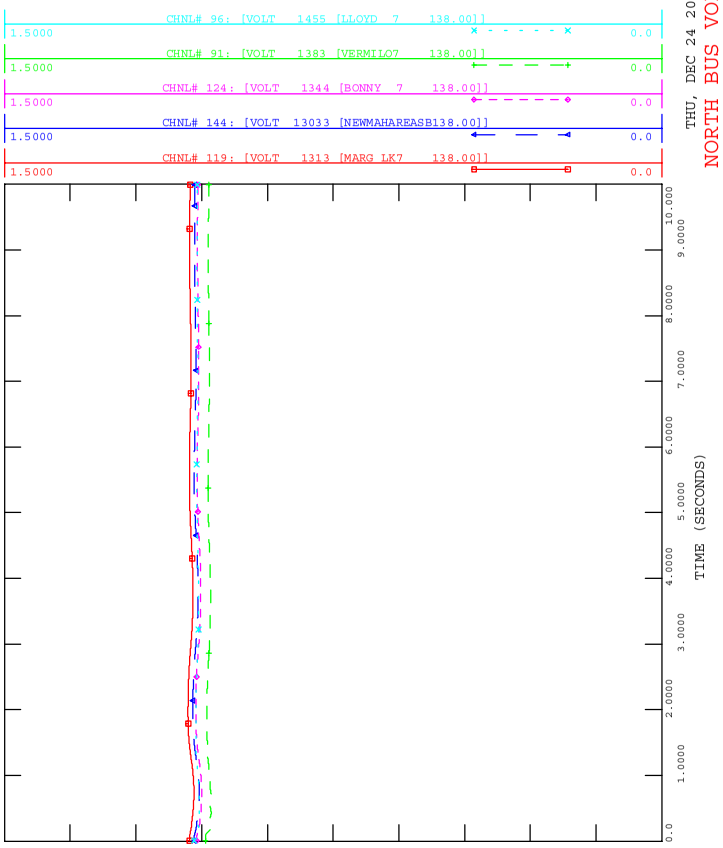


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

NORTH BUS VOLTAGES

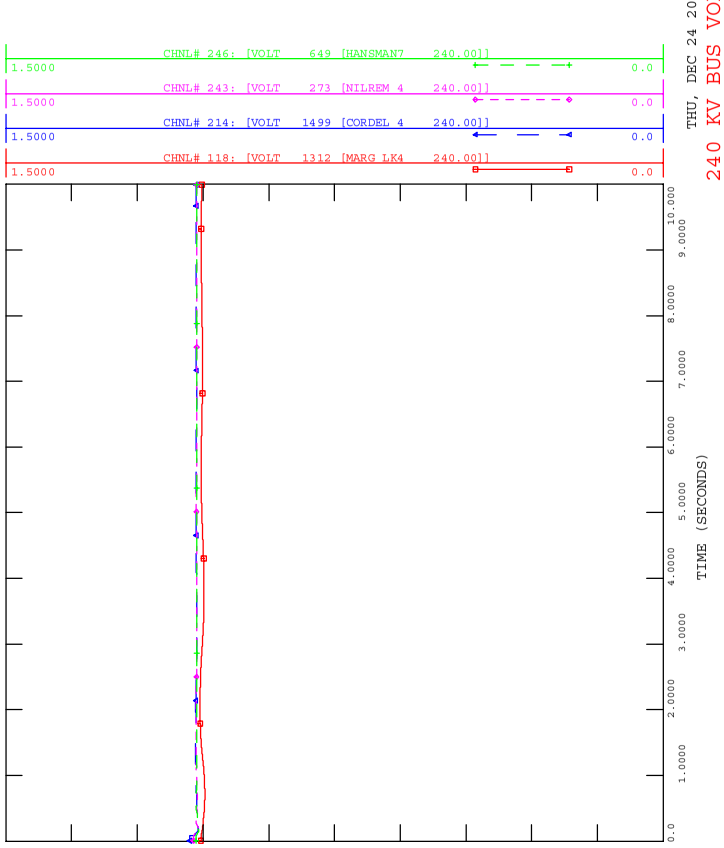


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

240 KV BUS VOLTAGES

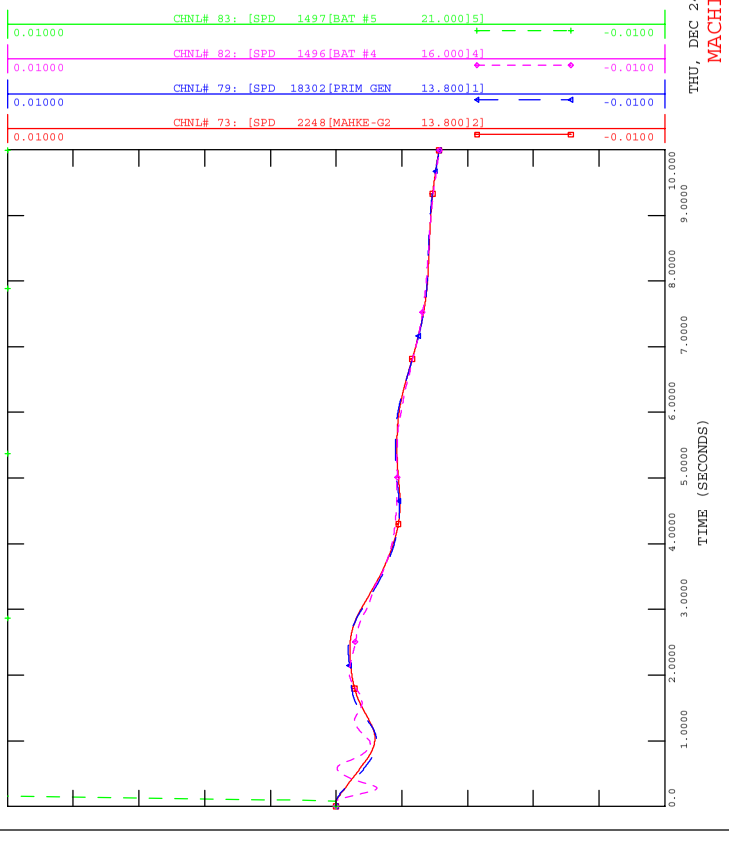


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MACHINE SPEED

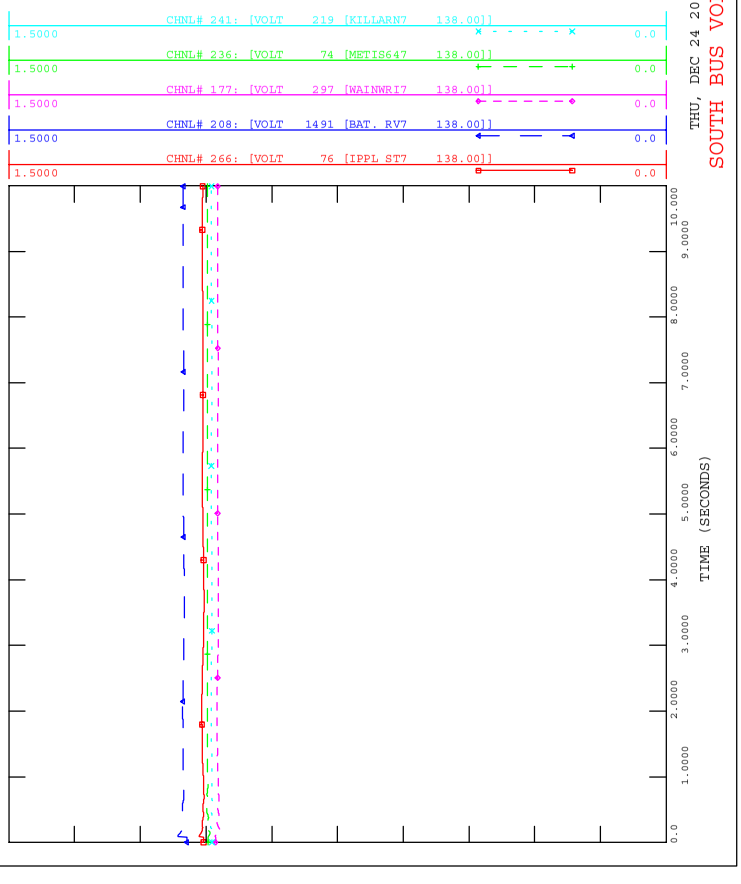


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

SOUTH BUS VOLTAGES



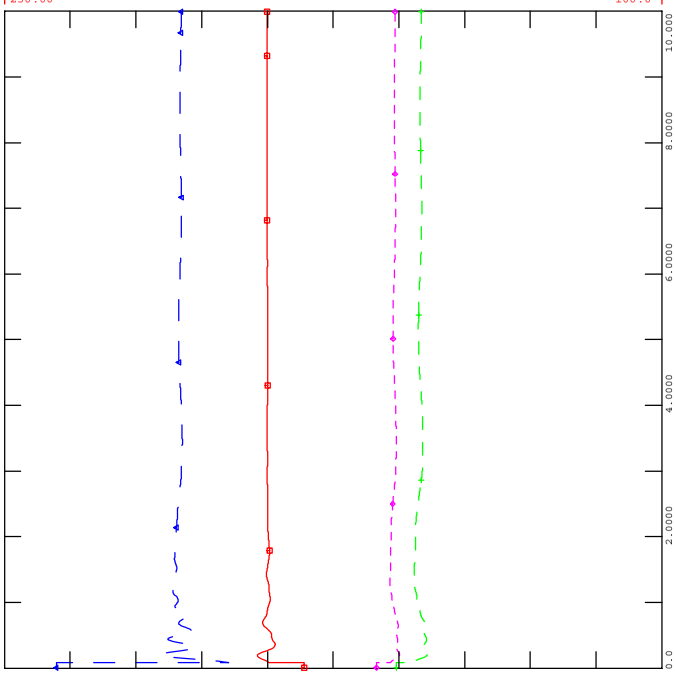
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

SOUTH LINES POWER FLOW

CHNL# 1192: [748L EDGERTON - BRIKER] 250.00 -100.0
CHNL# 905: [749AL METISKOW - KILLARNEY LAKE] 250.00 -100.0
CHNL# 1176: [9L953 CORDEL - NILREM] 250.00 -100.0
CHNL# 1172: [7L50 BATTLE RIVER - JARROW TAP] 250.00 -100.0



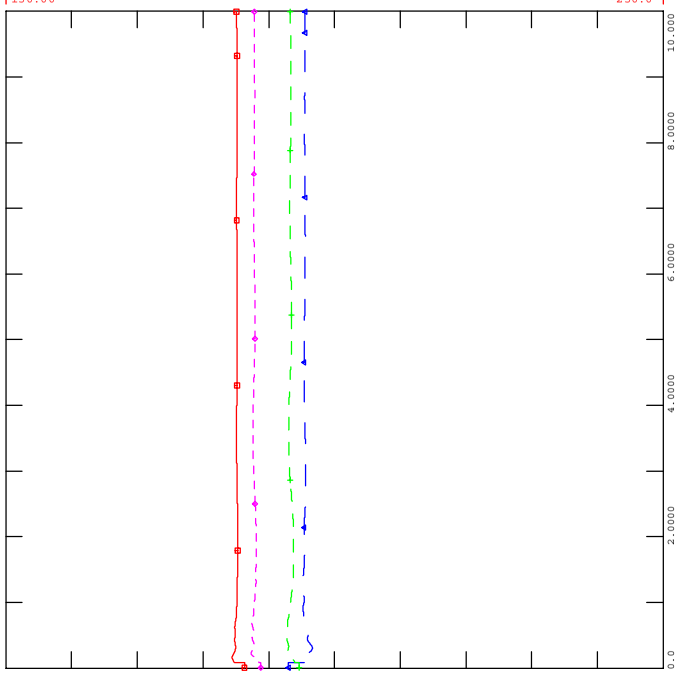
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

SOUTH LINES VAR FLOW

CHNL# 1193: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 906: [749AL METISKOW - KILLARNEY LAKE] 150.00 -250.0
CHNL# 1177: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1173: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0



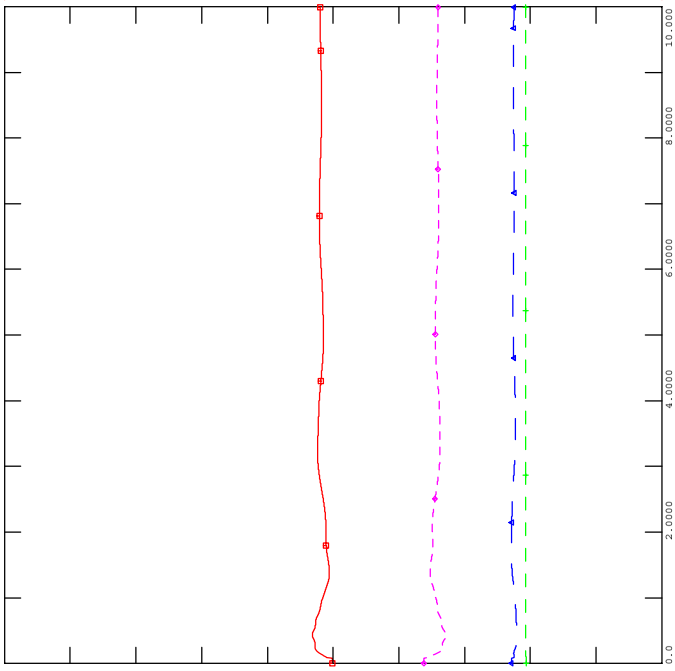
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

NORTH LINES POWER FLOW

CHNL# 353: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1152: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1131: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0



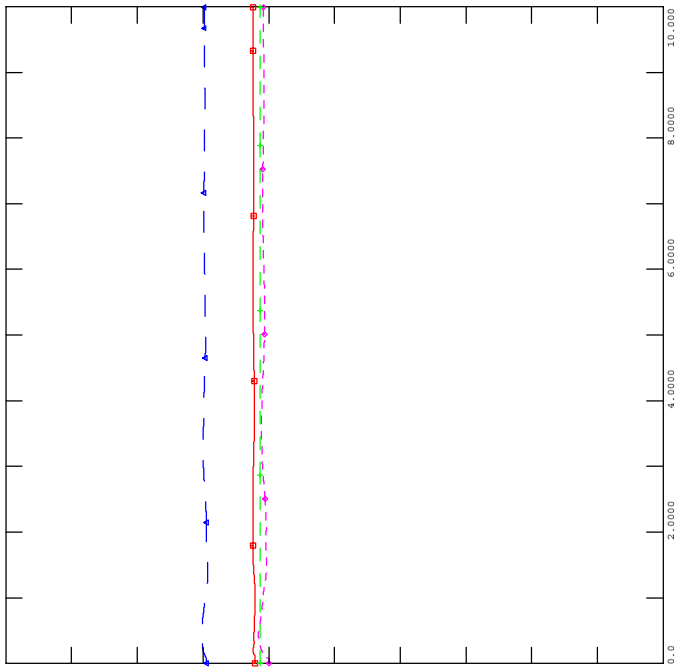
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

NORTH LINES VAR FLOW

CHNL# 354: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1153: [7L50 BUFFALO - BATTLE RIVER] 150.00 -250.0
CHNL# 1132: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0

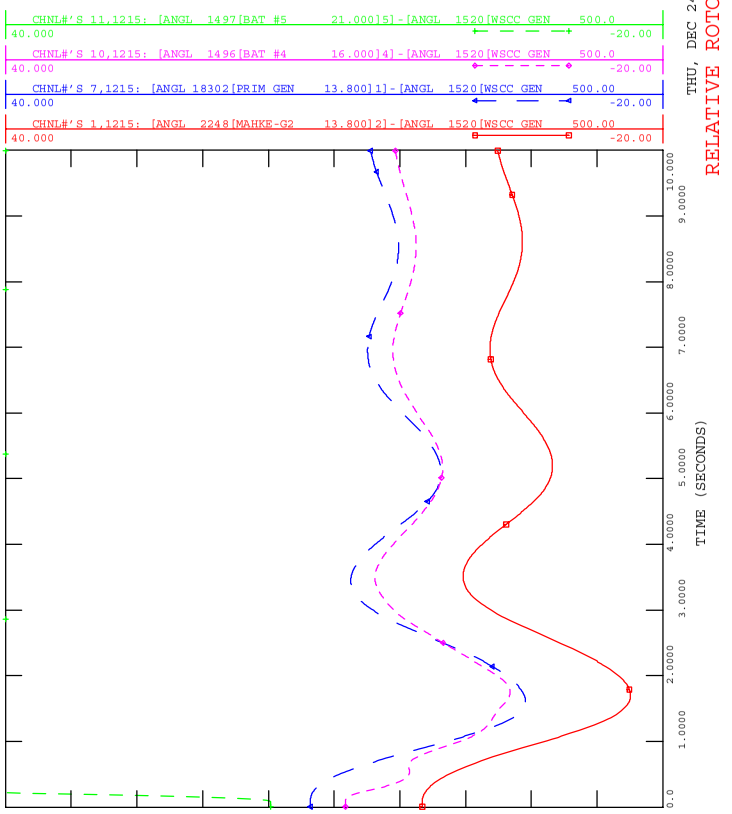


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

RELATIVE ROTOR ANGLES

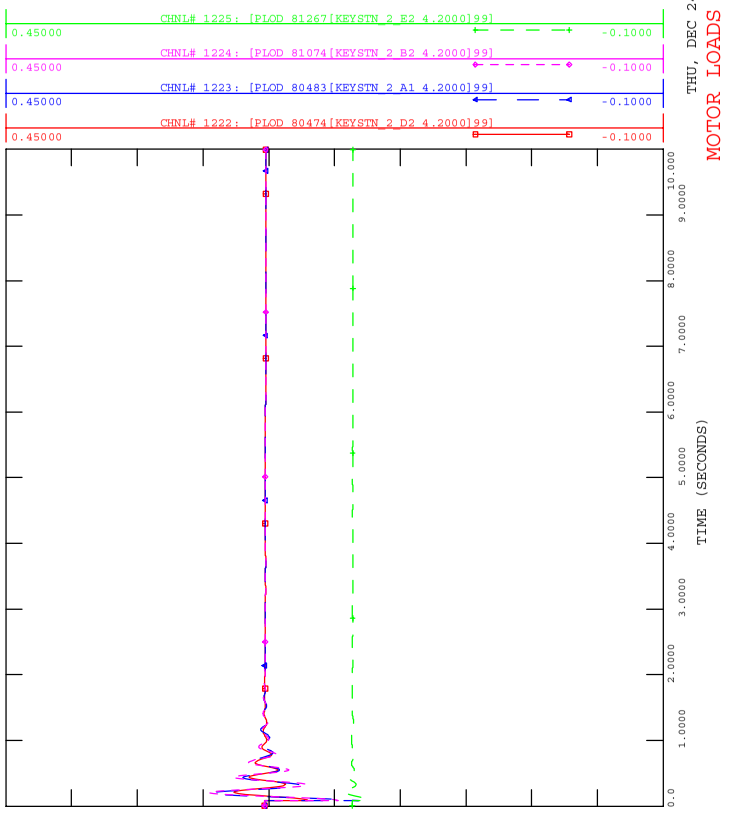


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP II

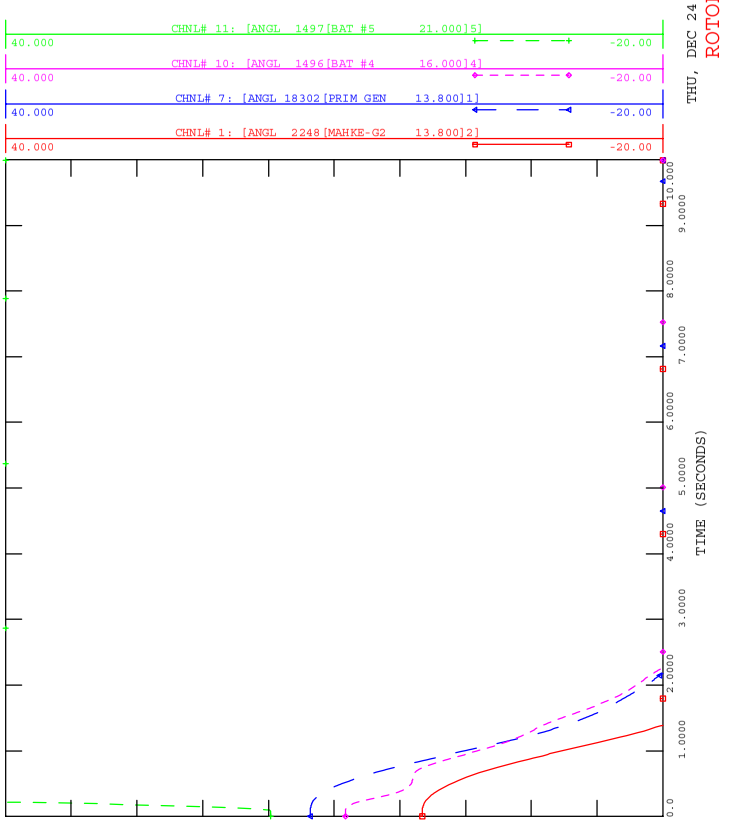


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

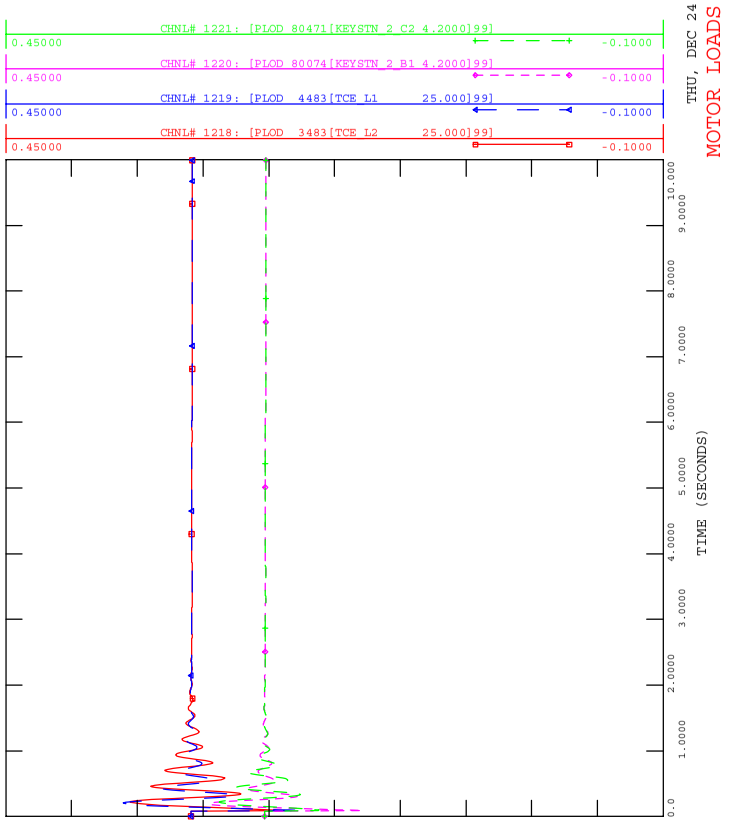


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP I

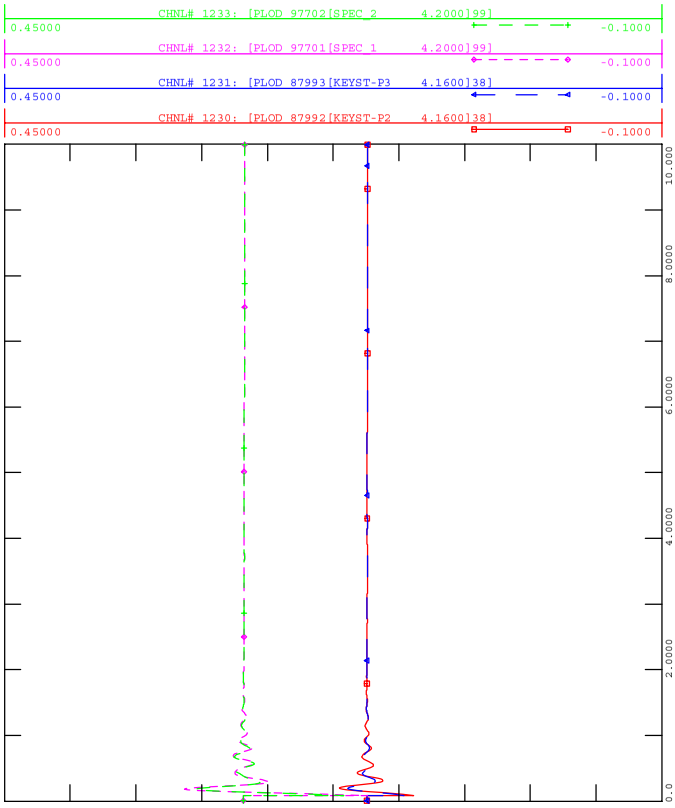


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP IV

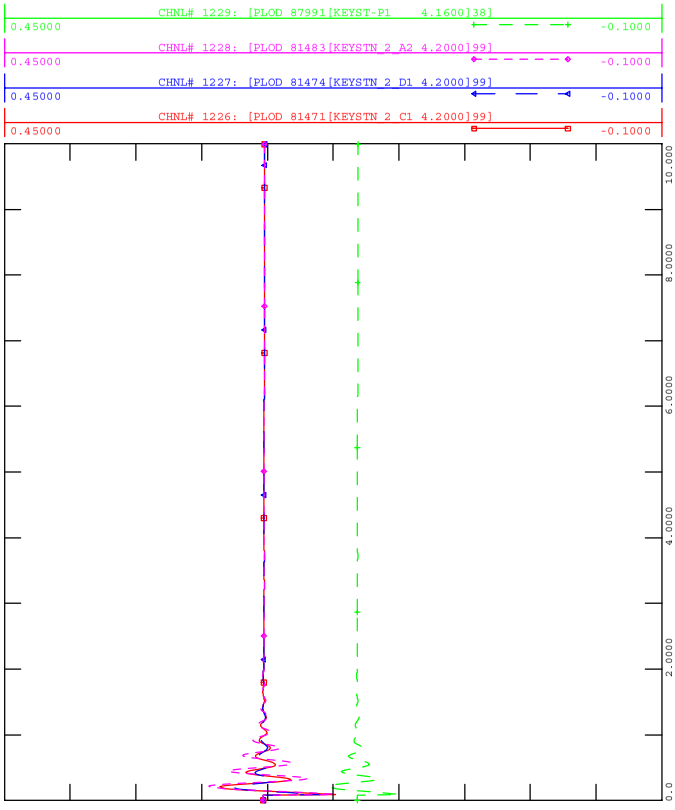


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-1fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP III

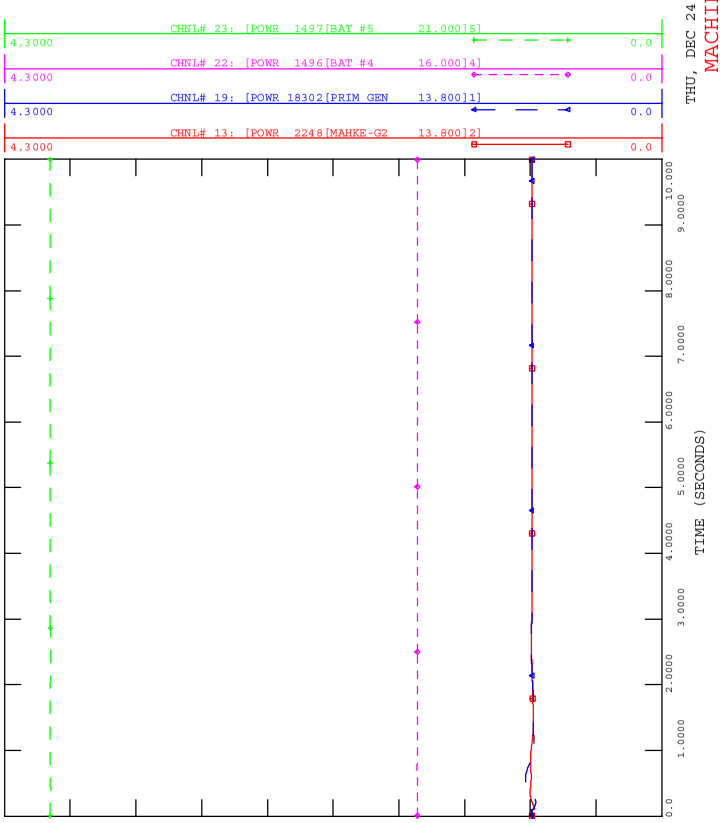


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MACHINE POWER

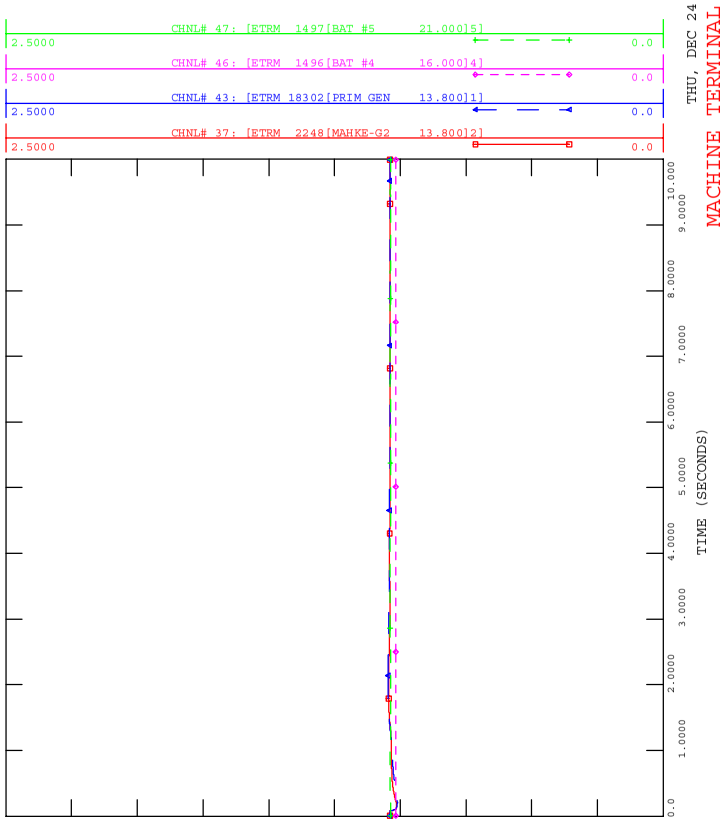


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MACHINE TERMINAL VOLTAGE

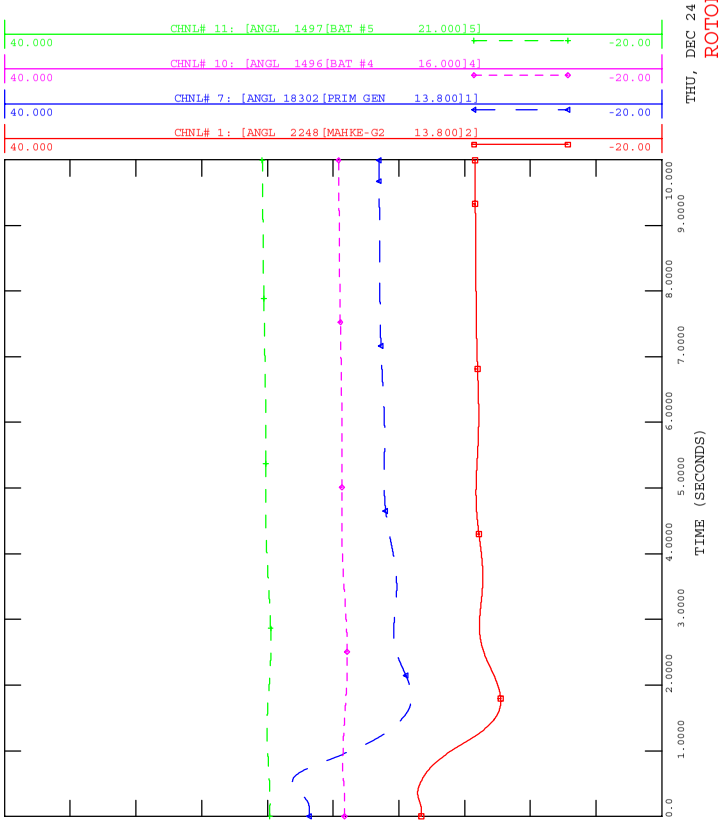


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

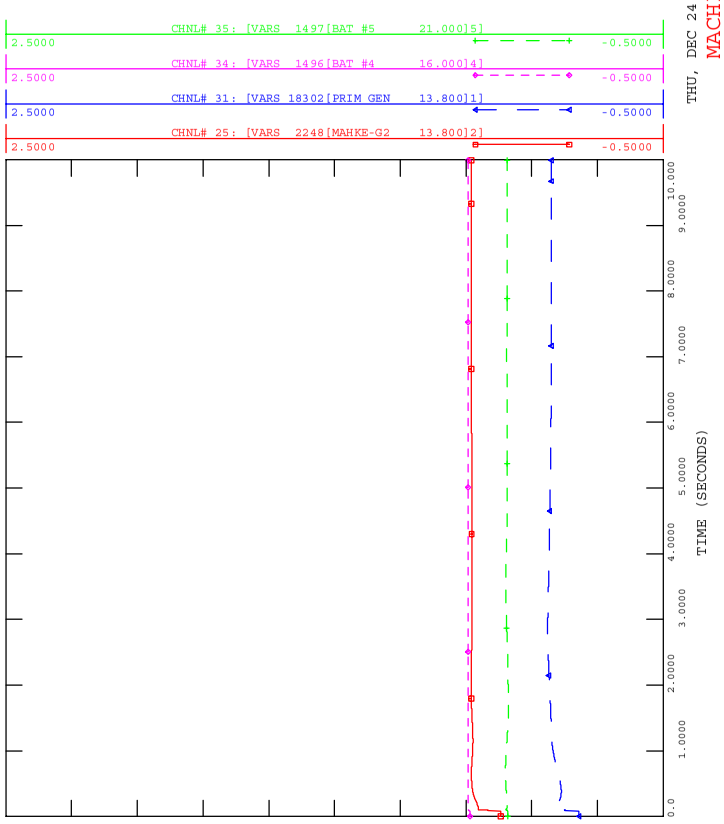


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MACHINE VARS

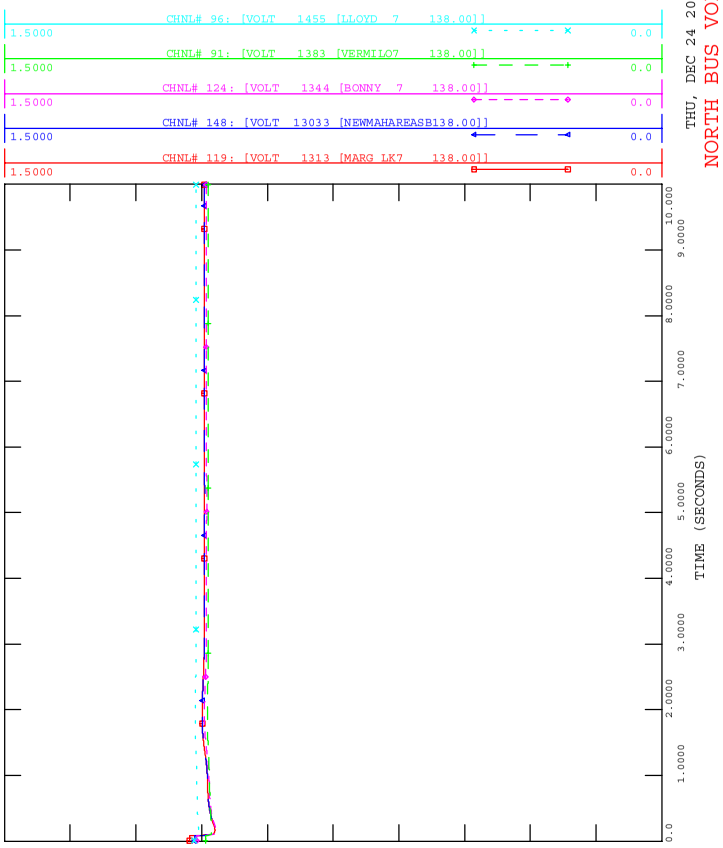


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

NORTH BUS VOLTAGES

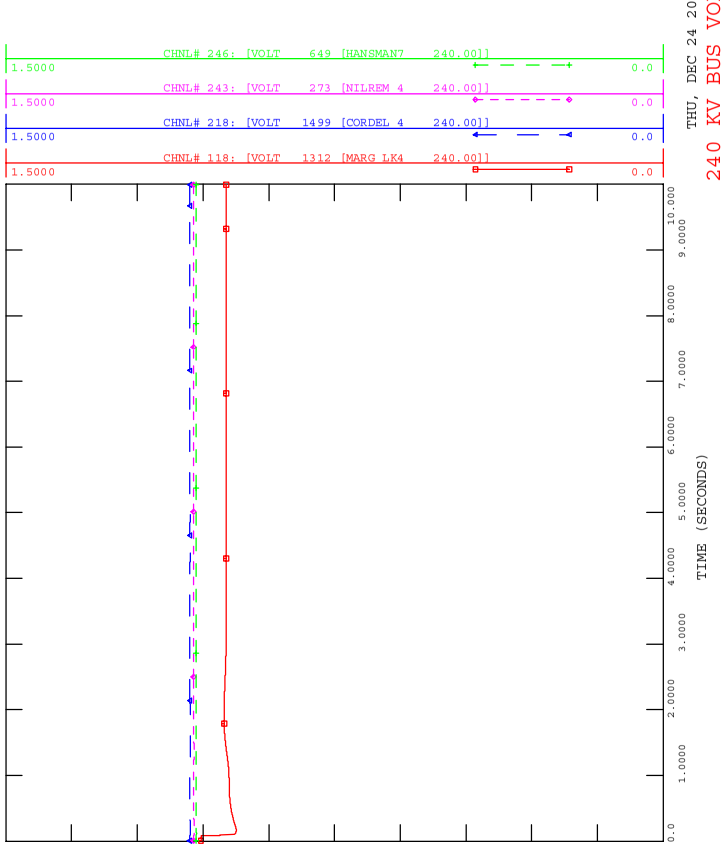


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

240 KV BUS VOLTAGES

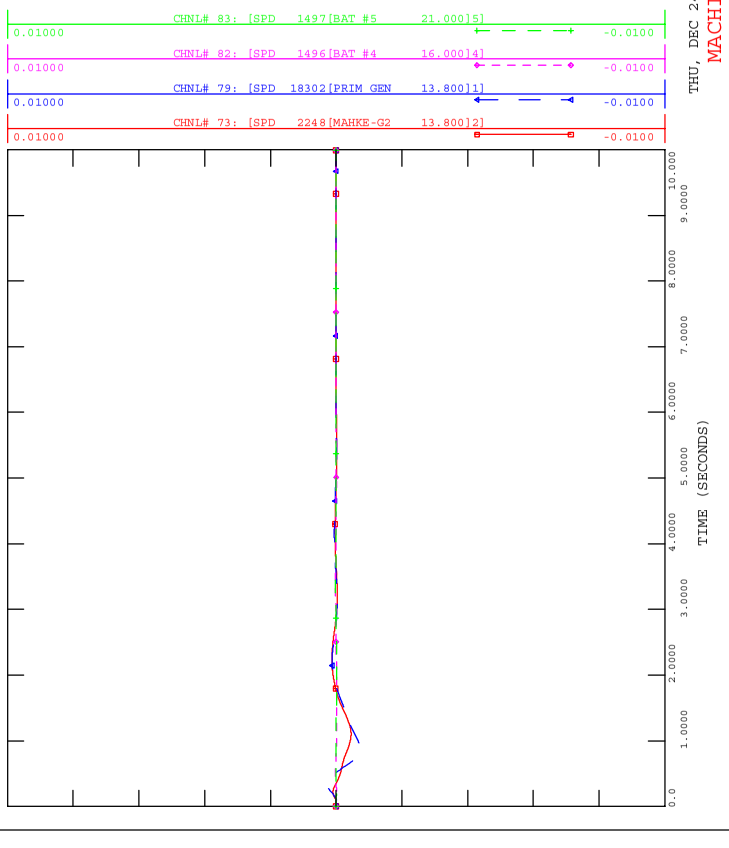


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MACHINE SPEED

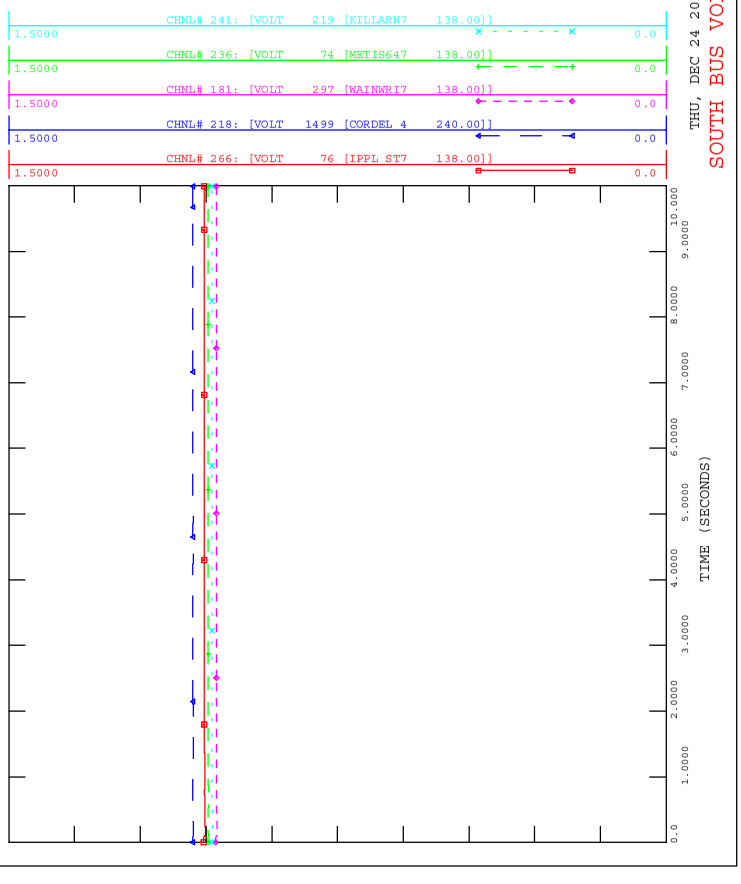


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

SOUTH BUS VOLTAGES

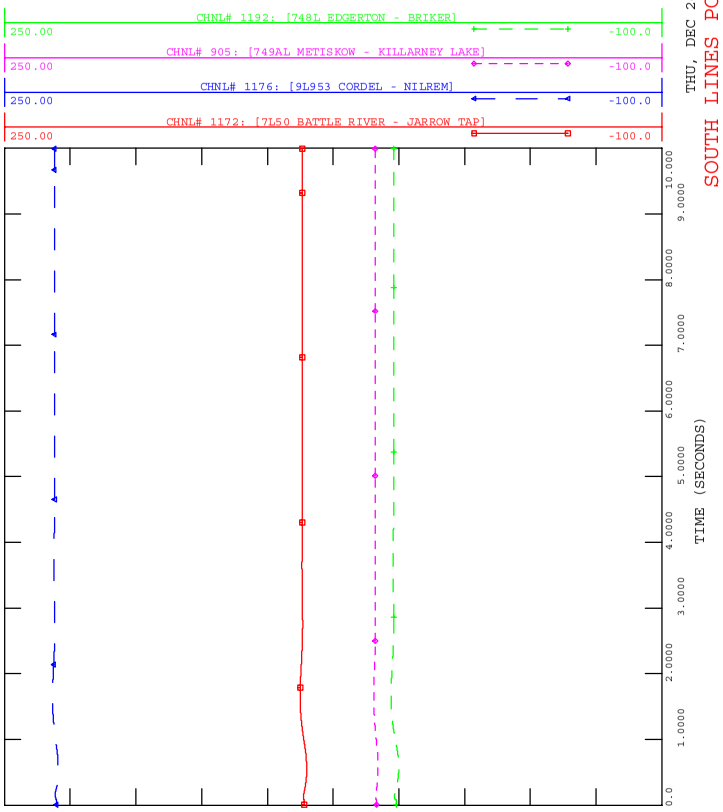


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

SOUTH LINES POWER FLOW

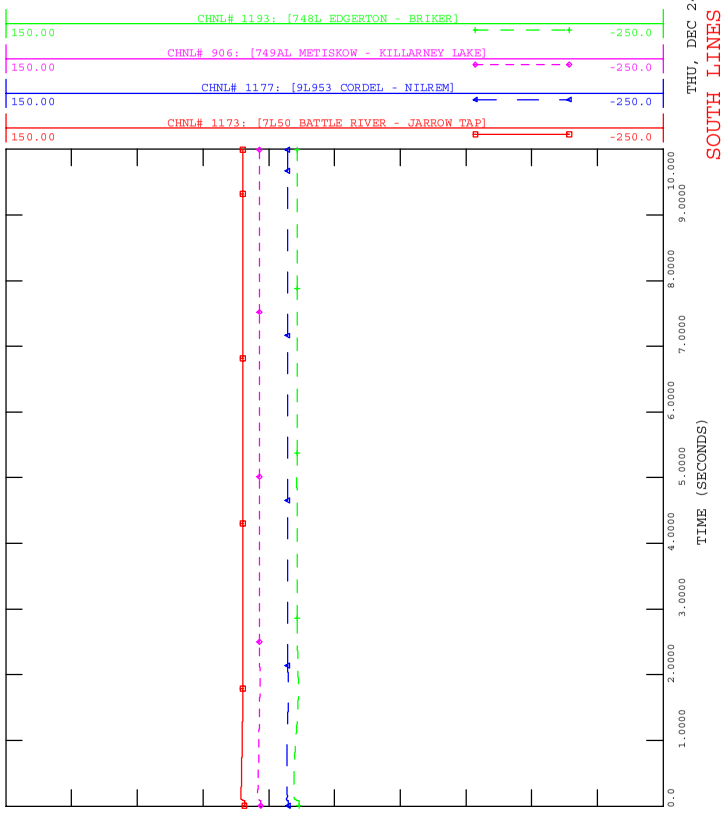


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

SOUTH LINES VAR FLOW

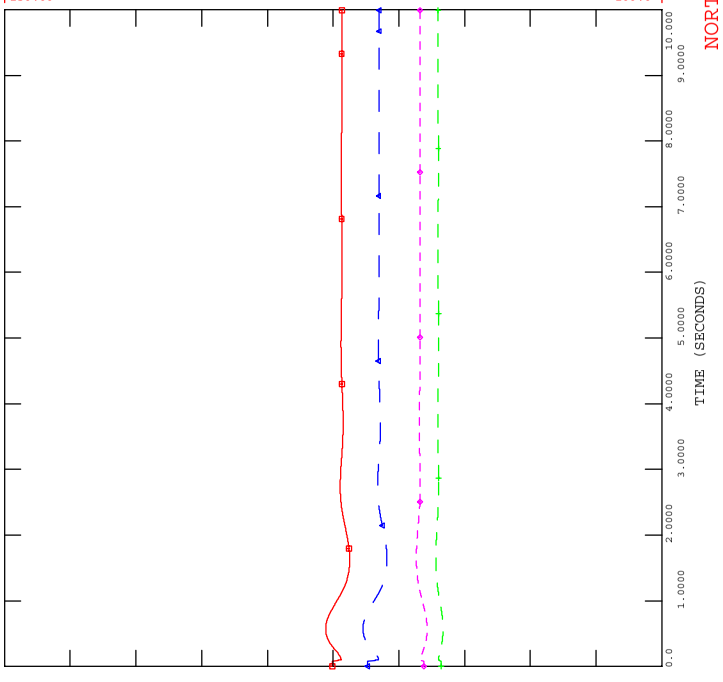


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

NORTH LINES POWER FLOW

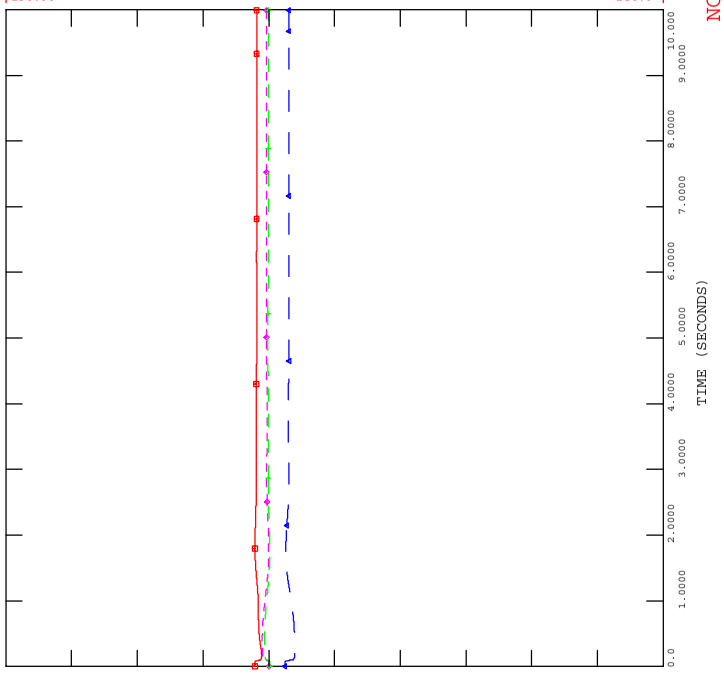


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

NORTH LINES VAR FLOW

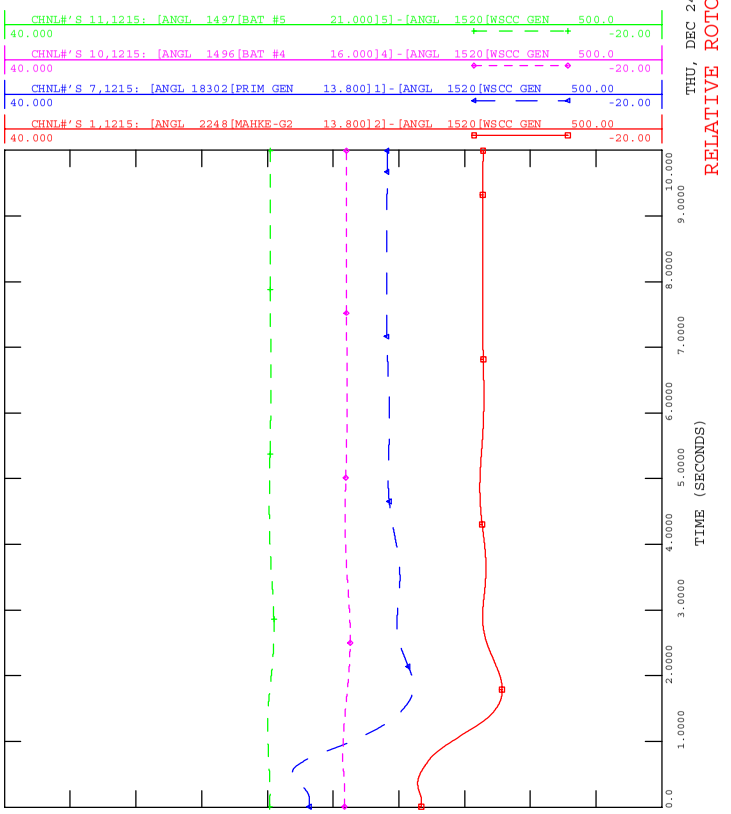


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

RELATIVE ROTOR ANGLES

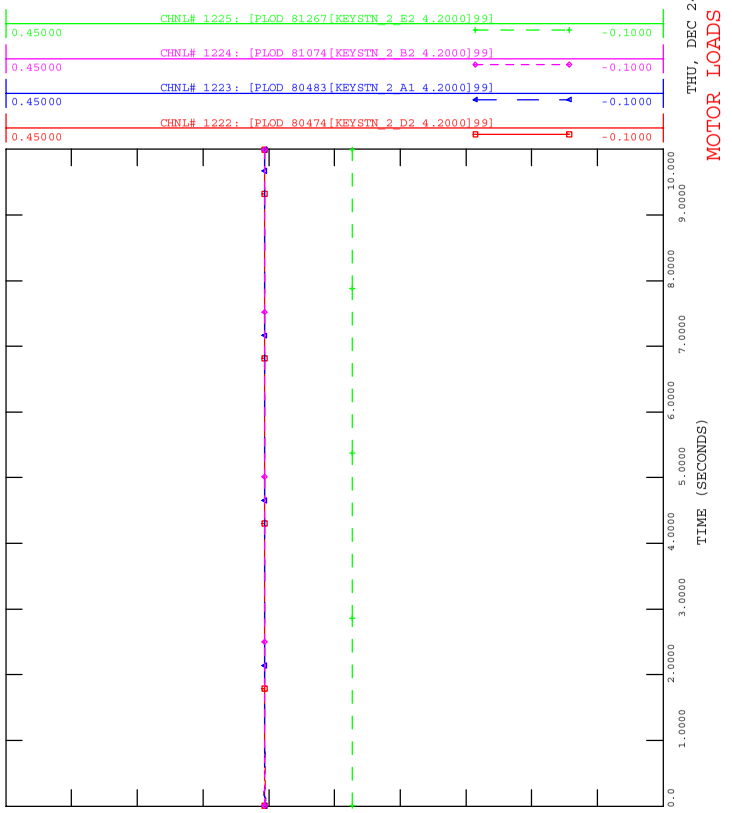


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP II

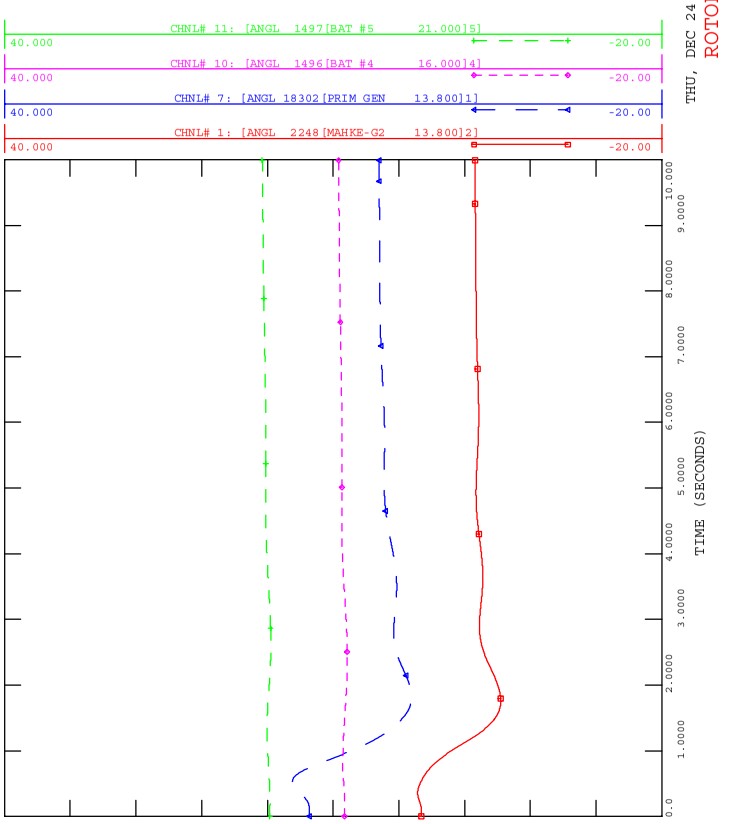


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

ROTOR ANGLES

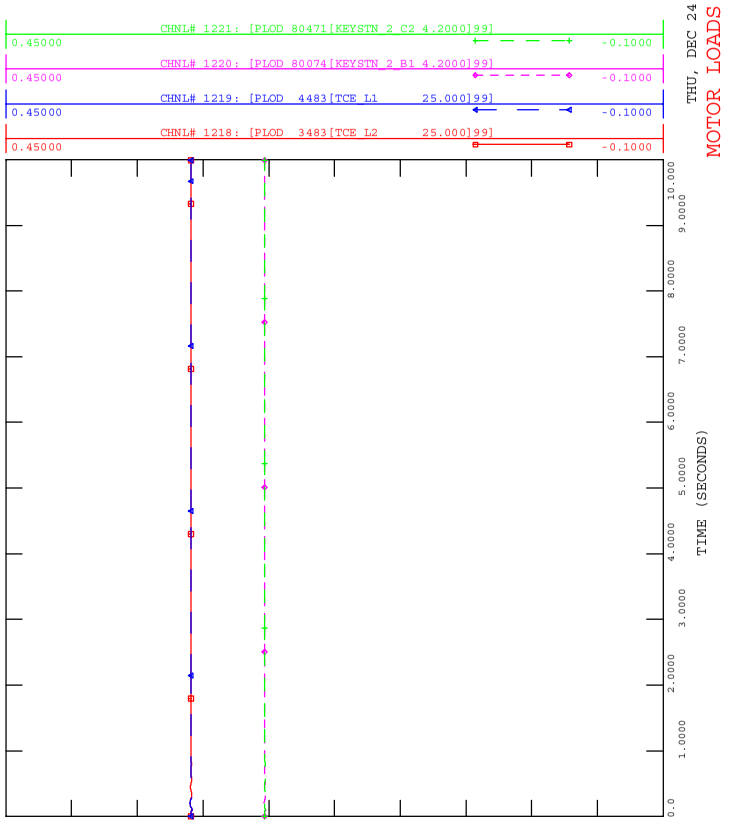


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP I

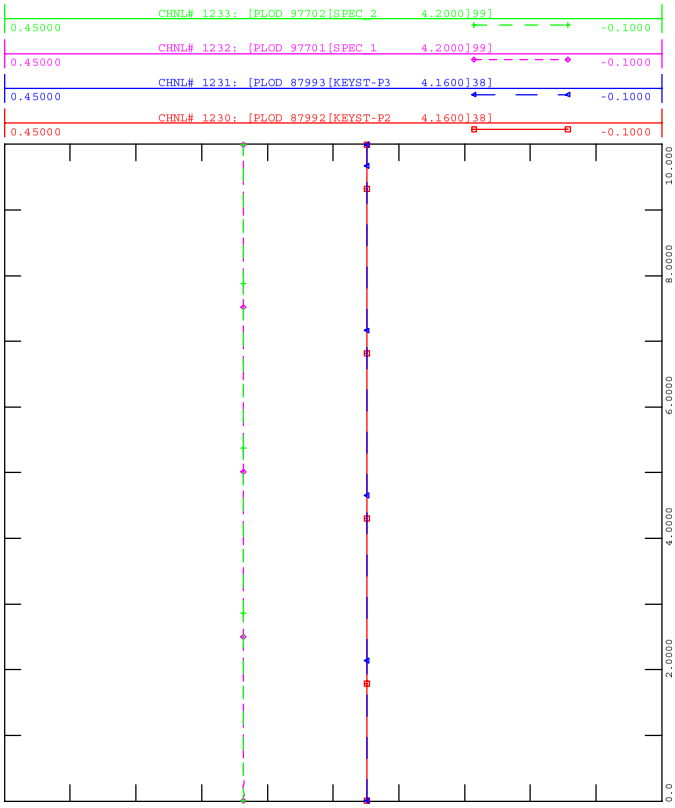


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP IV

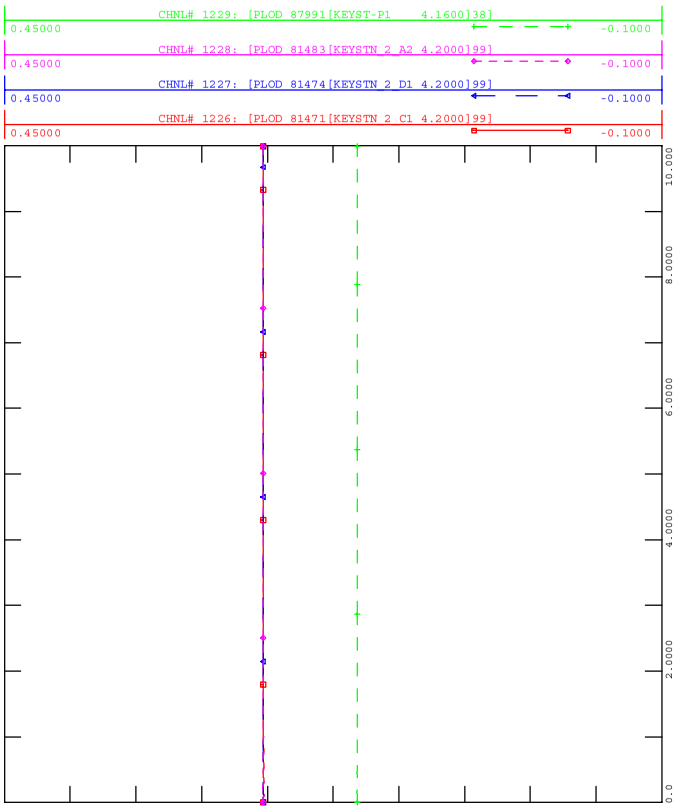


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-2fault.out

THU, DEC 24 2009 8:10

MOTOR LOADS GROUP III

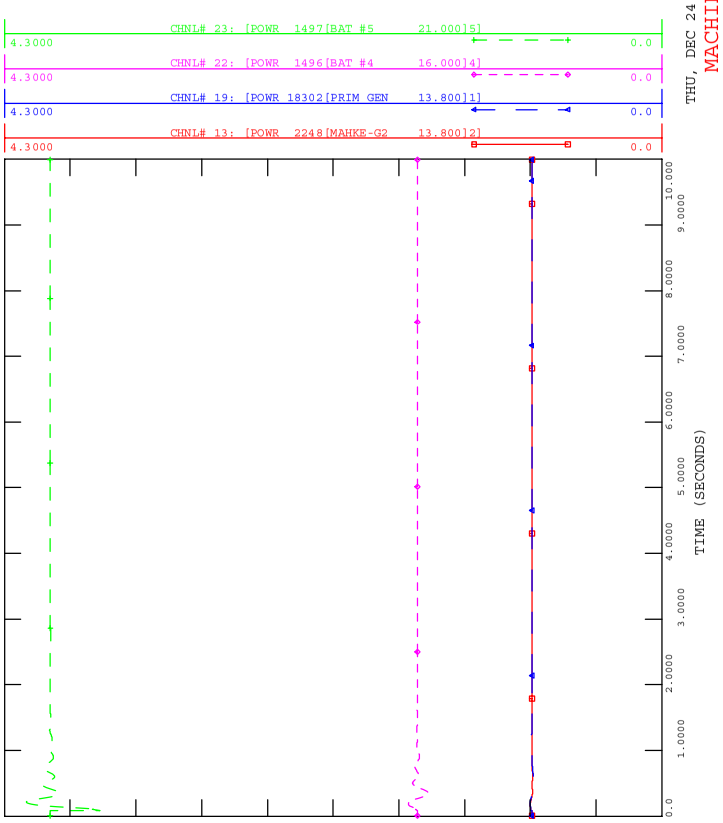


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

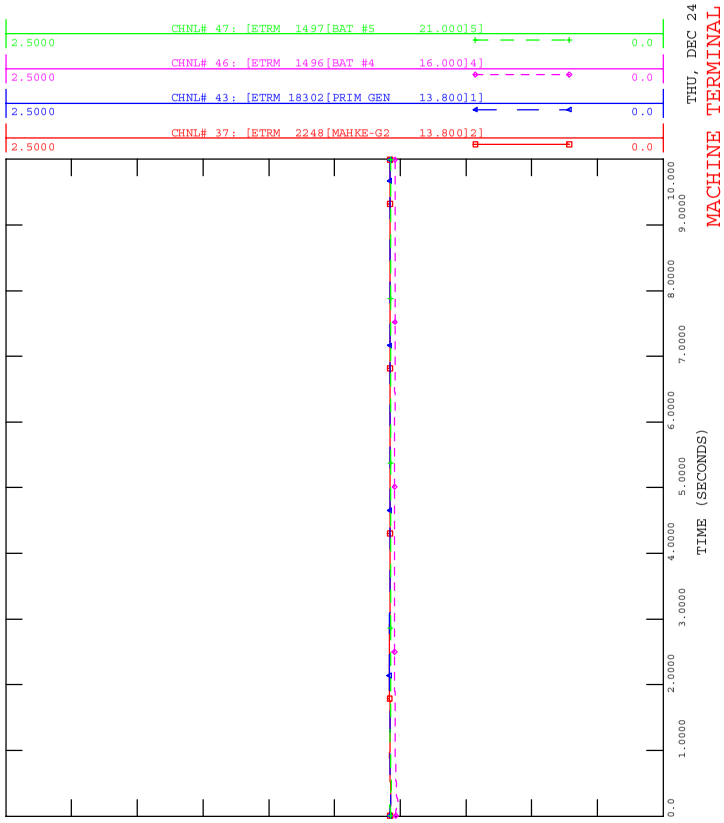


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

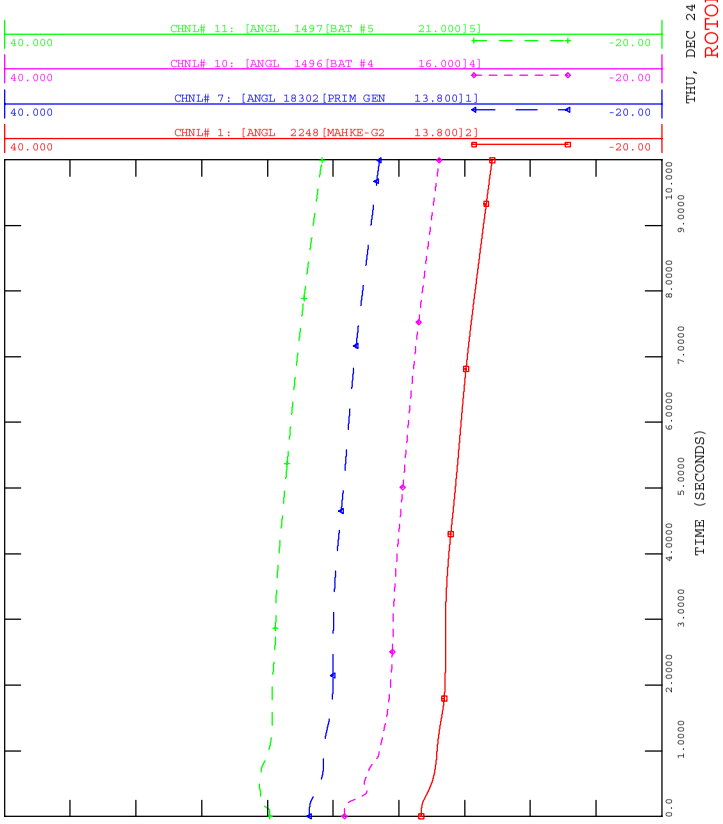


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

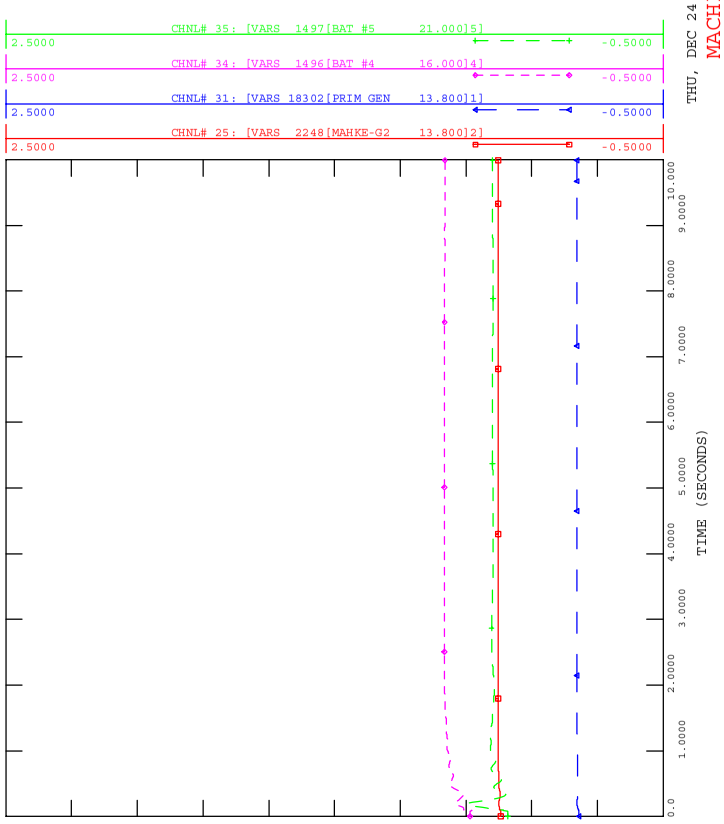


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

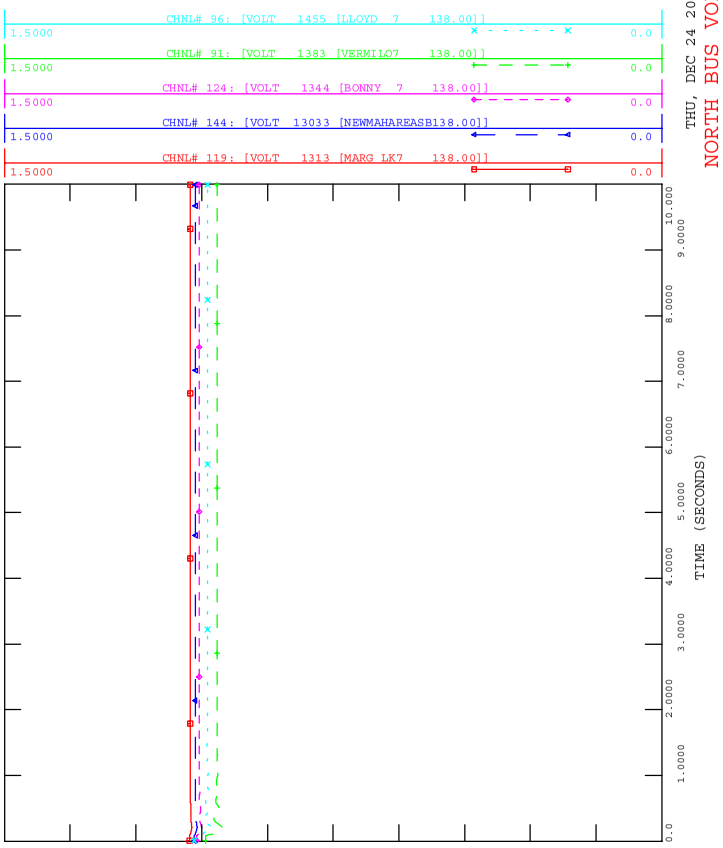


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

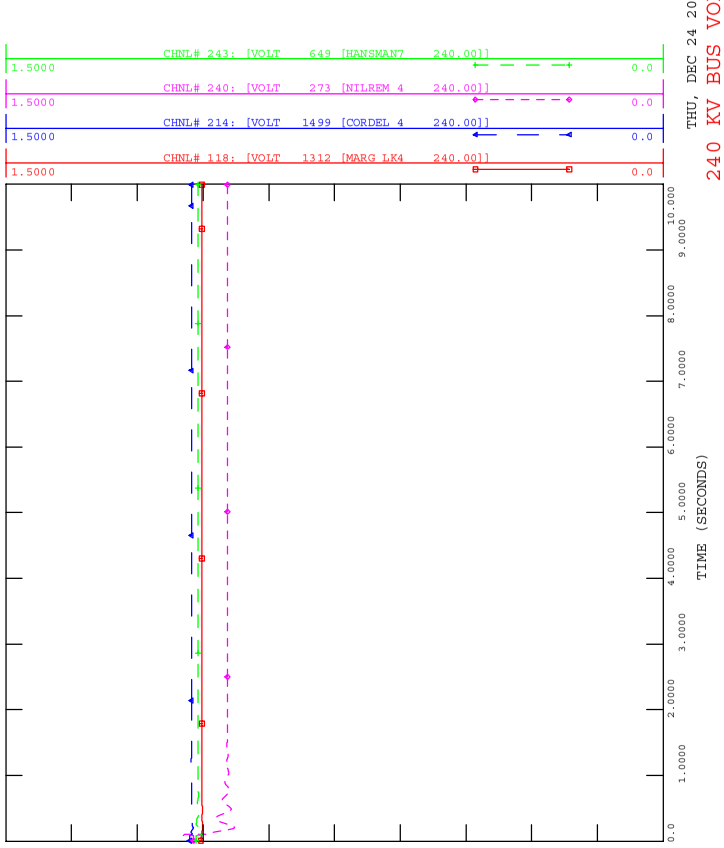


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

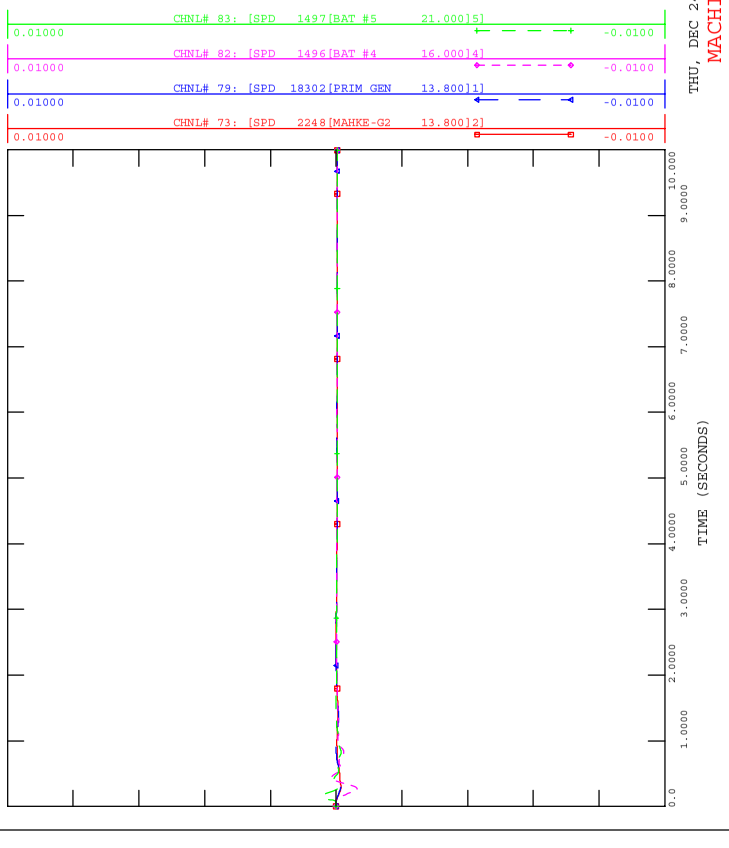


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

MACHINE SPEED

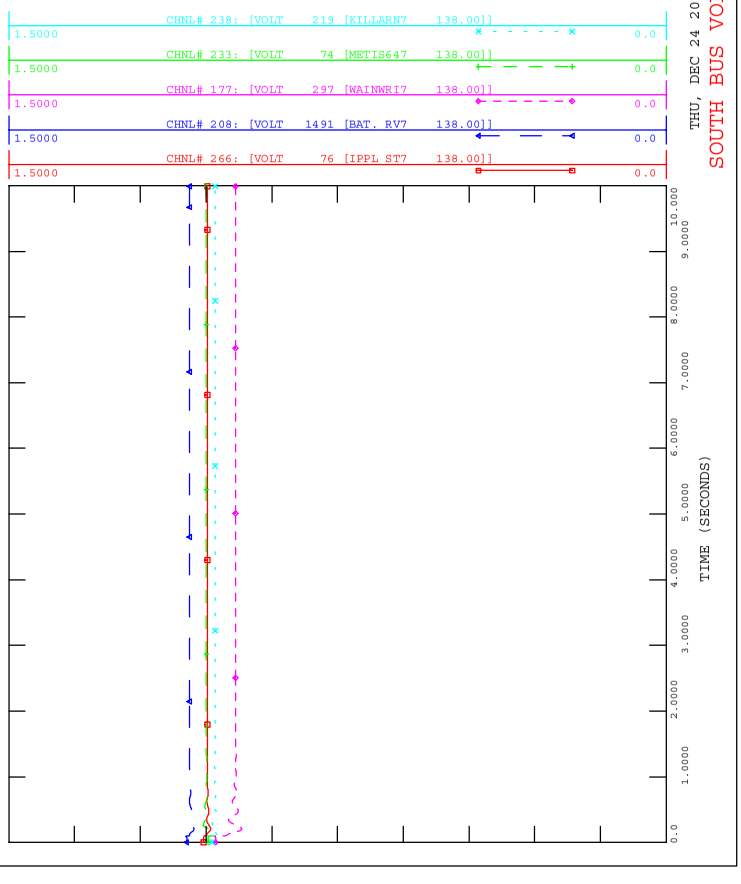


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES



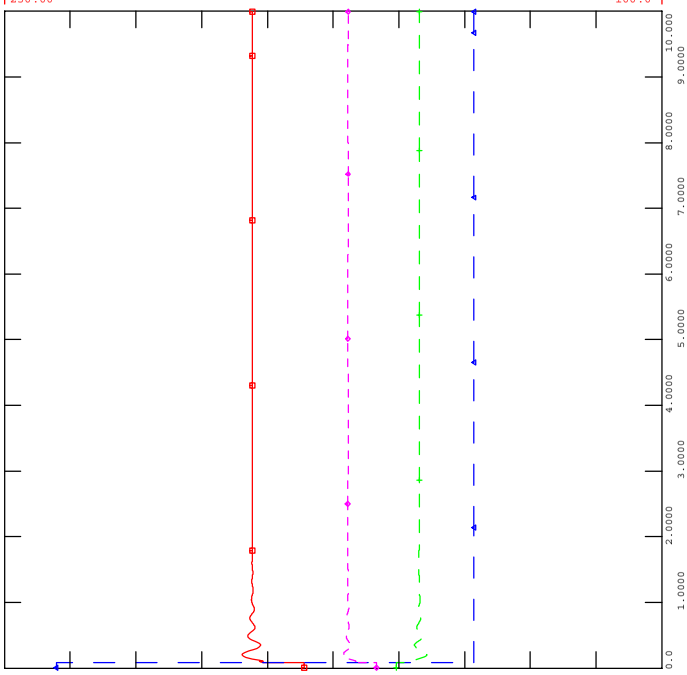
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

CHNL# 1190: [748L EDGERTON - BRIKER] 250.00 -100.0
CHNL# 893: [749AL METISKOW - KILARNEY LAKE] 250.00 -100.0
CHNL# 1180: [9L953 CORDEL - NILREM] 250.00 -100.0
CHNL# 1172: [7L50 BATTLE RIVER - JARROW TAP] 250.00 -100.0



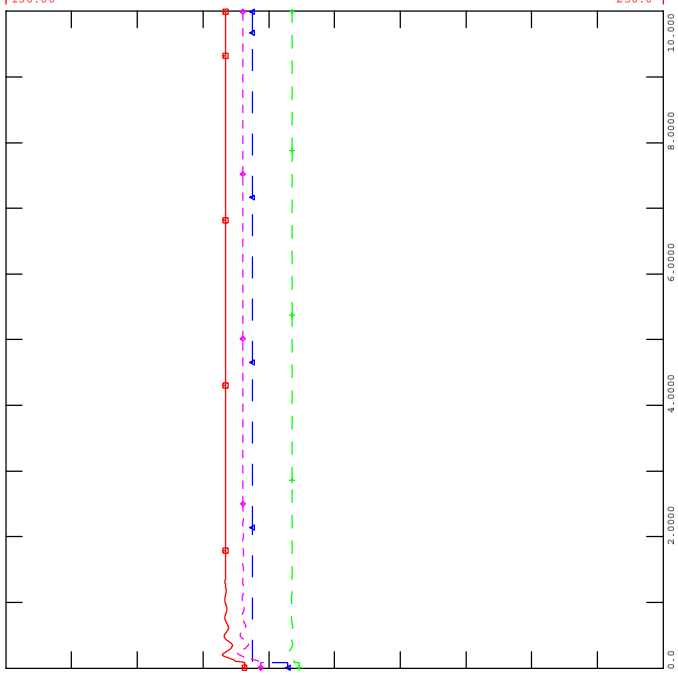
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

CHNL# 1191: [748L EDGERTON - BRIKER] 150.00 -250.0
CHNL# 894: [749AL METISKOW - KILARNEY LAKE] 150.00 -250.0
CHNL# 1181: [9L953 CORDEL - NILREM] 150.00 -250.0
CHNL# 1173: [7L50 BATTLE RIVER - JARROW TAP] 150.00 -250.0



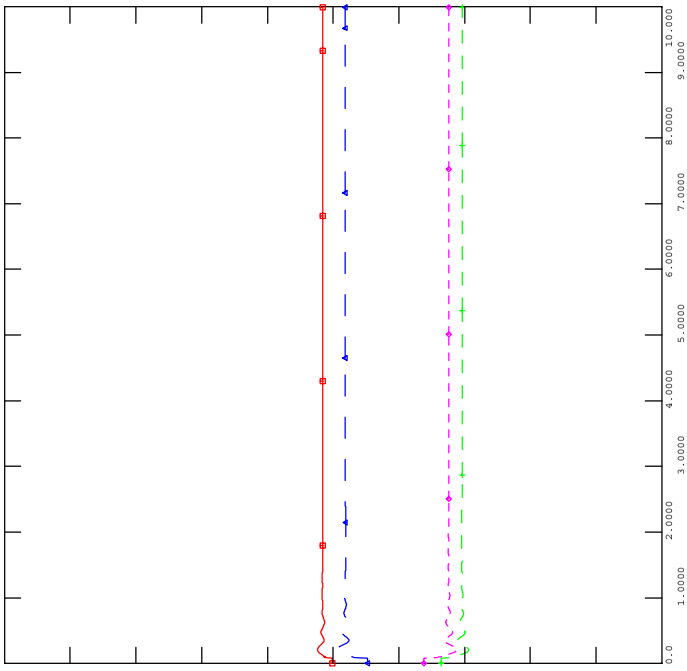
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

CHNL# 343: [7L42 LLOYDMINSTER - HILL] 250.00 -100.0
CHNL# 1152: [7L50 BUFFALO - BATTLE RIVER] 250.00 -100.0
CHNL# 1130: [7L53 BONNYVILLE - IRISH CREEK] 250.00 -100.0
CHNL# 585: [NEW MAHIHKAN - BONNYVILLE] 250.00 -100.0



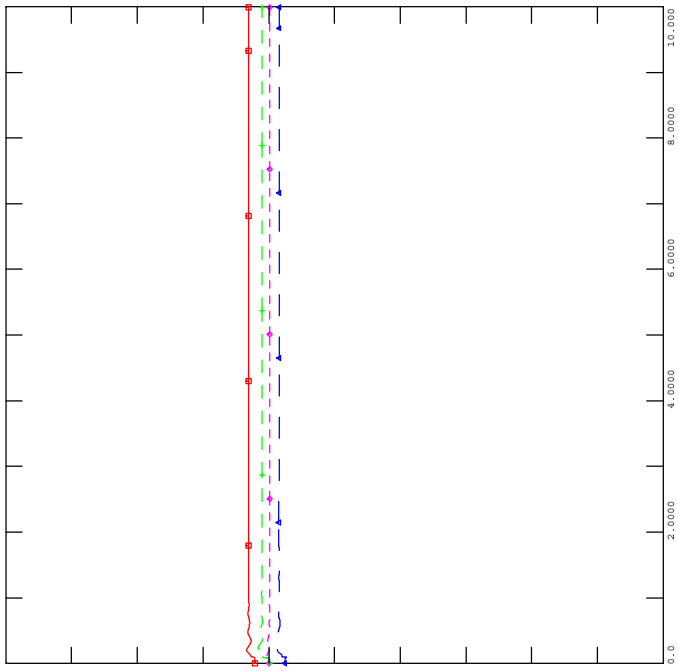
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

NORTH LINES VAR FLOW

CHNL# 344: [7L42 LLOYDMINSTER - HILL] 150.00 -250.0
CHNL# 1153: [7L50 BUFFALO - BATTLE RIVER] 150.00 -250.0
CHNL# 1131: [7L53 BONNYVILLE - IRISH CREEK] 150.00 -250.0
CHNL# 586: [NEW MAHIHKAN - BONNYVILLE] 150.00 -250.0

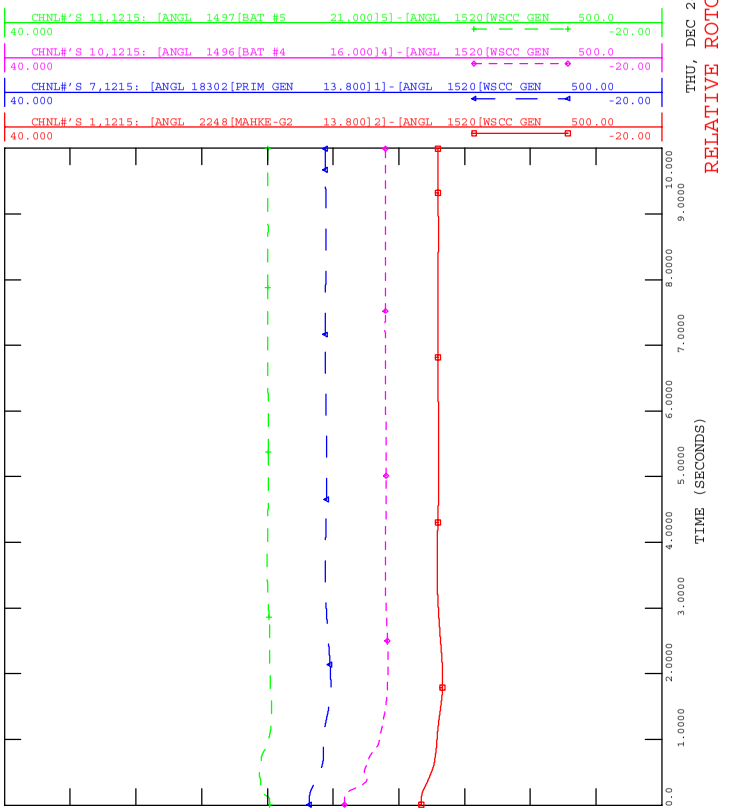


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

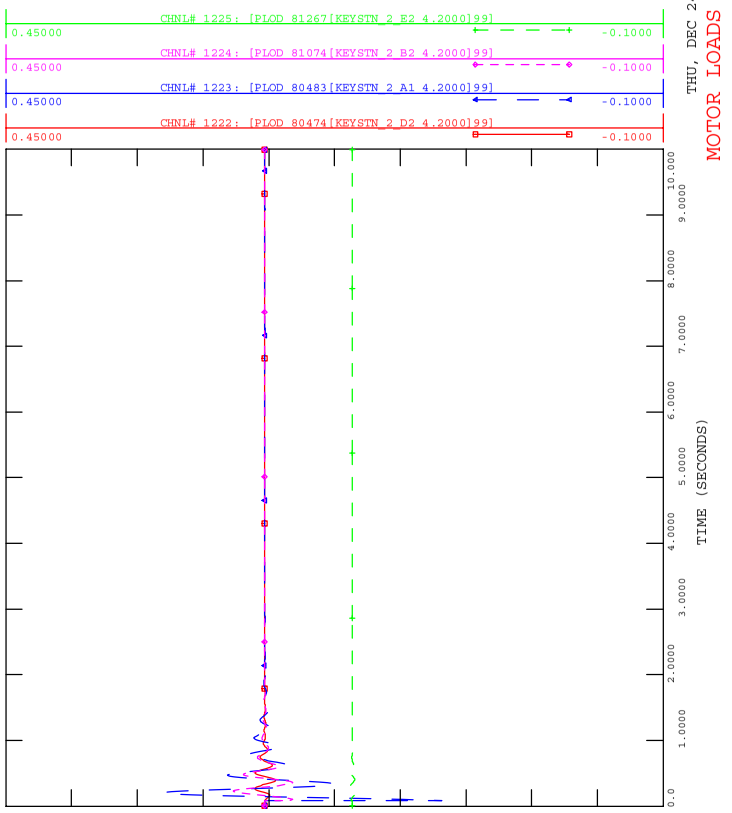


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP II

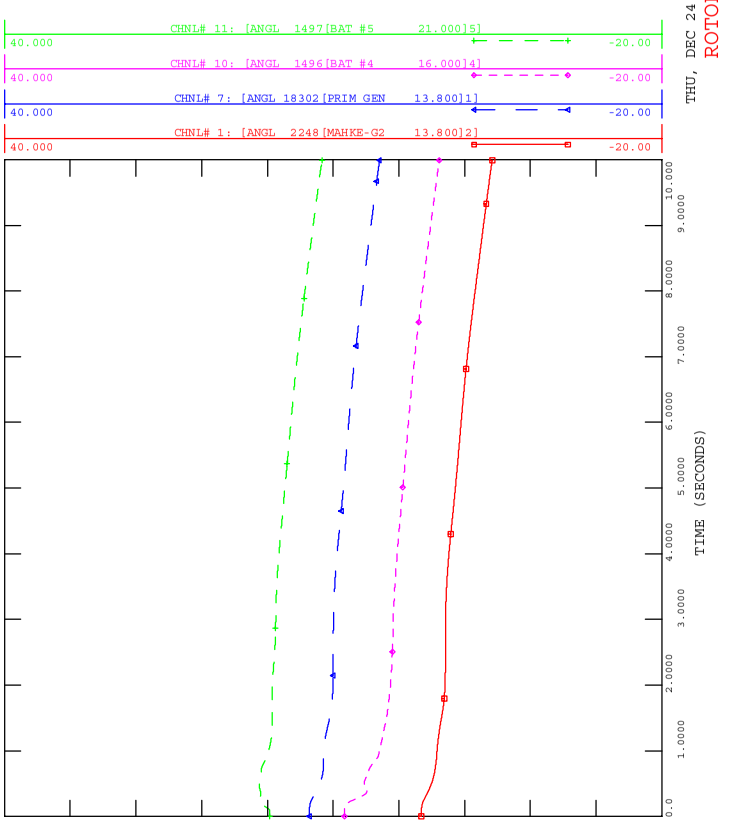


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

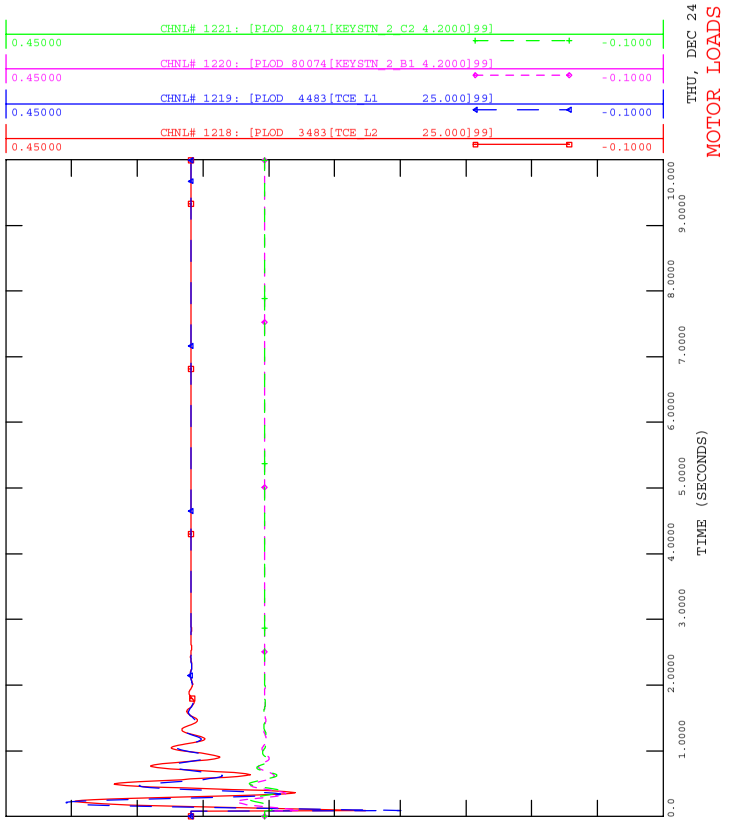


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

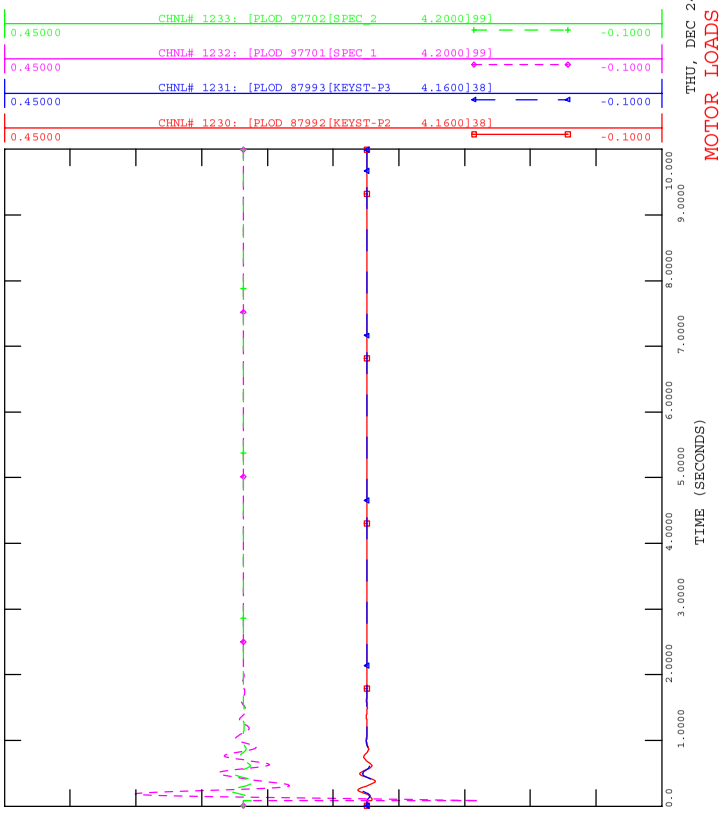
THU, DEC 24 2009 8:11

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out

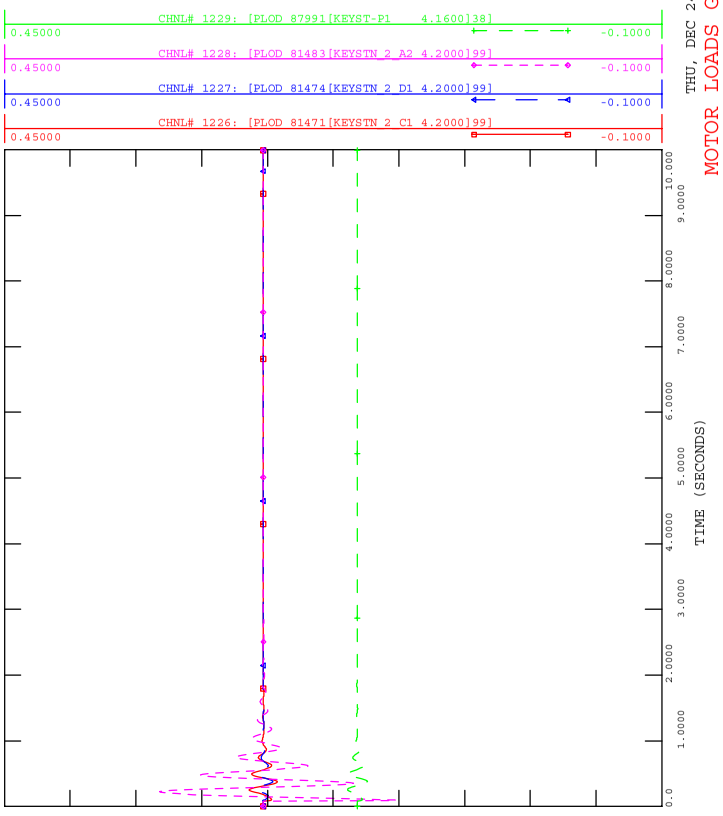


THU, DEC 24 2009 8:11

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-3fault.out



THU, DEC 24 2009 8:11

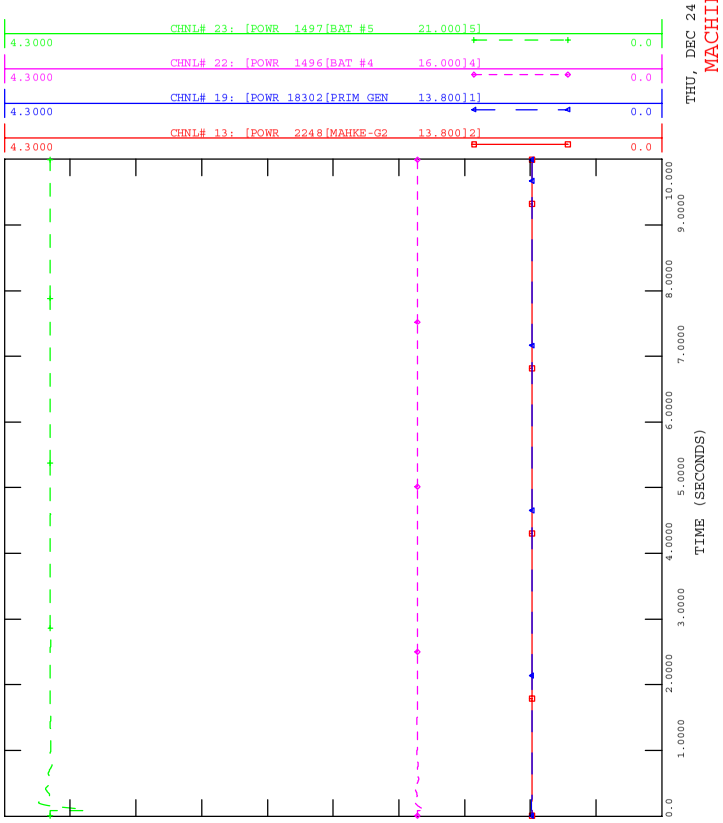
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

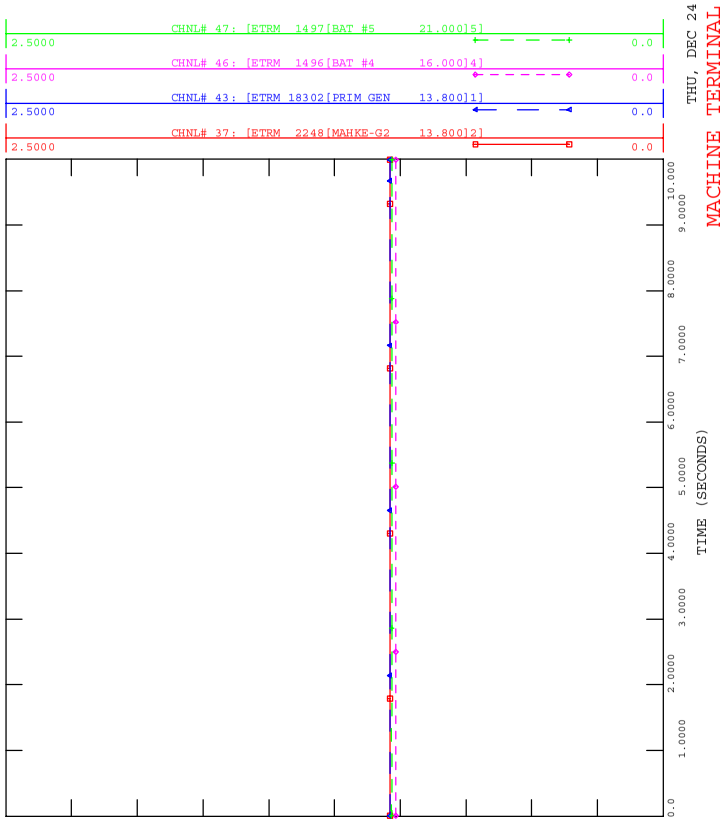


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

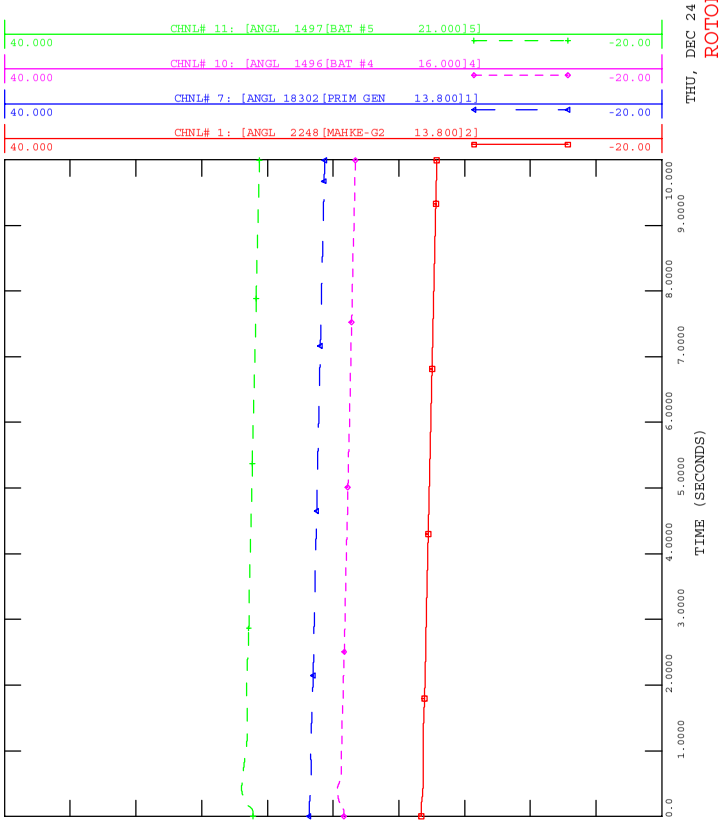


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

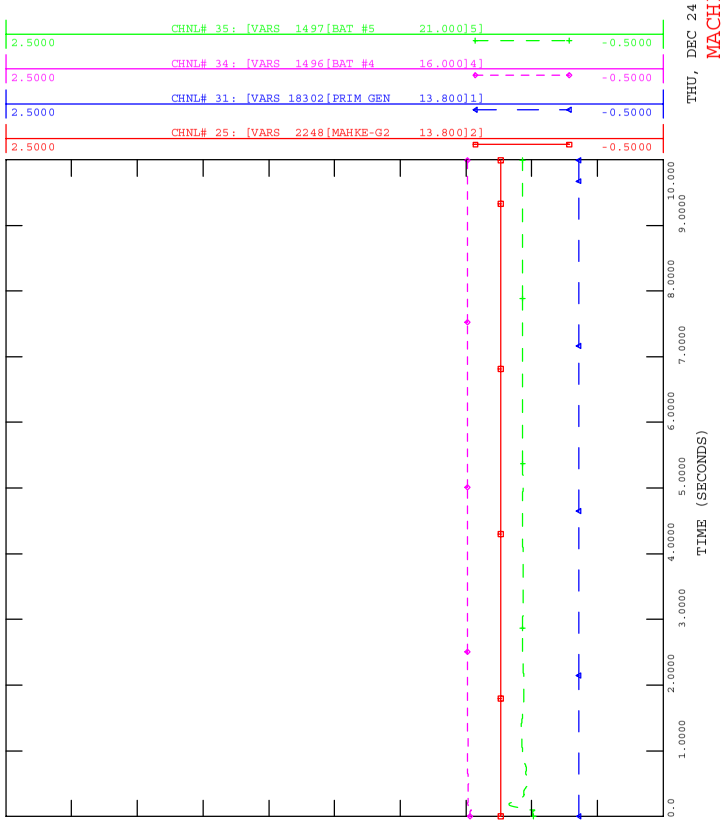


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

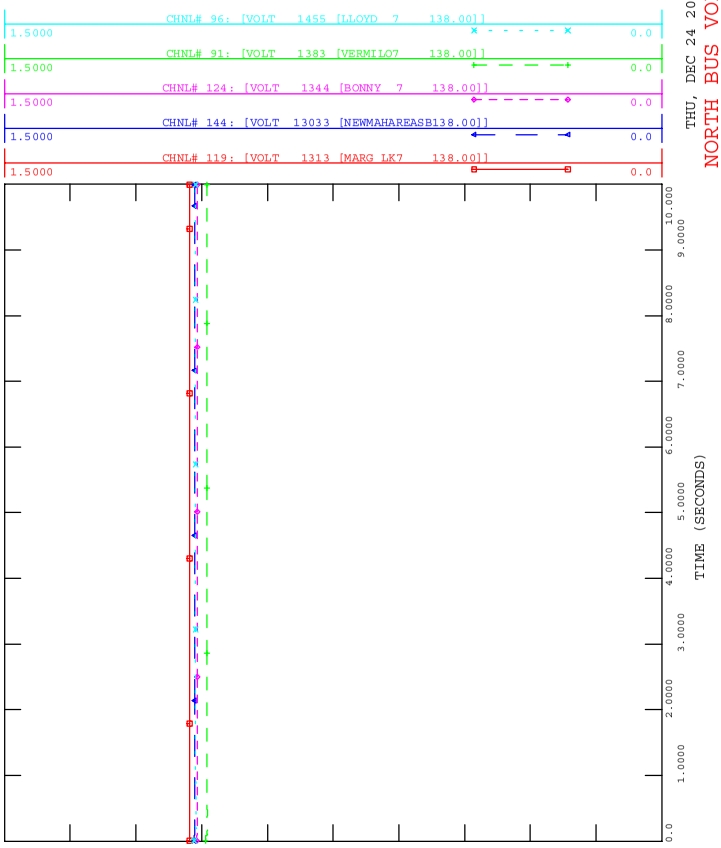


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

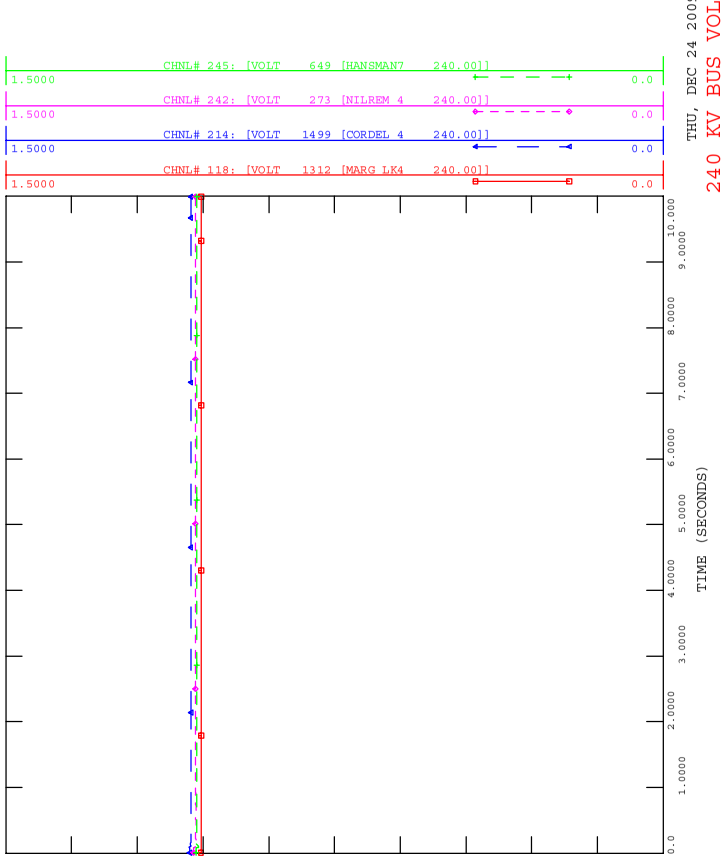


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

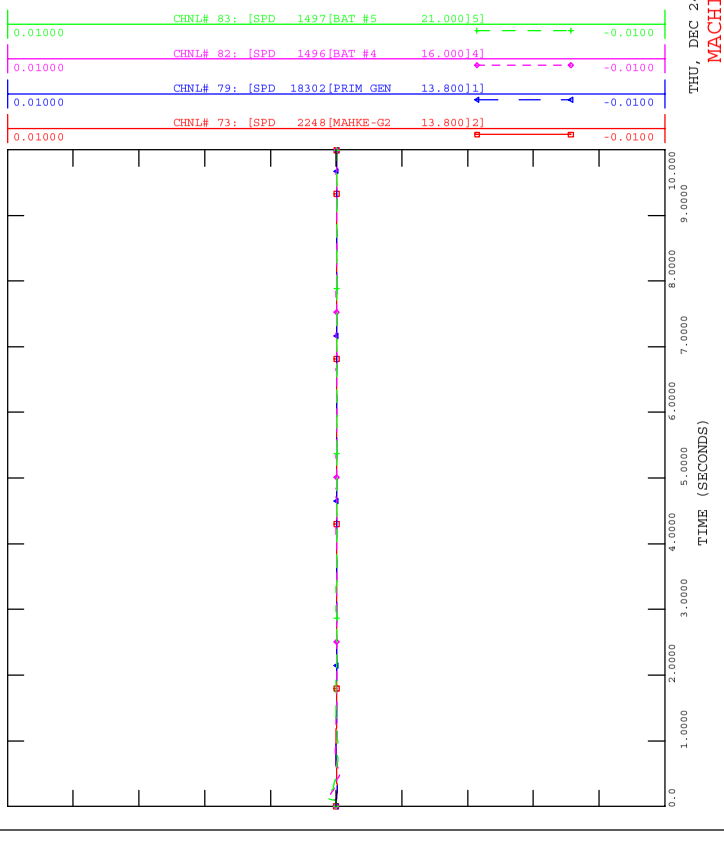


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MACHINE SPEED

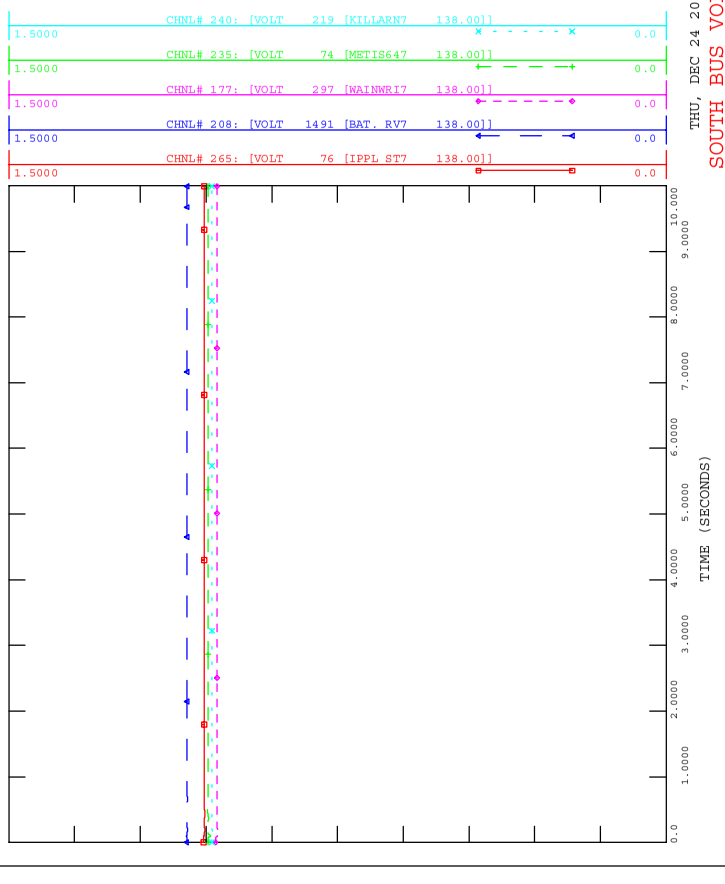


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES

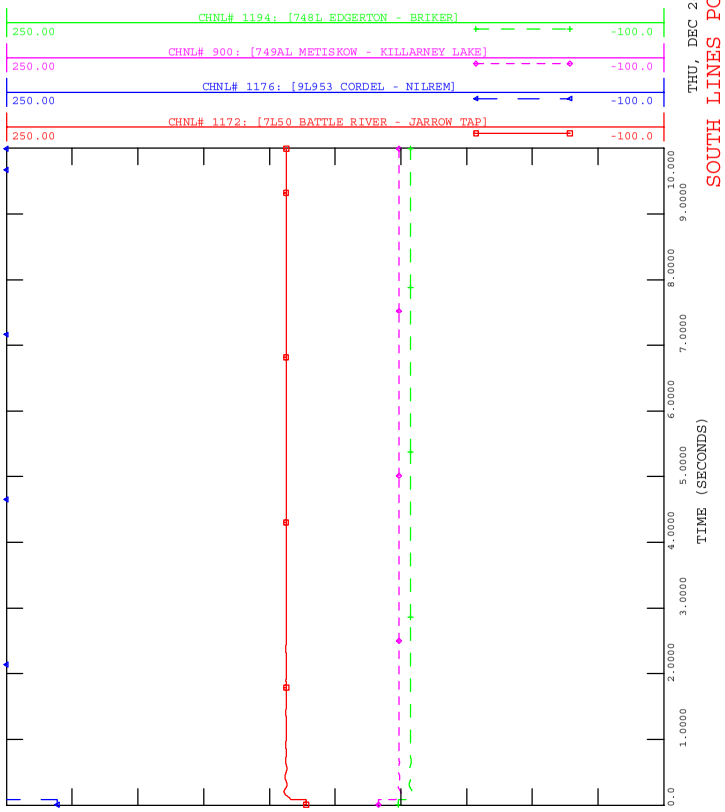


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

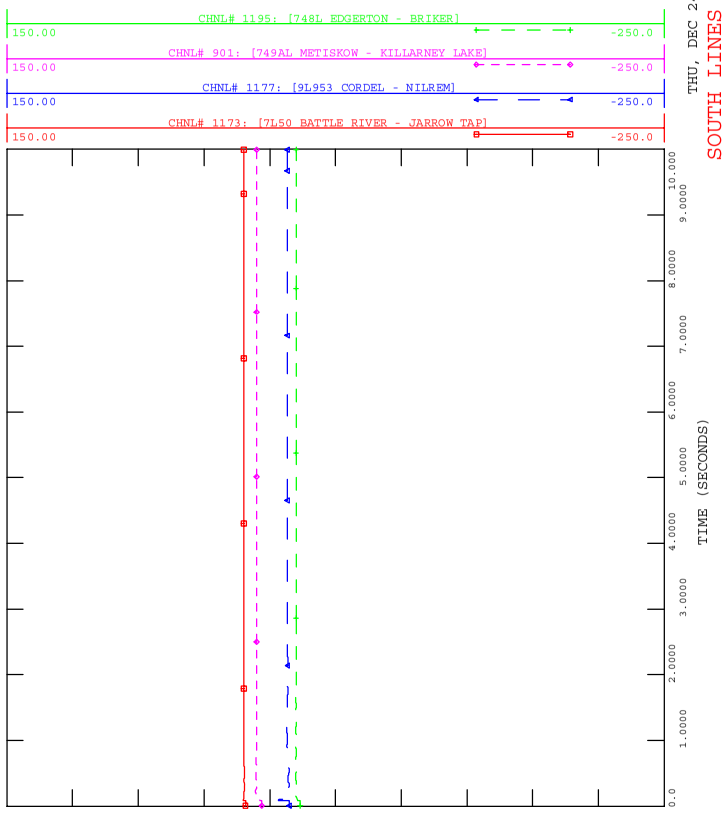


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

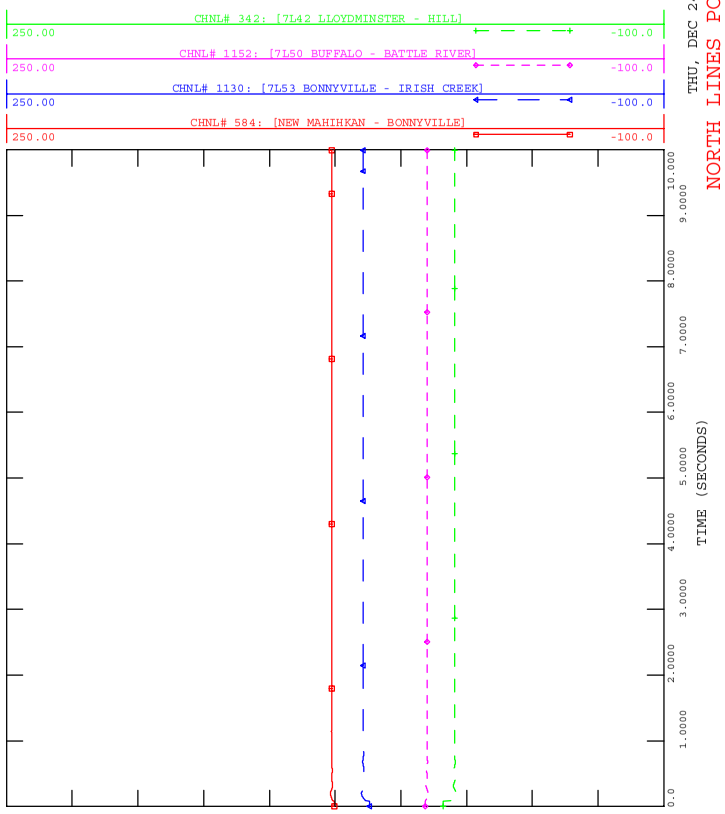


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

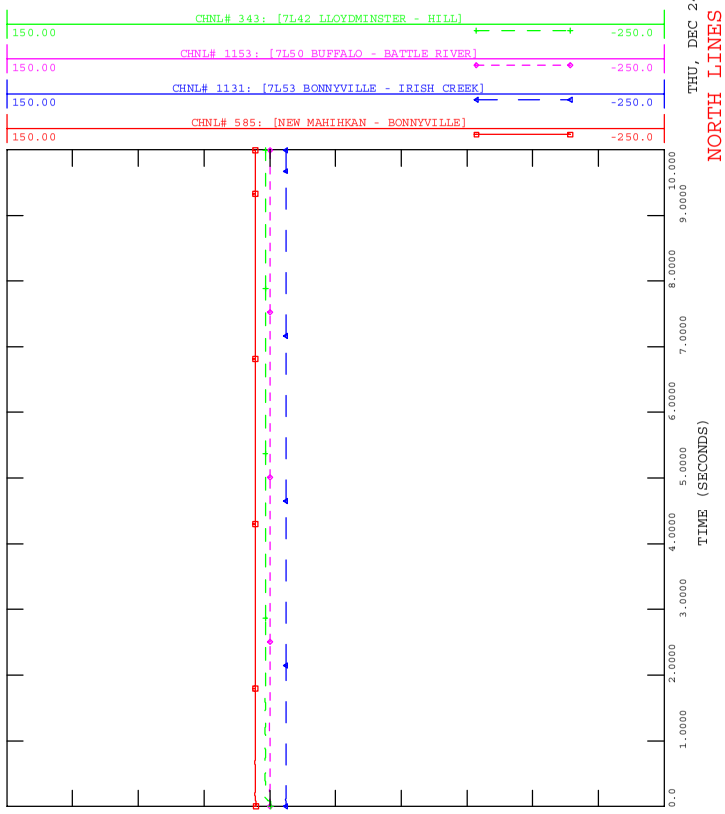


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

NORTH LINES VAR FLOW

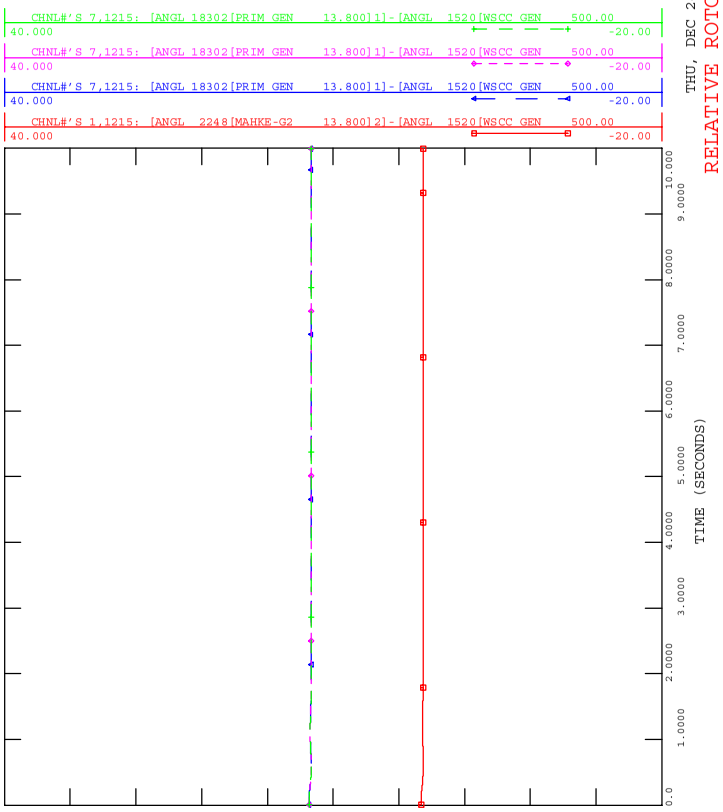


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

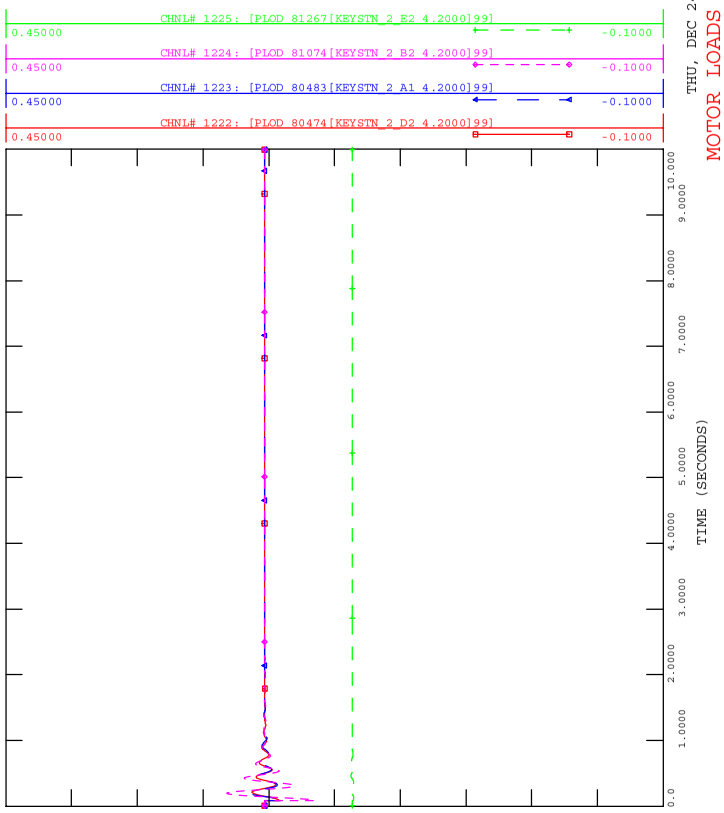


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP II

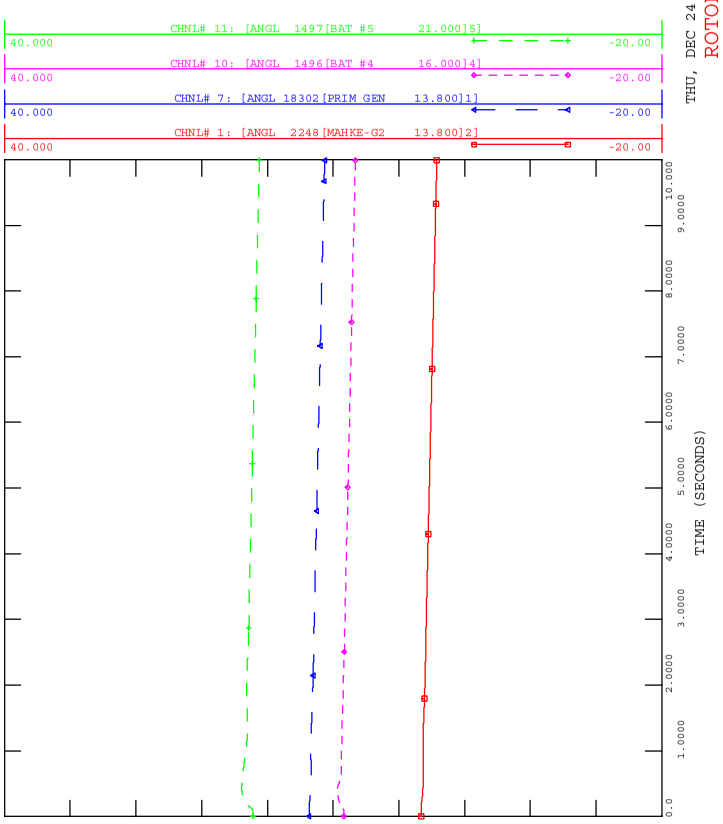


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

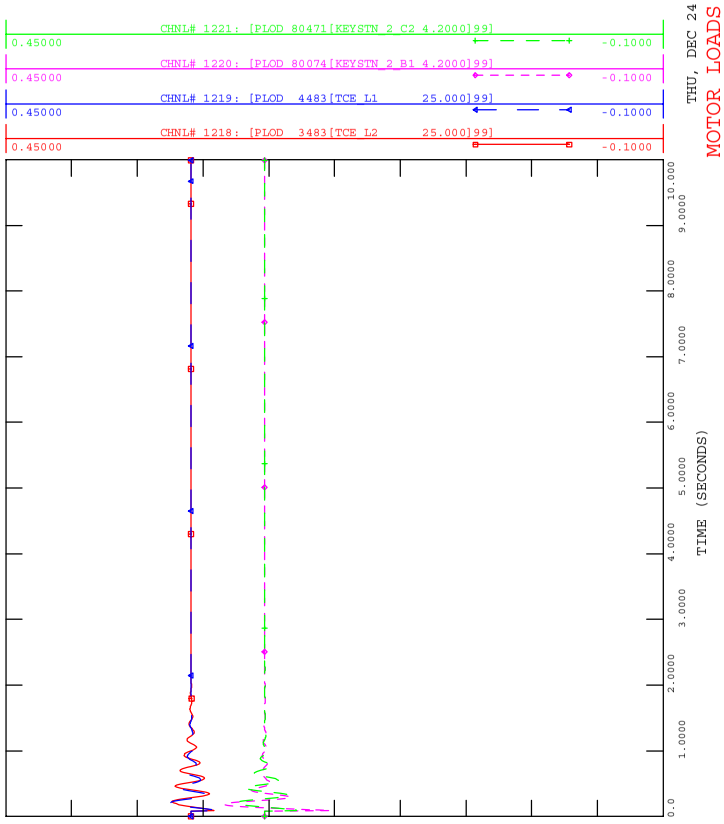


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP I

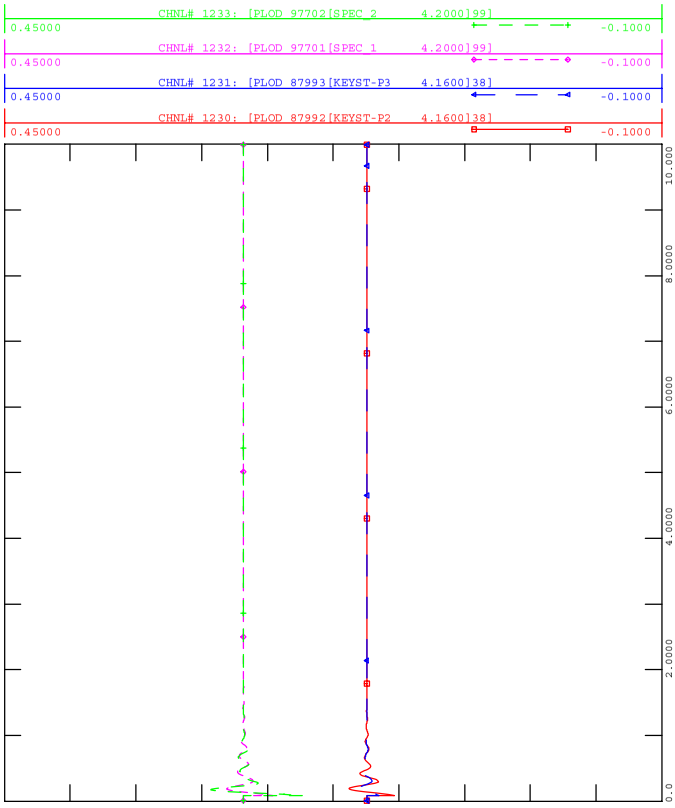


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP IV

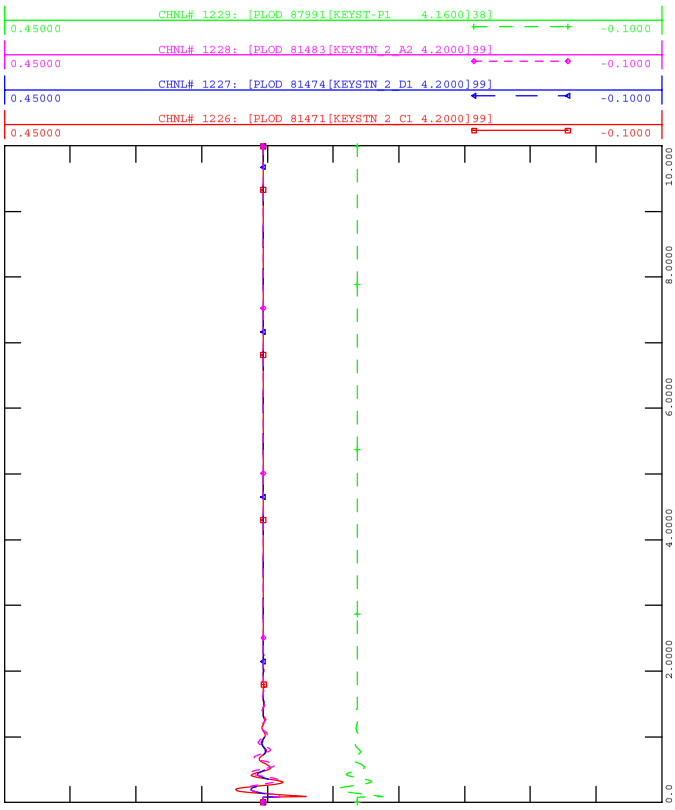


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c5-4fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP III

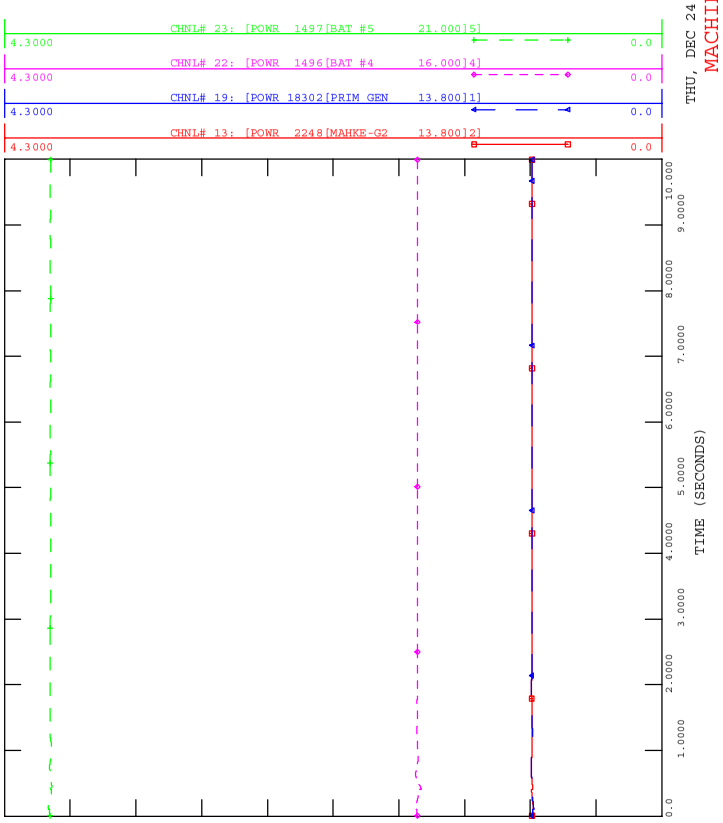


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

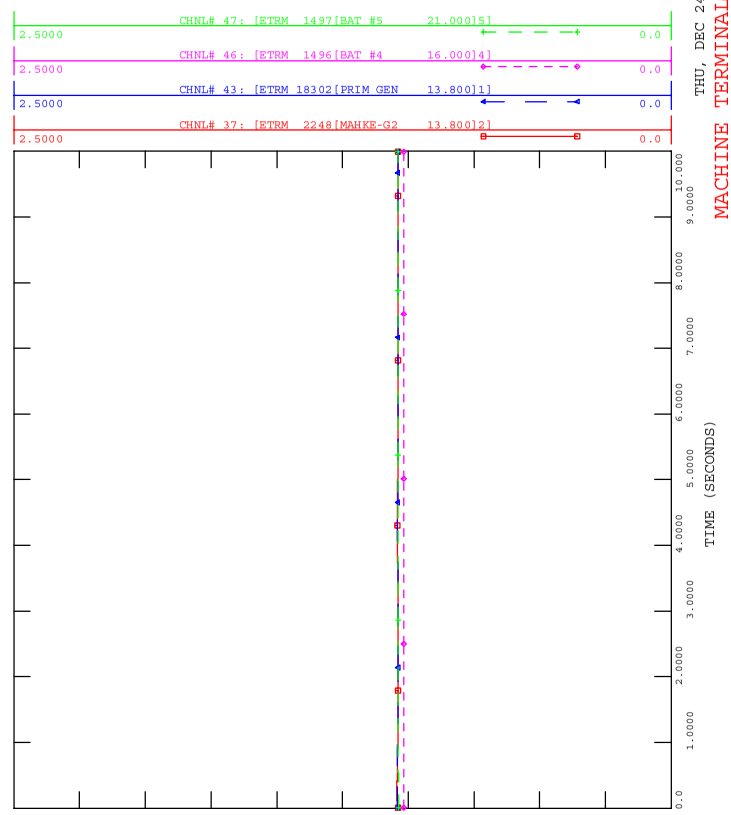


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

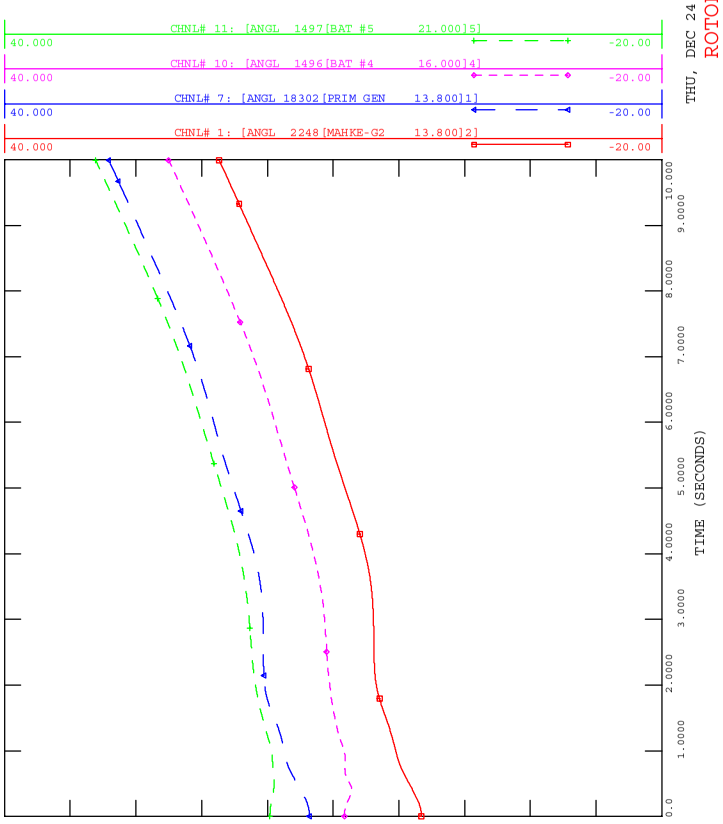


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

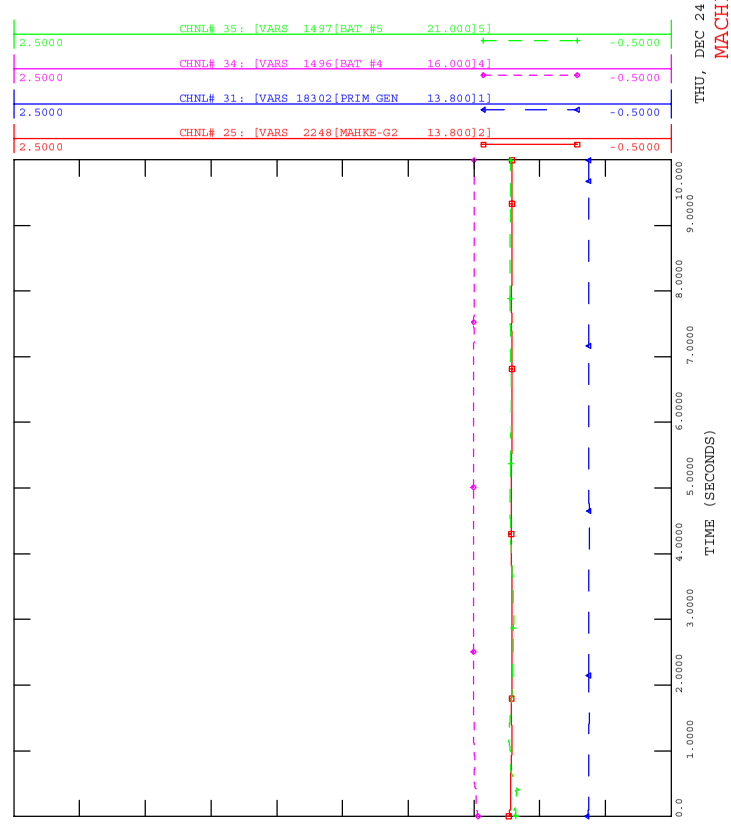


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

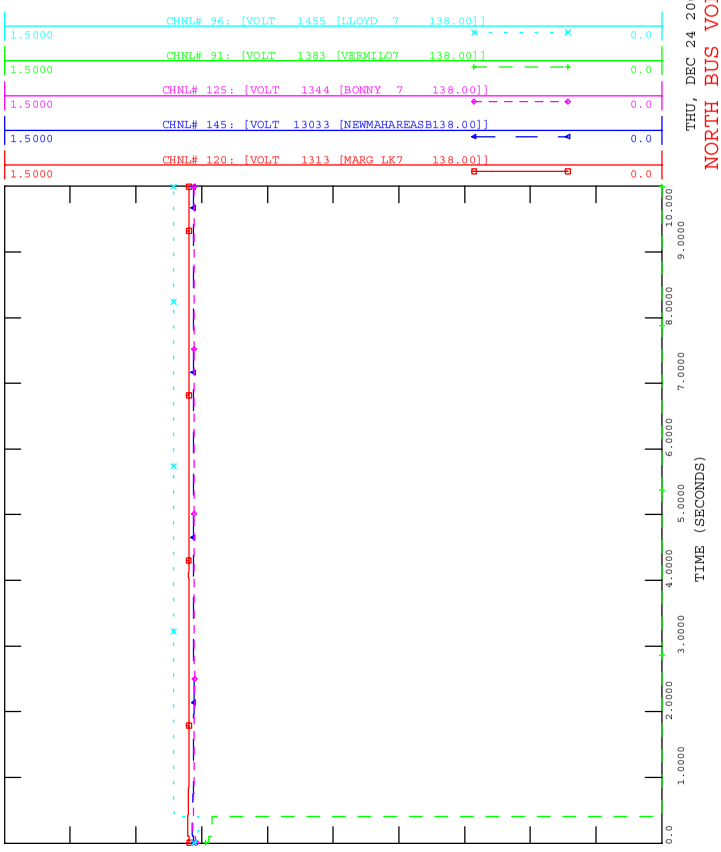


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

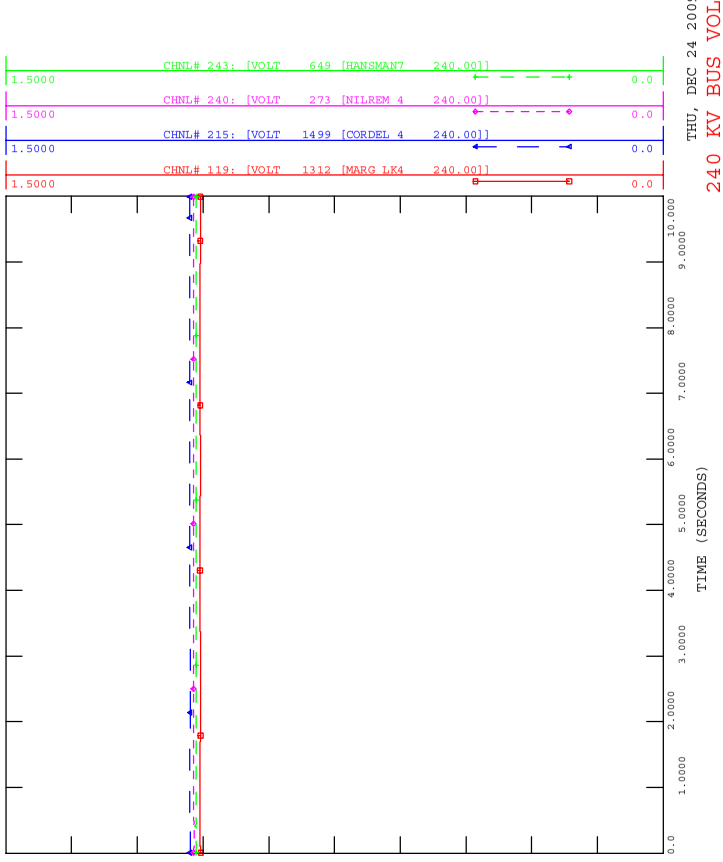


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

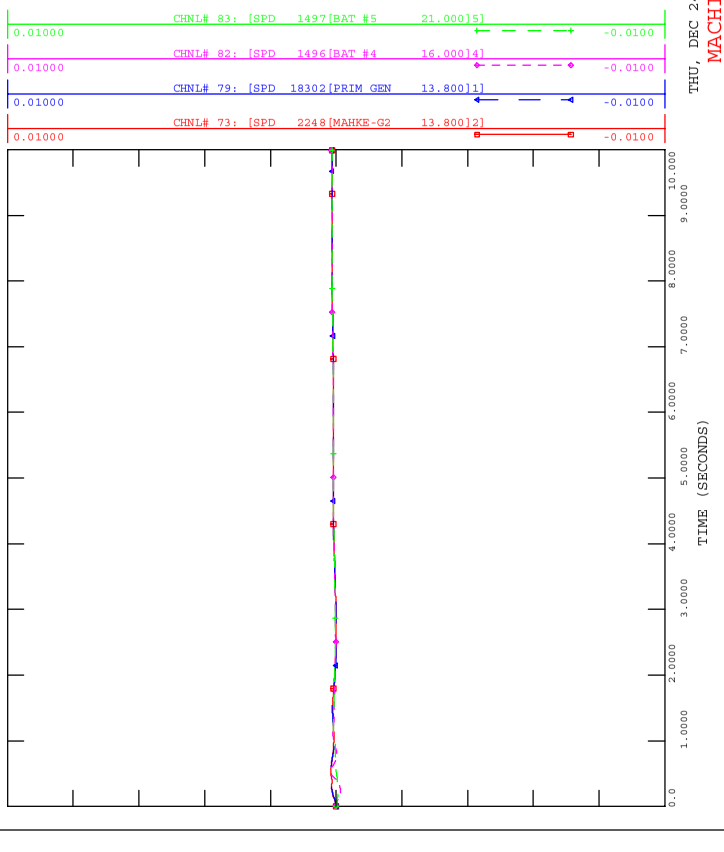


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MACHINE SPEED

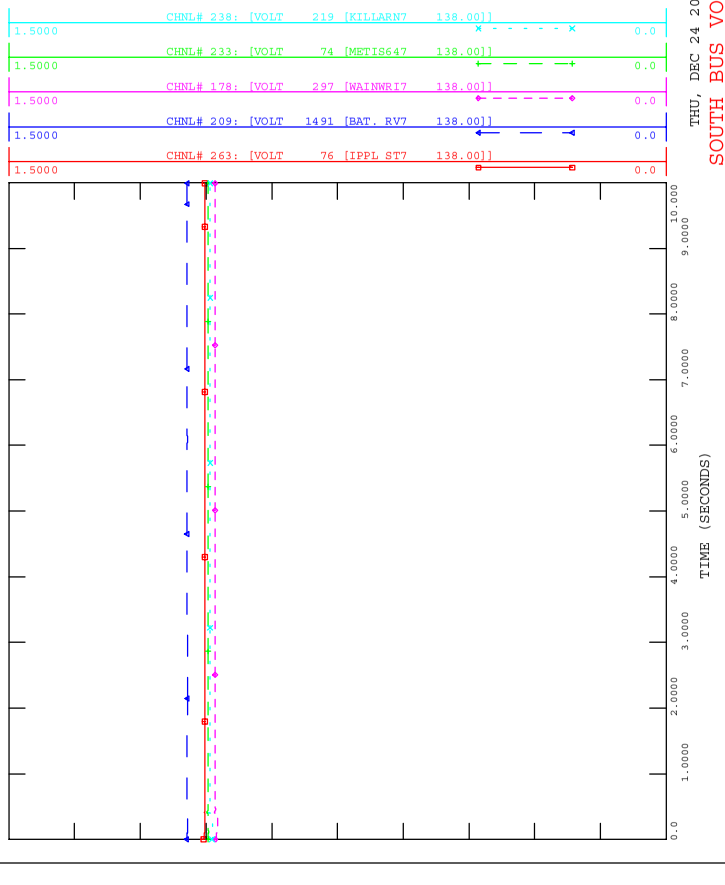


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES

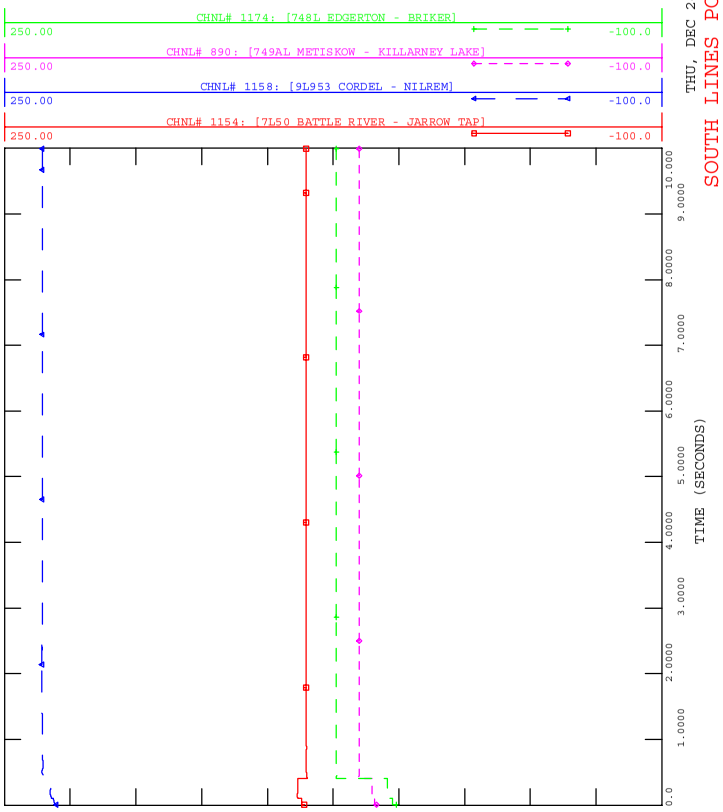


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

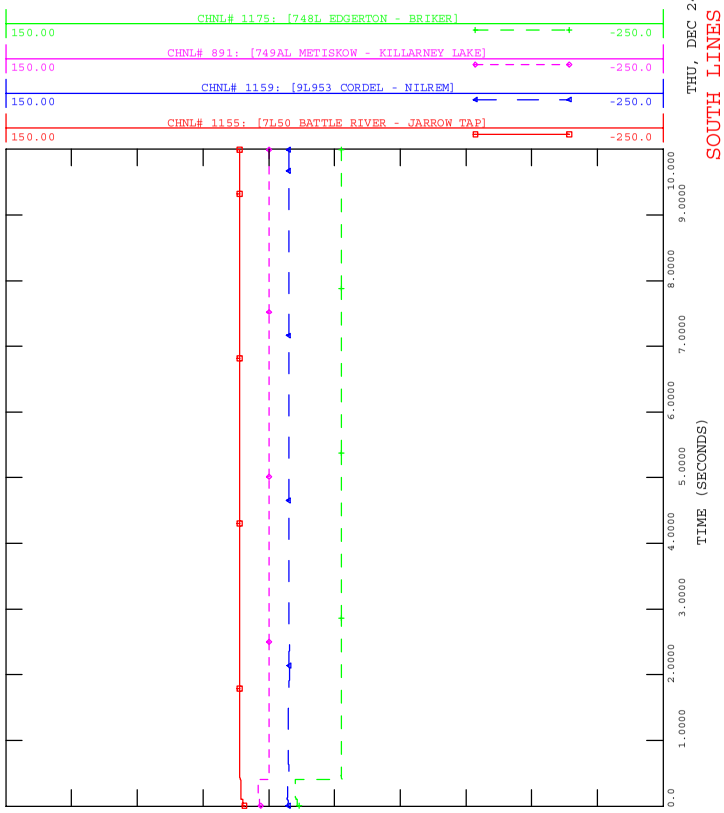


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

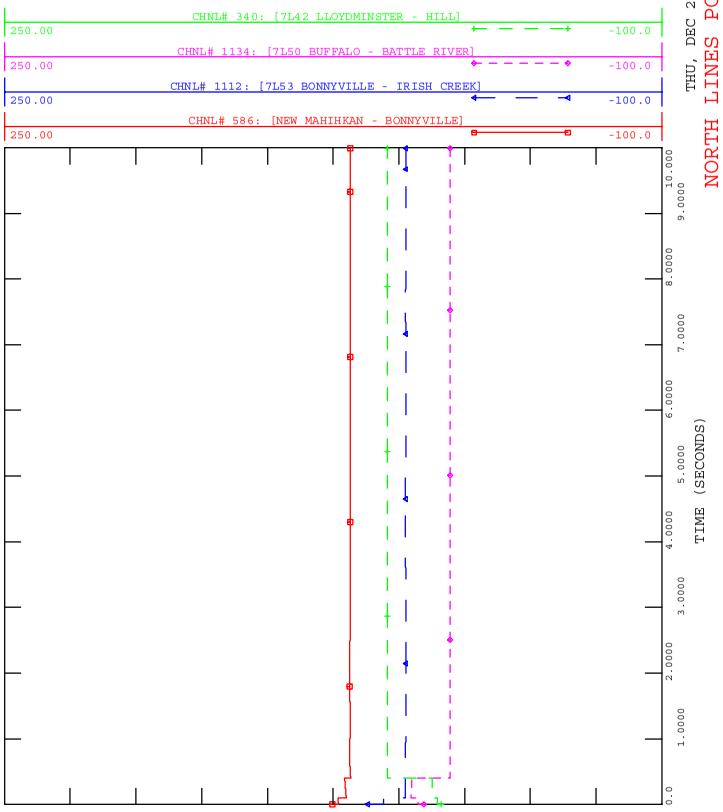


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

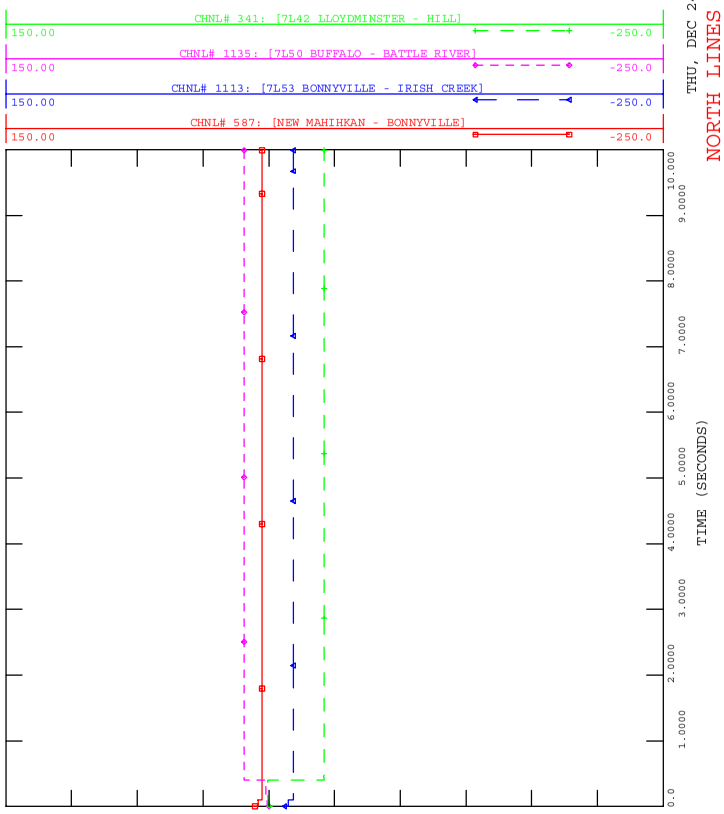


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

NORTH LINES VAR FLOW

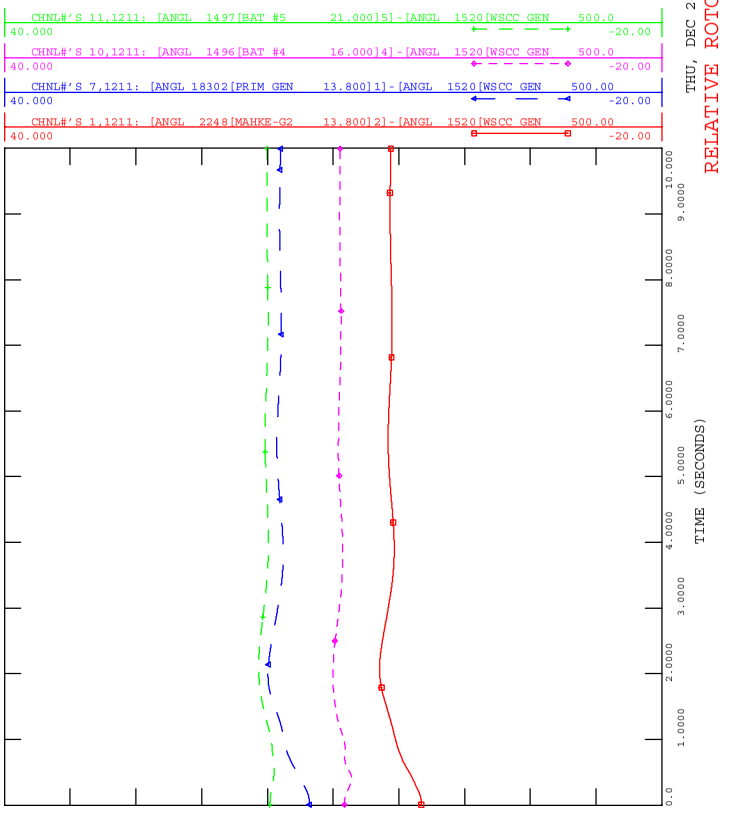


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

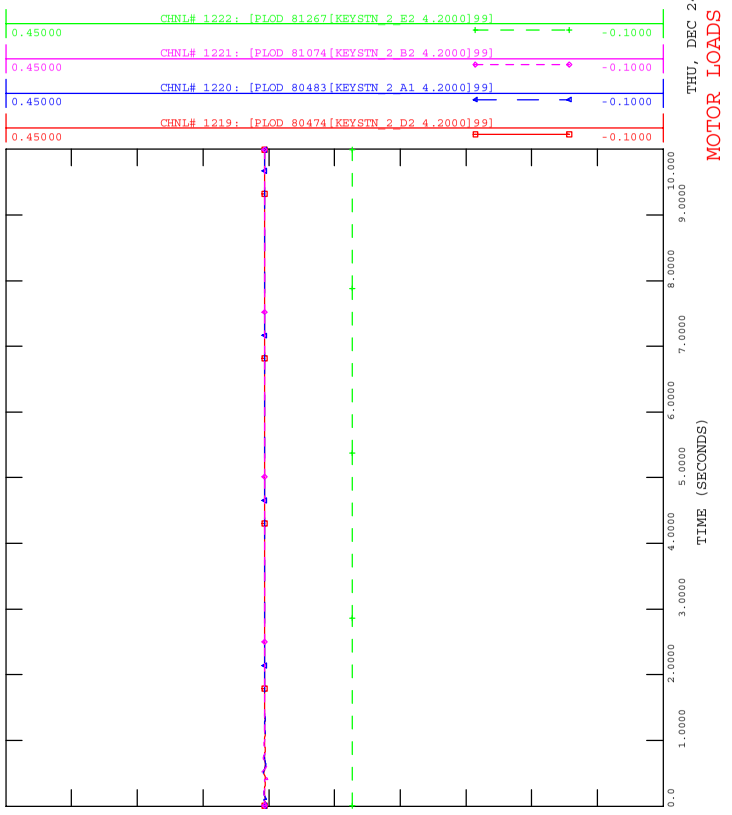


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP II

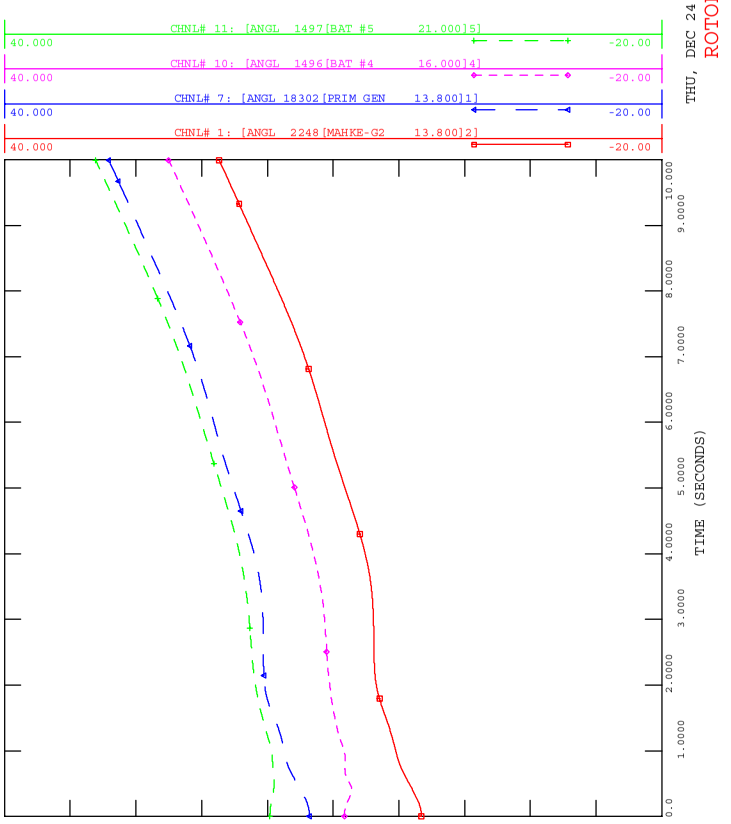


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

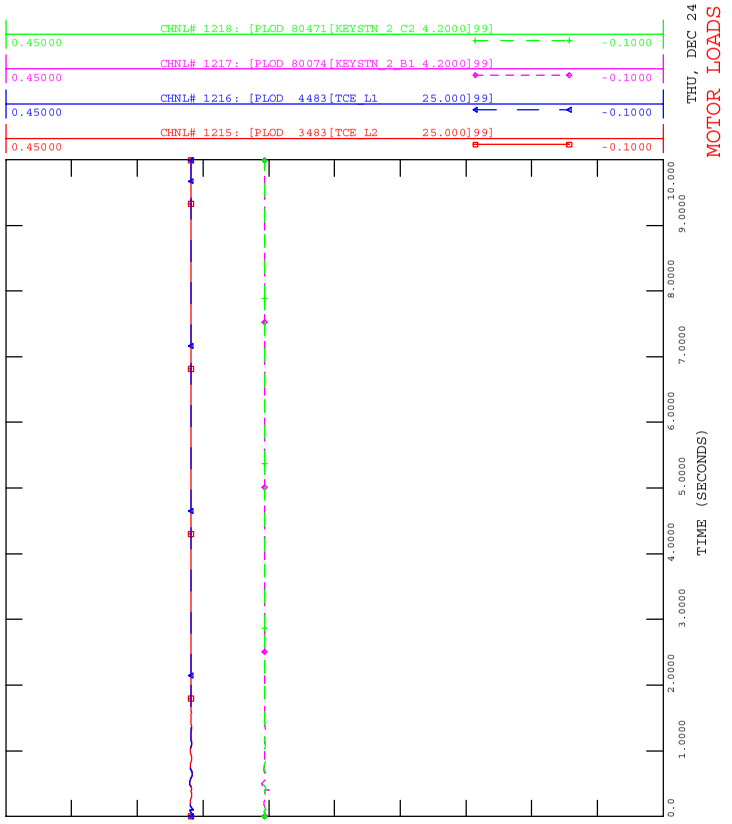


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP I

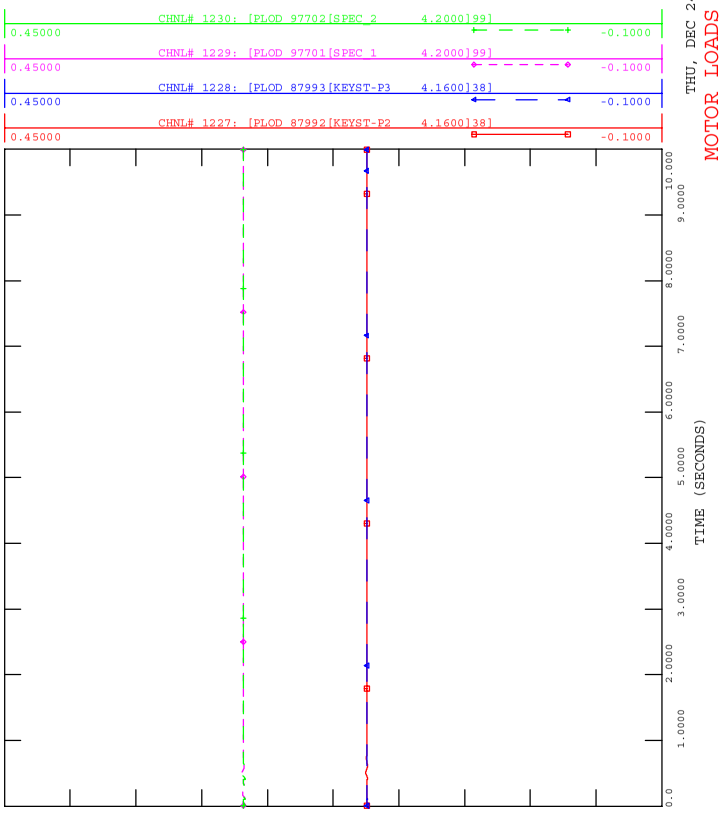


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP IV

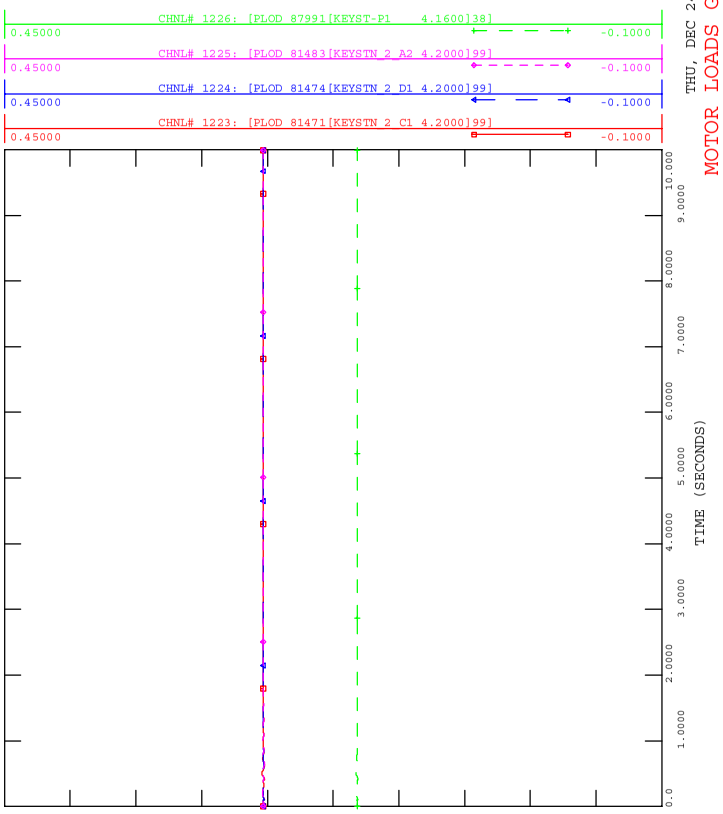


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-1Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP III

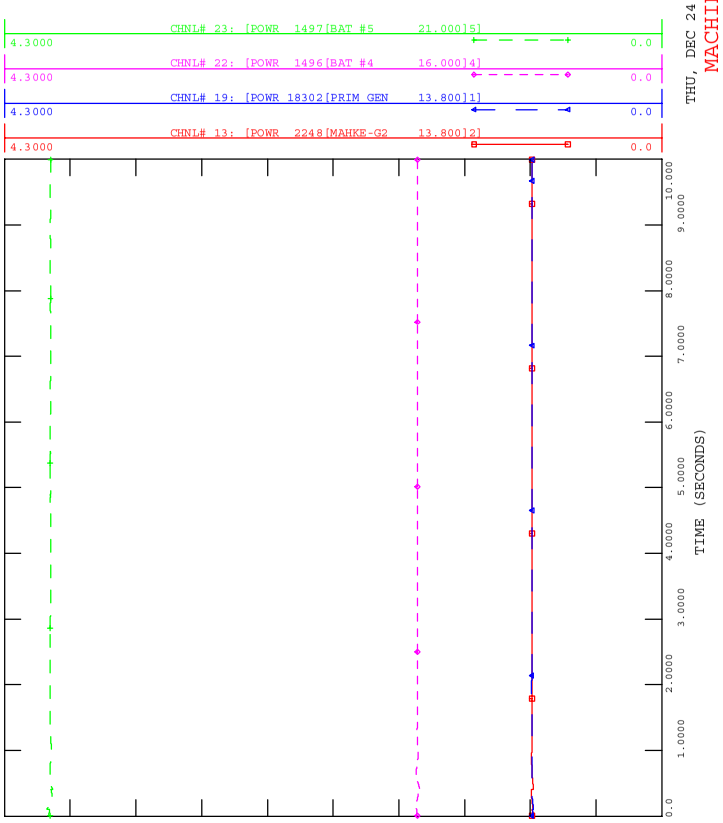


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

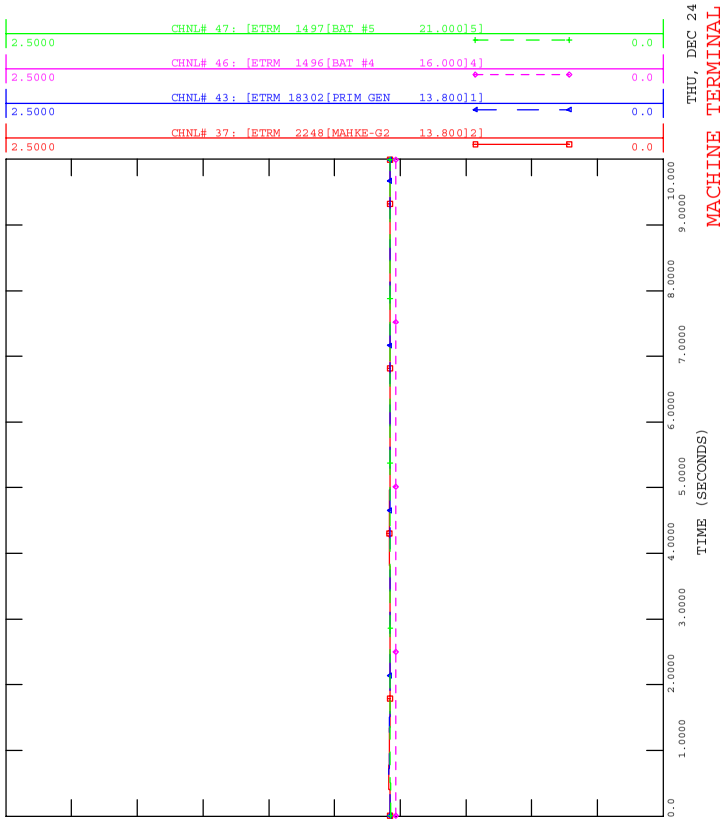


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

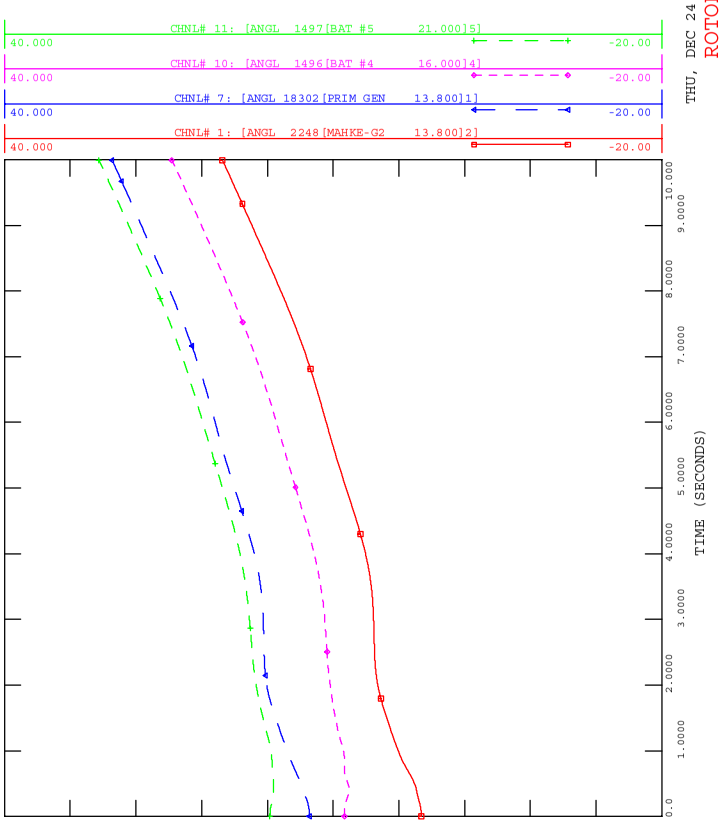


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

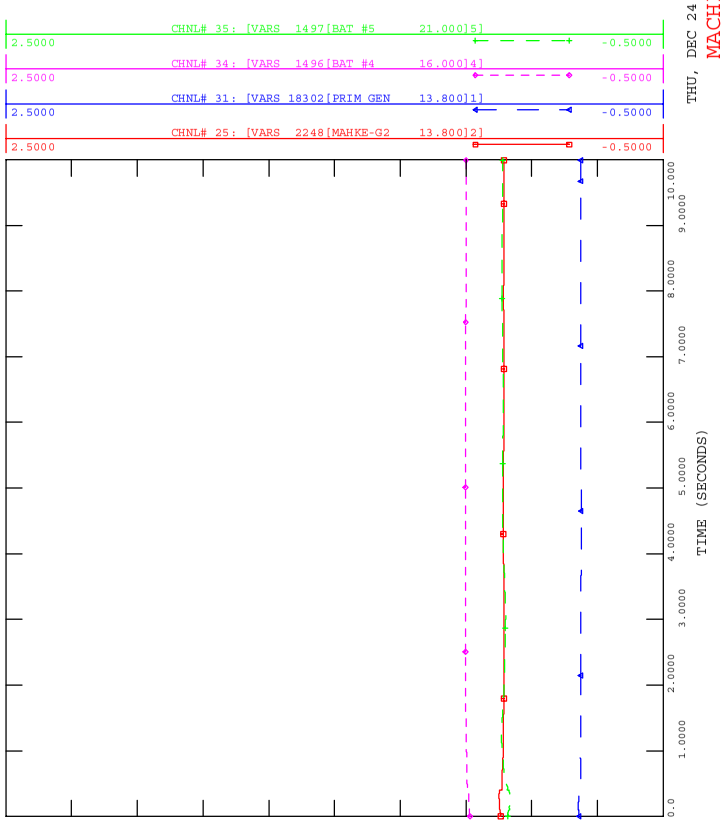


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

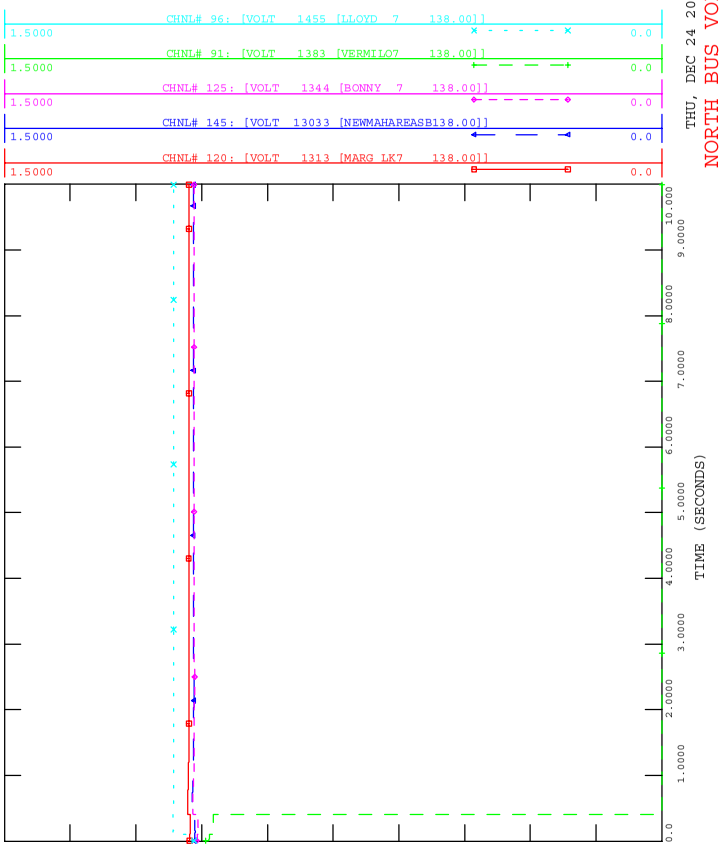


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

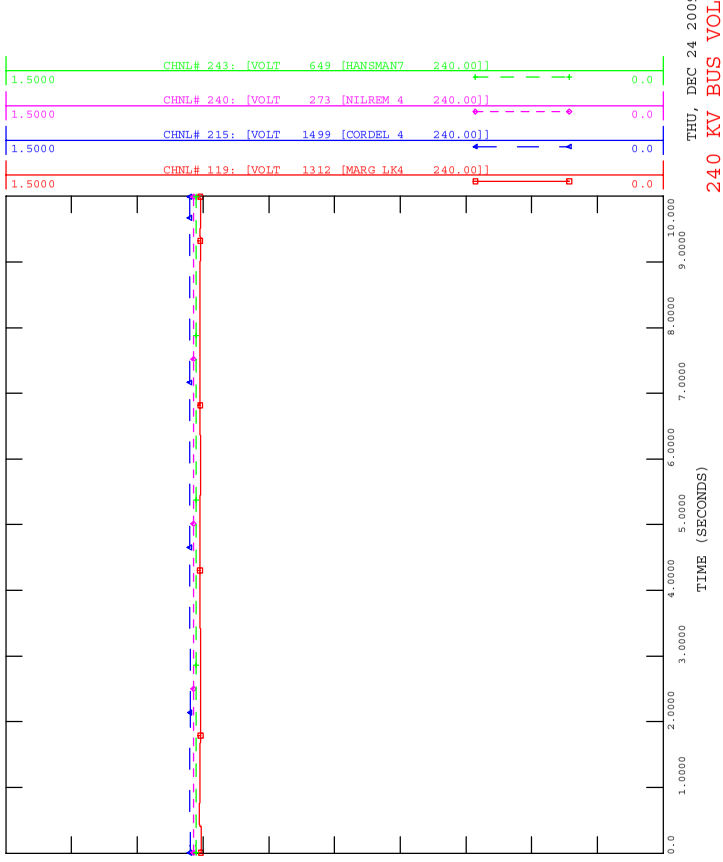


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

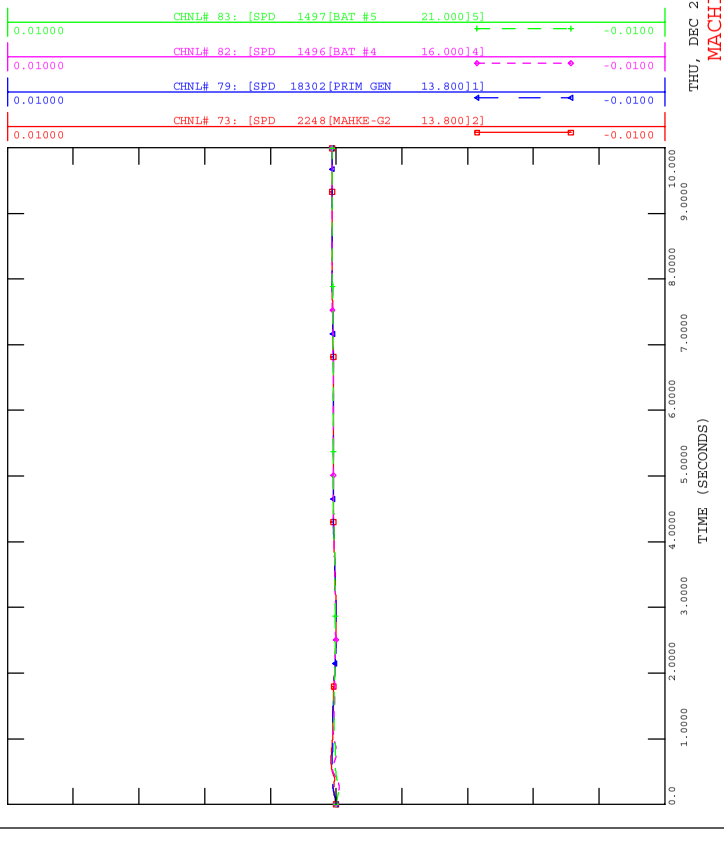


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

MACHINE SPEED

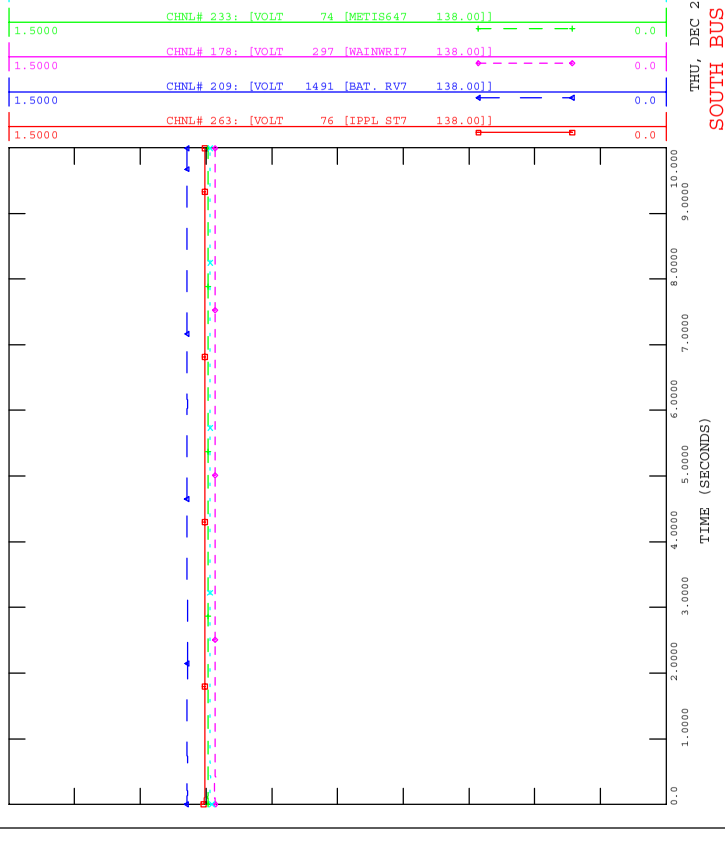


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES

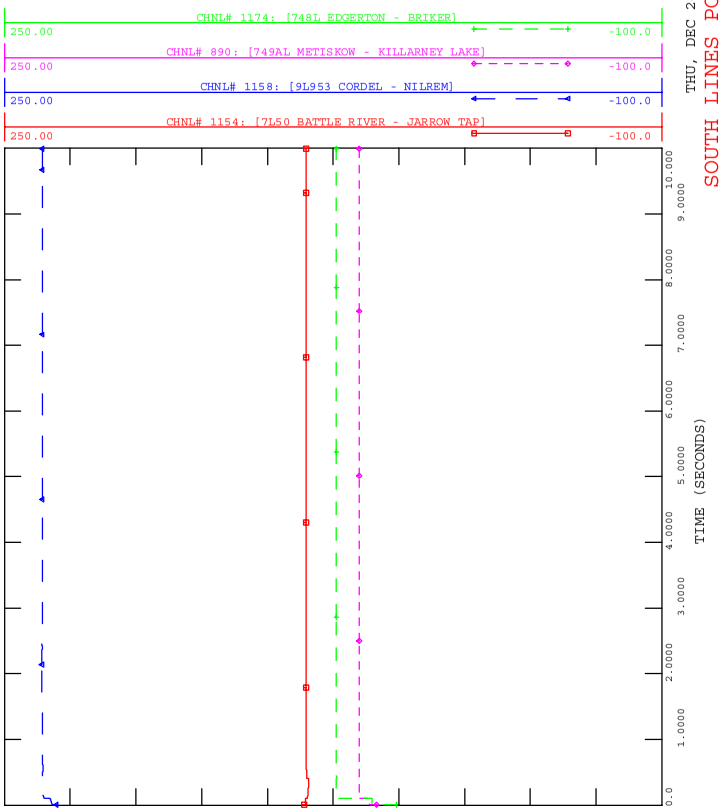


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

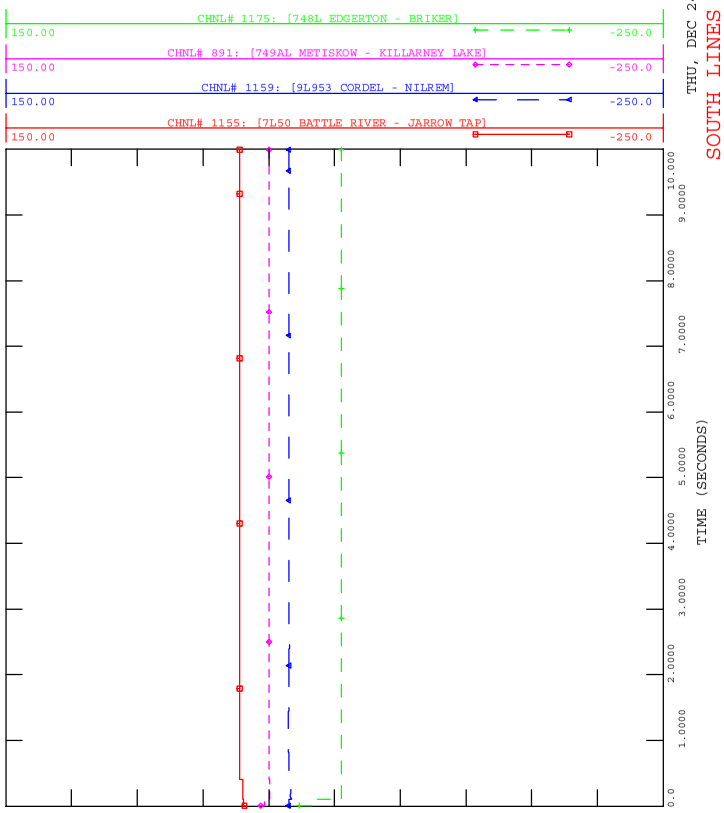


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

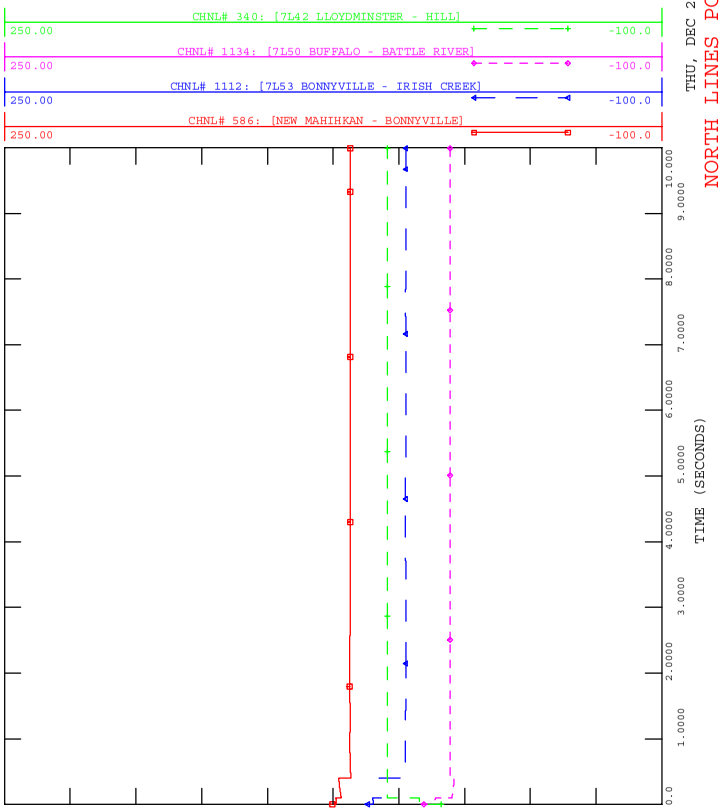


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

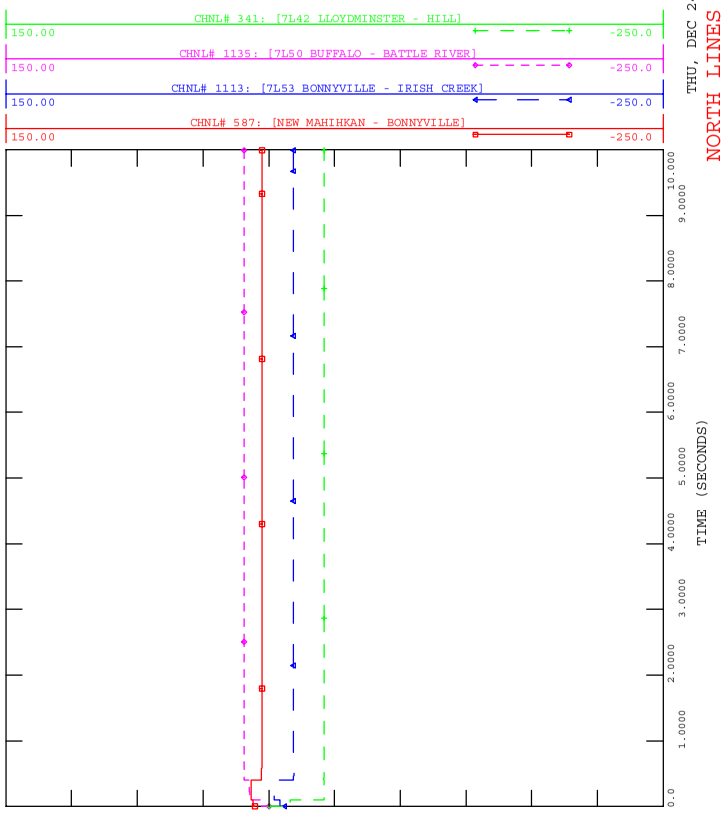


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

NORTH LINES VAR FLOW

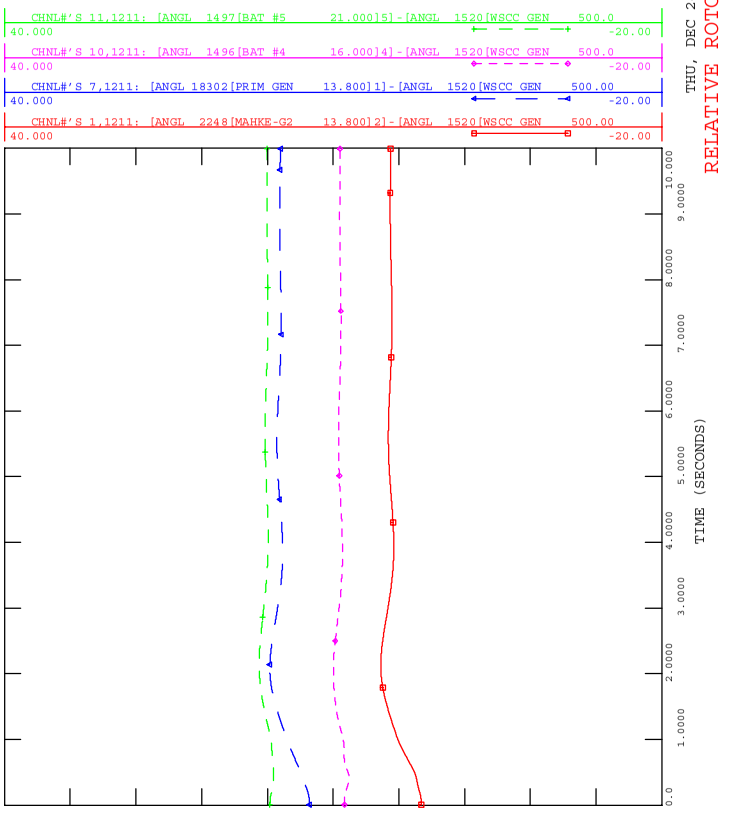


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

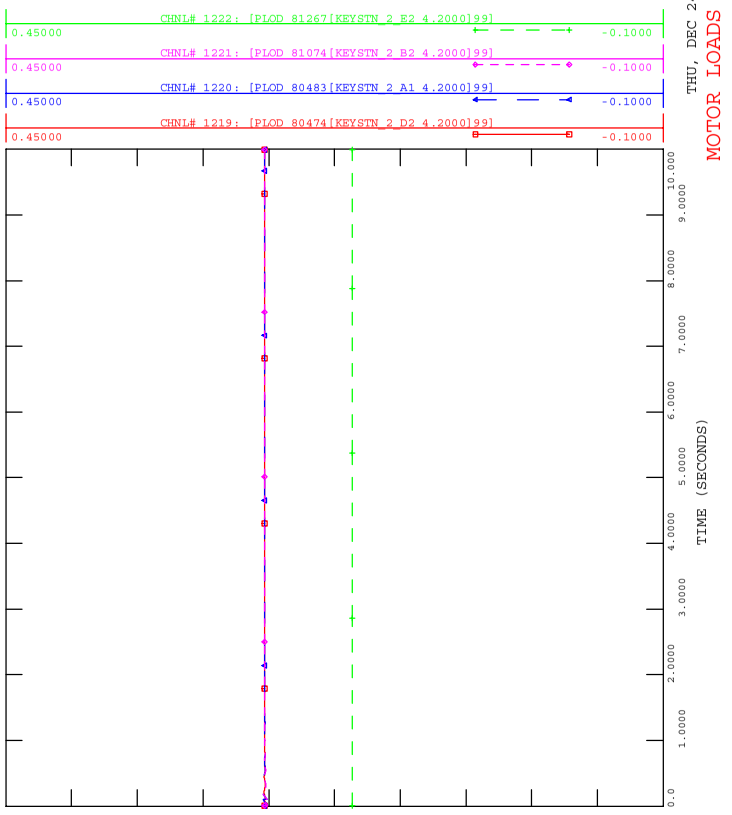


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP II

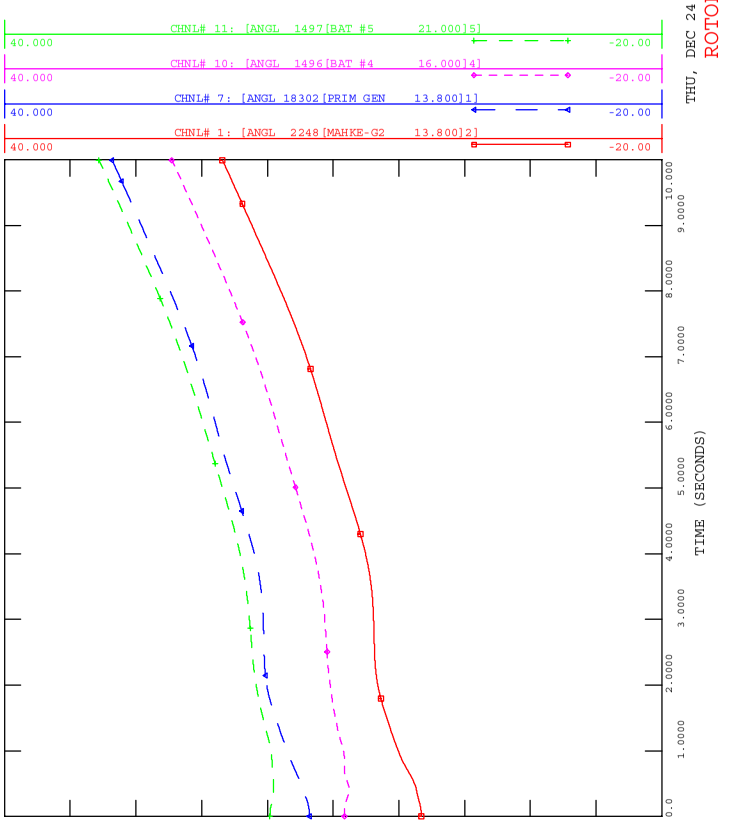


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

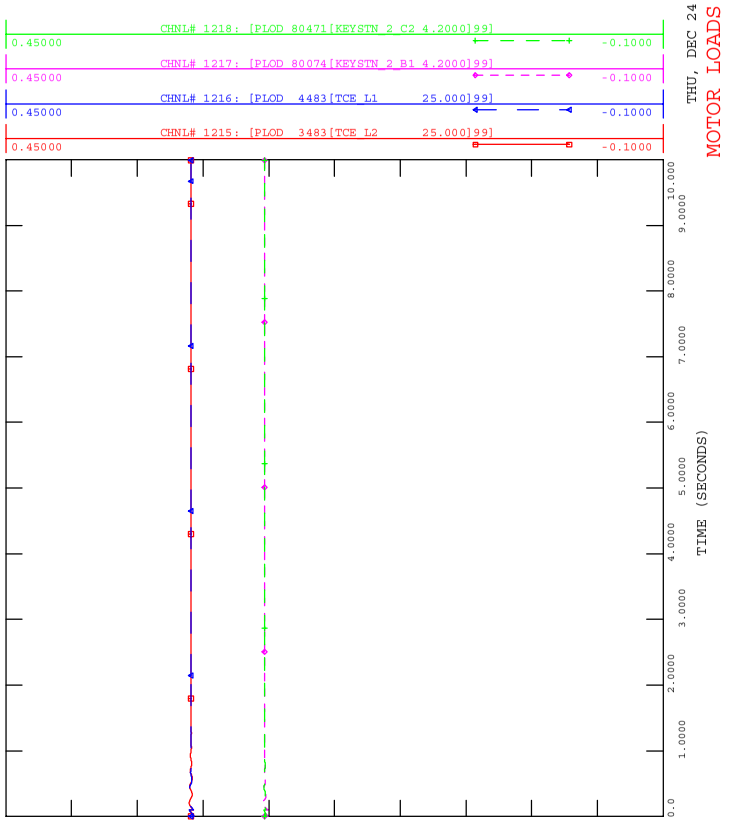


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

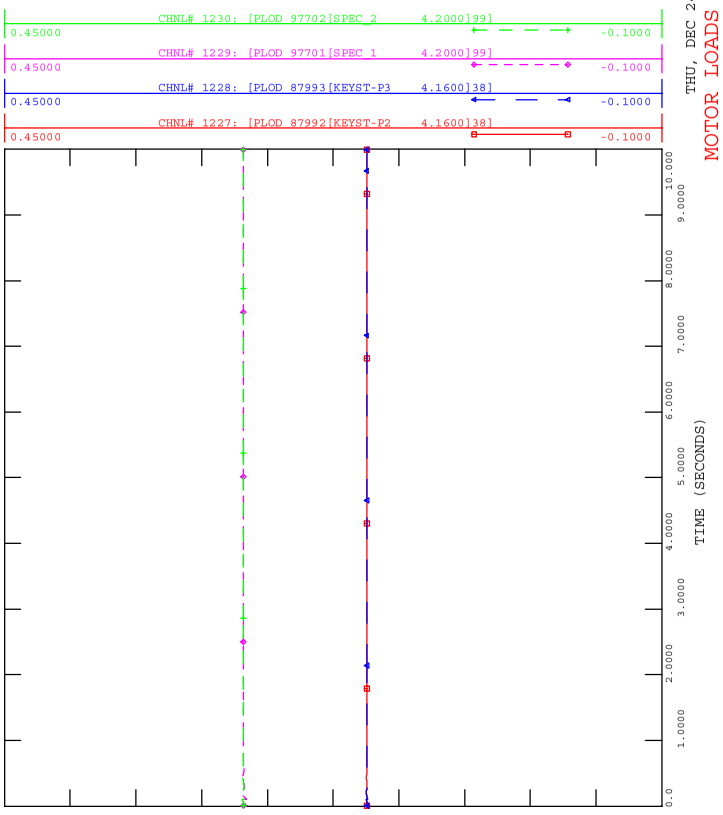
THU, DEC 24 2009 8:11

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out

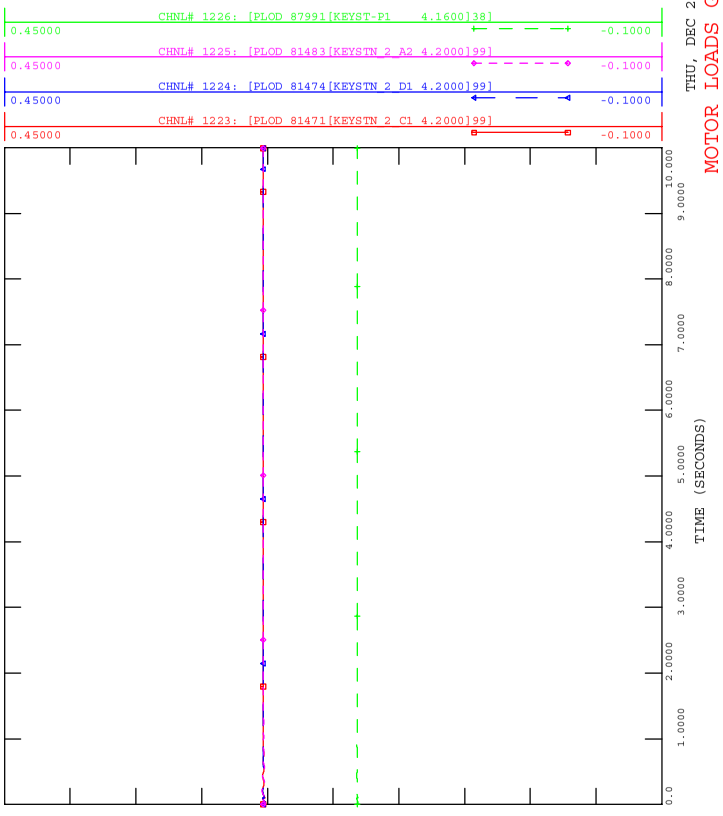


THU, DEC 24 2009 8:11

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-2Fault.out



THU, DEC 24 2009 8:11

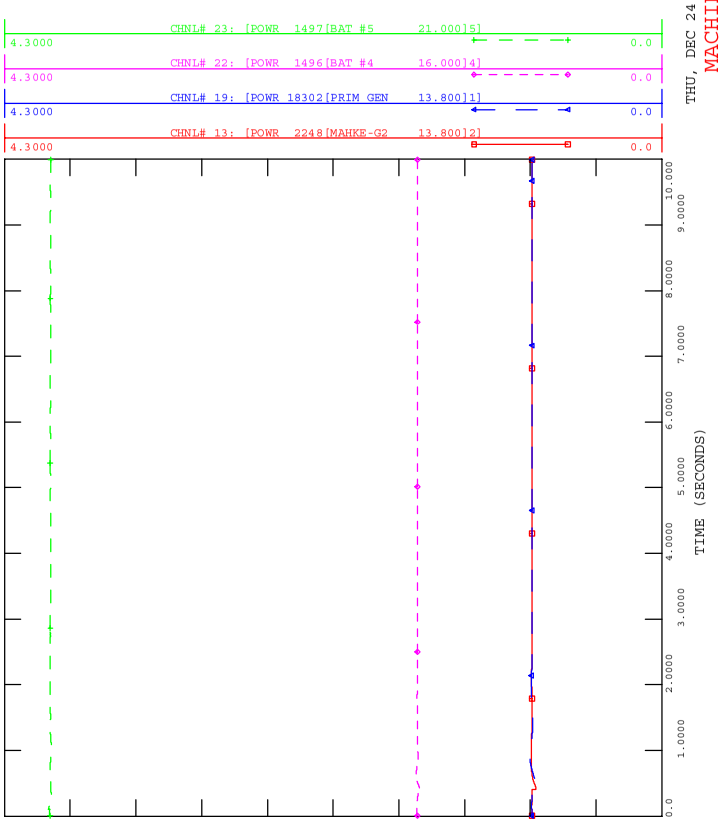
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

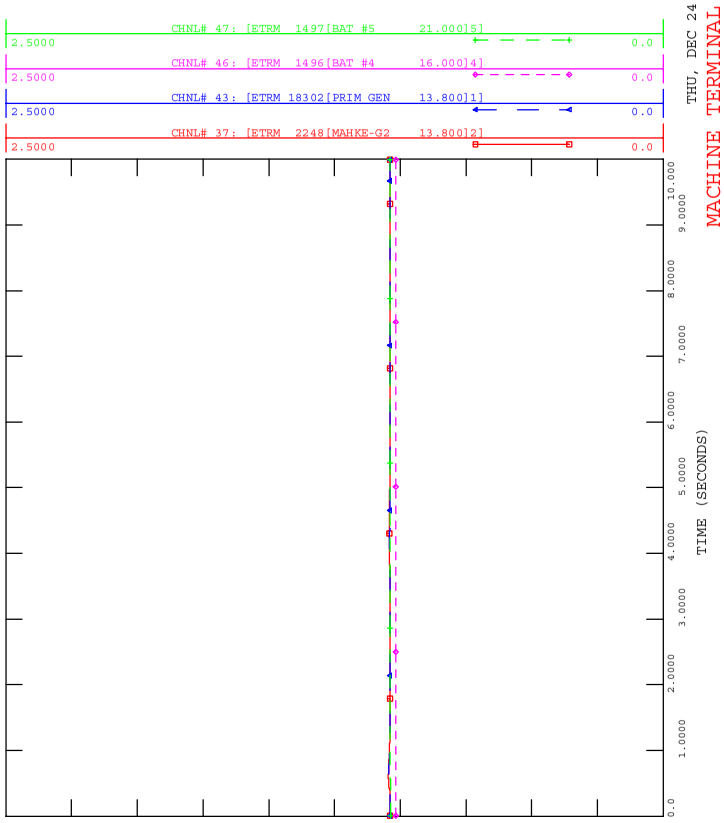


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

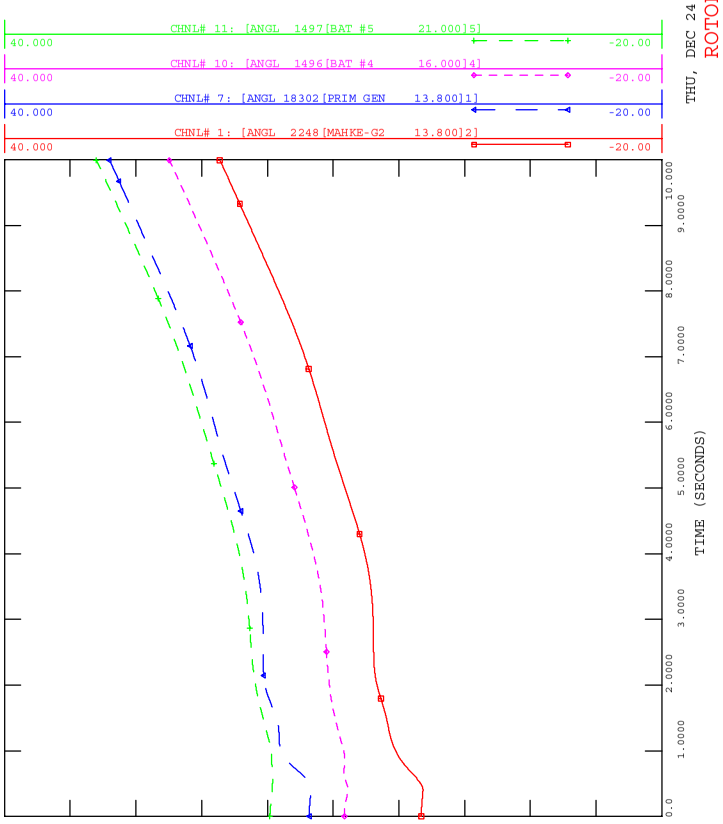


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

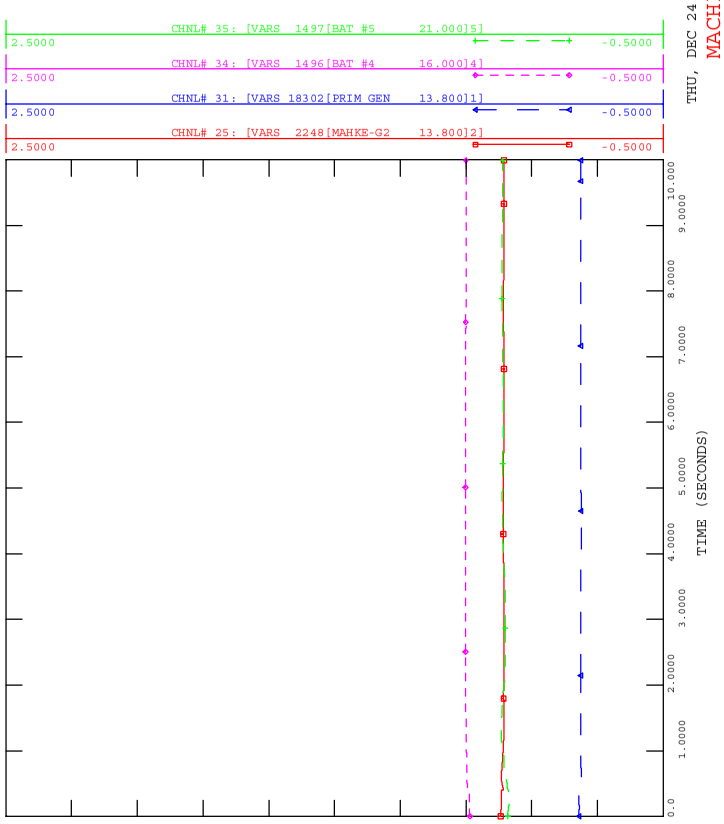


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

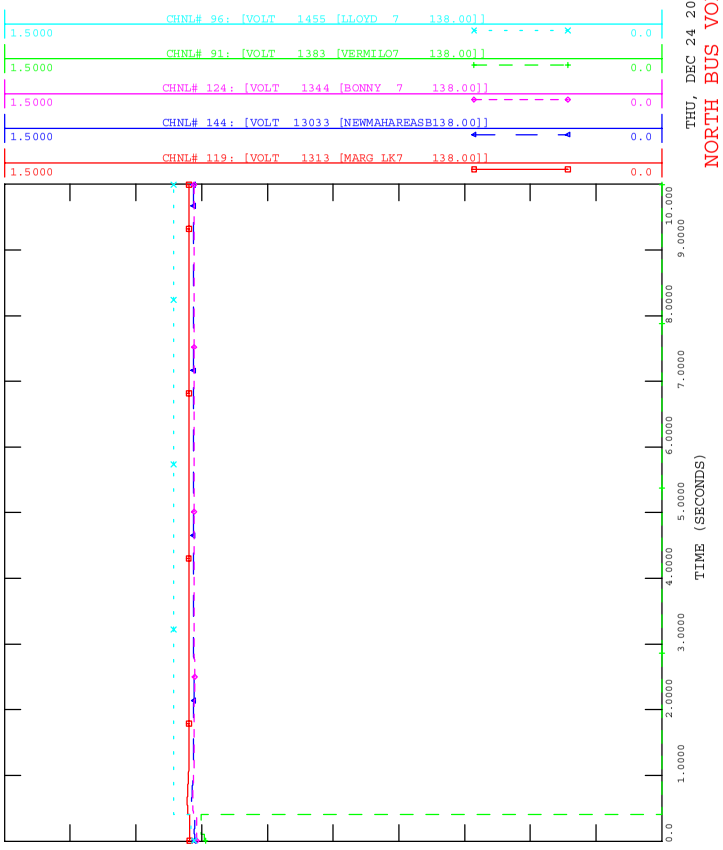


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

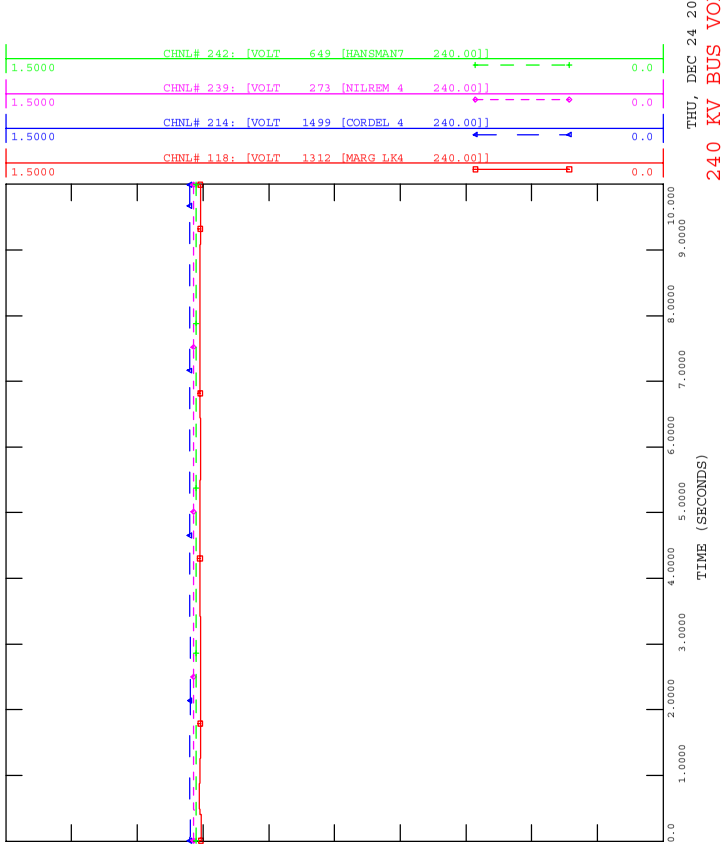


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

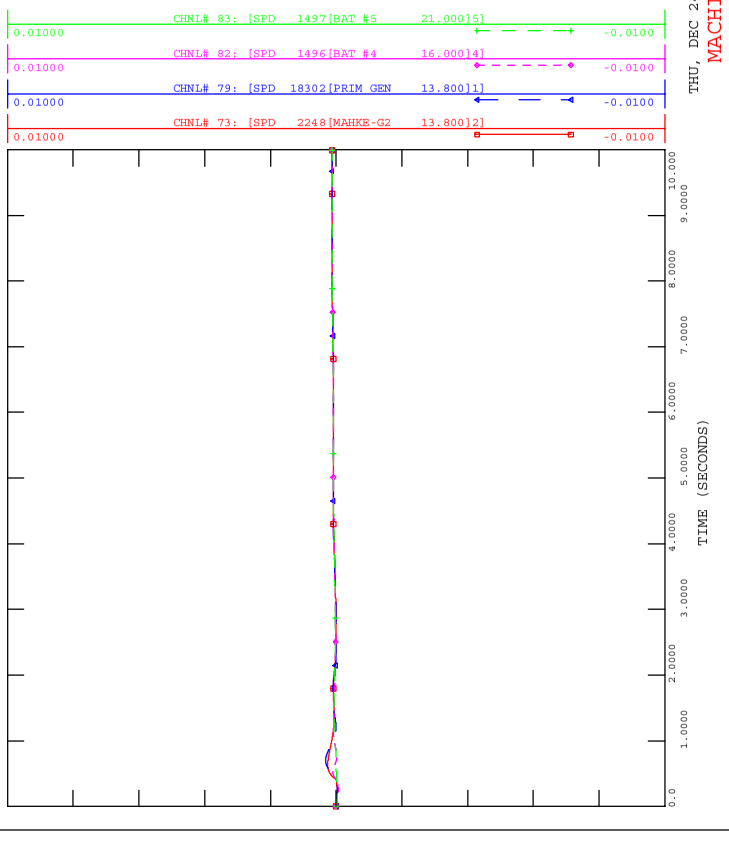


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:11

MACHINE SPEED

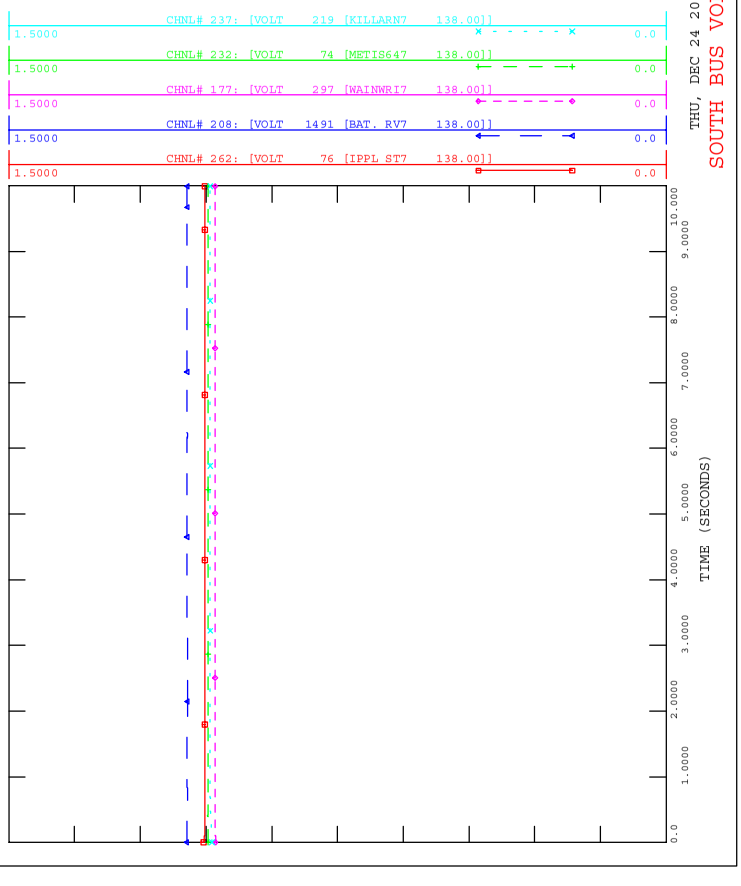


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES

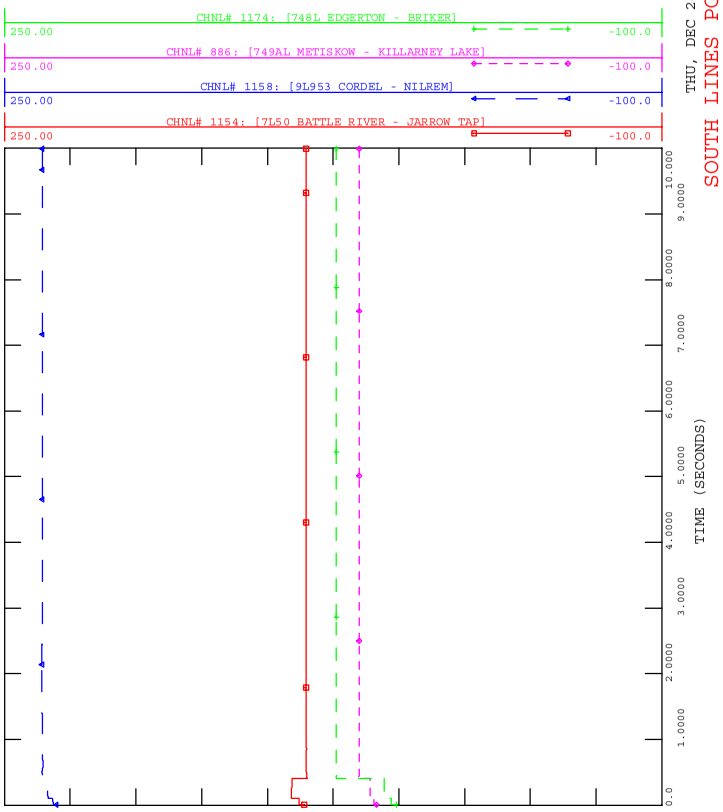


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

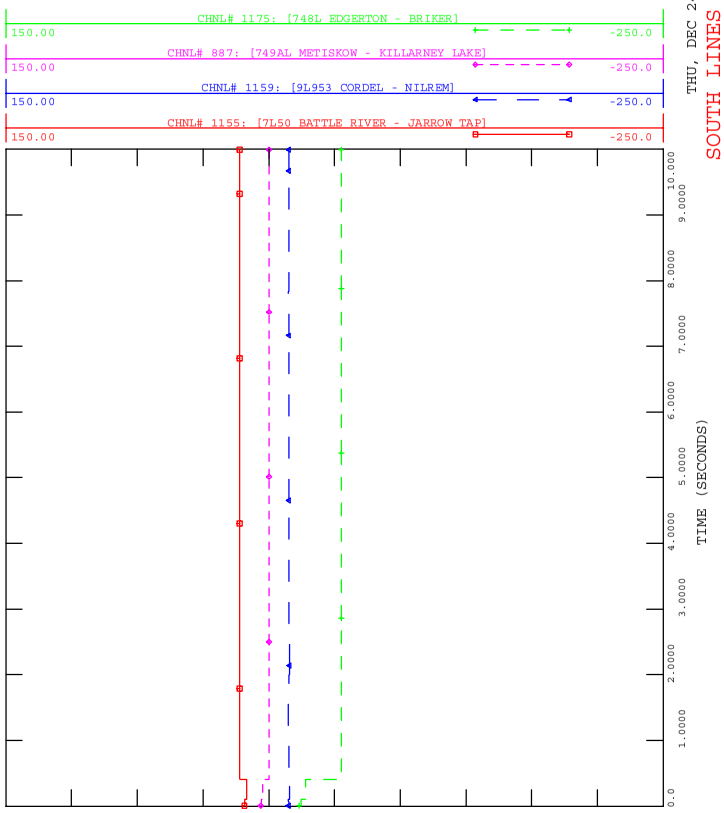


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

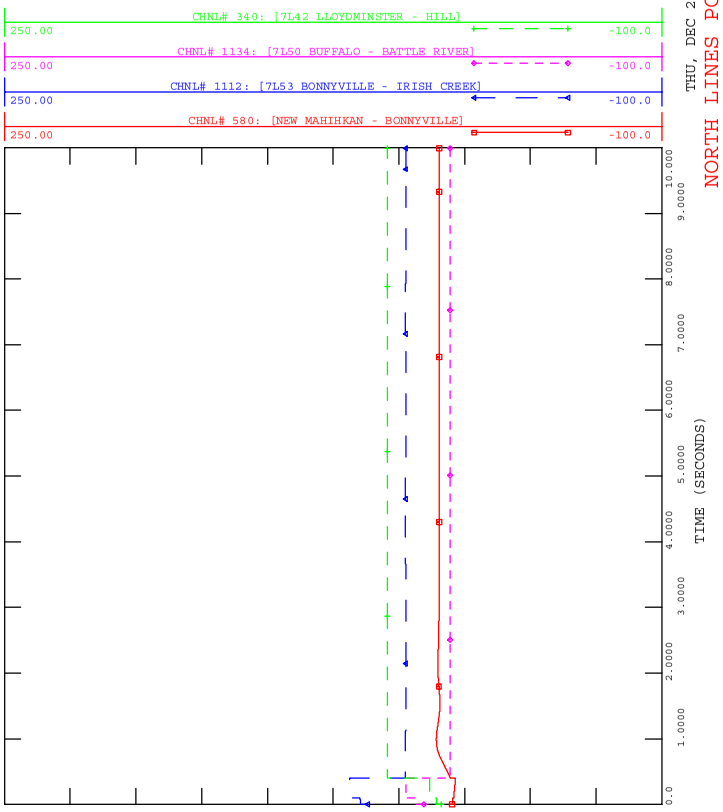


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

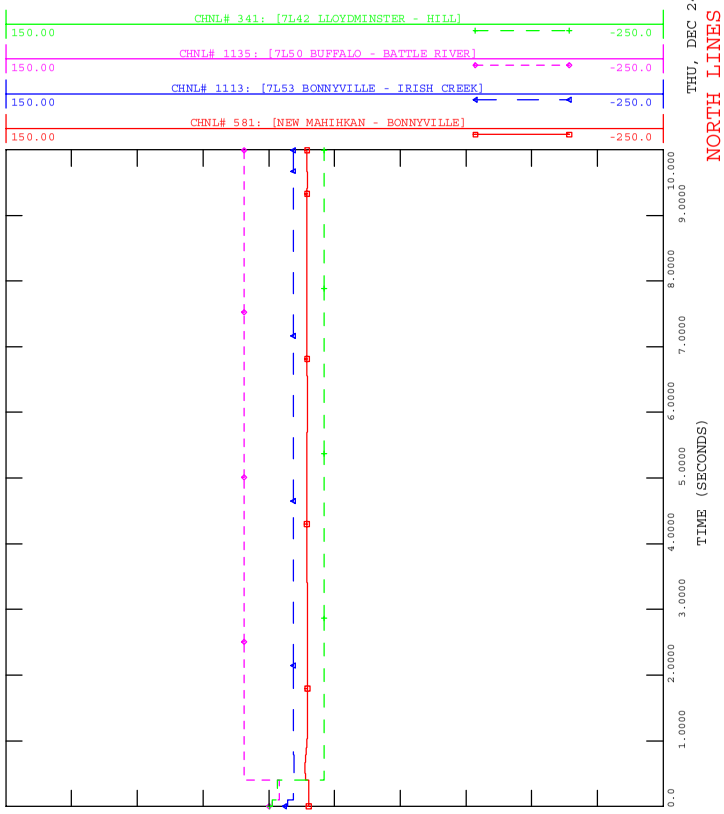


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

NORTH LINES VAR FLOW

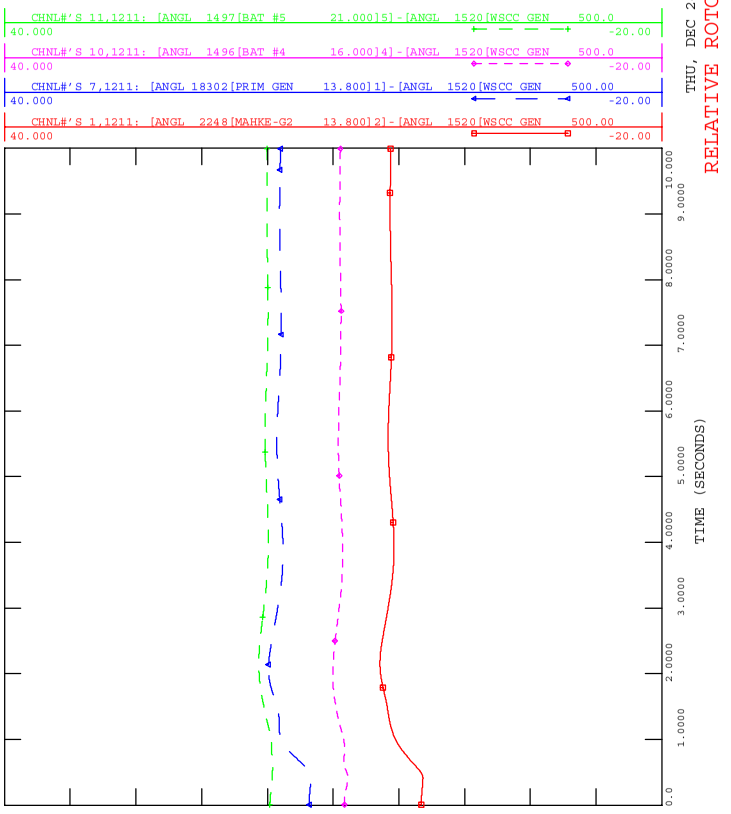


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

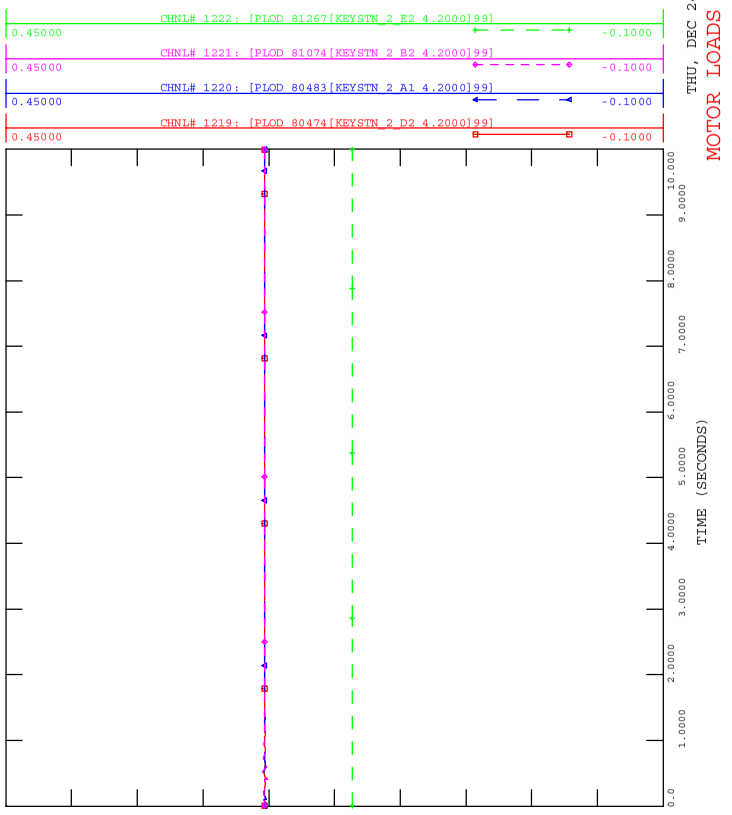


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP II

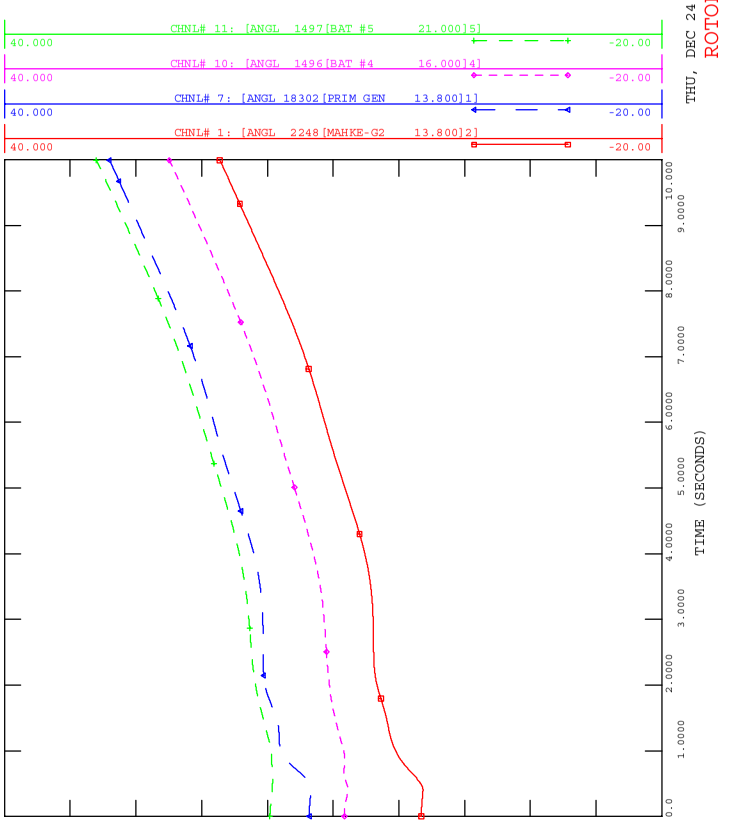


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

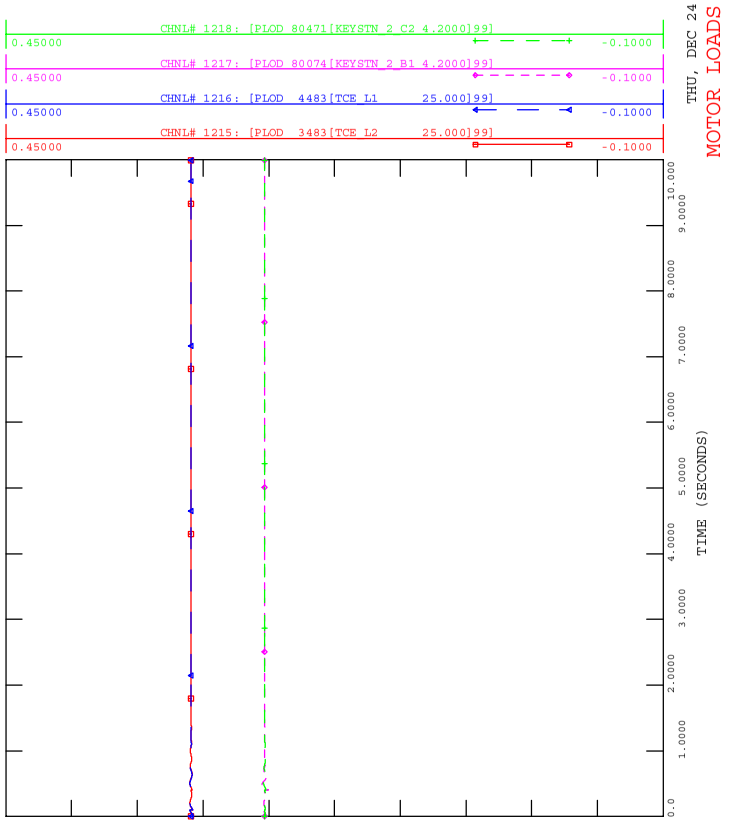


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

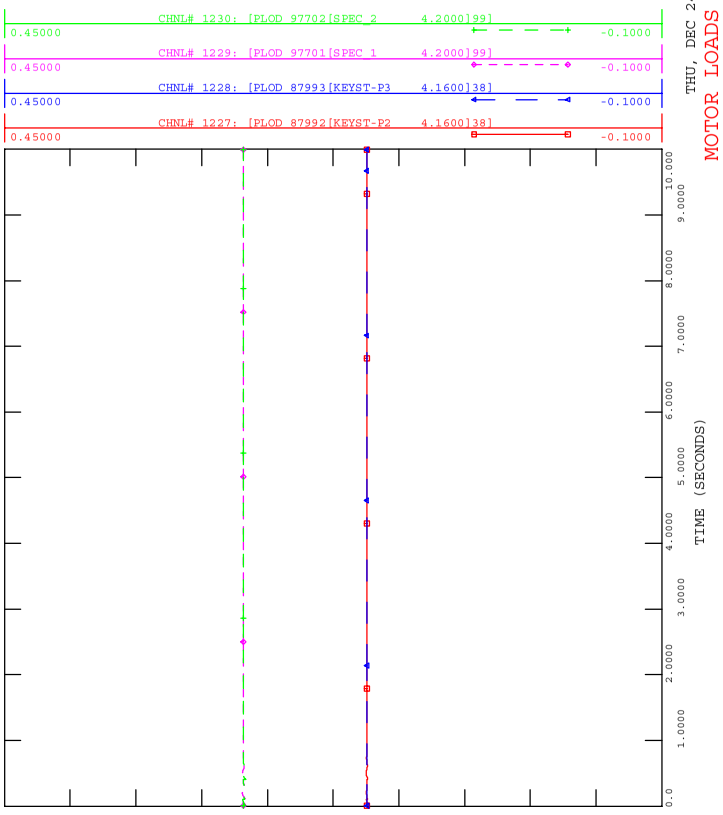
THU, DEC 24 2009 8:11

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out

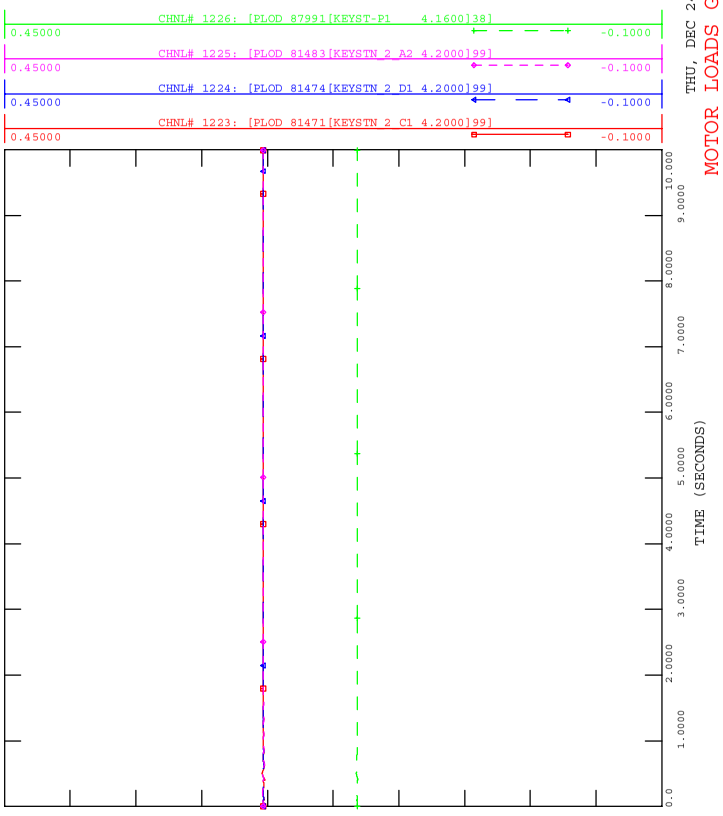


THU, DEC 24 2009 8:11

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-3Fault.out



THU, DEC 24 2009 8:11

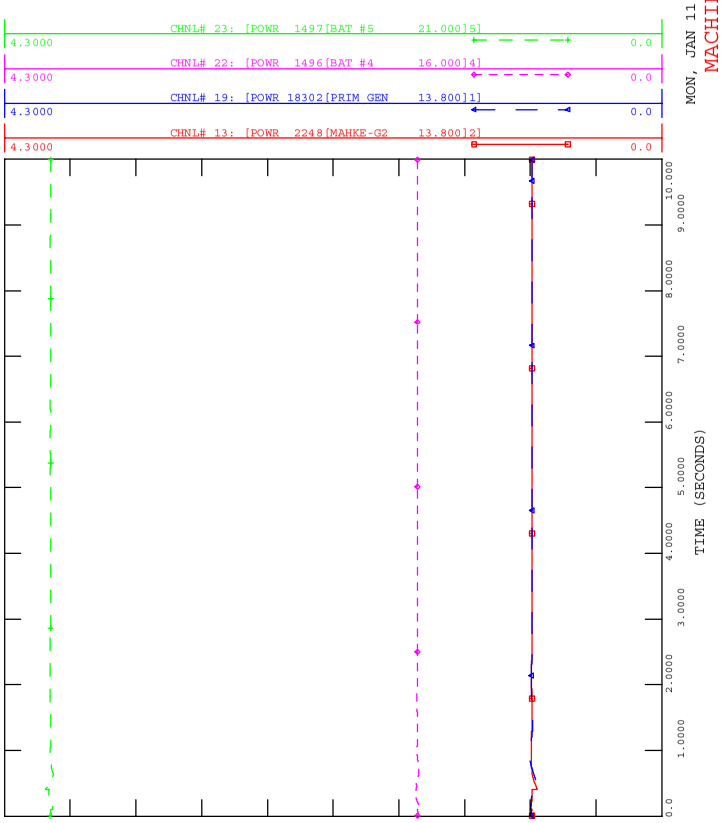
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MACHINE POWER

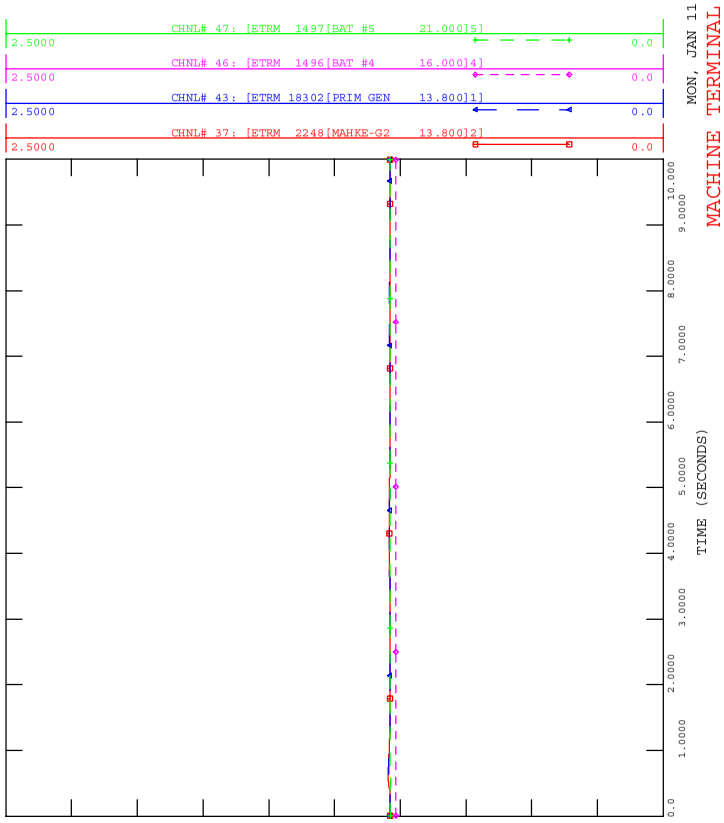


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MACHINE TERMINAL VOLTAGE

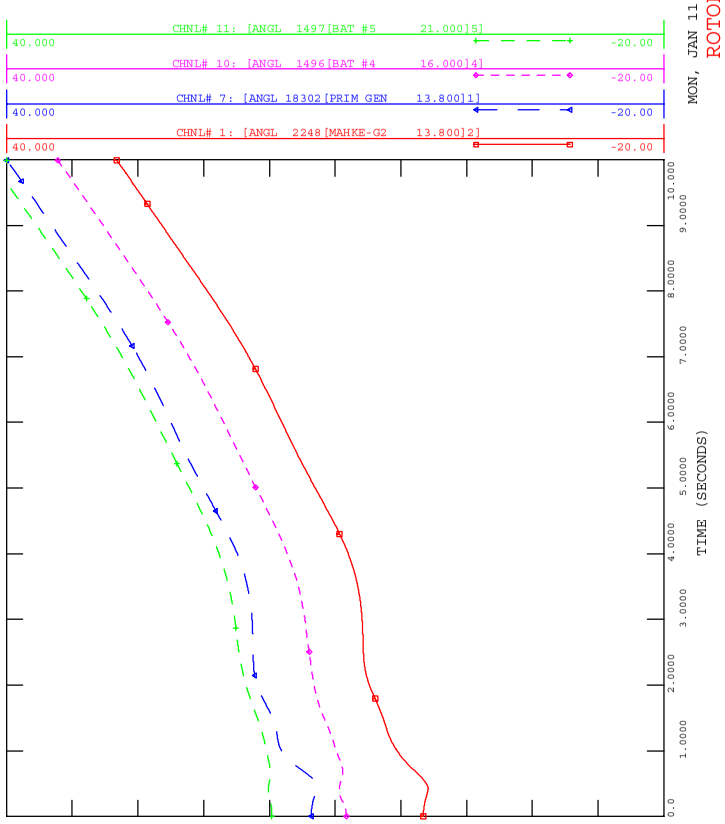


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

ROTOR ANGLES

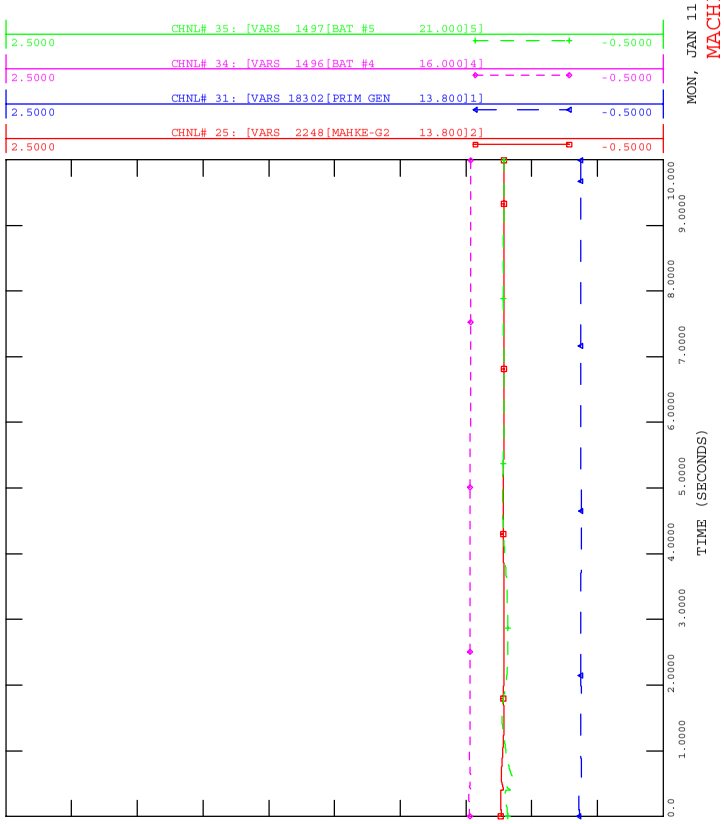


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MACHINE VARS

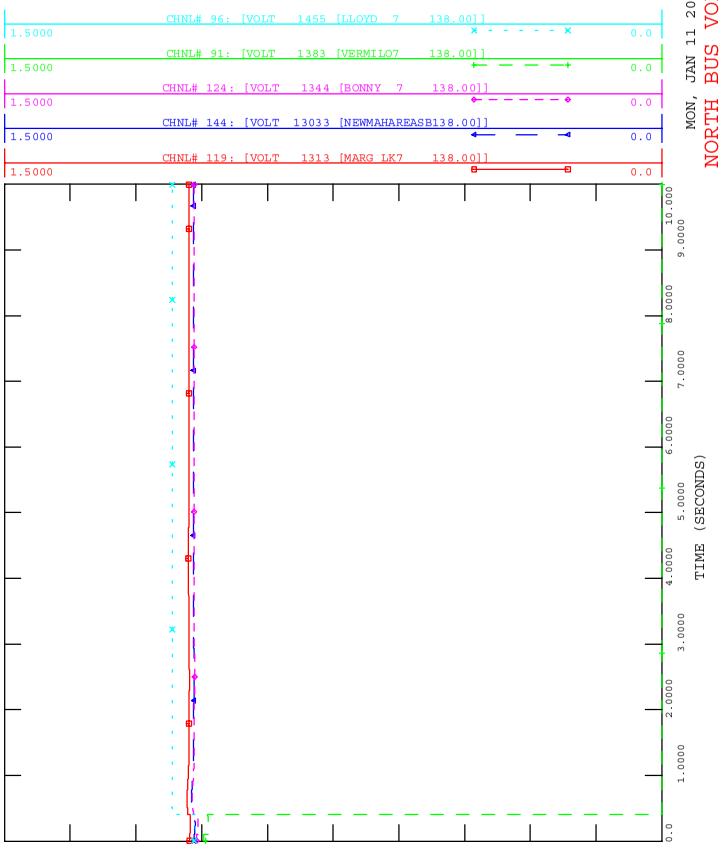


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

NORTH BUS VOLTAGES

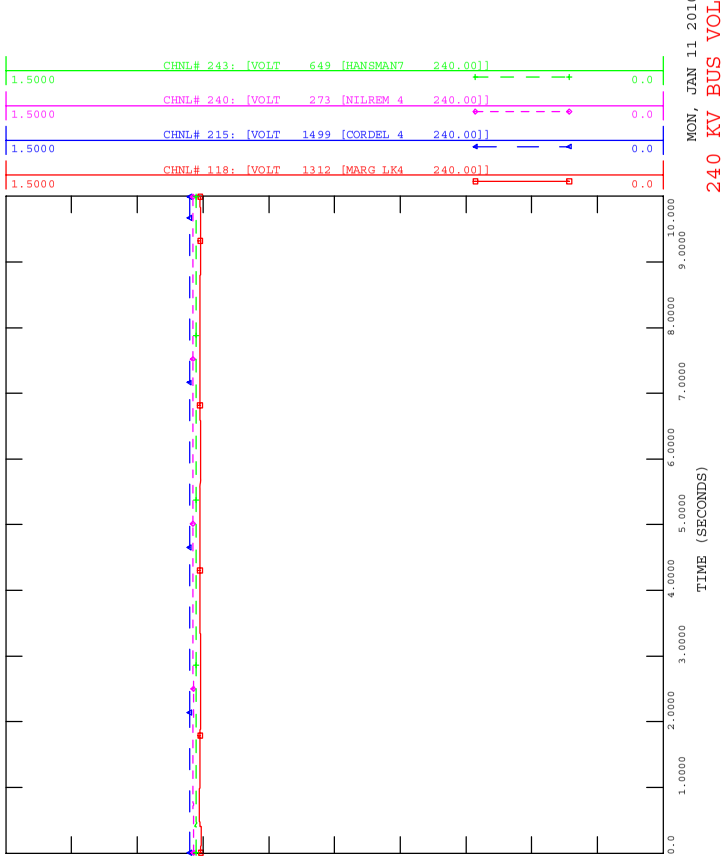


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

240 KV BUS VOLTAGES

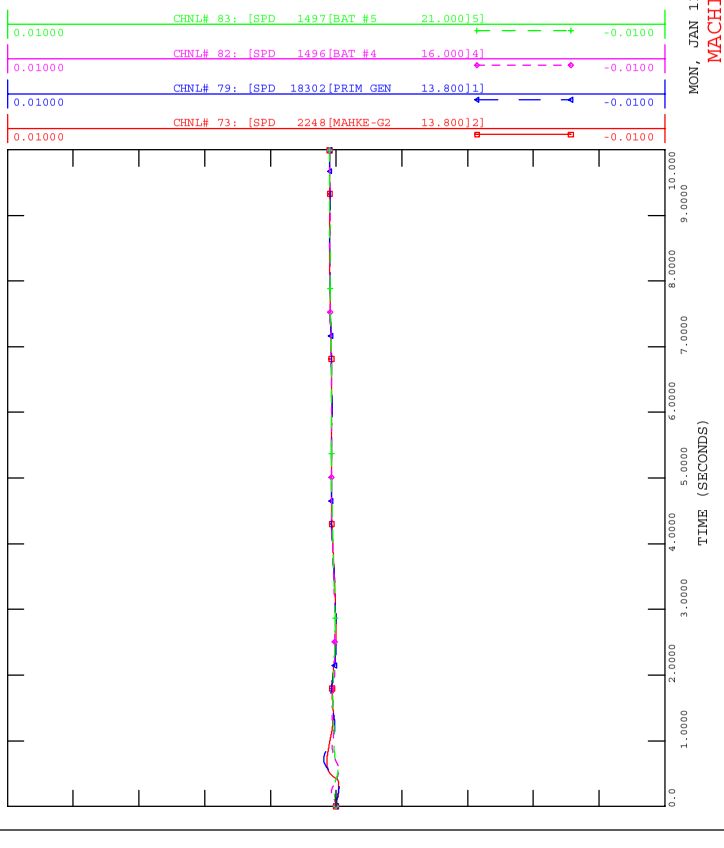


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MACHINE SPEED

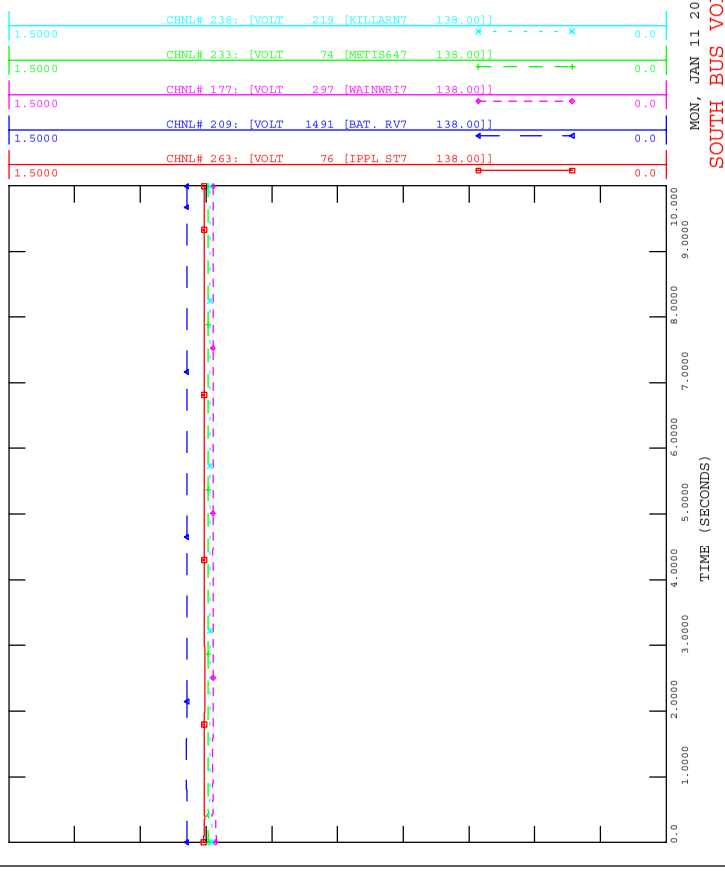


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

SOUTH BUS VOLTAGES

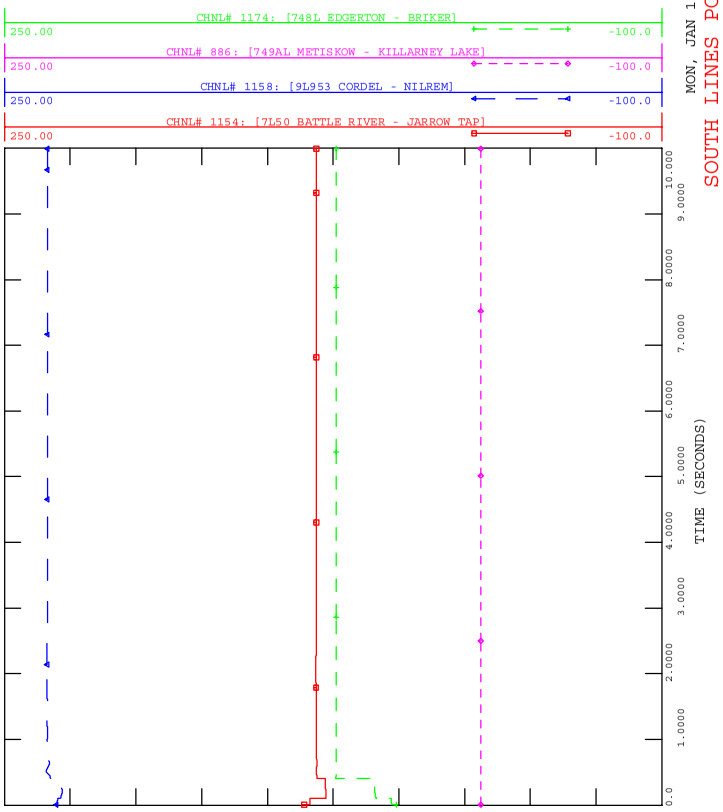


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

SOUTH LINES POWER FLOW

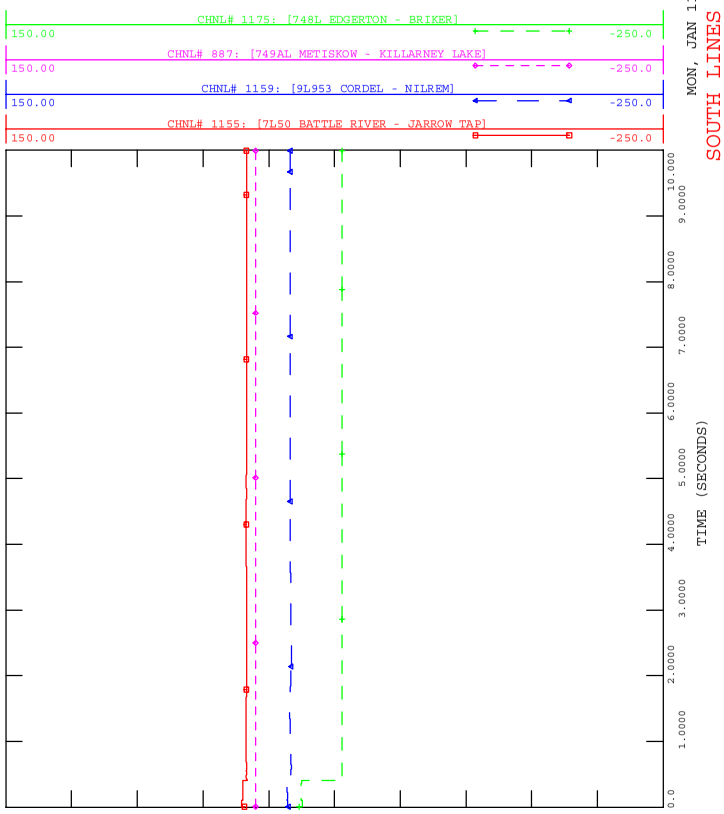


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

SOUTH LINES VAR FLOW

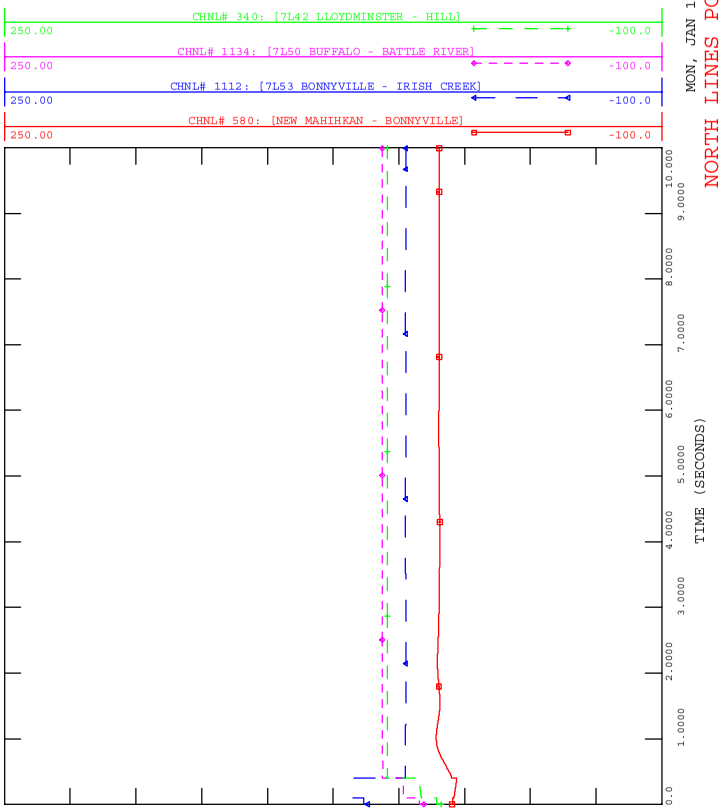


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

NORTH LINES POWER FLOW

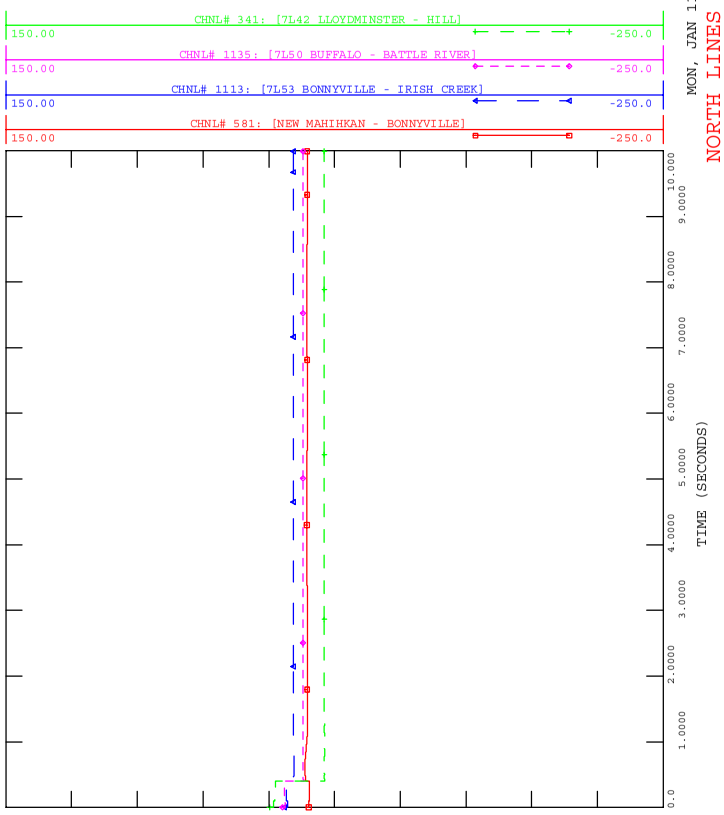


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

NORTH LINES VAR FLOW

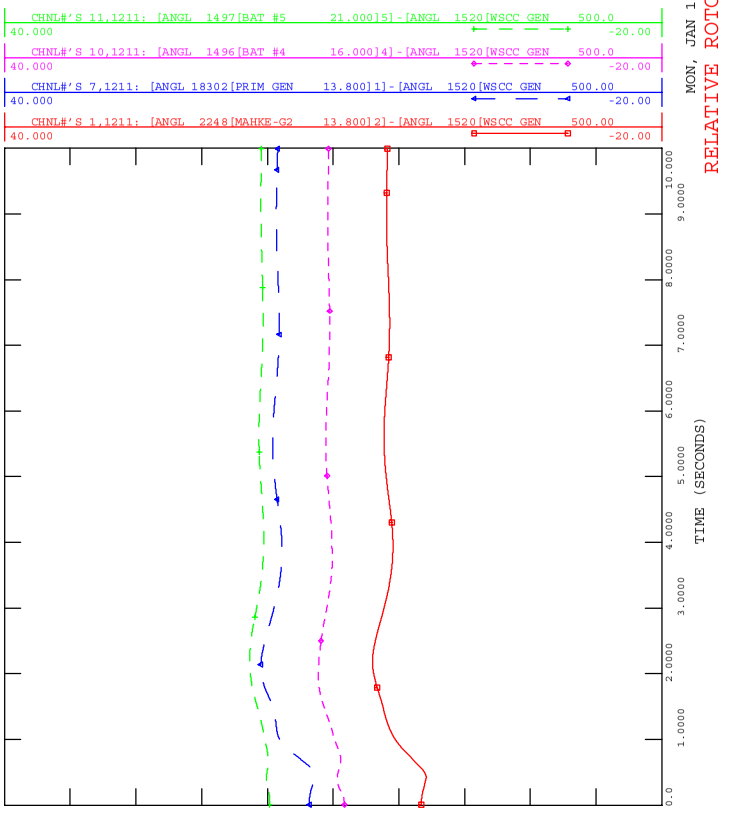


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

RELATIVE ROTOR ANGLES

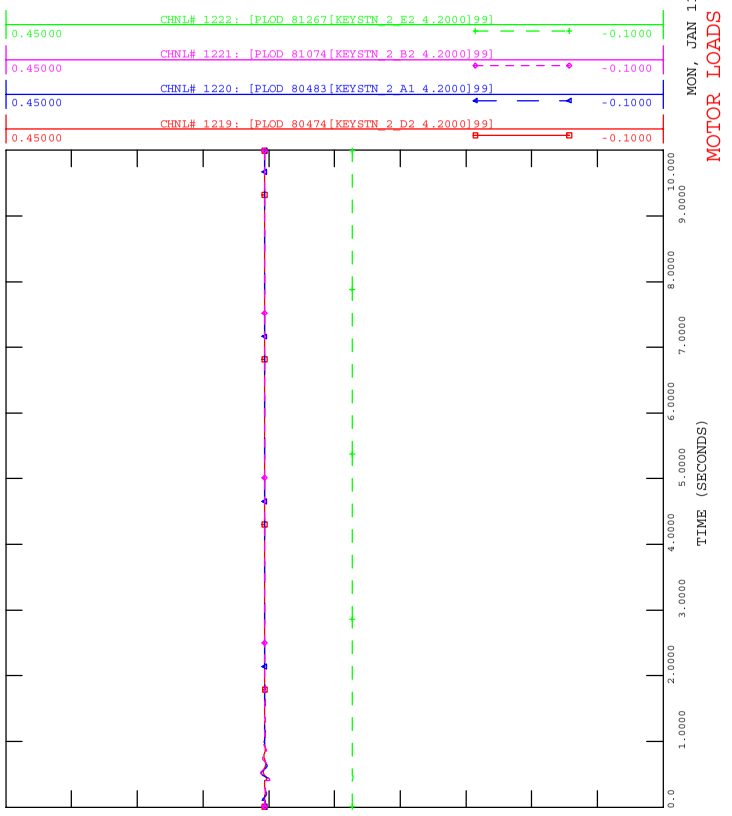


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MOTOR LOADS GROUP II

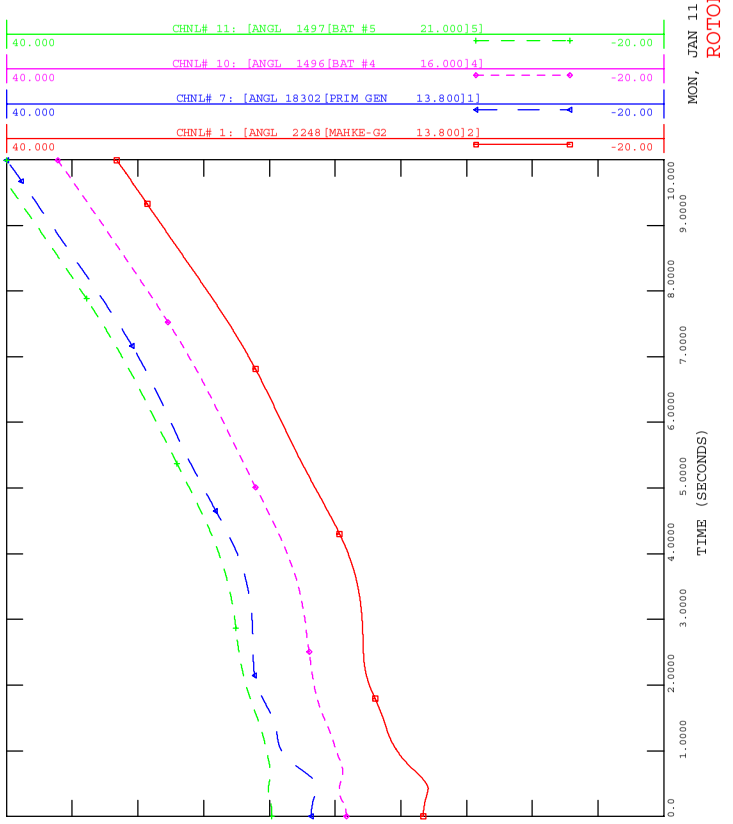


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

ROTOR ANGLES

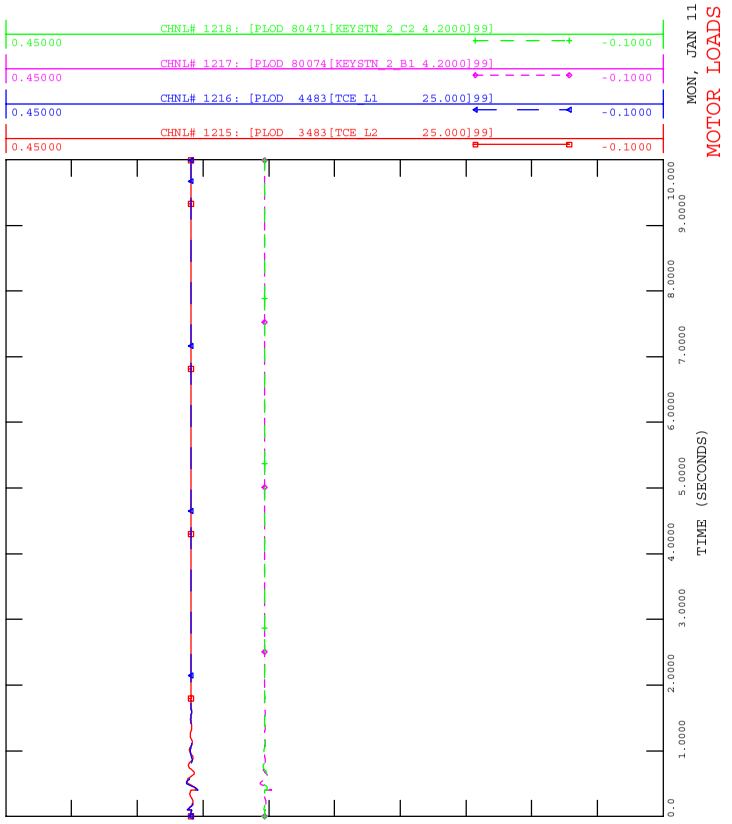


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MOTOR LOADS GROUP I

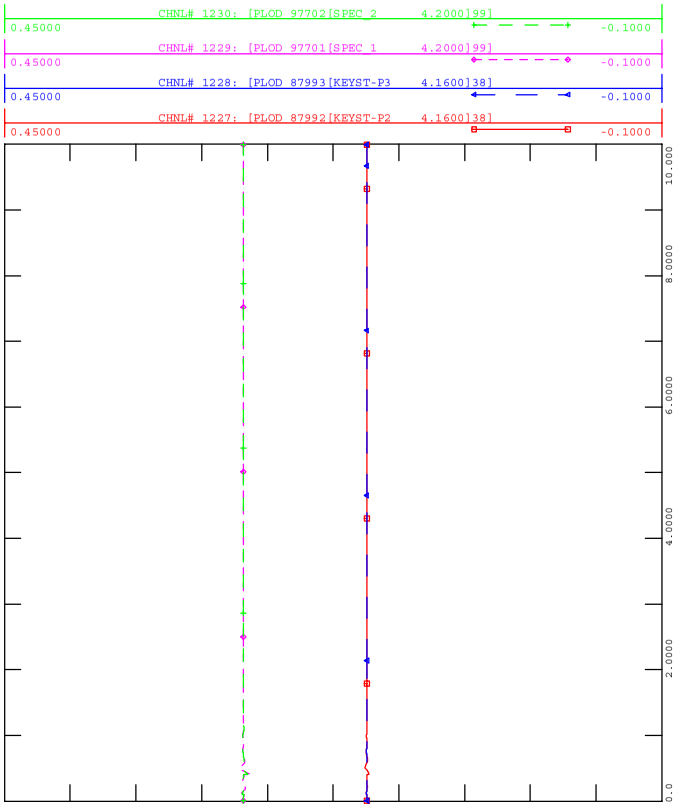


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MOTOR LOADS GROUP IV

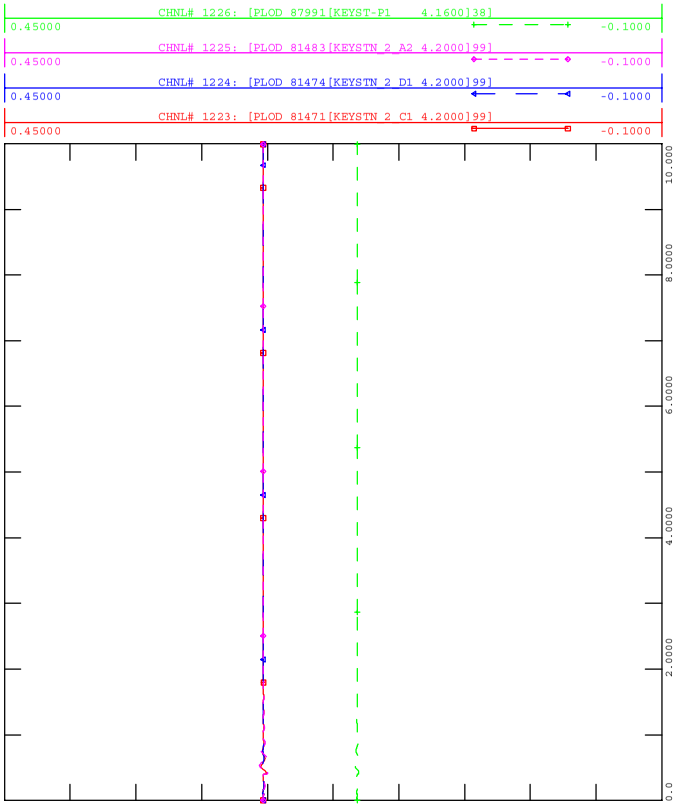


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-4Fault.out

MON, JAN 11 2010 9:18

MOTOR LOADS GROUP III

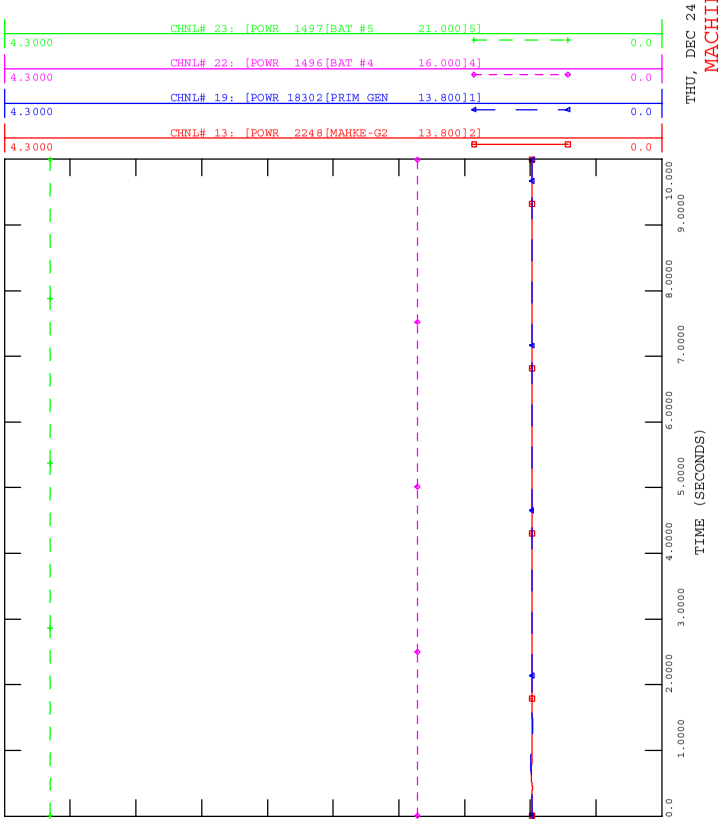


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

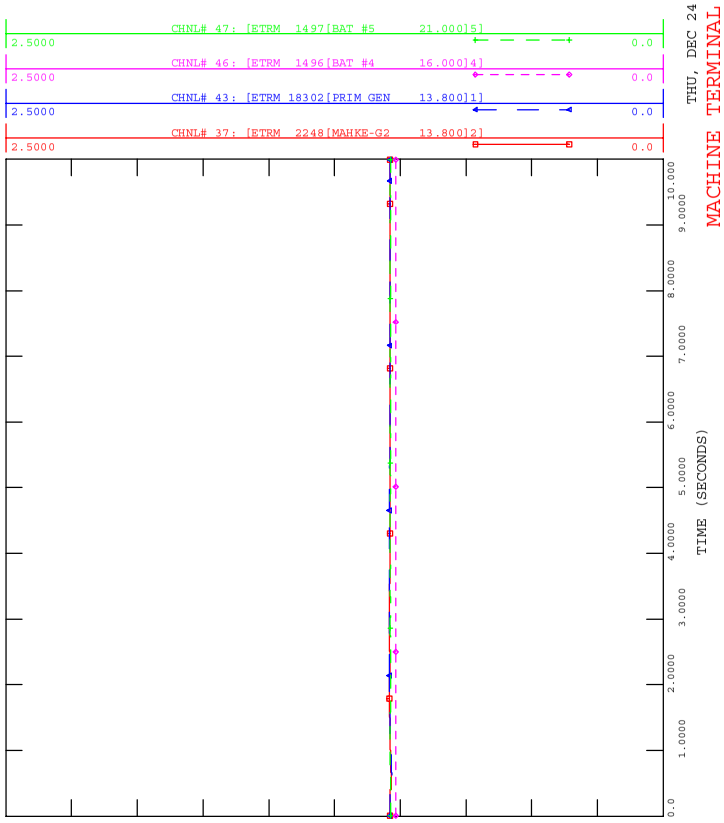


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

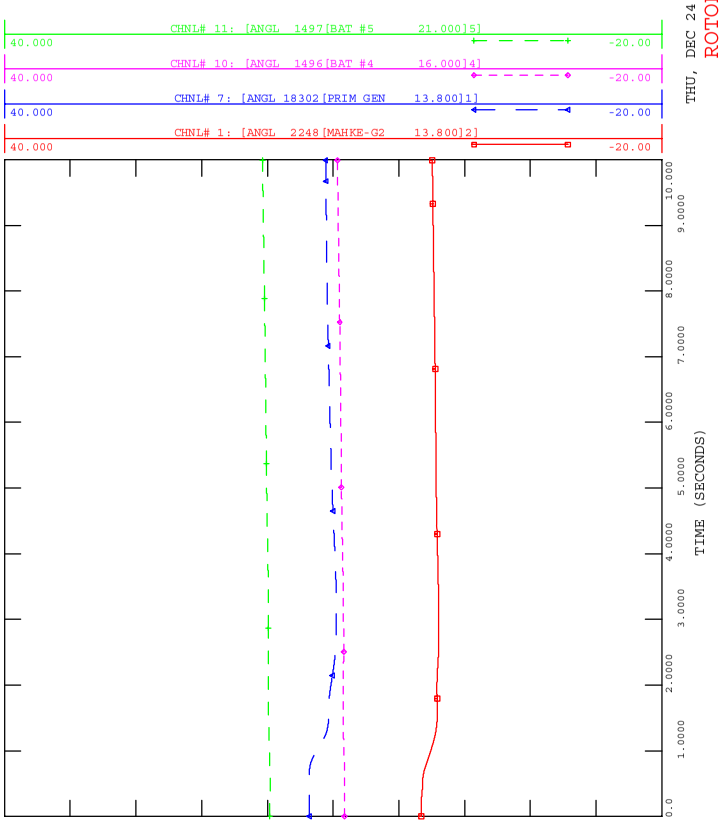


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

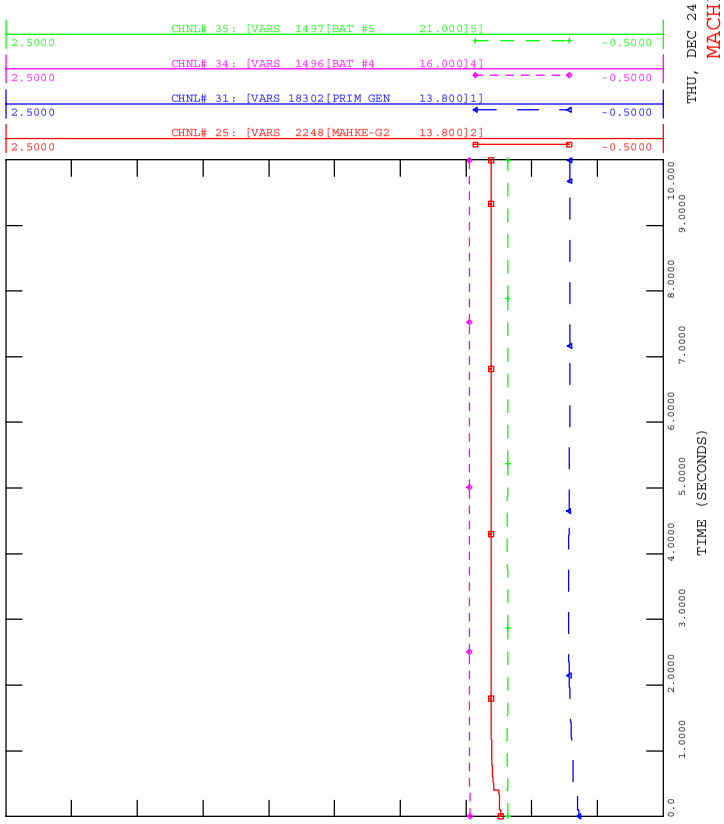


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

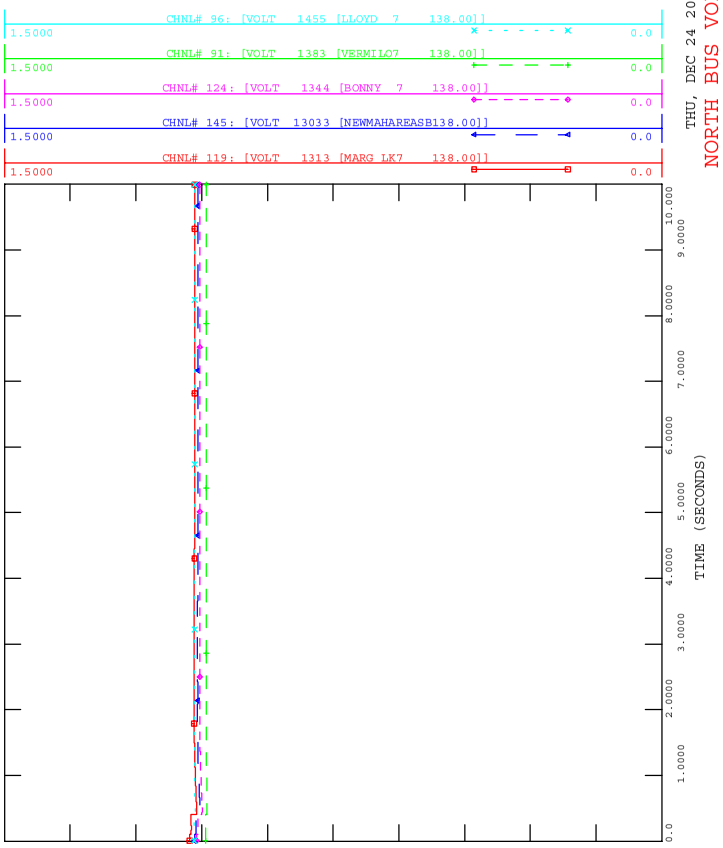


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

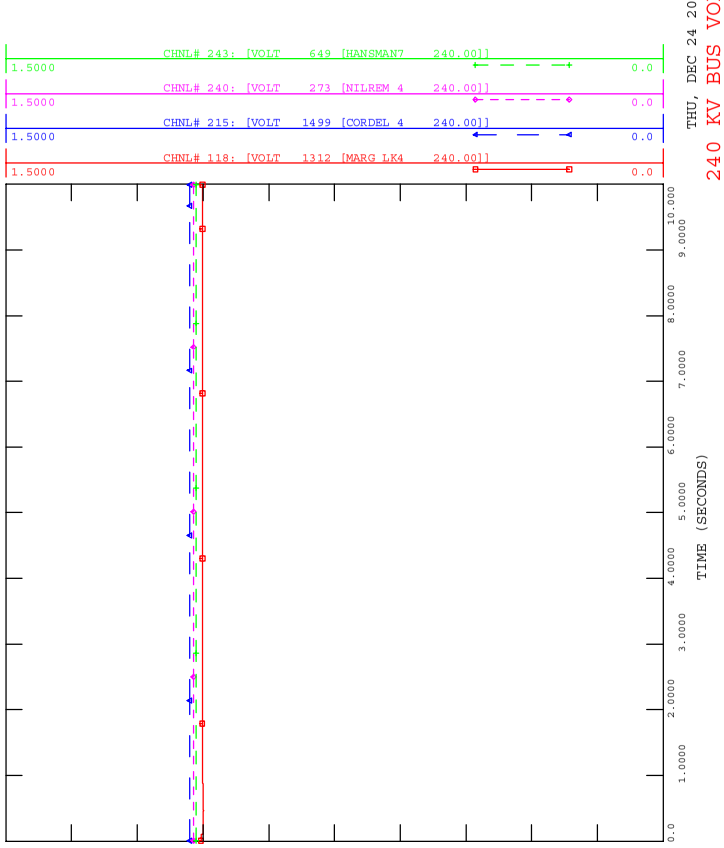


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

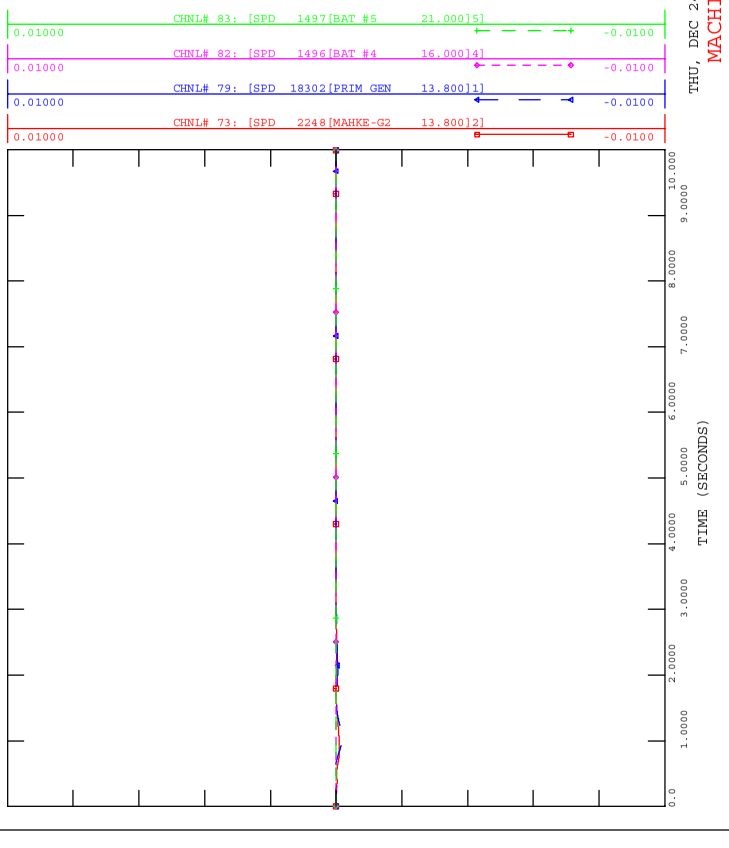


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MACHINE SPEED

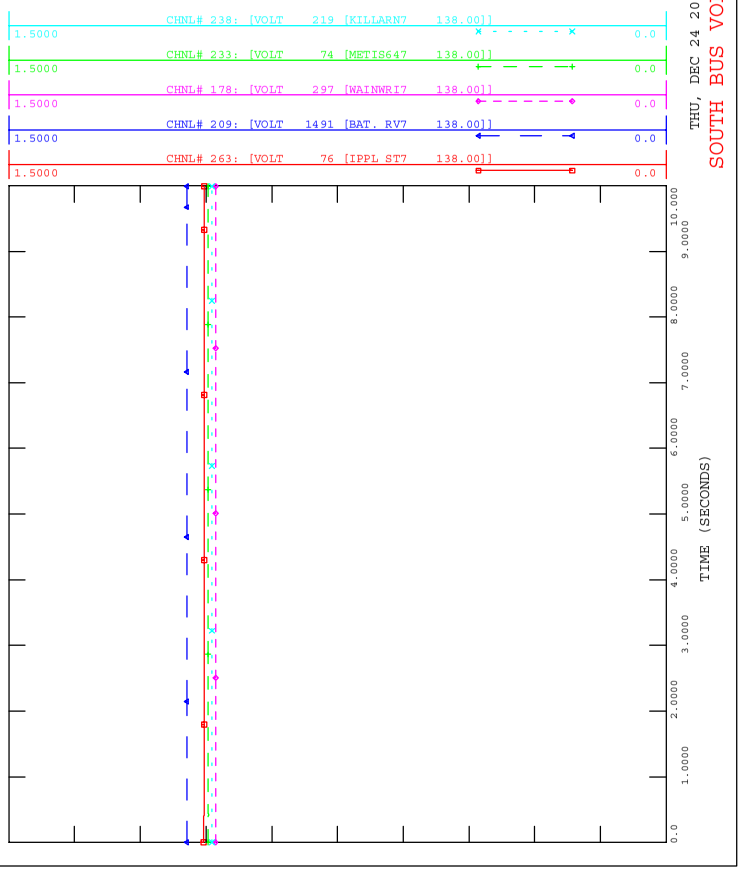


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES

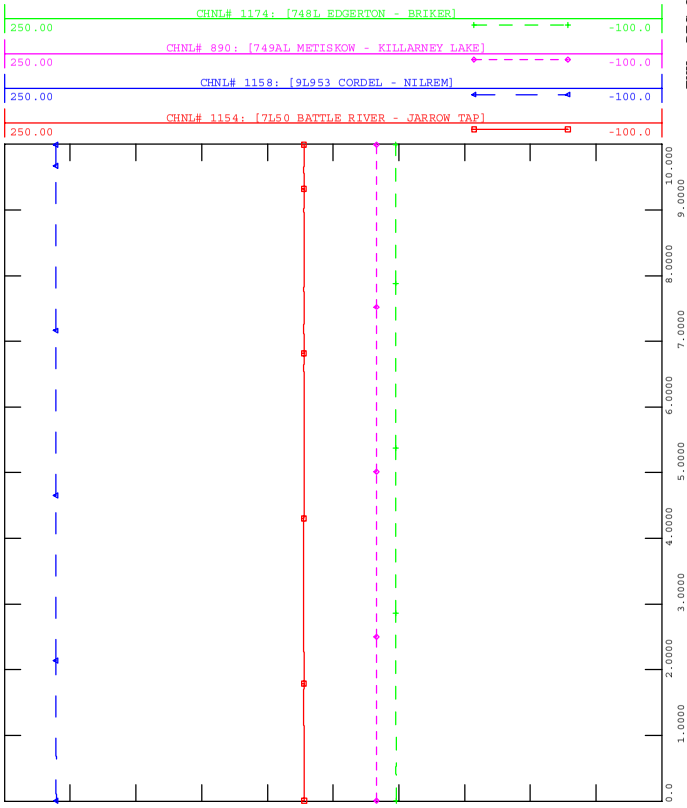


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

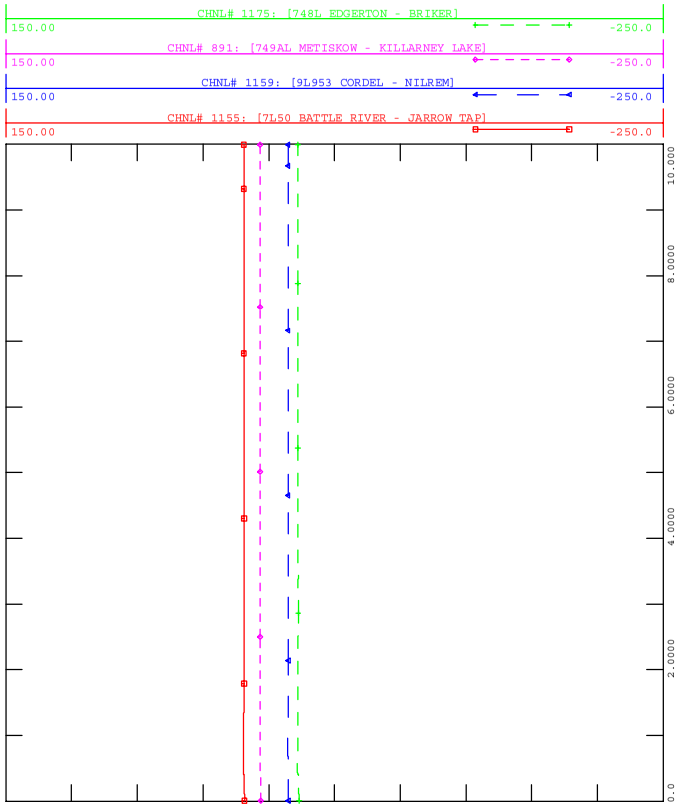


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

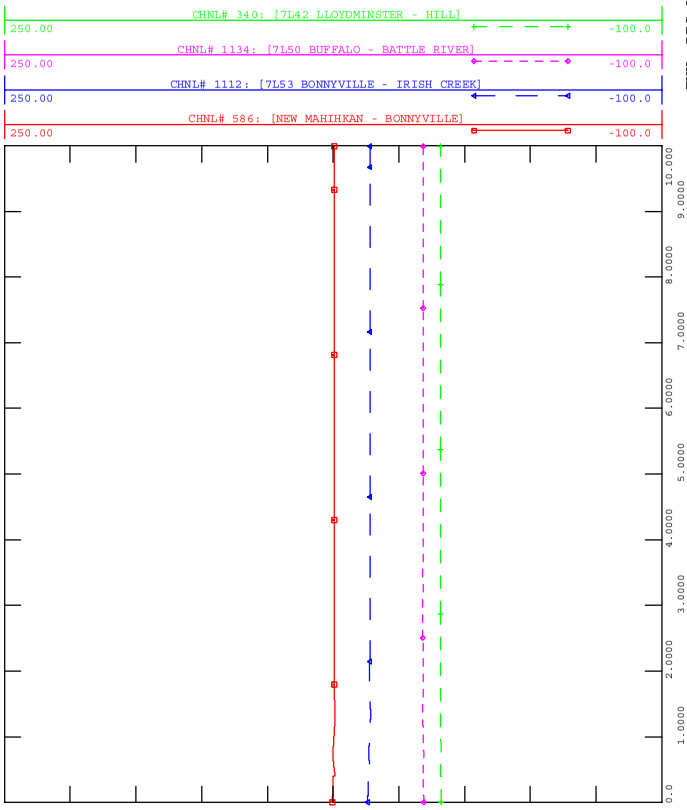


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

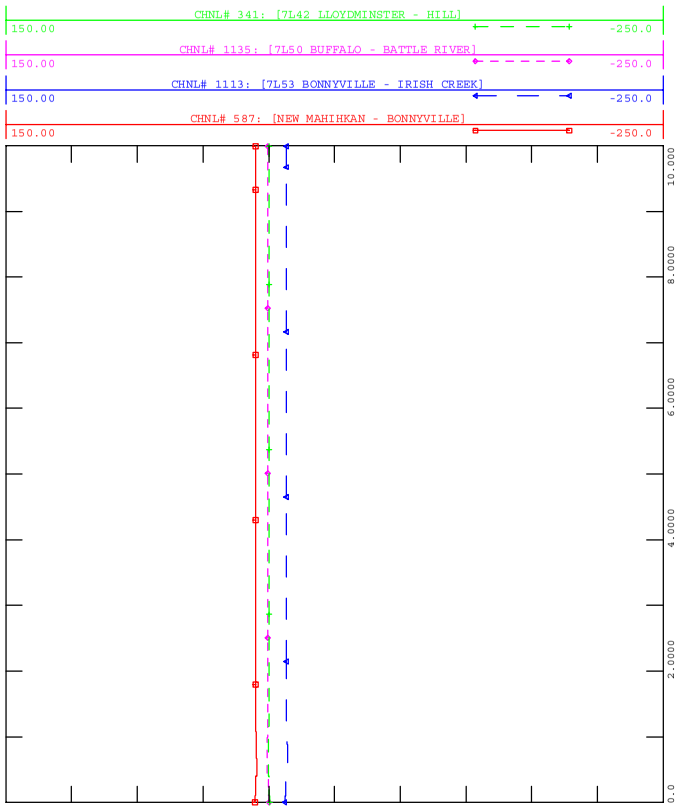


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

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NORTH LINES VAR FLOW

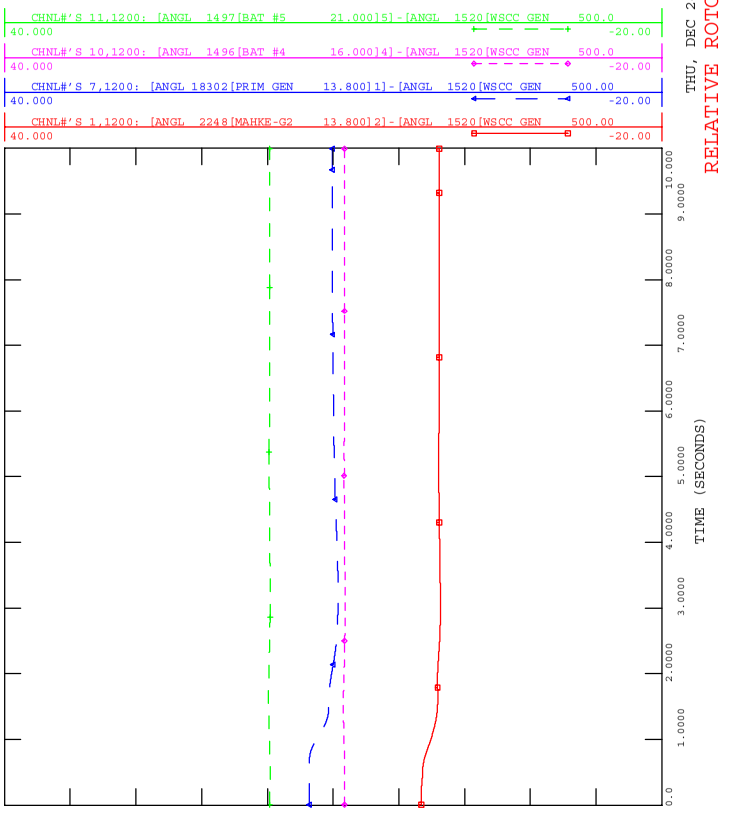


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

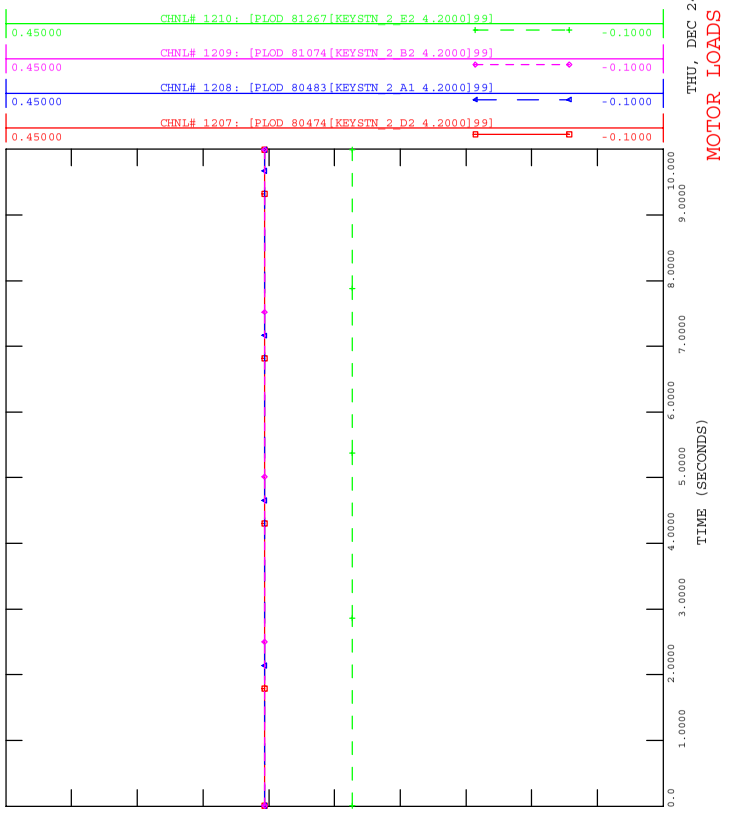


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP II

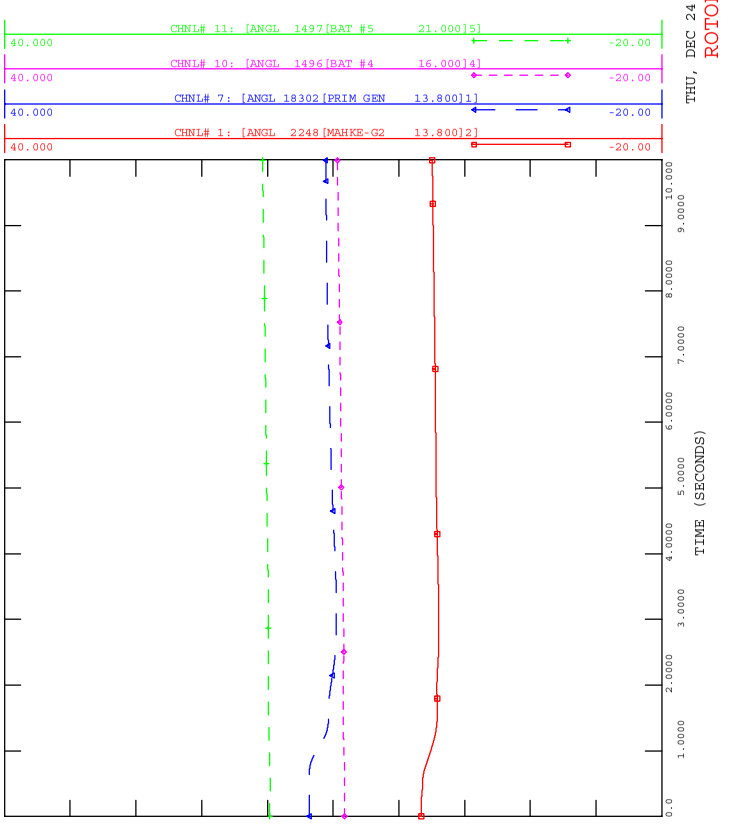


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:11

ROTOR ANGLES

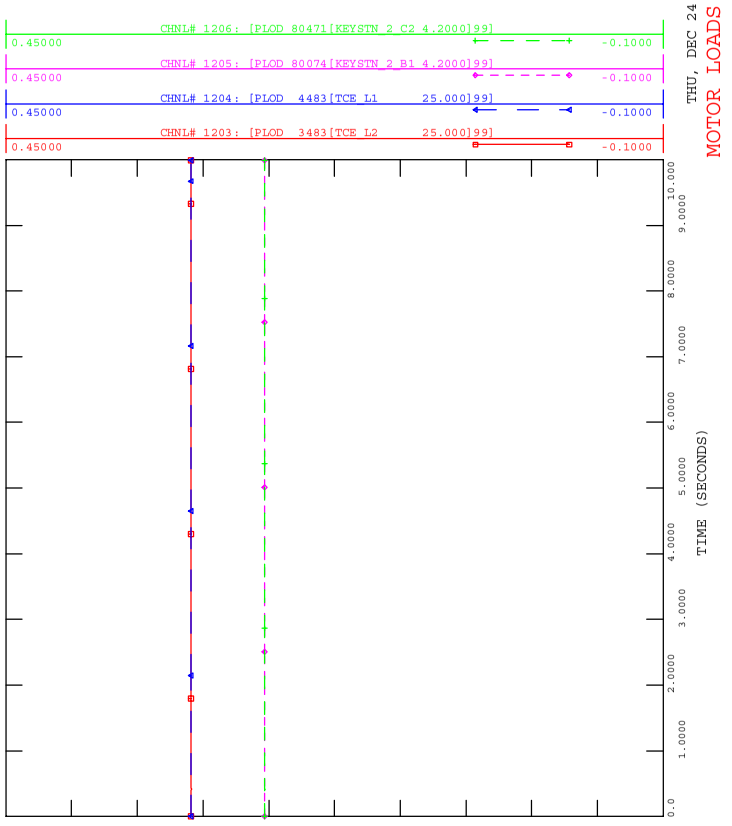


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP I

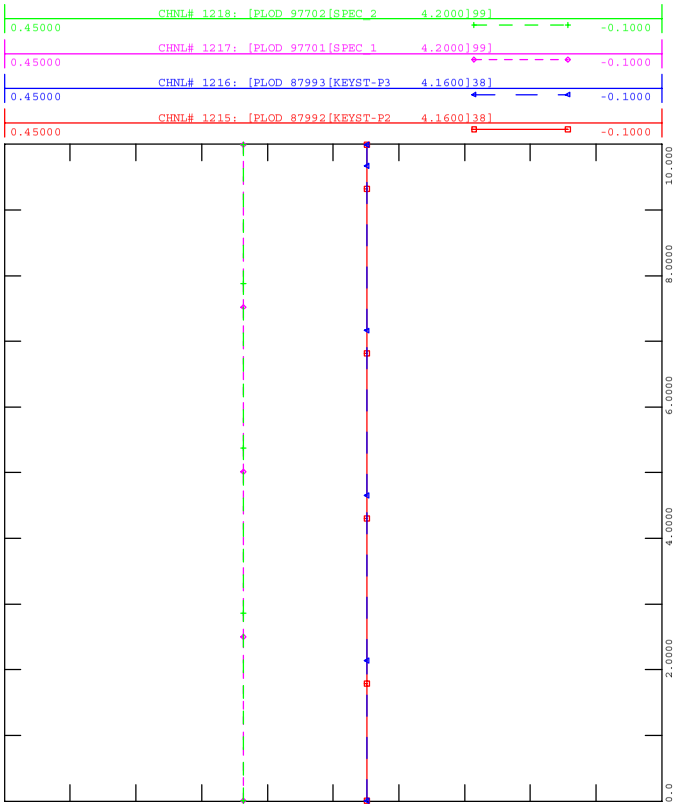


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP IV

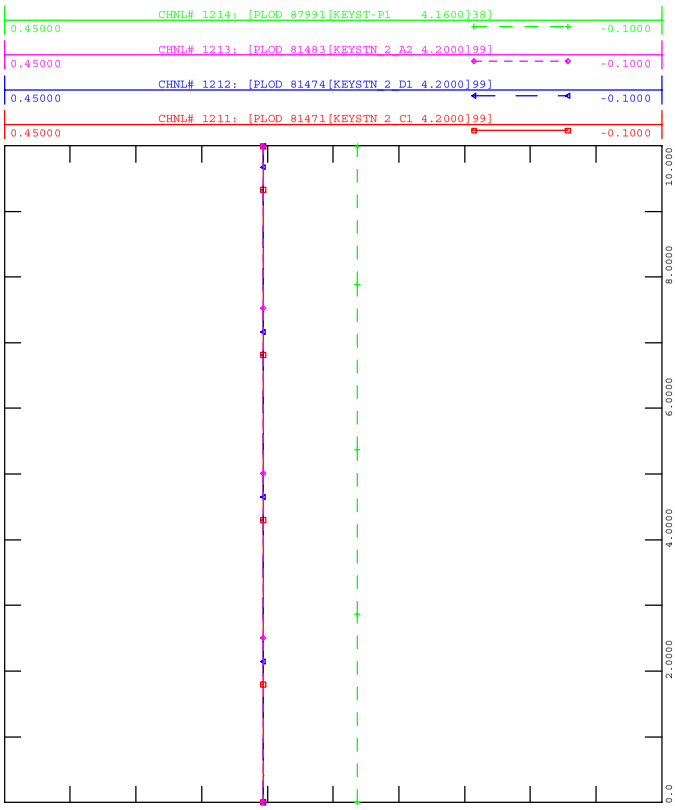


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-5Fault.out

THU, DEC 24 2009 8:11

MOTOR LOADS GROUP III

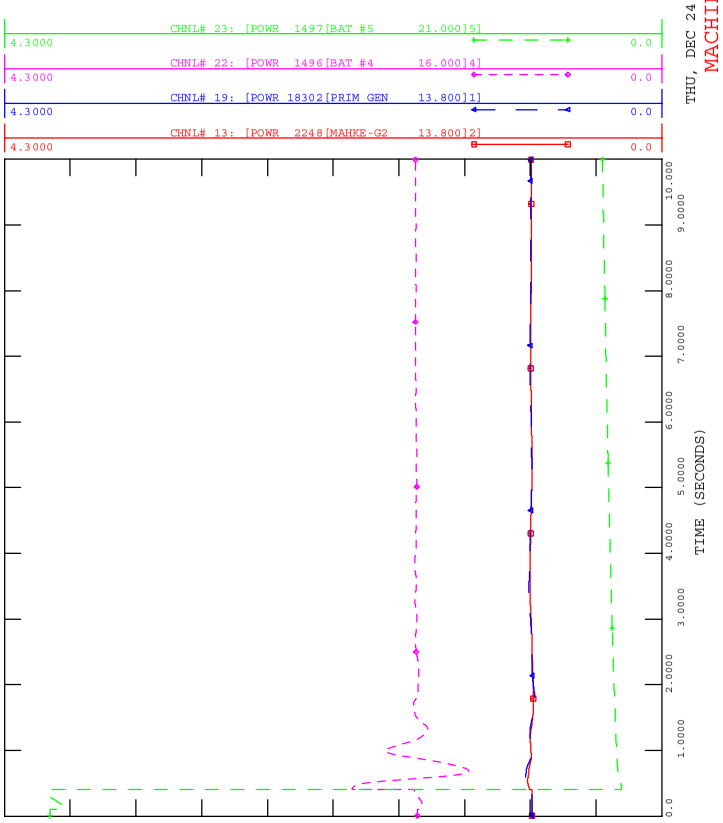


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

MACHINE POWER

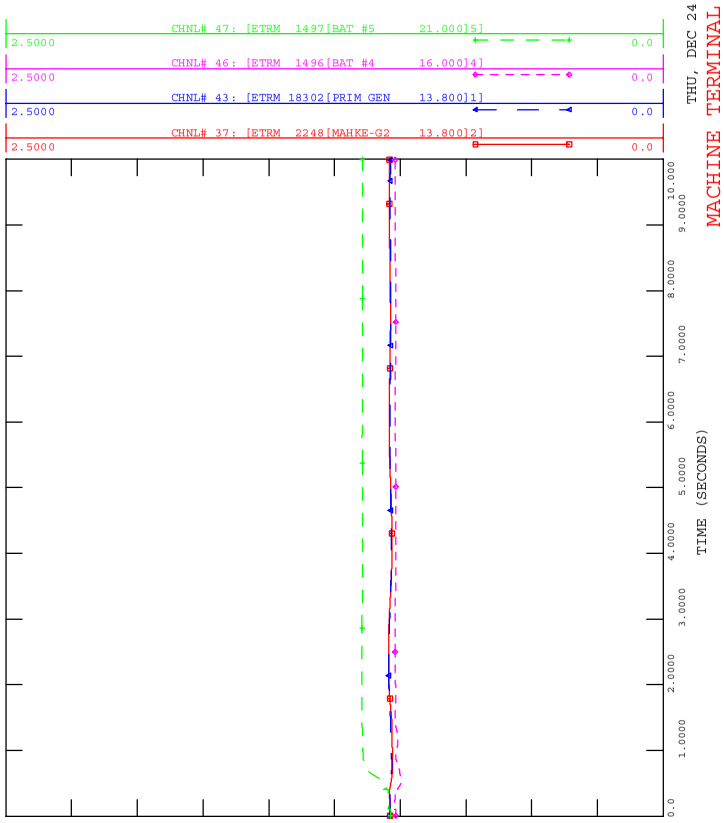


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

MACHINE TERMINAL VOLTAGE

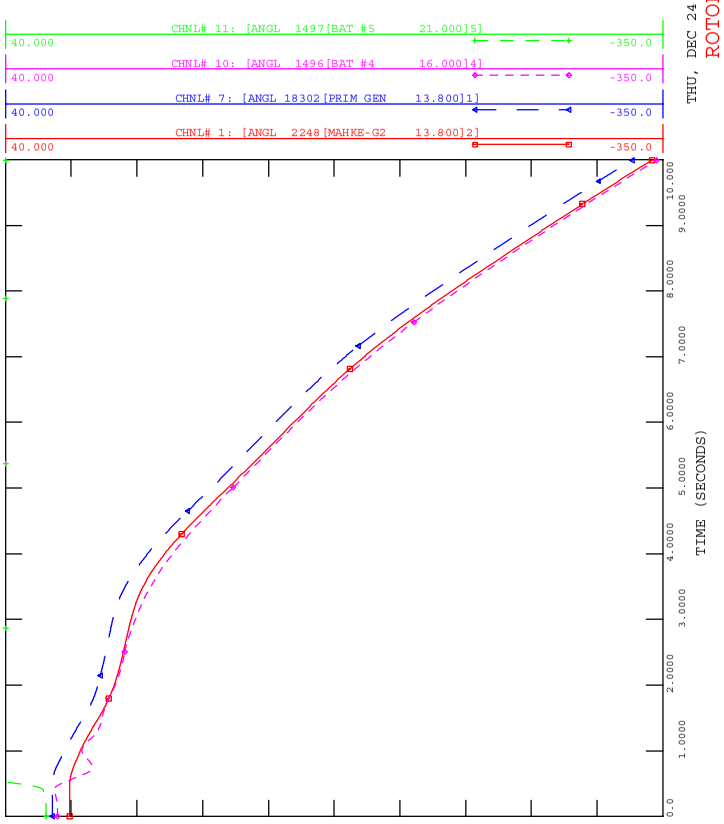


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

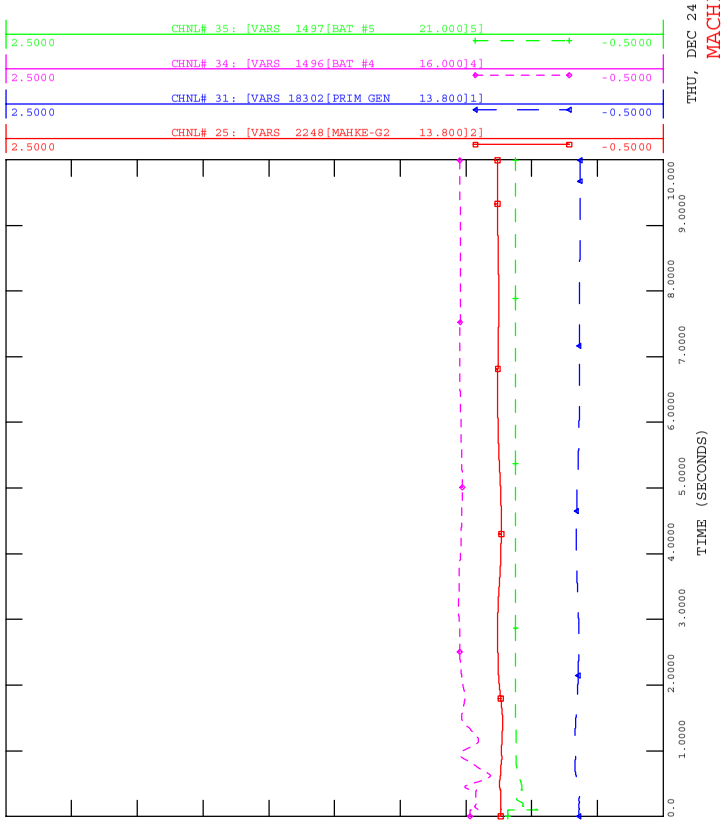


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

MACHINE VARS

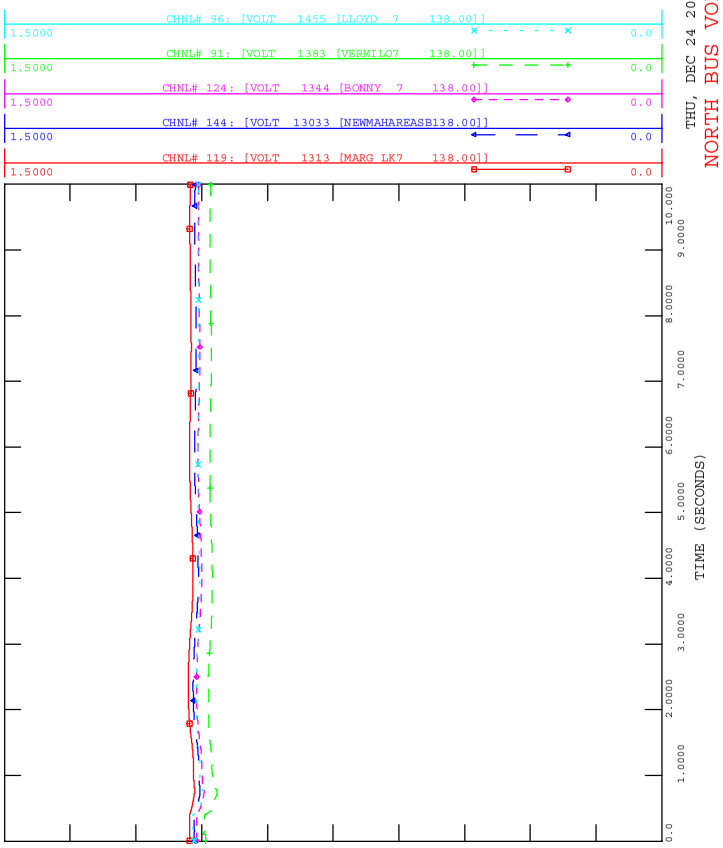


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

NORTH BUS VOLTAGES

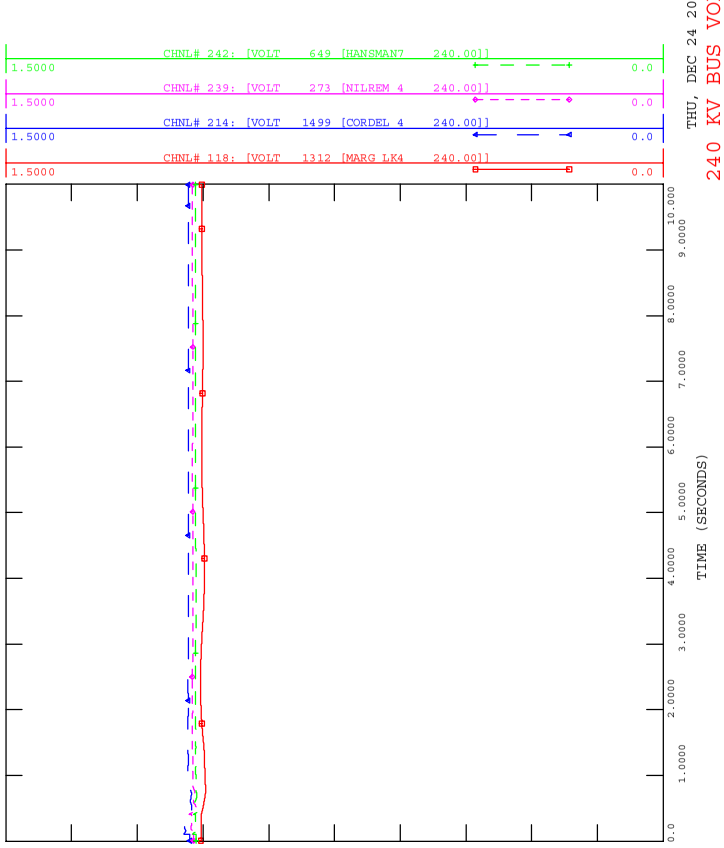


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

240 KV BUS VOLTAGES

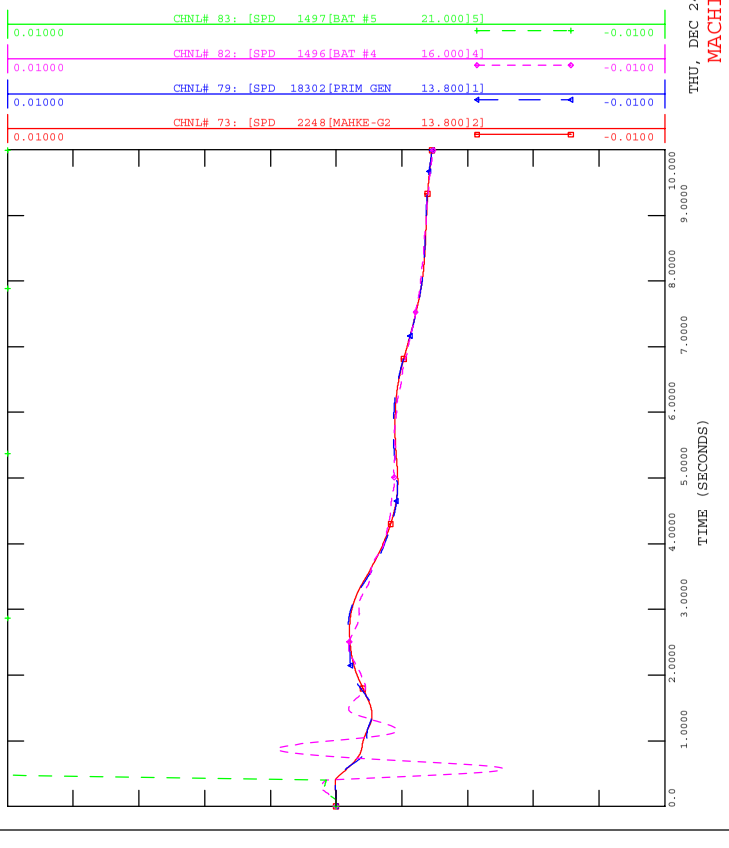


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

MACHINE SPEED

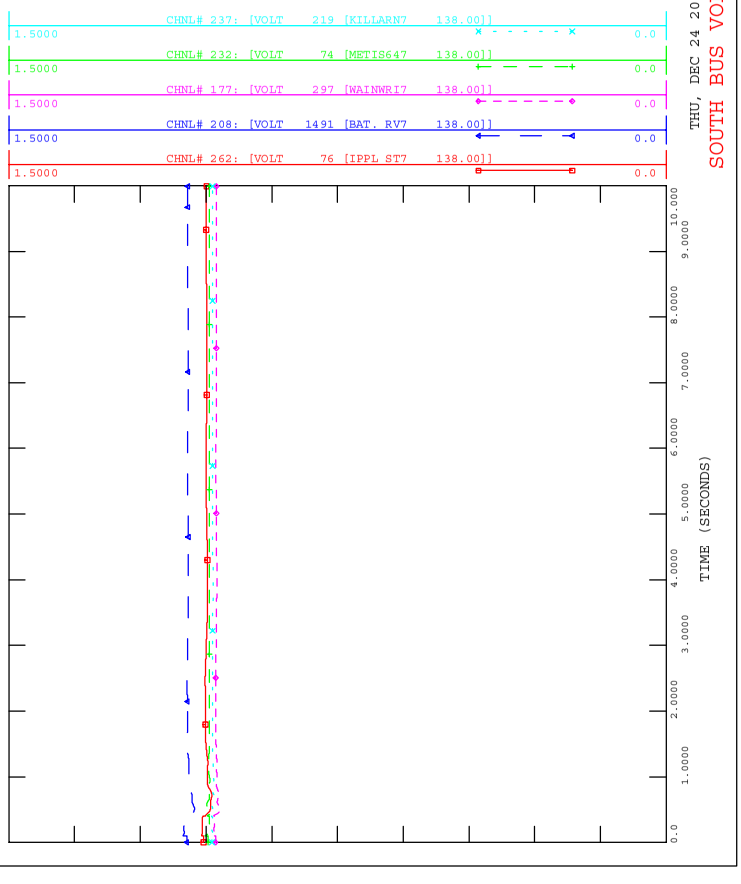


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

SOUTH BUS VOLTAGES

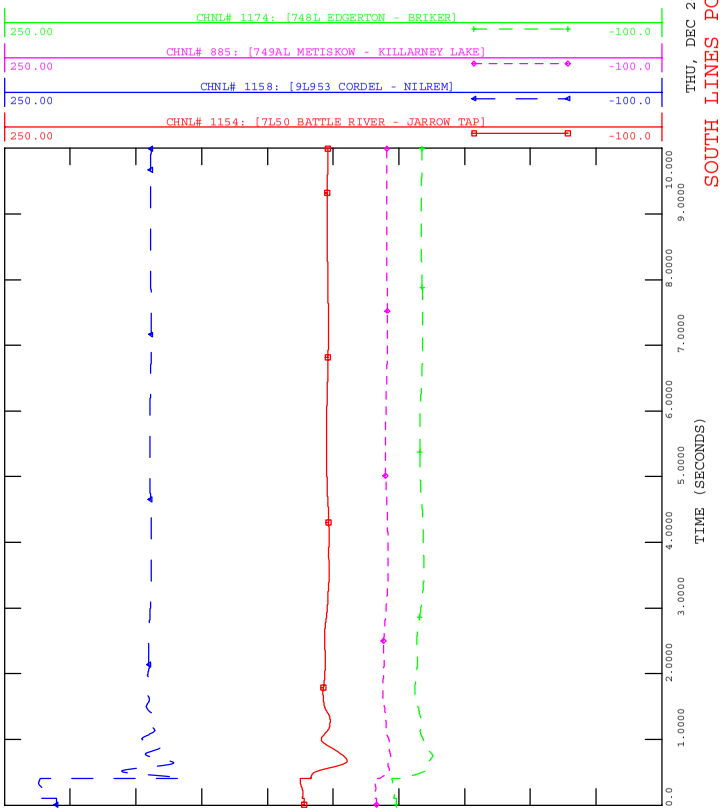


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES POWER FLOW

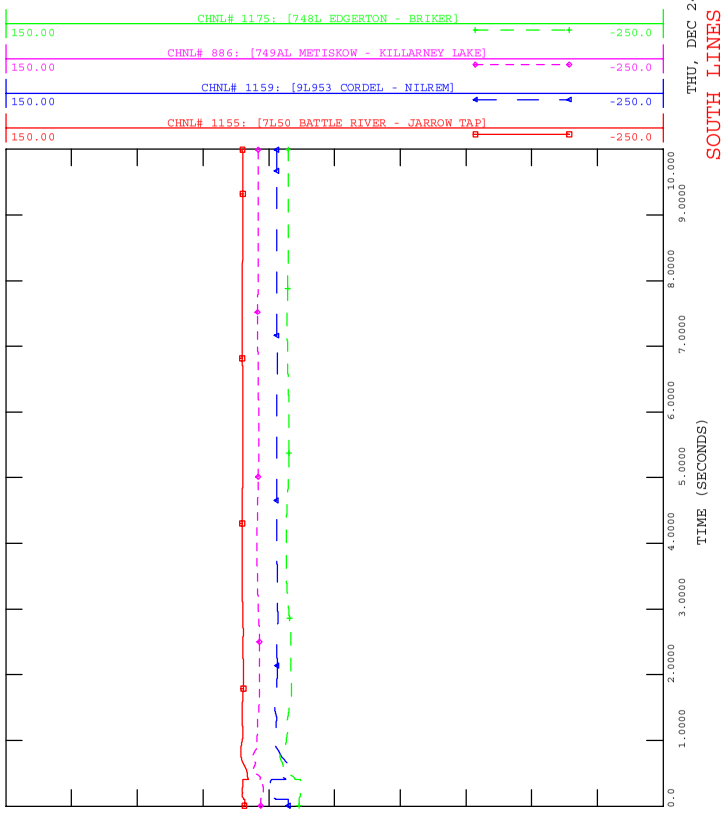


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

SOUTH LINES VAR FLOW

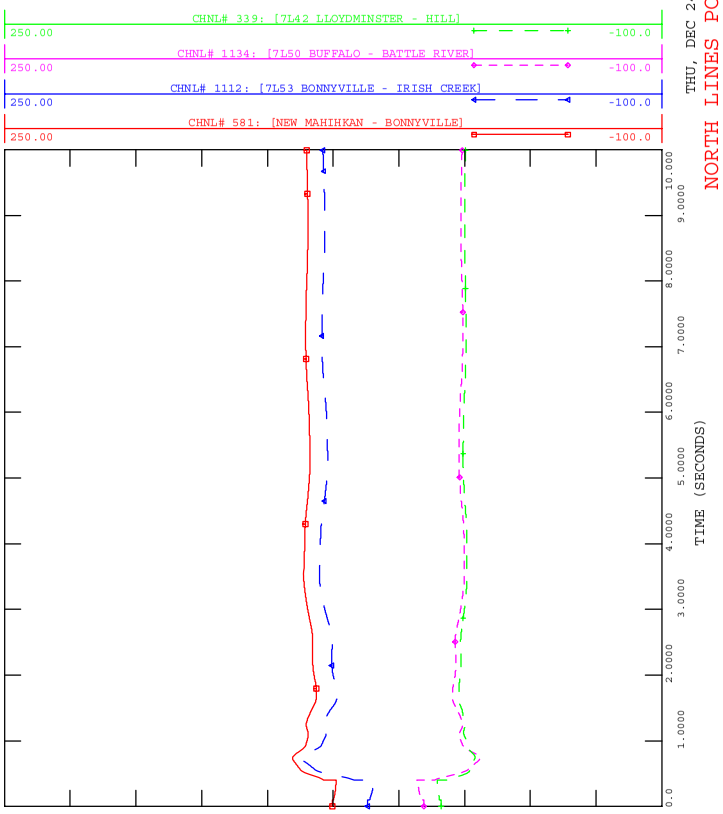


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

NORTH LINES POWER FLOW

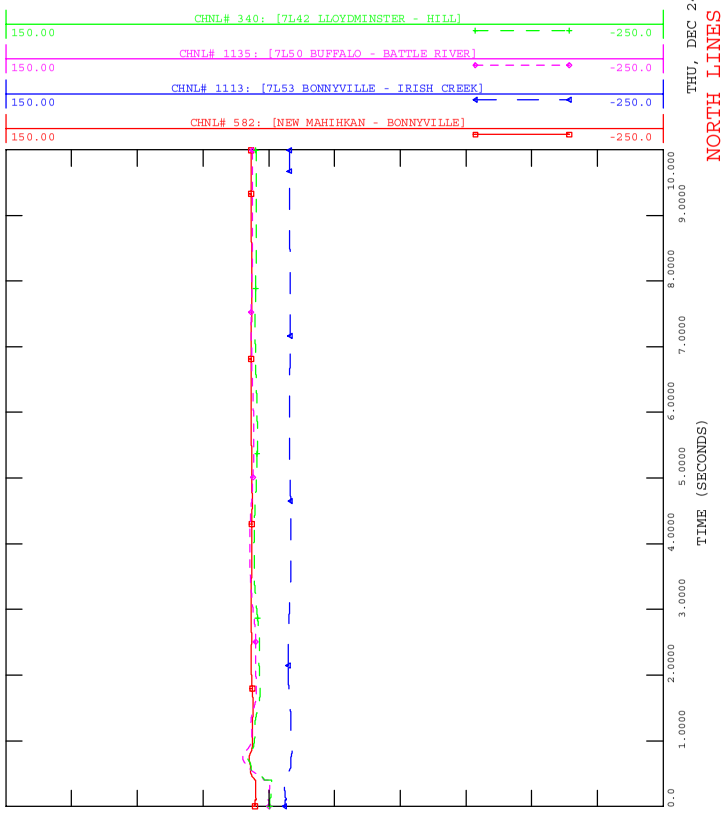


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

NORTH LINES VAR FLOW

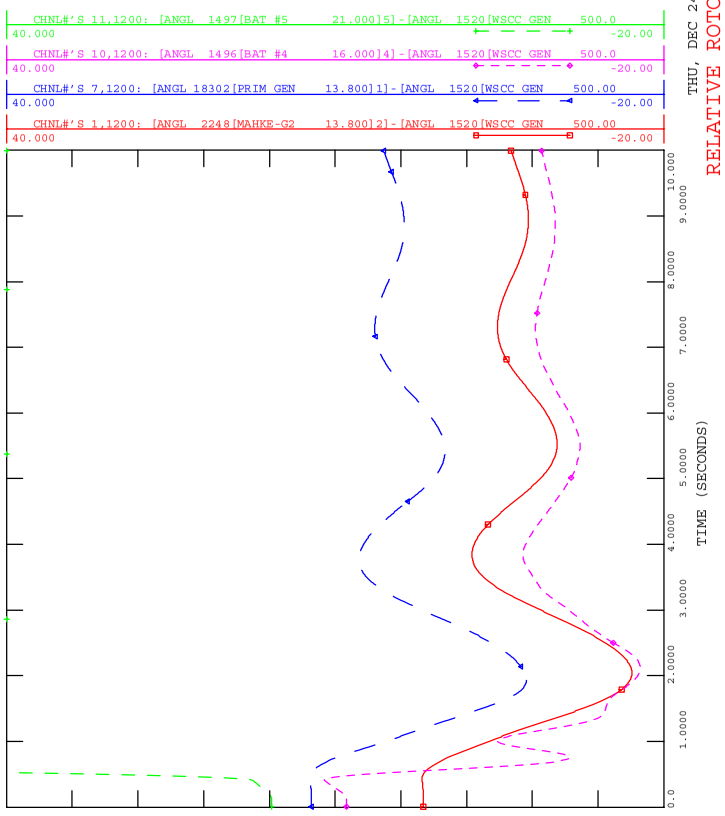


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

RELATIVE ROTOR ANGLES

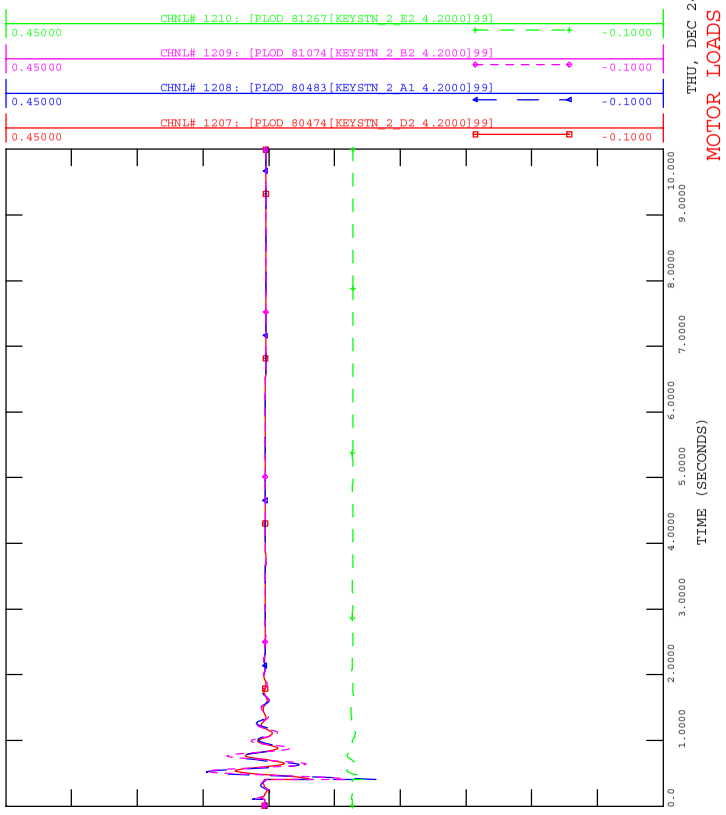


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP II

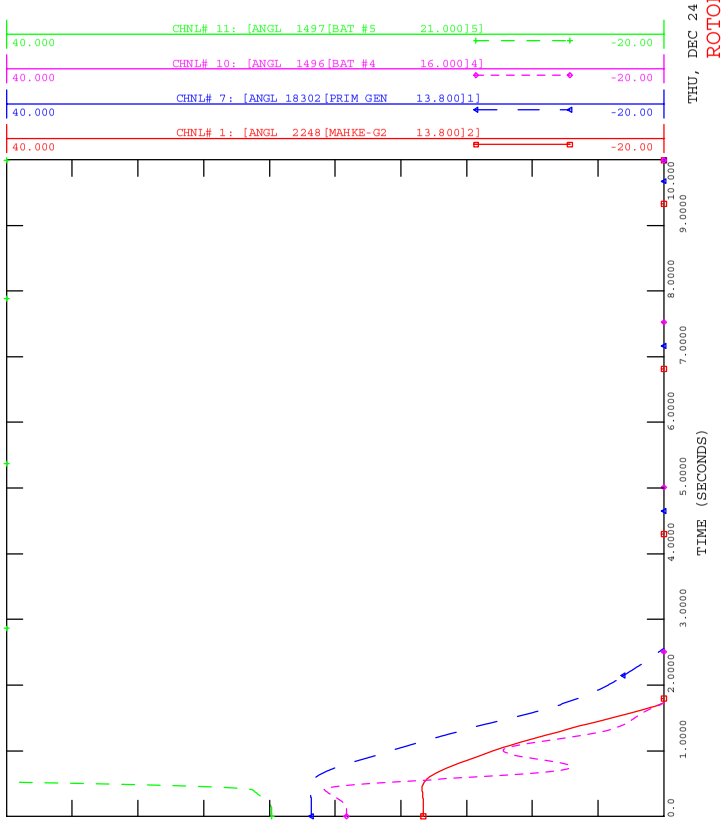


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out

THU, DEC 24 2009 8:11

ROTOR ANGLES

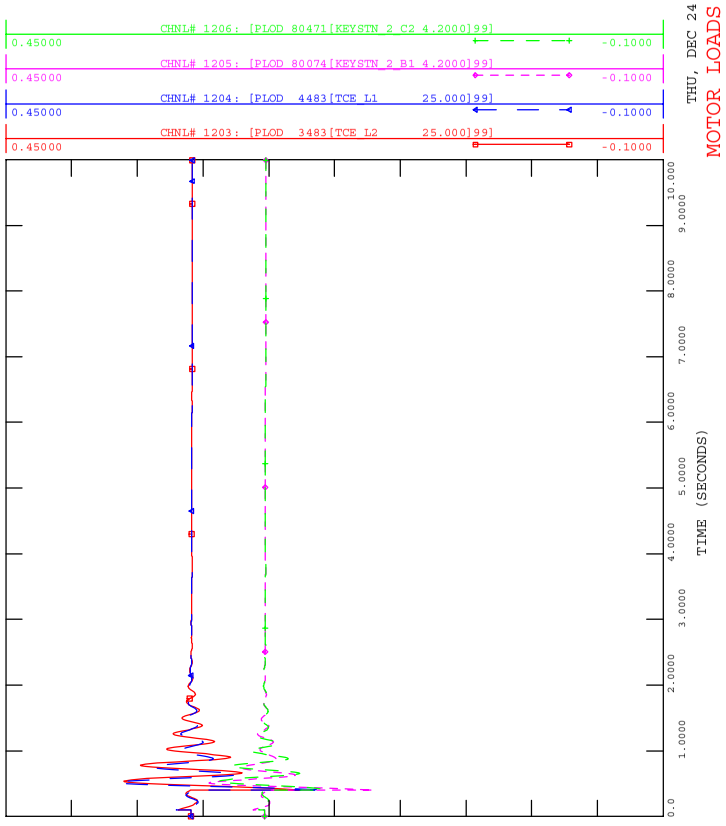


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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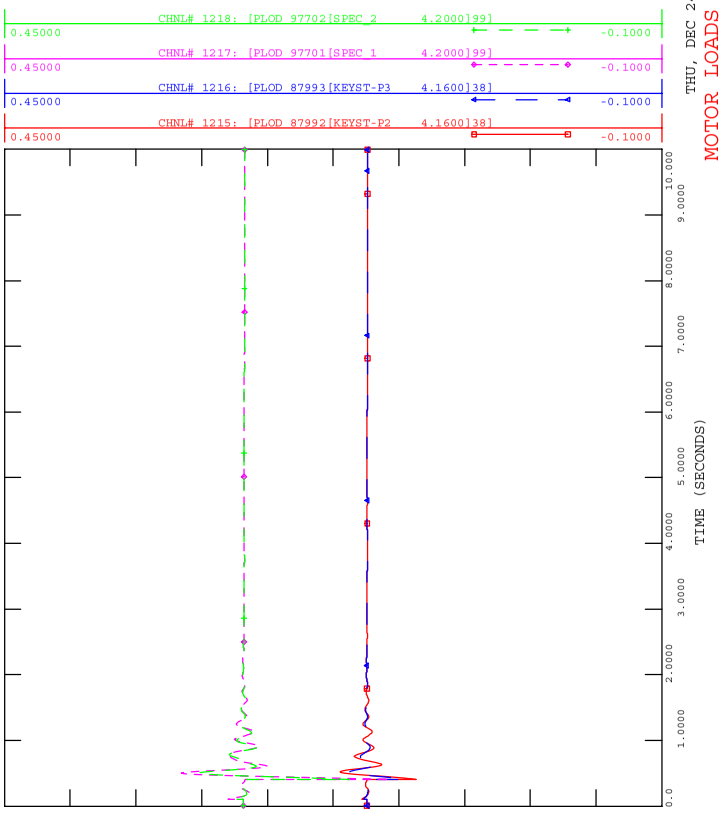
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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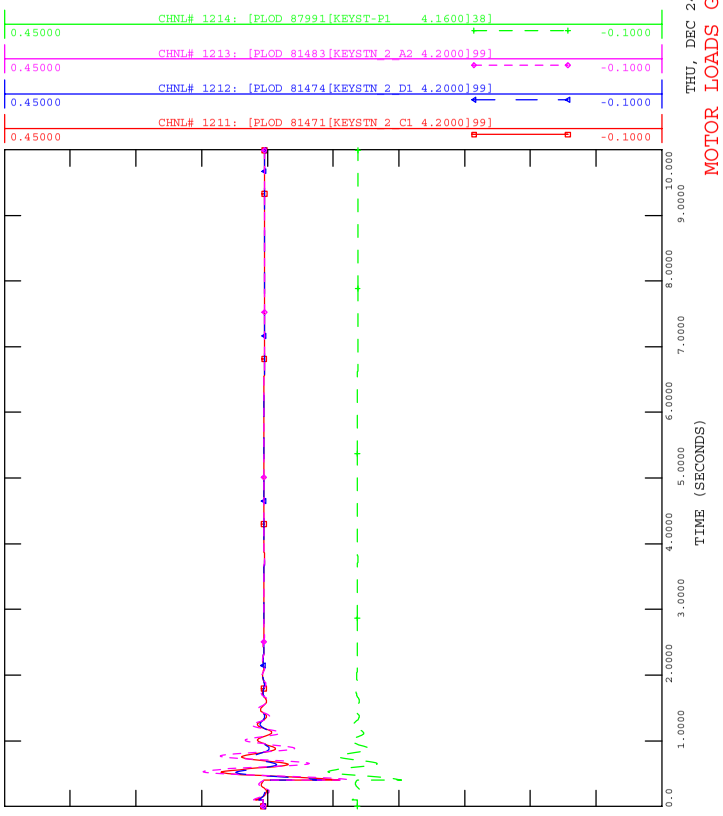


THU, DEC 24 2009 8:12

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-6Fault.out



THU, DEC 24 2009 8:12

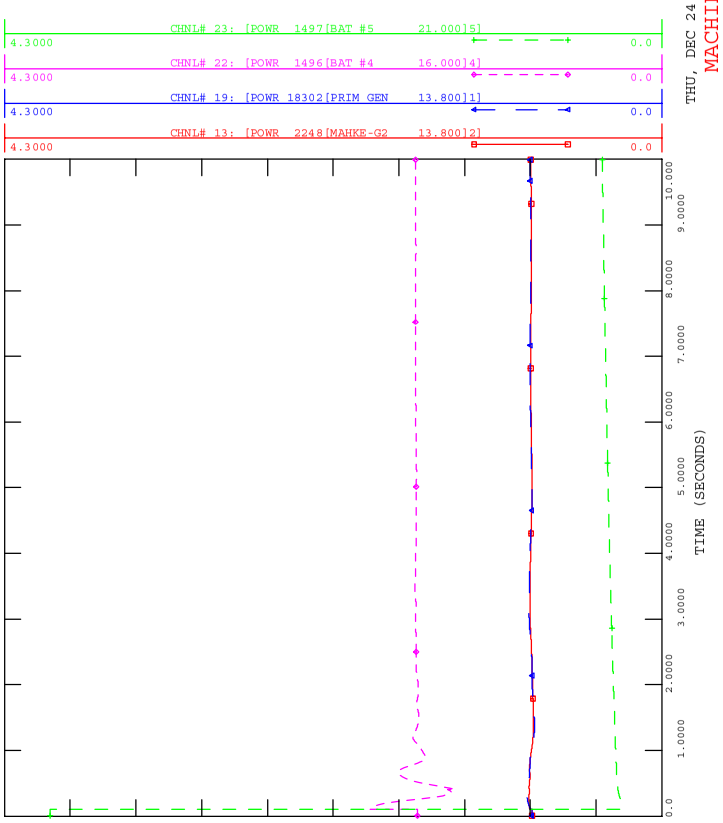
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

MACHINE POWER

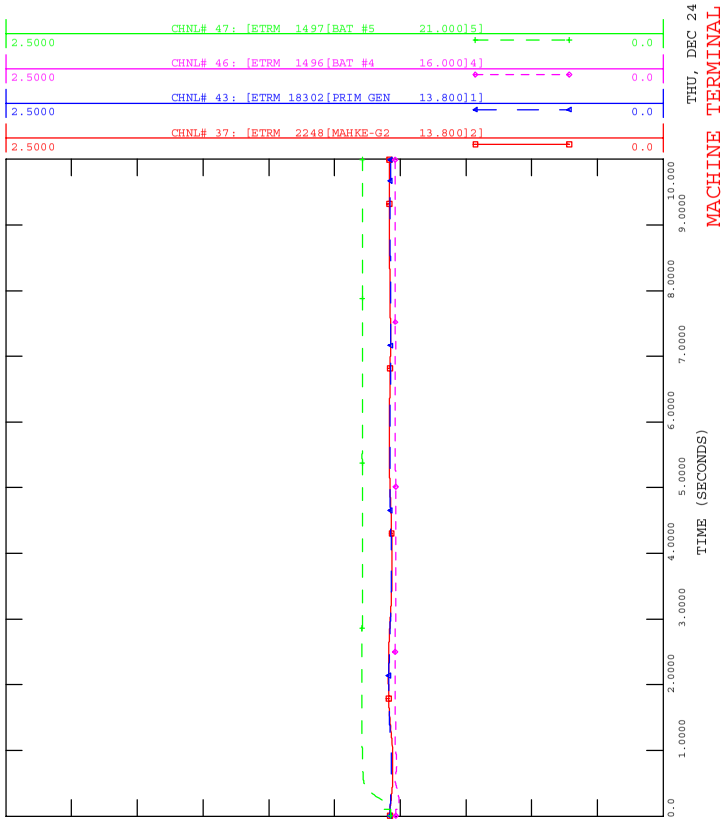


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

MACHINE TERMINAL VOLTAGE

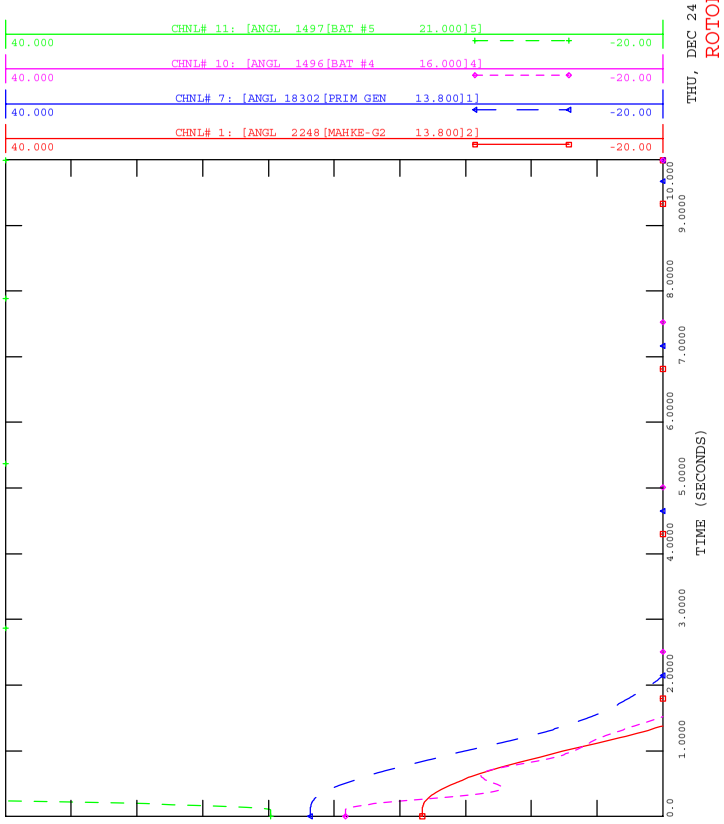


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

ROTOR ANGLES

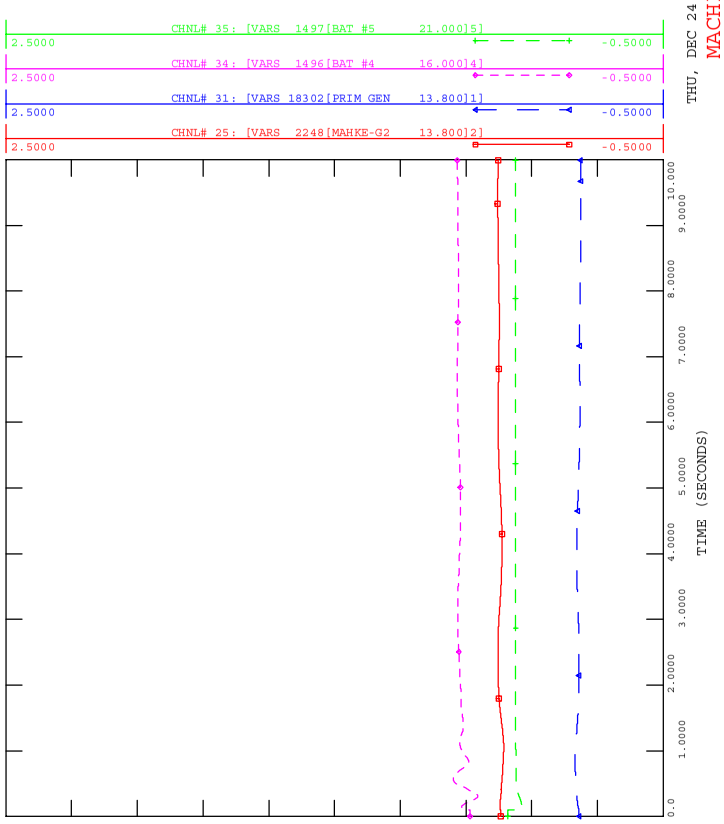


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

MACHINE VARS

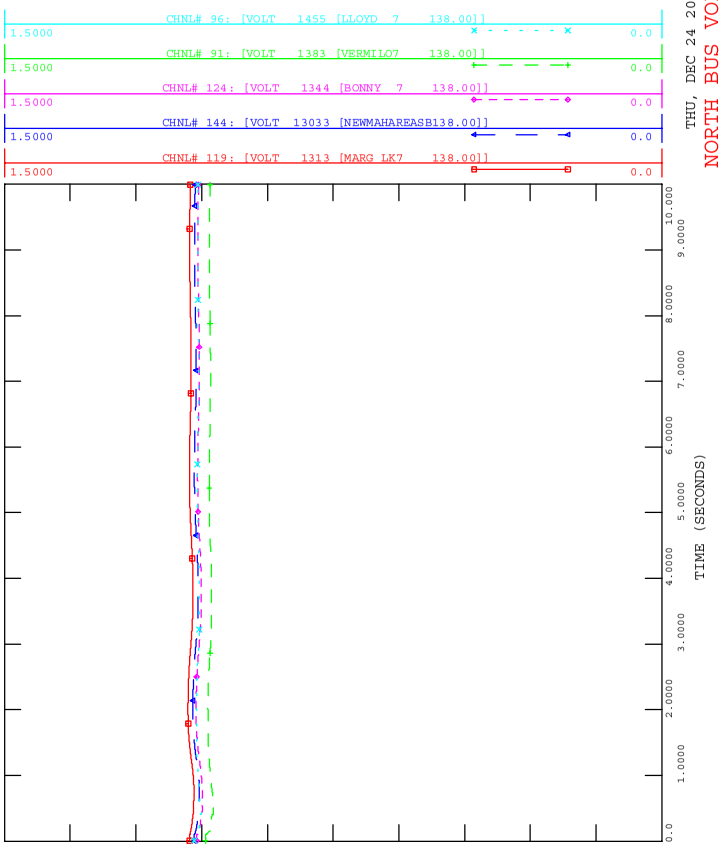


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

NORTH BUS VOLTAGES

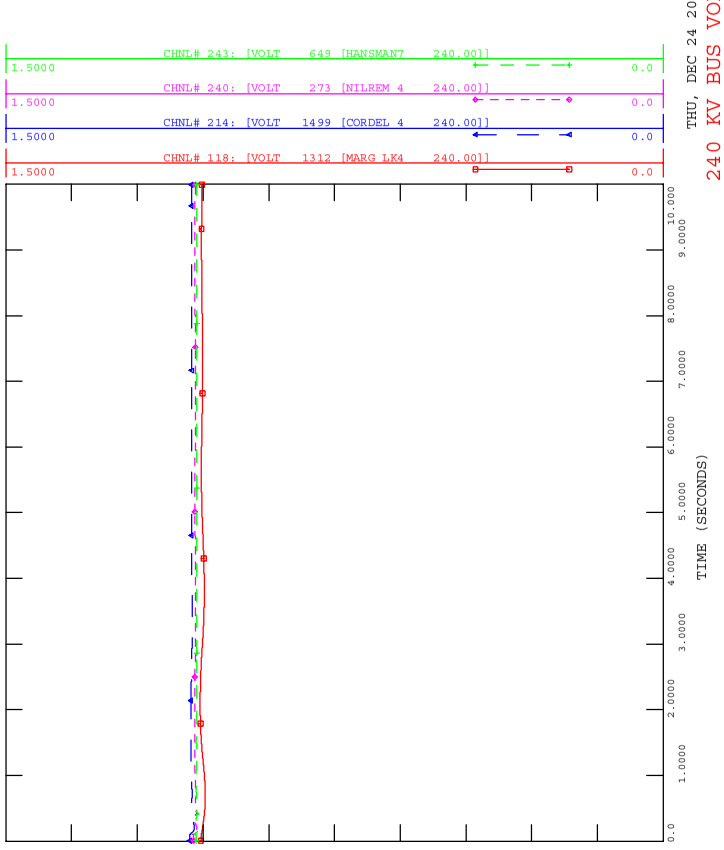


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

240 KV BUS VOLTAGES

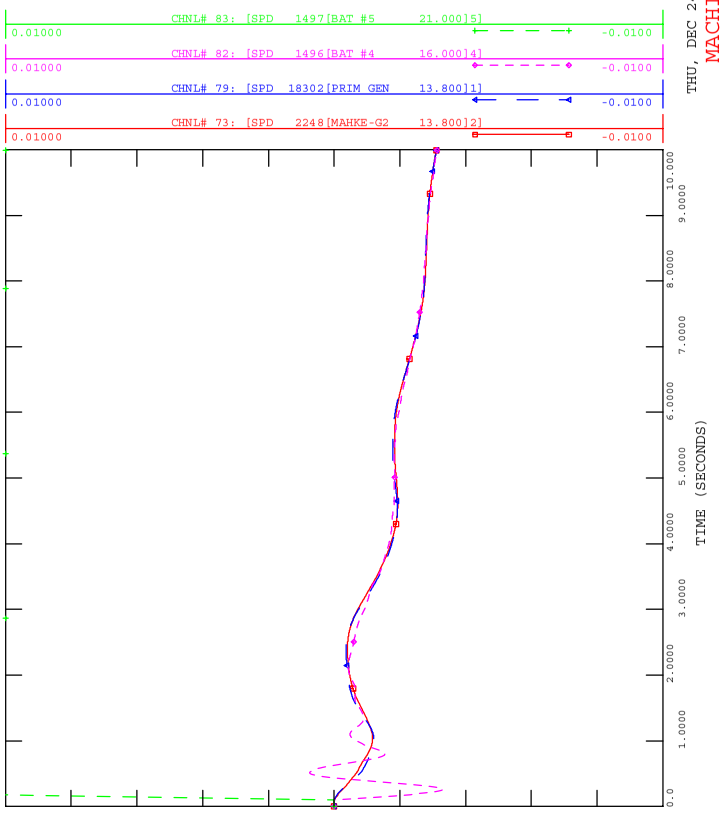


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

MACHINE SPEED

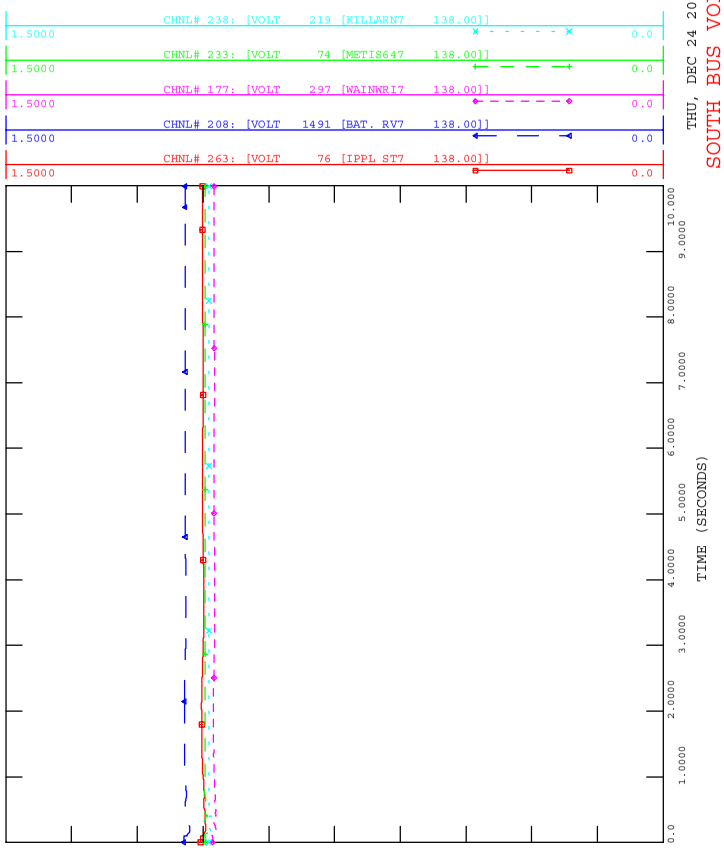


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

SOUTH BUS VOLTAGES

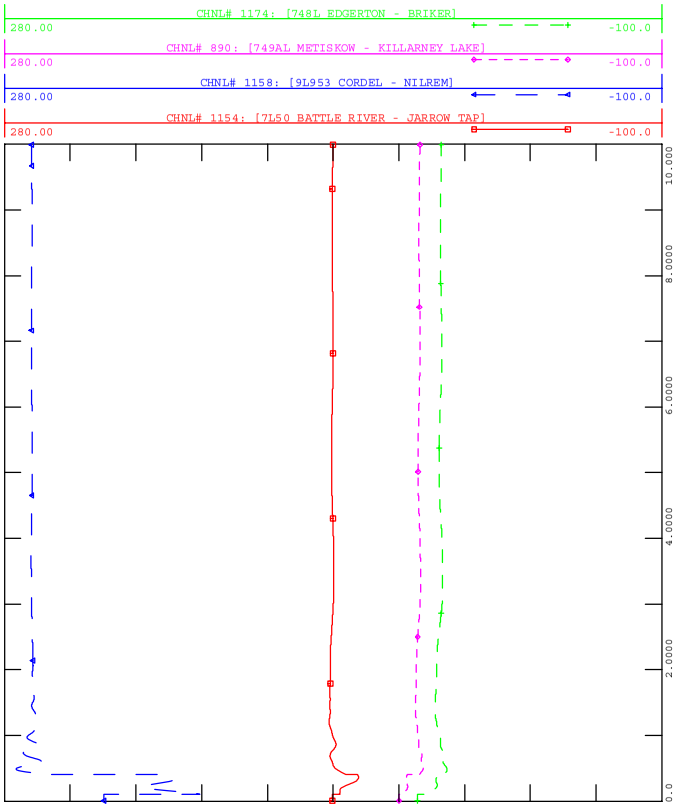


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

SOUTH LINES POWER FLOW

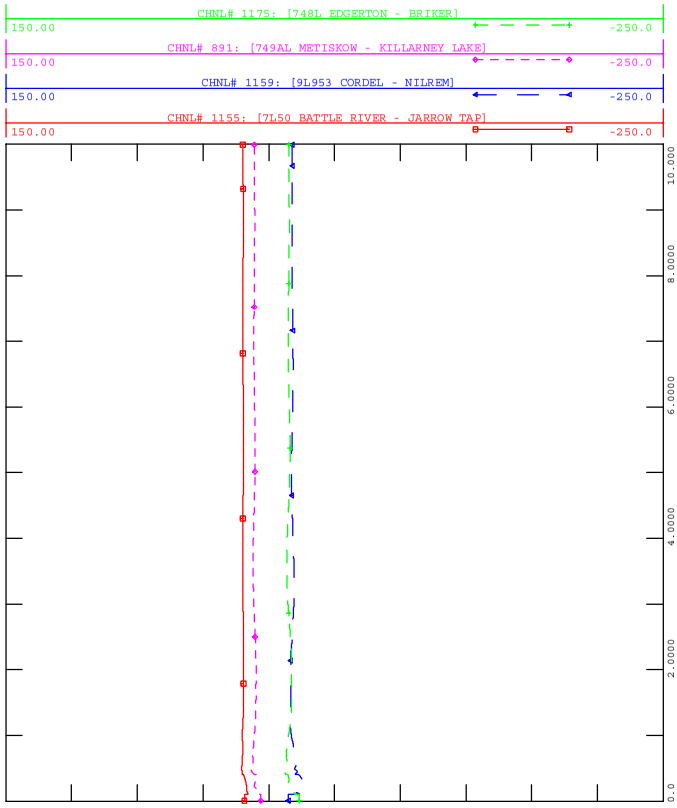


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

SOUTH LINES VAR FLOW

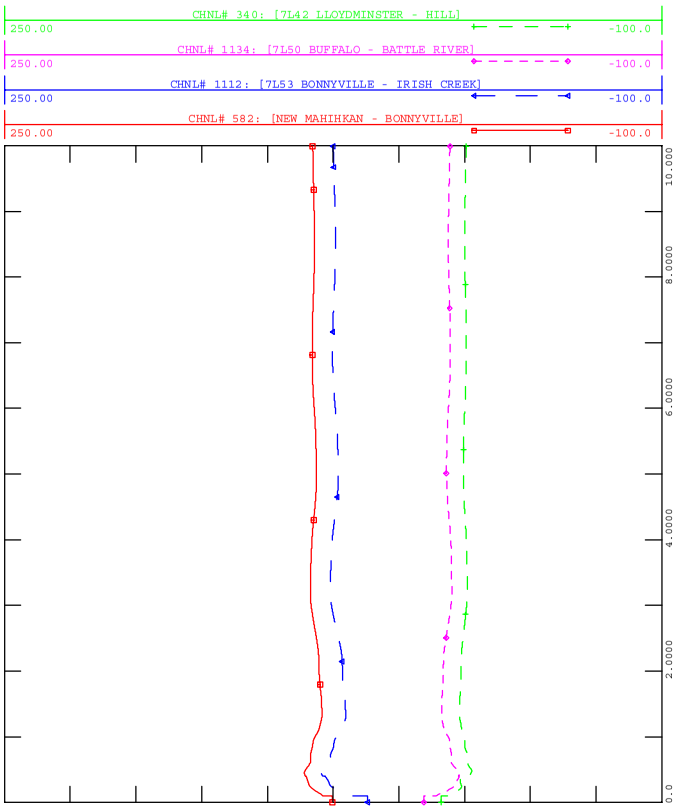


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

NORTH LINES POWER FLOW

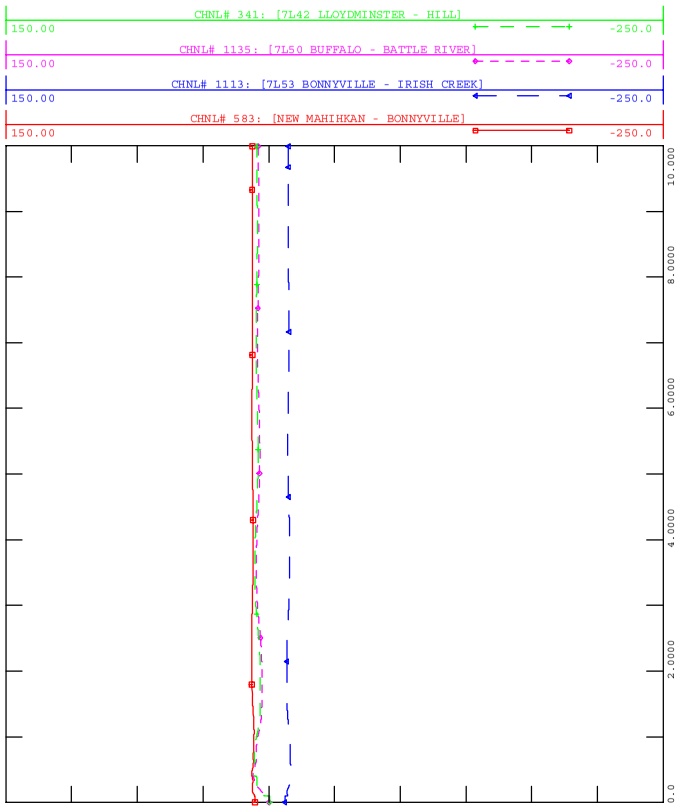


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

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NORTH LINES VAR FLOW

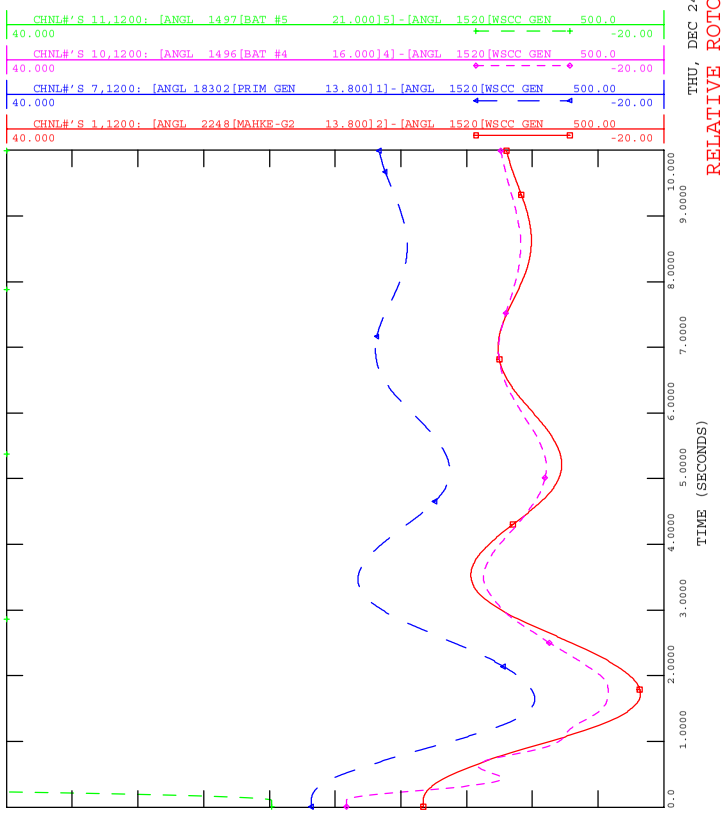


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

RELATIVE ROTOR ANGLES

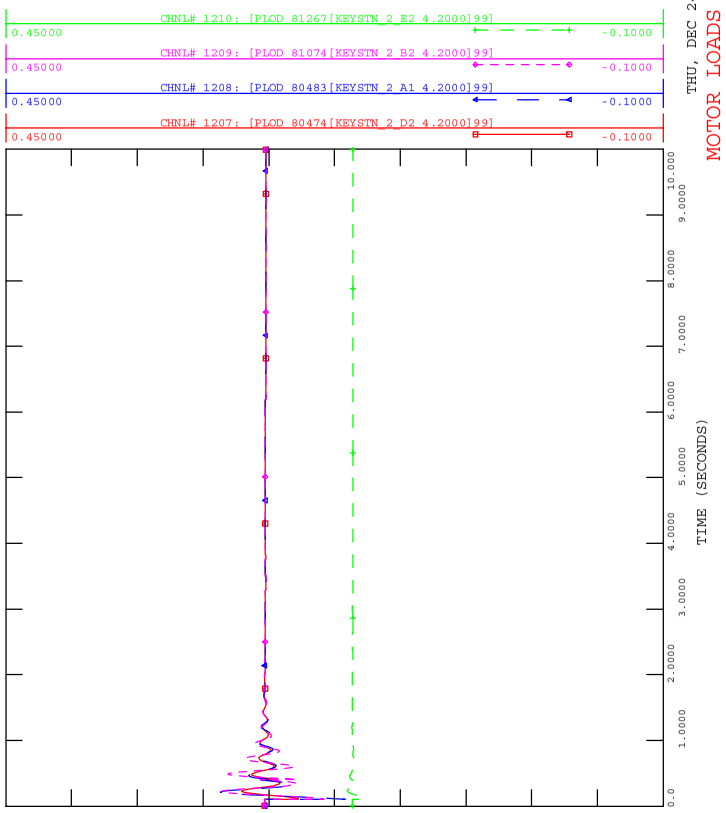


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP II

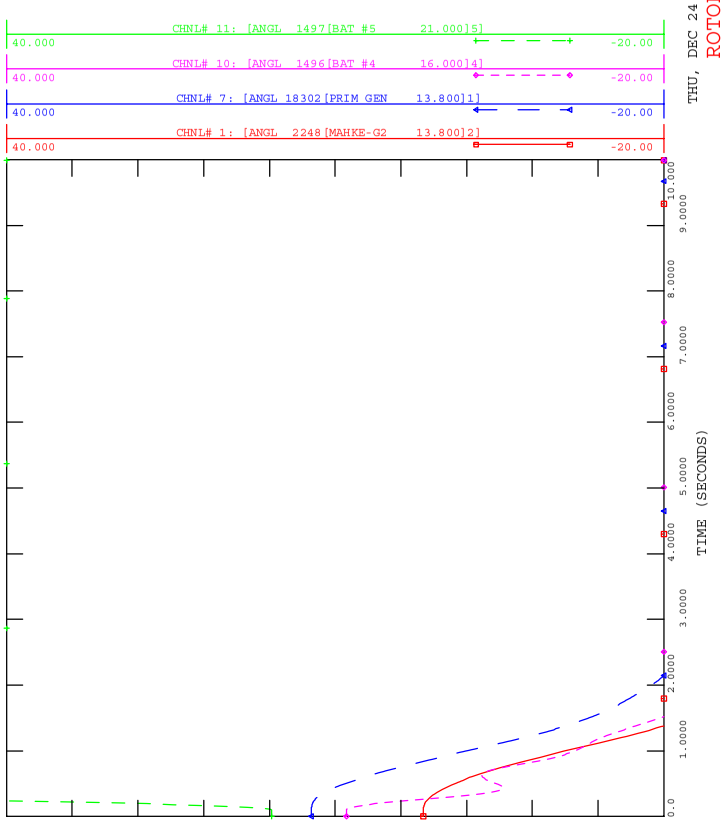


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

THU, DEC 24 2009 8:12

ROTOR ANGLES

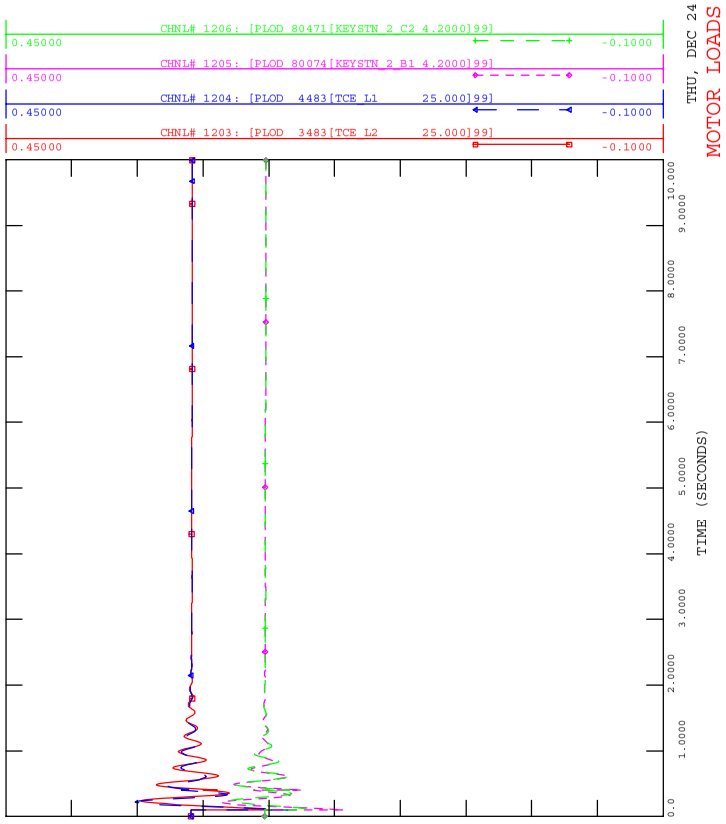


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

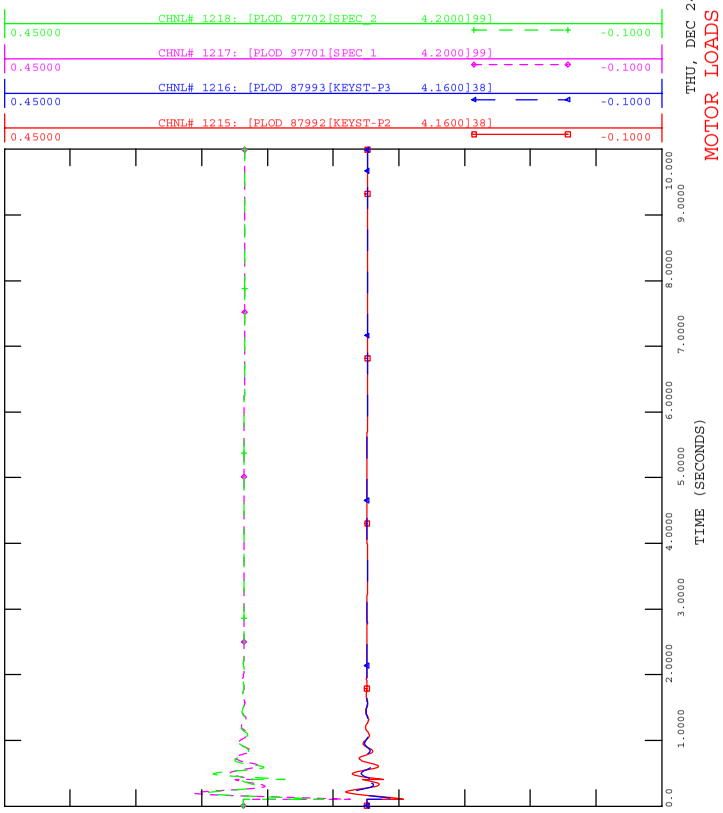
THU, DEC 24 2009 8:12

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out

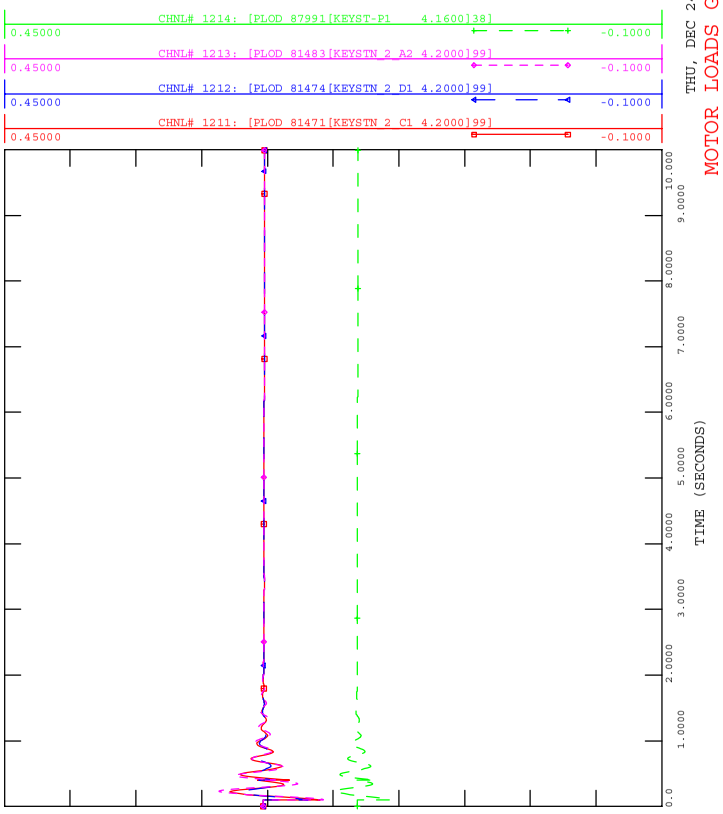


THU, DEC 24 2009 8:12

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-7Fault.out



THU, DEC 24 2009 8:12

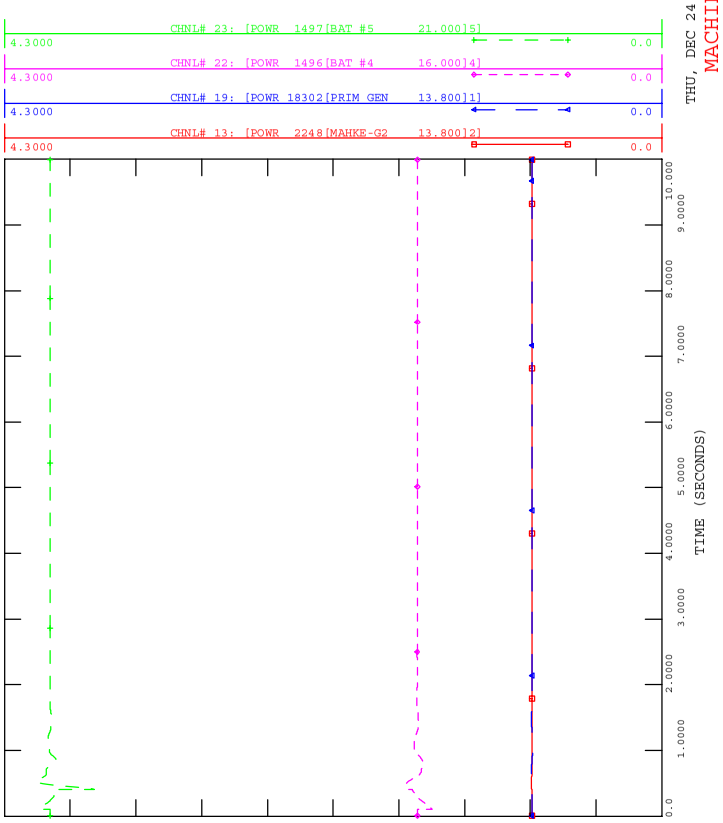
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

MACHINE POWER

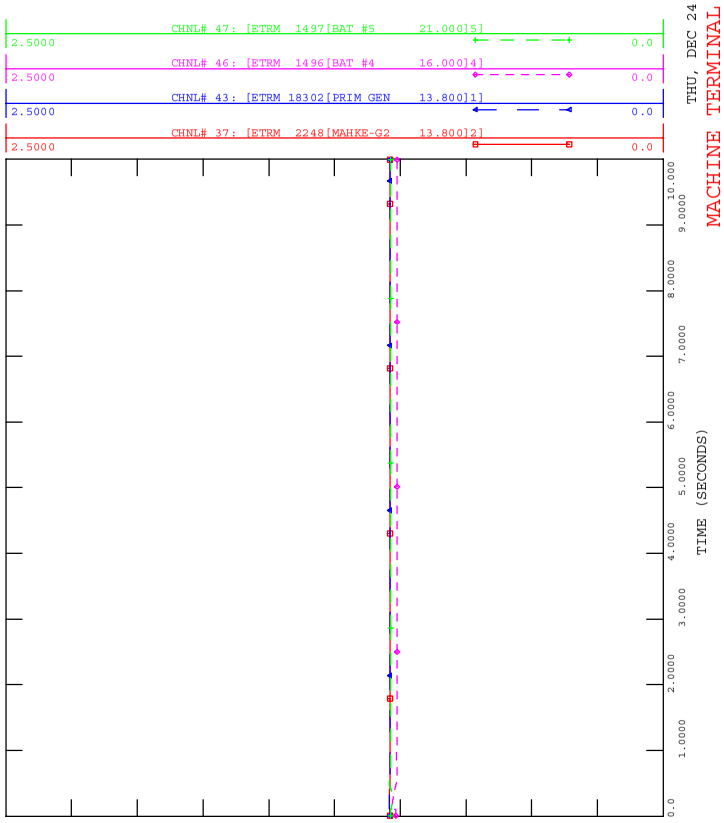


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

MACHINE TERMINAL VOLTAGE

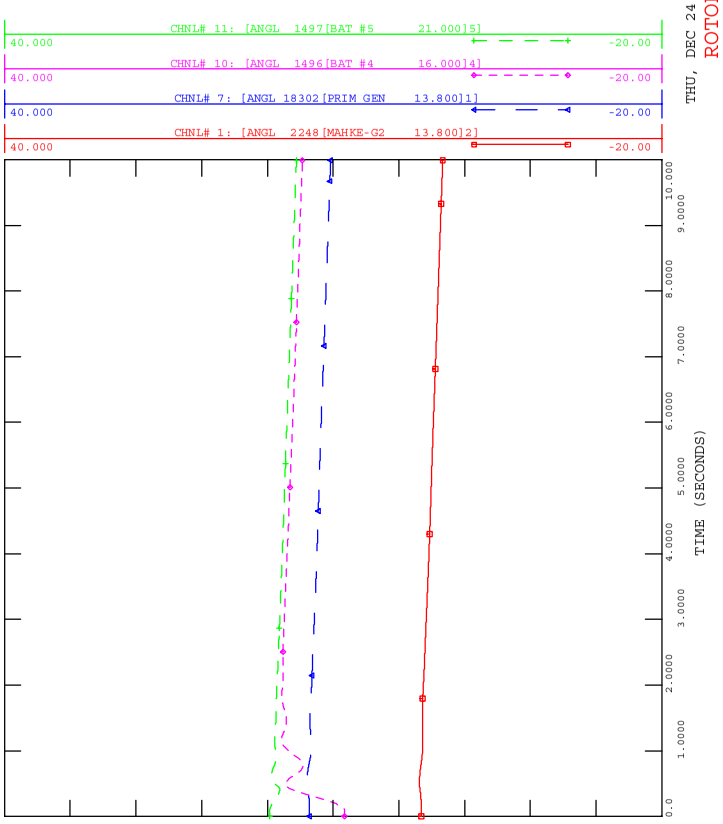


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

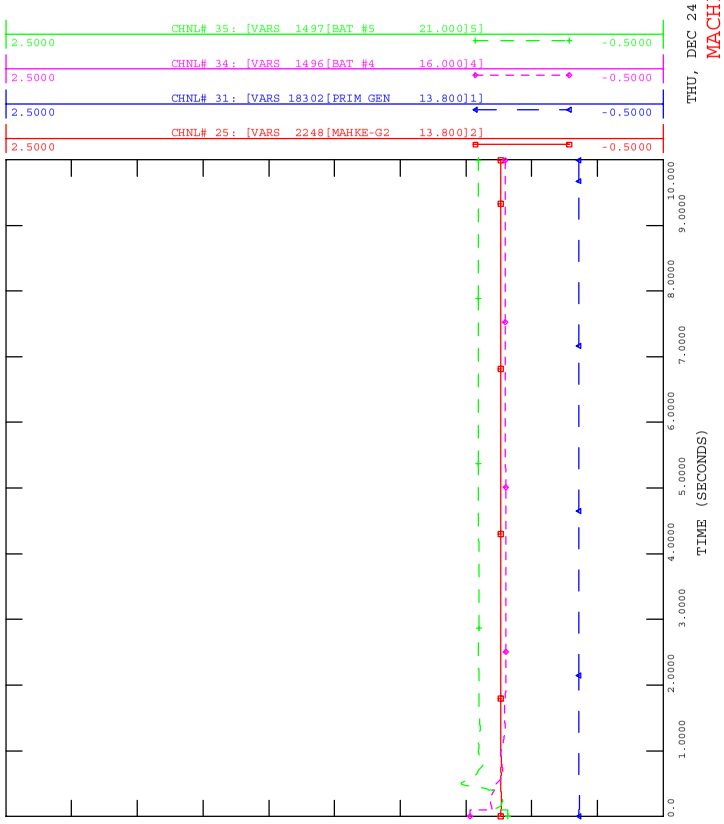


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

MACHINE VARS

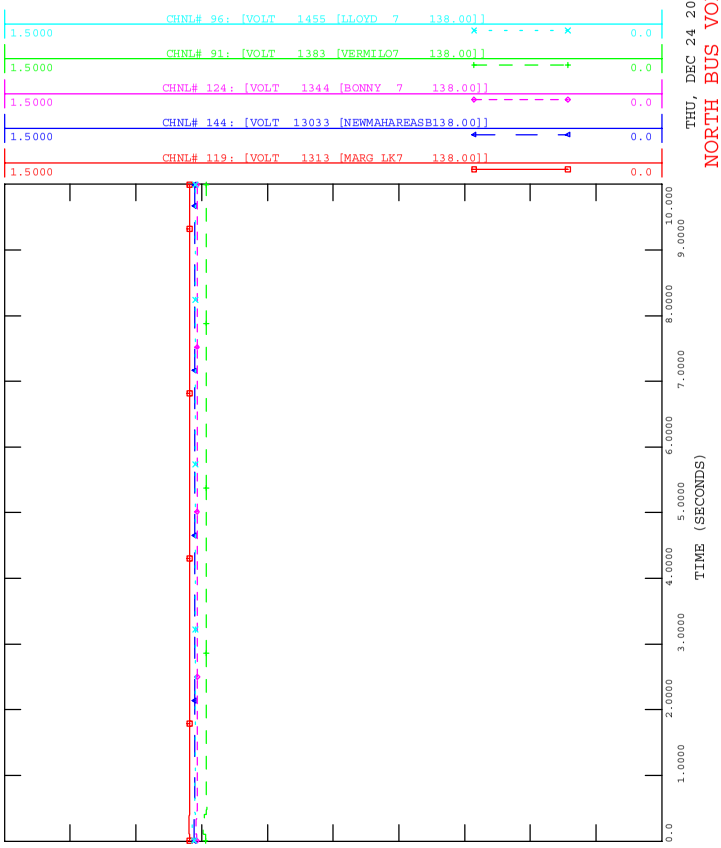


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

NORTH BUS VOLTAGES

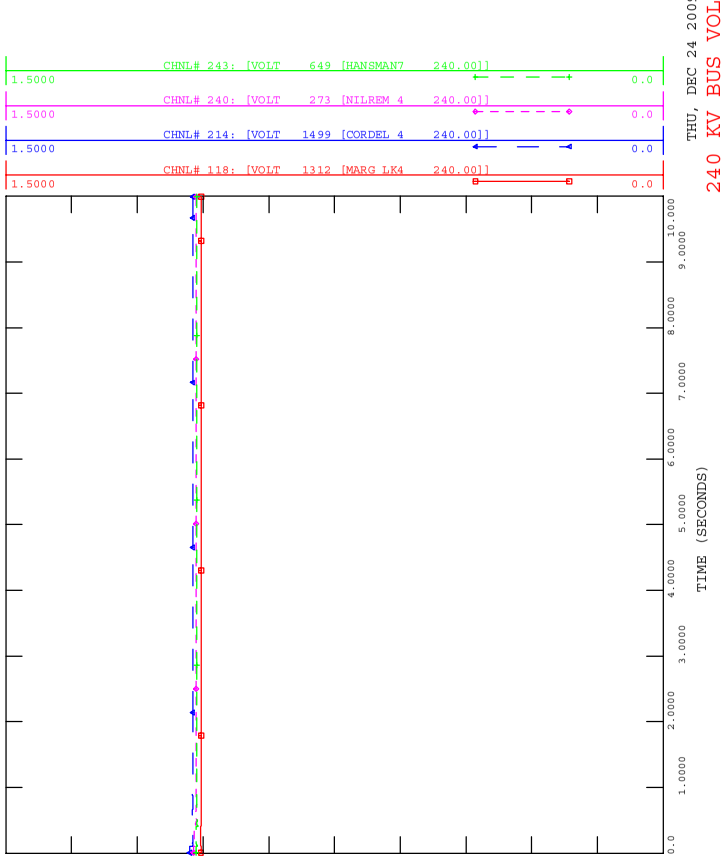


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

240 KV BUS VOLTAGES

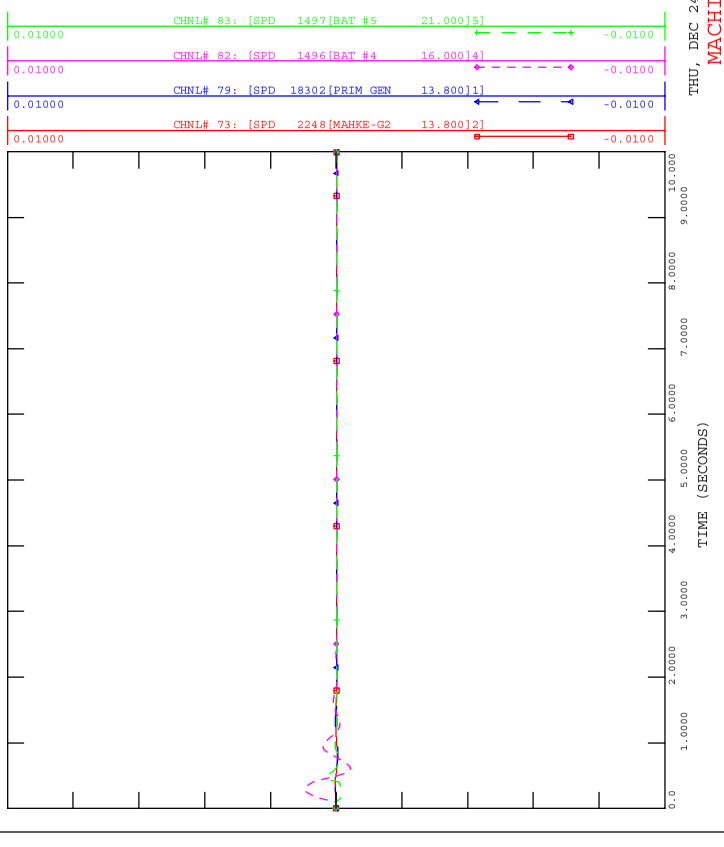


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

MACHINE SPEED

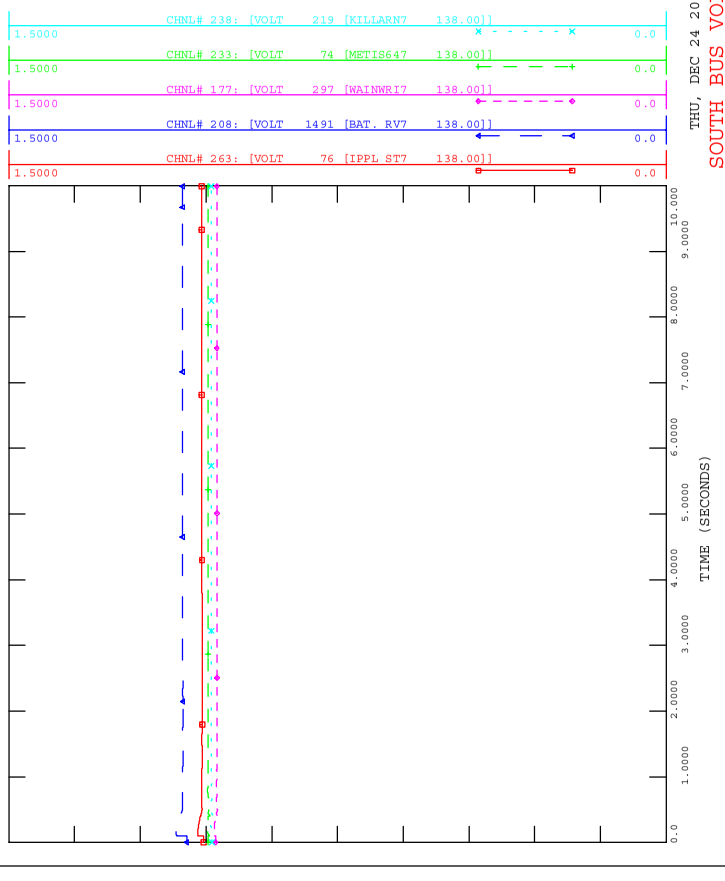


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

SOUTH BUS VOLTAGES

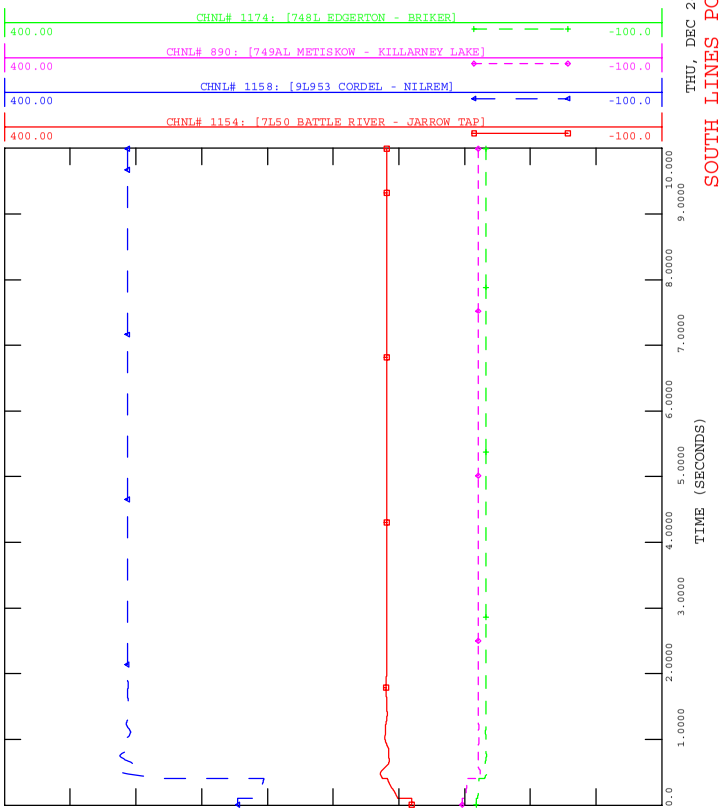


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

SOUTH LINES POWER FLOW

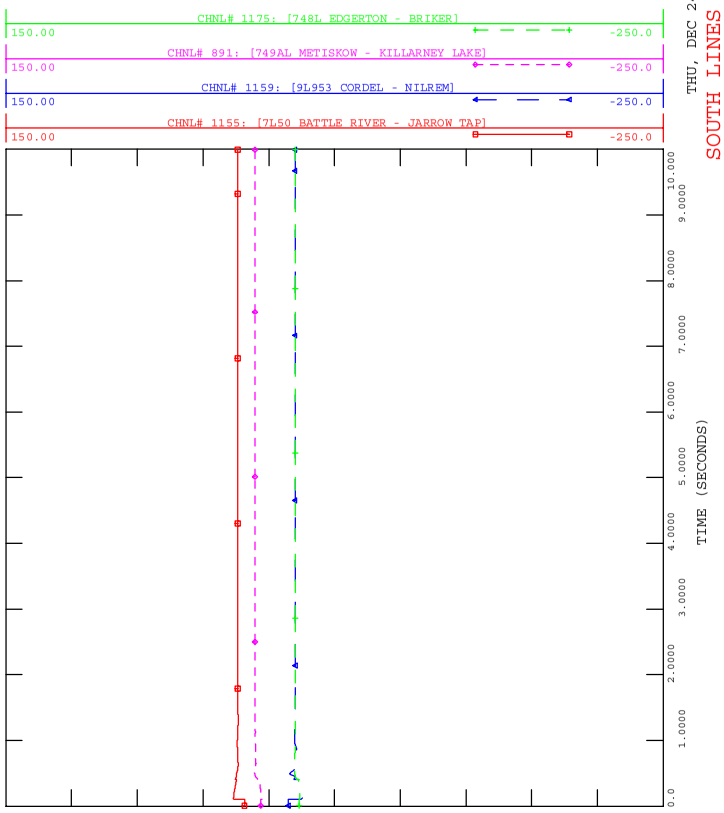


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

SOUTH LINES VAR FLOW

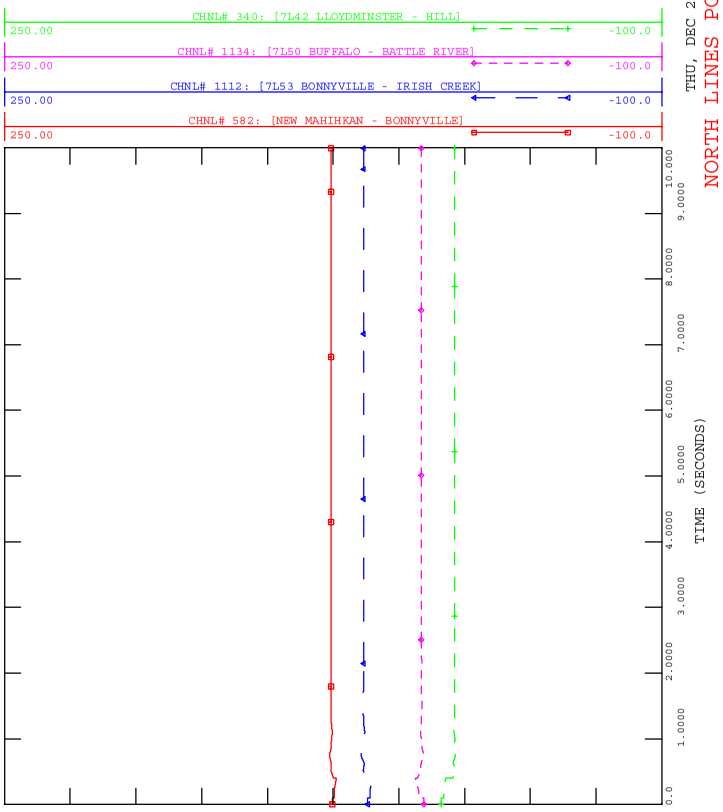


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

NORTH LINES POWER FLOW

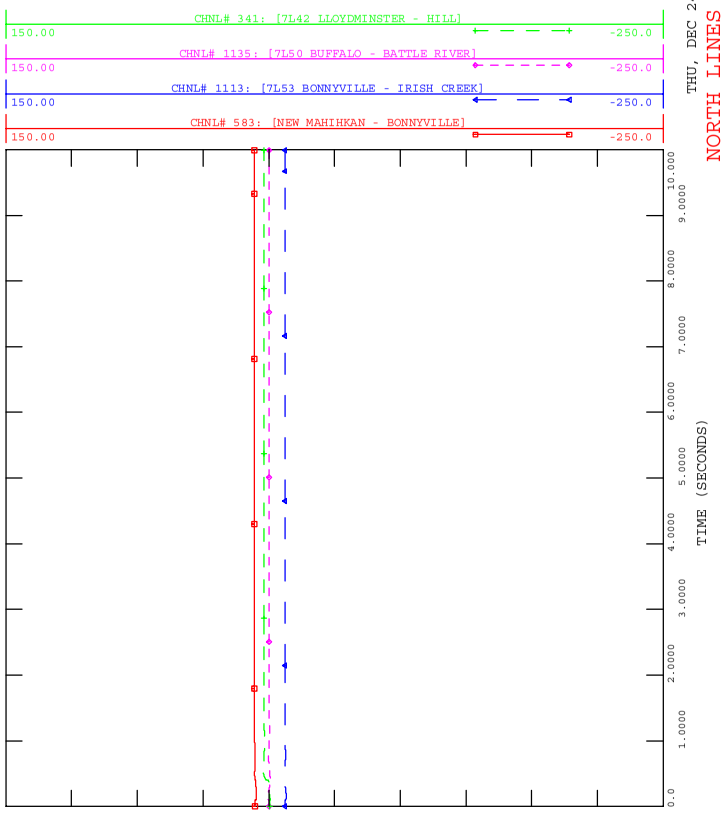


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

NORTH LINES VAR FLOW

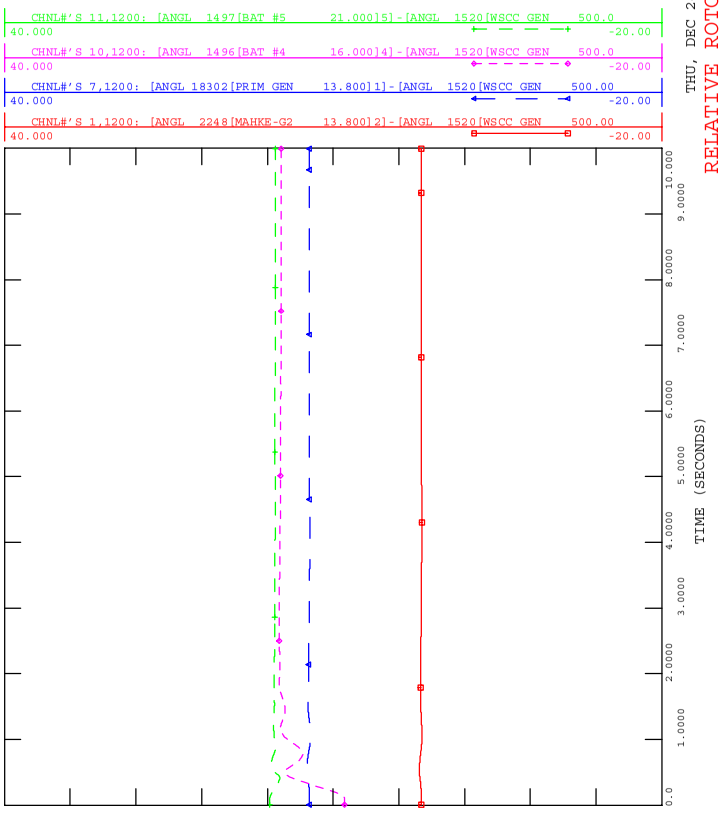


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

RELATIVE ROTOR ANGLES

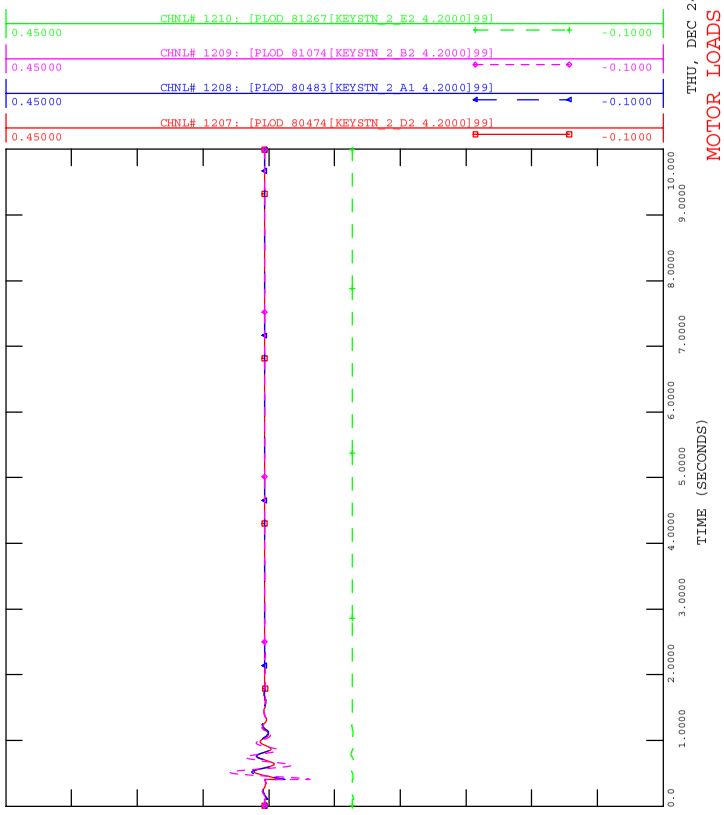


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

MOTOR LOADS GROUP II

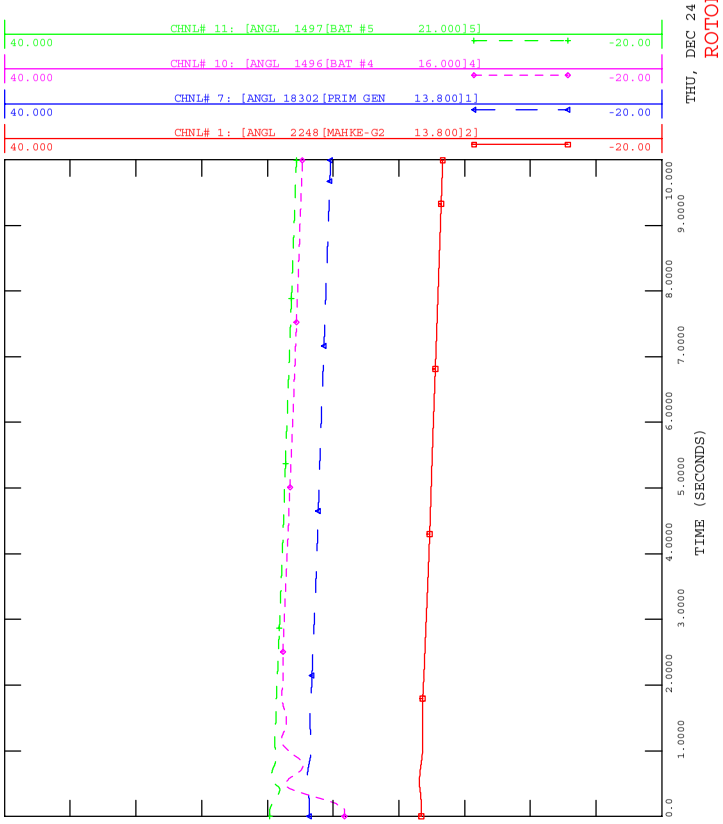


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

THU, DEC 24 2009 9:52

ROTOR ANGLES

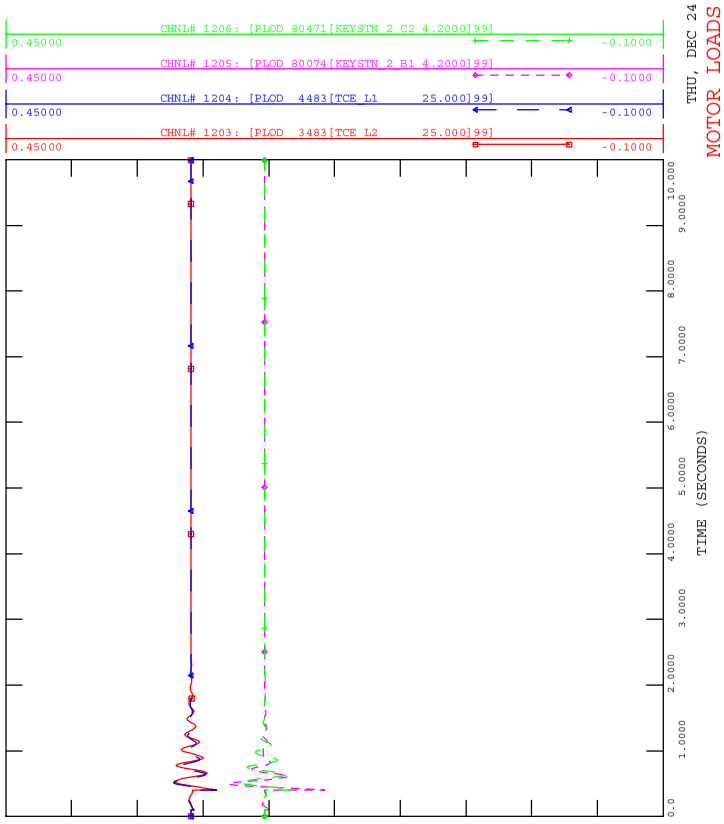


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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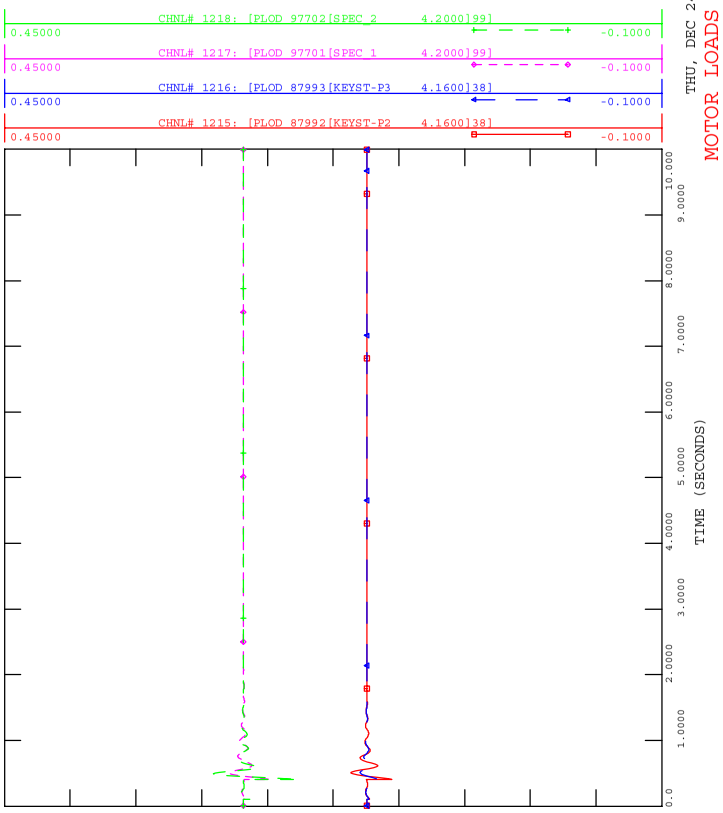
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out

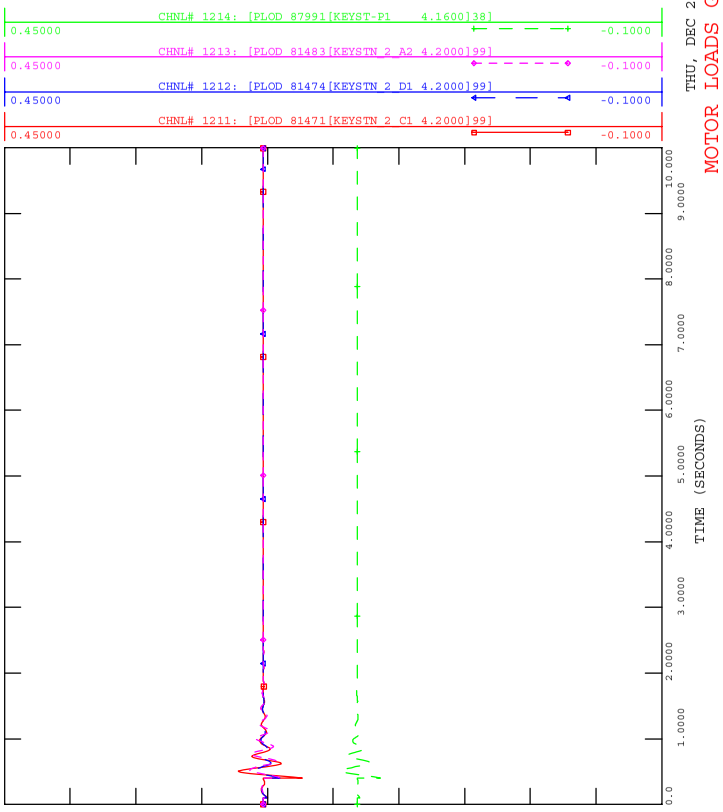


THU, DEC 24 2009 9:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-8Fault.out



THU, DEC 24 2009 9:52

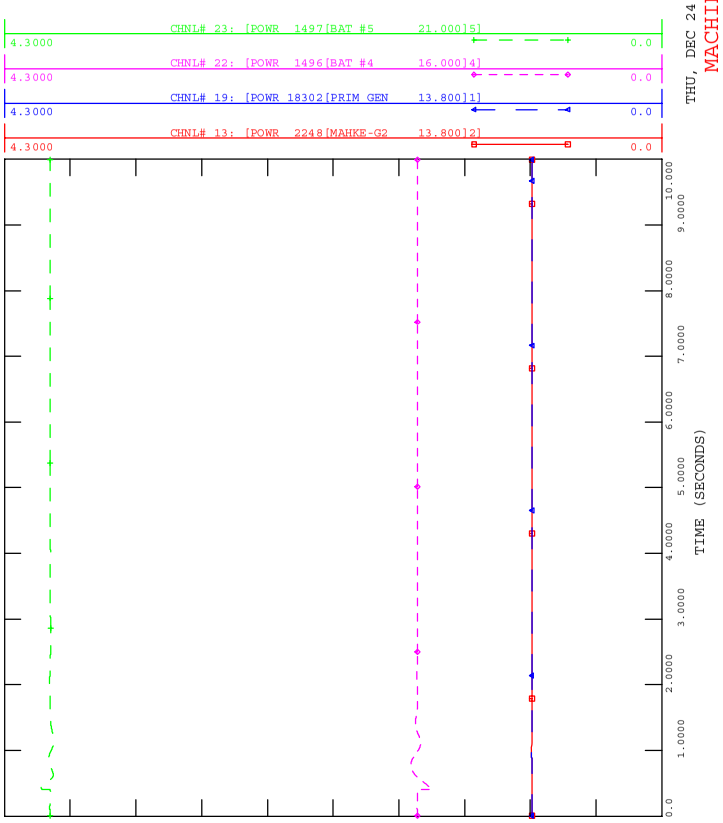
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MACHINE POWER

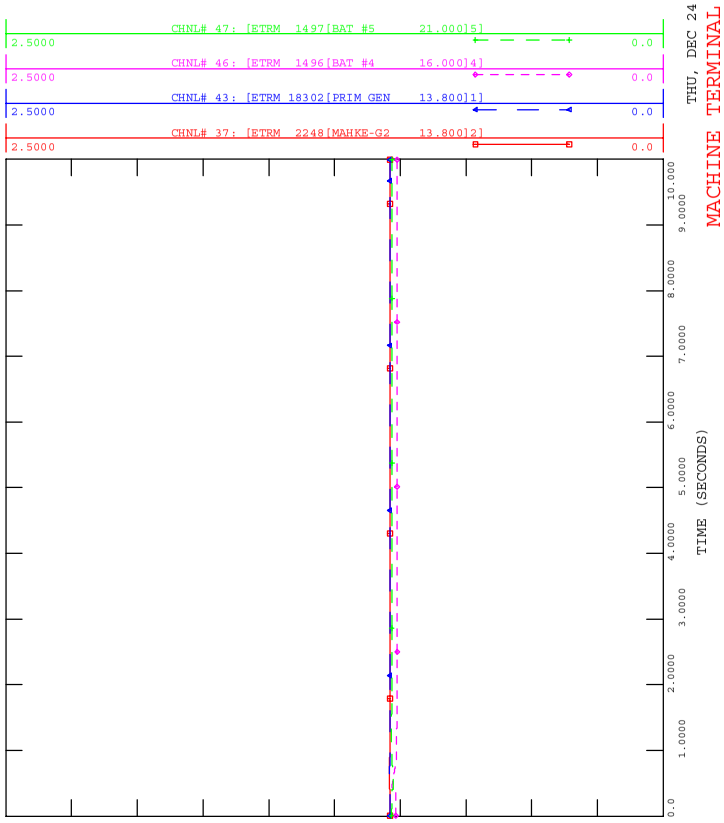


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MACHINE TERMINAL VOLTAGE

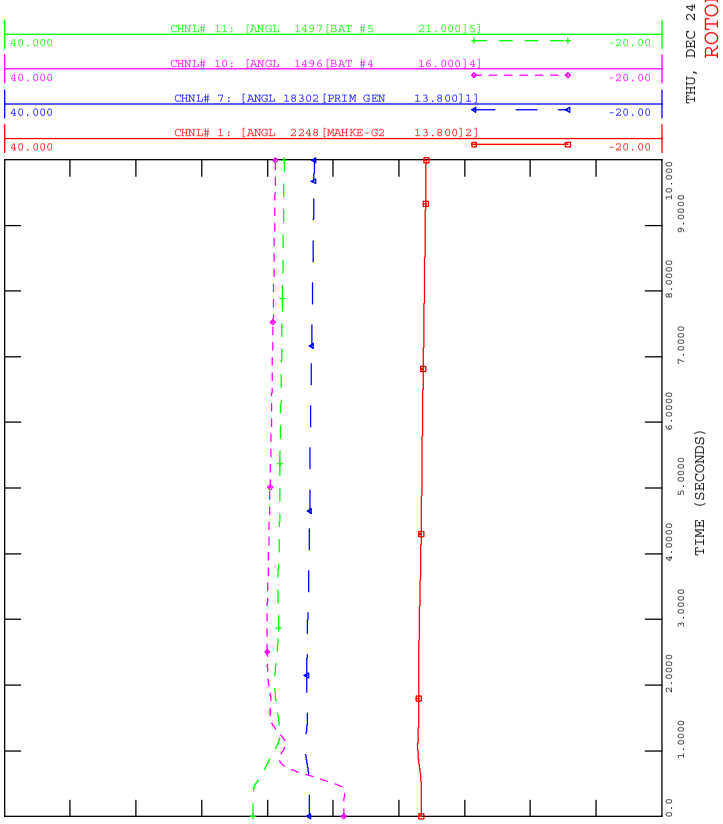


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

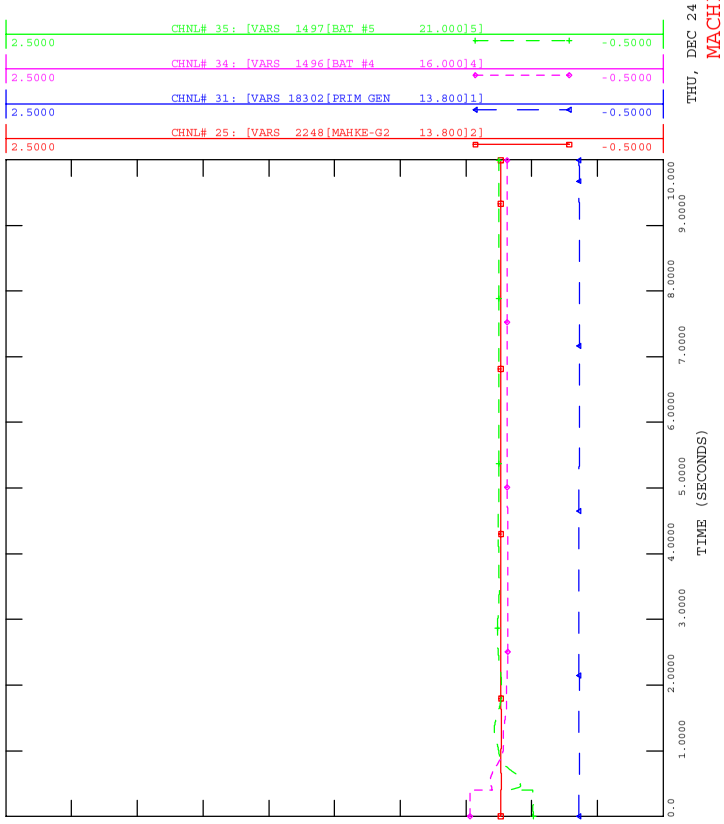


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MACHINE VARS

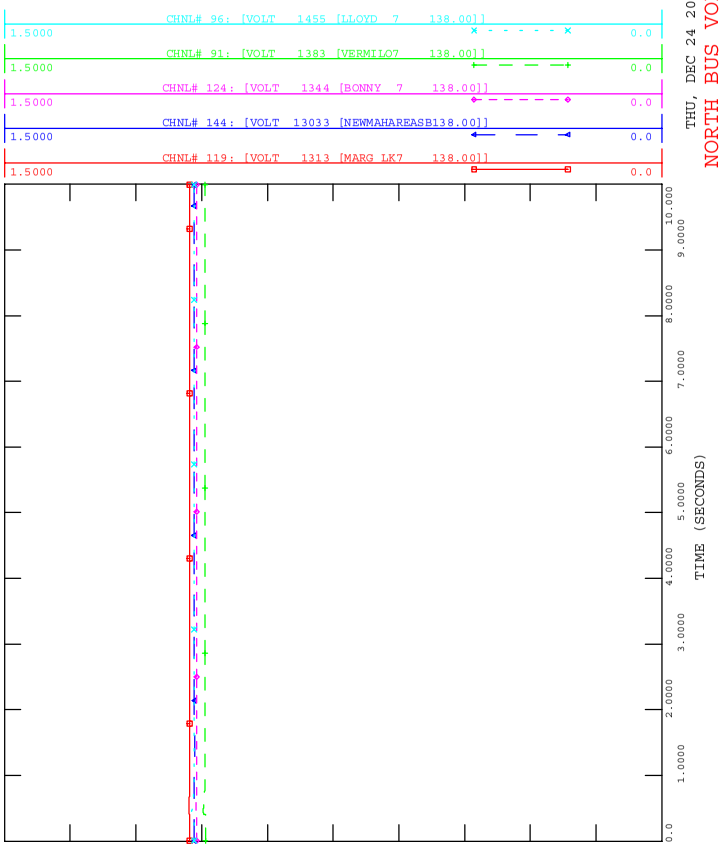


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

NORTH BUS VOLTAGES

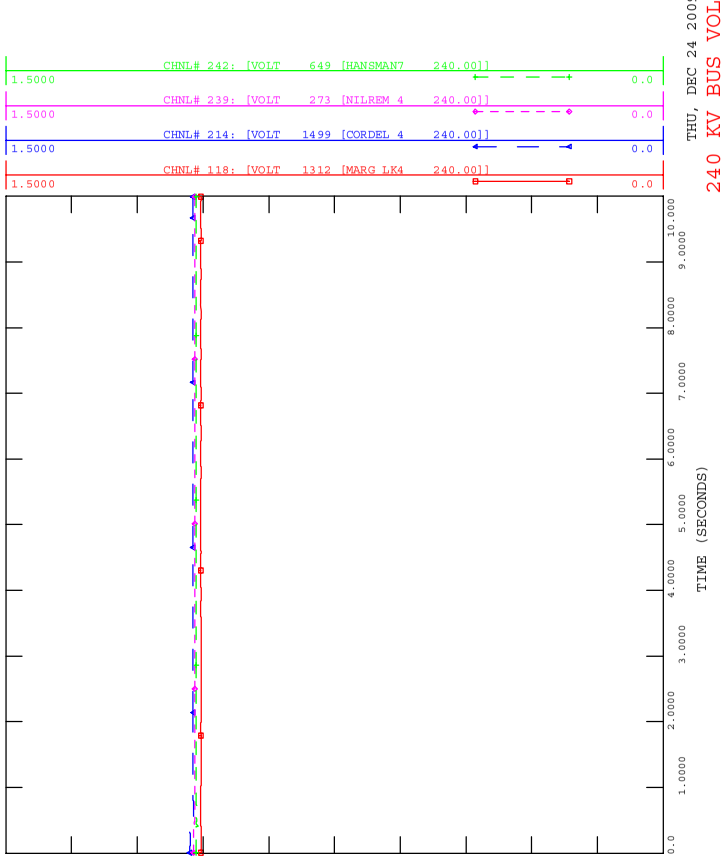


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

240 KV BUS VOLTAGES

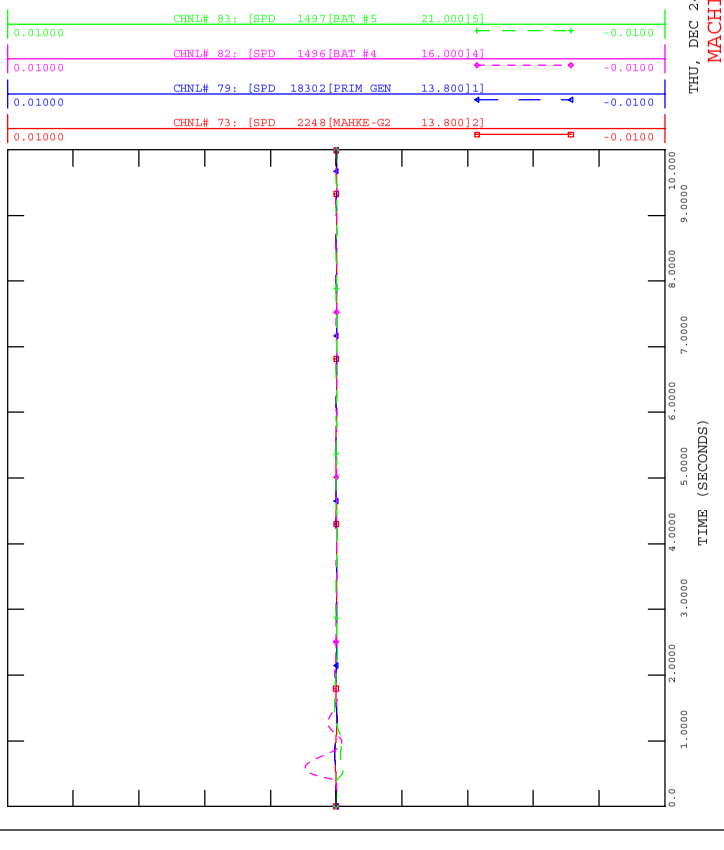


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MACHINE SPEED

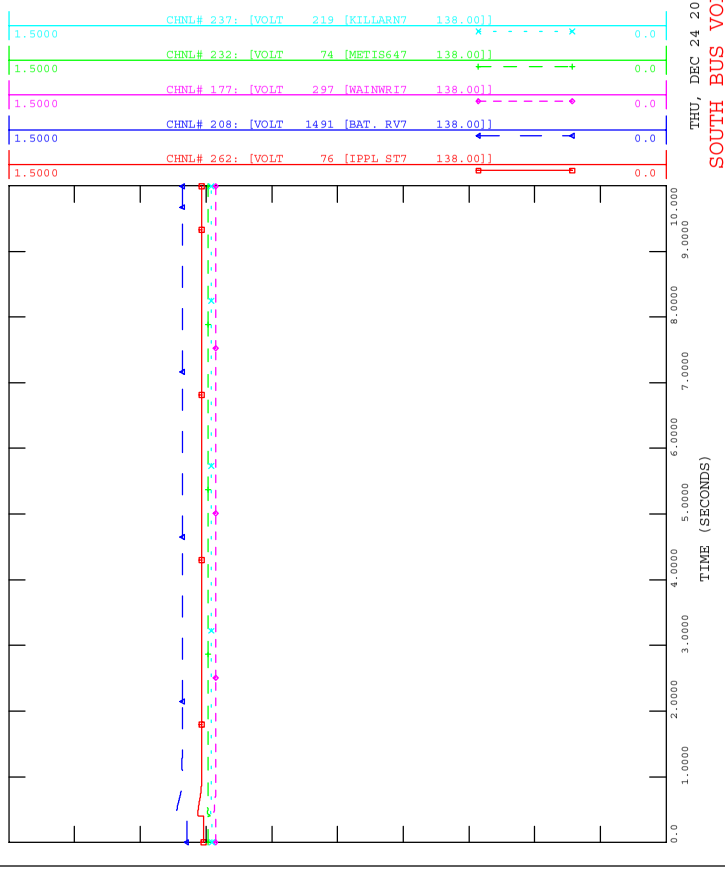


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

SOUTH BUS VOLTAGES

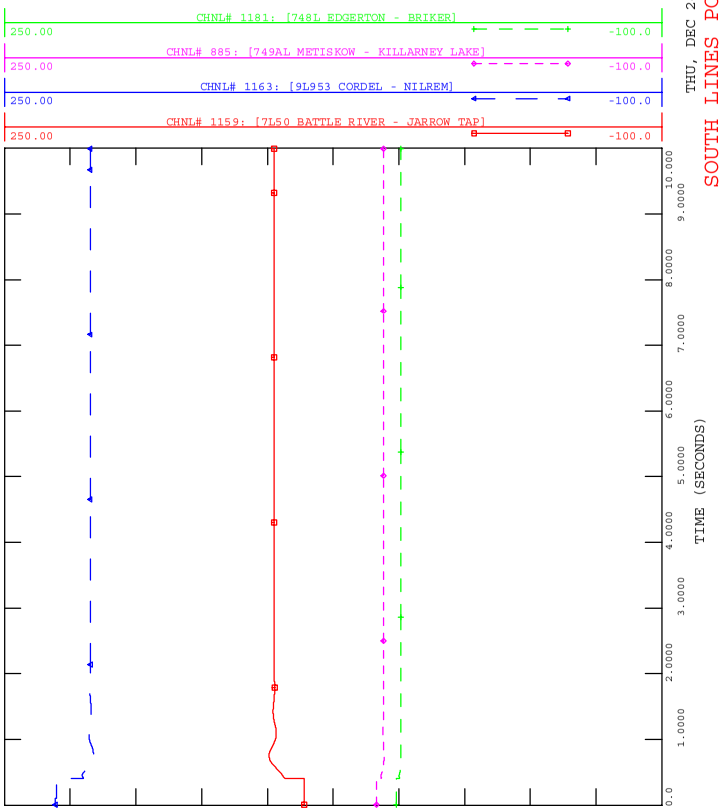


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

SOUTH LINES POWER FLOW

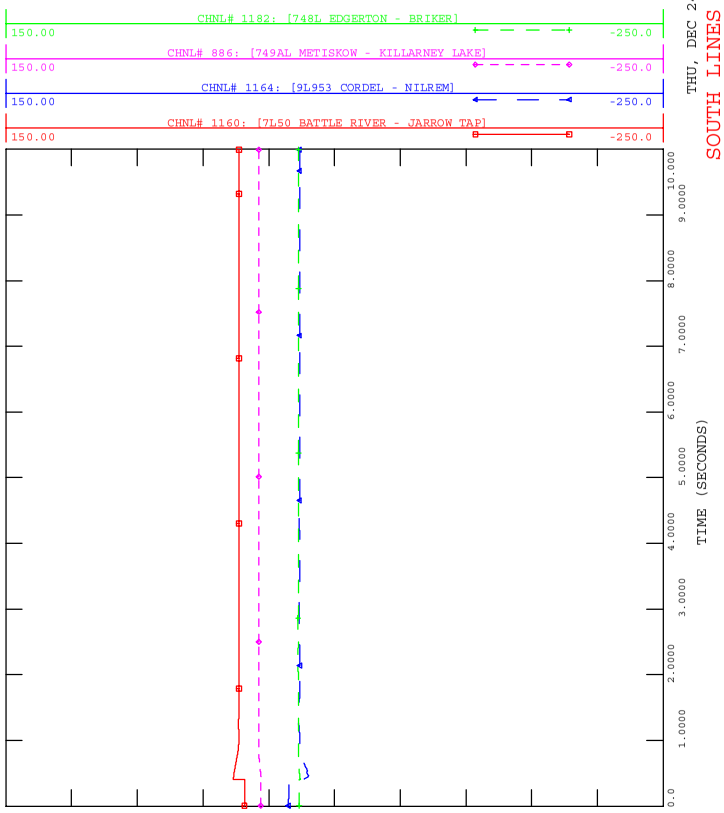


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

SOUTH LINES VAR FLOW

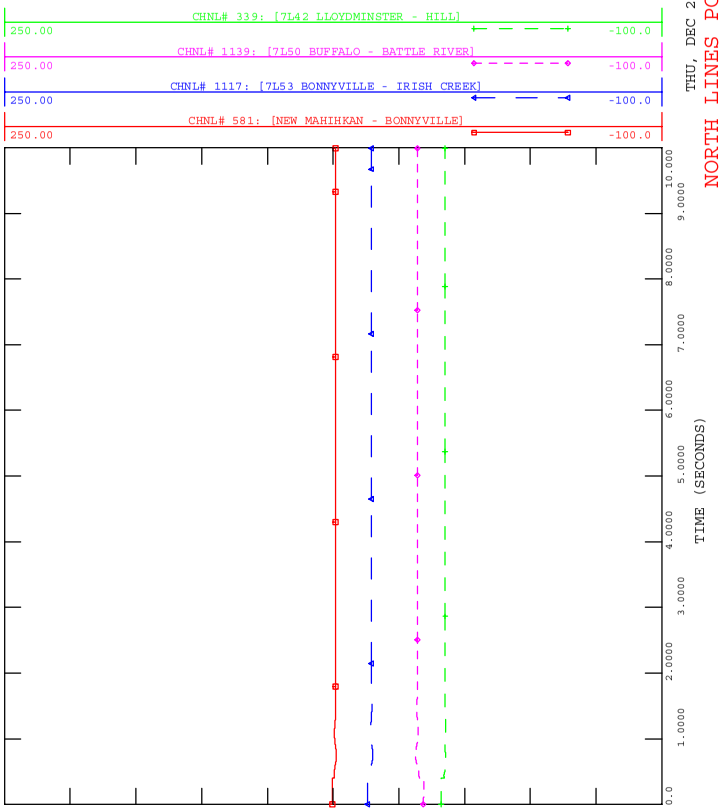


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

NORTH LINES POWER FLOW

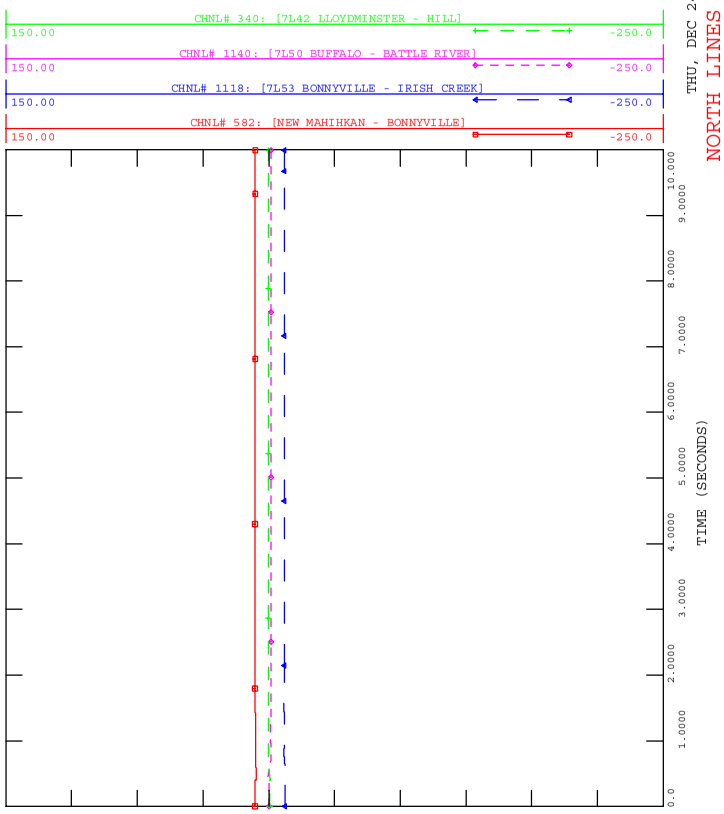


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

NORTH LINES VAR FLOW

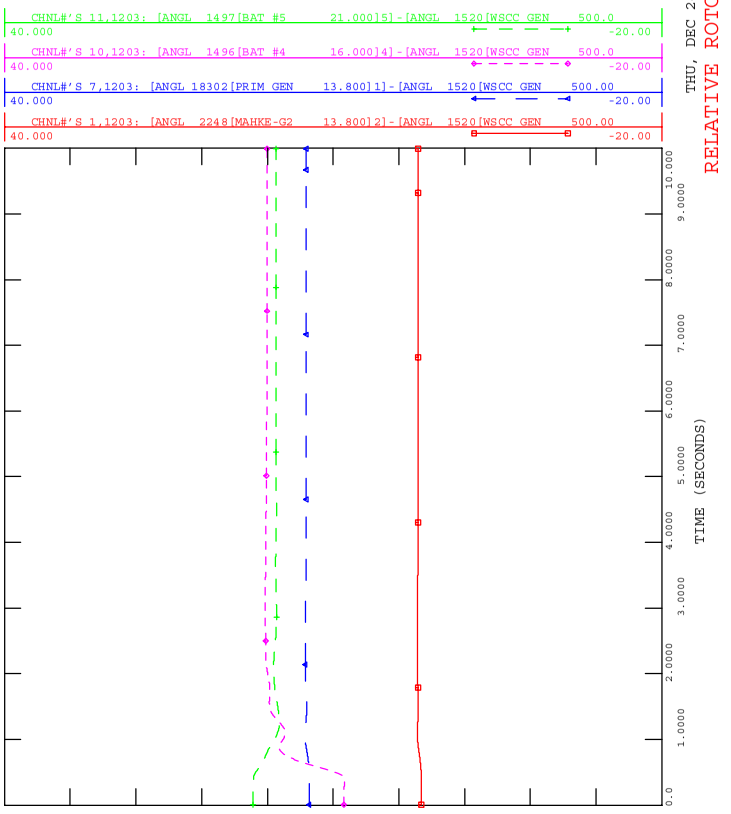


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

RELATIVE ROTOR ANGLES

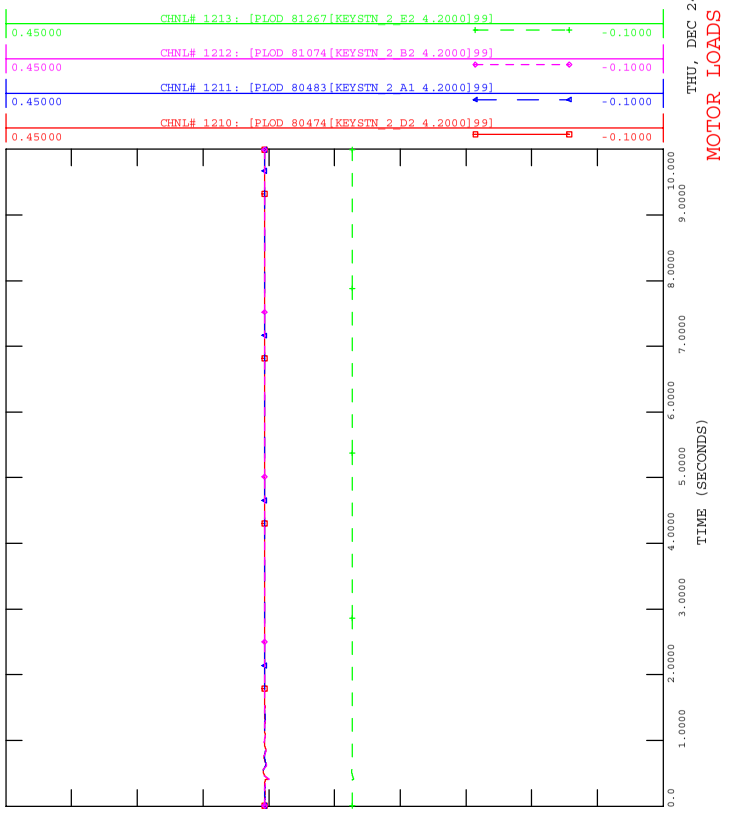


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP II

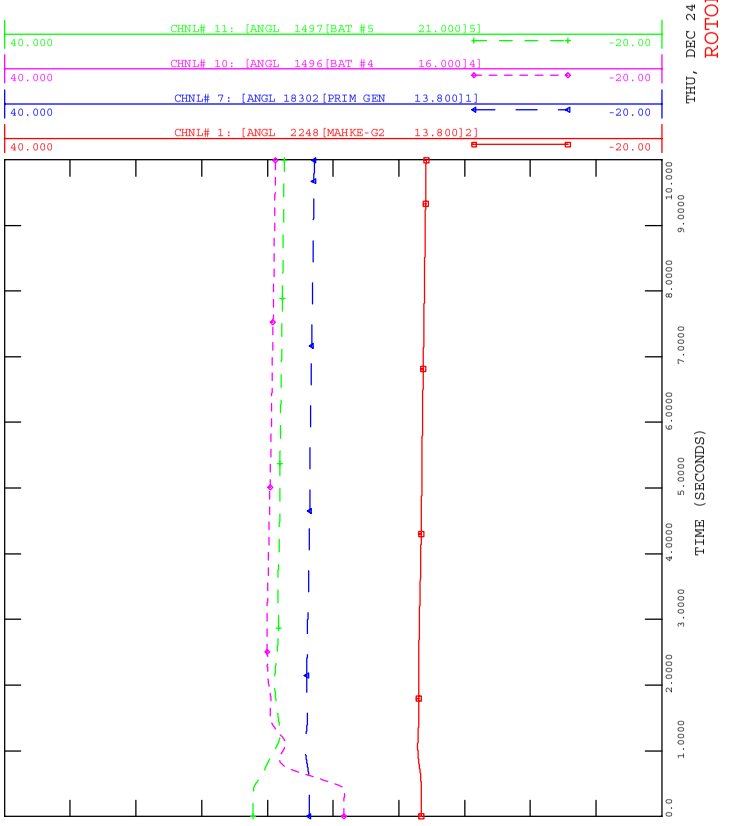


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

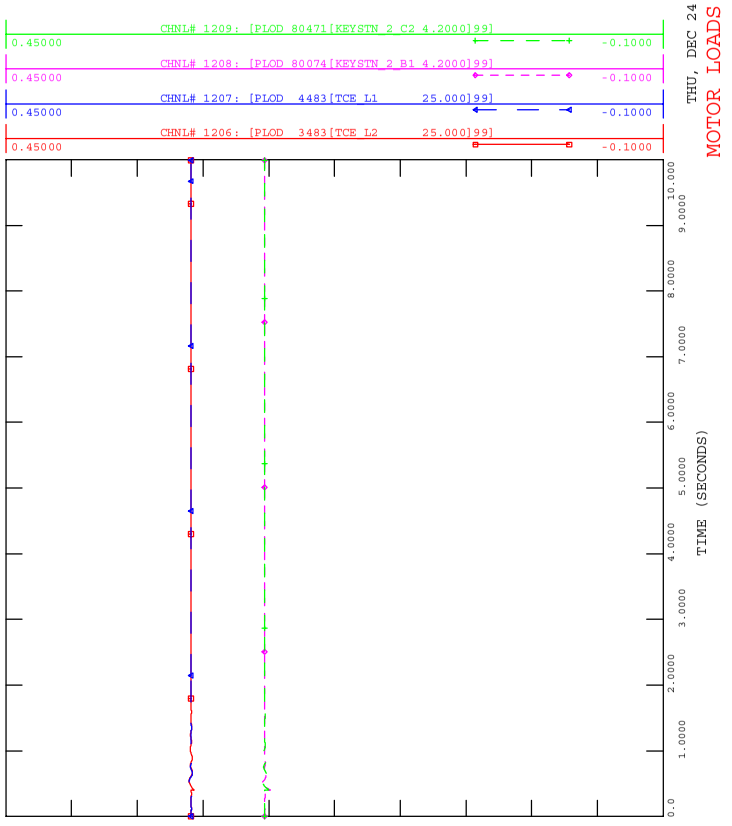


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP I

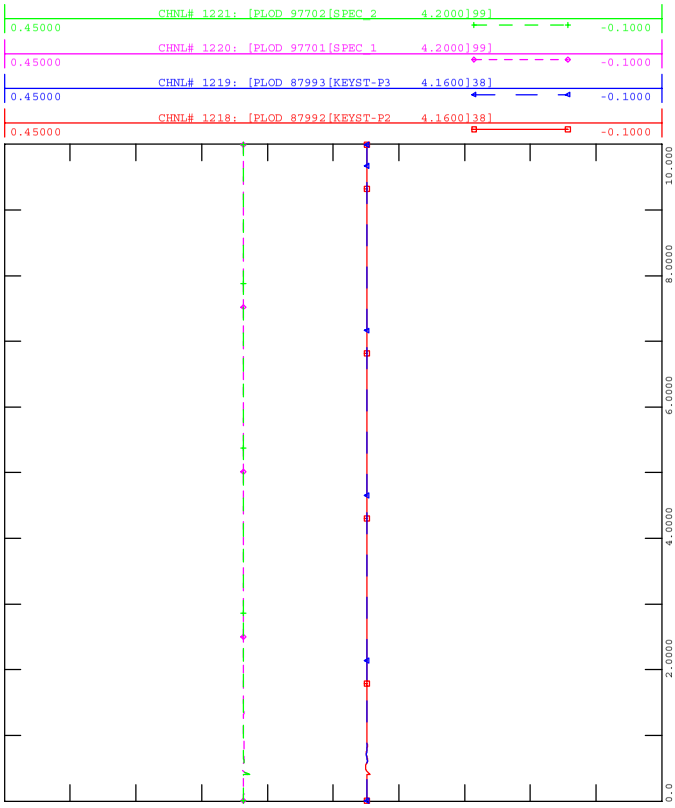


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP IV

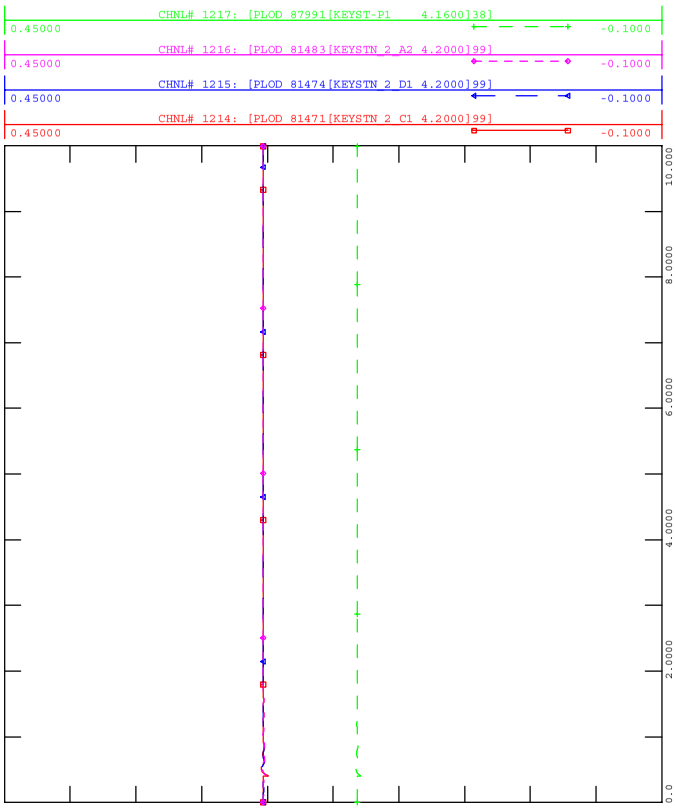


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-9Fault.out

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MOTOR LOADS GROUP III

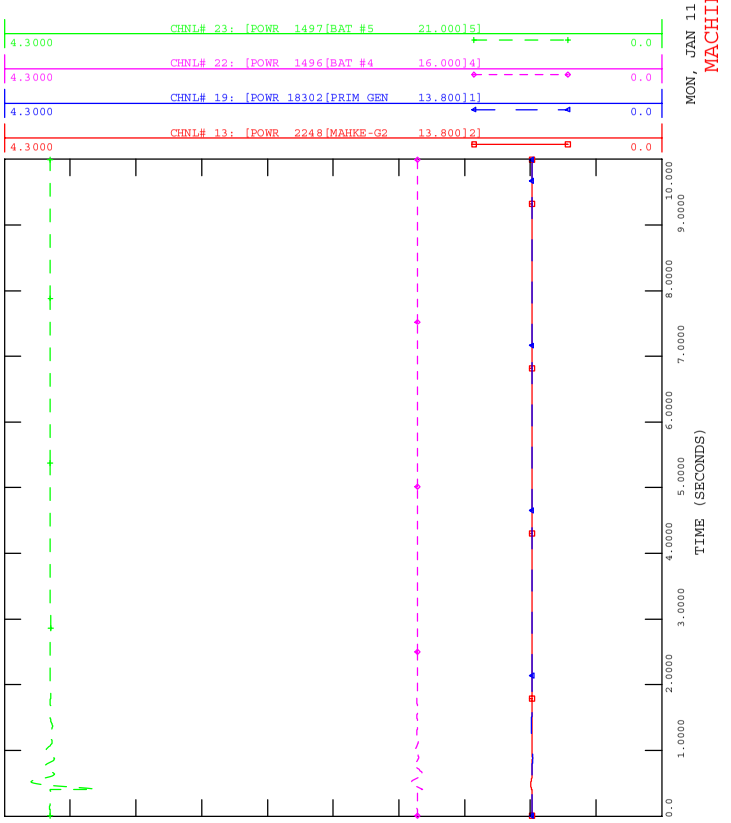


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

MACHINE POWER

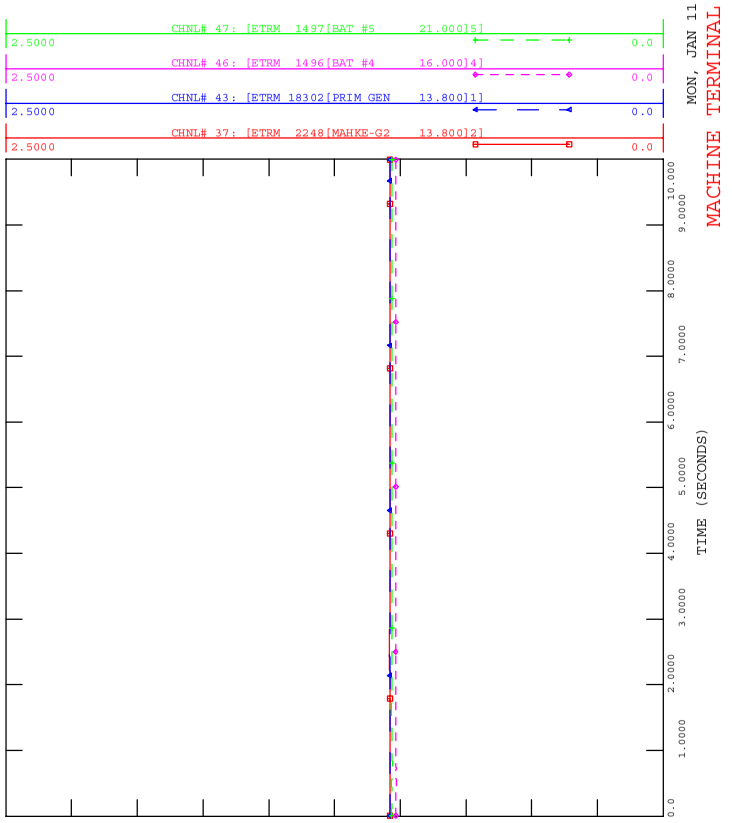


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

MACHINE TERMINAL VOLTAGE

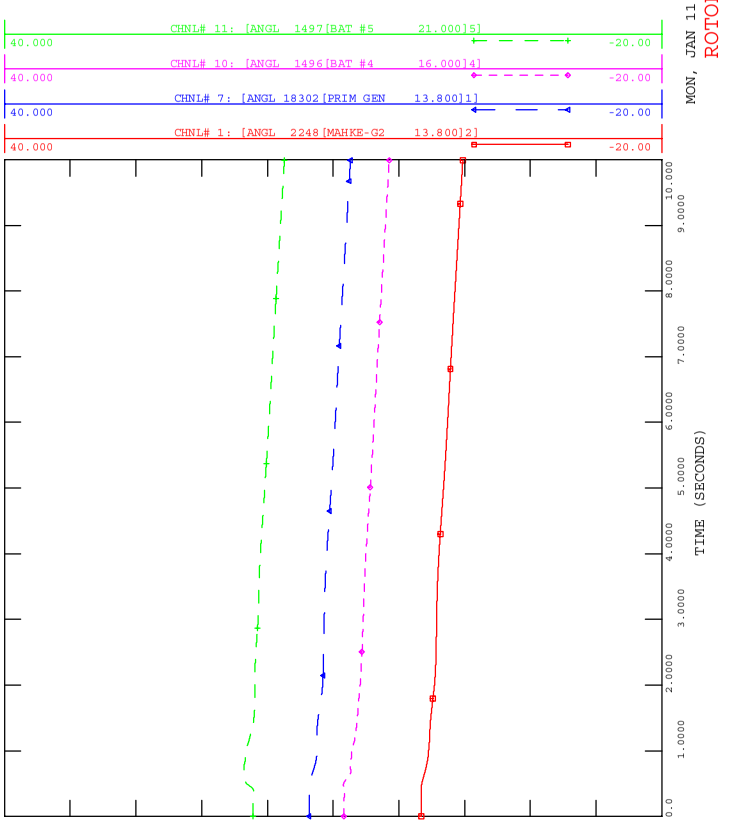


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

ROTOR ANGLES

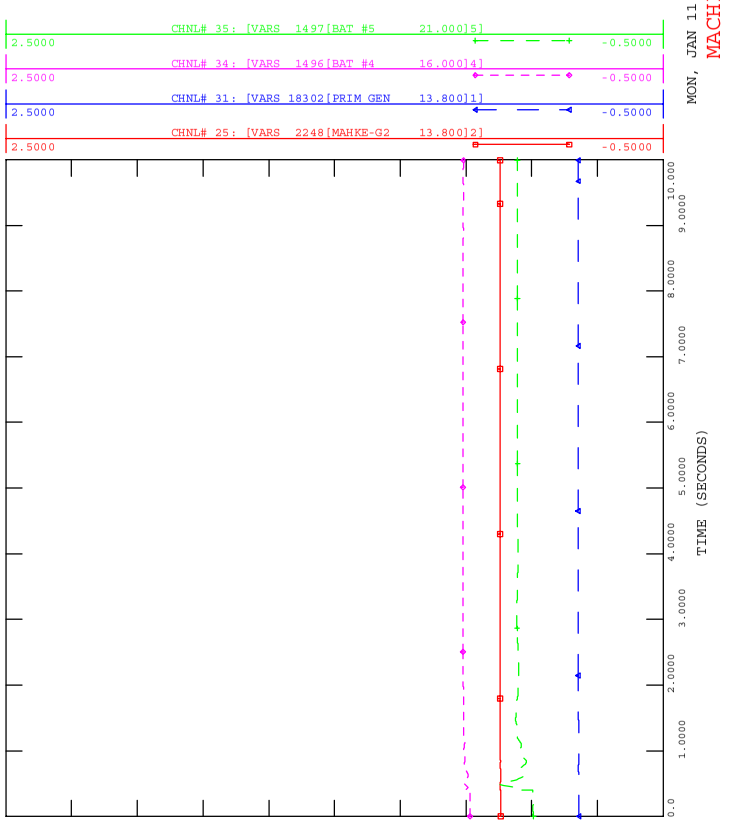


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

MACHINE VARS

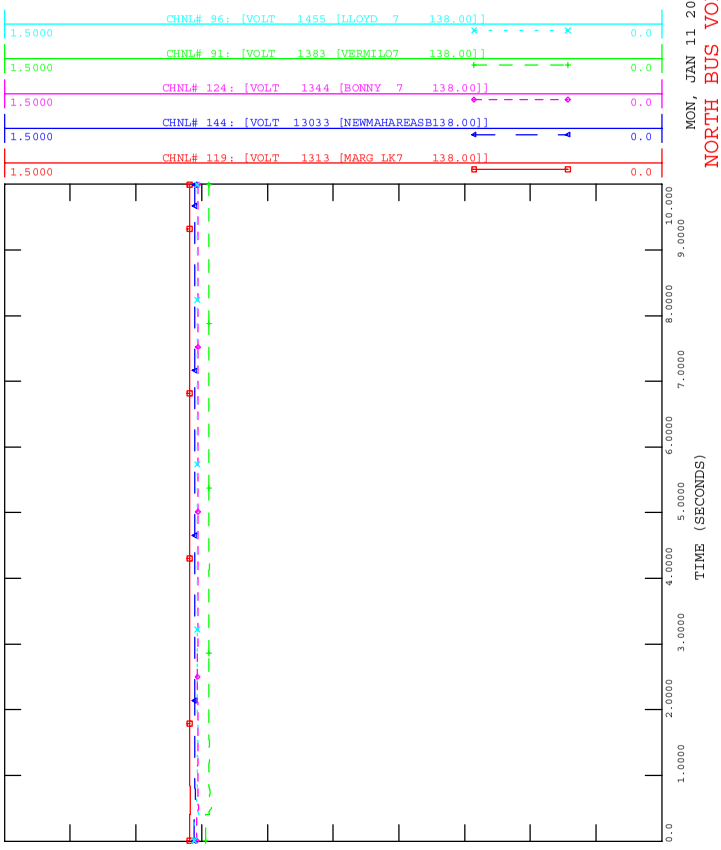


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

NORTH BUS VOLTAGES

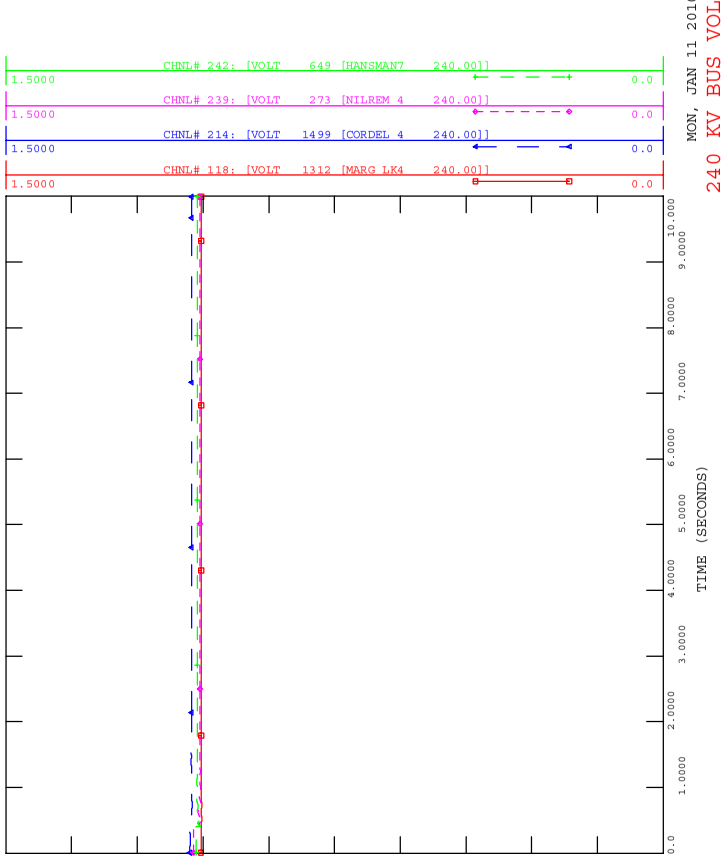


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

240 KV BUS VOLTAGES

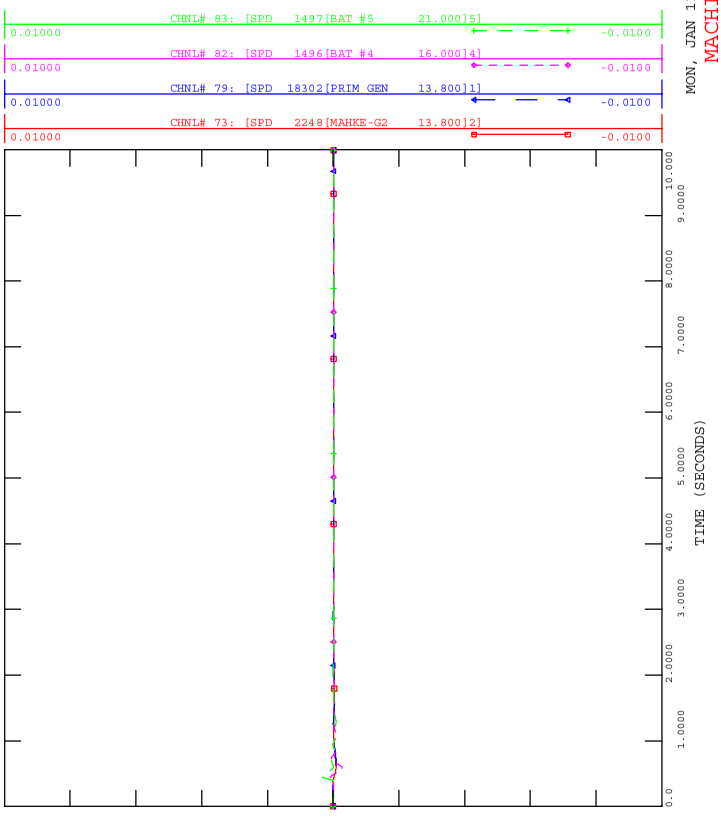


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

MACHINE SPEED

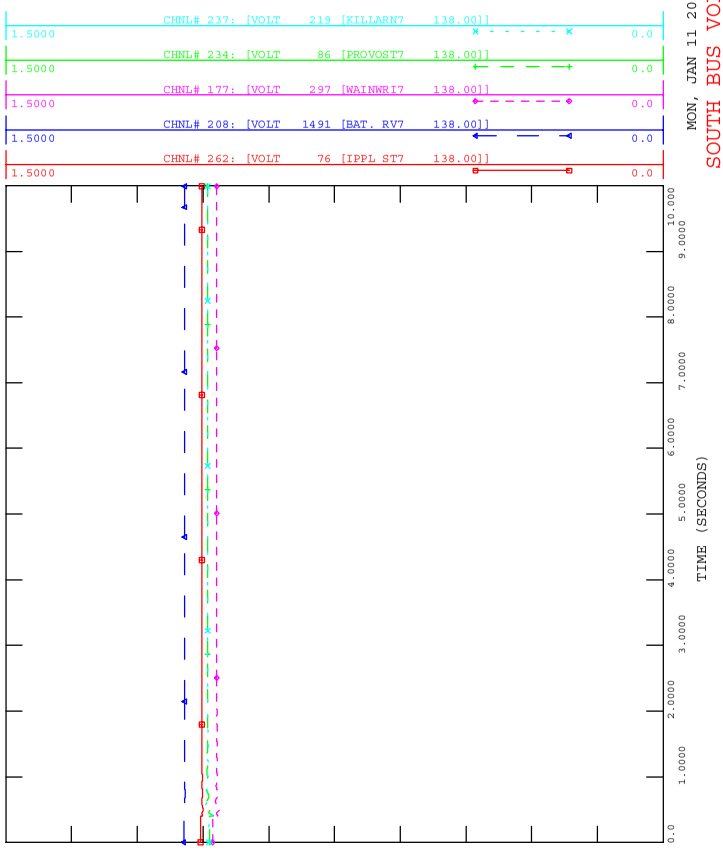


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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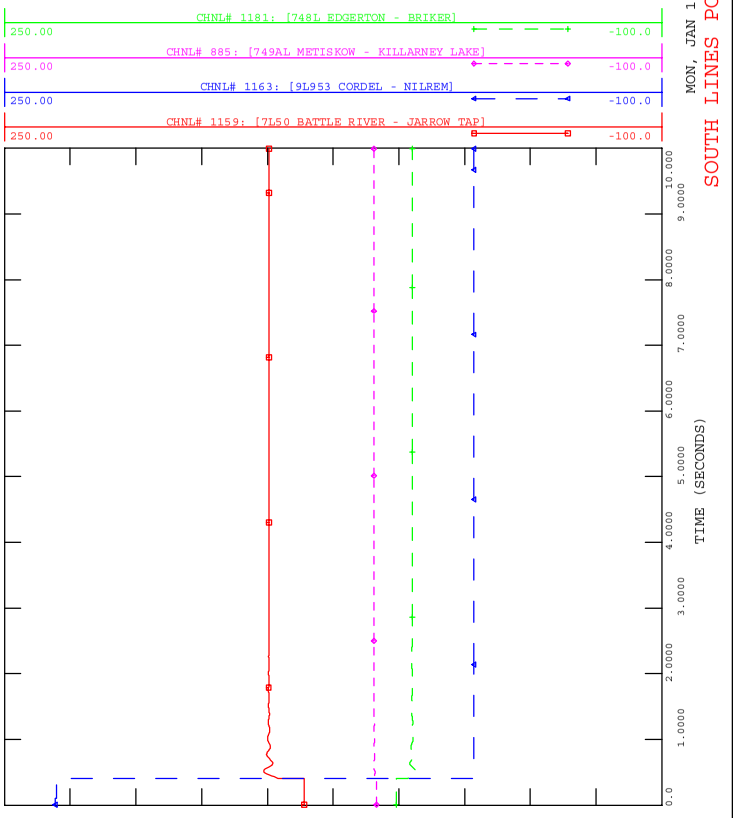
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SOUTH BUS VOLTAGES



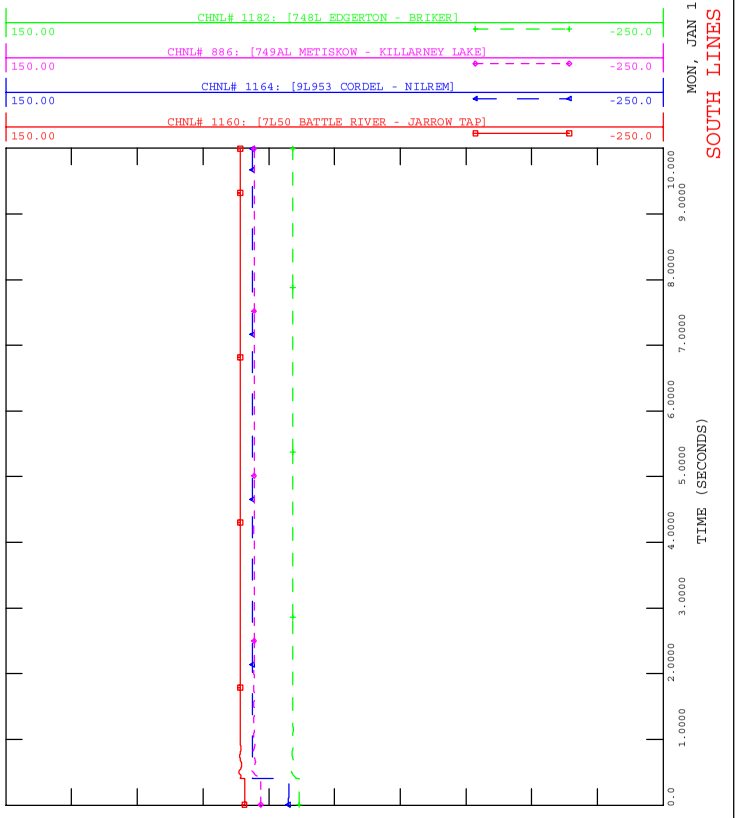
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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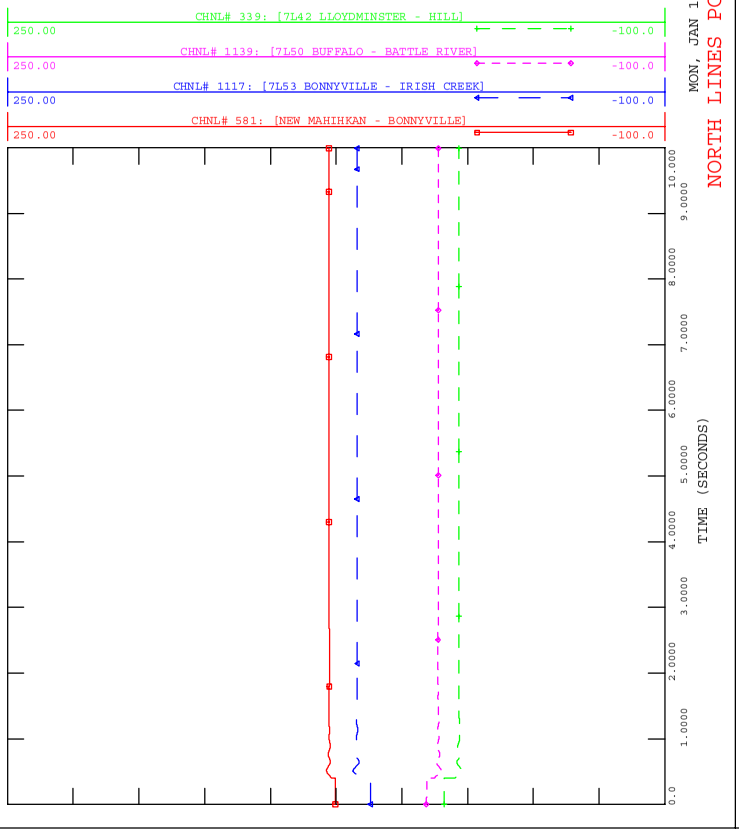
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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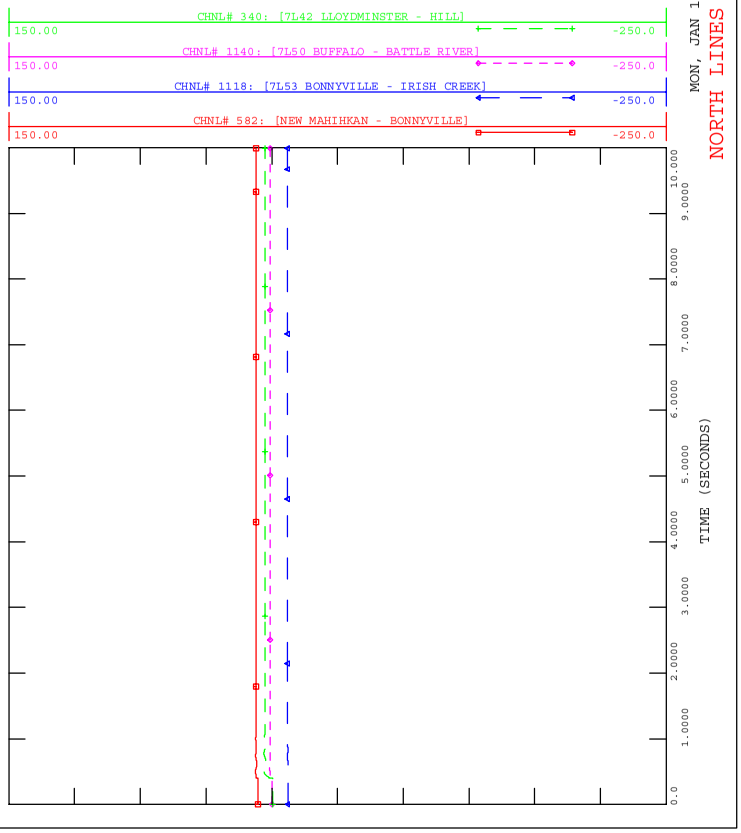
CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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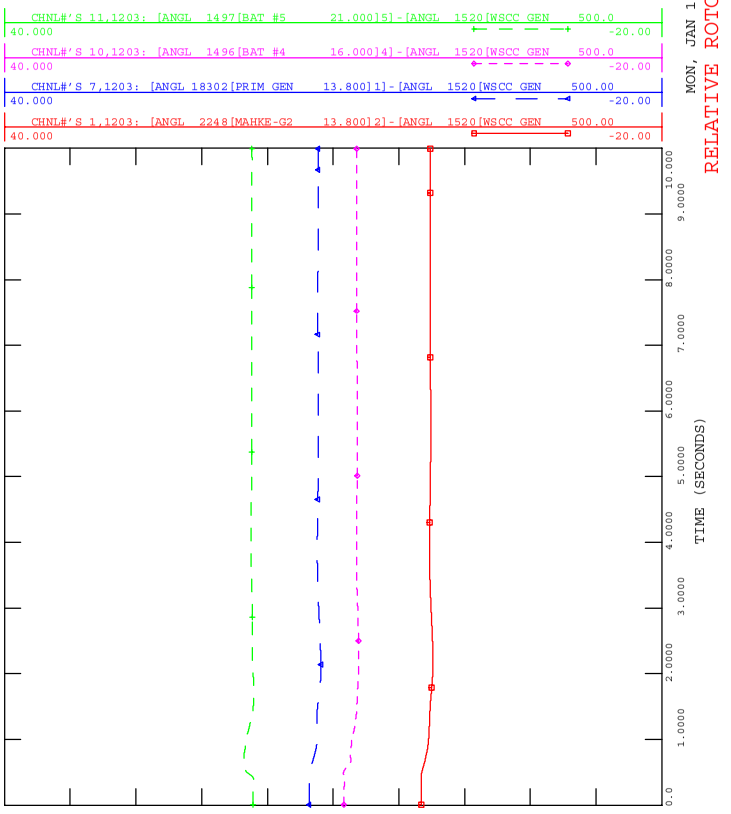


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

RELATIVE ROTOR ANGLES

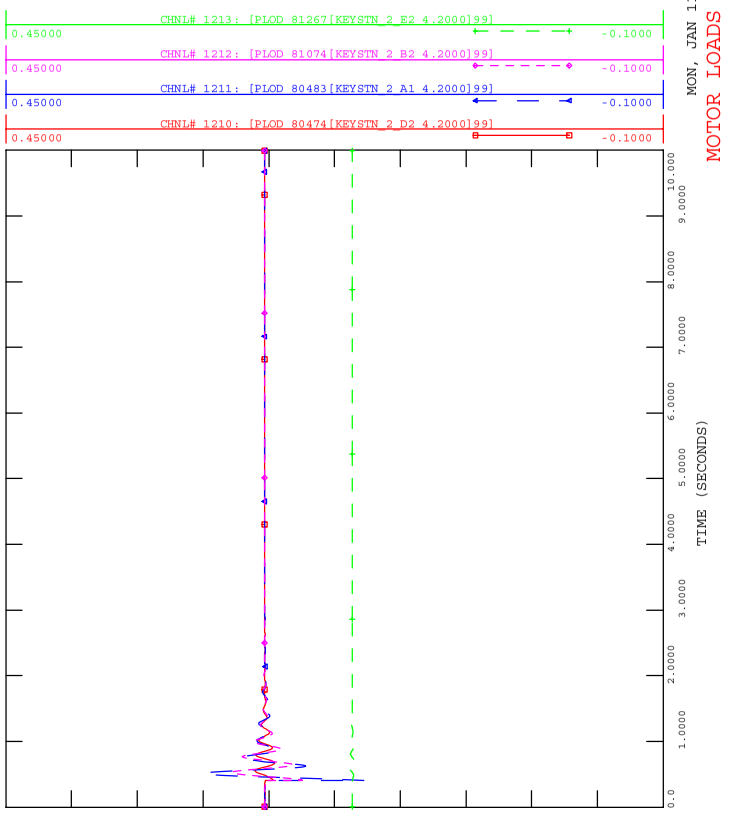


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

MOTOR LOADS GROUP II

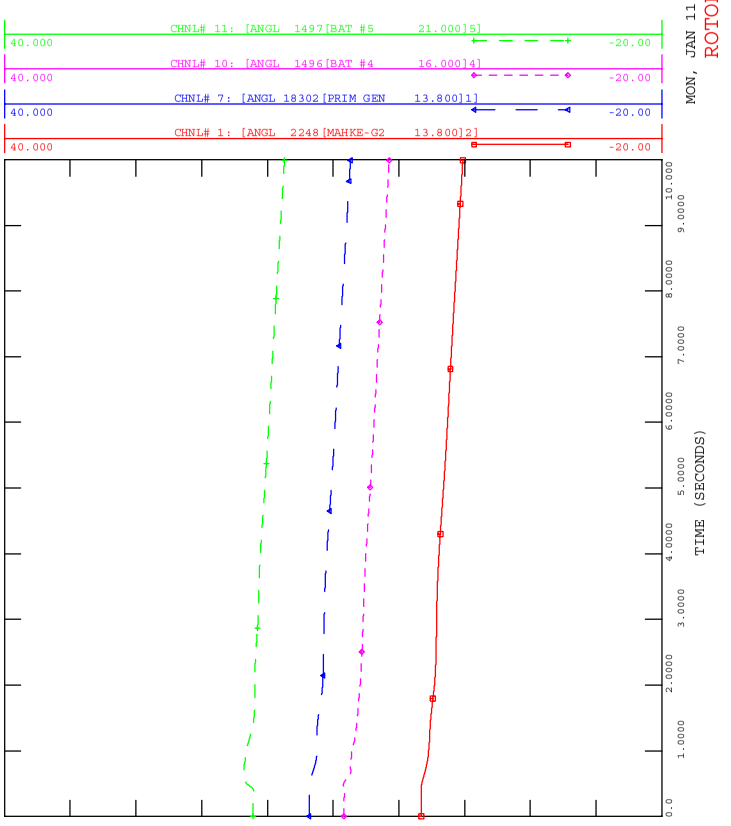


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out

MON, JAN 11 2010 17:52

ROTOR ANGLES

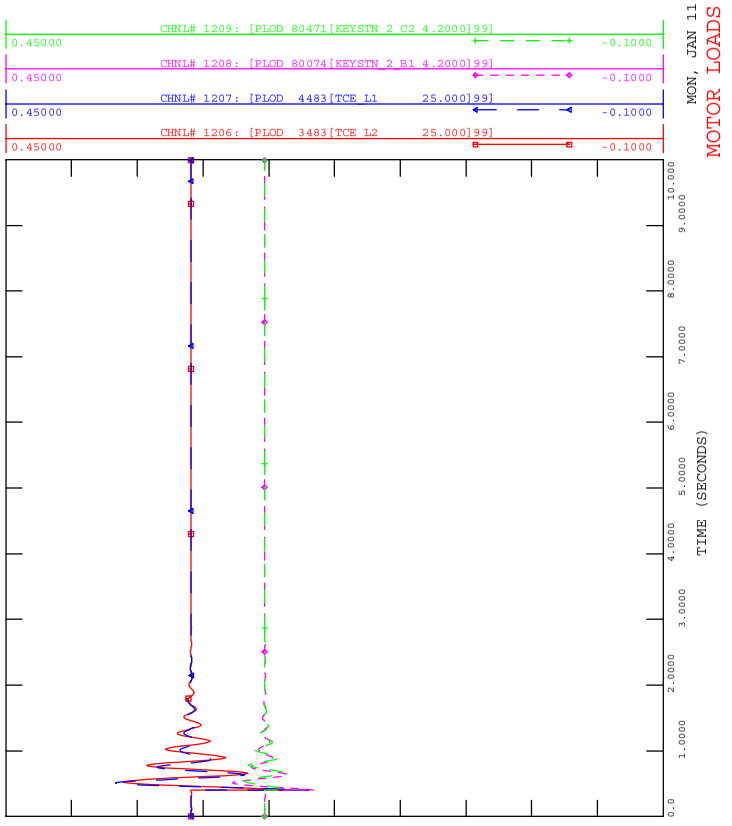


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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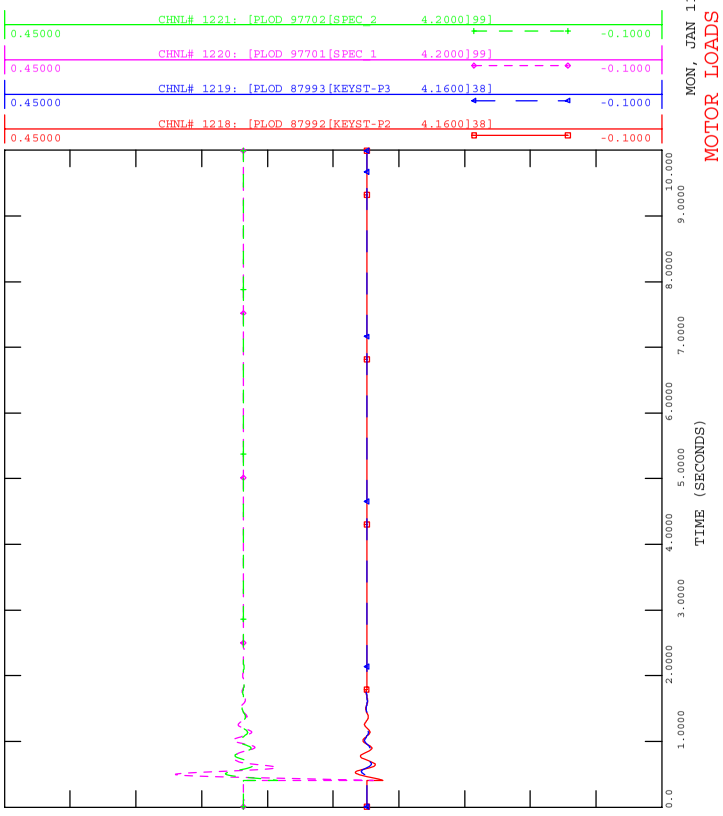
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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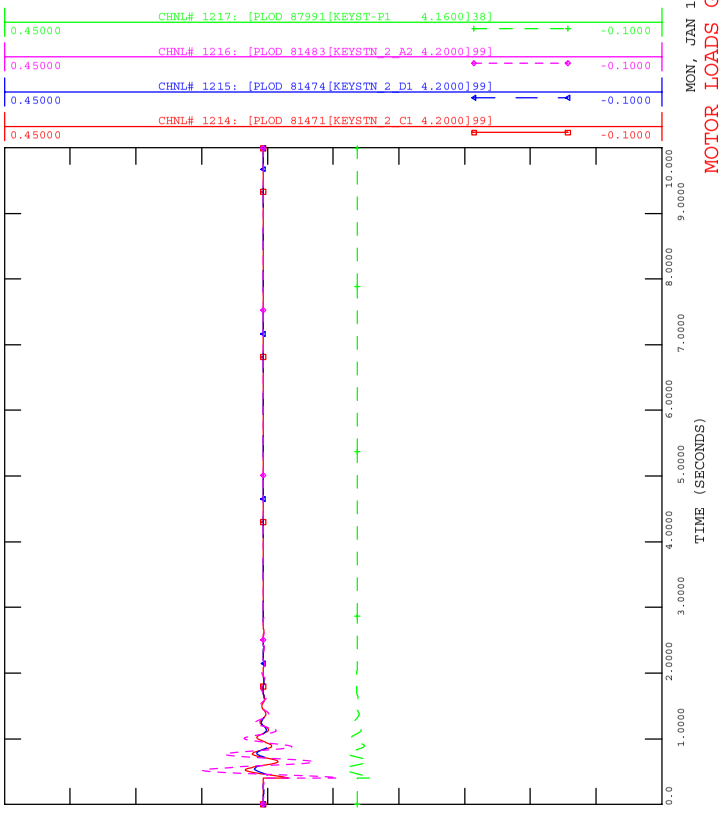


MON, JAN 11 2010 17:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-10Fault.out



MON, JAN 11 2010 17:52

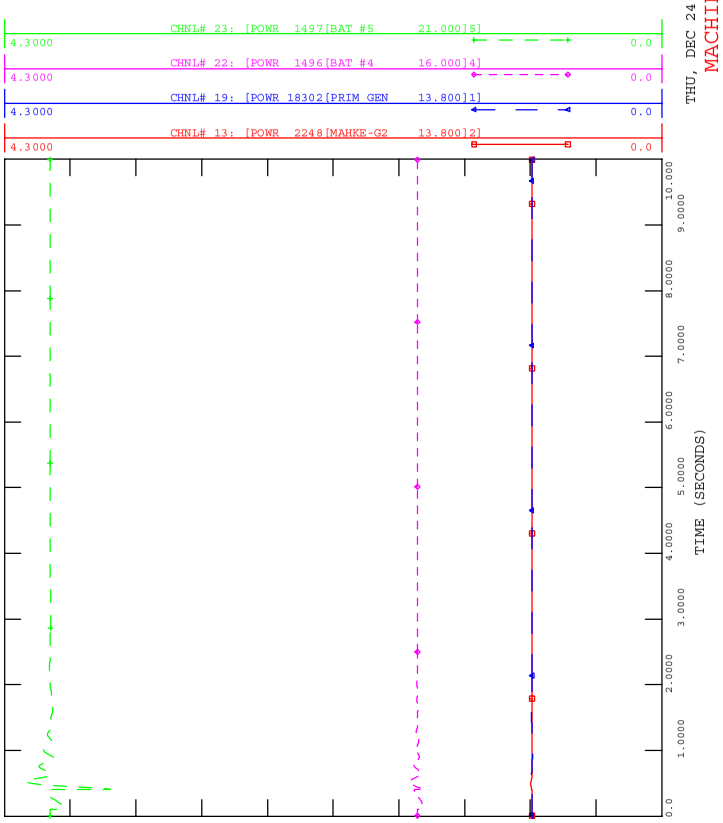
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

MACHINE POWER

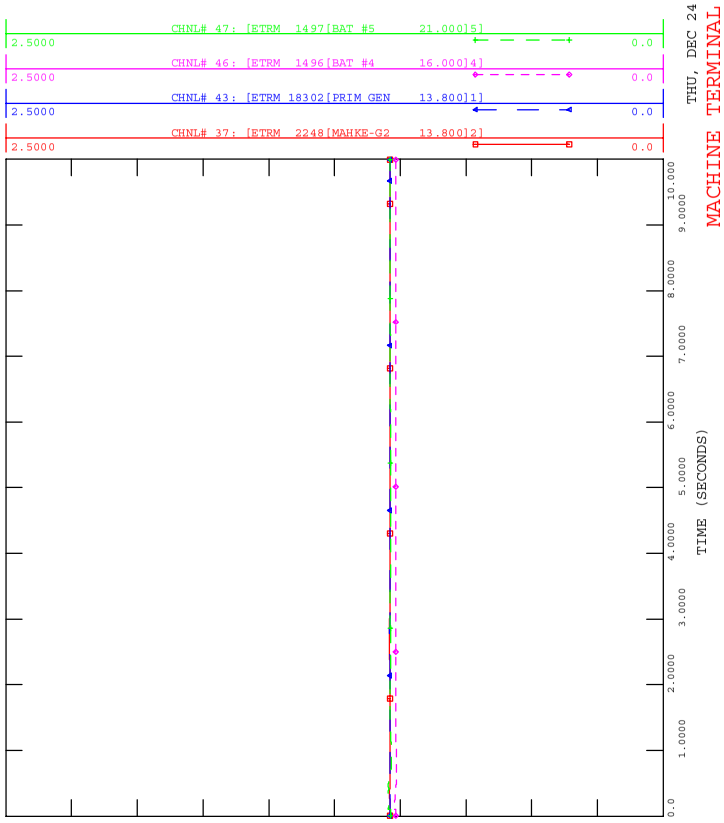


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:12

MACHINE TERMINAL VOLTAGE

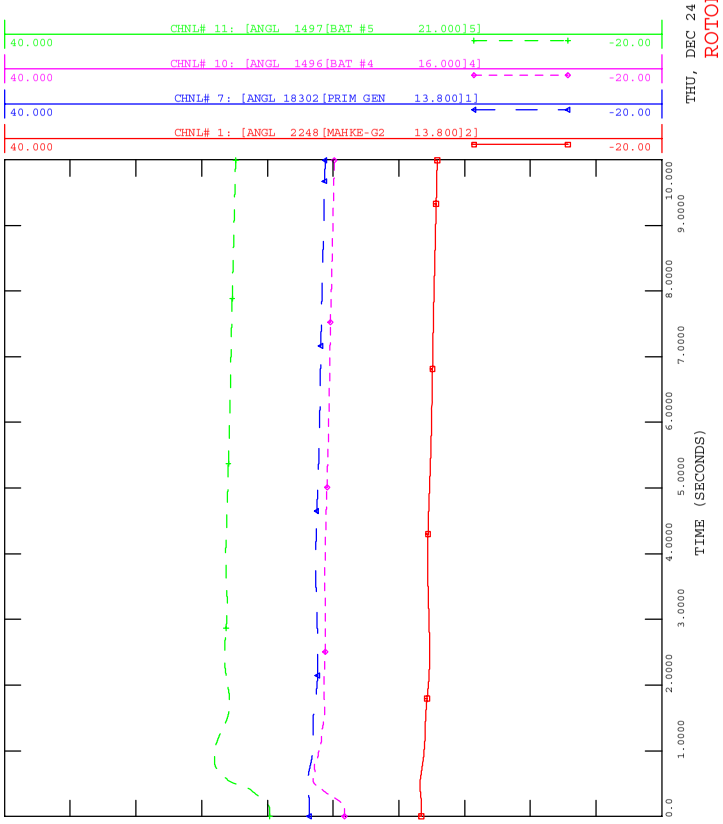


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

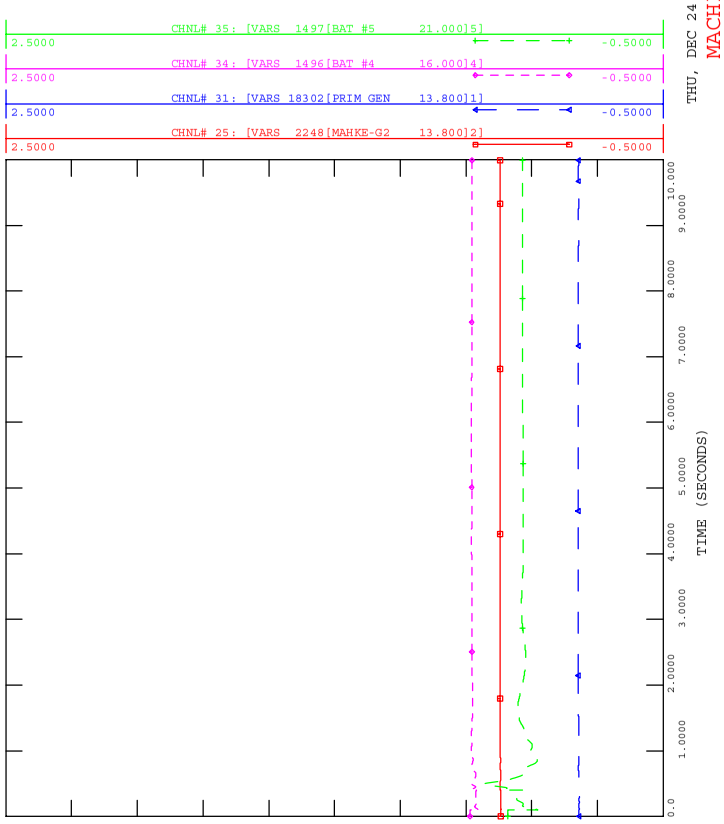


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

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MACHINE VARS

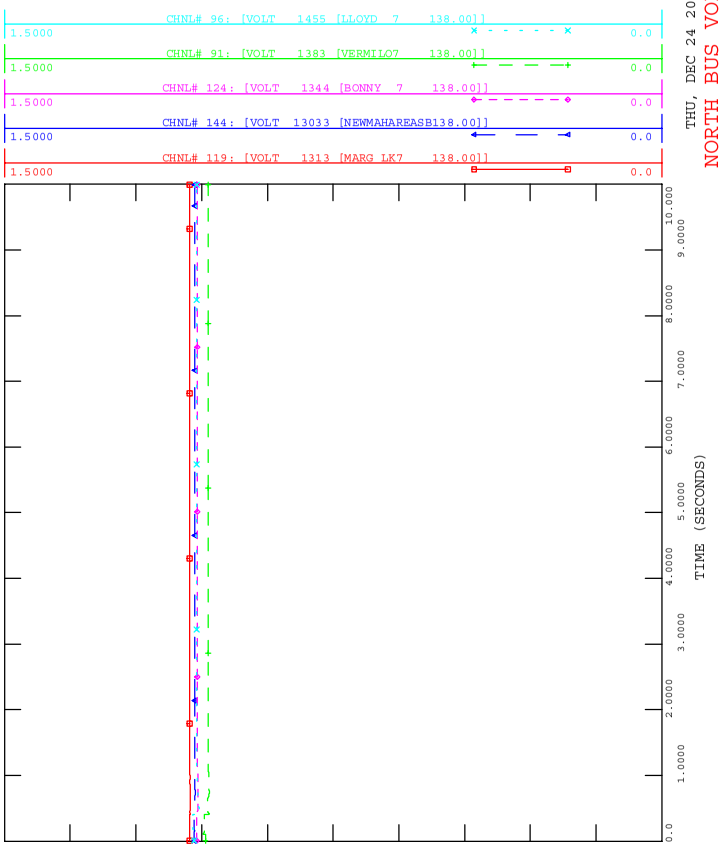


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

NORTH BUS VOLTAGES

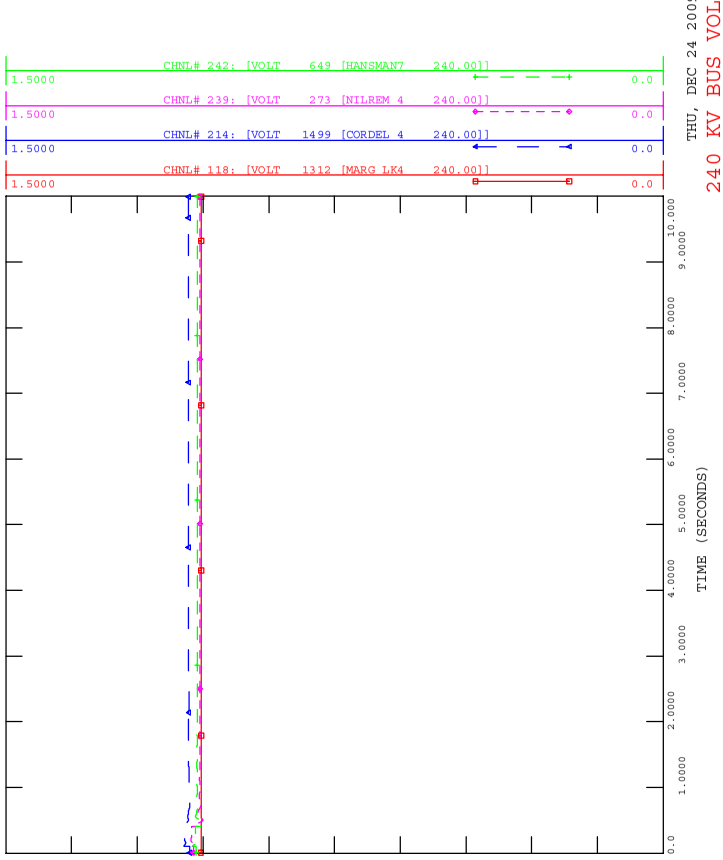


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

240 KV BUS VOLTAGES

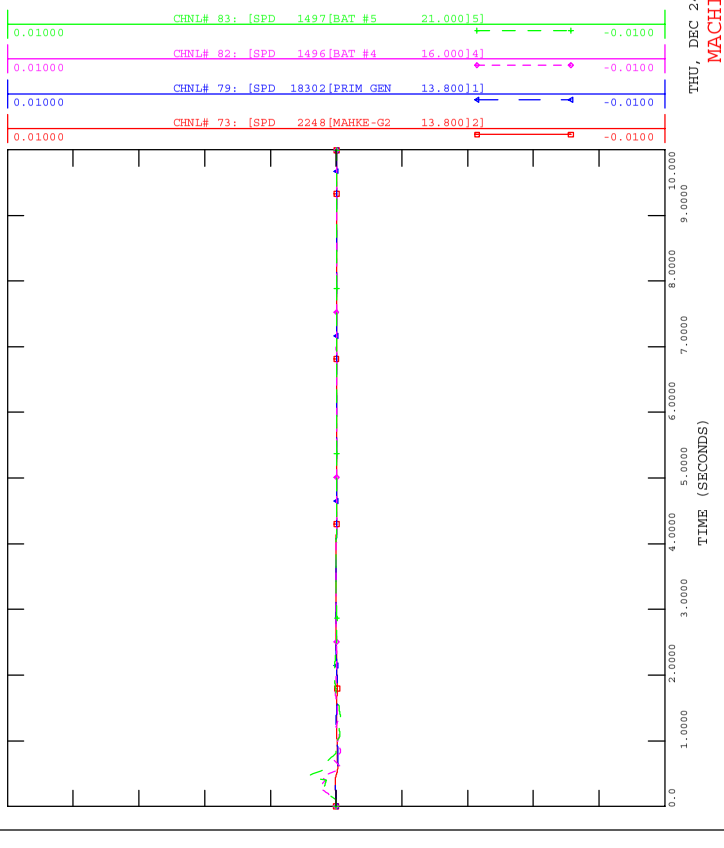


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

MACHINE SPEED

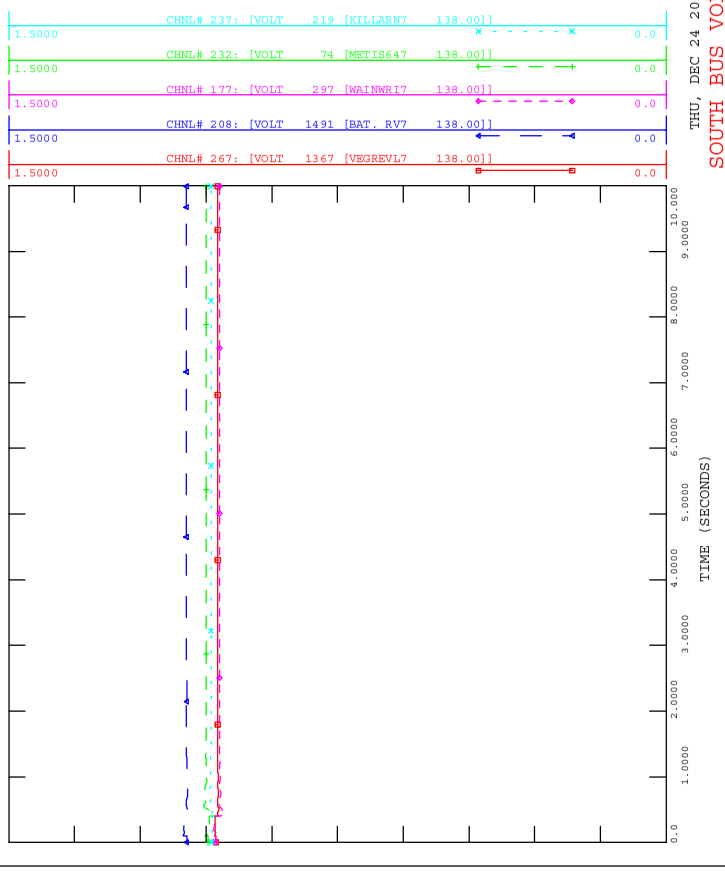


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

SOUTH BUS VOLTAGES

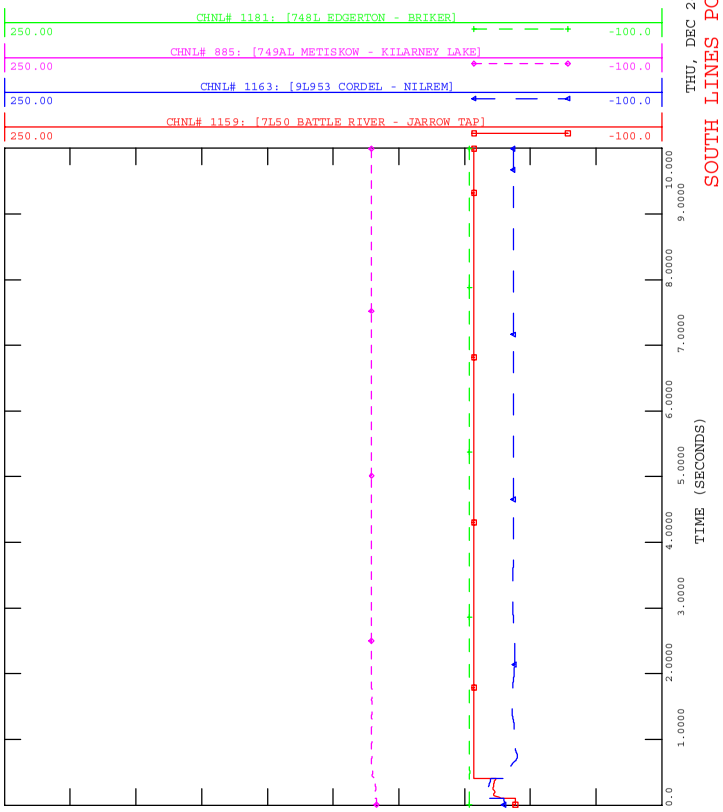


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

SOUTH LINES POWER FLOW

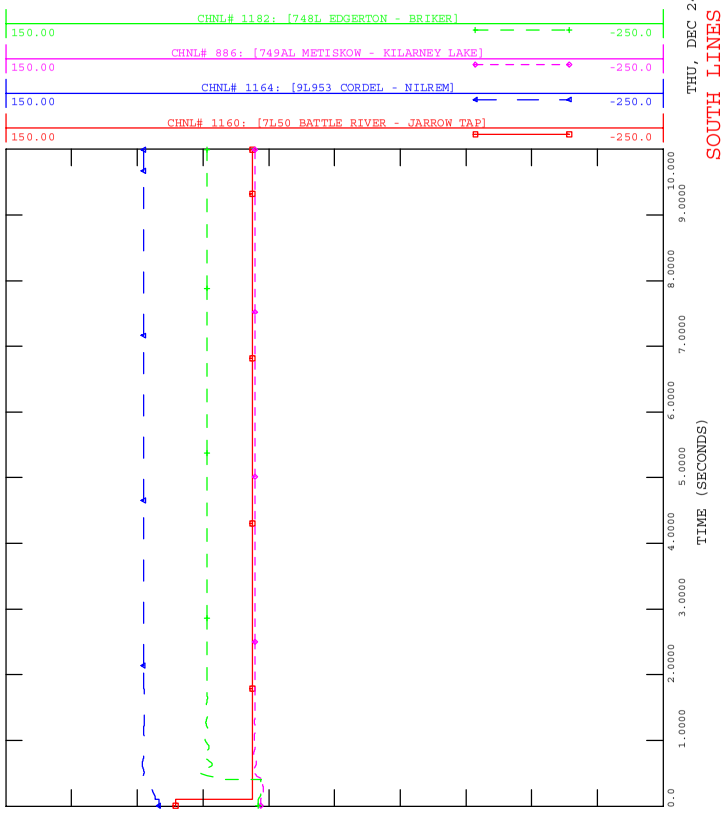


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

SOUTH LINES VAR FLOW

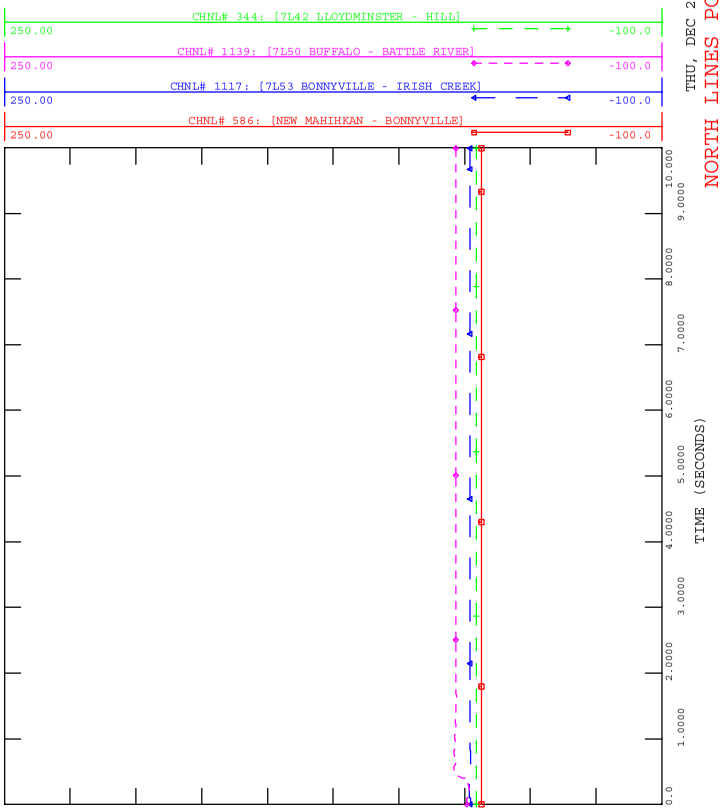


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:12

NORTH LINES POWER FLOW

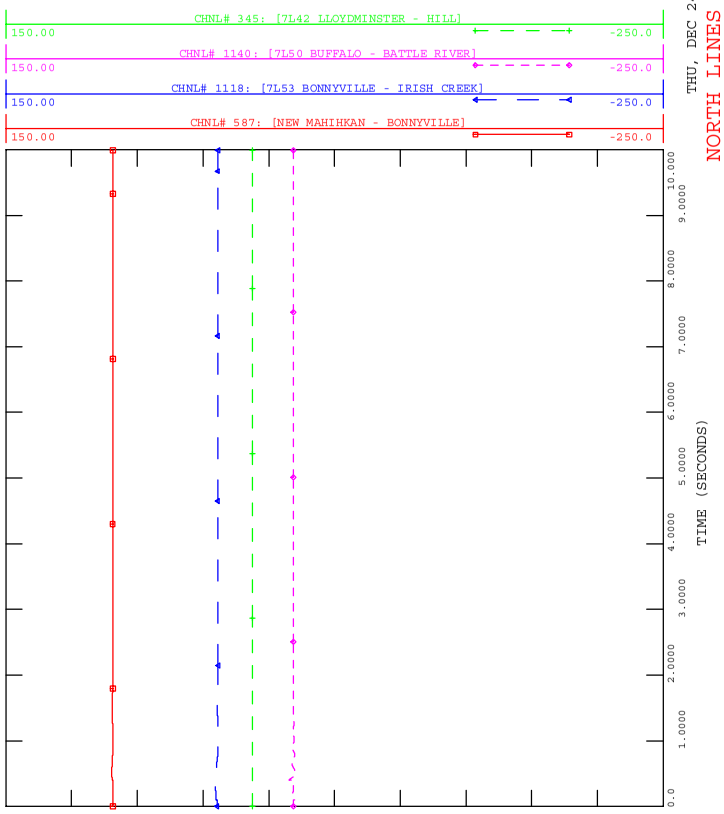


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:12

NORTH LINES VAR FLOW

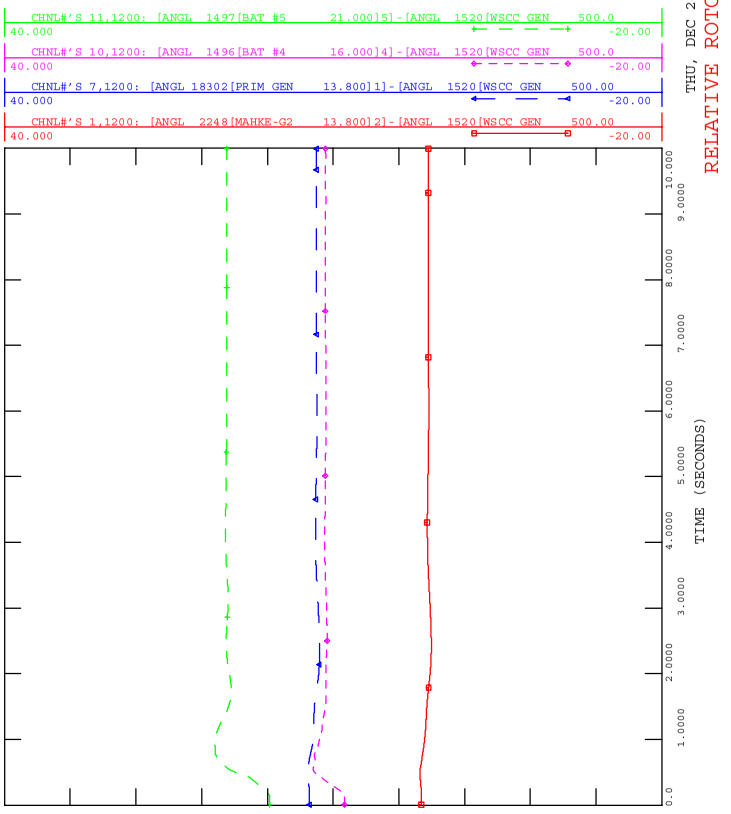


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

RELATIVE ROTOR ANGLES

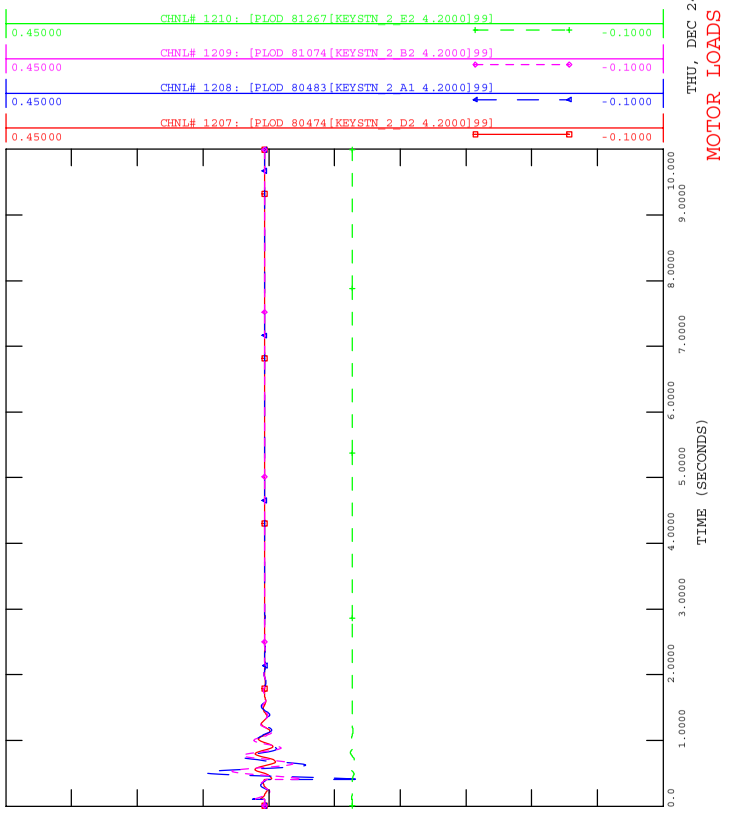


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP II

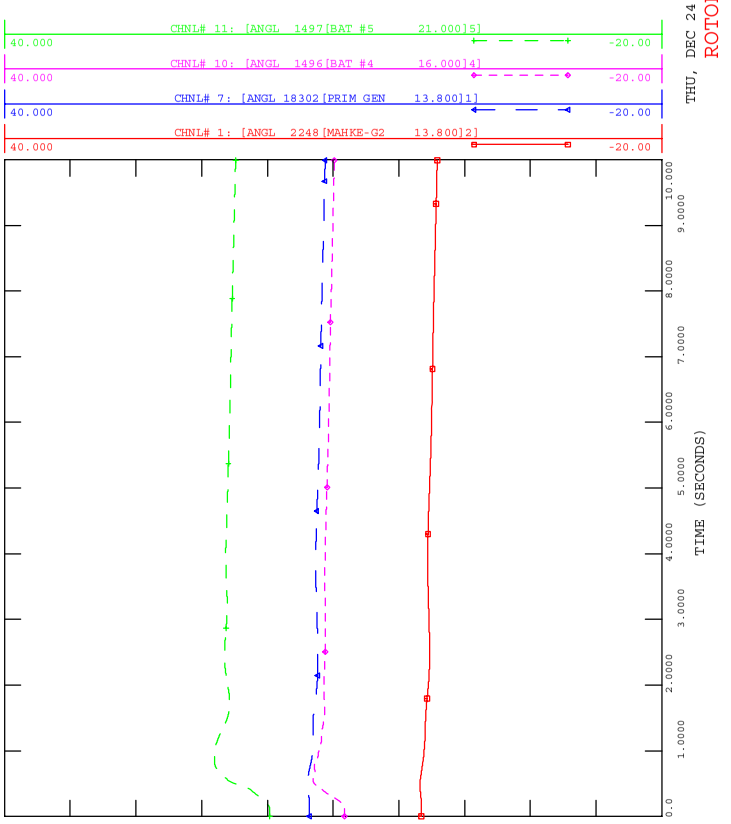


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:12

ROTOR ANGLES

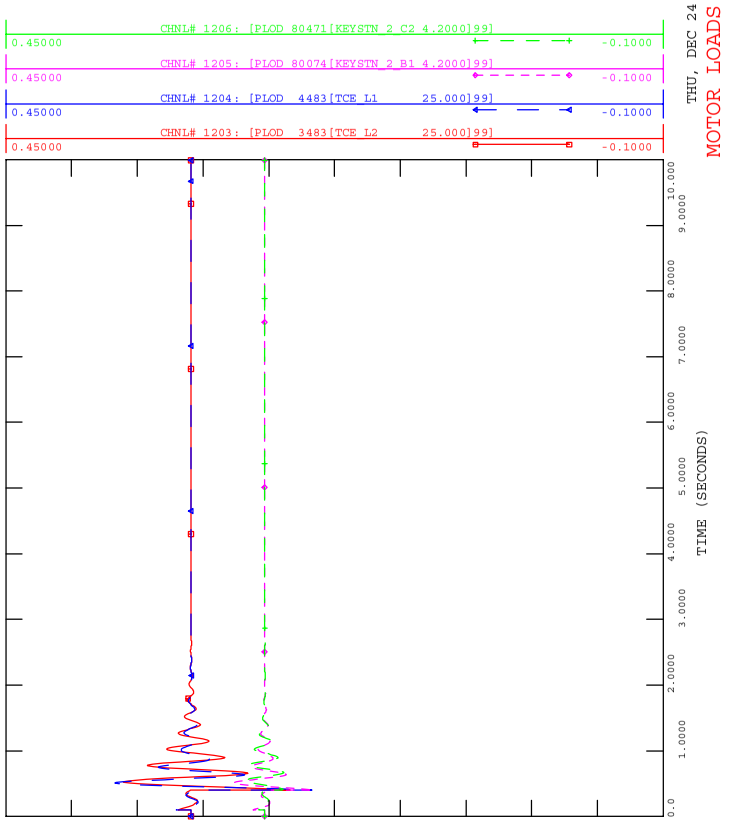


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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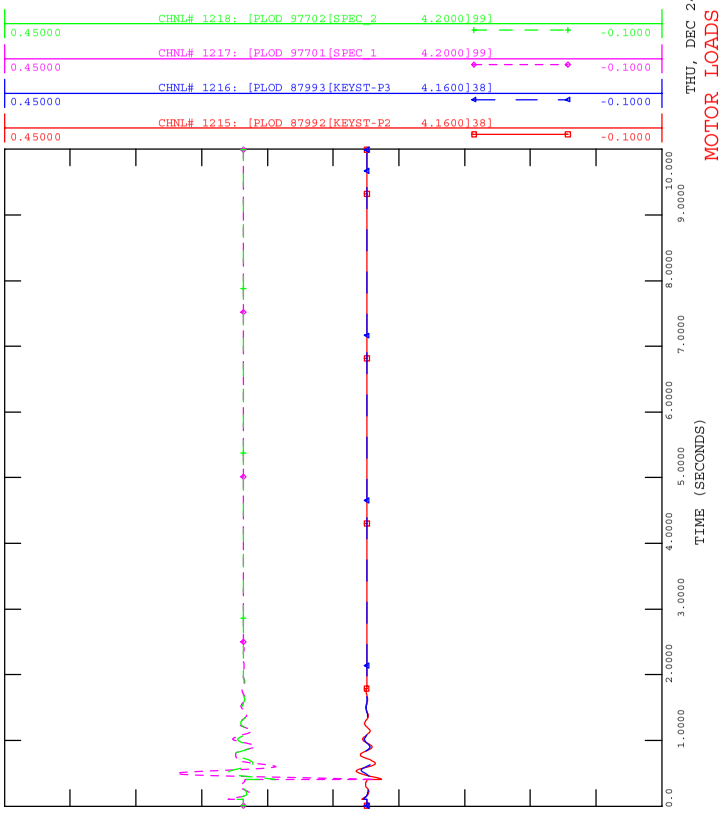
THU, DEC 24 2009 8:12

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out

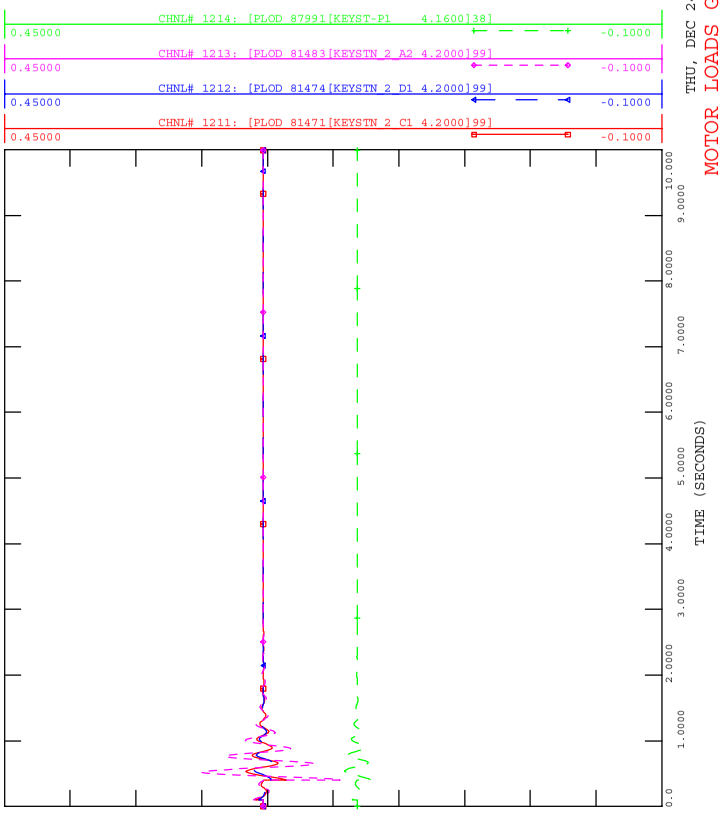


THU, DEC 24 2009 8:12

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-11Fault.out



THU, DEC 24 2009 8:12

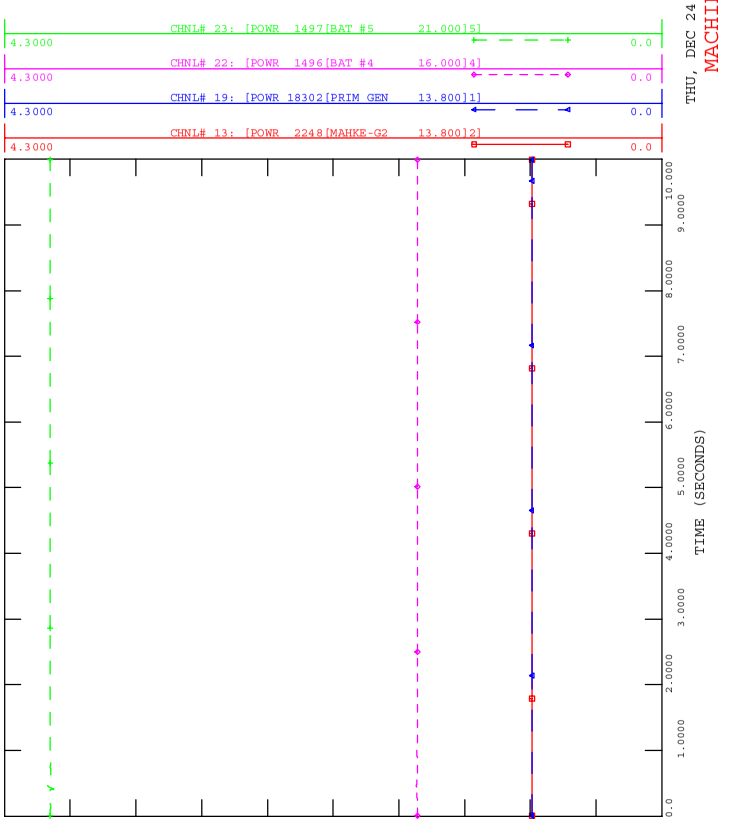
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MACHINE POWER

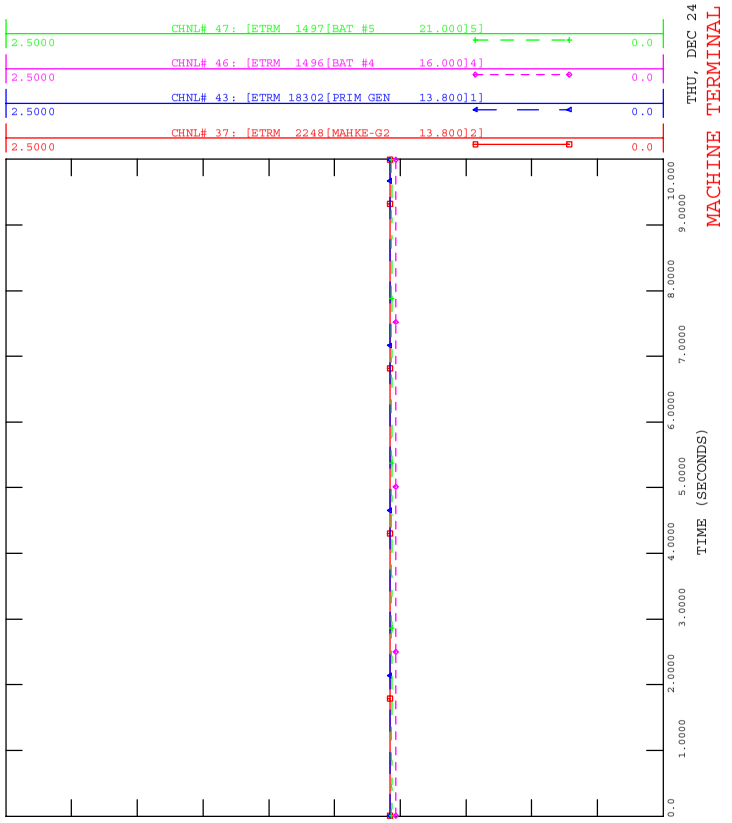


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MACHINE TERMINAL VOLTAGE

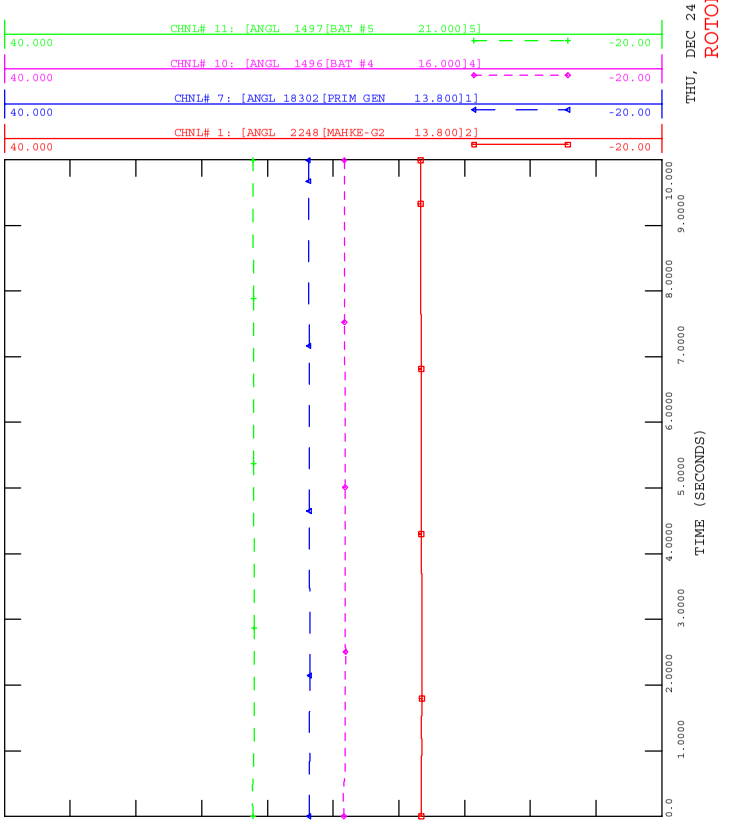


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

ROTOR ANGLES

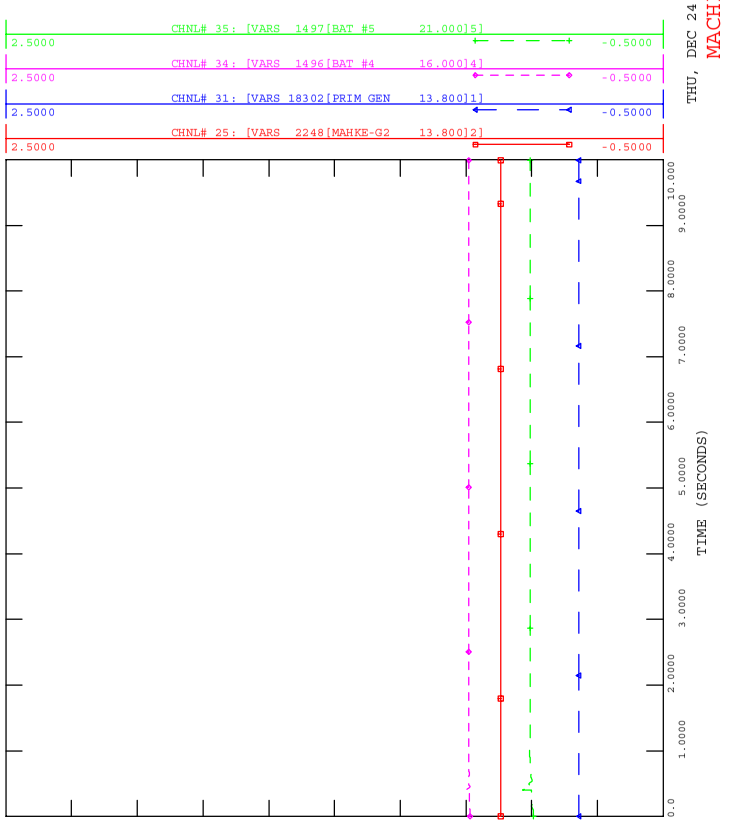


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MACHINE VARS

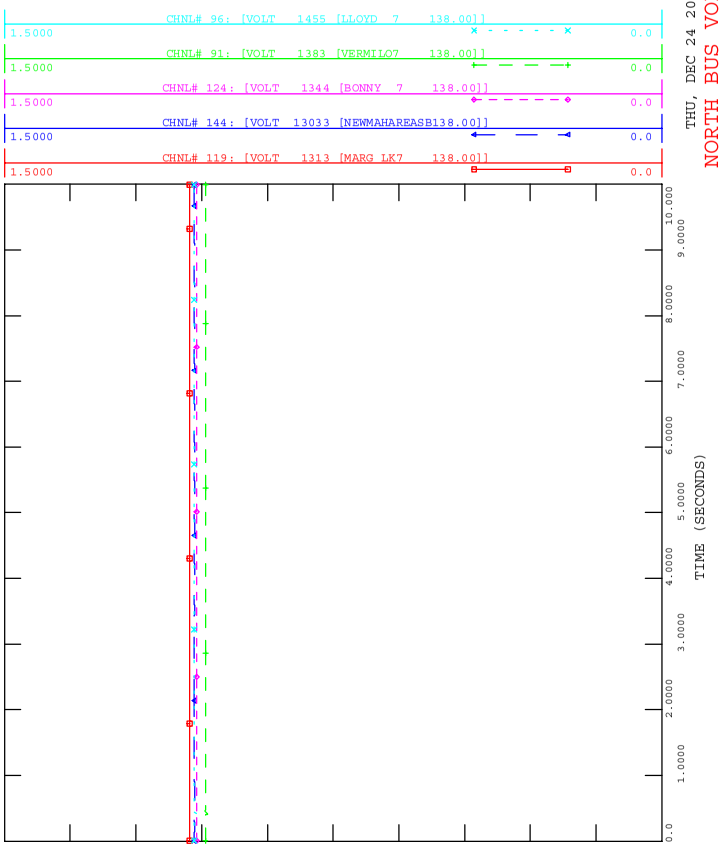


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

NORTH BUS VOLTAGES

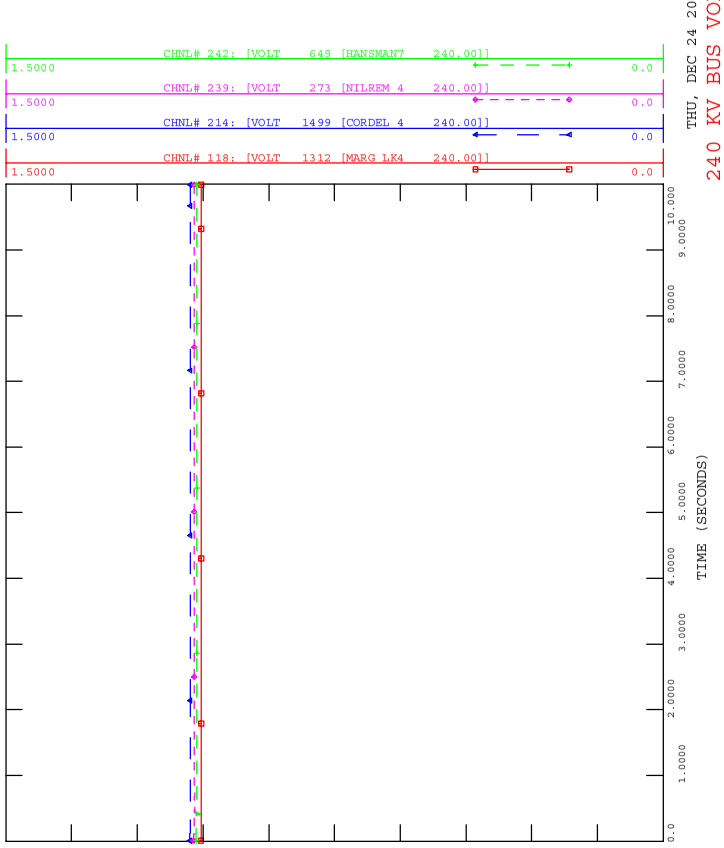


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

240 KV BUS VOLTAGES

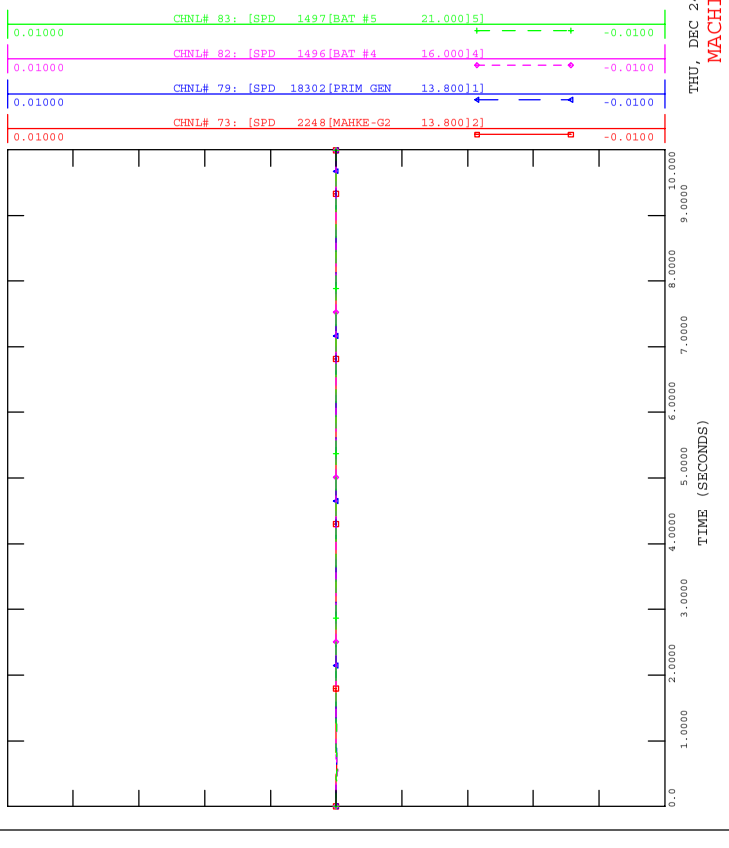


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MACHINE SPEED

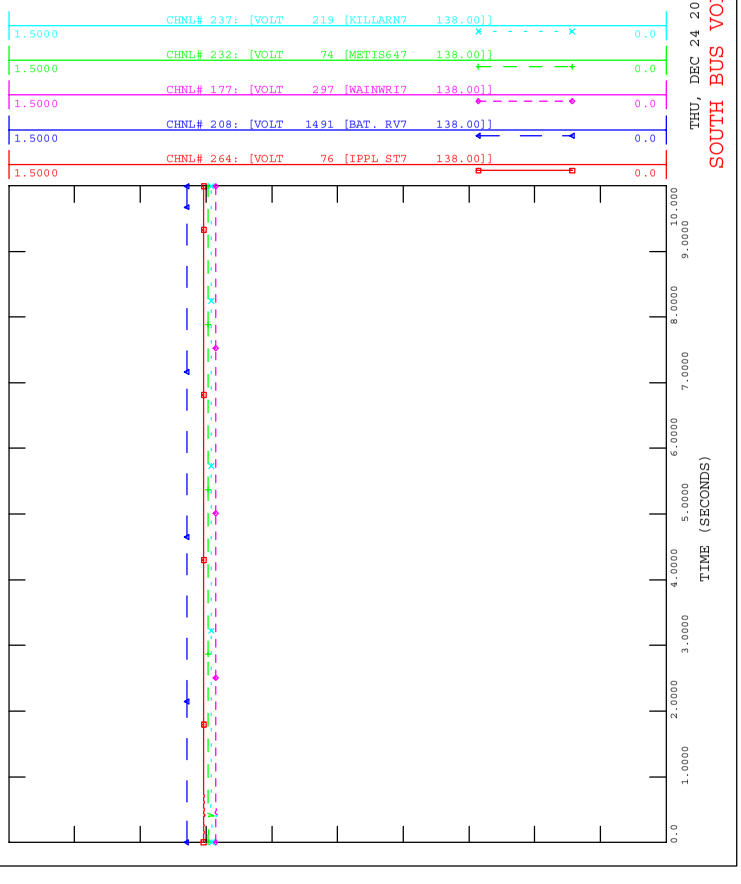


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

SOUTH BUS VOLTAGES

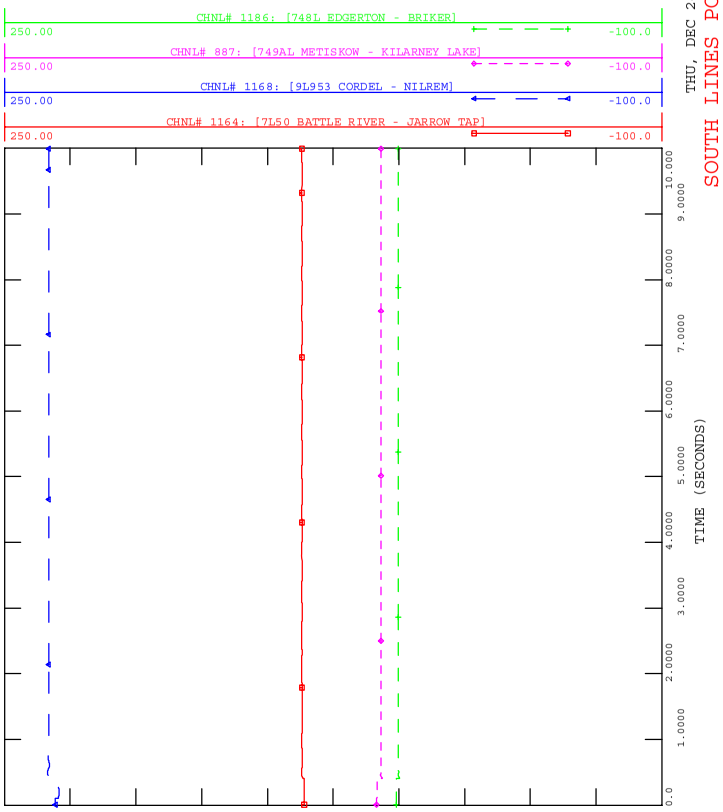


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

SOUTH LINES POWER FLOW

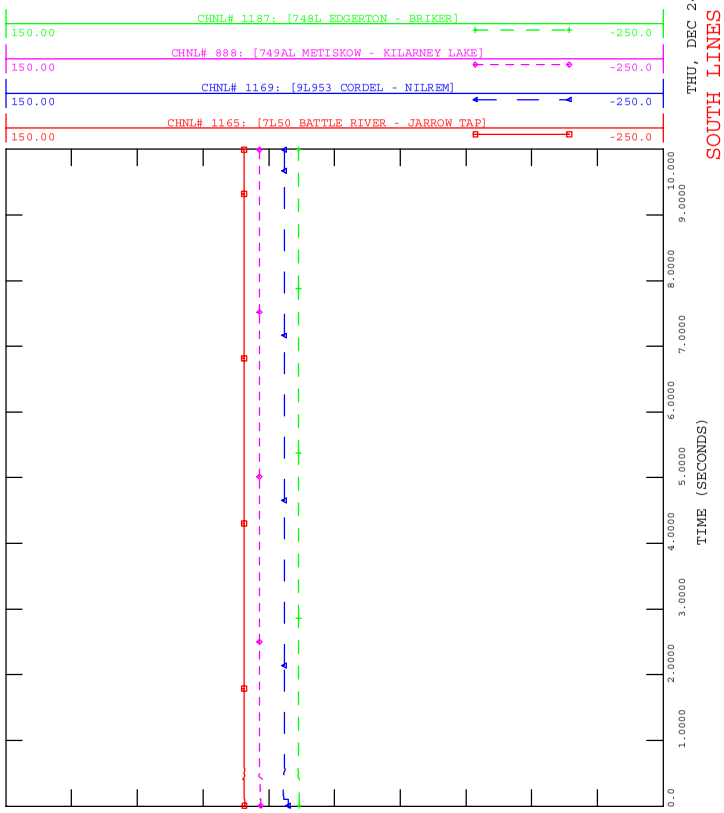


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

SOUTH LINES VAR FLOW

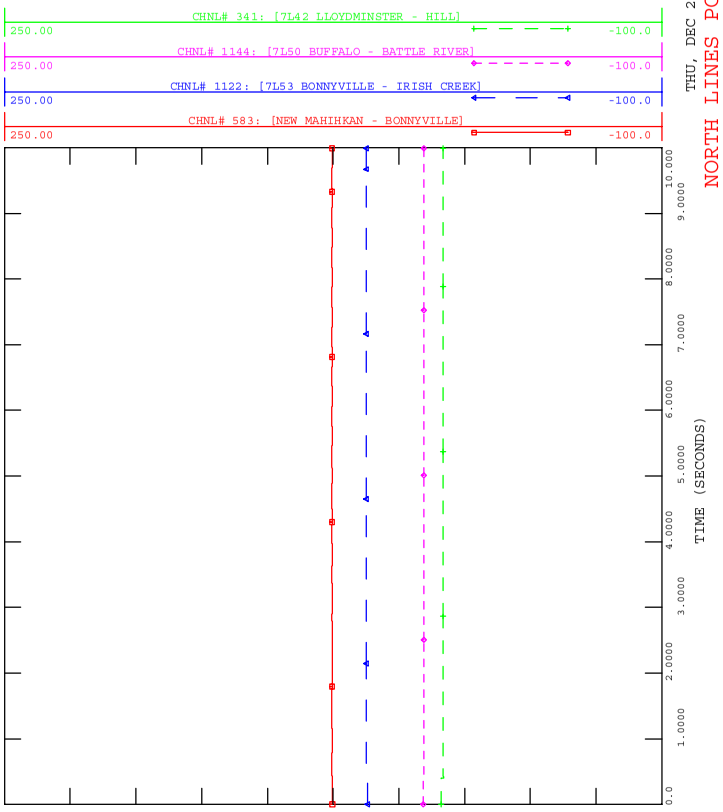


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

NORTH LINES POWER FLOW

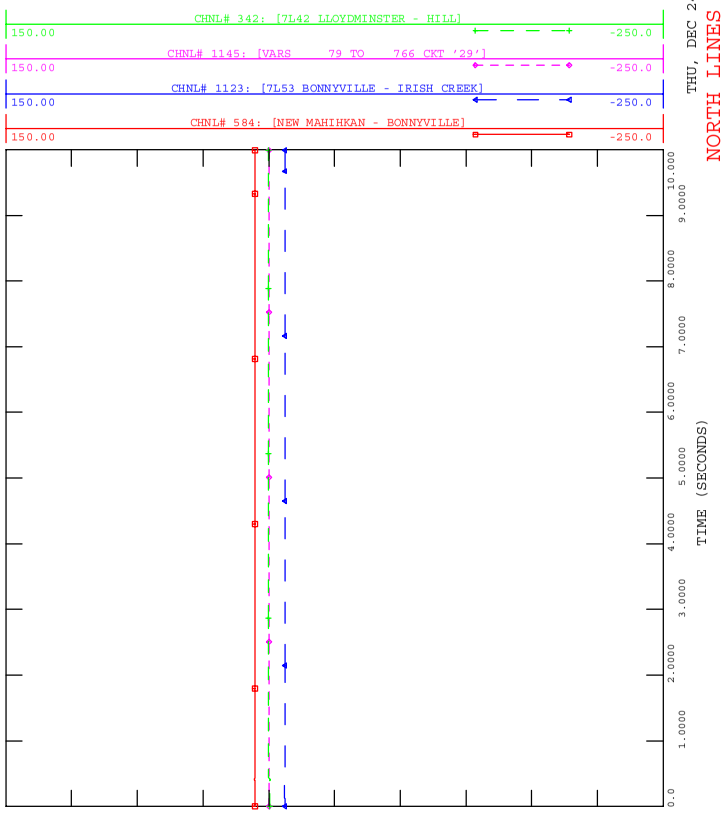


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

NORTH LINES VAR FLOW

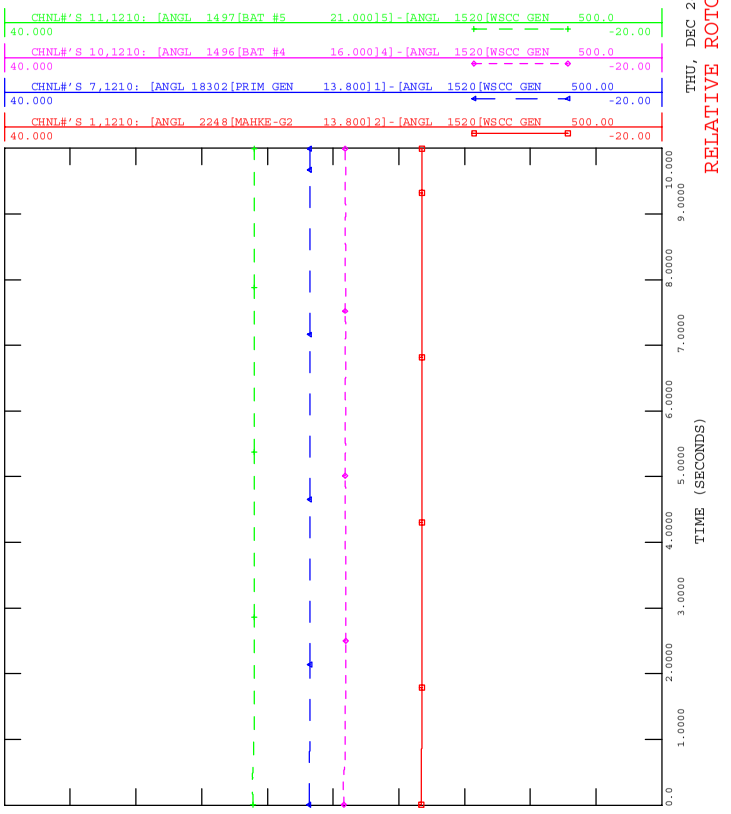


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

RELATIVE ROTOR ANGLES

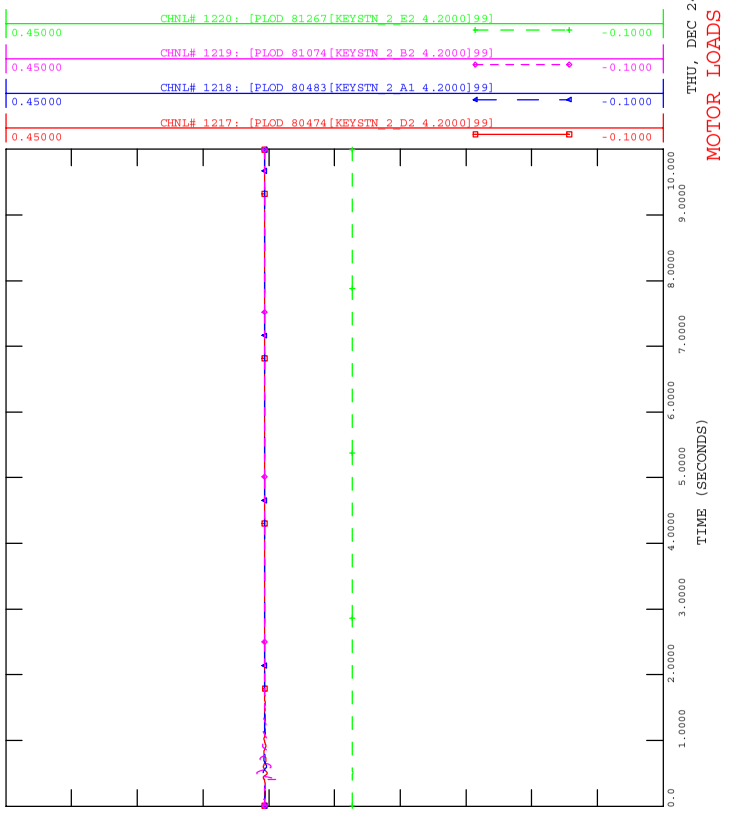


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP II

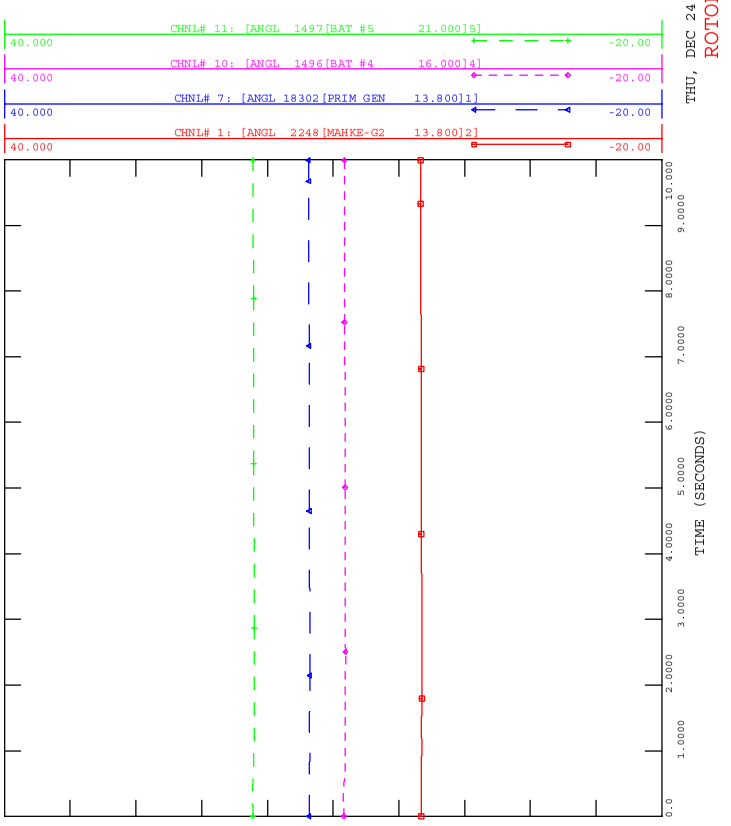


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

ROTOR ANGLES

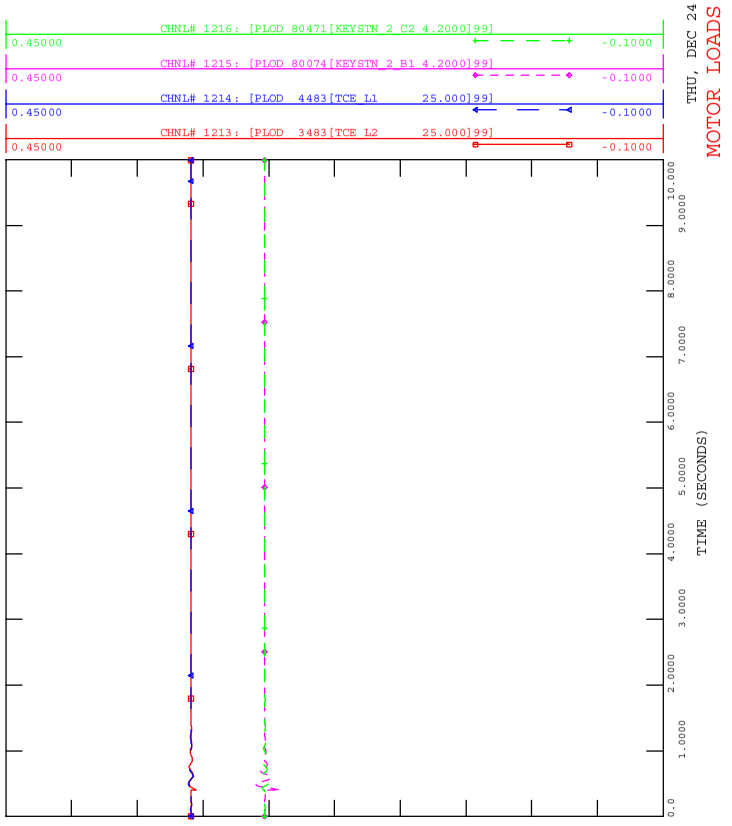


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP I

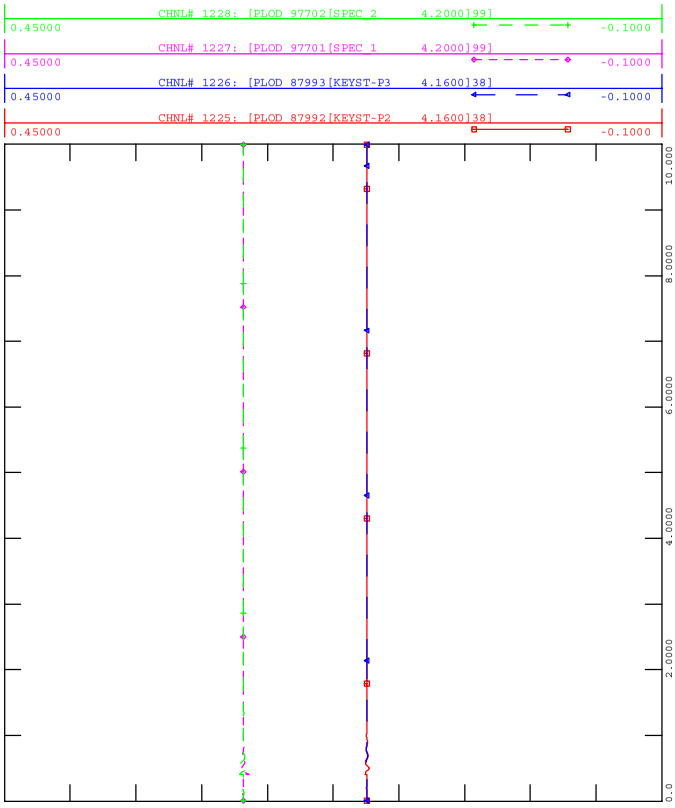


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP IV

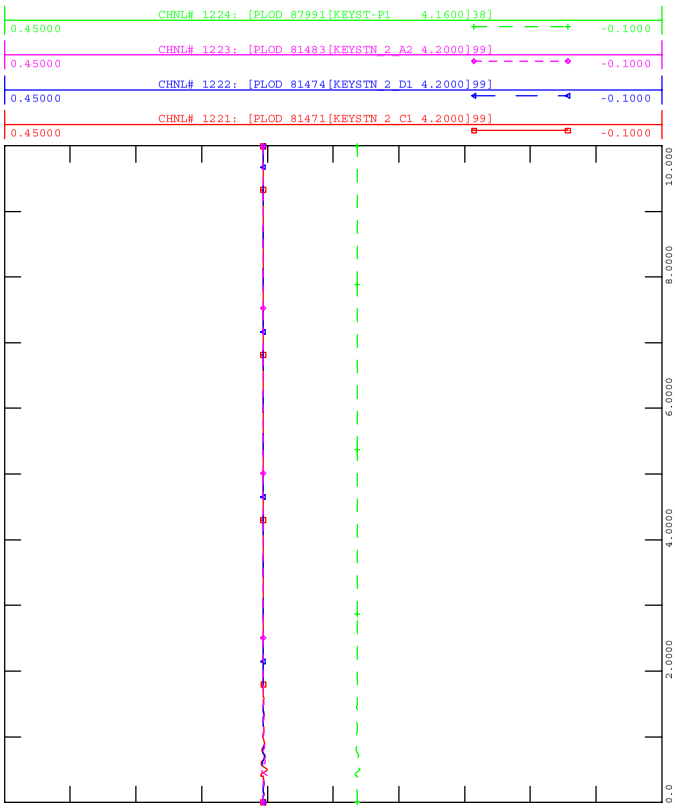


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-12fault.out

THU, DEC 24 2009 8:12

MOTOR LOADS GROUP III

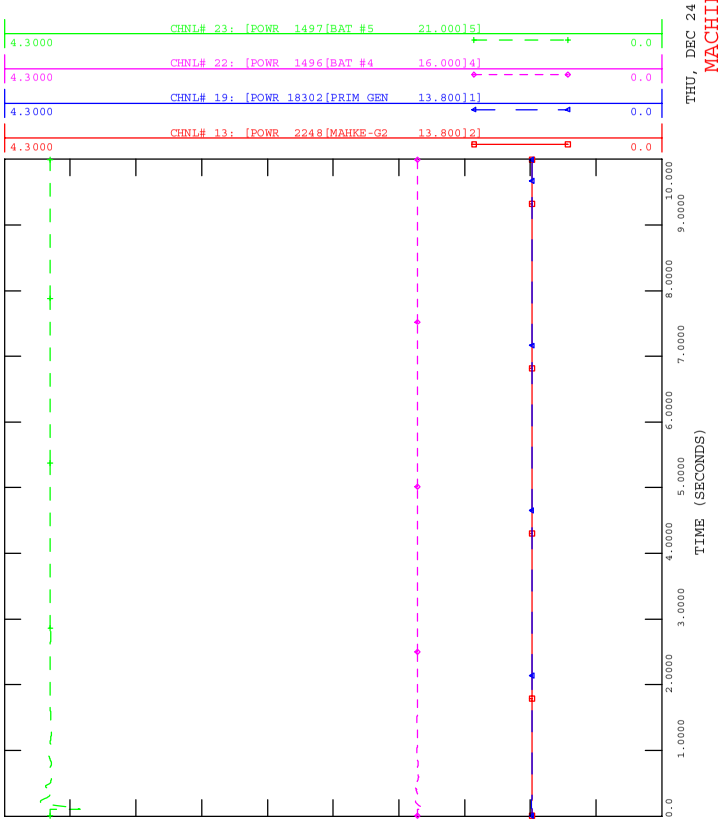


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

MACHINE POWER

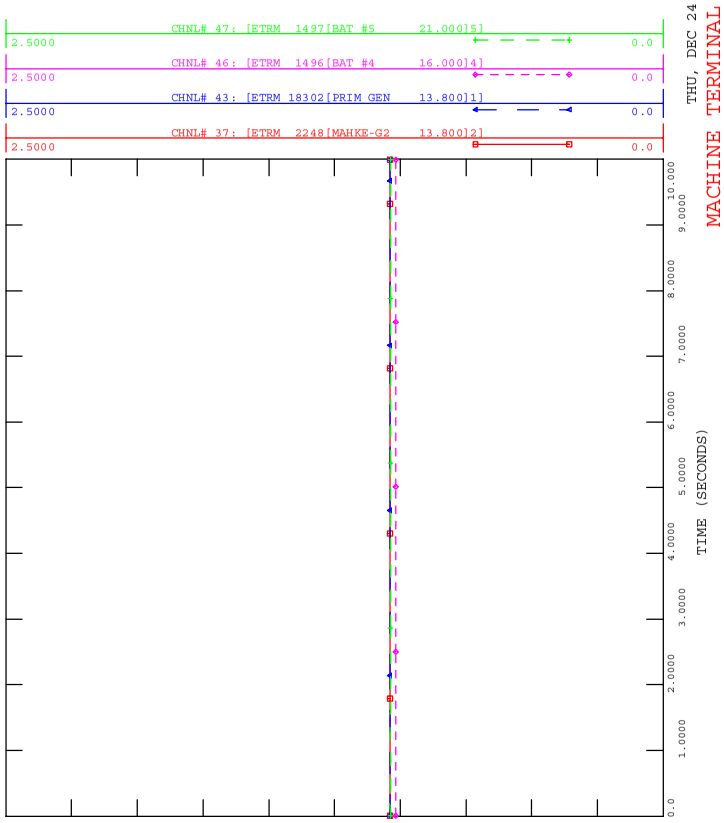


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

MACHINE TERMINAL VOLTAGE

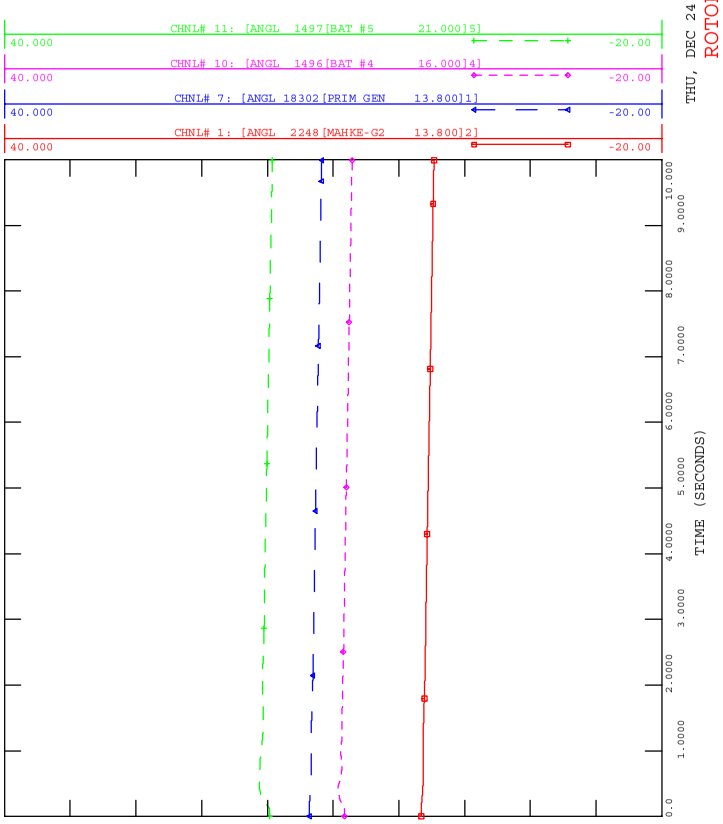


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

ROTOR ANGLES

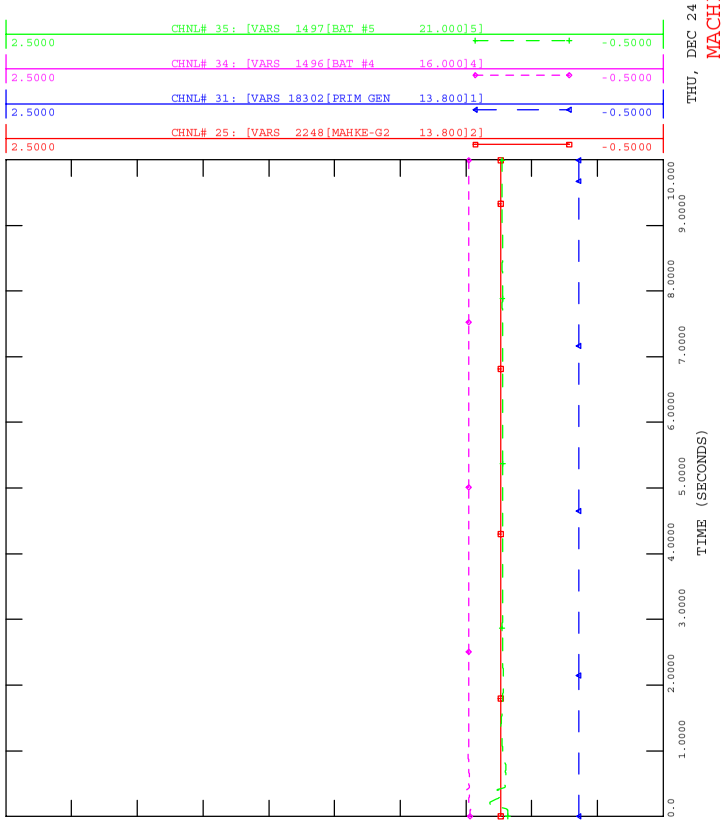


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

MACHINE VARS

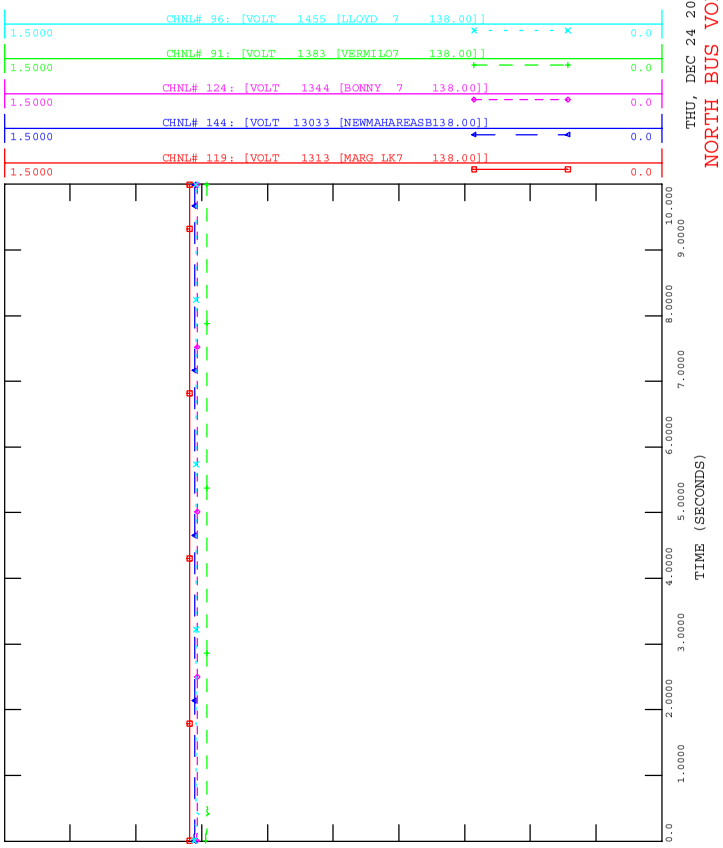


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

NORTH BUS VOLTAGES

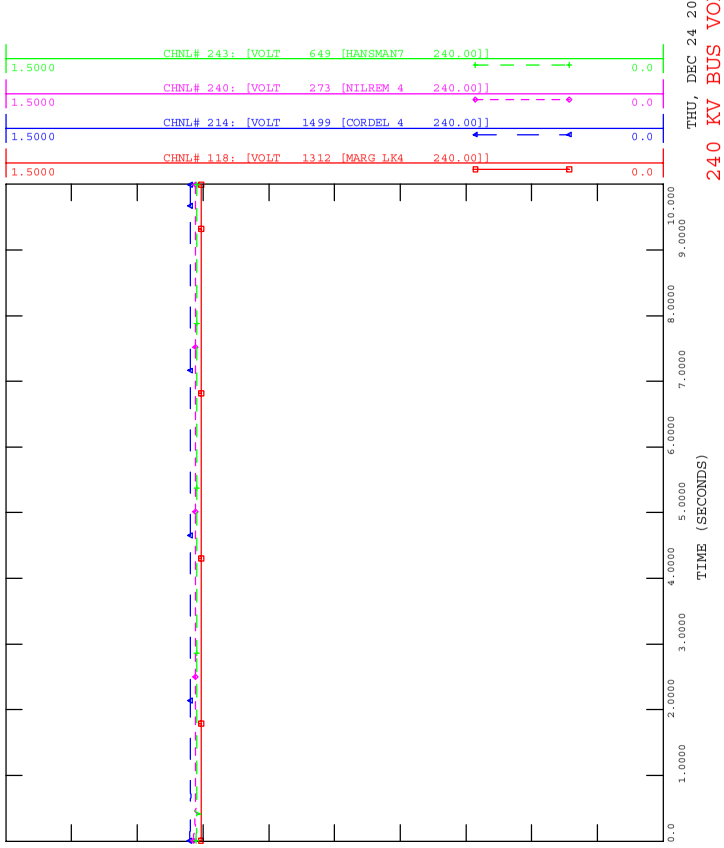


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

240 KV BUS VOLTAGES

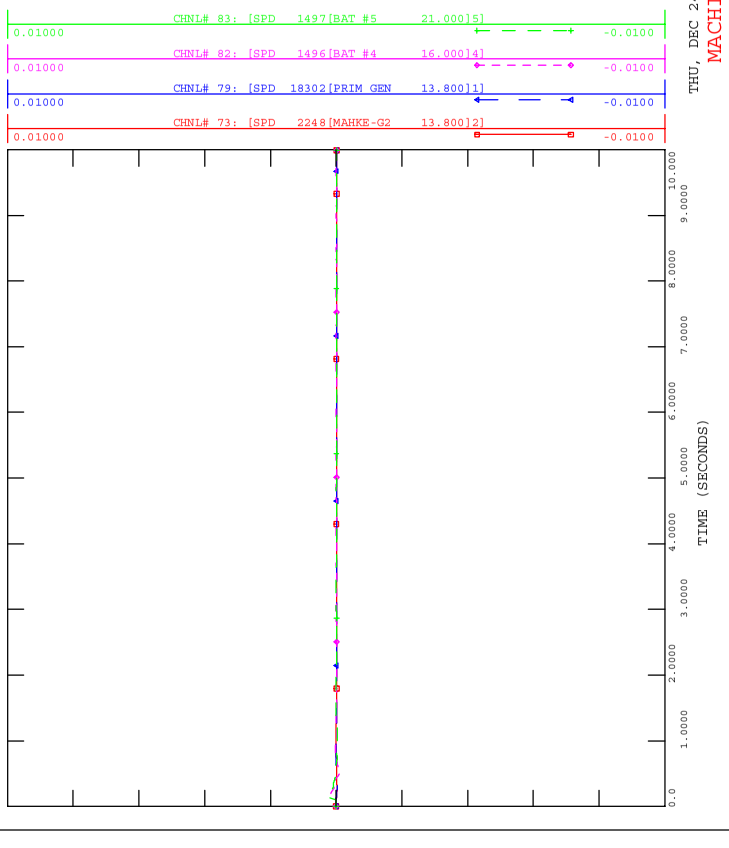


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

MACHINE SPEED

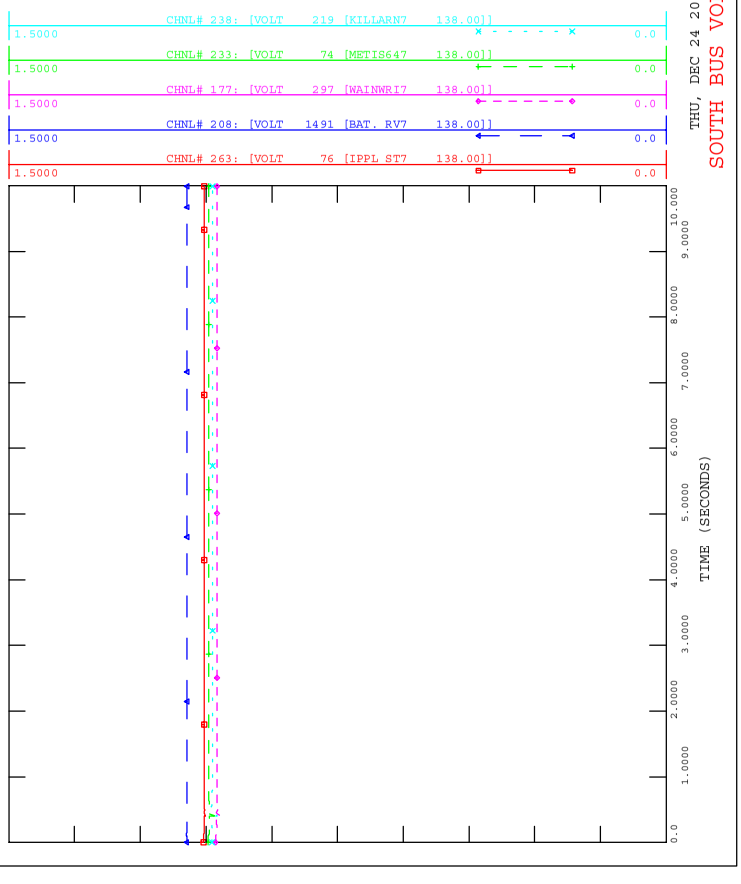


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

SOUTH BUS VOLTAGES

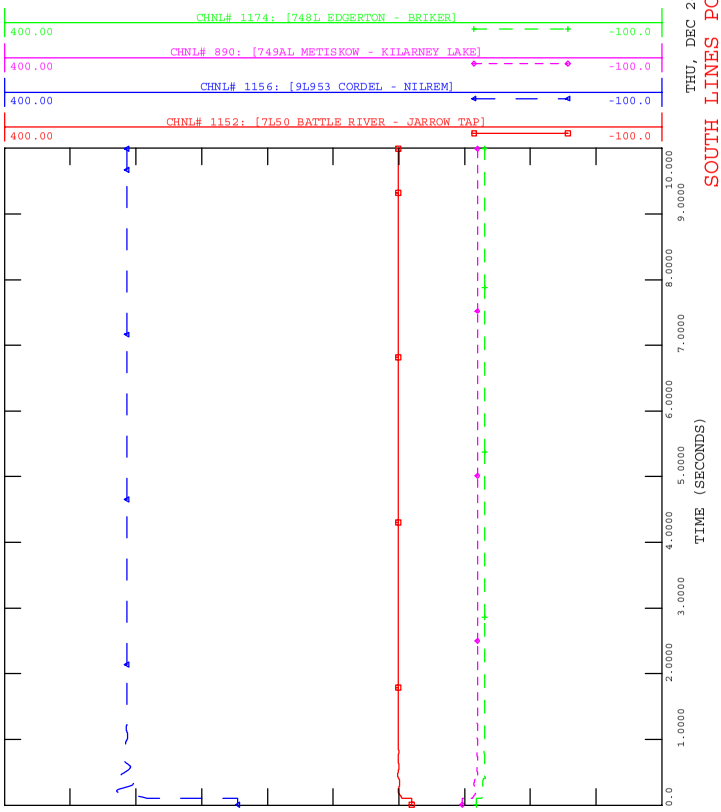


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

SOUTH LINES POWER FLOW

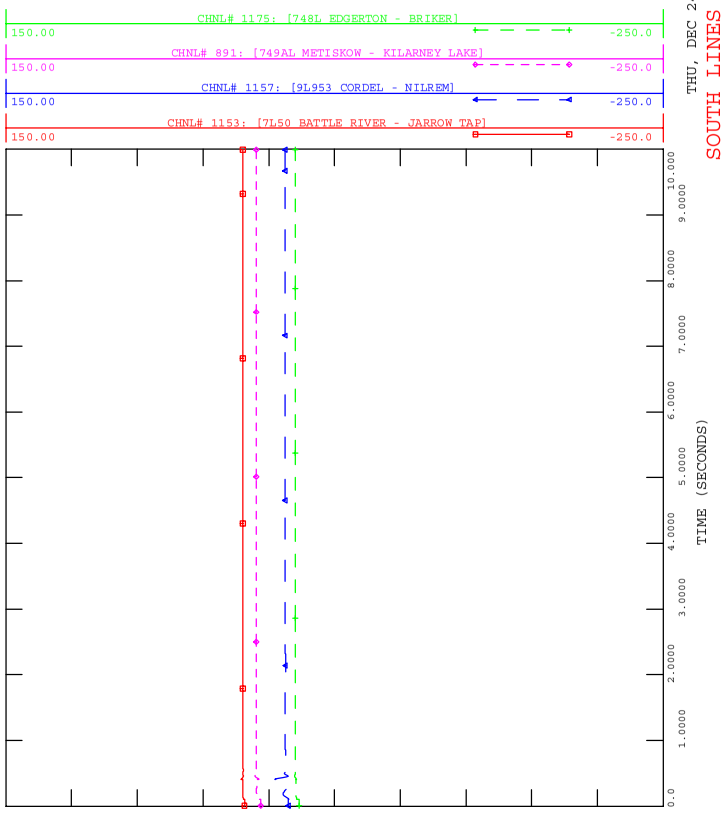


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

SOUTH LINES VAR FLOW

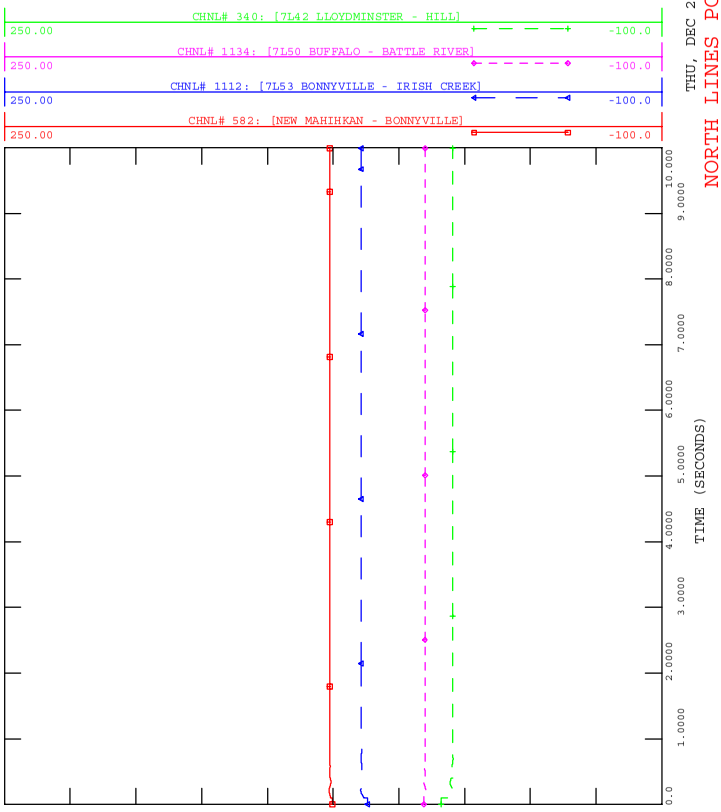


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

NORTH LINES POWER FLOW

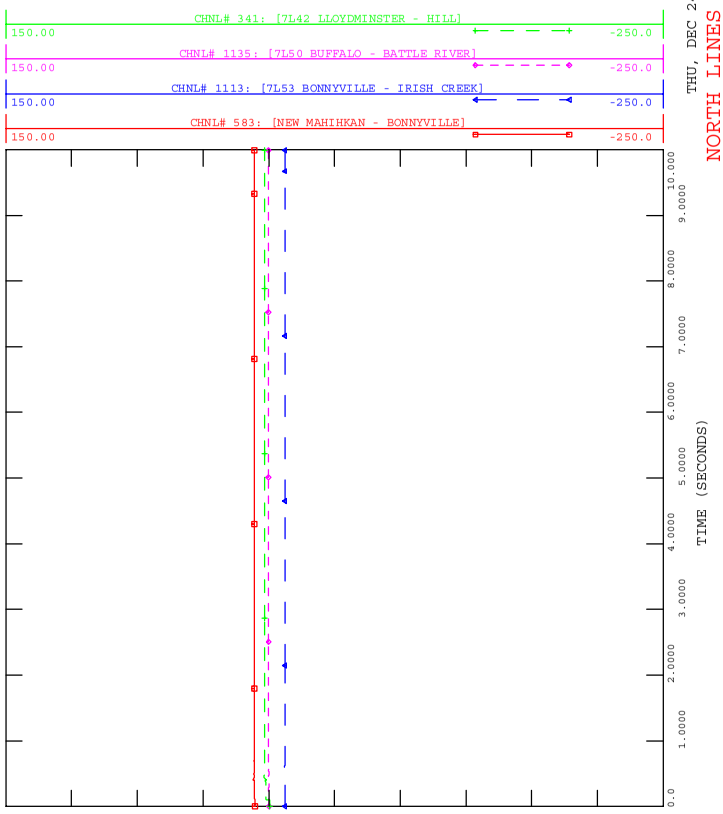


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

NORTH LINES VAR FLOW

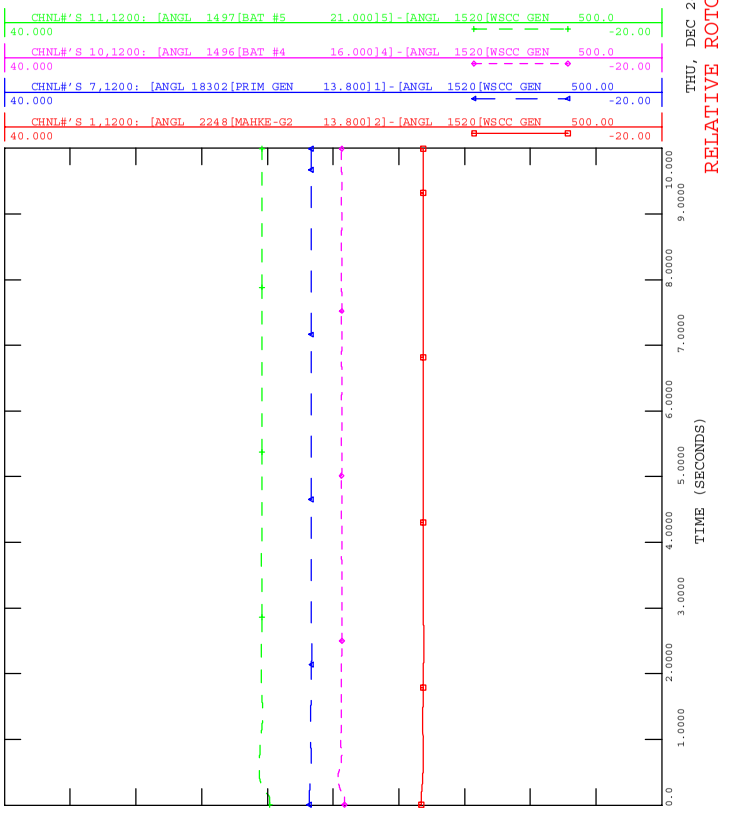


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

RELATIVE ROTOR ANGLES

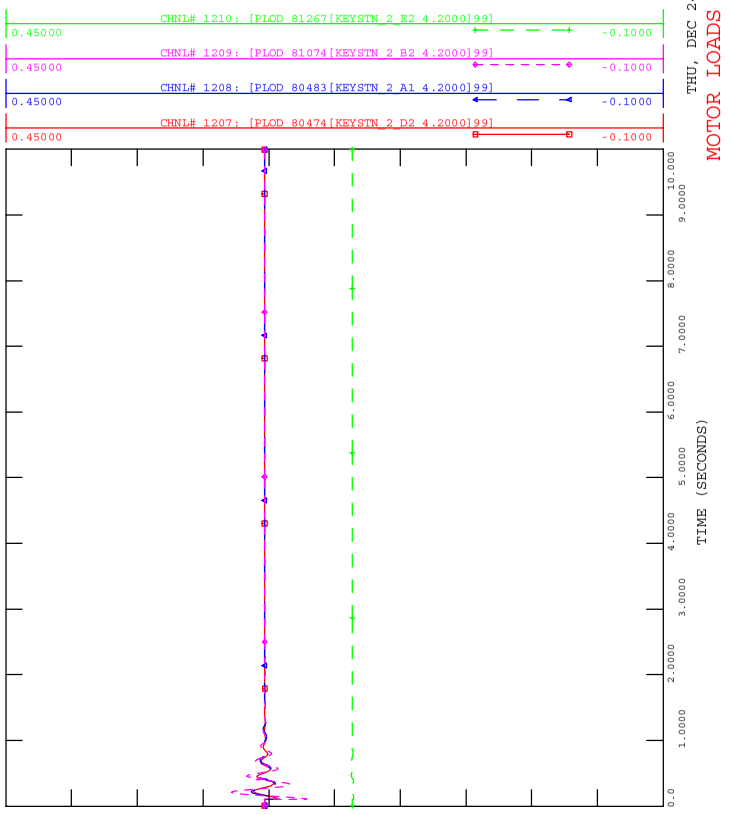


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

MOTOR LOADS GROUP II

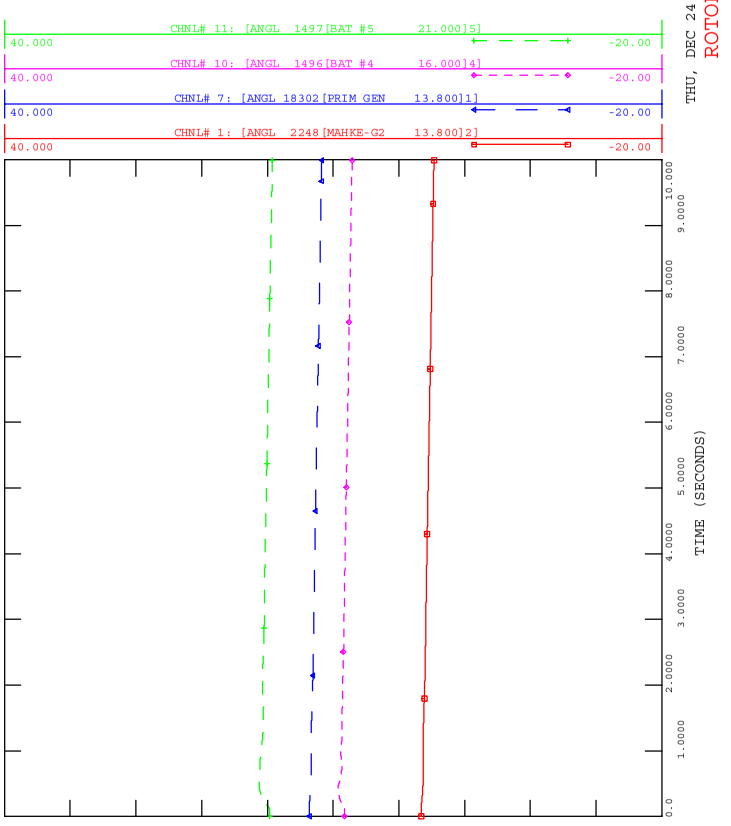


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out

THU, DEC 24 2009 10:03

ROTOR ANGLES

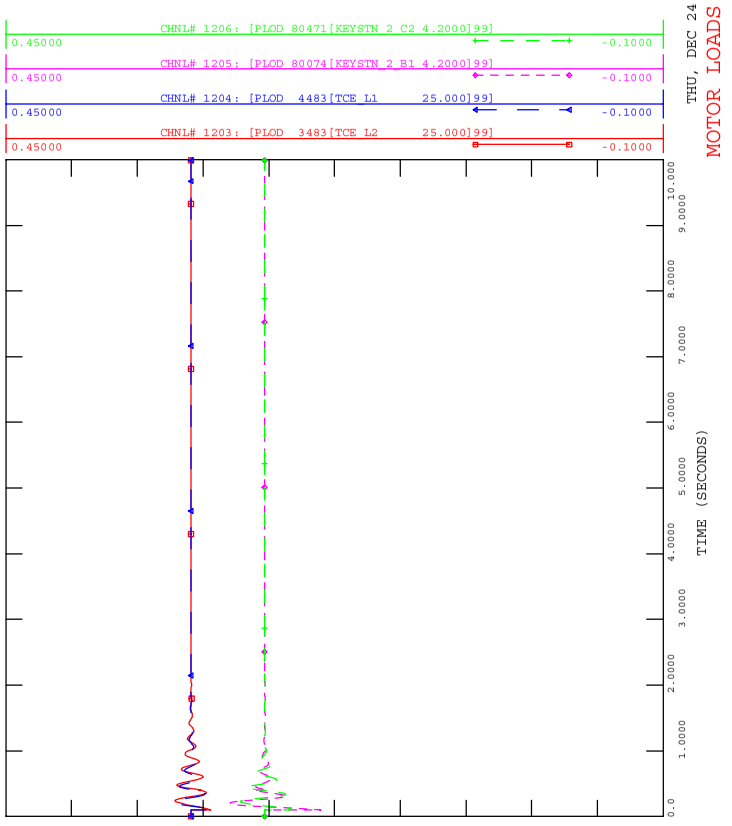


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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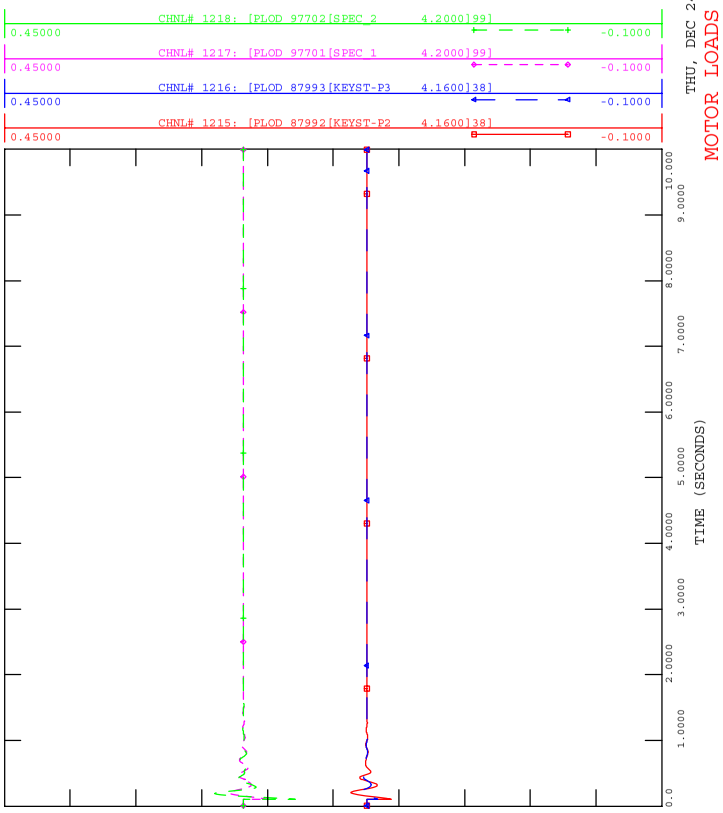
THU, DEC 24 2009 10:03

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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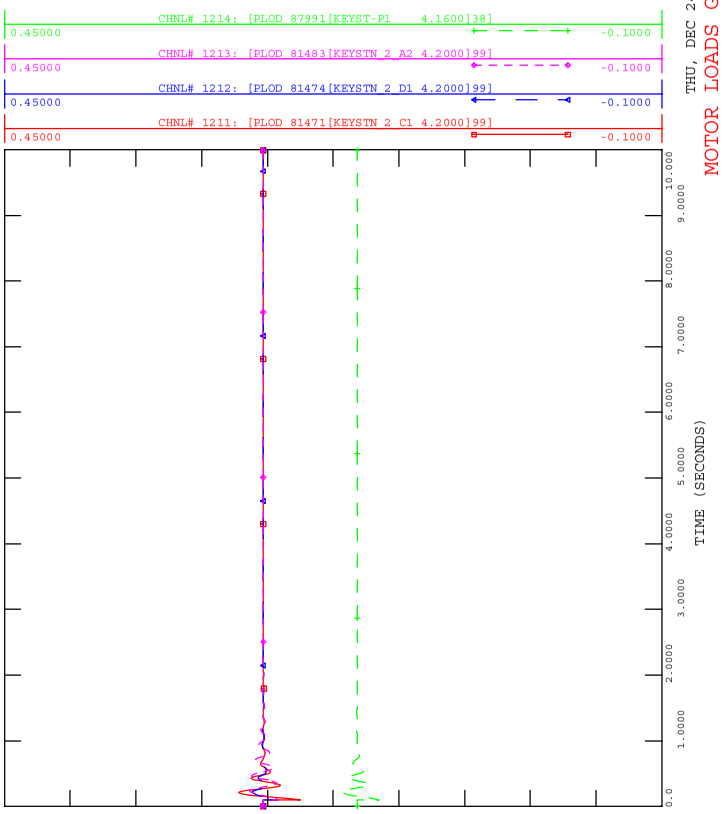


THU, DEC 24 2009 10:03

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: C7-13fault.out



THU, DEC 24 2009 10:03

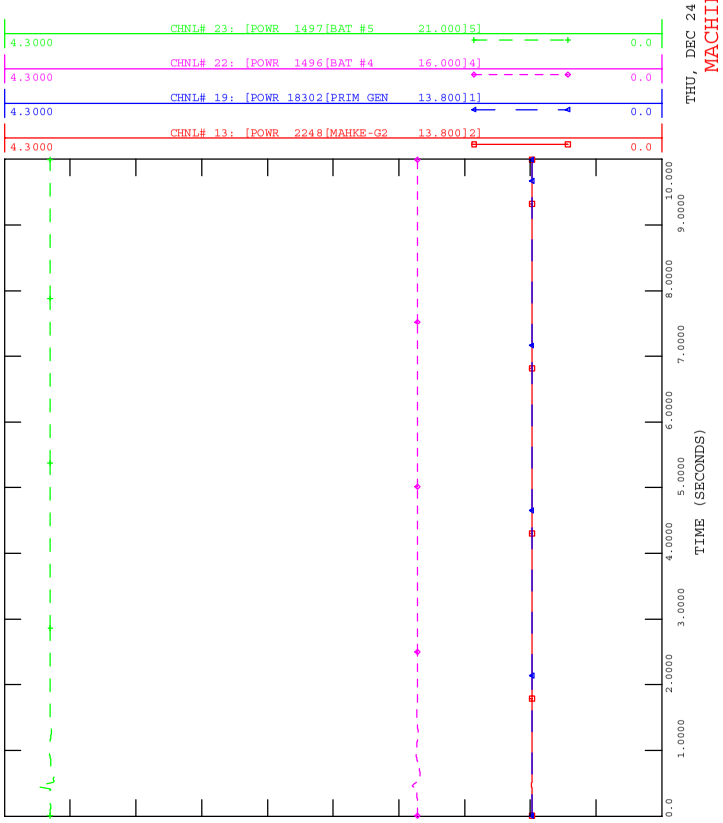
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

MACHINE POWER

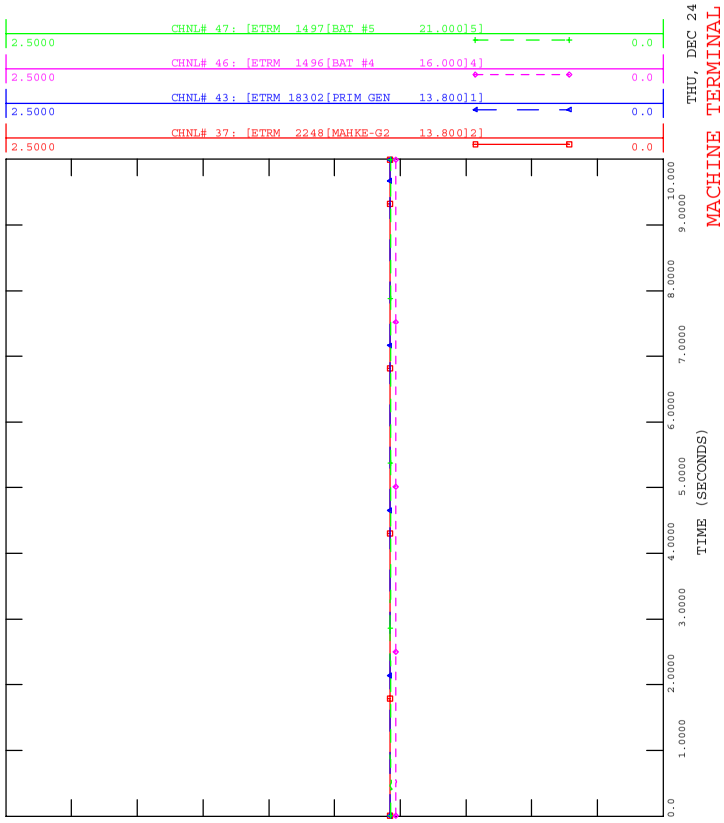


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

MACHINE TERMINAL VOLTAGE

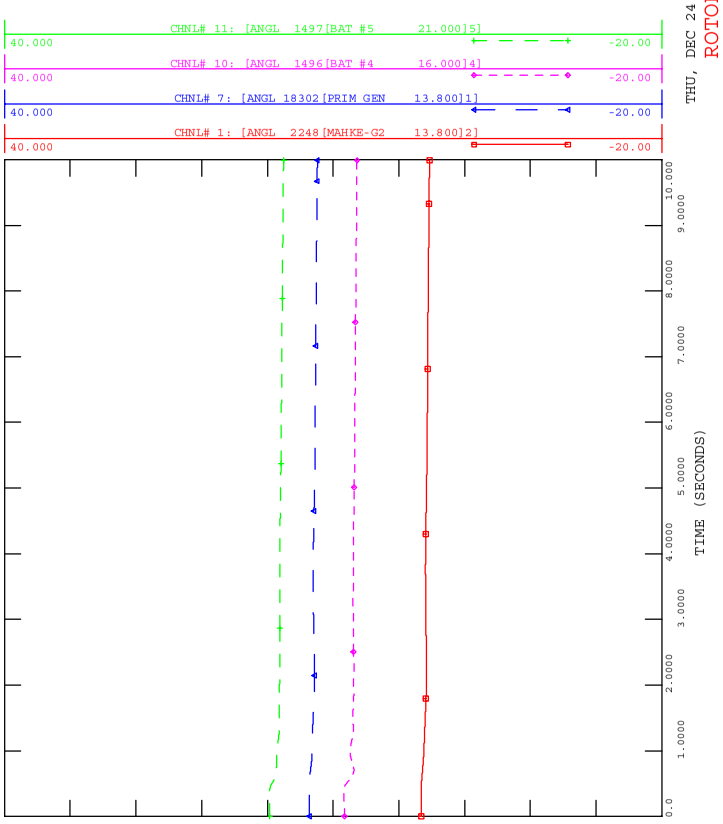


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

ROTOR ANGLES

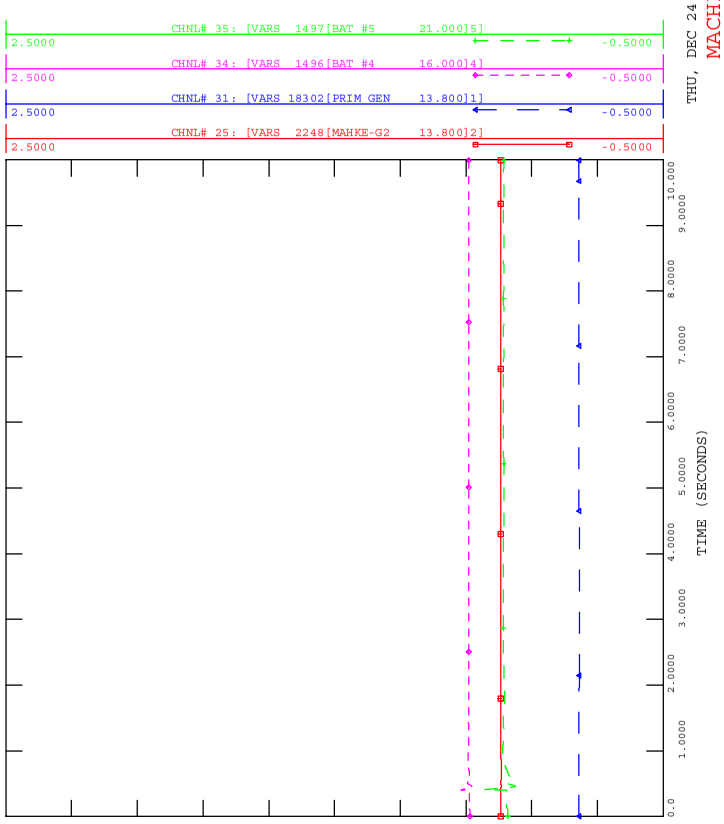


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

MACHINE VARS

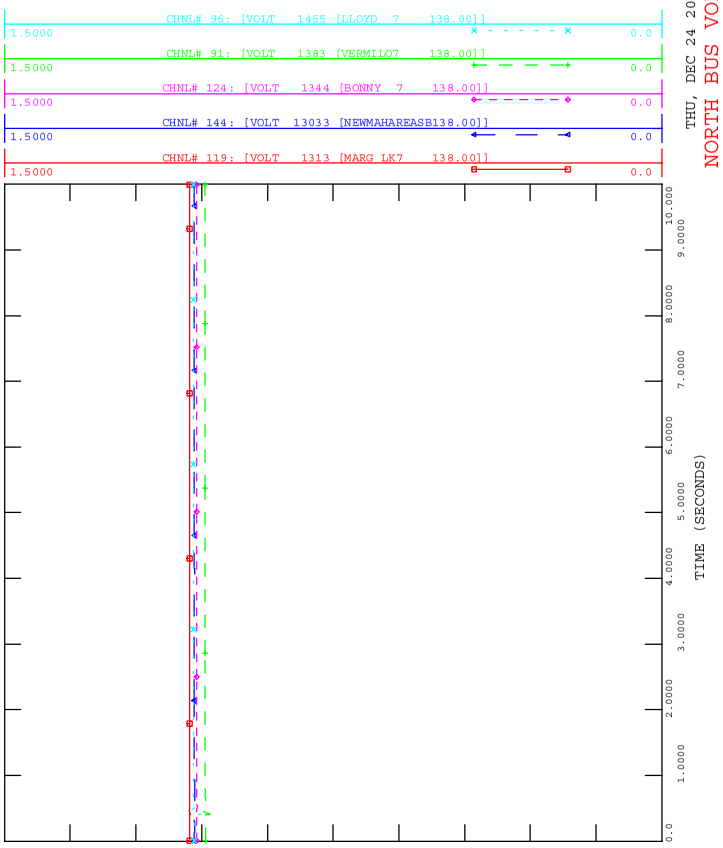


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 10:07

NORTH BUS VOLTAGES

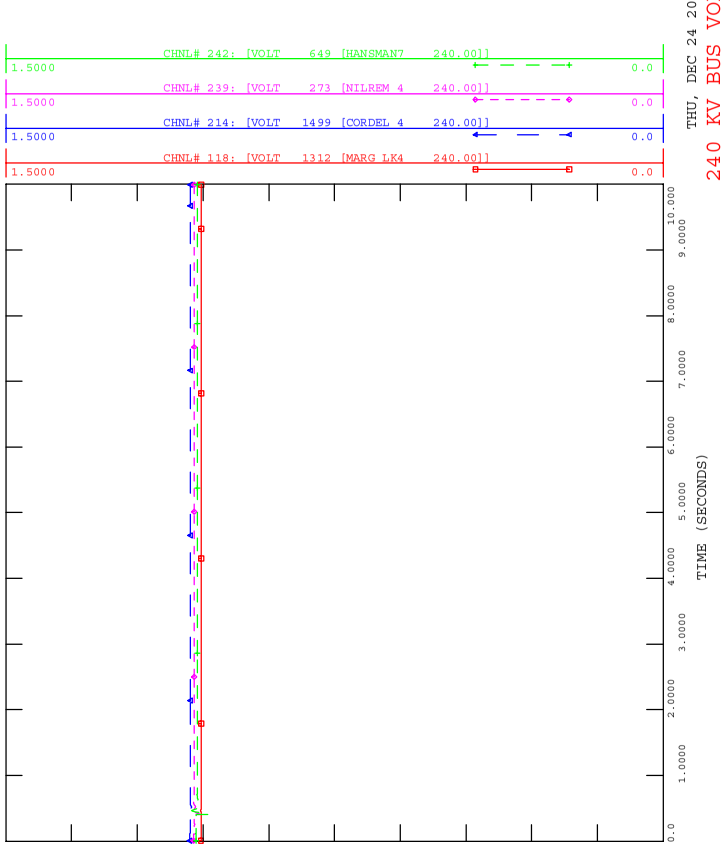


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

240 KV BUS VOLTAGES

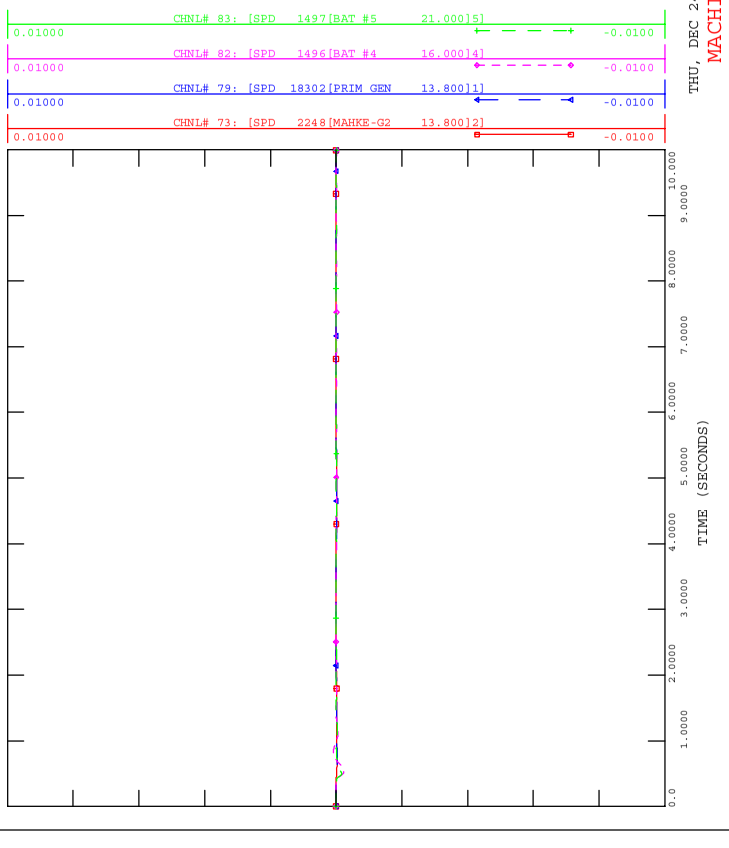


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

MACHINE SPEED

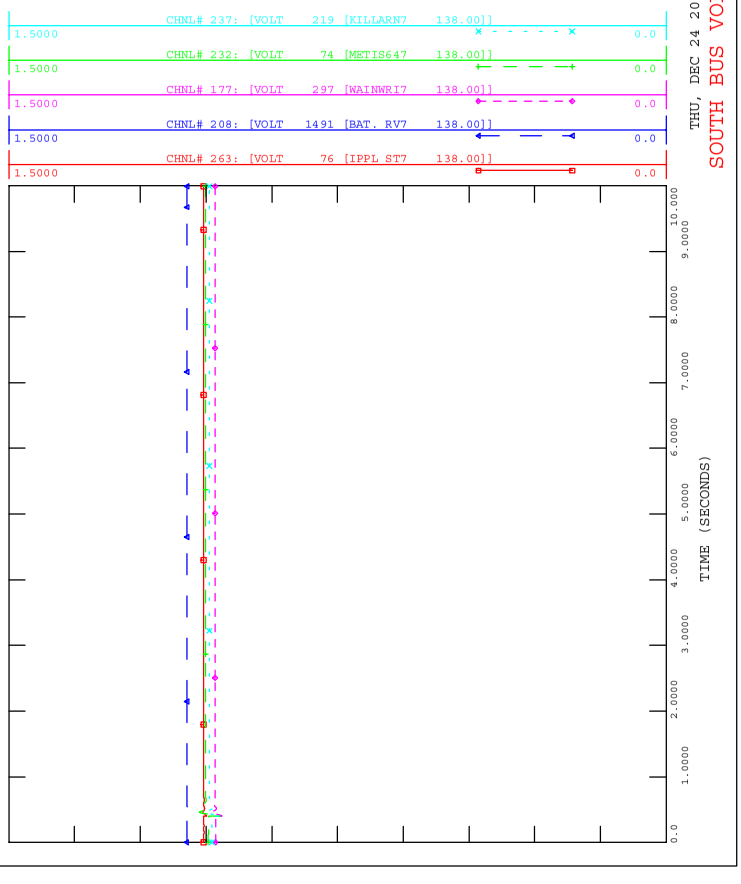


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 10:07

SOUTH BUS VOLTAGES

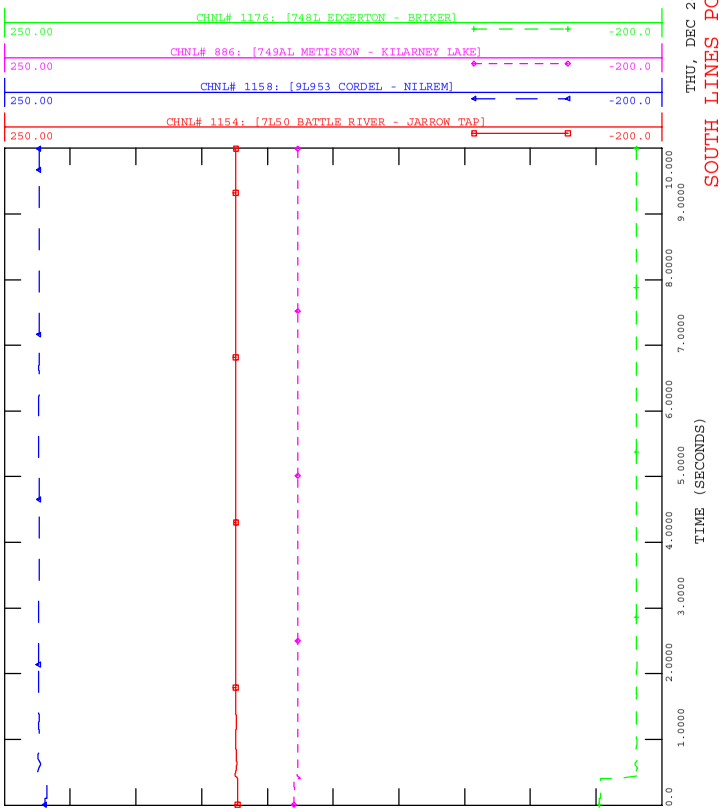


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

SOUTH LINES POWER FLOW

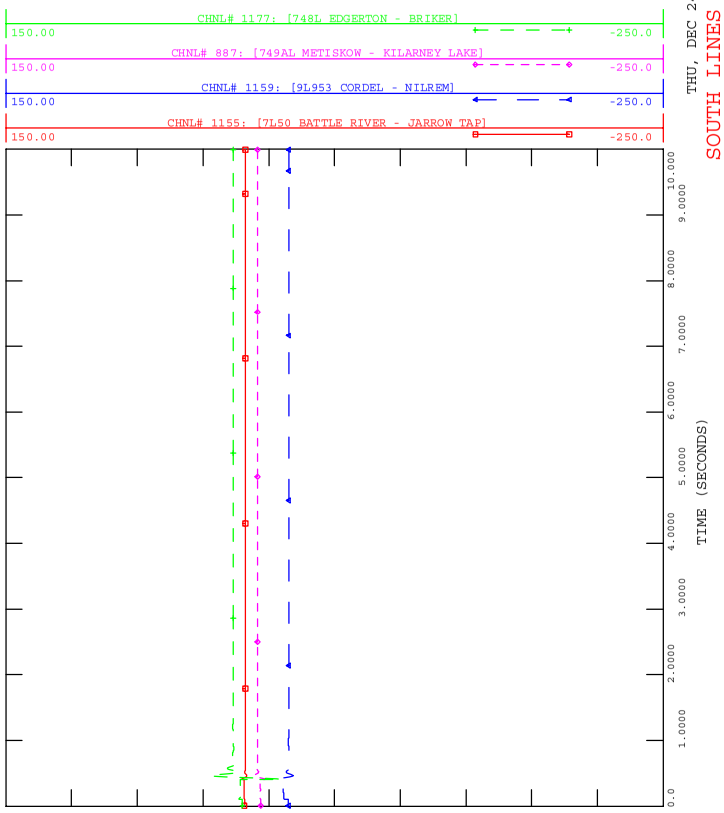


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

SOUTH LINES VAR FLOW

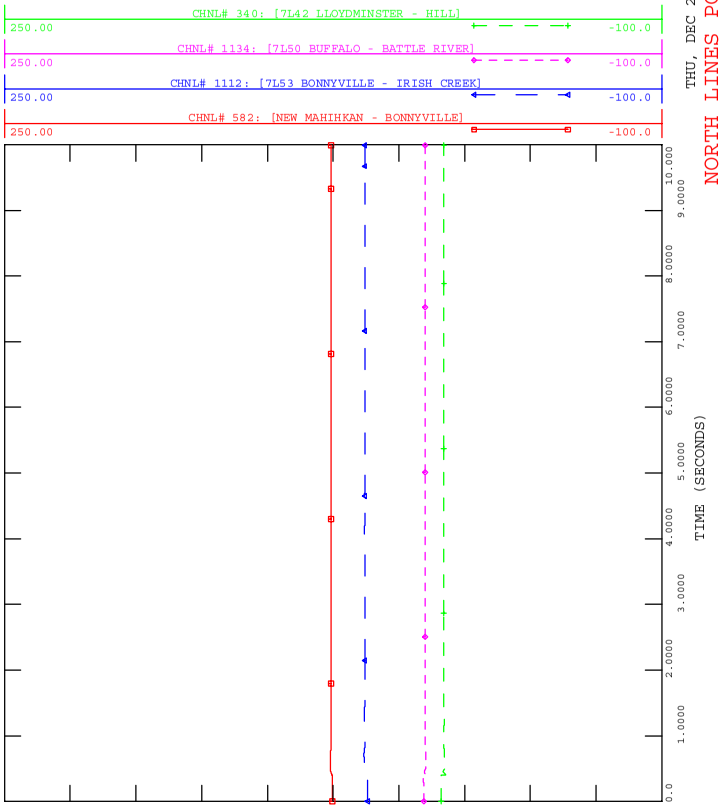


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

NORTH LINES POWER FLOW

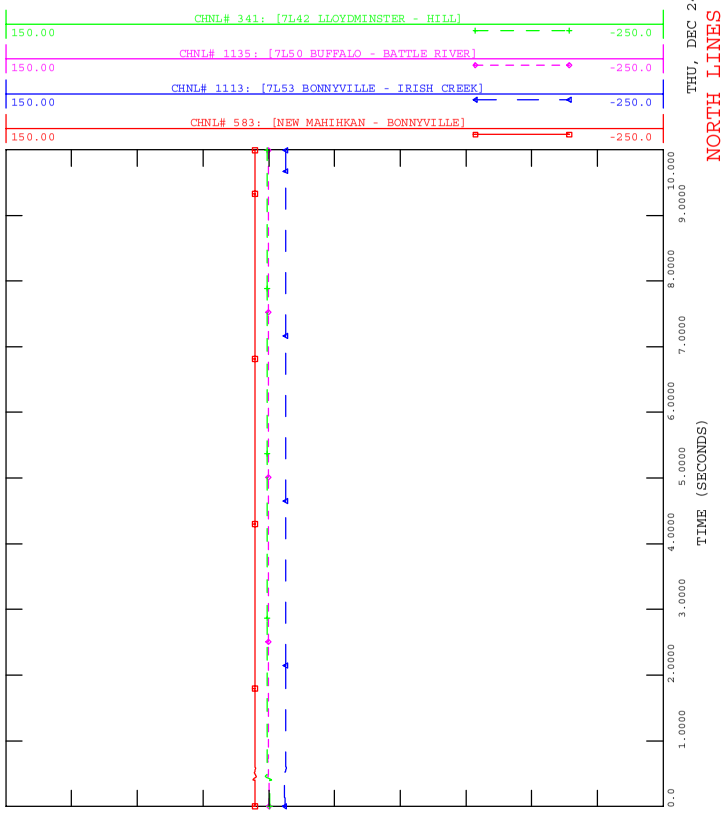


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 10:07

NORTH LINES VAR FLOW

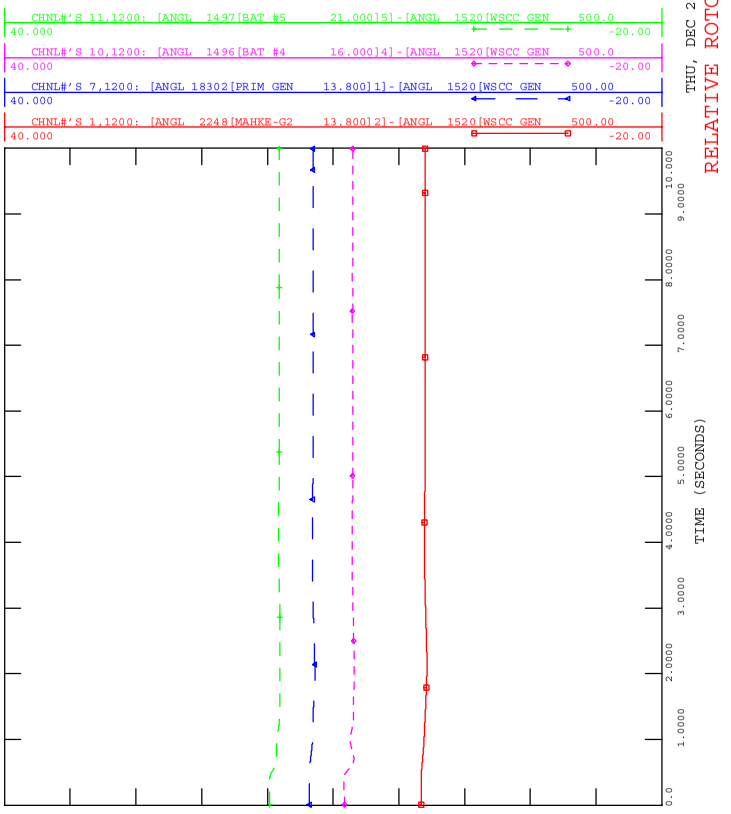


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

RELATIVE ROTOR ANGLES

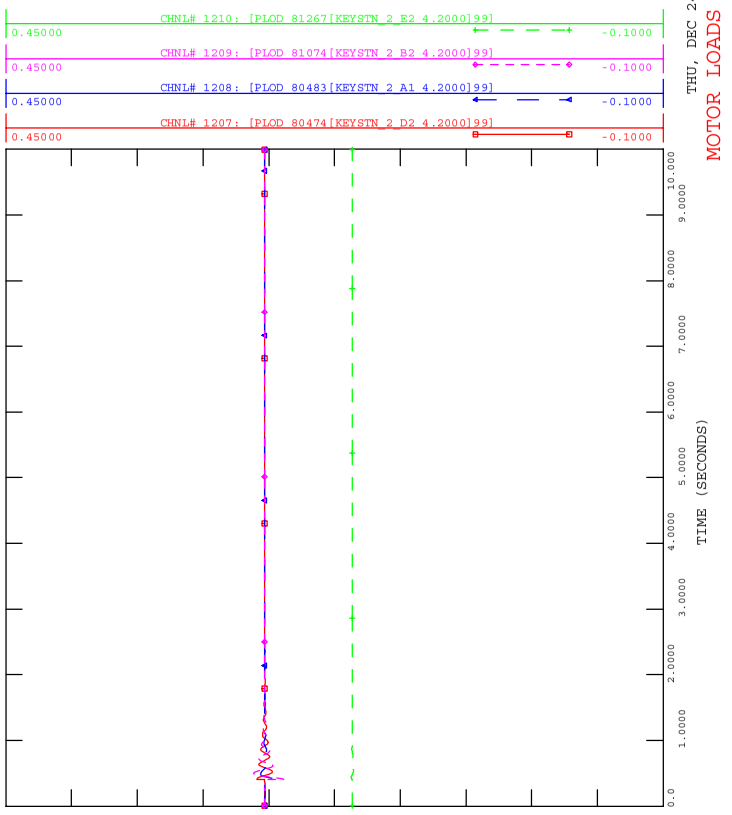


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out

THU, DEC 24 2009 10:07

MOTOR LOADS GROUP II

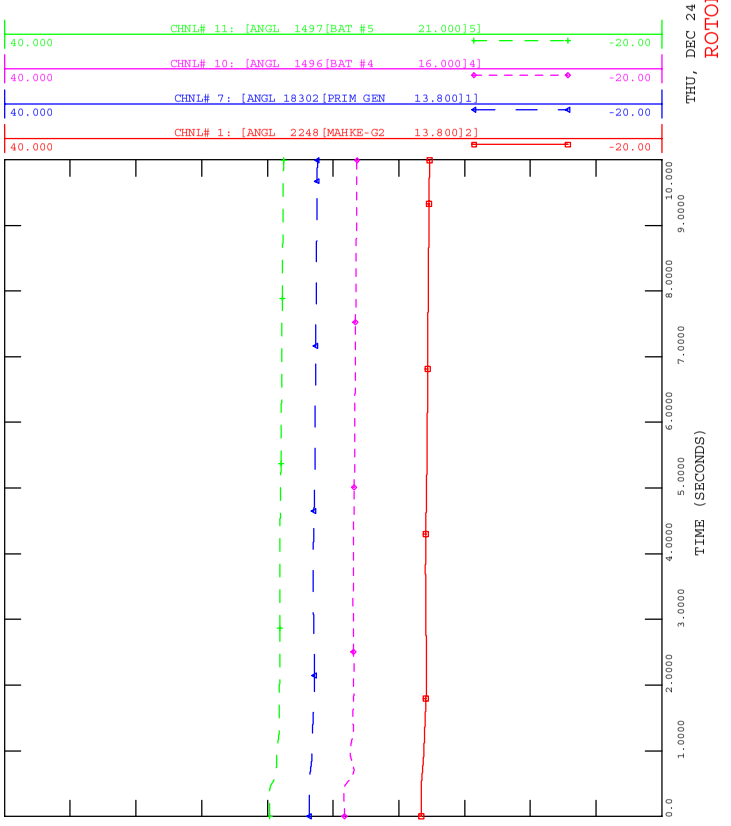


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

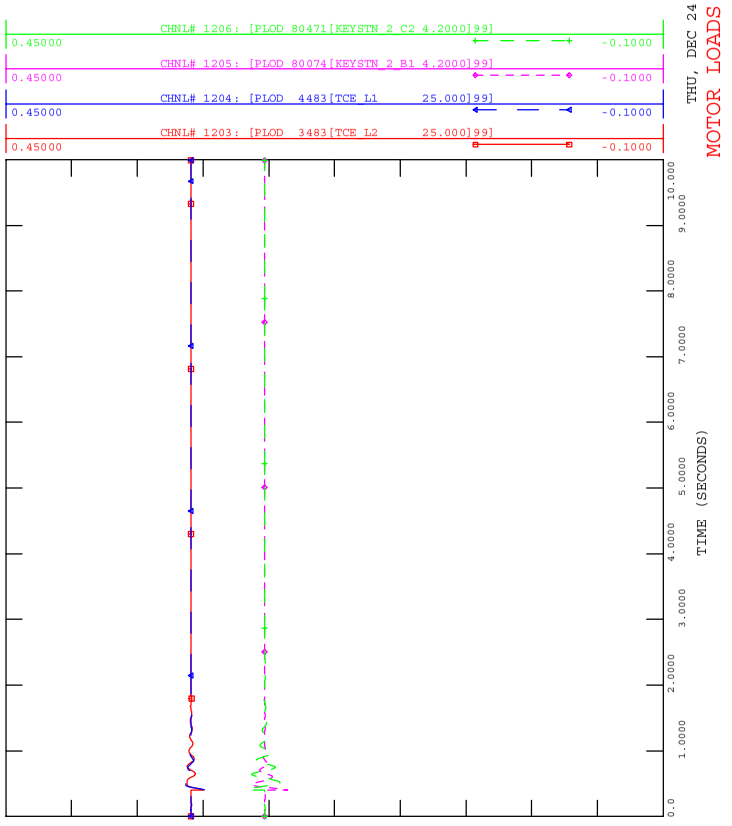


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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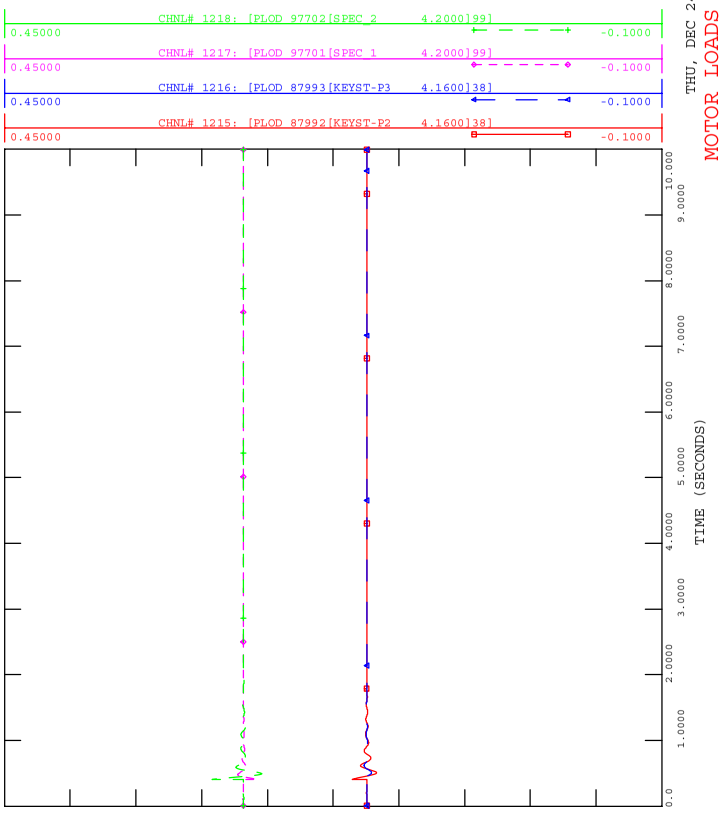
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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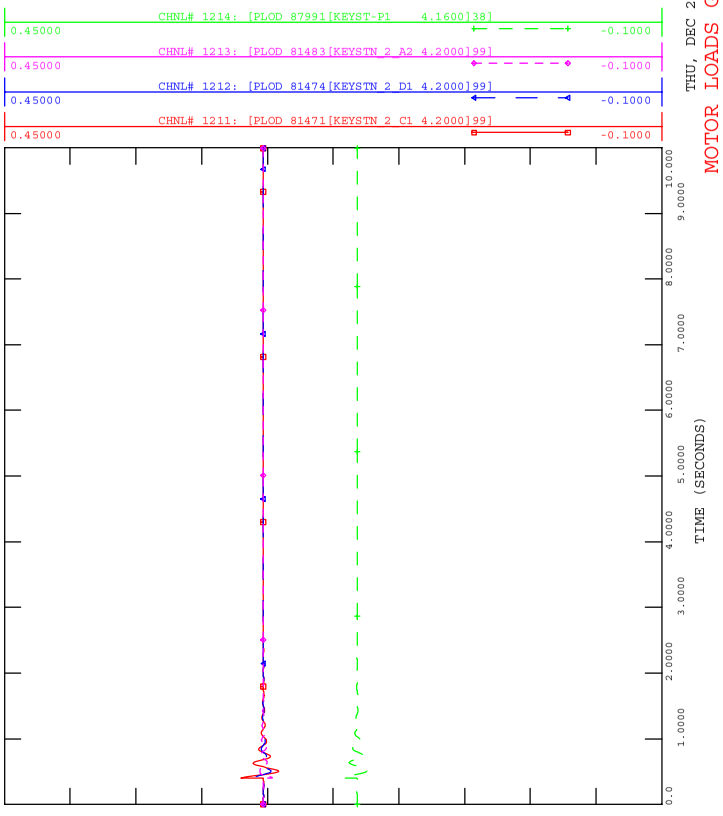


THU, DEC 24 2009 10:07

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: c7-14fault.out



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MOTOR LOADS GROUP III

Dynamic Stability Plots

2017 Winter Peak

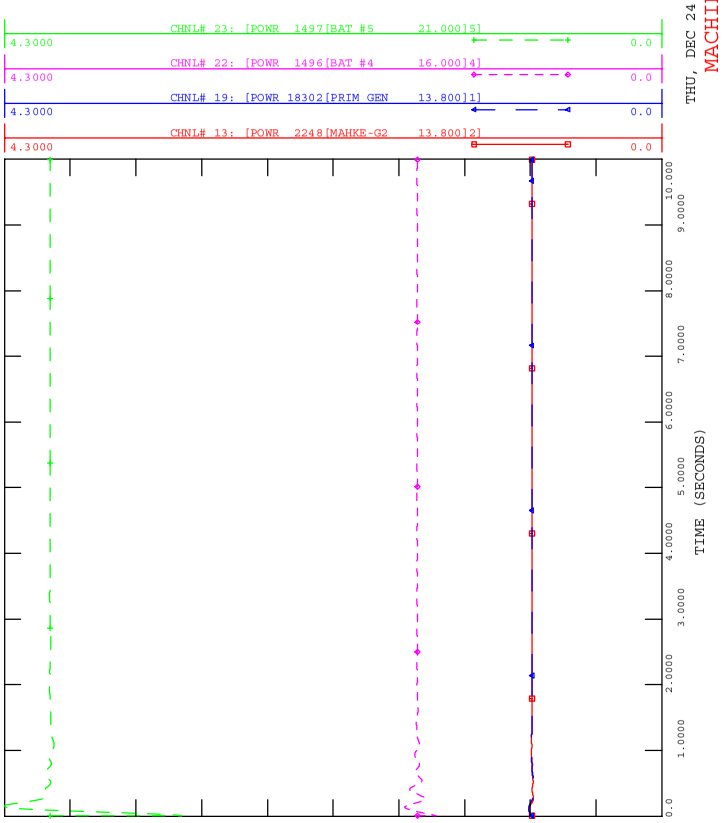
Category D Contingencies

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

THU, DEC 24 2009 8:13

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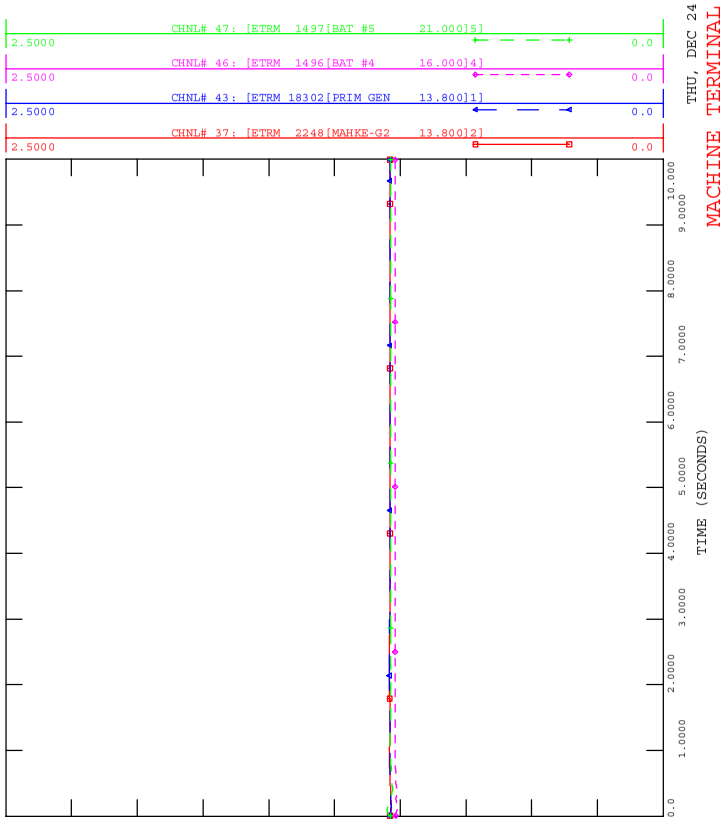


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:13

MACHINE TERMINAL VOLTAGE

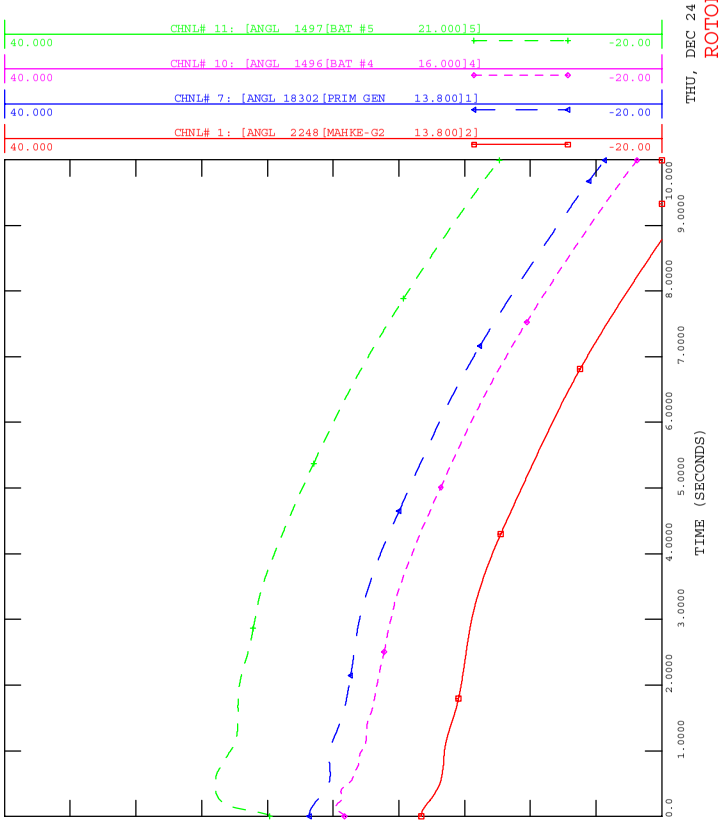


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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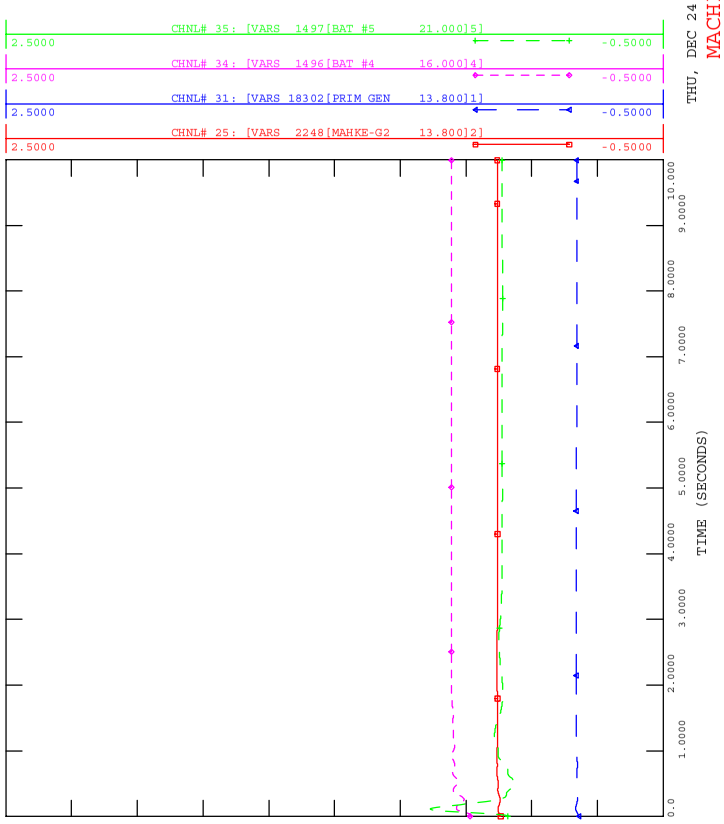


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MACHINE VARS

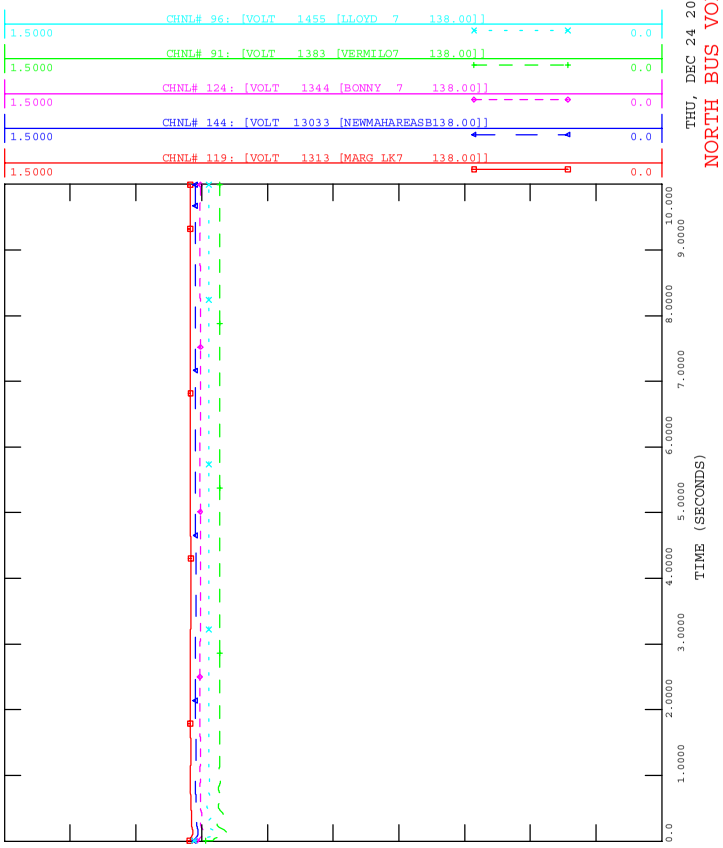


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH BUS VOLTAGES

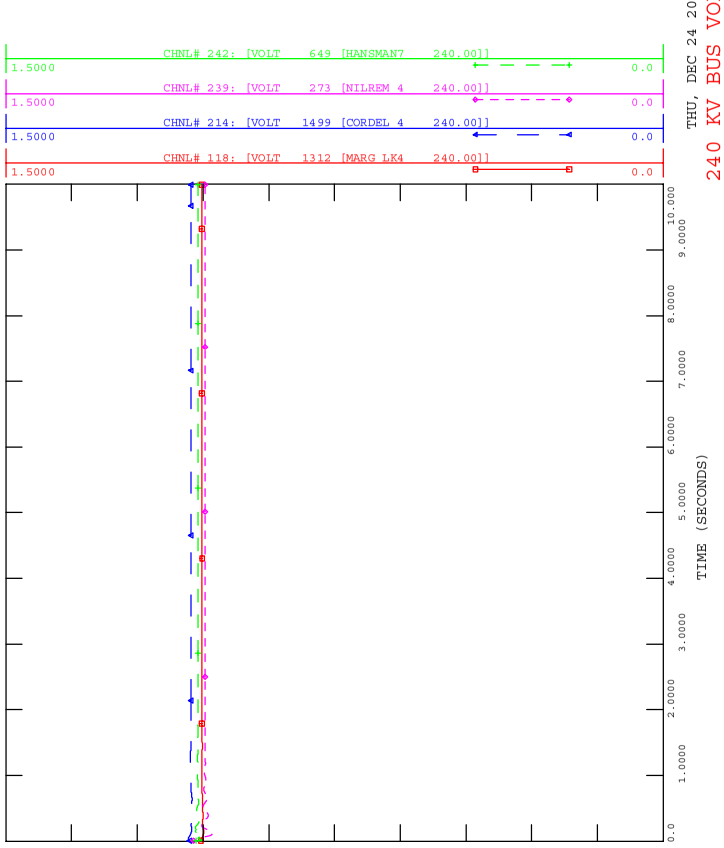


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

THU, DEC 24 2009 8:13

240 KV BUS VOLTAGES

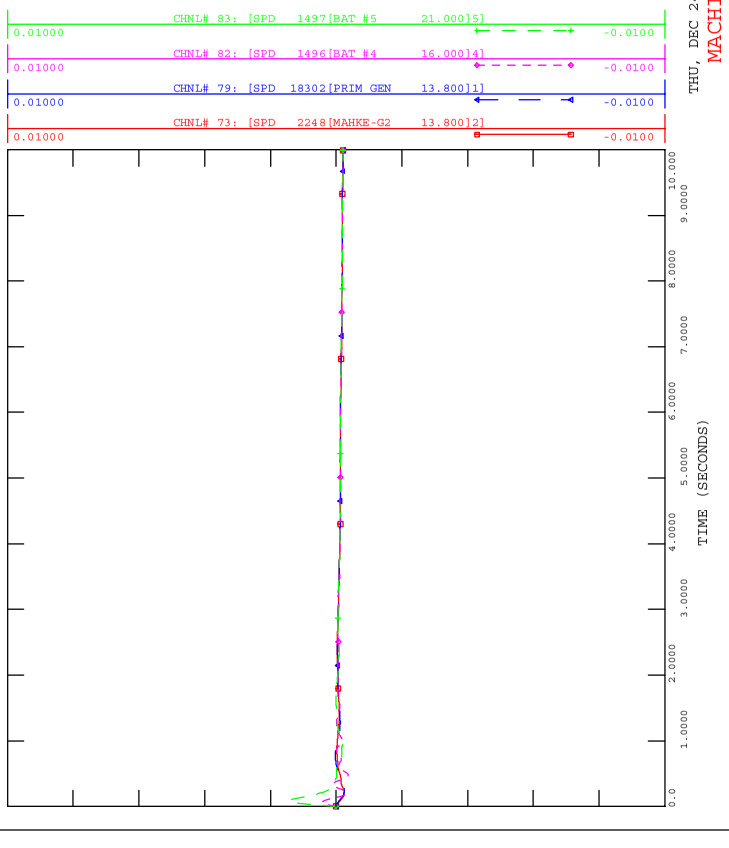


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

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MACHINE SPEED

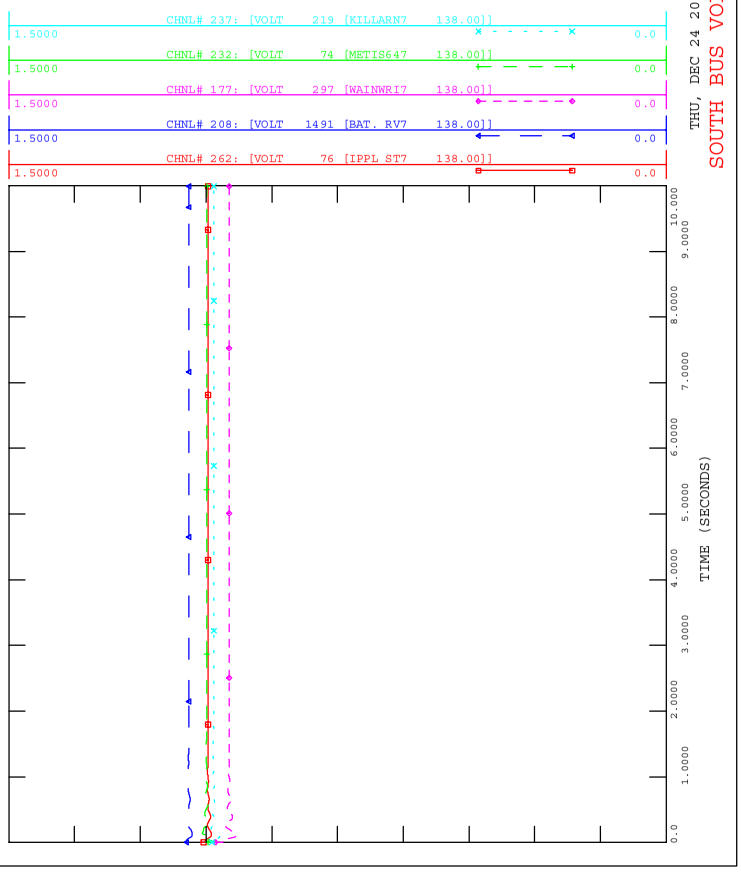


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

THU, DEC 24 2009 8:13

SOUTH BUS VOLTAGES

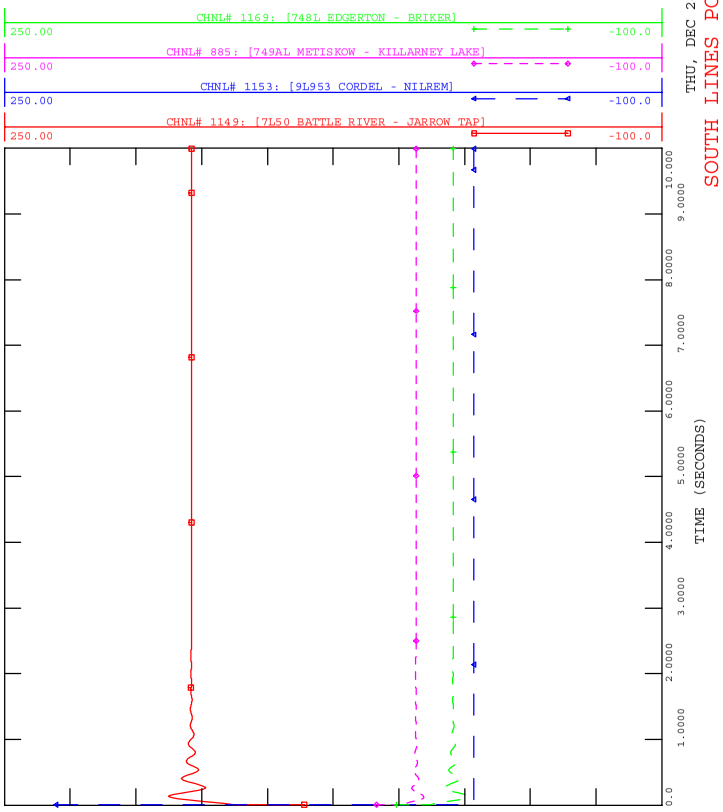


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

THU, DEC 24 2009 8:13

SOUTH LINES POWER FLOW

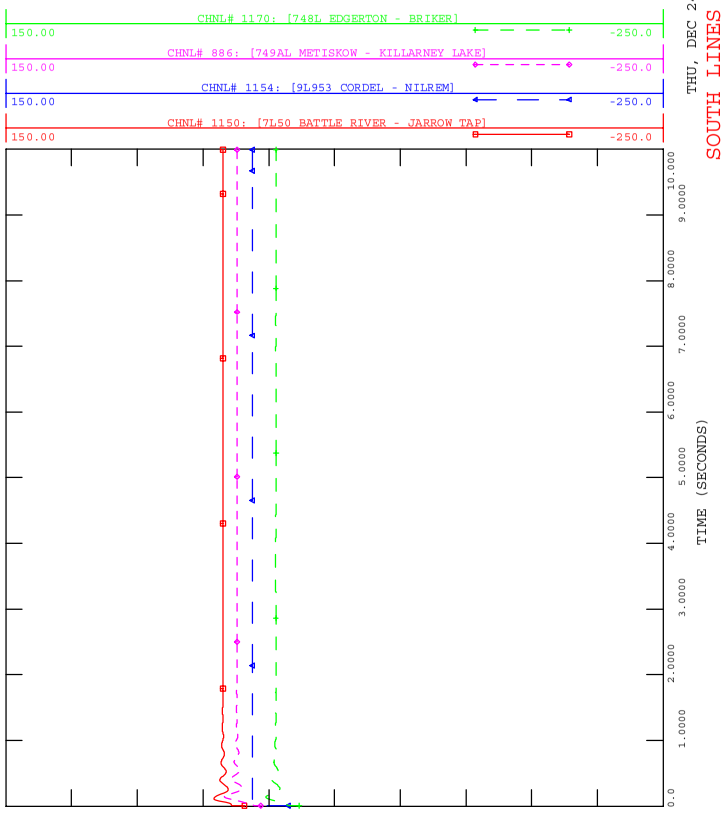


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

THU, DEC 24 2009 8:13

SOUTH LINES VAR FLOW

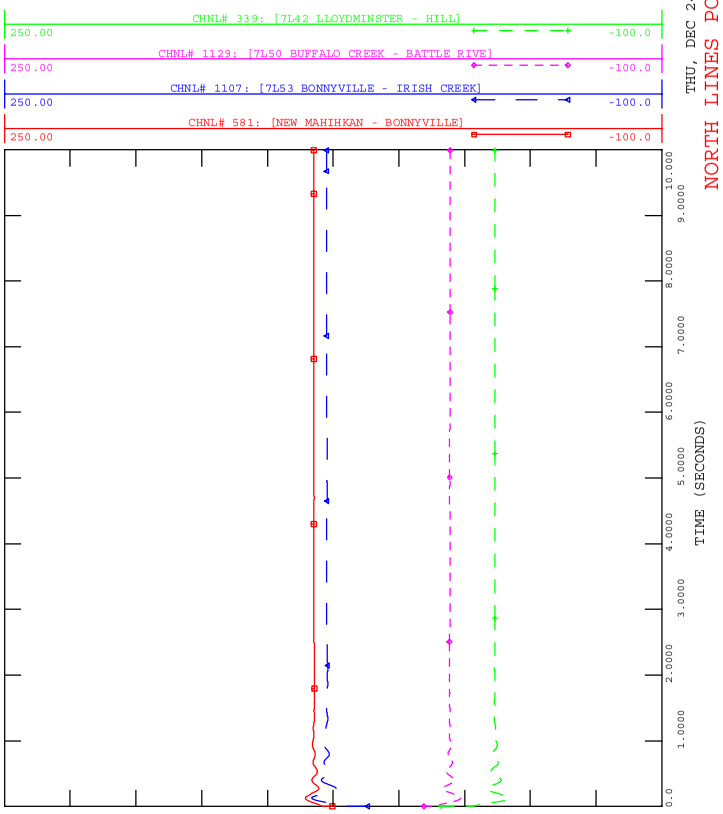


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES POWER FLOW

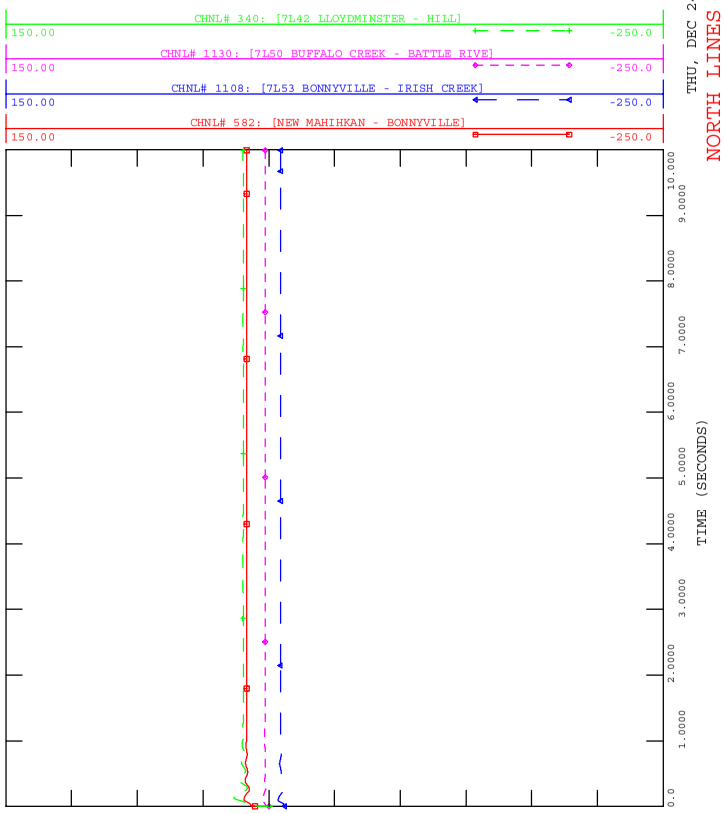


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES VAR FLOW

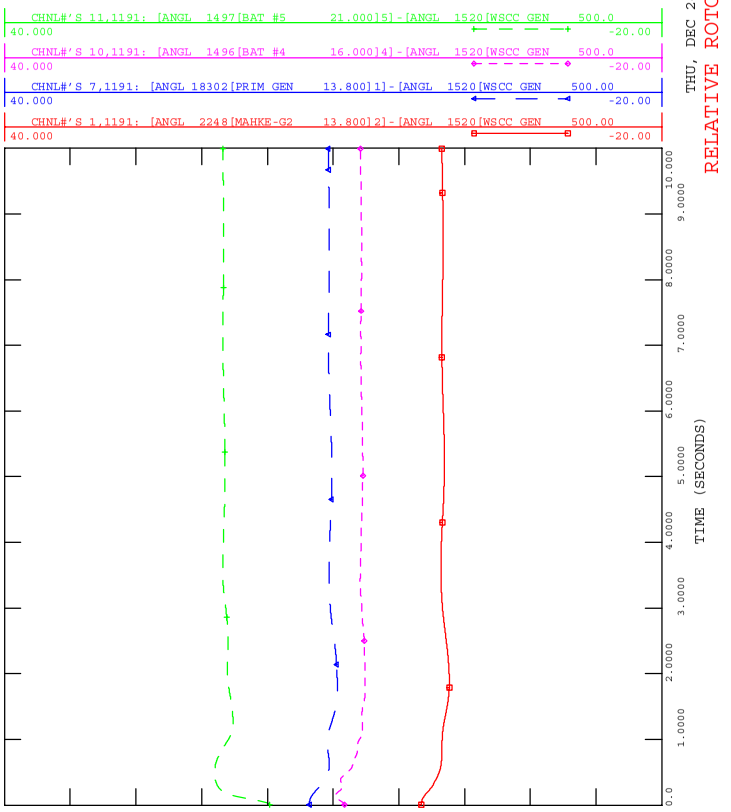


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 8:13

RELATIVE ROTOR ANGLES

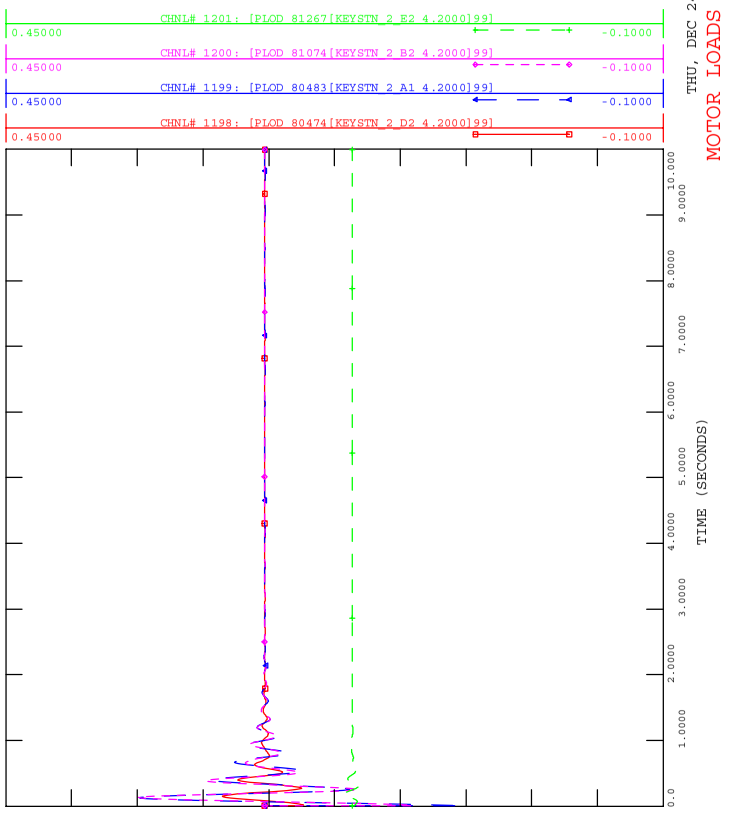


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-1Trip.out

THU, DEC 24 2009 8:13

MOTOR LOADS GROUP II

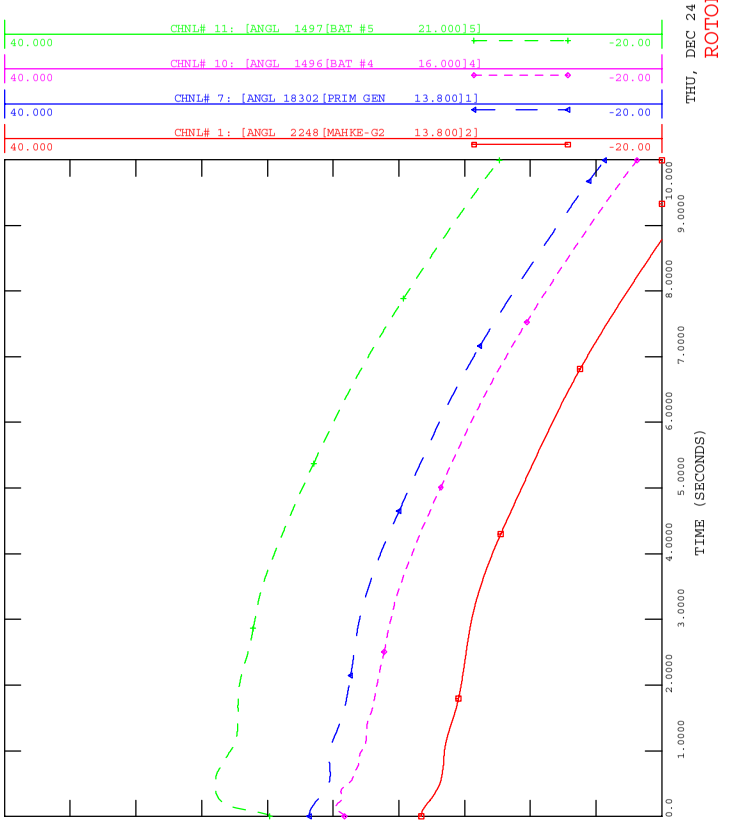


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

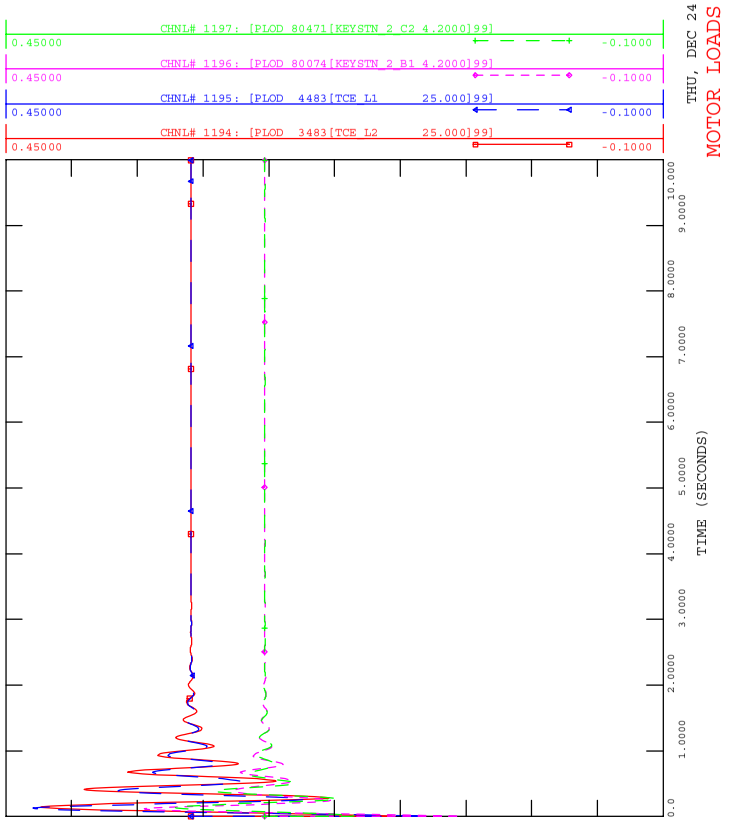


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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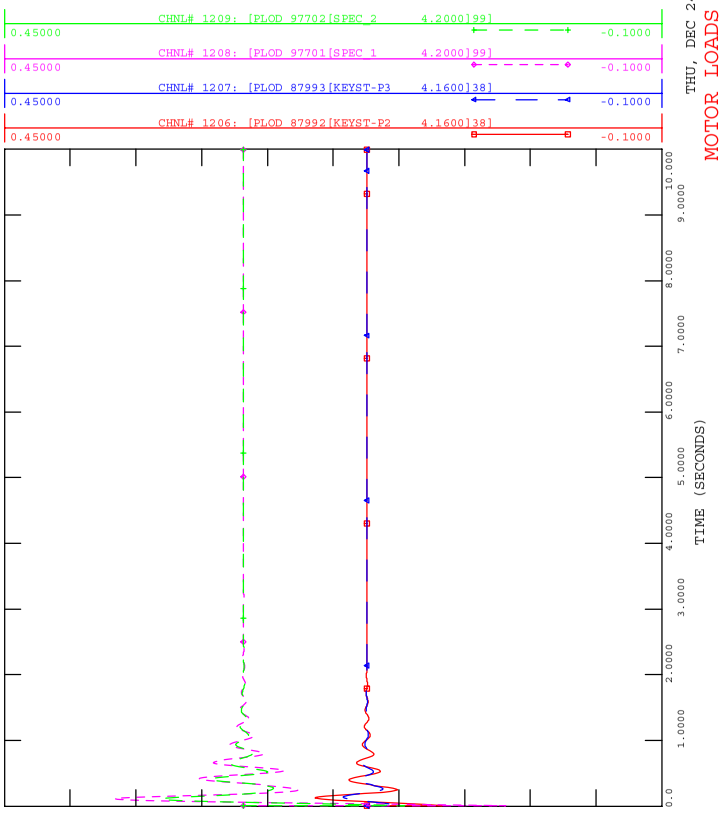
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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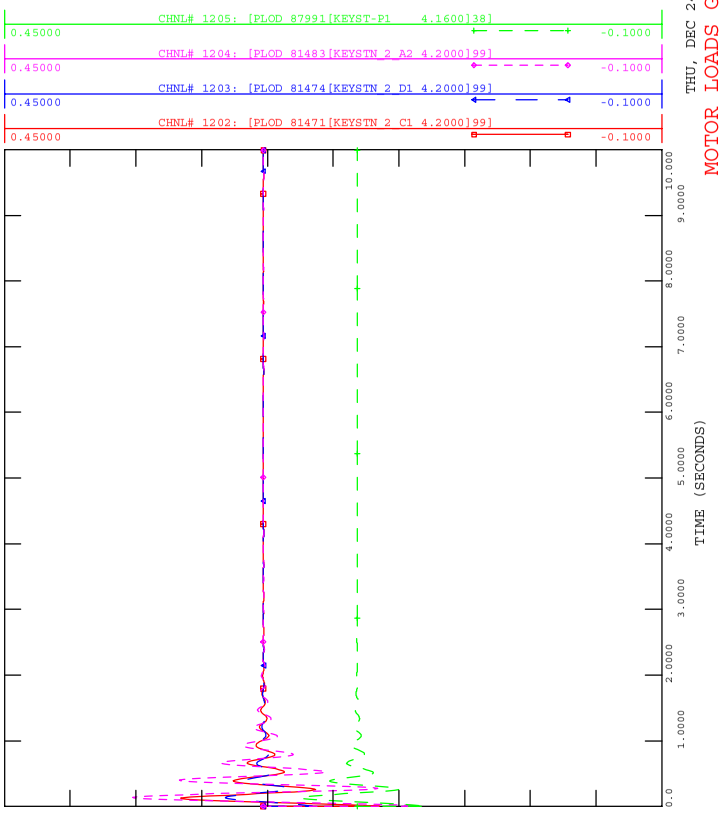


THU, DEC 24 2009 8:13

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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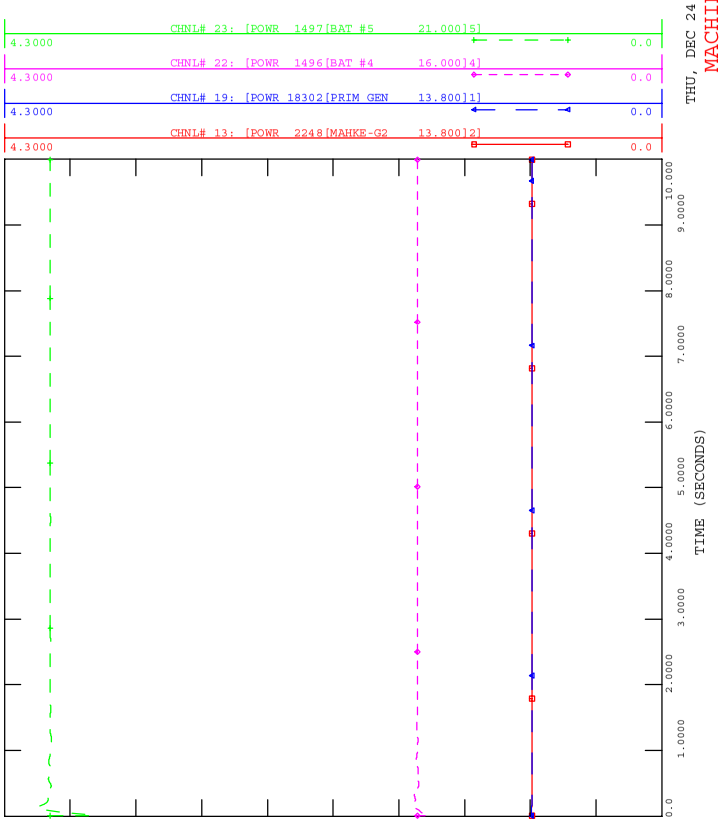
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

THU, DEC 24 2009 10:09

MACHINE POWER

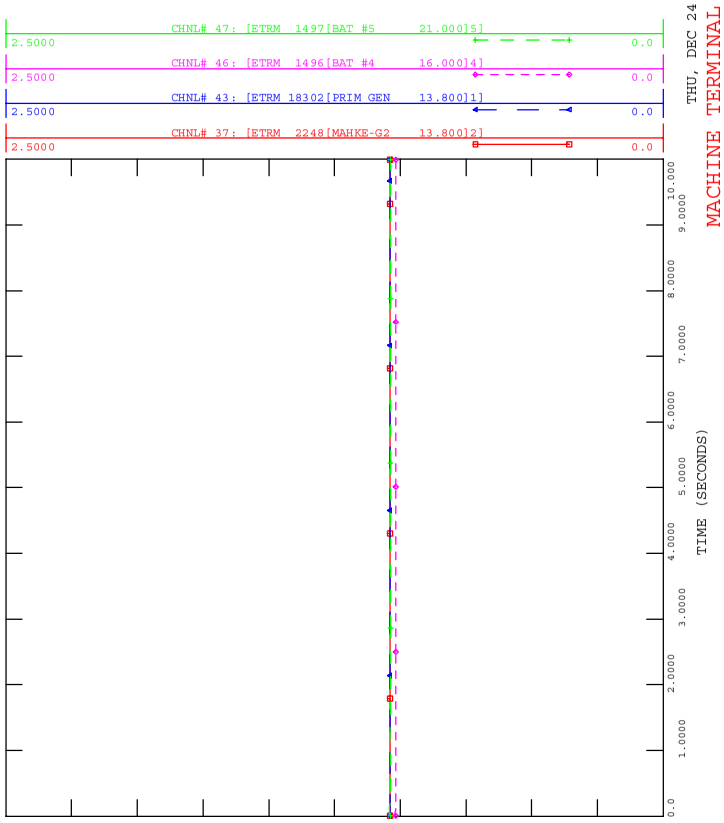


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

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MACHINE TERMINAL VOLTAGE

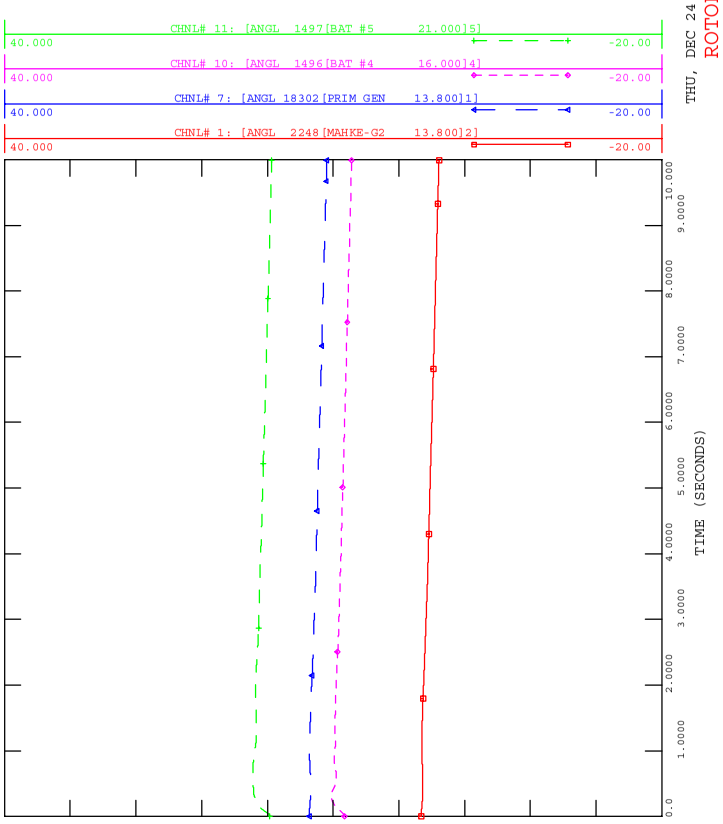


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

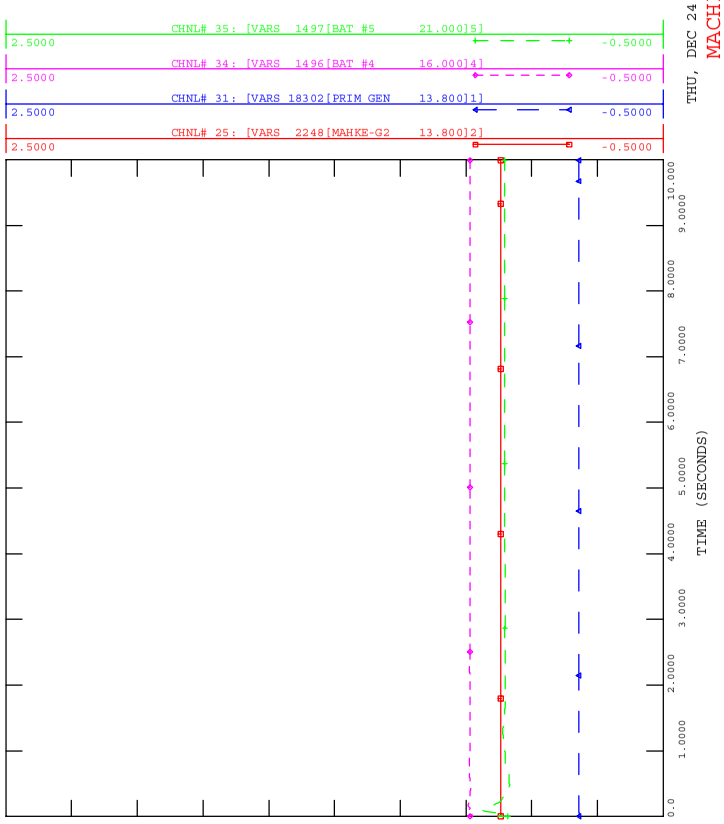


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

THU, DEC 24 2009 10:09

MACHINE VARS

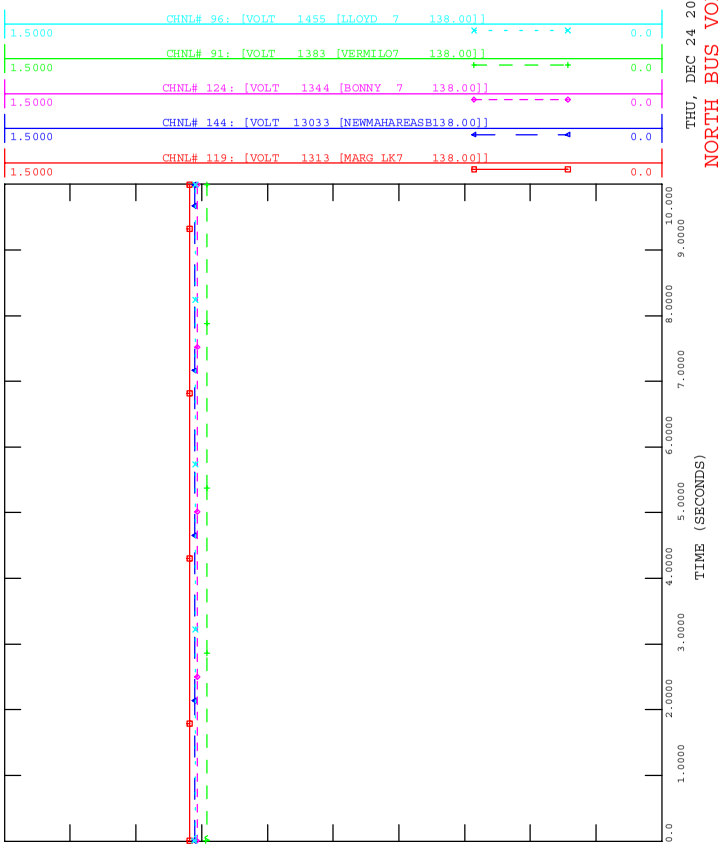


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

THU, DEC 24 2009 10:09

NORTH BUS VOLTAGES

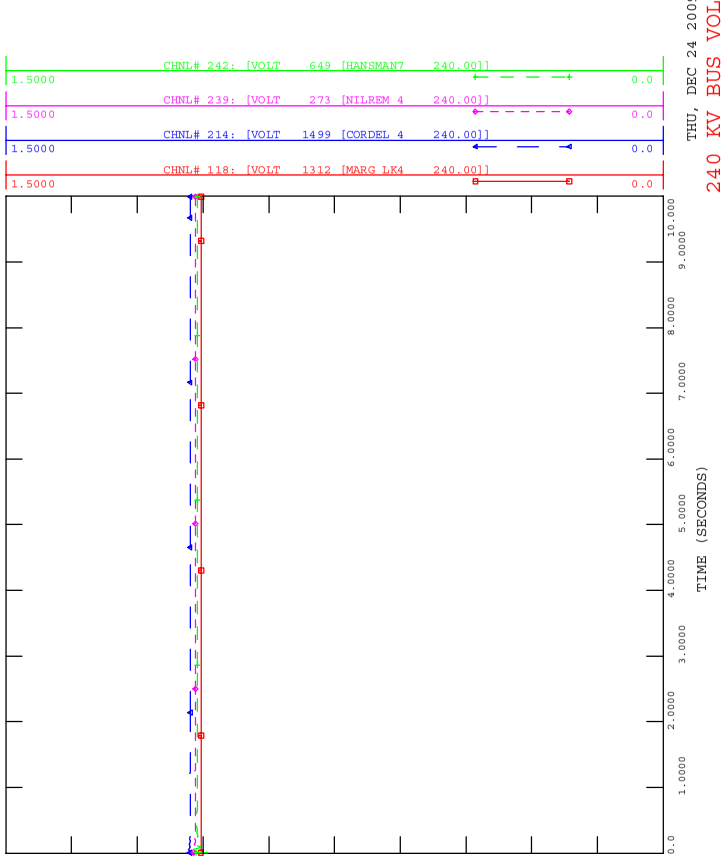


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

THU, DEC 24 2009 10:09

240 KV BUS VOLTAGES

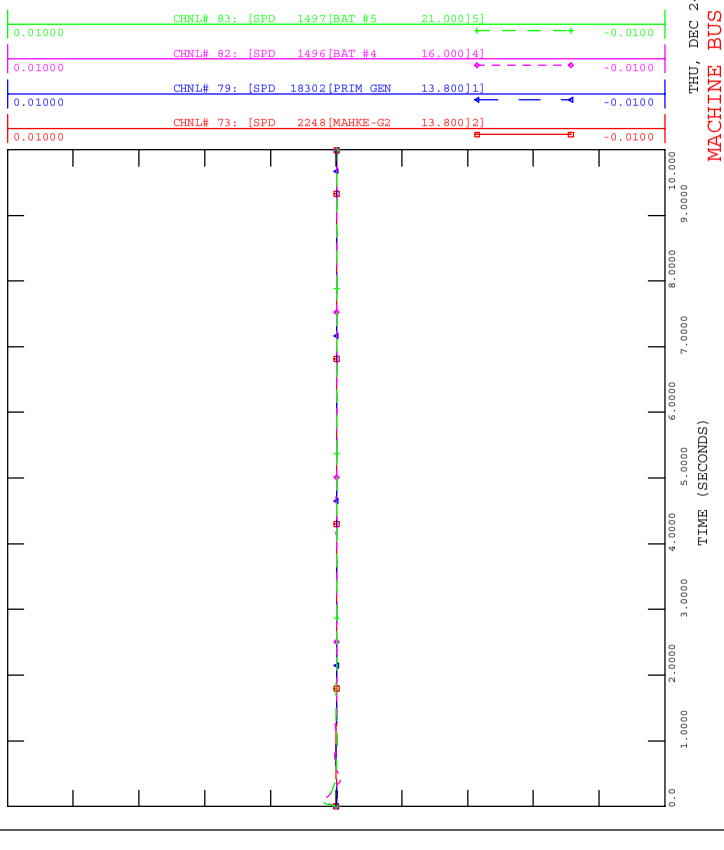


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MACHINE BUS VOLTAGES

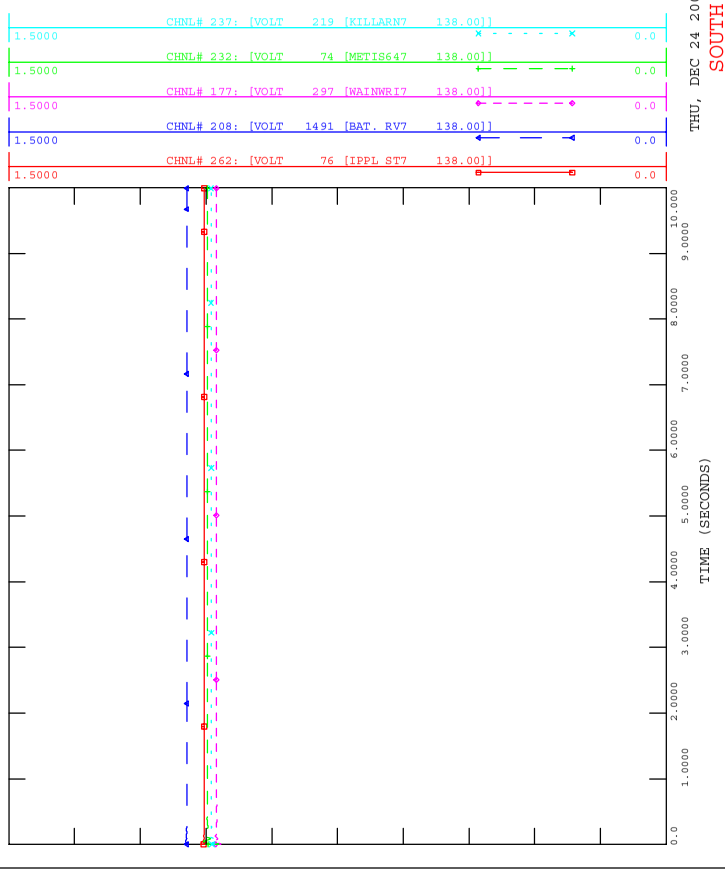


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

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SOUTH BUSES

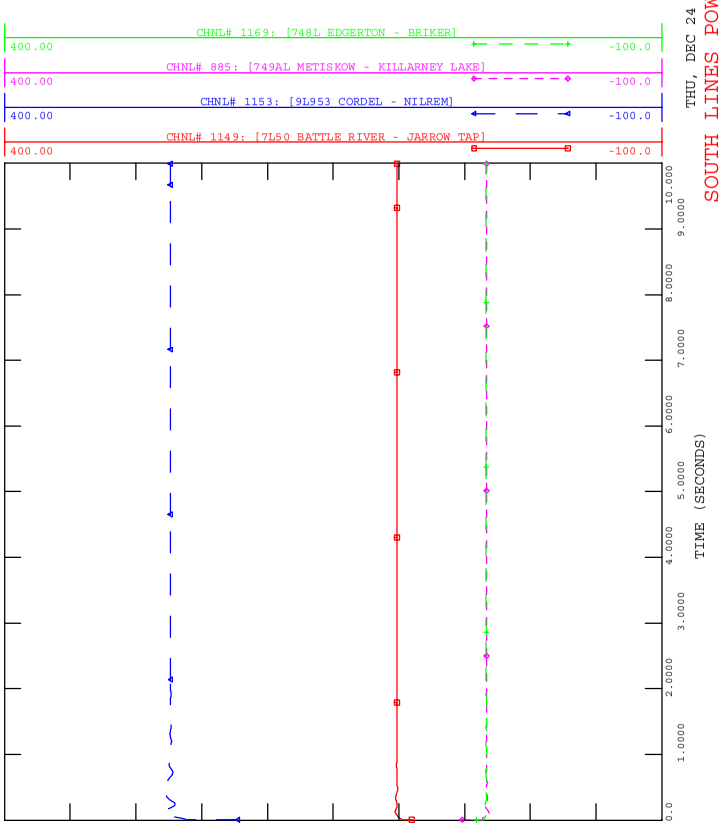


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

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SOUTH LINES POWER FLOW

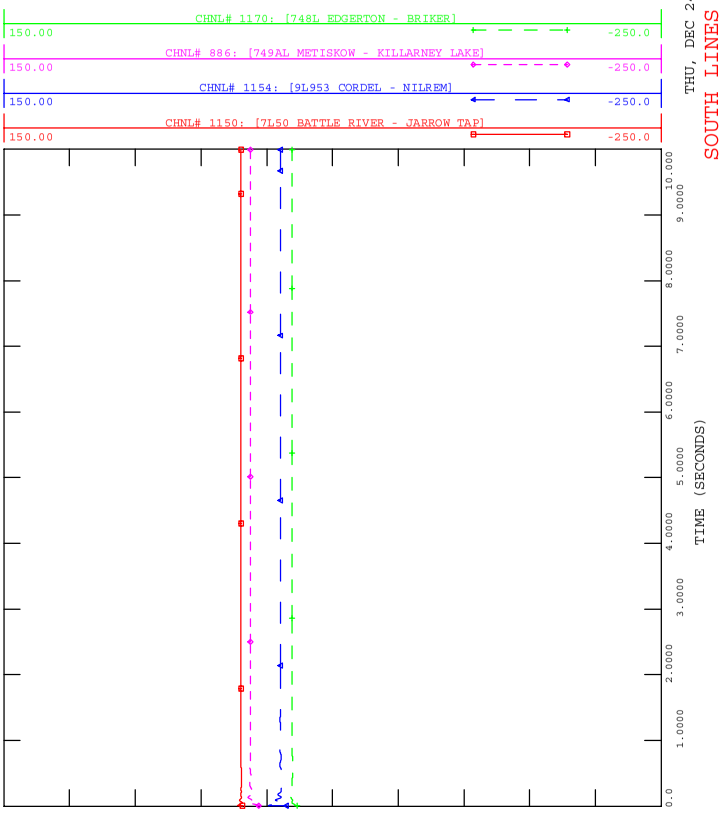


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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SOUTH LINES VAR FLOW

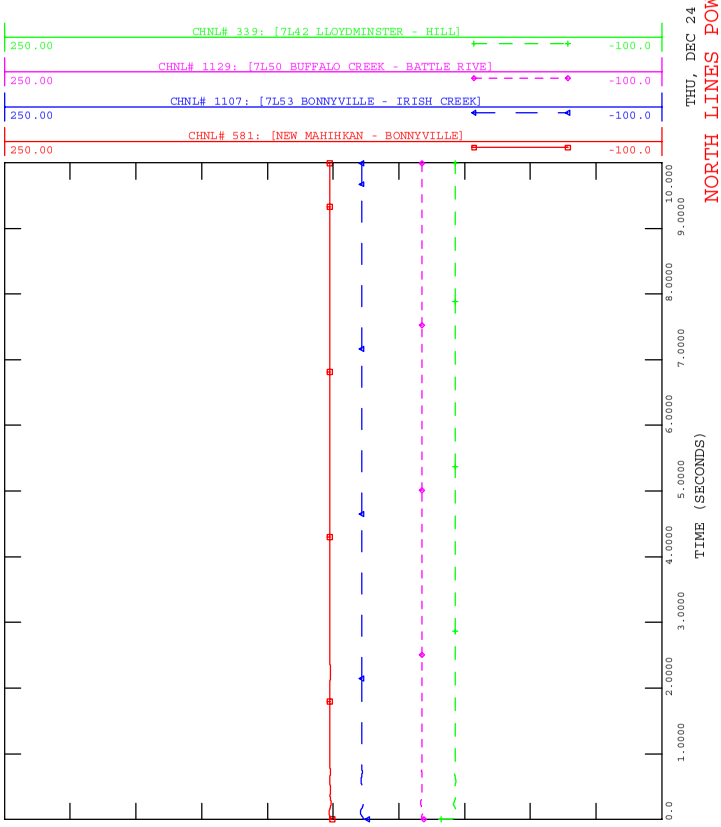


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES POWER FLOW

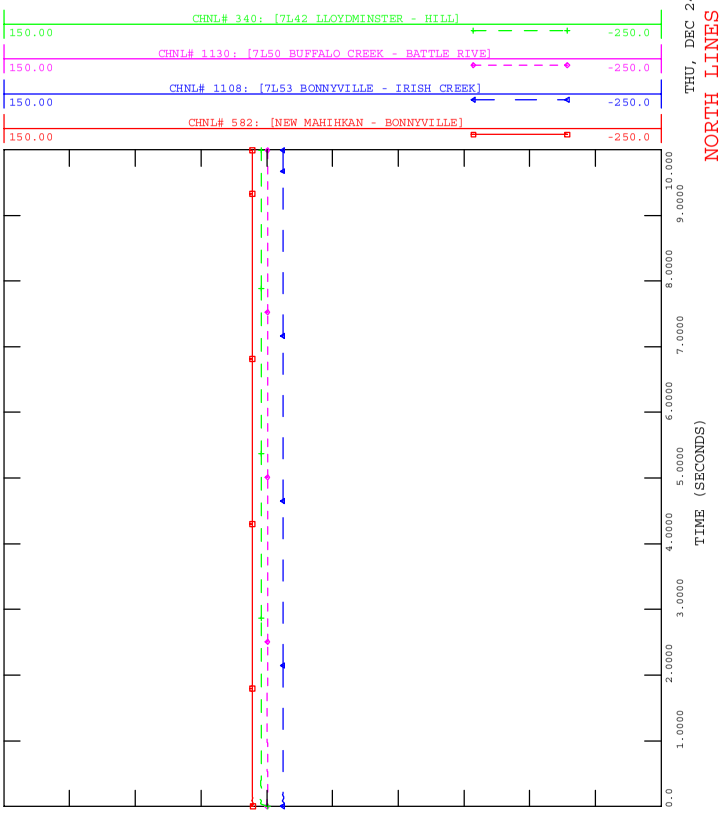


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES VAR FLOW

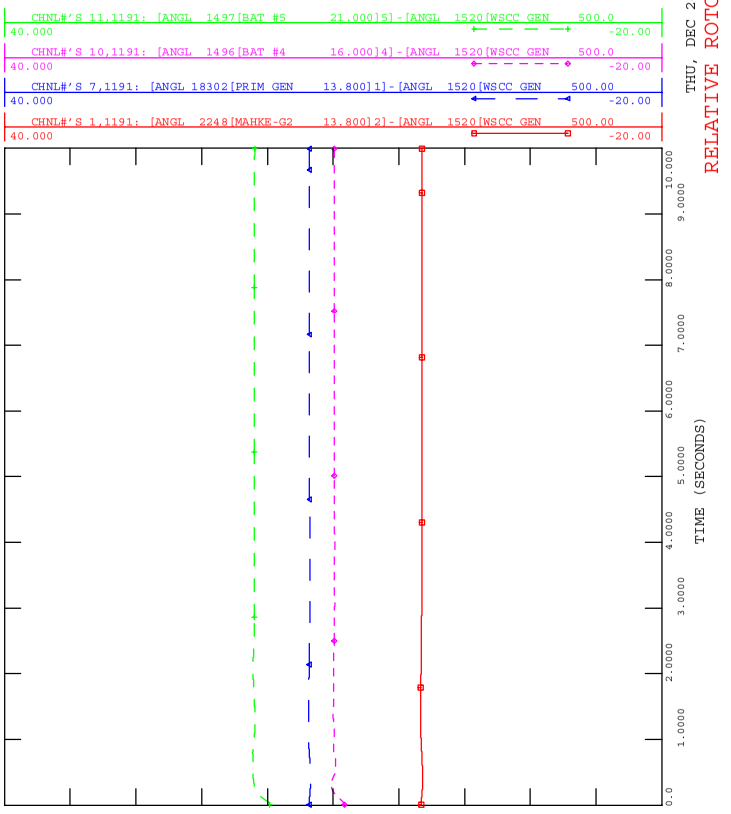


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

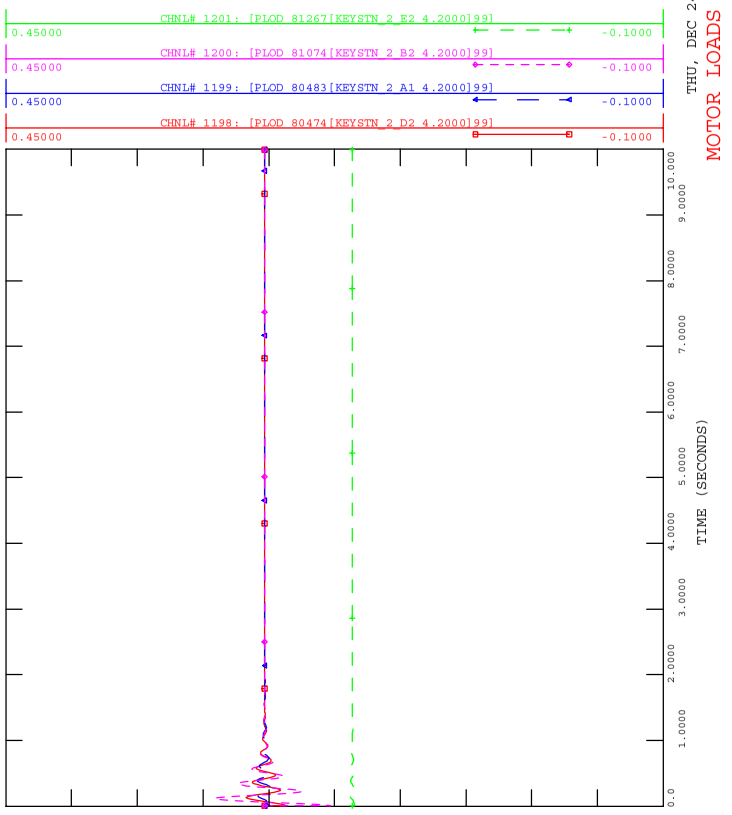


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

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MOTOR LOADS GROUP II

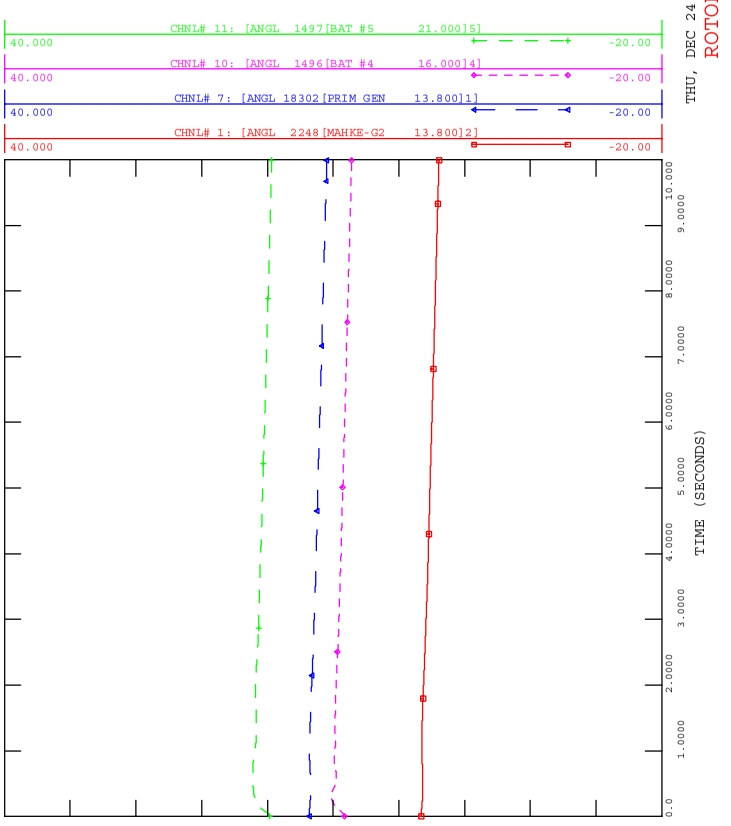


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

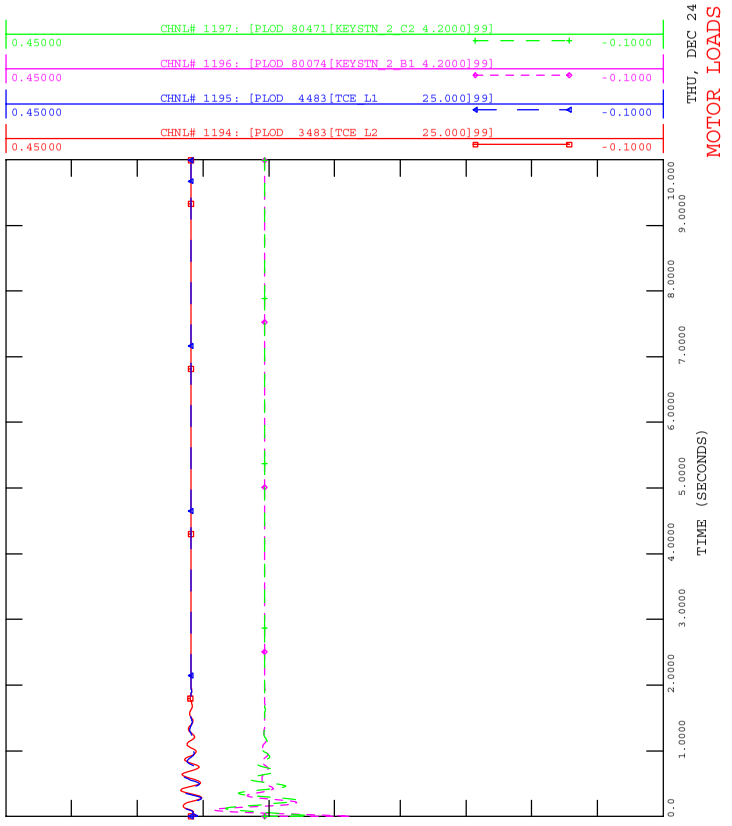


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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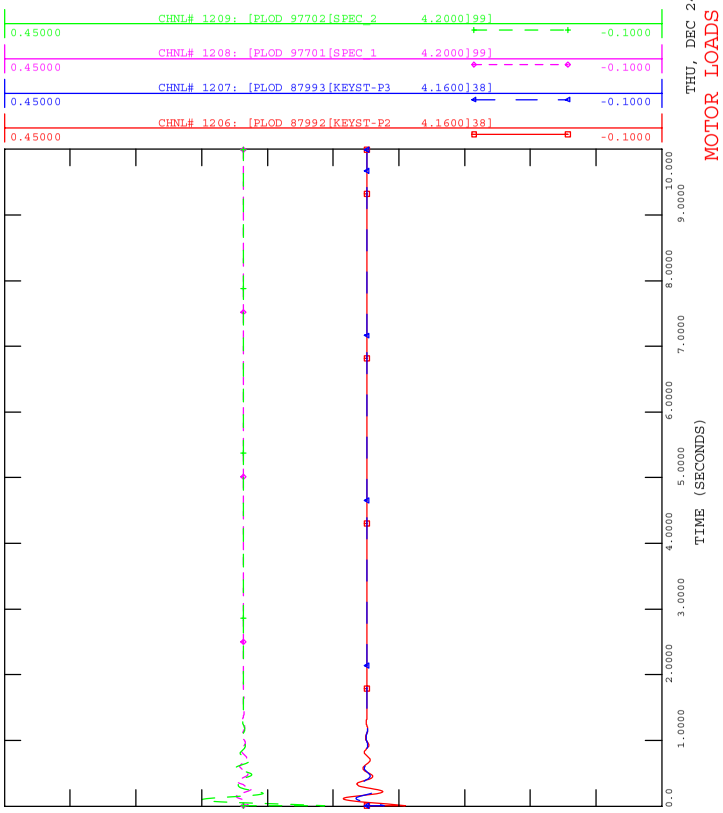
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D7-2Trip.out

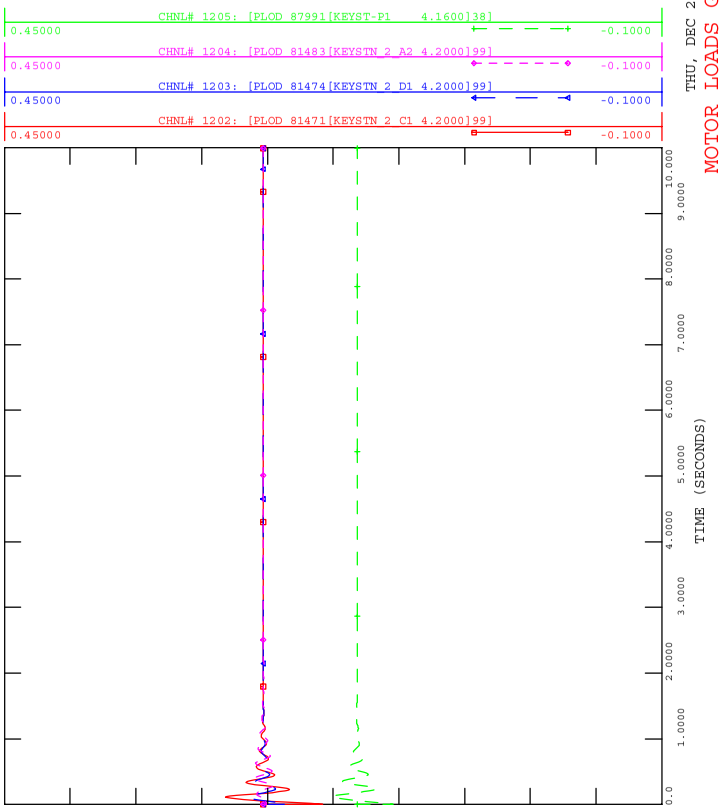


THU, DEC 24 2009 10:09

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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THU, DEC 24 2009 10:09

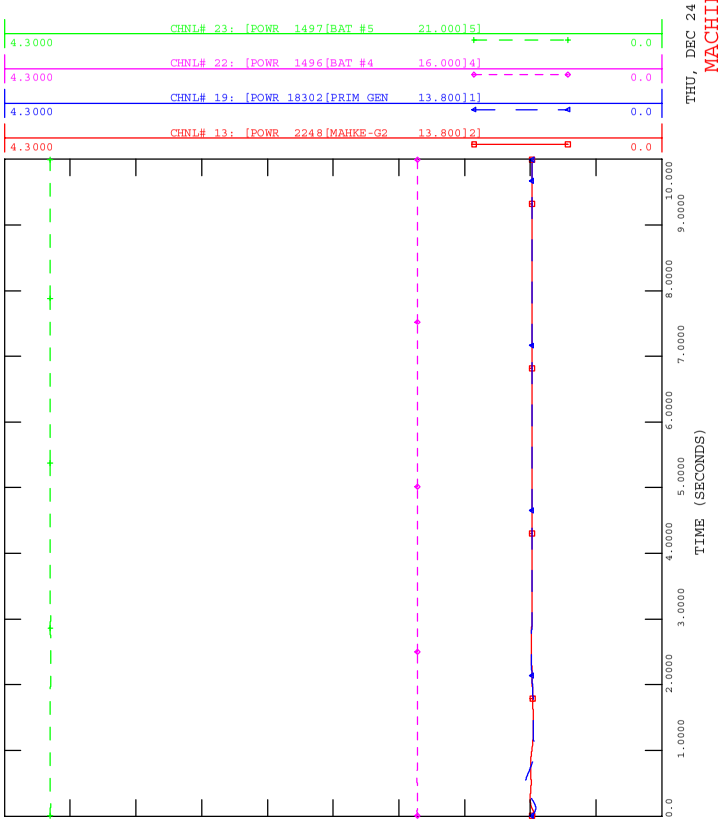
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D8-1Trip.out

THU, DEC 24 2009 8:13

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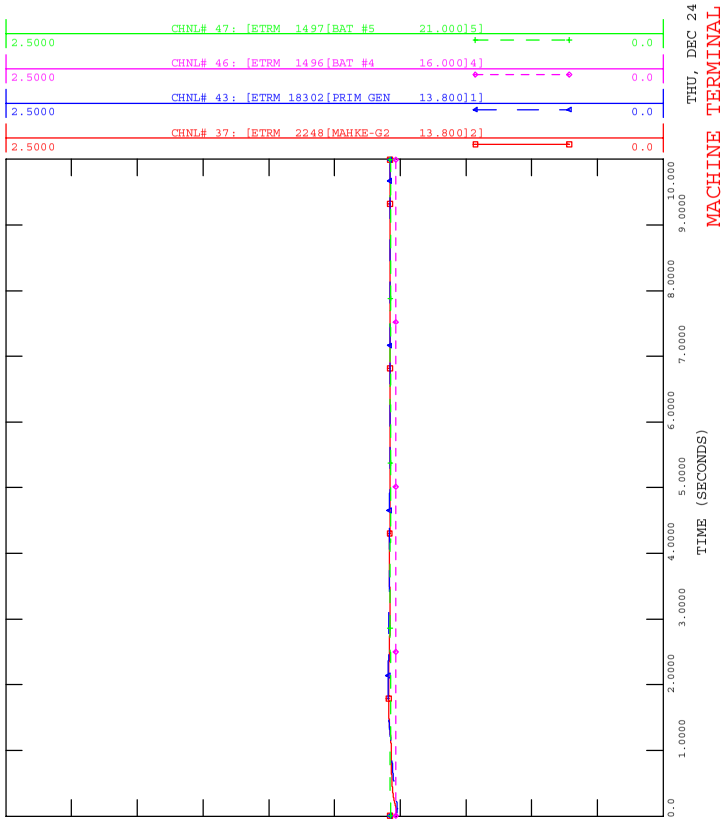


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

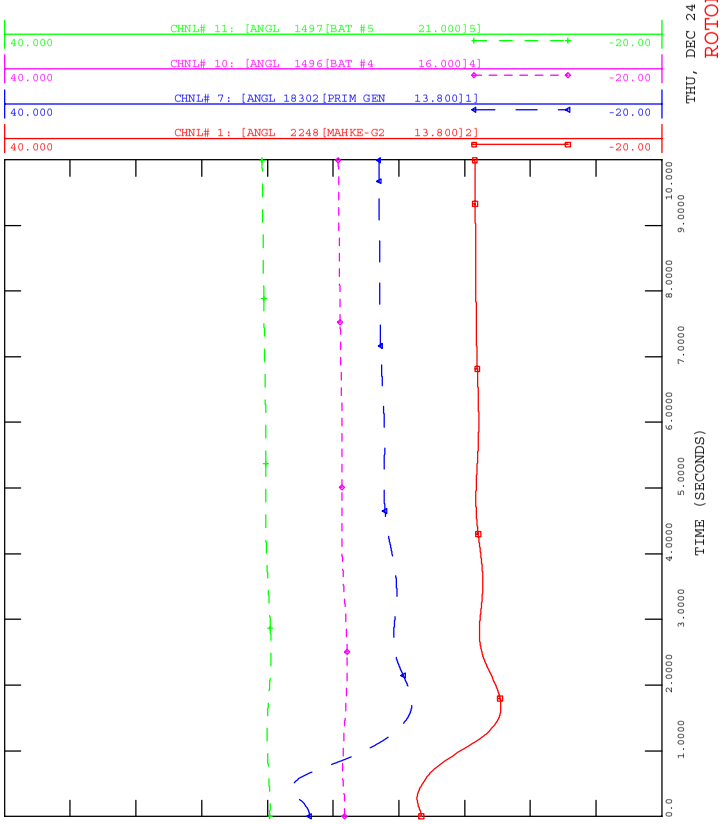


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

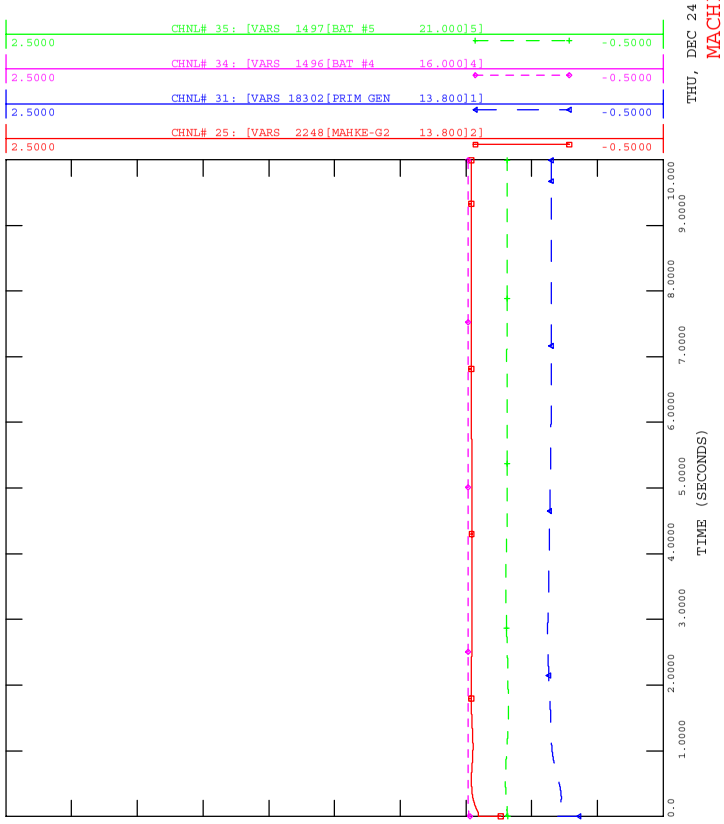


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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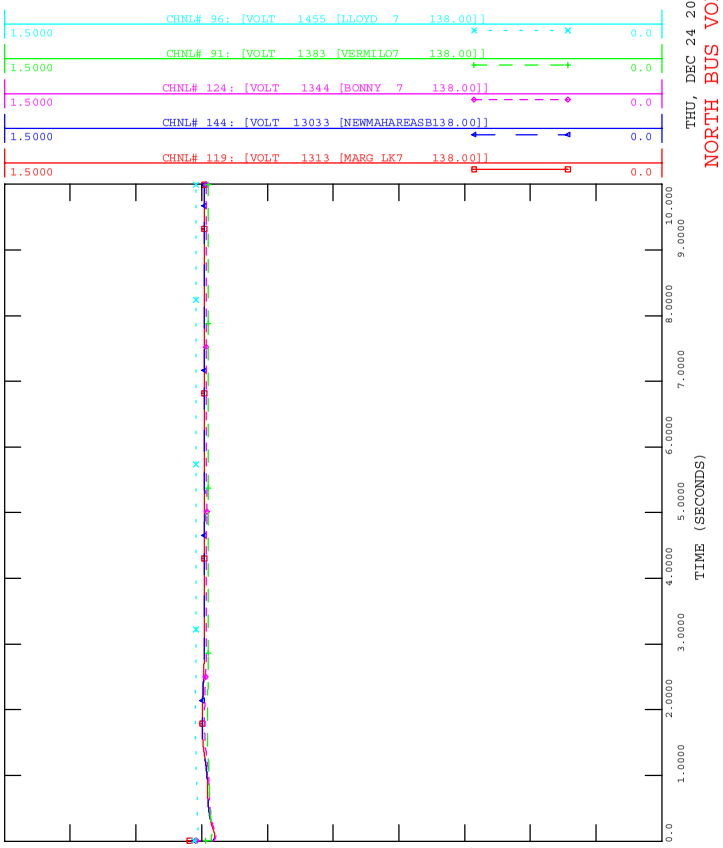


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH BUS VOLTAGES

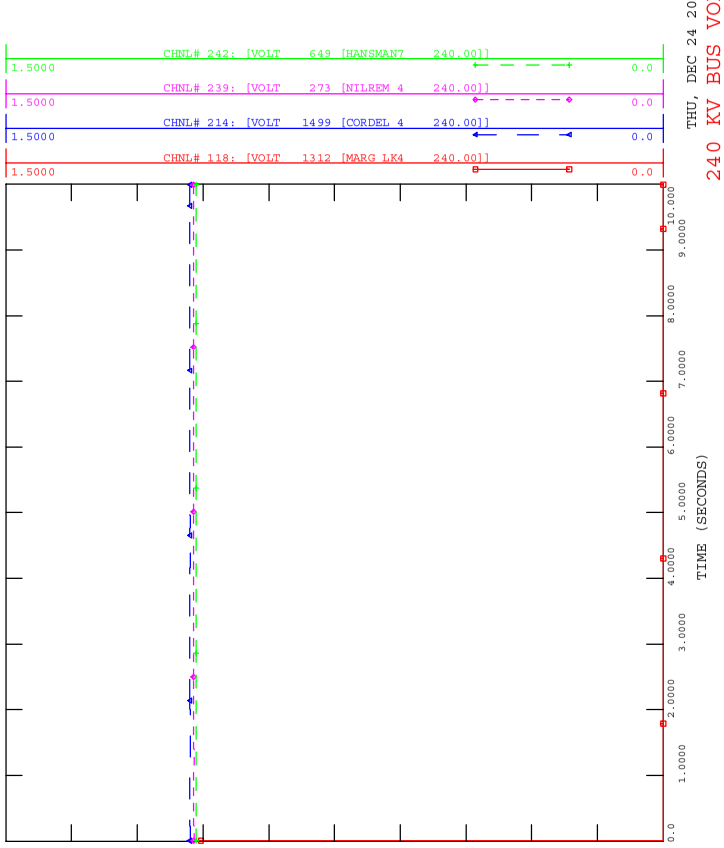


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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240 KV BUS VOLTAGES

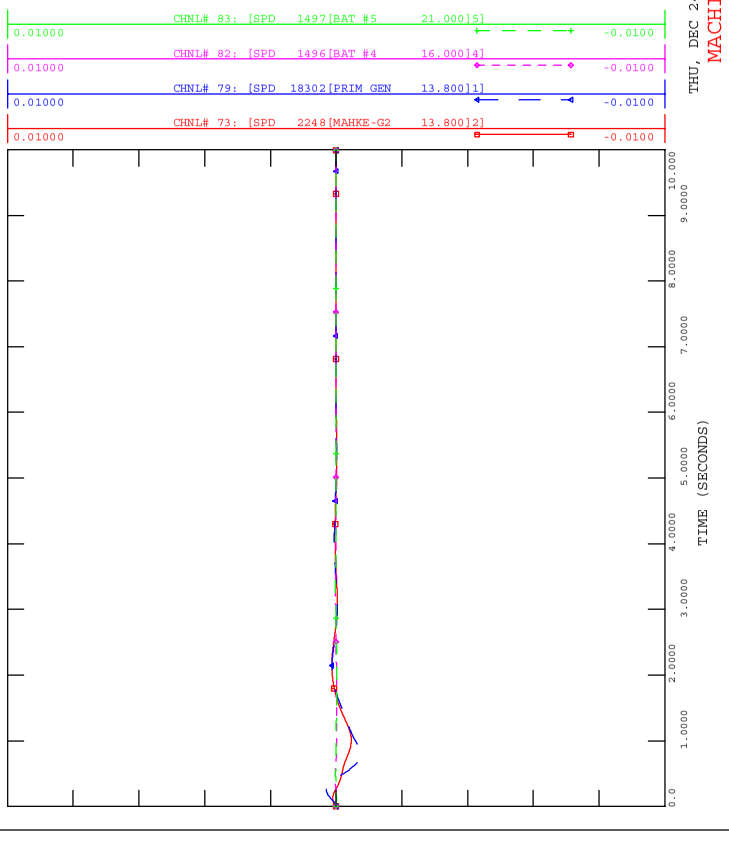


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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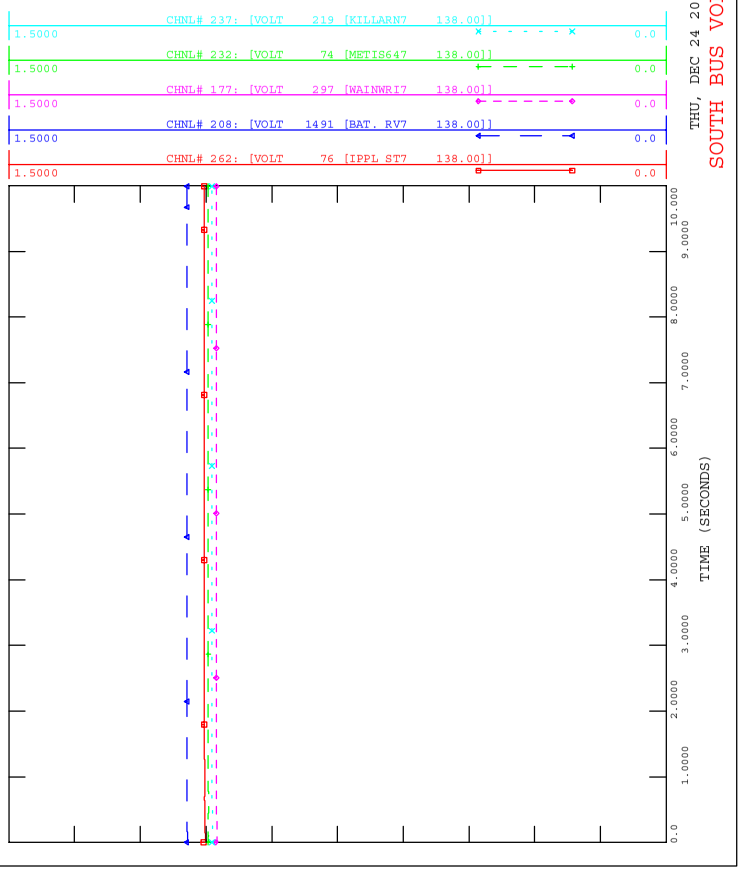


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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SOUTH BUS VOLTAGES

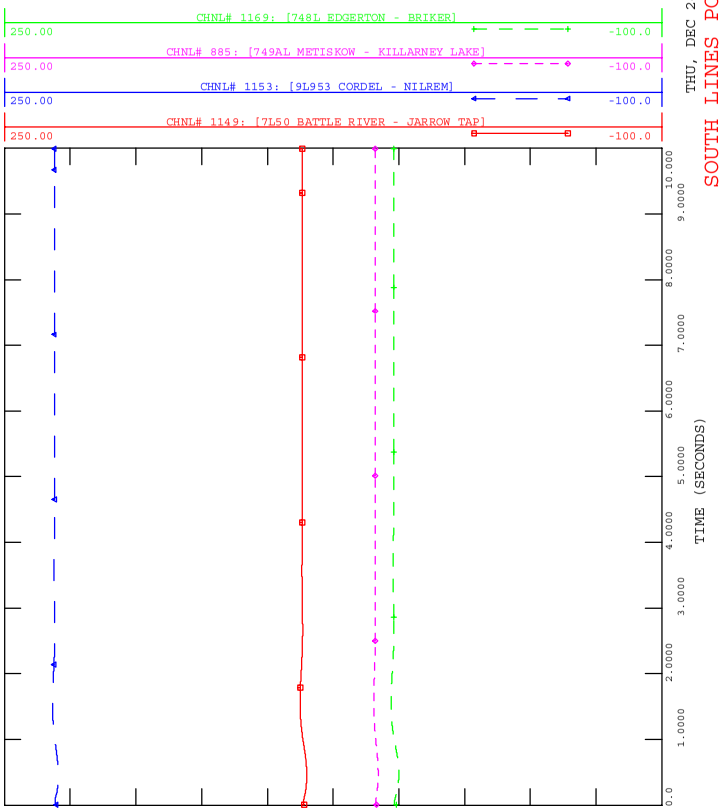


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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SOUTH LINES POWER FLOW

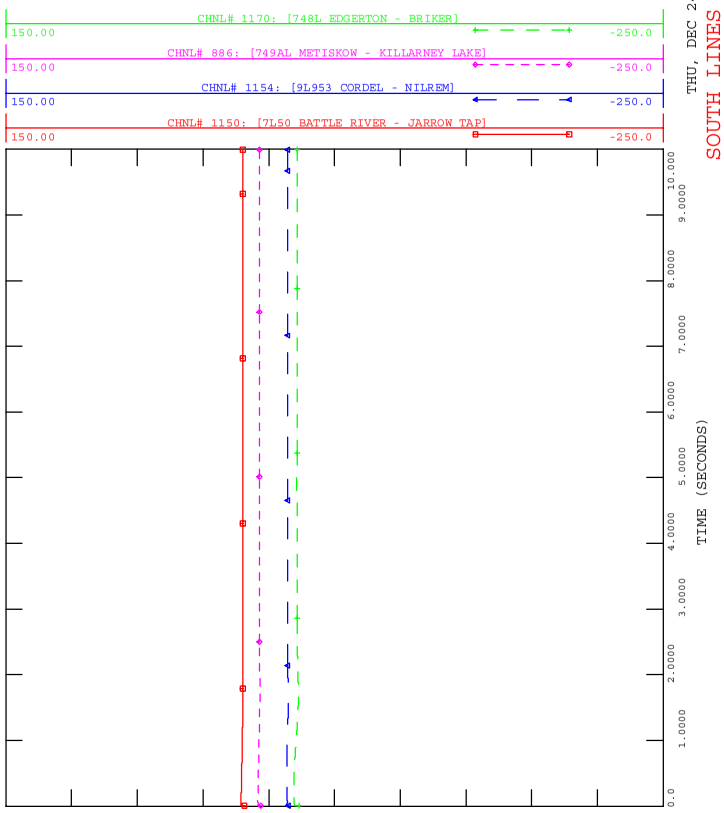


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D8-1Trip.out

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SOUTH LINES VAR FLOW

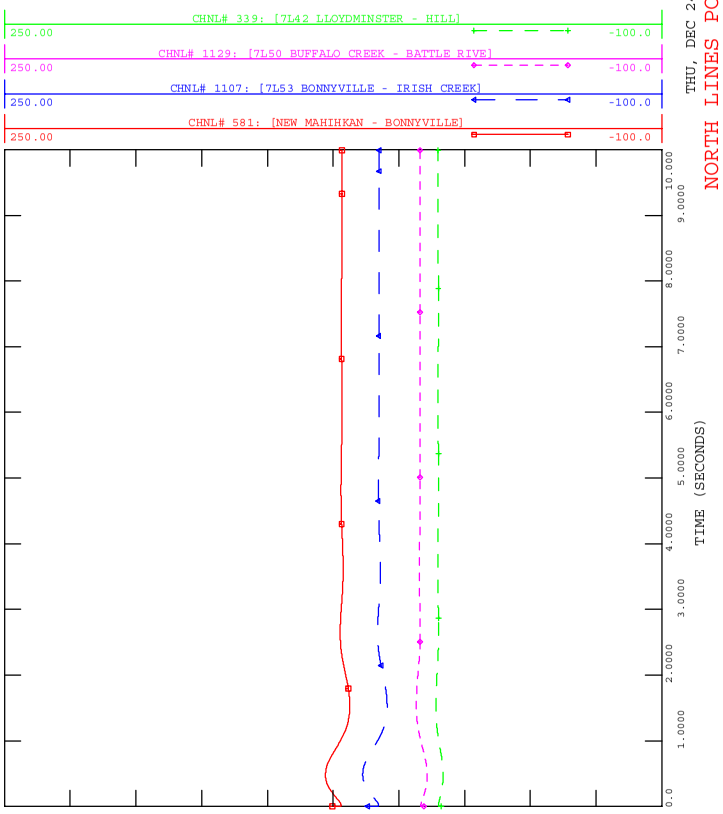


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES POWER FLOW

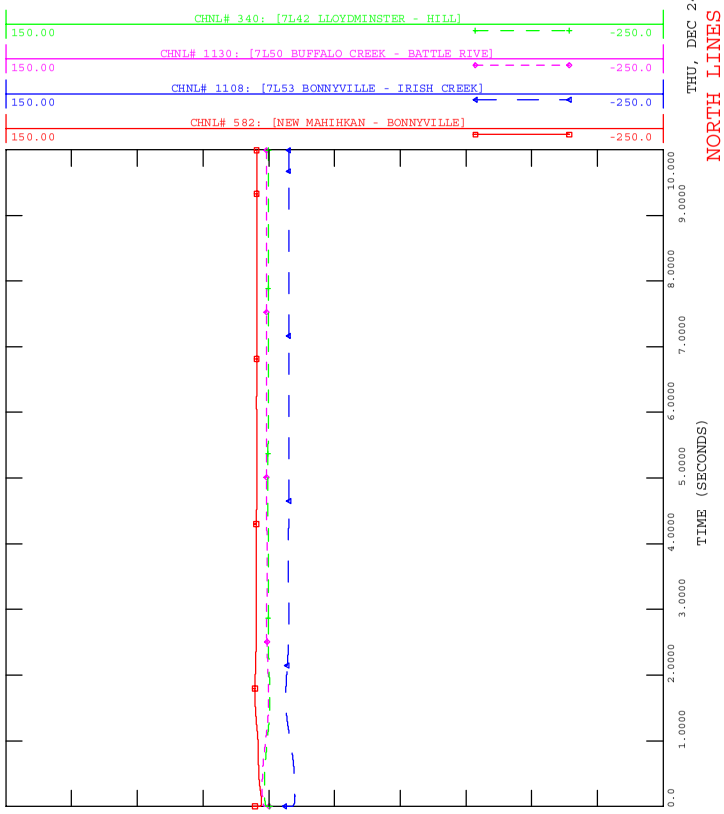


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES VAR FLOW

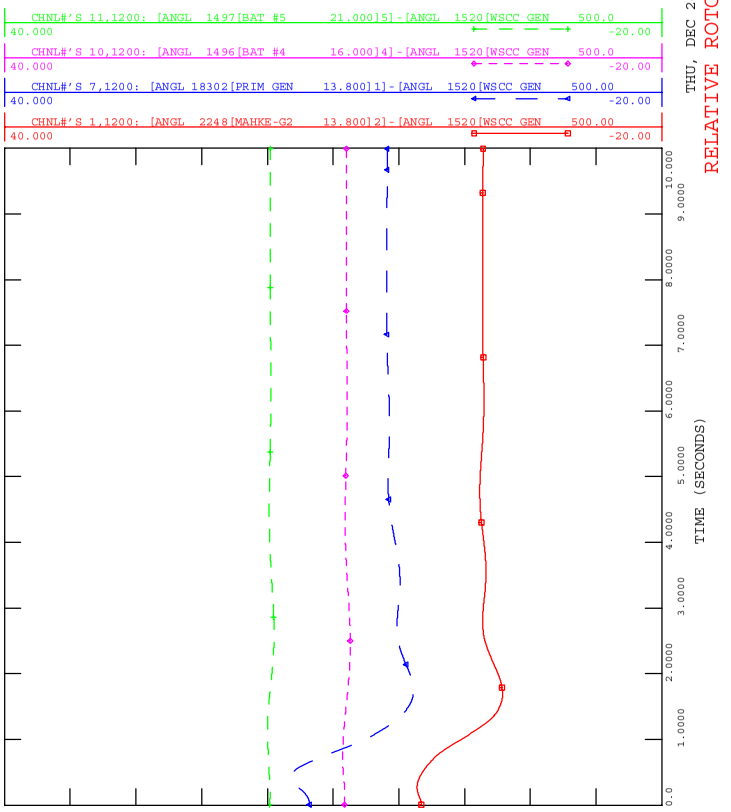


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

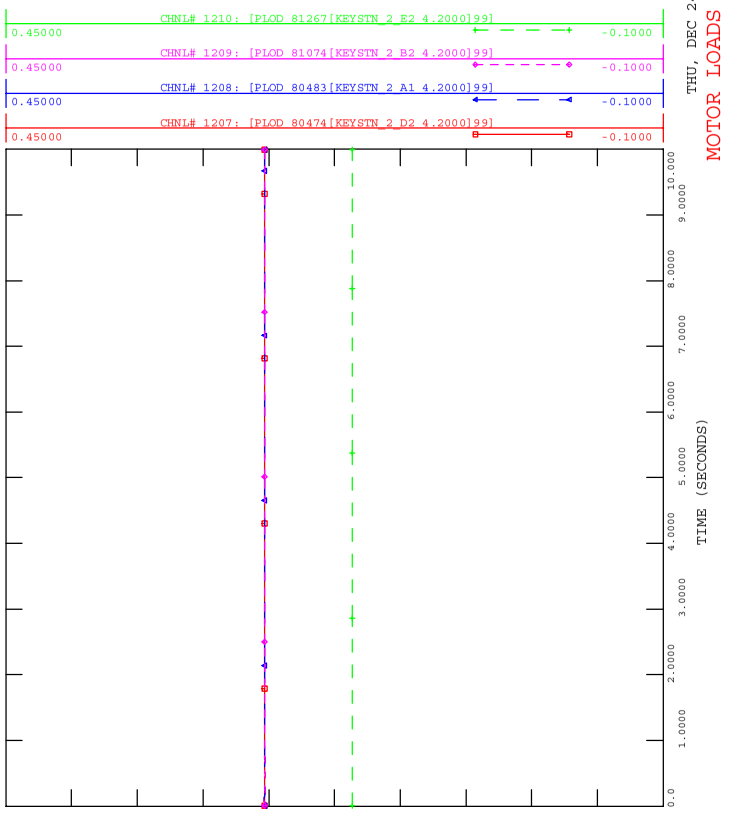


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MOTOR LOADS GROUP II

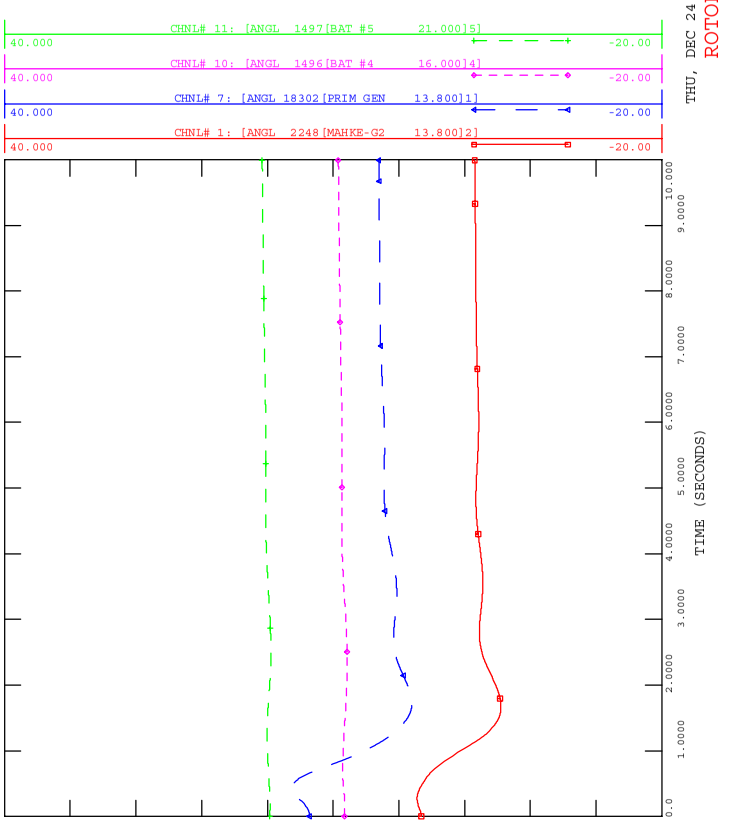


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

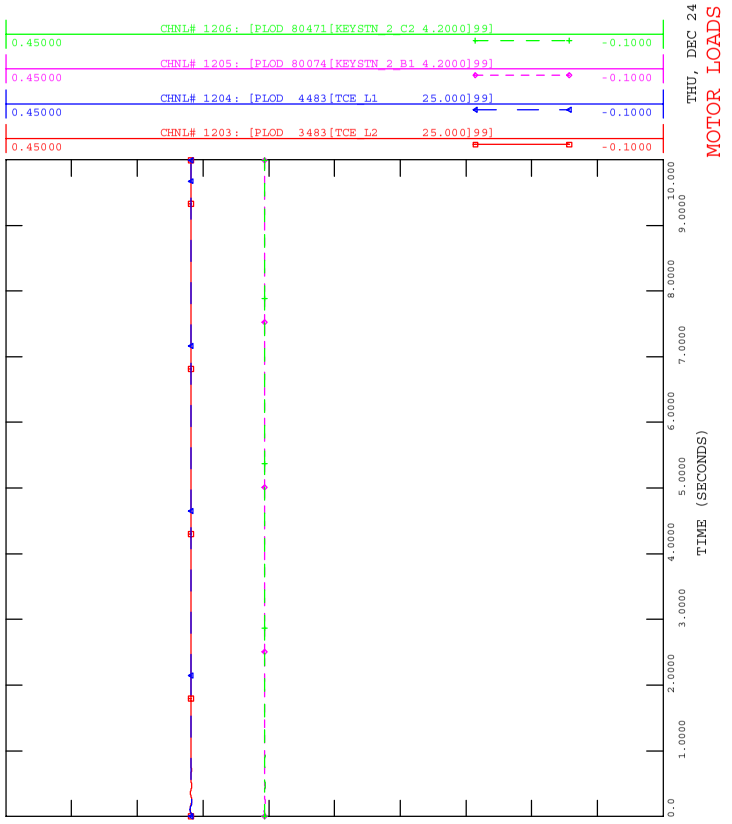


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MOTOR LOADS GROUP I

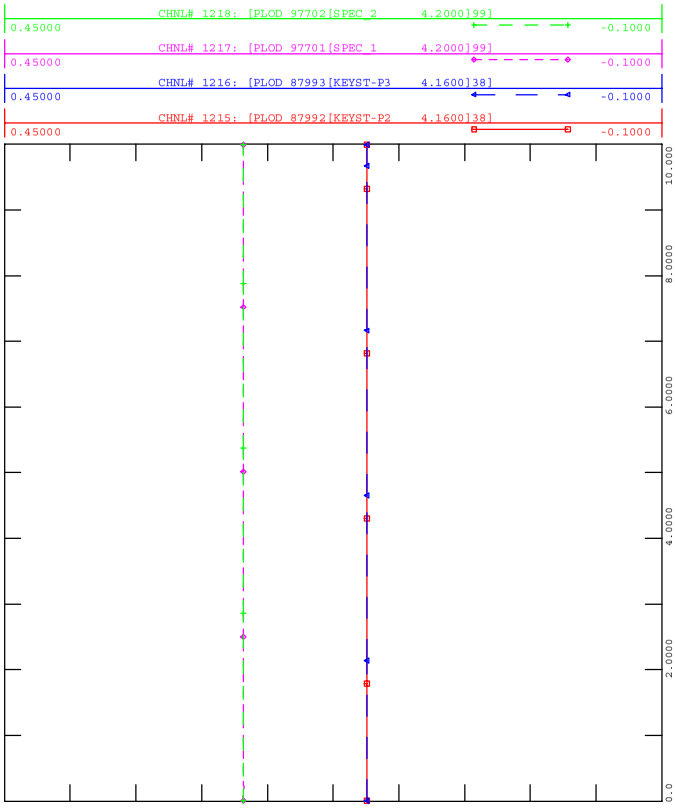


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MOTOR LOADS GROUP IV

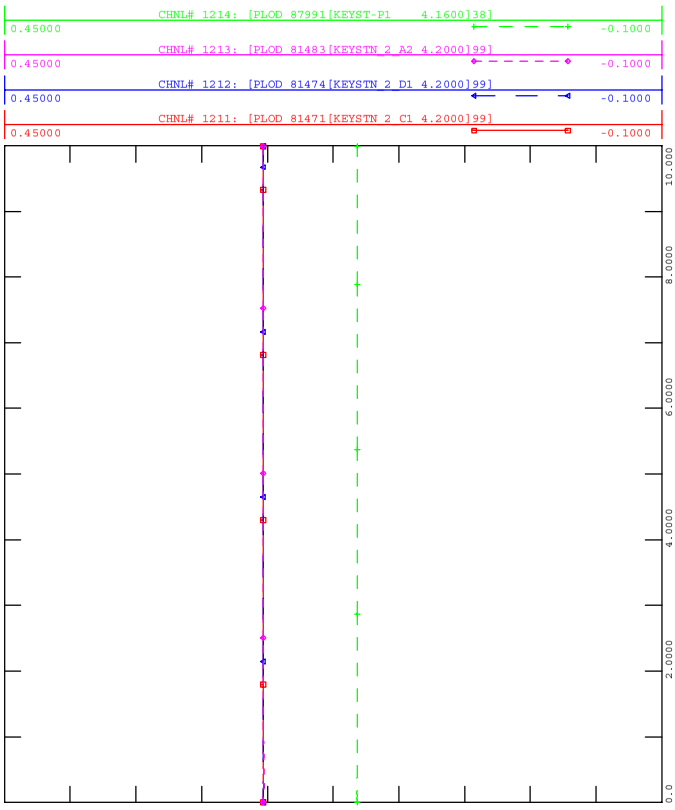


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MOTOR LOADS GROUP III

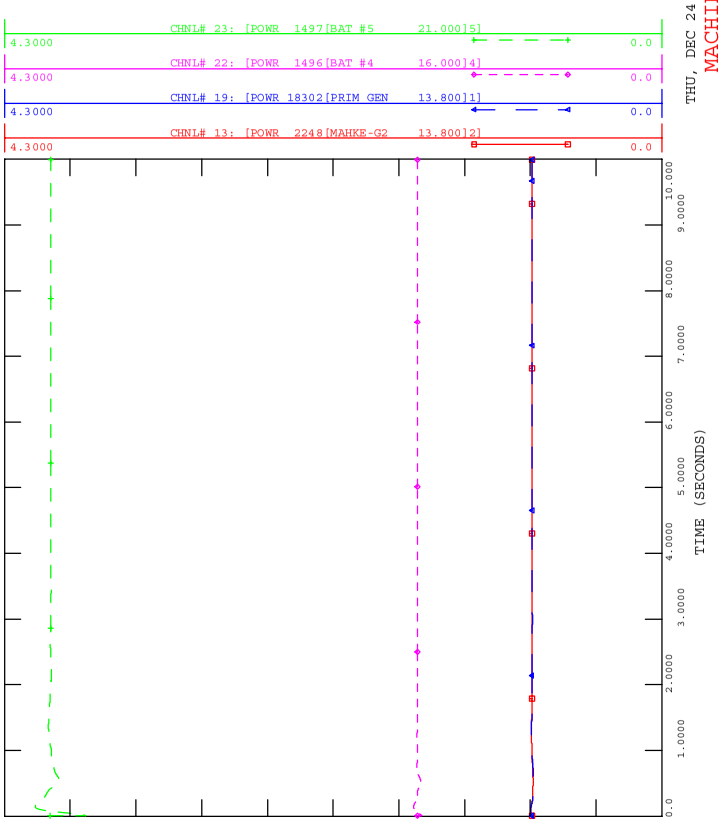


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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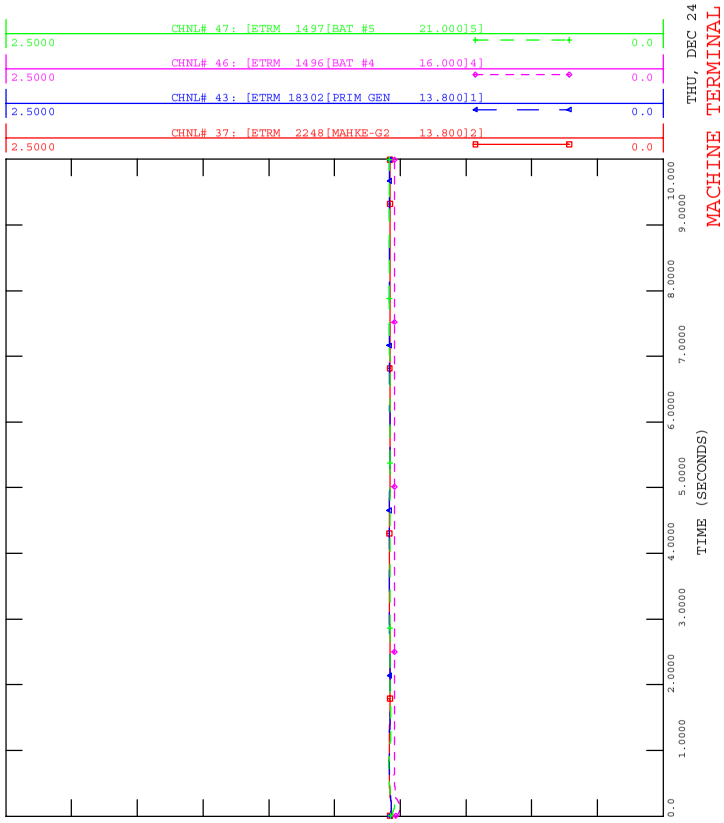


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

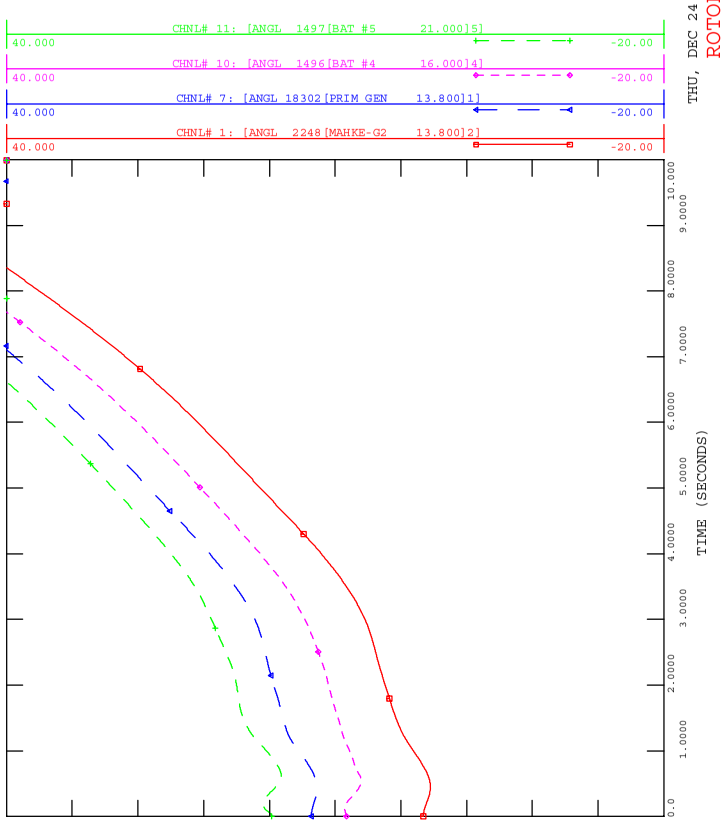


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

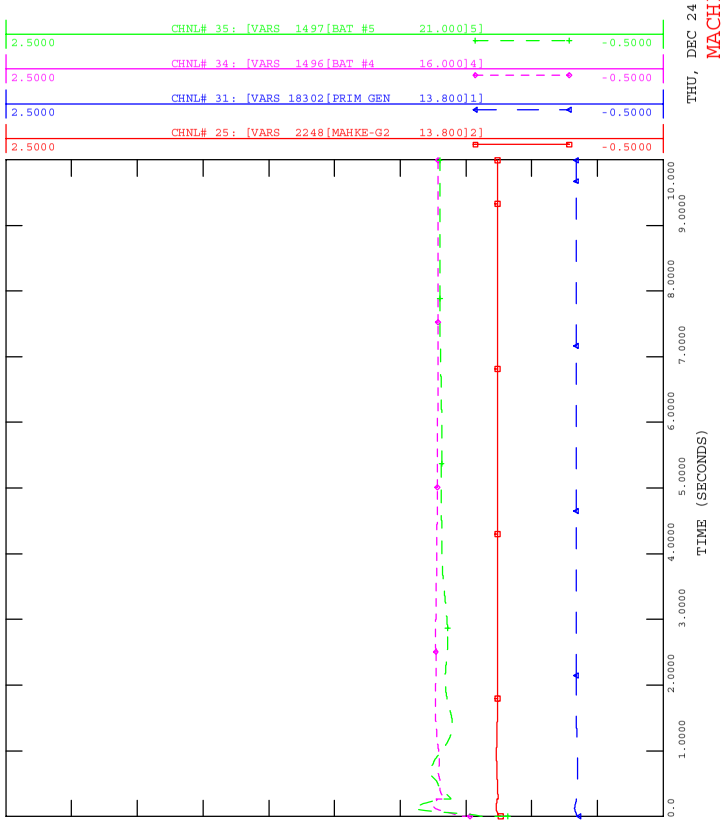


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MACHINE VARS

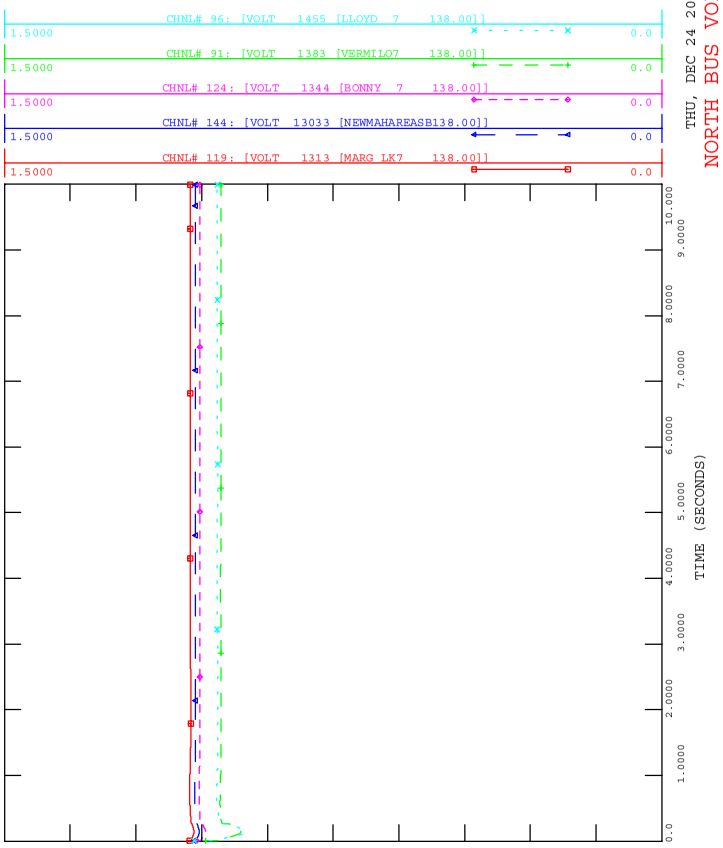


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH BUS VOLTAGES

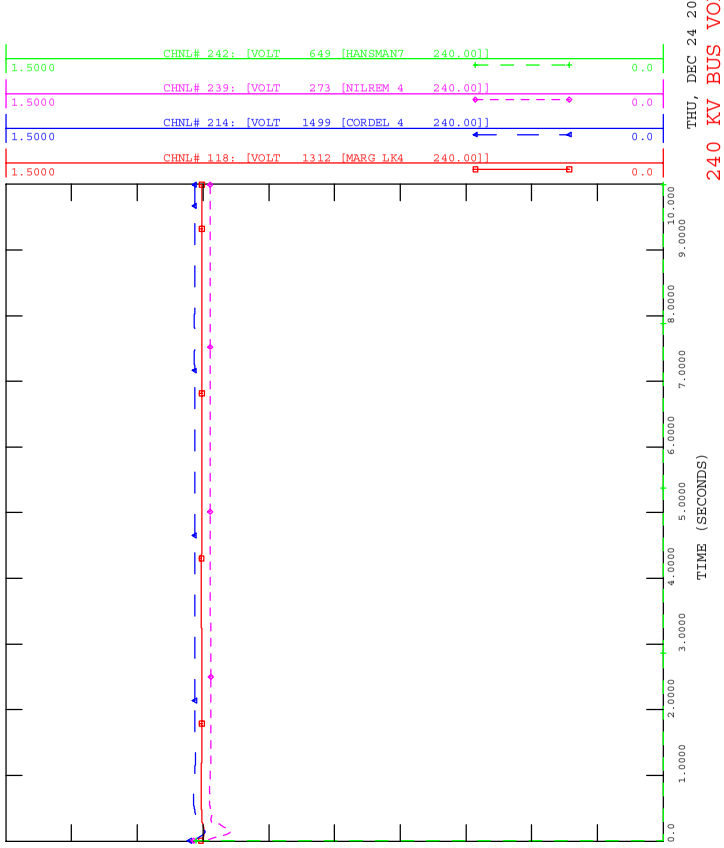


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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240 KV BUS VOLTAGES

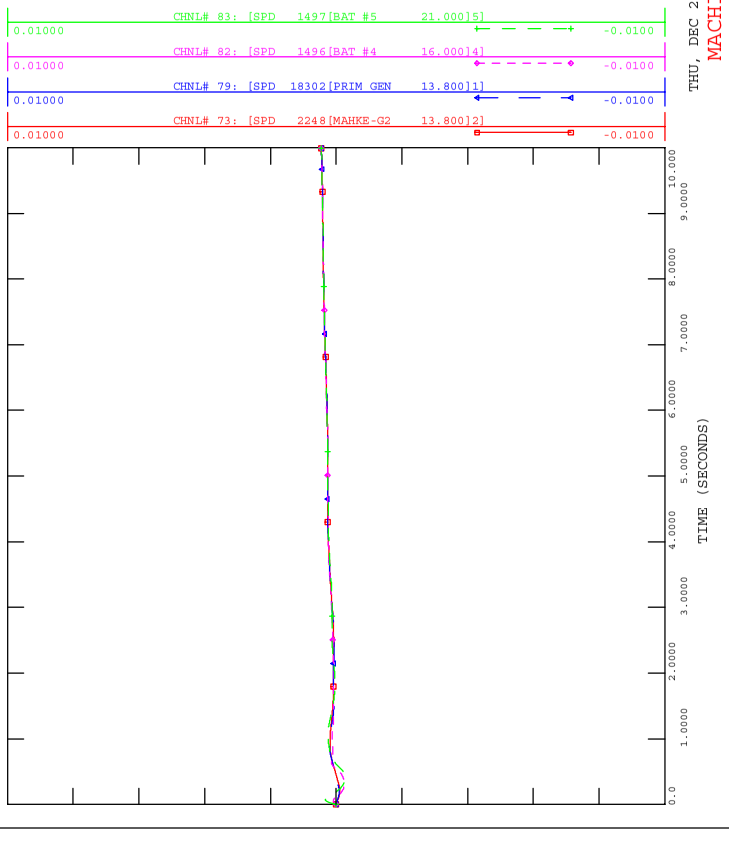


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MACHINE SPEED

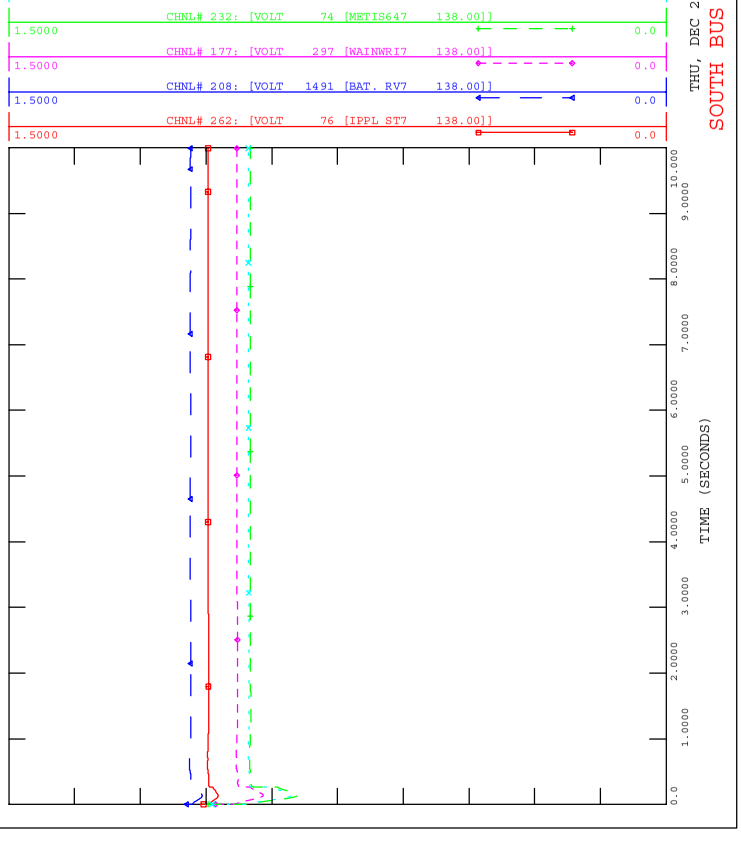


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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SOUTH BUS VOLTAGES

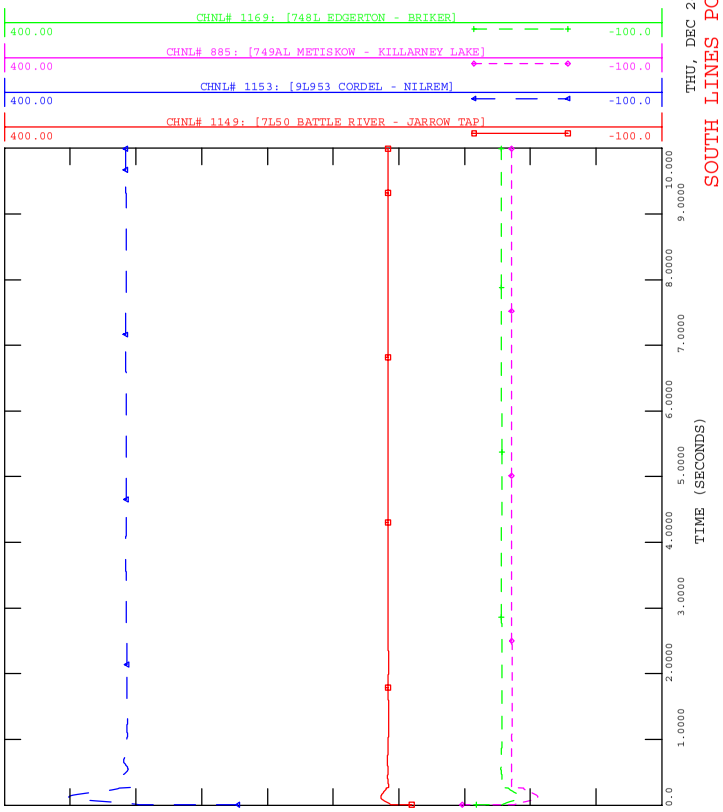


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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SOUTH LINES POWER FLOW

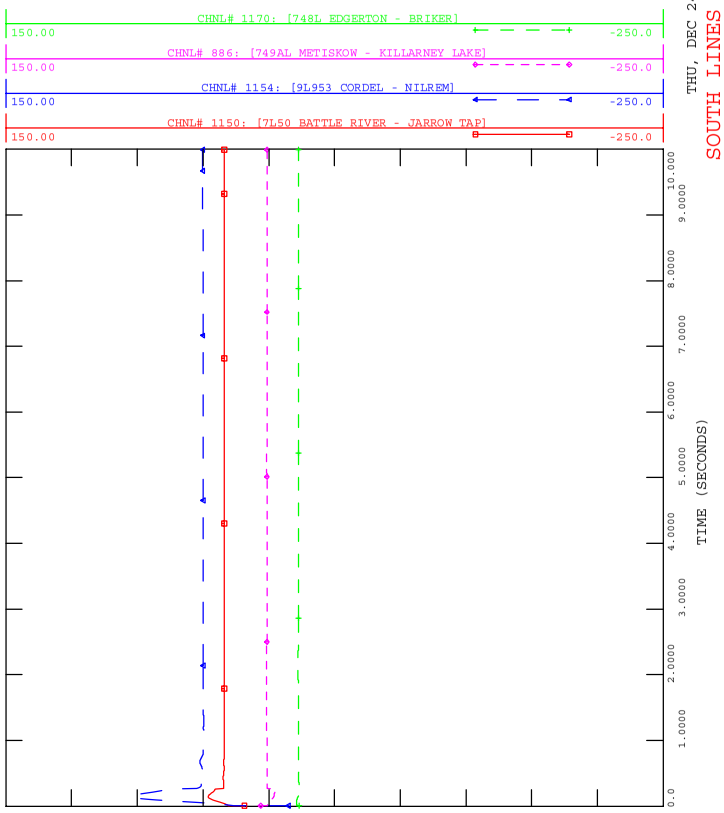


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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SOUTH LINES VAR FLOW

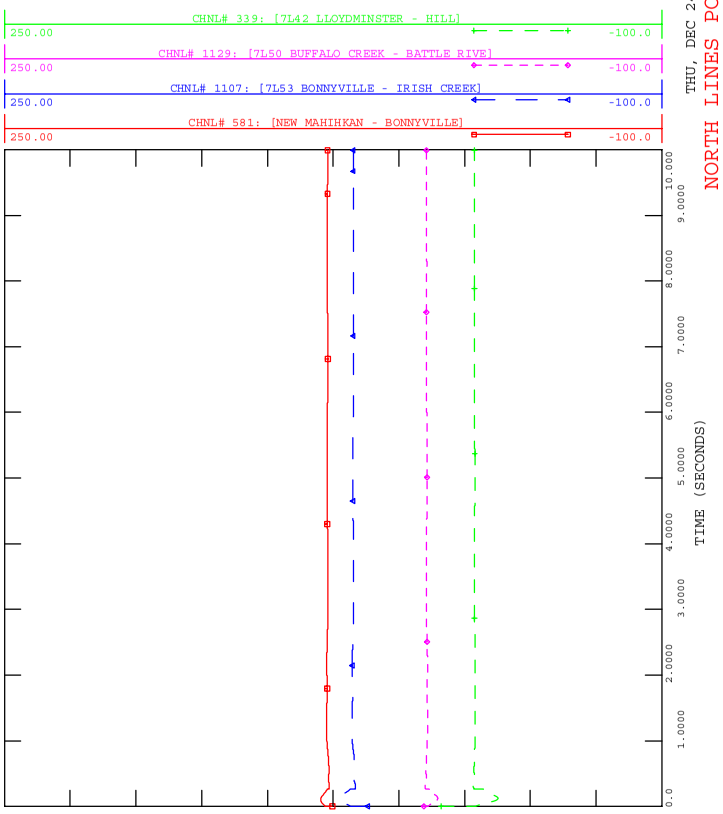


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES POWER FLOW

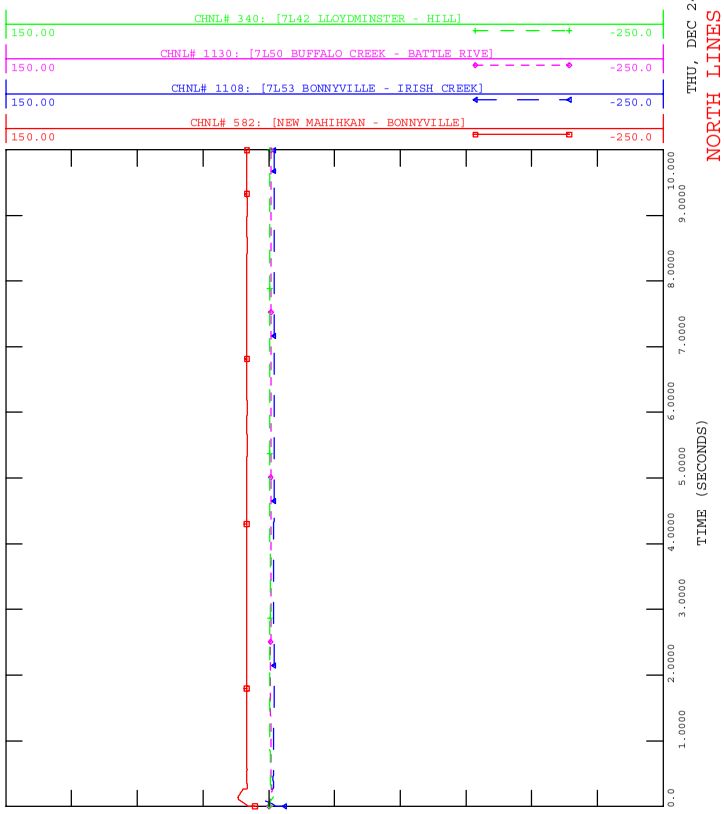


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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NORTH LINES VAR FLOW

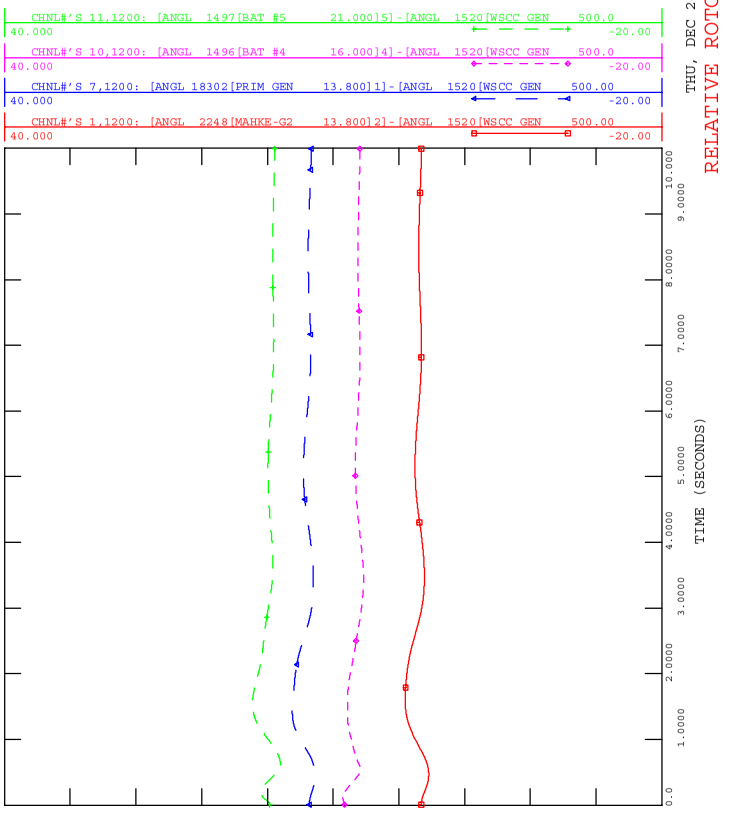


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

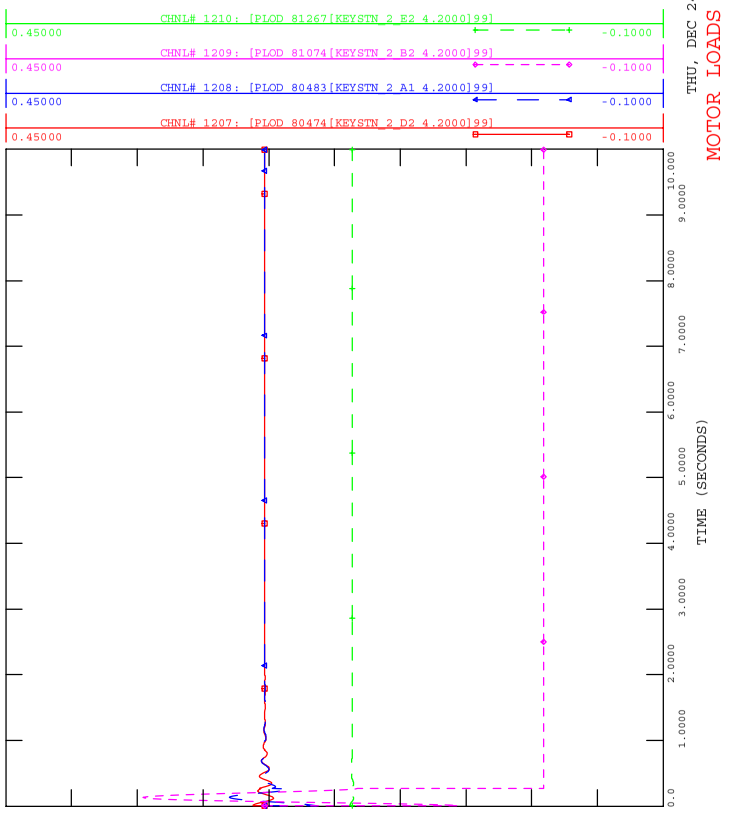


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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MOTOR LOADS GROUP II

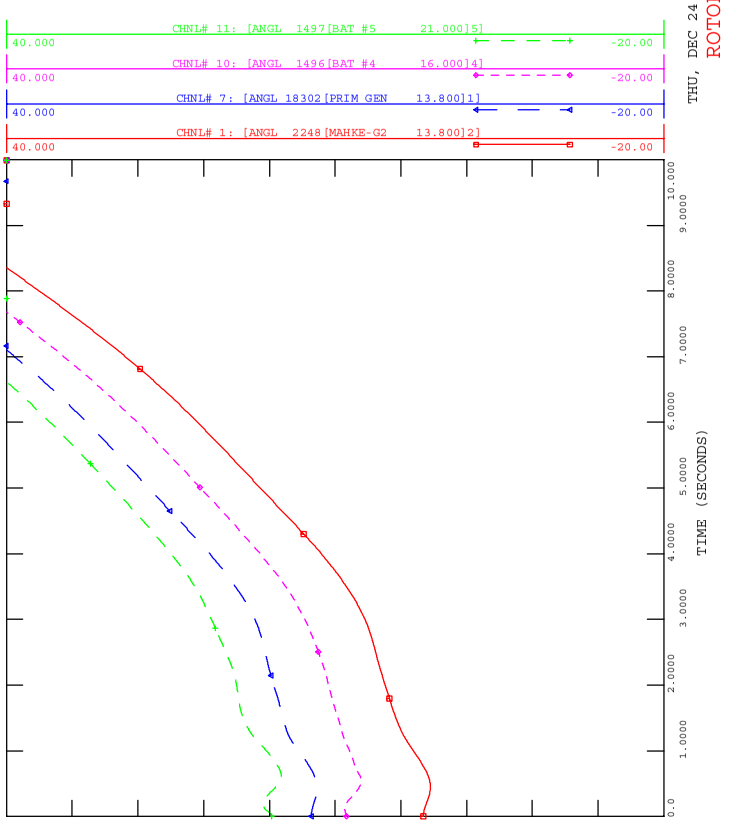


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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ROTOR ANGLES

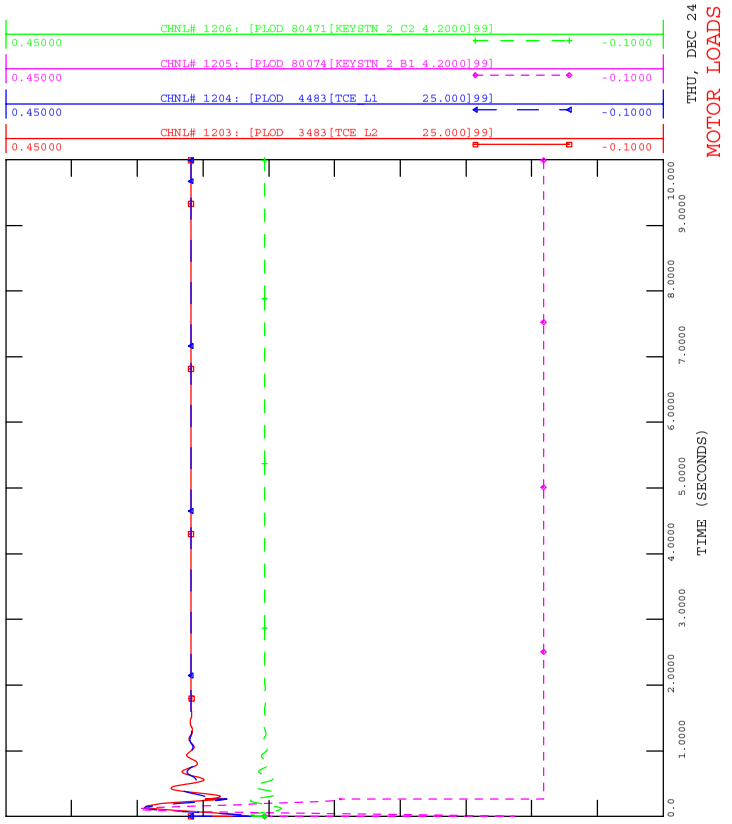


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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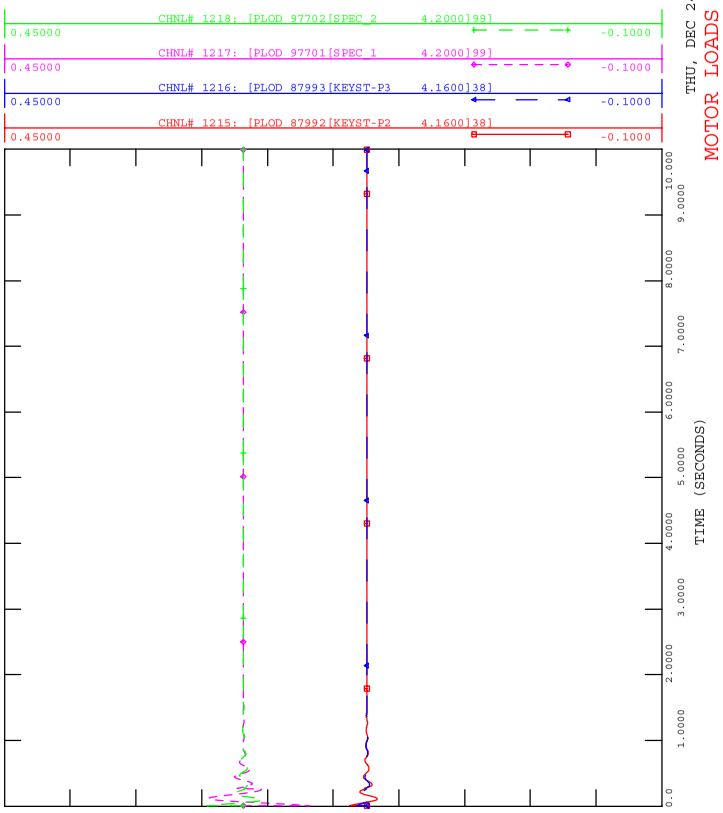
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

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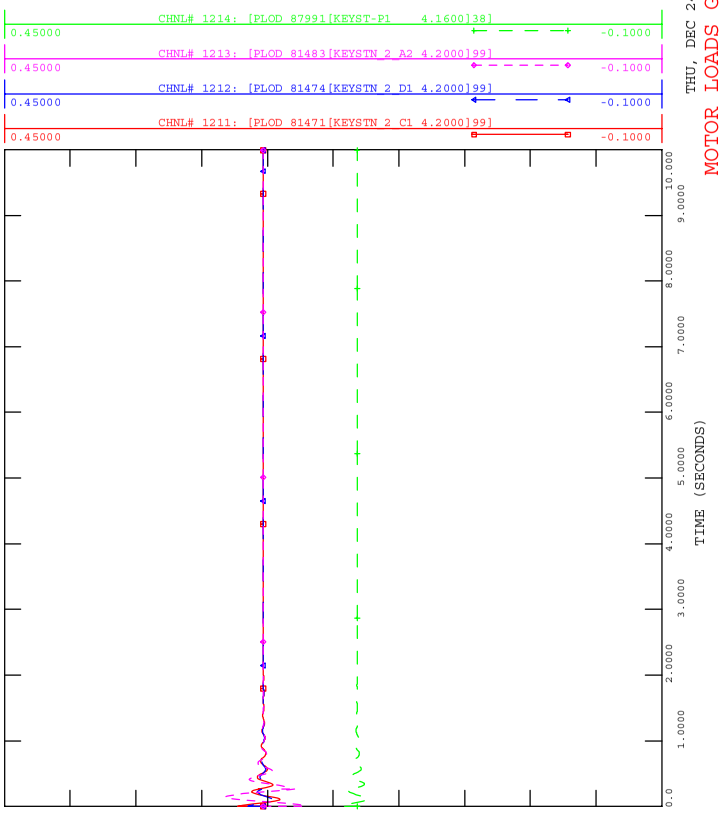


THU, DEC 24 2009 10:12

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D8-2Trip.out



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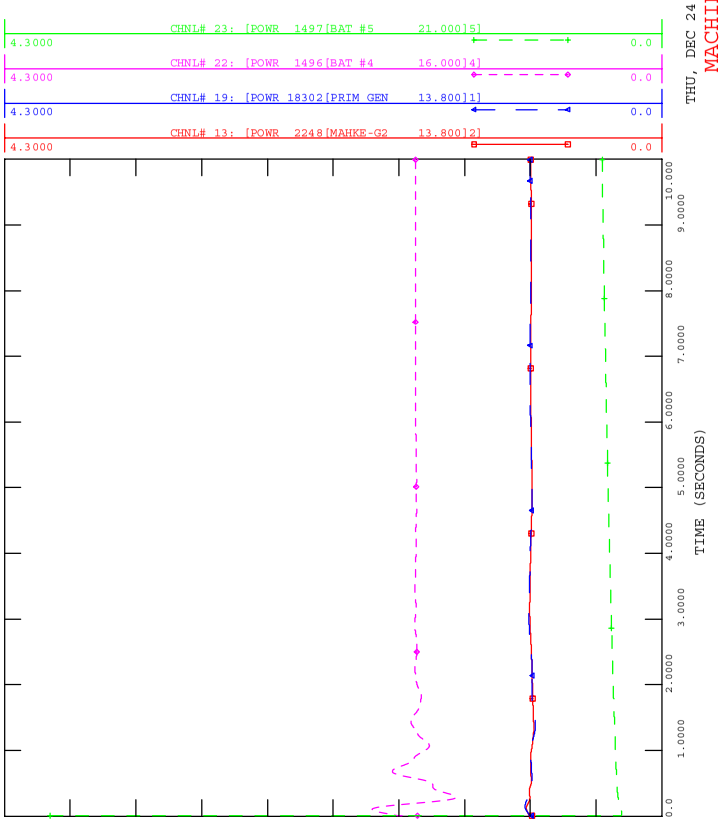
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

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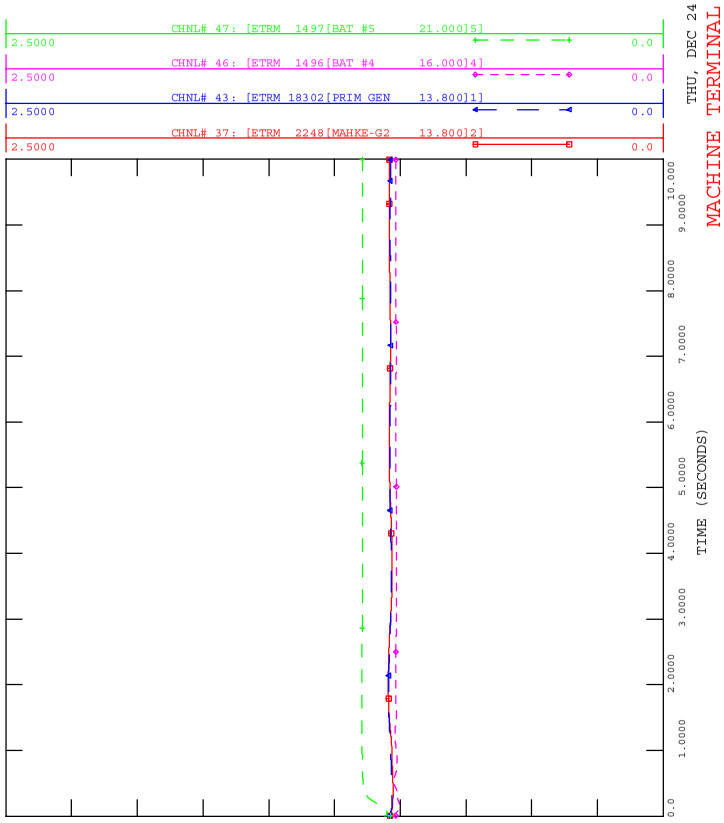


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

MACHINE TERMINAL VOLTAGE

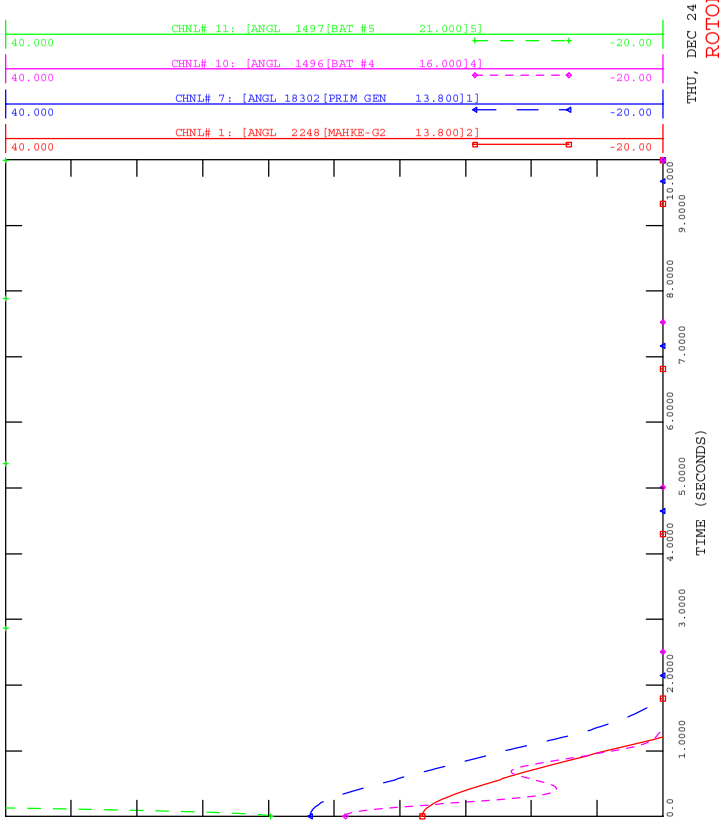


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

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ROTOR ANGLES

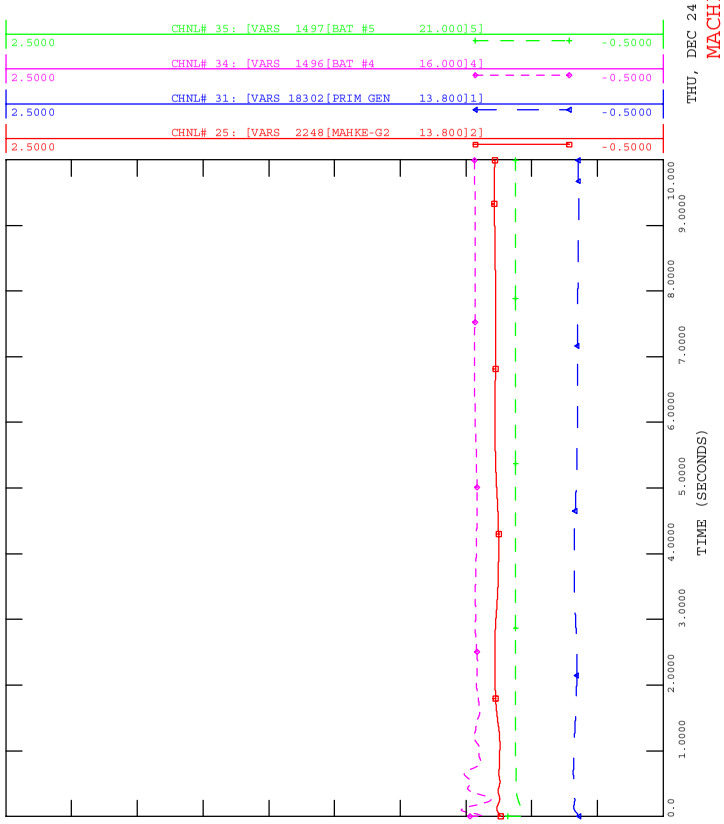


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

MACHINE VARS

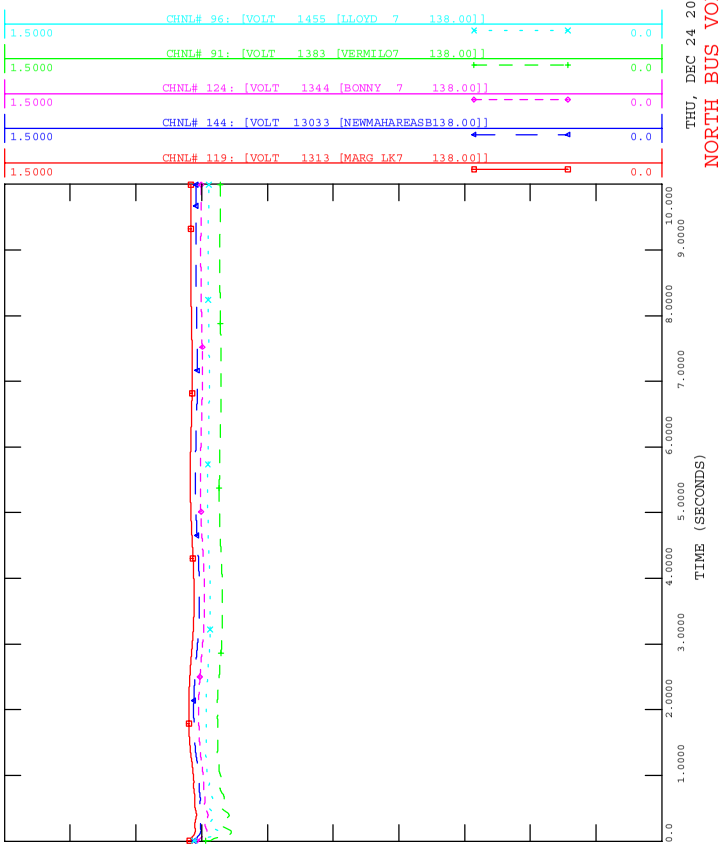


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

NORTH BUS VOLTAGES

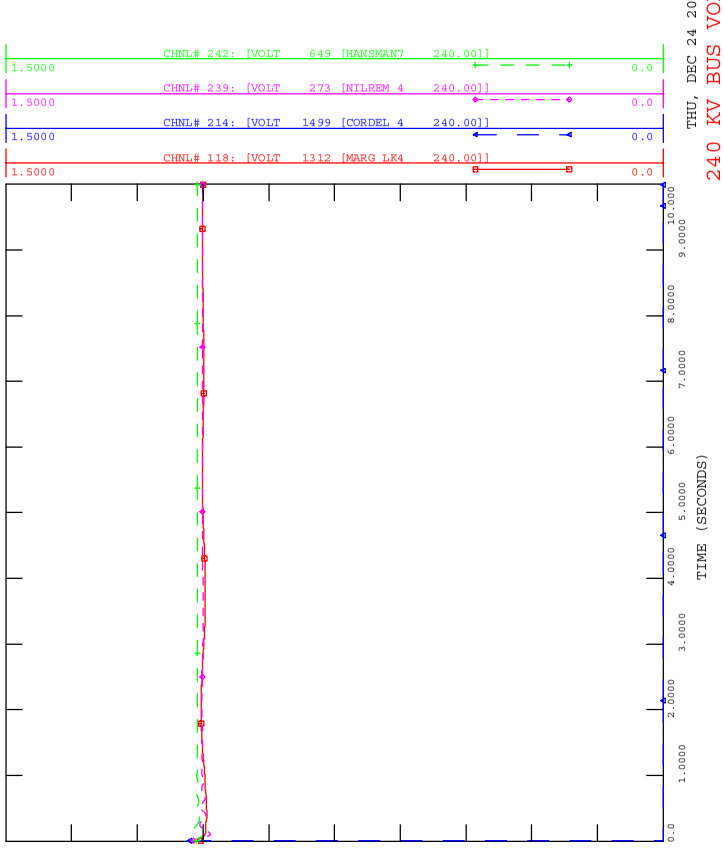


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

240 KV BUS VOLTAGES

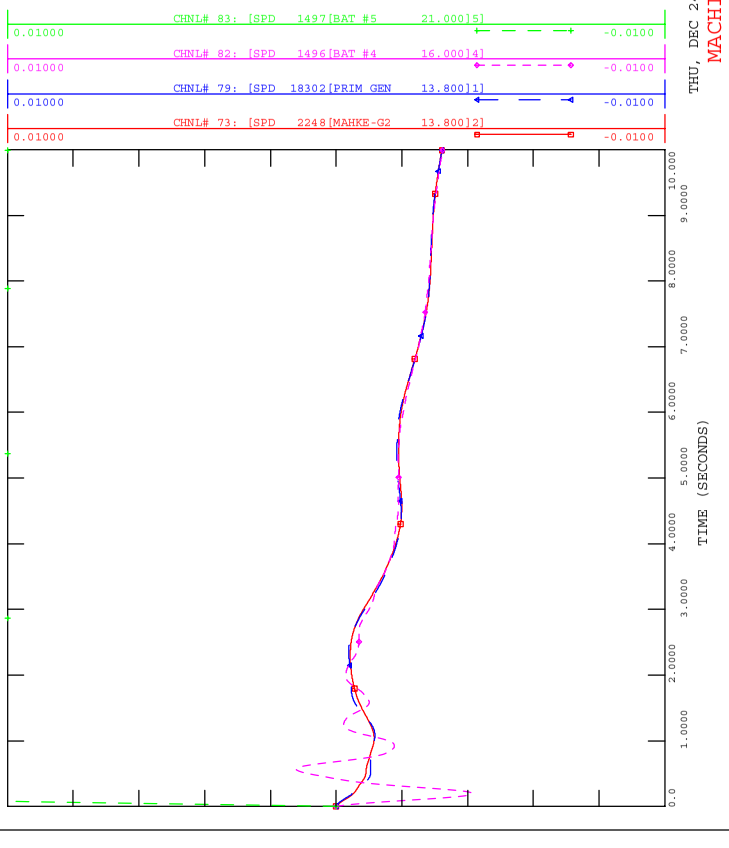


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

MACHINE SPEED

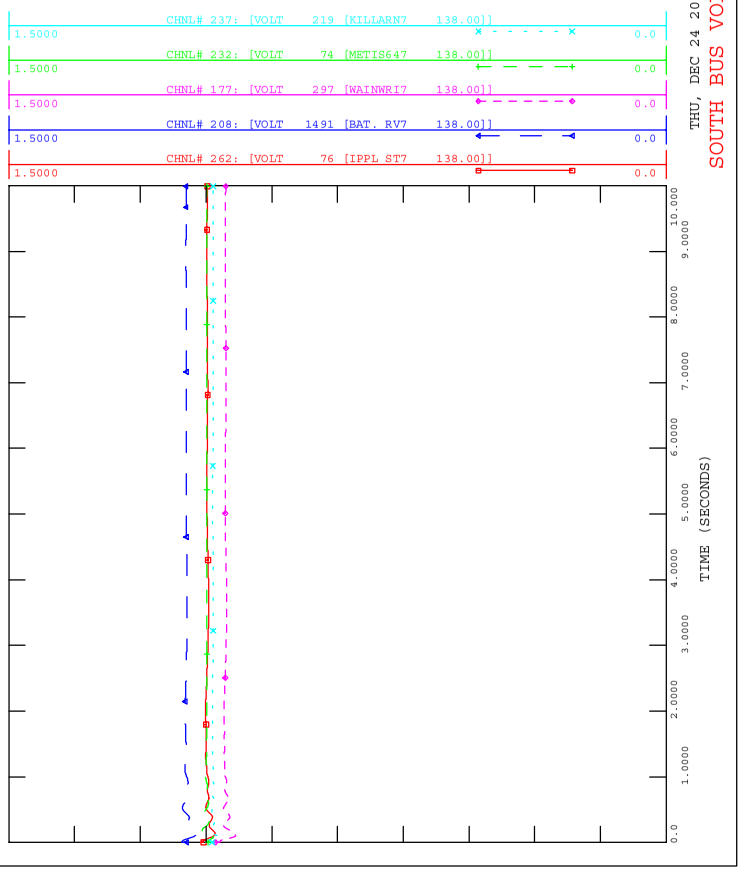


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

SOUTH BUS VOLTAGES

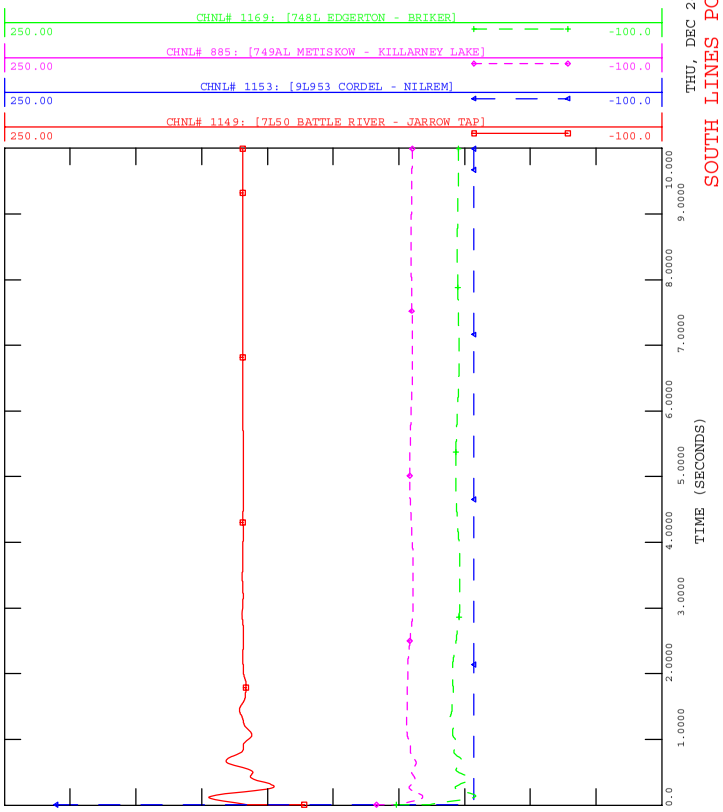


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

SOUTH LINES POWER FLOW

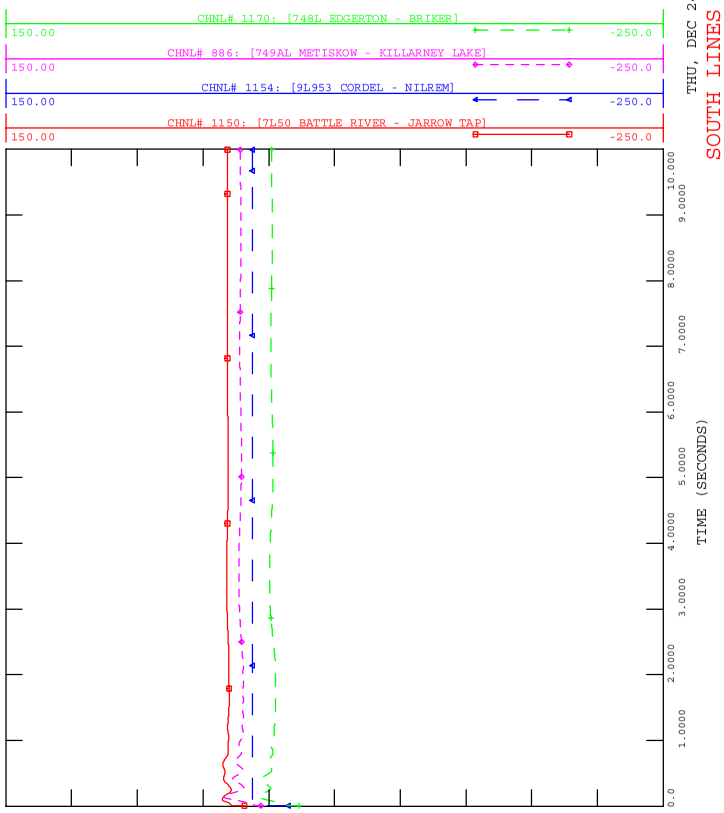


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

SOUTH LINES VAR FLOW

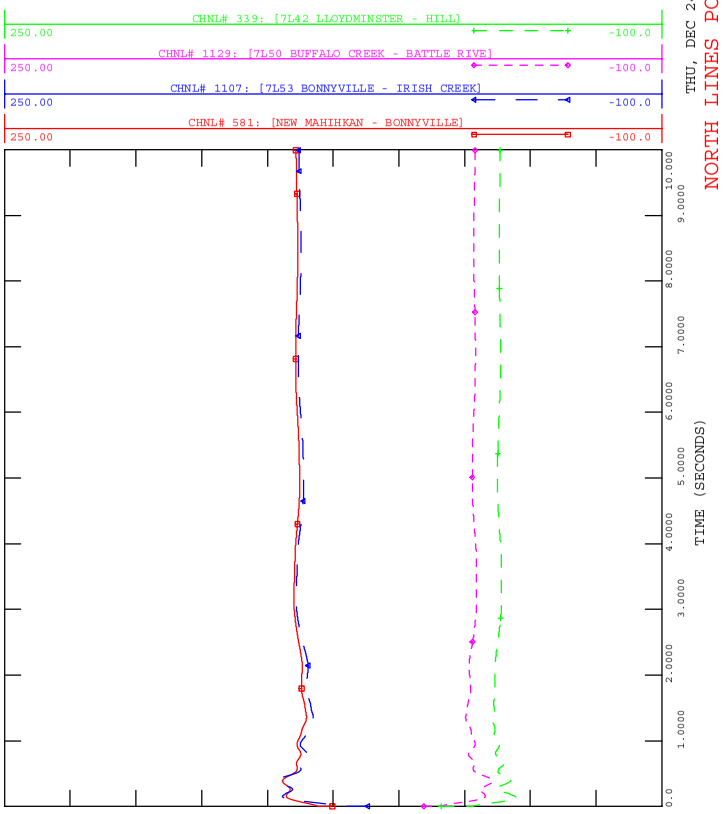


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

NORTH LINES POWER FLOW

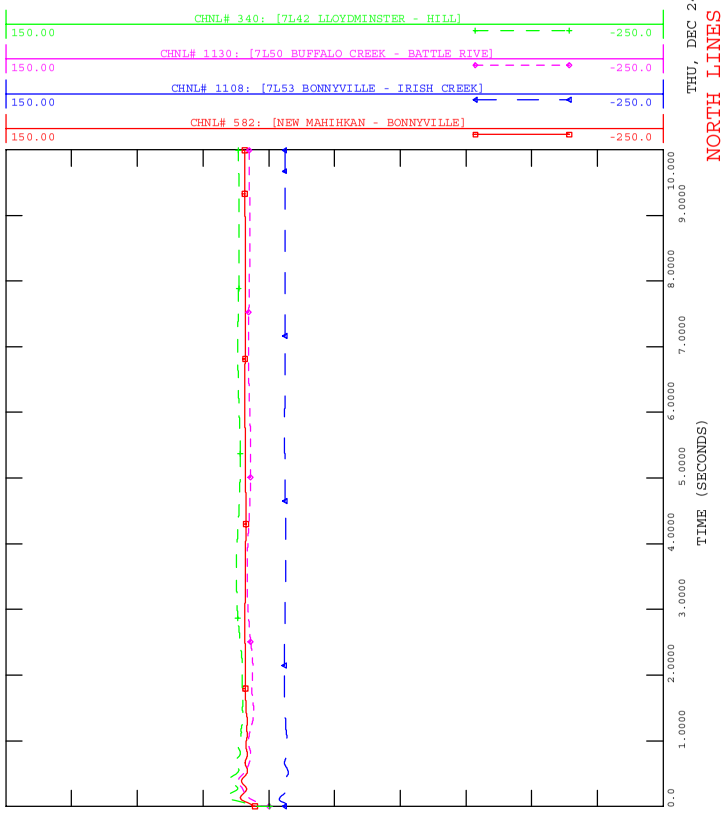


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

NORTH LINES VAR FLOW

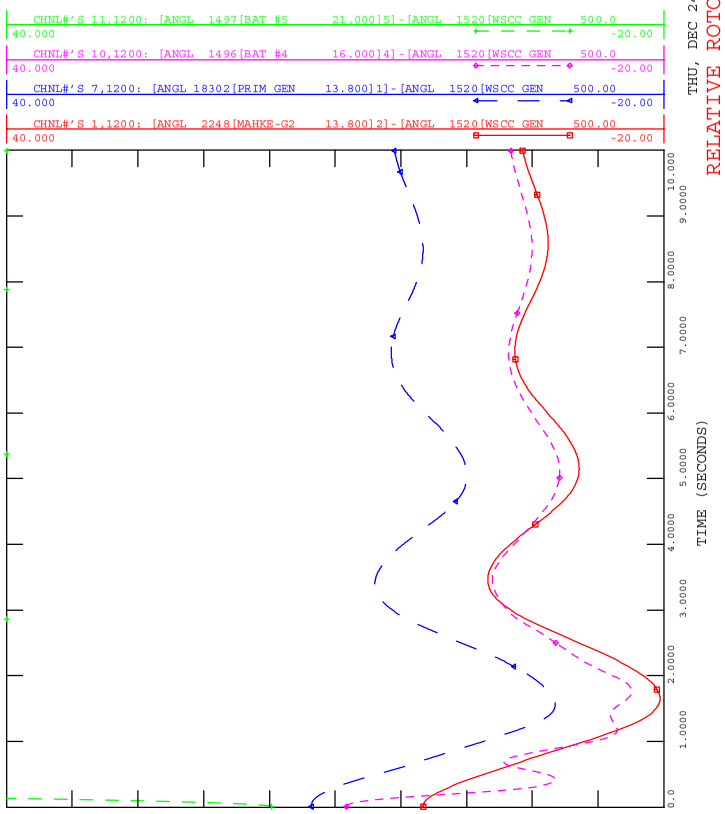


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

RELATIVE ROTOR ANGLES

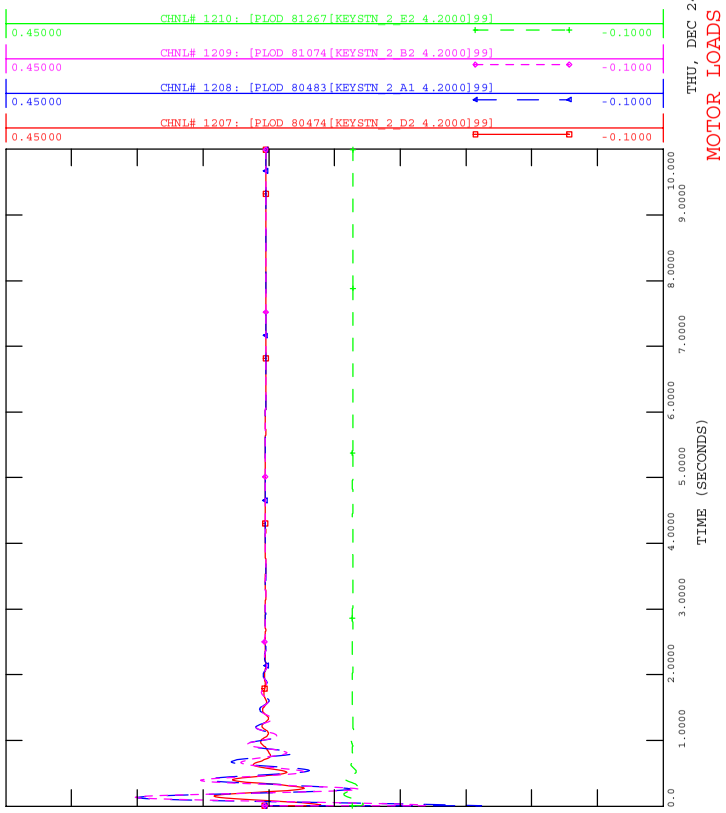


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

MOTOR LOADS GROUP II

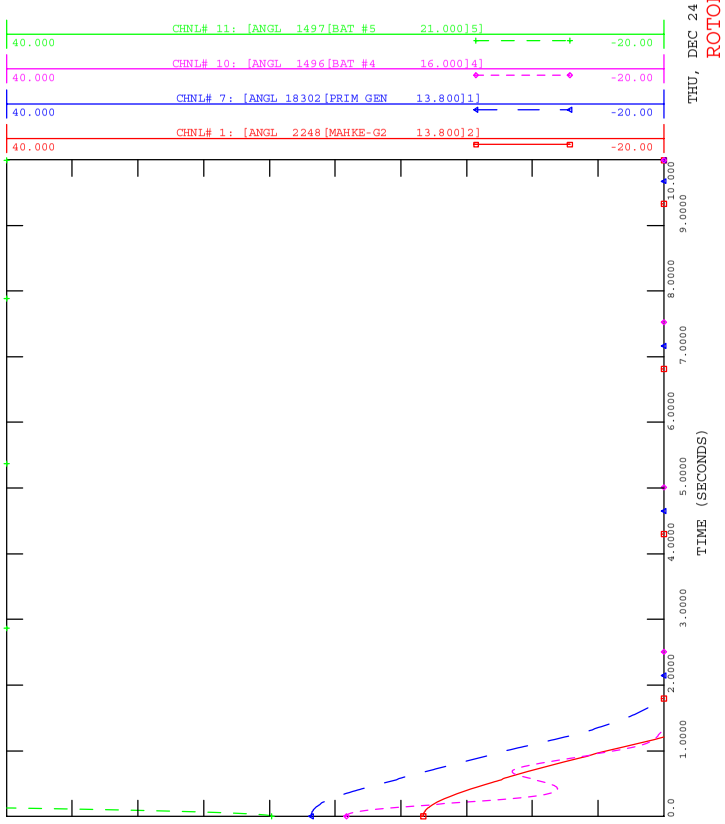


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

THU, DEC 24 2009 8:13

ROTOR ANGLES

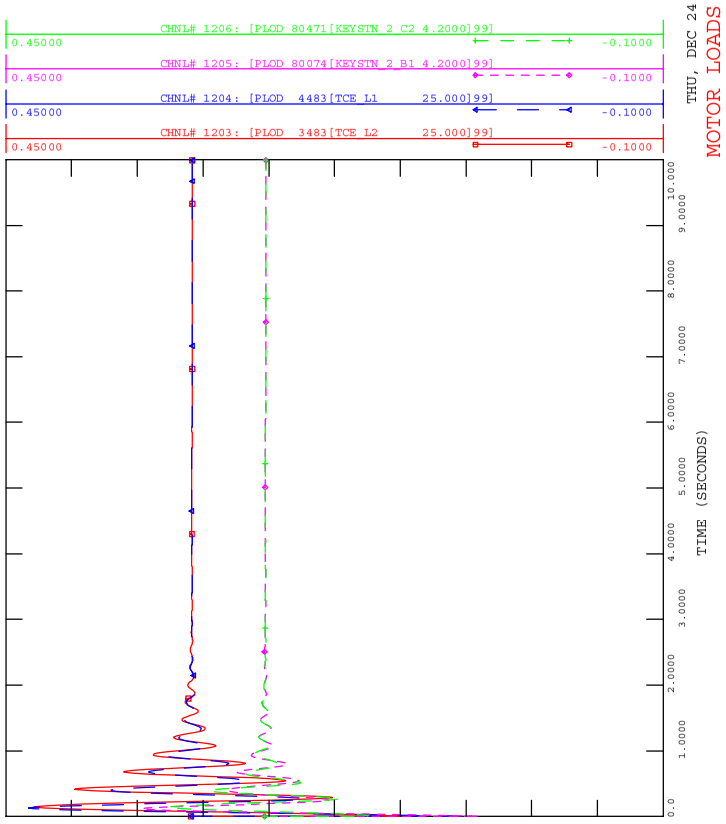


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

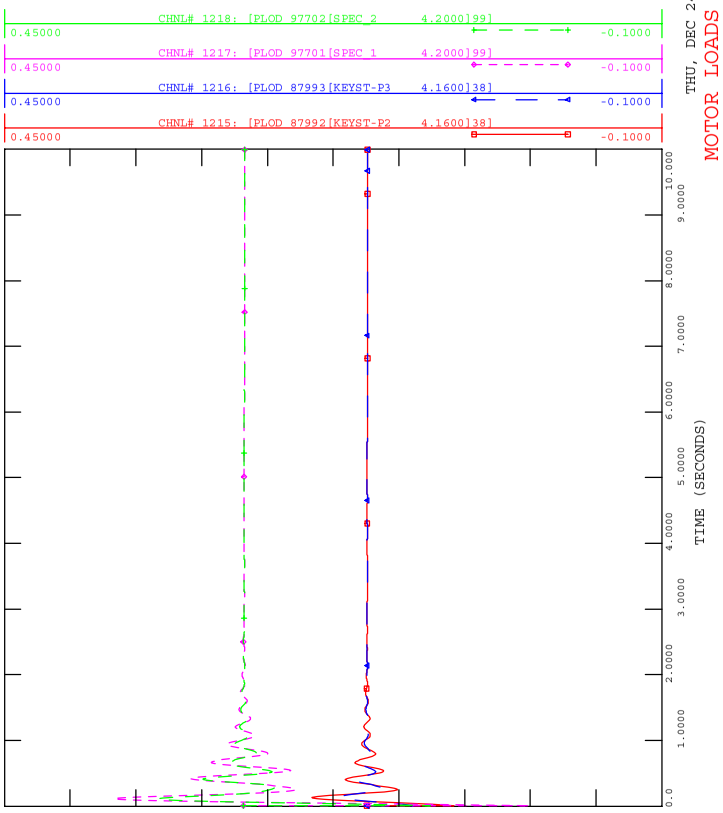
THU, DEC 24 2009 8:13

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out

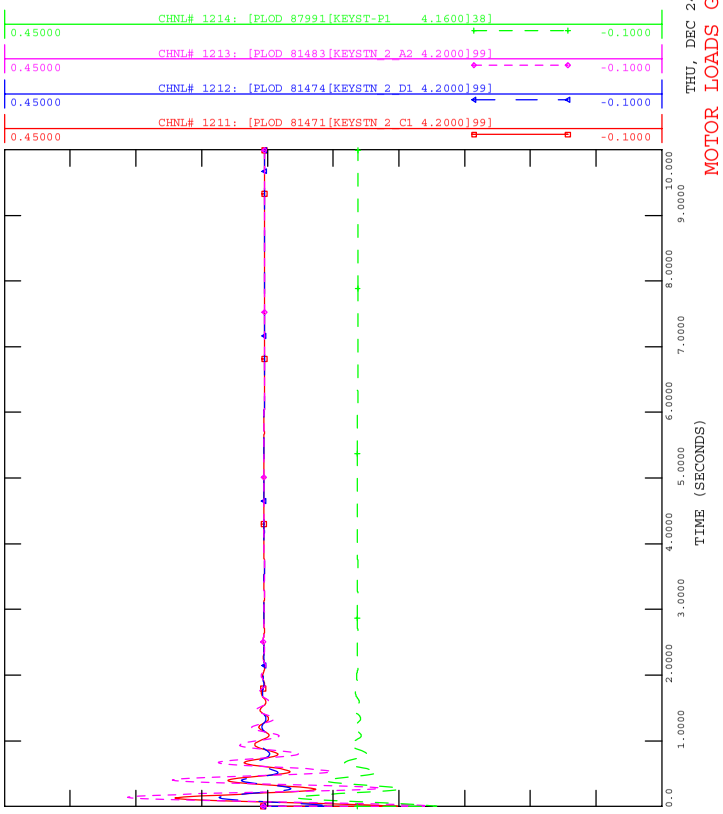


THU, DEC 24 2009 8:13

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D9-1Trip.out



THU, DEC 24 2009 8:13

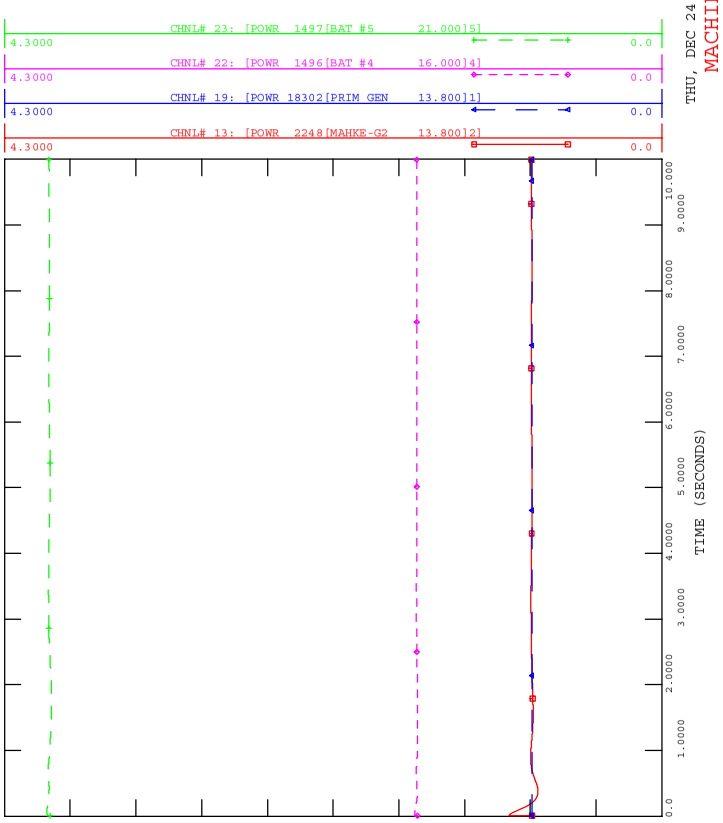
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:13

MACHINE POWER

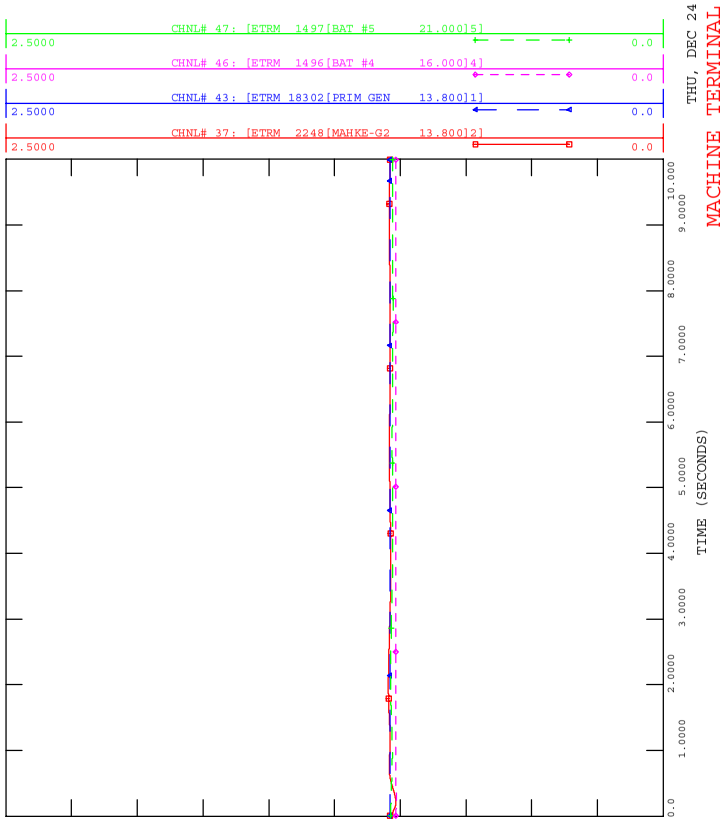


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:13

MACHINE TERMINAL VOLTAGE

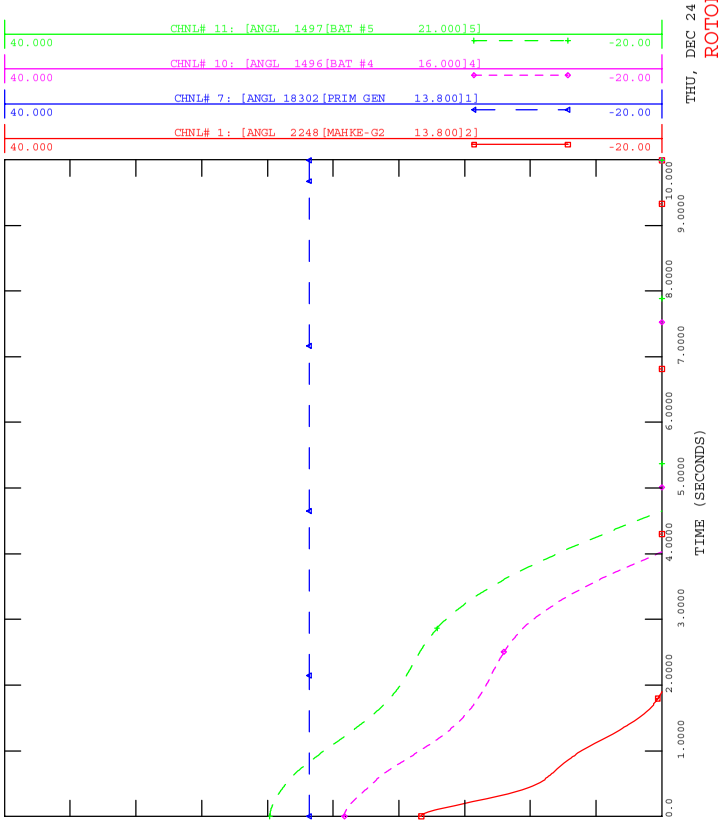


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:13

ROTOR ANGLES

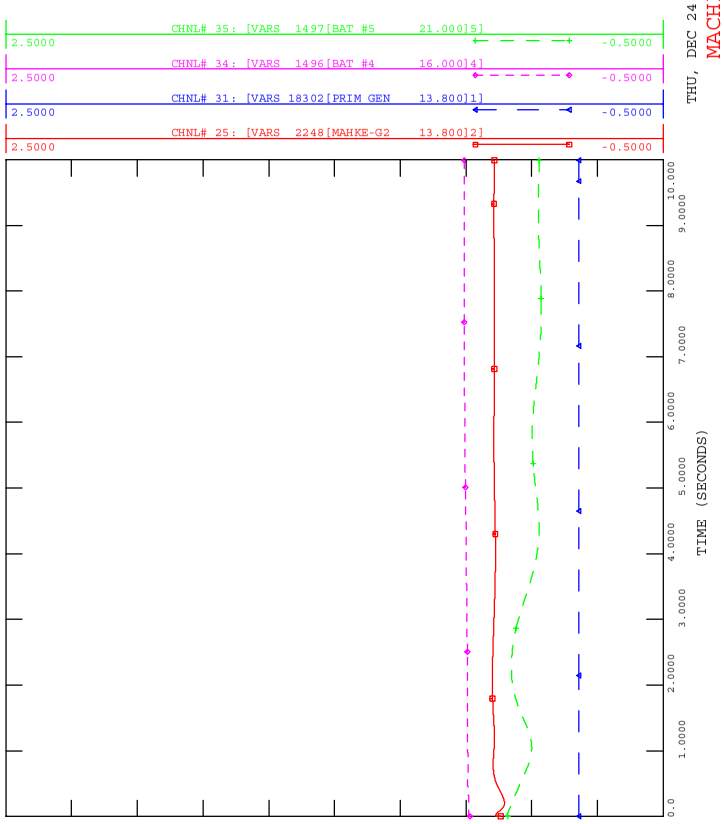


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:13

MACHINE VARS

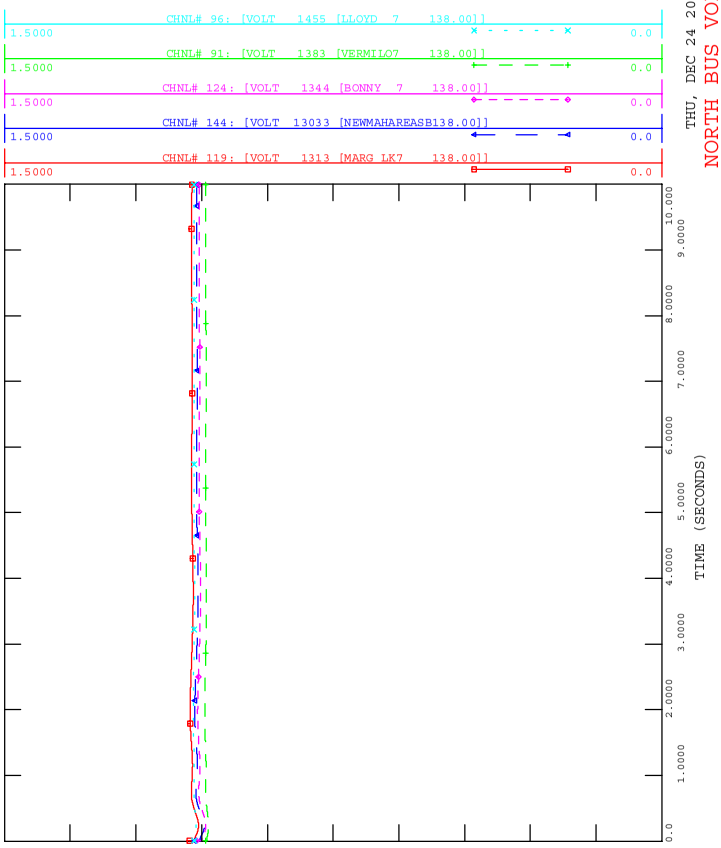


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

NORTH BUS VOLTAGES

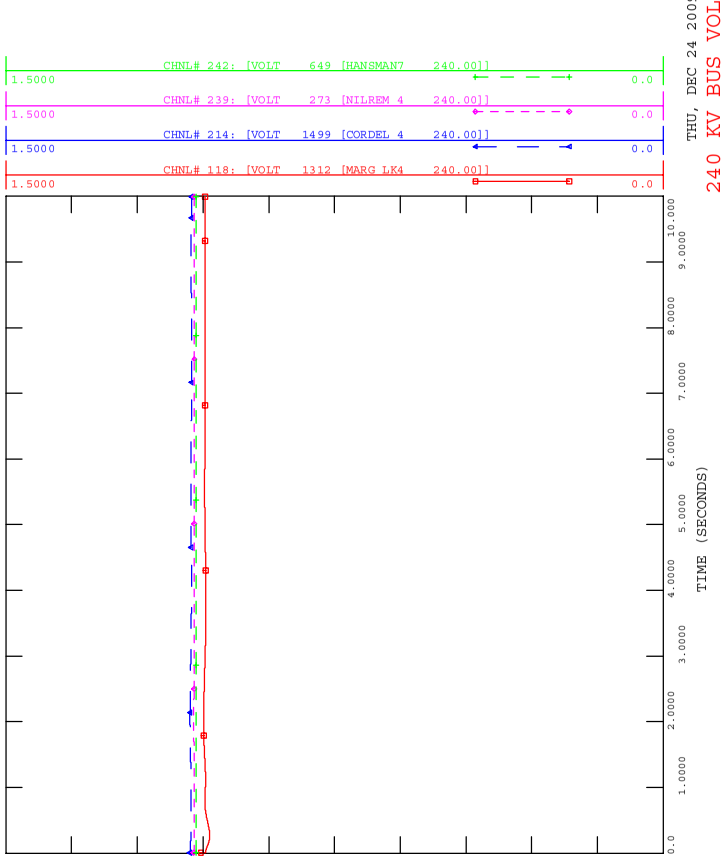


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

240 KV BUS VOLTAGES

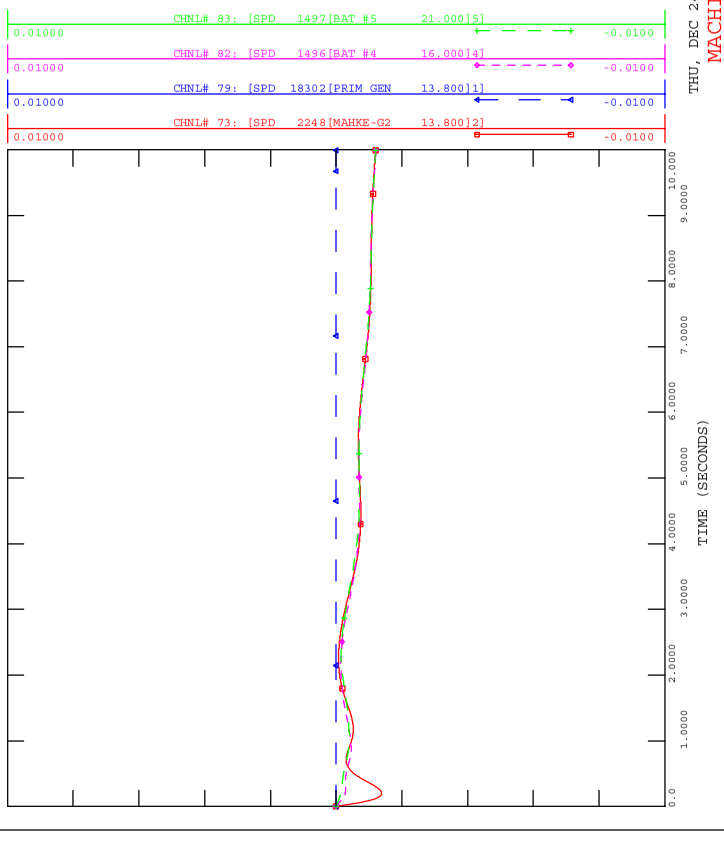


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

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MACHINE SPEED

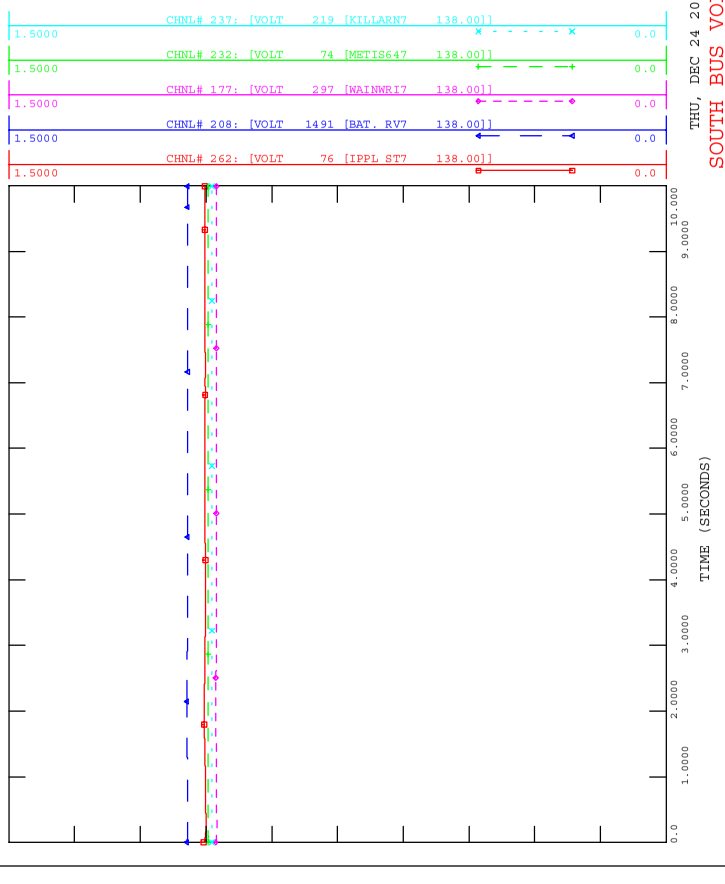


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

SOUTH BUS VOLTAGES

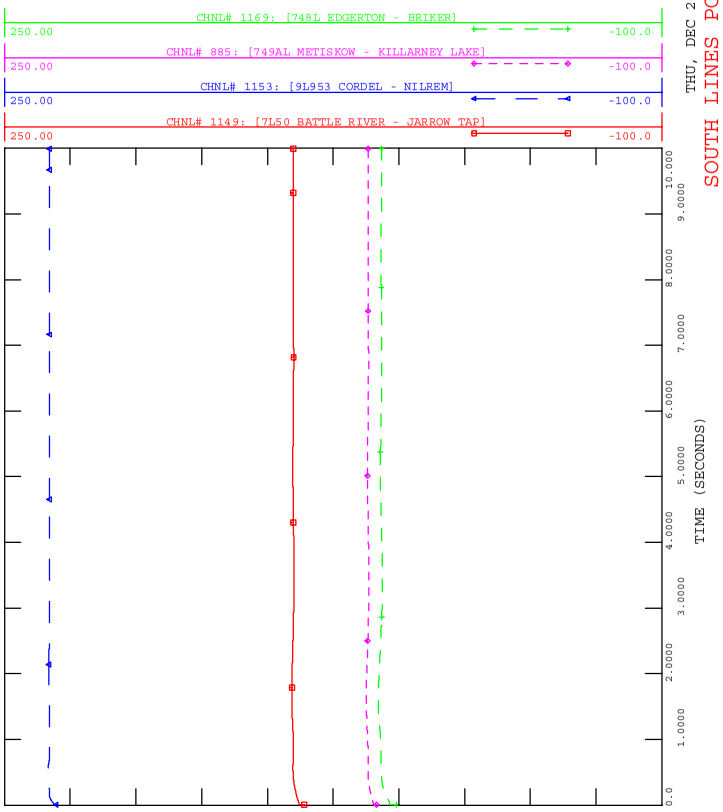


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

SOUTH LINES POWER FLOW

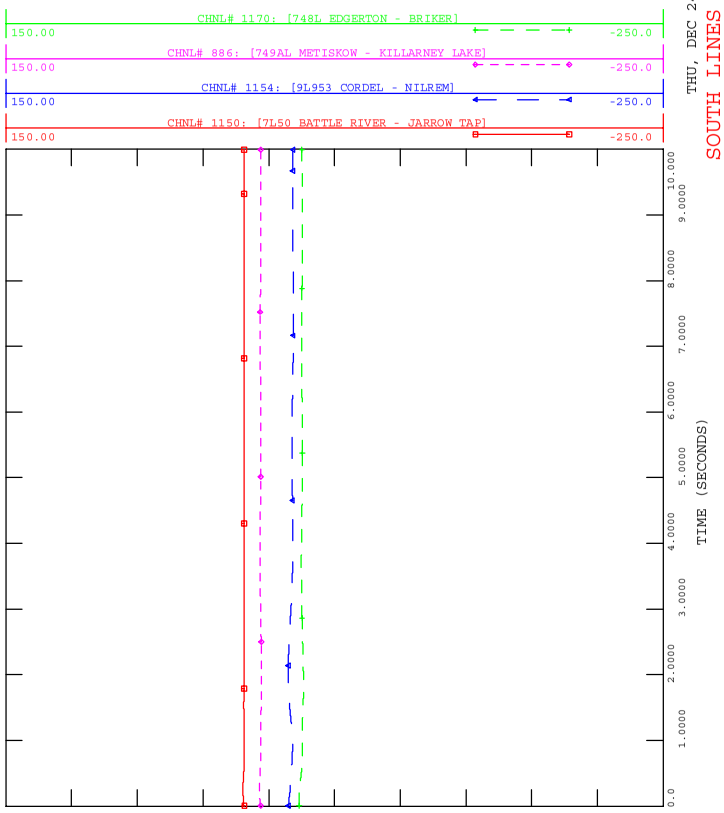


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

SOUTH LINES VAR FLOW

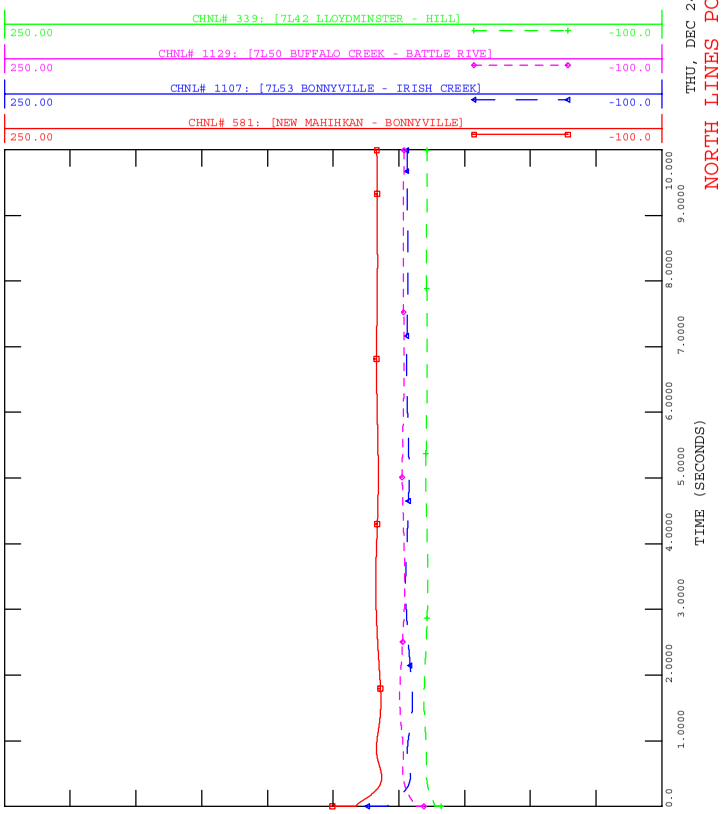


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

NORTH LINES POWER FLOW

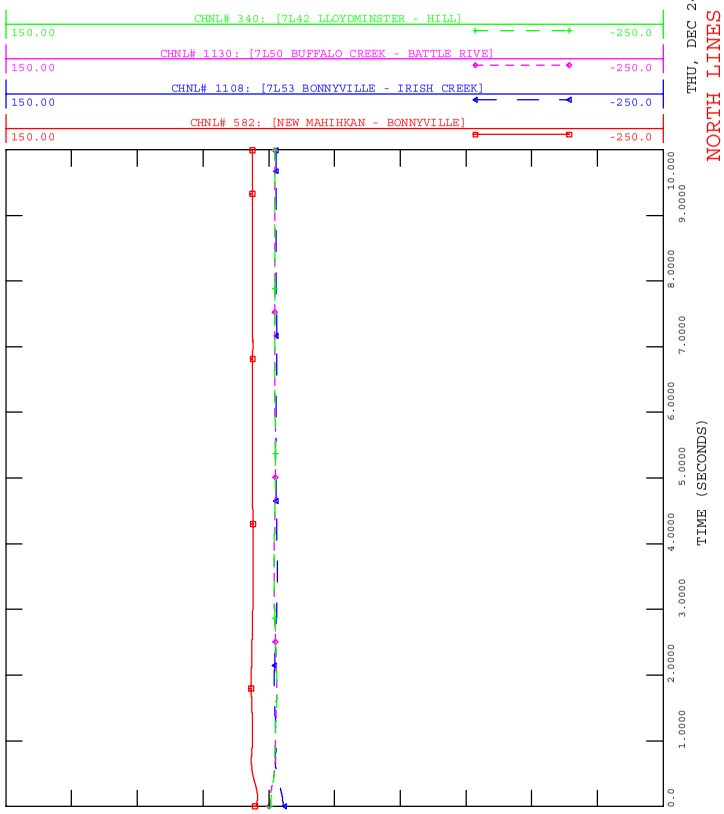


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

NORTH LINES VAR FLOW

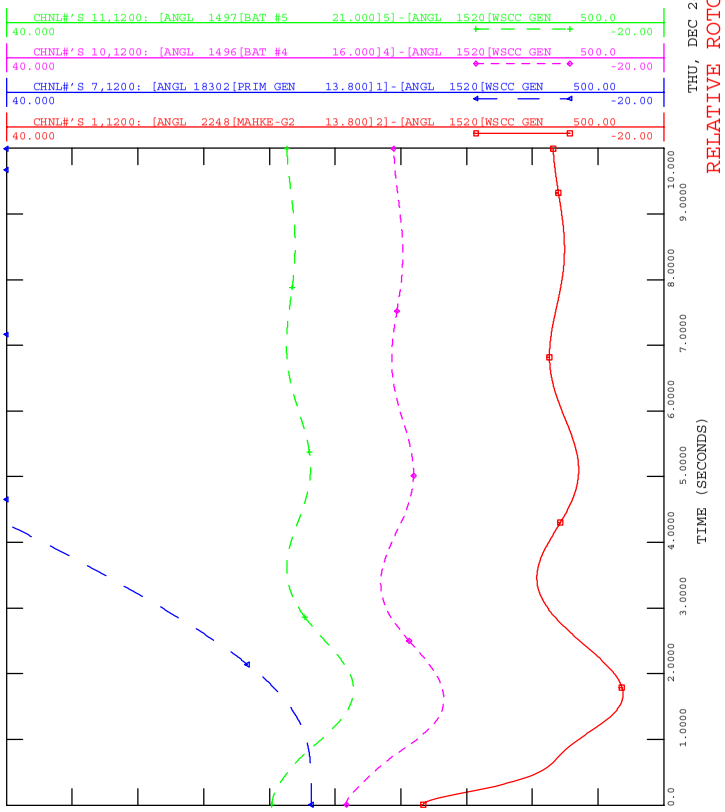


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

RELATIVE ROTOR ANGLES

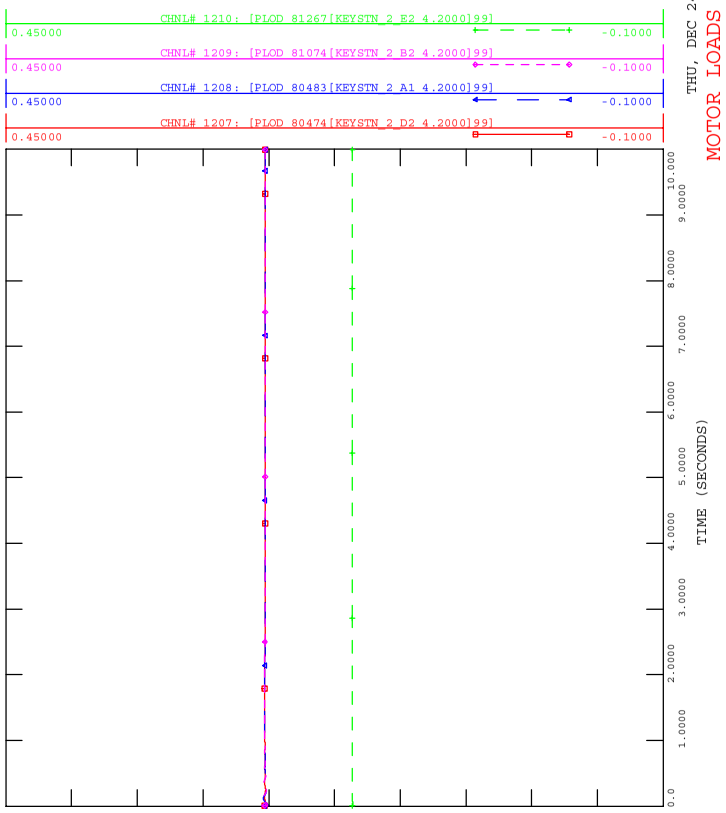


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

MOTOR LOADS GROUP II

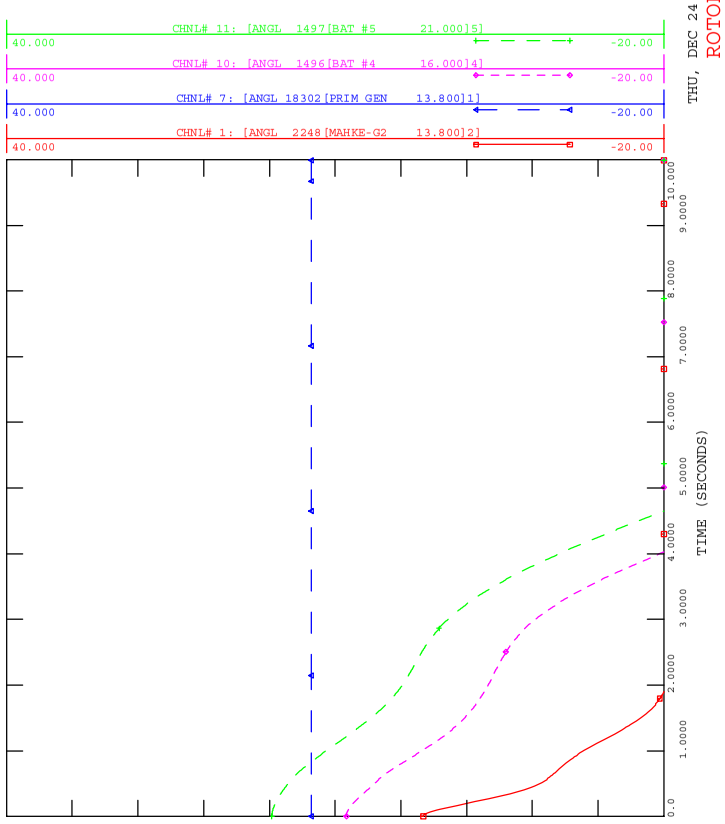


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

THU, DEC 24 2009 8:14

ROTOR ANGLES

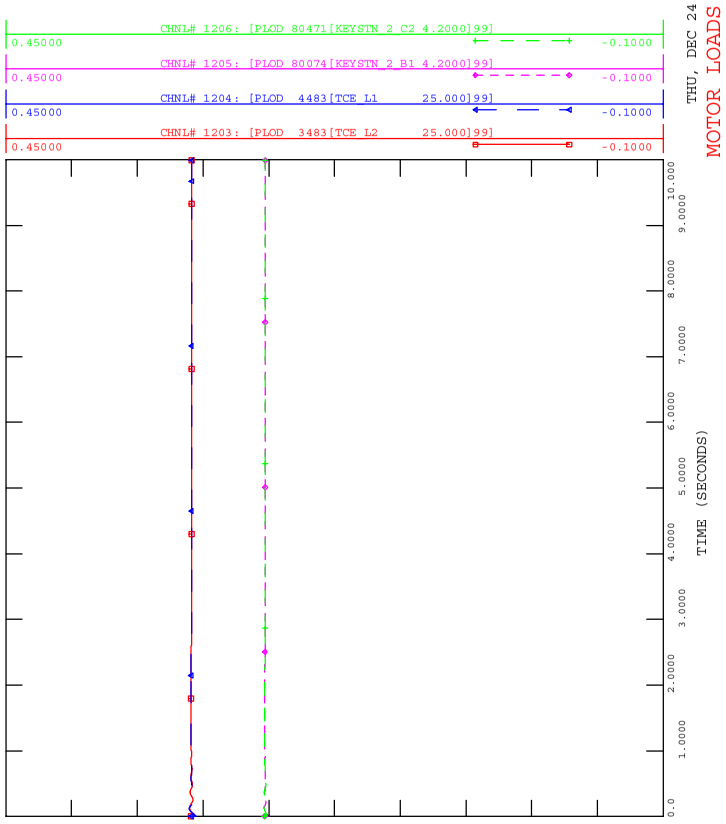


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

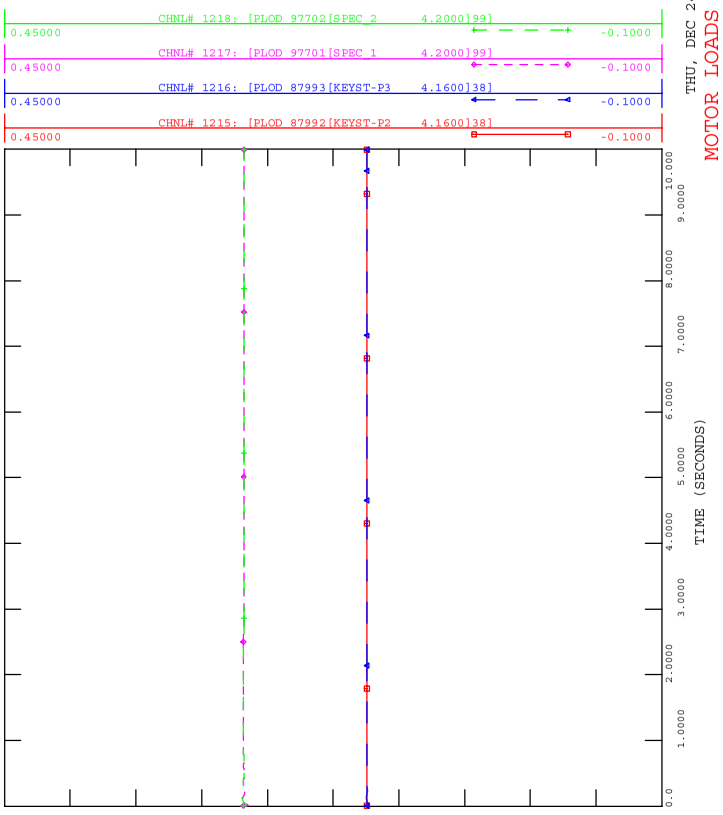
THU, DEC 24 2009 8:14

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out

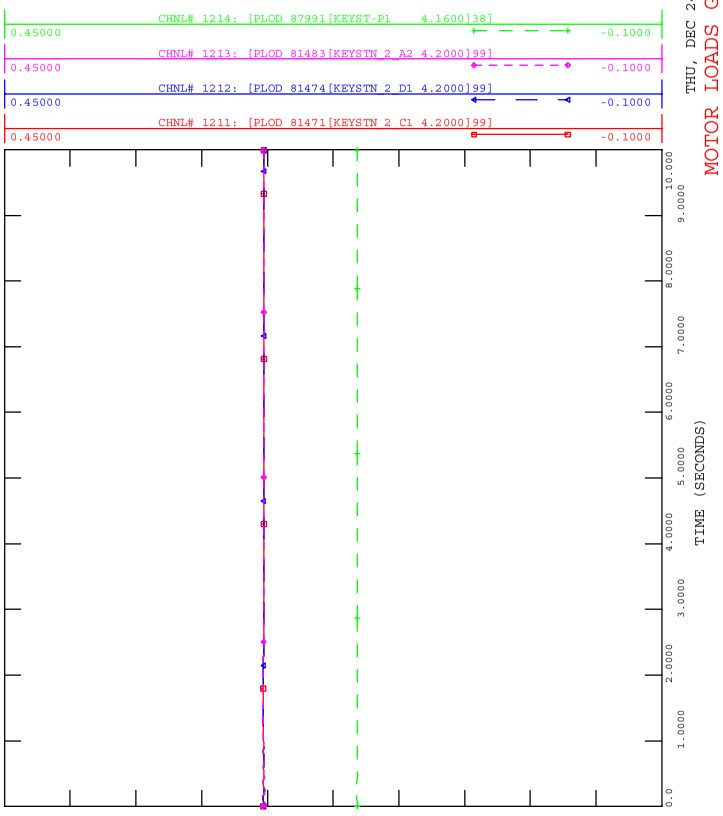


THU, DEC 24 2009 8:14

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-1Trip.out



THU, DEC 24 2009 8:14

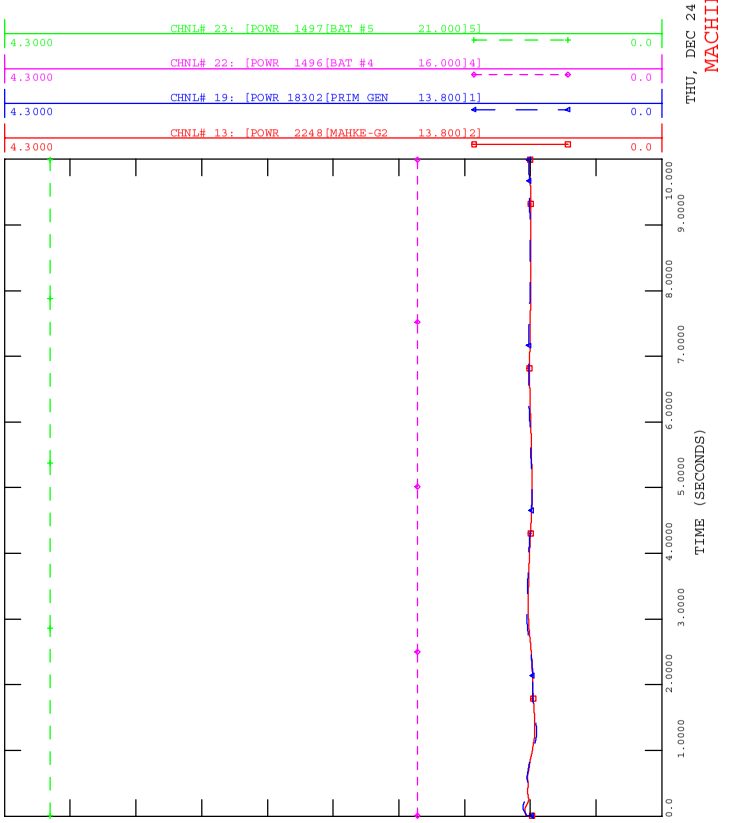
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

MACHINE POWER

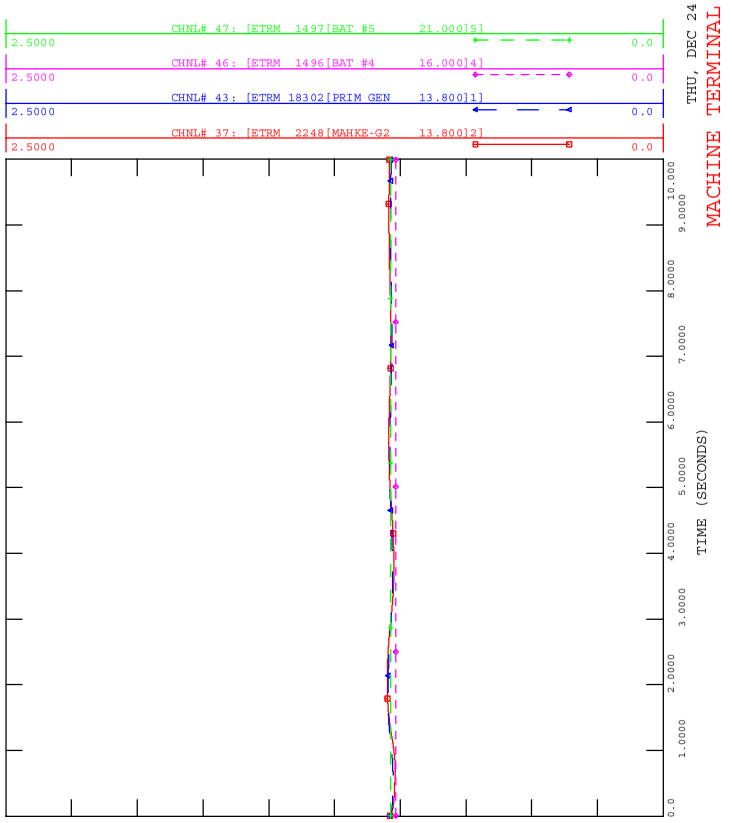


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

MACHINE TERMINAL VOLTAGE

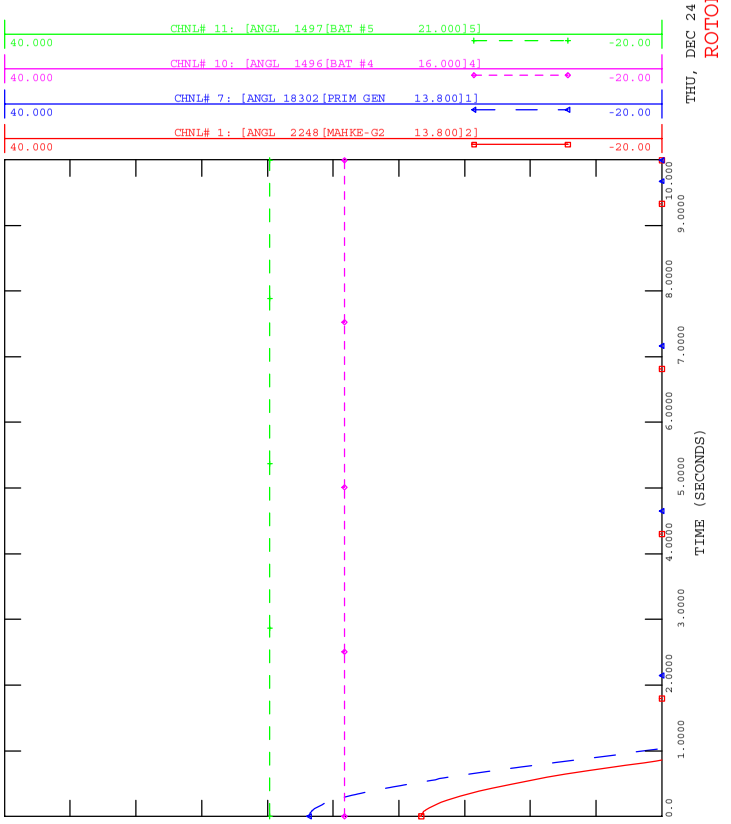


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

ROTOR ANGLES

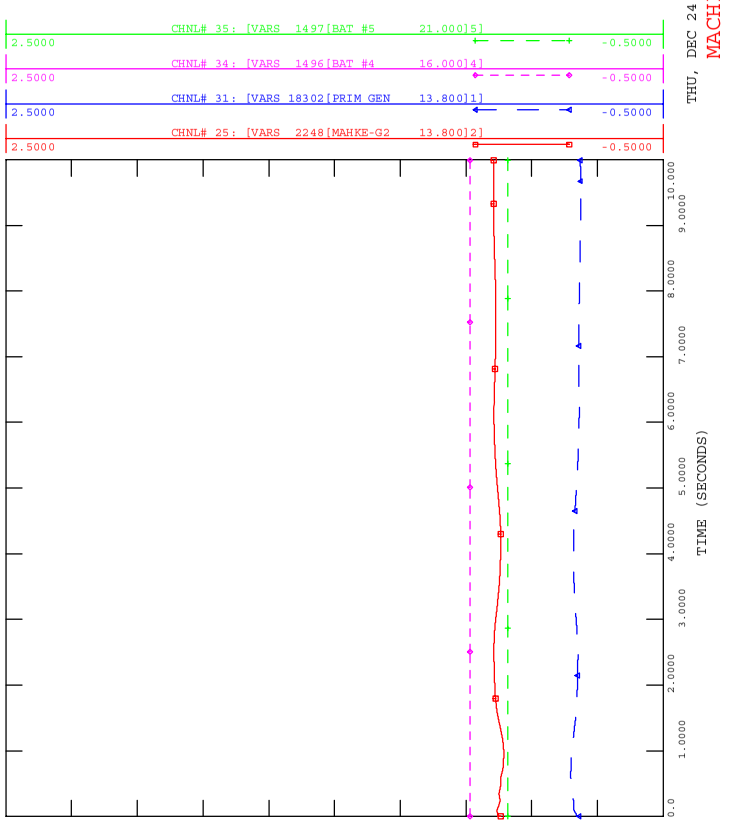


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

MACHINE VARS

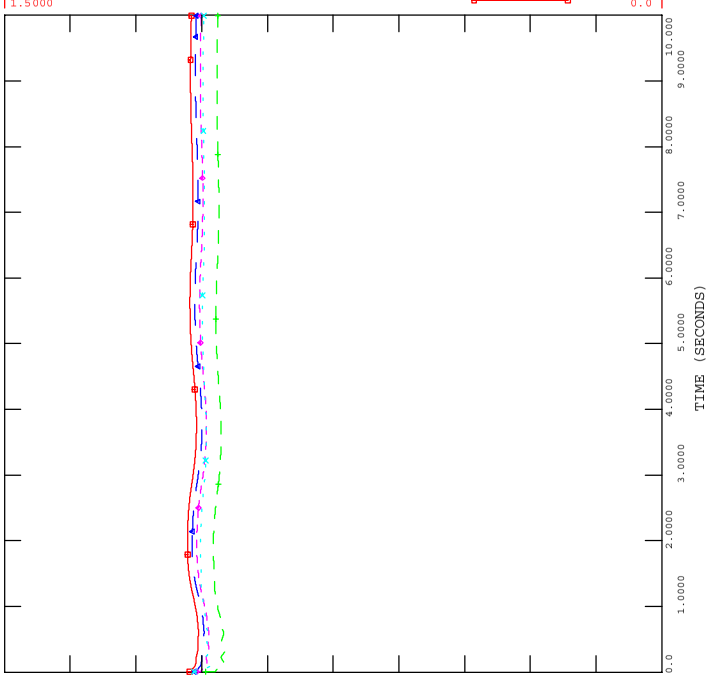


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

NORTH BUS VOLTAGES

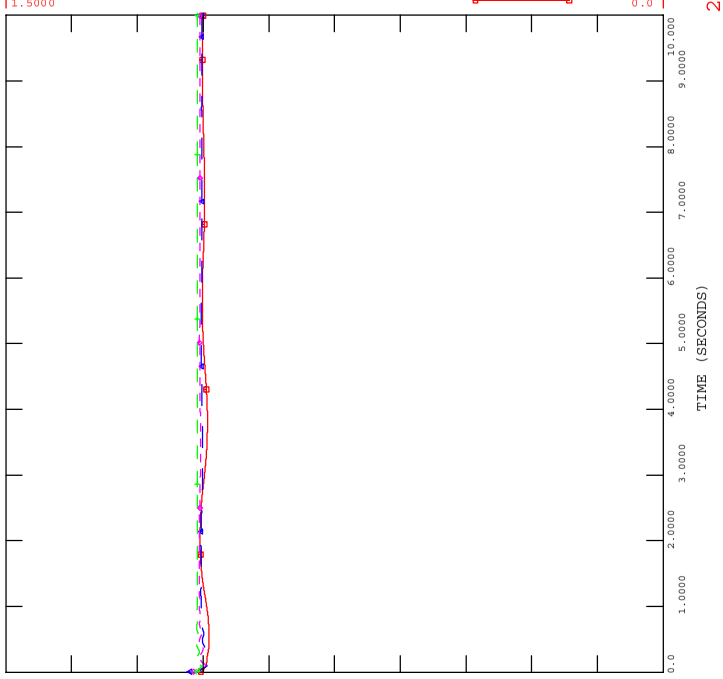


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

240 KV BUS VOLTAGES

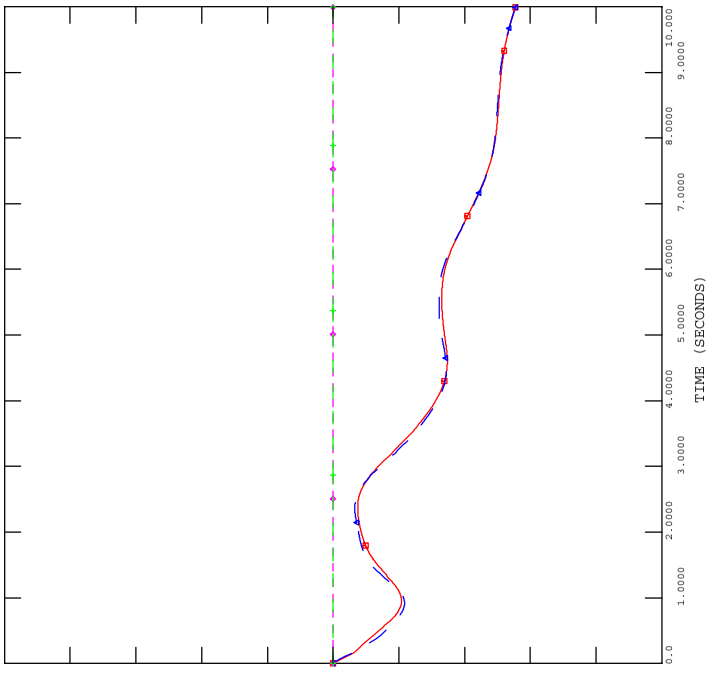


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

MACHINE SPEED

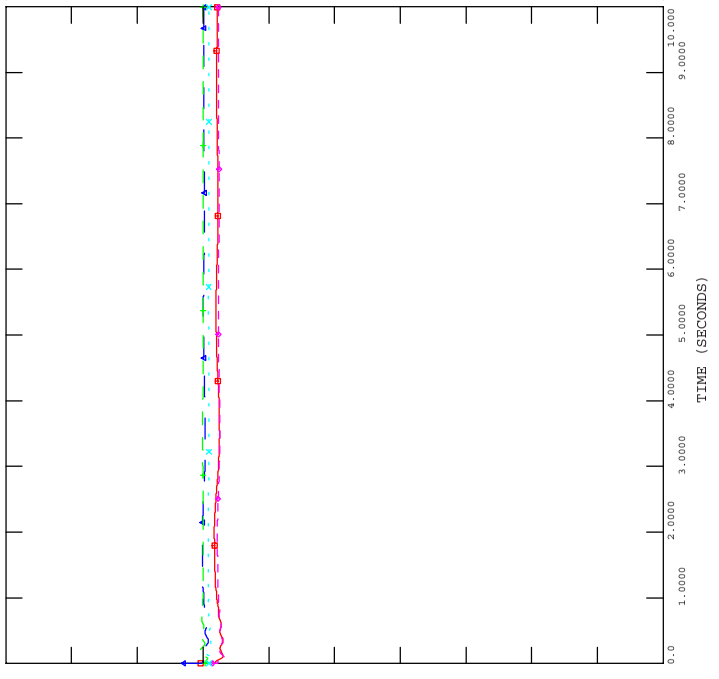


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

SOUTH LINES POWER FLOW

CHNL# 1169: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 885: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1153: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1149: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

SOUTH LINES VAR FLOW

CHNL# 1170: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 886: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1154: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1150: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

NORTH LINES POWER FLOW

CHNL# 339: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1129: [7L50 BUFFALO CREEK - BATTLE RIVE]
250.00 -100.0
CHNL# 1107: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 581: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

TIME (SECONDS)
0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

THU, DEC 24 2009 8:14

NORTH LINES VAR FLOW

CHNL# 340: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1130: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1108: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 582: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

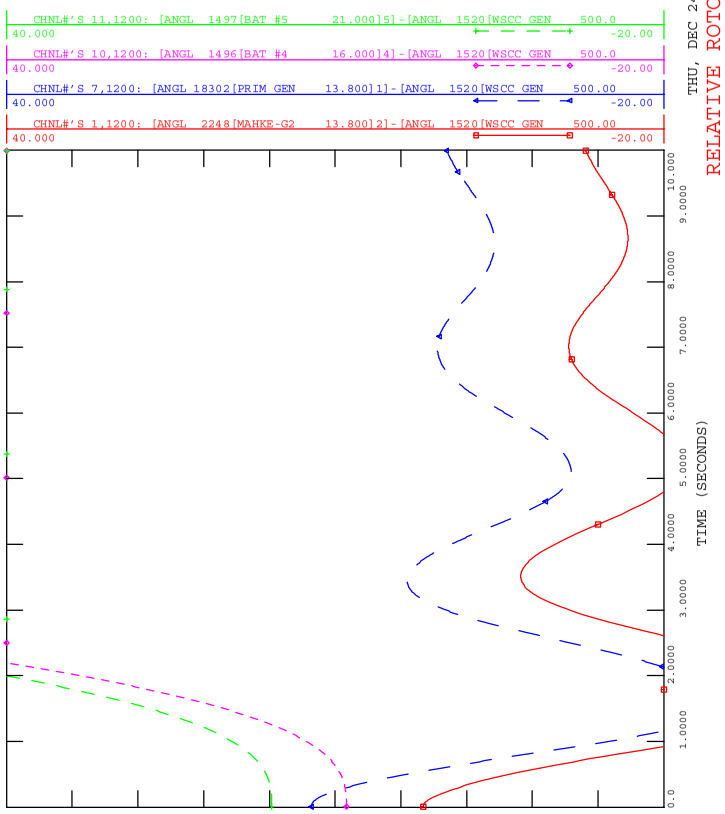
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CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

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RELATIVE ROTOR ANGLES

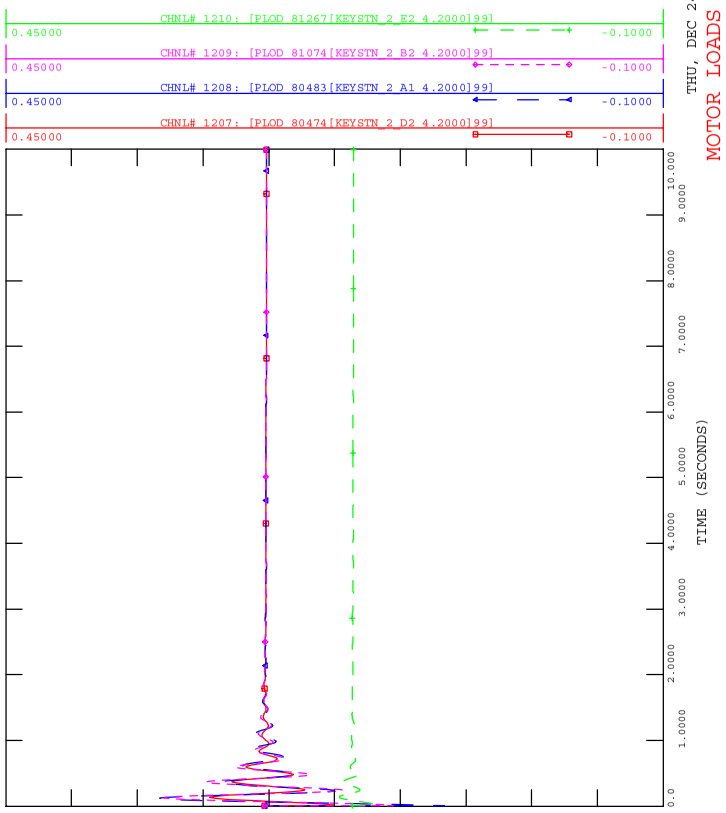


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

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MOTOR LOADS GROUP II

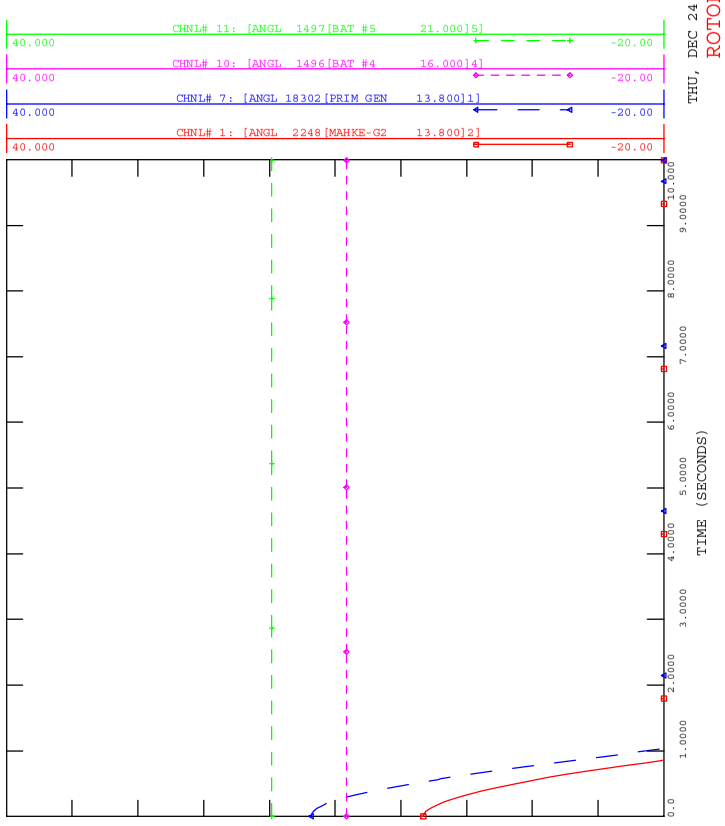


CENTRAL AREA STUDY
2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out

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ROTOR ANGLES

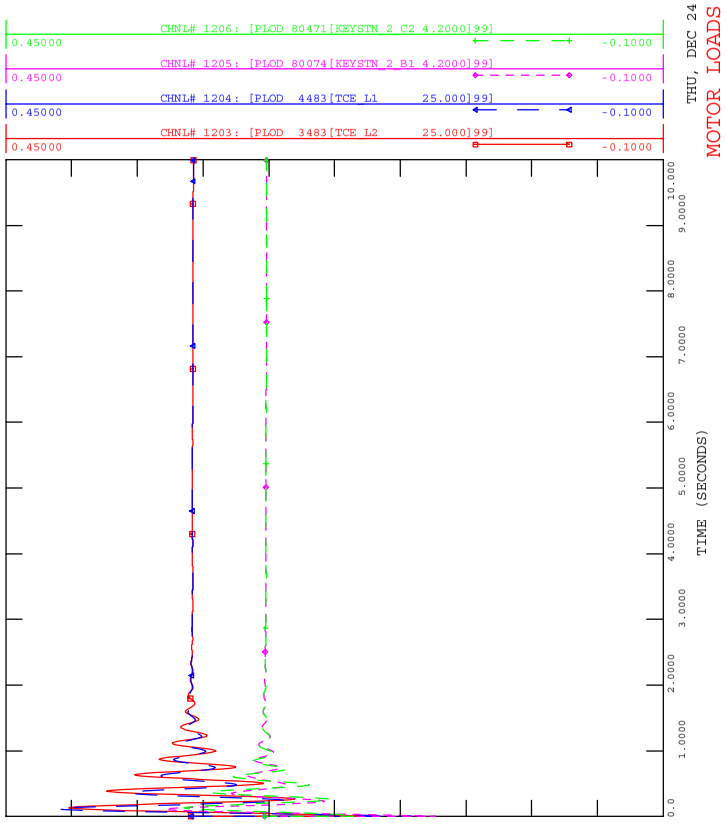


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2017 WINTER PEAK BASE CASE REVISION 7.2

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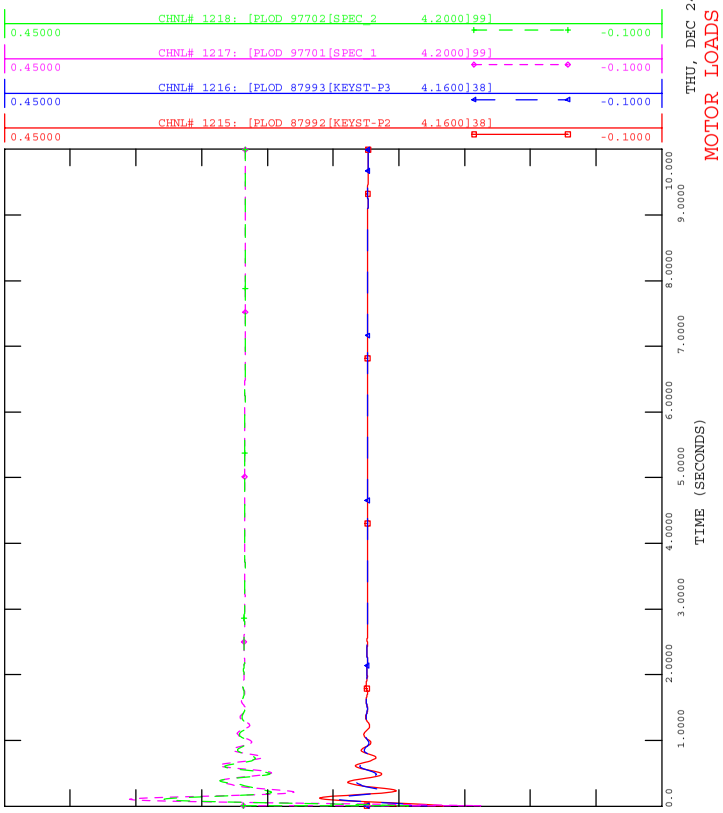
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MOTOR LOADS GROUP I



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FILE: D10-2Trip.out

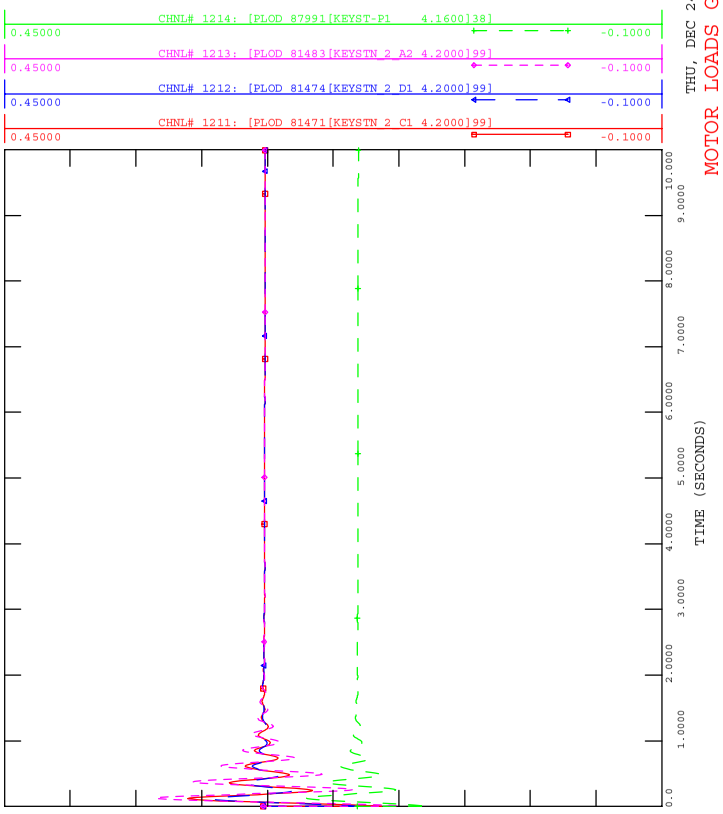


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MOTOR LOADS GROUP IV

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2017 WINTER PEAK BASE CASE REVISION 7.2

FILE: D10-2Trip.out



THU, DEC 24 2009 8:14

MOTOR LOADS GROUP III

Dynamic Stability Plots

2017 Summer Light

Summary of Results

Table - 1 2017 Summer Light Load Category B Contingencies

Case ID	Description	Observation
	Category B Faults	
B1	Marguerite Lake -- New Mahihkan 144 kV line 3Ø fau 6 cycles: trip CB at Marguerite Lake 8 cycles: trip CB at New Mahihkan	System stable Good voltage recovery No load shedding
B2	New Mahihkan -- Bonnyville 144 kV line 3Ø fault 6 cycles: trip CB at New Mahihkan 8 cycles: trip CB at Bonnyville	System stable Good voltage recovery No load shedding
B3	Irish Creek -- Vermilion 144 kV line 3Ø fault 6 cycles: trip CB at Irish Creek 8 cycles: trip CB at Vermilion	System stable Good voltage recovery No load shedding
B4	Vermilion -- Buffalo Creek 144 kV line 3Ø fault 6 cycles: trip CB at Vermilion 8 cycles: trip CB at Buffalo Creek	System stable[1] Good voltage recovery No load shedding
B5	Buffalo Creek -- Battle River 7L50 144 kV line 3Ø fau 6 cycles: trip CB at Buffalo Creek 8 cycles: trip CB Battle River	System stable Good voltage recovery No load shedding
B6	Cordel -- Nilrem 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nilrem	System stable with UVLS scheme[2] Good voltage recovery Four Motors in Wainwright area Trip[3]
B7	Nevis -- Cordel 240 kV line 3Ø fault 5 cycles: trip CB at Nevis 6 cycles: trip CB at Cordel	System stable[1] Good voltage recovery No load shedding
B8	Hansman -- Pemukan 240 kV line 3Ø fault 5 cycles: trip CB at Hansman 6 cycles: trip CB at Pemukan	System stable Good voltage recovery No load shedding
B9	Cordel -- Nevis 240 kV line 9L20 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Nevis	System stable Good voltage recovery No load shedding
B10	Cordel -- Paint Earth 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Paint Earth	System stable Good voltage recovery No load shedding
B11	Cordel -- Halkirk 240 kV line 3Ø fault 5 cycles: trip CB at Cordel 6 cycles: trip CB at Halkirk	System stable Good voltage recovery No load shedding

[1] Slight change in rotor angles but stable as demonstrated by machine speed, Machine power and comparison of absolute and relative machine rotor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] Rotor angle increase indicates non-oscillatory instability but system is stable as illustrated by behavior of machine power, machine speed with time and comparison of absolute and relative machine rotor angles.

[3] Four motor loads at Tucuman + Nilrem trip under UVLS scheme. UVLS requires instantaneous (3 cycle) trip of motor loads at Tucuman & Nilrem.

Table - 2 2017 Summer Light Load Category C3 Contingencies

Case ID	Description	Observation
	C3 N-1-1 Faults	
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-1	Lloydminster -- Edgerton 144 kV line 3Ø fault	System stable
	6 cycles: trip CB at Lloydminster	Good voltage recovery
	8 cycles: trip CB at Edgerton	No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-2	Battle River -- Buffalo Creek 144 kV 3Ø fault	System stable
	6 cycles: trip CB at Battle River	Good voltage recovery
	8 cycles: trip CB at Buffalo Creek	No load shedding
	Loss of 7L53 Bonnyville to Irish Creek AND	
C3-3	Vermilion -- Kitscoty 144 kV 3Ø fault	System stable
	6 cycles: trip CB at Vermilion	Good voltage recovery
	8 cycles: trip CB at Kitscoty	No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-4	Lloydminster -- Edgerton 144 kV line 3Ø fault	System stable[1]
	6 cycles: trip CB at Lloydminster	Good voltage recovery
	8 cycles: trip CB at Edgerton	No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-5	New Mahihkan -- Bonnyville 144 kV line 3Ø f	System stable
	6 cycles: trip CB at New Mahihkan	Good voltage recovery
	8 cycles: trip CB at Bonnyville	No load shedding
	Loss of 7L50 Battle River to Buffalo Creek AND	
C3-6	Vermilion -- Vegreville 144 kV line 3Ø fault	System stable
	6 cycles: trip CB at Vermilion	Good voltage recovery
	8 cycles: trip CB at Vegreville	No load shedding
	Loss of 701T Battle River AND	
C3-7	Heisler -- Battle River 6L05 144 kV line 3Ø fa	System stable
	6 cycles: trip CB at Heisler	Good voltage recovery
	8 cycles: trip CB at Heisler	No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-8	Jarrow -- Wainwright 138 kV line 3Ø fault	System stable
	6 cycles: trip CB at Jarrow	Good voltage recovery
	8 cycles: trip CB at Wainwright	No load shedding
	Loss of 749L Metiskow to Kilarney Lake AND	
C3-9	Wainwright -- Nilrem 138 kV line 3Ø fault	System stable
	6 cycles: trip CB at Wainwright	Good voltage recovery
	8 cycles: trip CB at Nilrem	No load shedding

[1] Slight change in rotor angles but stable as demonstrated by machine speed.
Machine power and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 2 2017 Summer Light Load Category C3 Contingencies
(Continued)

Case ID	Description	Observation
	Loss of 749L Metiskow to Hardisty AND	
C3-10	Hardisty -- Nilrem 138 kV line 3Ø fault 6 cycles: trip CB at Hardisty 8 cycles: trip CB at Nilrem	System stable with UVLS scheme[1] Good voltage recovery Five motor loads in Wainwright area trip[2]
	Loss of 9L26 Cordel to PaintEarth AND	
C3-11	Anderson -- Halkirk 240 kV line 9L59 3Ø fault 5 cycles: trip CB at Anderson 6 cycles: trip CB at Halkirk	System stable with UVLS scheme[1] Good voltage recovery One motor load in Empress area trips[3]
	Loss Hansman Pemukan AND	
C3-12	PaintEarth -- Hansman 240 kV line 9L59 3Ø fa 5 cycles: trip CB at PaintEarth 6 cycles: trip CB at Hansman	System stable with UVLS scheme[1] Good voltage recovery Five motor loads in Wainwright area trip[2]

[1] Rotor angle increase indicates non-oscillatory instability but system is stable as illustrated by behavior of machine power, machine speed with time and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[2] Five motor loads at Tucuman trip under UVLS scheme. UVLS requires instantaneous (3 cycle) trip of motor loads at Tucuman & Nilrem.

[3] One motor load at Dome trip under UVLS scheme.

Table - 3 2017 Summer Peak Load Category C5 Contingencies

Case ID	Description	Observation
	Category C5 Faults	
C5-1	Double SLG fault at Cordel on Cordel to Battle River double circuit circuit line 5 cycles: trip 2 circuit breakers at Cordel 6 cycles: trip at Battle River	System stable[1,2] Good voltage recovery No load shedding
C5-2	Double SLG at Whitefish on Whitefish -- Marguerite Lake double circuit line 5 cycles: trip at Whitefish 6 cycles: trip at Marquerite Lake	System stable Good voltage recovery No load shedding
C5-3	Double SLG at Nilrem on double circuit line into Nilrem 5 cycles: trip at Nilrem 6 cycles: trip at Cordel and Hansman Lake	System stable Good voltage recovery No load shedding
C5-4	Double SLG at Cordel on double circuit line 5 cycles: trip at Cordel 6 cycles: trip at Paint Earth and Halkirk	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles. System is stable as shown by machine power, machine speed and relative motor angles. (The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

Table - 4 2017 Summer Peak Load Category C7 Contingencies

Case ID	Description	Observation
	Category C7 Faults	
	Vermilion Substation	
C7-1	SLG fault on 7L53, stuck breaker 701 6 cycles: trip CB at Irish Creek 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-2	SLG fault on 7L14, stuck breaker702 6 cycles: trip CB at Kitscoty 18 cycles: trip 144 kV bus at Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion Substation	
C7-3	SLG fault on 7L65, stuck breaker 703 6 cycles: trip CB at Vegreville 18 cycles: trip 144 kV bus at Vermillion Sub	System stable[1] Good voltage recovery No load shedding
	Vermilion	
C7-4	SLG fault on 7L50, stuck breaker 704 6 cycles: trip CB at Battle Creek 18 cycles: trip 144 kV bus Vermilion Sub	System stable[1] Good voltage recovery No load shedding
	Whitefish	
C7-5	Whitefish -- Marguerite Lake SLG fault on 9L37, stuck breaker 903 6 cycles: trip CB at Whitefish 18 cycles: trip CB 907 at Marguerite Lake	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-6	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 901 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L79 from Cordel to Battle River trip bkr on 9L20 from Nevis to Cordel at Cordel	System stable[2, 3] Good voltage recovery No load shedding

[1] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.

[2] Line to Battle River #5 lost so Battle River separates from system.

[3] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point,
while the relative rotor angle shows that the system as a whole is stable)

Table - 4 2017 Summer Peak Load Category C7 Contingencies

(Continued)

Case ID	Description	Observation
	Category C7 Faults	
	Cordel Substation	
C7-7	SLG fault on 9L79 from Cordel to Battle River. Stuck brk 902 6 cycles: trip bkr on 9L79 from Cordel to Battle River at Battle River 18 cycles trip 9L927 from Cordel to PaintEarth trip bkr on 9L79 from Cordel to Battle River at Cordel	System stable[1,2] Good voltage recovery No load shedding
	Cordel Substation	
C7-8	SLG fault on 9L80 from Cordel to Battle River. Stuck brk 903 6 cycles: trip bkr on 9L80 from Cordel to Battle River at Battle River 18 cycles: trip 9L927 from Cordel to PaintEarth trip bkr on 9L80 from Cordel to Battle River at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-9	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 904 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L80 from cordel to Battle River trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-10	SLG fault on 9L59 from Cordel to Halkirk. Stuck brk 905 6 cycles: trip bkr on 9L59 from Cordel to Halkirk at Halkirk 18 cycles: trip 9L953 from Cordel to Nilrem. Hansman on SLG trip bkr on 9L59 from Cordel to Anderson at Cordel	System stable Good voltage recovery No load shedding
	Cordel Substation	
C7-11	SLG fault on 9L20 from Cordel to Nevis. Stuck brk 906 6 cycles: trip bkr on 9L20 from Nevis to Cordel at Nevis 18 cycles: trip 9L953 from Cordel to Nilrem. trip bkr on 9L20 from Nevis to Cordel at Cordel.	System stable[3] Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-12	SLG Nilrem-Hansman near Hansman, stuck breaker (New station no breaker #s assigned) 6 cycles: trip @ Nilrem 18 cycles: trip T2 and 1 36 MVAR capbank @ Hansman Lake	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-13	SLG on 948L, stuck breaker 6 cycles: trip PE end of 948L 18 cycles: trip 948L to PE + 954L to Metiskow and Hansman	System stable Good voltage recovery No load shedding
	Hansman Lake Substation	
C7-14	SLG on 953L to Pemukan, stuck breaker 6 cycles: trip line Pemukan end at 953L 18 cycles: trip Pemukan + Nilrem to Hansman @ Hansman	System stable Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles.
System is stable as shown by machine power, machine speed and relative motor angles.

[3] Slight increase in rotor angles but stable as demonstrated by machine speed.
Machine power and comparison of absolute and relative machine rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point,
while the relative rotor angle shows that the system as a whole is stable)

Table - 5 2017 Summer Light Load Category D Contingencies

Case ID	Description	Observation
	Category D Faults	
D7-1	Trip Cordel -- Paint Earth 9L27 Trip Cordel -- Nilrem 9L953 Lines in common ROW "west side"	System stable Good voltage recovery No load shedding
D7-2	Trip Hansman Lake -- Paint Earth 9L948 Trip Hansman Lake -- Nilrem 953L Lines in common ROW "east side"	System stable Good voltage recovery No load shedding
D8-1	Trip 240 kV lines & transformers @ Marguerite Lake Trip bus 1312	System stable Good voltage recovery No load shedding
D8-2	Trip 240 kV lines & transformer @ Hansman Lake Trip bus 649	System stable Good voltage recovery No load shedding
D9-1	Trip 240 kV lines @ Cordel Trip bus 1499	System stable[1,2] Good voltage recovery No load shedding
D10-1	Loss of all units @ Primrose Trip bus 18302 + 18305	System stable[2,3] Good voltage recovery No load shedding
D10-2	Loss of all units @ Battle River Trip bus, 1495, 1496, 1497	System stable[2,4] Good voltage recovery No load shedding

[1] Line to Battle River #5 lost so Battle River separates from system.

[2] Rotor angles of remaining East Central machines show damped relative rotor angles.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)
System is stable as shown by machine power, machine speed and relative motor angles.

[3] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.
Primrose units are lost so Primrose separates from system.
(The absolute rotor angle shows that the whole system is moving to a new operating point, while the relative rotor angle shows that the system as a whole is stable)

[4] Rotor angles increase but stable as shown by machine speed, machine power and relative angles.
All Battle River units (#3,#4,#5) are lost so Battle River machines separate from system.

Dynamic Stability Plots

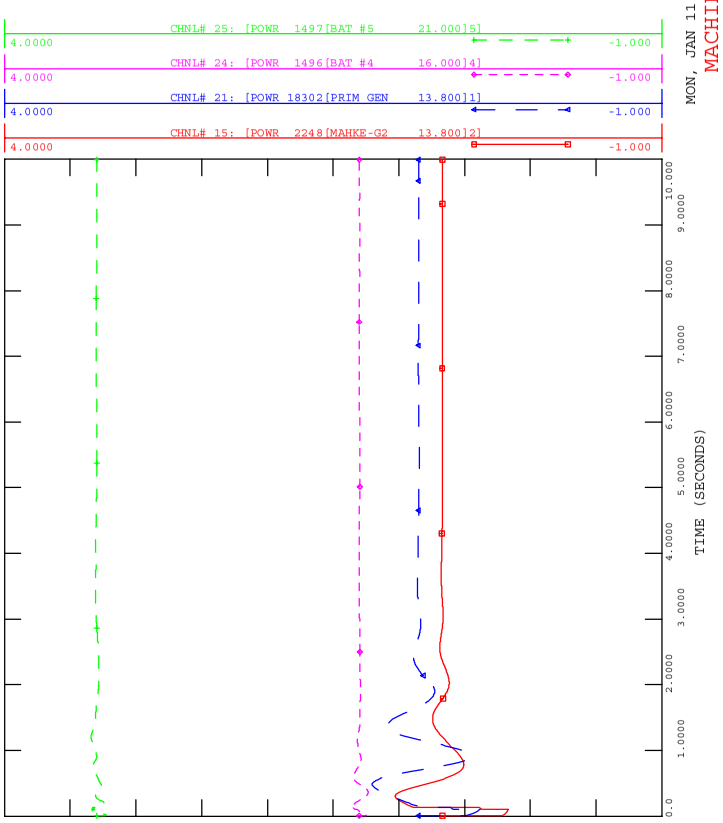
2017 Summer Light
Category B Contingencies

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2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

MACHINE POWER

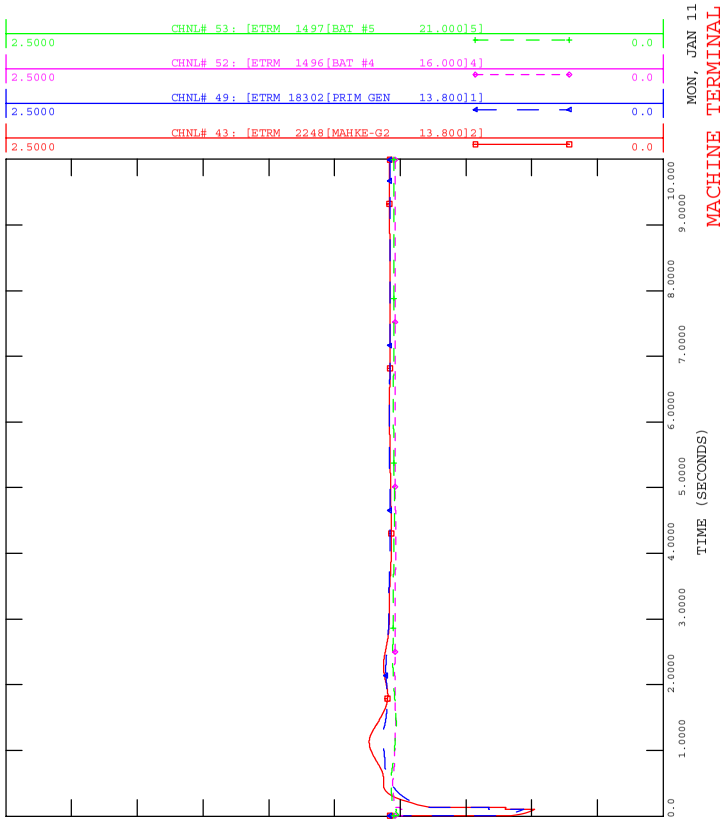


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2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

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MACHINE TERMINAL VOLTAGE

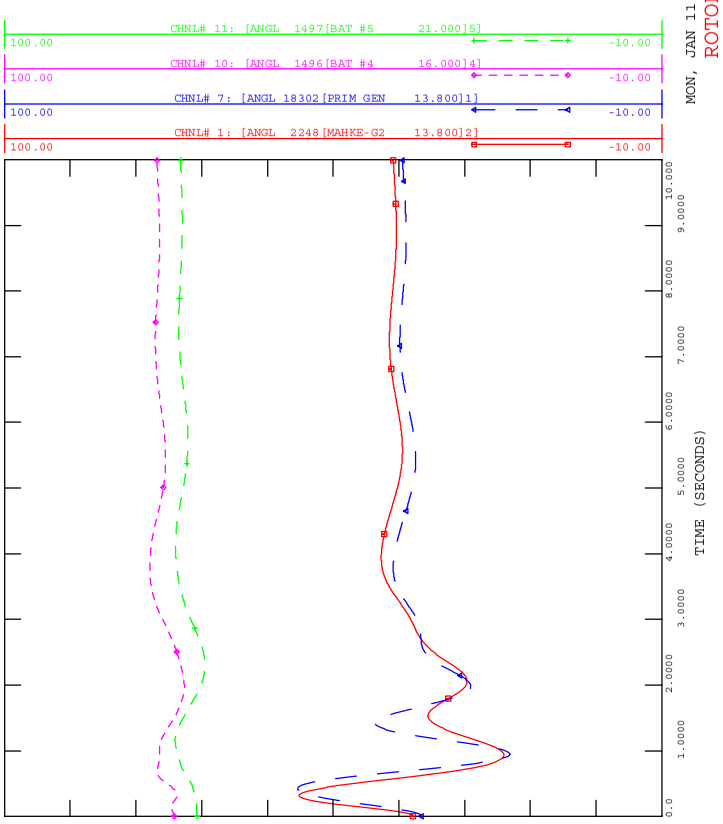


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MON, JAN 11 2010 16:23

ROTOR ANGLES

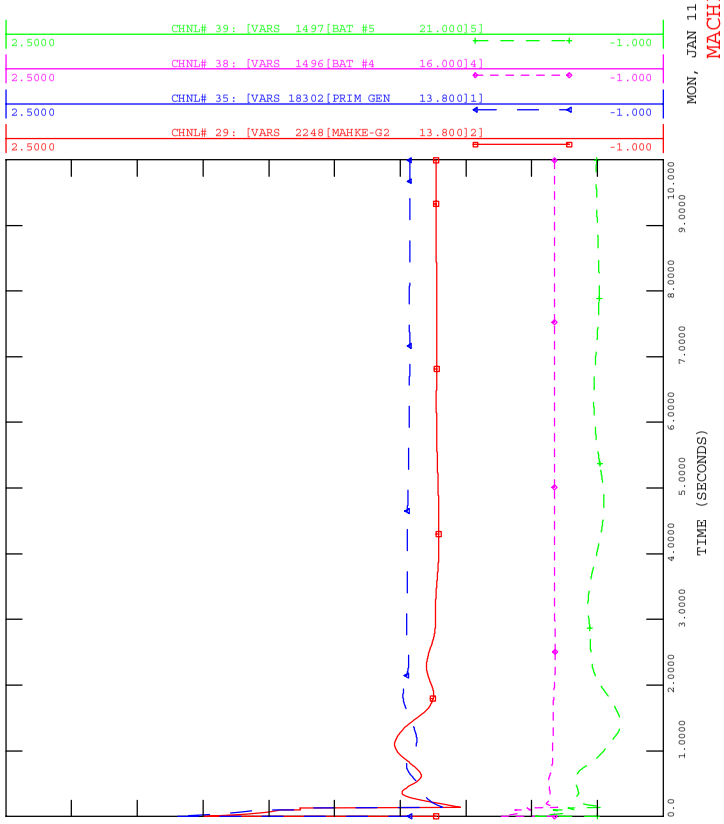


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MACHINE VARS

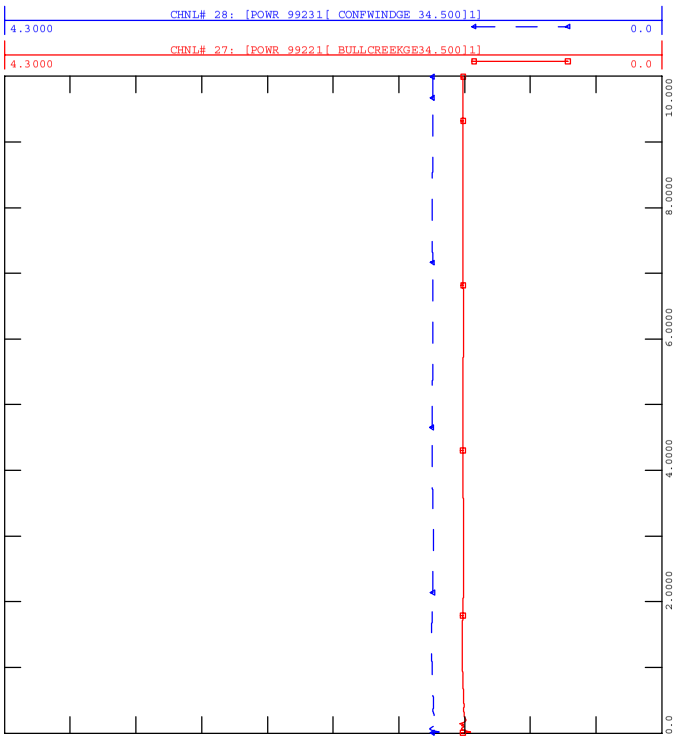


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2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

WIND MACHINE POWER

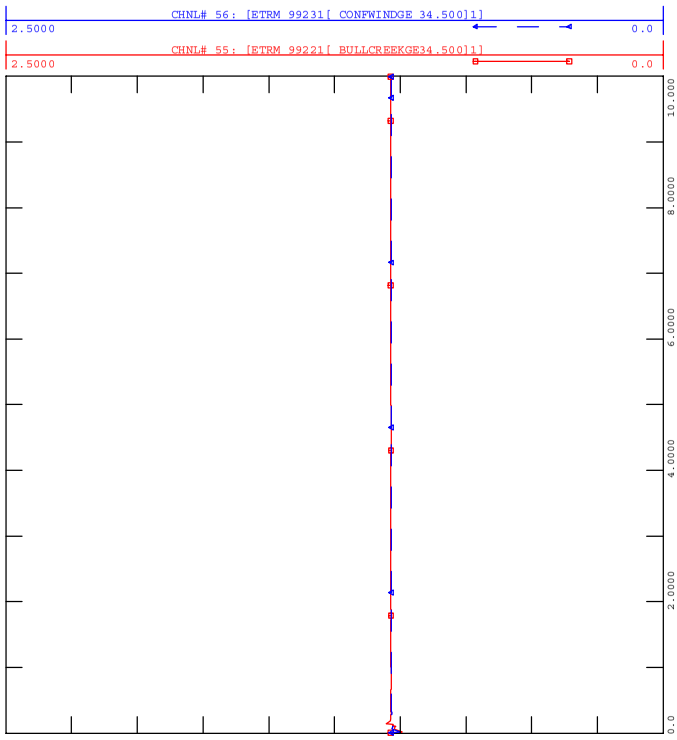


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2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

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WIND MACH. TERMINAL VOLTS

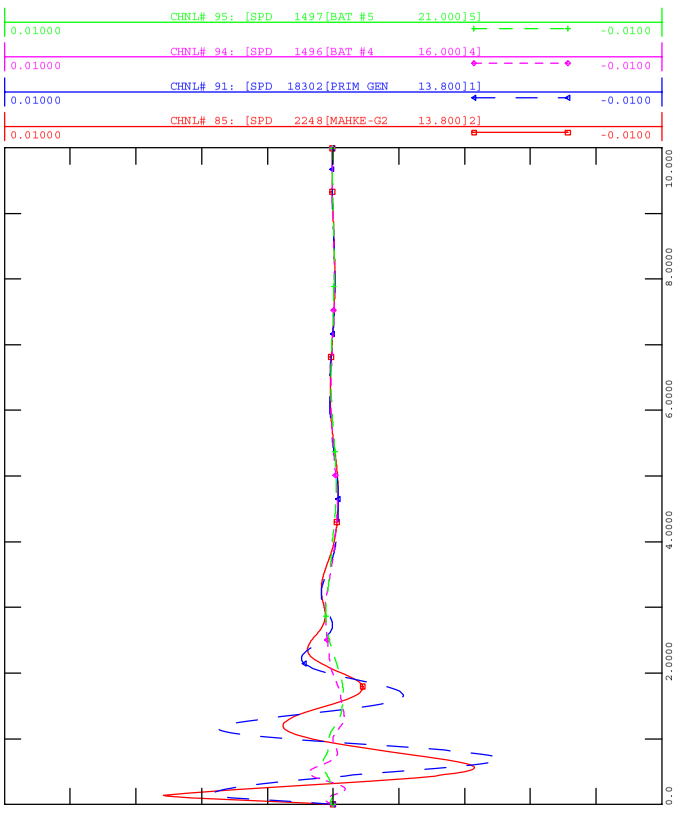


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

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MACHINE SPEED

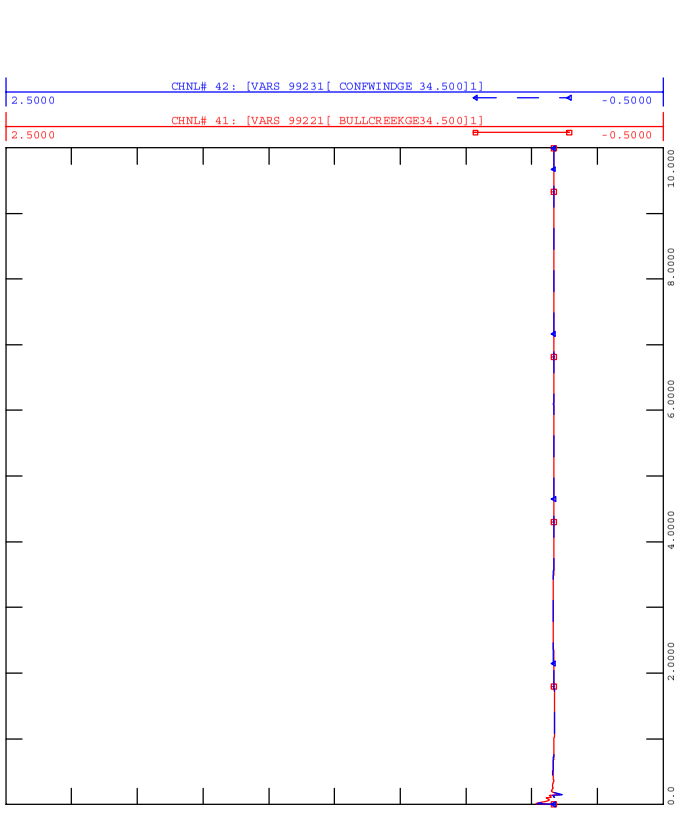


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WIND MACHINE VARS

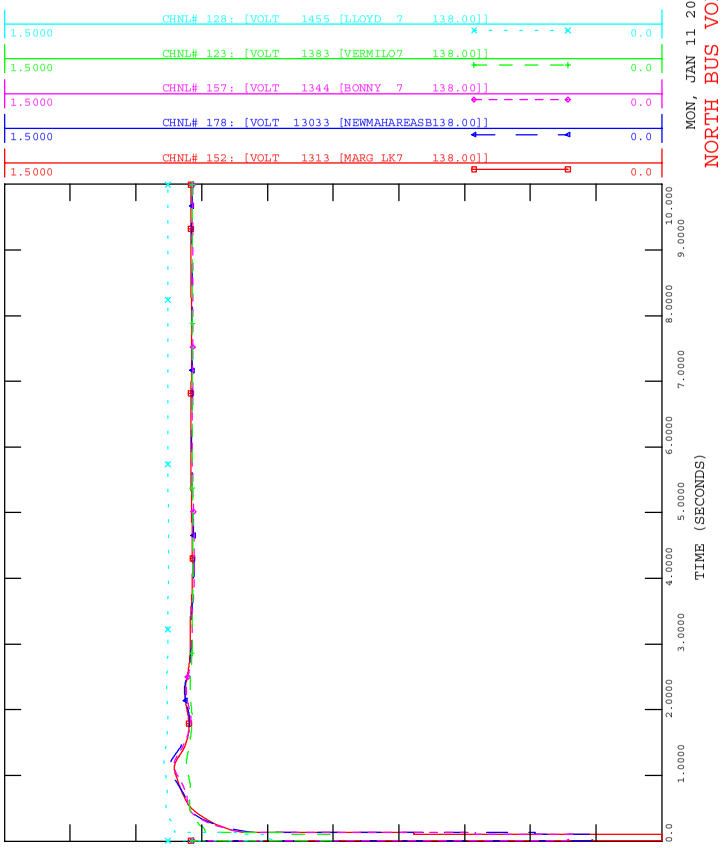


CENTRAL AREA STUDY
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FILE: B1fault.out

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NORTH BUS VOLTAGES

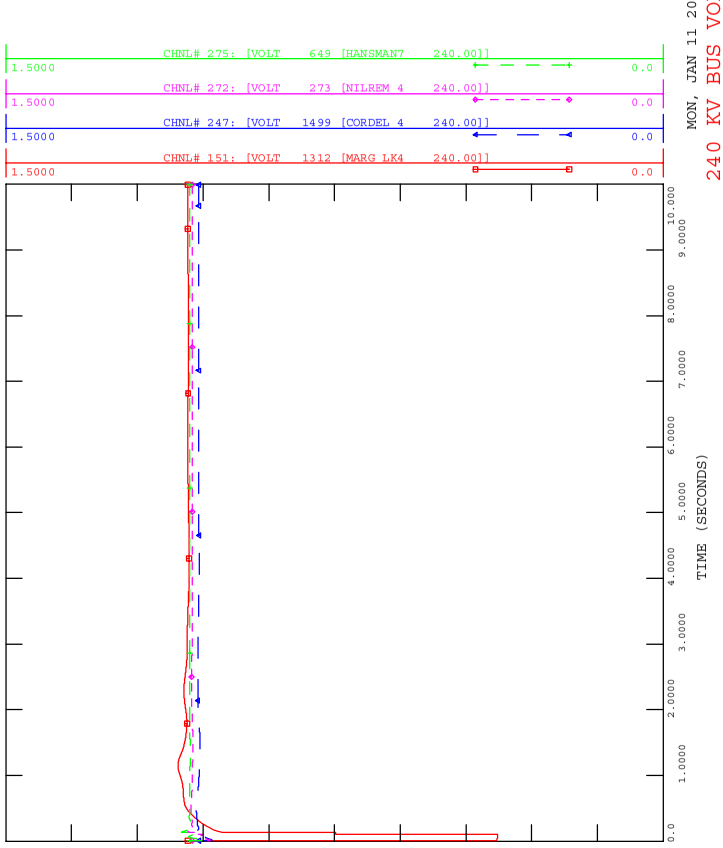


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

240 KV BUS VOLTAGES

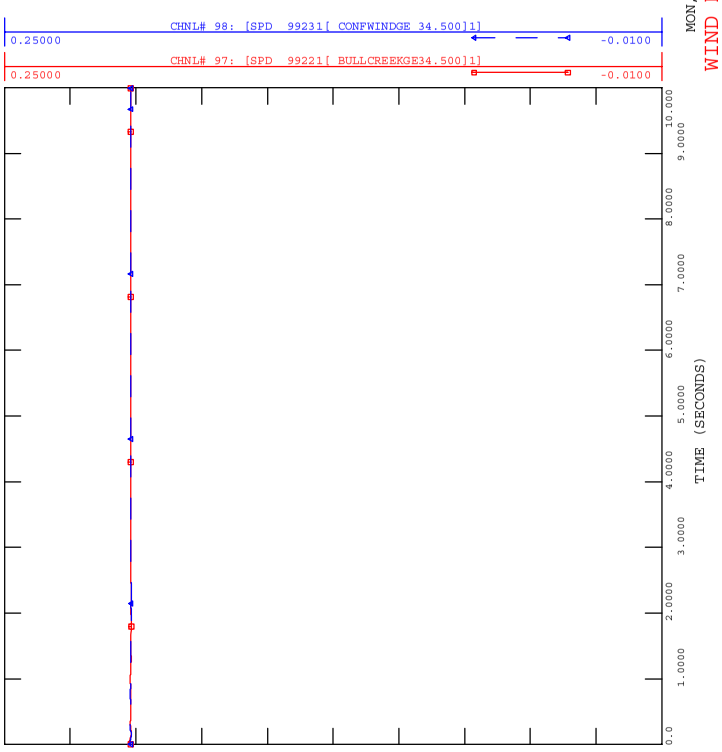


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

WIND MACHINE SPEED

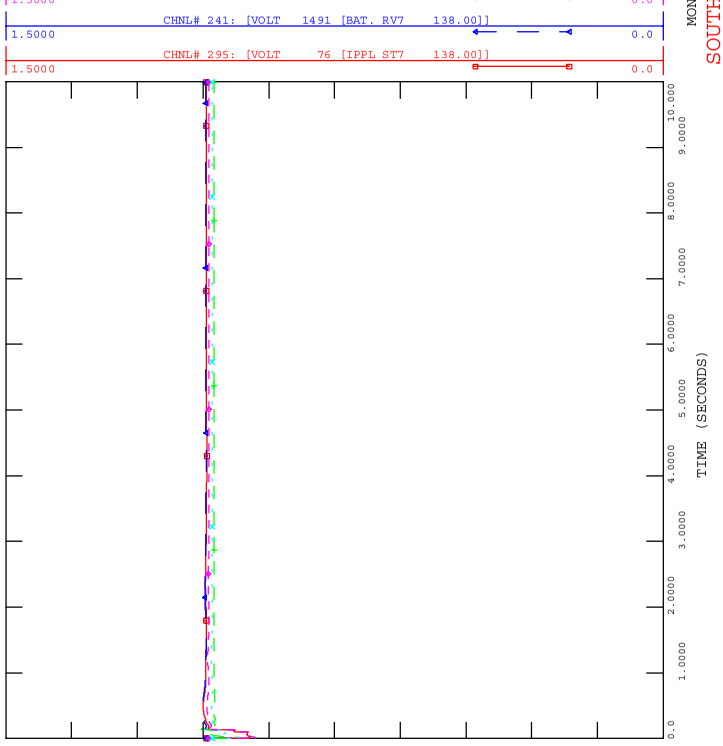


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

SOUTH BUS VOLTAGES

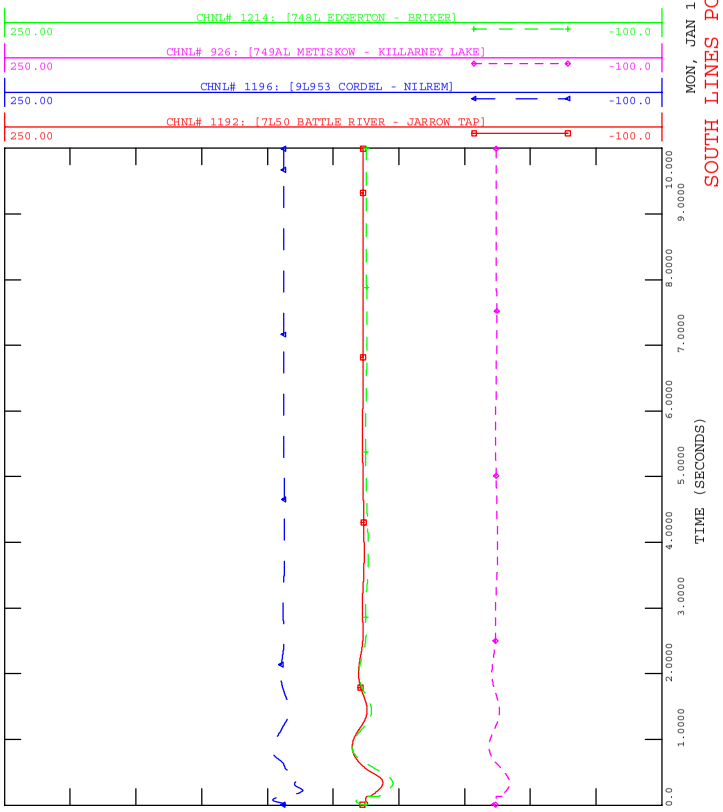


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

SOUTH LINES POWER FLOW

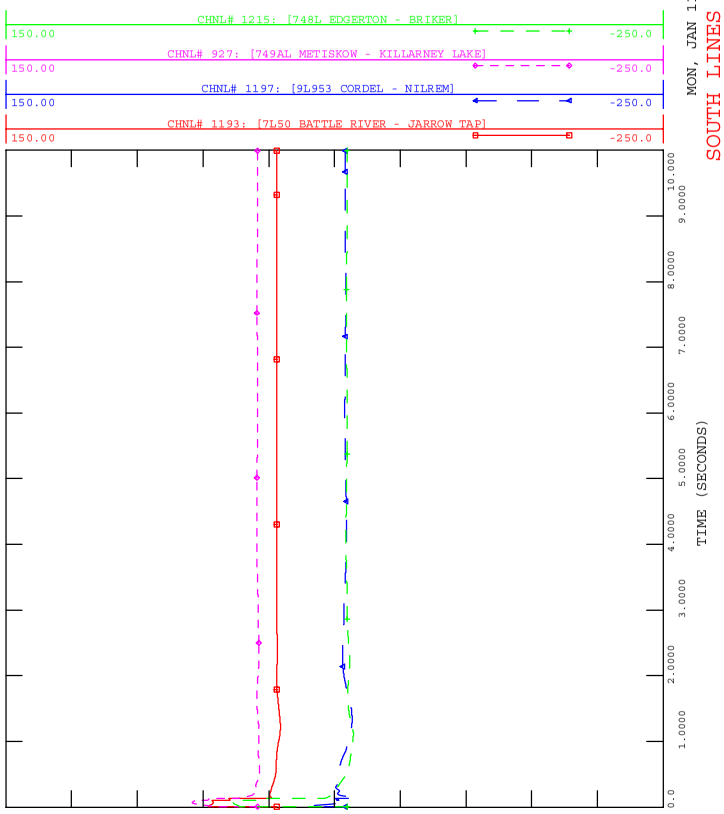


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

SOUTH LINES VAR FLOW

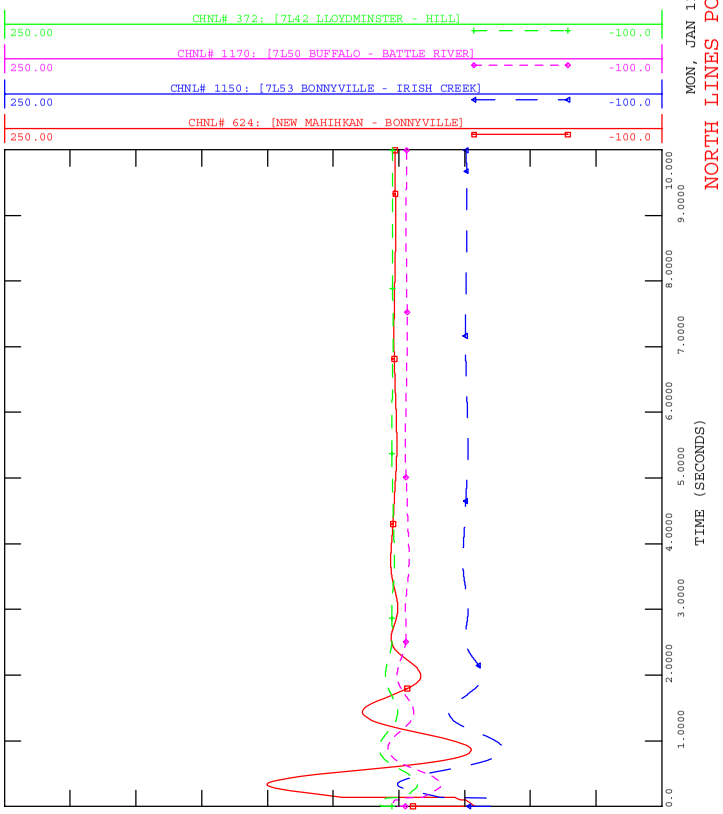


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MON, JAN 11 2010 16:23

NORTH LINES POWER FLOW

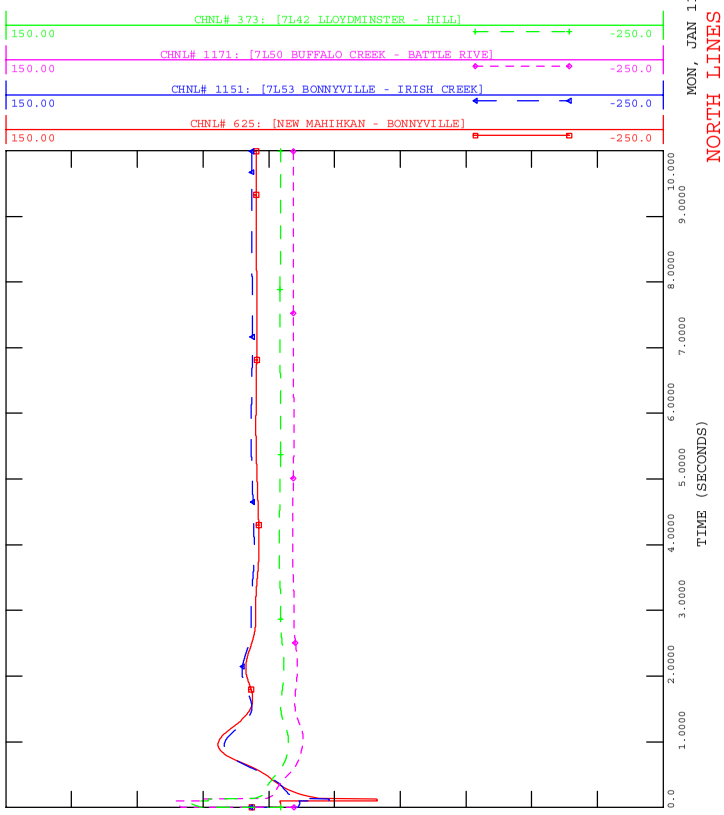


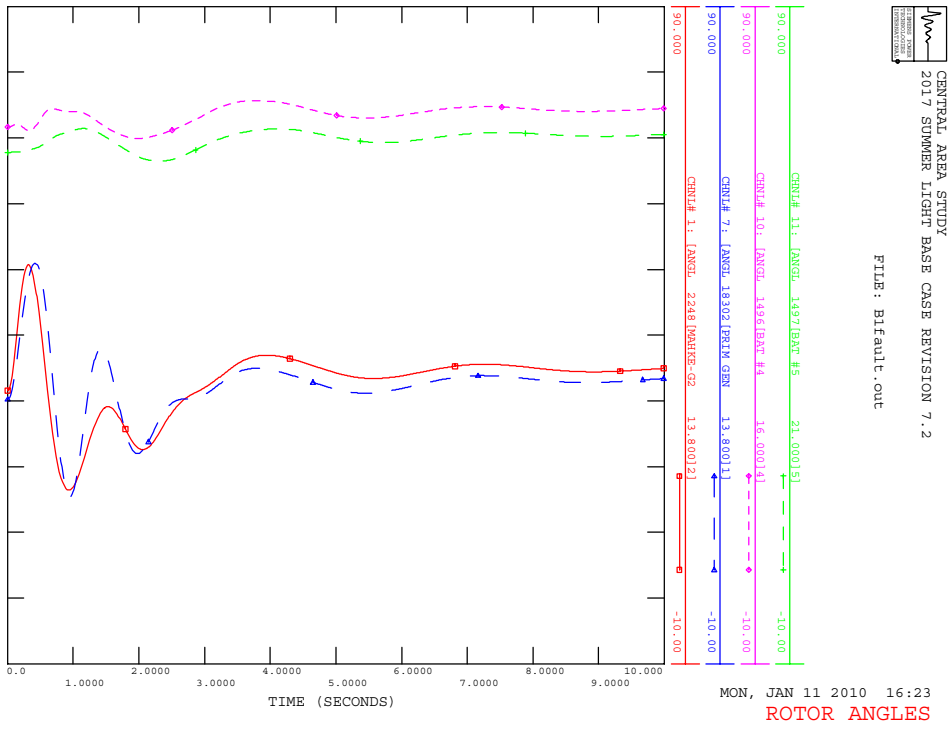
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

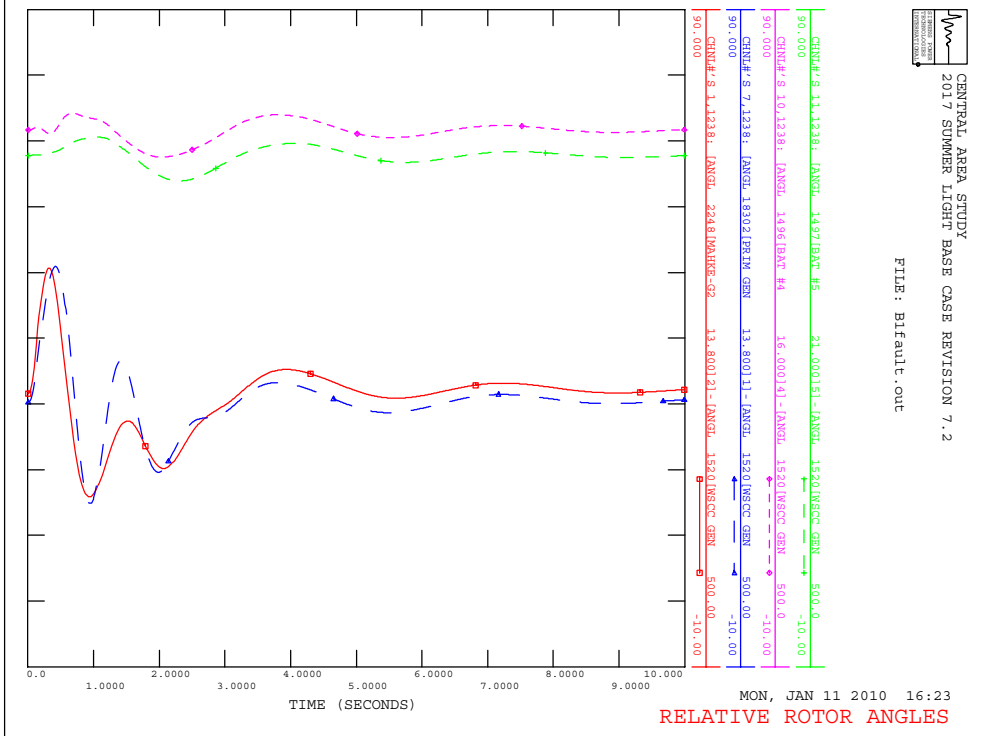
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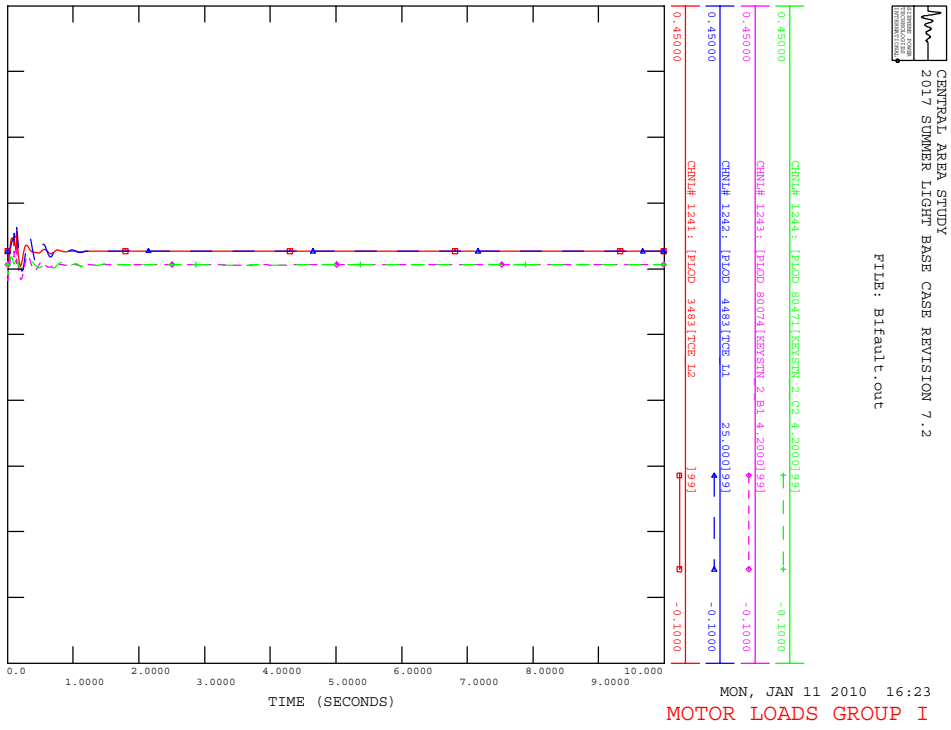
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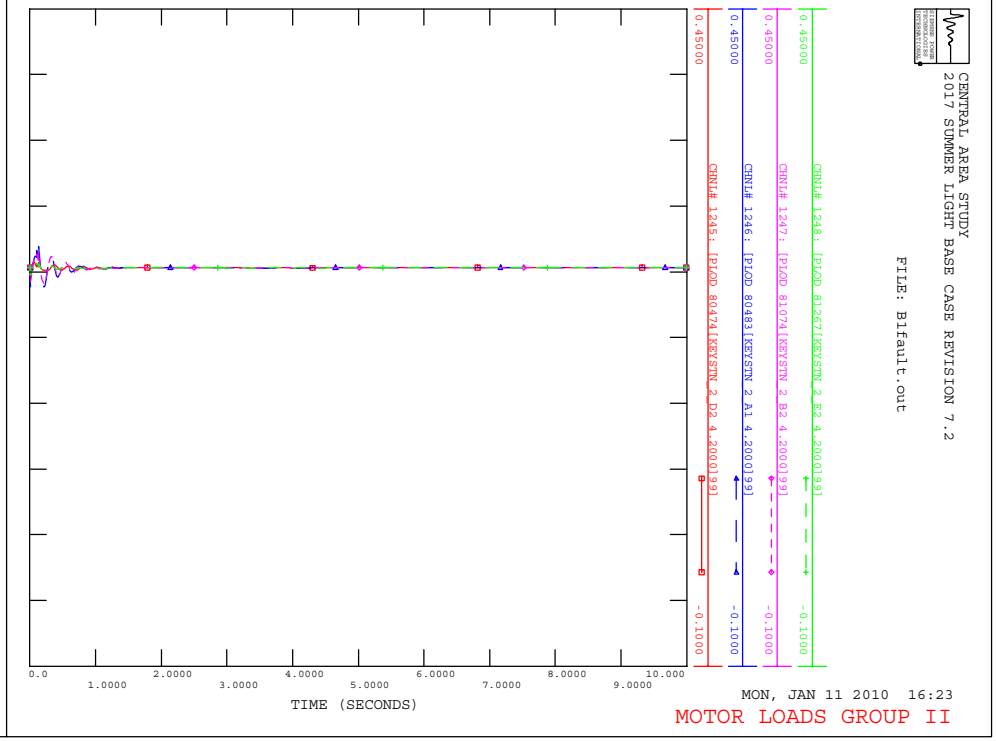
NORTH LINES VAR FLOW




CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2
FILE: Blfault.out
TIME (SECONDS)
MON, JAN 11 2010 16:23
ROTOR ANGLES


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2
FILE: Blfault.out
TIME (SECONDS)
MON, JAN 11 2010 16:23
RELATIVE ROTOR ANGLES


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2
FILE: Blfault.out
TIME (SECONDS)
MON, JAN 11 2010 16:23
MOTOR LOADS GROUP I

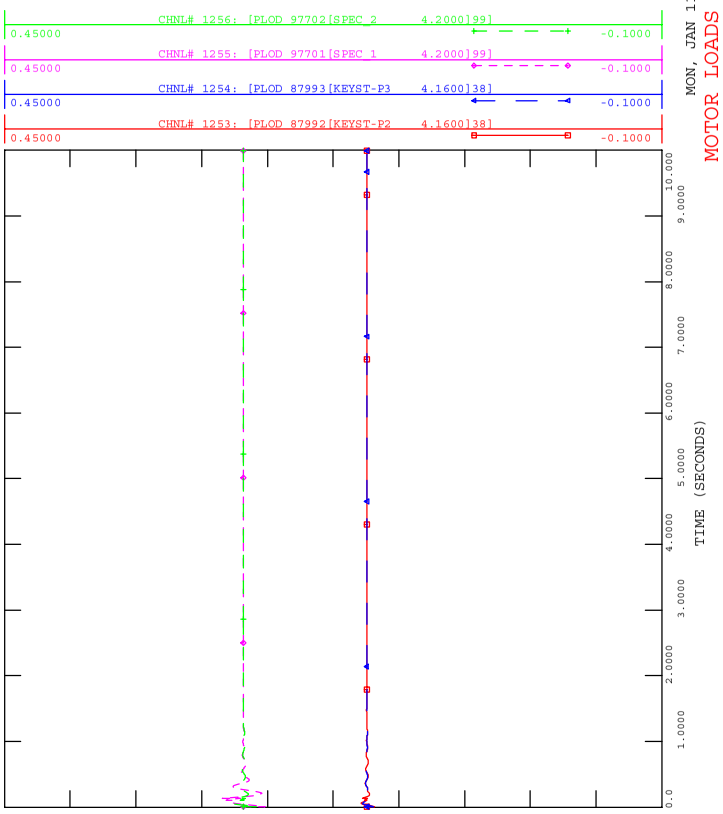

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2
FILE: Blfault.out
TIME (SECONDS)
MON, JAN 11 2010 16:23
MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MOTOR LOADS GROUP IV

MON, JAN 11 2010 16:23

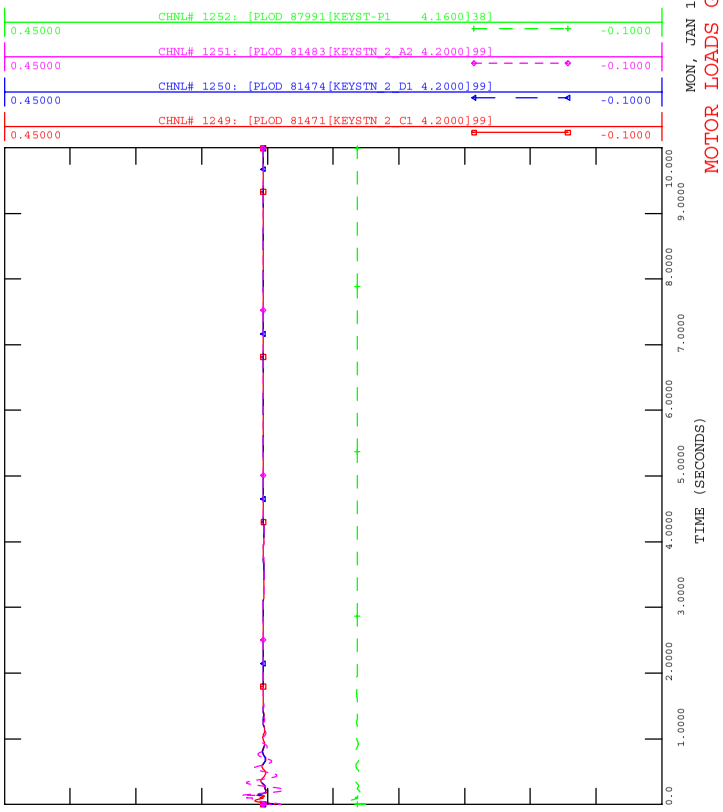


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B1fault.out

MOTOR LOADS GROUP III

MON, JAN 11 2010 16:23

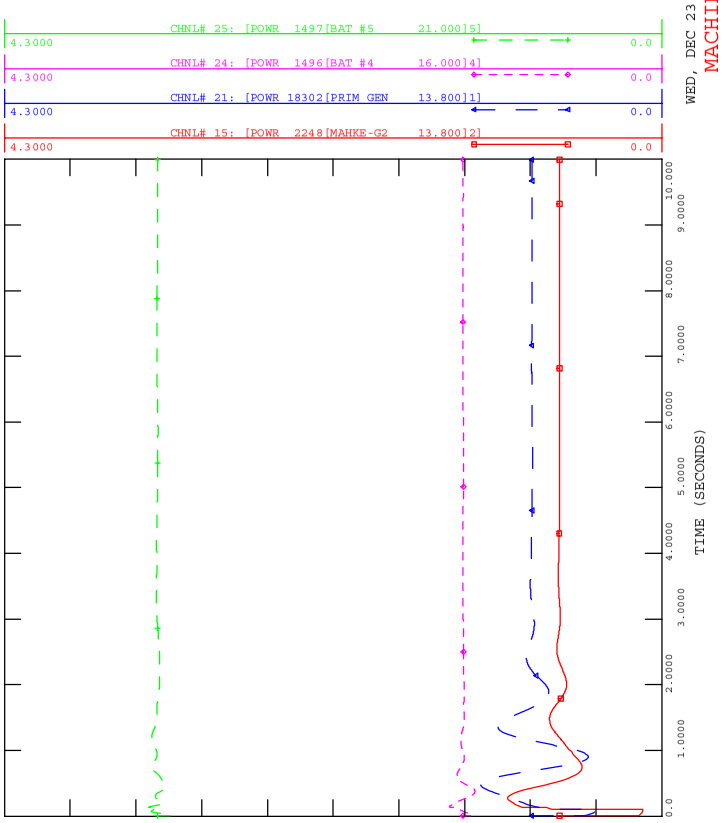


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

MACHINE POWER

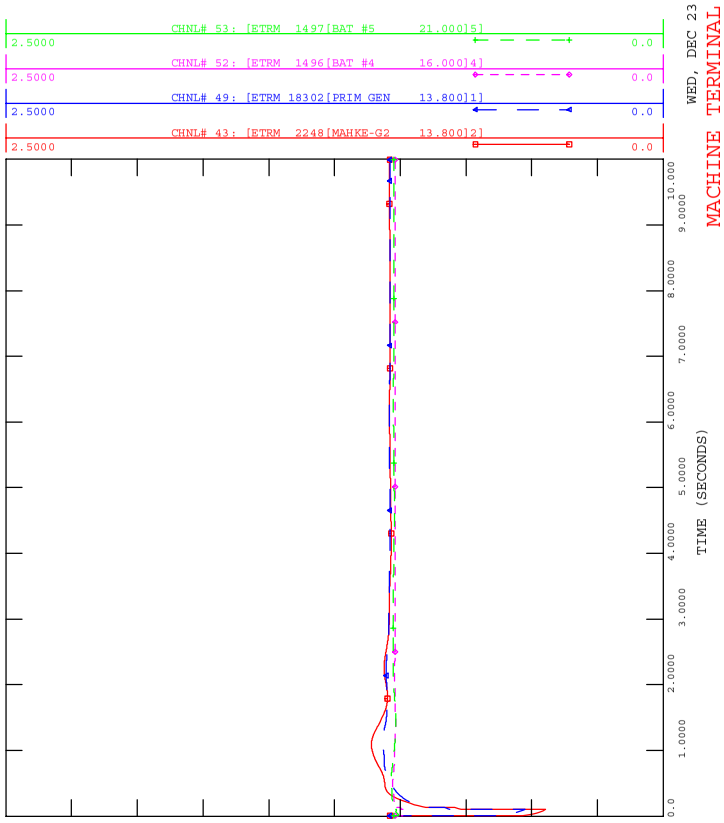


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

MACHINE TERMINAL VOLTAGE

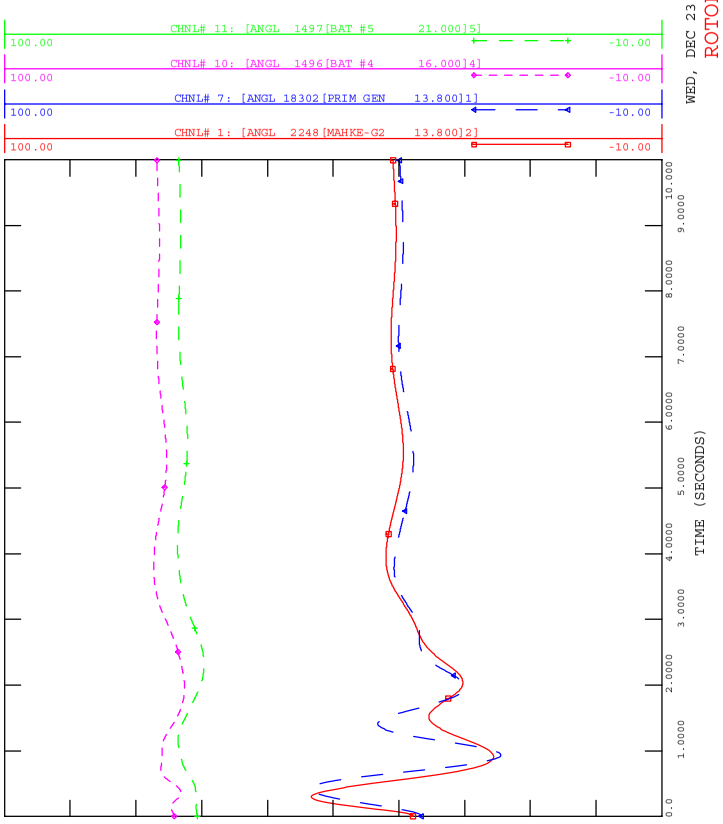


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

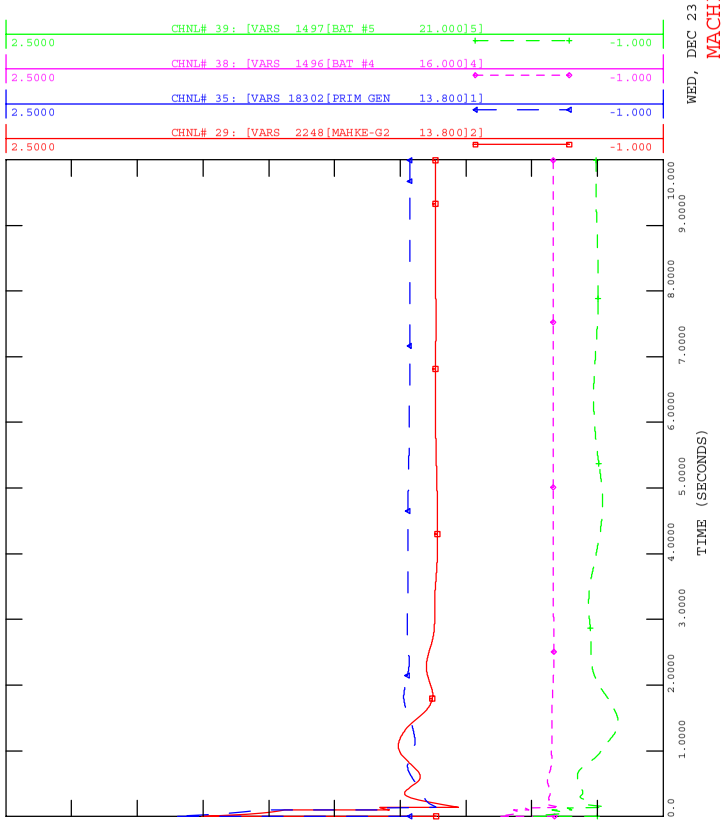


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

MACHINE VARS

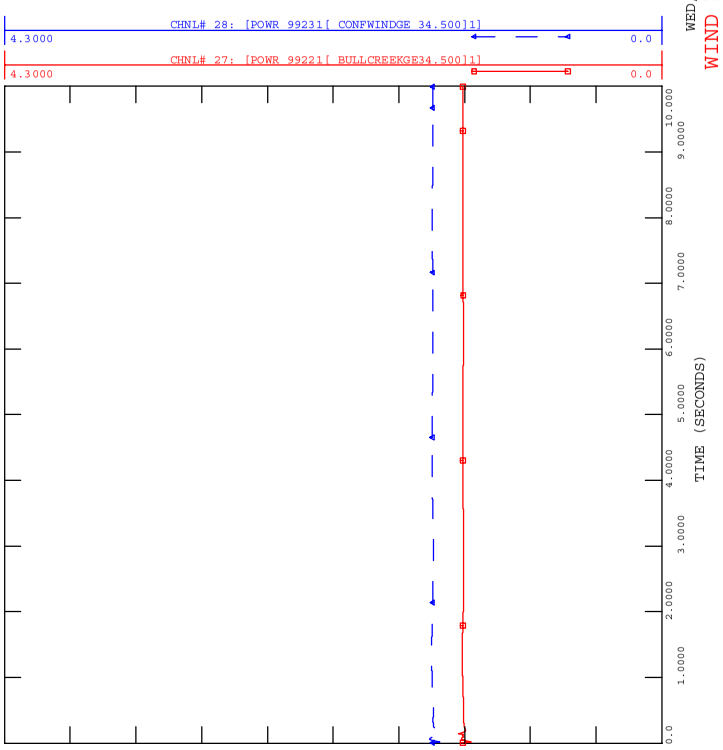


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

WIND MACHINE POWER

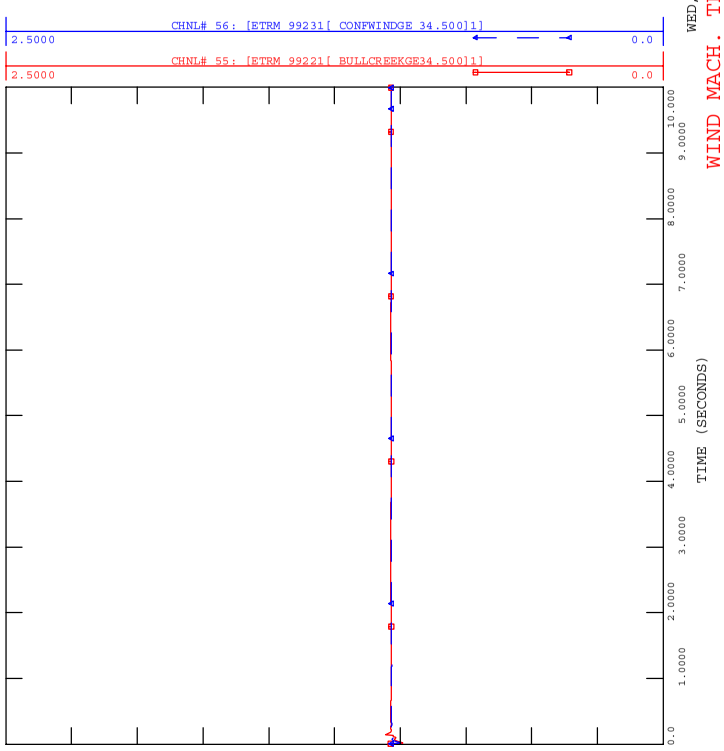


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

WIND MACH. TERMINAL VOLTS

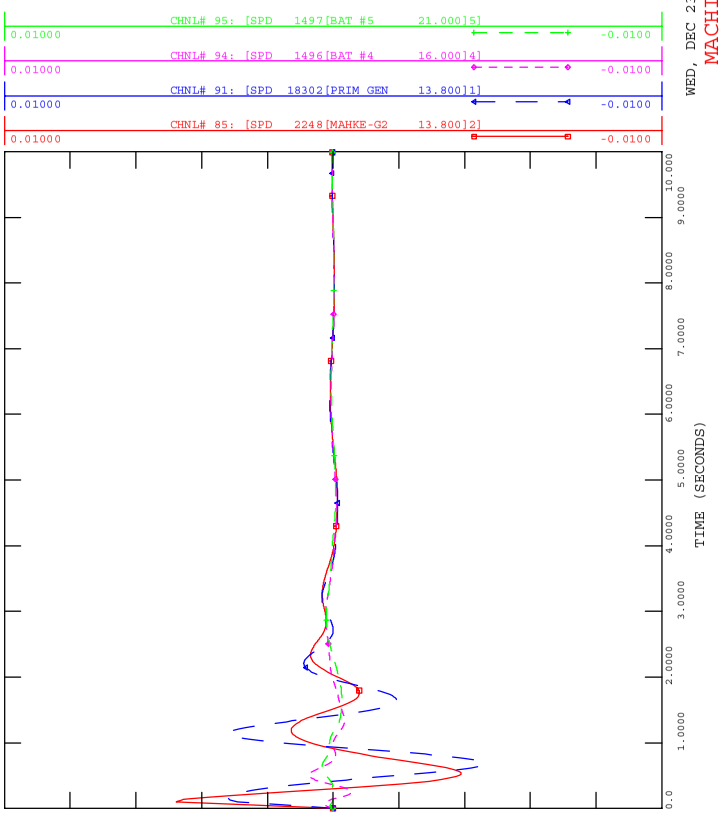


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

MACHINE SPEED

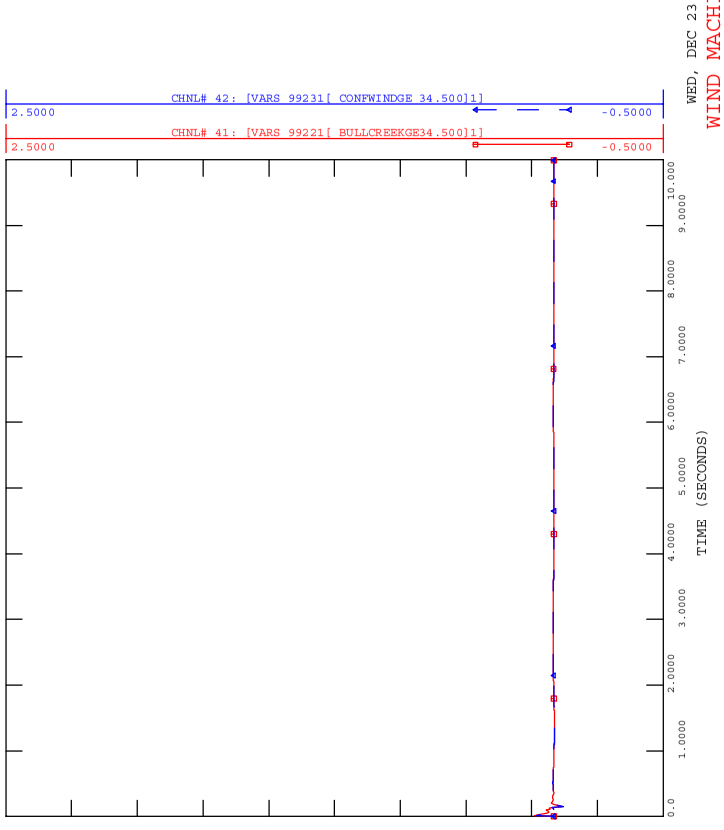


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

WIND MACHINE VARS

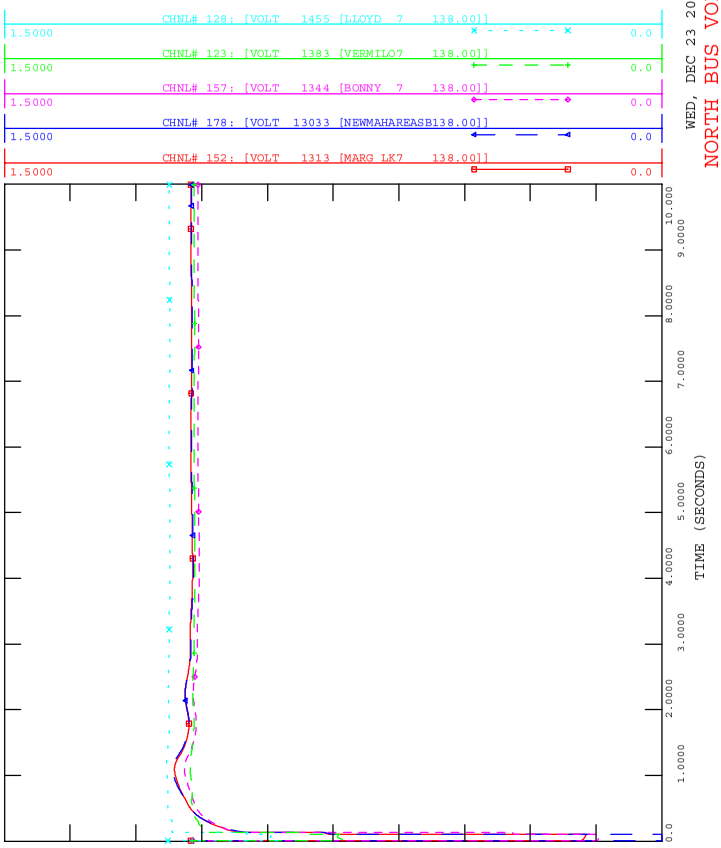


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

NORTH BUS VOLTAGES

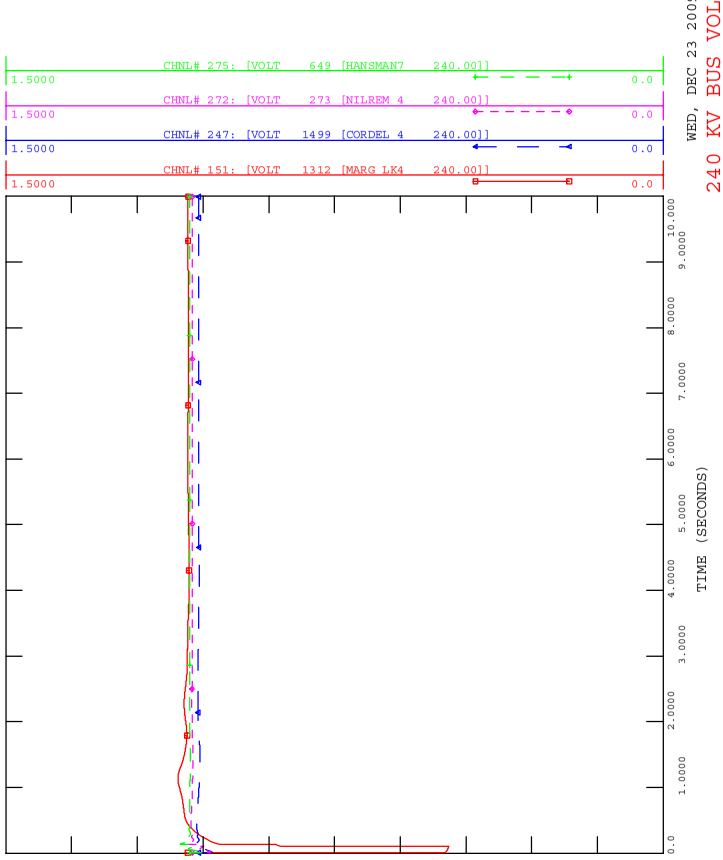


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

240 KV BUS VOLTAGES

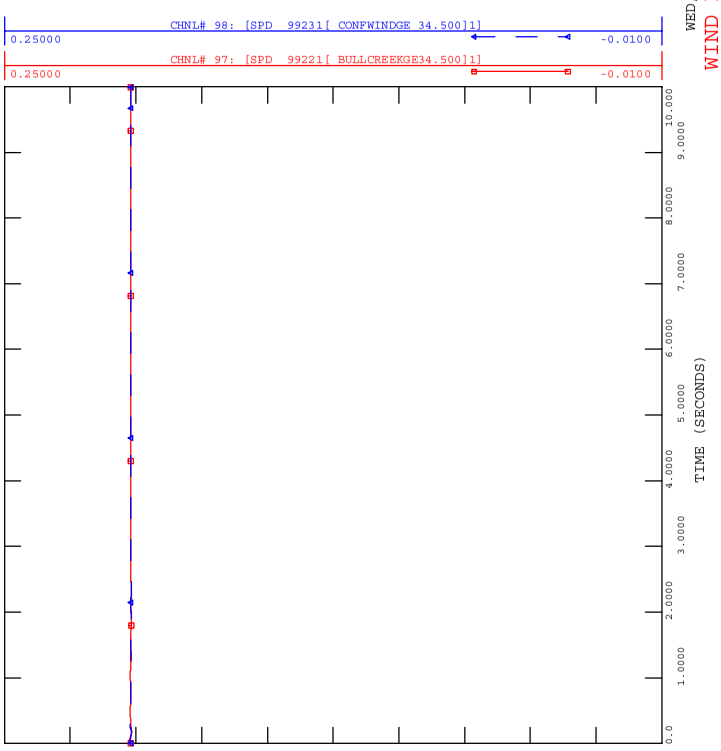


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

WIND MACHINE SPEED

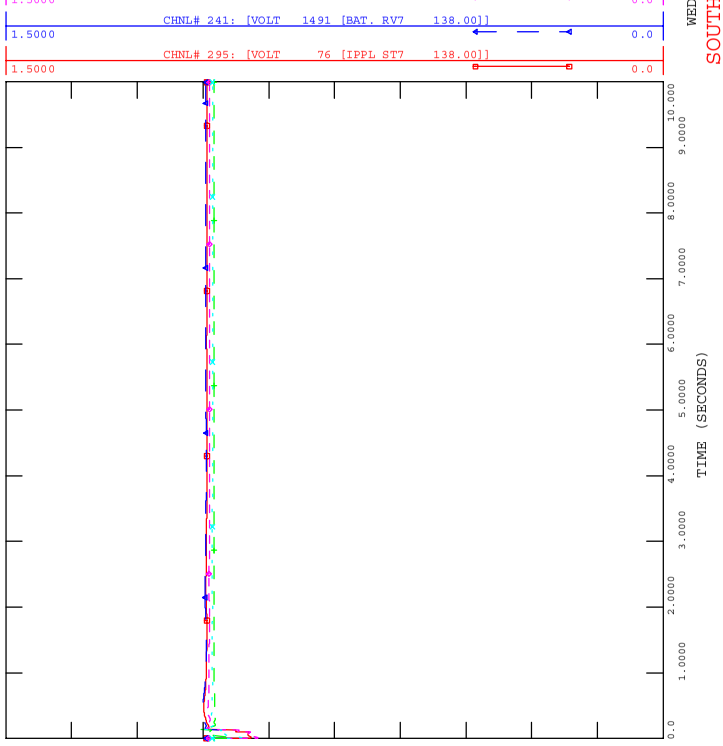


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

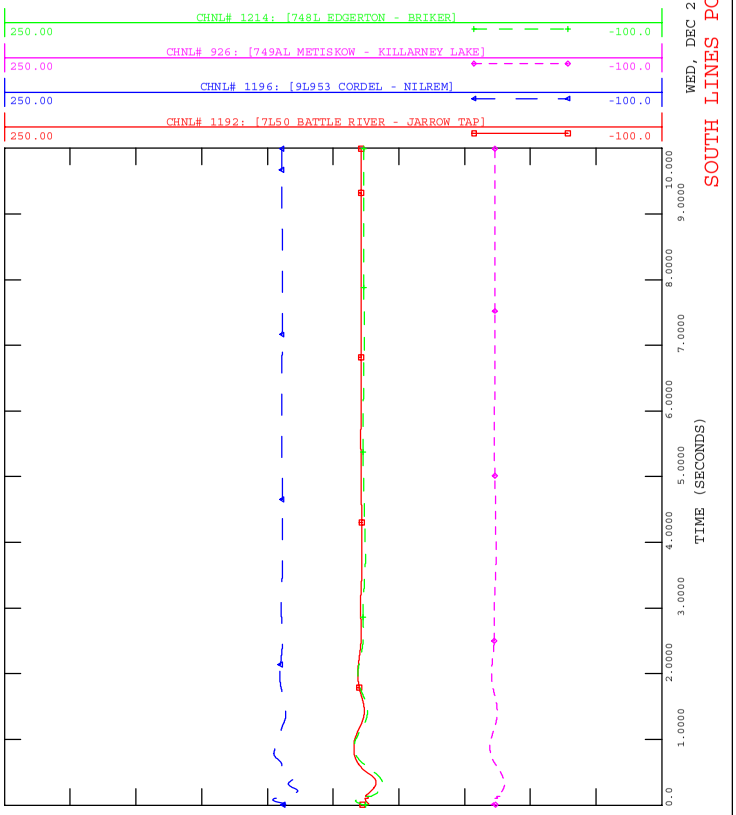
WED, DEC 23 2009 15:50

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

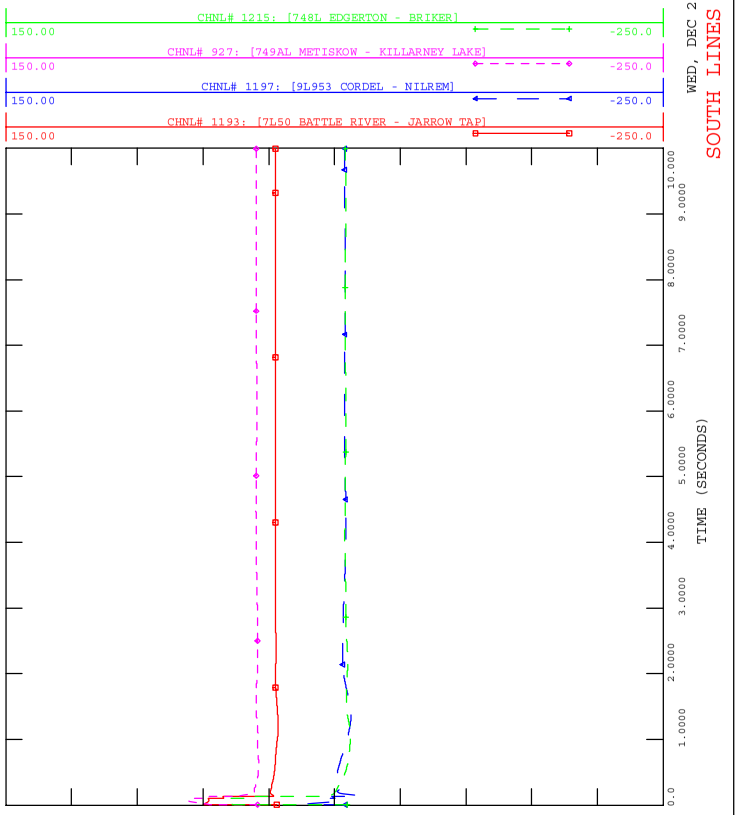


WED, DEC 23 2009 15:50

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

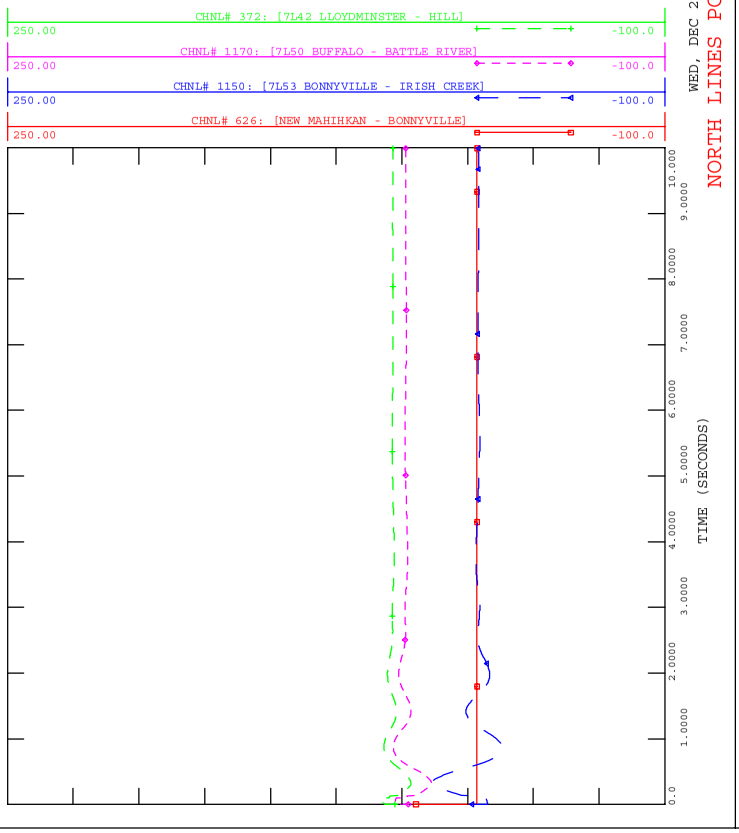


WED, DEC 23 2009 15:50

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

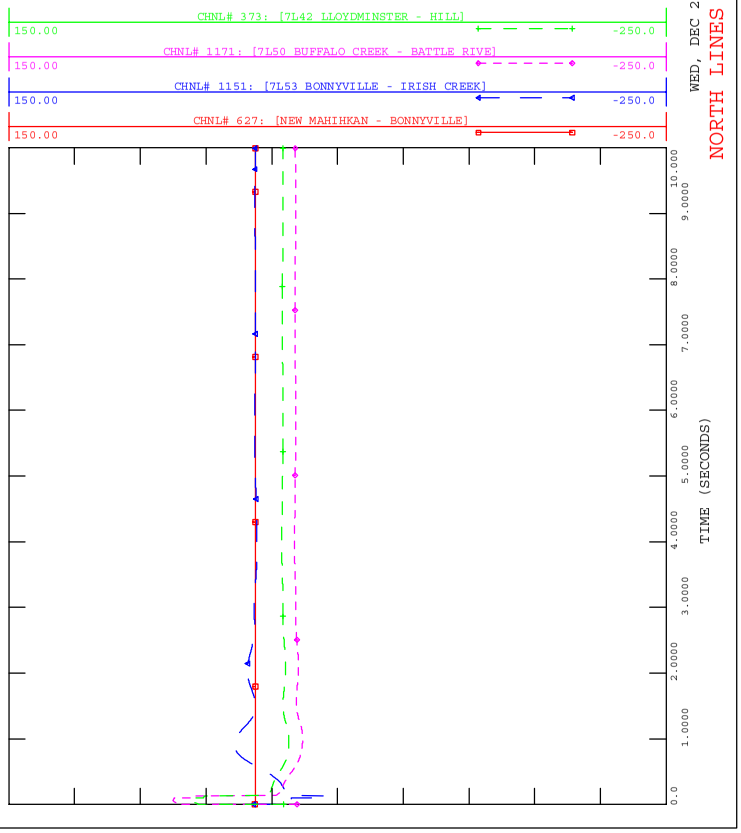


WED, DEC 23 2009 15:50

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out



WED, DEC 23 2009 15:50

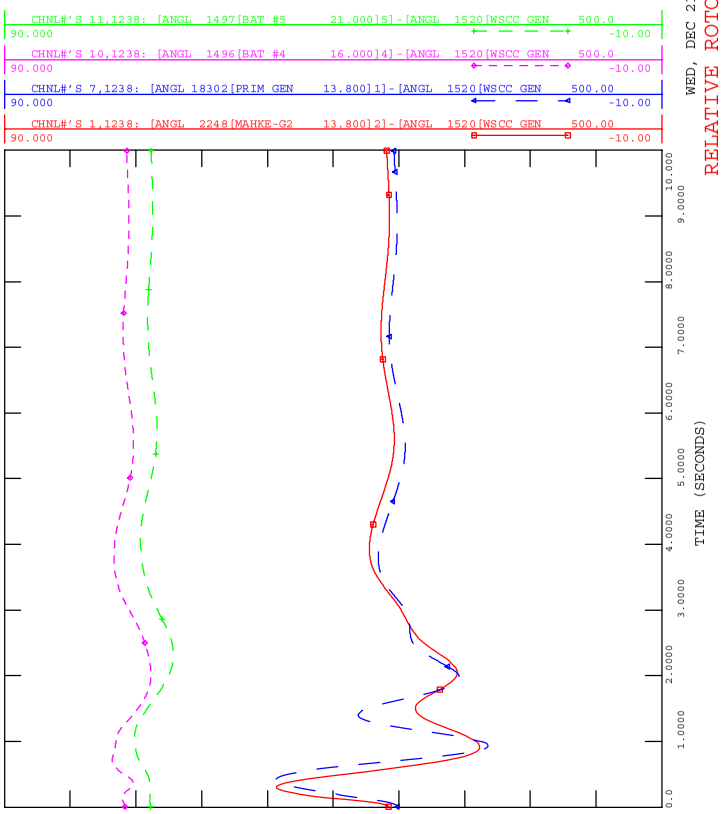
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

RELATIVE ROTOR ANGLES

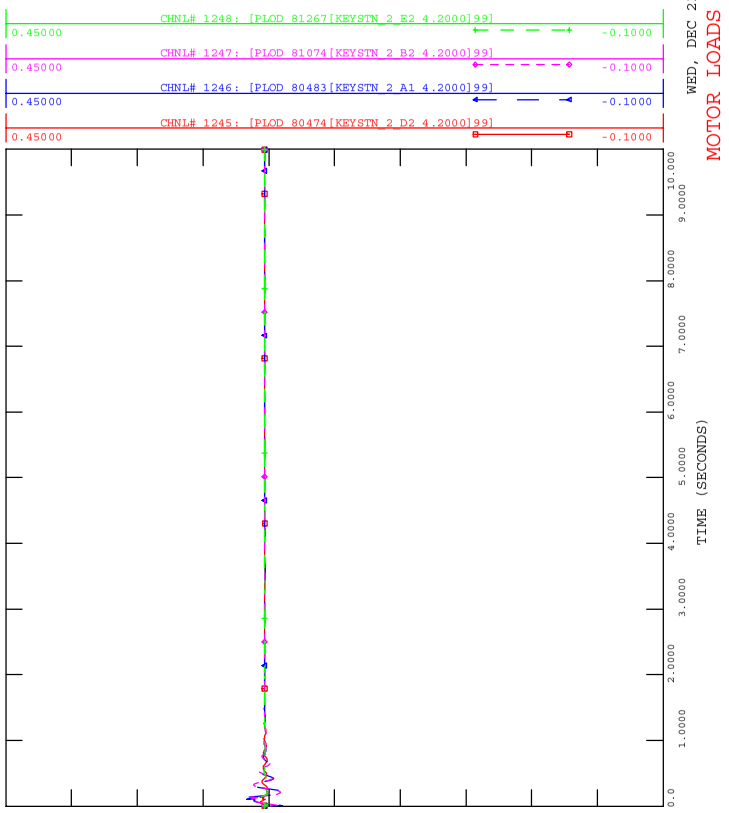


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

MOTOR LOADS GROUP II

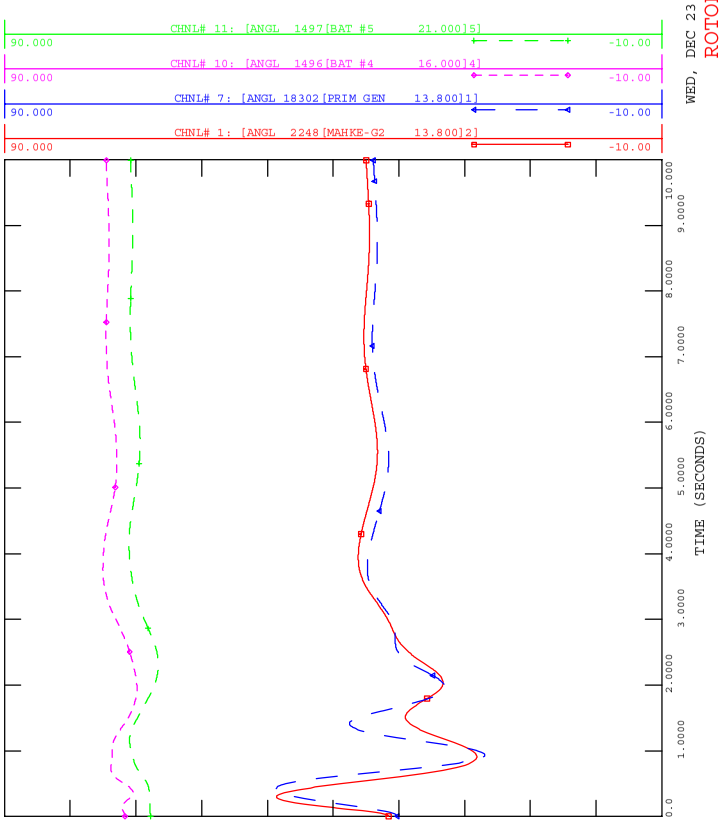


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

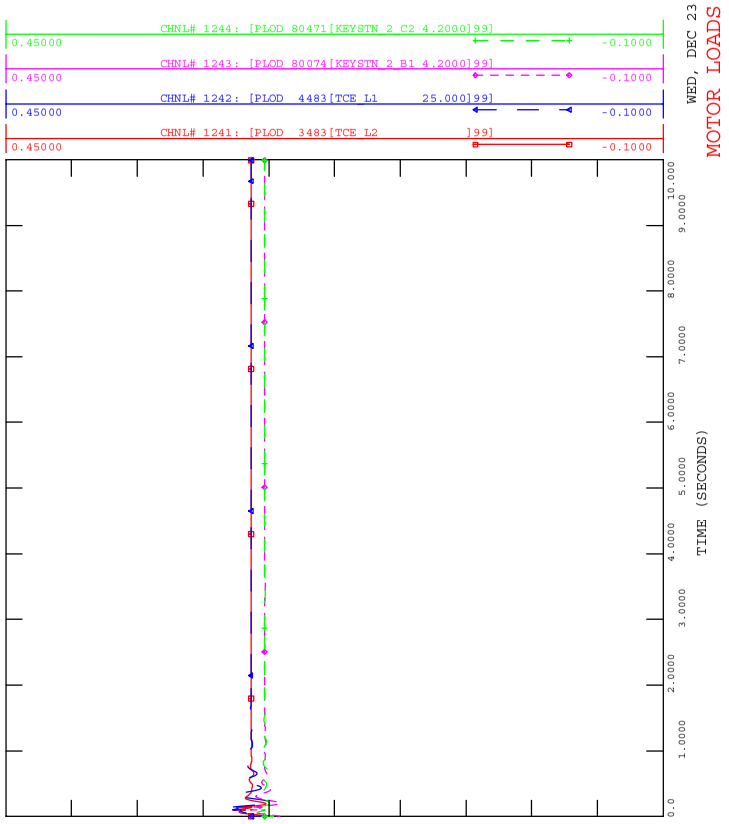


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

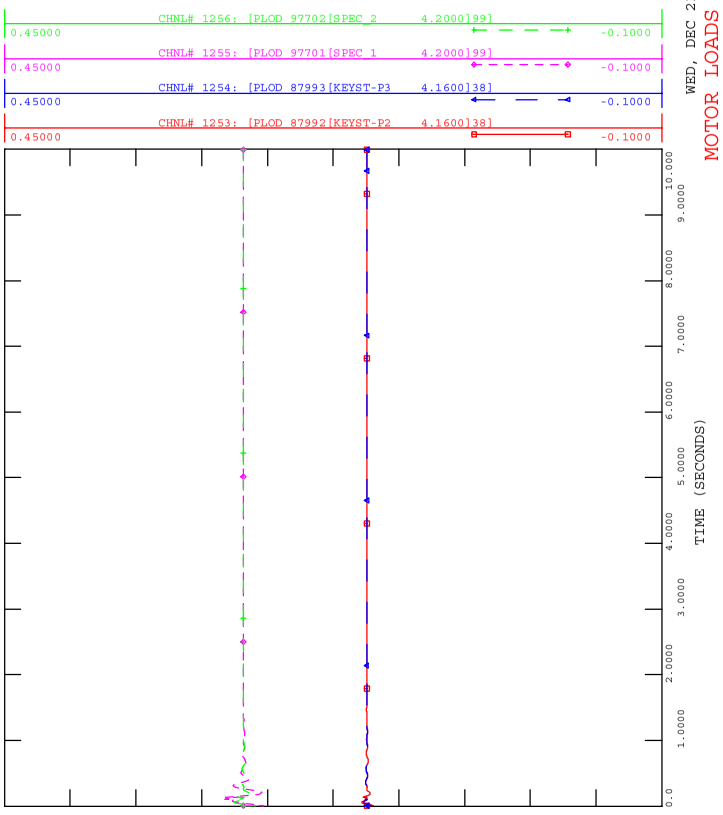
WED, DEC 23 2009 15:50

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out

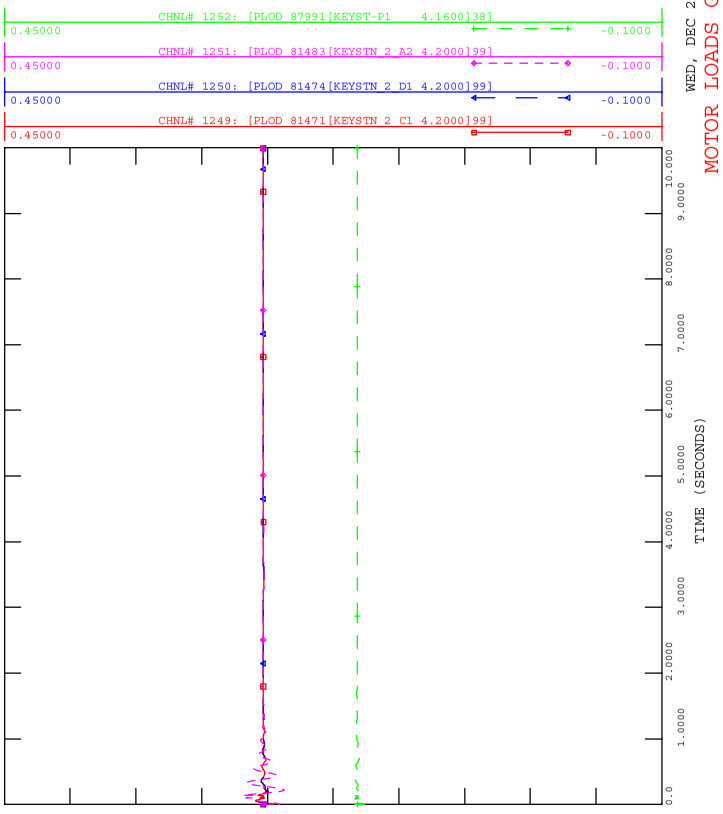


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B2fault.out



WED, DEC 23 2009 15:50

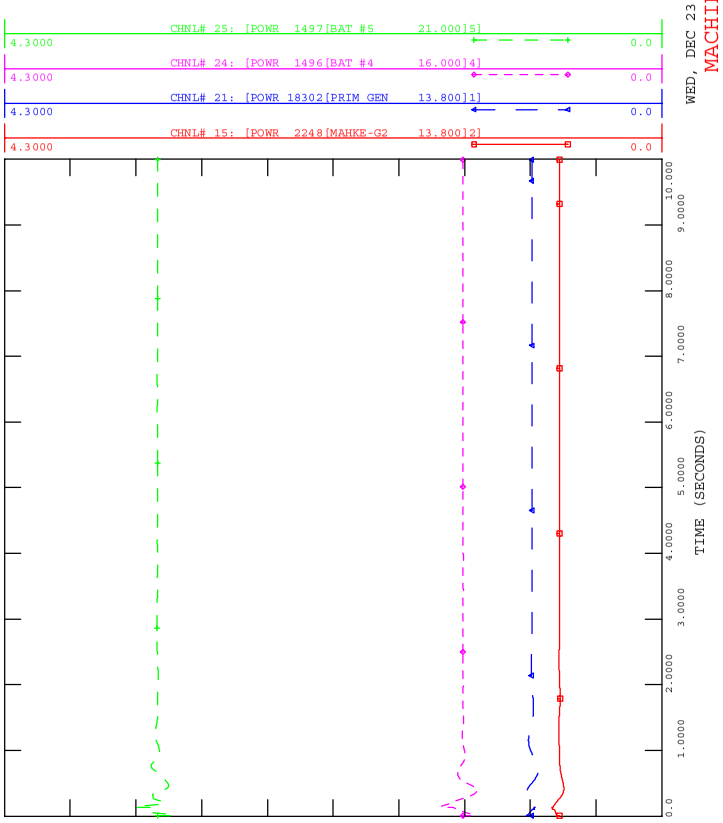
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

MACHINE POWER

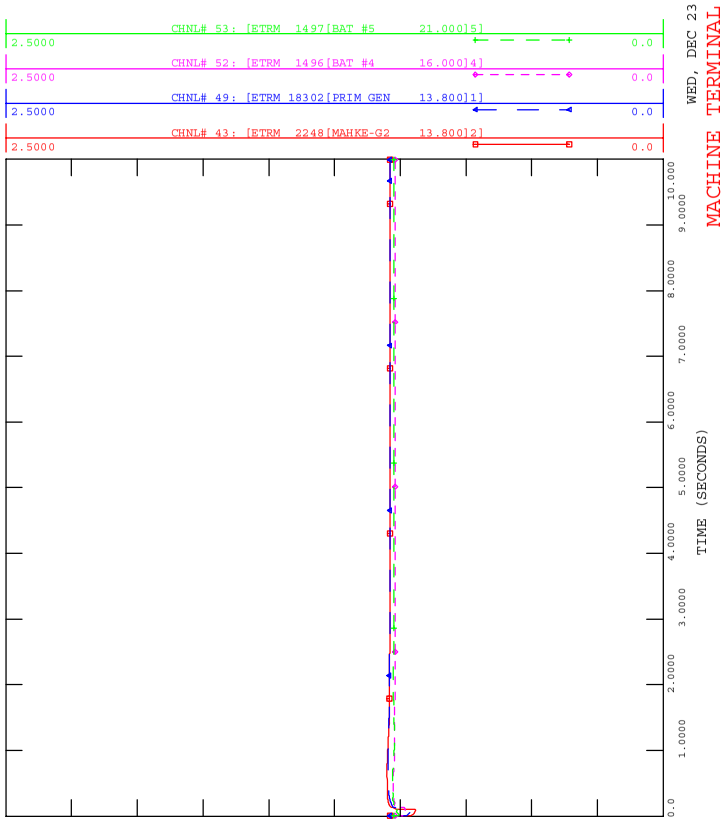


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

MACHINE TERMINAL VOLTAGE

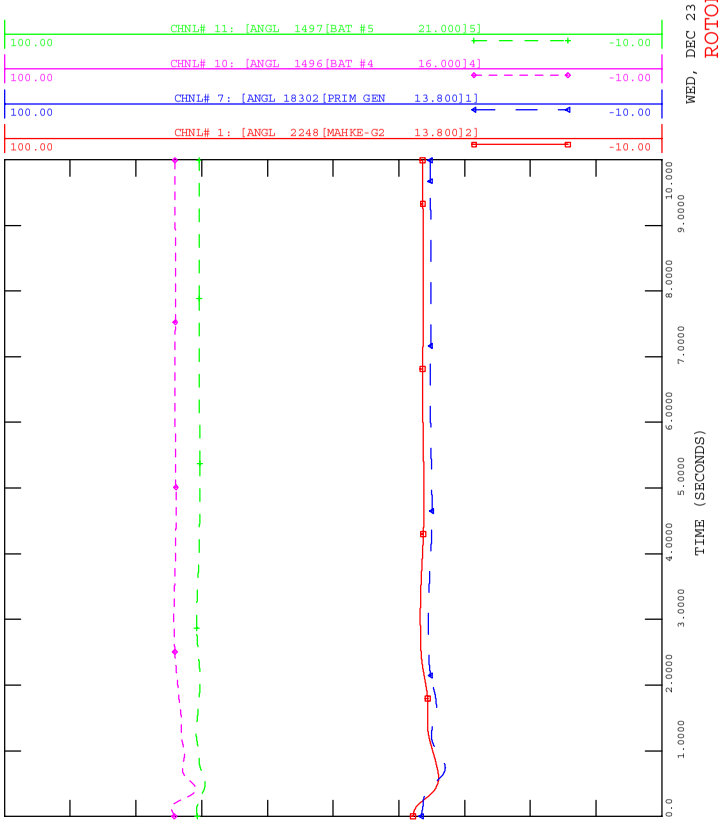


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

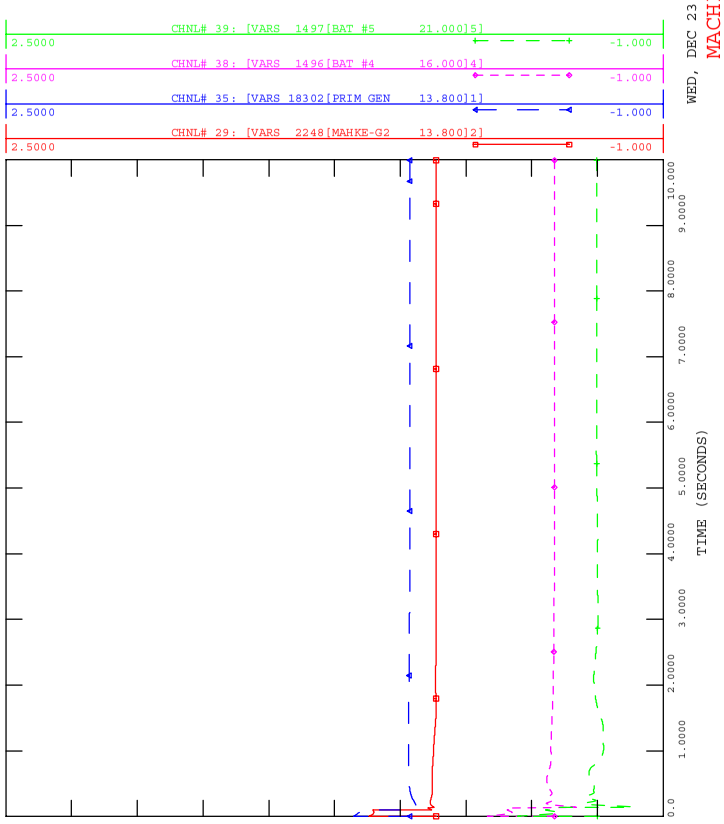


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

MACHINE VARS

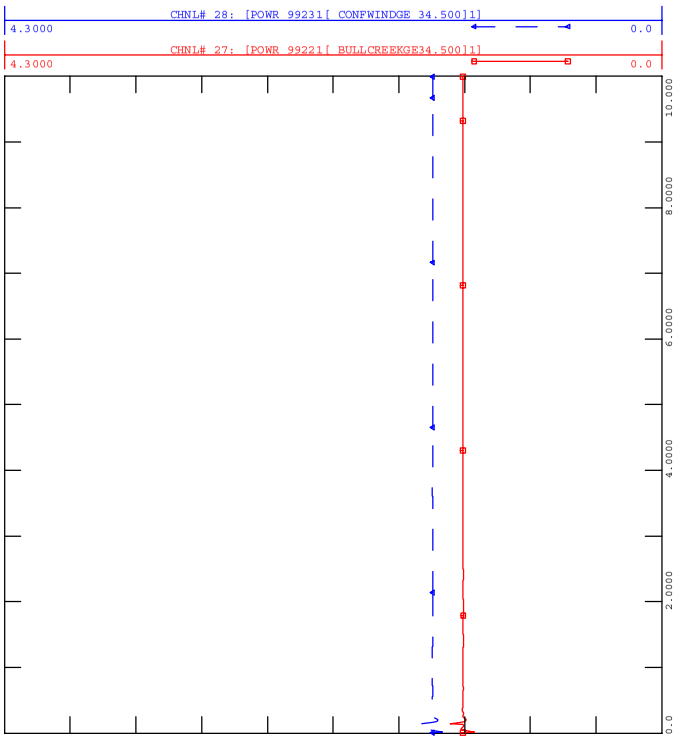


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

WIND MACHINE POWER

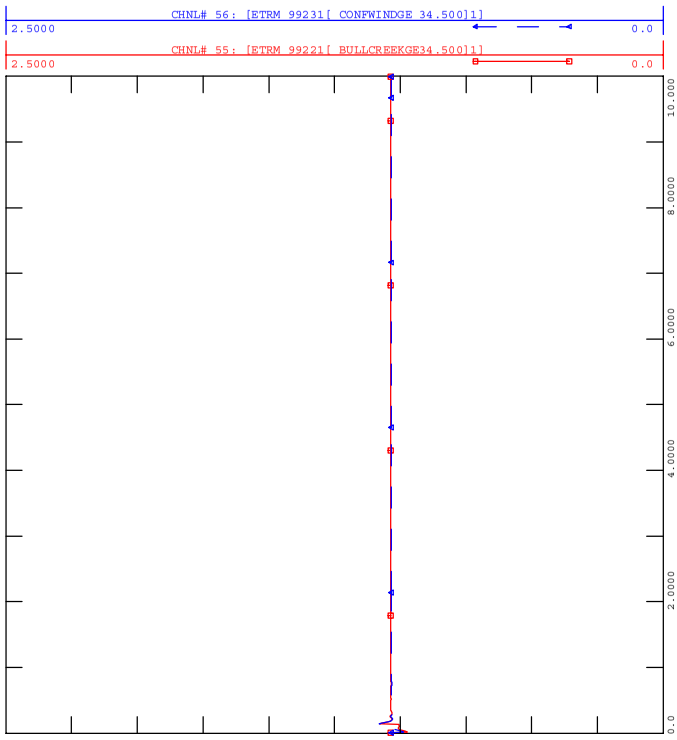


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

WIND MACH. TERMINAL VOLTS

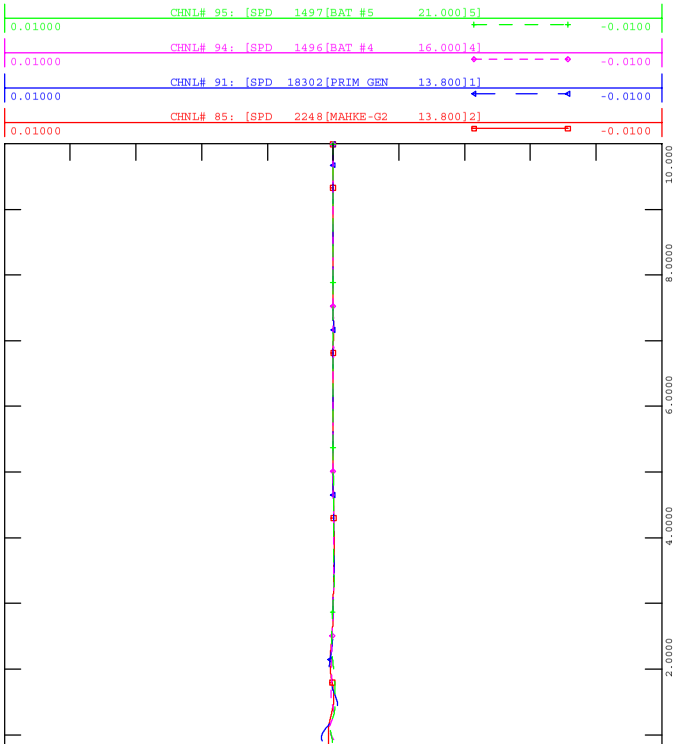


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

MACHINE SPEED

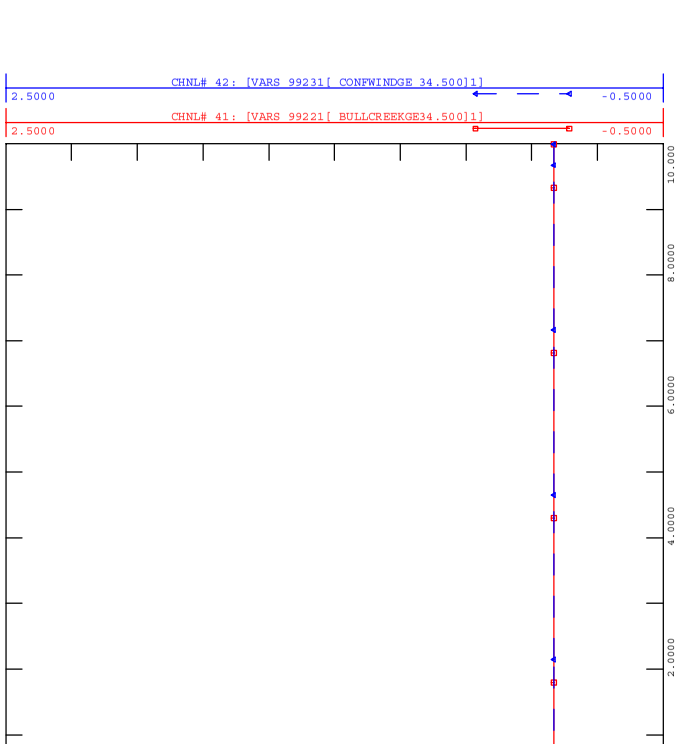


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

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WIND MACHINE VARS

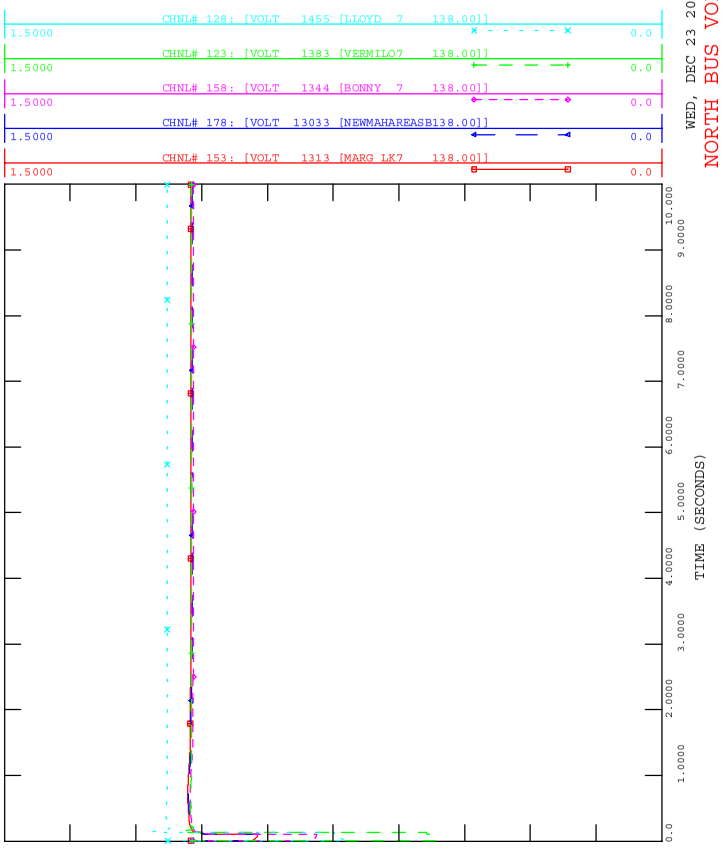


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

NORTH BUS VOLTAGES

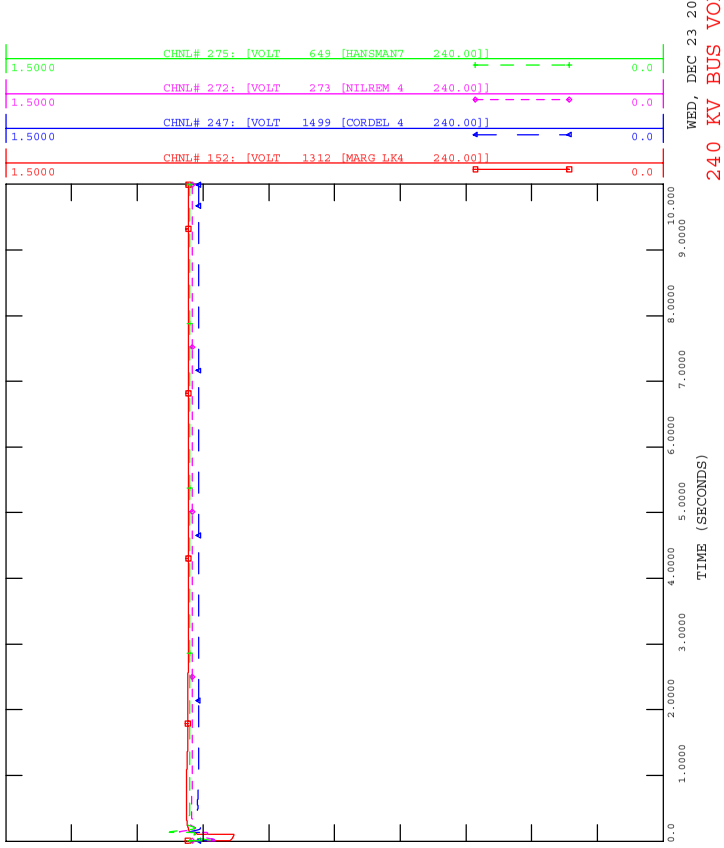


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

240 KV BUS VOLTAGES

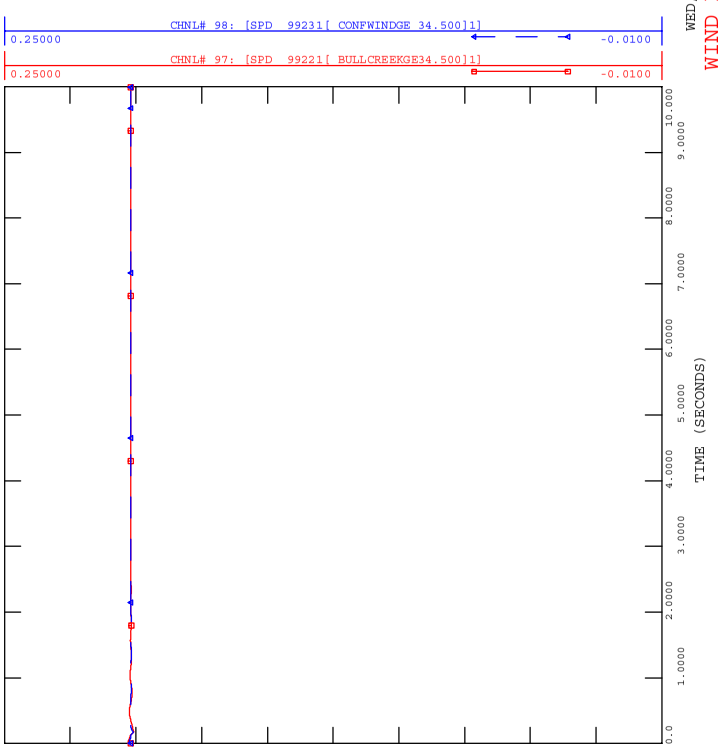


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

WIND MACHINE SPEED

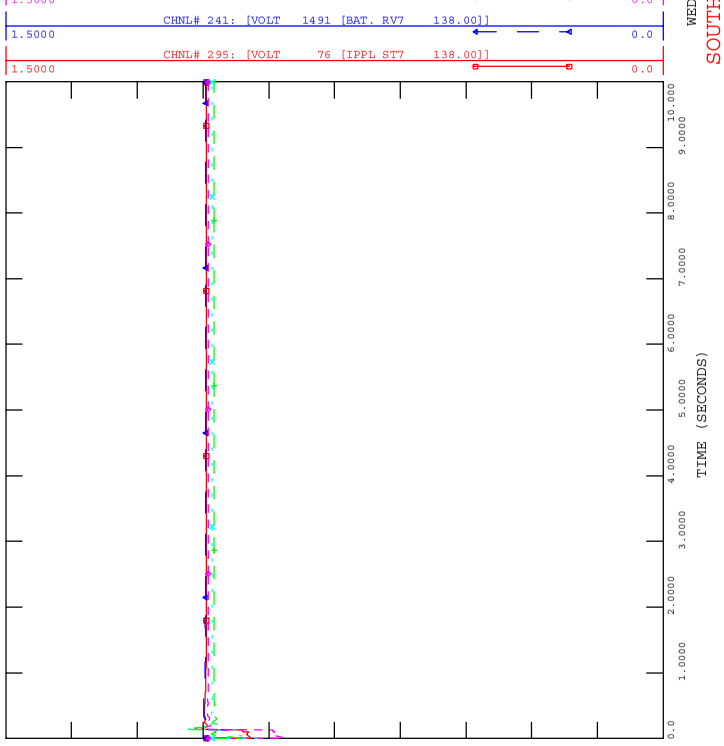


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

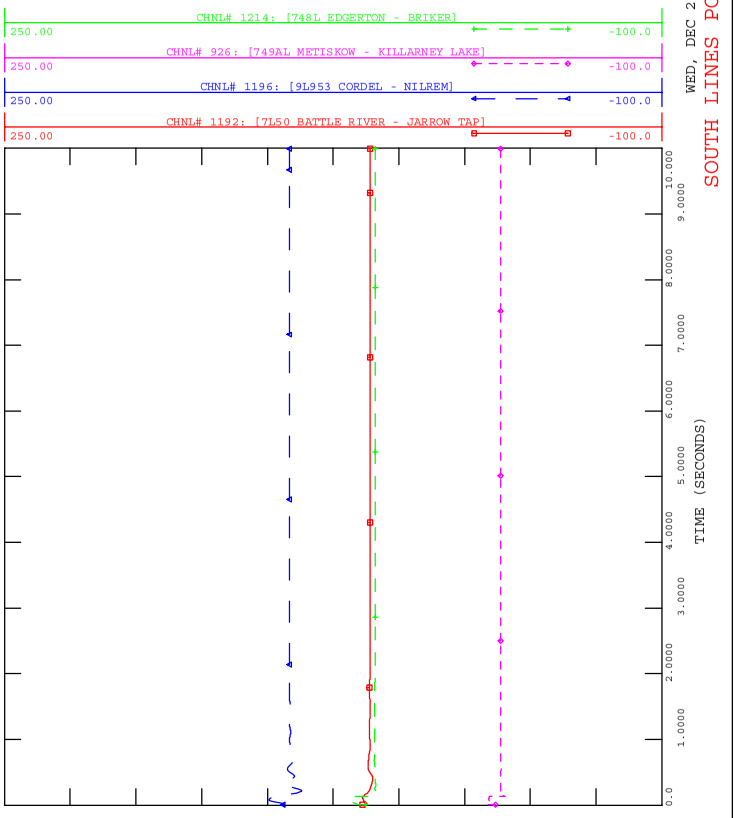
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SOUTH BUS VOLTAGES



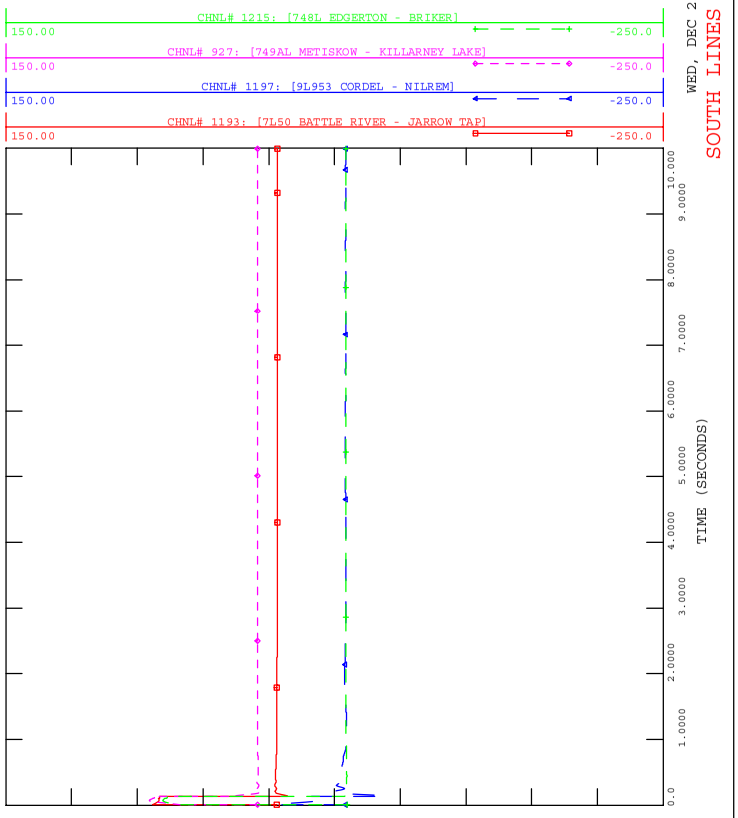
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out



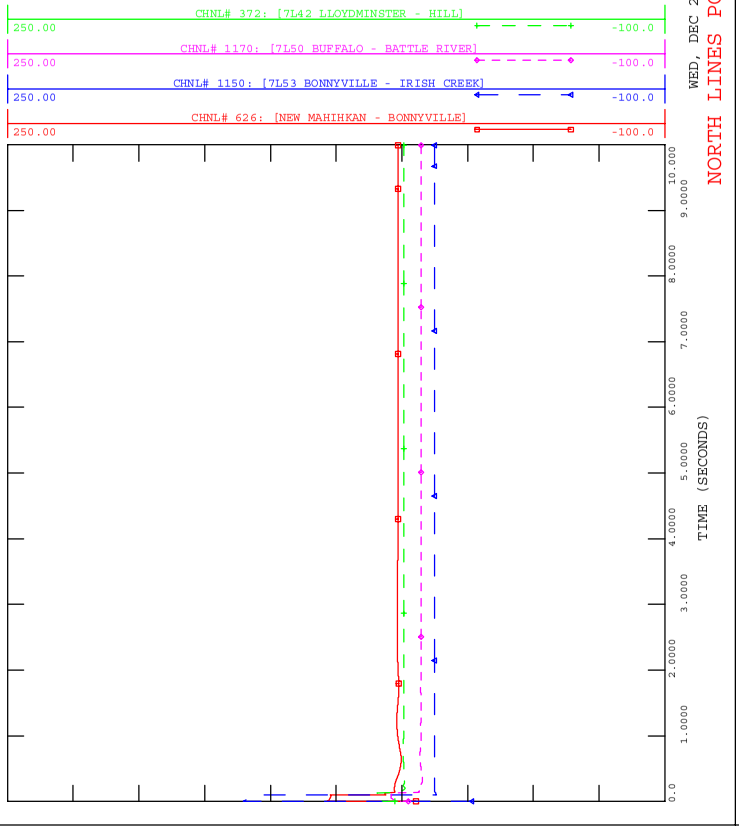
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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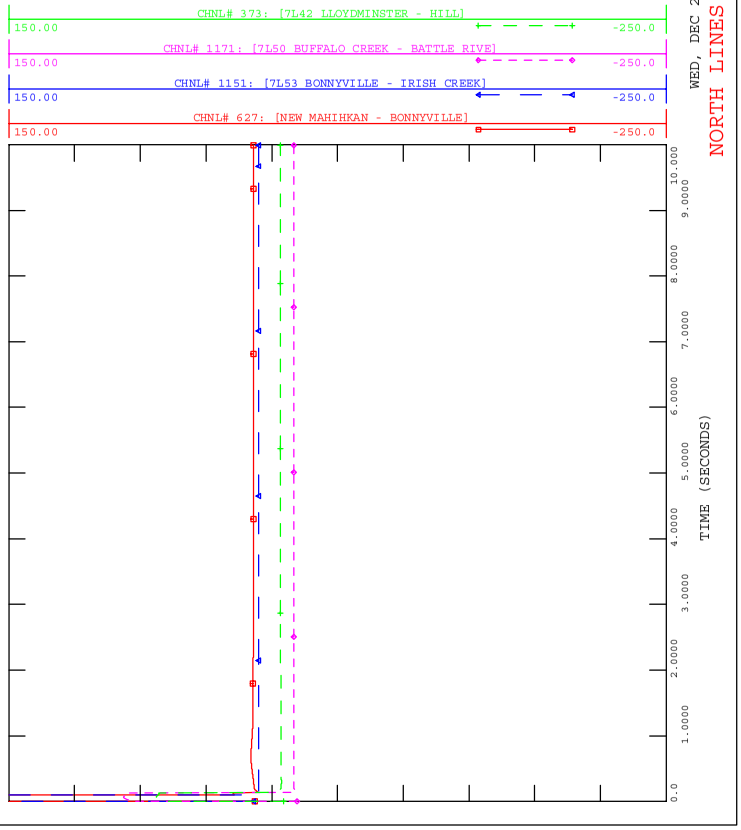
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

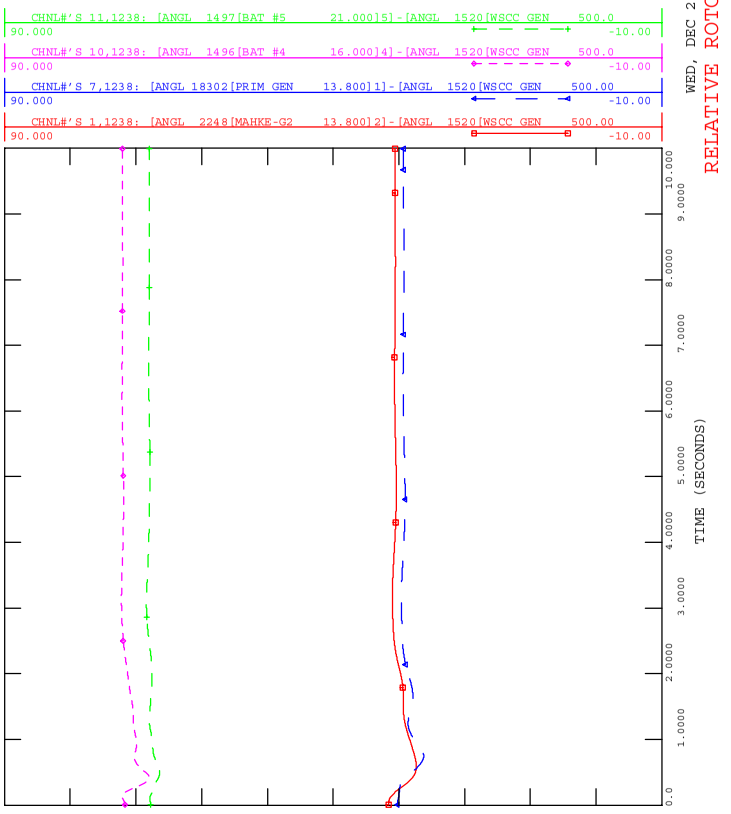


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

RELATIVE ROTOR ANGLES

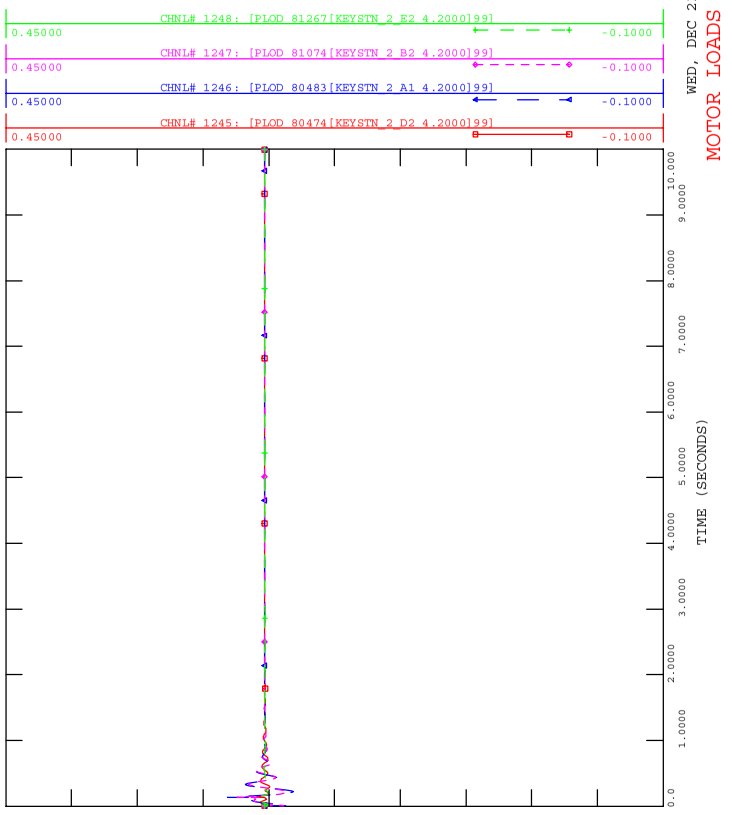


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

MOTOR LOADS GROUP II

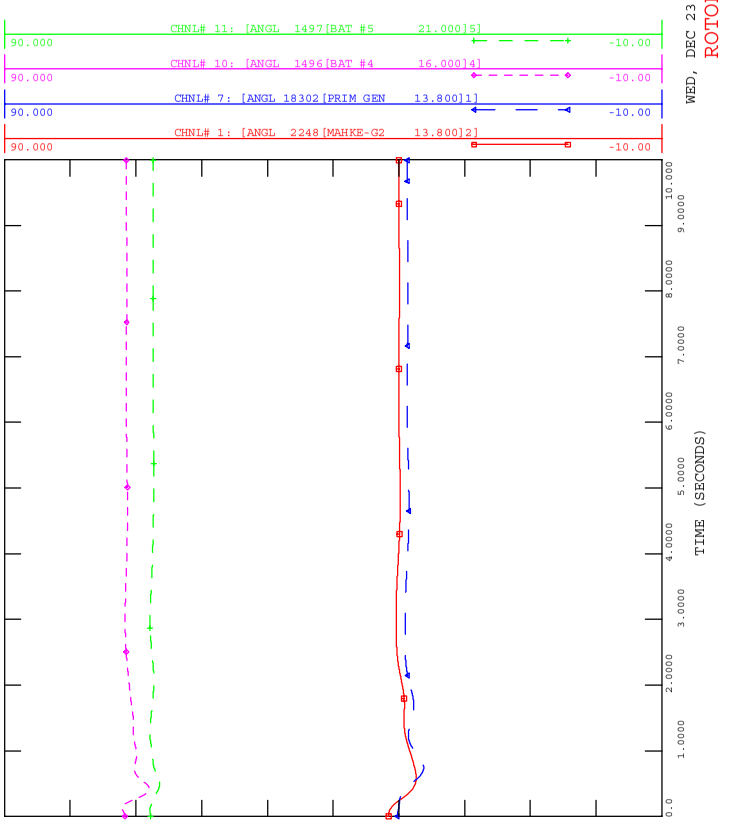


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

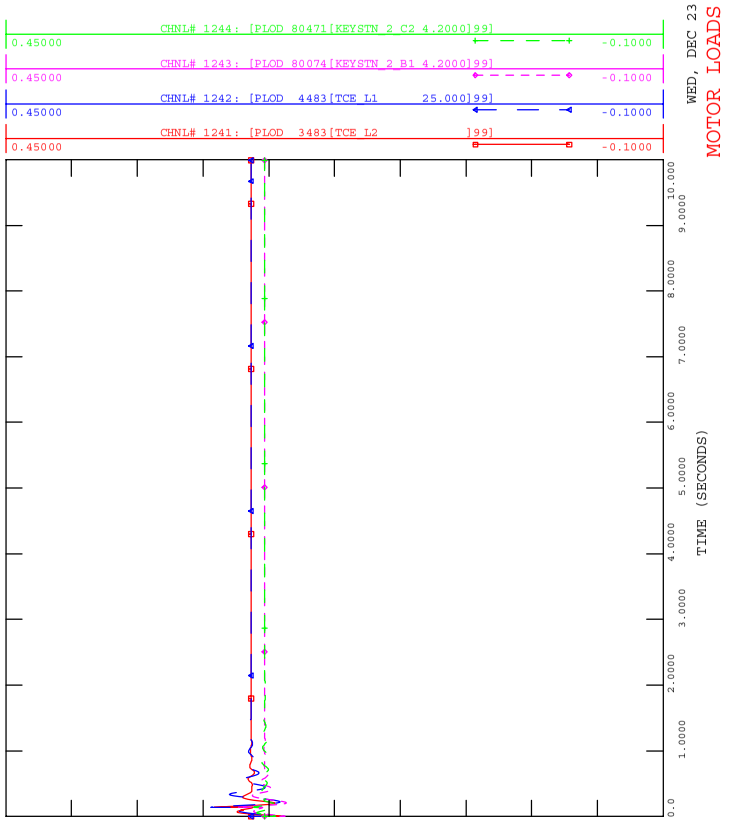


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

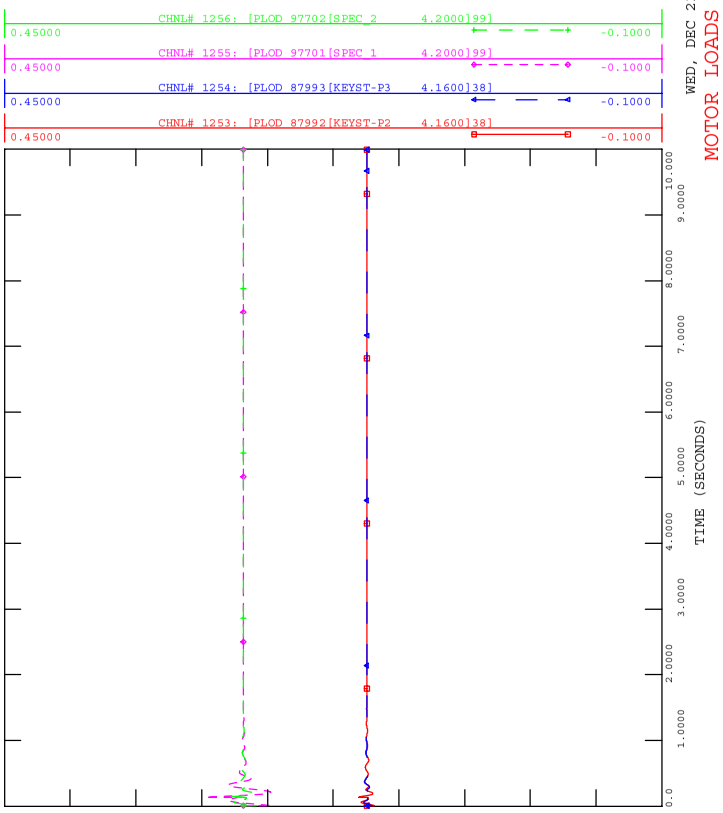
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out

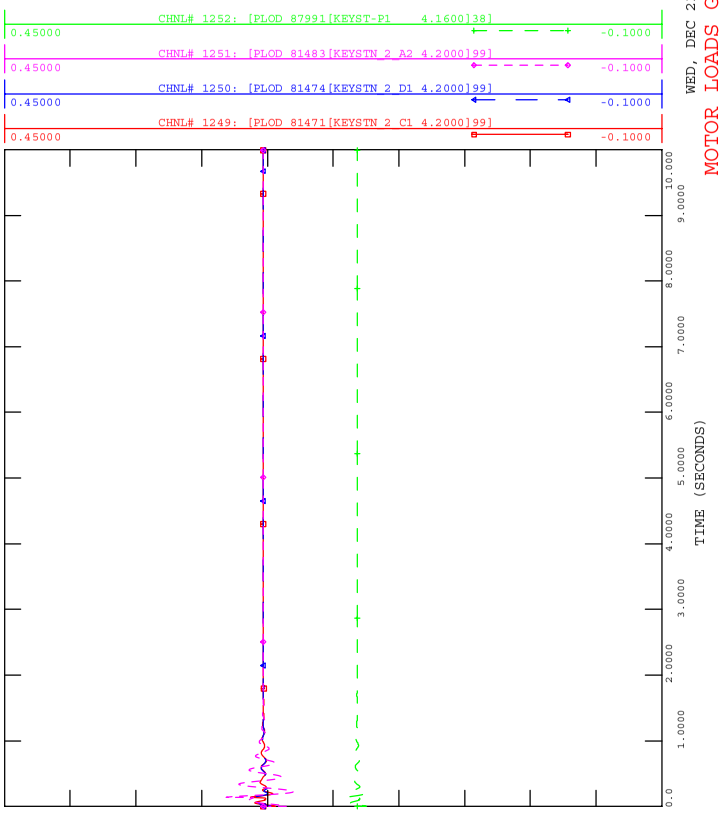


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B3fault.out



WED, DEC 23 2009 15:50

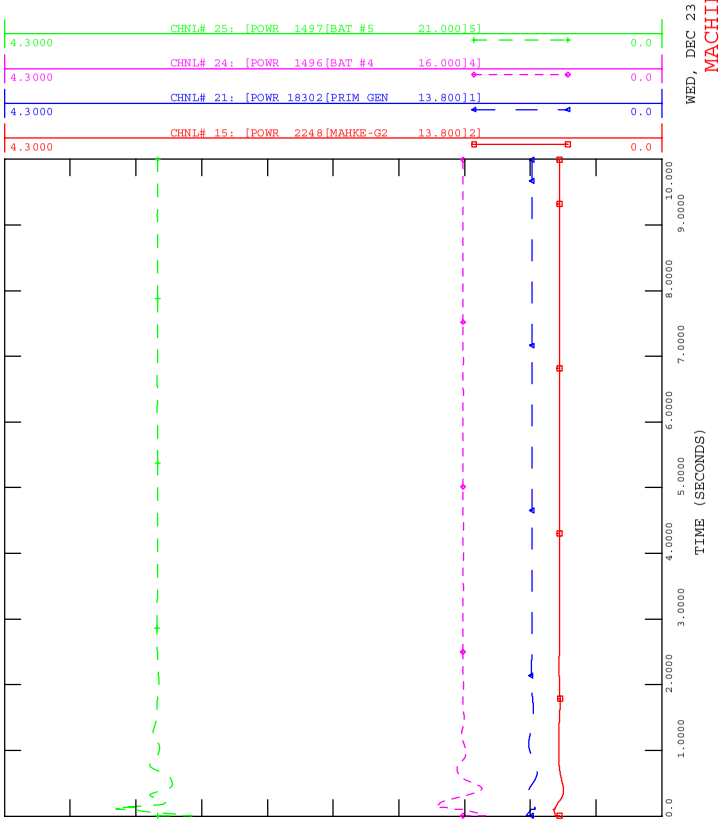
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

MACHINE POWER

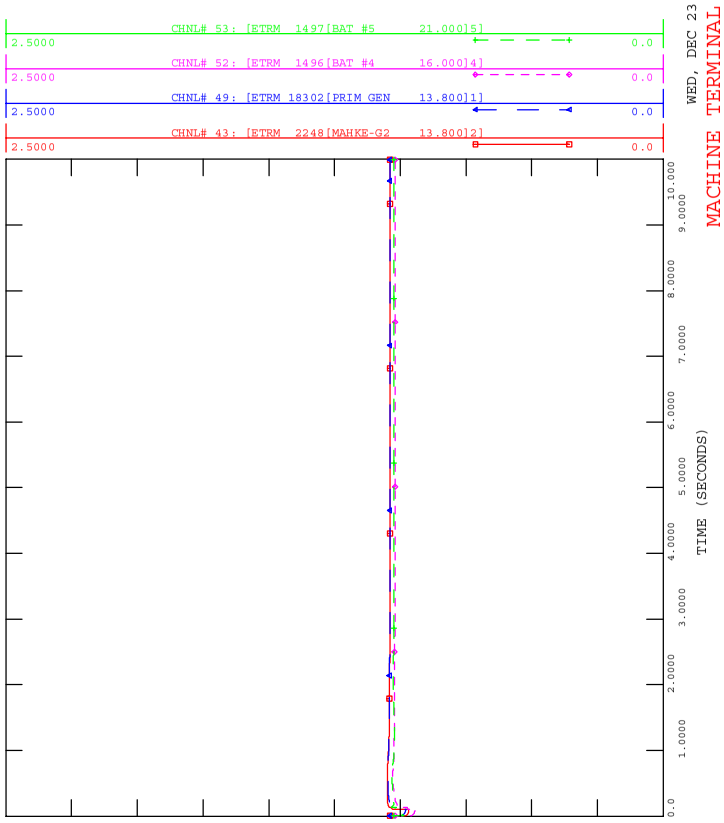


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

MACHINE TERMINAL VOLTAGE

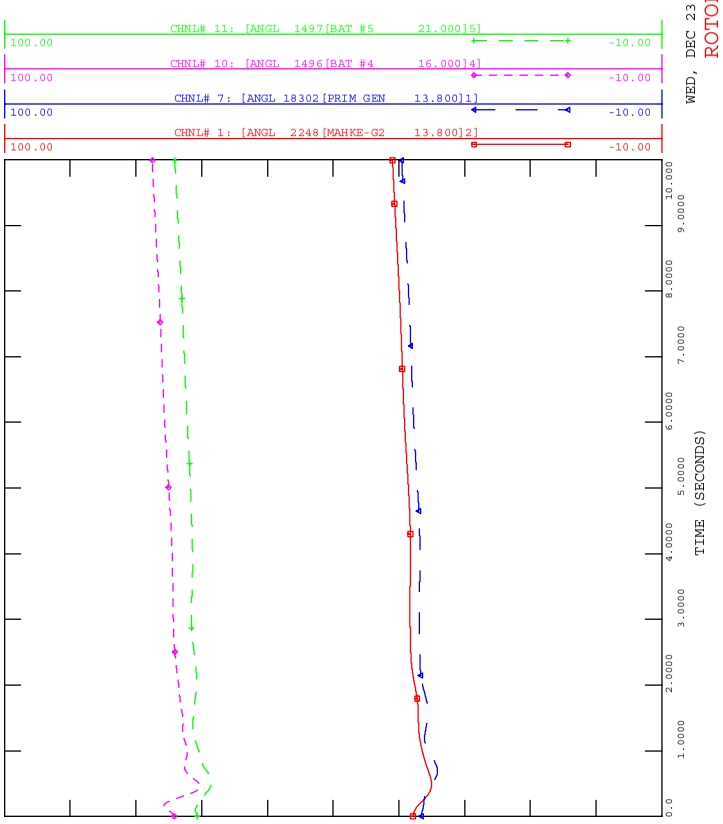


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

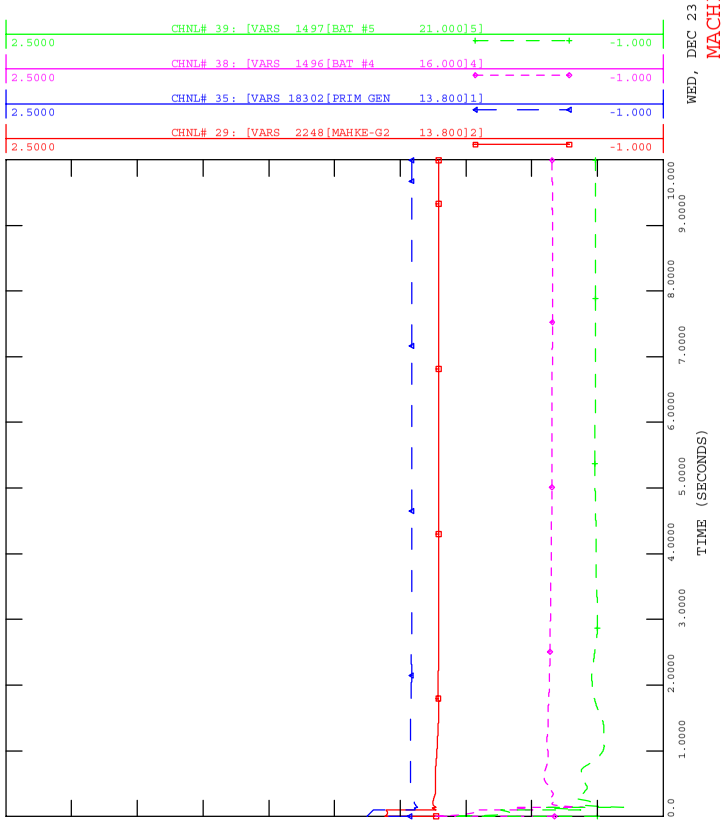


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

MACHINE VARS

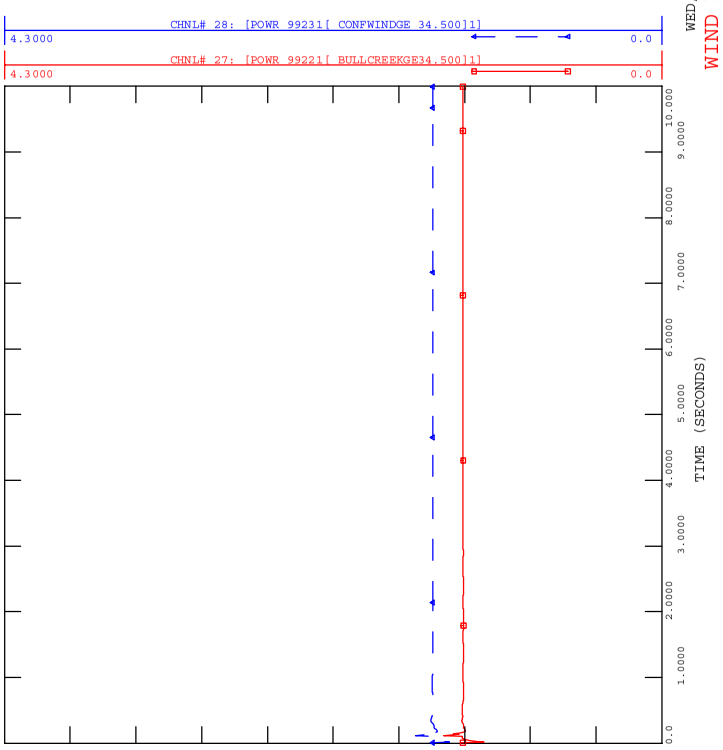


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

WIND MACHINE POWER

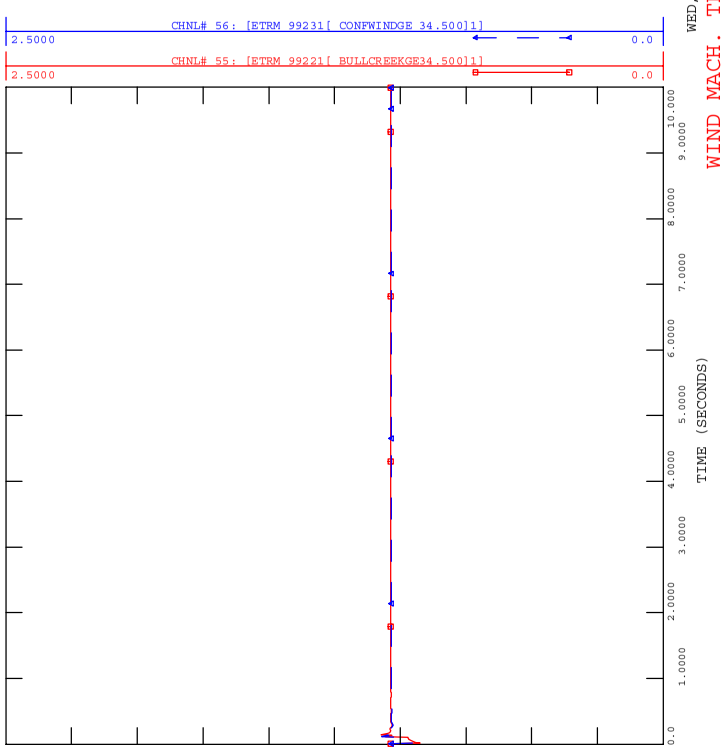


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

WIND MACH. TERMINAL VOLTS

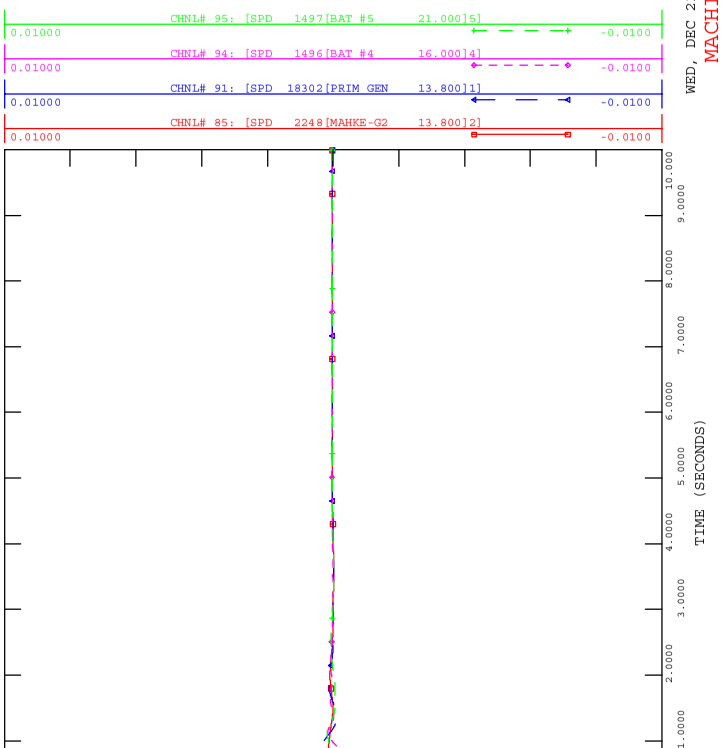


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

MACHINE SPEED

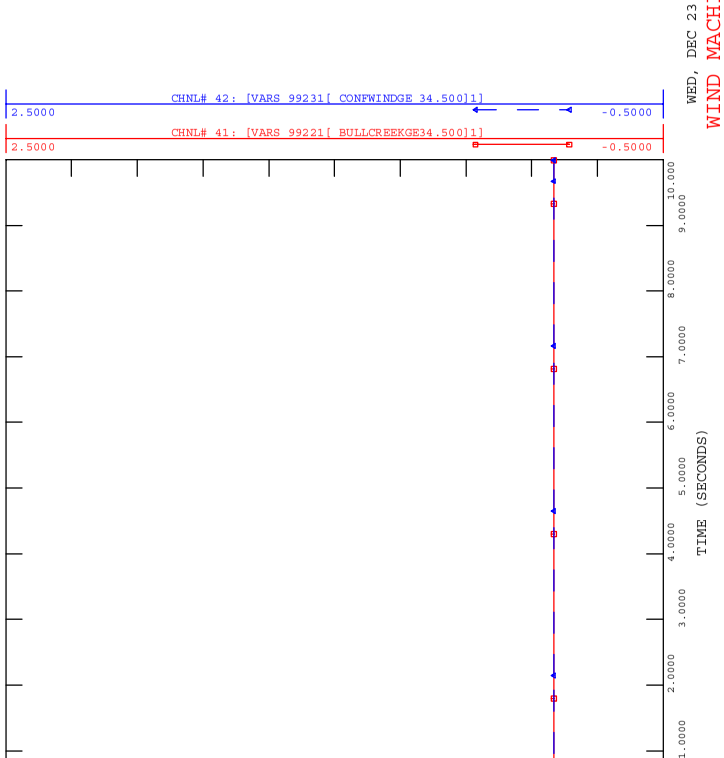


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

WIND MACHINE VARS

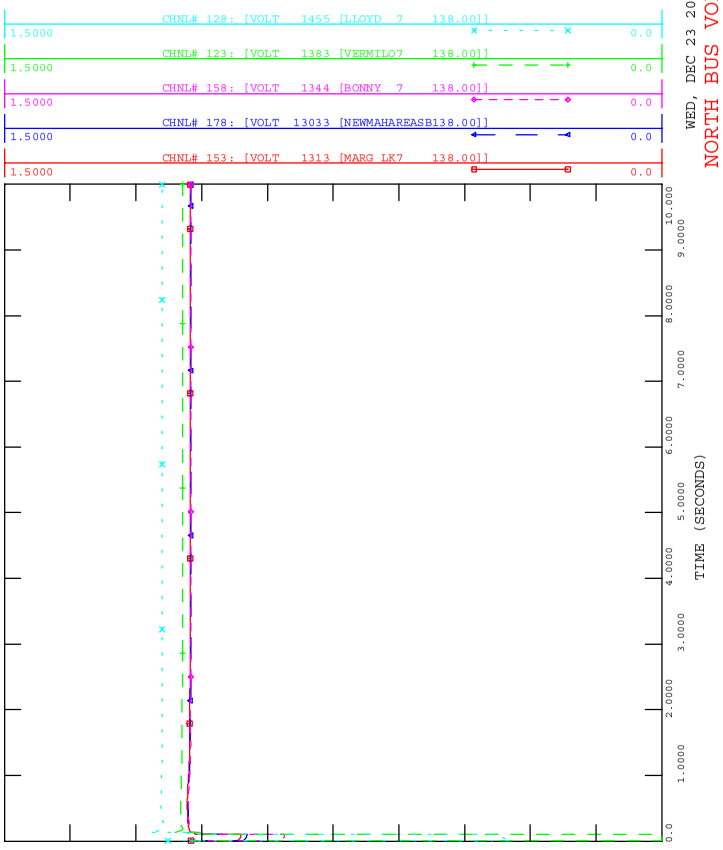


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

NORTH BUS VOLTAGES

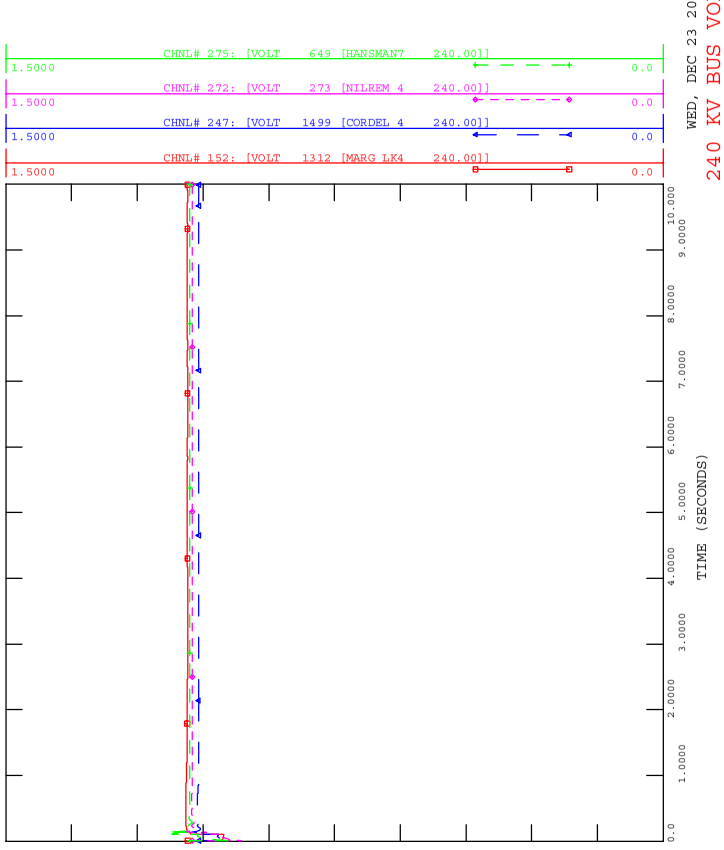


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

240 KV BUS VOLTAGES

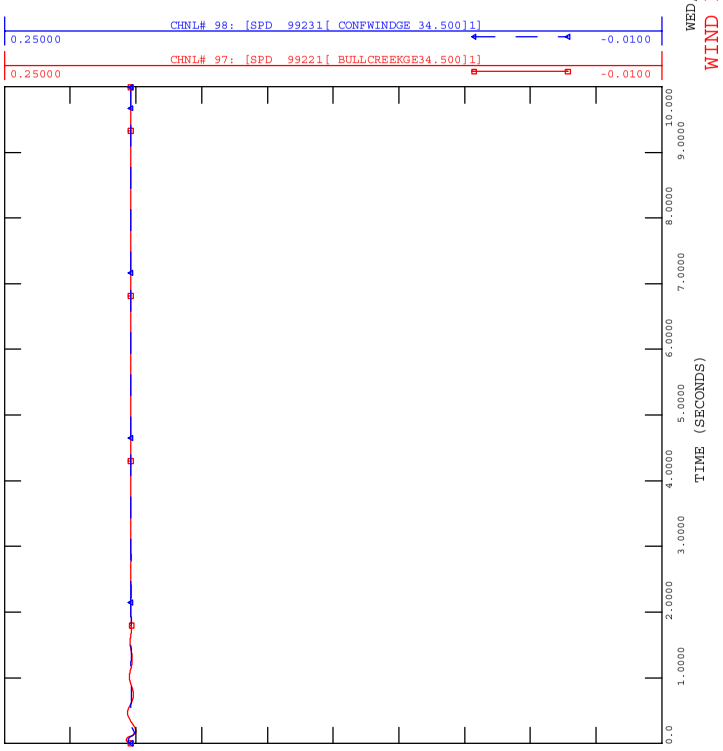


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

WIND MACHINE SPEED

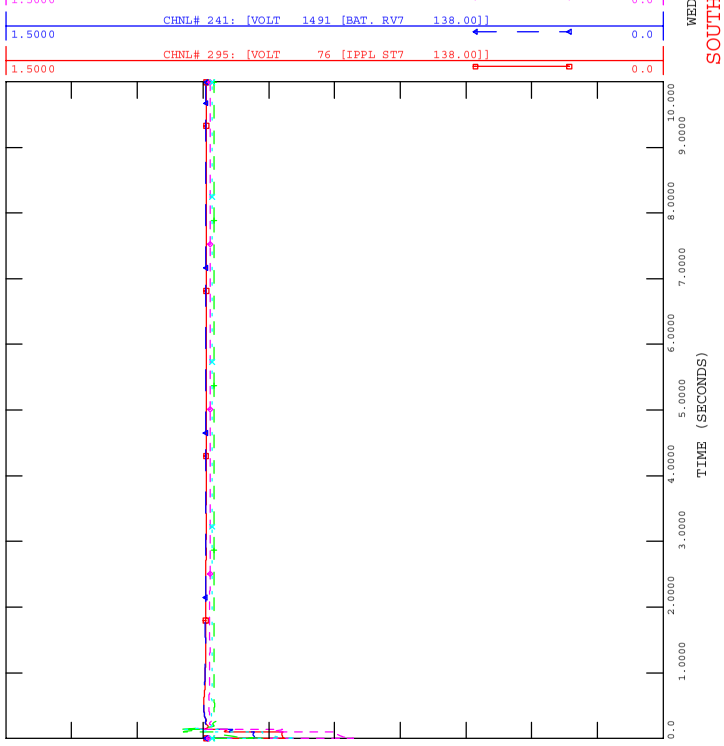


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

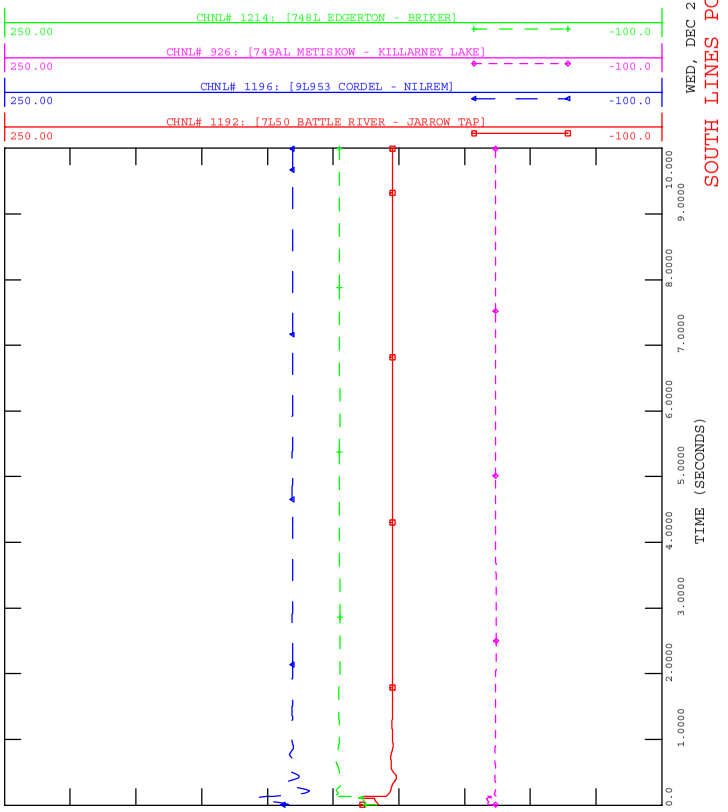
WED, DEC 23 2009 15:50

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

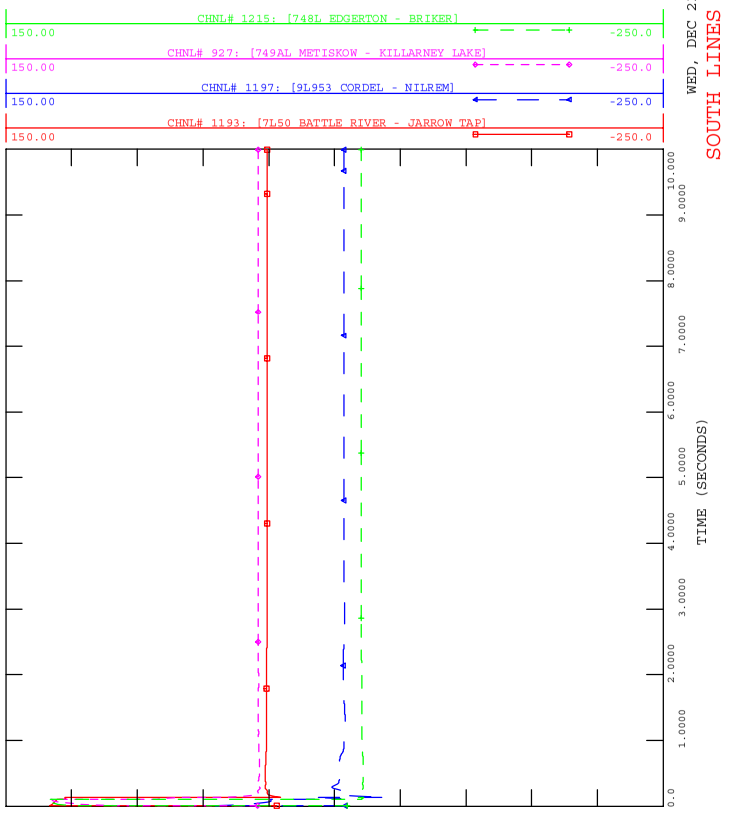


WED, DEC 23 2009 15:50

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

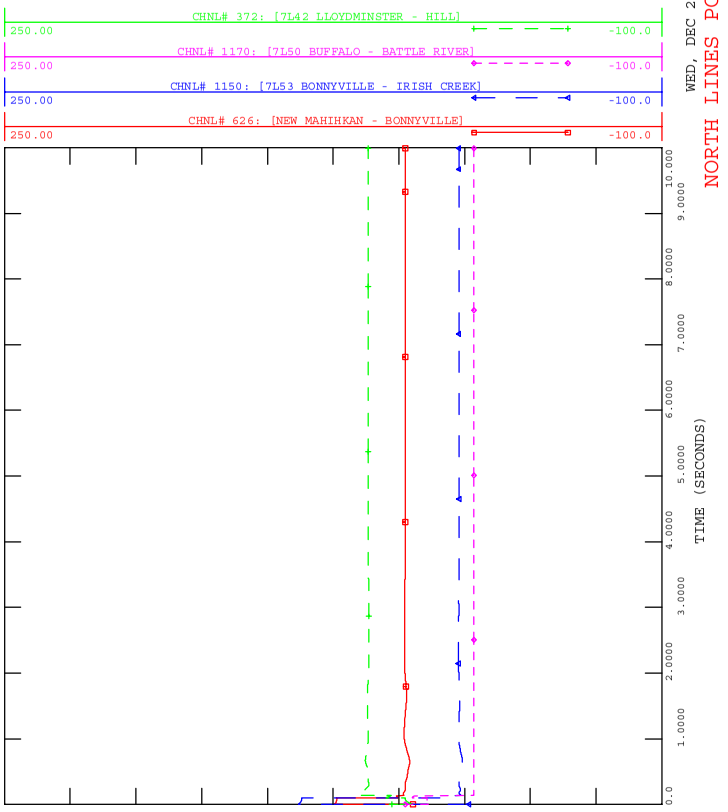


WED, DEC 23 2009 15:50

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

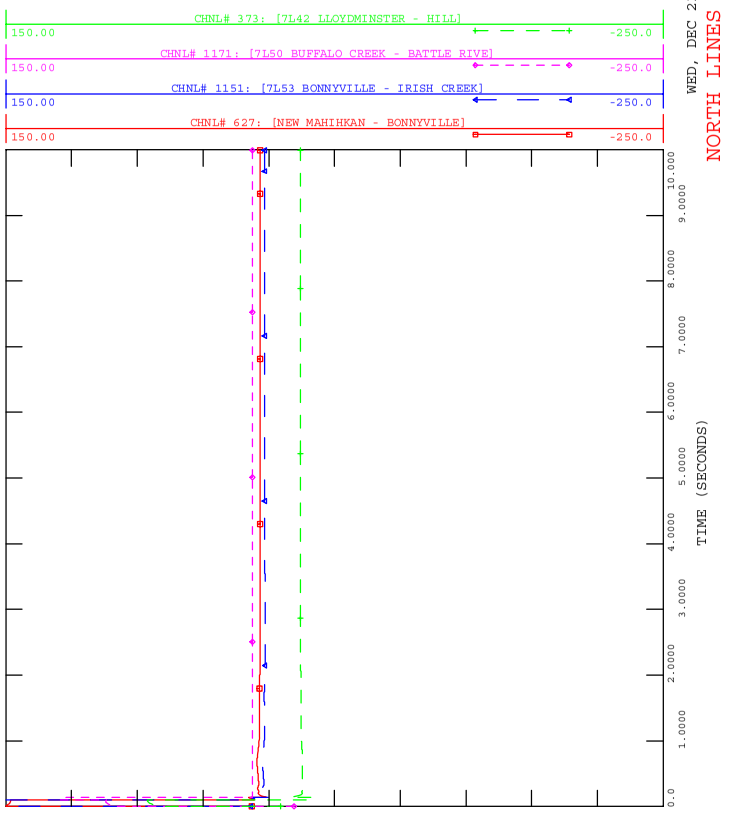


WED, DEC 23 2009 15:50

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out



WED, DEC 23 2009 15:50

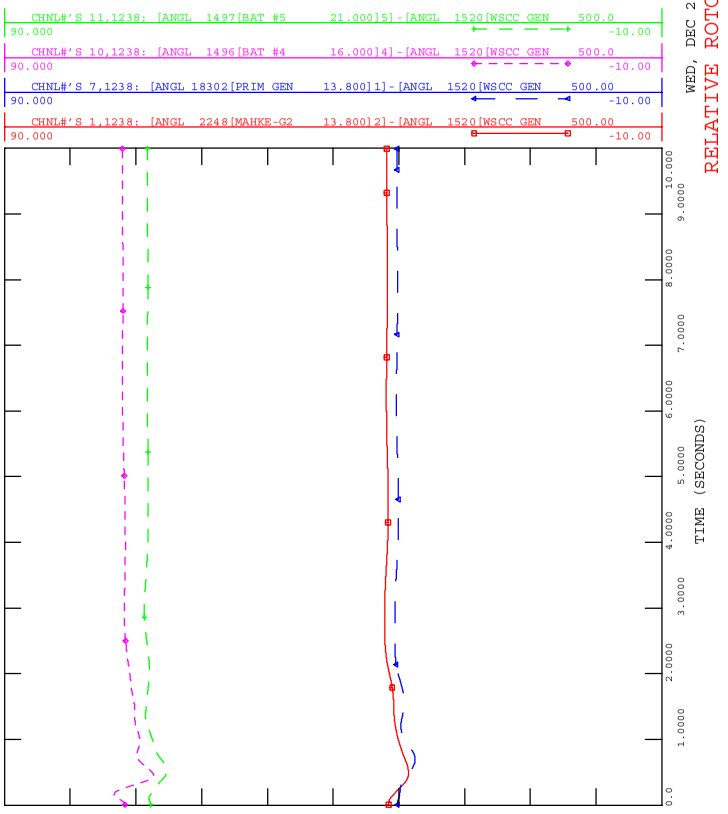
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

RELATIVE ROTOR ANGLES

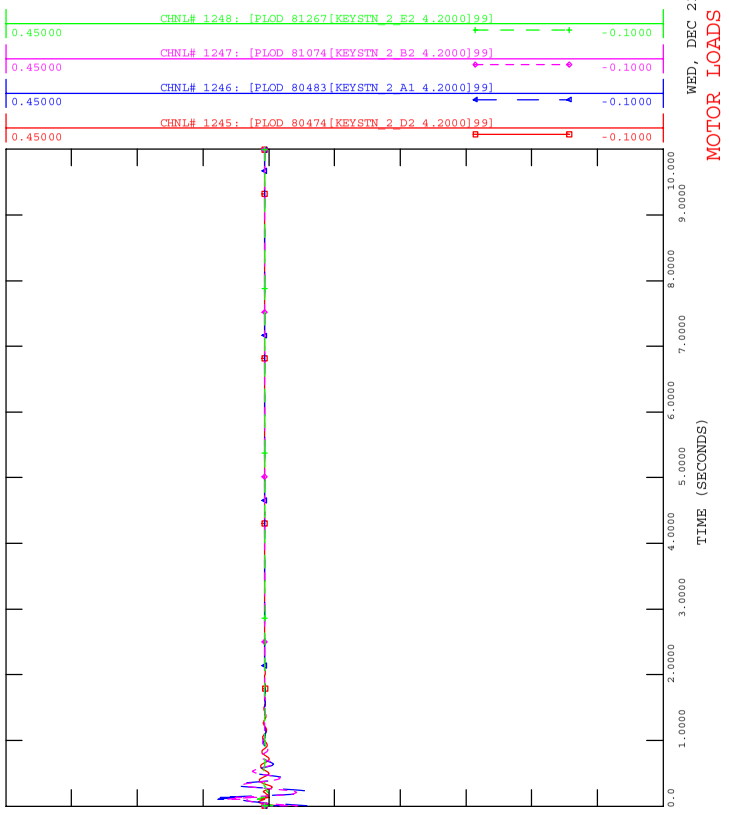


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

MOTOR LOADS GROUP II

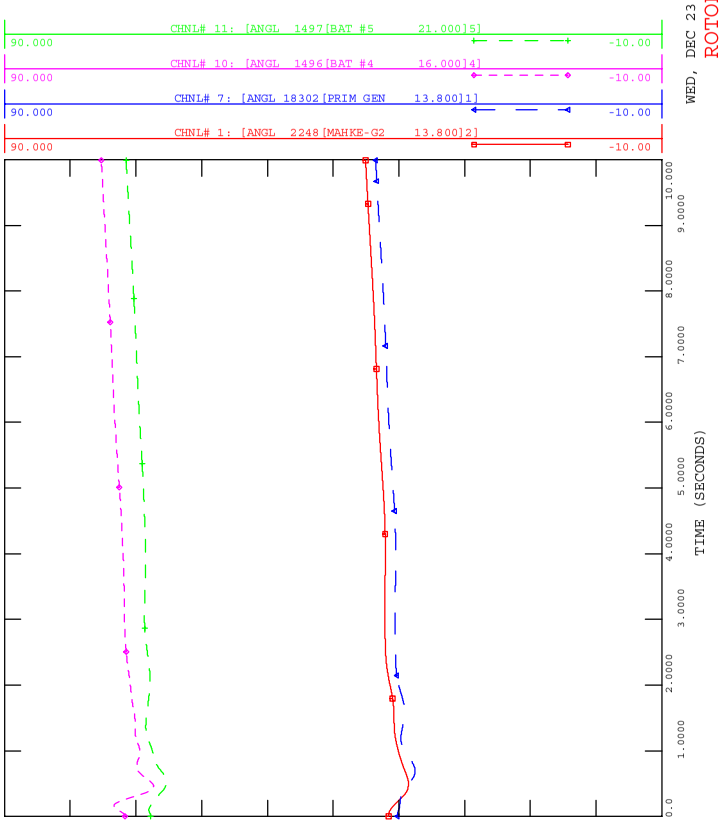


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

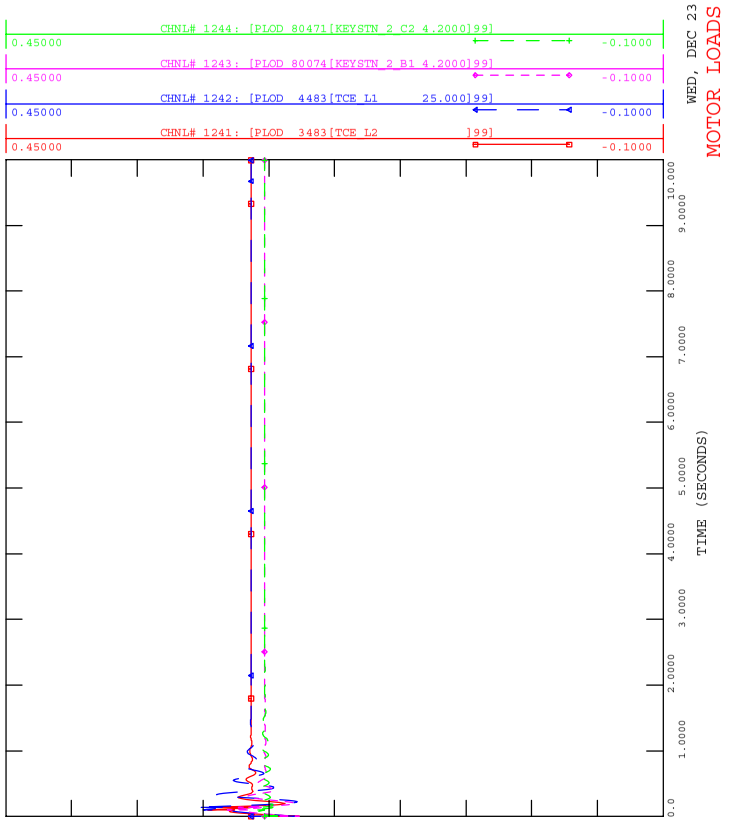


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

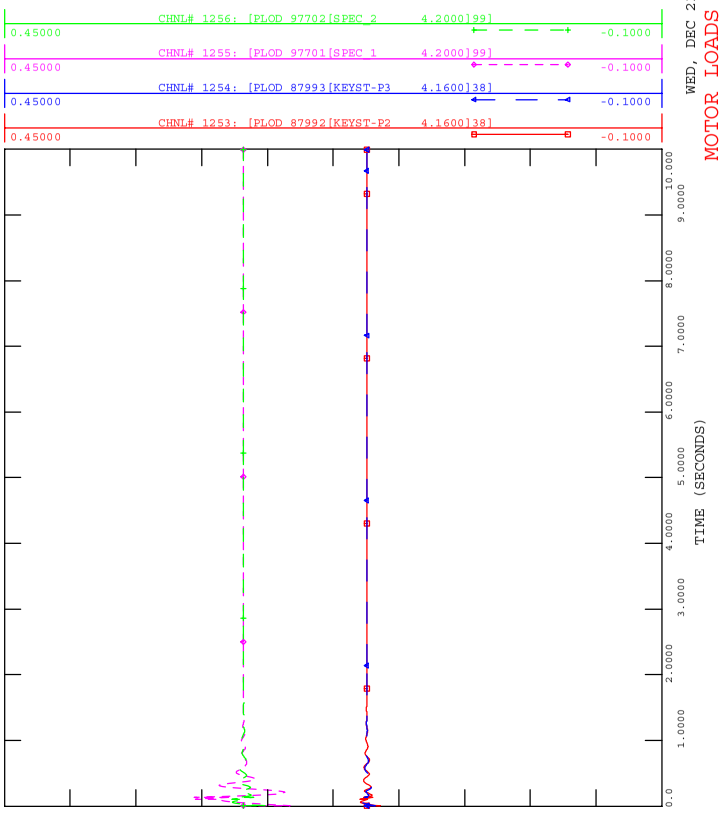
WED, DEC 23 2009 15:50

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out

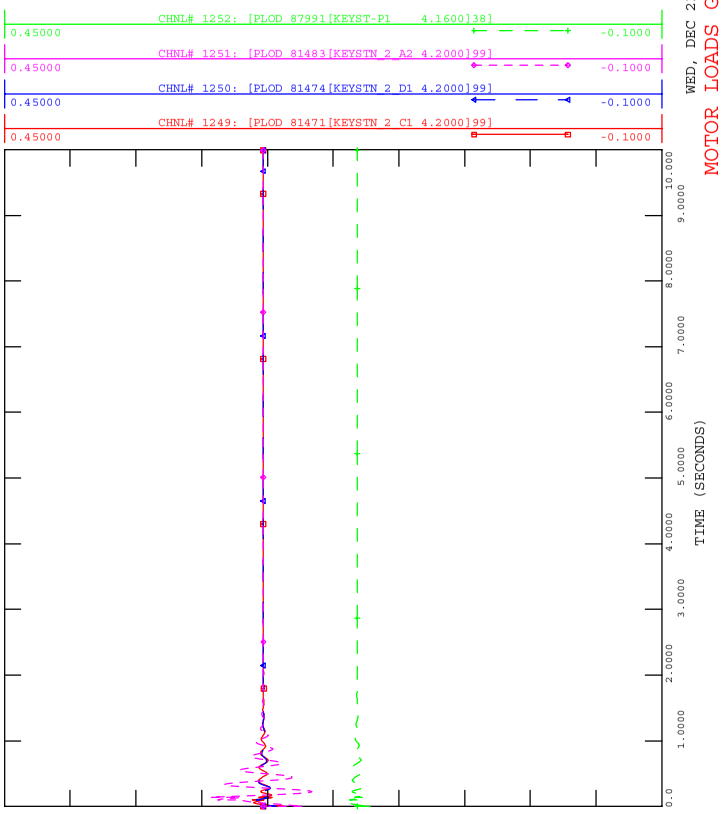


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B4fault.out



WED, DEC 23 2009 15:50

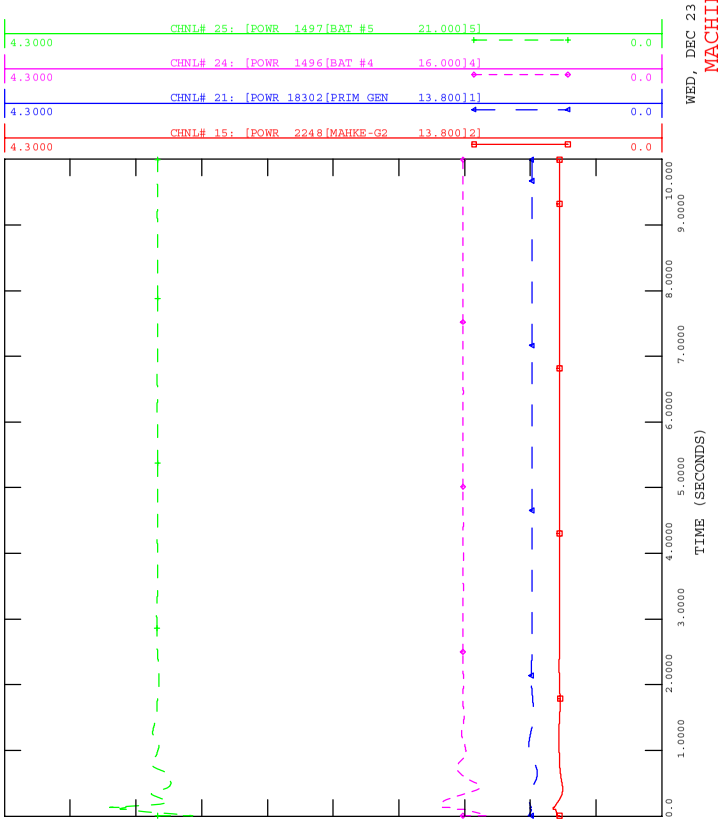
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

MACHINE POWER

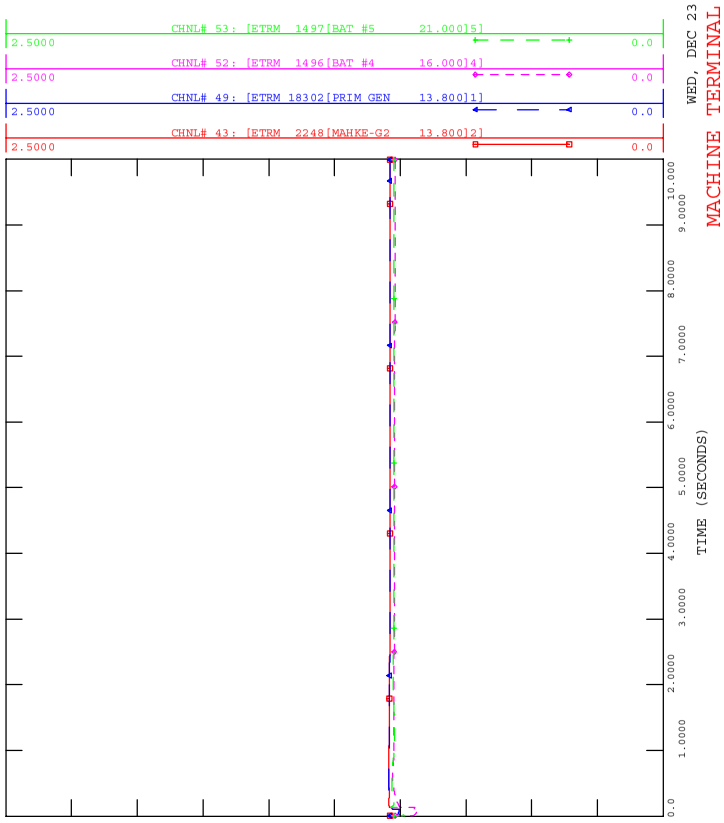


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

MACHINE TERMINAL VOLTAGE

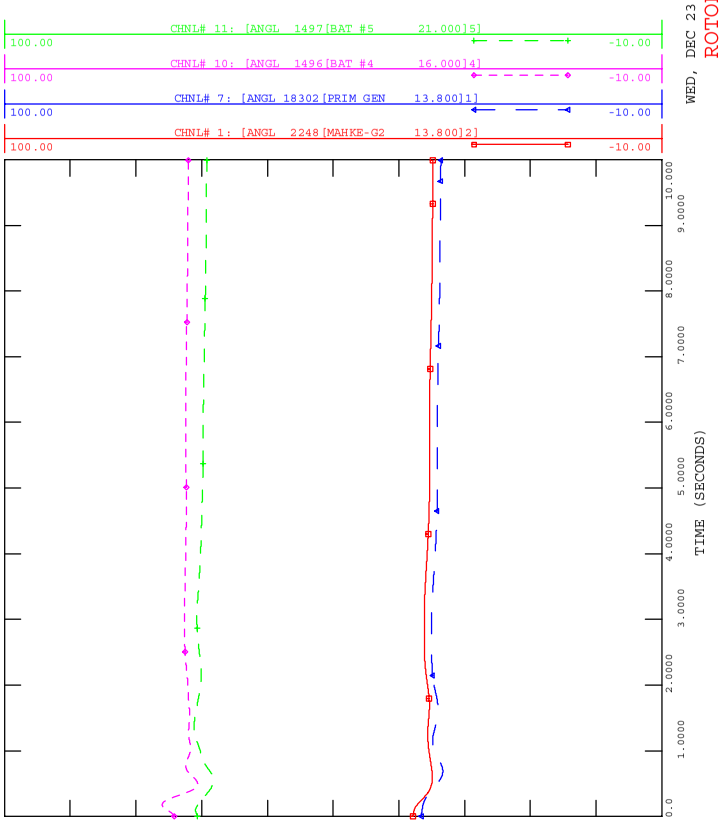


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

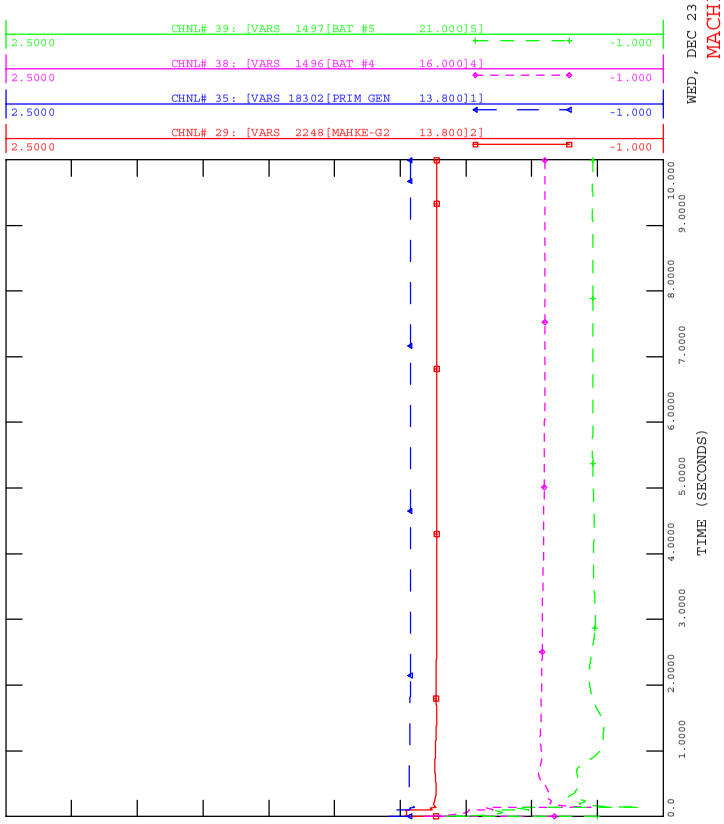


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

MACHINE VARS

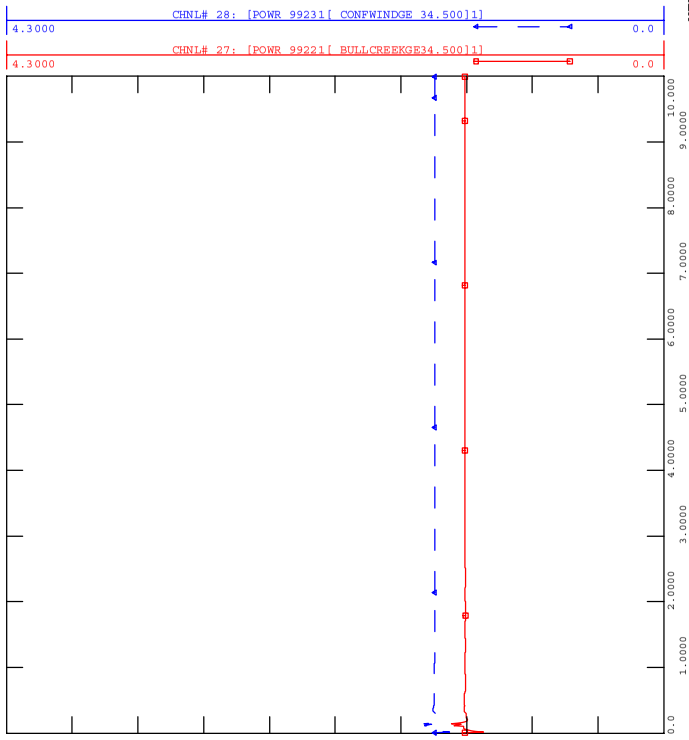


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

WIND MACHINE POWER

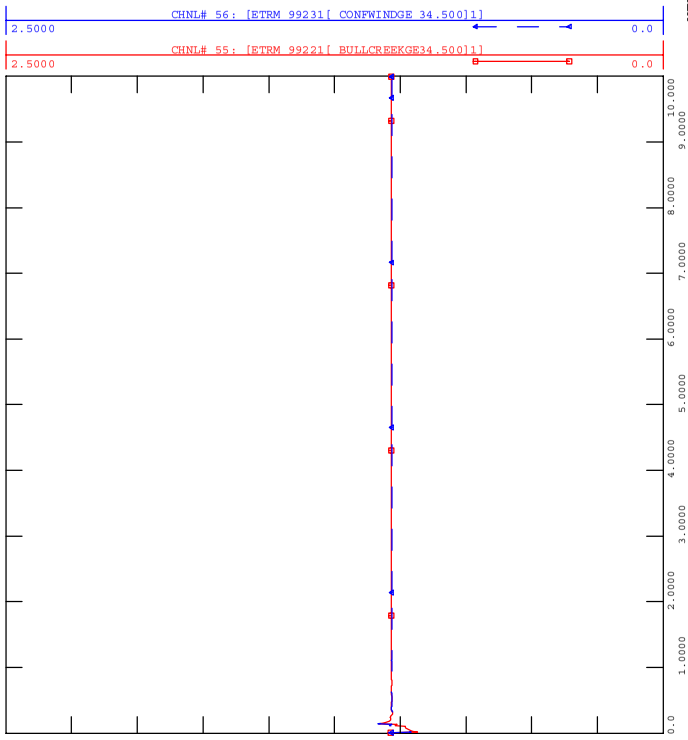


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

WIND MACH. TERMINAL VOLTS

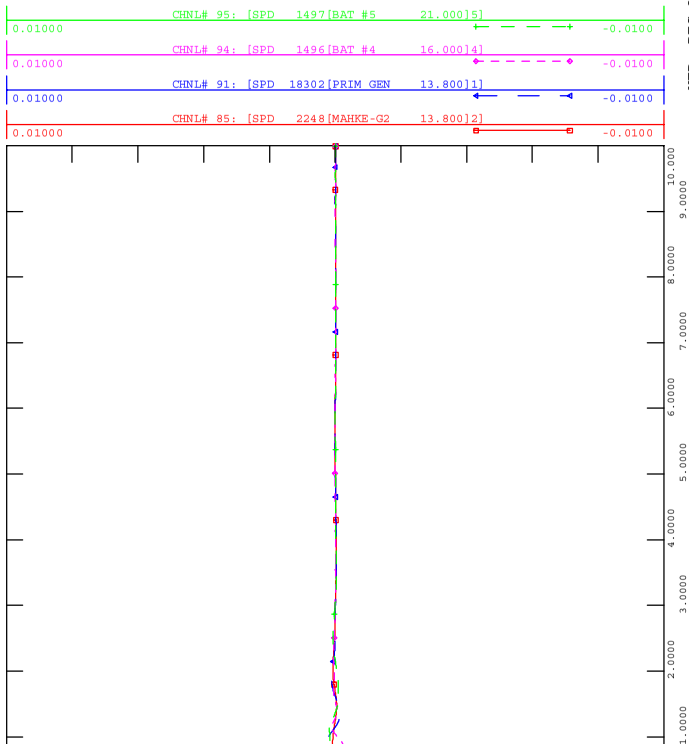


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

MACHINE SPEED

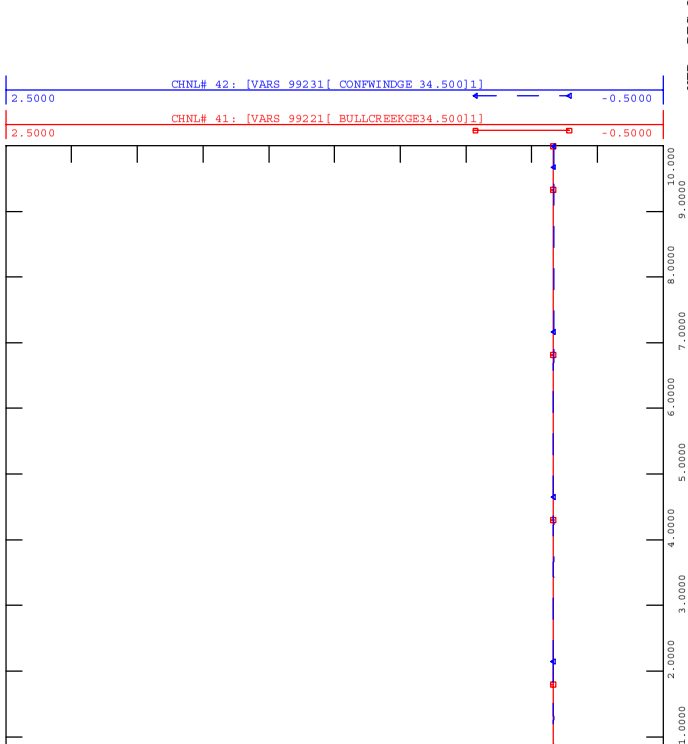


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

WIND MACHINE VARS

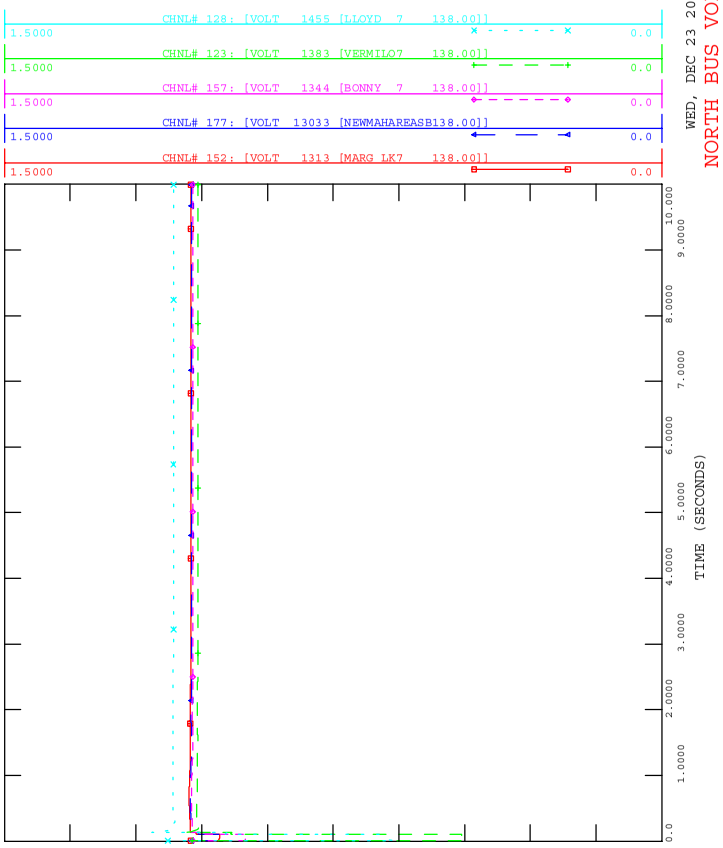


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

NORTH BUS VOLTAGES

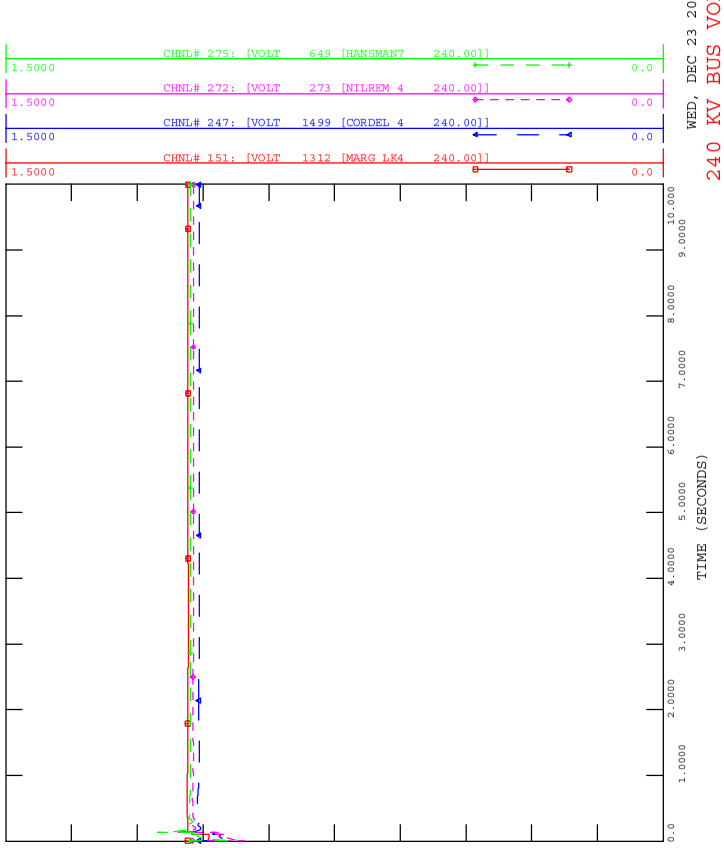


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

240 KV BUS VOLTAGES

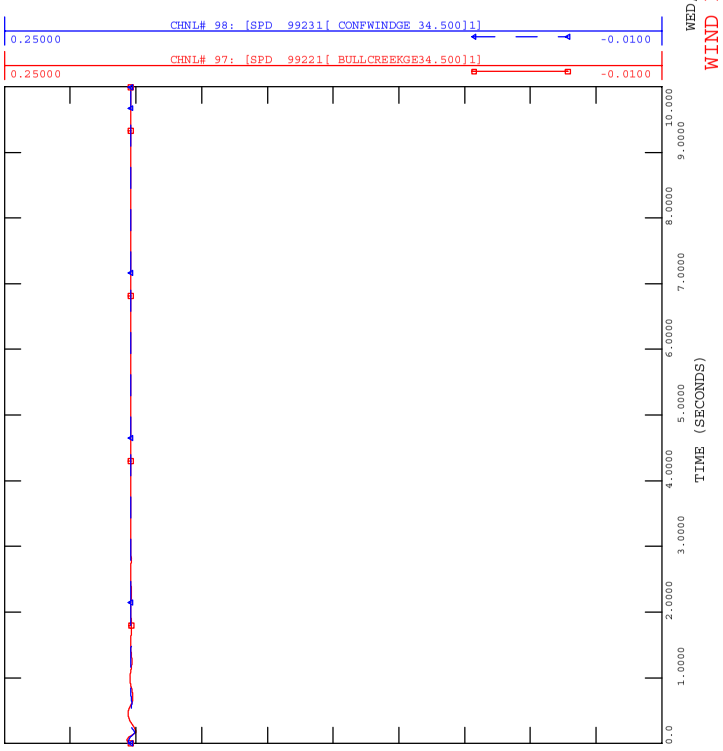


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

WIND MACHINE SPEED

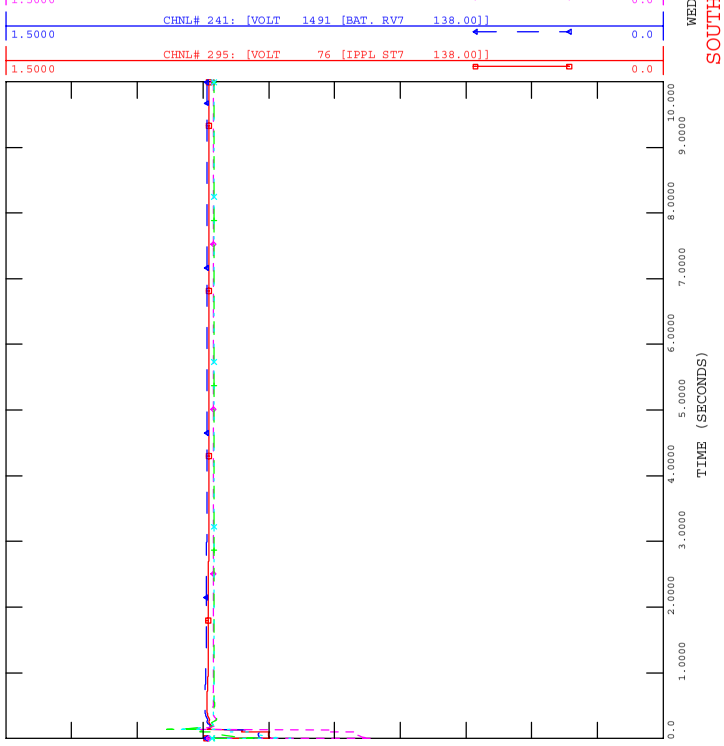


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

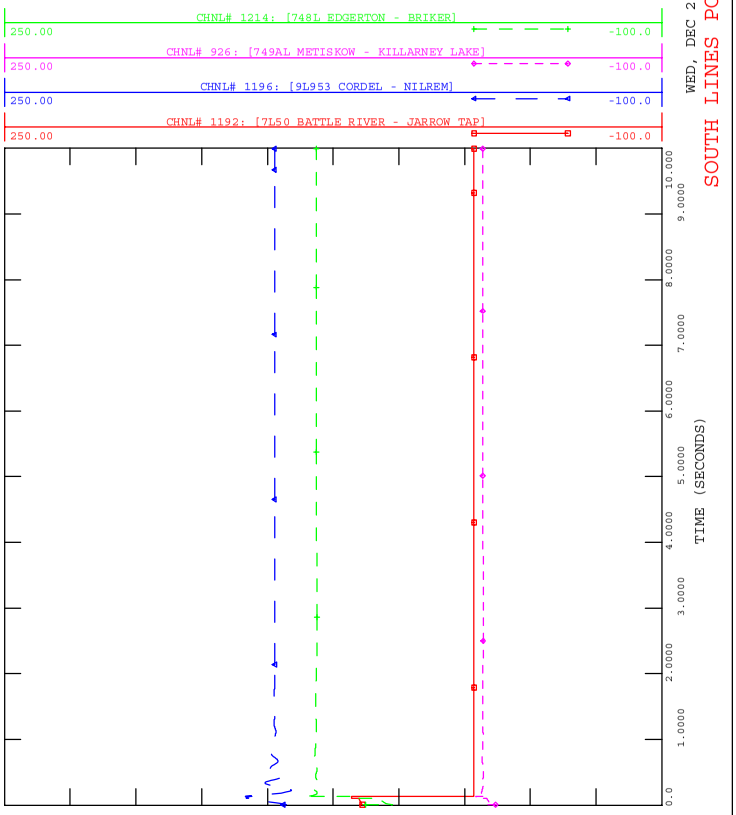
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SOUTH BUS VOLTAGES



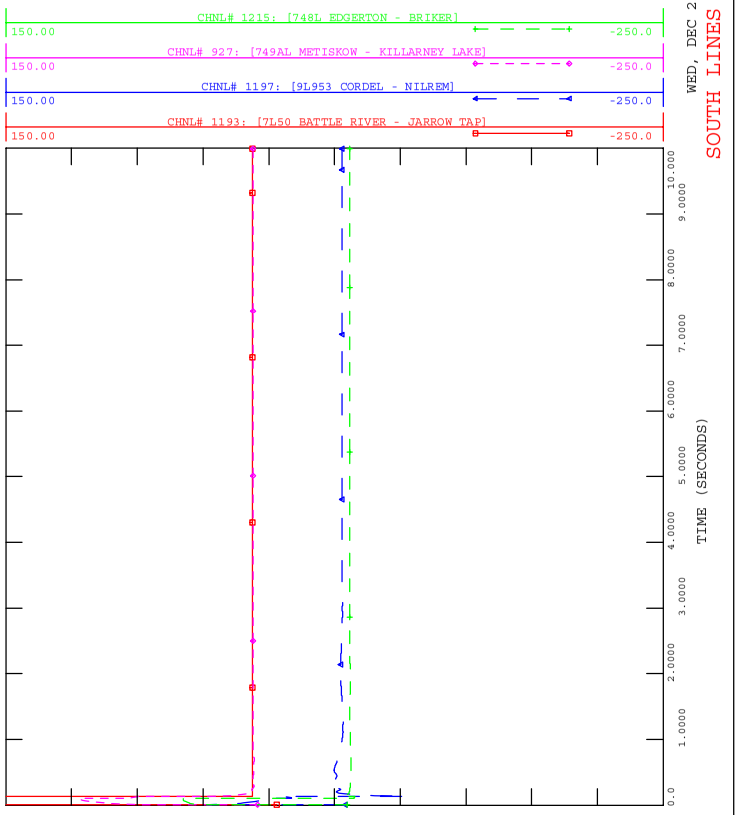
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out



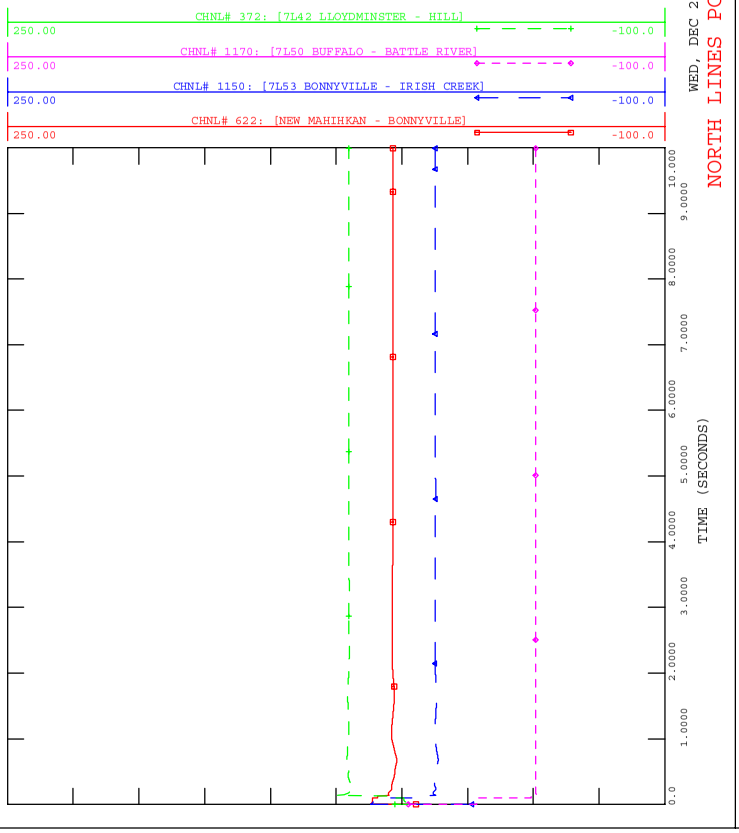
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out



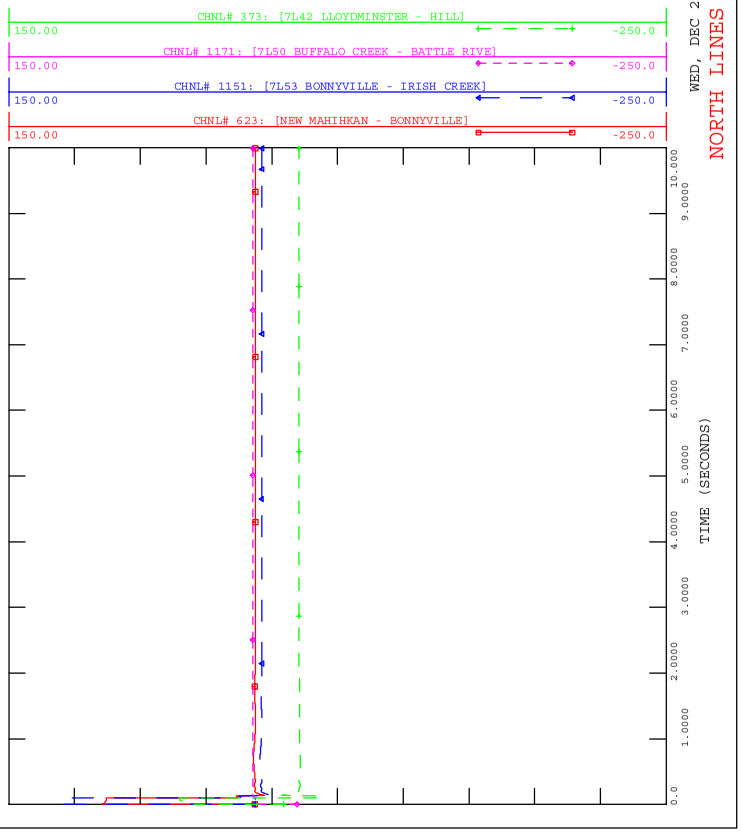
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

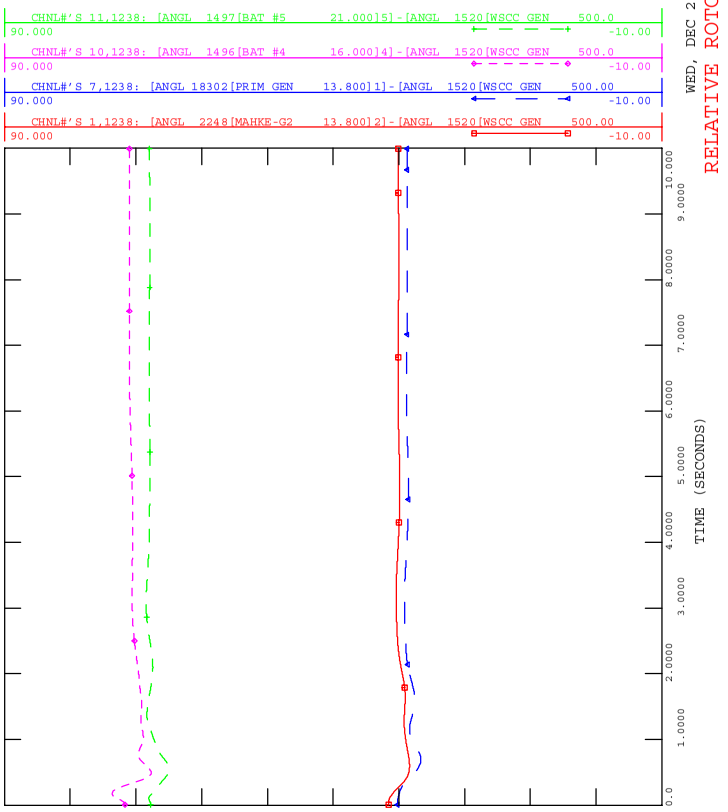


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

RELATIVE ROTOR ANGLES

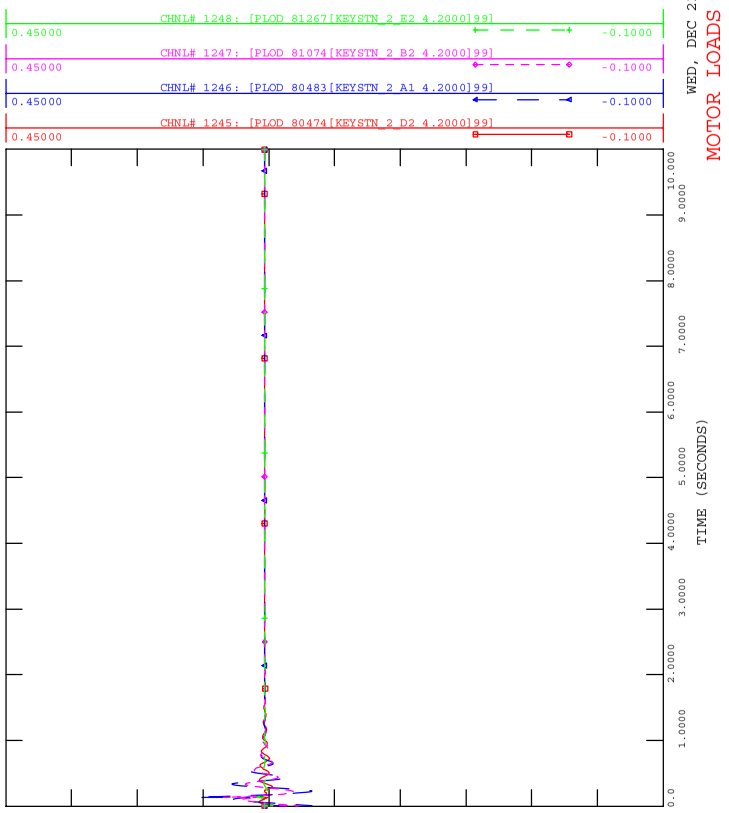


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

MOTOR LOADS GROUP II

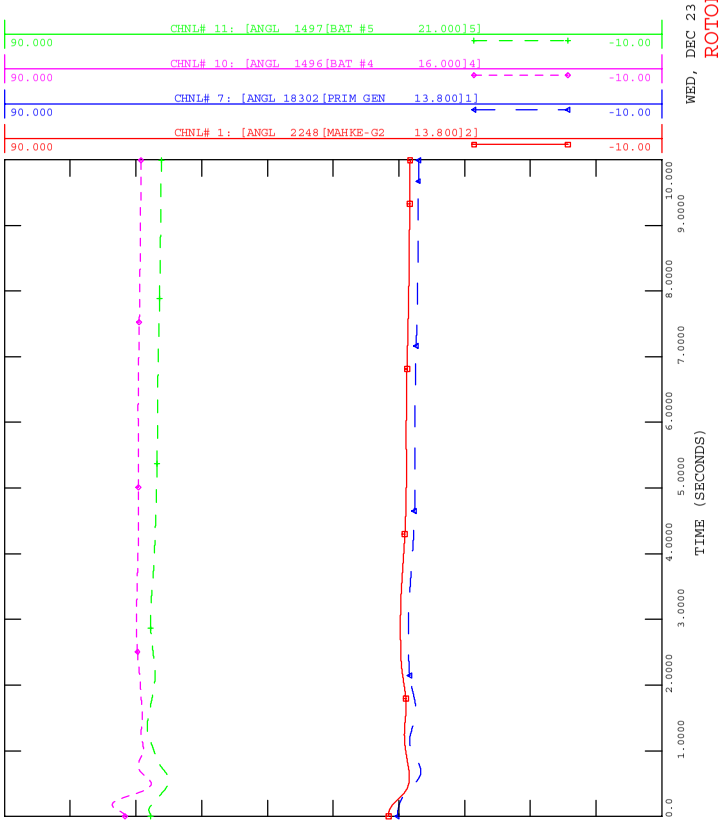


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

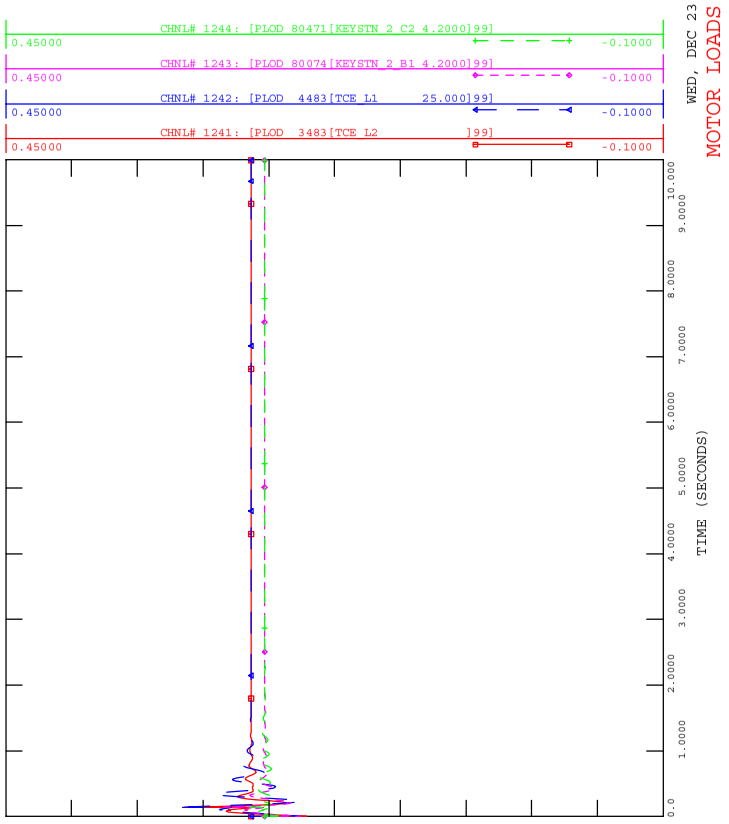


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

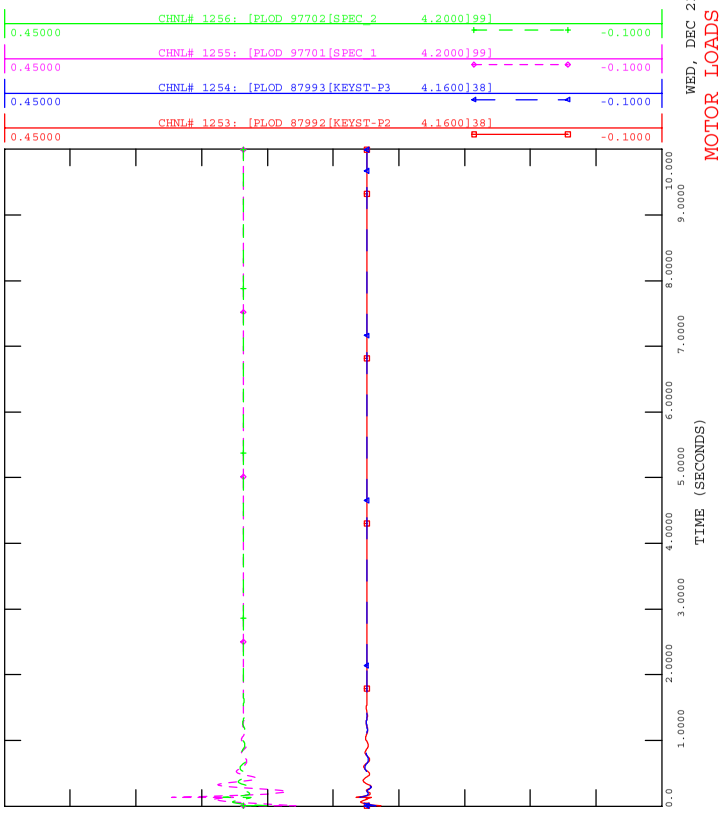
WED, DEC 23 2009 15:50

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out

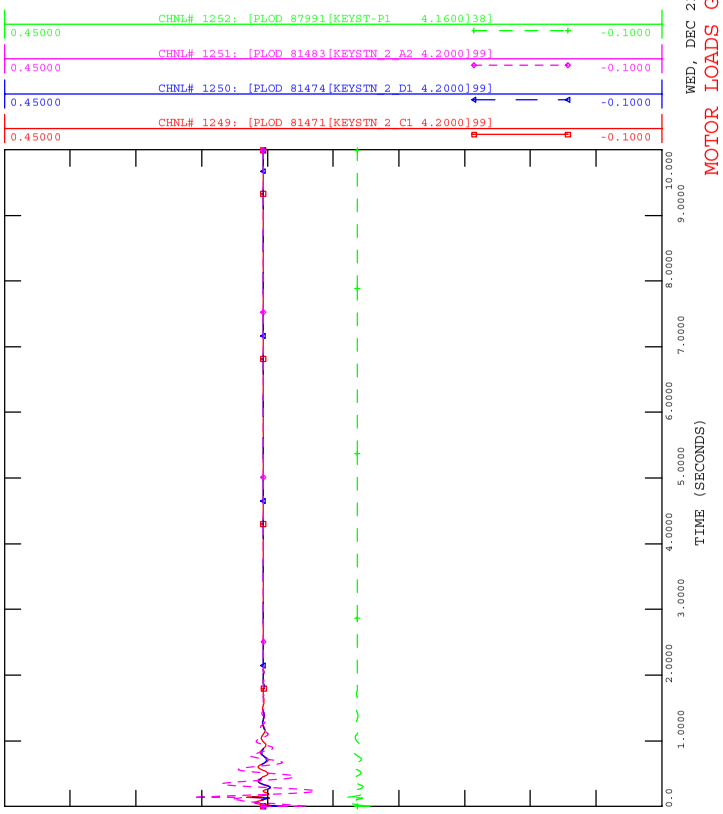


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B5fault.out



WED, DEC 23 2009 15:50

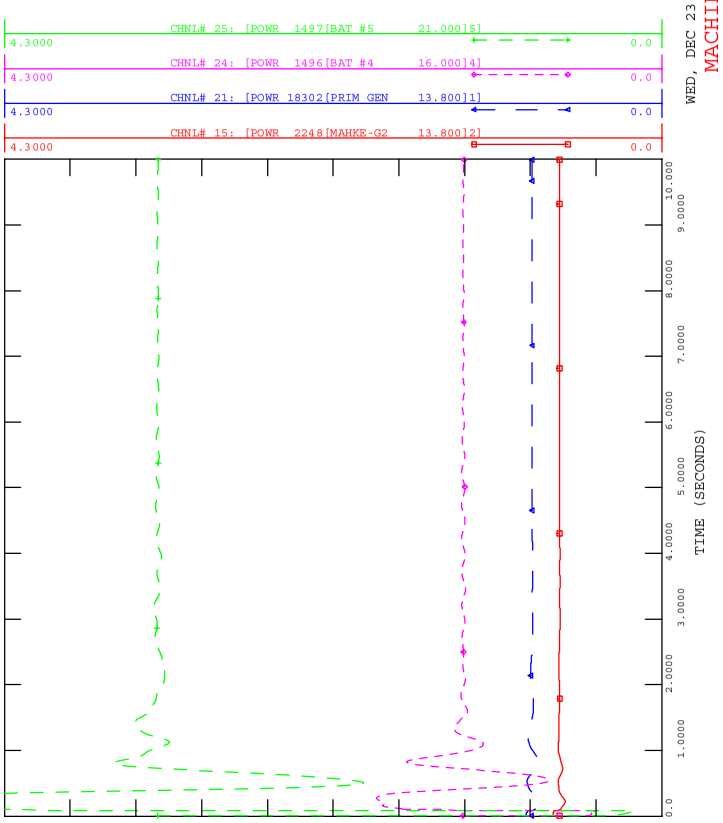
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

MACHINE POWER

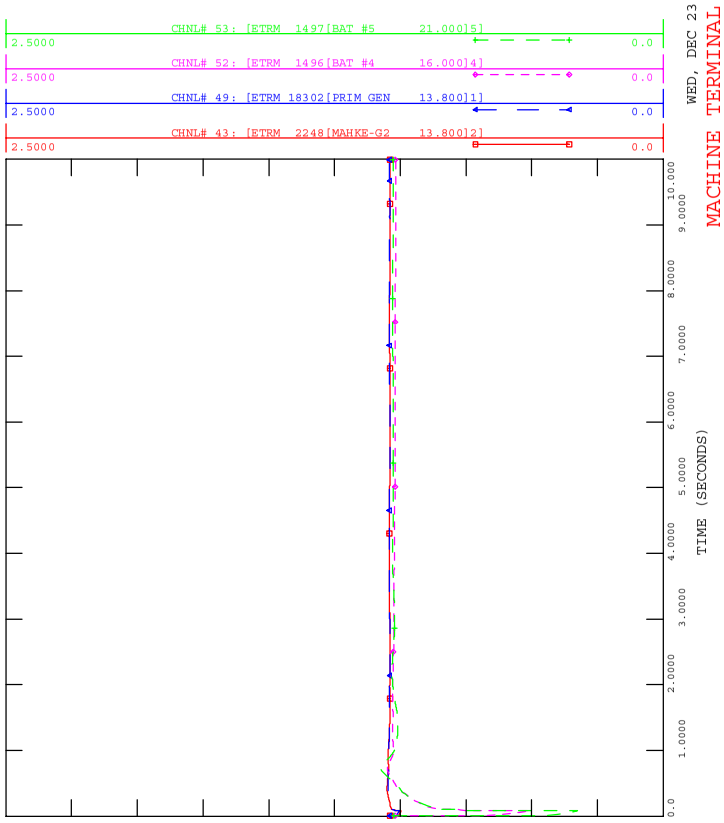


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

MACHINE TERMINAL VOLTAGE

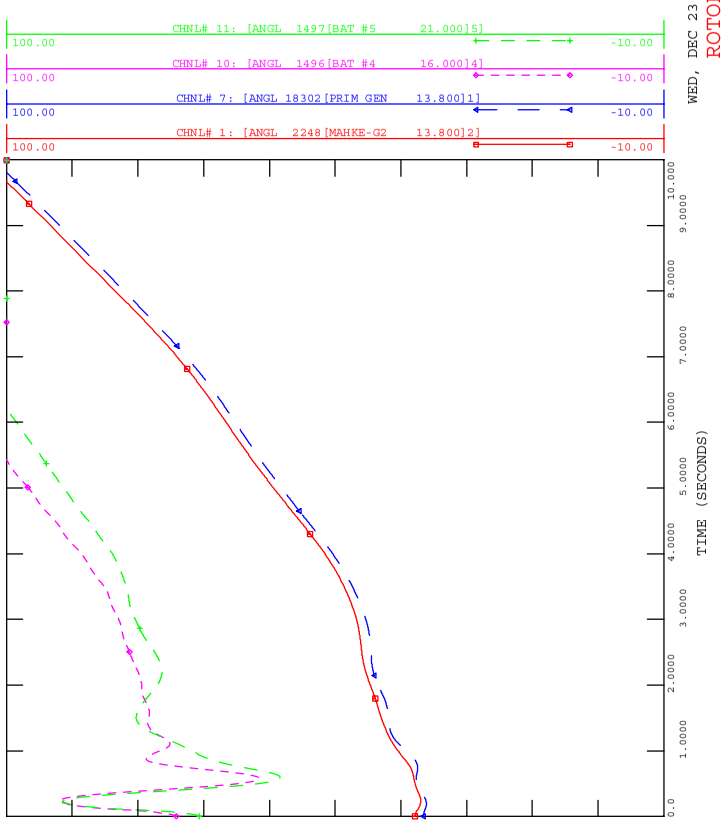


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

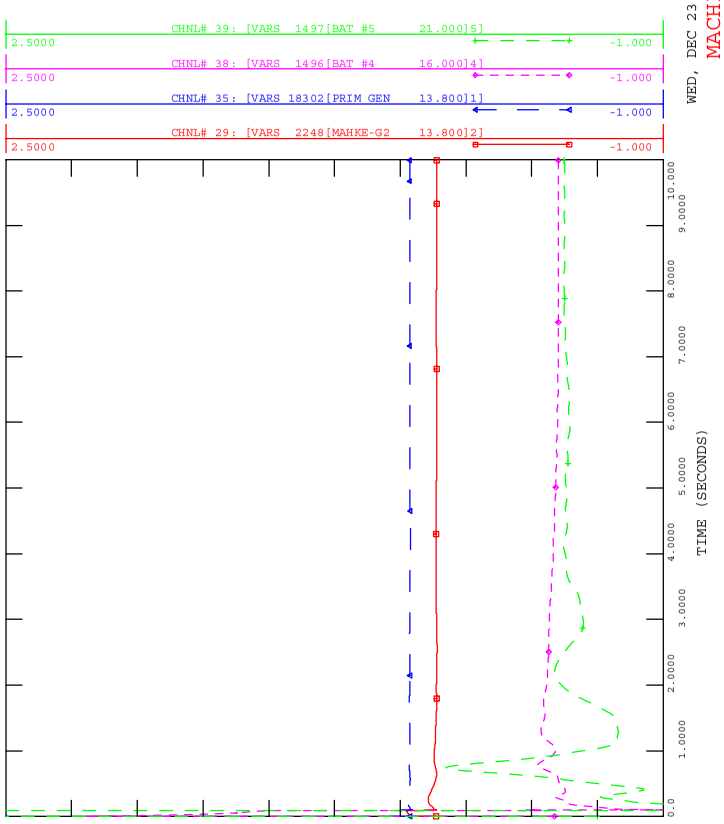


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

MACHINE VARS

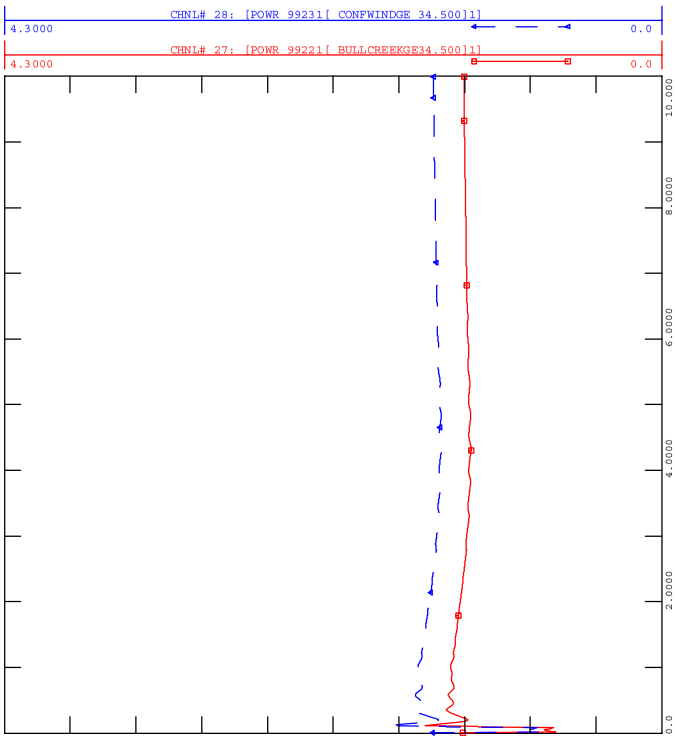


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

WIND MACHINE POWER

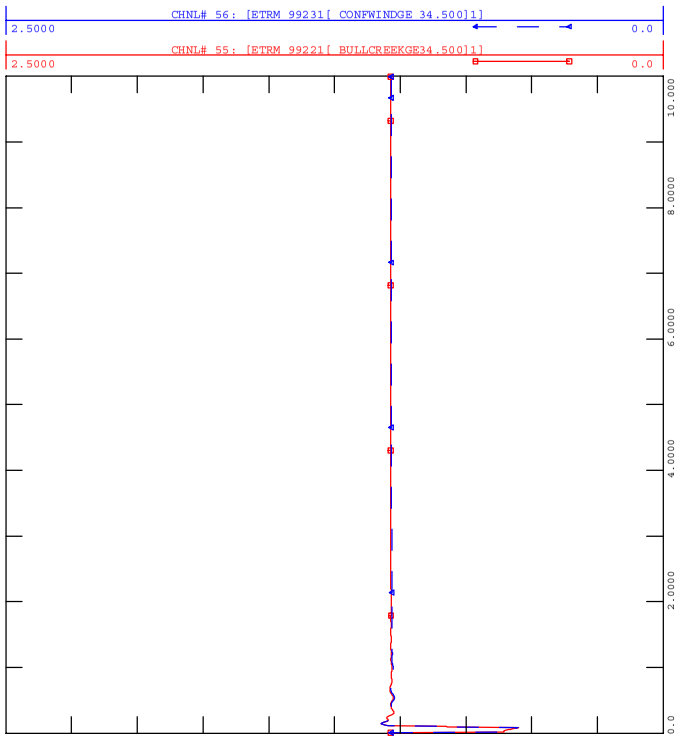


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

WIND MACH. TERMINAL VOLTS

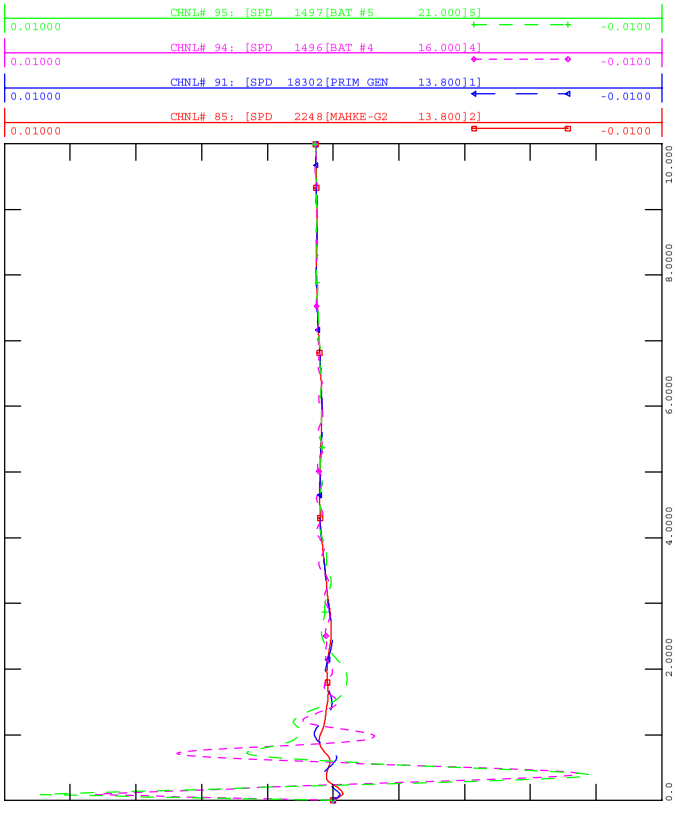


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

MACHINE SPEED

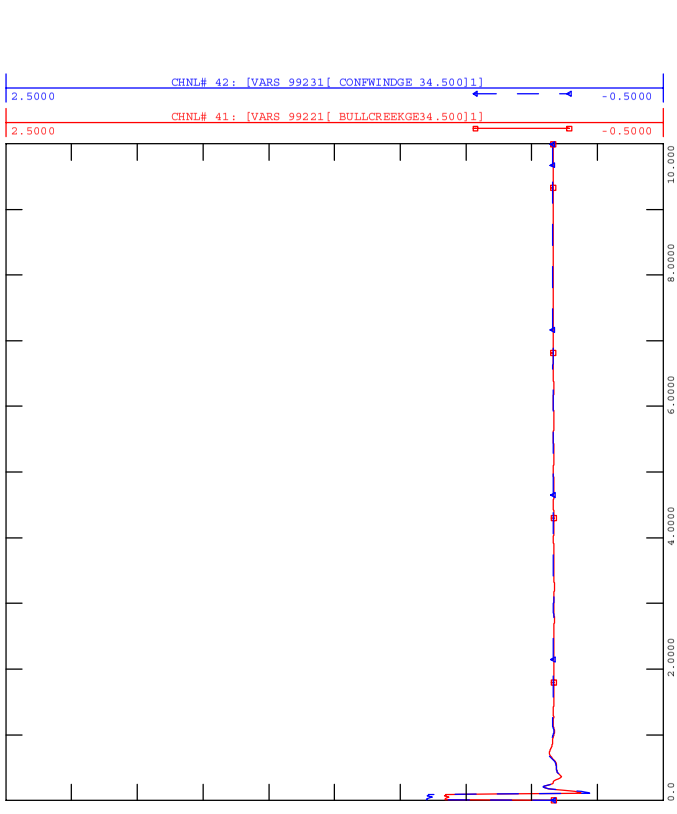


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

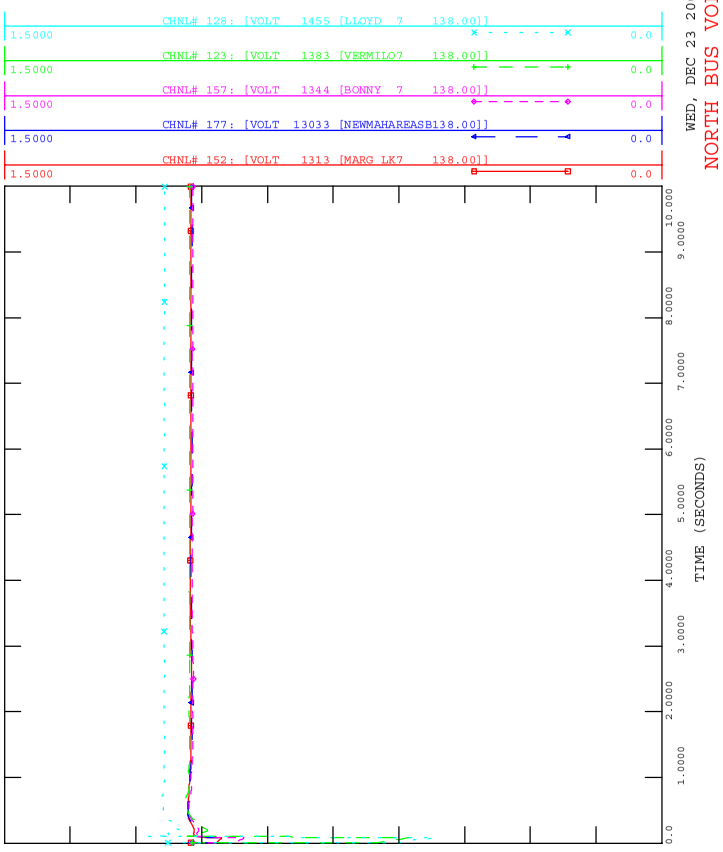
WED, DEC 23 2009 15:50

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

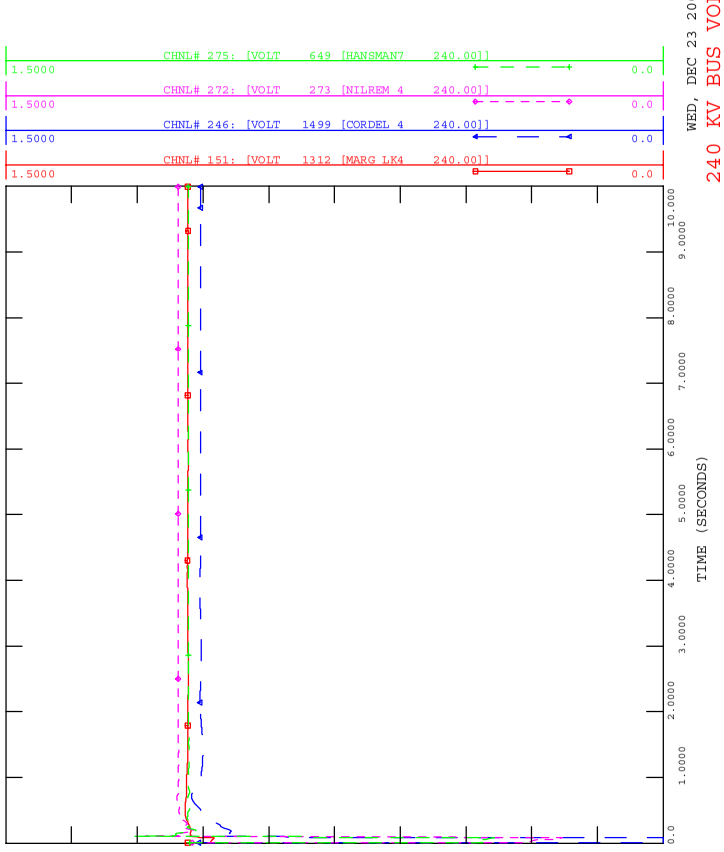


WED, DEC 23 2009 15:50

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

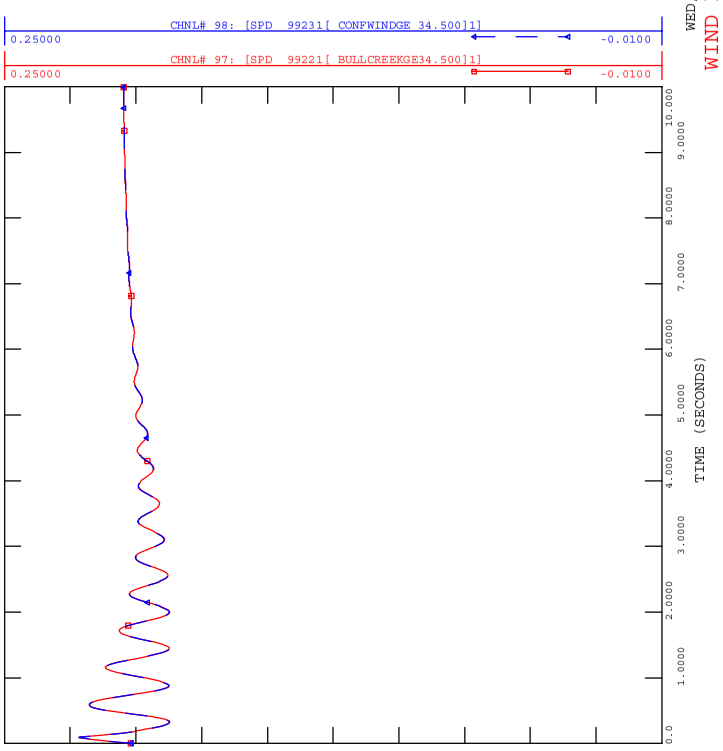


WED, DEC 23 2009 15:50

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

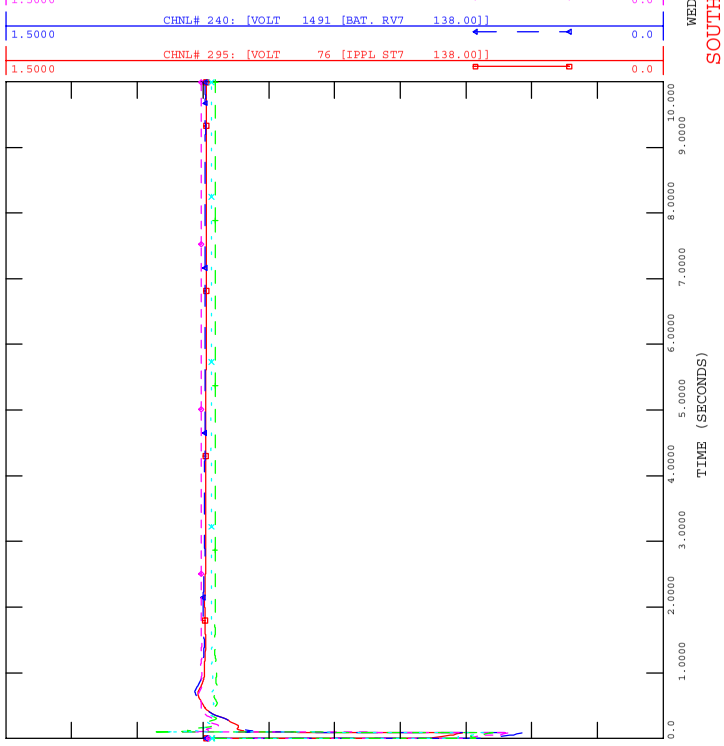


WED, DEC 23 2009 15:50

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out



WED, DEC 23 2009 15:50

SOUTH BUS VOLTAGES

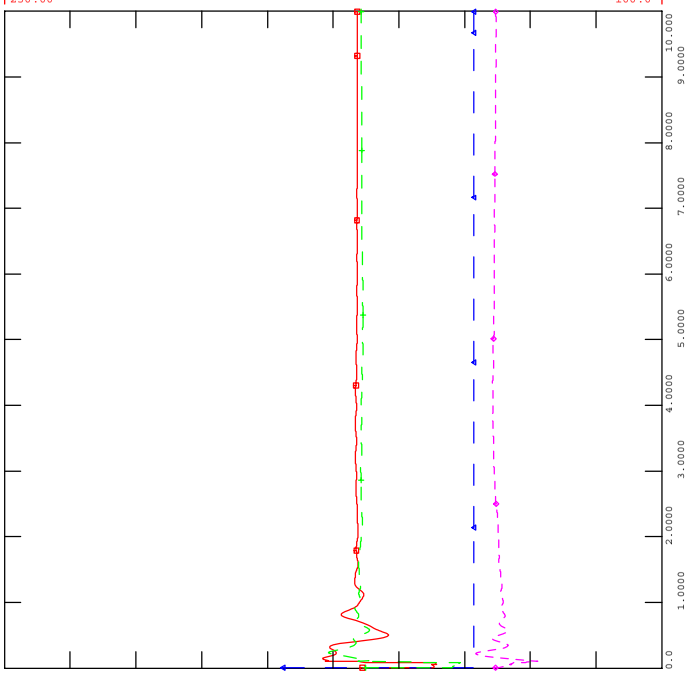
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

SOUTH LINES POWER FLOW

CHNL# 1214: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 926: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1202: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1192: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



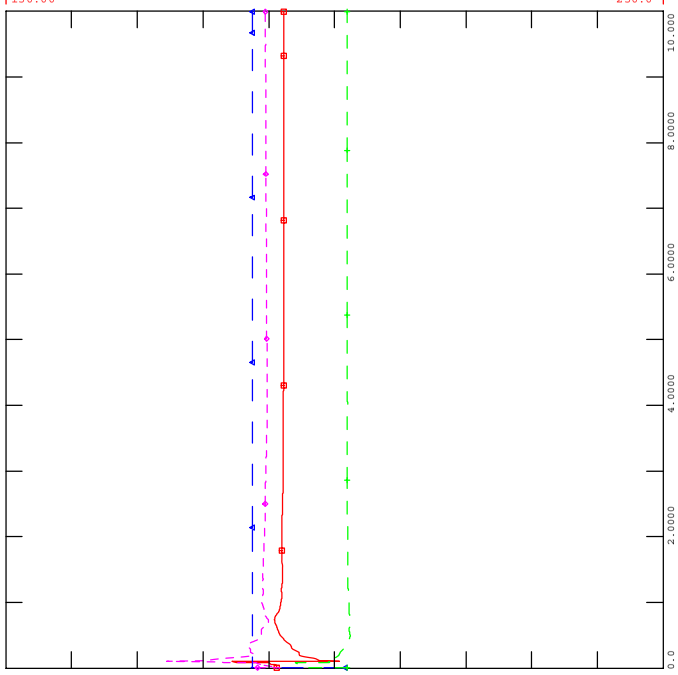
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

SOUTH LINES VAR FLOW

CHNL# 1215: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 927: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1203: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1193: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



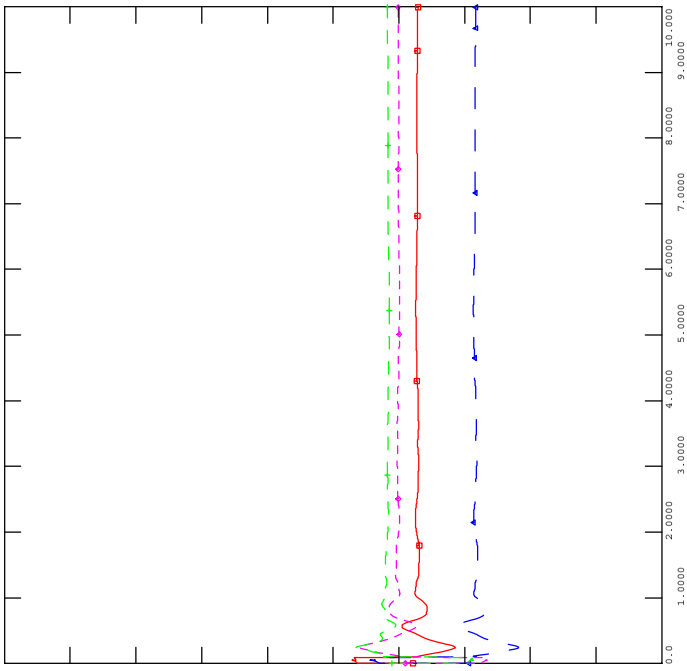
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

NORTH LINES POWER FLOW

CHNL# 372: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1170: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1150: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 622: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



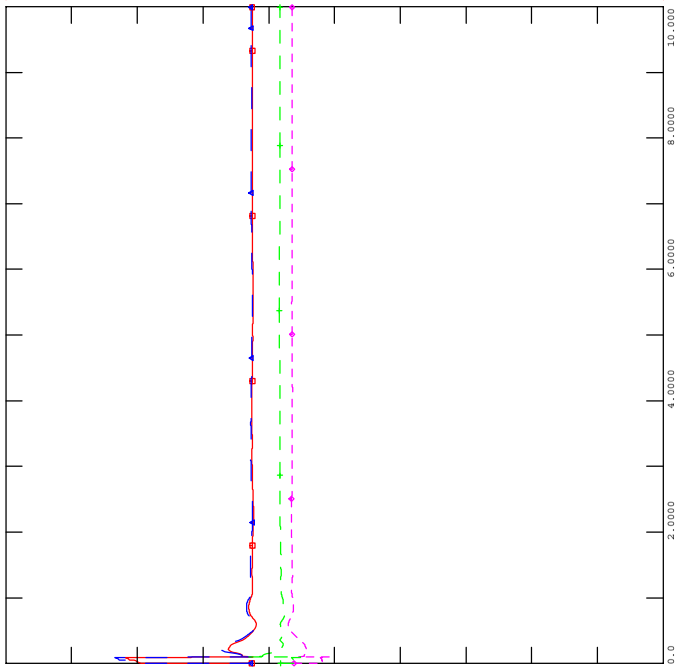
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

WED, DEC 23 2009 15:50

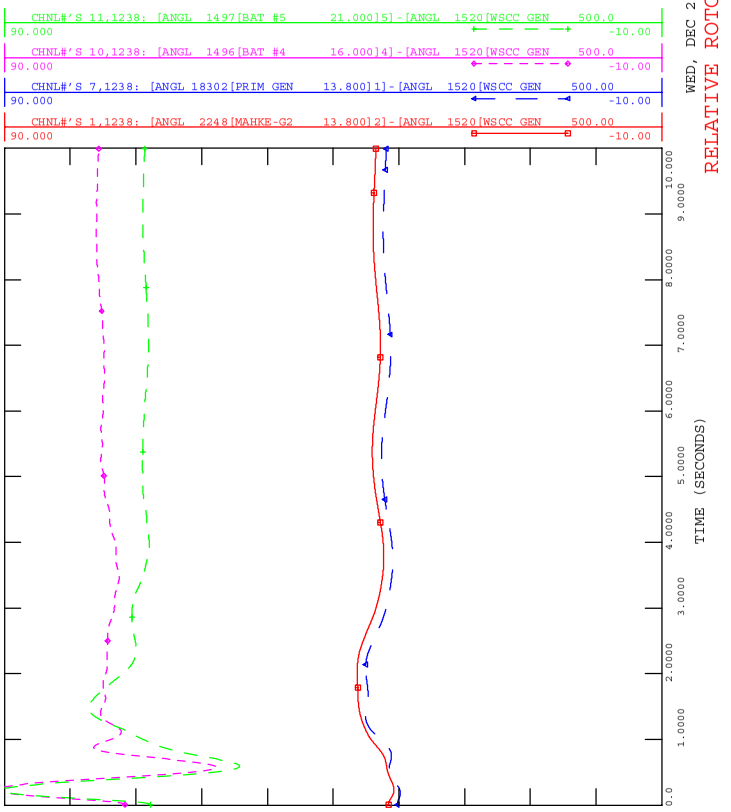
NORTH LINES VAR FLOW

CHNL# 373: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1171: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1151: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 623: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

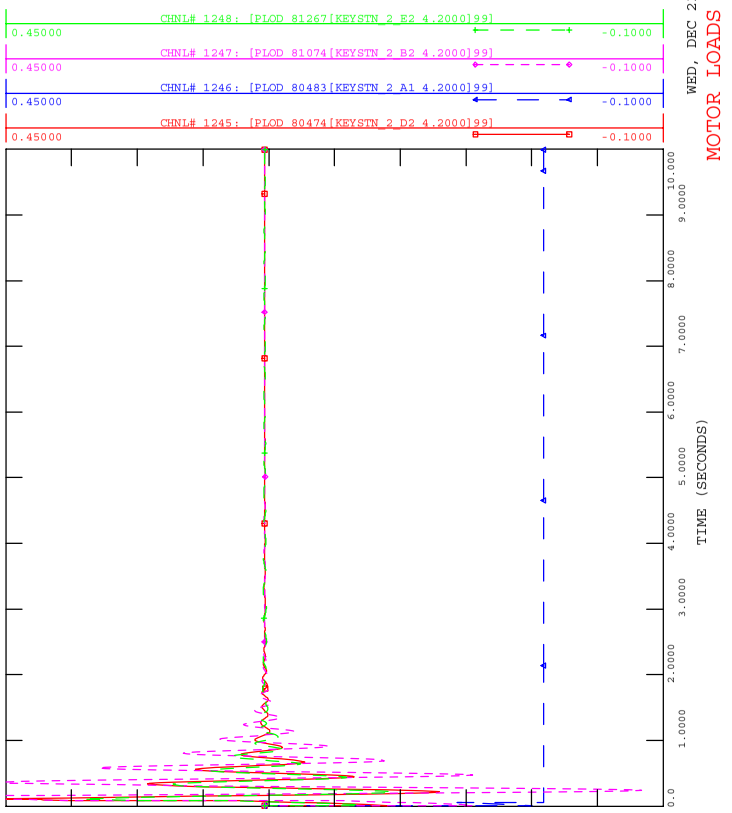


WED, DEC 23 2009 15:50

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

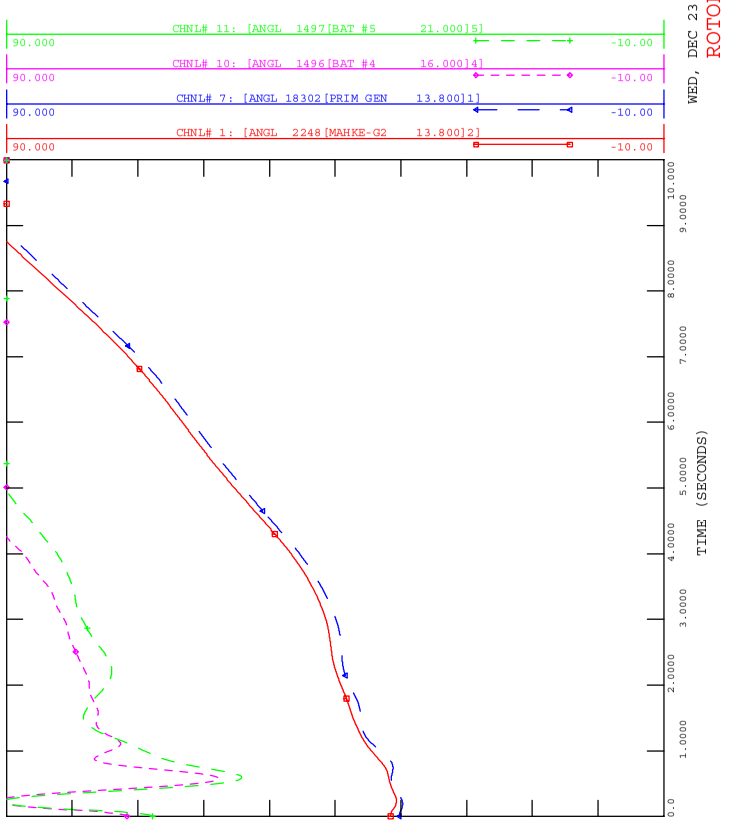


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

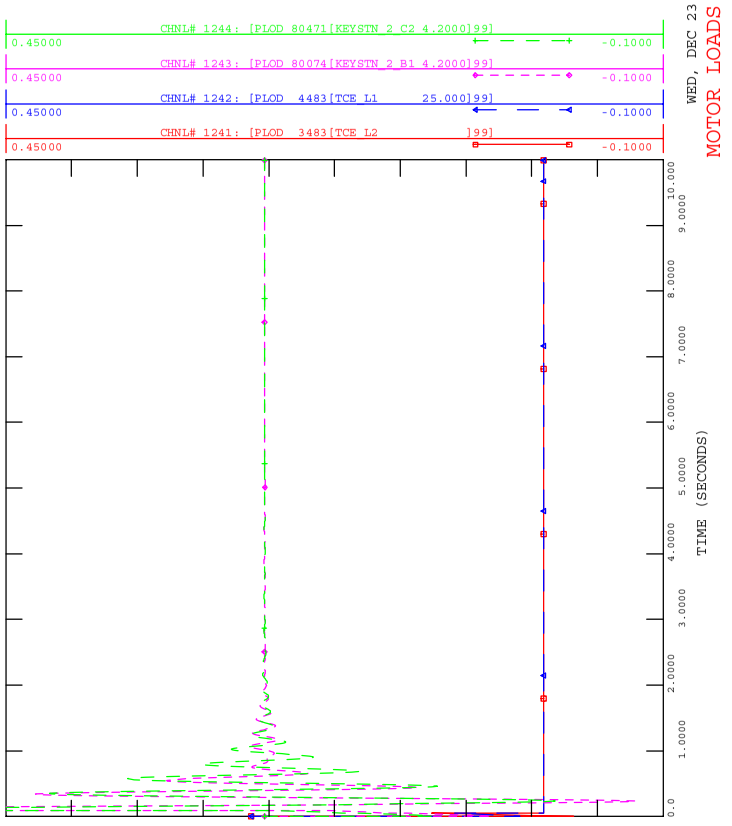


WED, DEC 23 2009 15:50

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

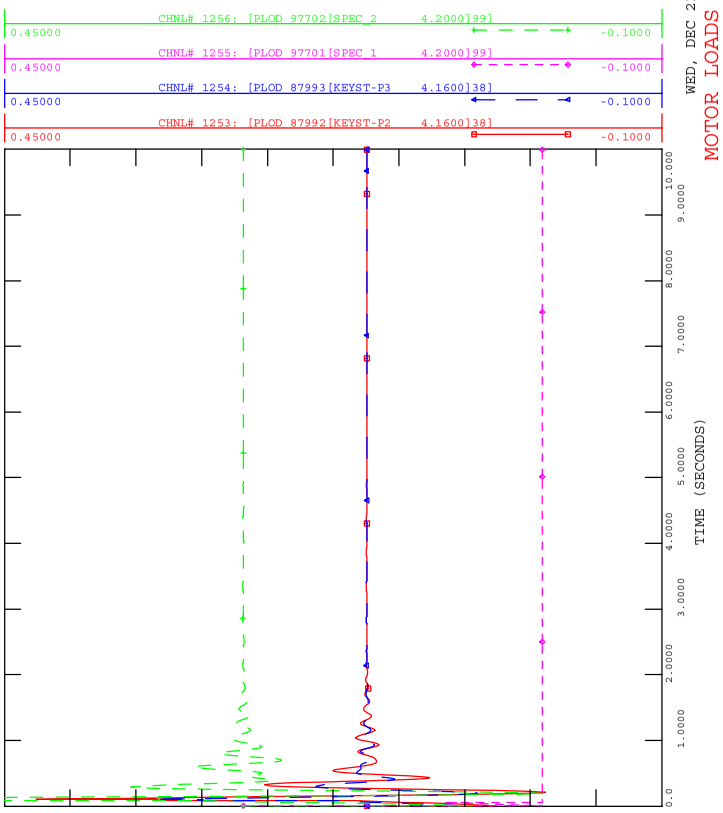


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out

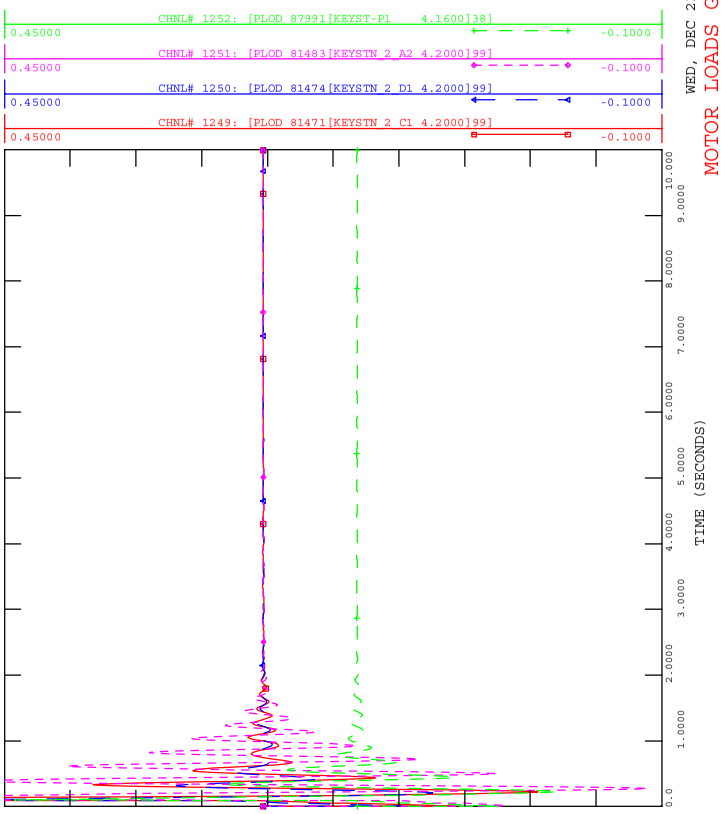


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B6fault.out



WED, DEC 23 2009 15:50

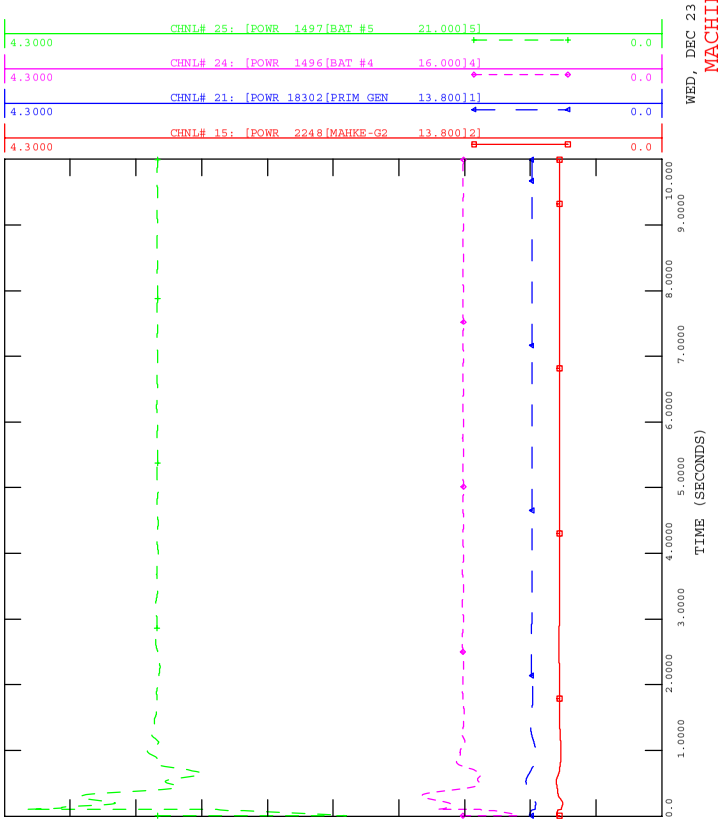
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

MACHINE POWER

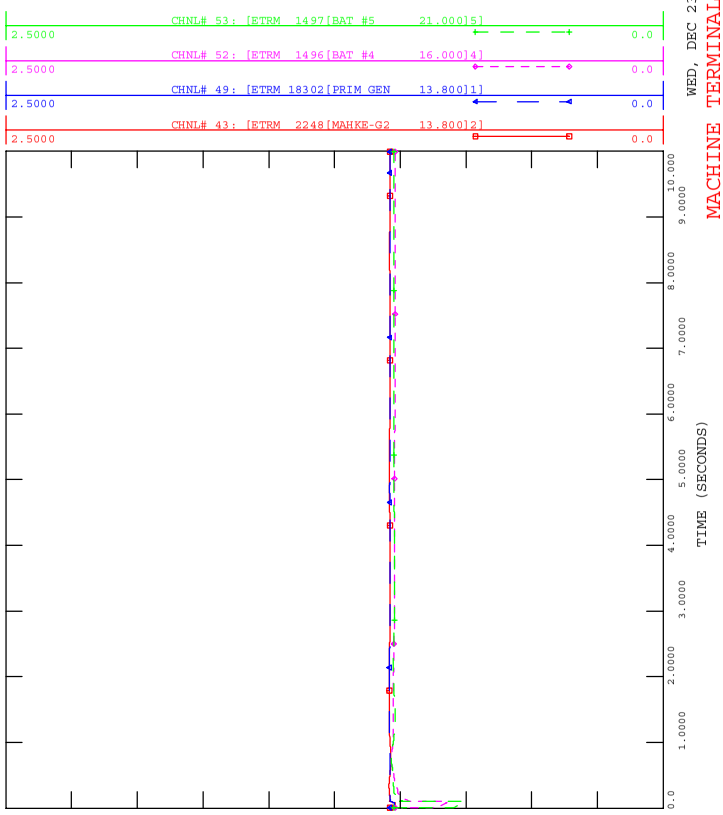


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

MACHINE TERMINAL VOLTAGE

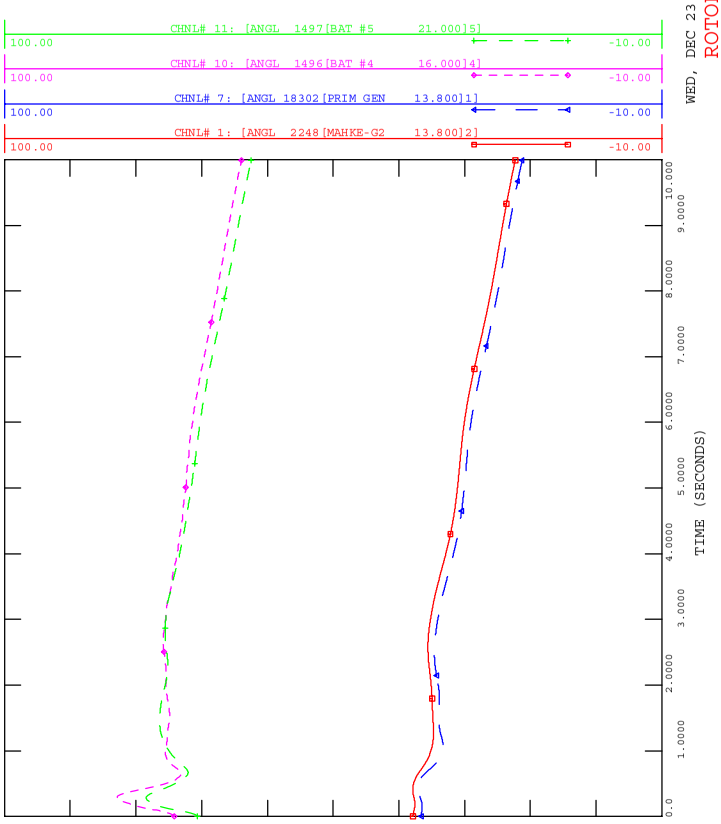


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

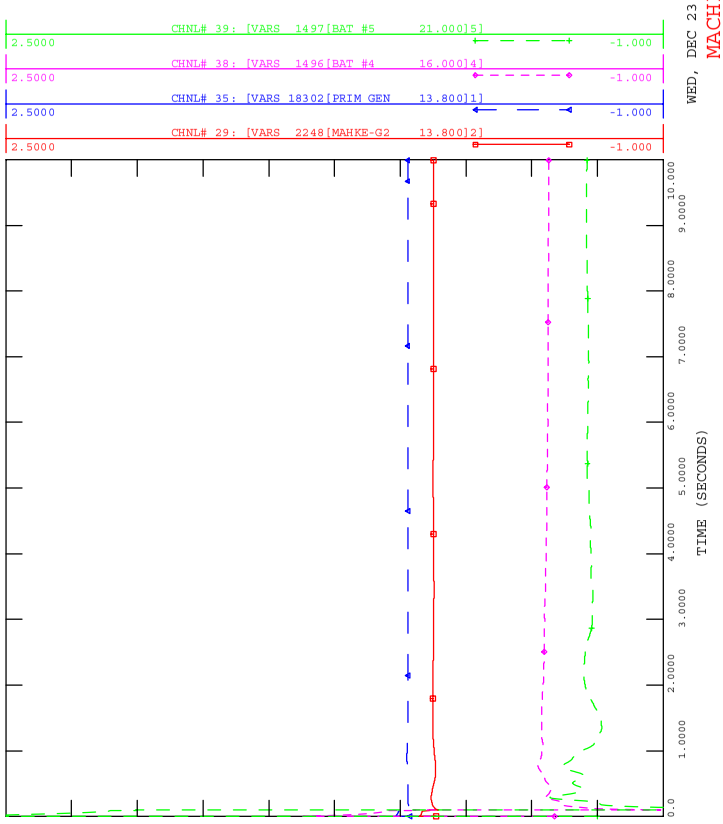


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

MACHINE VARS

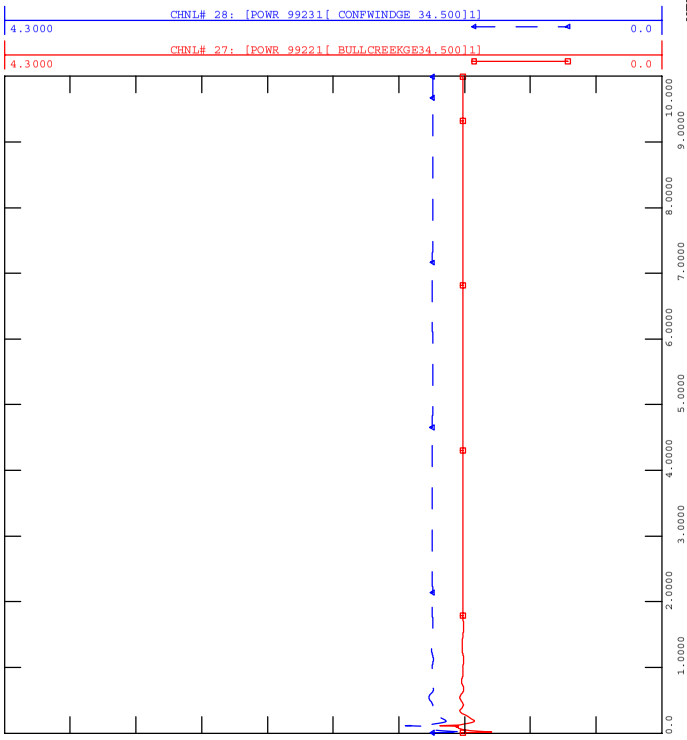


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

WIND MACHINE POWER

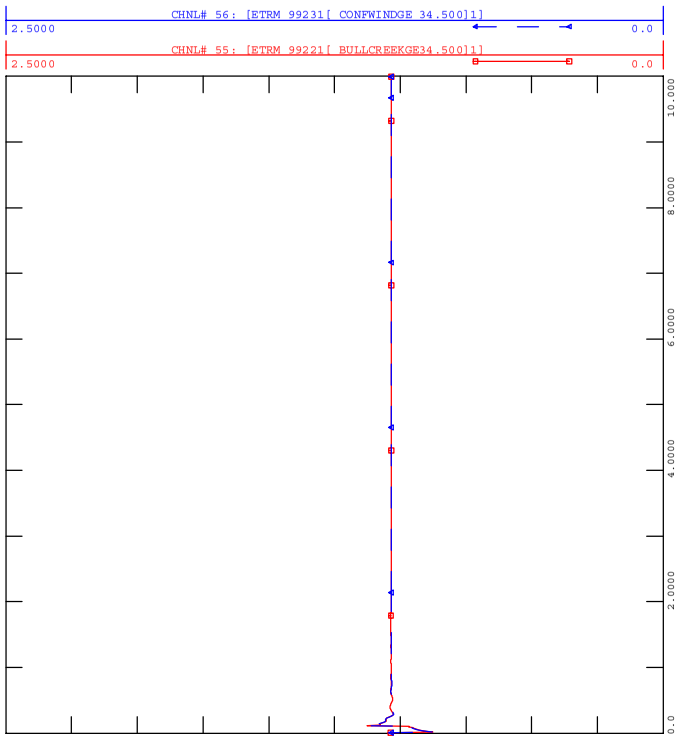


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

WIND MACH. TERMINAL VOLTS

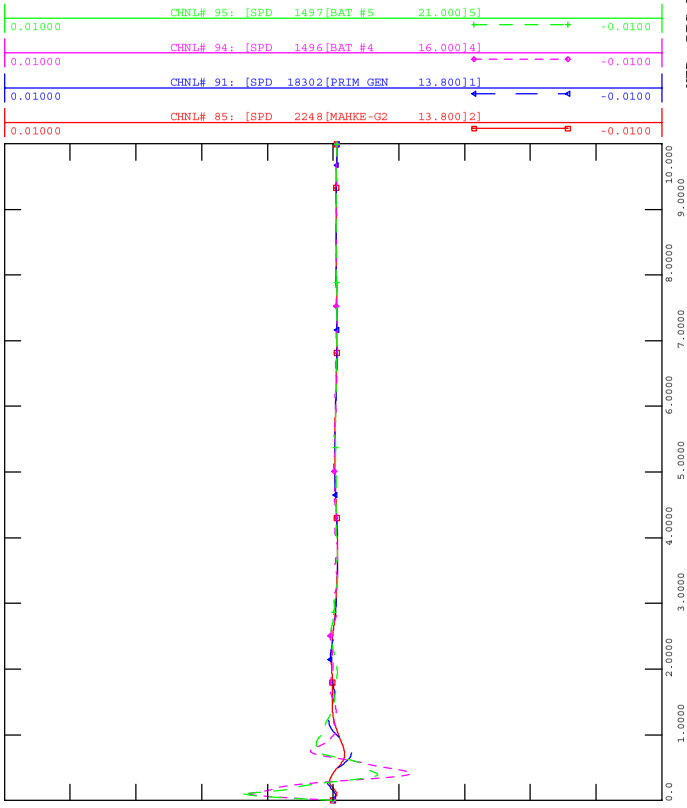


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

MACHINE SPEED

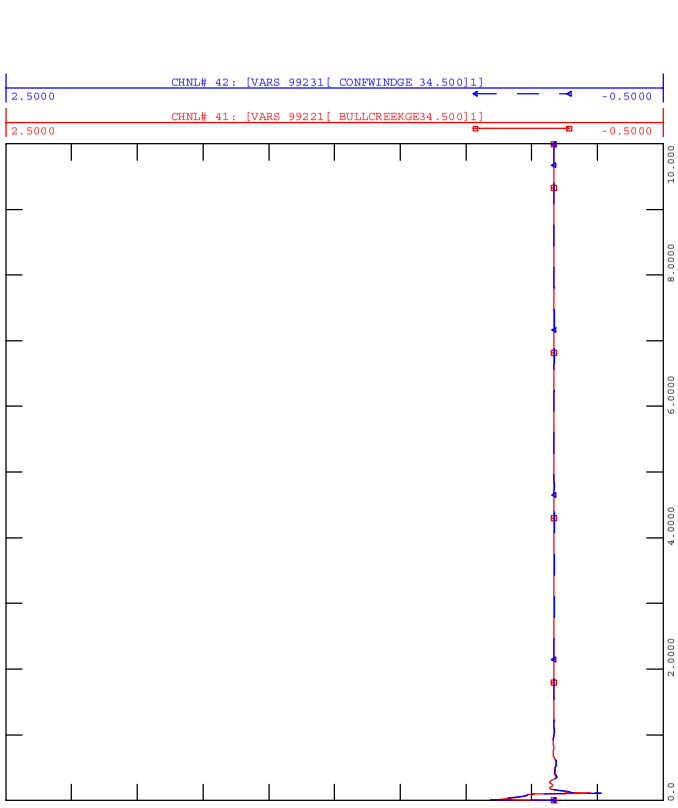


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

WIND MACHINE VARS

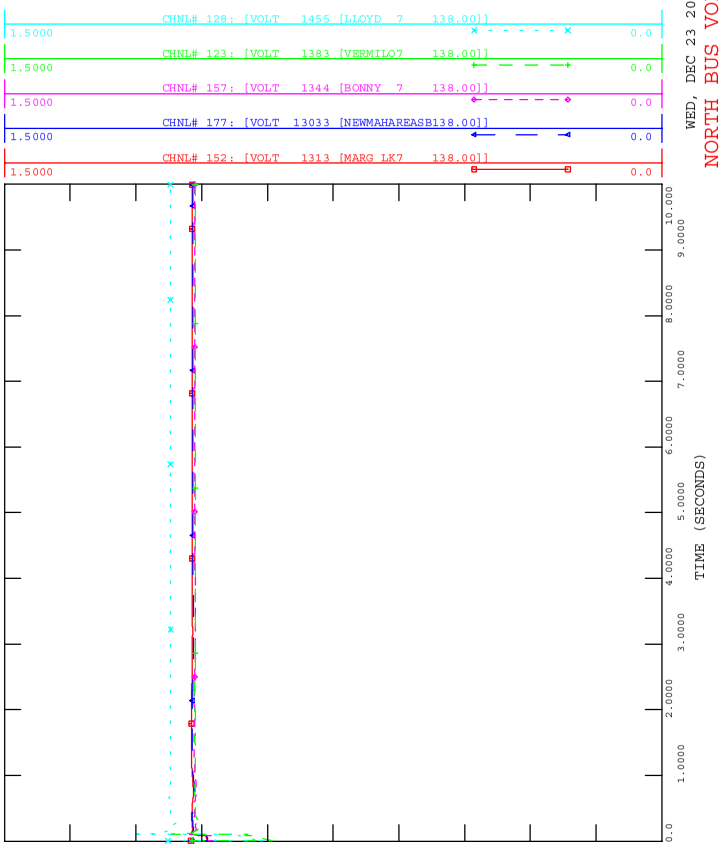


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

NORTH BUS VOLTAGES

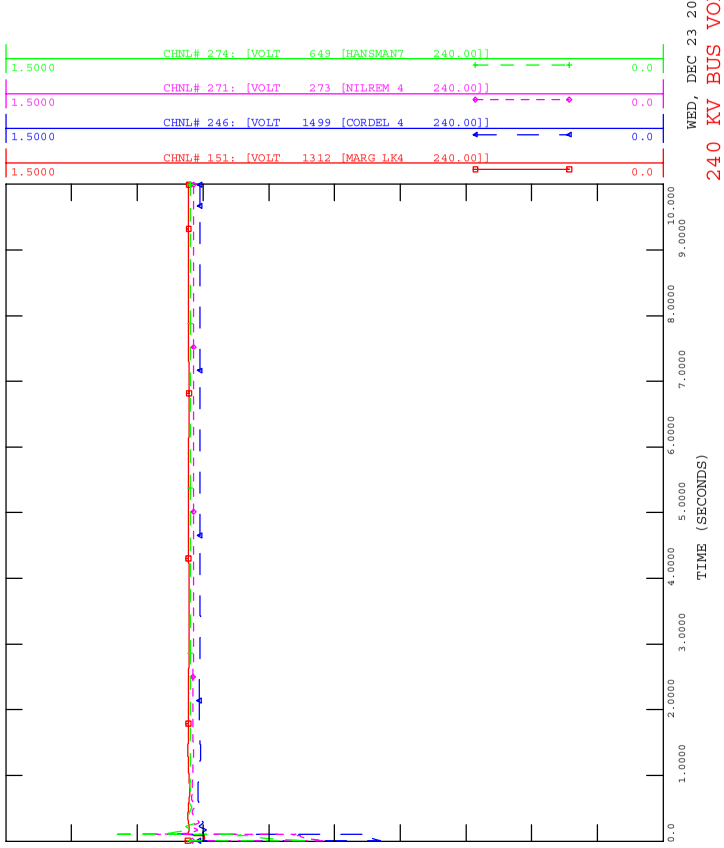


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

240 KV BUS VOLTAGES

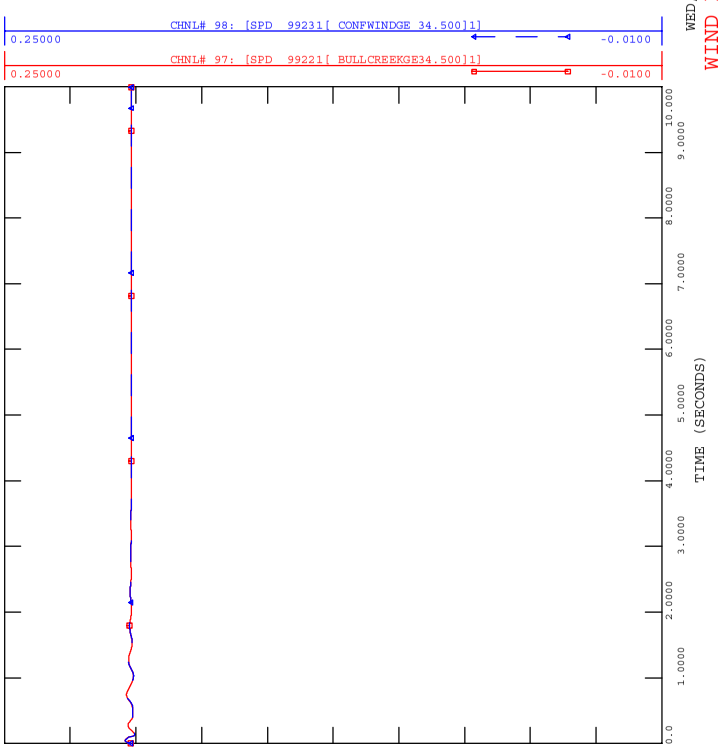


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

WIND MACHINE SPEED

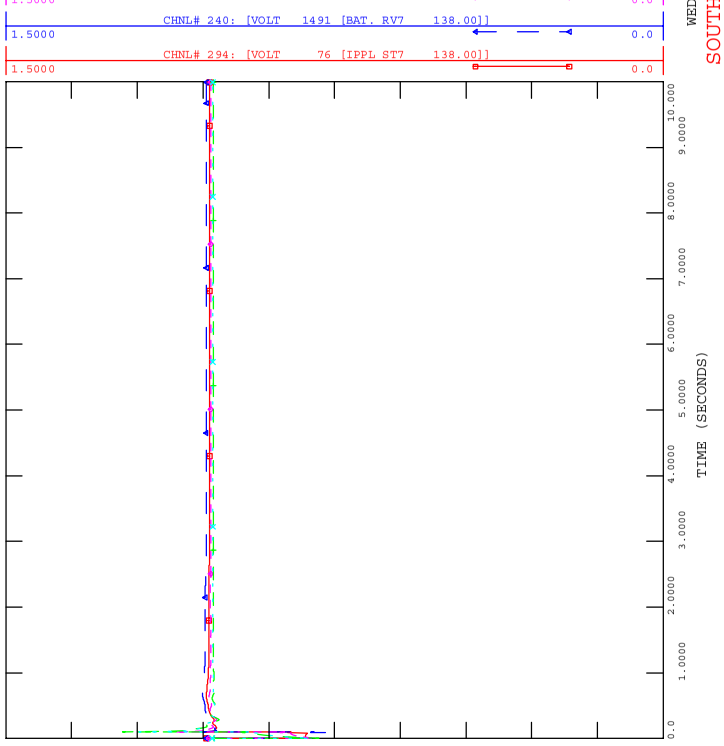


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

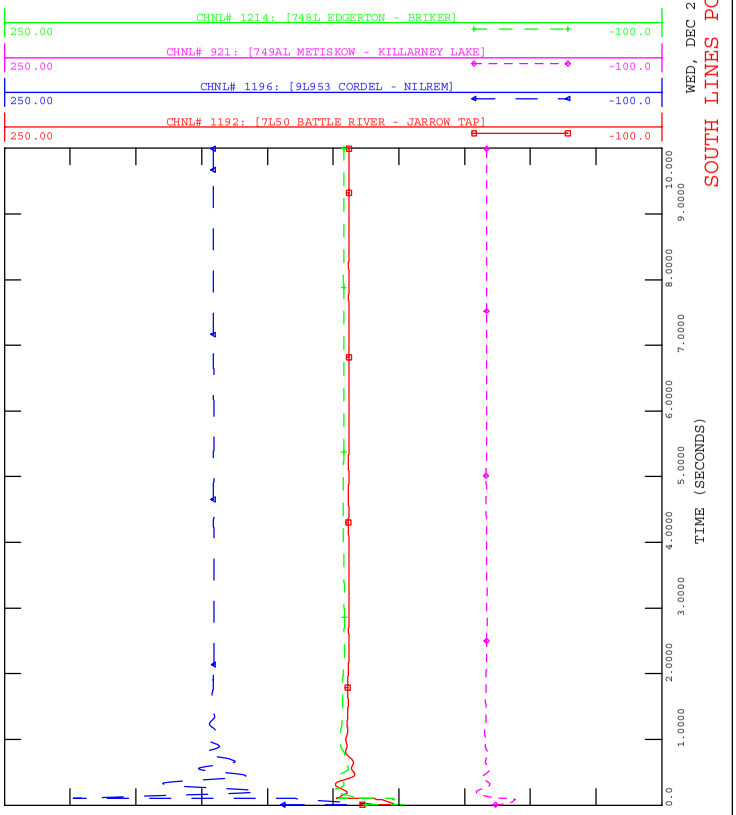
WED, DEC 23 2009 15:50

SOUTH BUS VOLTAGES



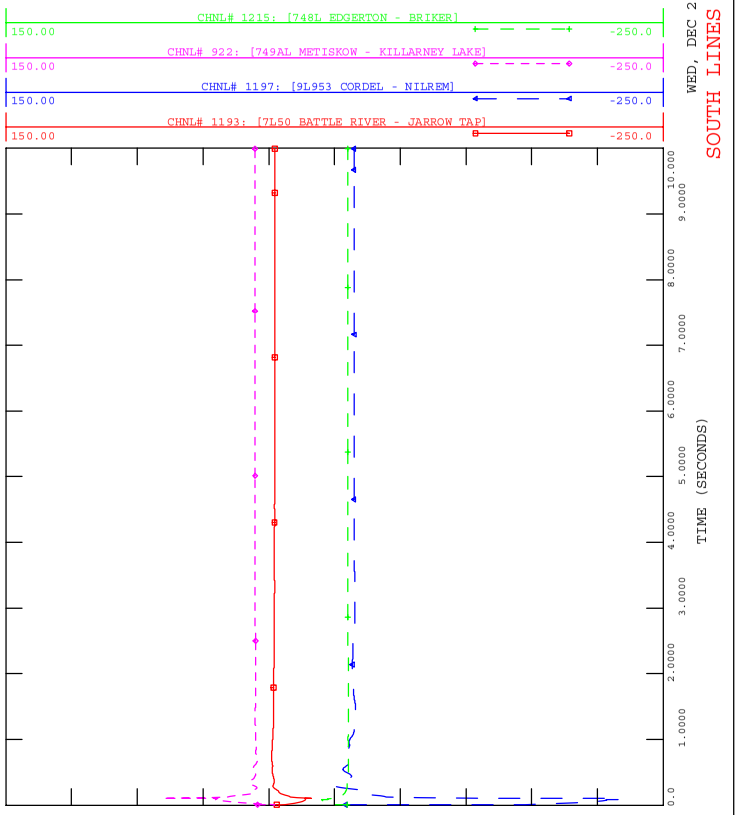
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out



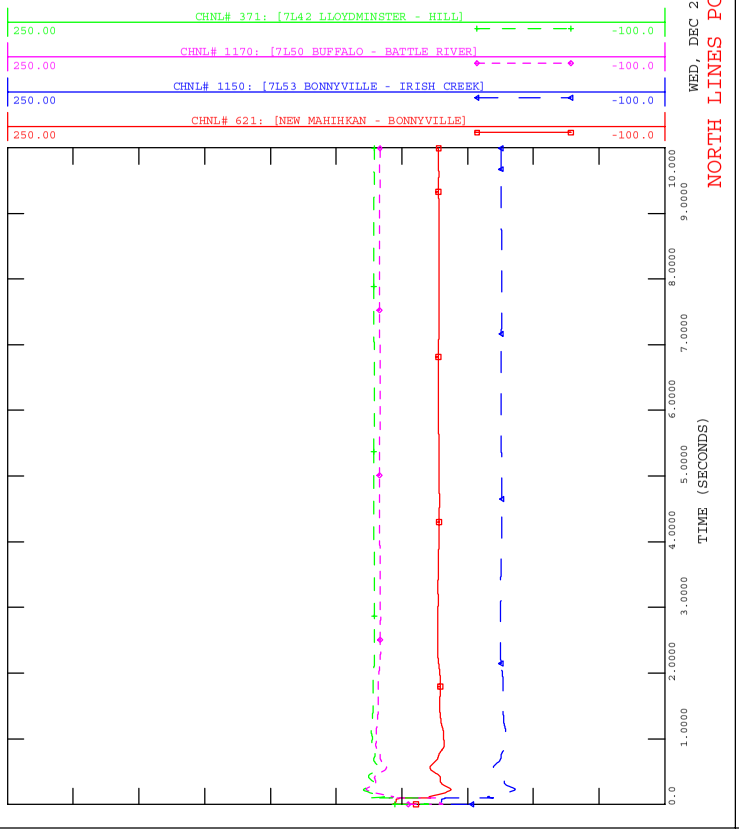
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out



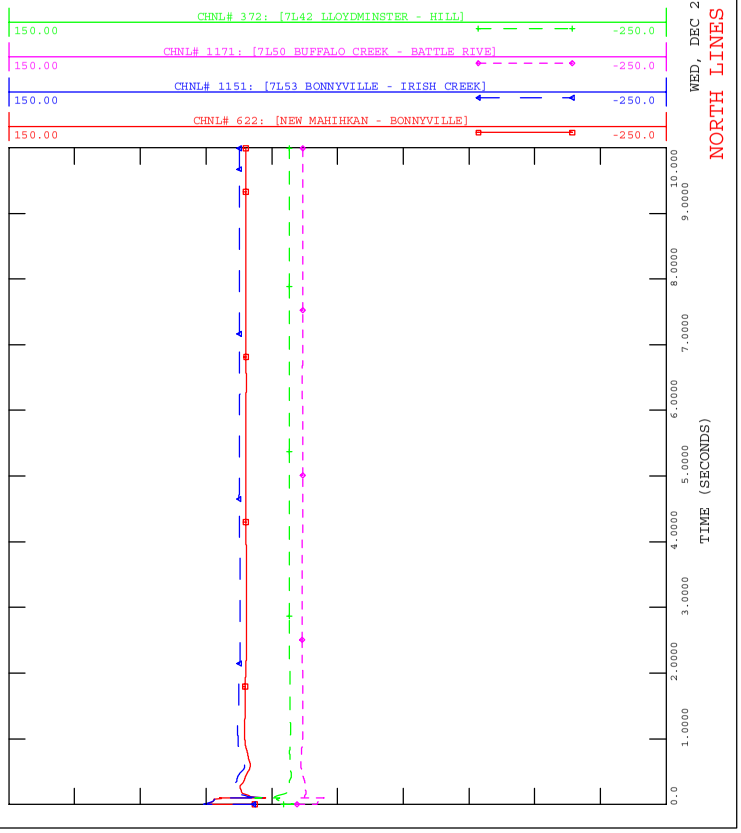
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

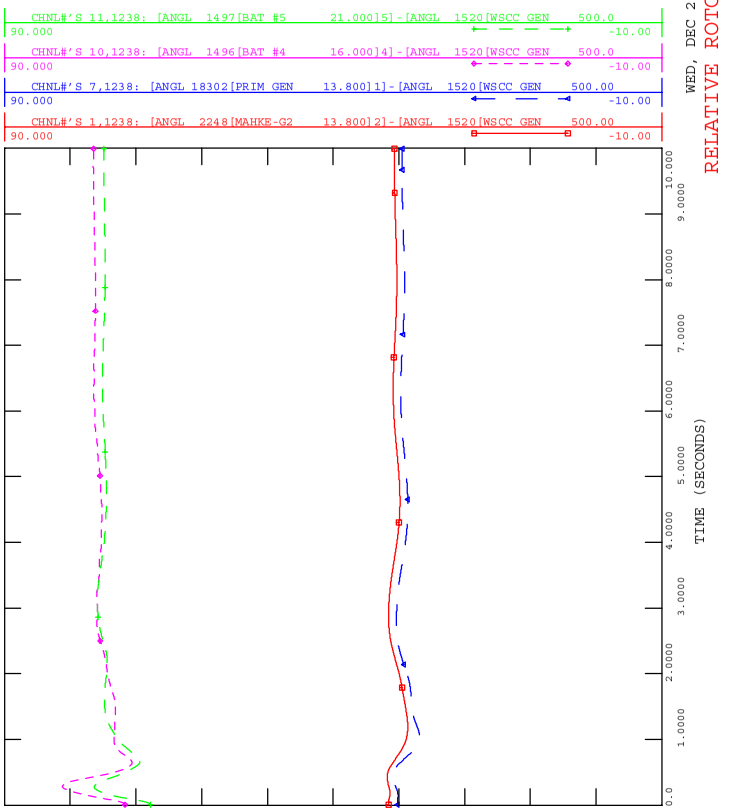


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

RELATIVE ROTOR ANGLES

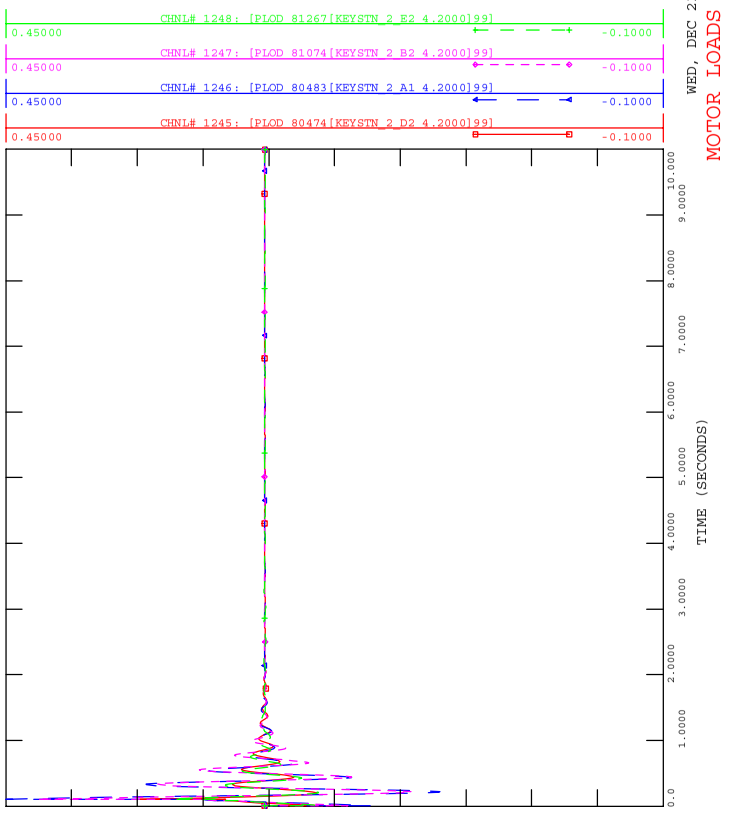


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

MOTOR LOADS GROUP II

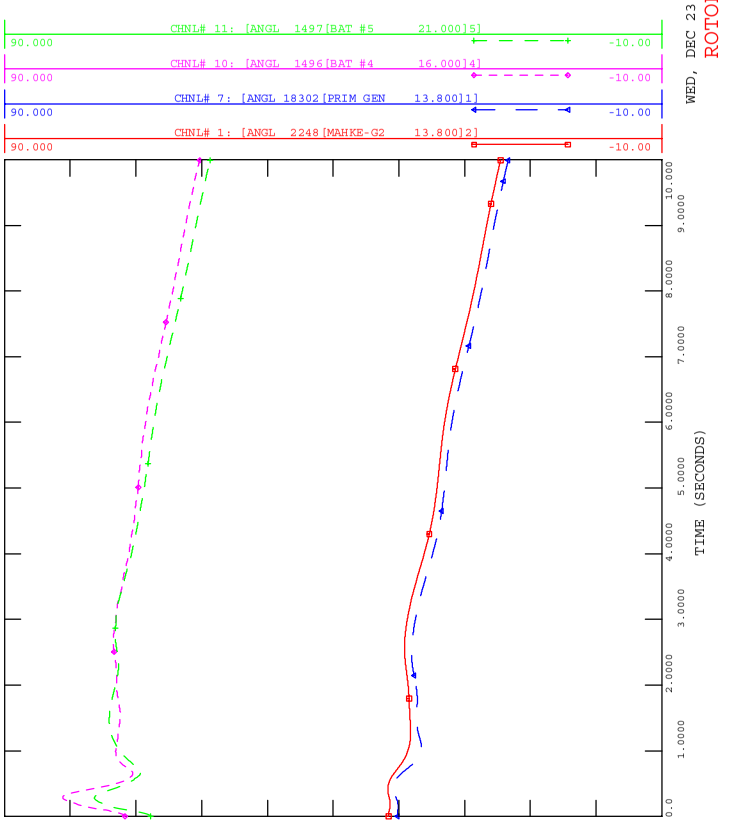


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

WED, DEC 23 2009 15:50

ROTOR ANGLES

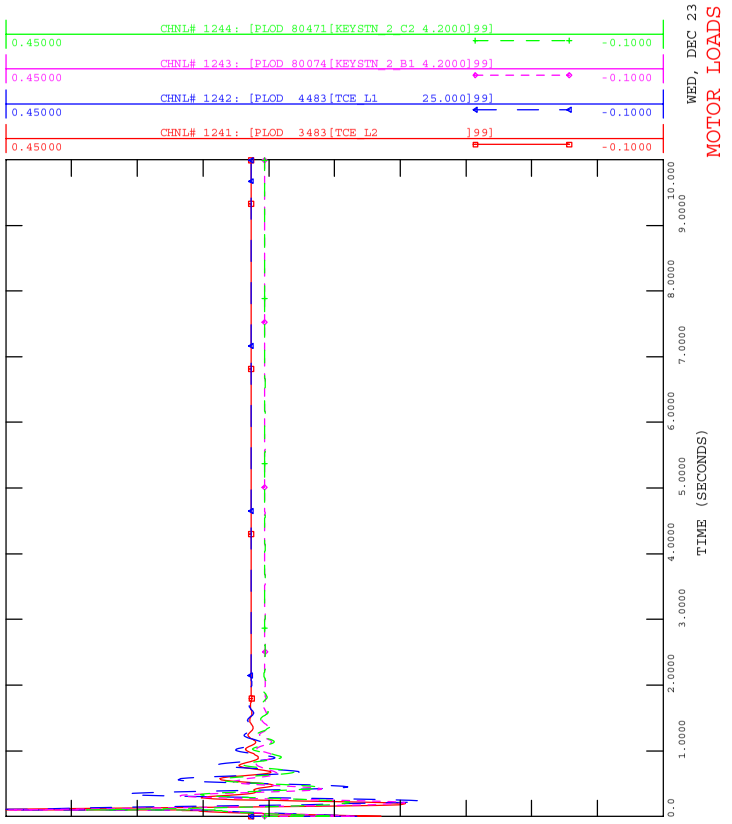


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

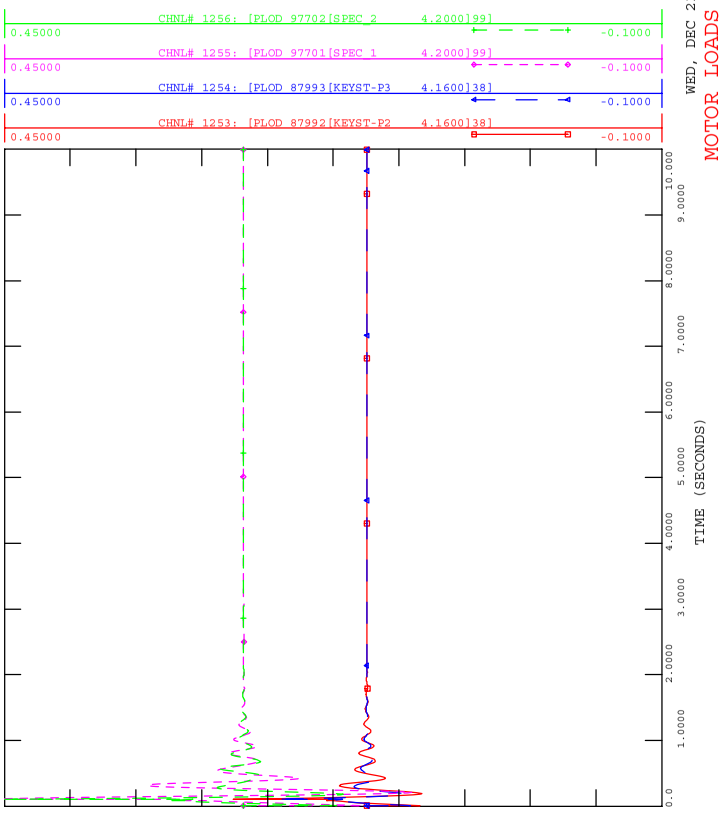
WED, DEC 23 2009 15:50

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out

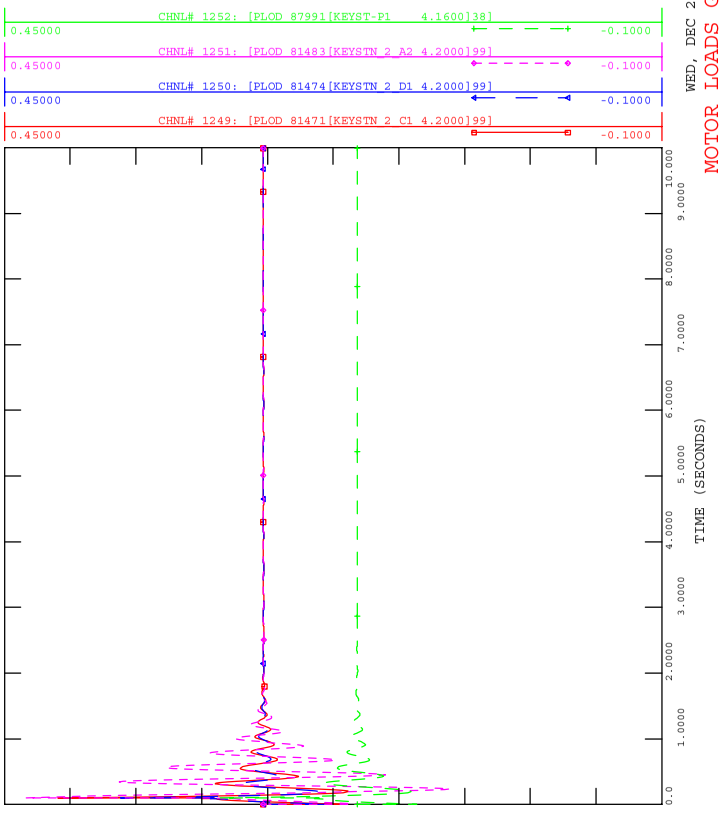


WED, DEC 23 2009 15:50

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B7fault.out



WED, DEC 23 2009 15:50

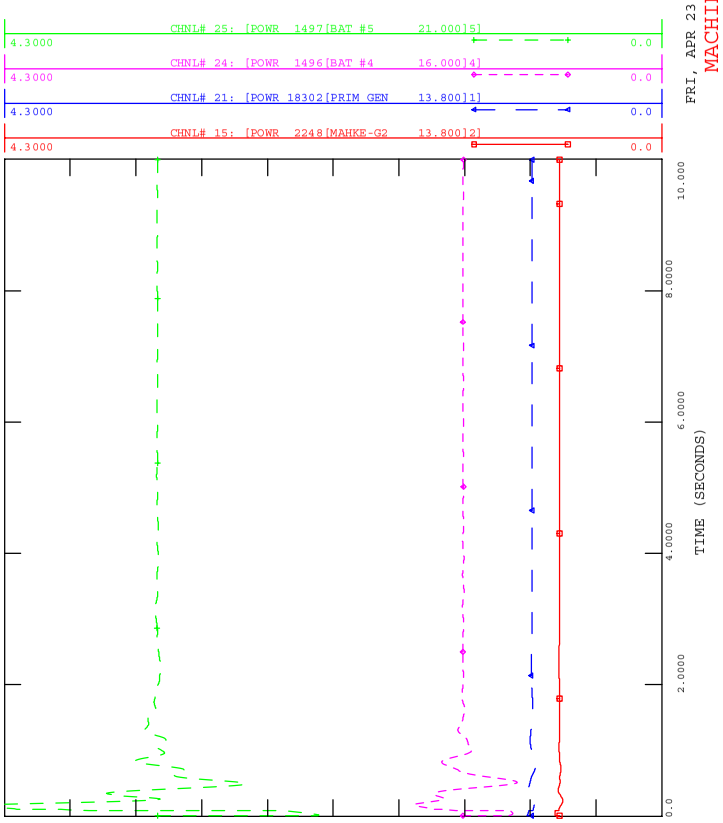
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

MACHINE POWER

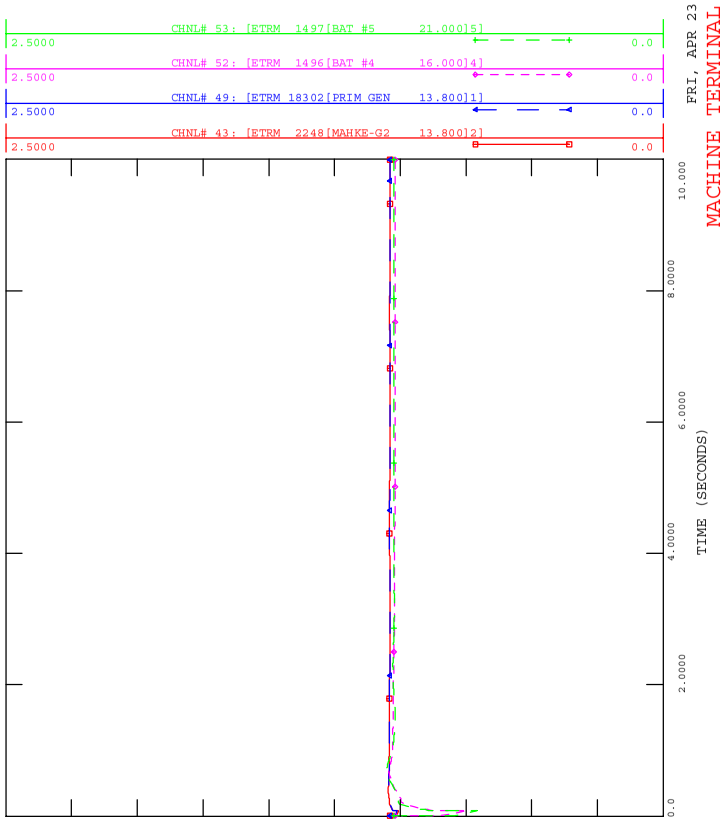


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

MACHINE TERMINAL VOLTAGE

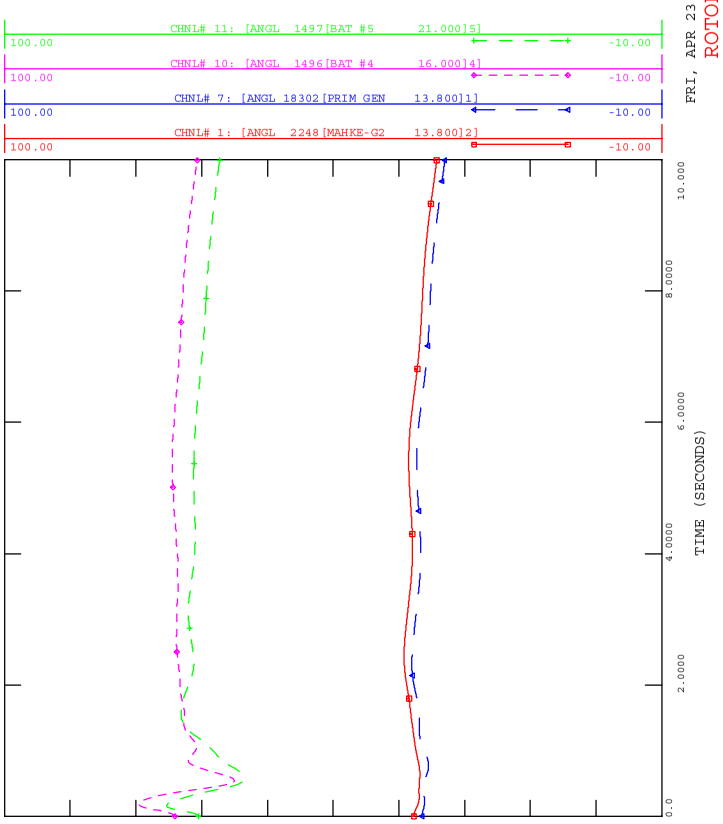


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

ROTOR ANGLES

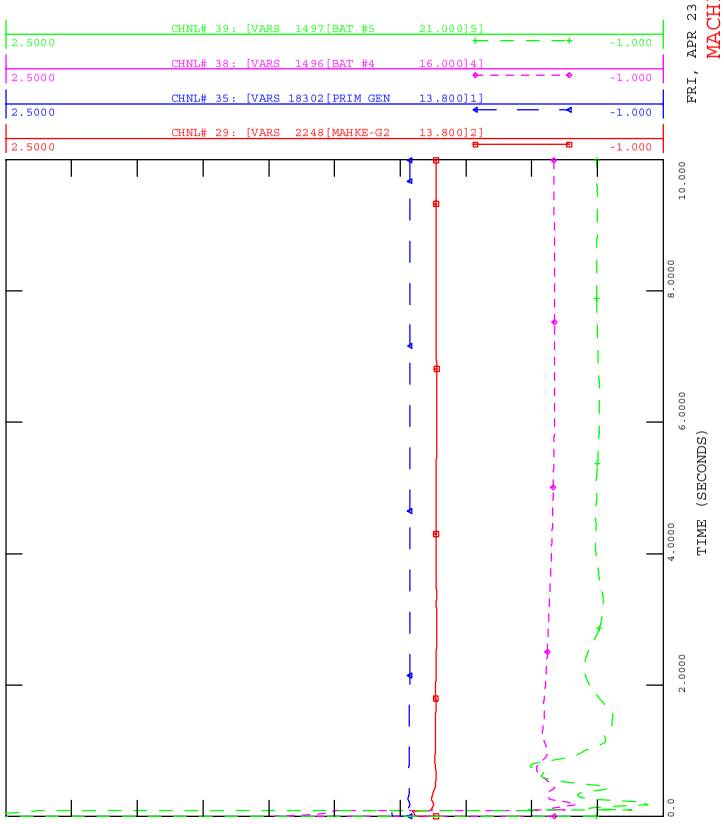


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

MACHINE VARS

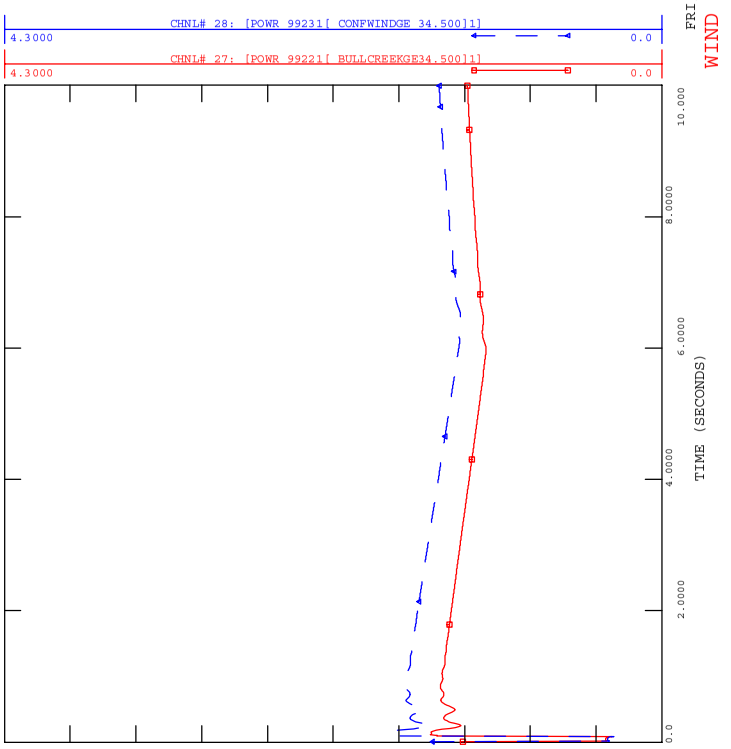


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

WIND MACHINE POWER

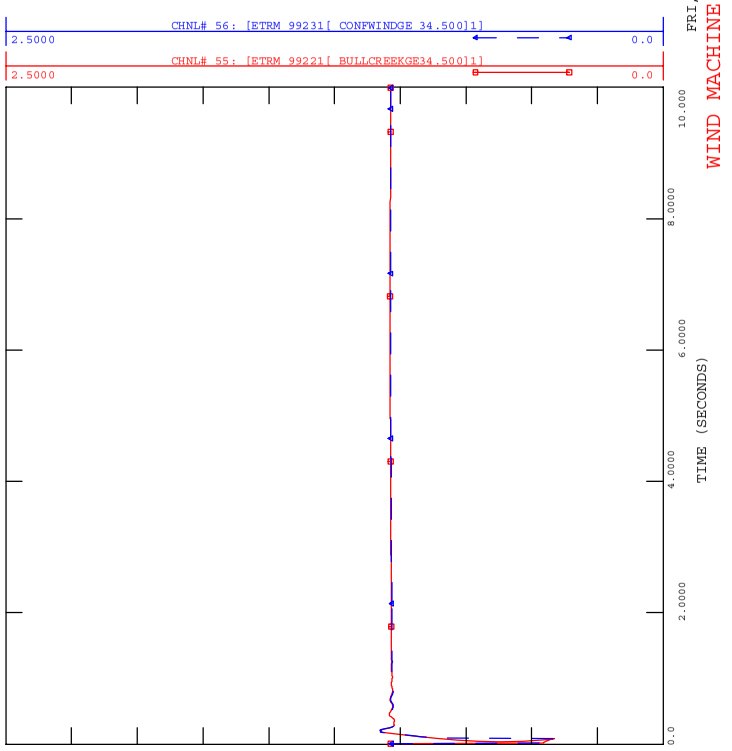


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

WIND MACHINE TERMINAL VOL

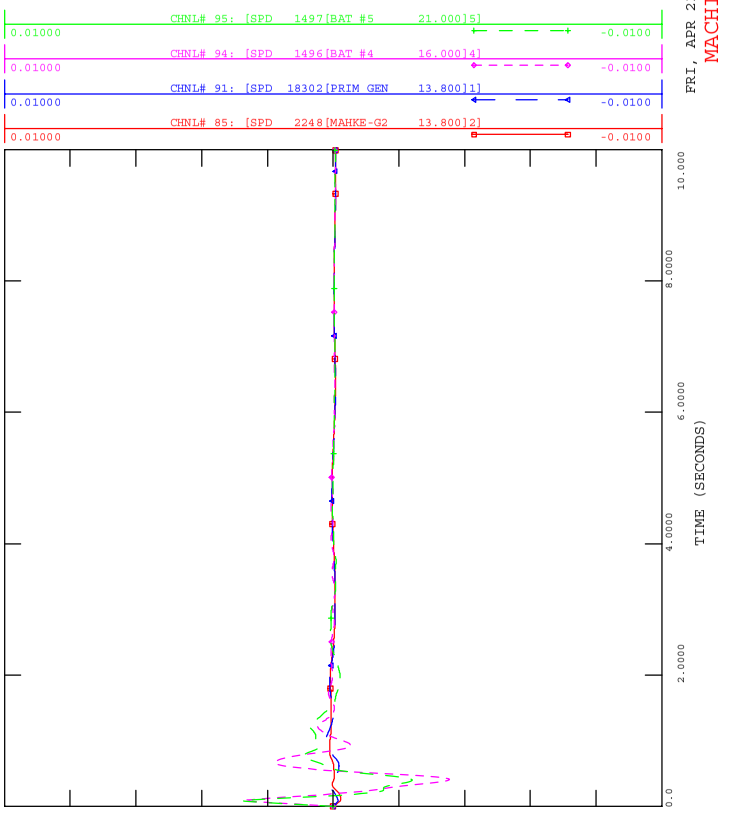


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

MACHINE SPEED

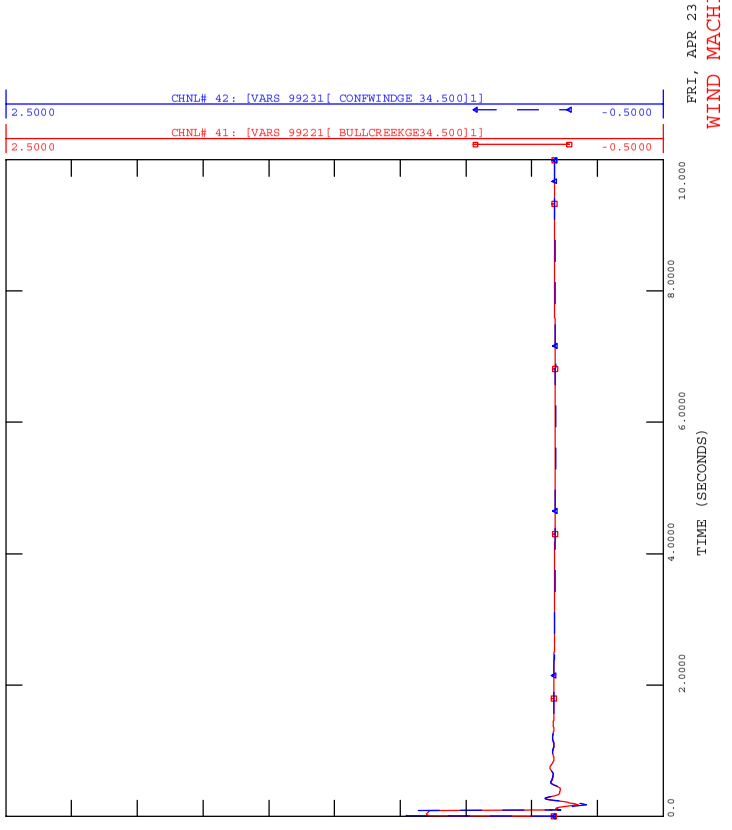


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

WIND MACHINE VARS

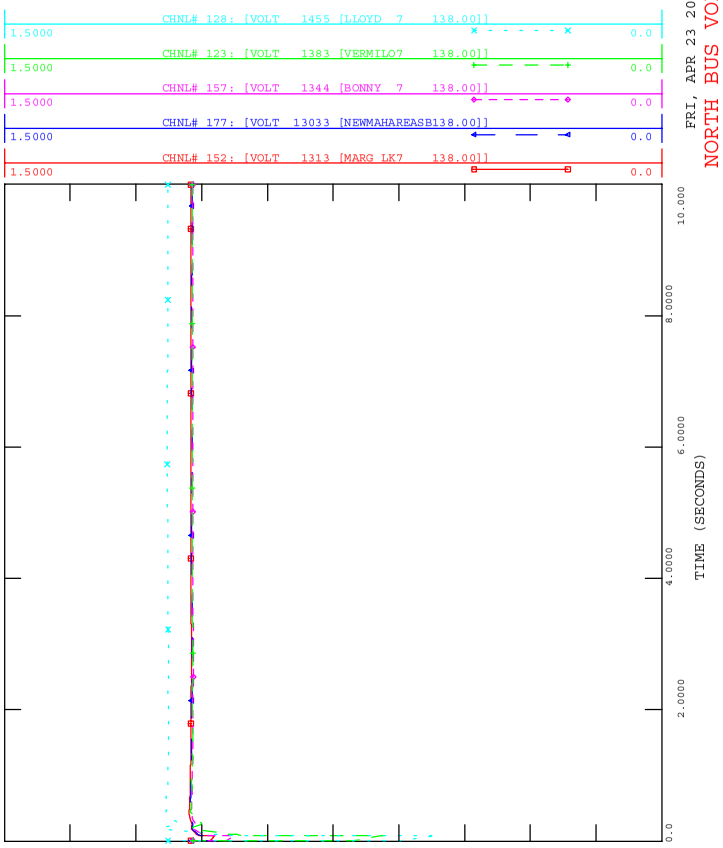


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

NORTH BUS VOLTAGES

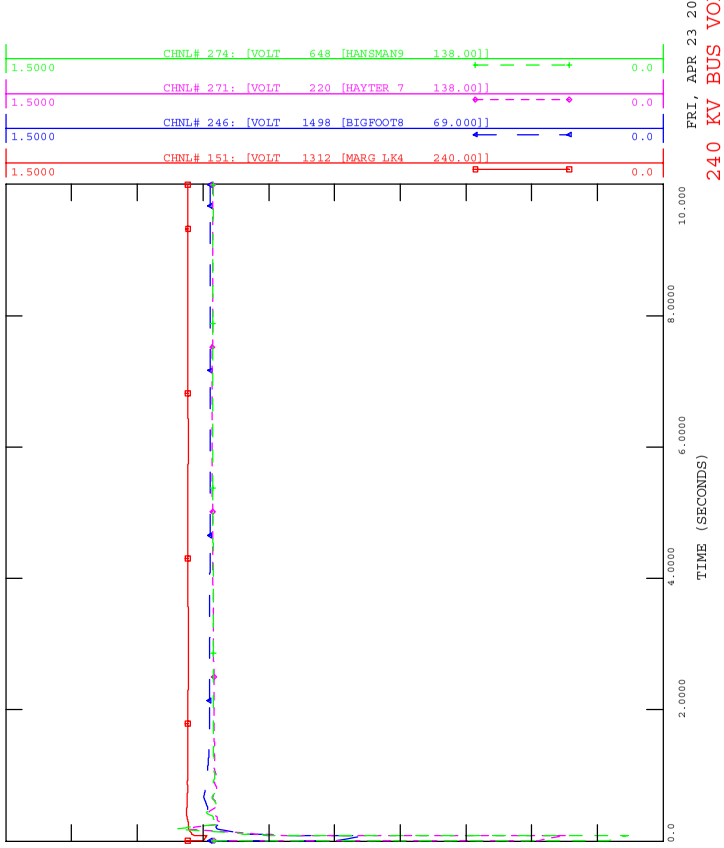


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

240 KV BUS VOLTAGES

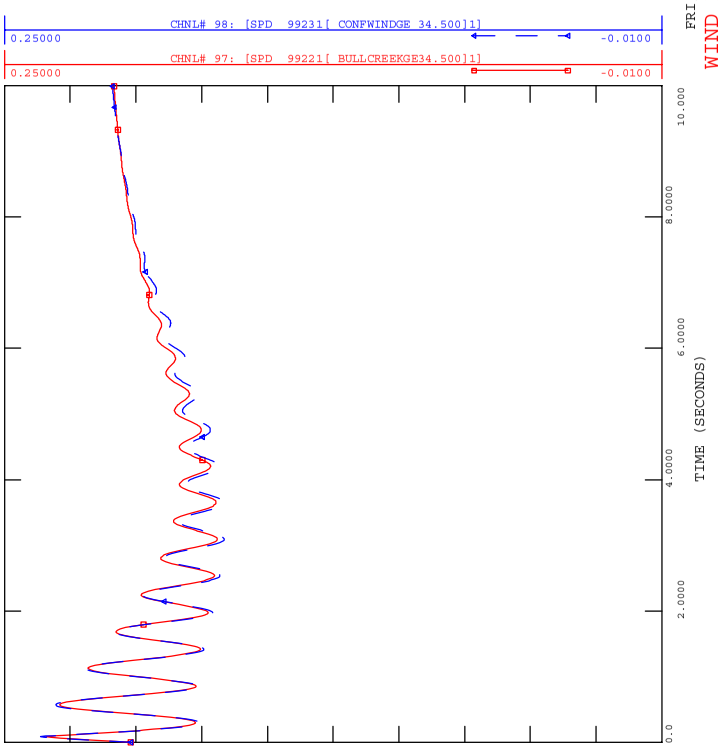


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

WIND MACHINE SPEED

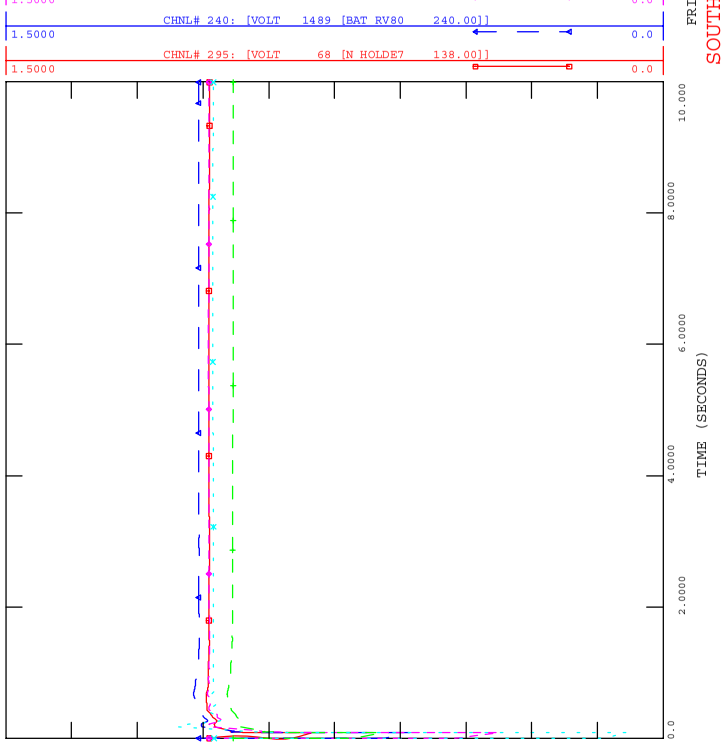


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

SOUTH LINES POWER FLOW

CHNL# 1214: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 922: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1196: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1192: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0

10.000
8.0000
6.0000
4.0000
2.0000
0.0
TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

SOUTH LINES VAR FLOW

CHNL# 1215: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 923: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1197: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1193: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0

10.000
8.0000
6.0000
4.0000
2.0000
0.0
TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

NORTH LINES POWER FLOW

CHNL# 371: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1170: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1150: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 622: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0

10.000
8.0000
6.0000
4.0000
2.0000
0.0
TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

NORTH LINES VAR FLOW

CHNL# 372: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1171: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1151: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 623: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0

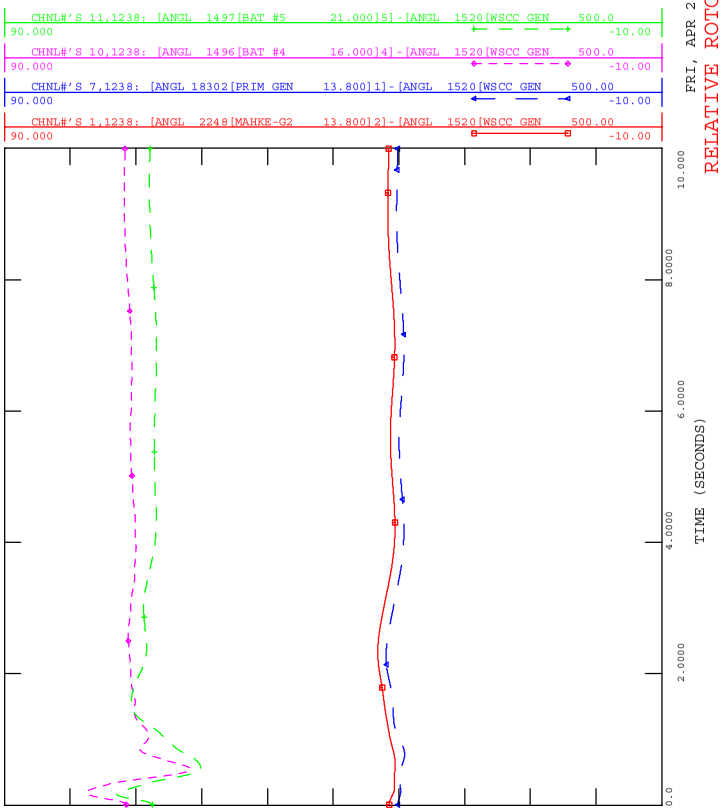
10.000
8.0000
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4.0000
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0.0
TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

RELATIVE ROTOR ANGLES

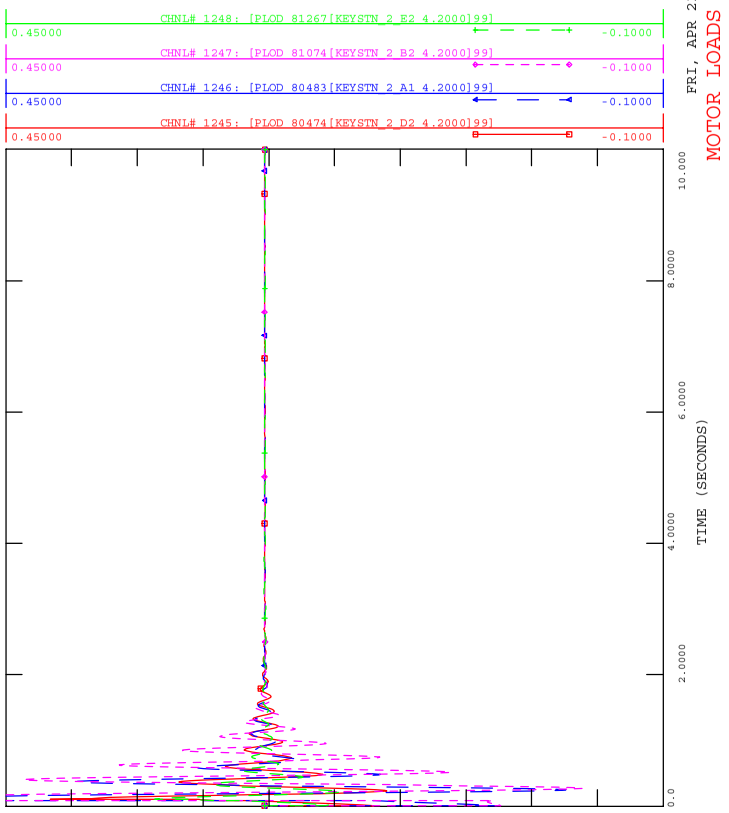


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

MOTOR LOADS GROUP II

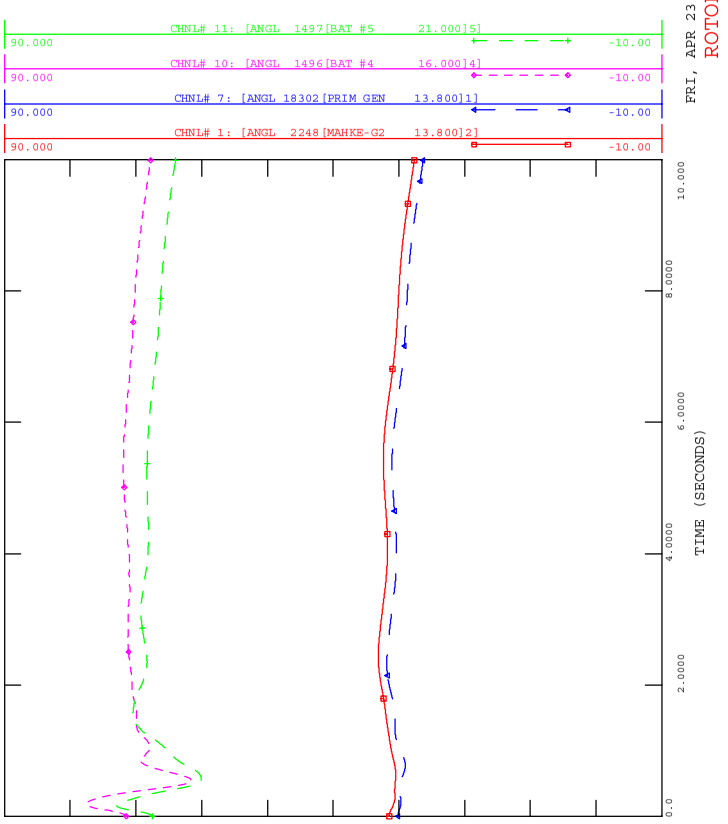


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

FRI, APR 23 2010 16:56

ROTOR ANGLES

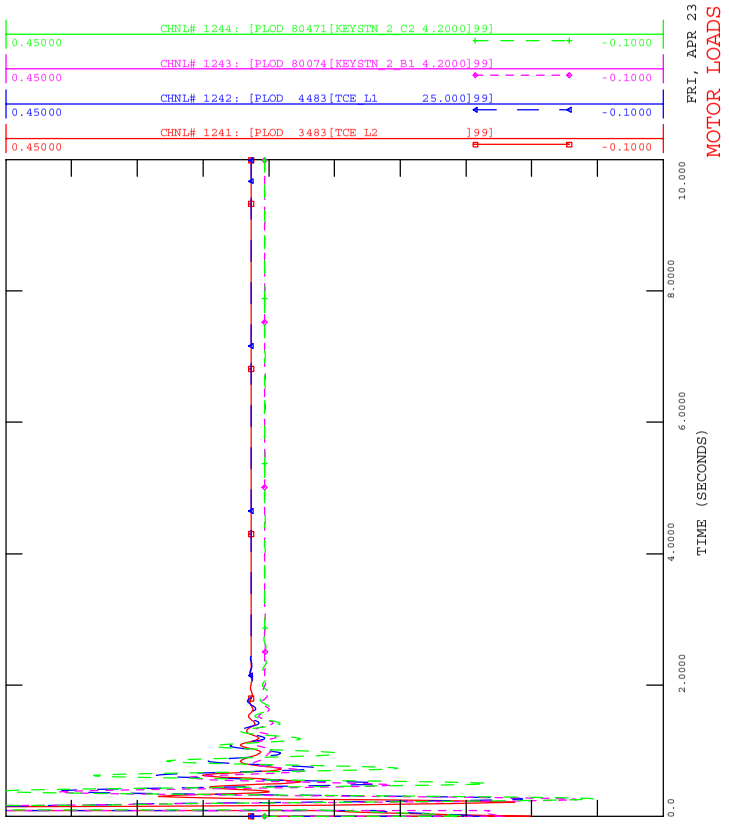


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

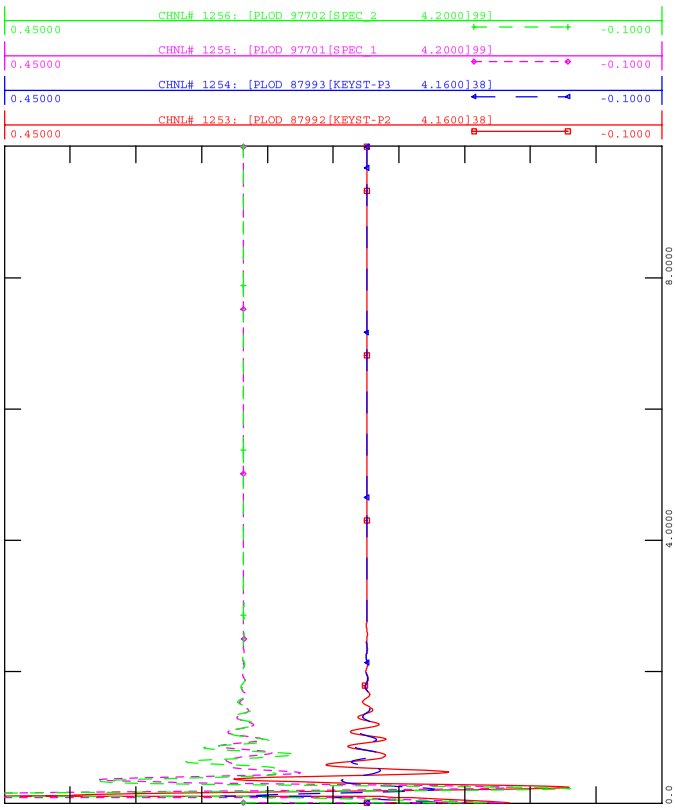
FRI, APR 23 2010 16:56

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out

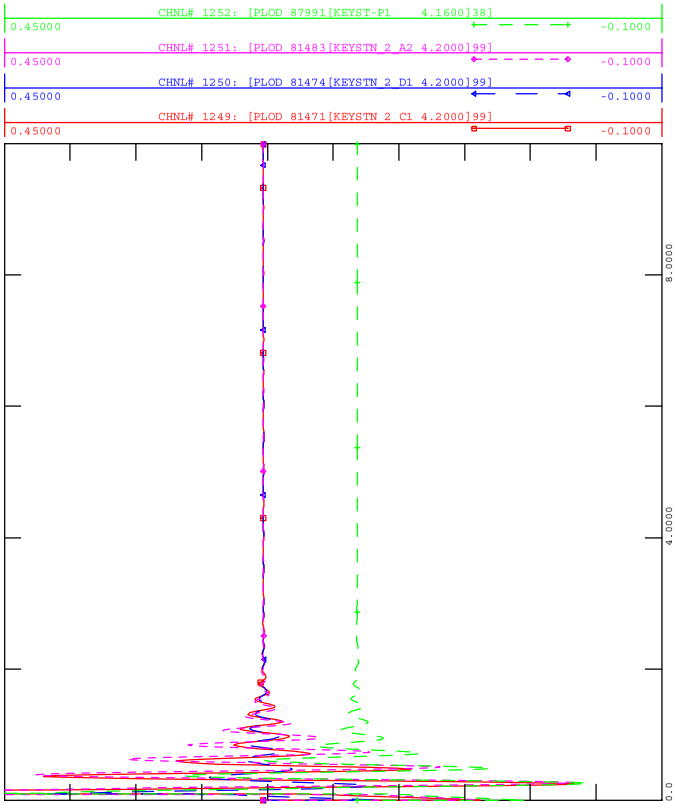


FRI, APR 23 2010 16:56

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B8fault.out



FRI, APR 23 2010 16:56

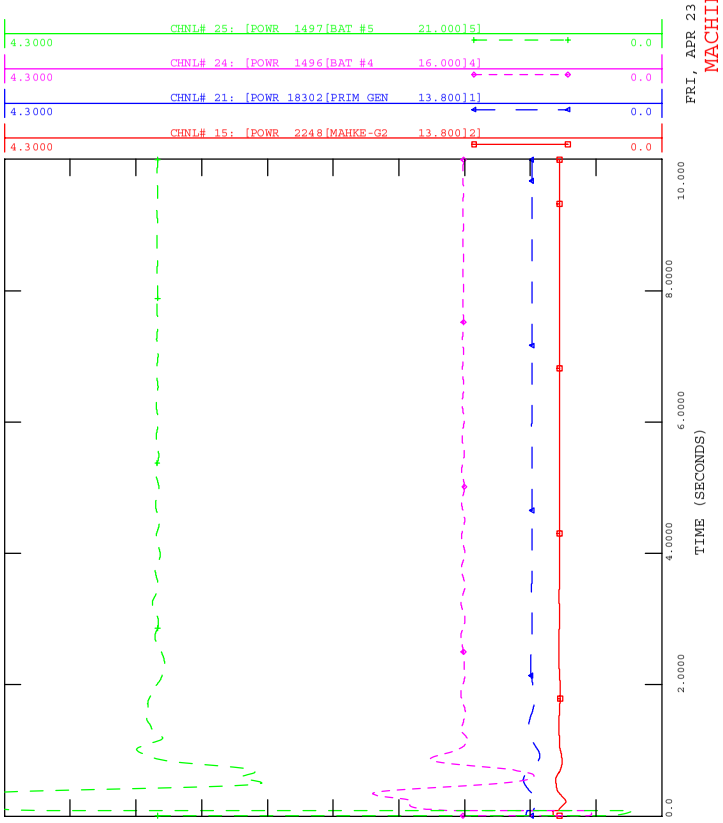
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

MACHINE POWER

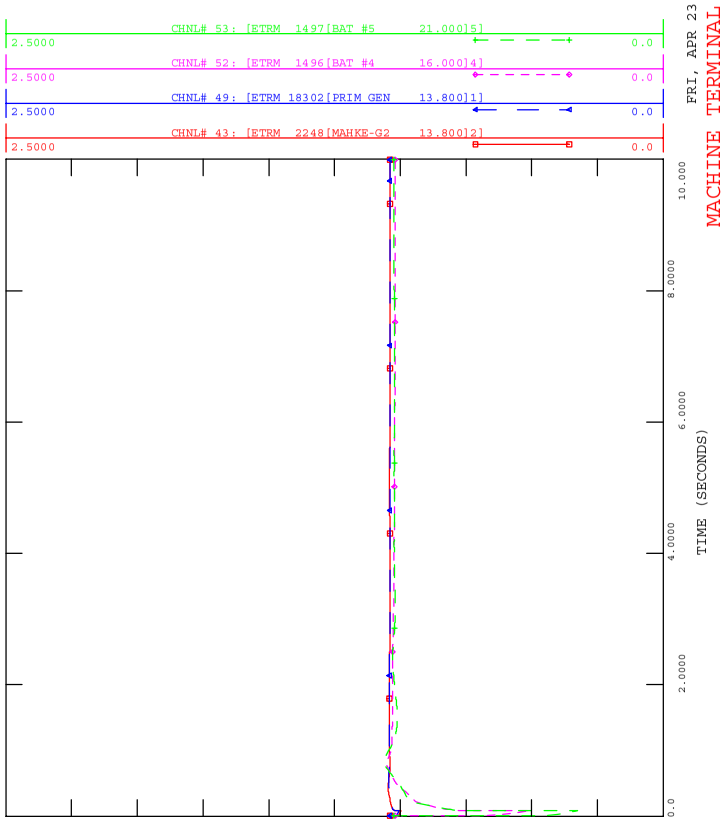


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

MACHINE TERMINAL VOLTAGE

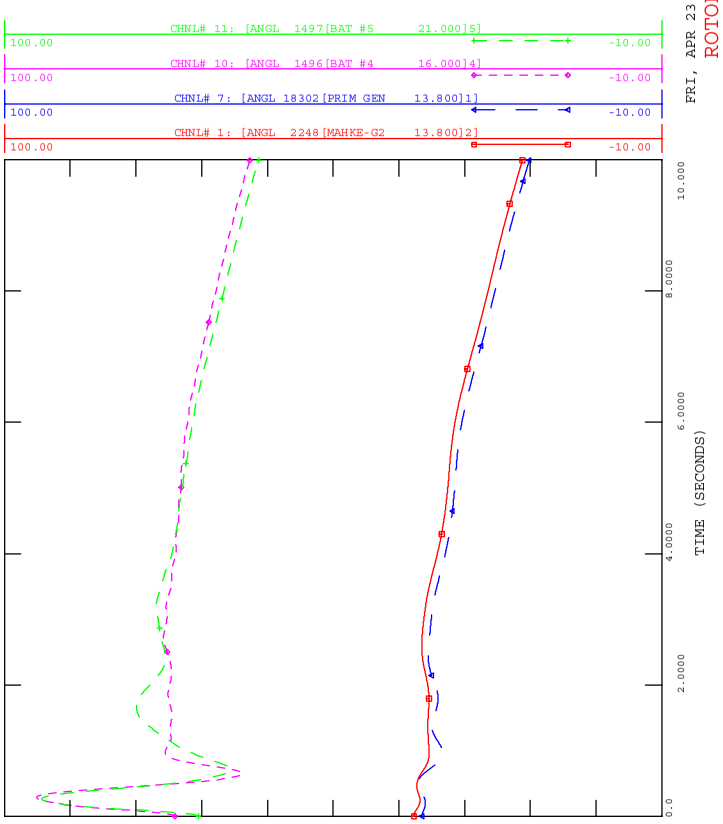


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

ROTOR ANGLES

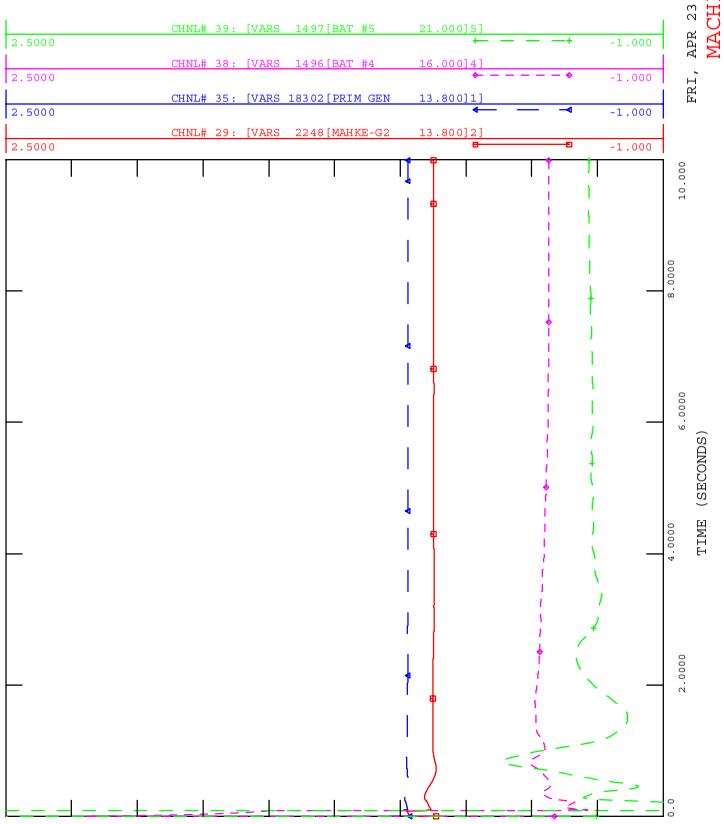


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

MACHINE VARS

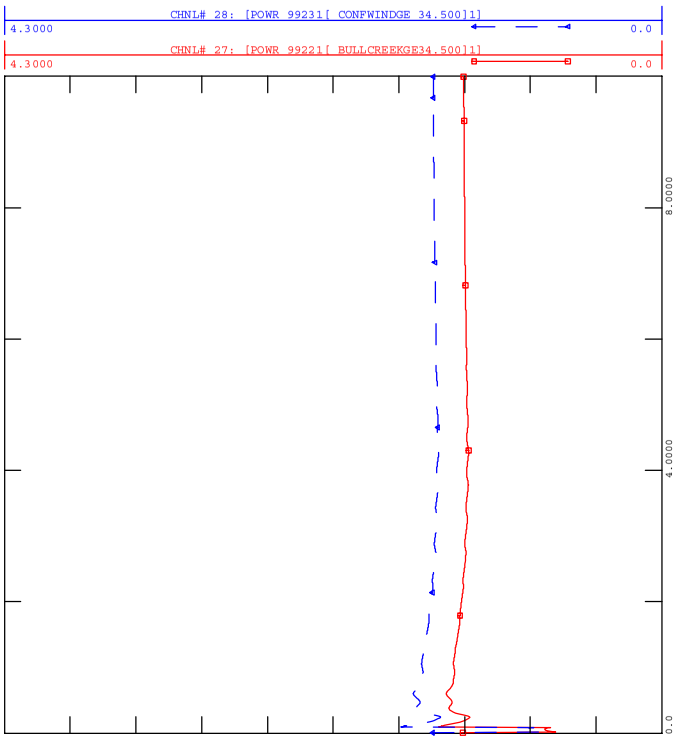


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

WIND MACHINE POWER

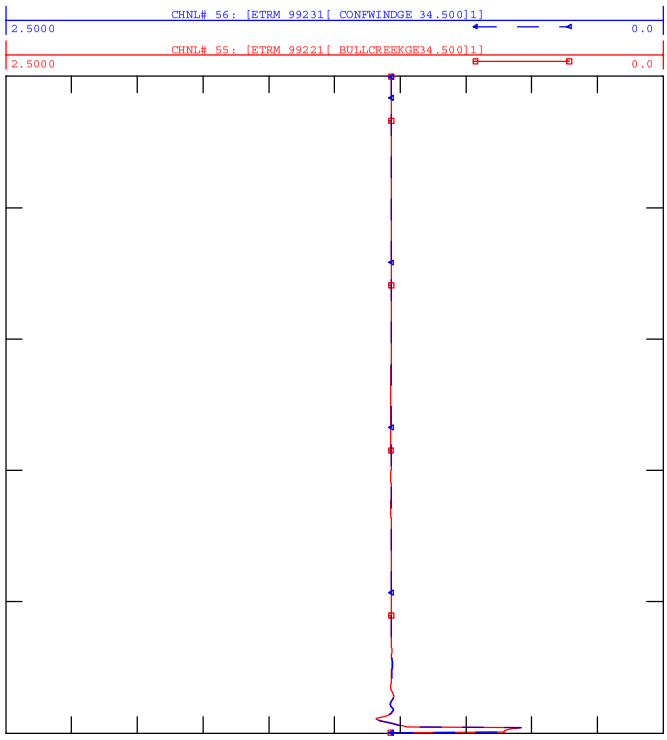


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

WIND MACHINE TERMINAL VOL

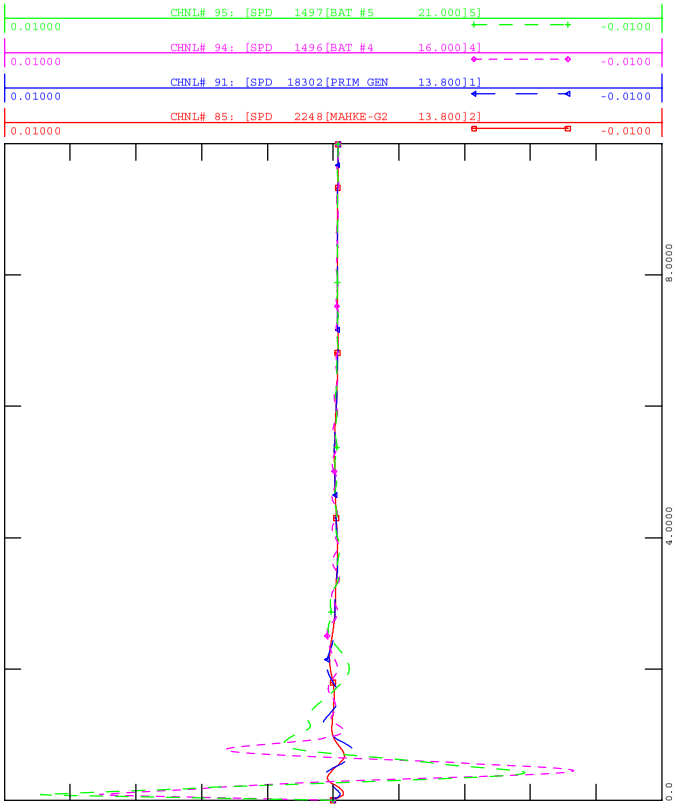


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 16:59

MACHINE SPEED

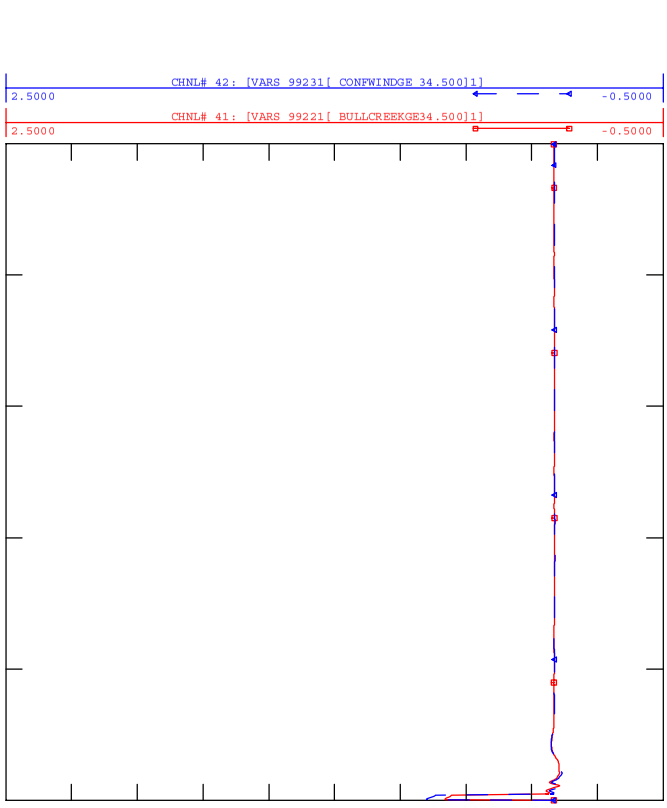


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

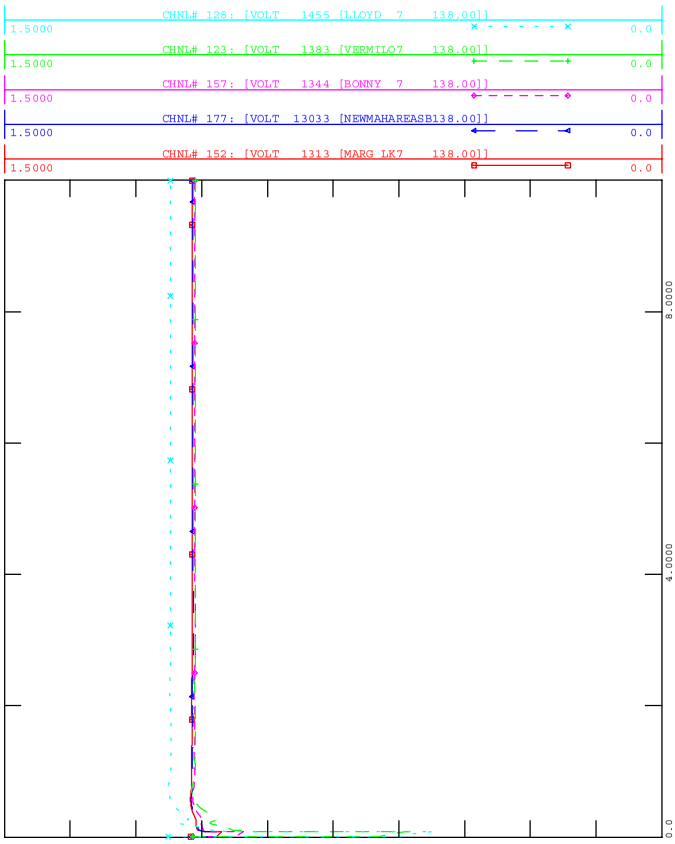
FRI, APR 23 2010 16:59

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

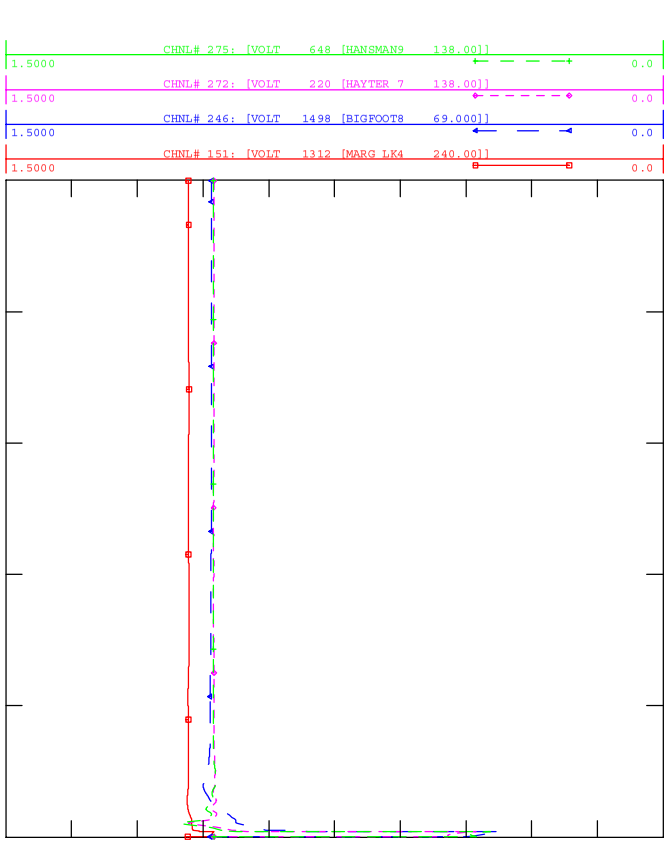


FRI, APR 23 2010 17:00

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

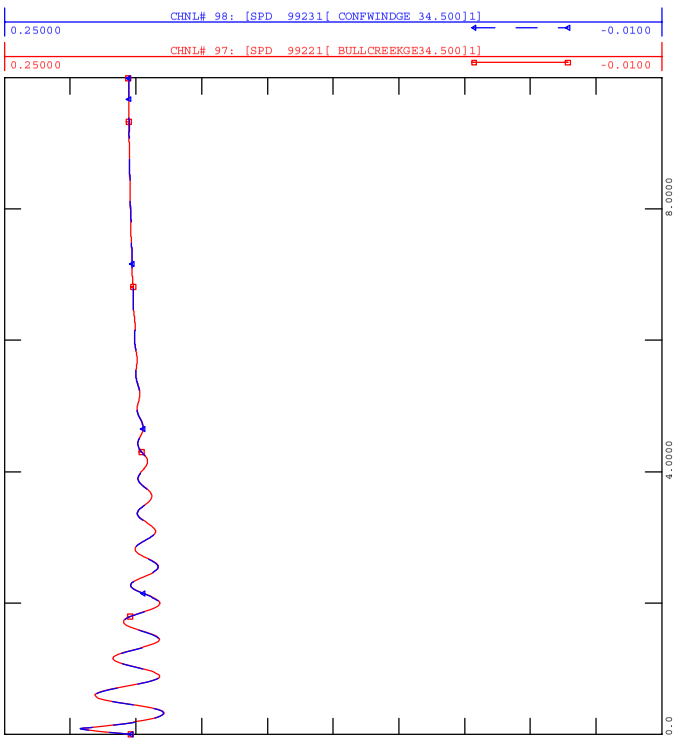


FRI, APR 23 2010 17:00

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

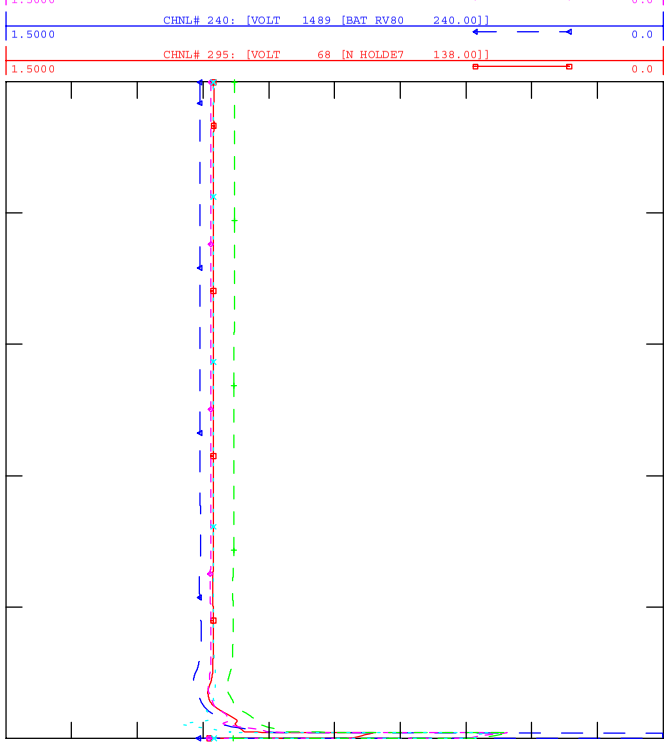


FRI, APR 23 2010 17:00

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out



FRI, APR 23 2010 17:00

SOUTH BUS VOLTAGES

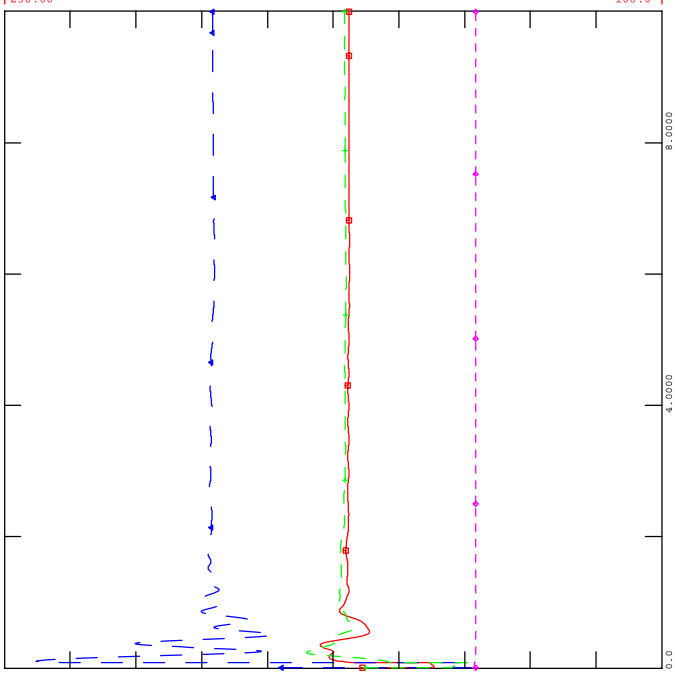
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 17:00

SOUTH LINES POWER FLOW

CHNL# 1214: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 926: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1196: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1192: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



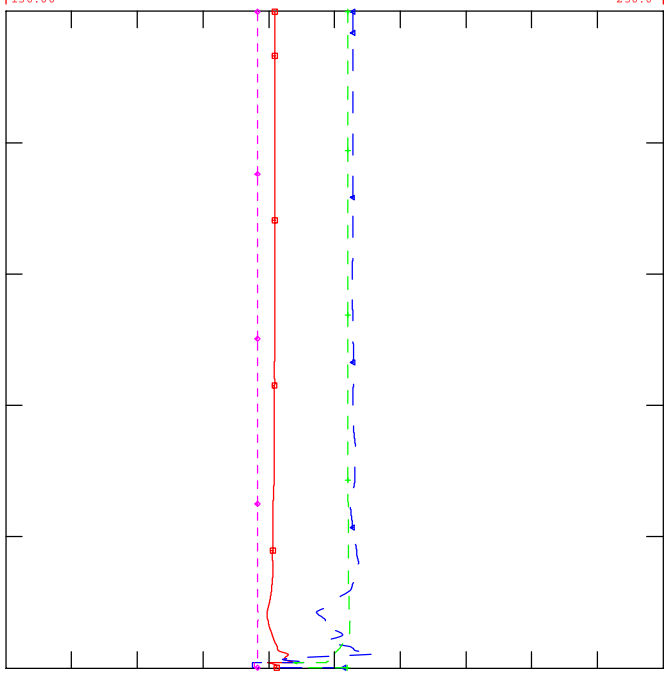
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 17:00

SOUTH LINES VAR FLOW

CHNL# 1215: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 927: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1197: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1193: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



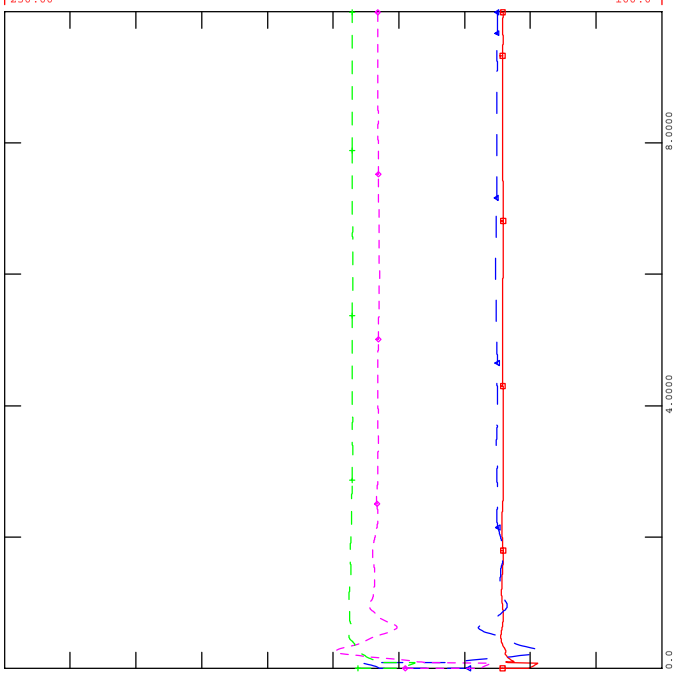
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 17:00

NORTH LINES POWER FLOW

CHNL# 372: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1170: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1150: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 622: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



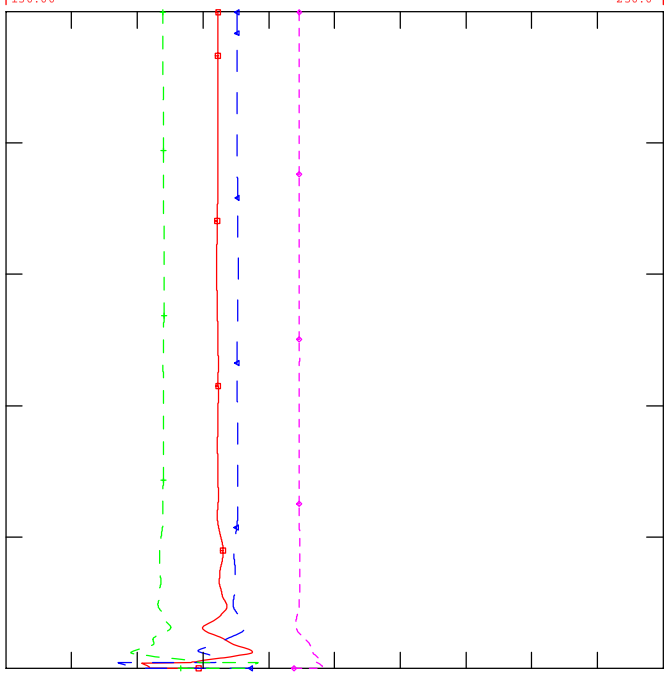
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

FRI, APR 23 2010 17:00

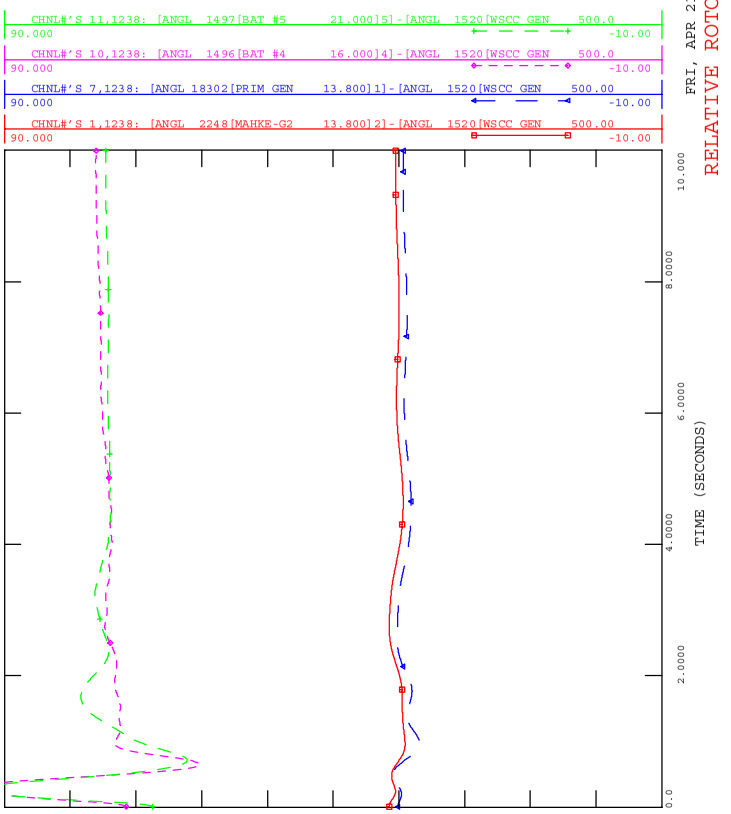
NORTH LINES VAR FLOW

CHNL# 373: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1171: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1151: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 623: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0



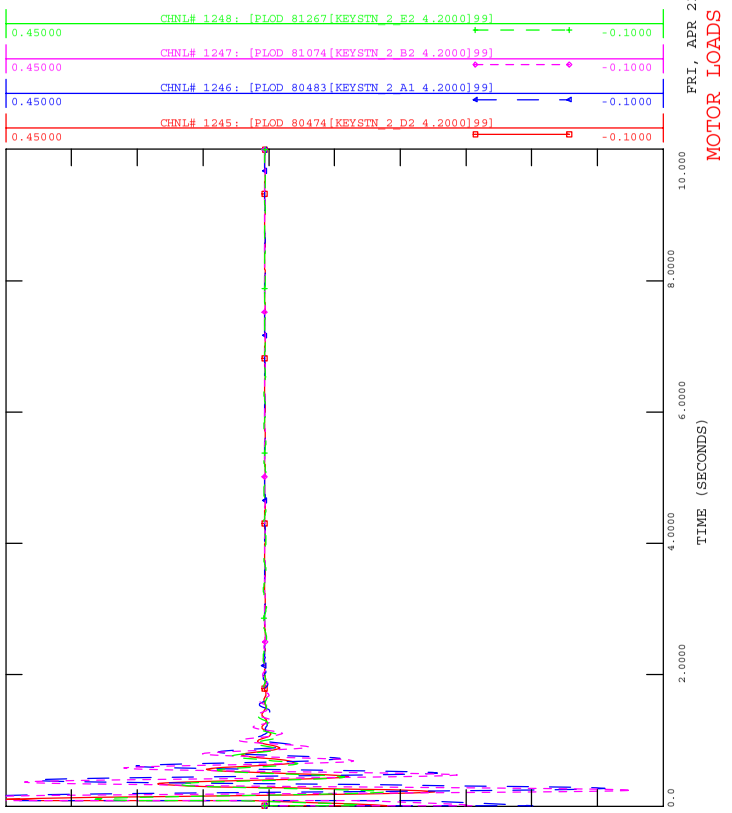
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out



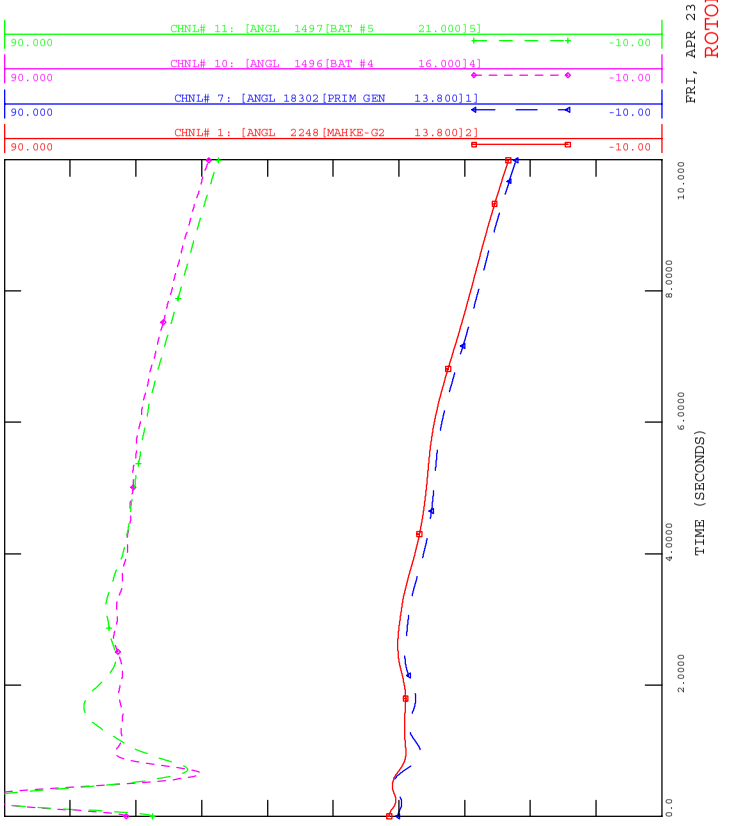
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out



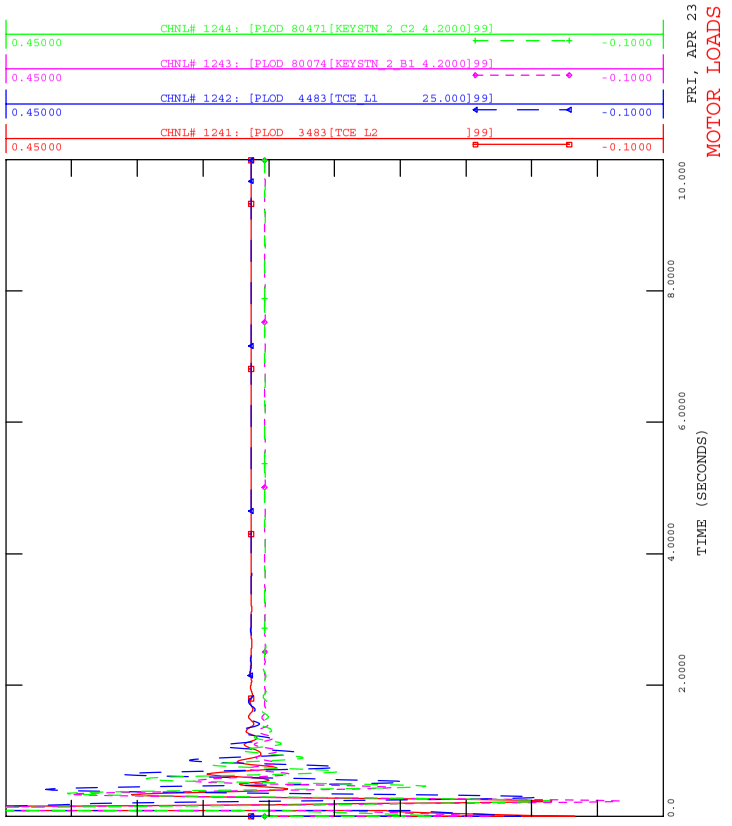
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out



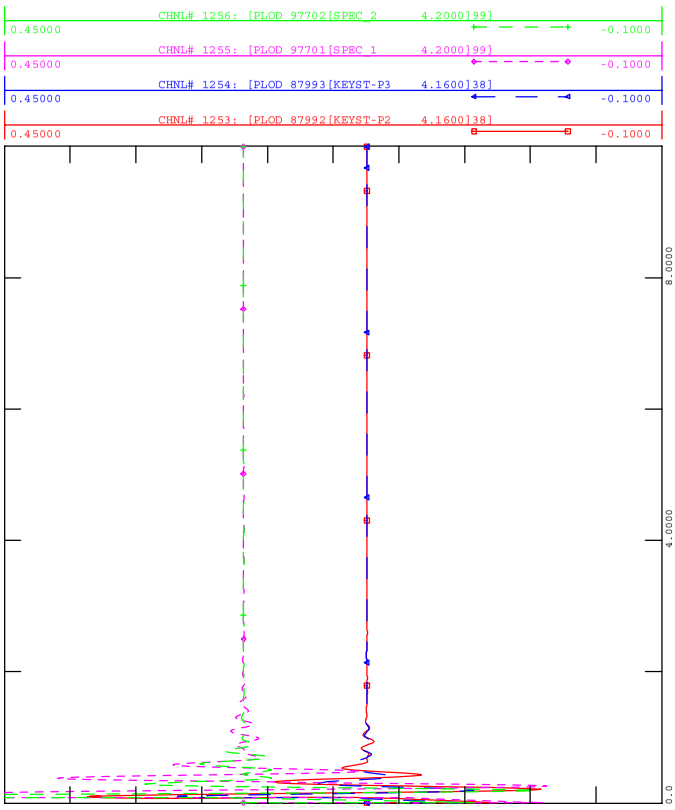
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out

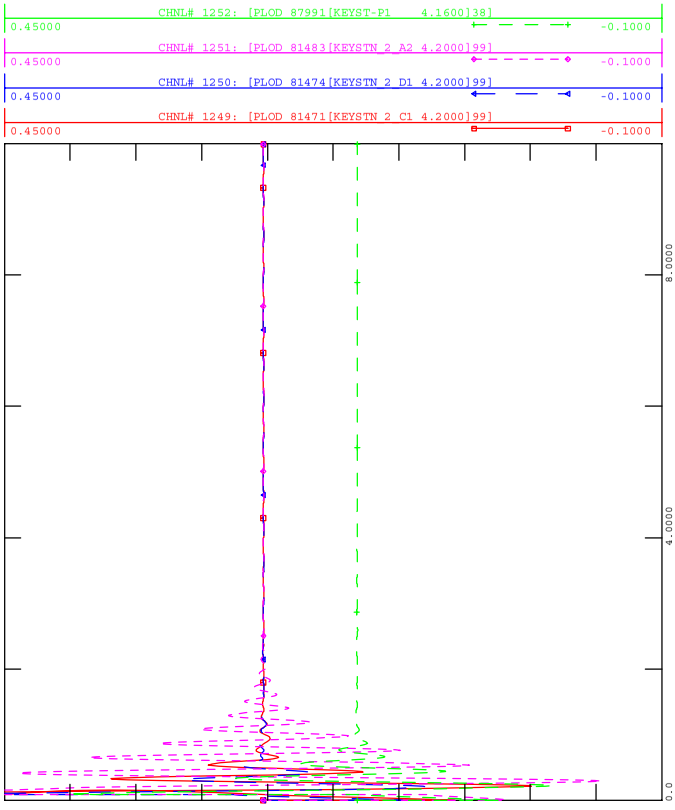


FRI, APR 23 2010 17:00

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B9fault.out



FRI, APR 23 2010 17:00

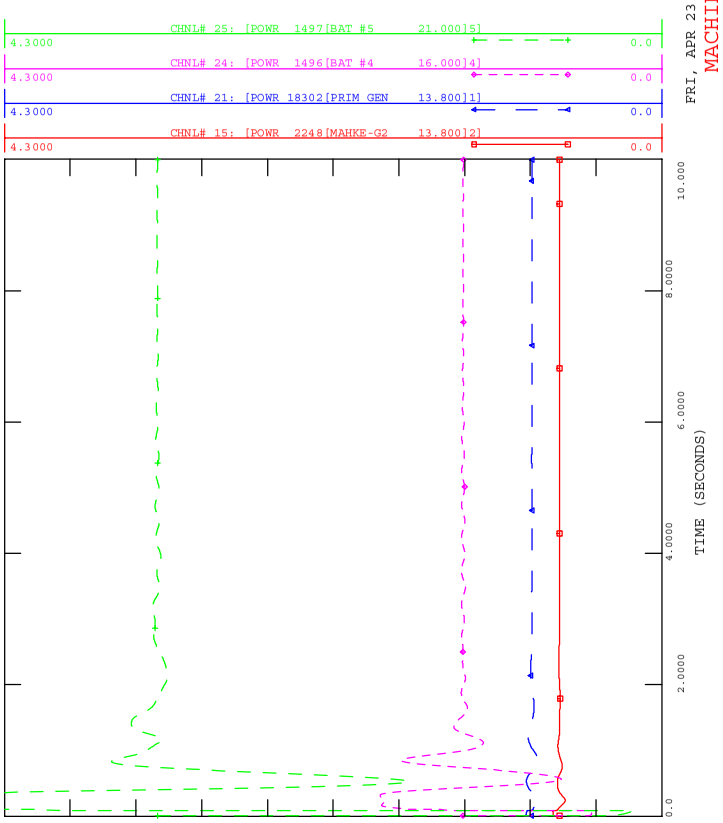
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

MACHINE POWER

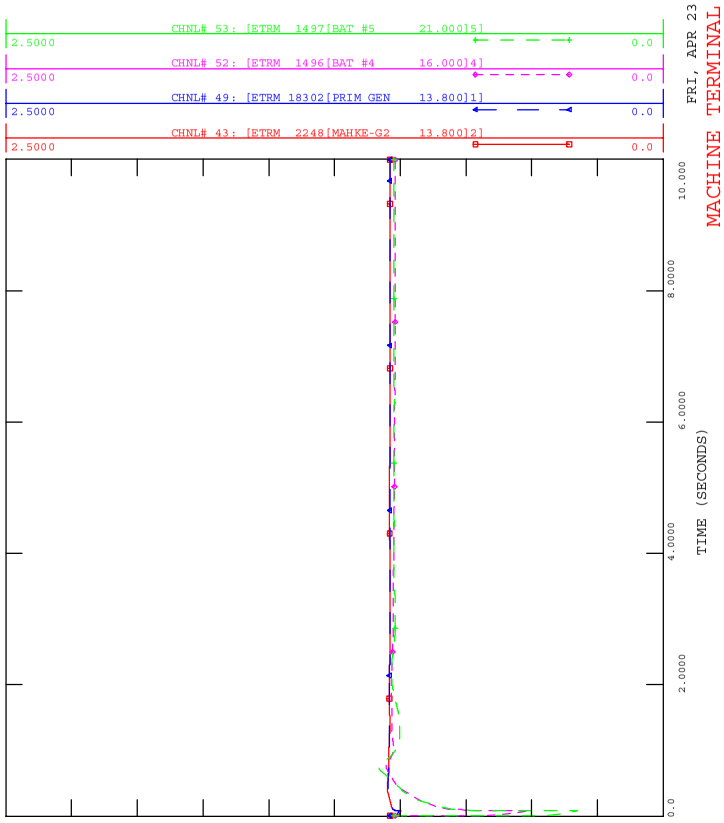


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

MACHINE TERMINAL VOLTAGE

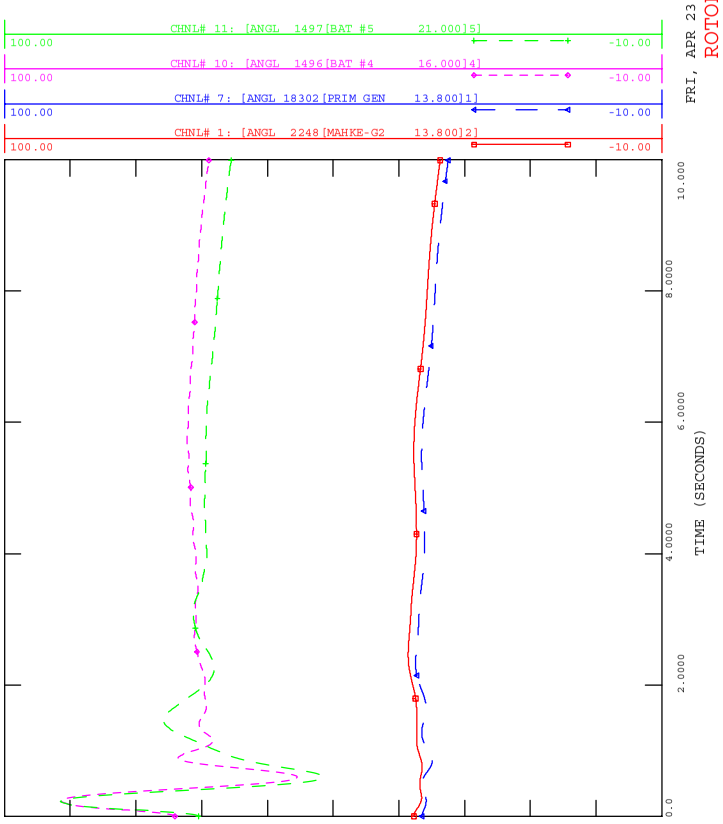


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

ROTOR ANGLES

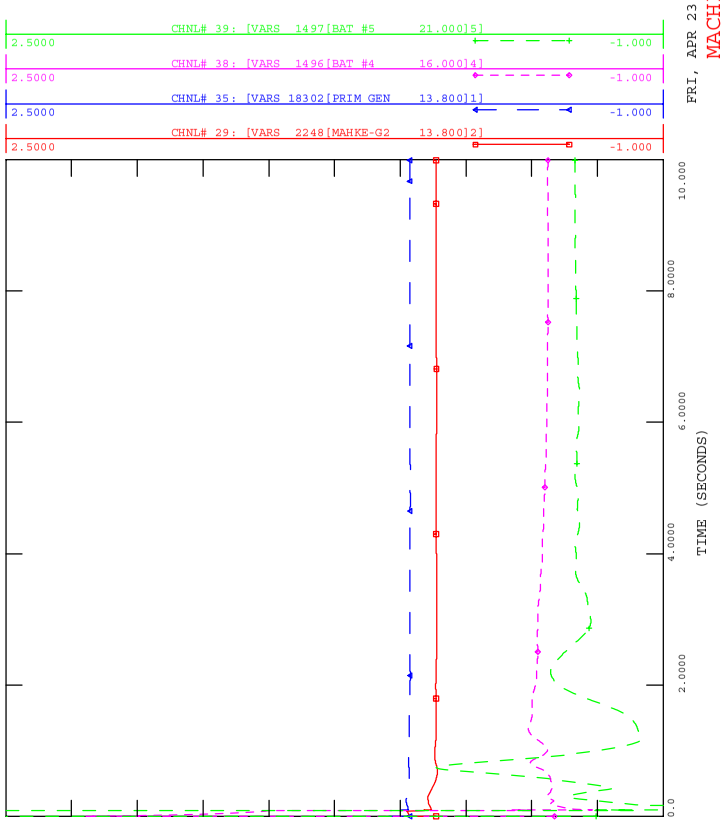


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

MACHINE VARS

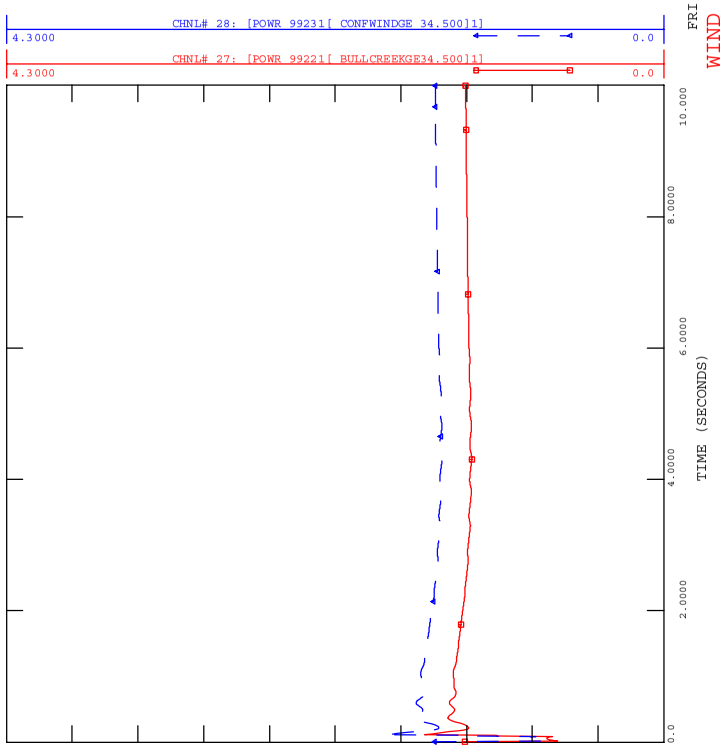


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

WIND MACHINE POWER

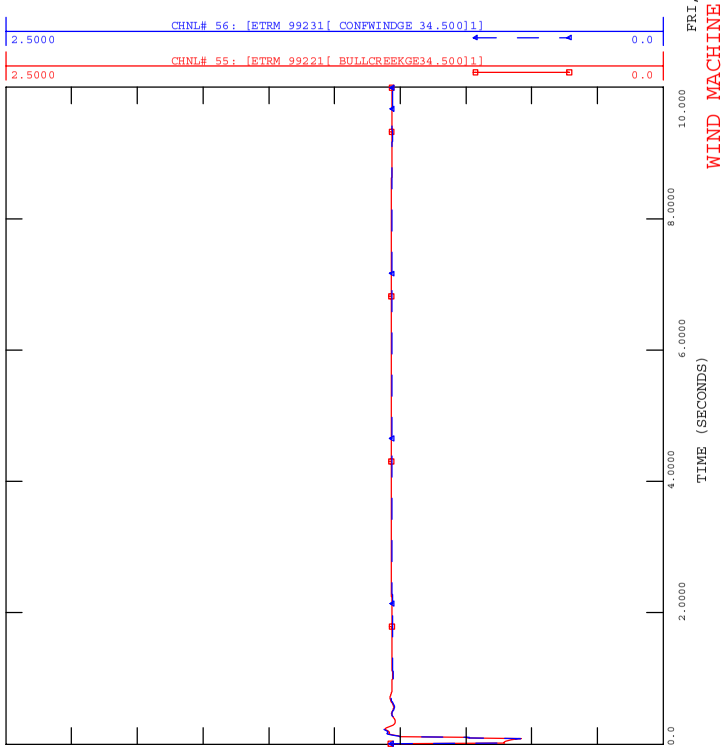


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

WIND MACHINE TERMINAL VOL

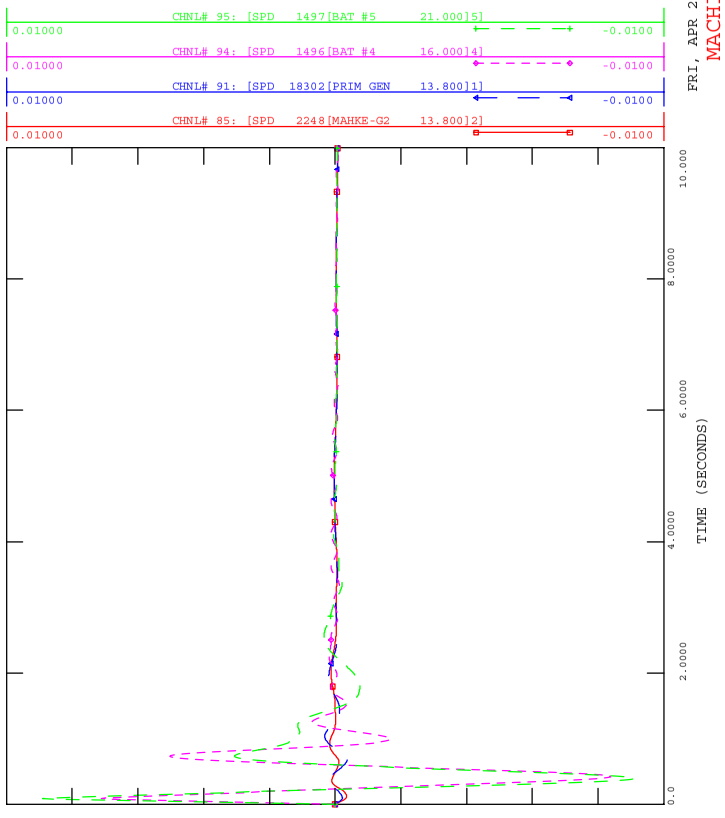


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

MACHINE SPEED

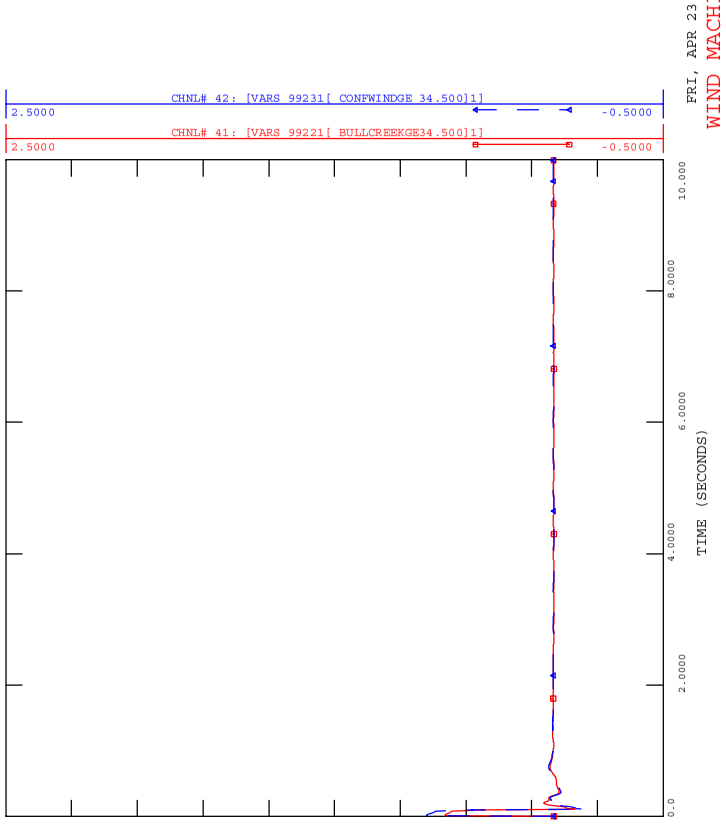


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

WIND MACHINE VARS

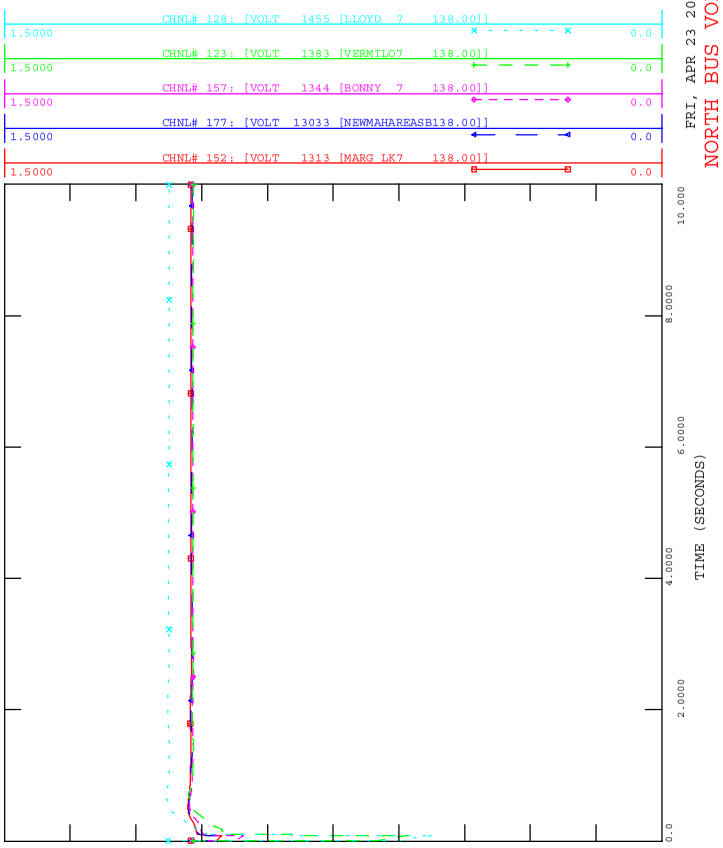


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

NORTH BUS VOLTAGES

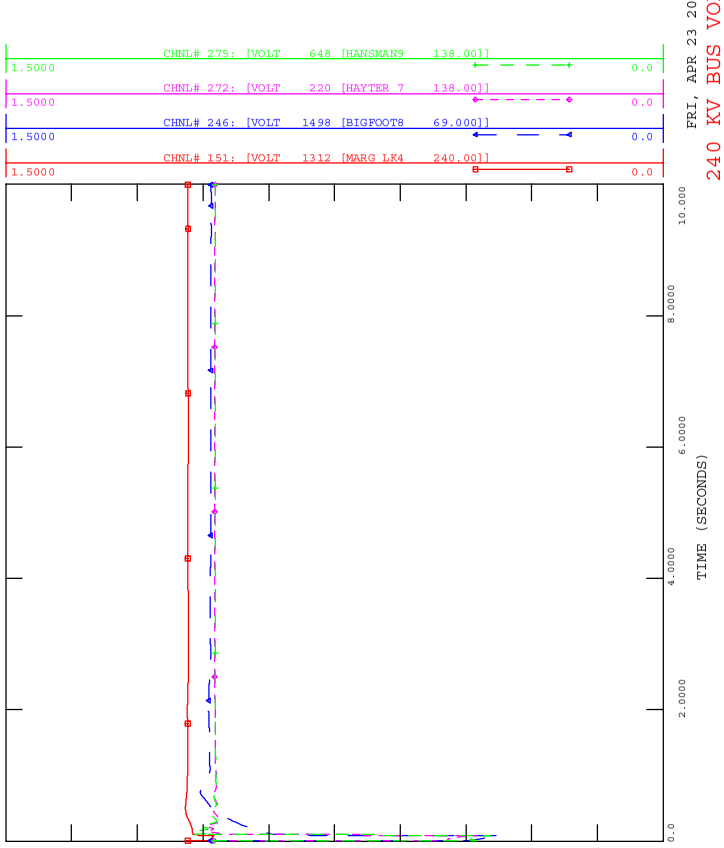


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

240 KV BUS VOLTAGES

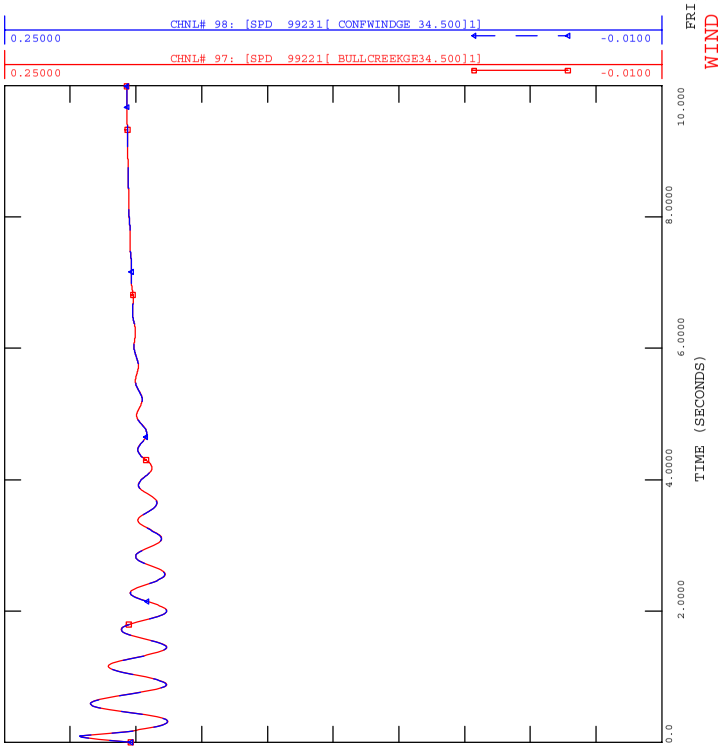


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

WIND MACHINE SPEED

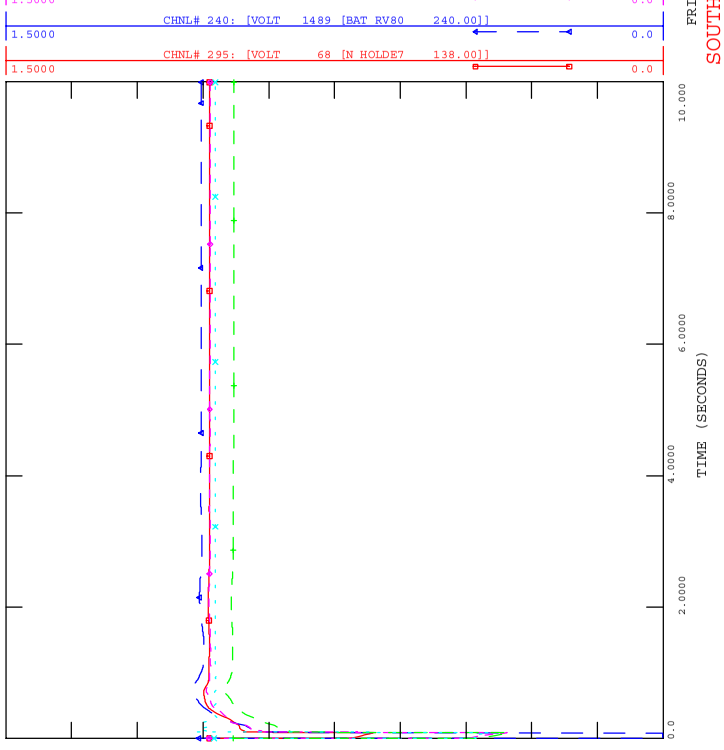


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

SOUTH BUS VOLTAGES



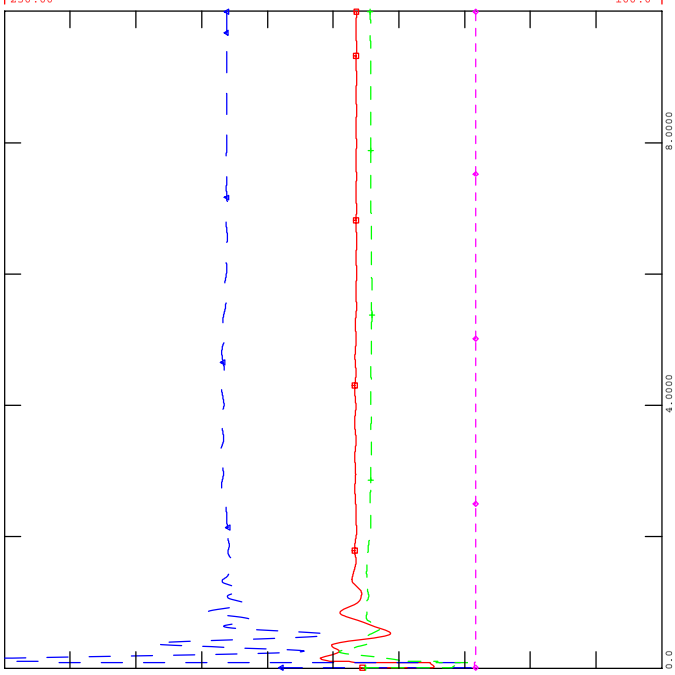
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

SOUTH LINES POWER FLOW

CHNL# 1214: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 926: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1196: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1192: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



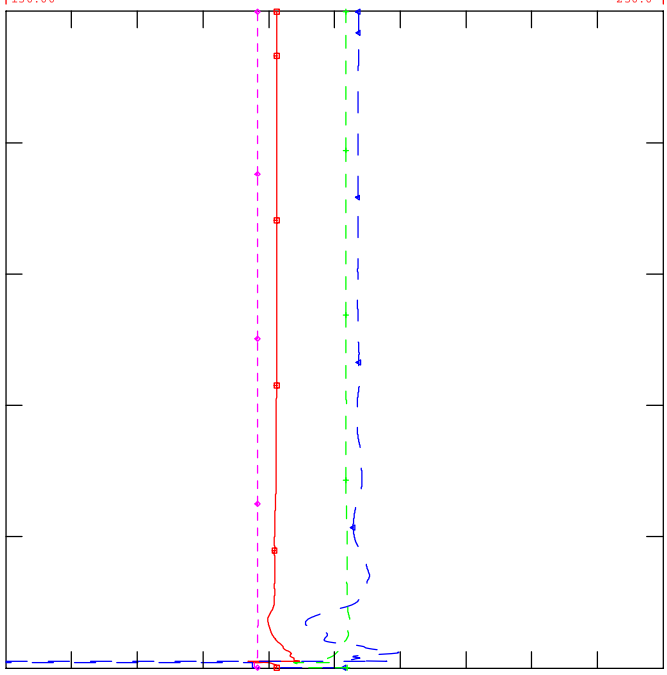
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

SOUTH LINES VAR FLOW

CHNL# 1215: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 927: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1197: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1193: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



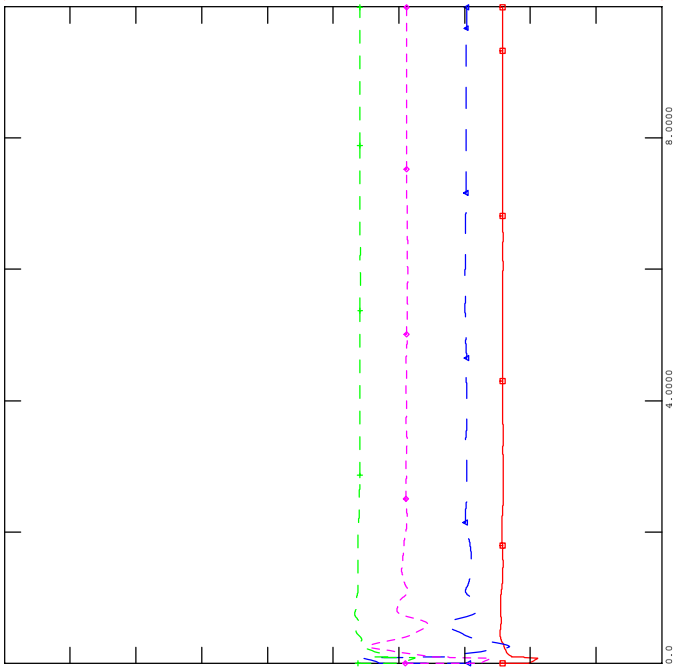
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

NORTH LINES POWER FLOW

CHNL# 372: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1170: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1150: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 622: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



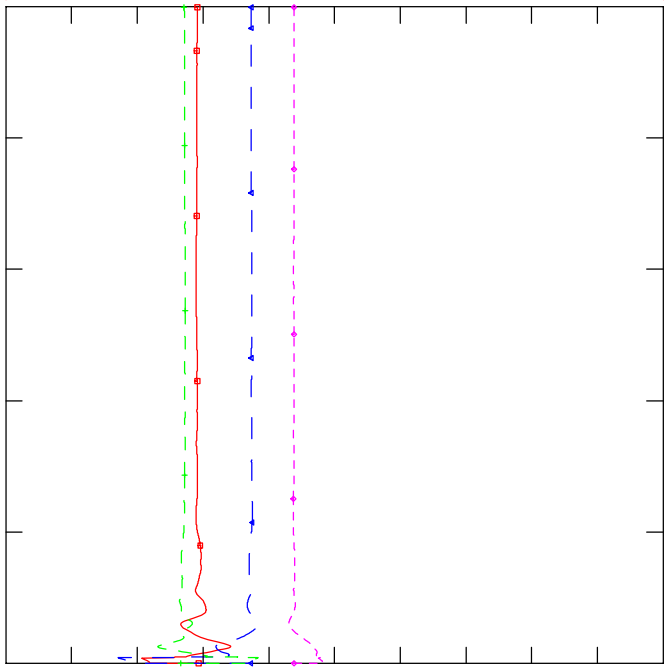
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

FRI, APR 23 2010 17:11

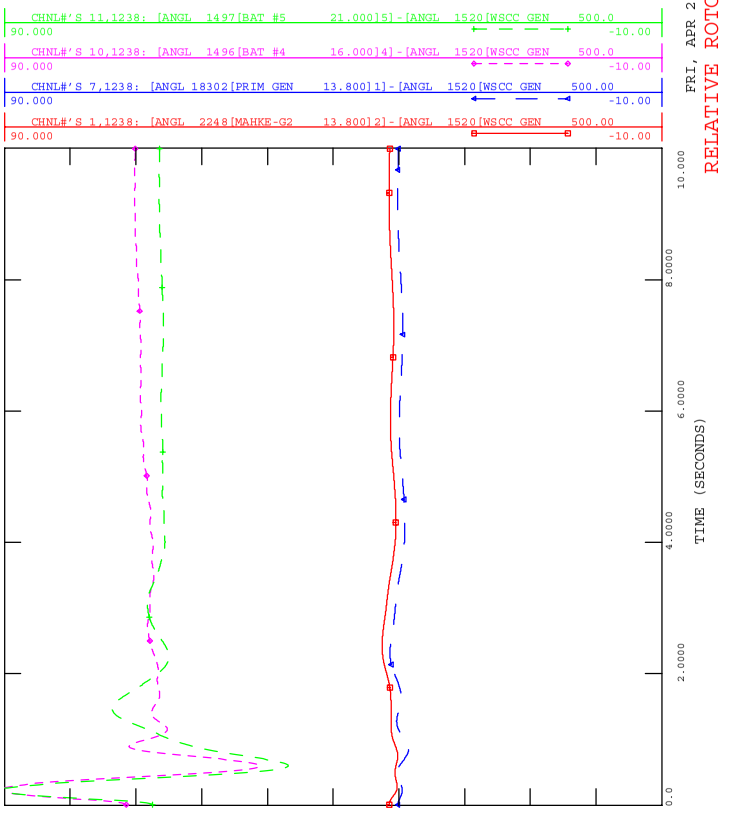
NORTH LINES VAR FLOW

CHNL# 373: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1171: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1151: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 623: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

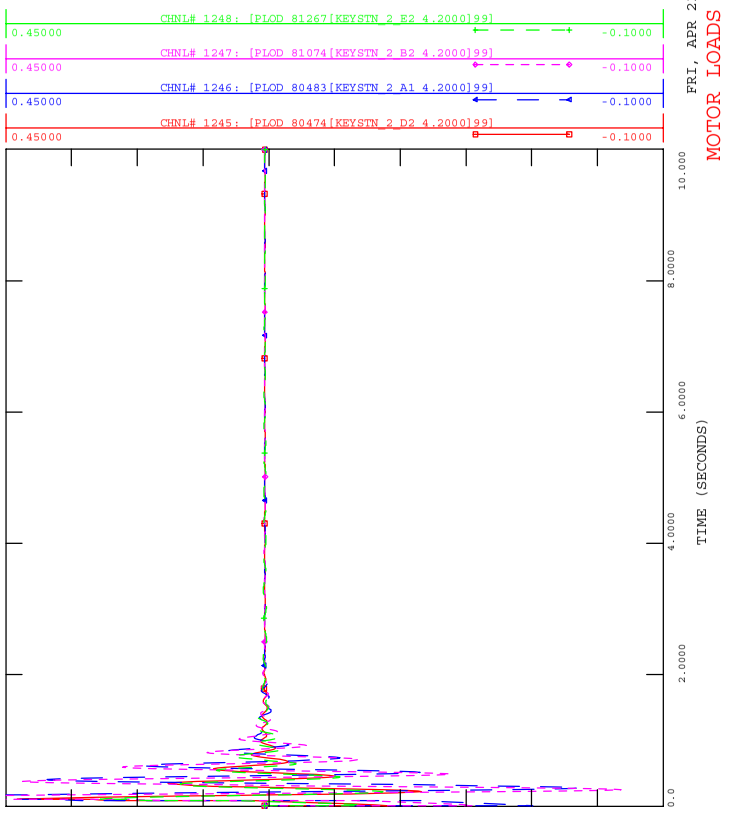


FRI, APR 23 2010 17:11

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

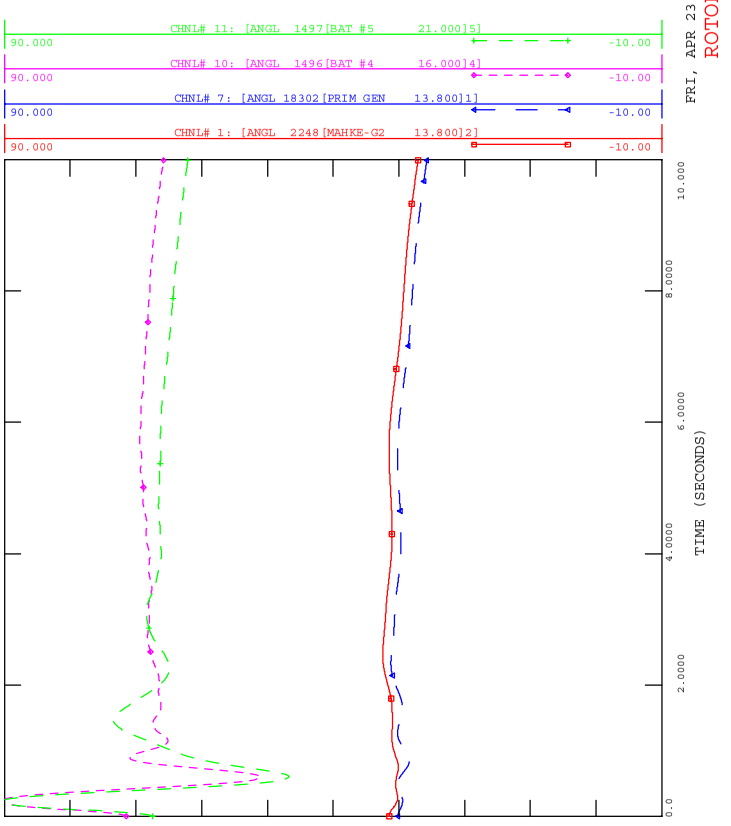


FRI, APR 23 2010 17:11

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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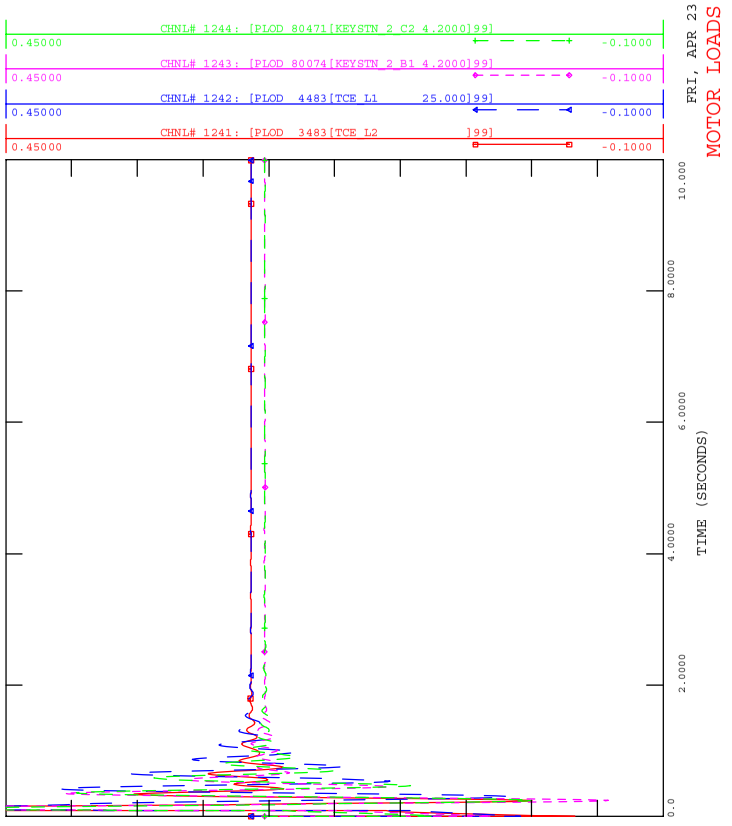


FRI, APR 23 2010 17:11

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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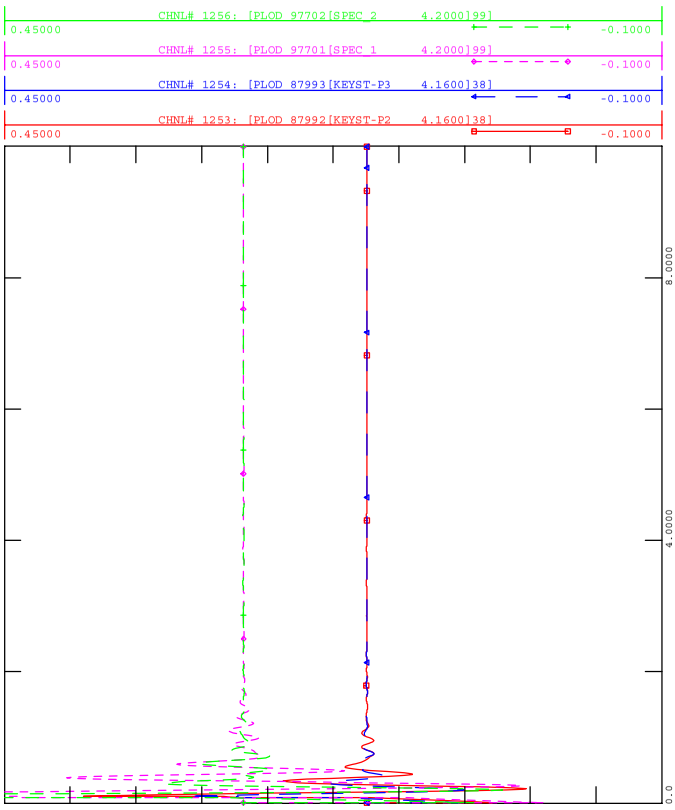


FRI, APR 23 2010 17:11

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out

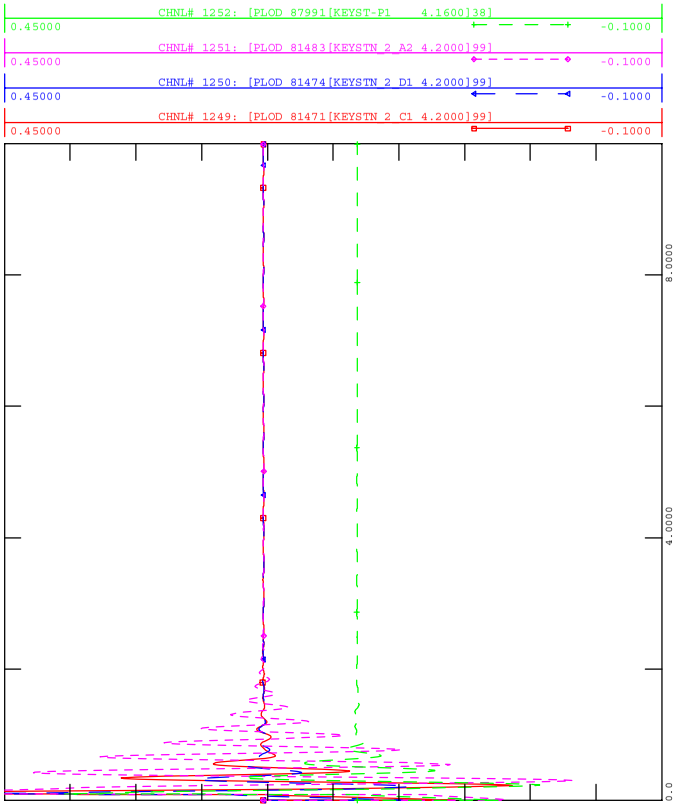


FRI, APR 23 2010 17:11

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B10faultb.out



FRI, APR 23 2010 17:11

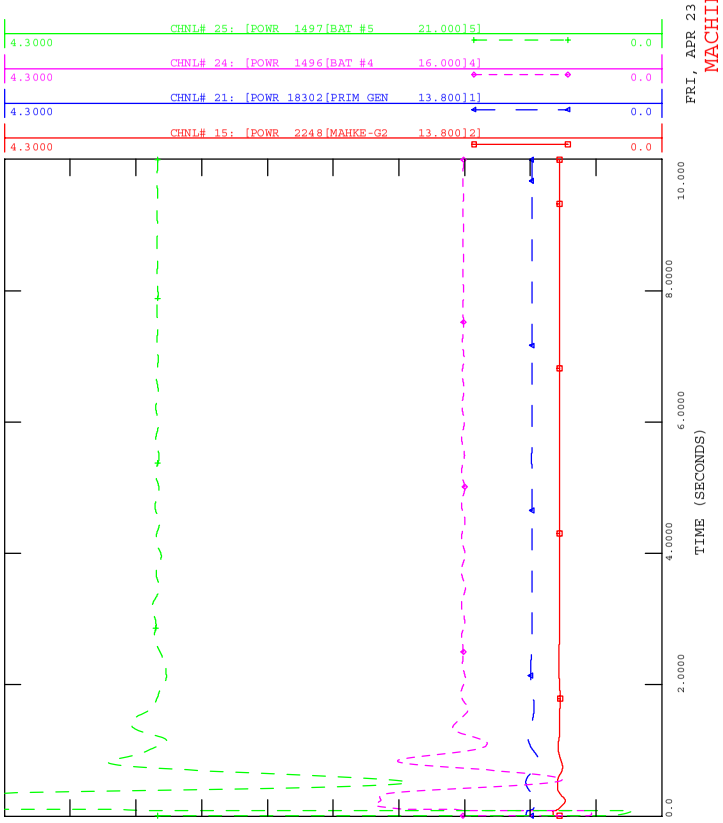
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

MACHINE POWER

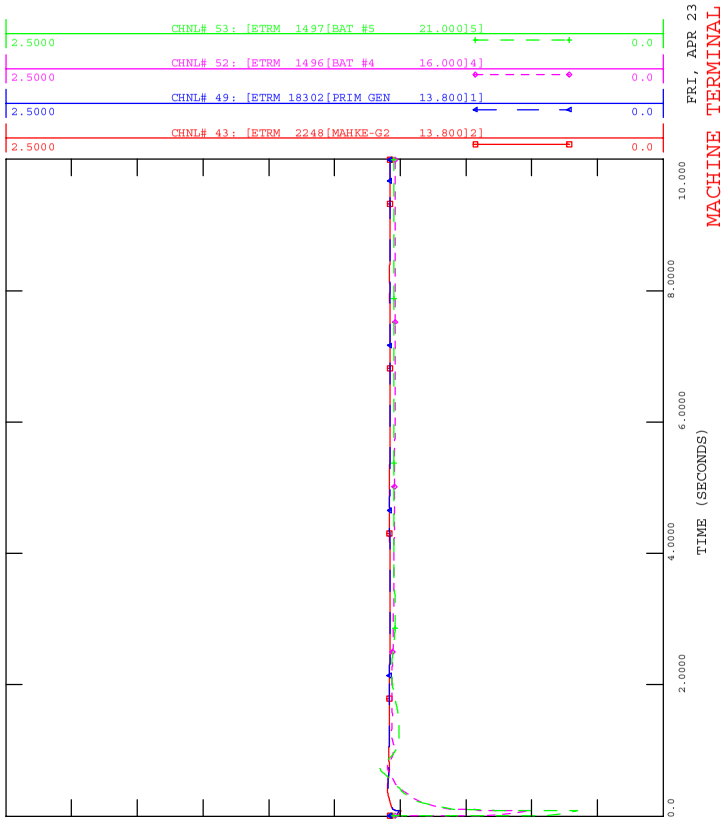


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

MACHINE TERMINAL VOLTAGE

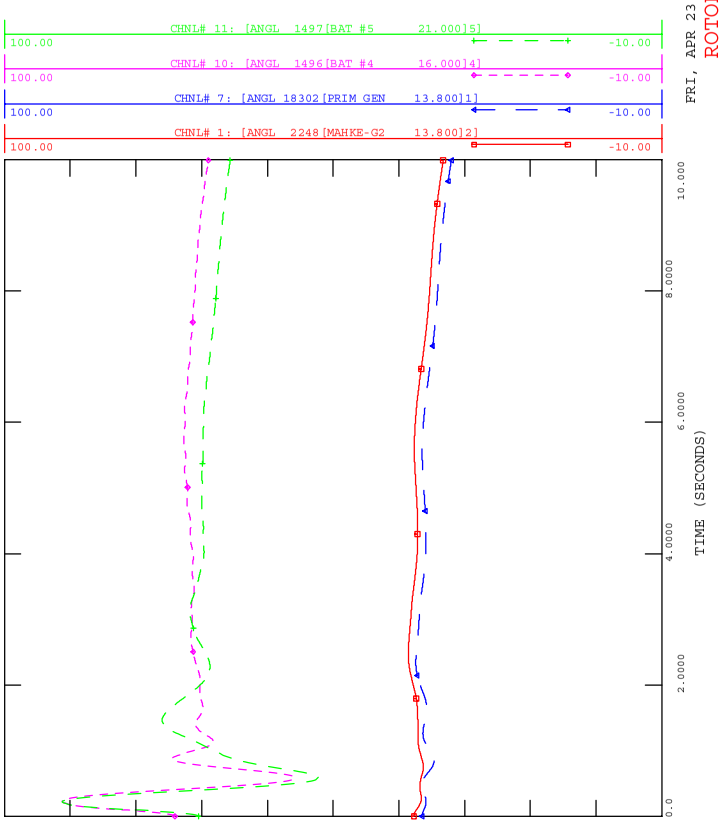


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

ROTOR ANGLES

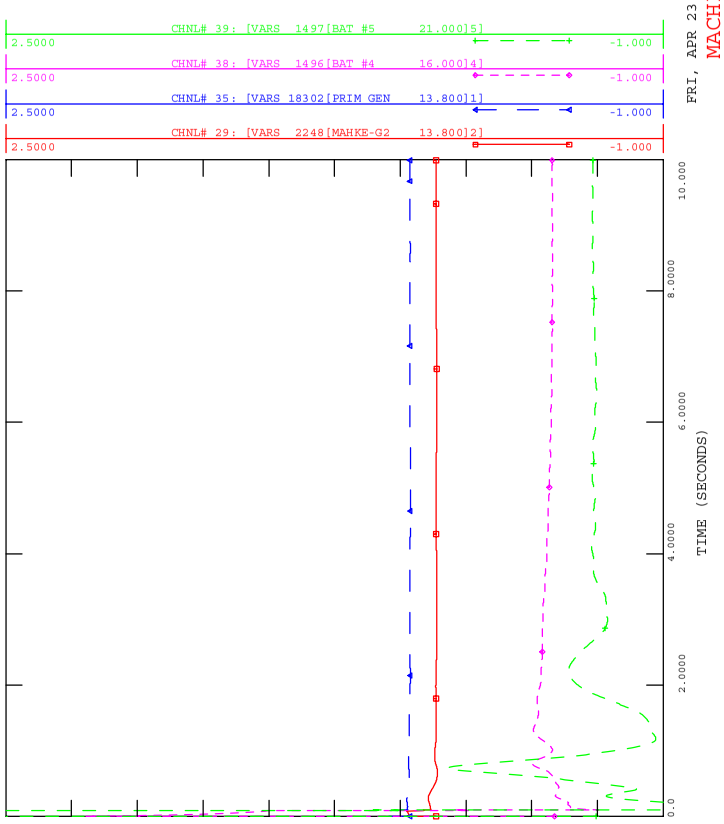


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

MACHINE VARS

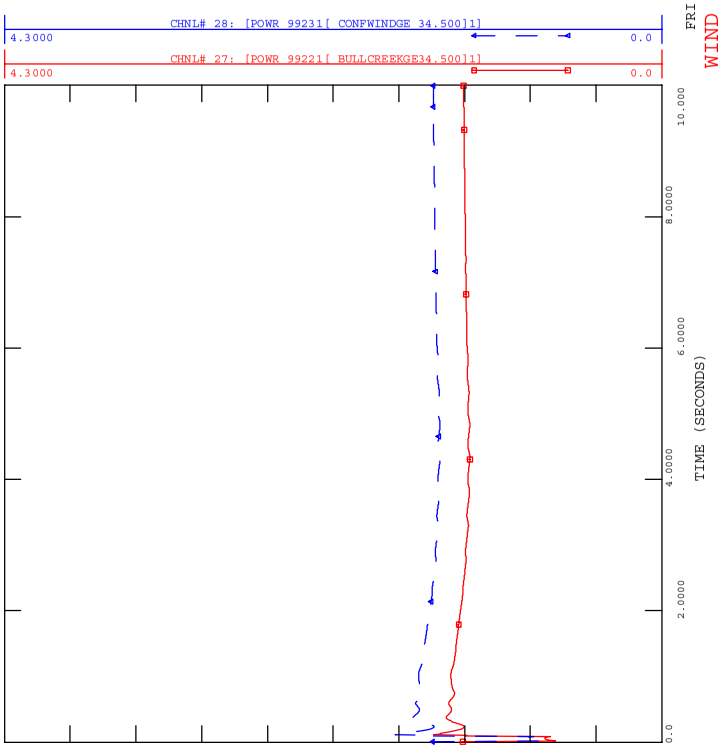


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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FRI, APR 23 2010 17:13

WIND MACHINE POWER

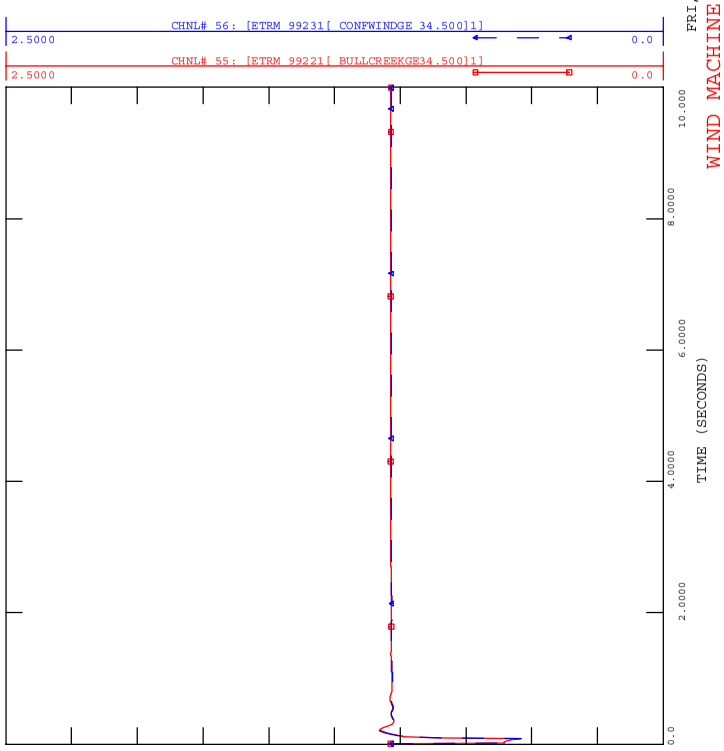


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

WIND MACHINE TERMINAL VOL

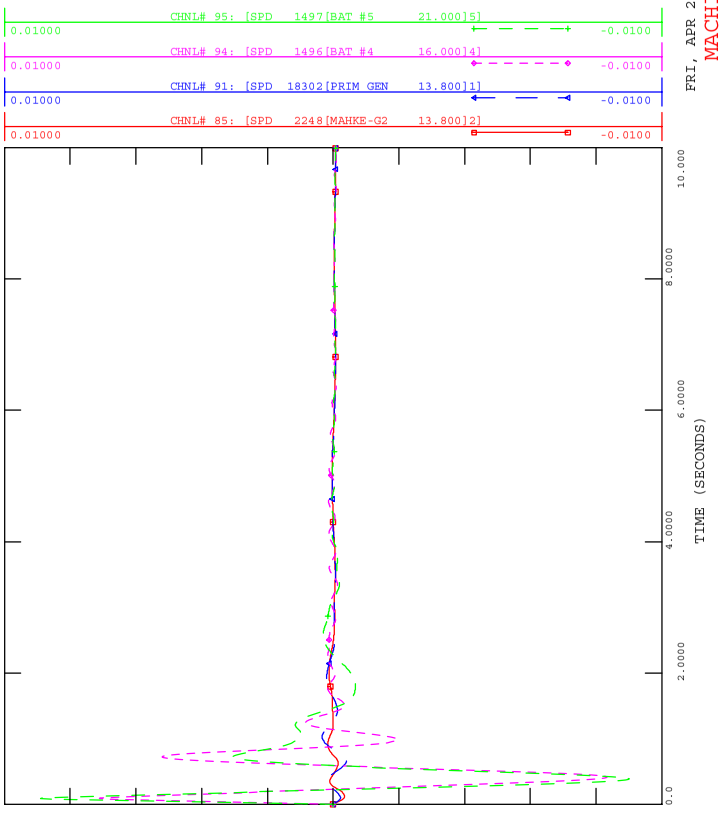


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

MACHINE SPEED

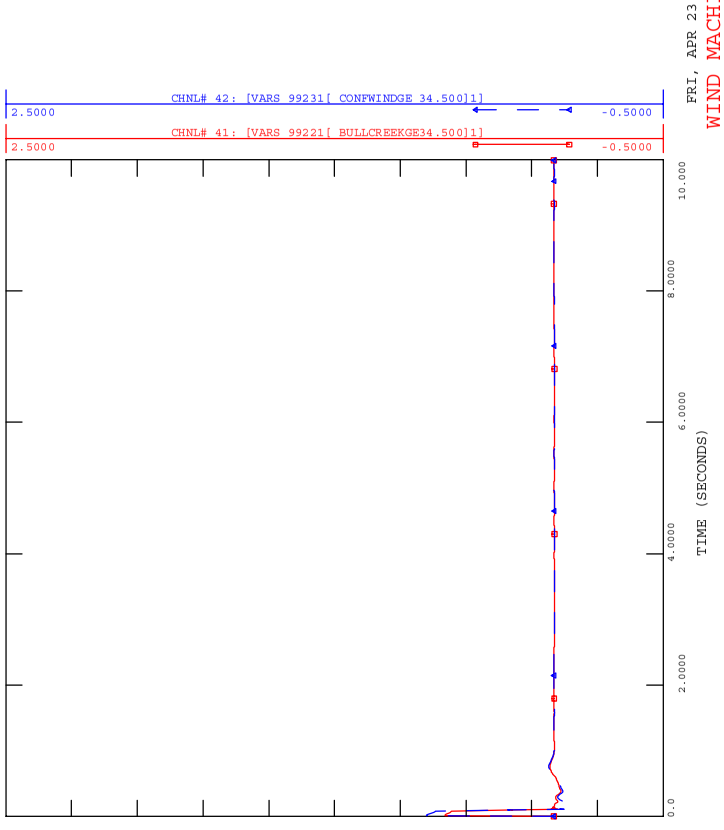


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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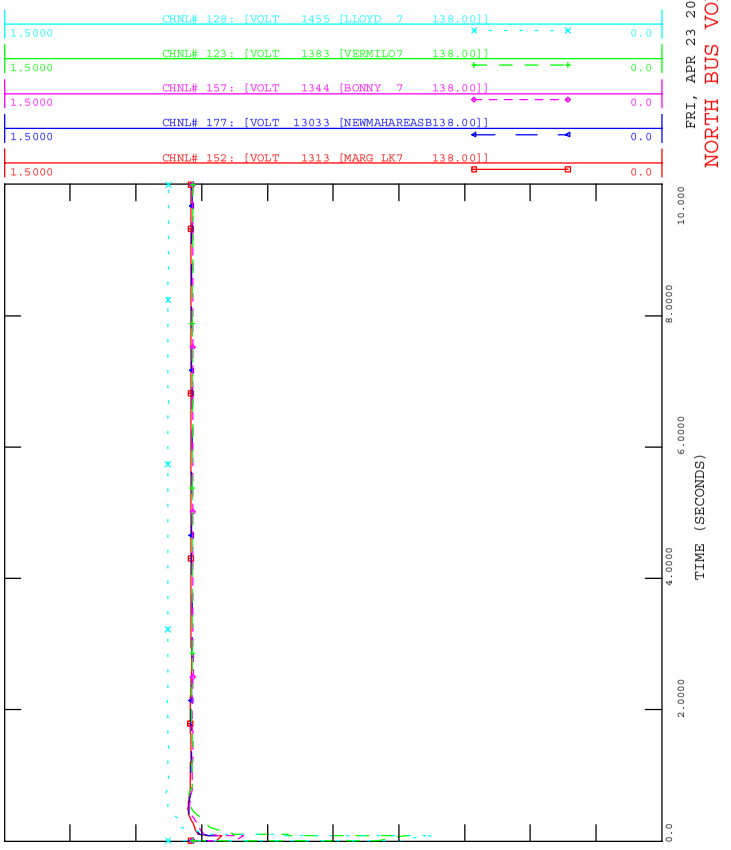
FRI, APR 23 2010 17:13

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

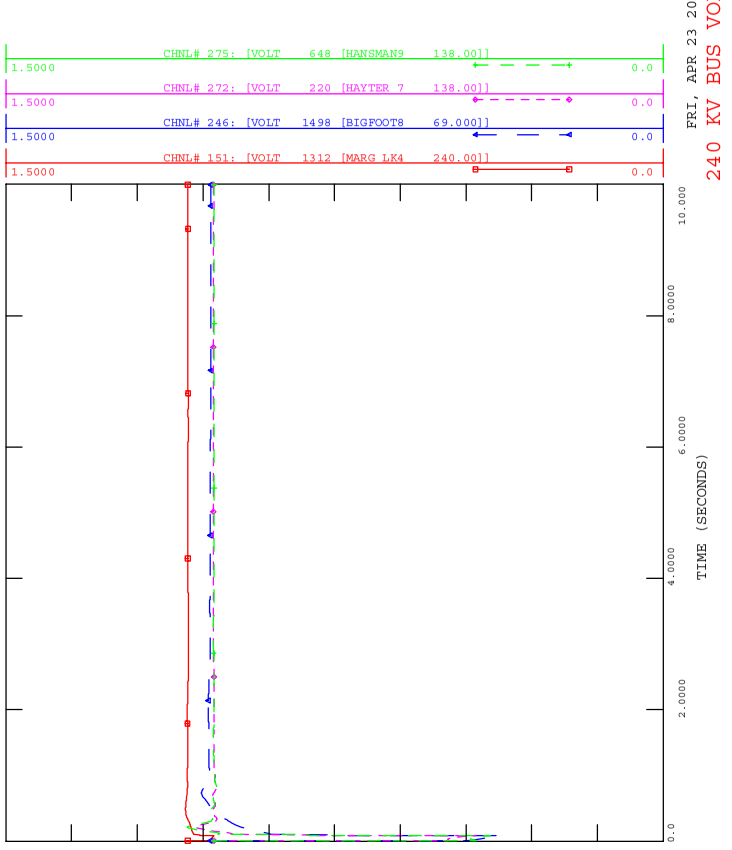


FRI, APR 23 2010 17:13

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

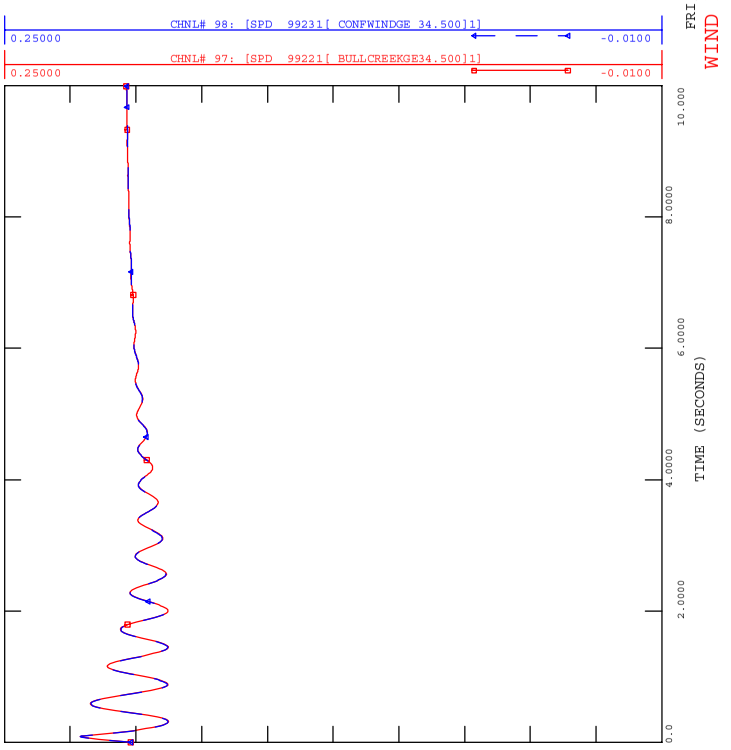


FRI, APR 23 2010 17:13

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

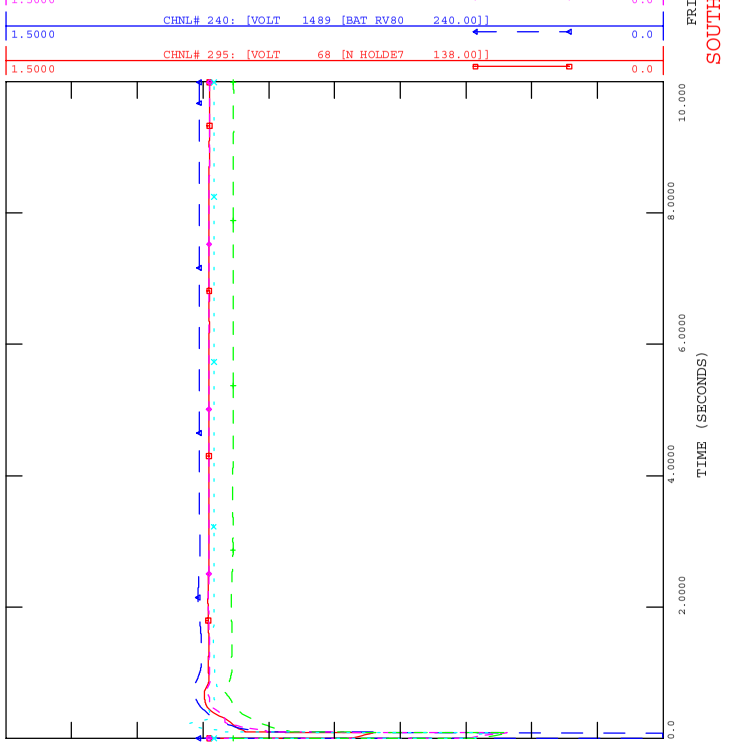


FRI, APR 23 2010 17:13

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out



FRI, APR 23 2010 17:13

SOUTH BUS VOLTAGES

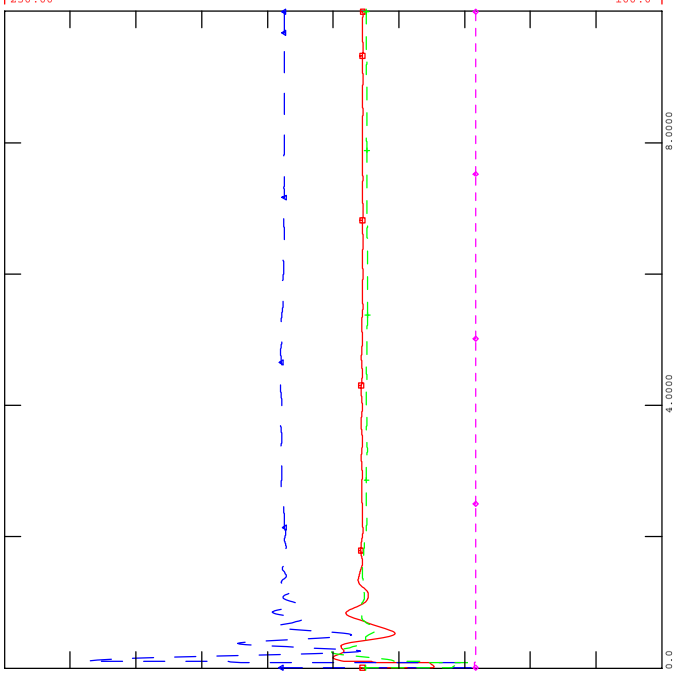
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

SOUTH LINES POWER FLOW

CHNL# 1214: [748L EDGERTON - BRIKER]
250.00 -100.0
CHNL# 926: [749AL METISKOW - KILLARNEY LAKE]
250.00 -100.0
CHNL# 1196: [9L953 CORDEL - NILREM]
250.00 -100.0
CHNL# 1192: [7L50 BATTLE RIVER - JARROW TAP]
250.00 -100.0



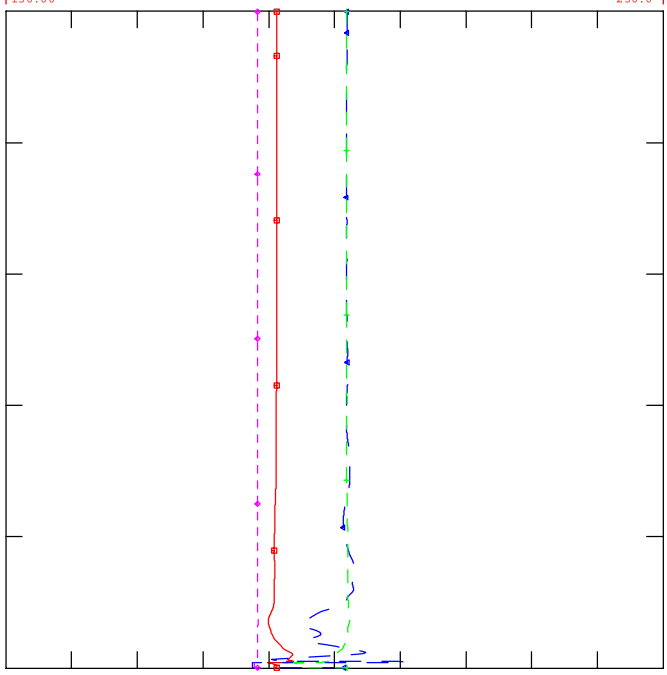
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

SOUTH LINES VAR FLOW

CHNL# 1215: [748L EDGERTON - BRIKER]
150.00 -250.0
CHNL# 927: [749AL METISKOW - KILLARNEY LAKE]
150.00 -250.0
CHNL# 1197: [9L953 CORDEL - NILREM]
150.00 -250.0
CHNL# 1193: [7L50 BATTLE RIVER - JARROW TAP]
150.00 -250.0



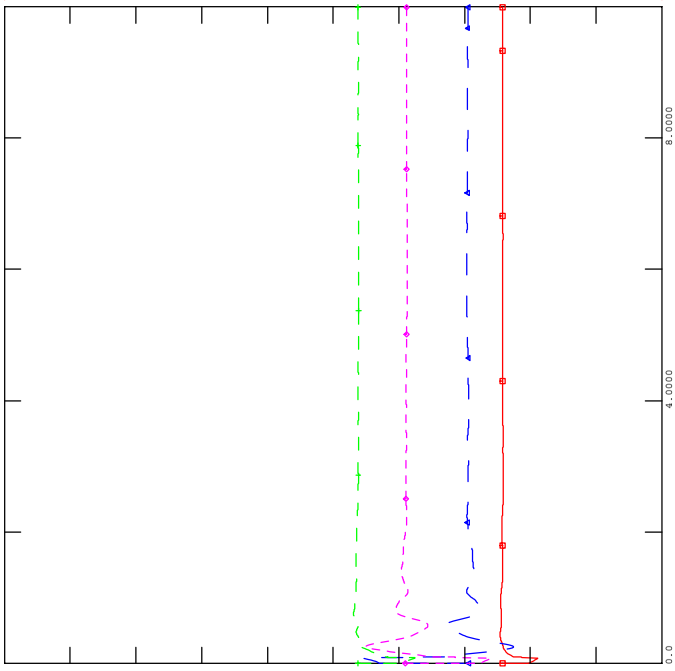
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

NORTH LINES POWER FLOW

CHNL# 372: [7L42 LLOYDMINSTER - HILL]
250.00 -100.0
CHNL# 1170: [7L50 BUFFALO - BATTLE RIVER]
250.00 -100.0
CHNL# 1150: [7L53 BONNYVILLE - IRISH CREEK]
250.00 -100.0
CHNL# 622: [NEW MAHIHKAN - BONNYVILLE]
250.00 -100.0



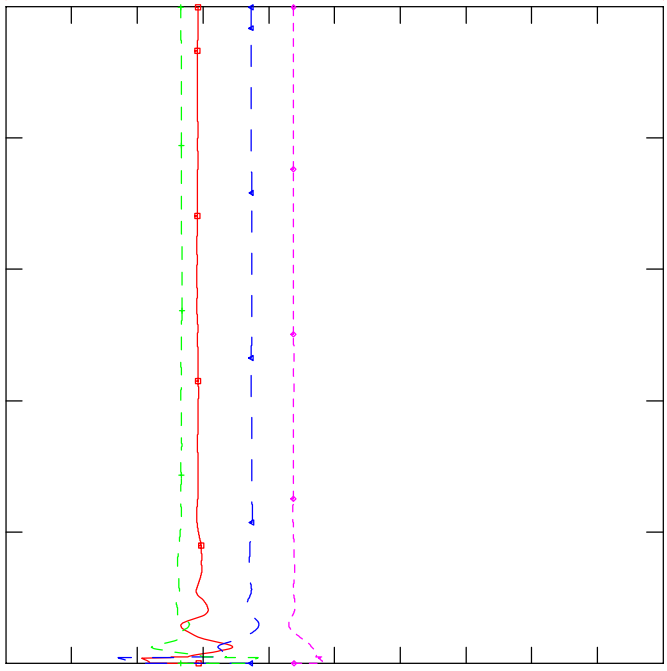
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

FRI, APR 23 2010 17:13

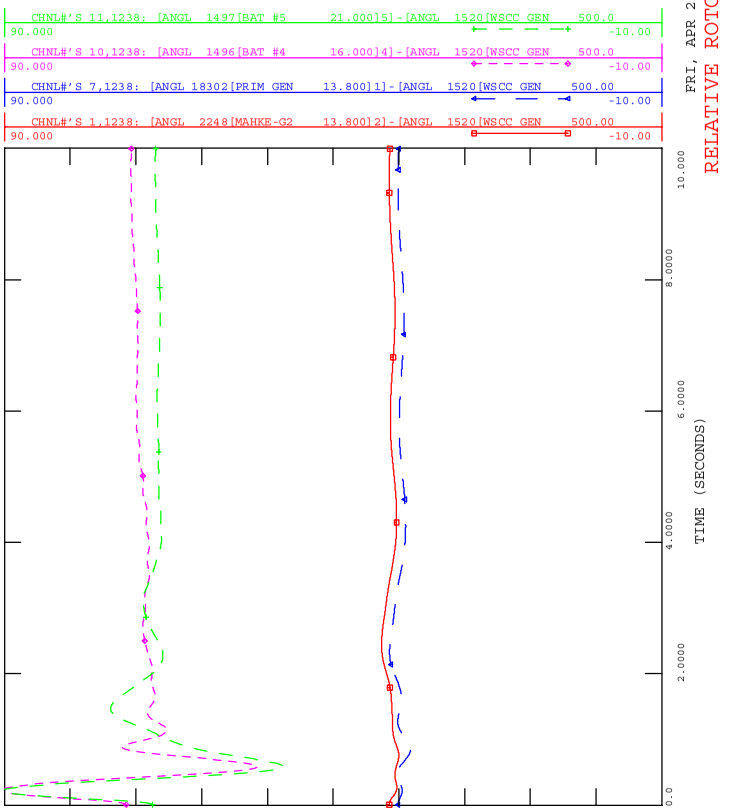
NORTH LINES VAR FLOW

CHNL# 373: [7L42 LLOYDMINSTER - HILL]
150.00 -250.0
CHNL# 1171: [7L50 BUFFALO CREEK - BATTLE RIVE]
150.00 -250.0
CHNL# 1151: [7L53 BONNYVILLE - IRISH CREEK]
150.00 -250.0
CHNL# 623: [NEW MAHIHKAN - BONNYVILLE]
150.00 -250.0



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

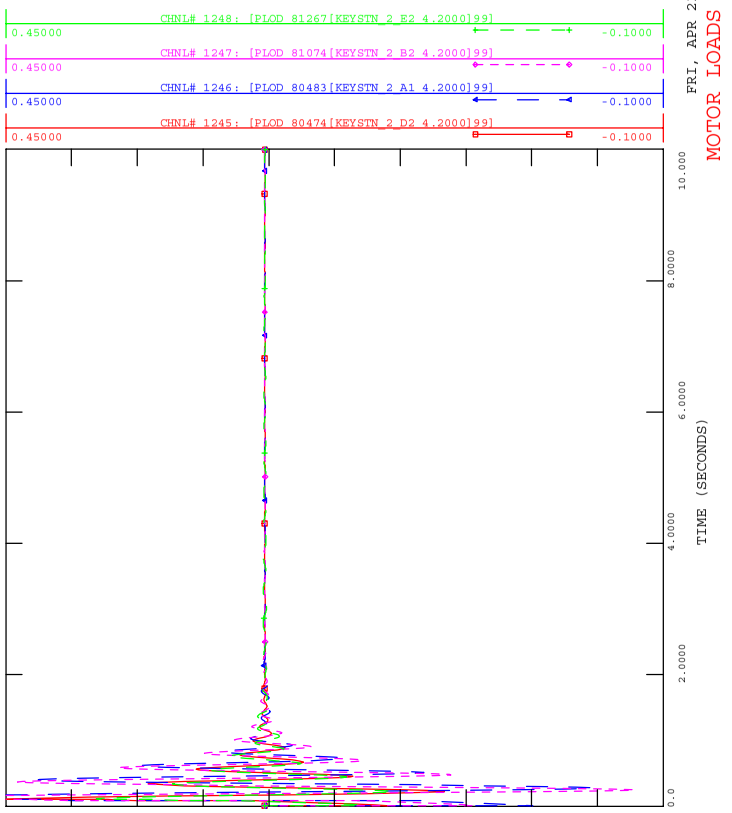


FRI, APR 23 2010 17:13

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

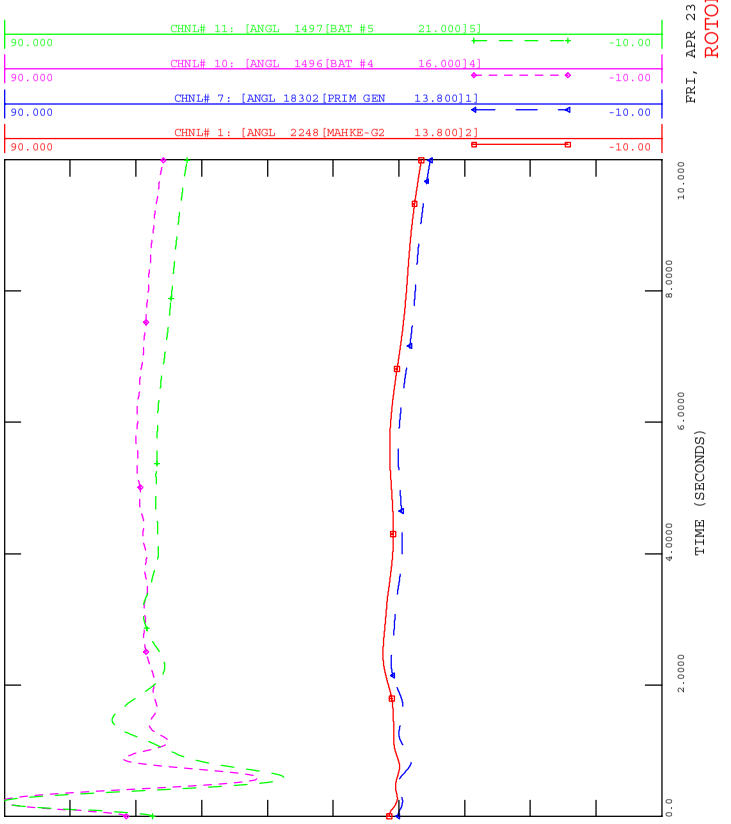


FRI, APR 23 2010 17:13

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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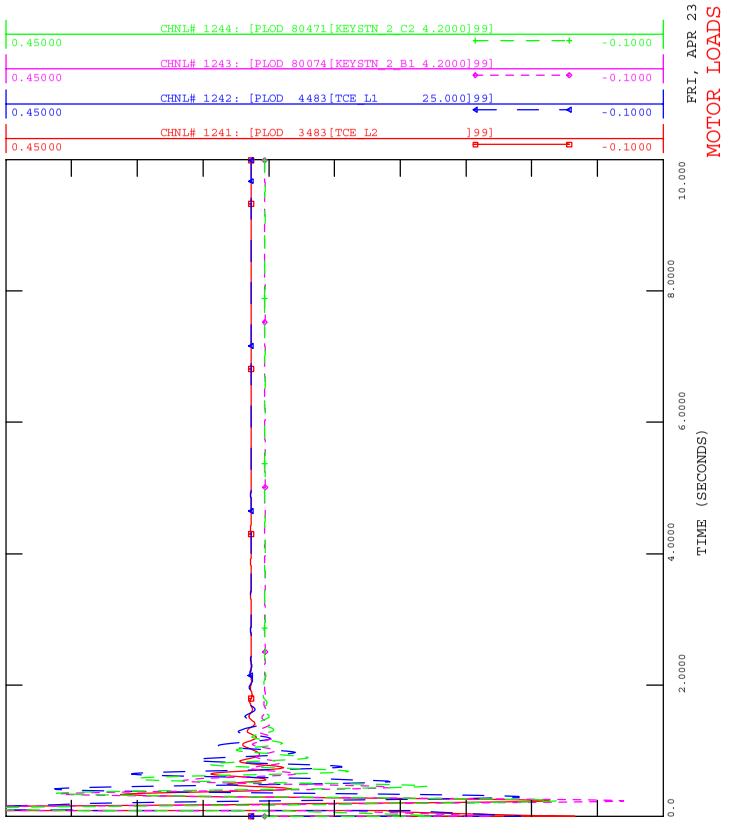


FRI, APR 23 2010 17:13

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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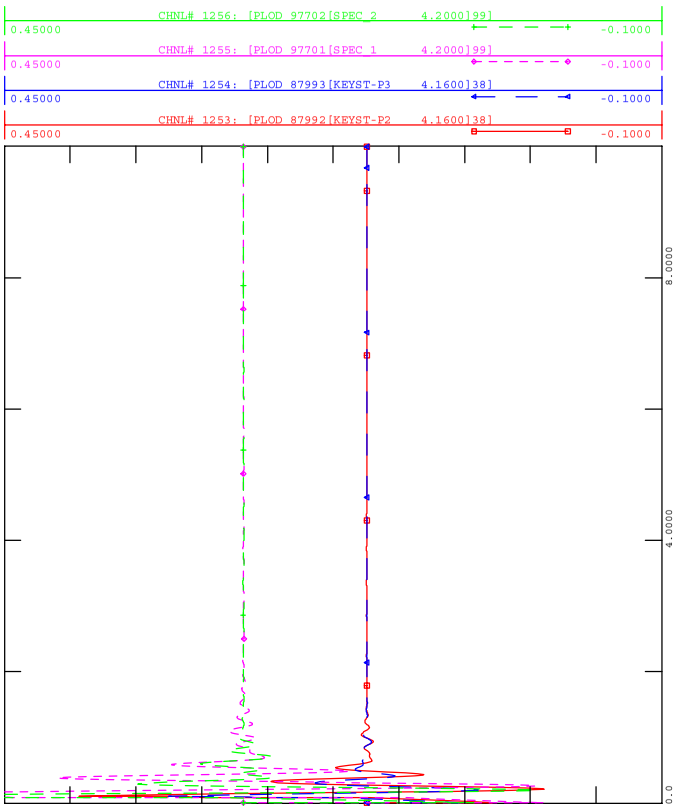


FRI, APR 23 2010 17:13

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out

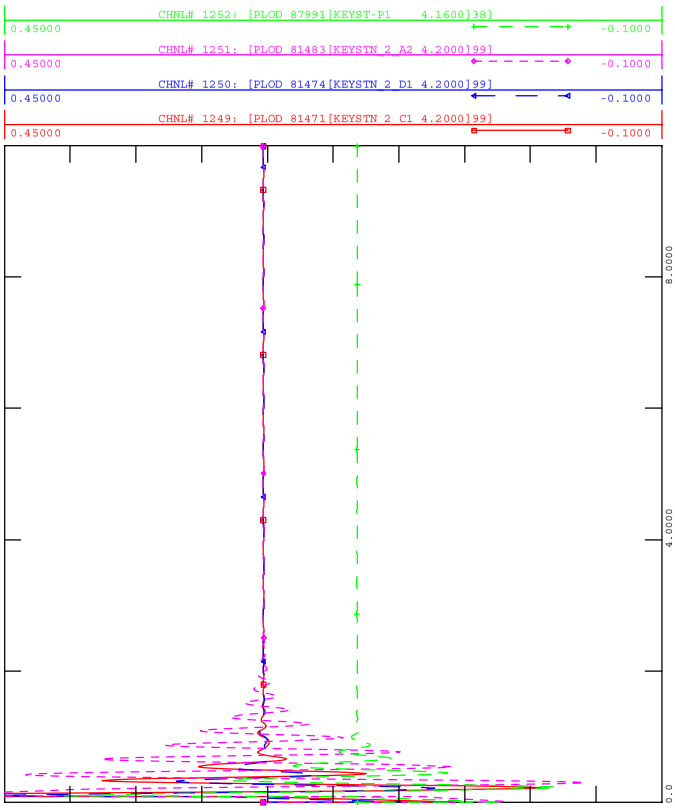


FRI, APR 23 2010 17:13

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: B11fault.out



FRI, APR 23 2010 17:13

MOTOR LOADS GROUP III

Dynamic Stability Plots

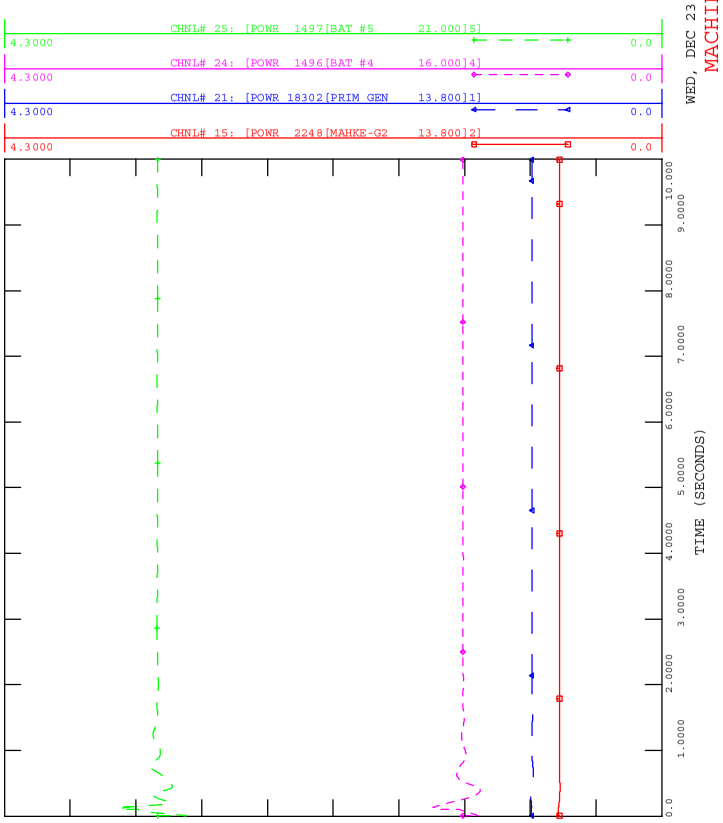
2017 Summer Light
Category C Contingencies

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

MACHINE POWER

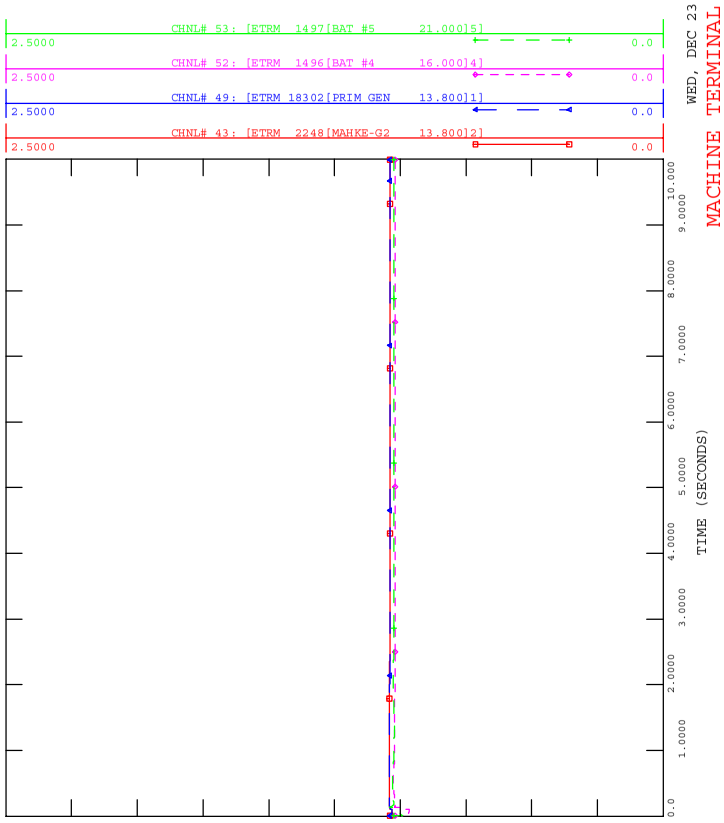


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

MACHINE TERMINAL VOLTAGE

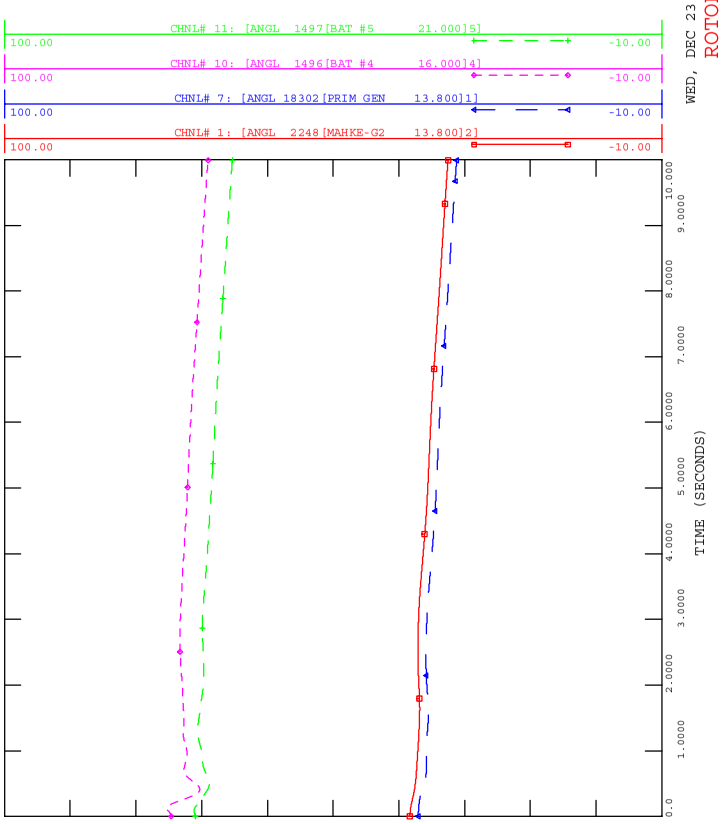


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

ROTOR ANGLES

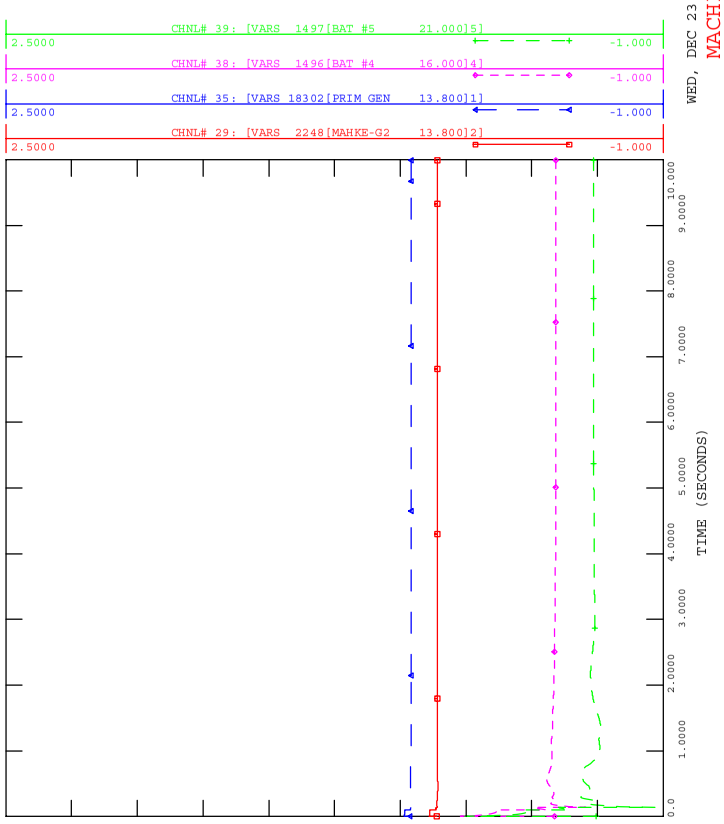


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

MACHINE VARS

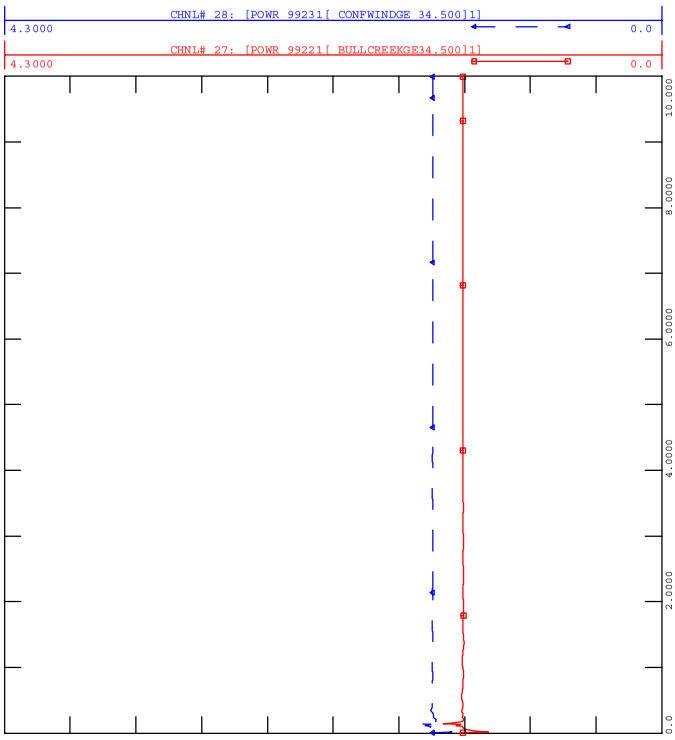


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

WIND MACHINE POWER

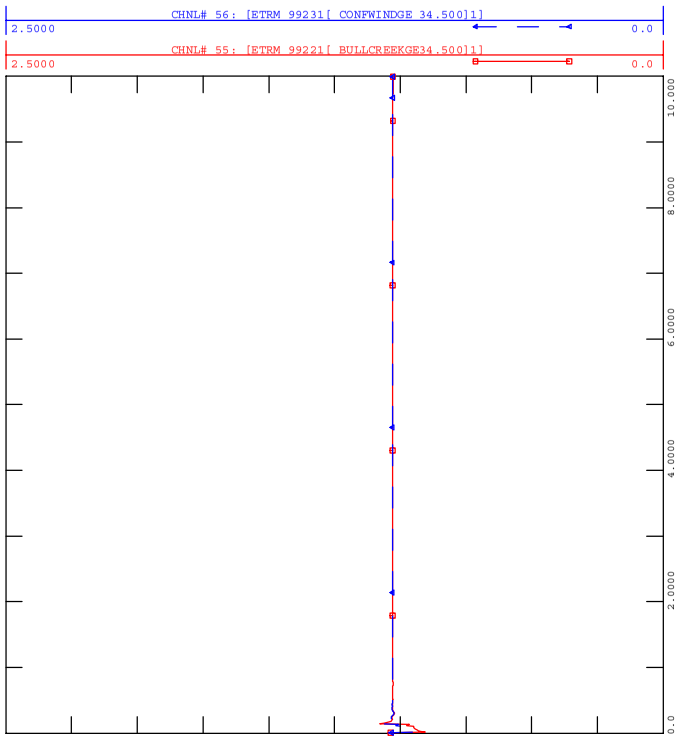


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

WIND MACH. TERMINAL VOLTS

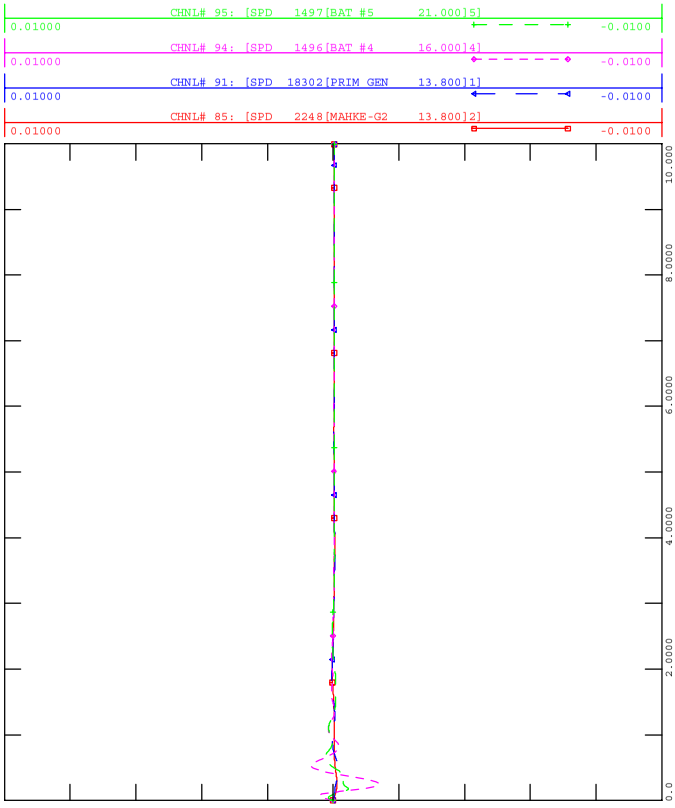


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

MACHINE SPEED

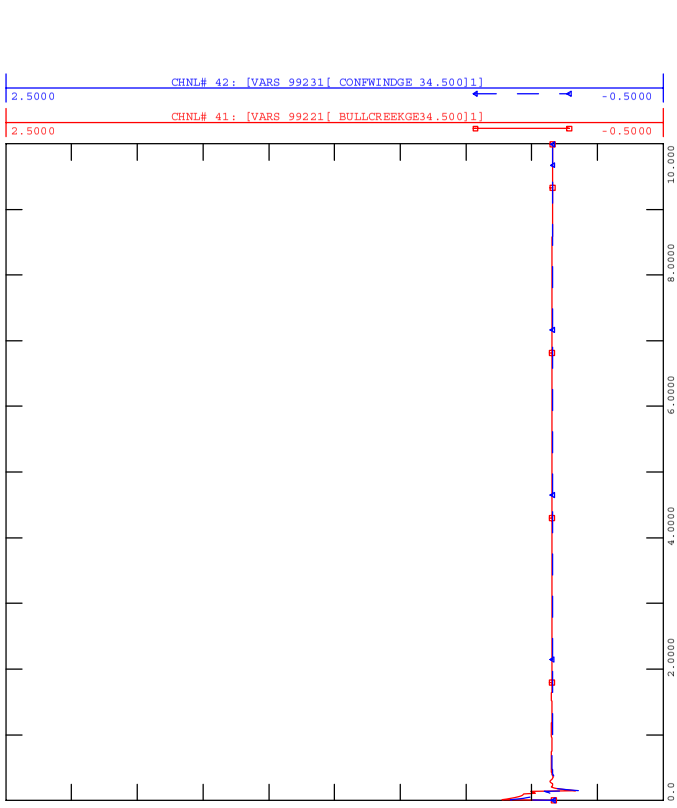


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

WIND MACHINE VARS

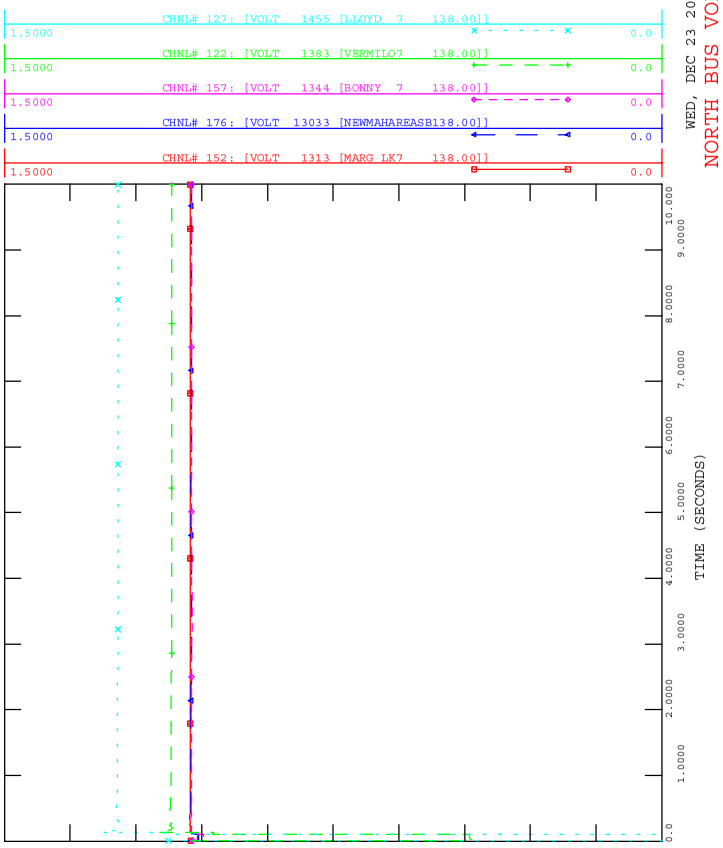


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

NORTH BUS VOLTAGES

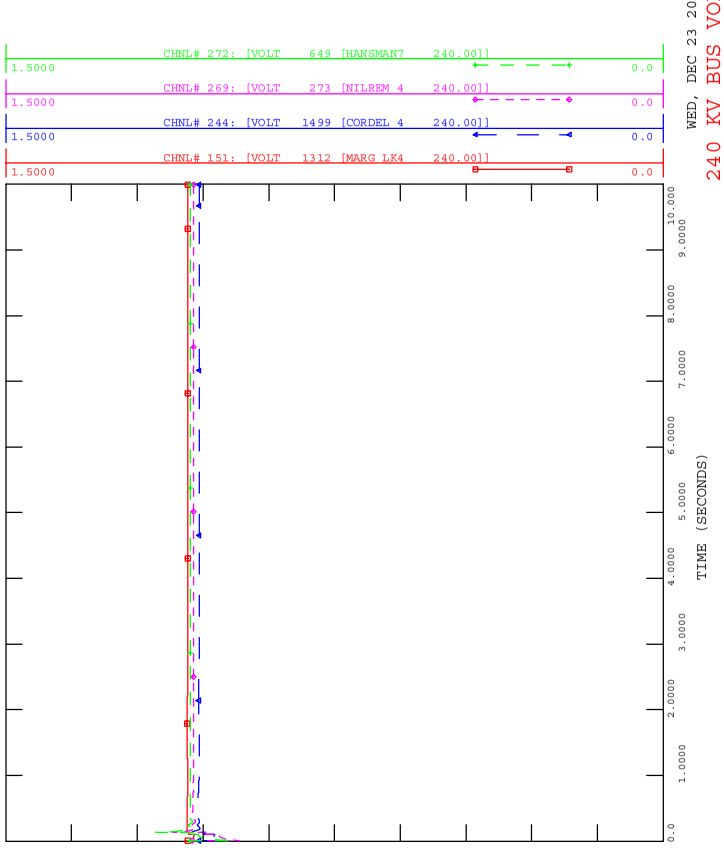


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

240 KV BUS VOLTAGES

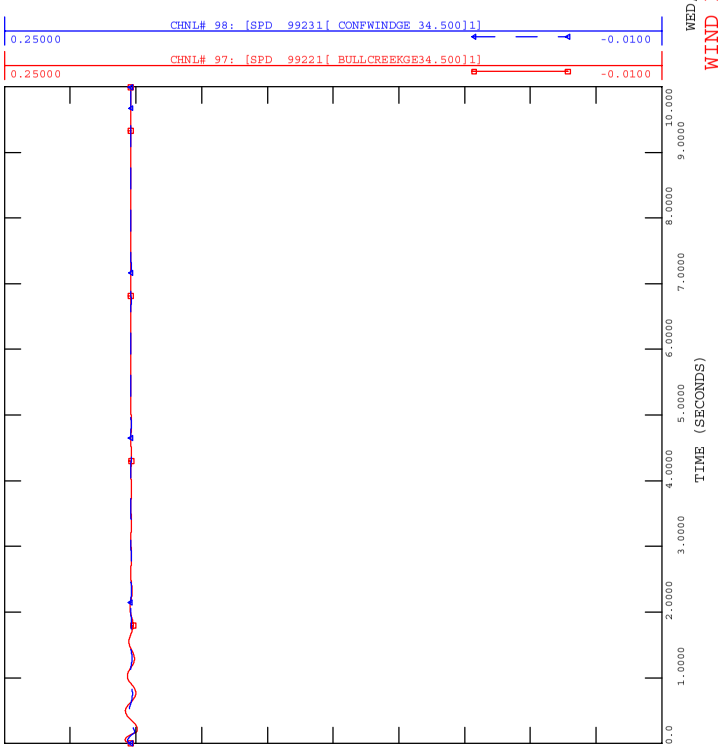


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

WED, DEC 23 2009 15:51

WIND MACHINE SPEED

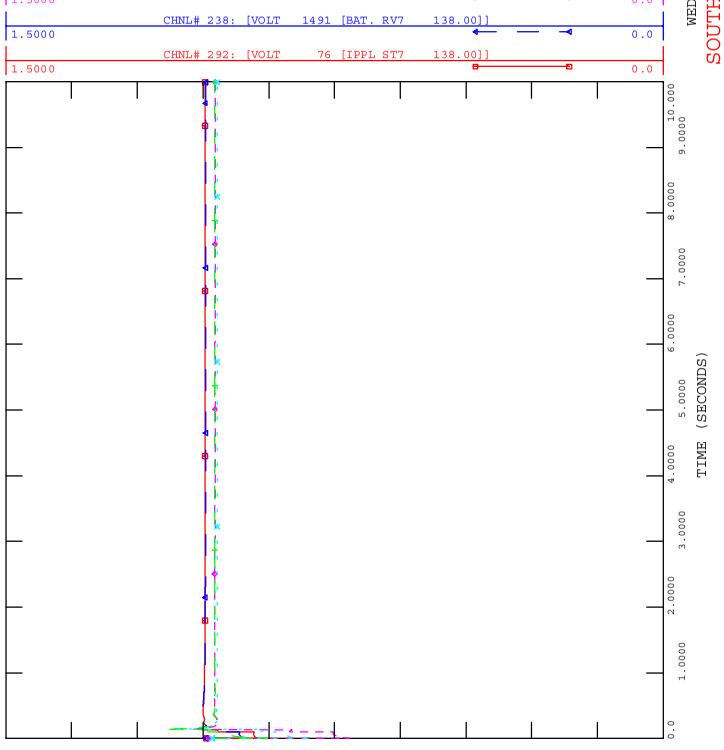


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

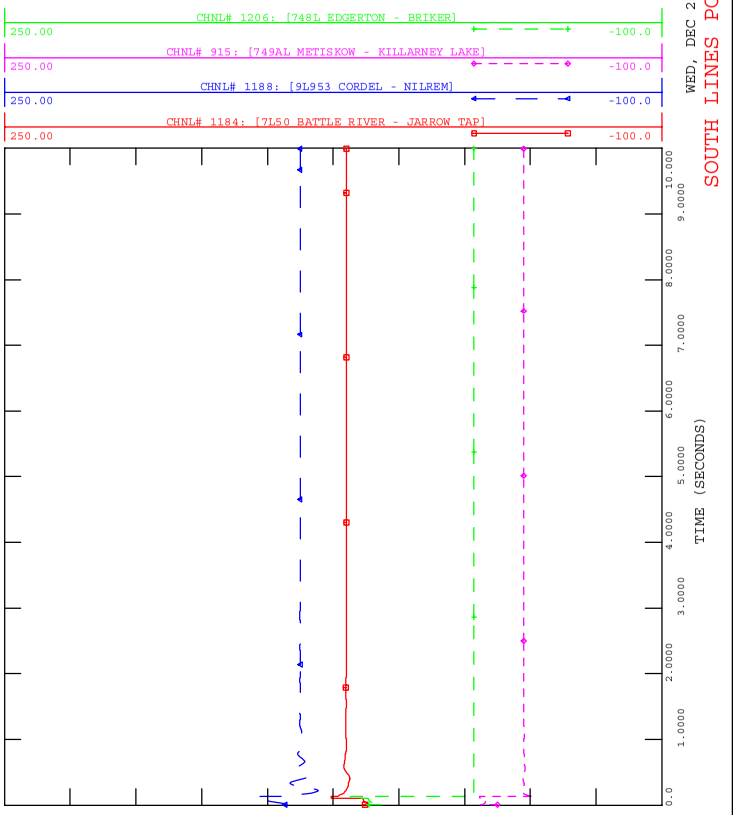
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SOUTH BUS VOLTAGES



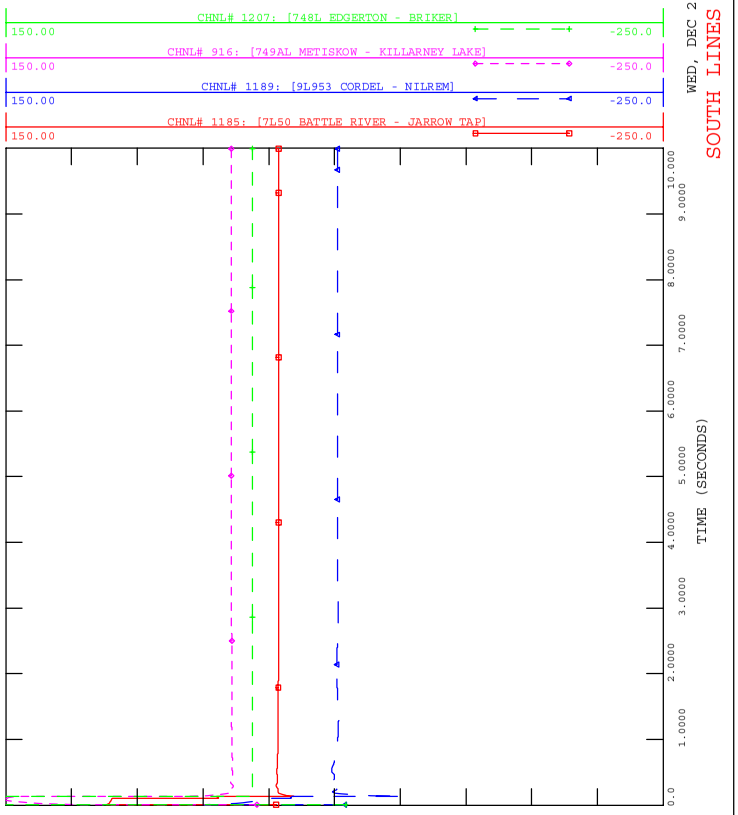
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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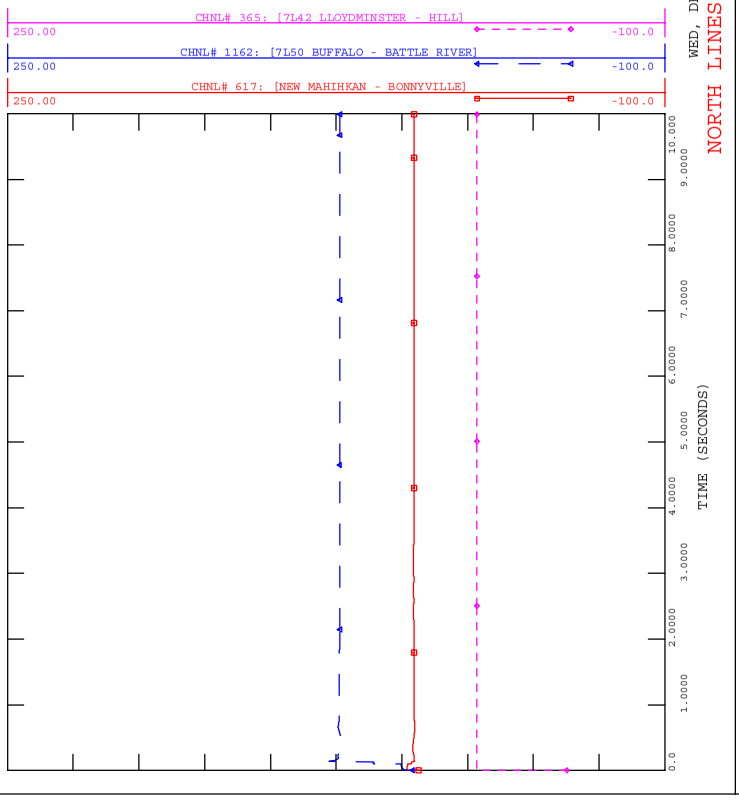
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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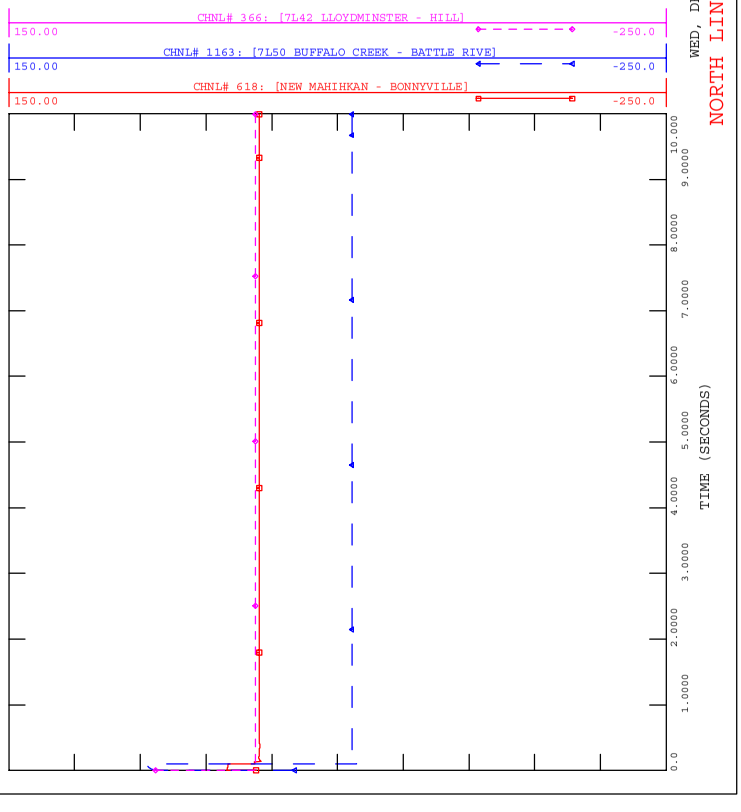
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out

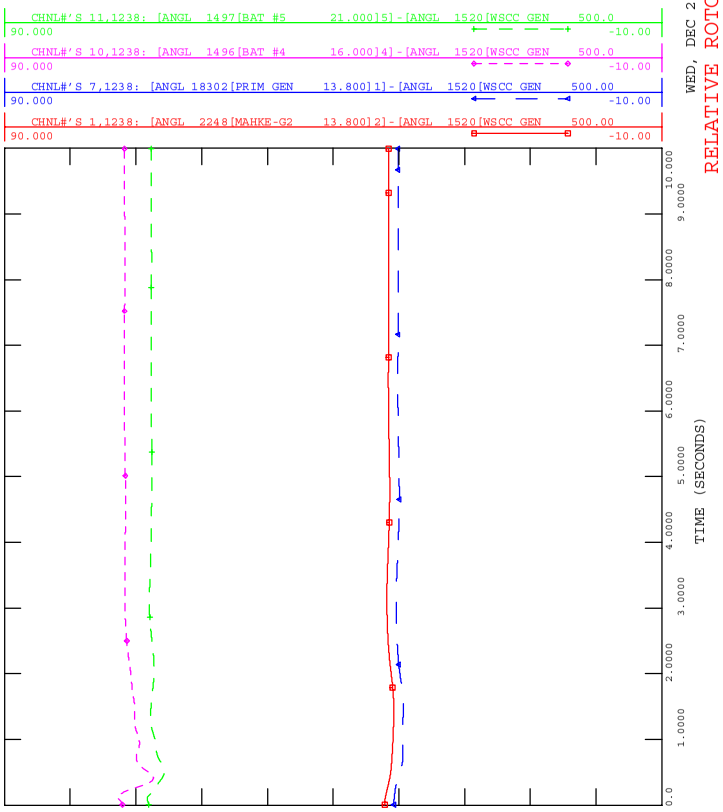


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

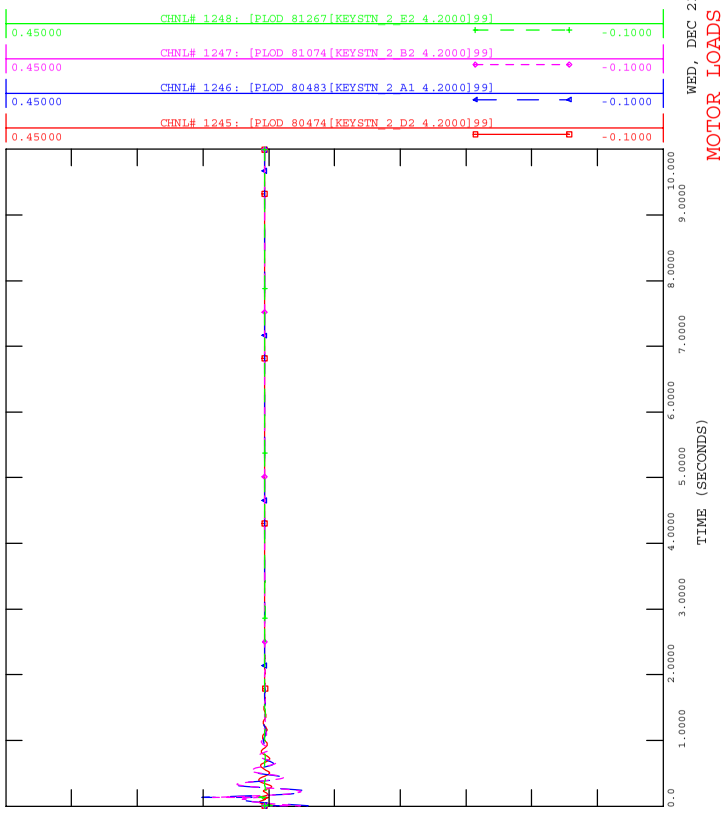


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MOTOR LOADS GROUP II

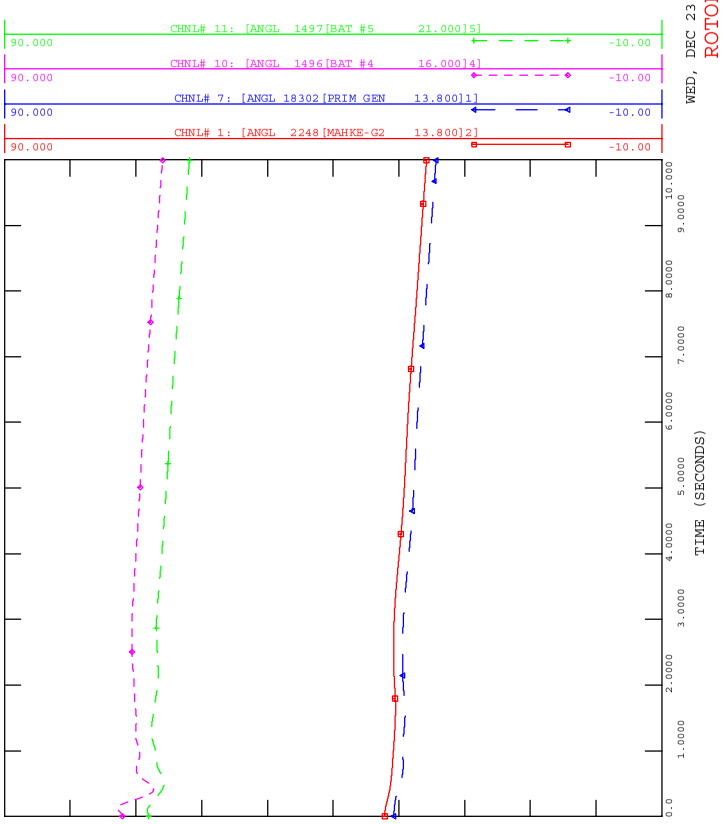


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:51

ROTOR ANGLES

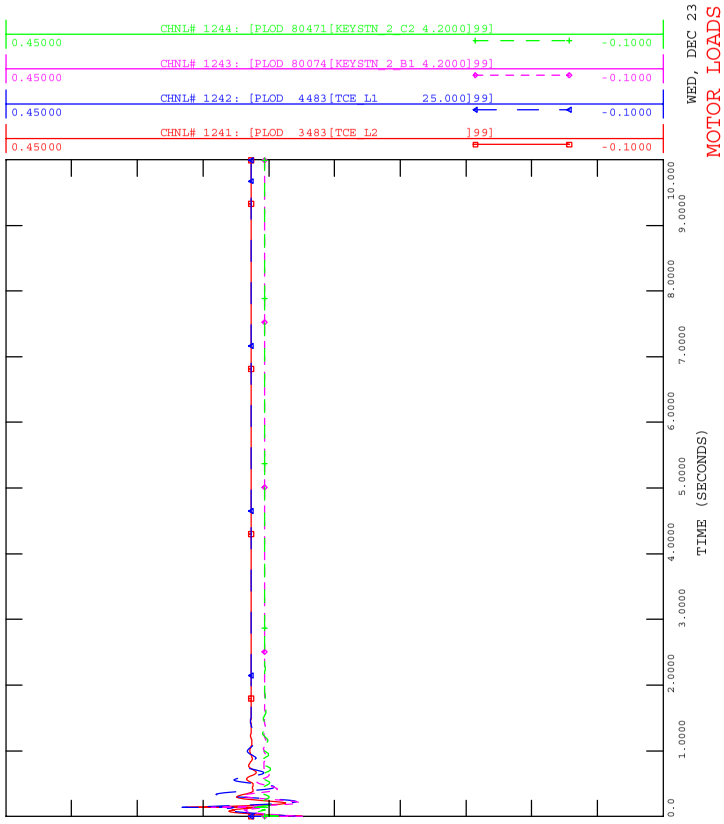


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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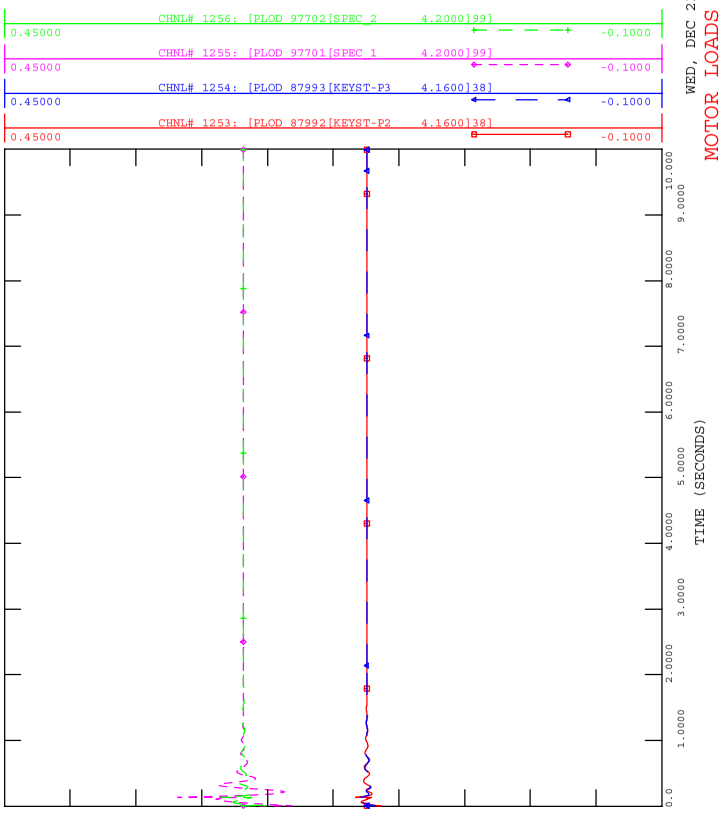
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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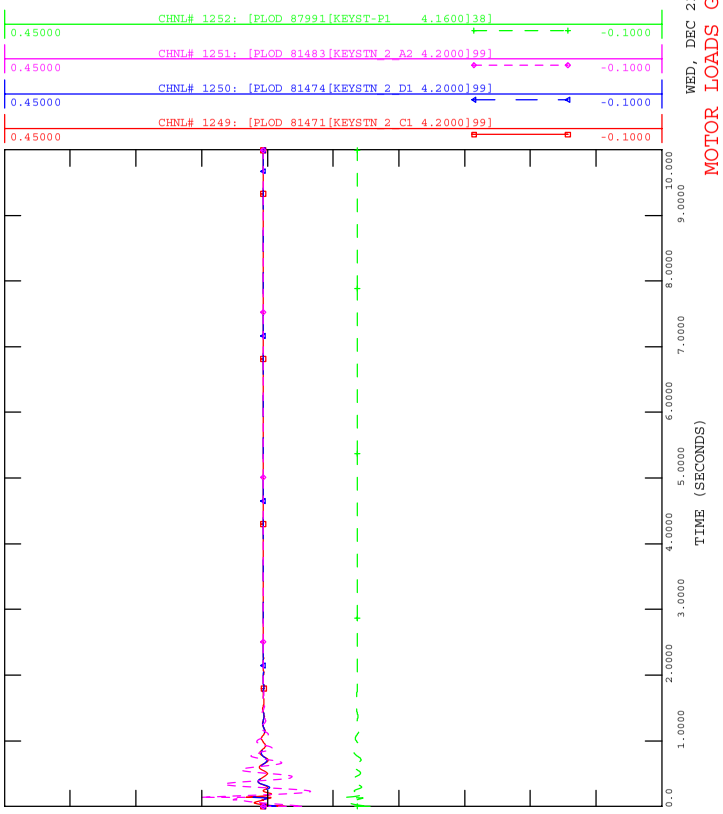


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-1fault.out



WED, DEC 23 2009 15:51

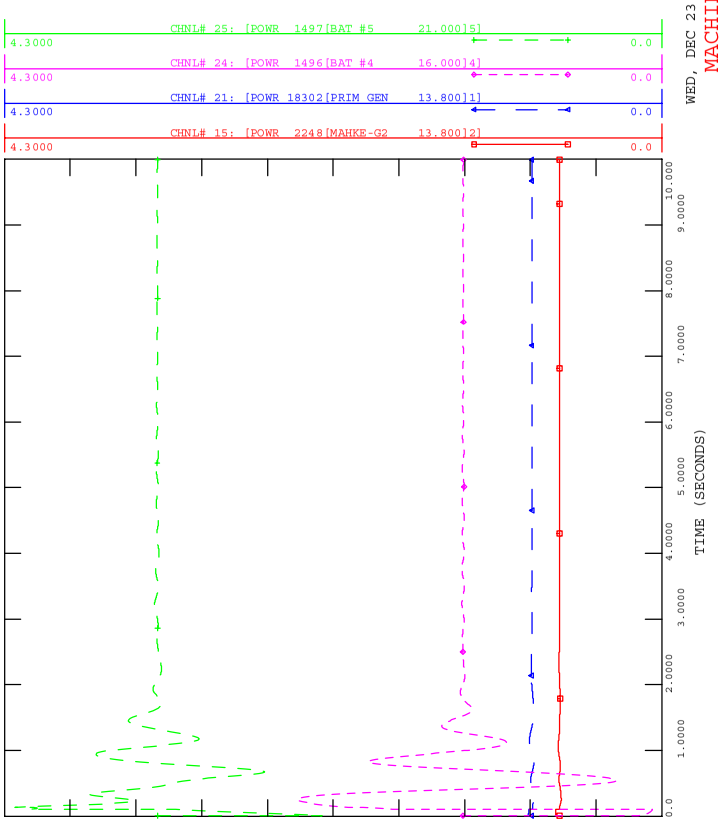
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

MACHINE POWER

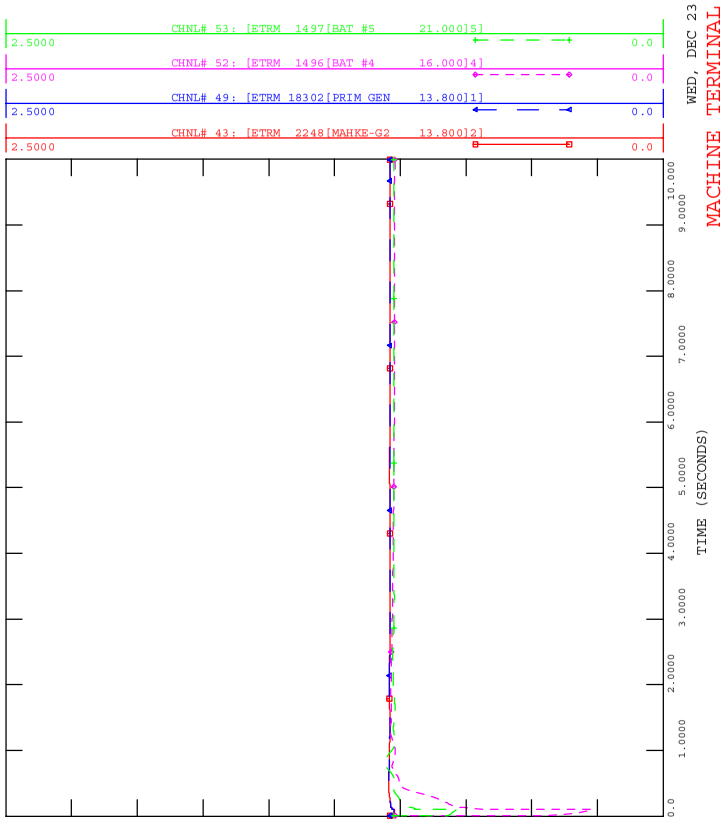


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

MACHINE TERMINAL VOLTAGE

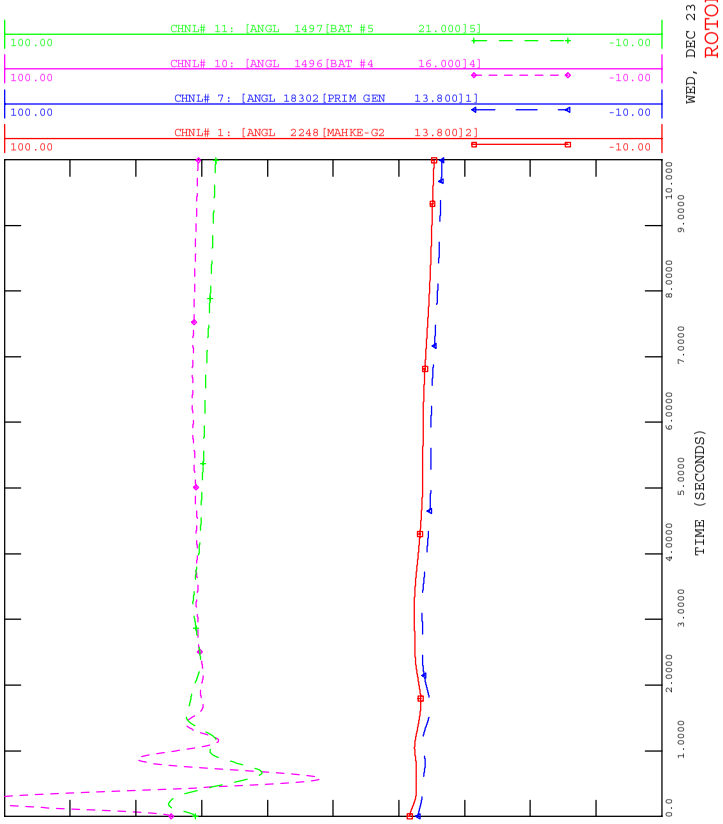


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

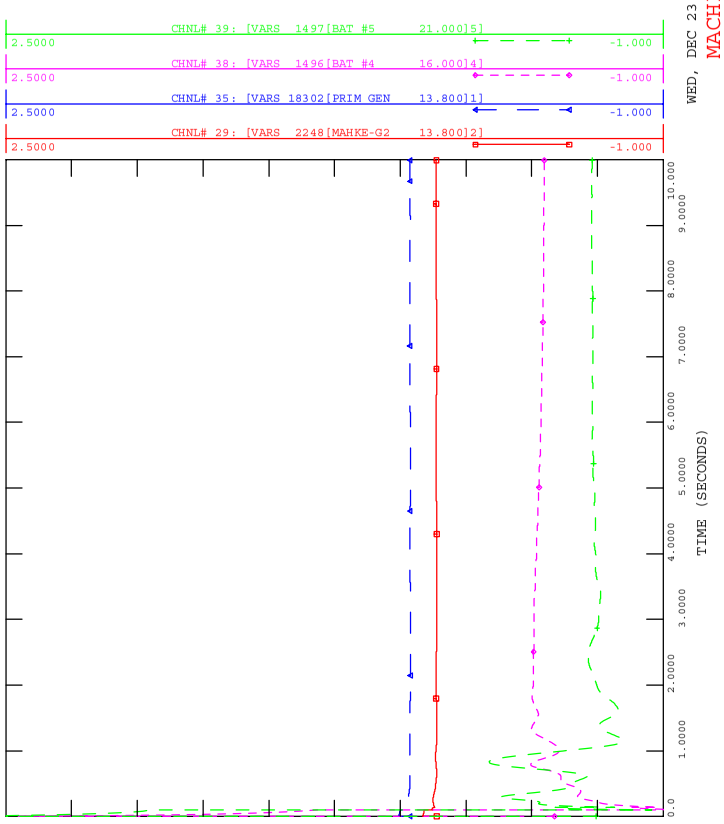


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

MACHINE VARS

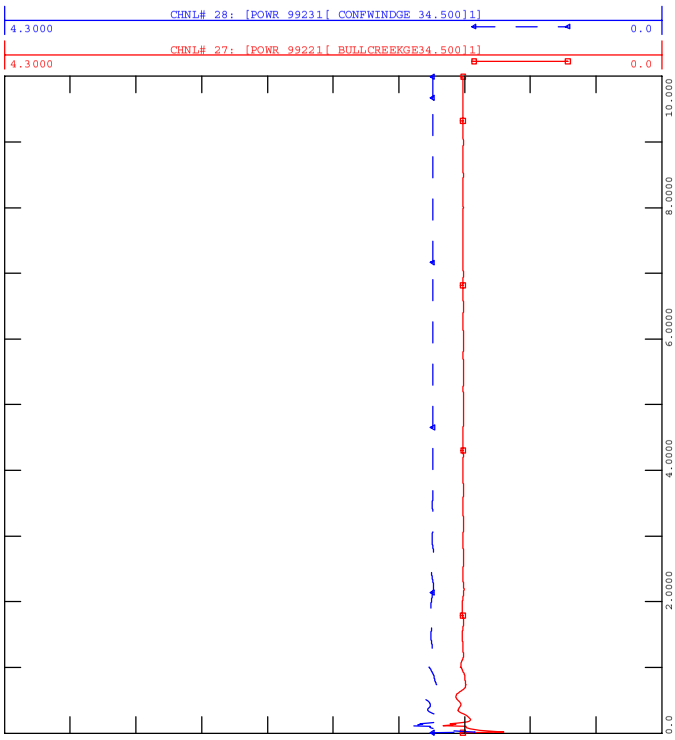


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

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WIND MACHINE POWER

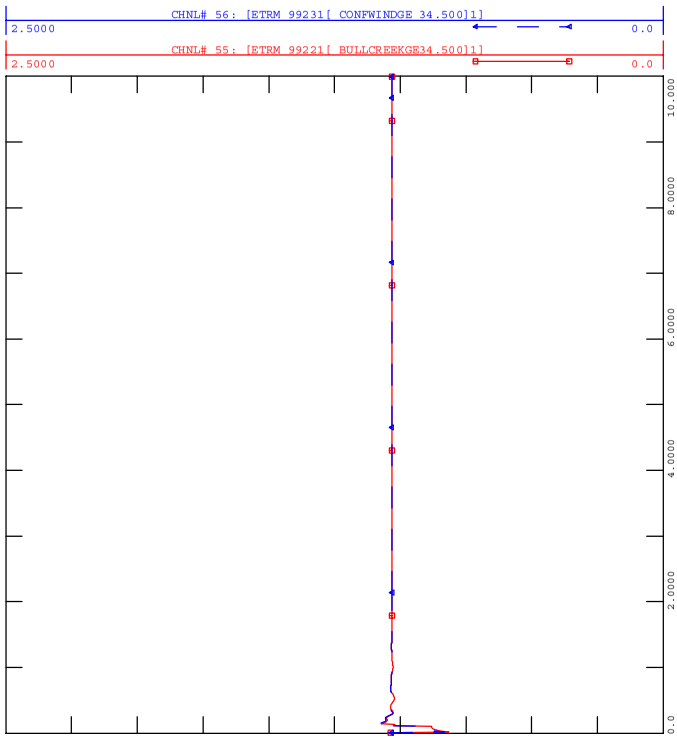


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

WIND MACH. TERMINAL VOLTS

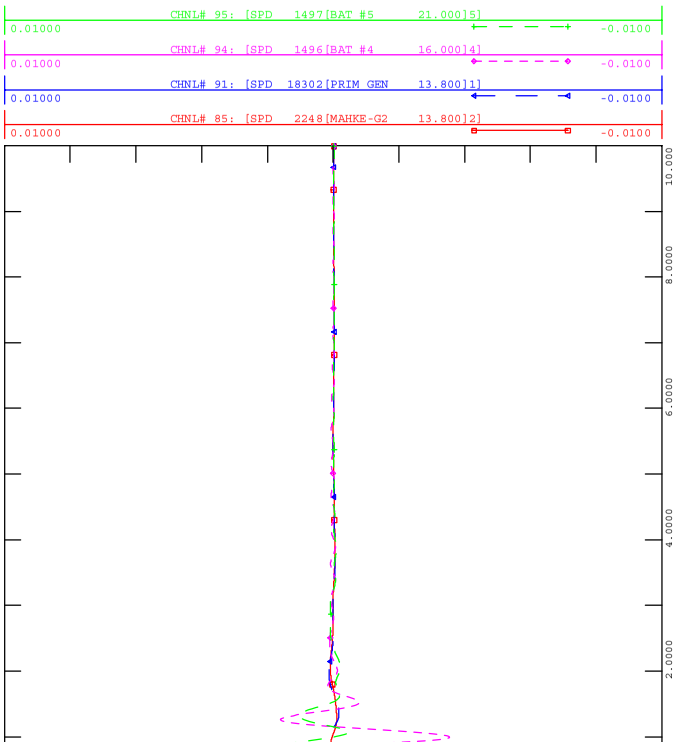


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

MACHINE SPEED

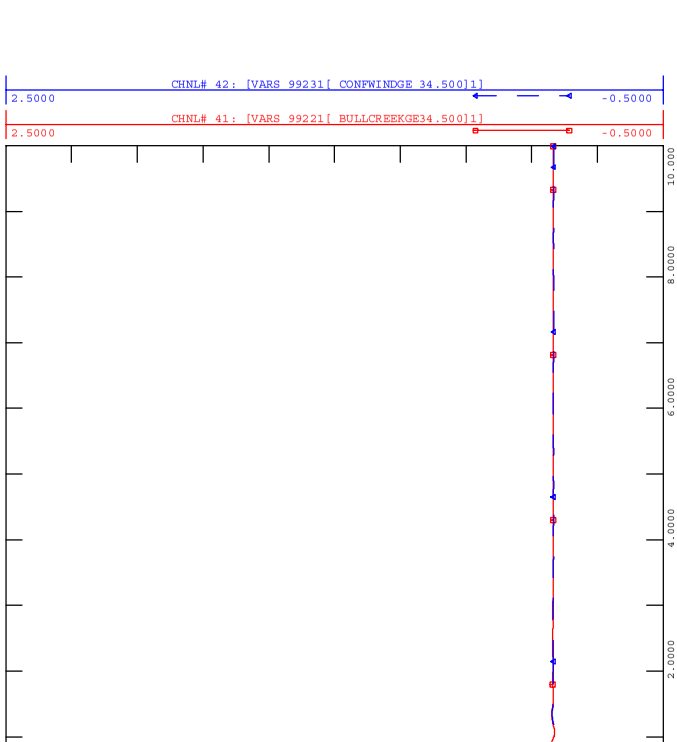


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

WIND MACHINE VARS

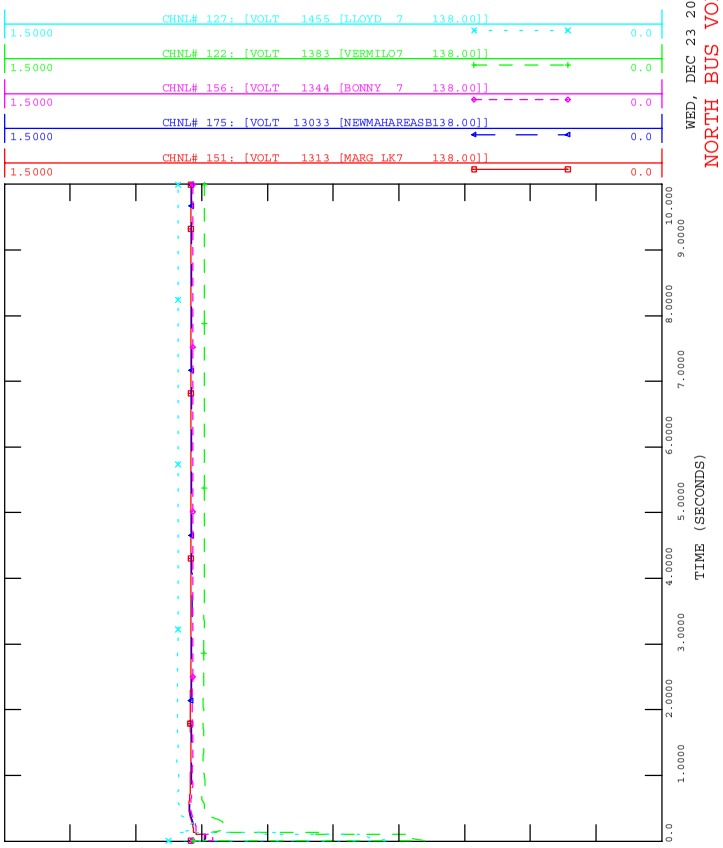


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

NORTH BUS VOLTAGES

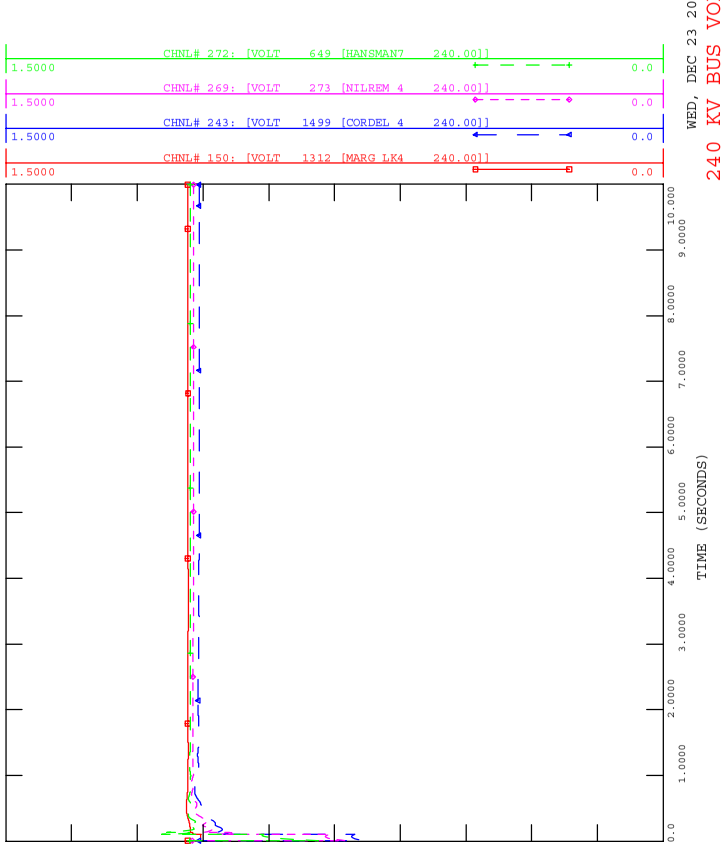


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

240 KV BUS VOLTAGES

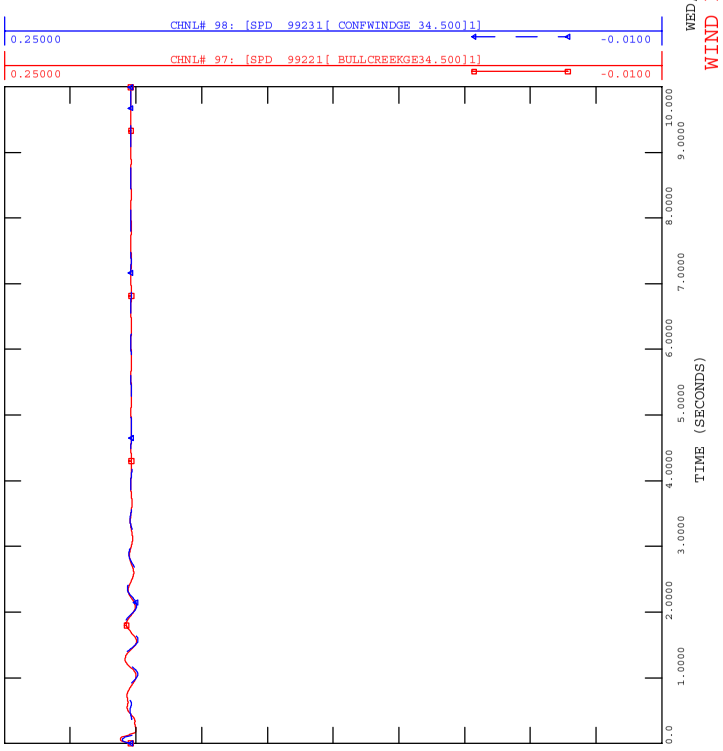


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

WIND MACHINE SPEED

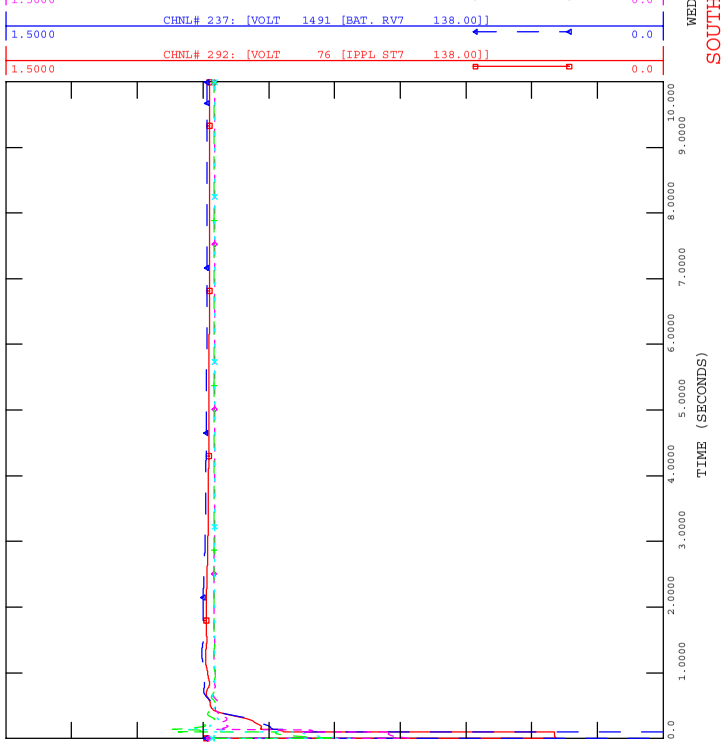


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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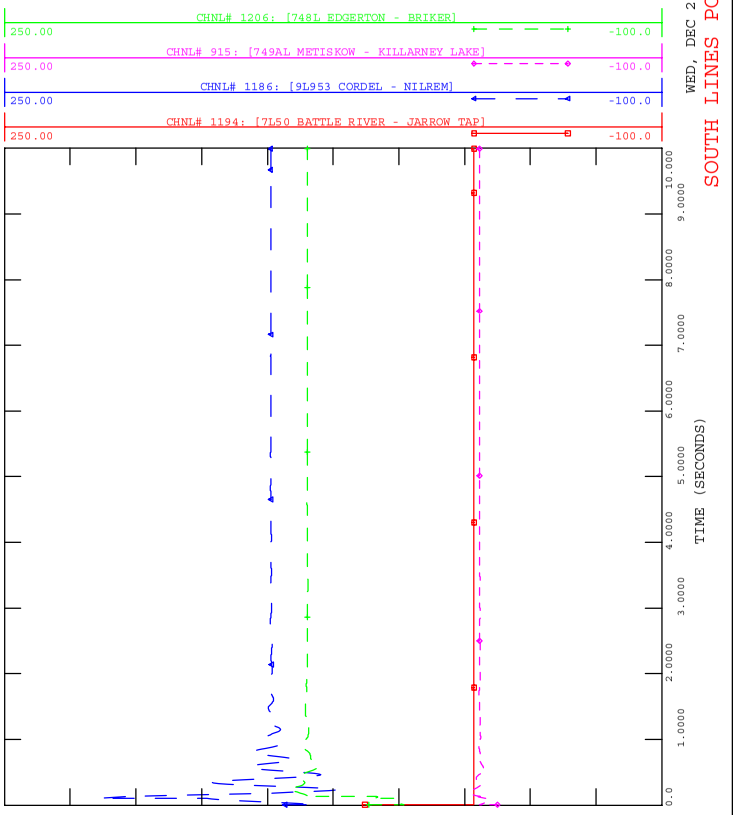
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SOUTH BUS VOLTAGES



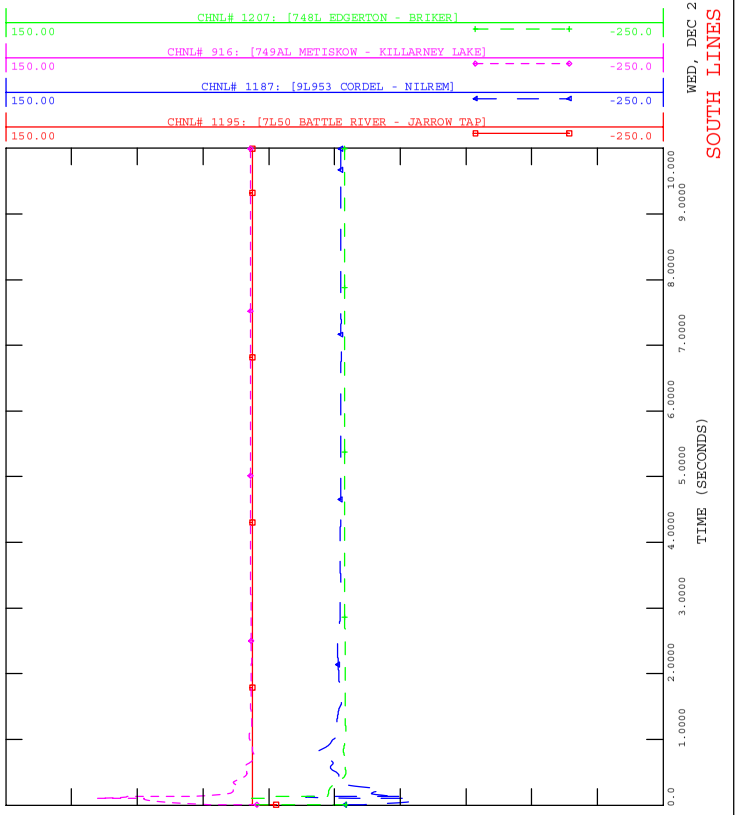
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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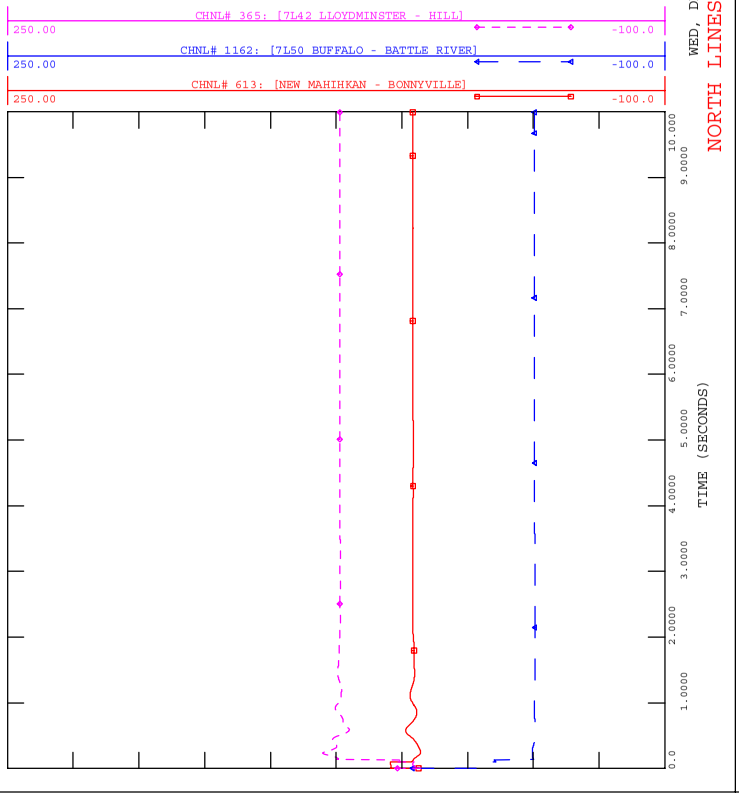
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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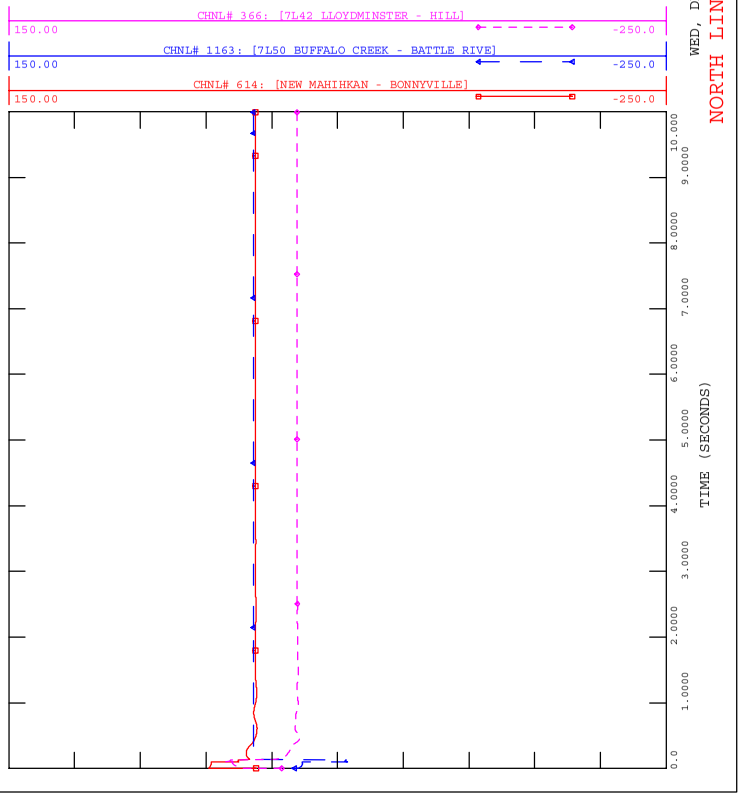
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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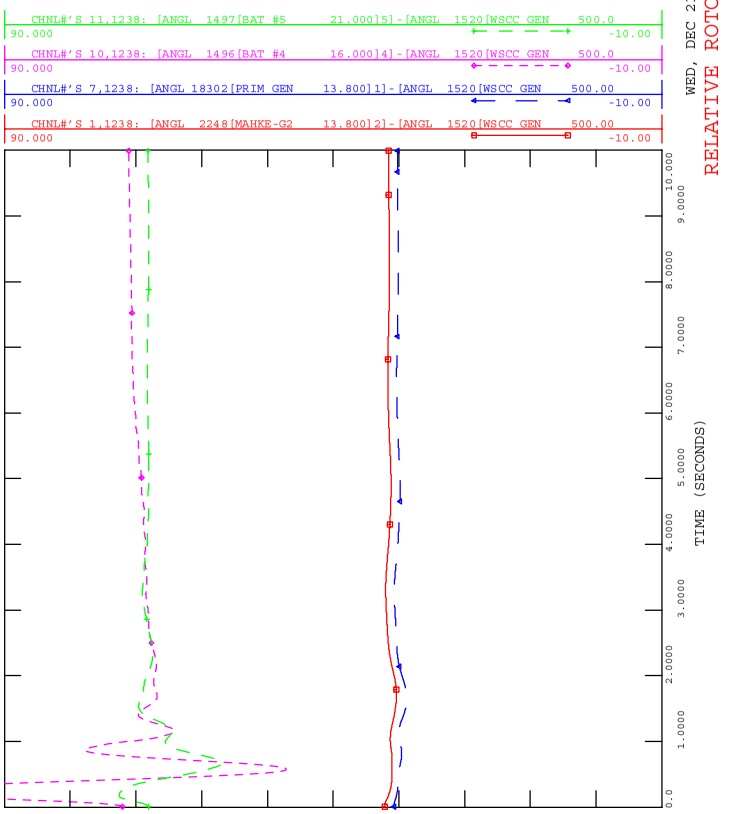


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

RELATIVE ROTOR ANGLES

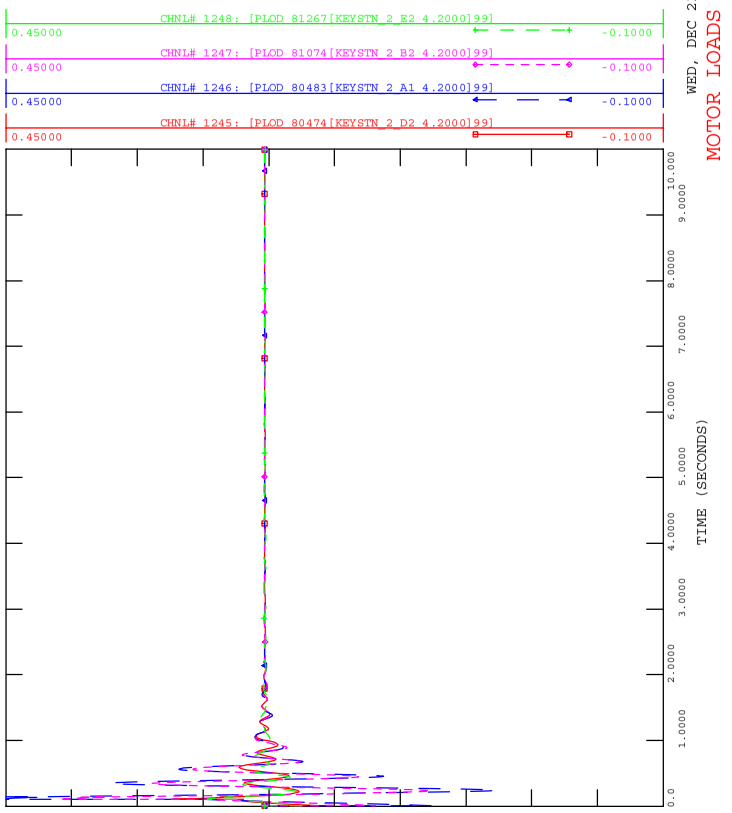


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

WED, DEC 23 2009 15:51

MOTOR LOADS GROUP II

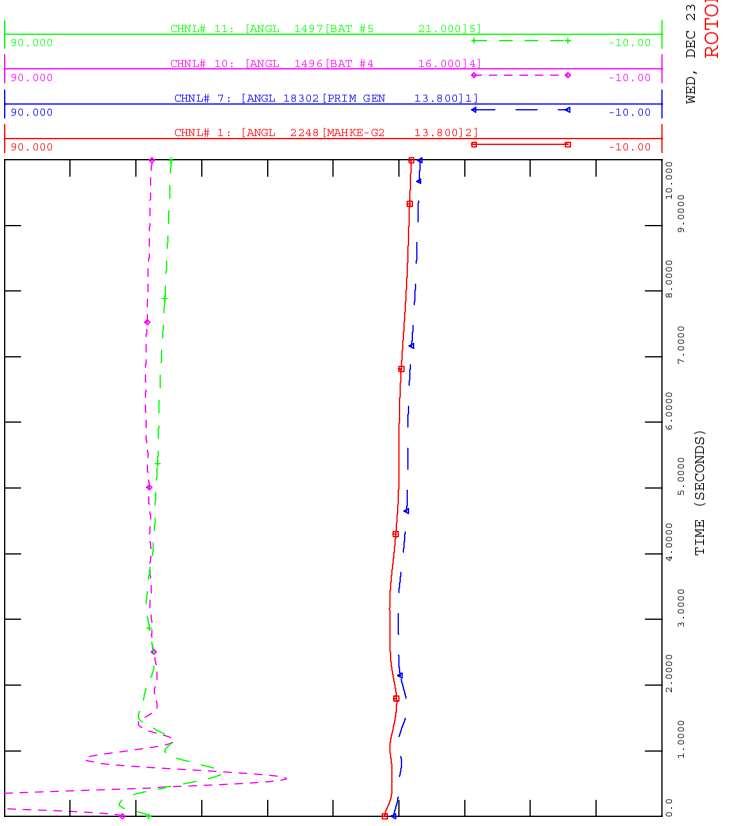


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:51

ROTOR ANGLES

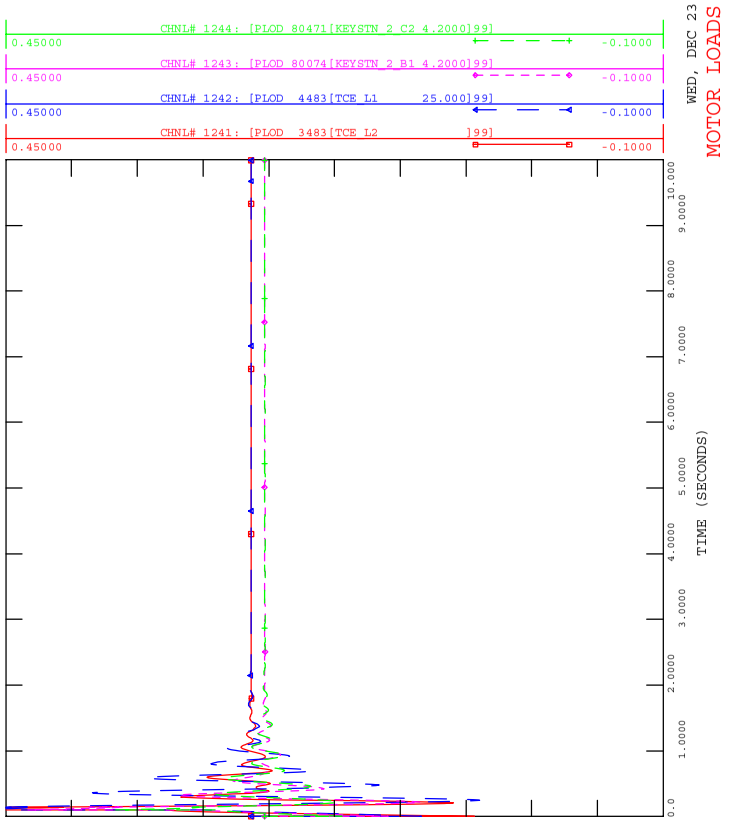


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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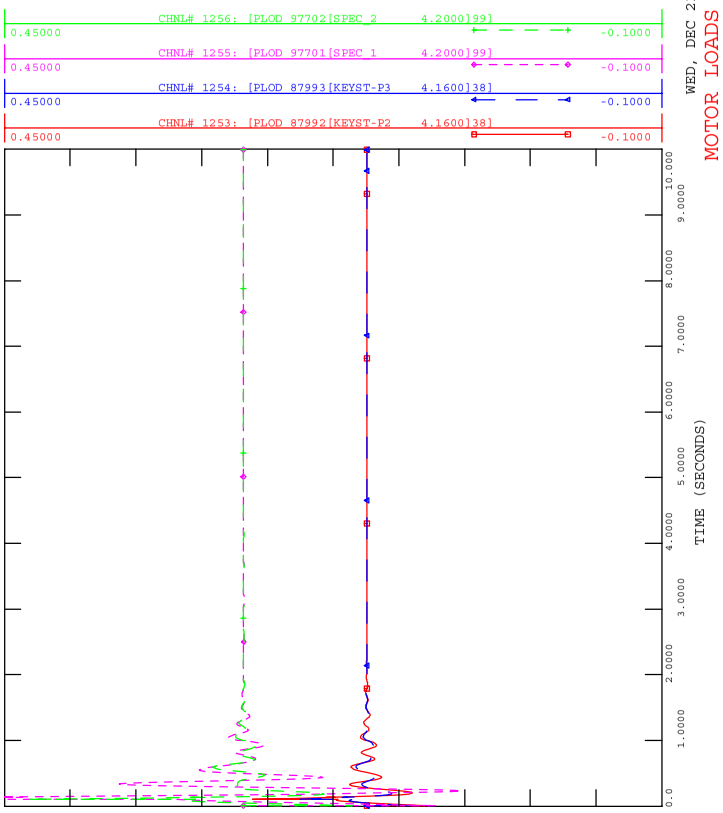
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out

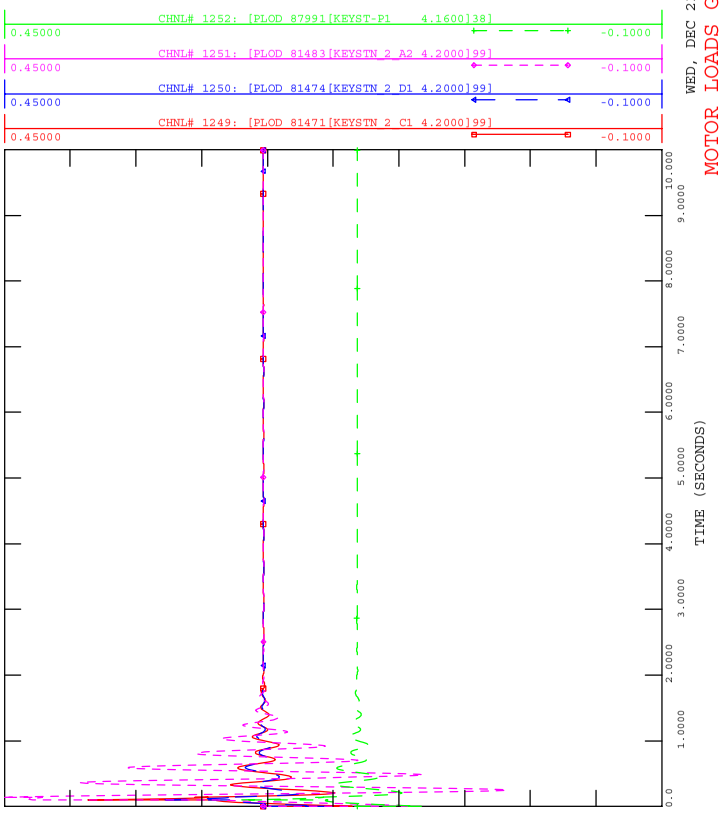


WED, DEC 23 2009 15:51

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-2fault.out



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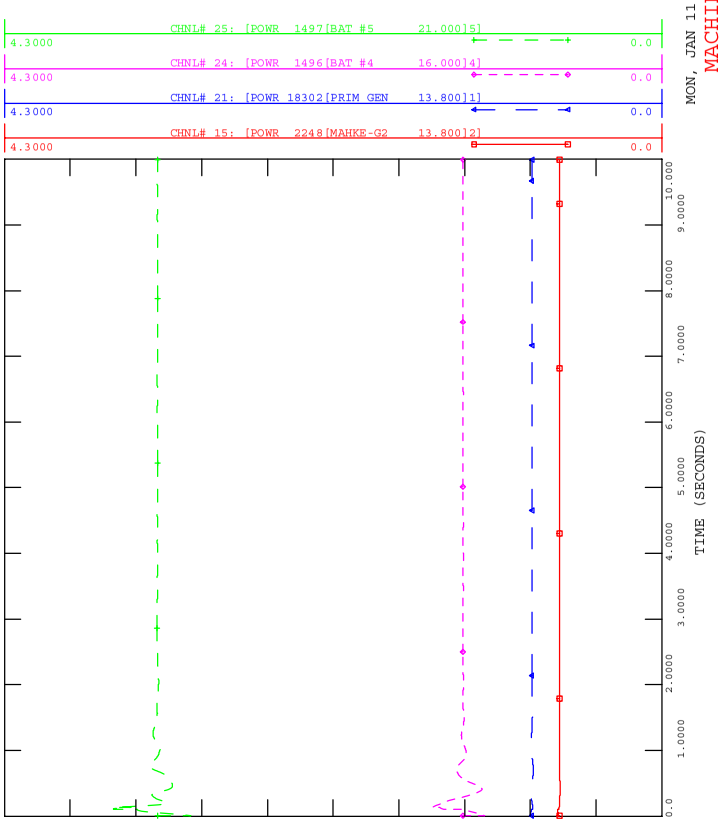
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MACHINE POWER

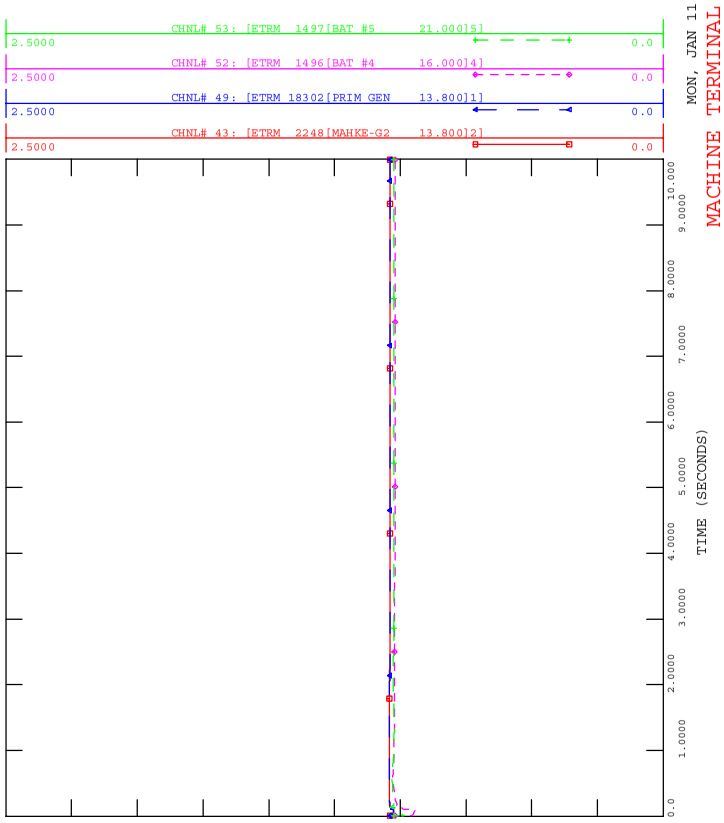


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MACHINE TERMINAL VOLTAGE

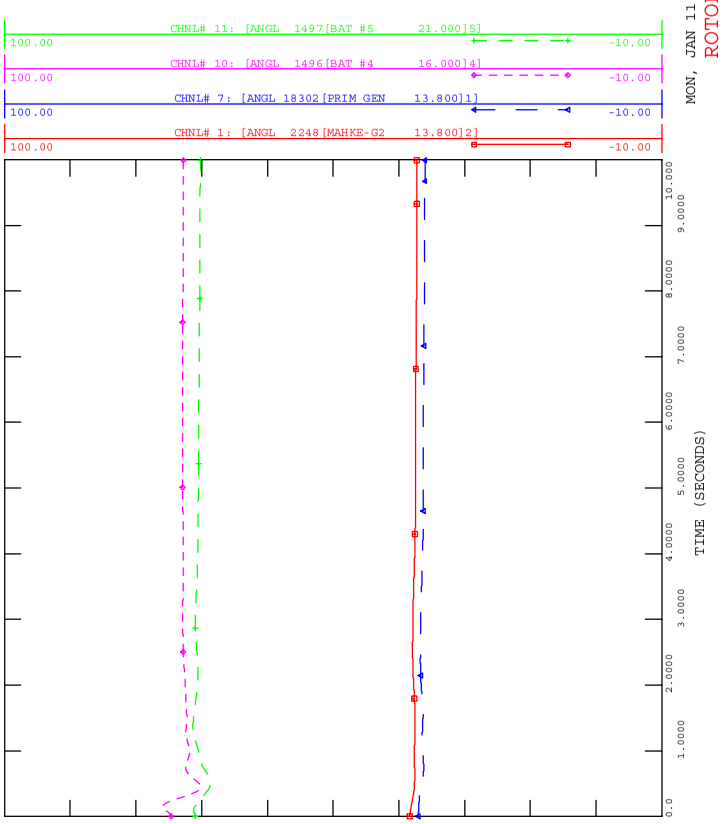


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

ROTOR ANGLES

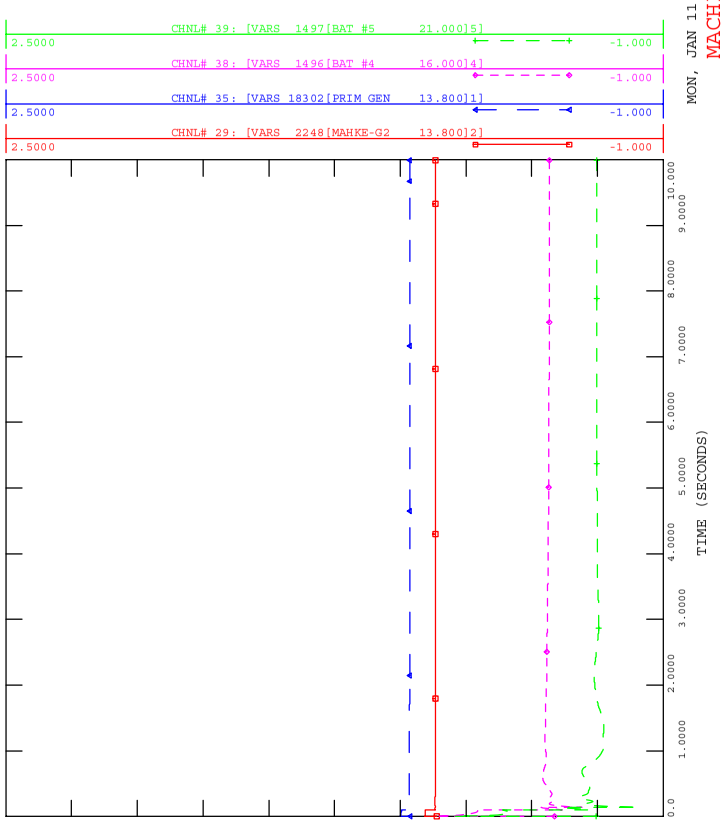


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MACHINE VARS

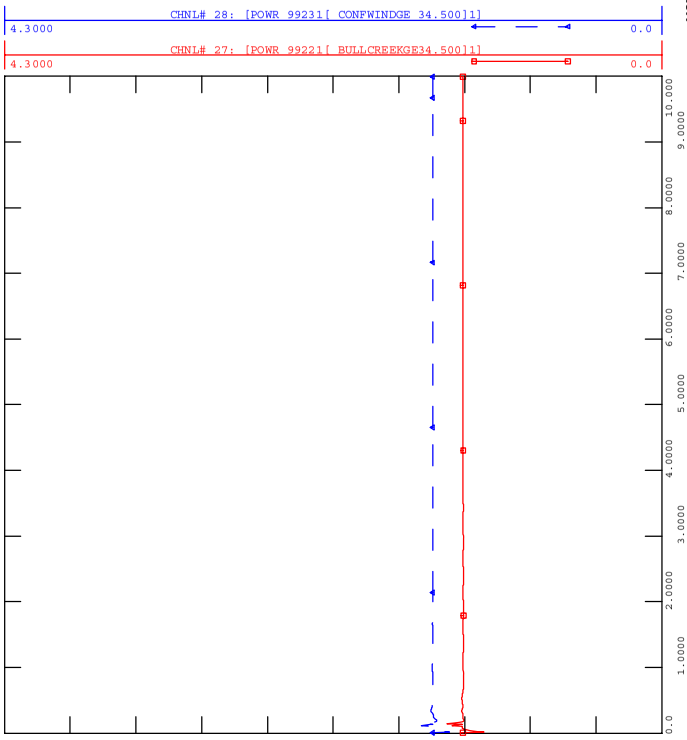


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

WIND MACHINE POWER

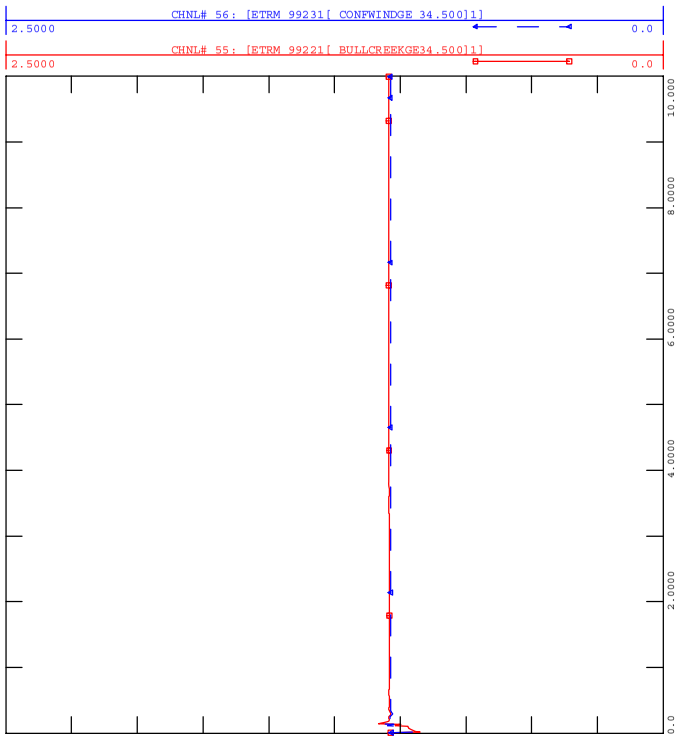


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

WIND MACH. TERMINAL VOLTS

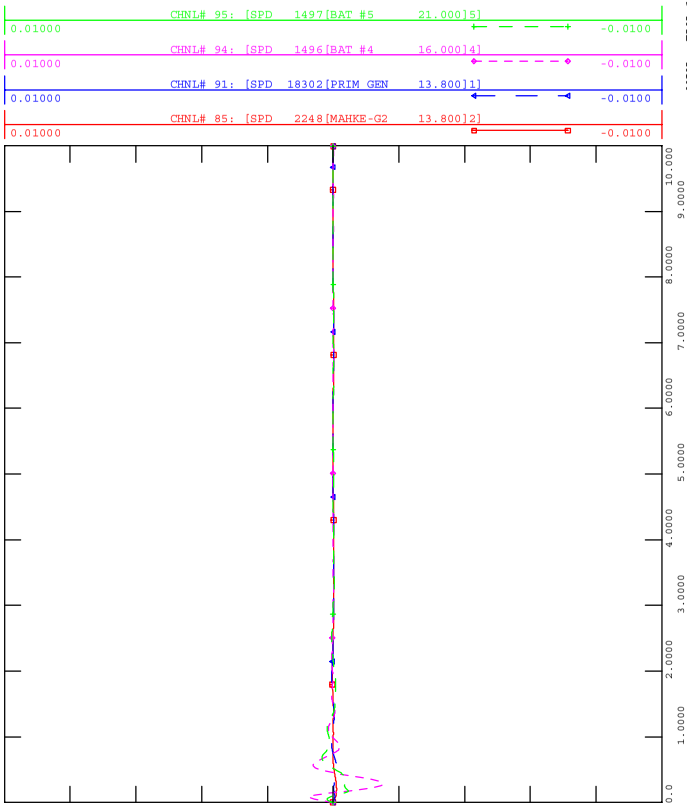


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MACHINE SPEED

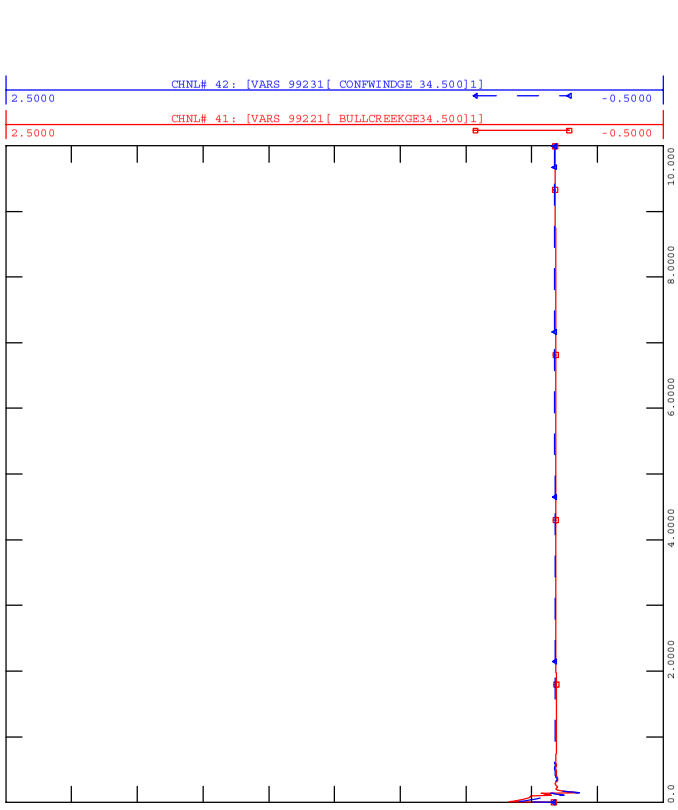


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

WIND MACHINE VARS

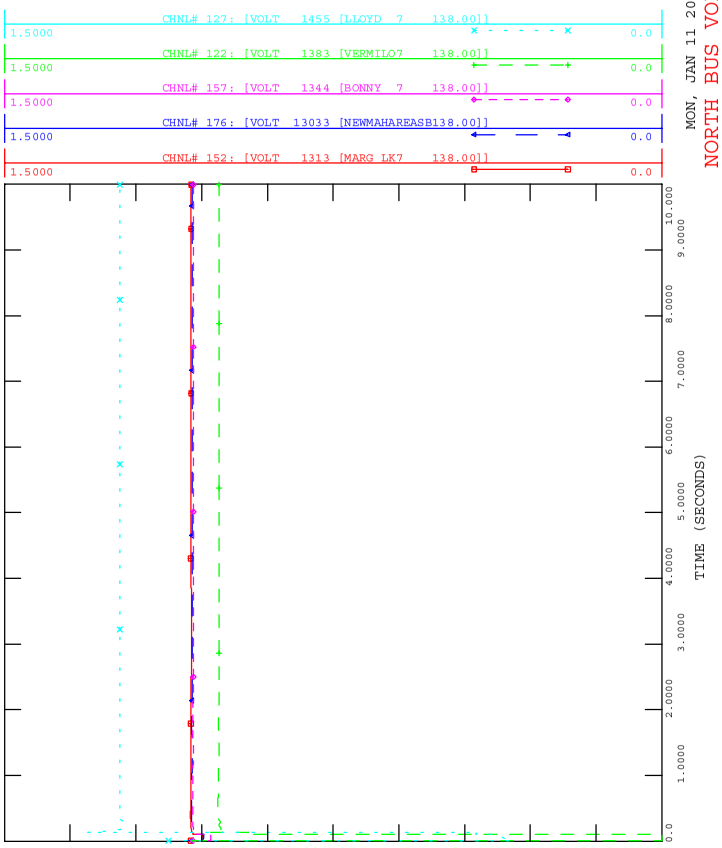


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

NORTH BUS VOLTAGES

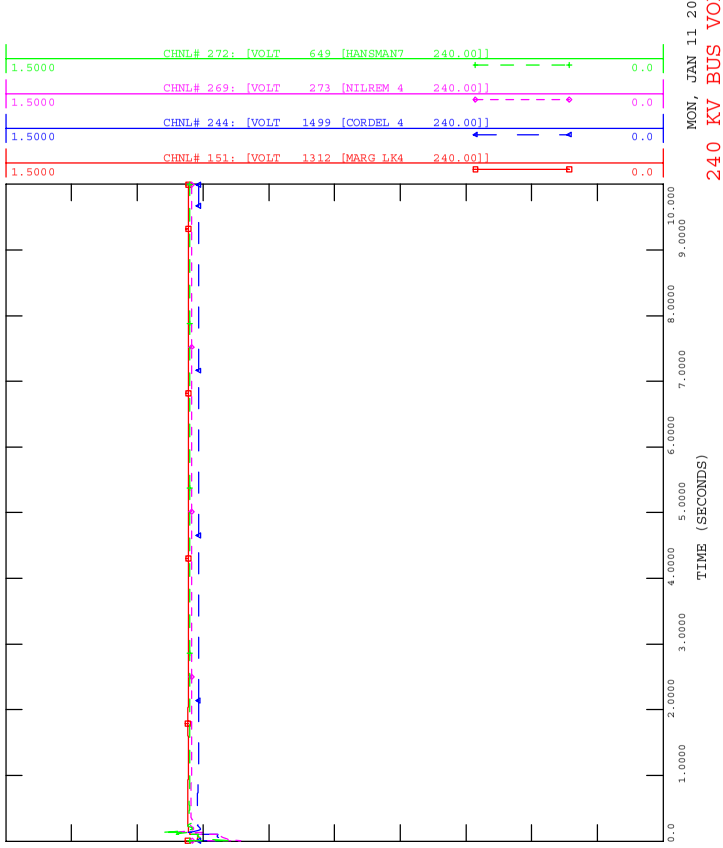


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

240 KV BUS VOLTAGES

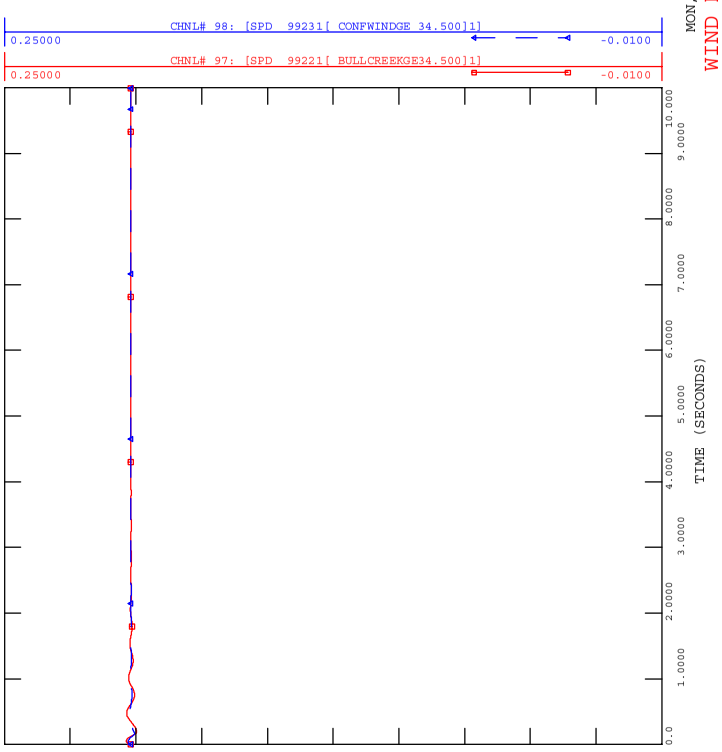


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

WIND MACHINE SPEED

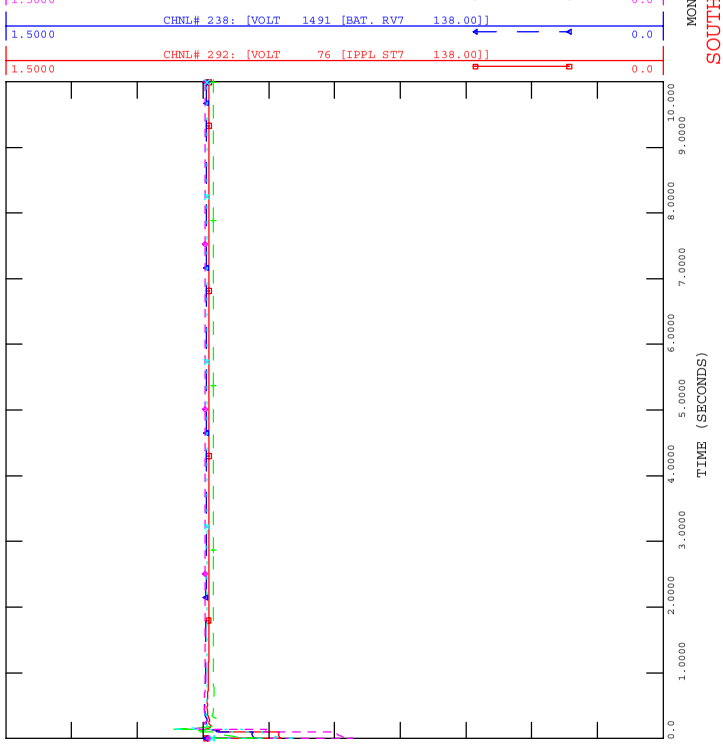


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

SOUTH BUS VOLTAGES

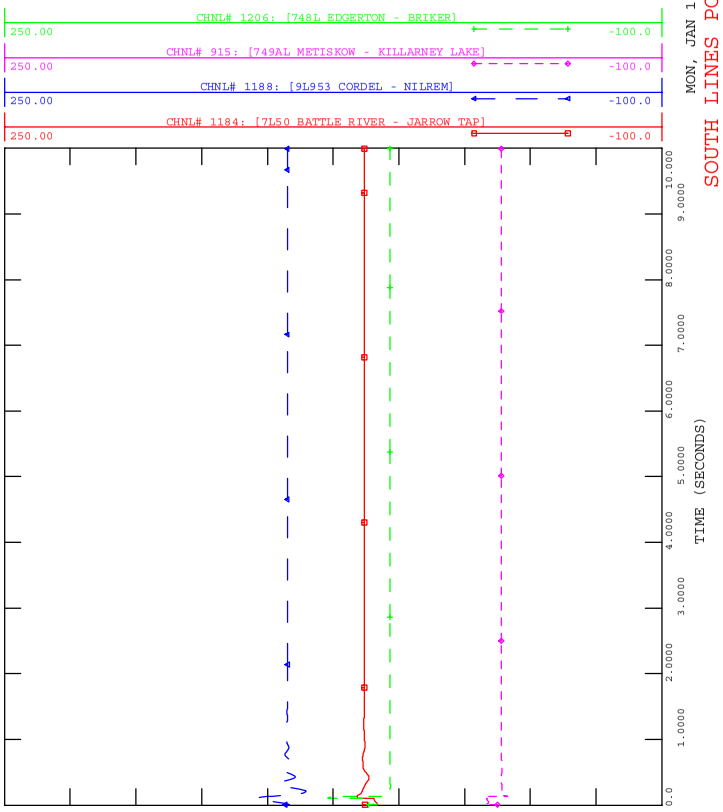


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

SOUTH LINES POWER FLOW

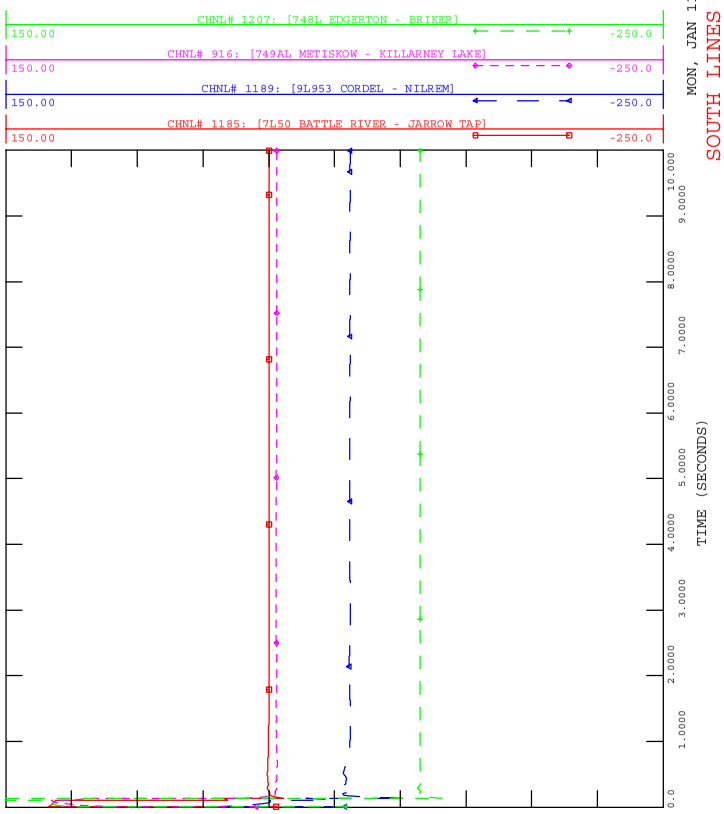


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

SOUTH LINES VAR FLOW

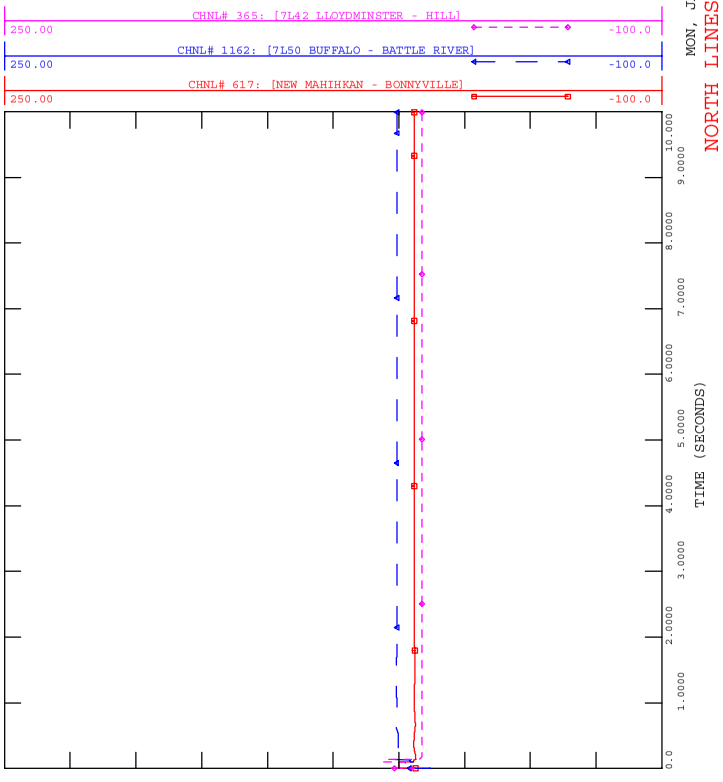


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

NORTH LINES POWER FLOW

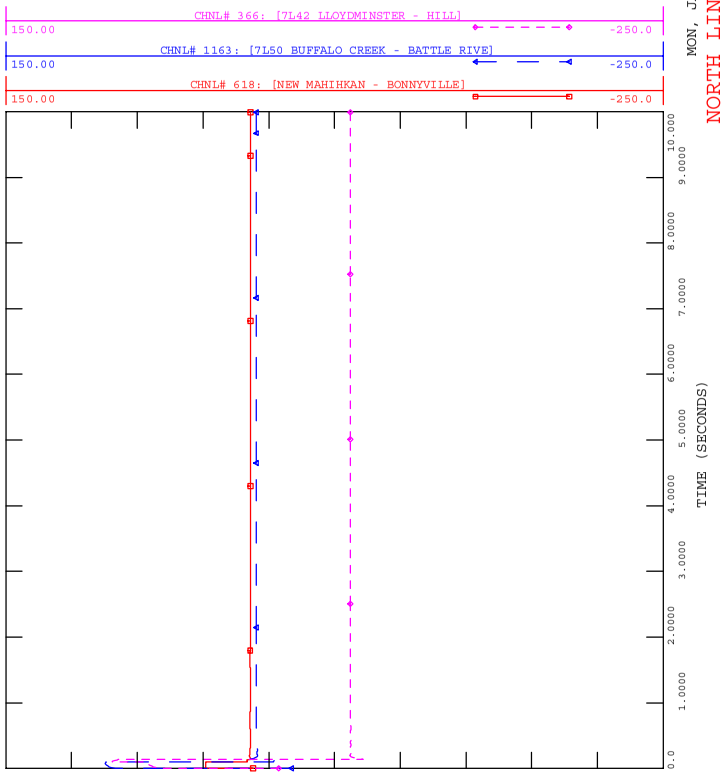


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

NORTH LINES VAR FLOW

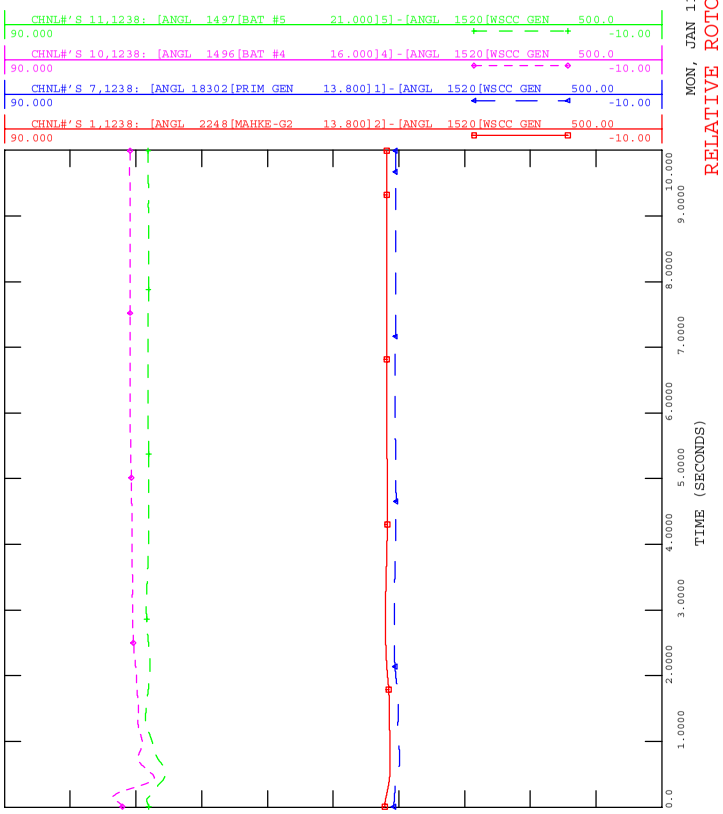


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

RELATIVE ROTOR ANGLES

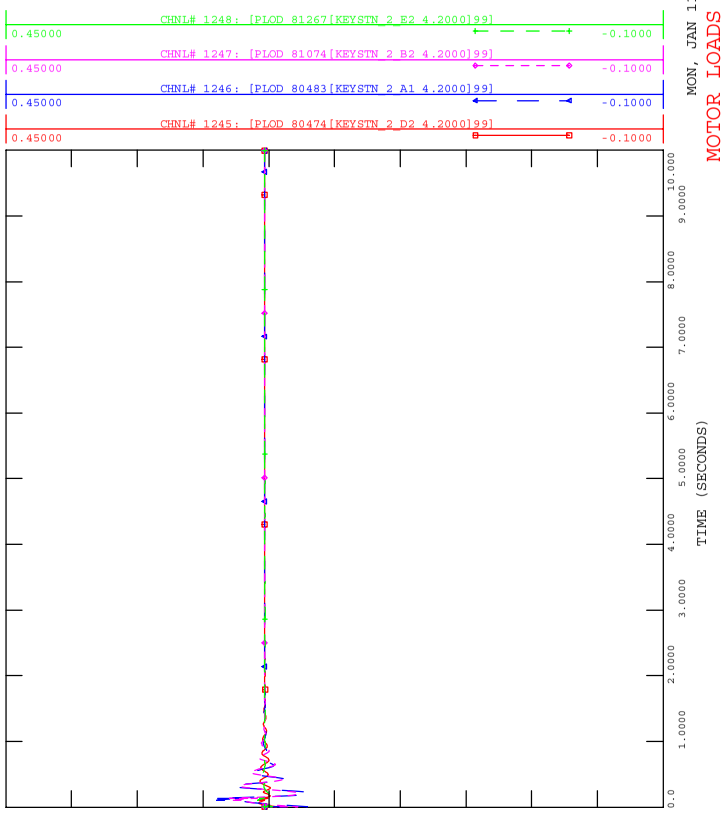


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MOTOR LOADS GROUP II

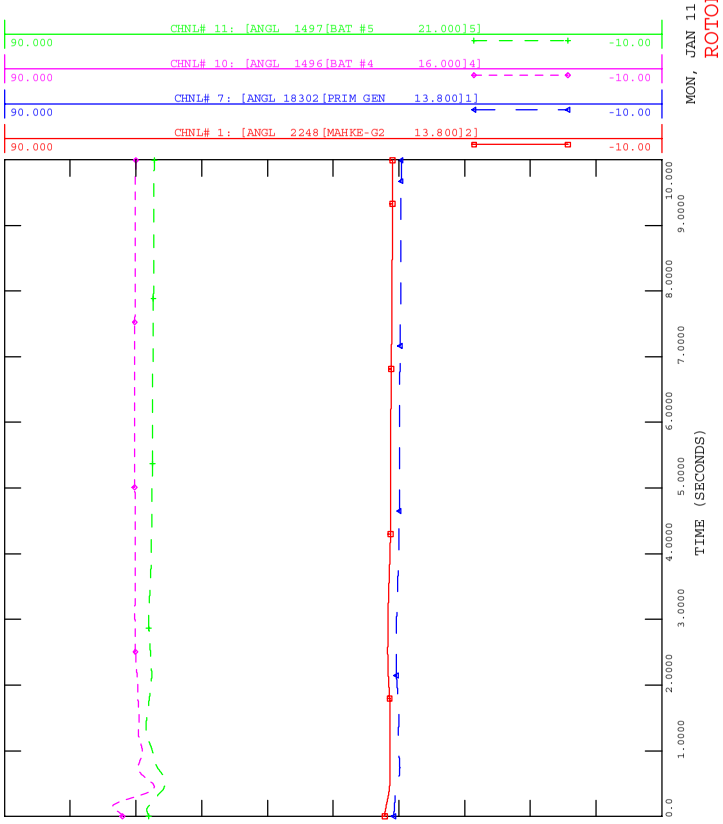


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

ROTOR ANGLES

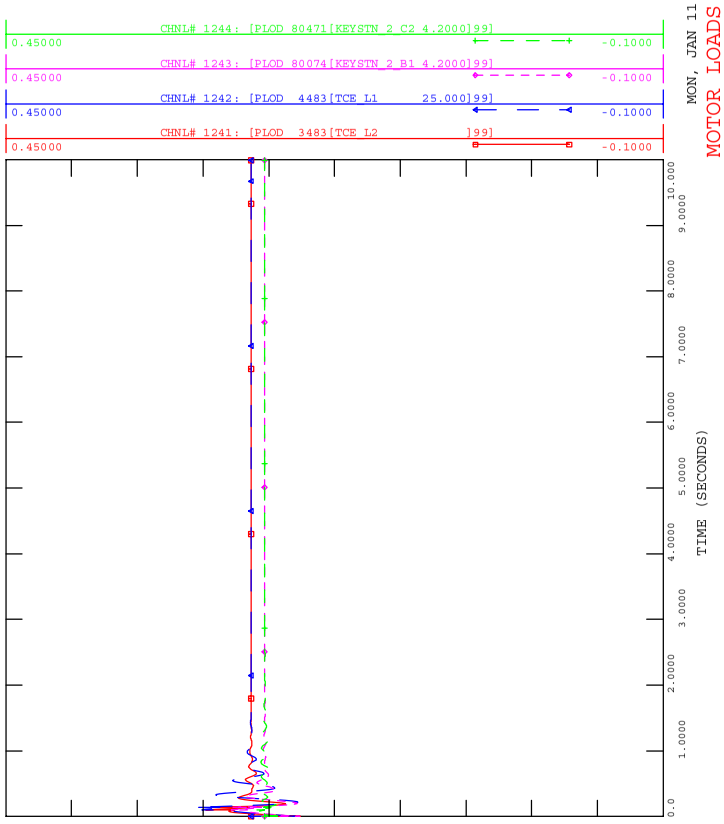


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MOTOR LOADS GROUP I

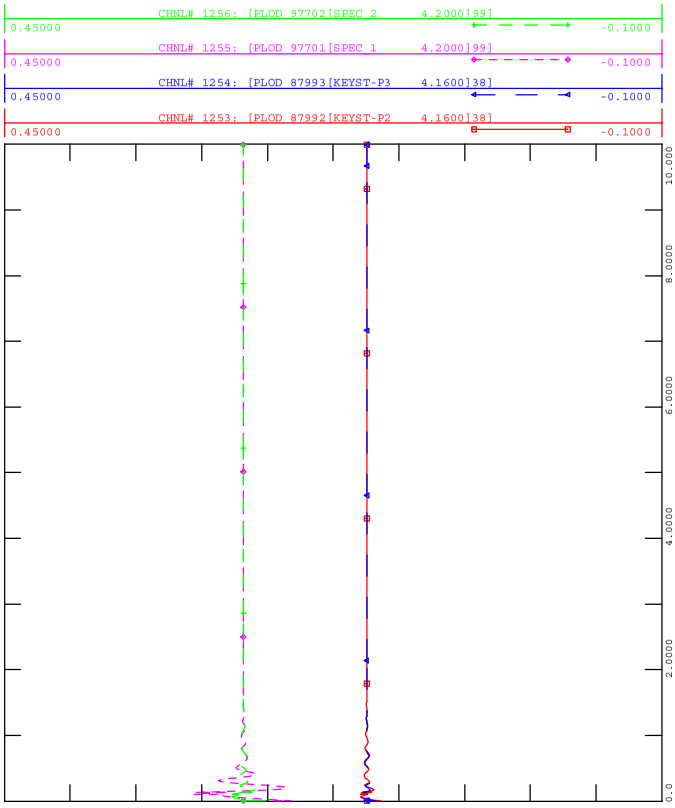


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MOTOR LOADS GROUP IV

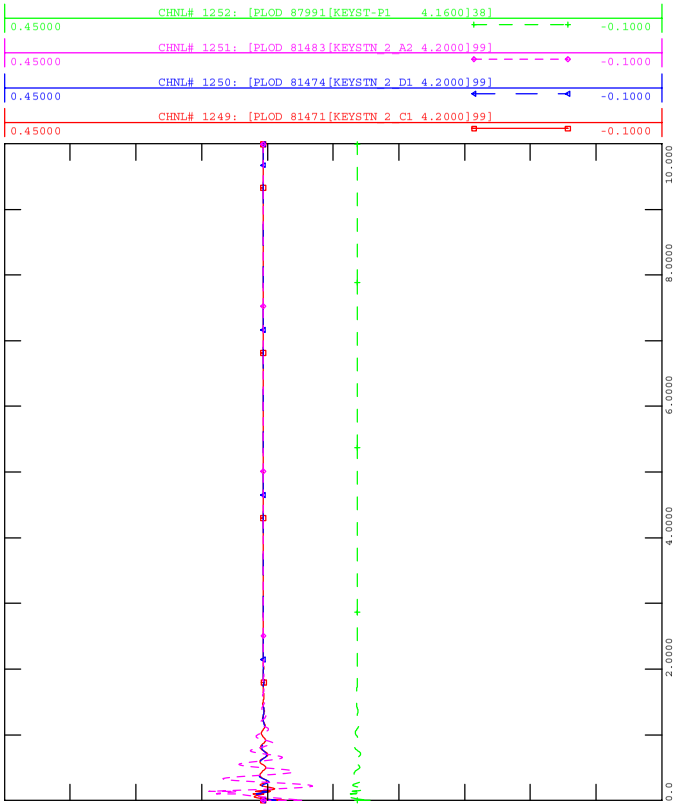


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-3fault.out

MON, JAN 11 2010 9:41

MOTOR LOADS GROUP III

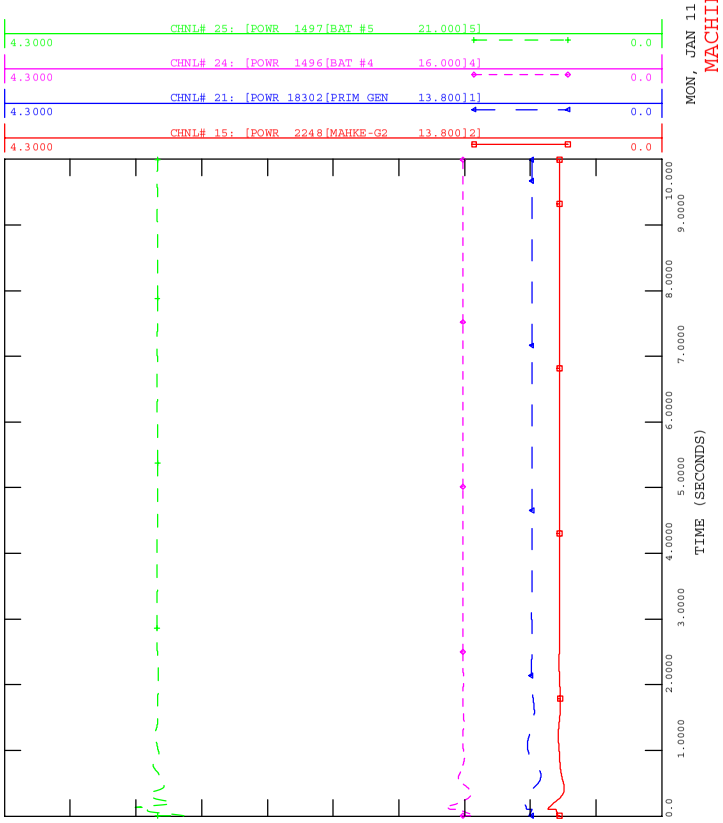


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

MACHINE POWER

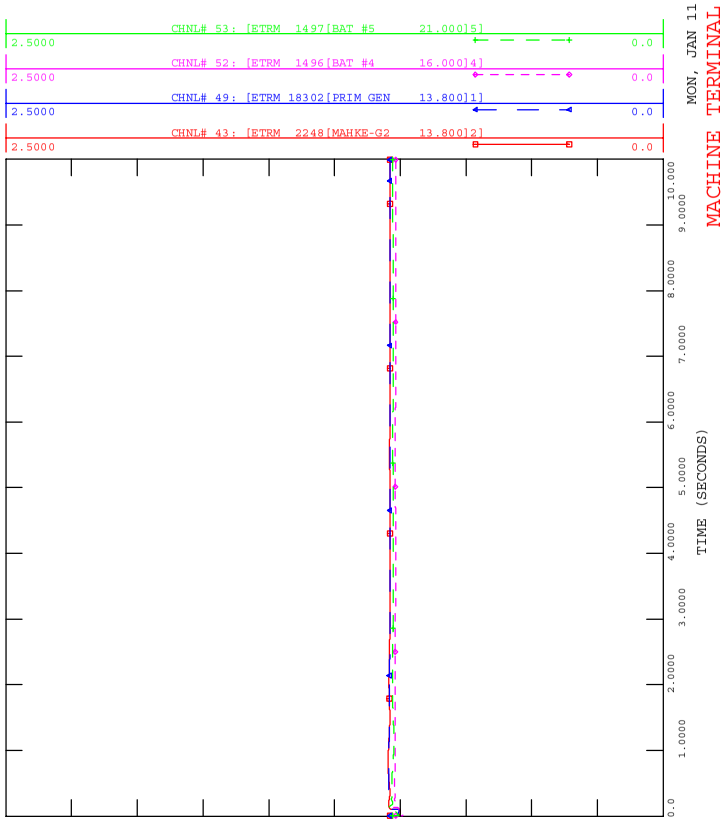


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

MACHINE TERMINAL VOLTAGE

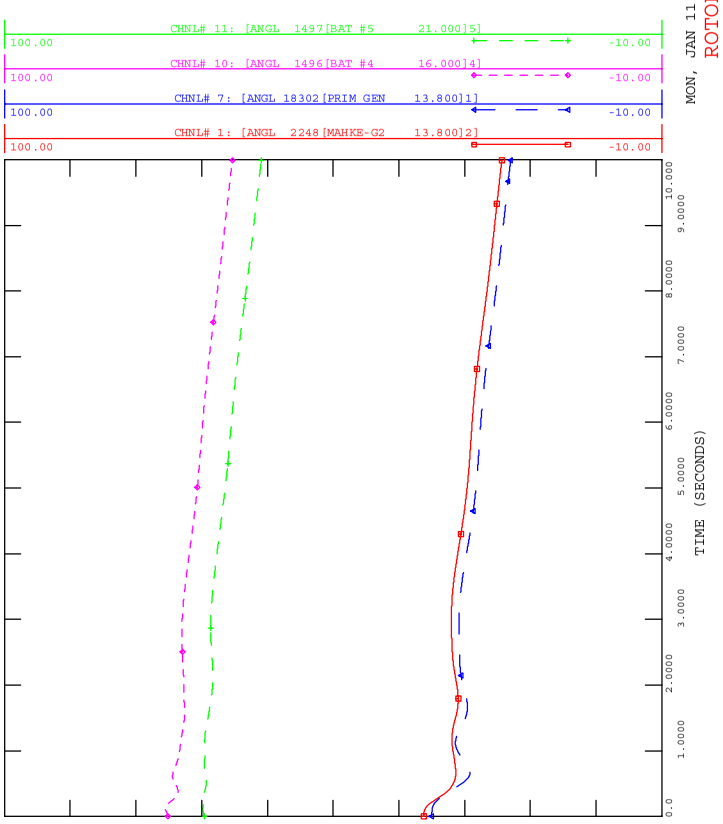


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

ROTOR ANGLES

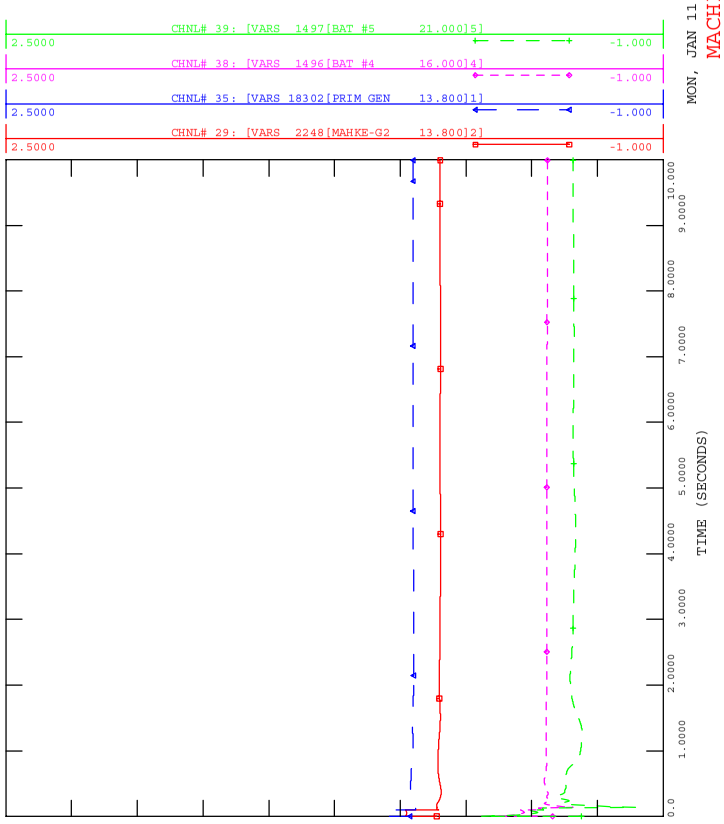


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

MACHINE VARS

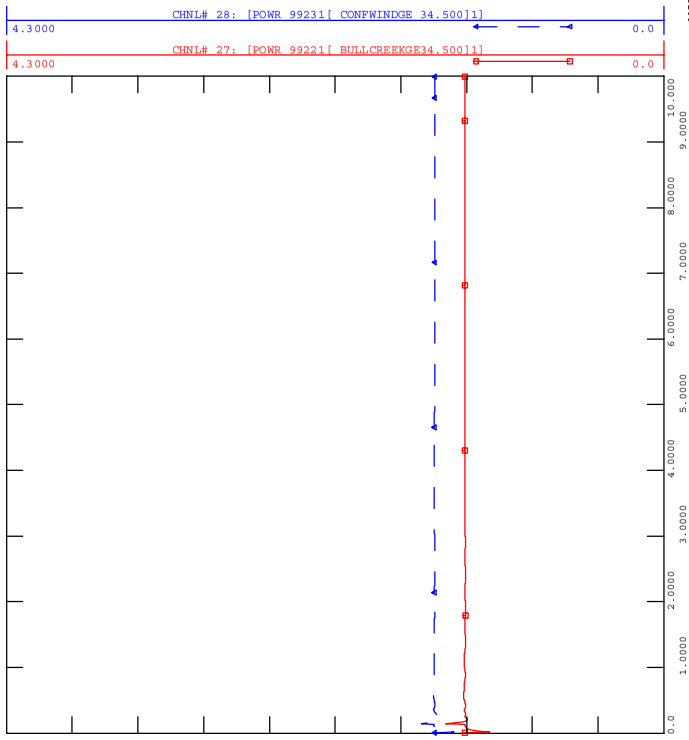


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

WIND MACHINE POWER

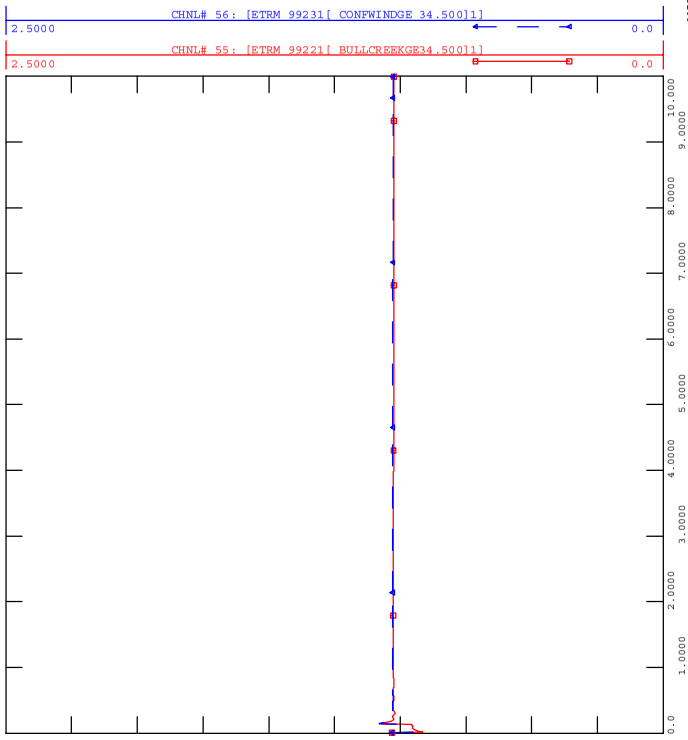


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

WIND MACH. TERMINAL VOLTS

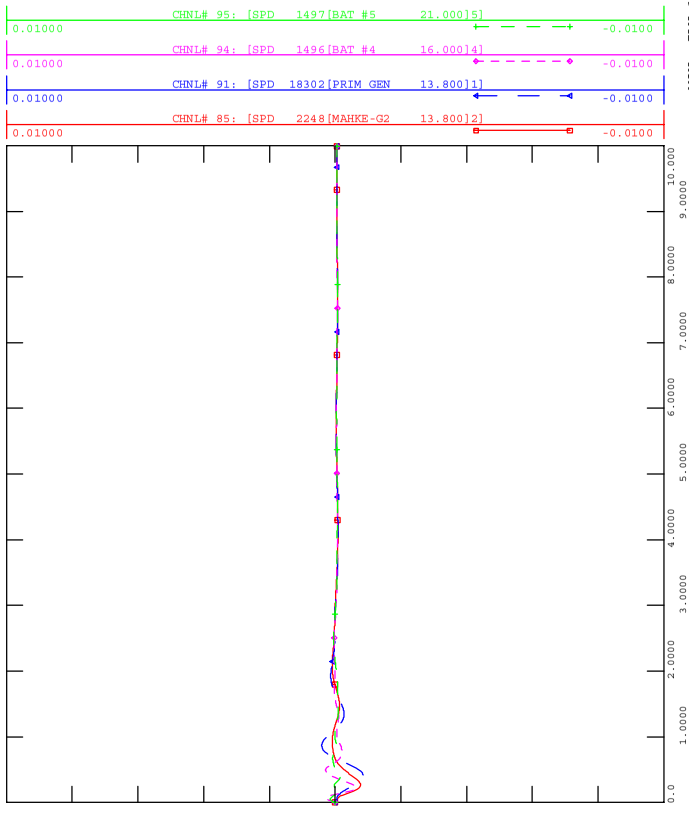


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

MACHINE SPEED

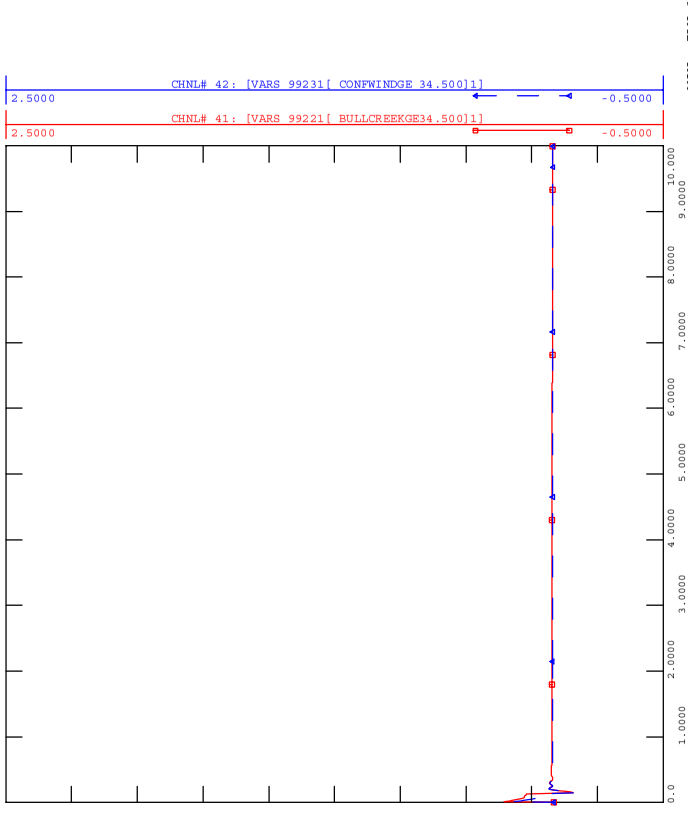


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

WIND MACHINE VARS

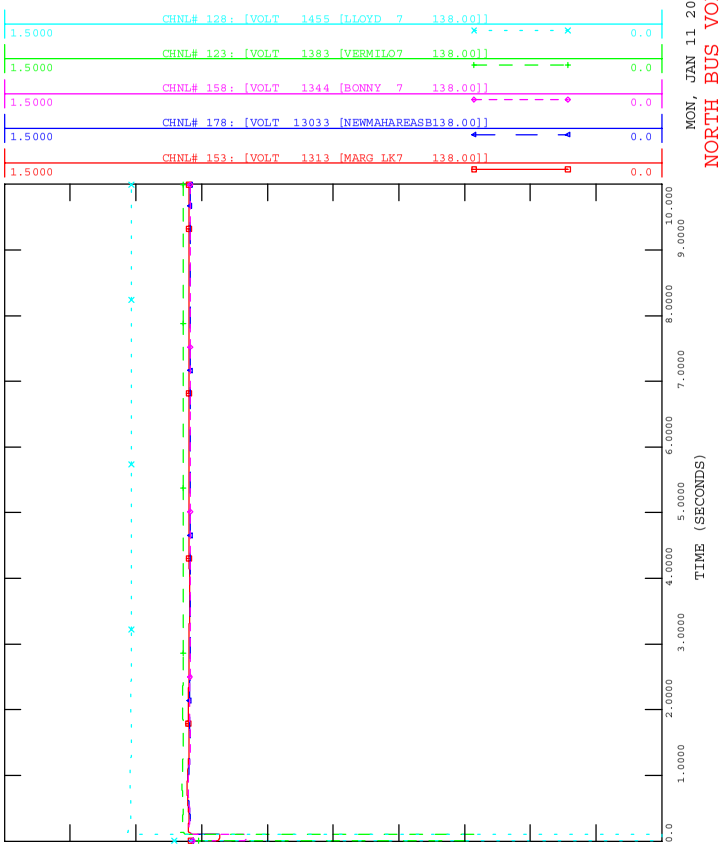


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

NORTH BUS VOLTAGES

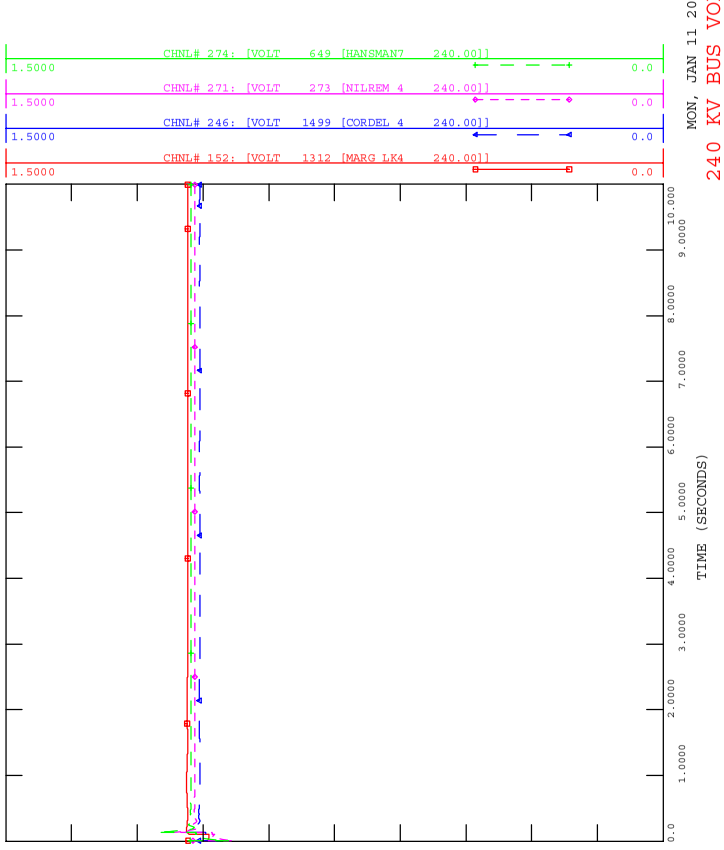


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

240 KV BUS VOLTAGES

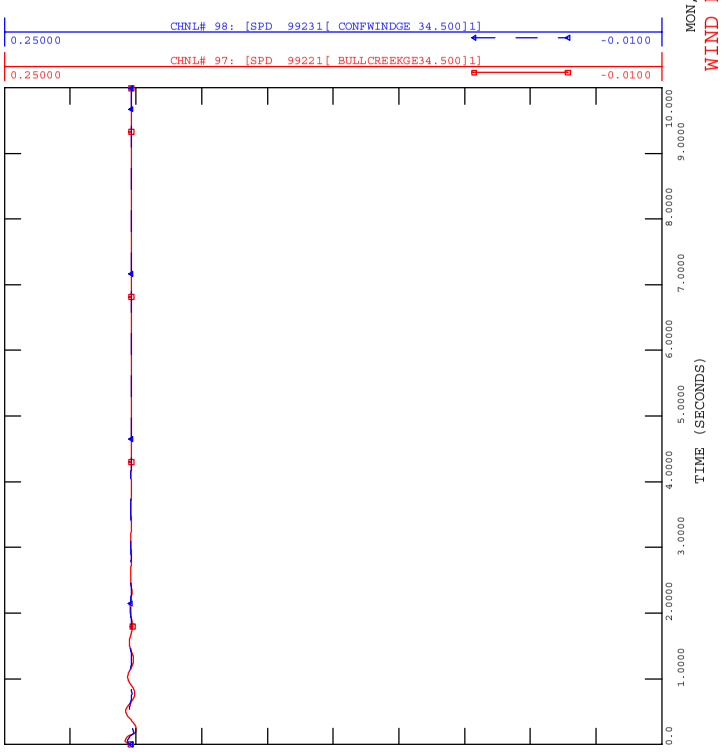


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

WIND MACHINE SPEED

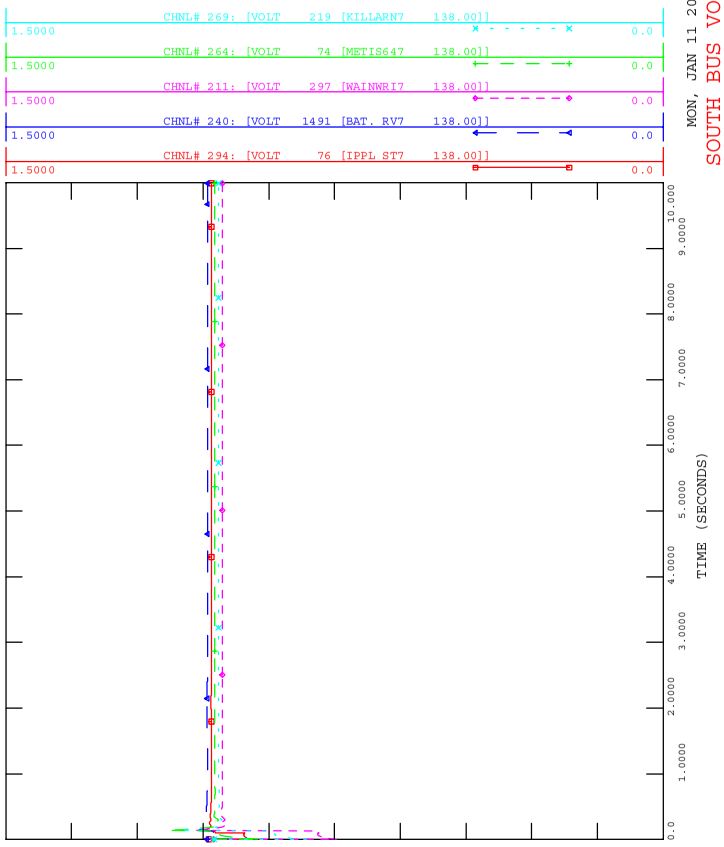


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

SOUTH BUS VOLTAGES

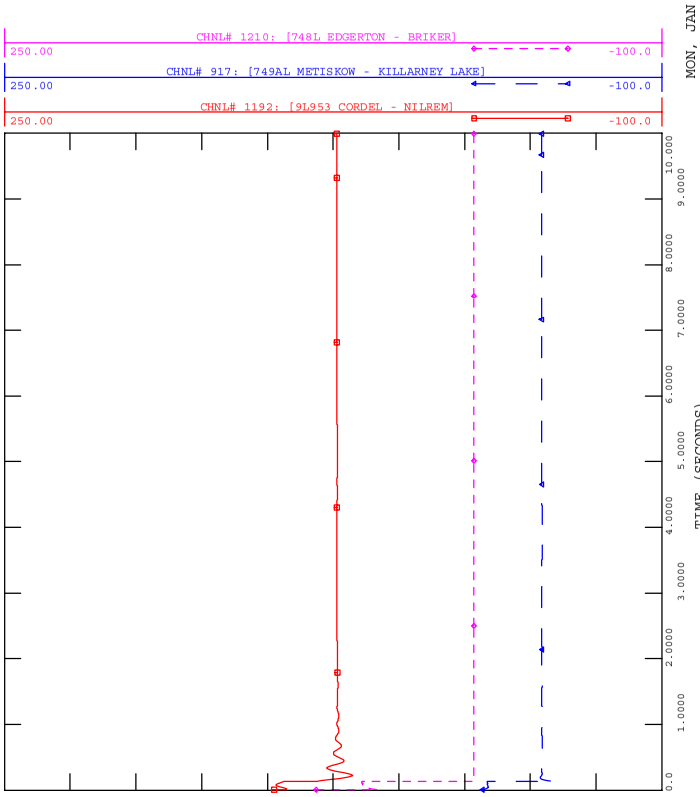


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

SOUTH LINES POWER FLOW

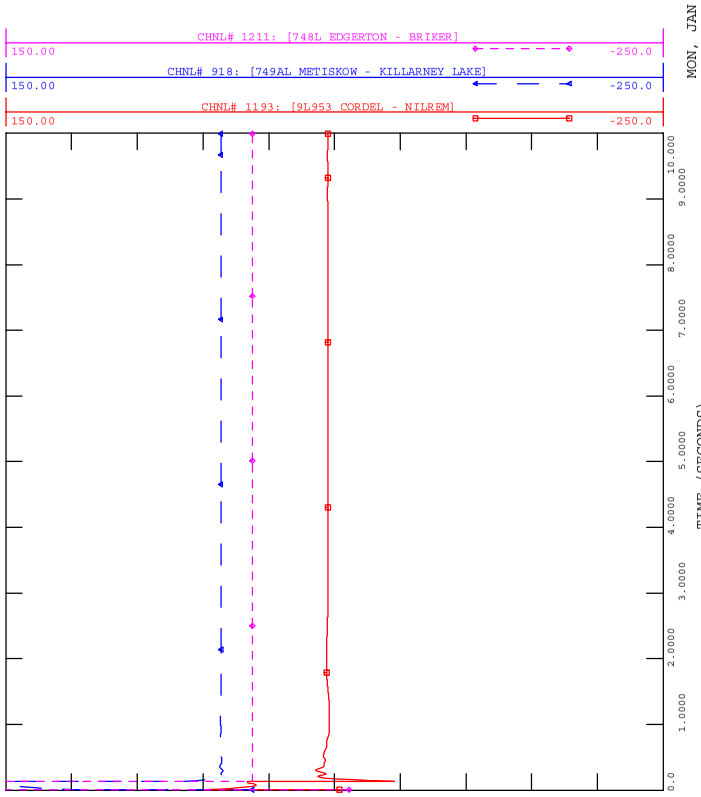


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

SOUTH LINES VAR FLOW

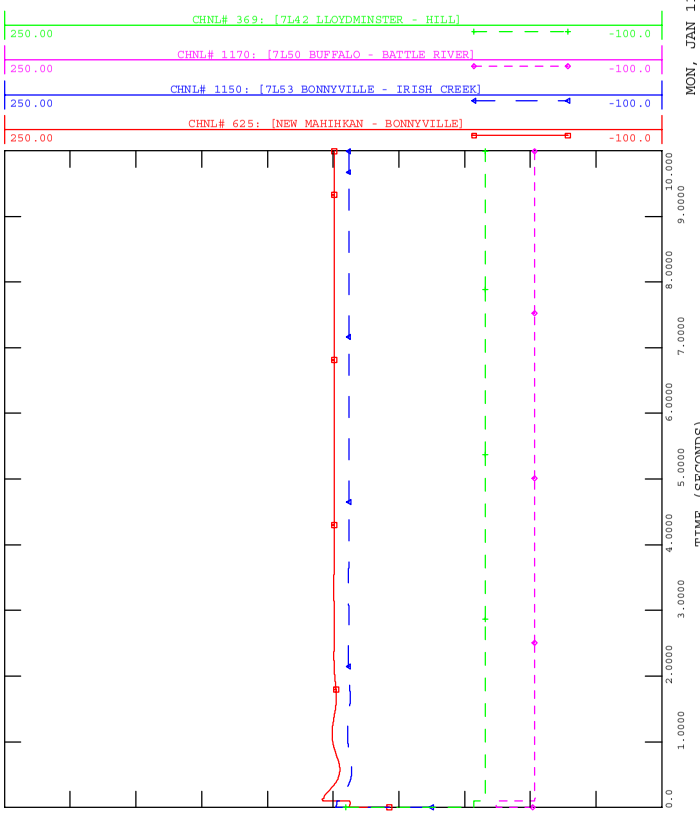


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:36

NORTH LINES POWER FLOW

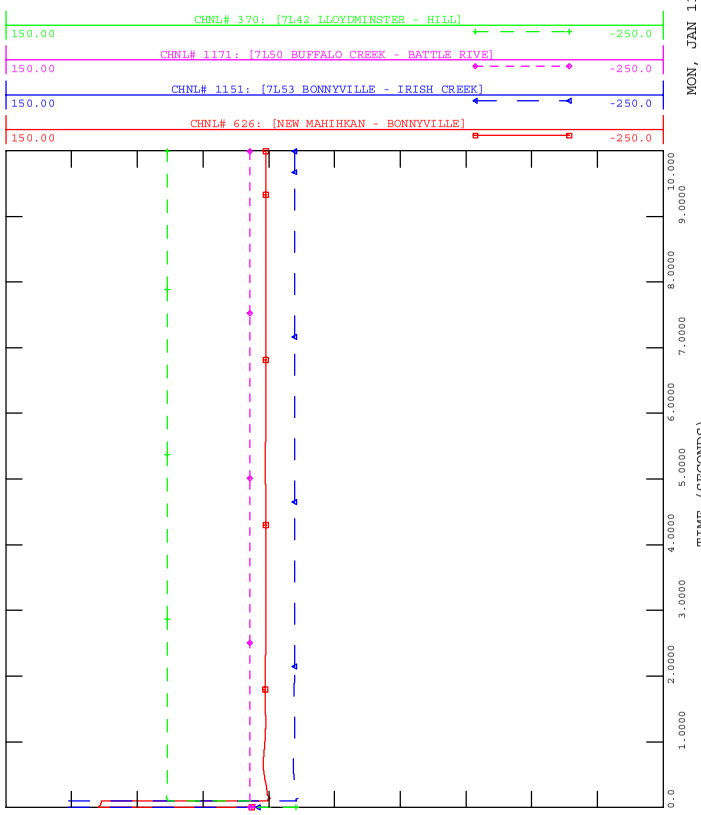


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

NORTH LINES VAR FLOW

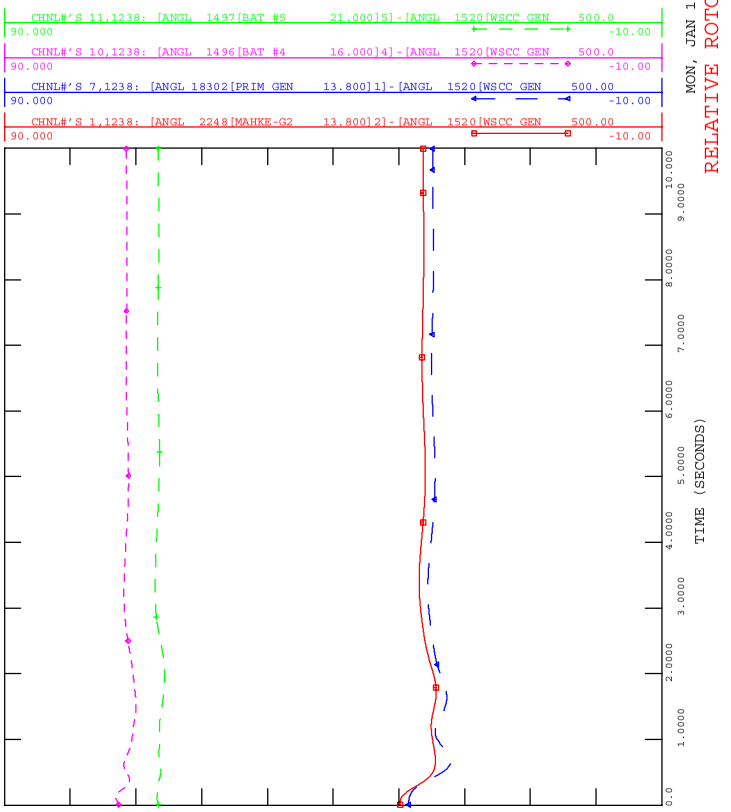


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

RELATIVE ROTOR ANGLES

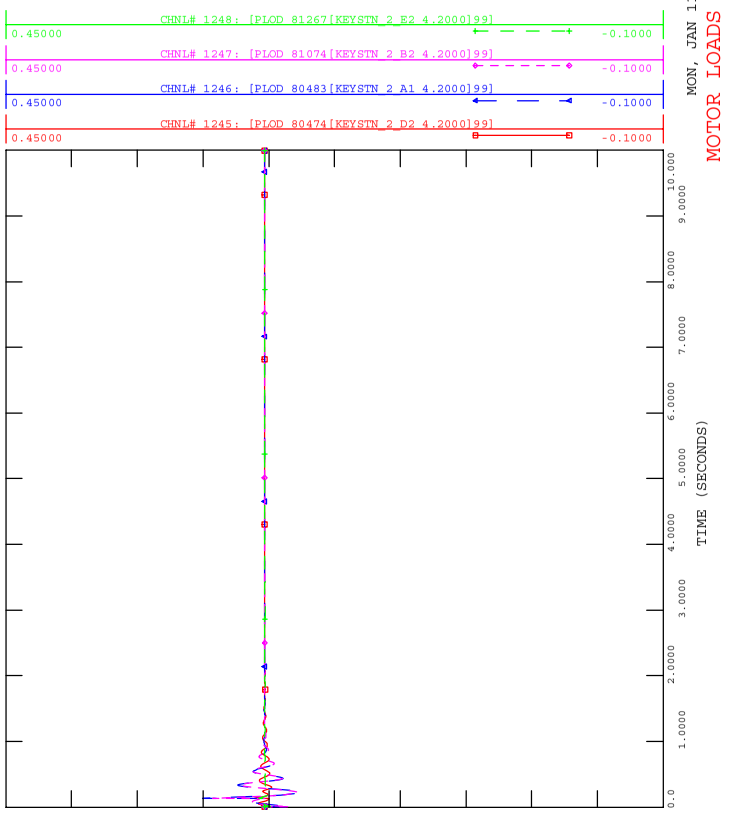


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

MOTOR LOADS GROUP II

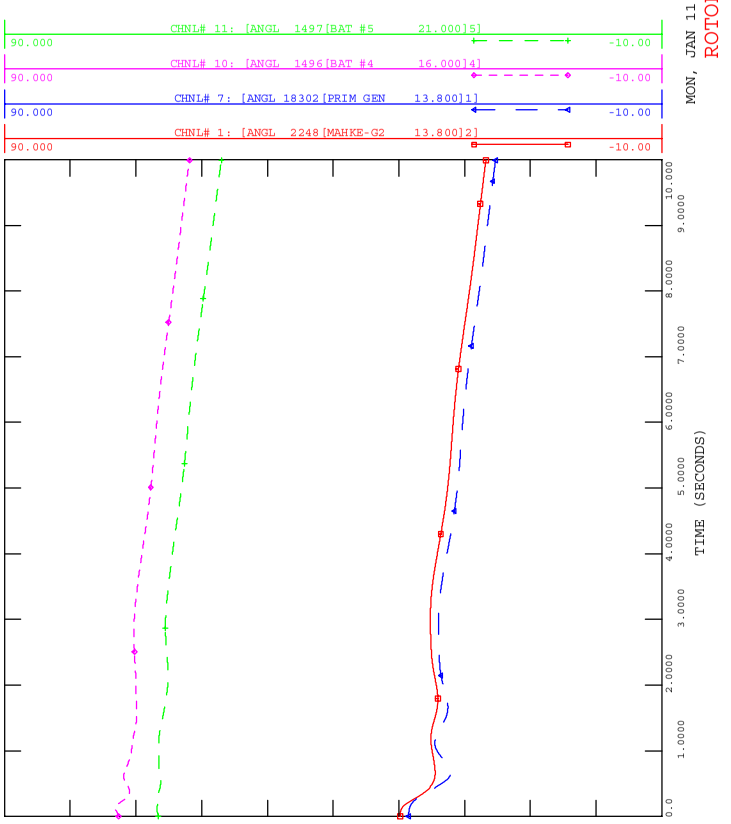


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

ROTOR ANGLES

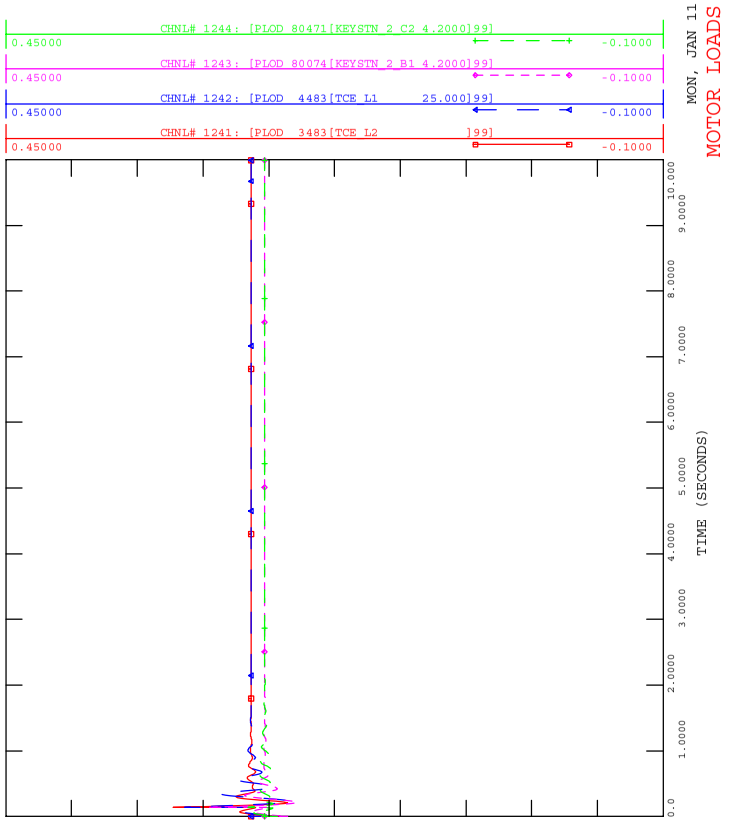


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

MOTOR LOADS GROUP I

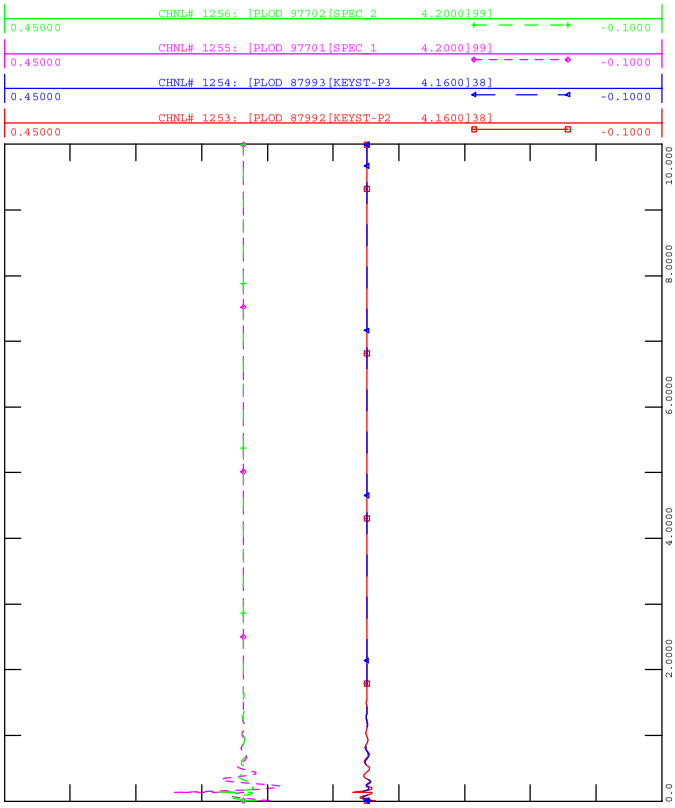


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

MOTOR LOADS GROUP IV

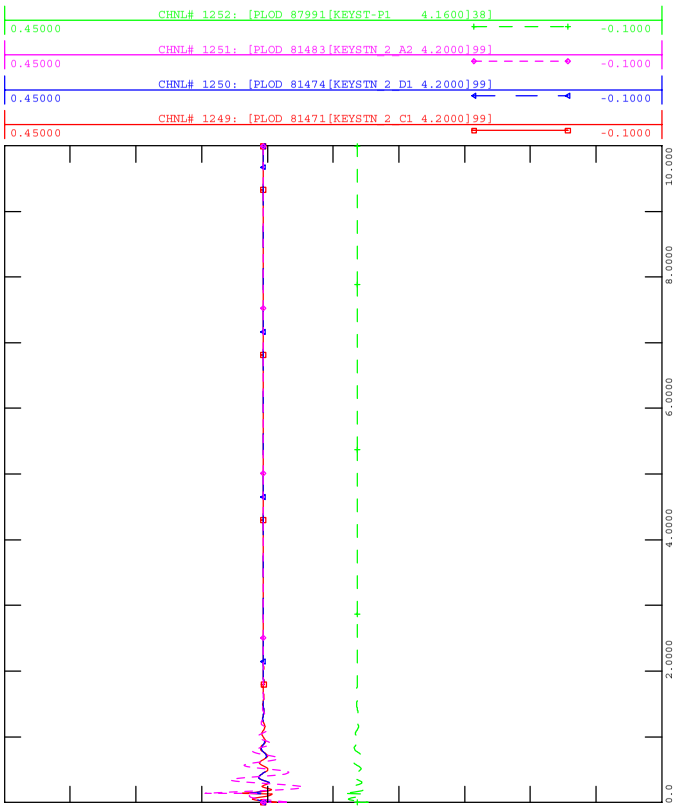


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-4fault.out

MON, JAN 11 2010 9:37

MOTOR LOADS GROUP III

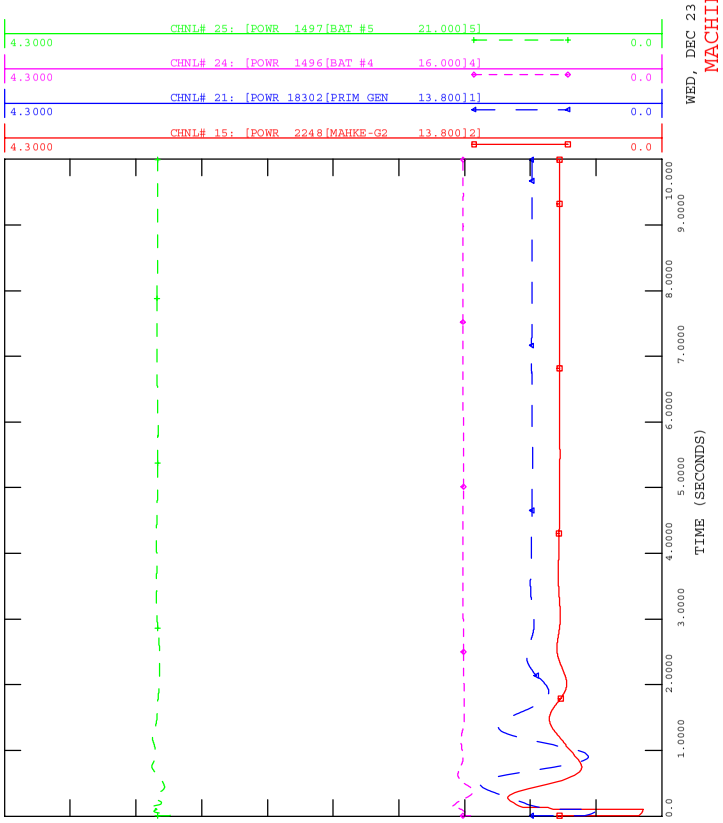


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

MACHINE POWER

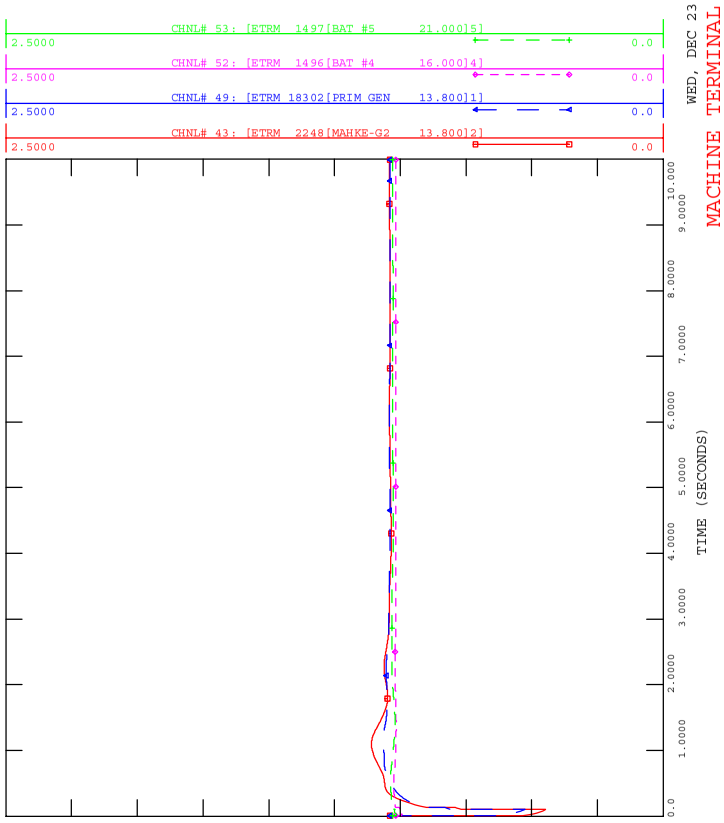


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

MACHINE TERMINAL VOLTAGE

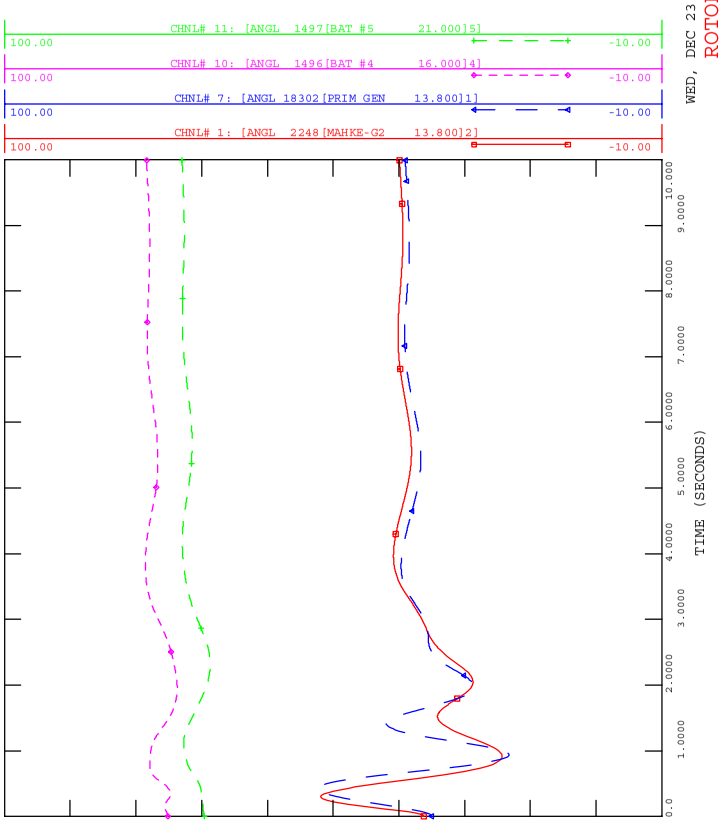


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

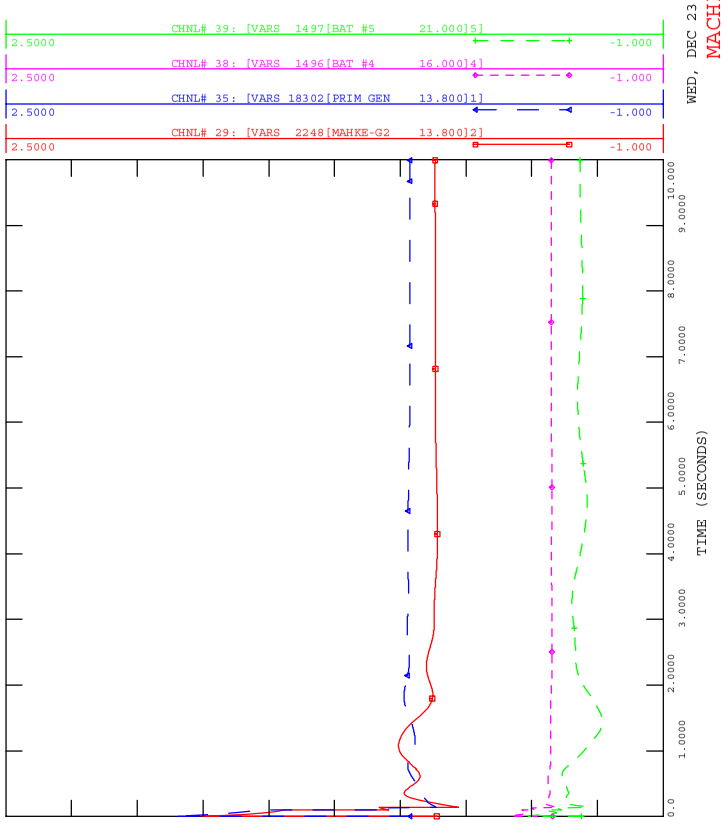


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

MACHINE VARS

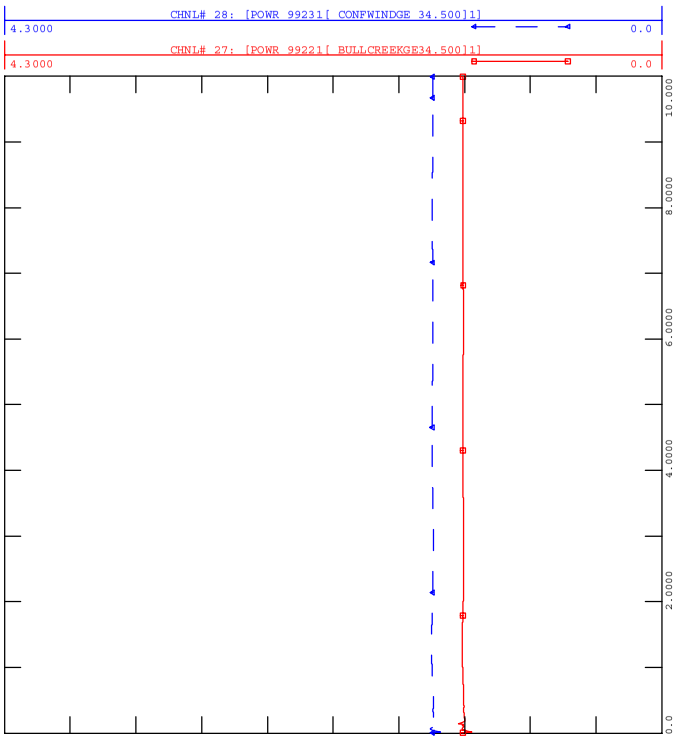


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

WIND MACHINE POWER

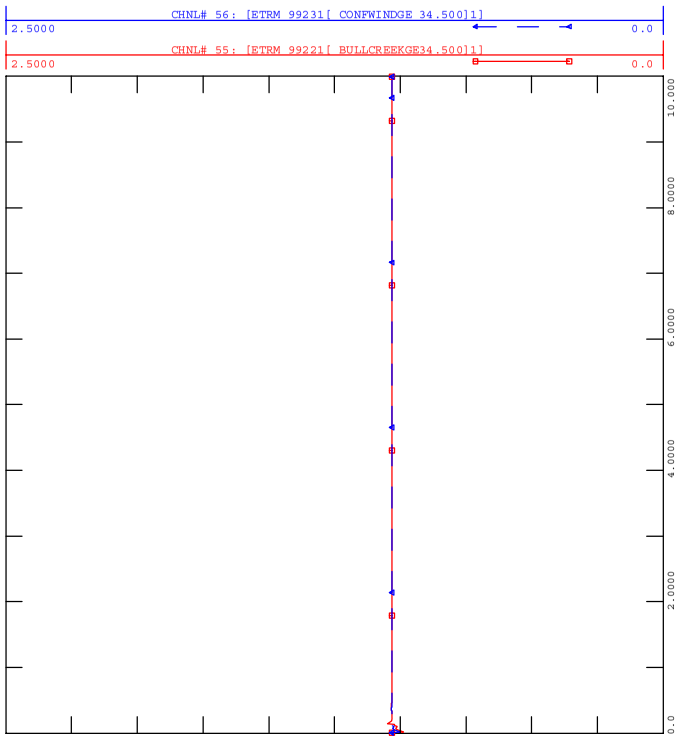


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

WIND MACH. TERMINAL VOLTS

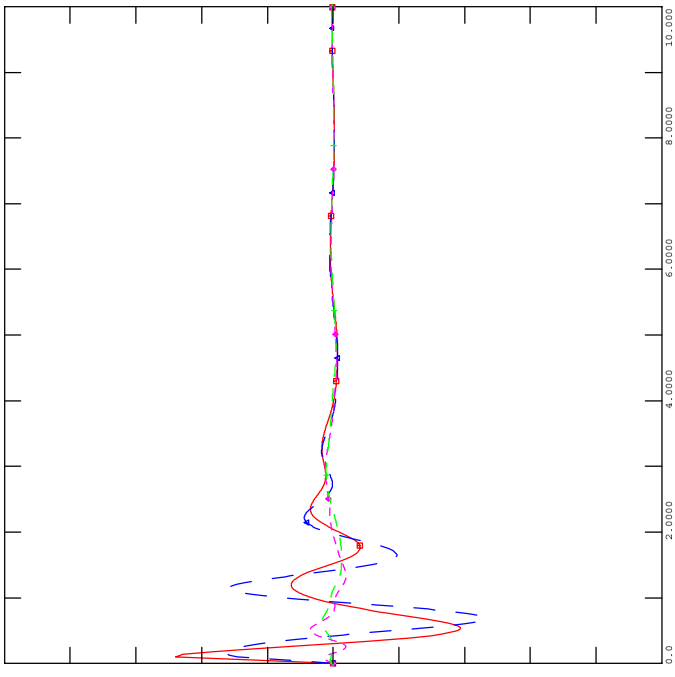


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

MACHINE SPEED

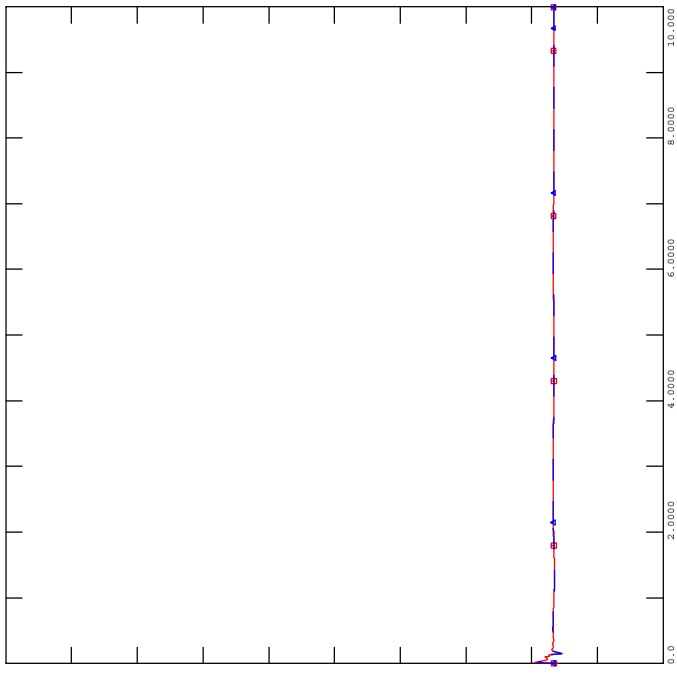


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

WIND MACHINE VARS

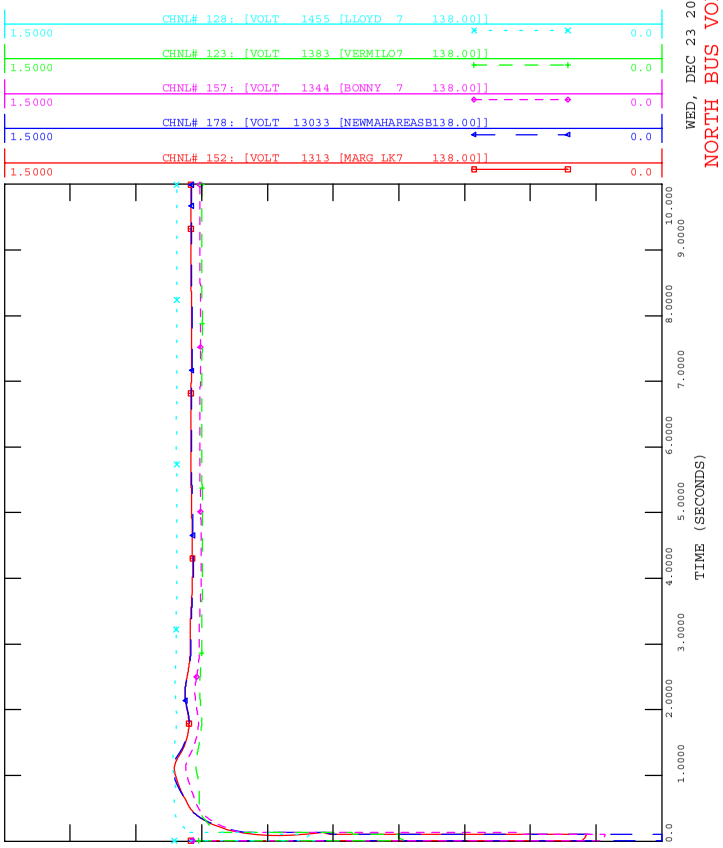


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

NORTH BUS VOLTAGES

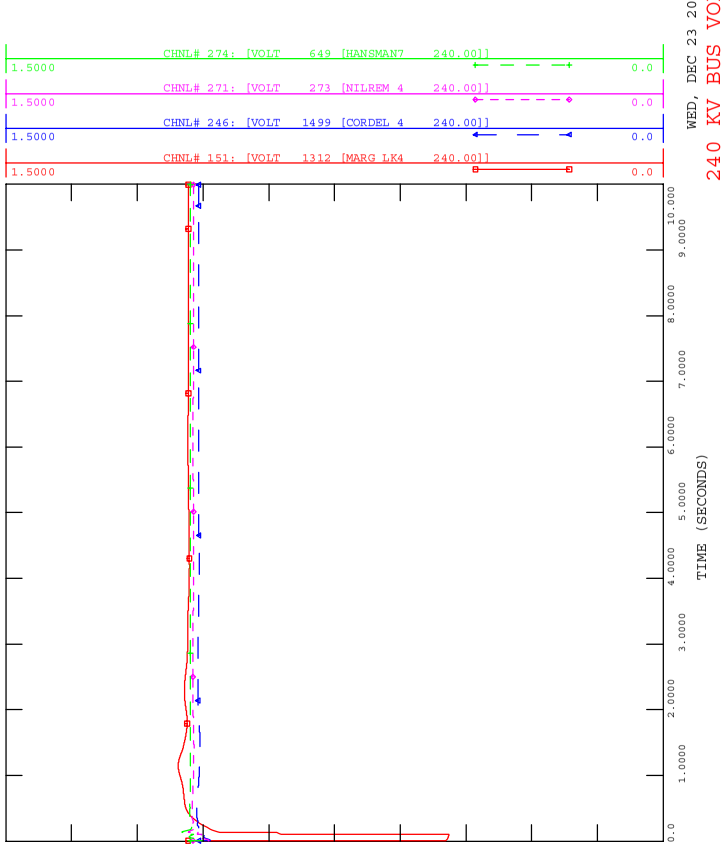


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

240 KV BUS VOLTAGES

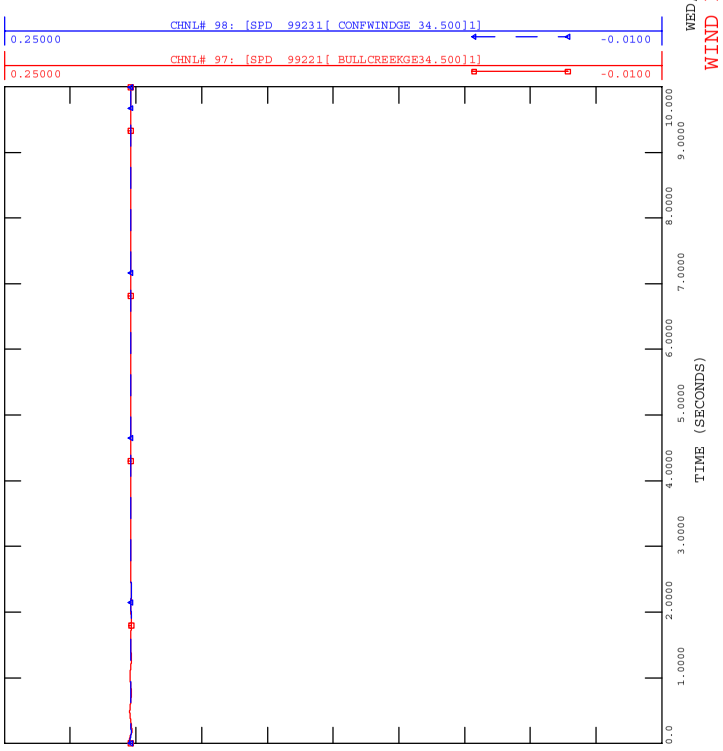


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

WIND MACHINE SPEED

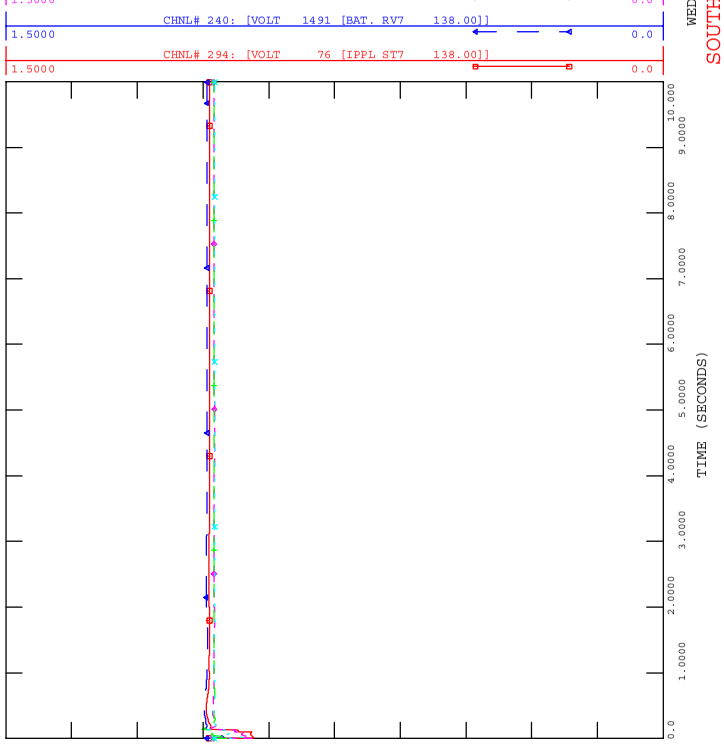


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

SOUTH BUS VOLTAGES

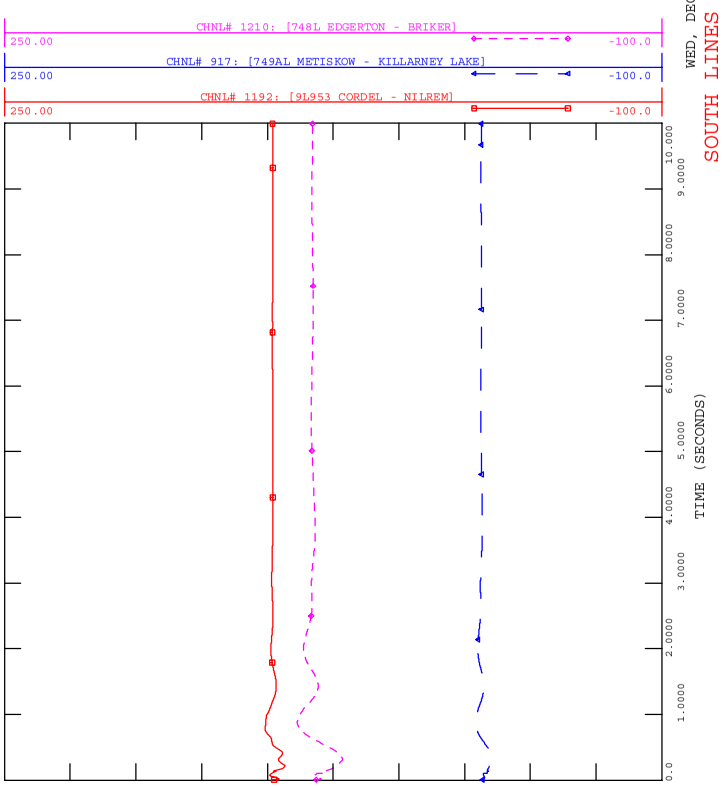


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

SOUTH LINES POWER FLOW

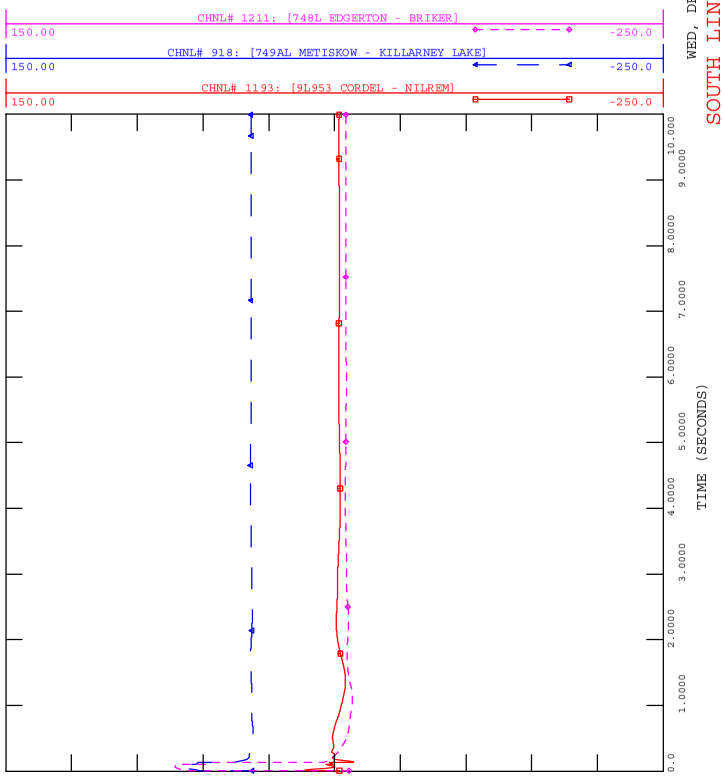


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

SOUTH LINES VAR FLOW

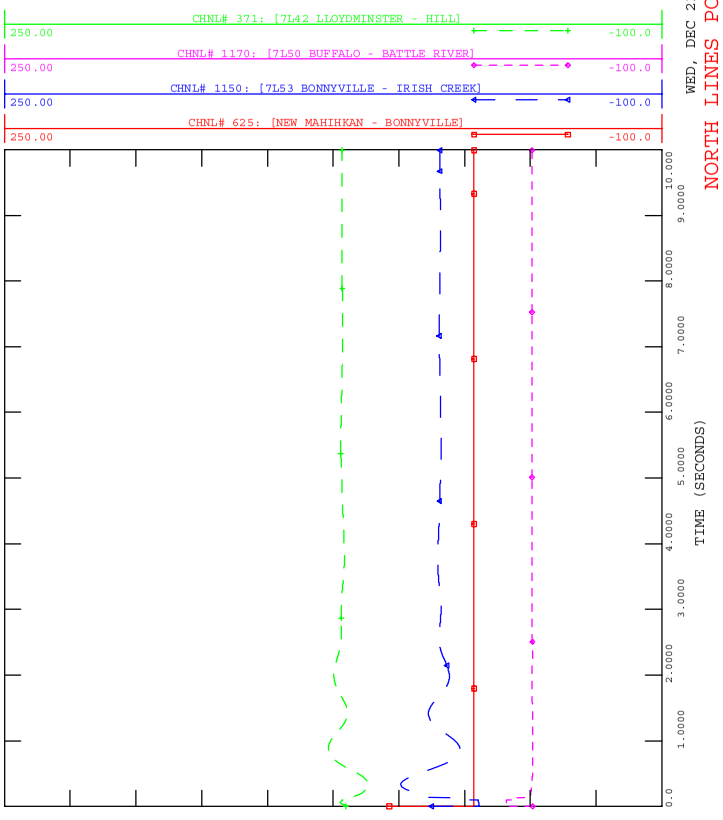


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

WED, DEC 23 2009 15:52

NORTH LINES POWER FLOW

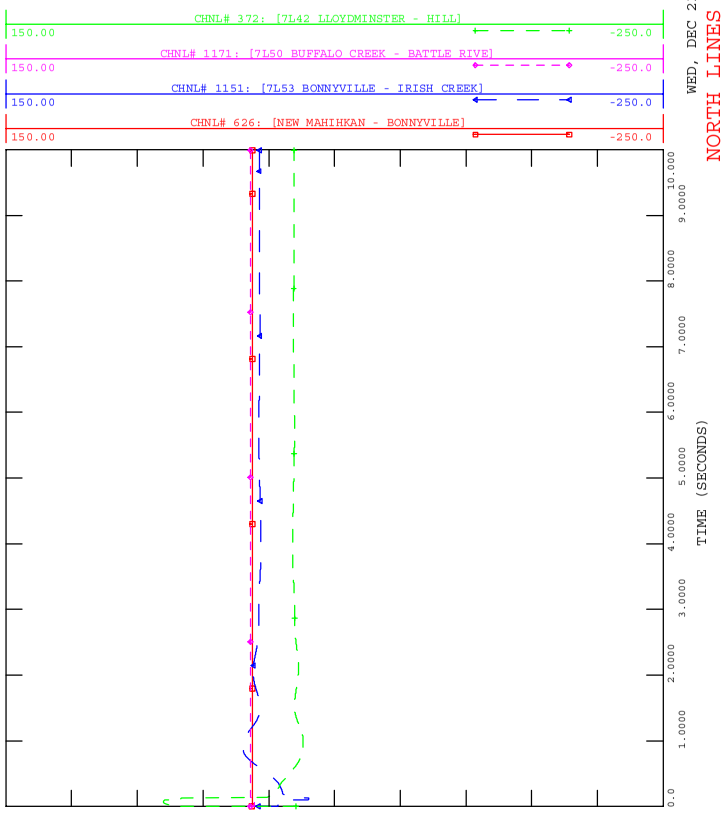


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

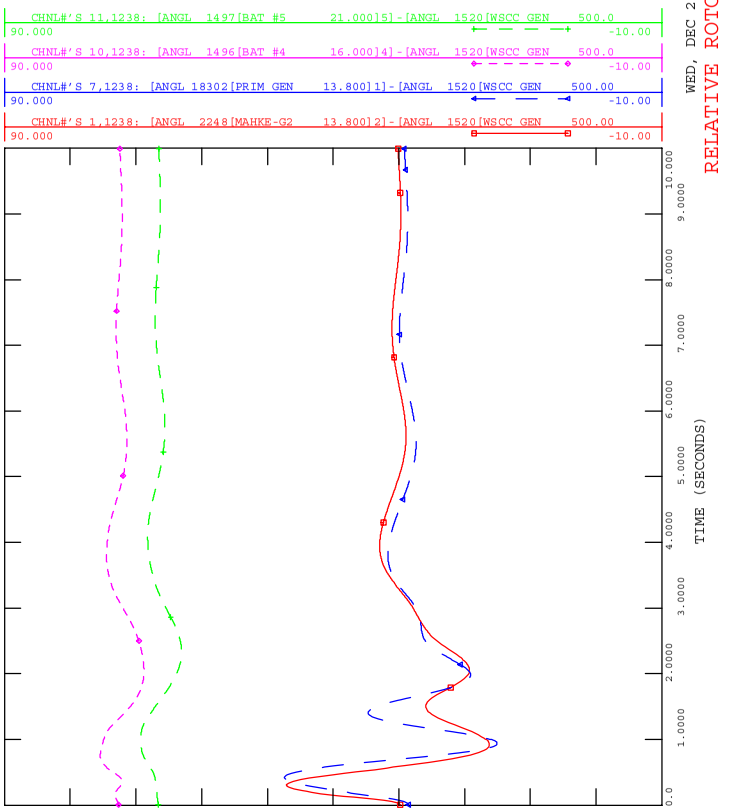
WED, DEC 23 2009 15:52

NORTH LINES VAR FLOW



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

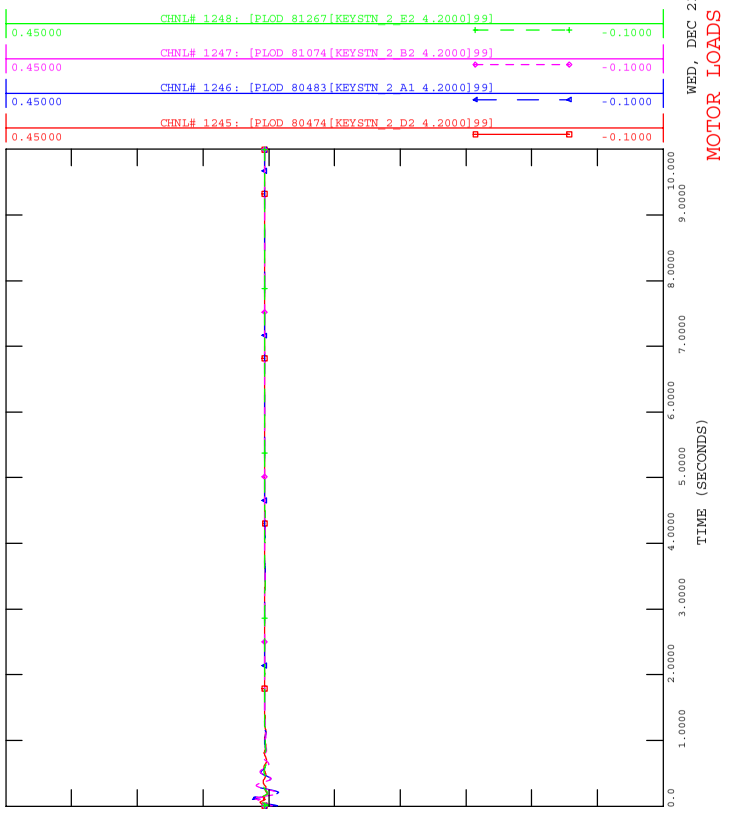


WED, DEC 23 2009 15:52

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

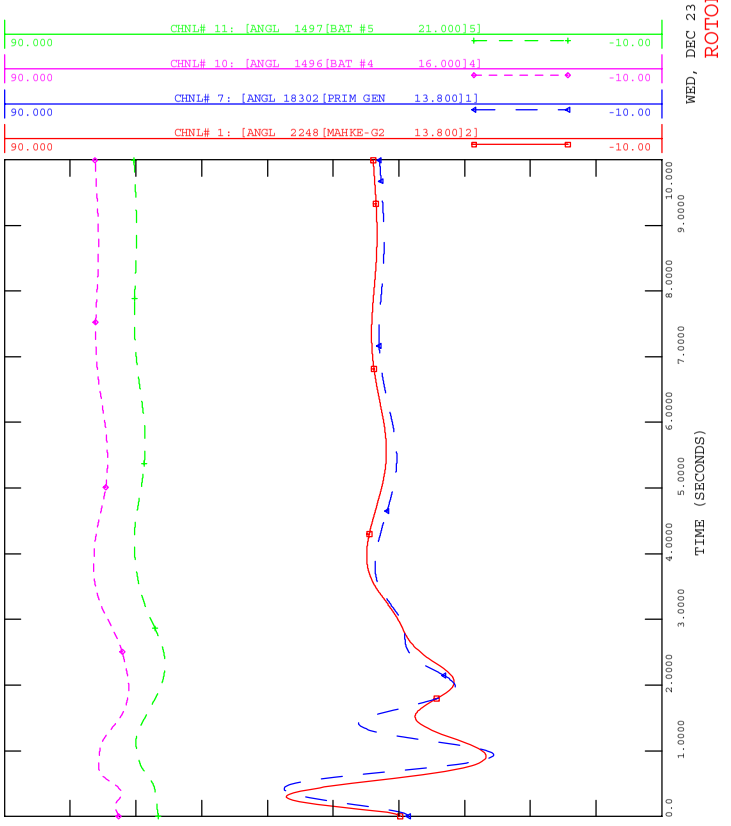


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

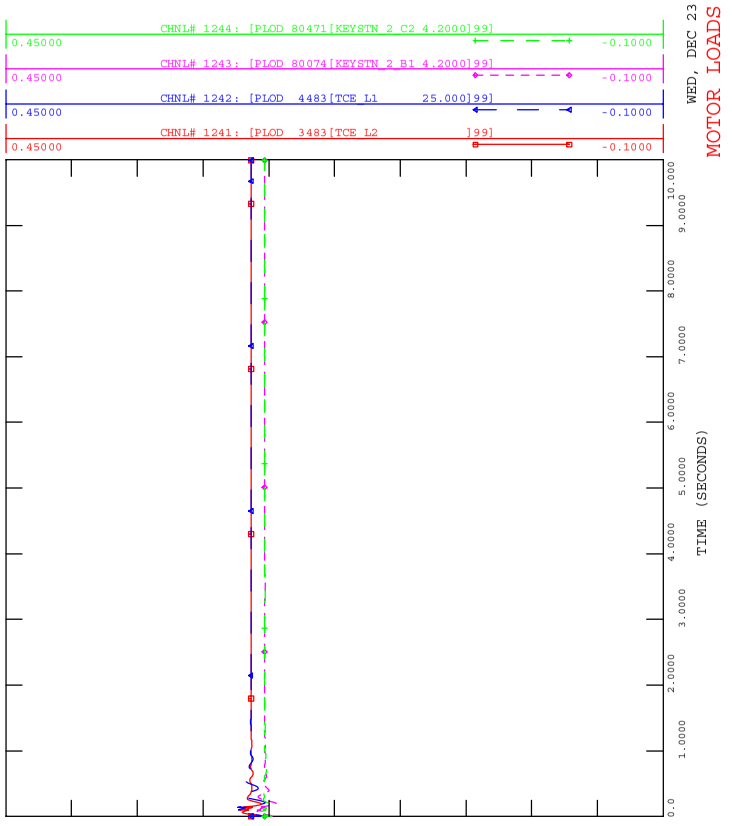


WED, DEC 23 2009 15:52

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

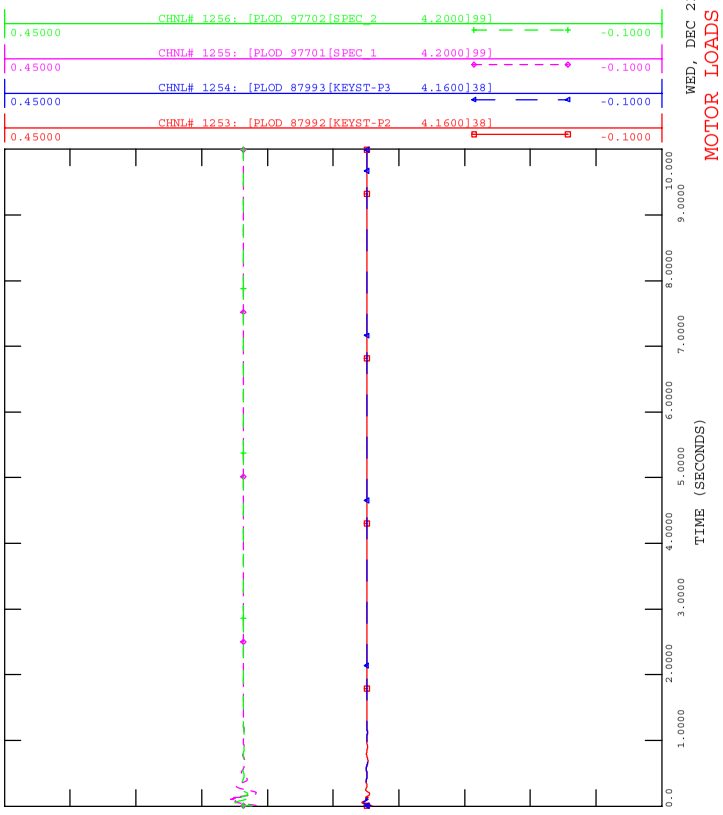


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out

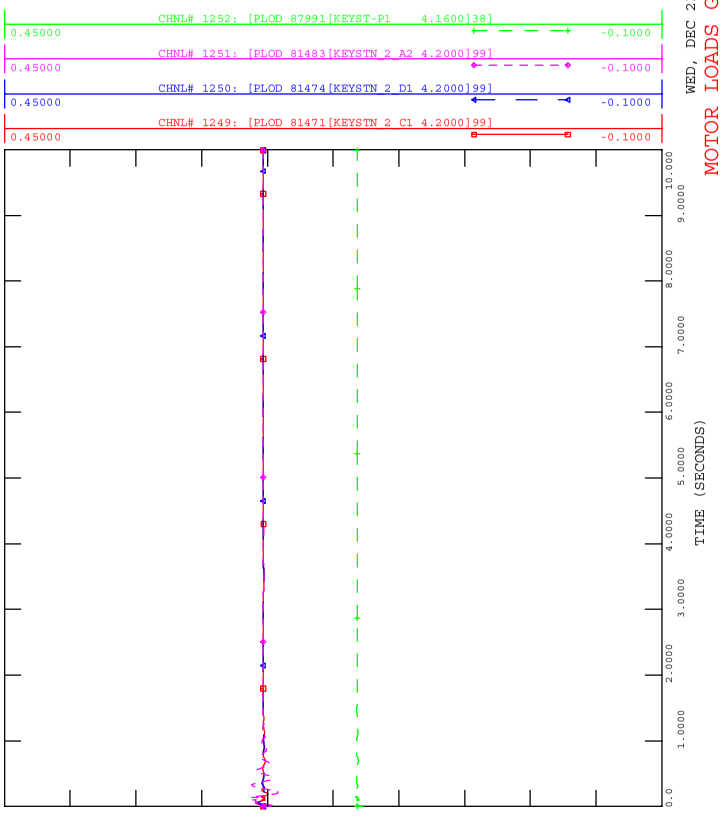


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-5fault.out



WED, DEC 23 2009 15:52

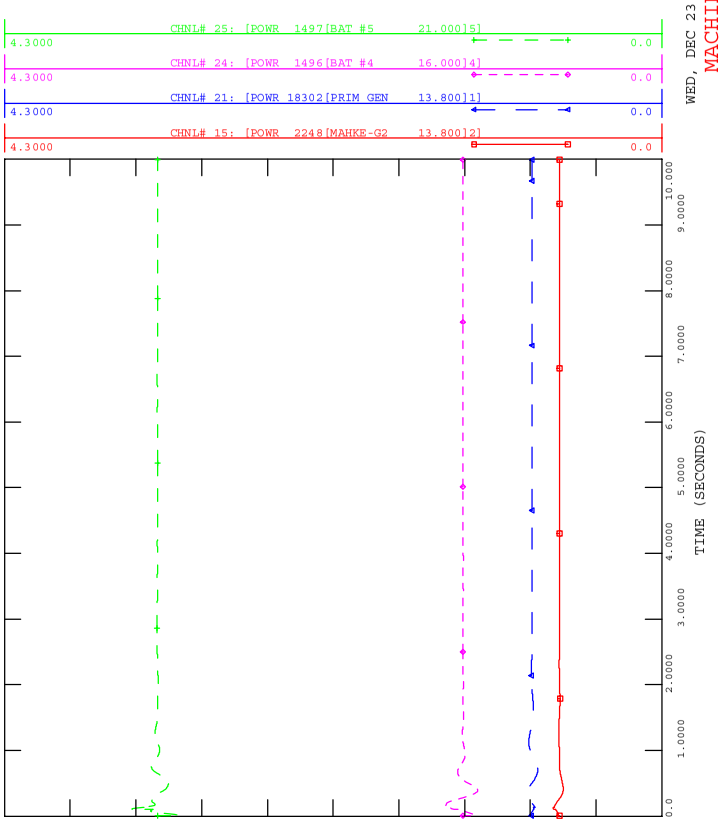
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

MACHINE POWER

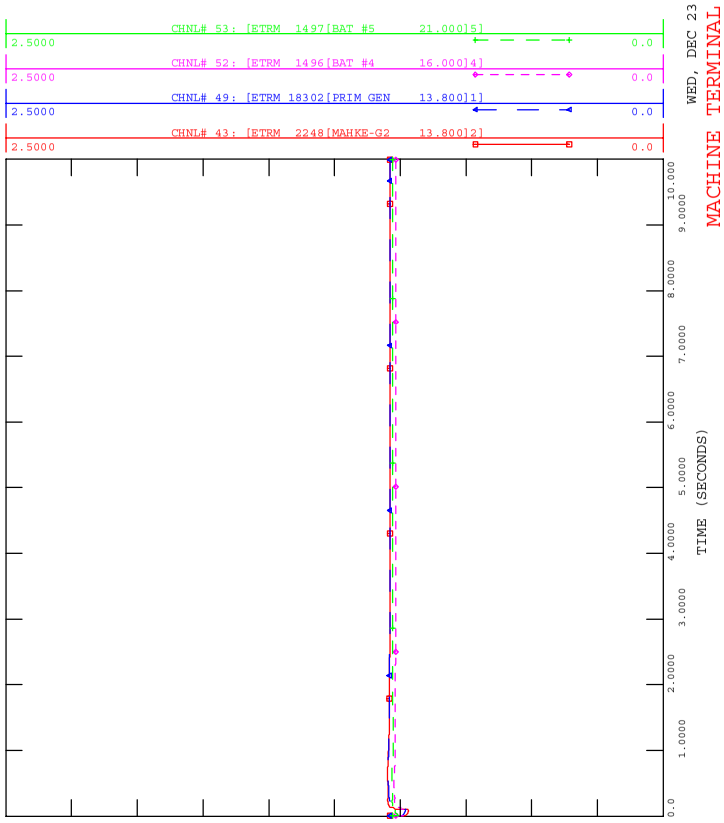


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

MACHINE TERMINAL VOLTAGE

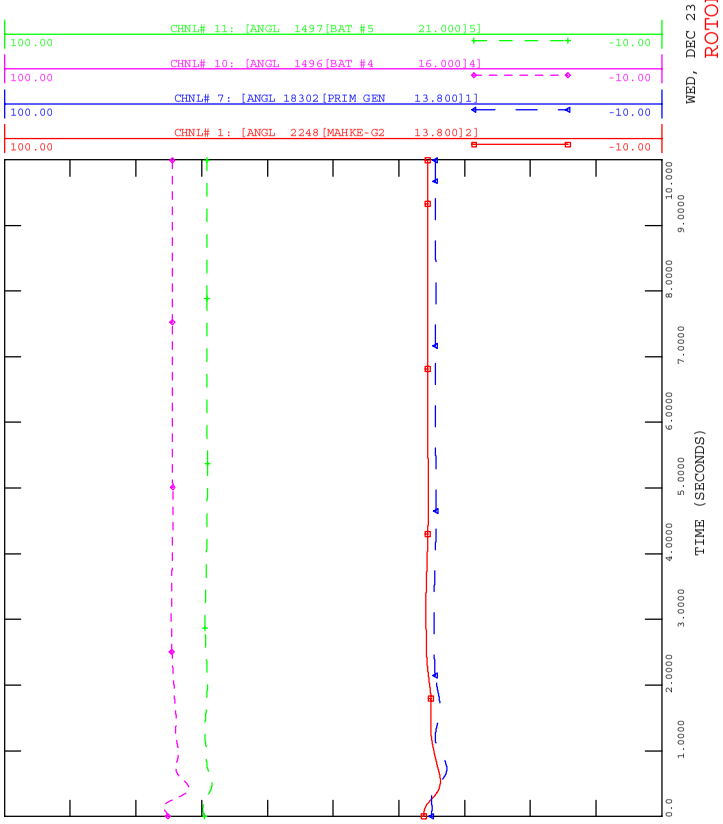


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

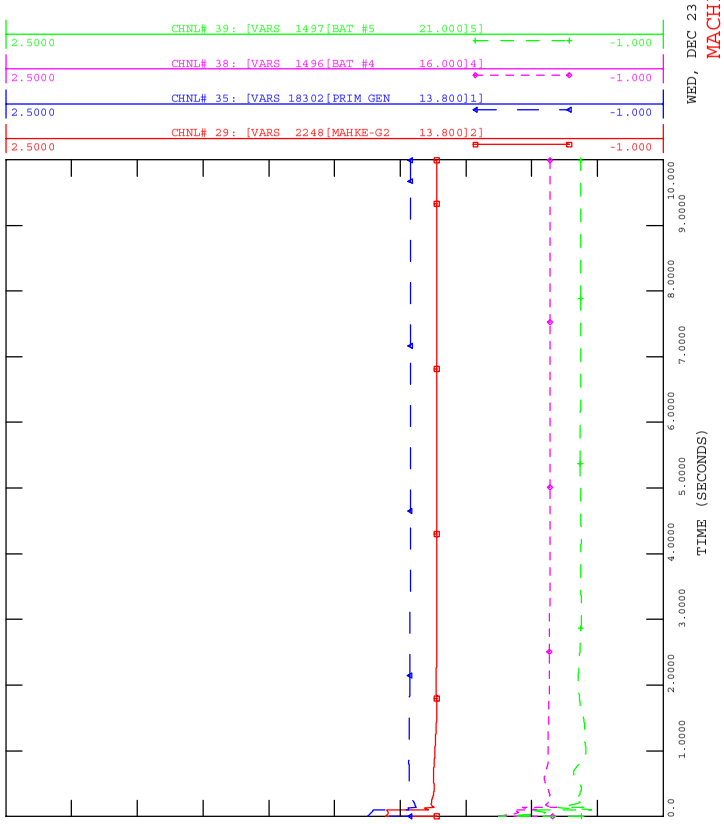


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

MACHINE VARS

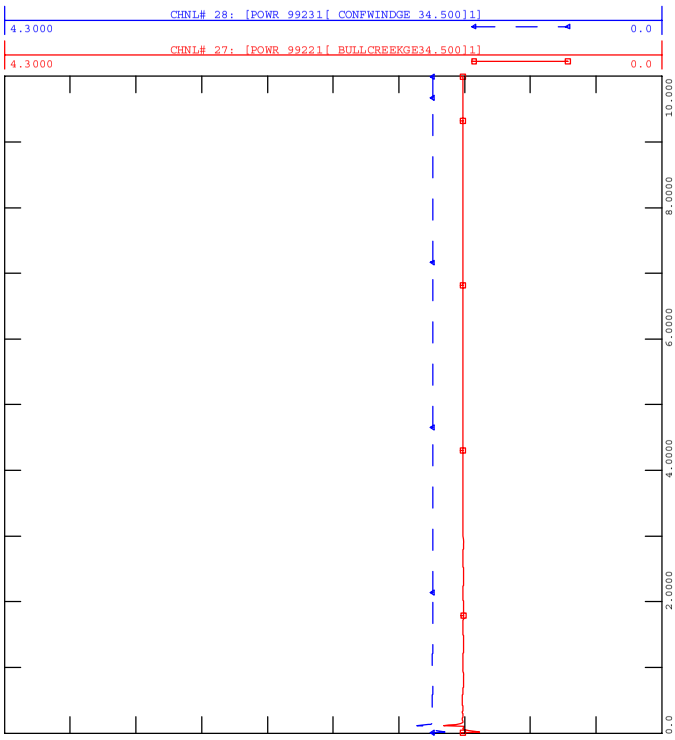


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

WIND MACHINE POWER

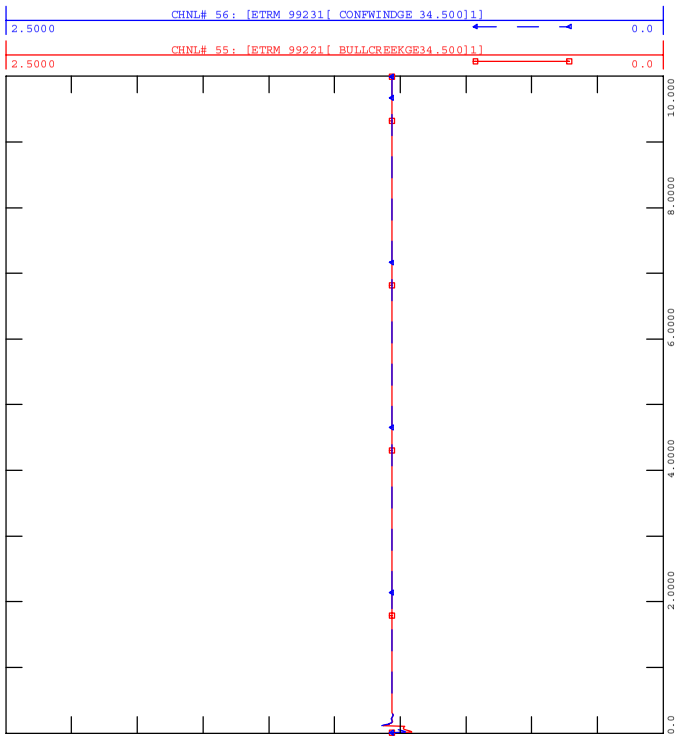


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

WIND MACH. TERMINAL VOLTS

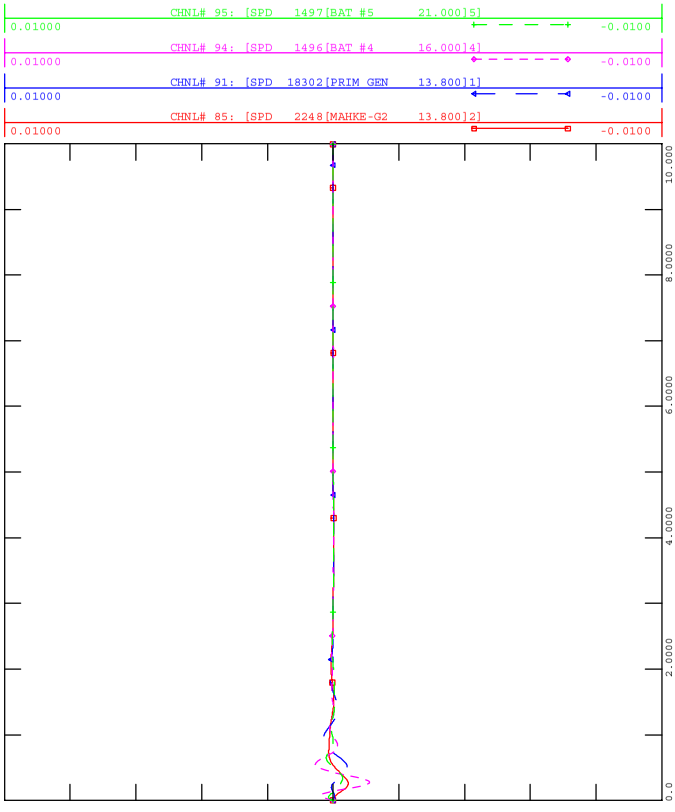


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

MACHINE SPEED

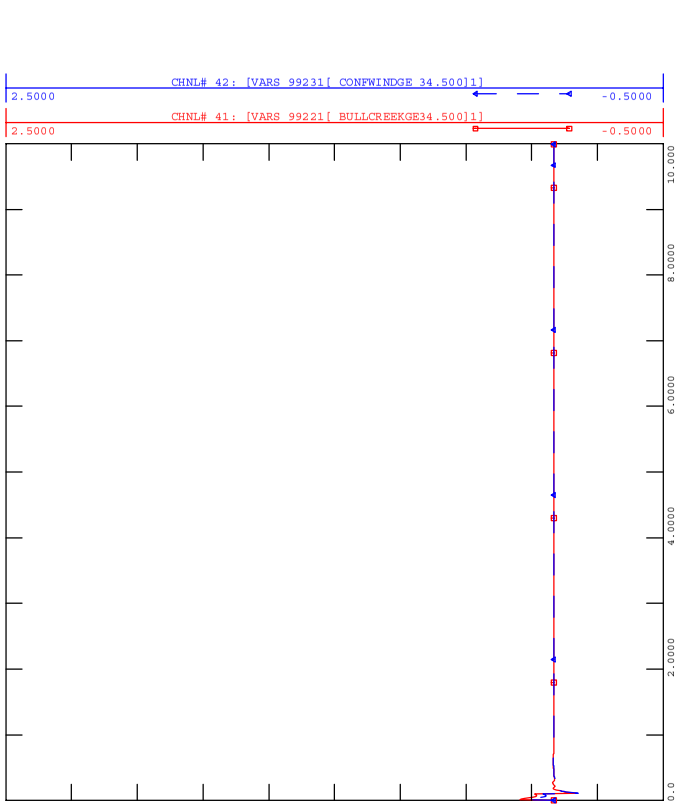


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

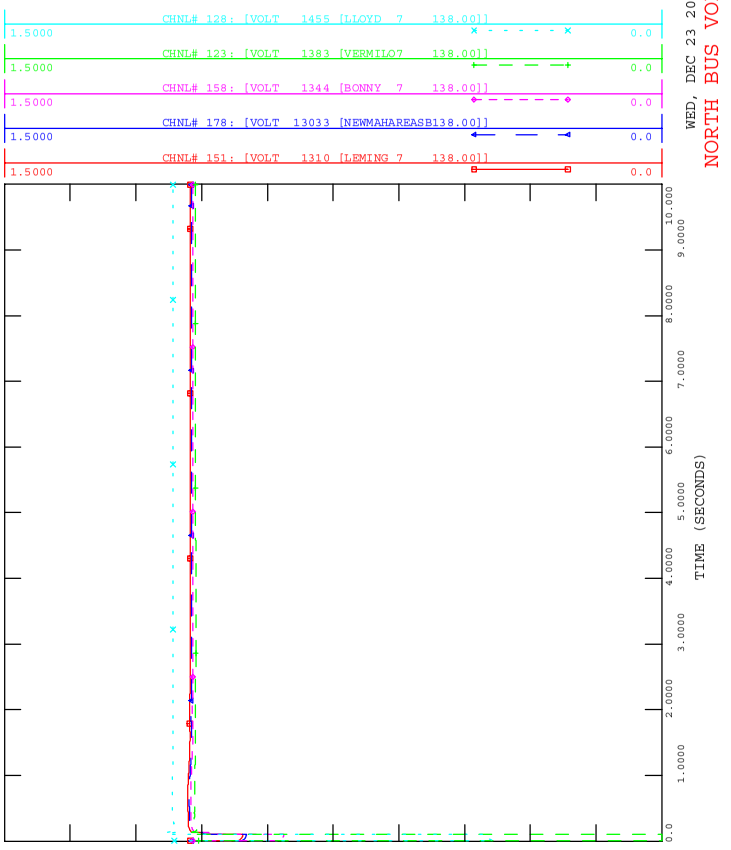
WED, DEC 23 2009 15:52

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

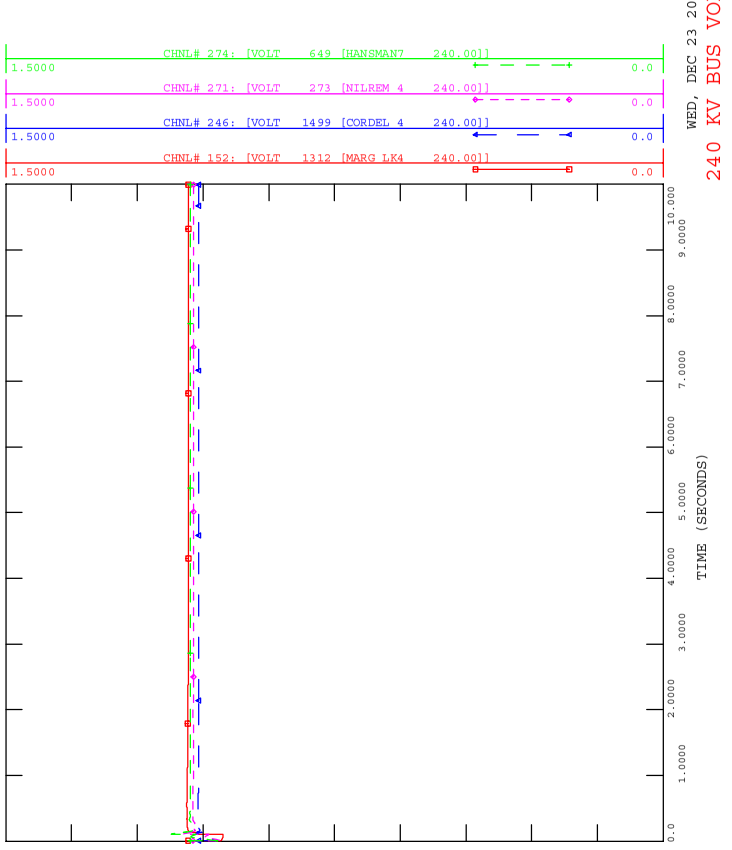


WED, DEC 23 2009 15:52

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

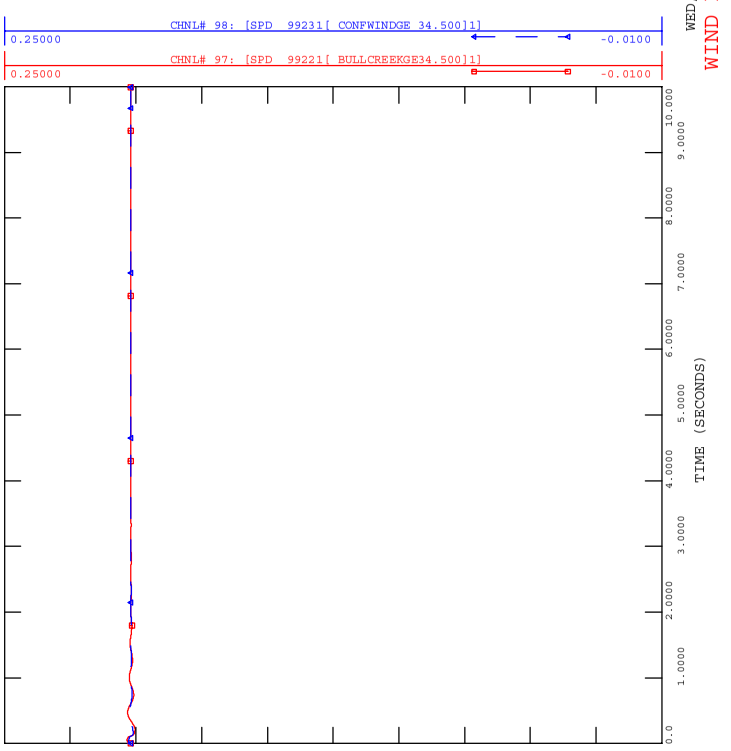


WED, DEC 23 2009 15:52

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

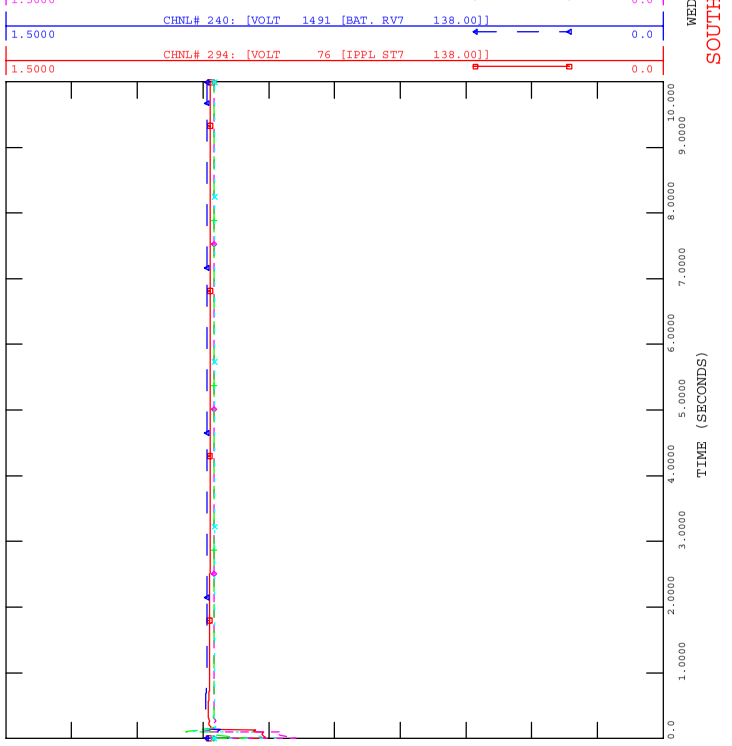


WED, DEC 23 2009 15:52

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out



WED, DEC 23 2009 15:52

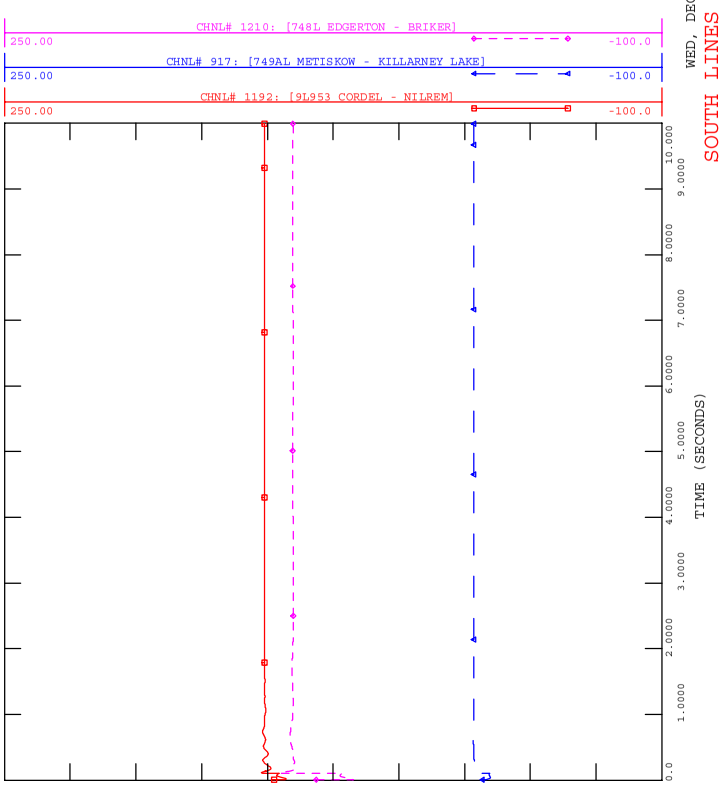
SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

SOUTH LINES POWER FLOW

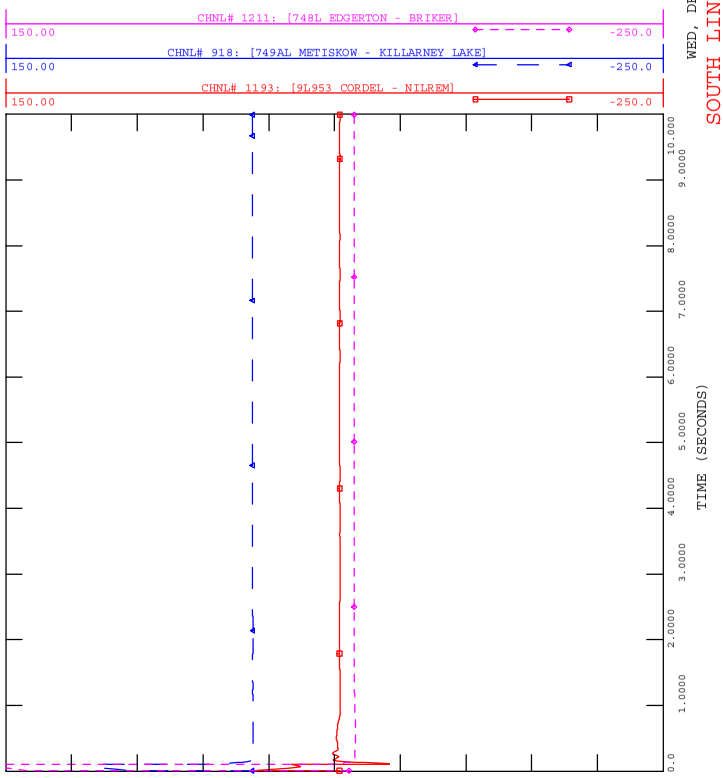


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

SOUTH LINES VAR FLOW

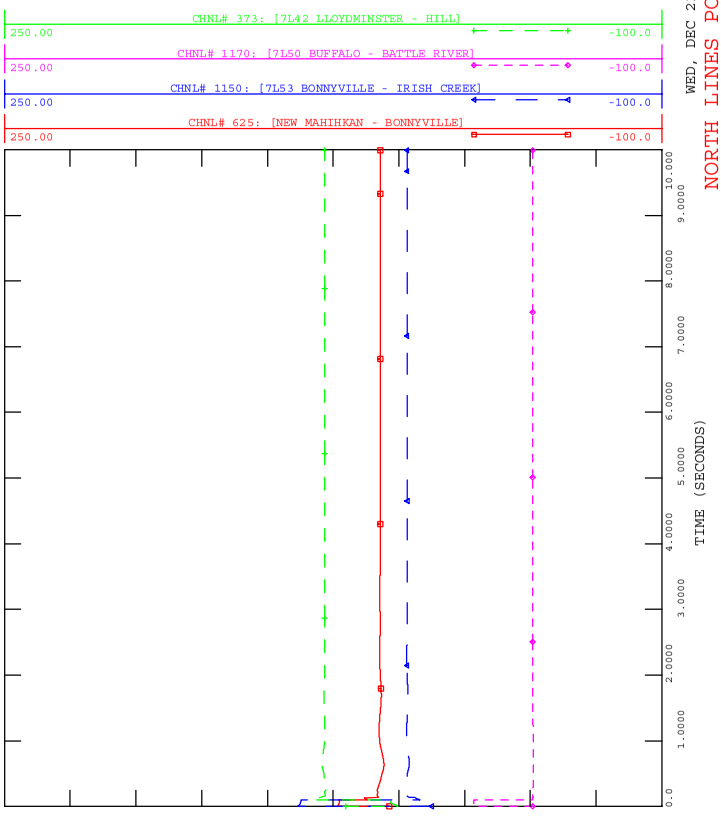


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

NORTH LINES POWER FLOW

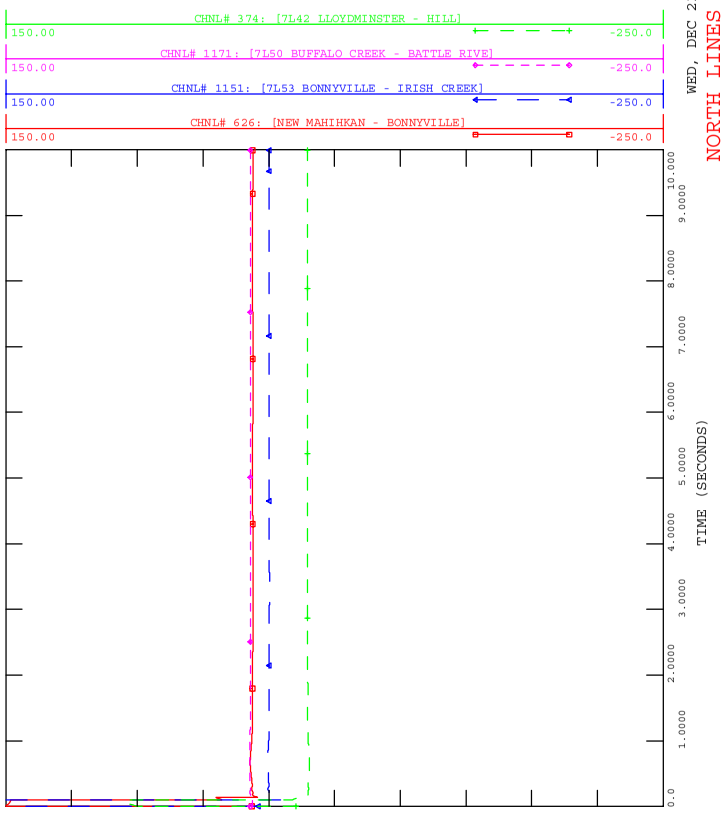


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

NORTH LINES VAR FLOW

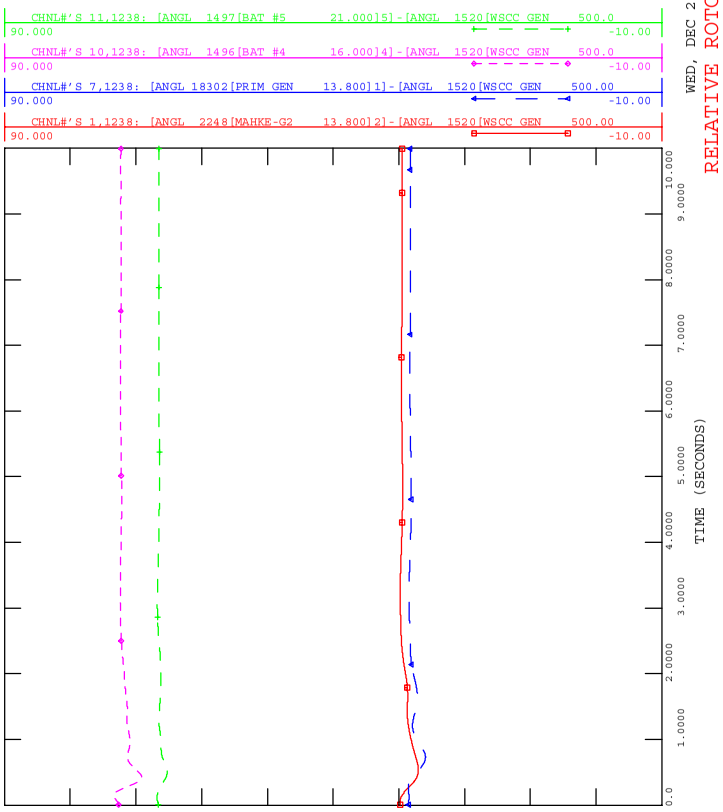


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

RELATIVE ROTOR ANGLES

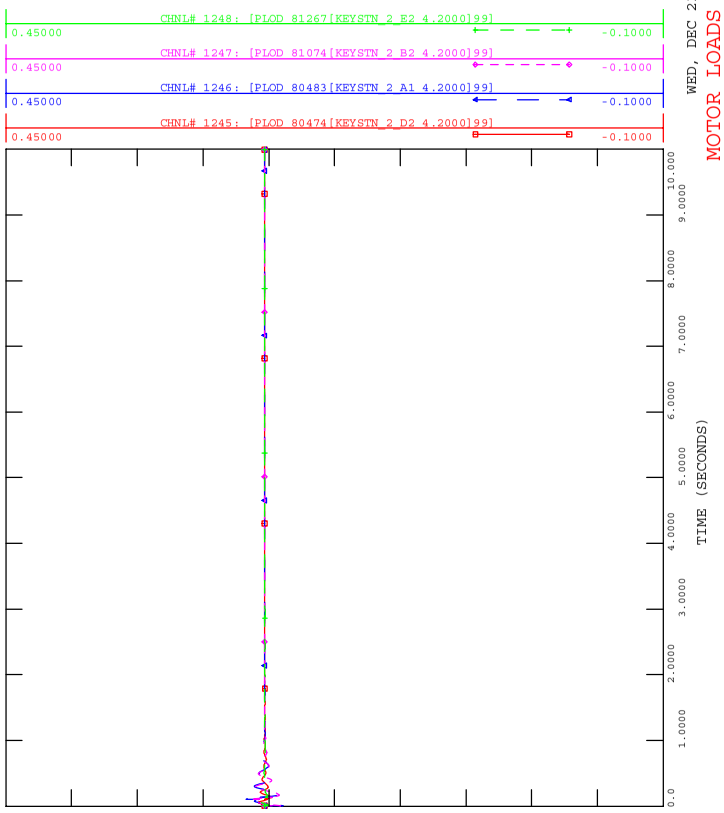


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

MOTOR LOADS GROUP II

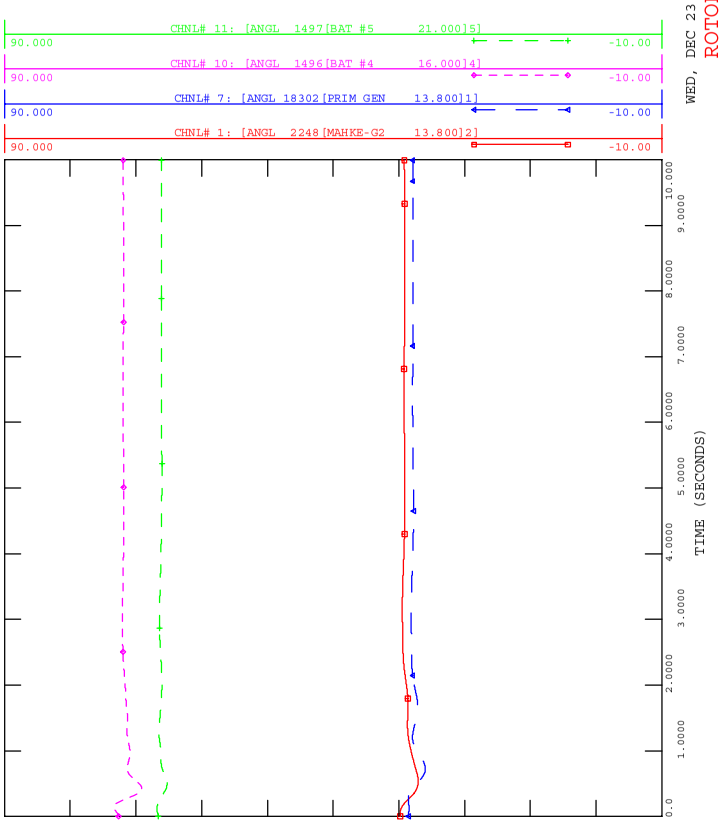


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

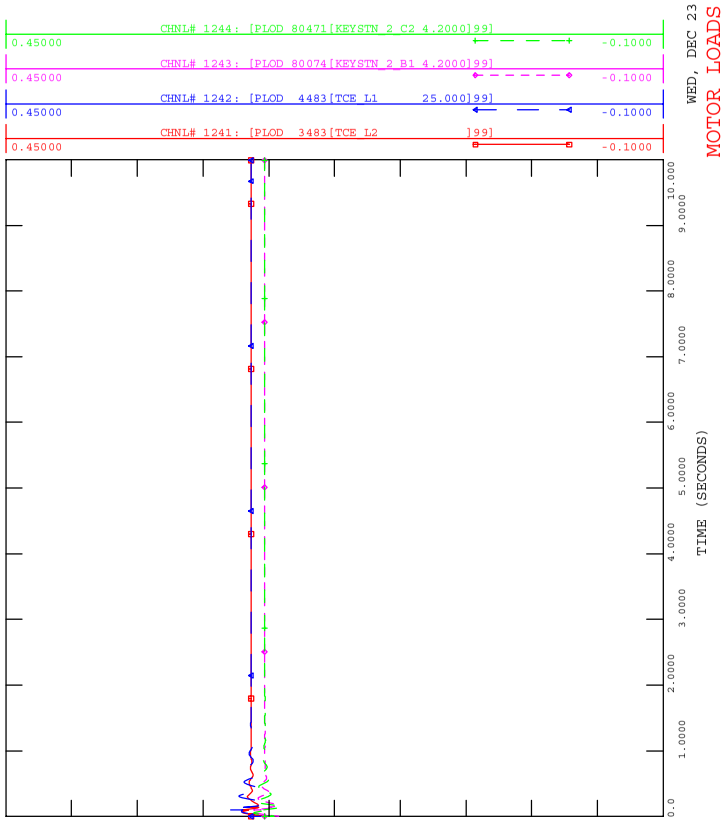


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

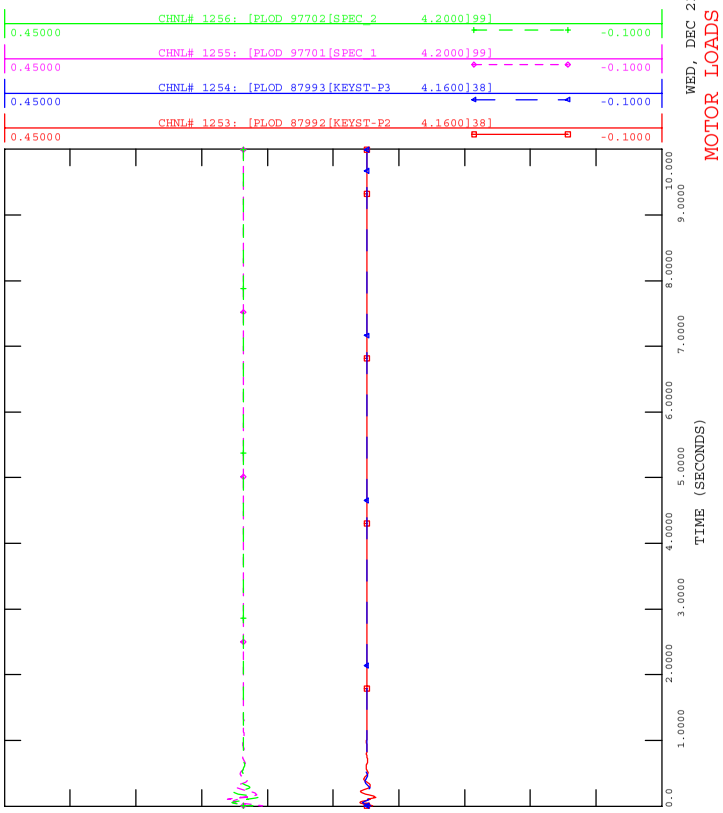
WED, DEC 23 2009 15:52

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out

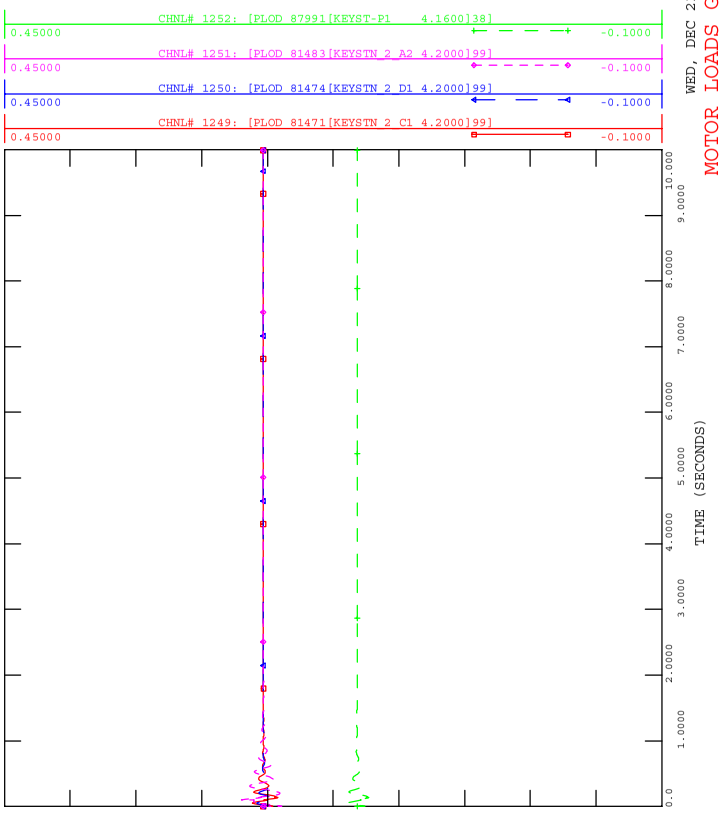


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-6fault.out



WED, DEC 23 2009 15:52

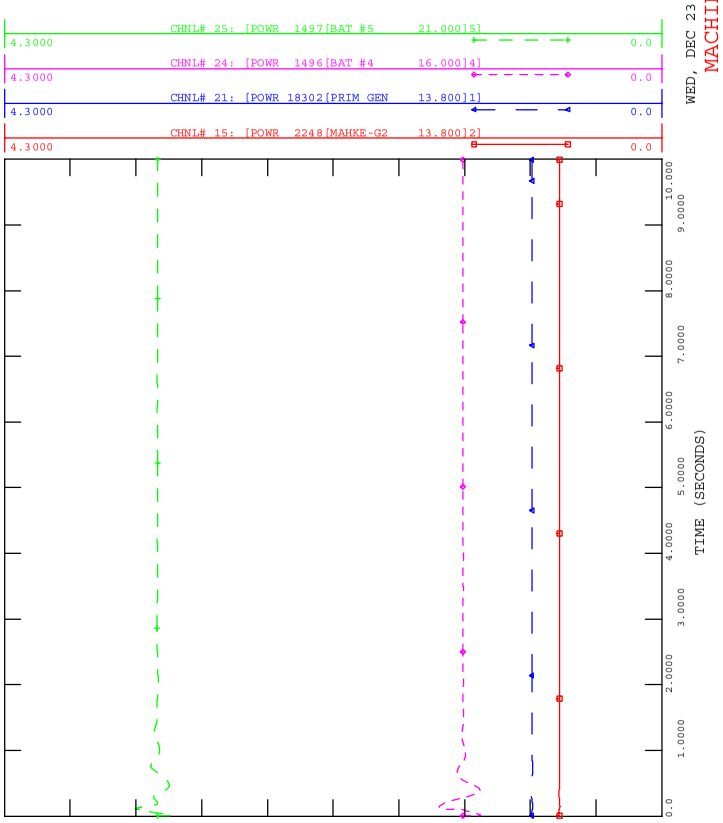
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

MACHINE POWER

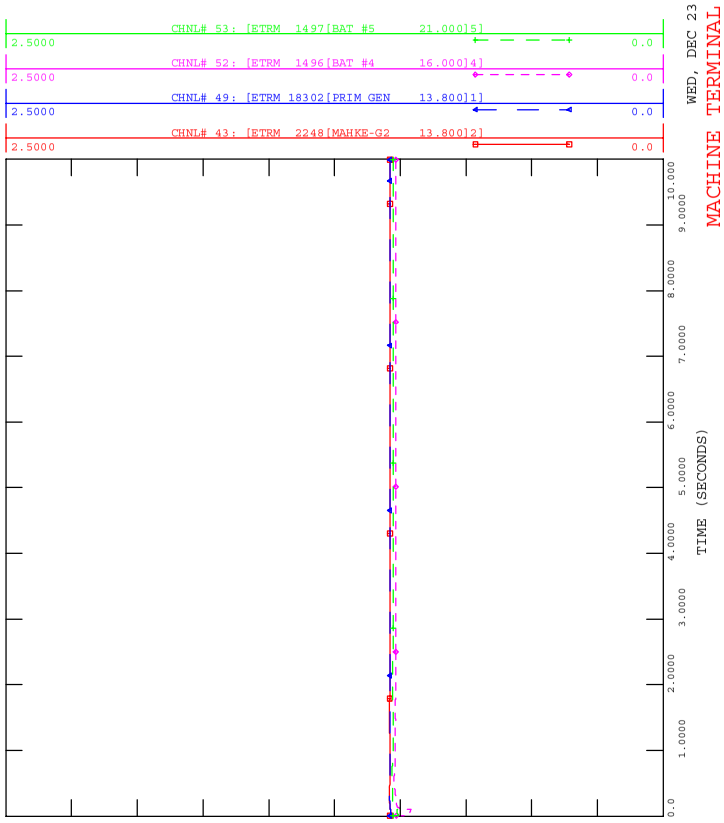


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

MACHINE TERMINAL VOLTAGE

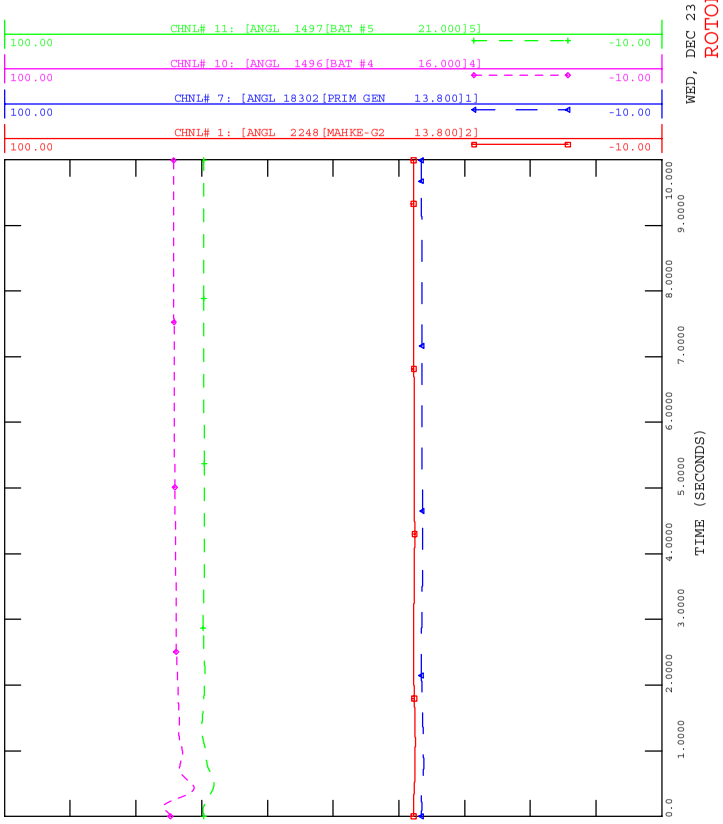


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

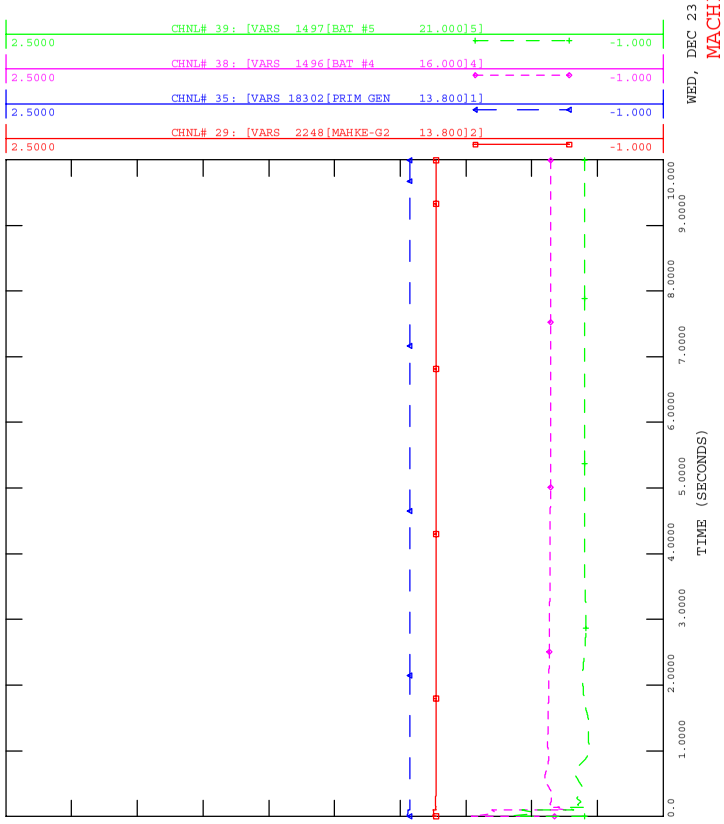


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

MACHINE VARS

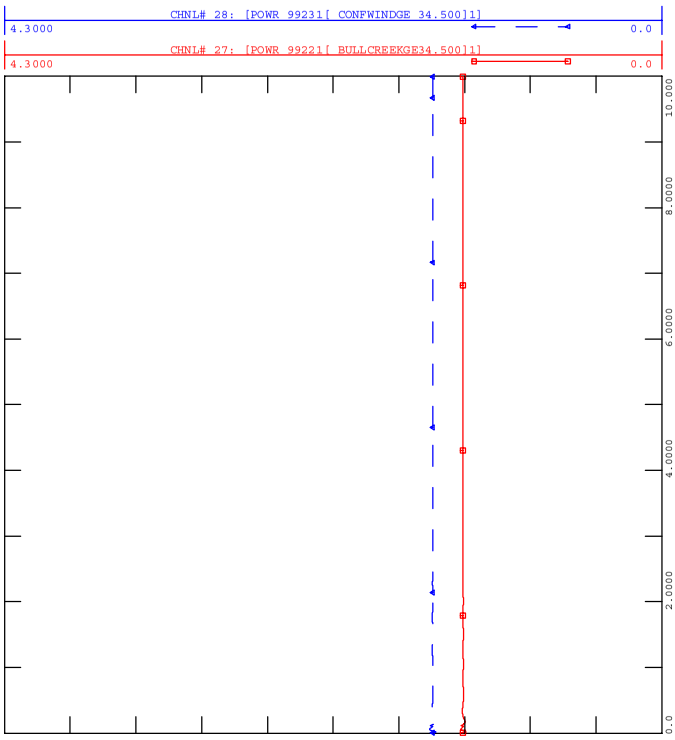


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

WIND MACHINE POWER

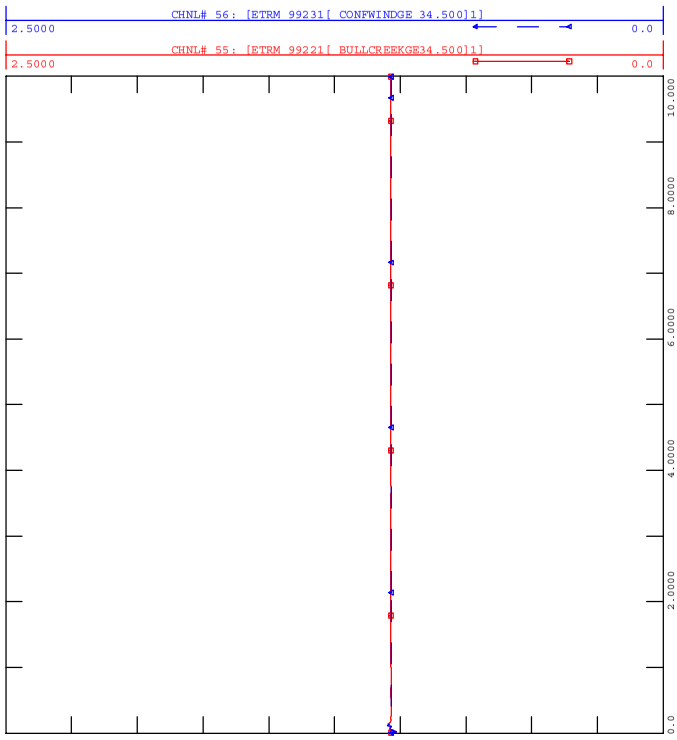


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

WIND MACH. TERMINAL VOLTS

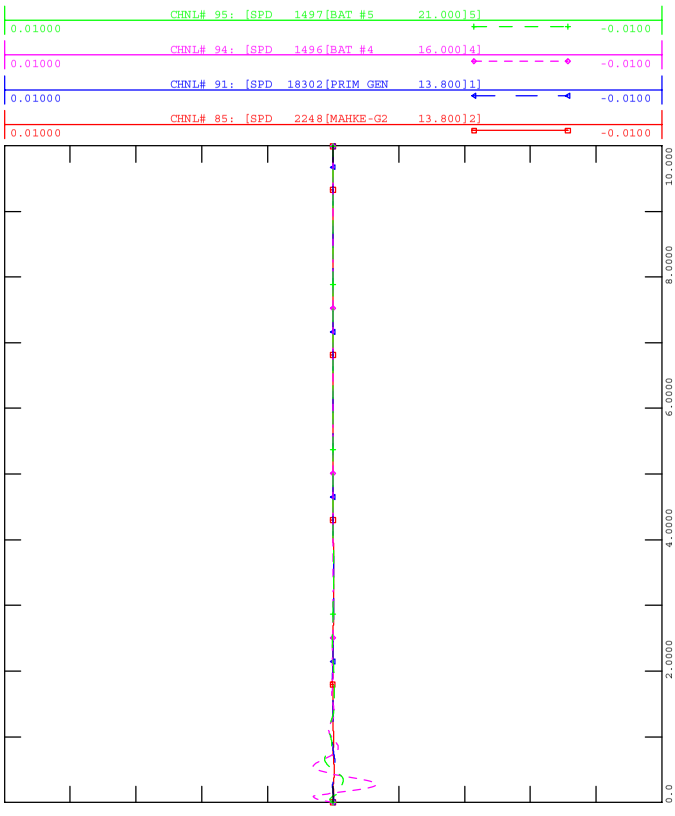


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

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MACHINE SPEED

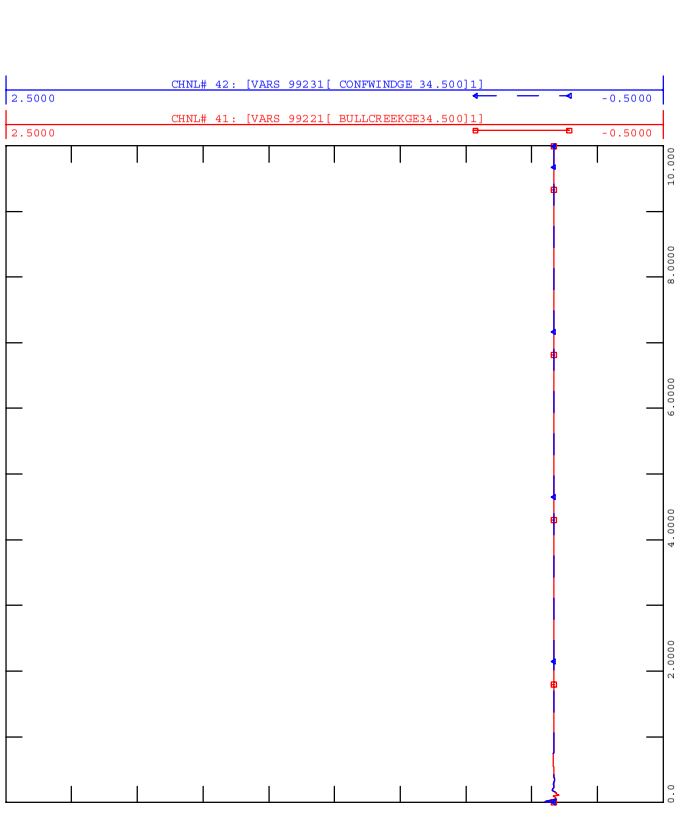


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

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WIND MACHINE VARS

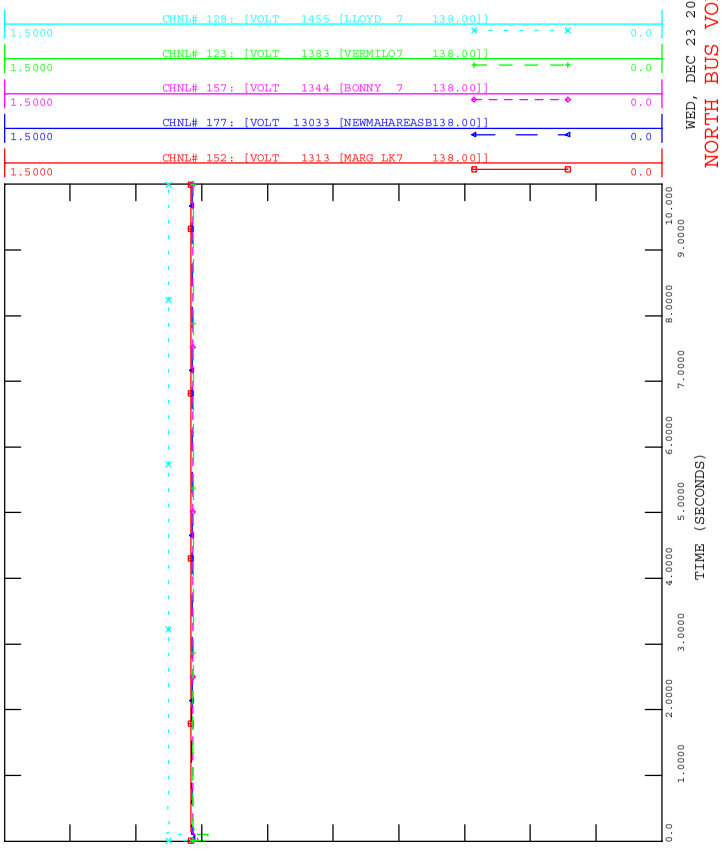


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

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NORTH BUS VOLTAGES

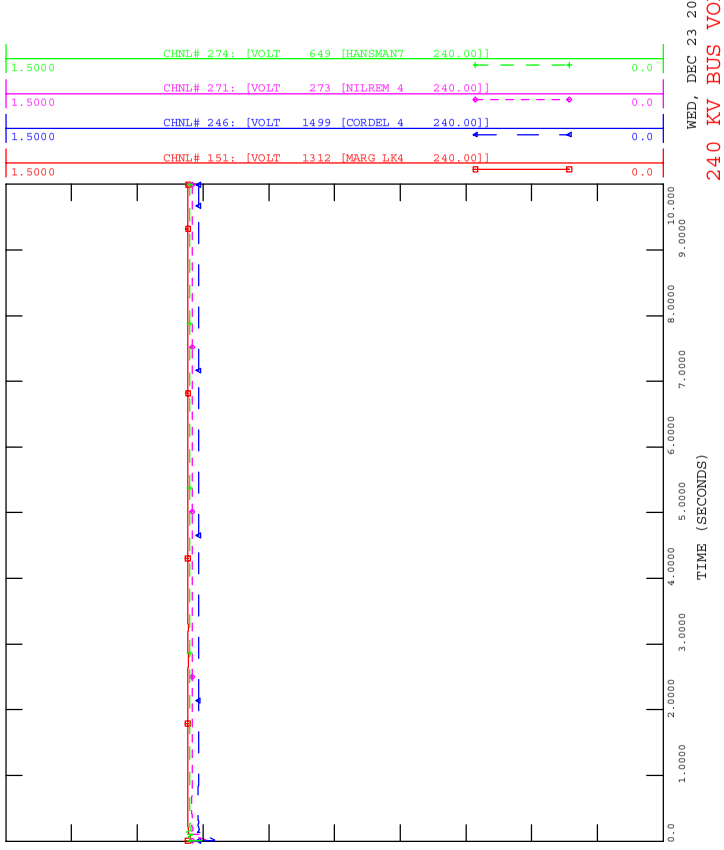


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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240 KV BUS VOLTAGES

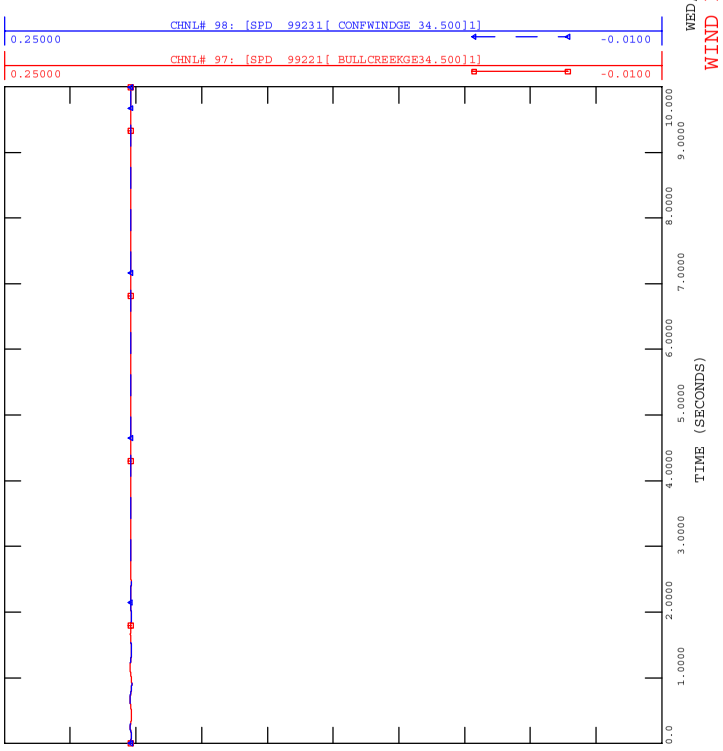


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE SPEED

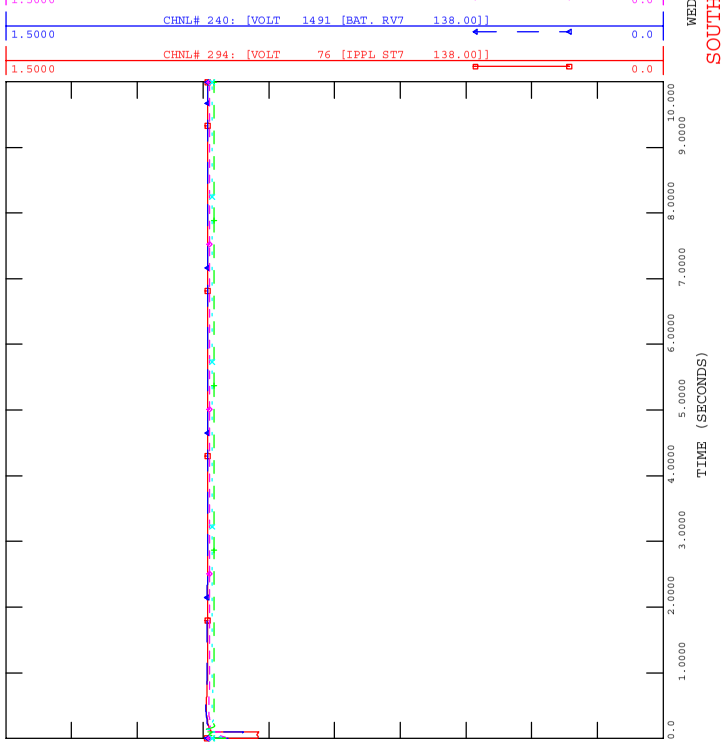


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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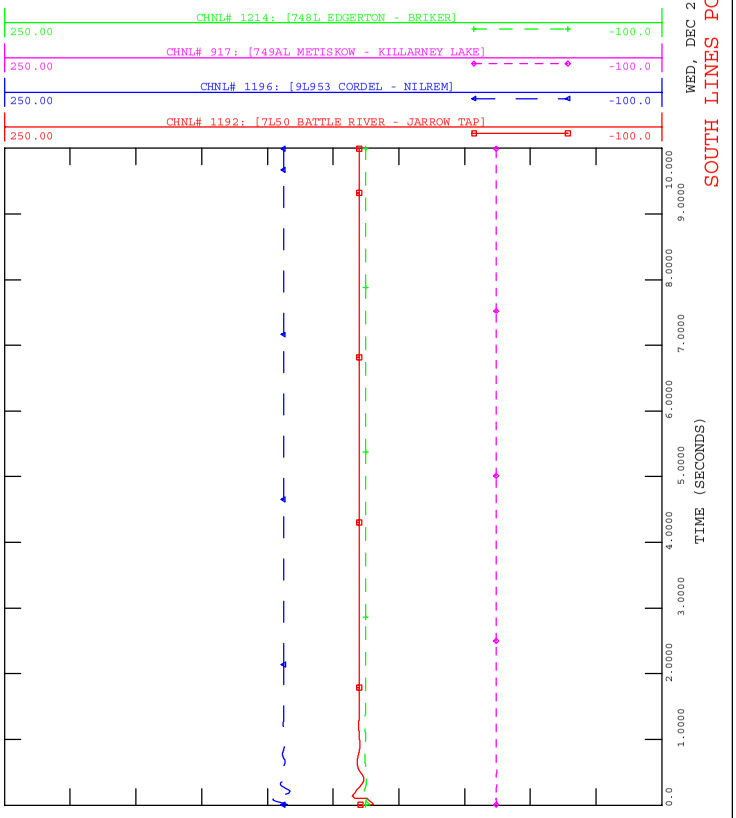
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SOUTH BUS VOLTAGES



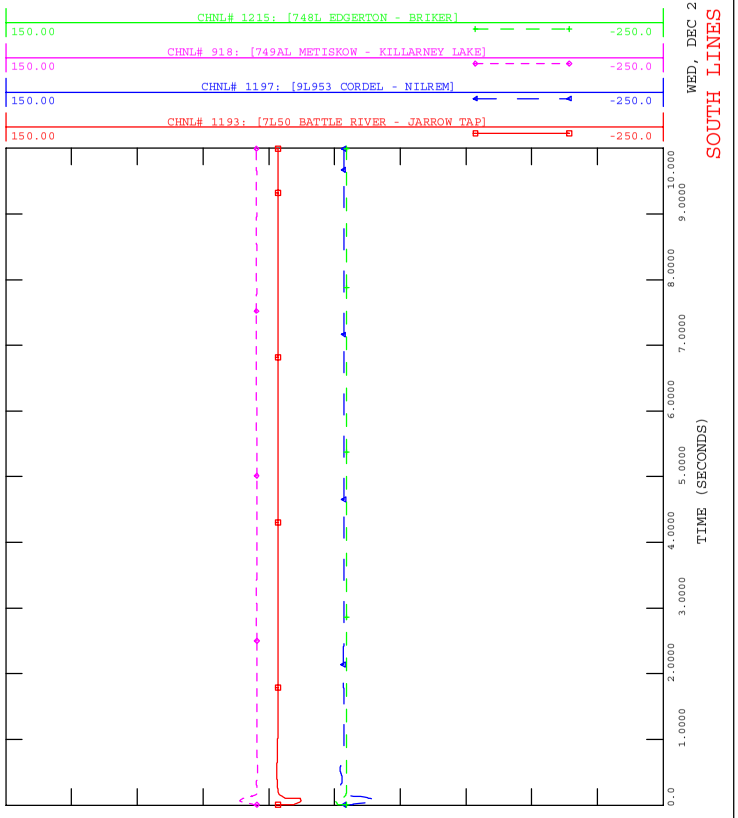
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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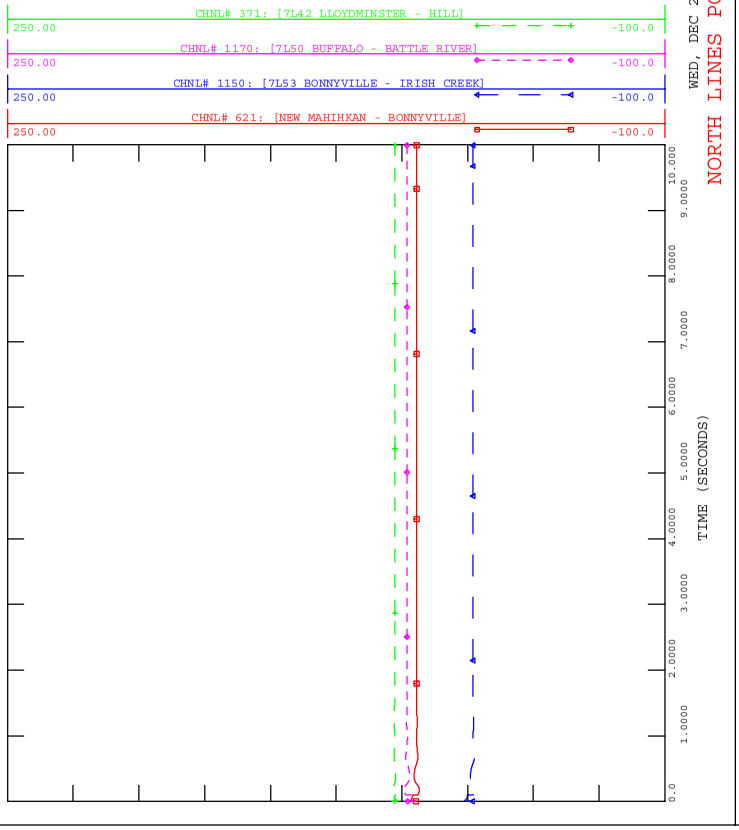
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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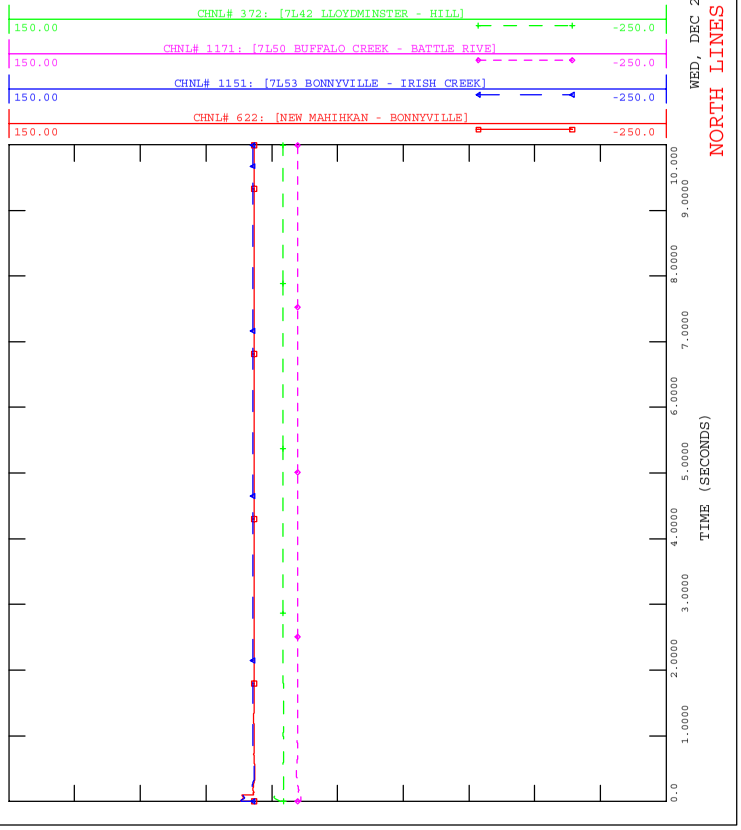
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

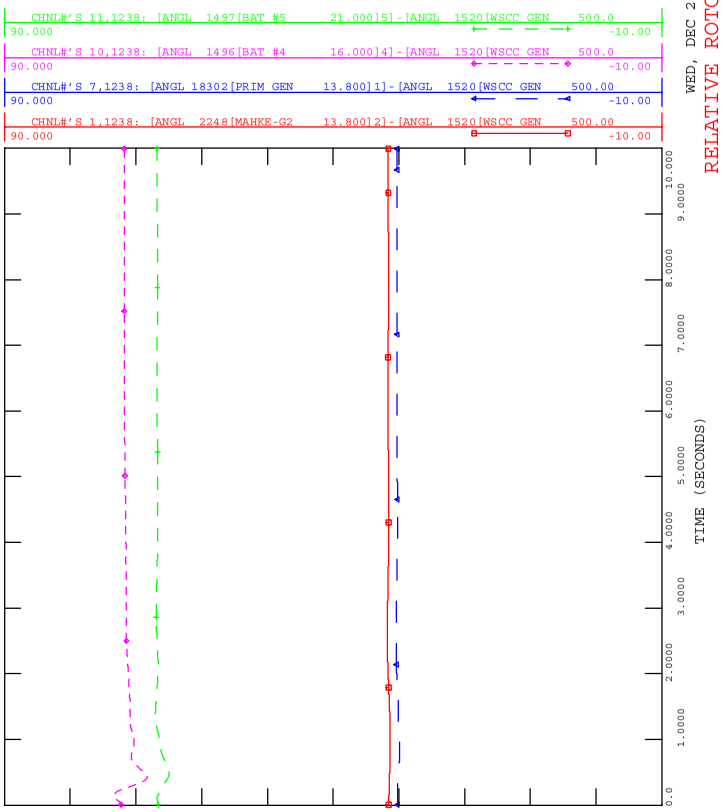


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

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RELATIVE ROTOR ANGLES

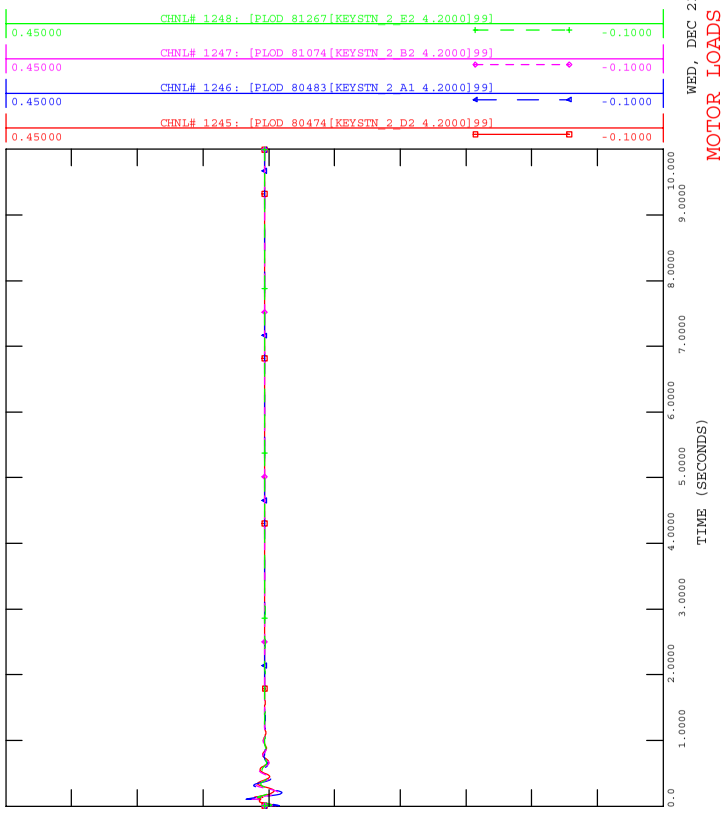


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

MOTOR LOADS GROUP II

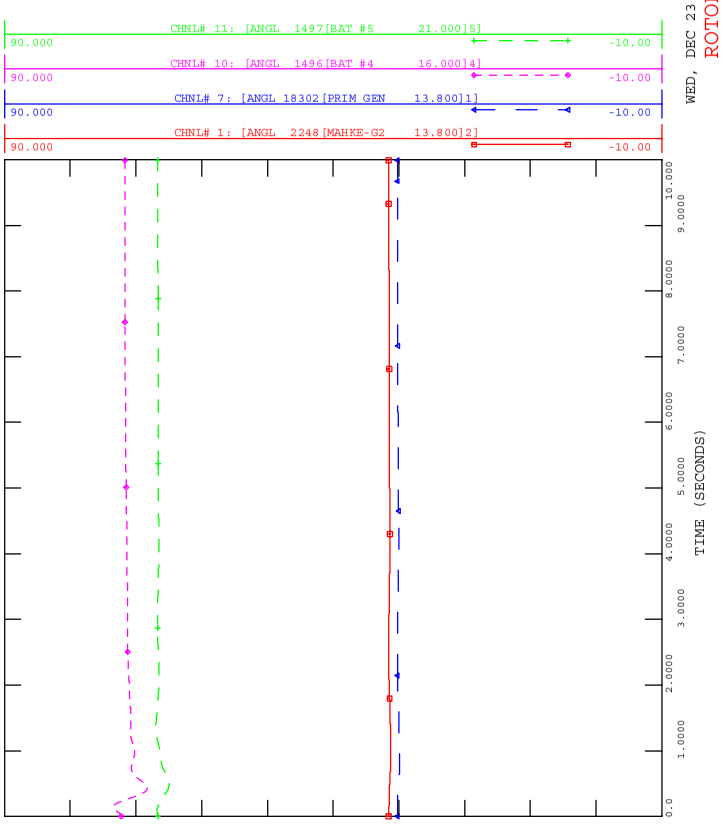


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

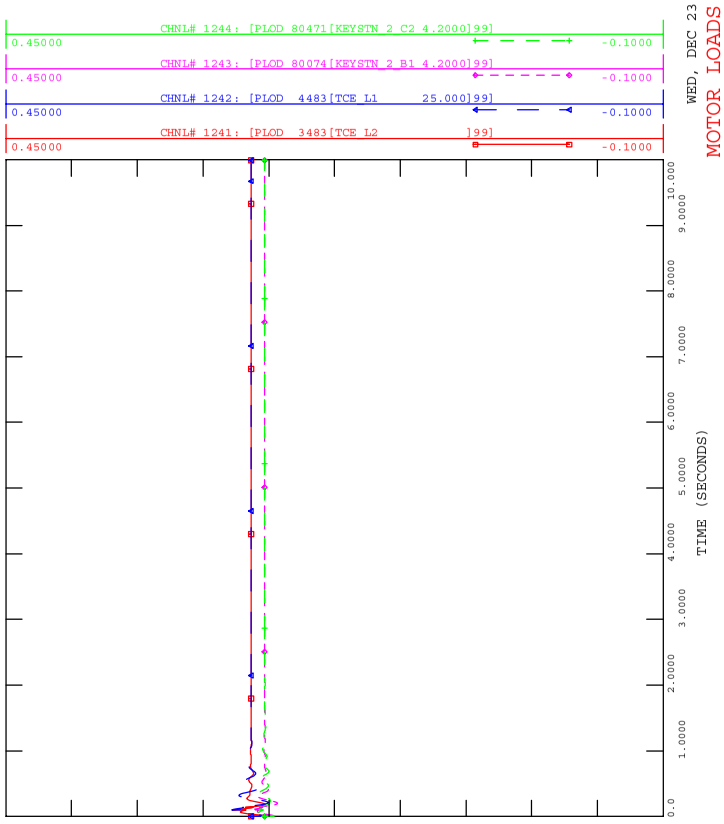


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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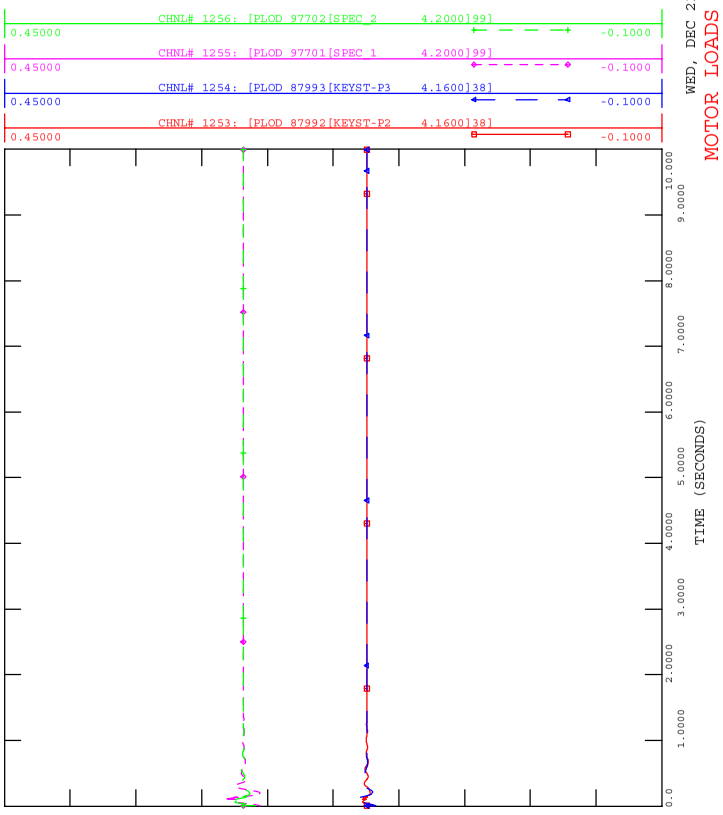
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out

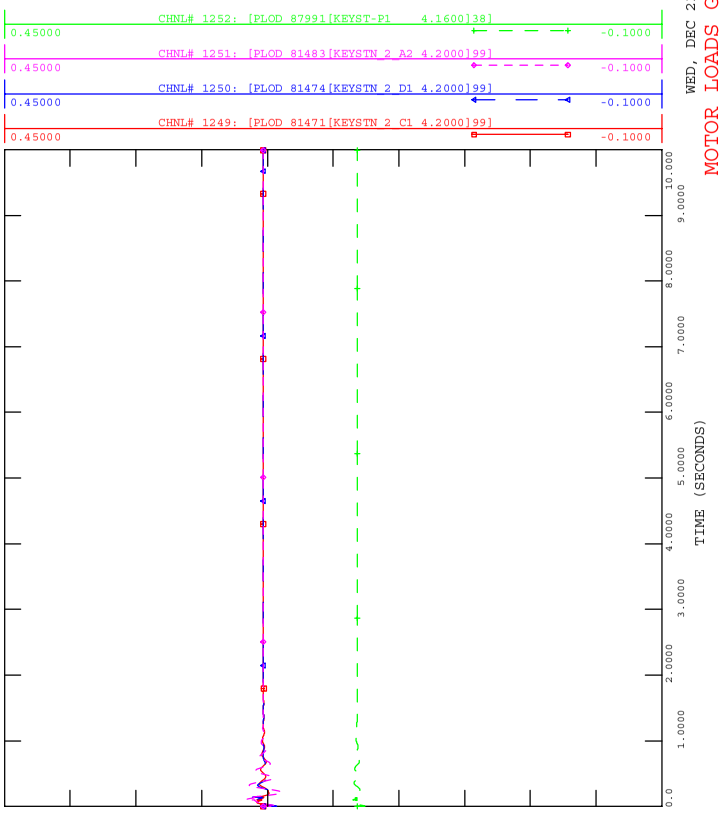


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-7fault.out



WED, DEC 23 2009 15:52

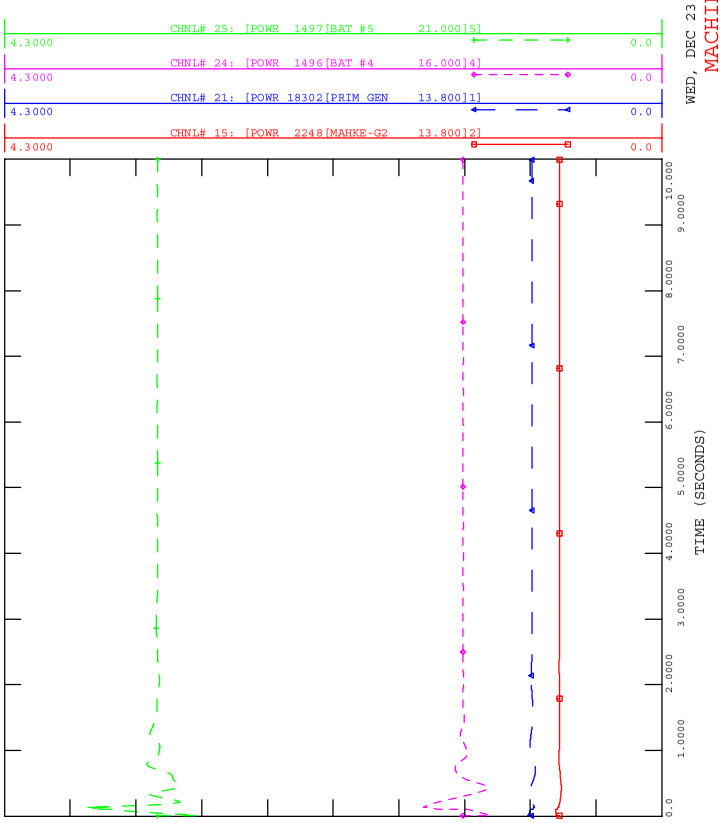
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

MACHINE POWER

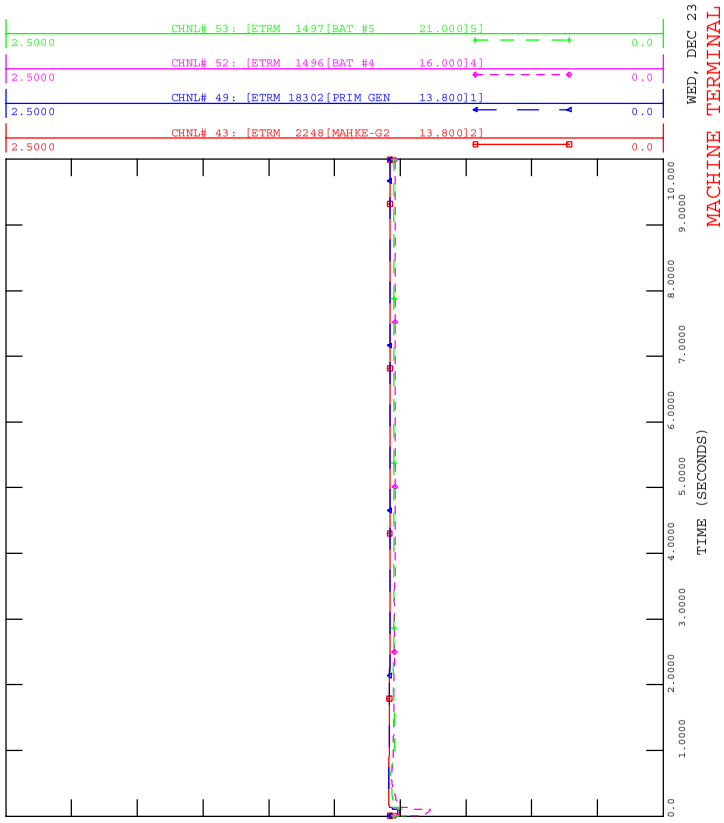


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

MACHINE TERMINAL VOLTAGE

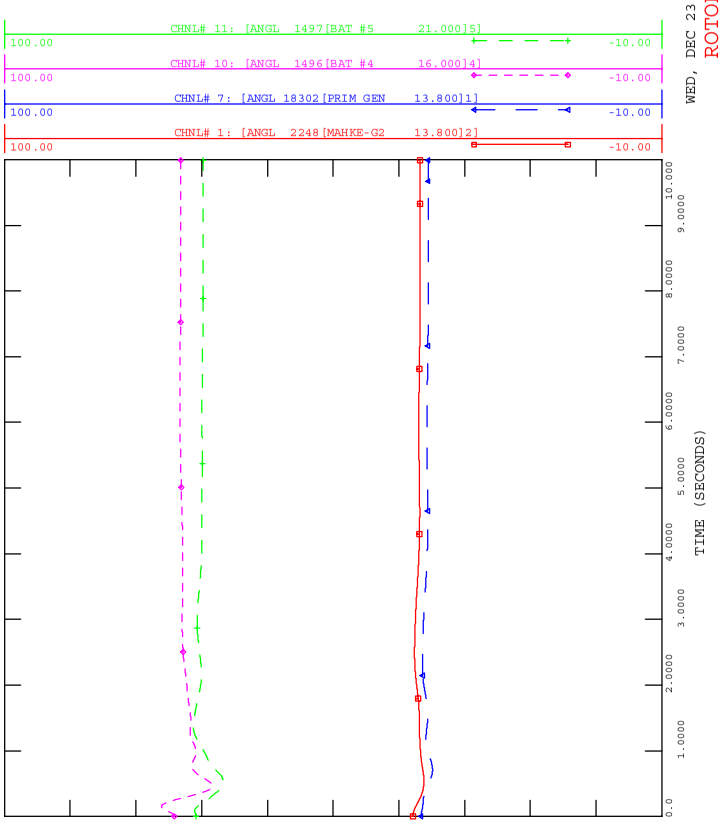


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

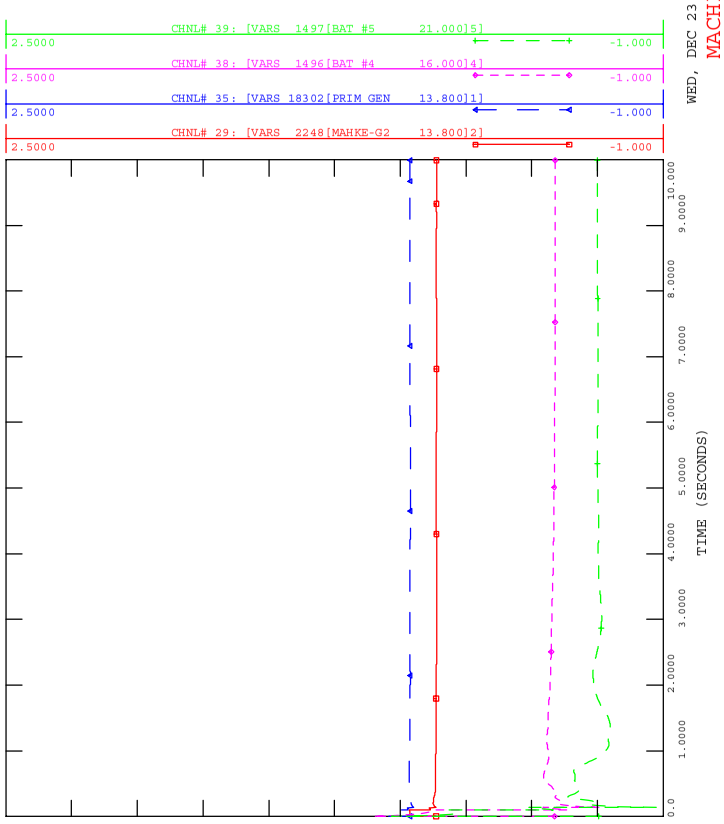


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

MACHINE VARS

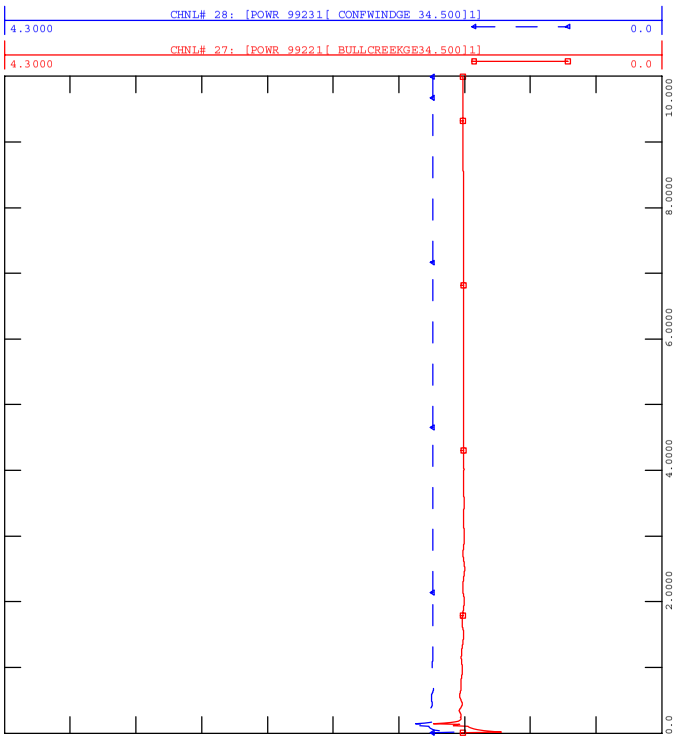


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

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WIND MACHINE POWER

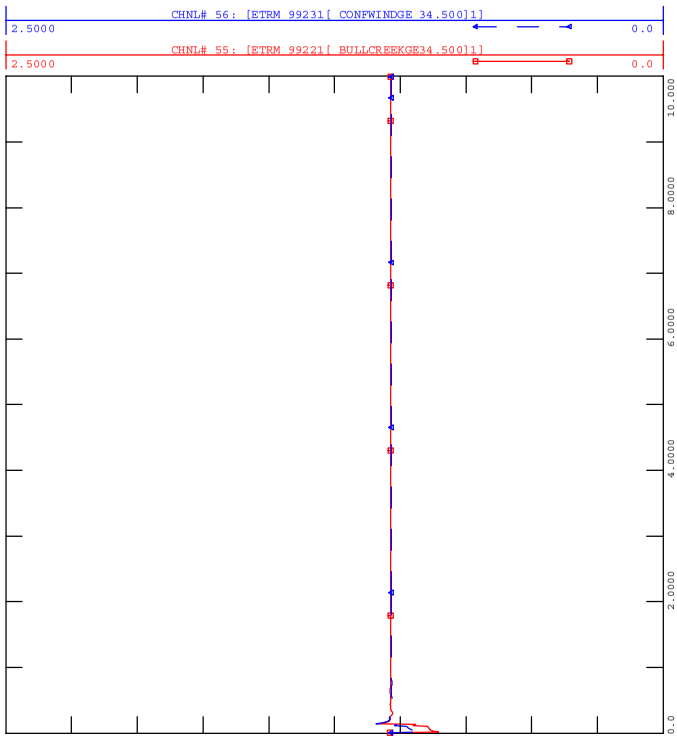


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACH. TERMINAL VOLTS

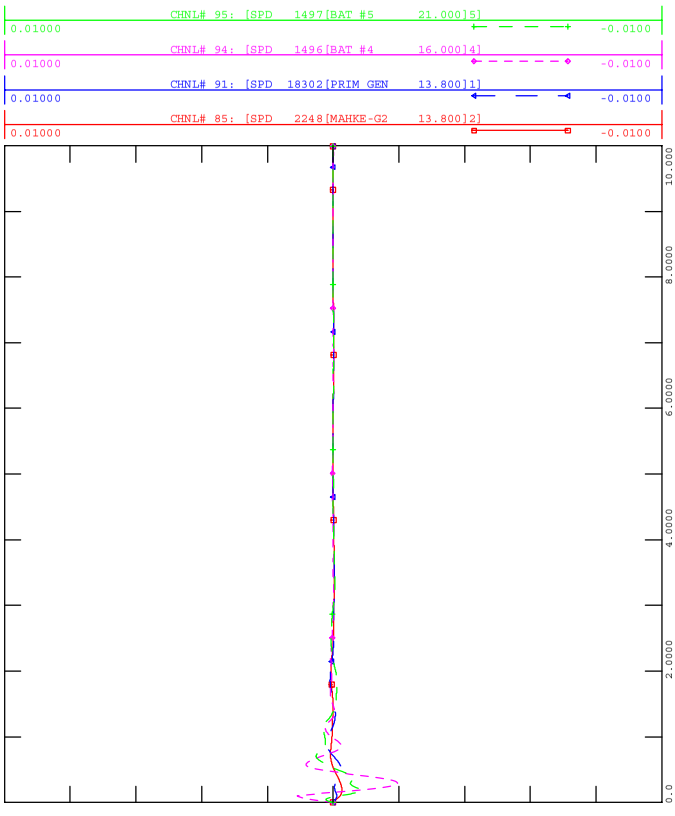


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

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MACHINE SPEED

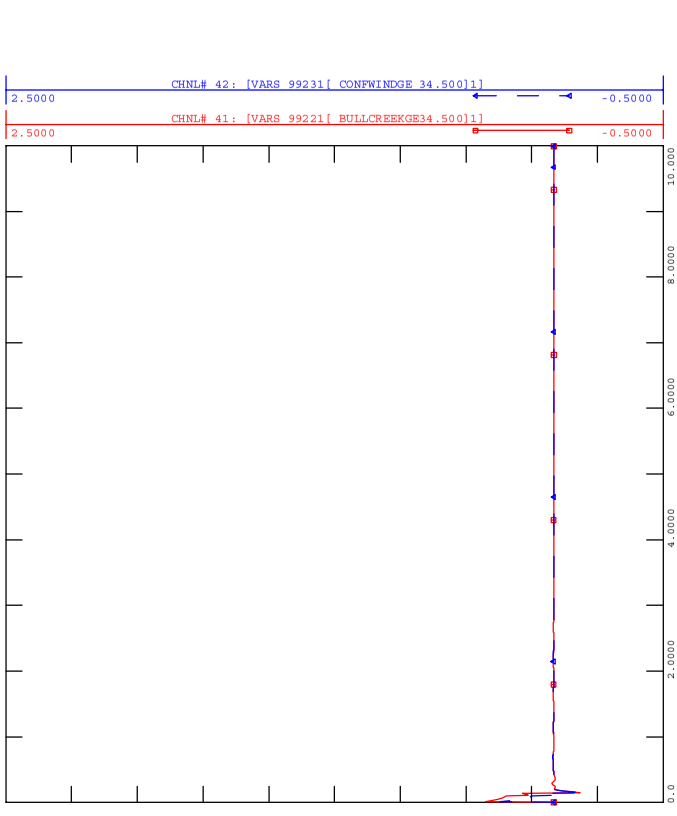


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

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WIND MACHINE VARS

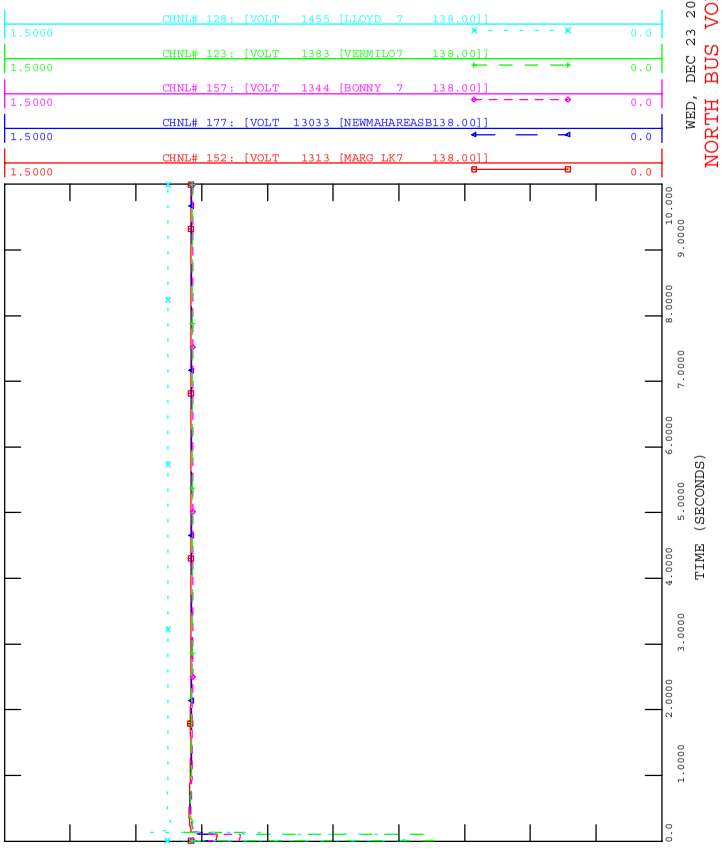


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

NORTH BUS VOLTAGES

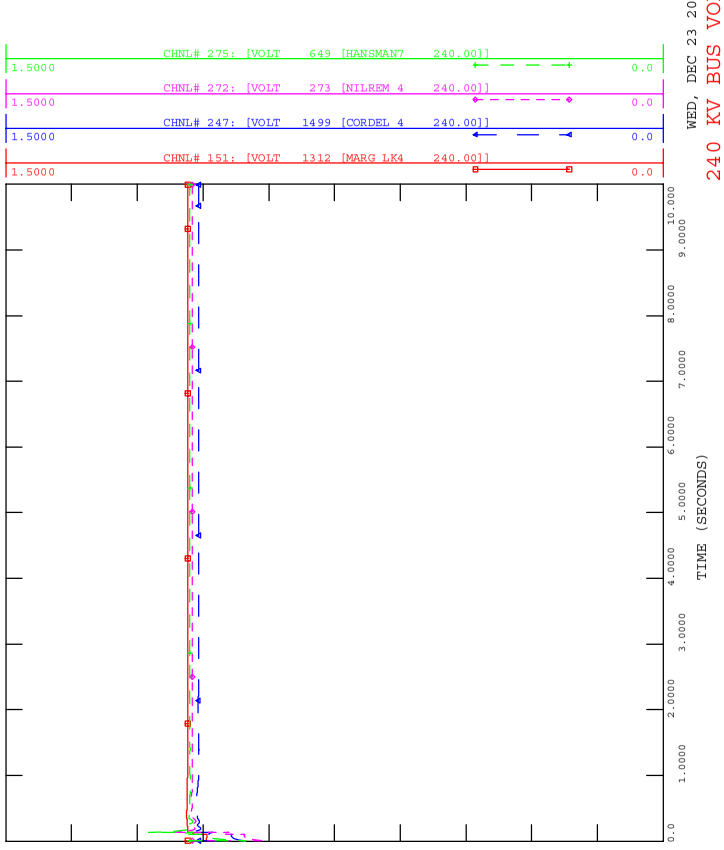


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

240 KV BUS VOLTAGES

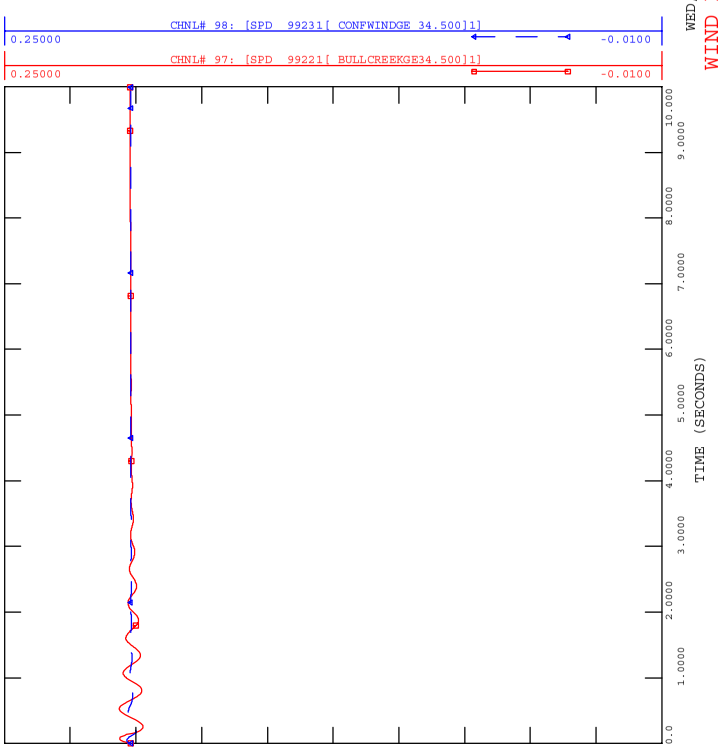


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

WIND MACHINE SPEED

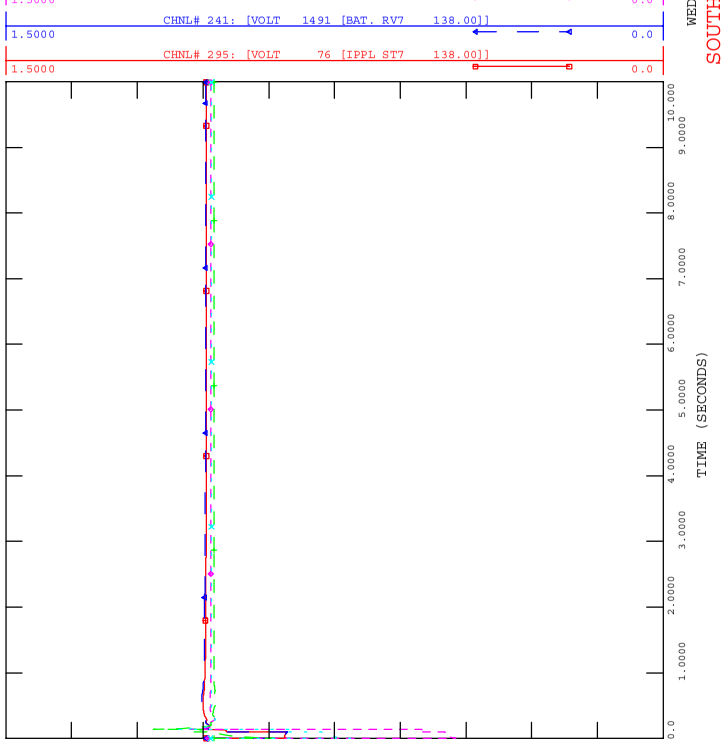


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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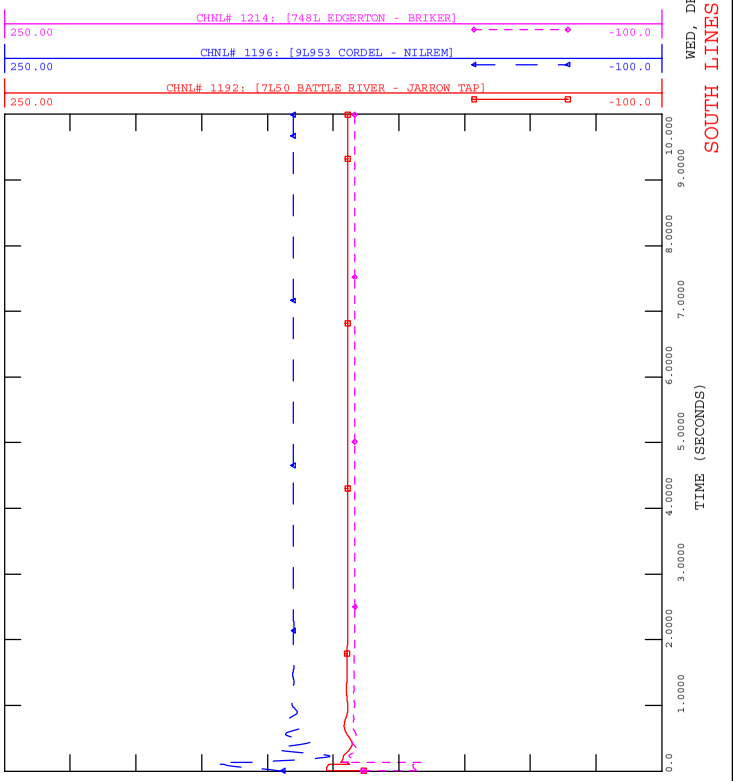
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SOUTH BUS VOLTAGES



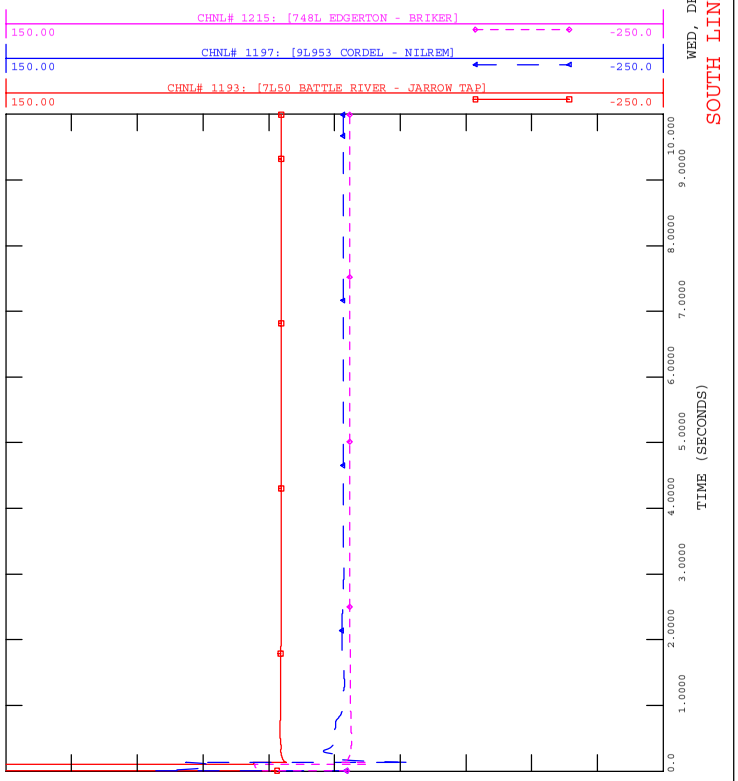
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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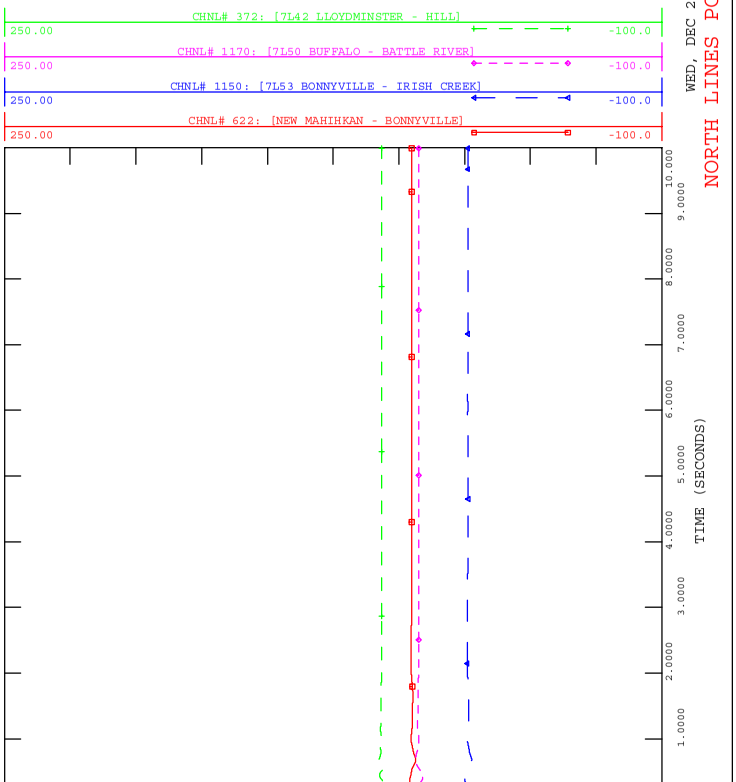
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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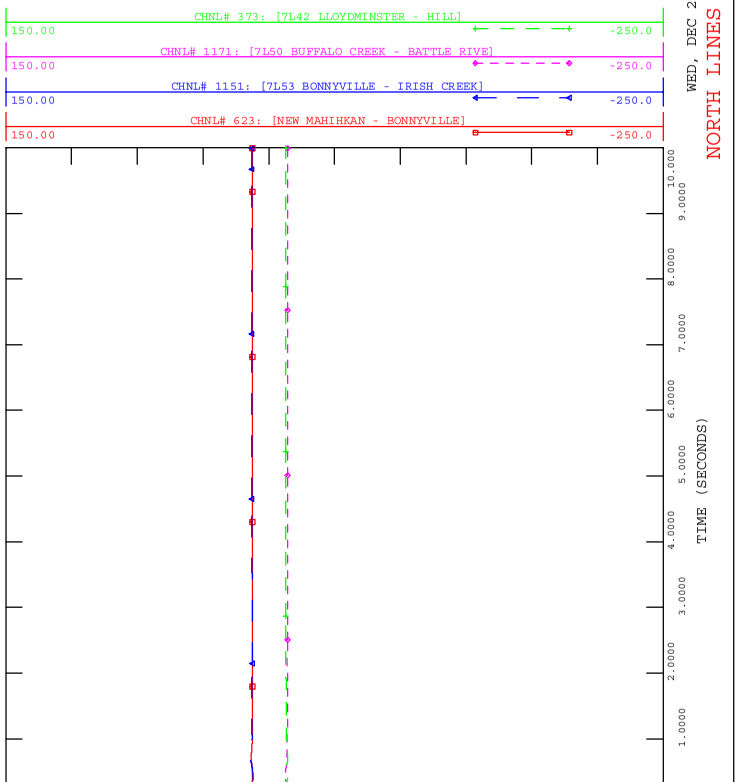
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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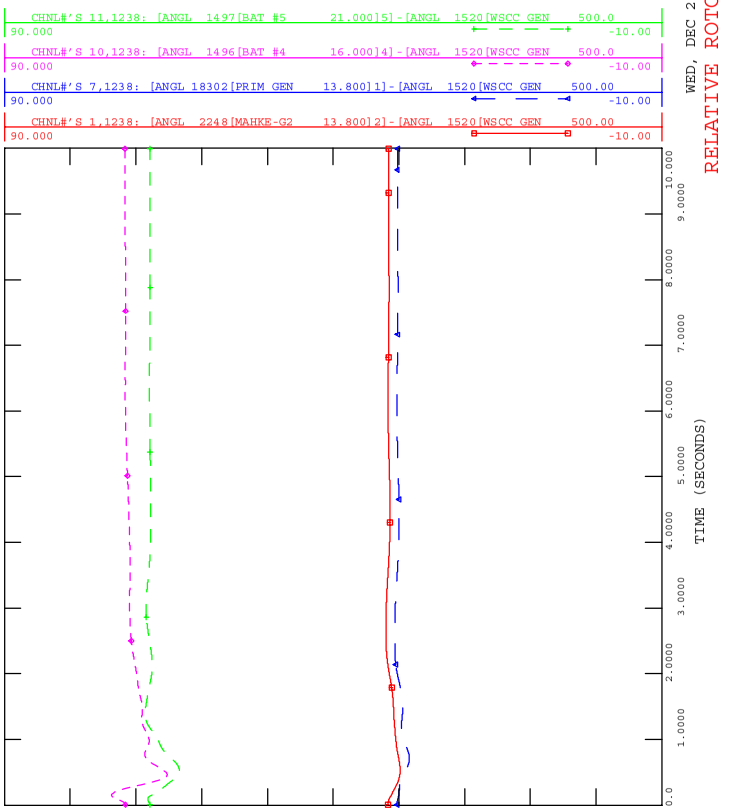


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

RELATIVE ROTOR ANGLES

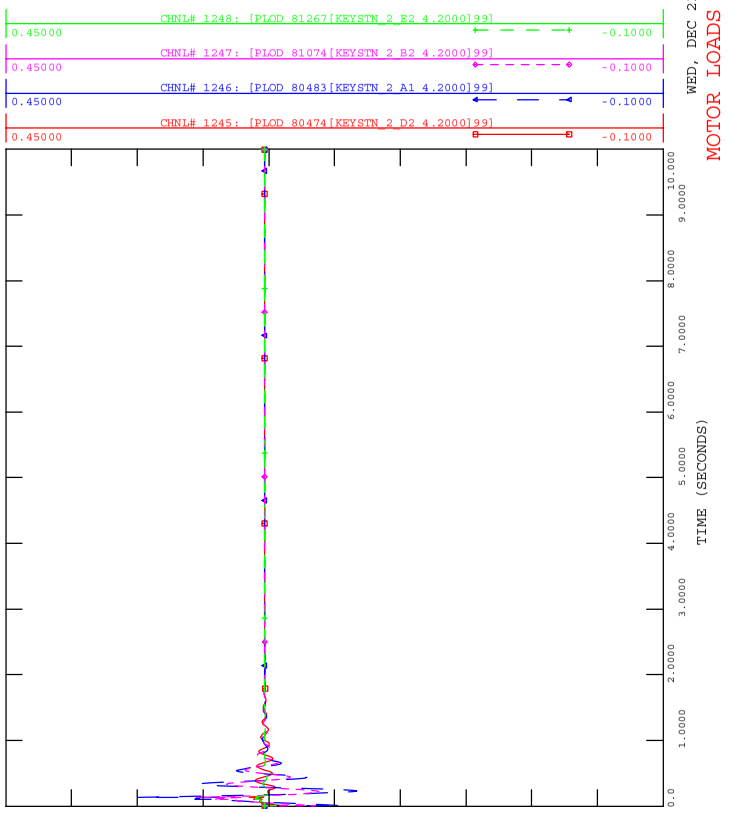


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

MOTOR LOADS GROUP II

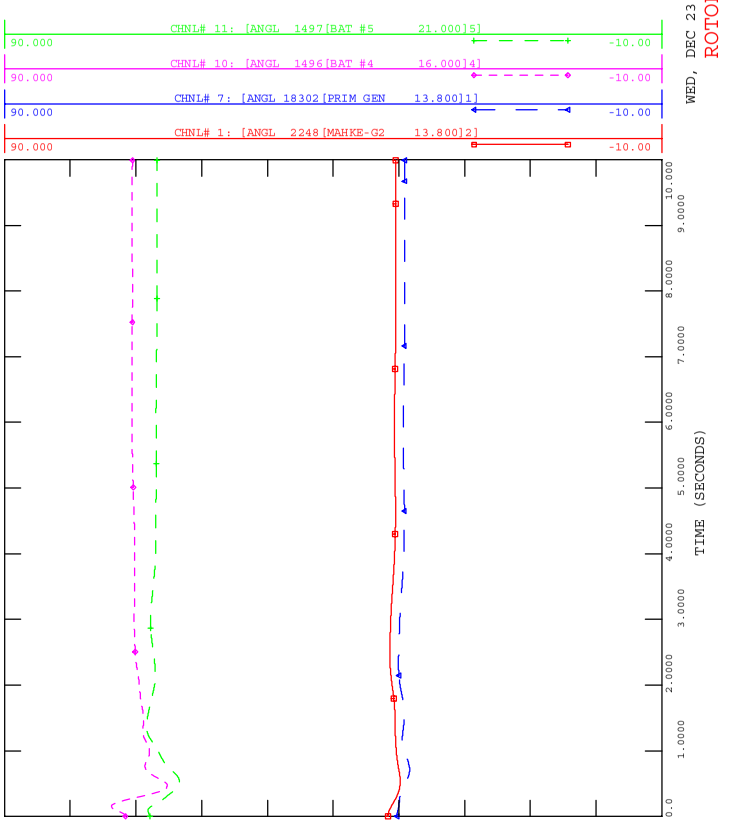


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

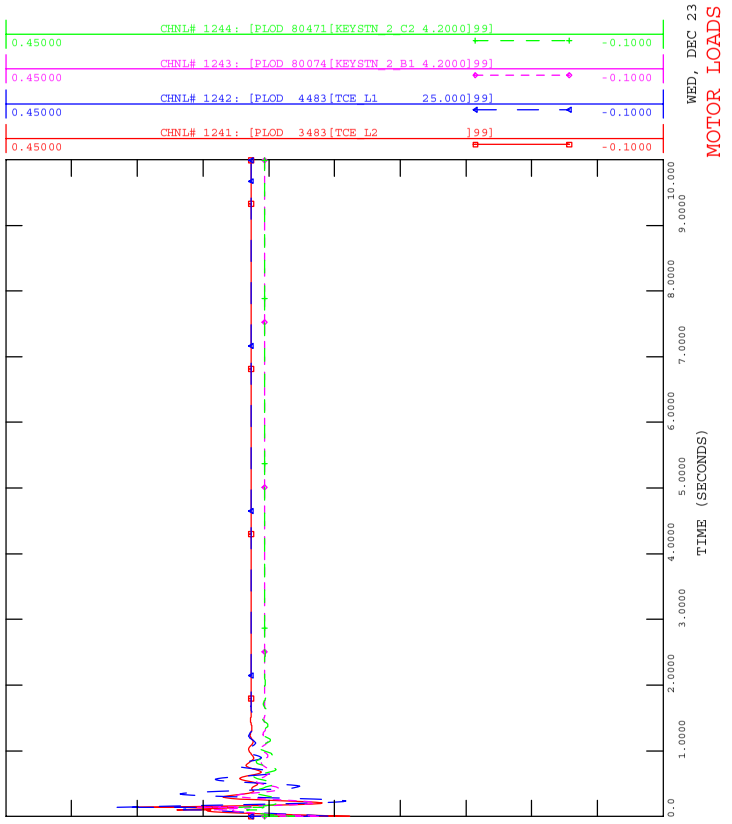


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

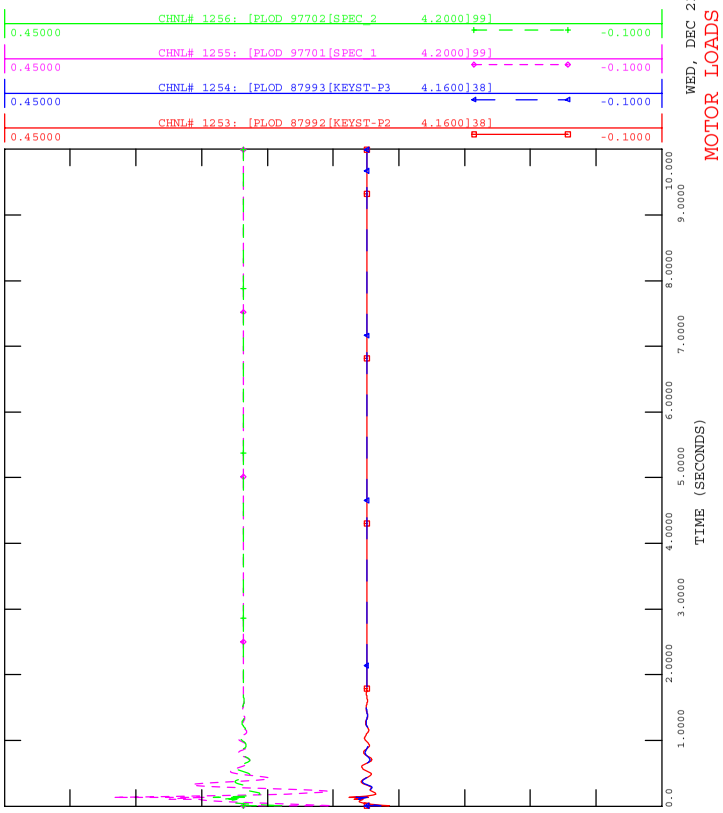
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out

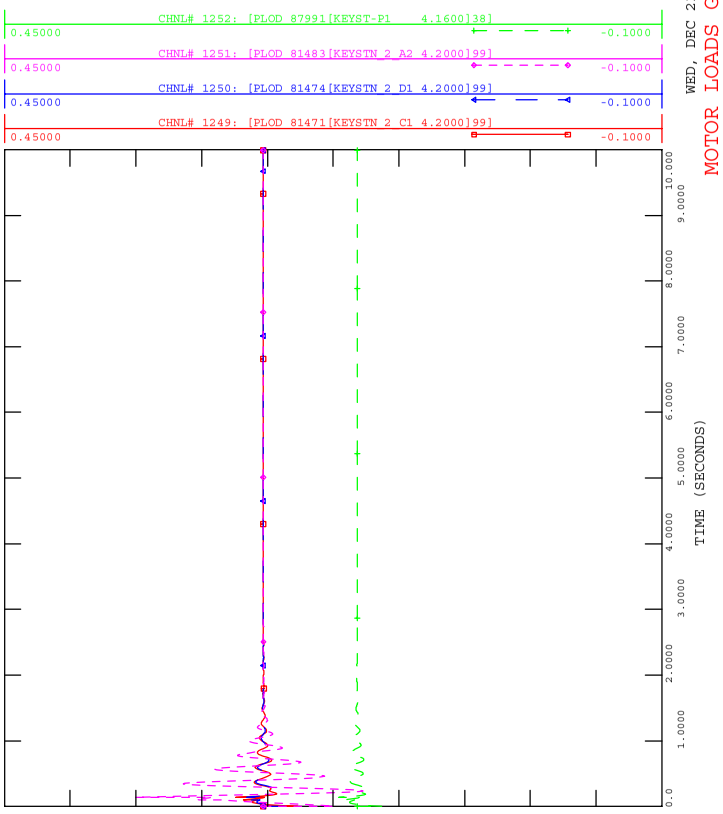


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-8fault.out



WED, DEC 23 2009 15:52

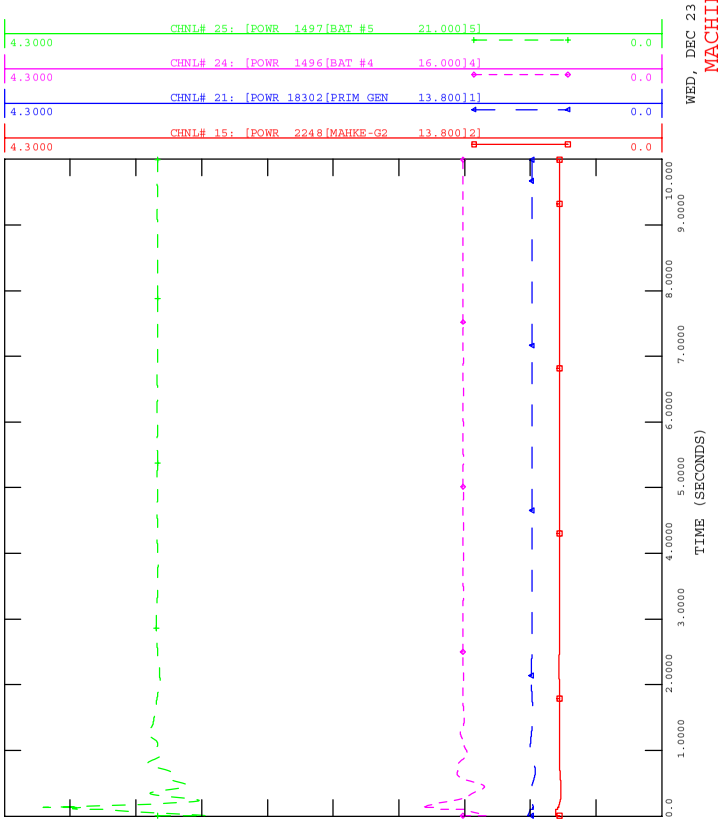
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

MACHINE POWER

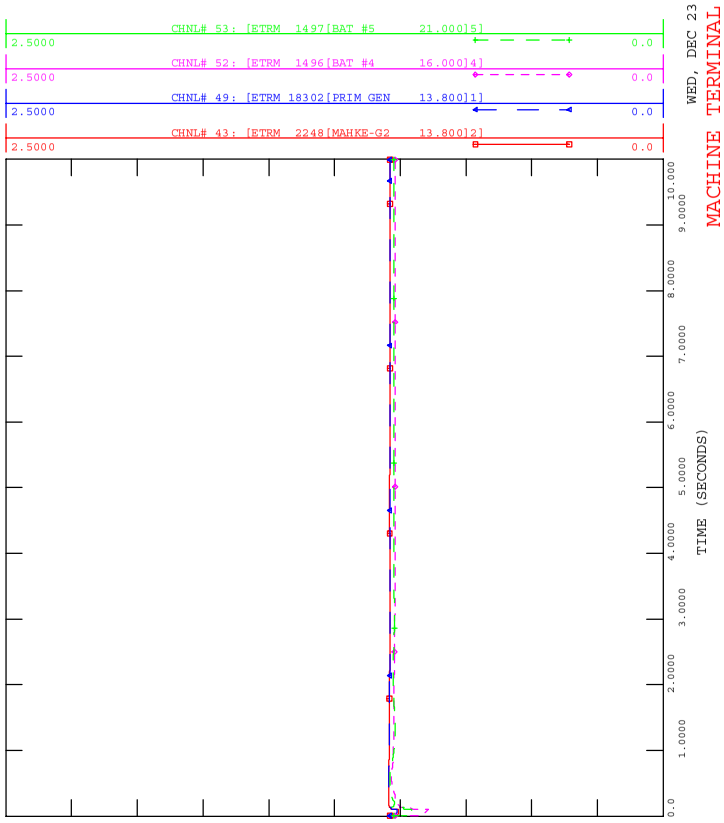


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

MACHINE TERMINAL VOLTAGE

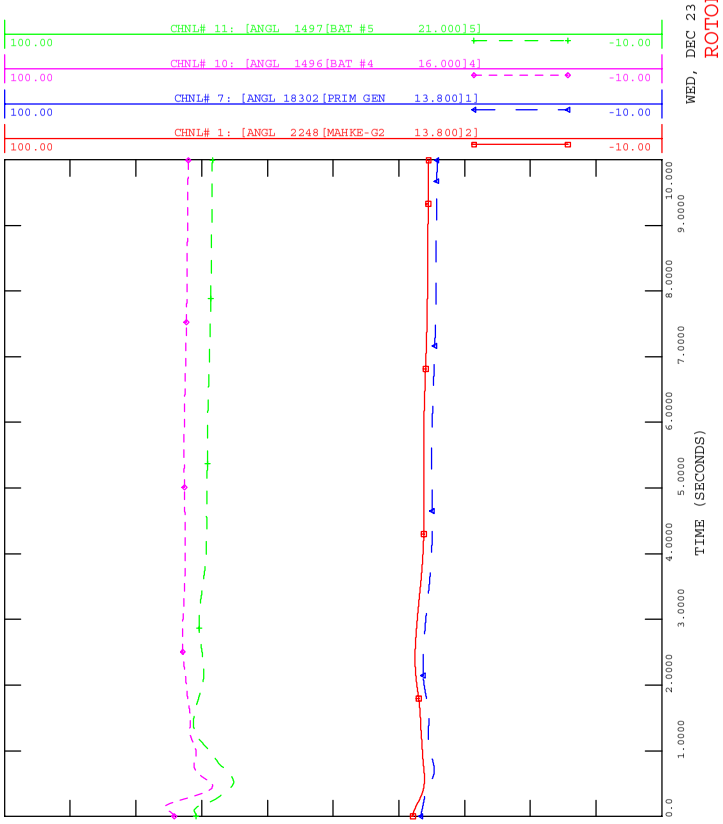


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

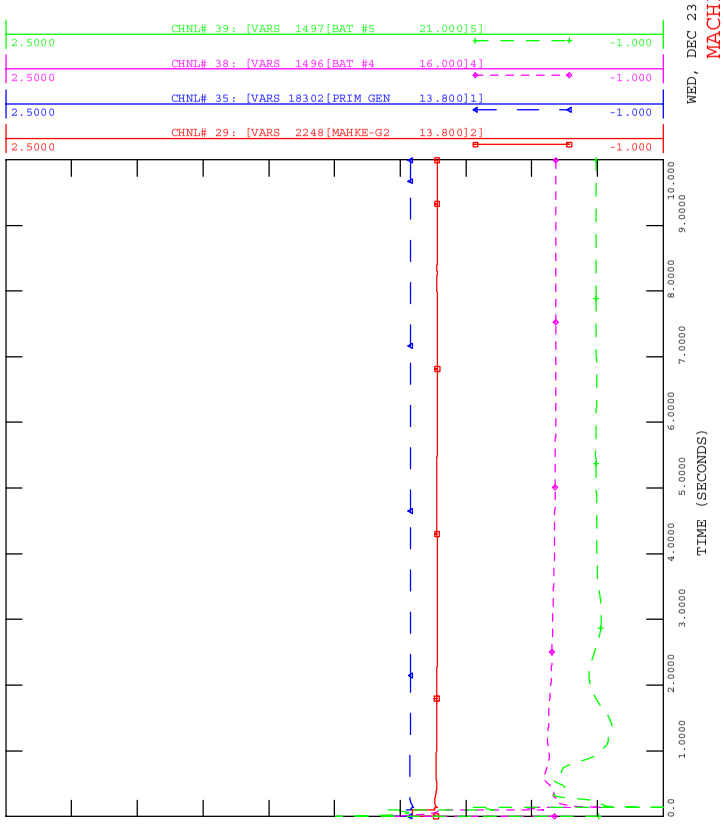


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

MACHINE VARS

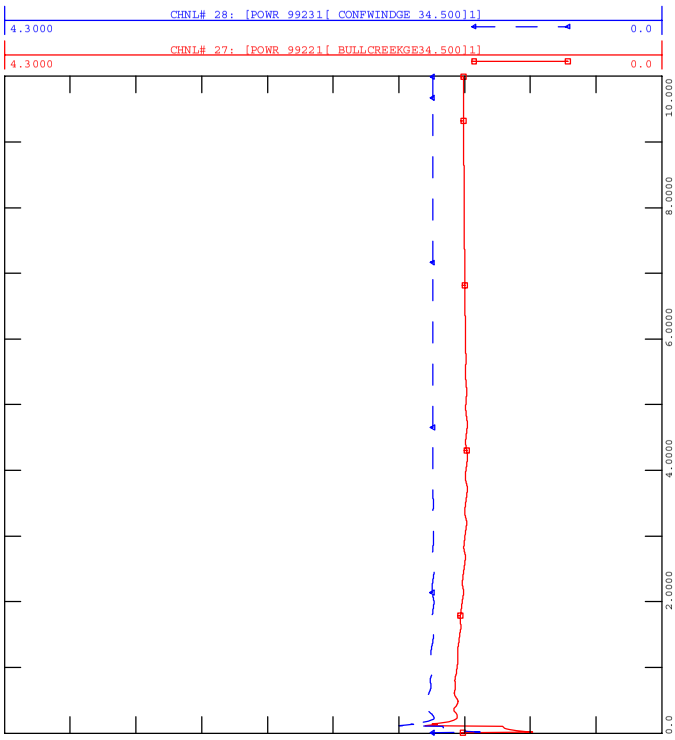


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

WIND MACHINE POWER

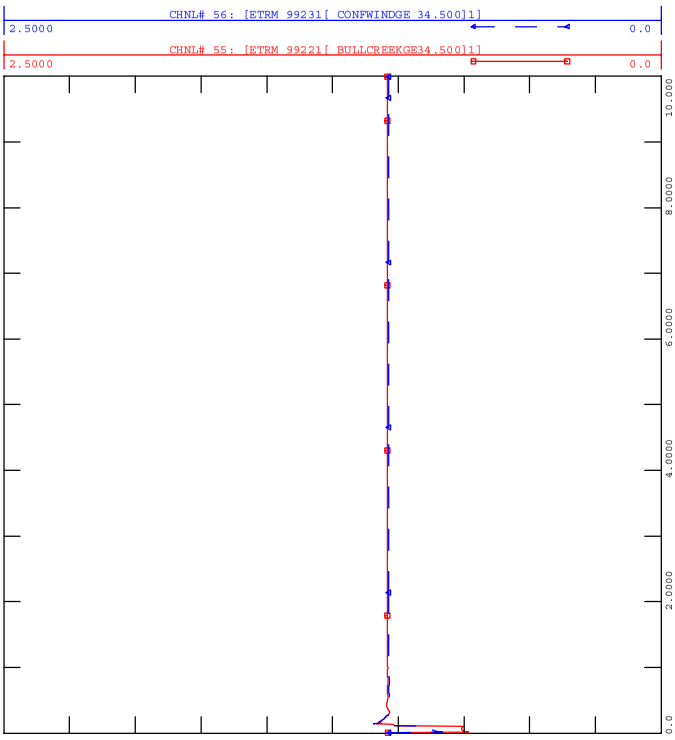


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

WIND MACH. TERMINAL VOLTS

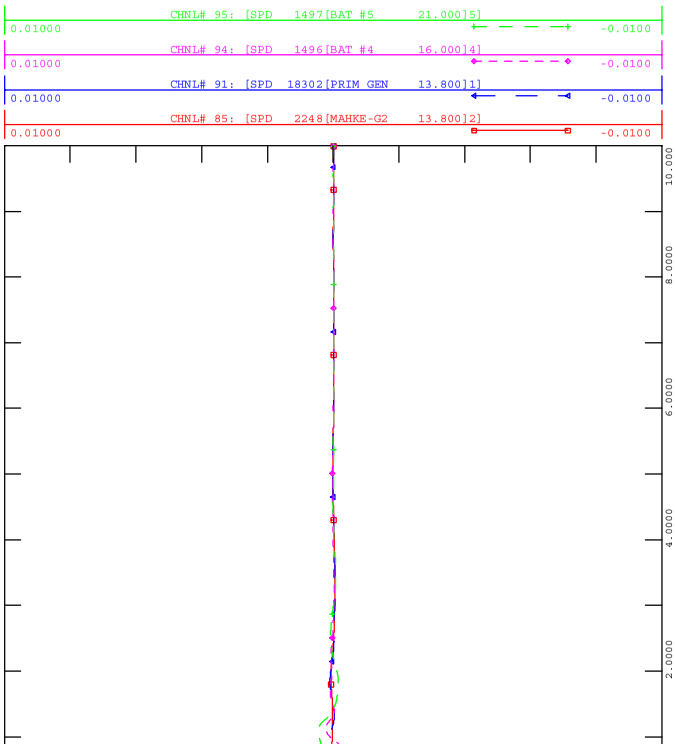


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

MACHINE SPEED

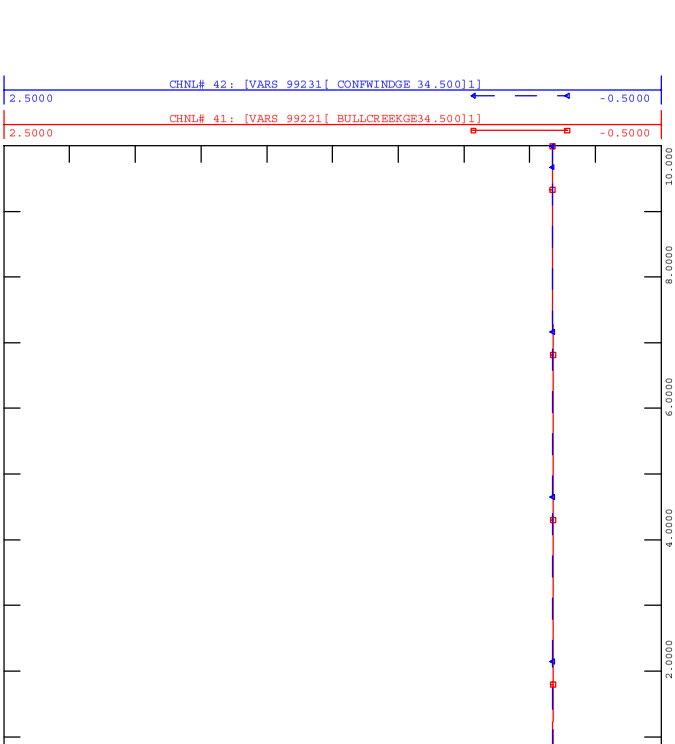


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

WIND MACHINE VARS

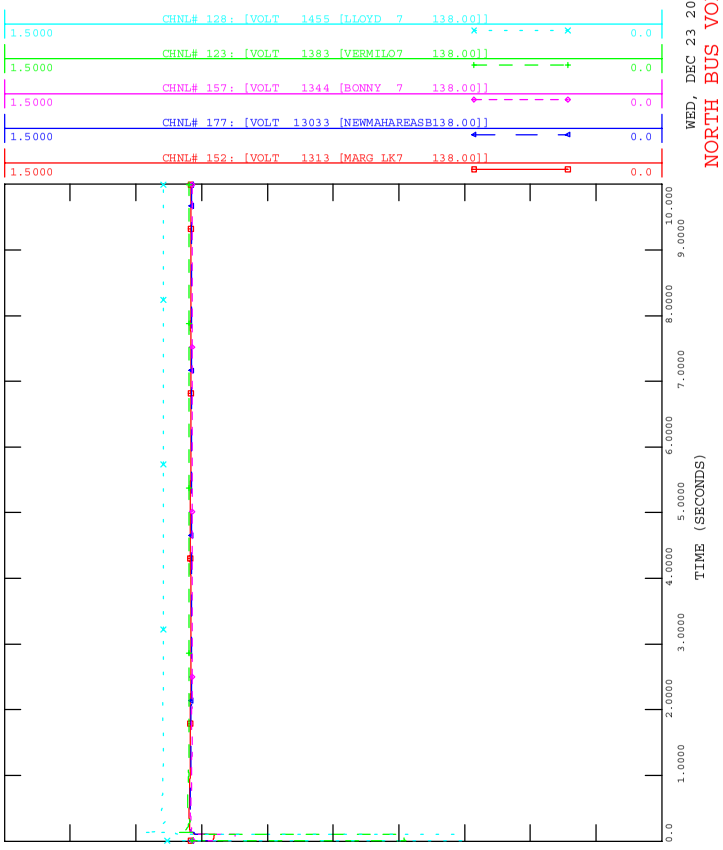


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

NORTH BUS VOLTAGES

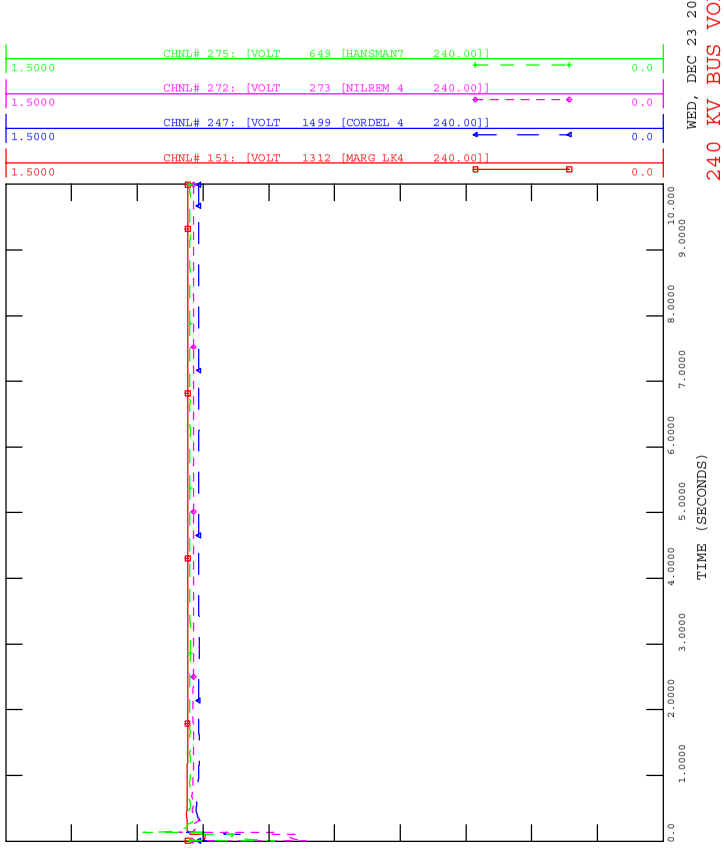


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

240 KV BUS VOLTAGES

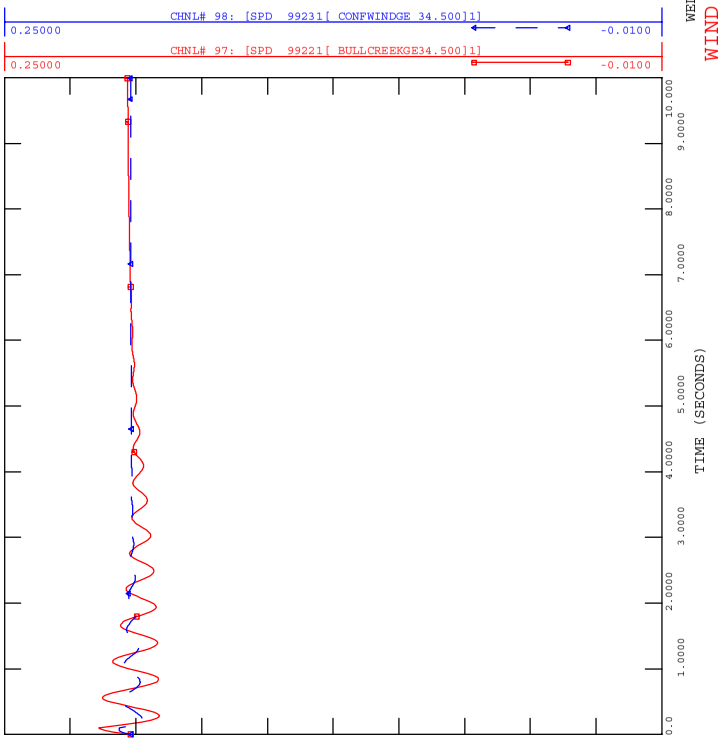


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

WIND MACHINE SPEED

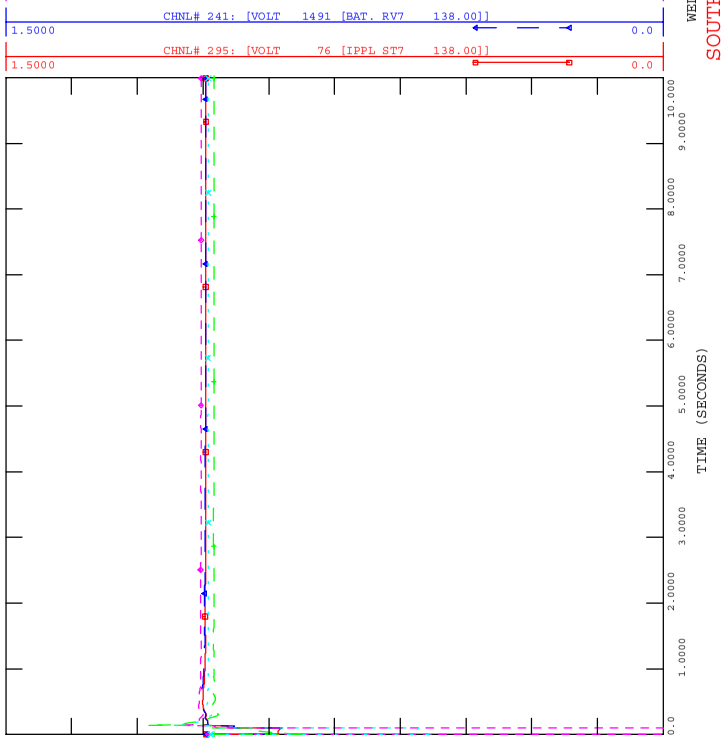


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

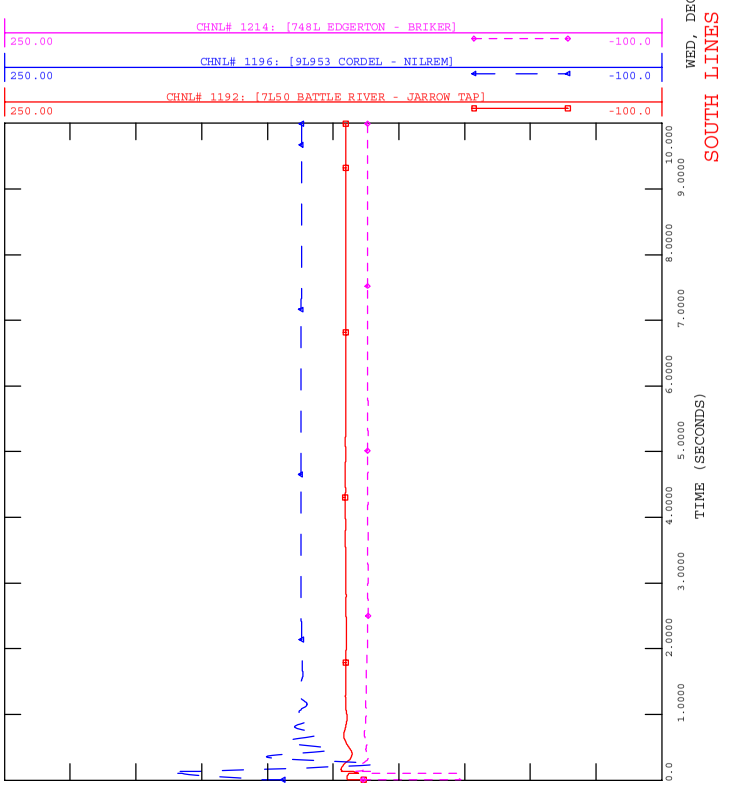
WED, DEC 23 2009 15:52

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

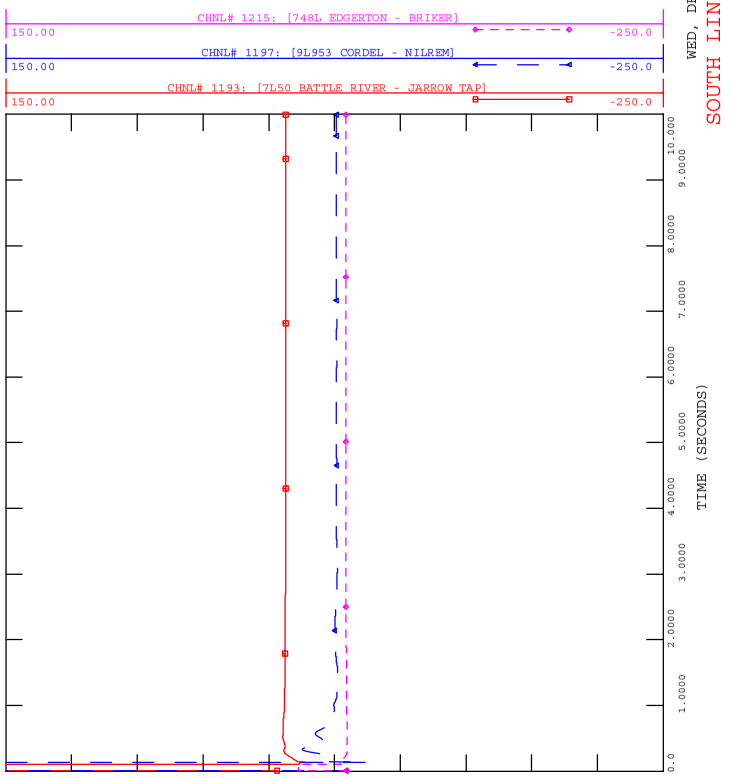


WED, DEC 23 2009 15:52

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

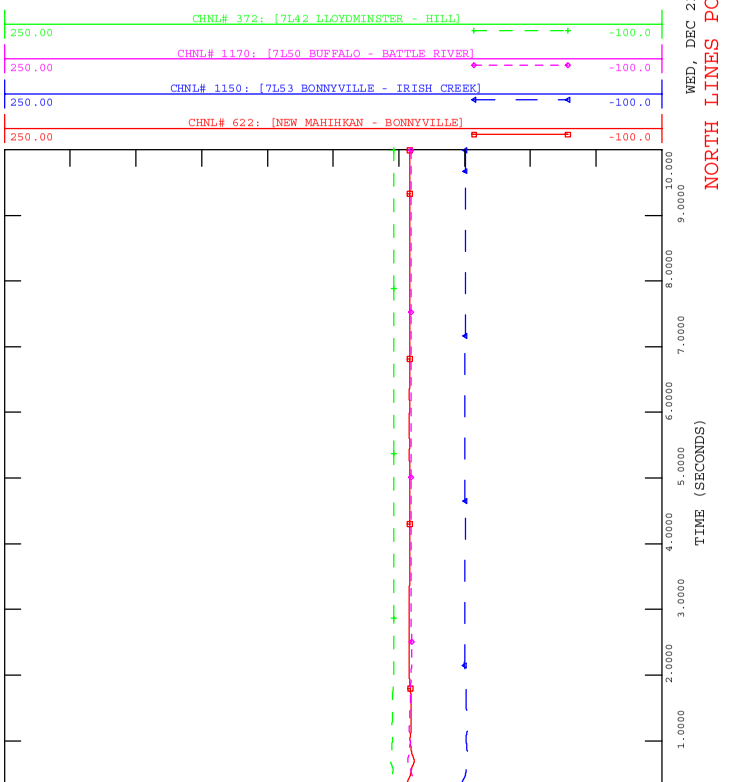


WED, DEC 23 2009 15:52

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

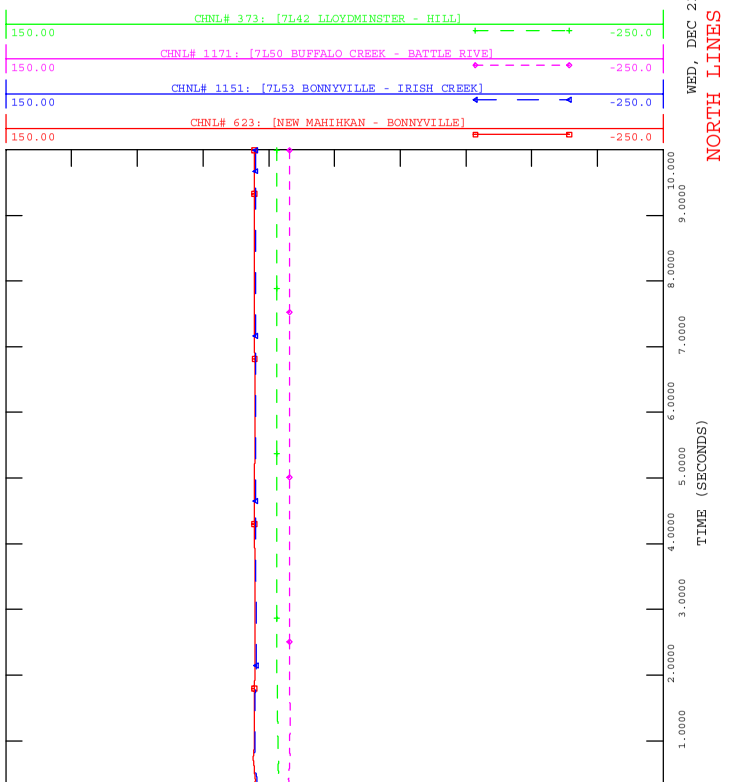


WED, DEC 23 2009 15:52

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out



WED, DEC 23 2009 15:52

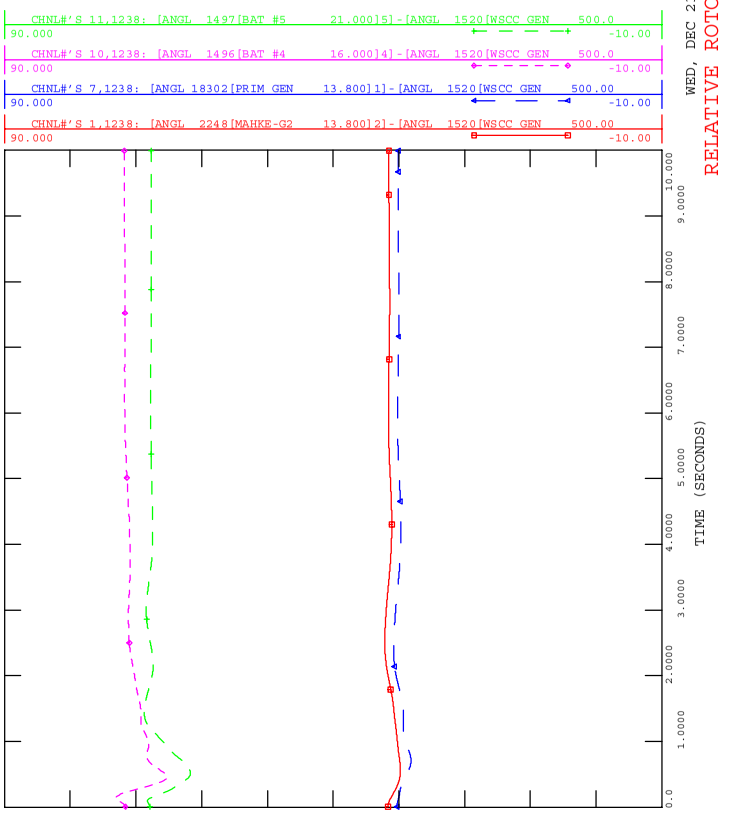
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

RELATIVE ROTOR ANGLES

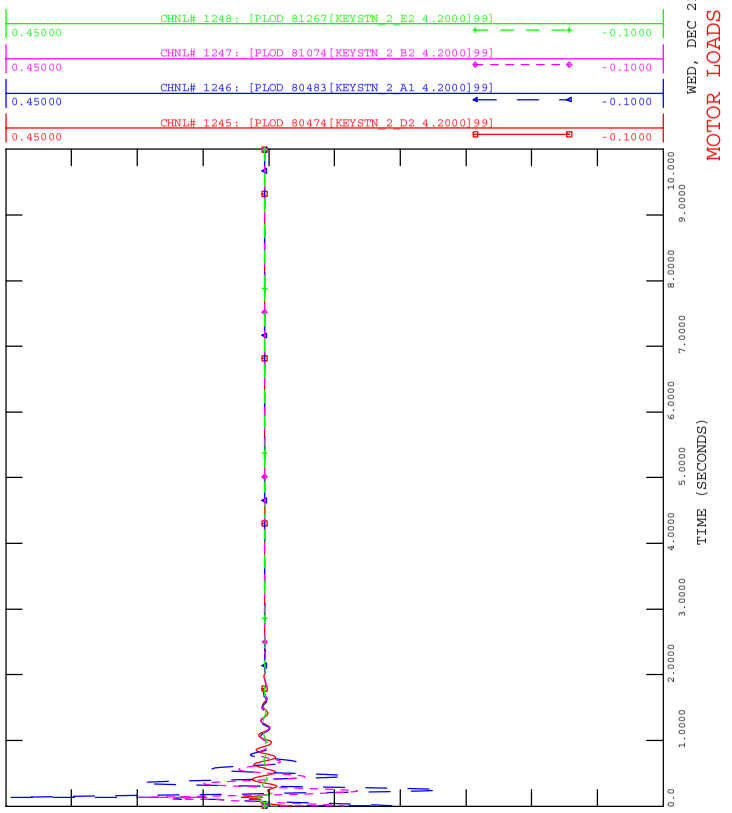


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

MOTOR LOADS GROUP II

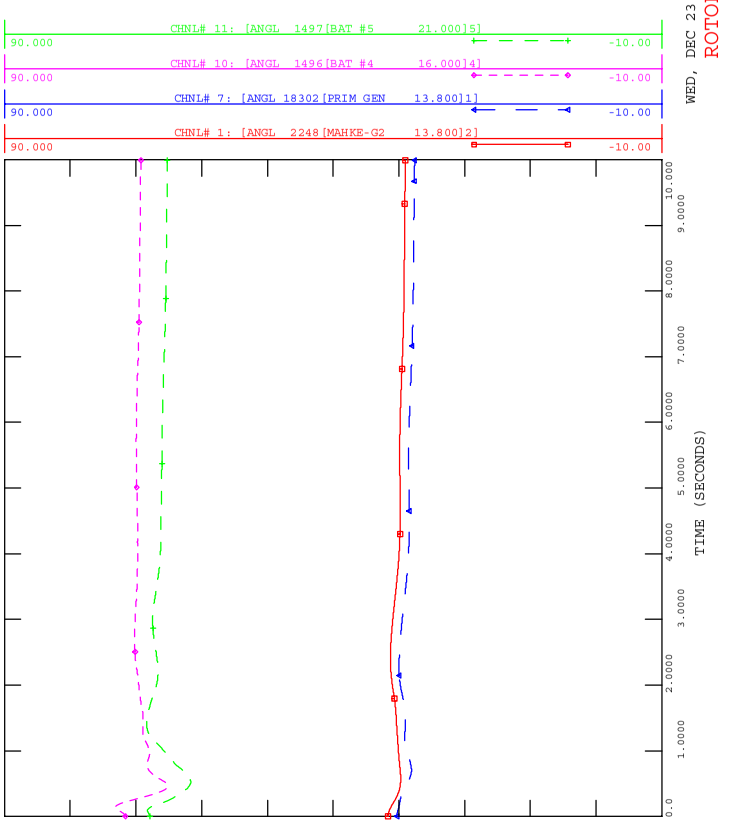


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

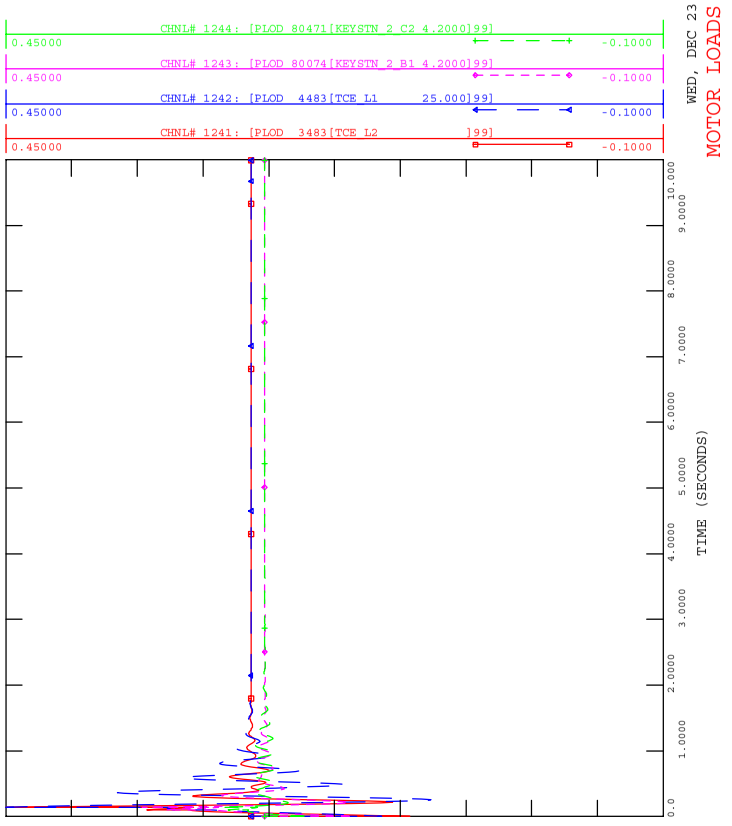


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

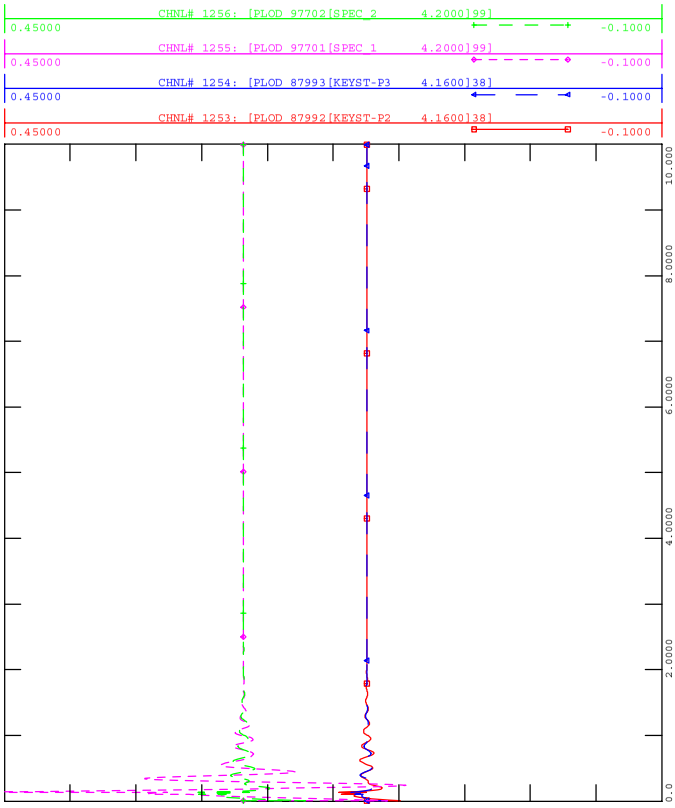
WED, DEC 23 2009 15:52

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out

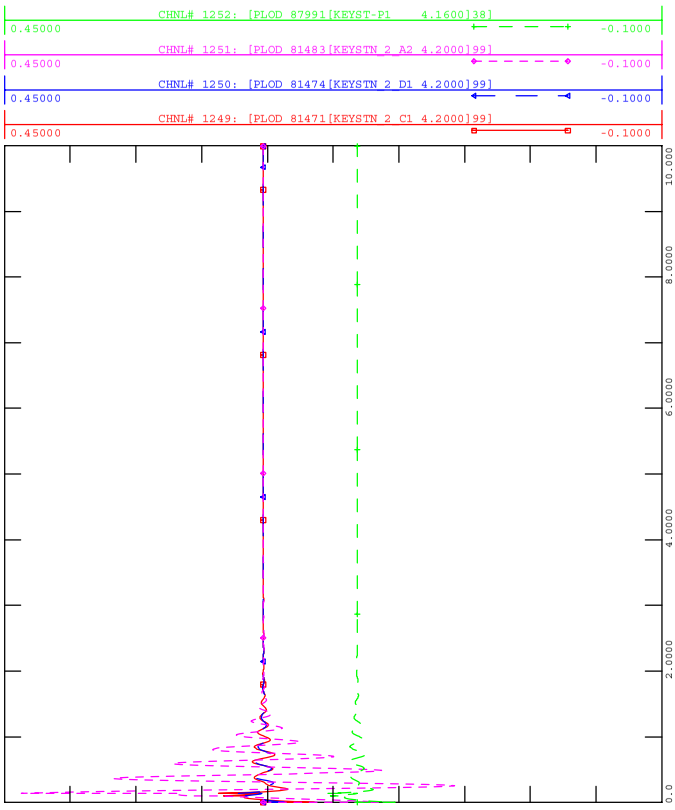


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-9fault.out



WED, DEC 23 2009 15:52

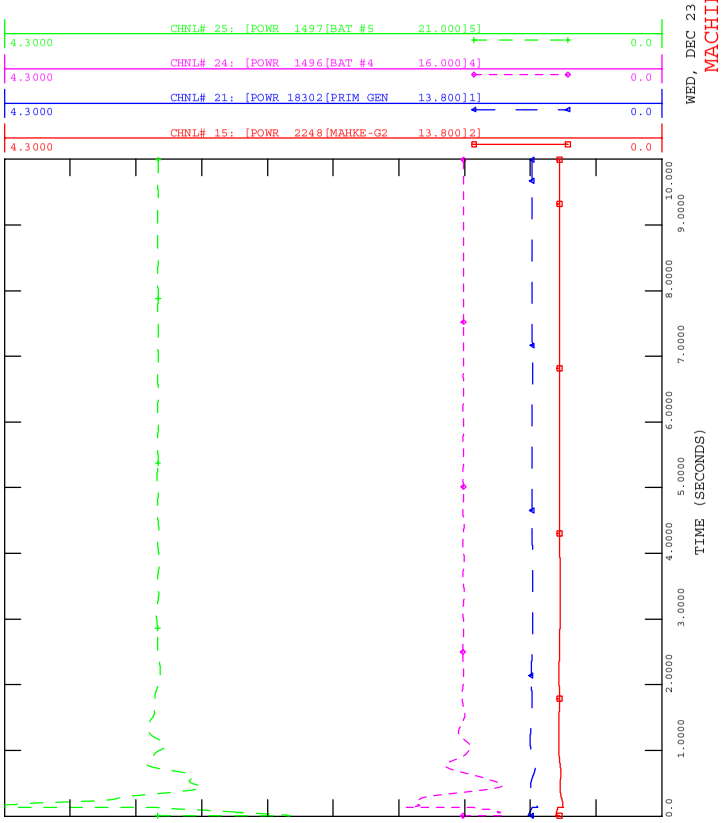
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

MACHINE POWER

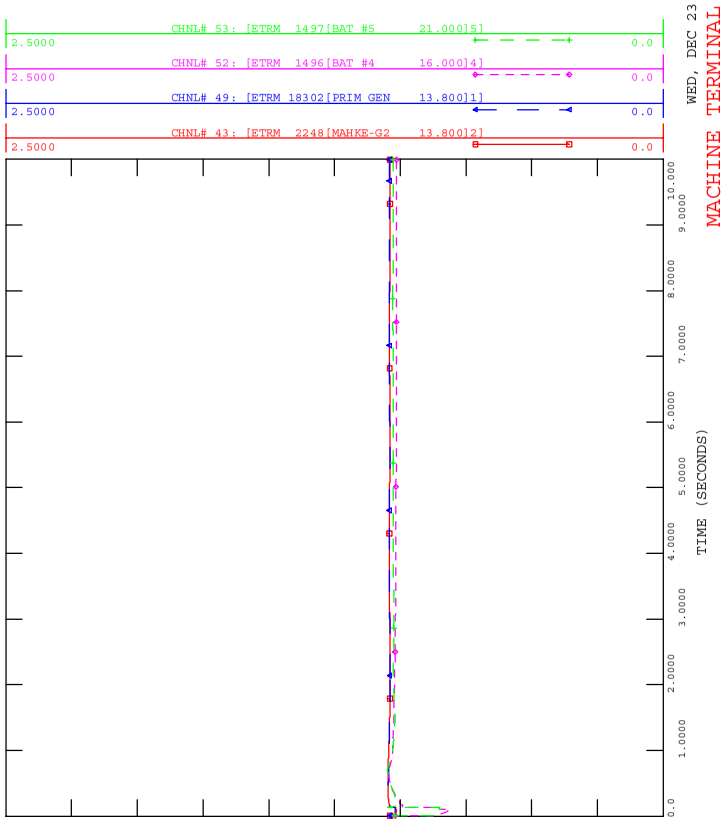


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

MACHINE TERMINAL VOLTAGE

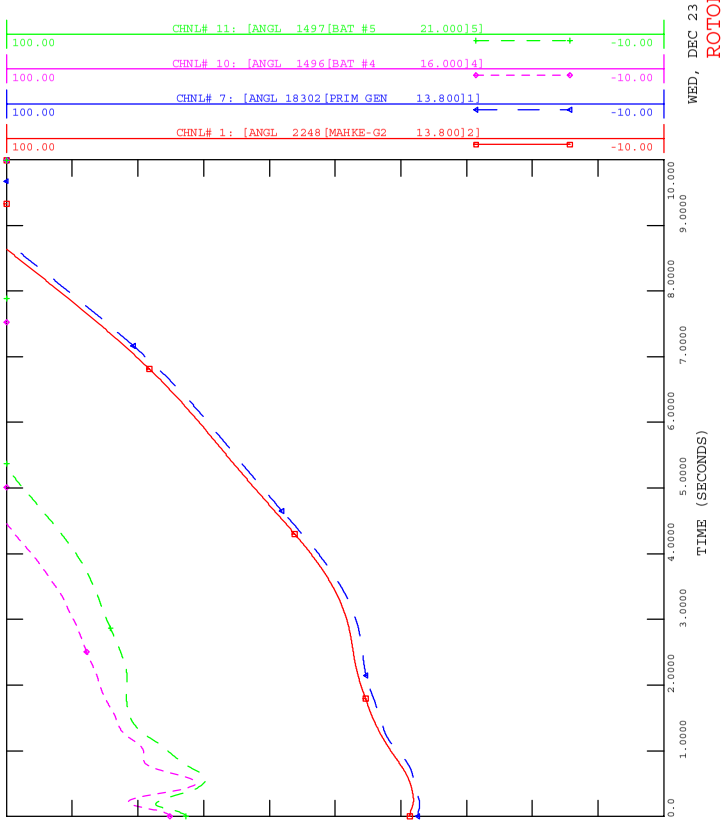


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

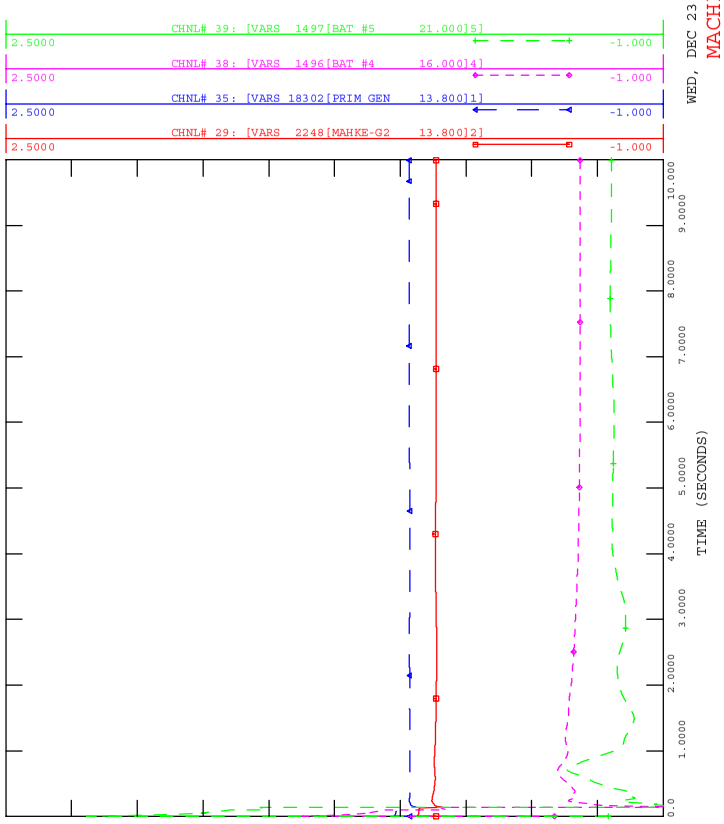


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

MACHINE VARS

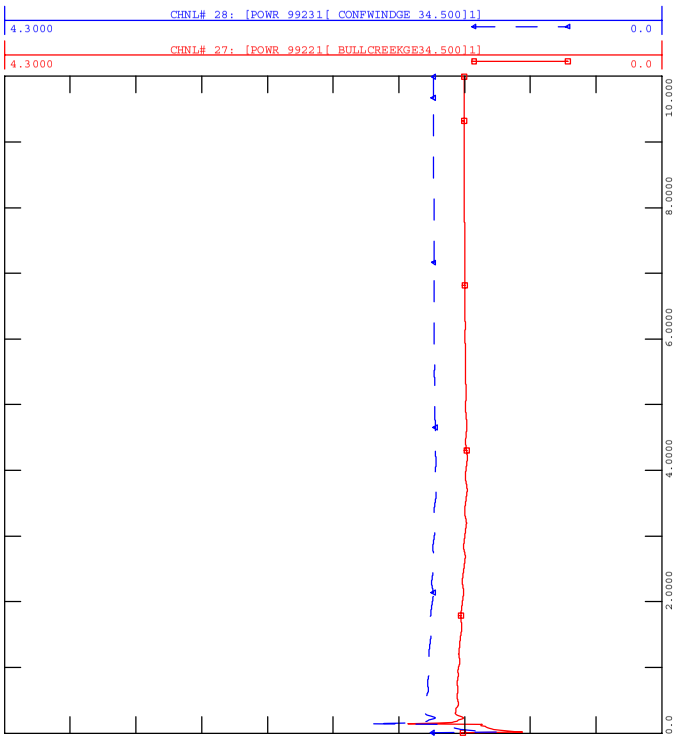


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

WIND MACHINE POWER

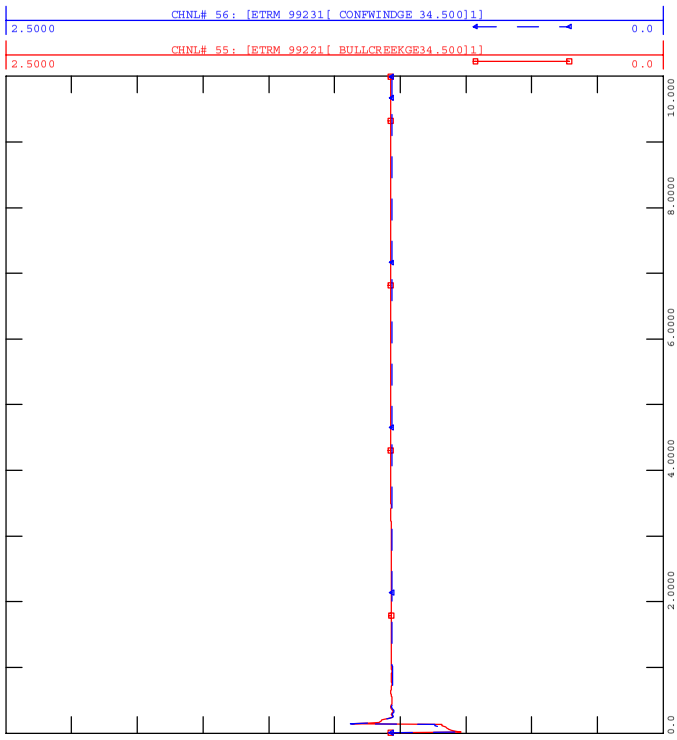


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

WIND MACH. TERMINAL VOLTS

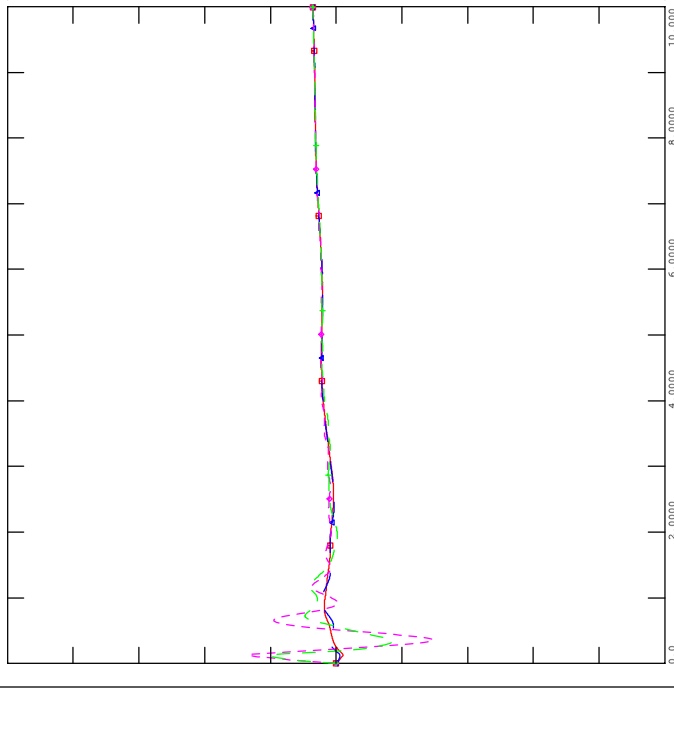


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

MACHINE SPEED

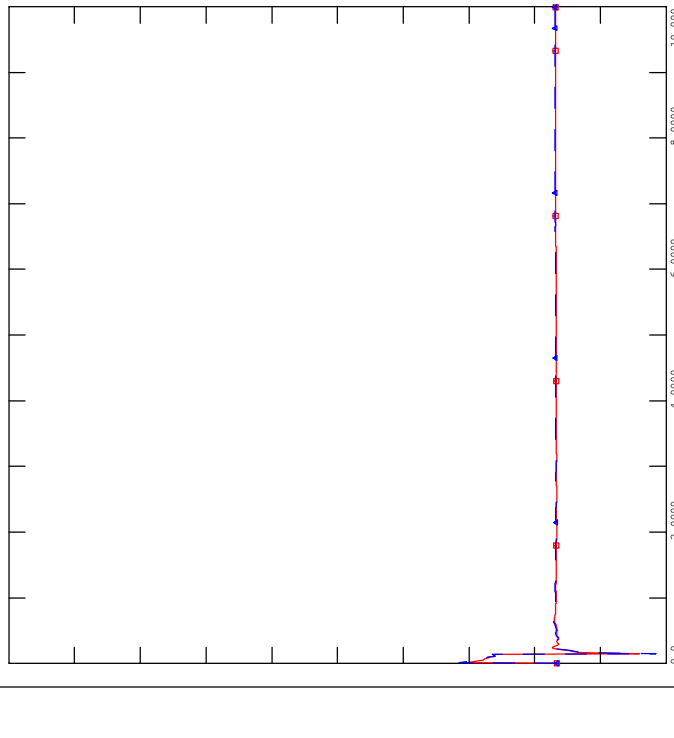


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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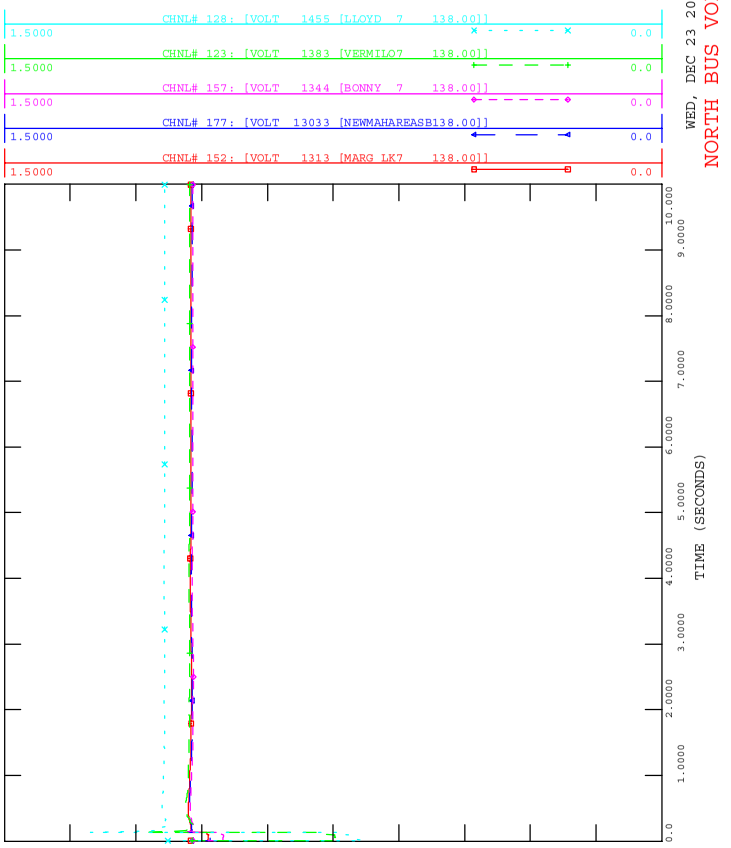
WED, DEC 23 2009 15:52

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

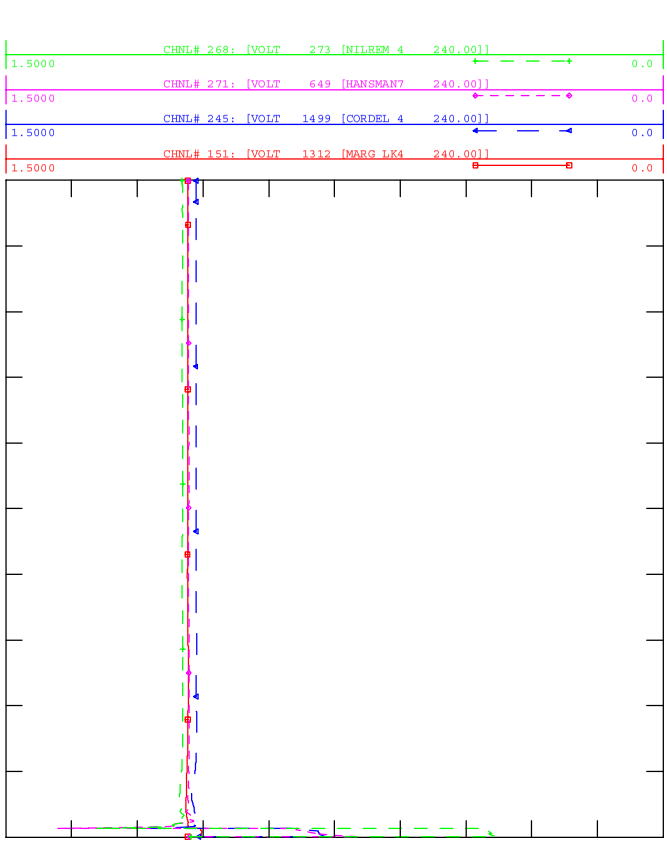
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WED, DEC 23 2009 15:52
NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

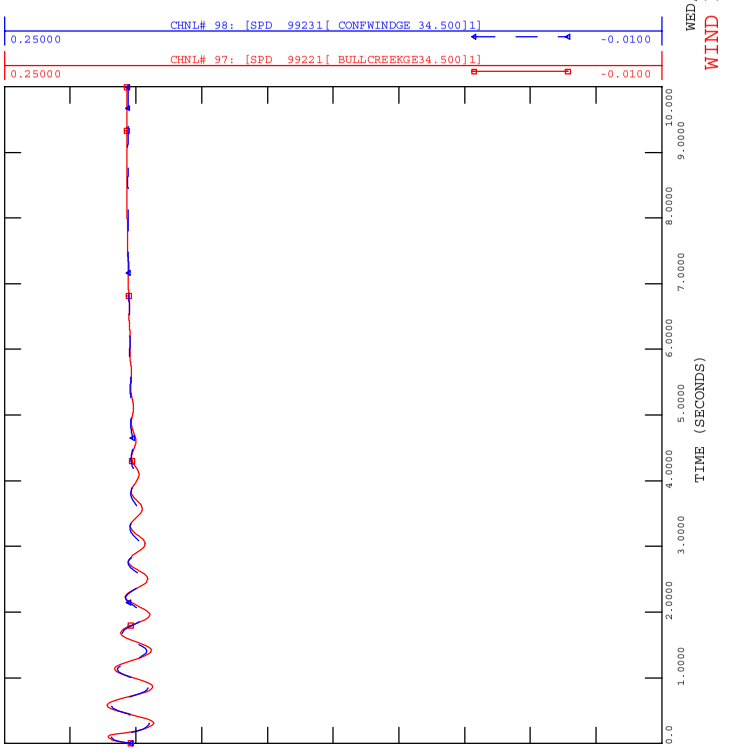
FILE: C3-10fault.out



WED, DEC 23 2009 15:52
240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

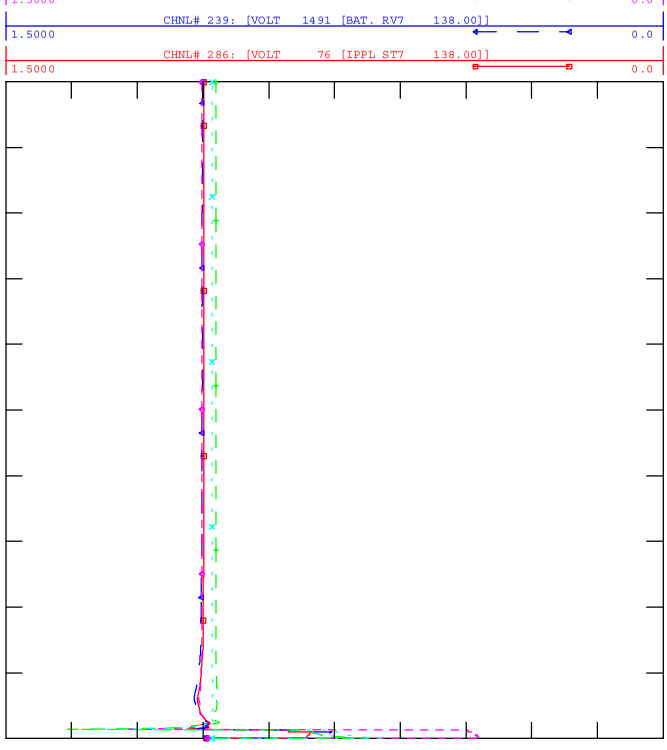
FILE: C3-10fault.out



WED, DEC 23 2009 15:52
WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out



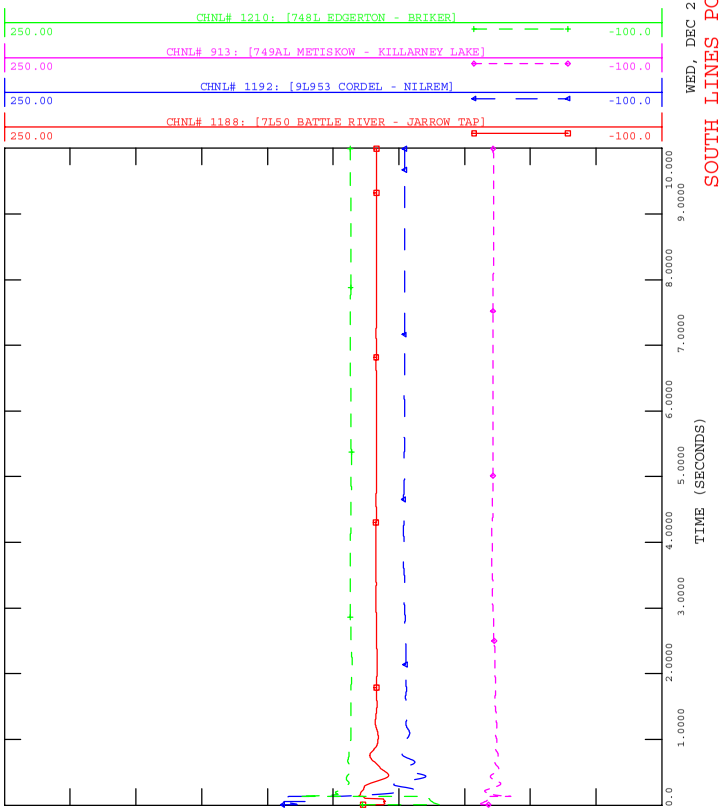
WED, DEC 23 2009 15:52
SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

SOUTH LINES POWER FLOW

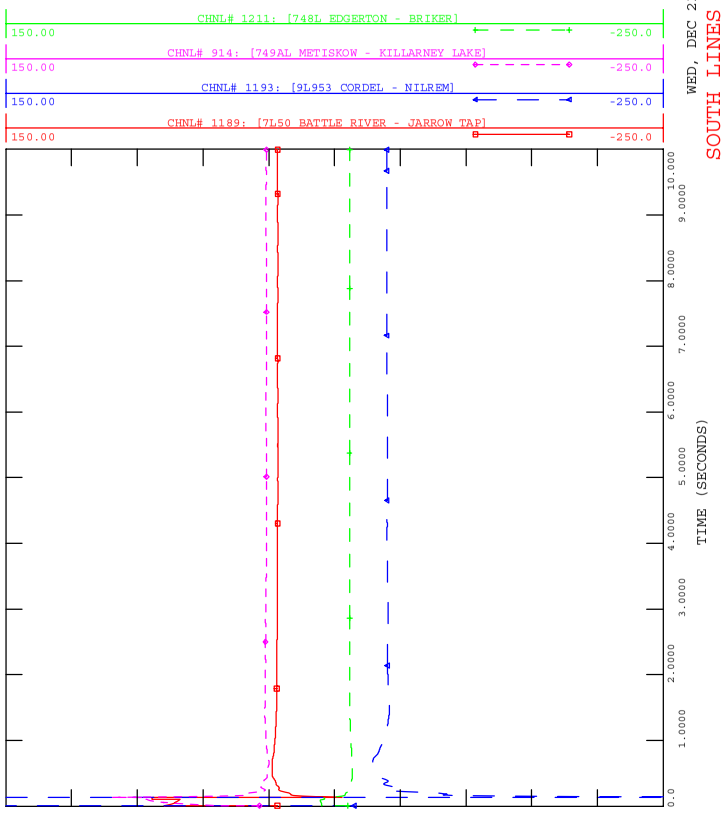


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

SOUTH LINES VAR FLOW

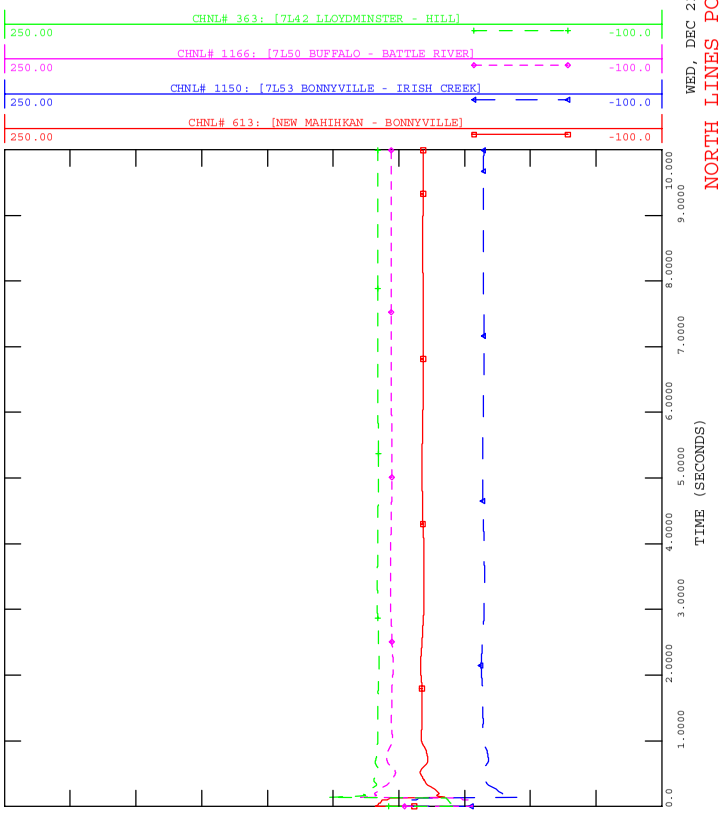


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

NORTH LINES POWER FLOW

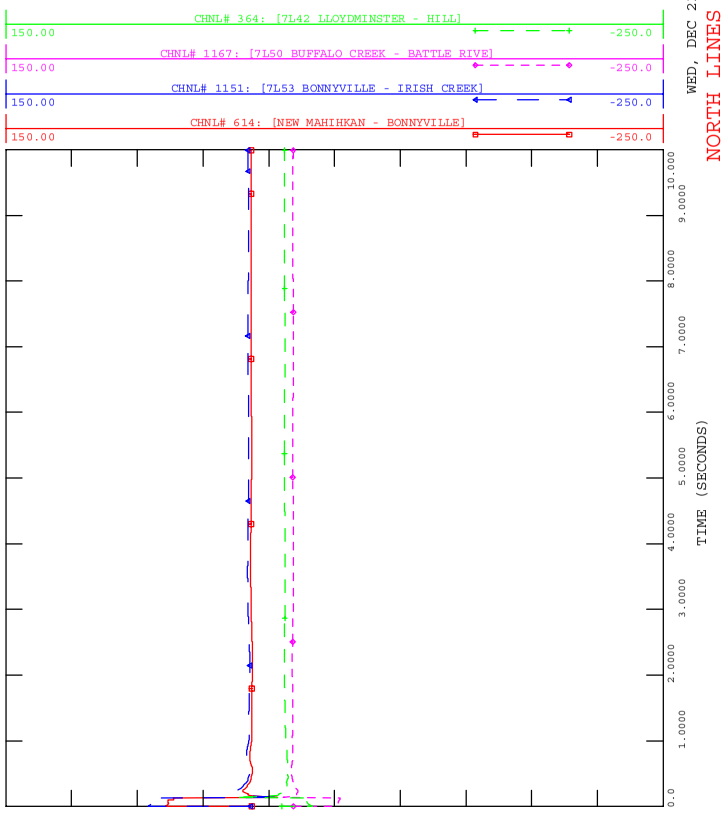


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

NORTH LINES VAR FLOW

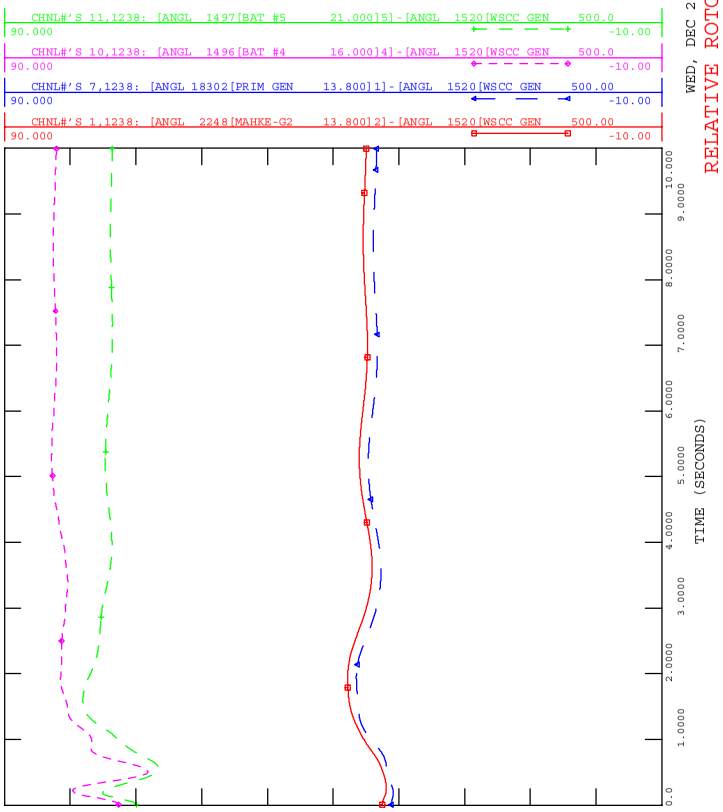


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

RELATIVE ROTOR ANGLES

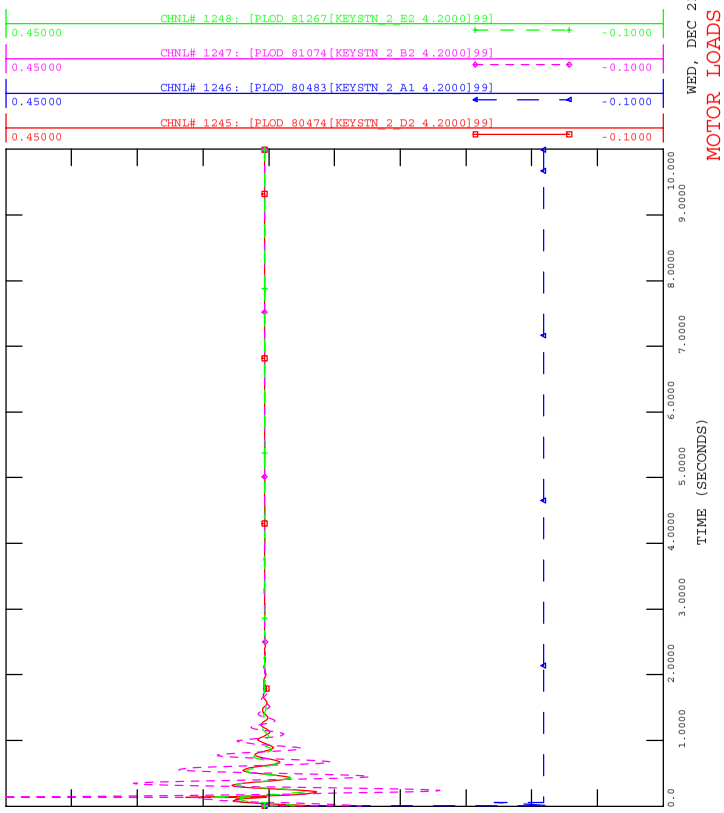


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

MOTOR LOADS GROUP II

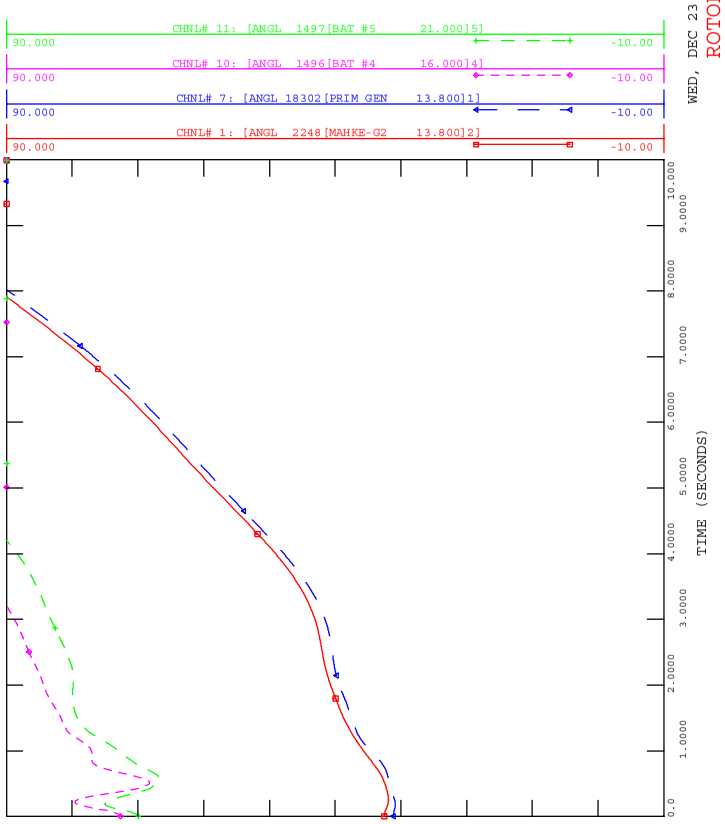


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

WED, DEC 23 2009 15:52

ROTOR ANGLES

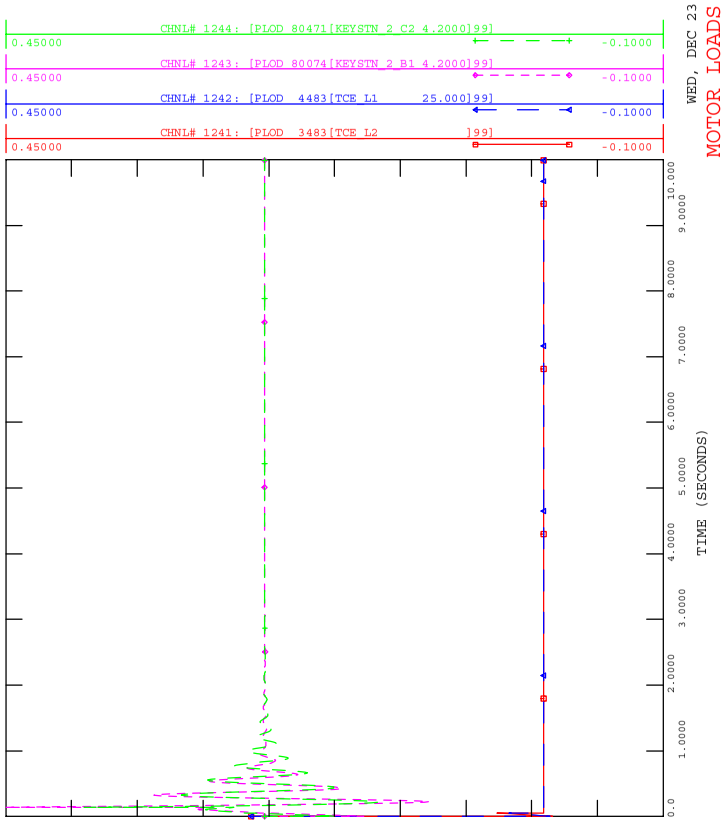


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

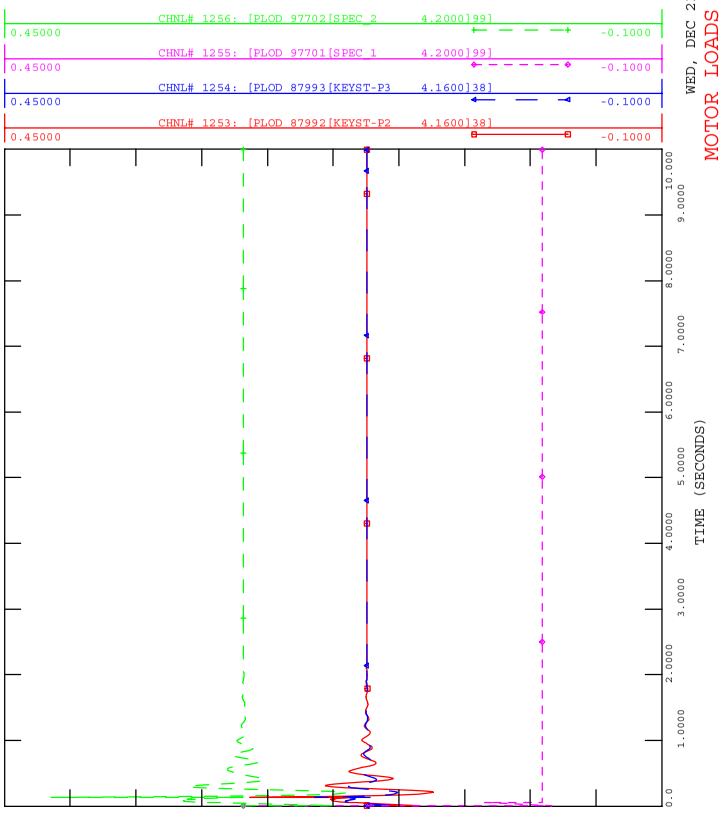
WED, DEC 23 2009 15:52

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out

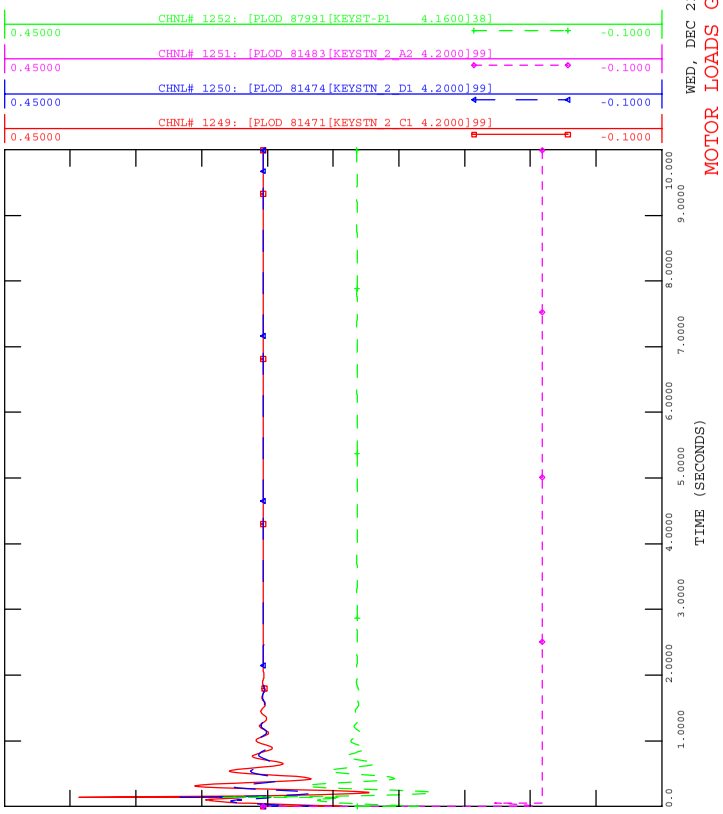


WED, DEC 23 2009 15:52

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-10fault.out



WED, DEC 23 2009 15:52

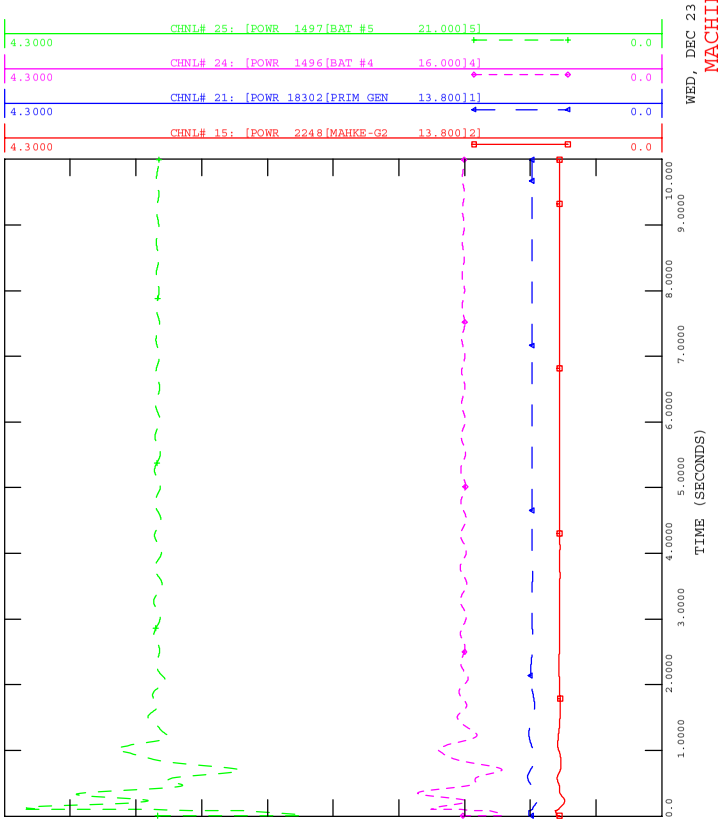
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

MACHINE POWER

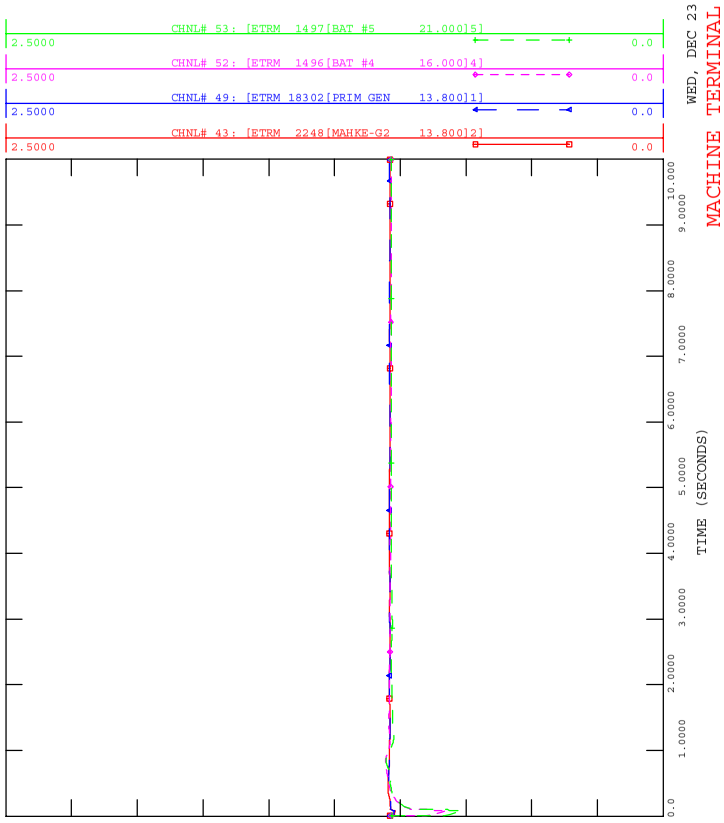


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

MACHINE TERMINAL VOLTAGE

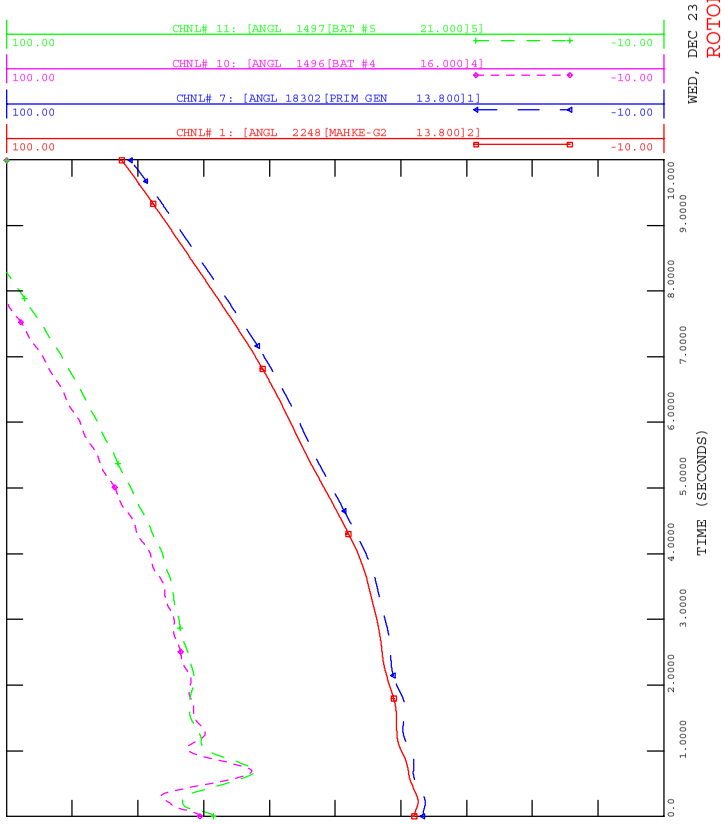


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

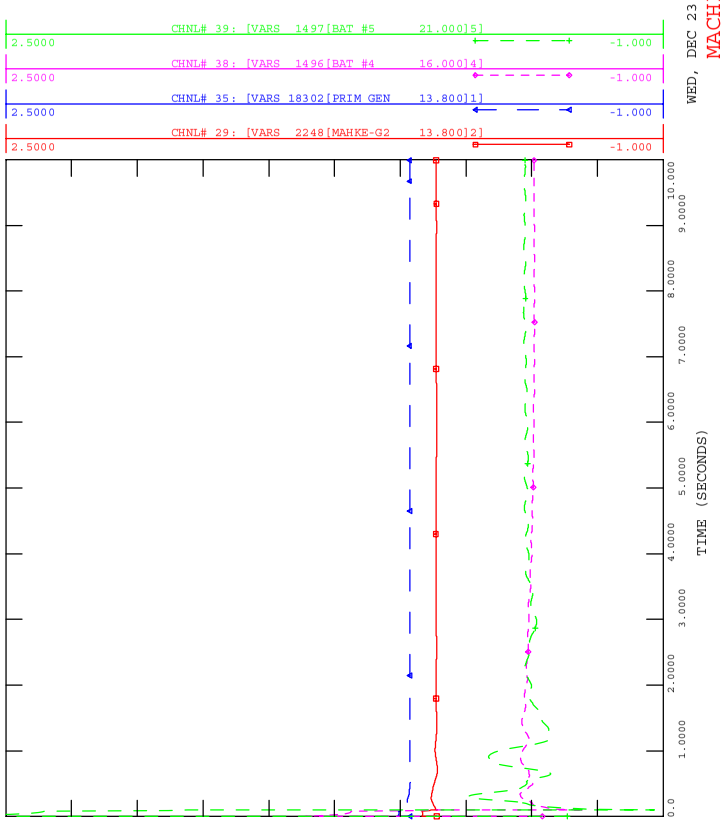


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

MACHINE VARS

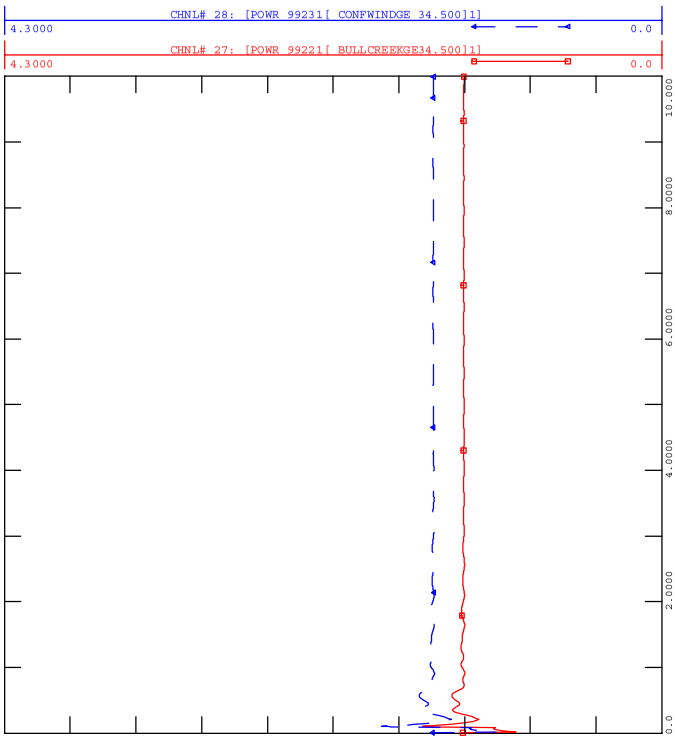


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

WIND MACHINE POWER

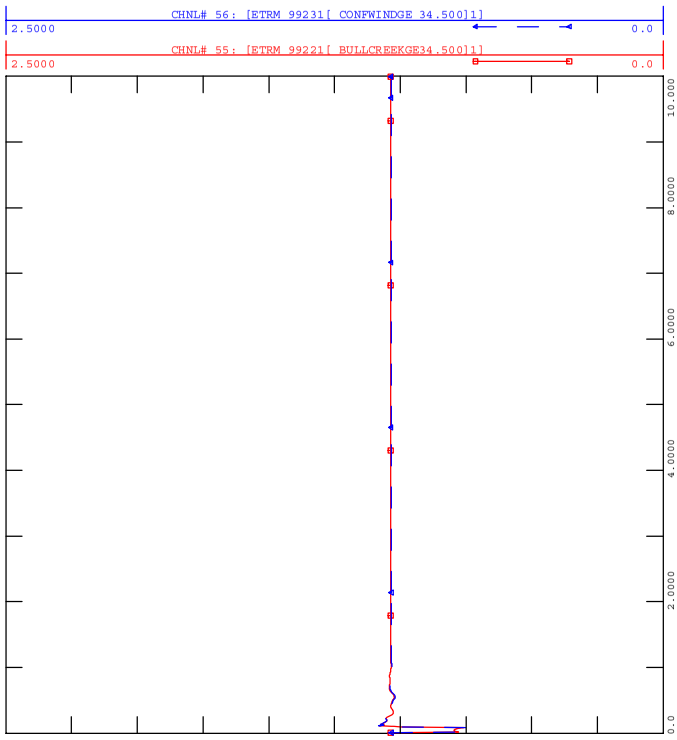


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

WIND MACH. TERMINAL VOLTS

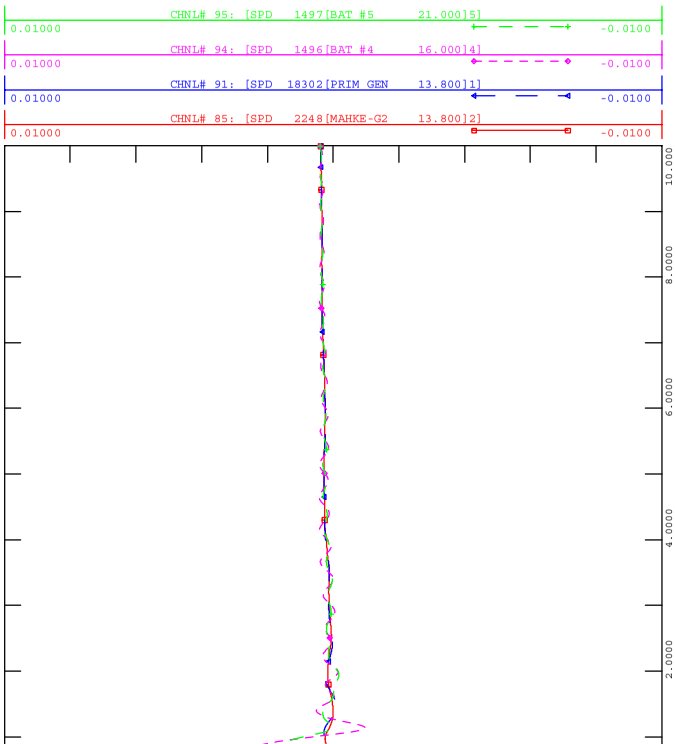


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:53

MACHINE SPEED

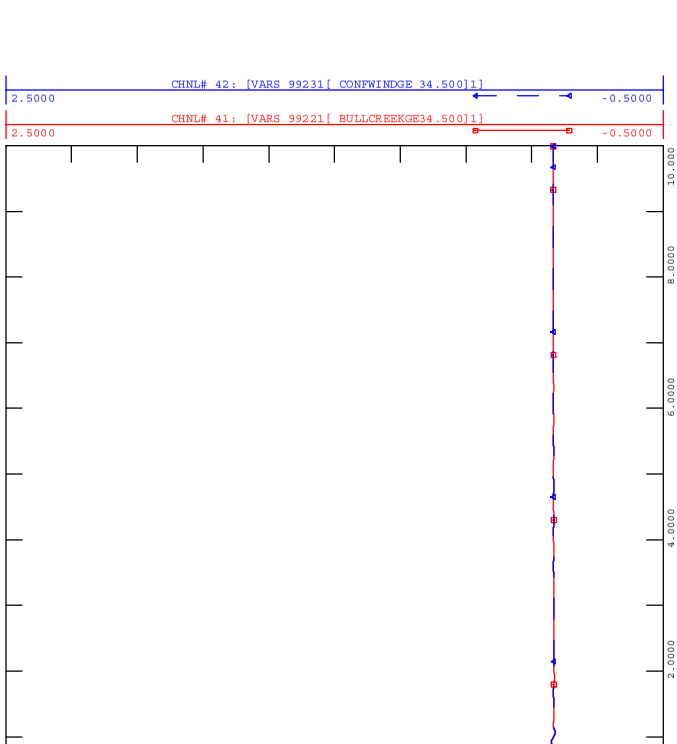


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

WIND MACHINE VARS

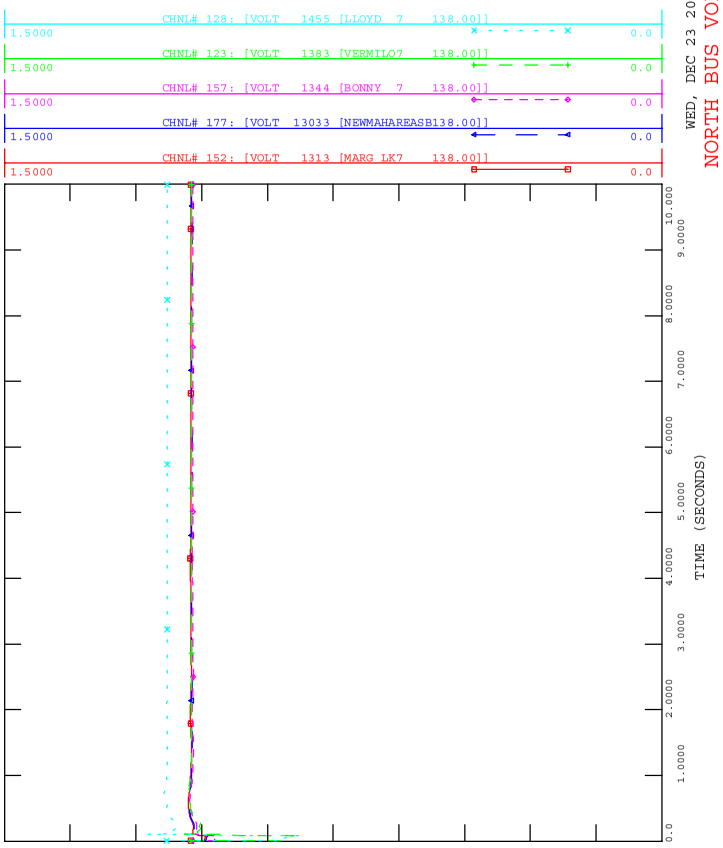


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

NORTH BUS VOLTAGES

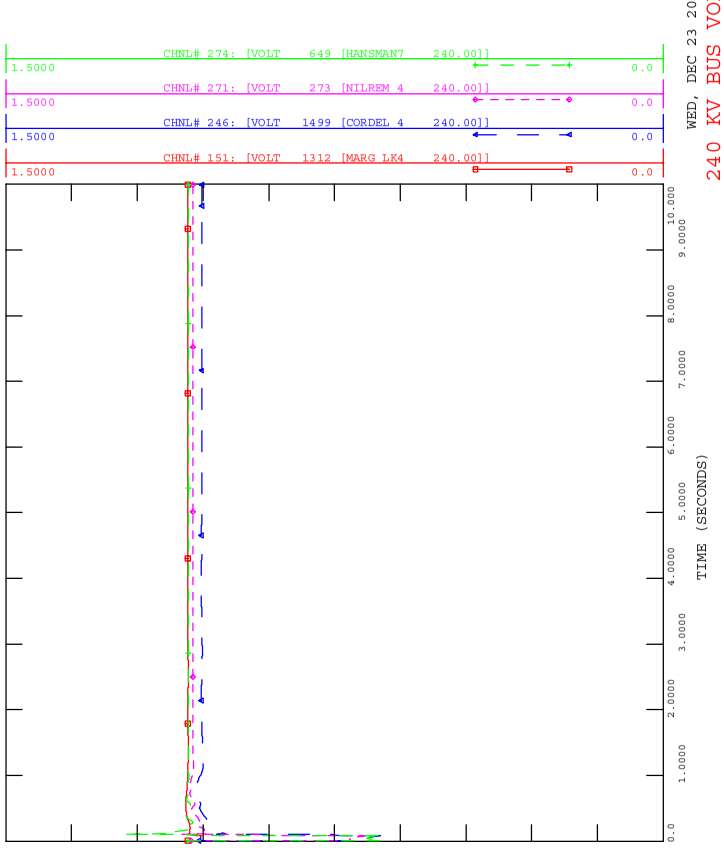


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:53

240 KV BUS VOLTAGES

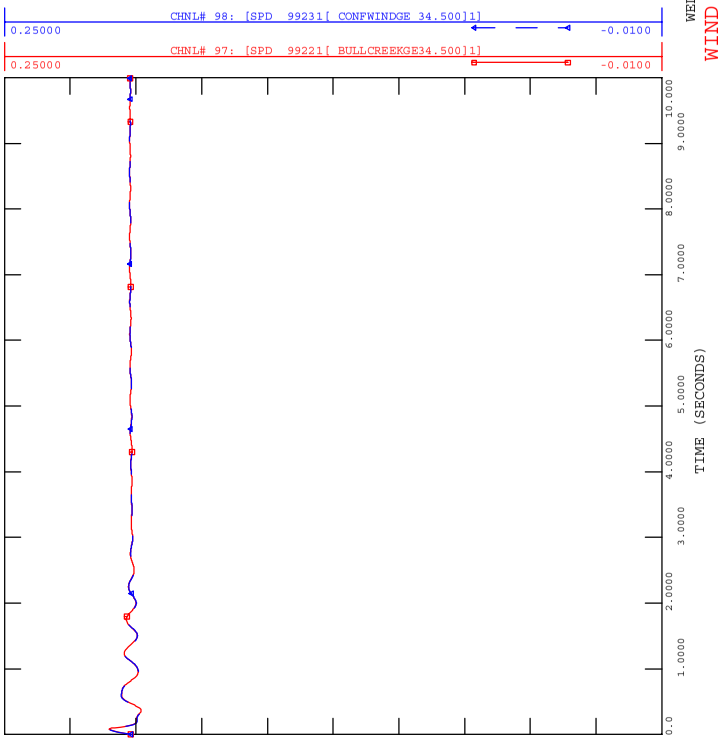


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

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WIND MACHINE SPEED

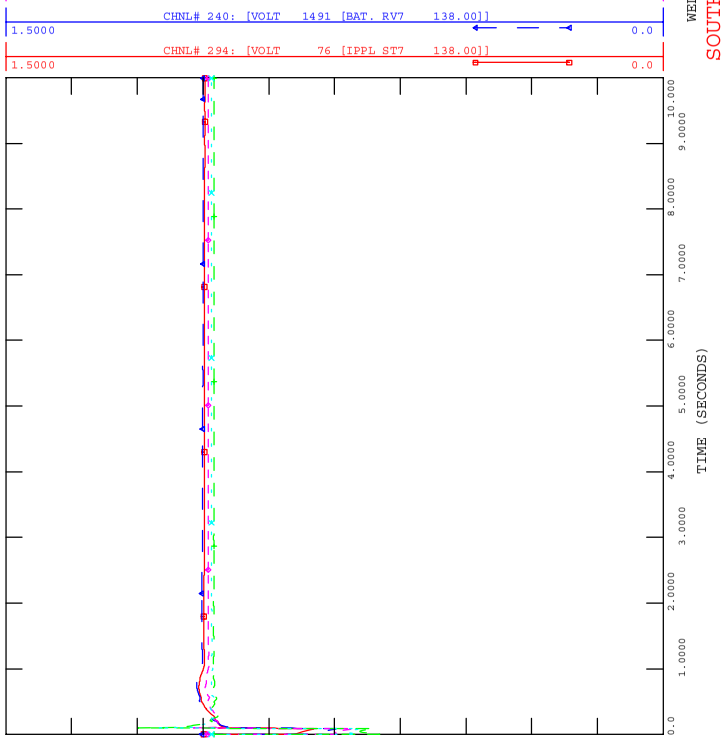


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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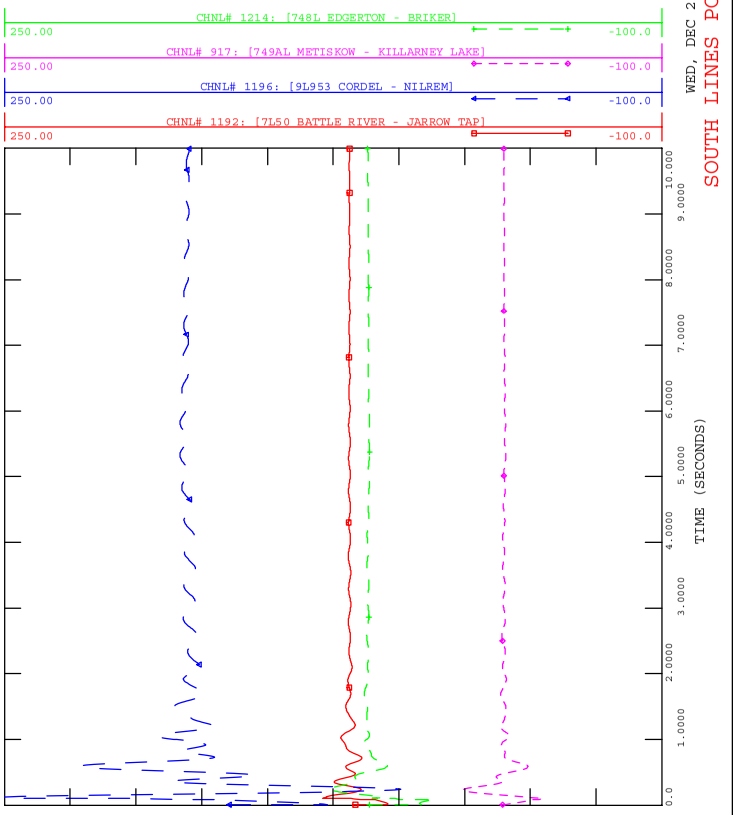
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SOUTH BUS VOLTAGES



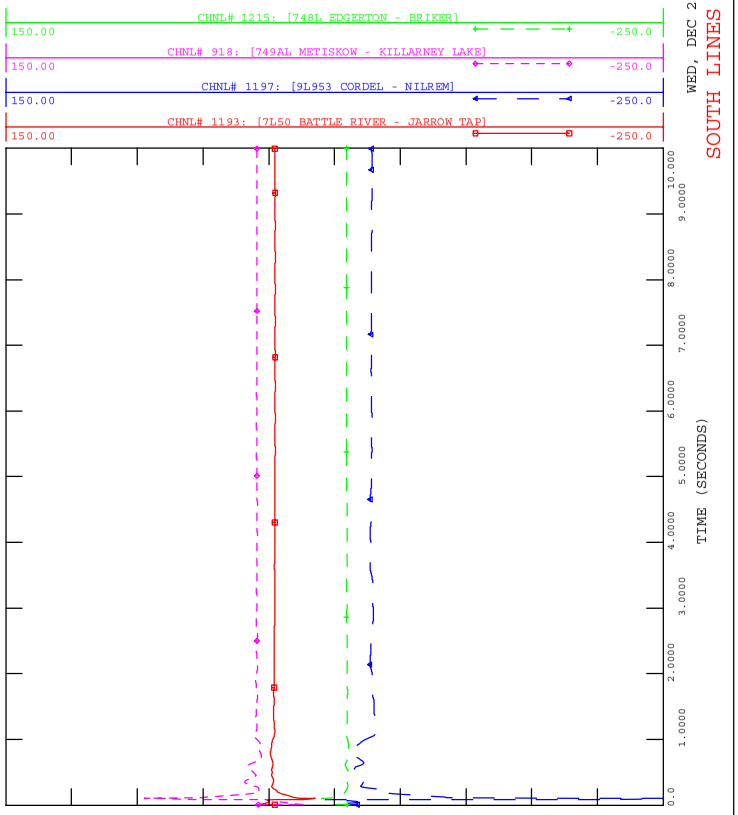
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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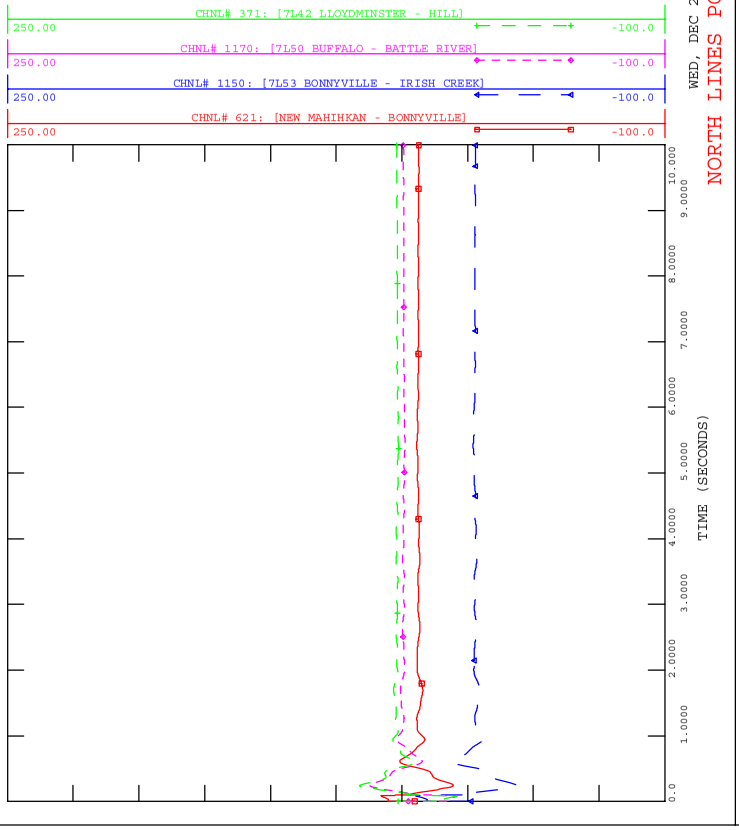
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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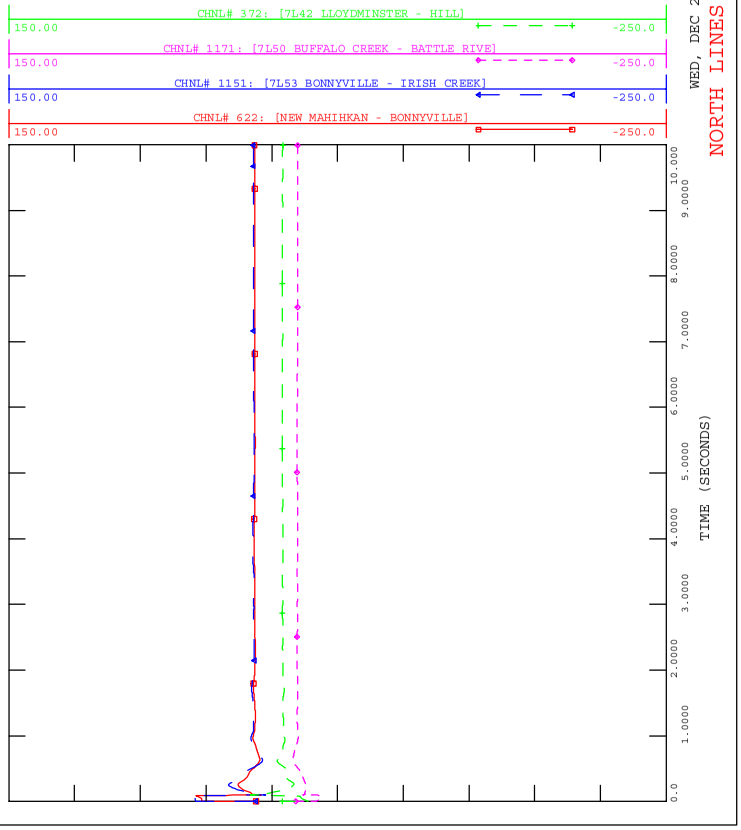
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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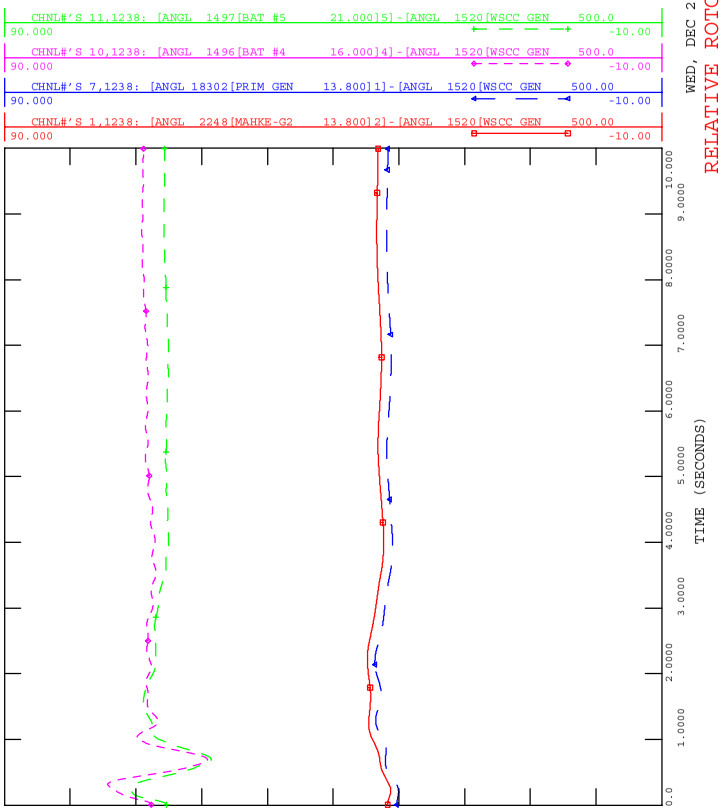


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

RELATIVE ROTOR ANGLES

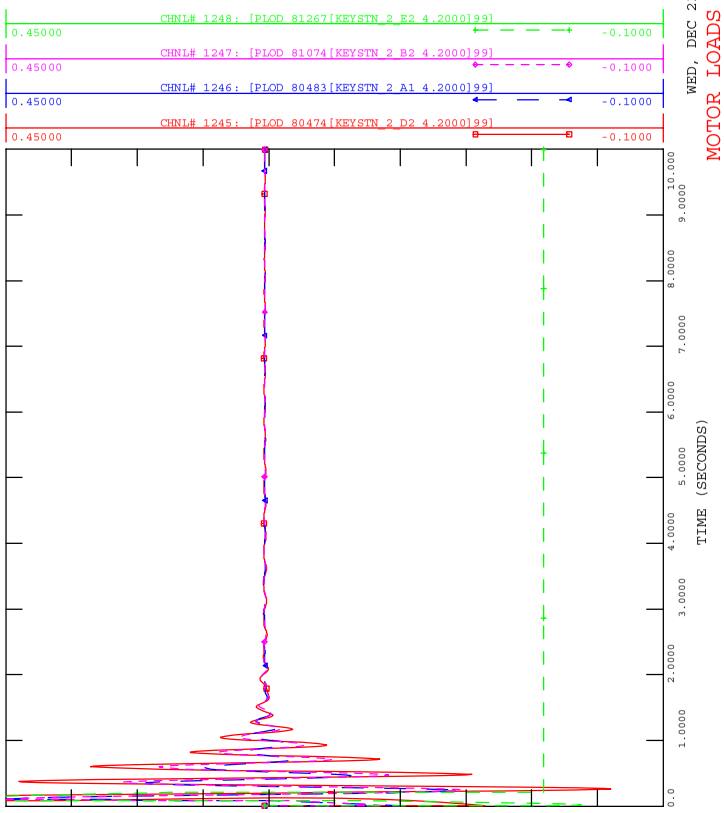


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

MOTOR LOADS GROUP II

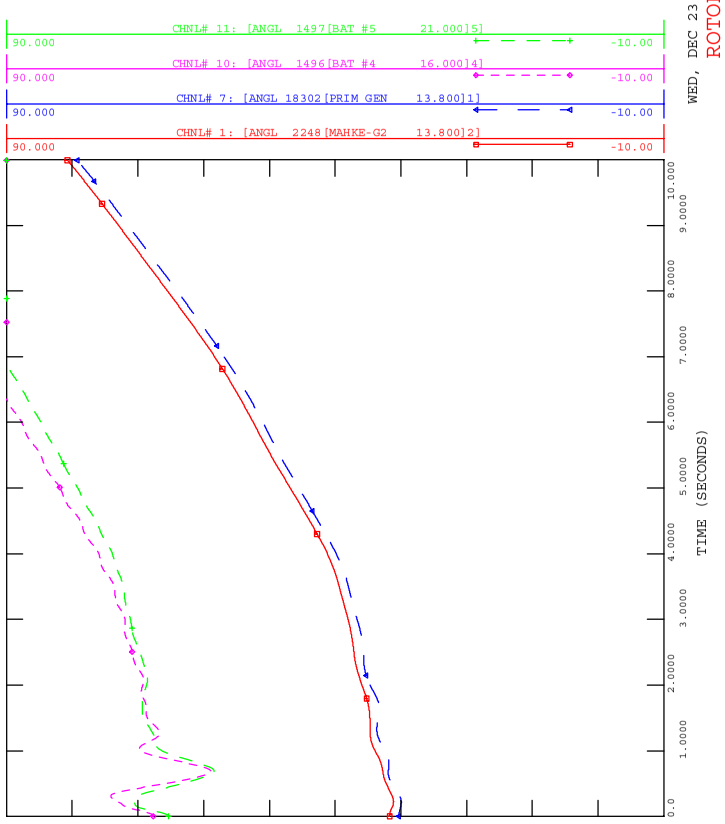


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

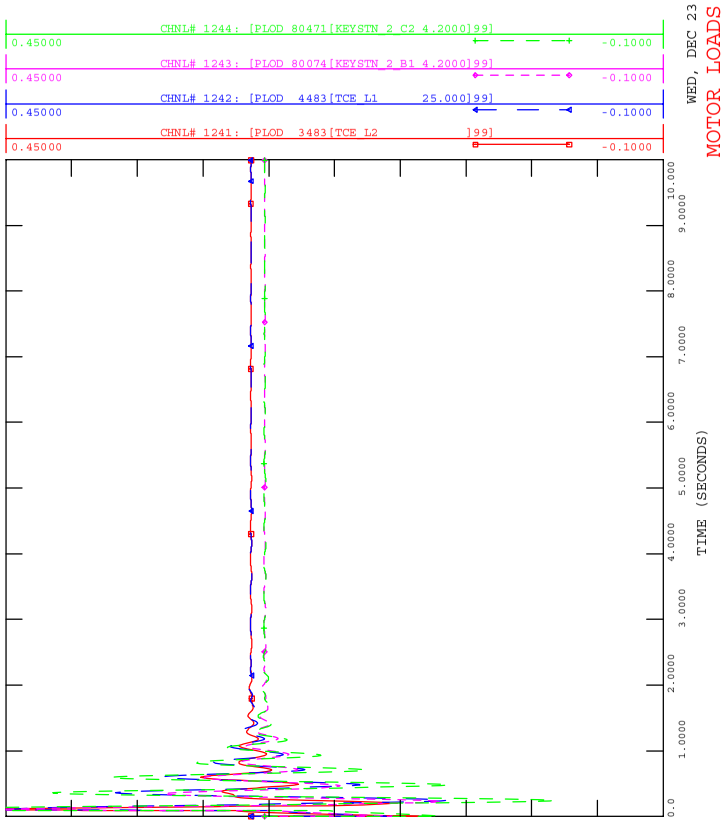


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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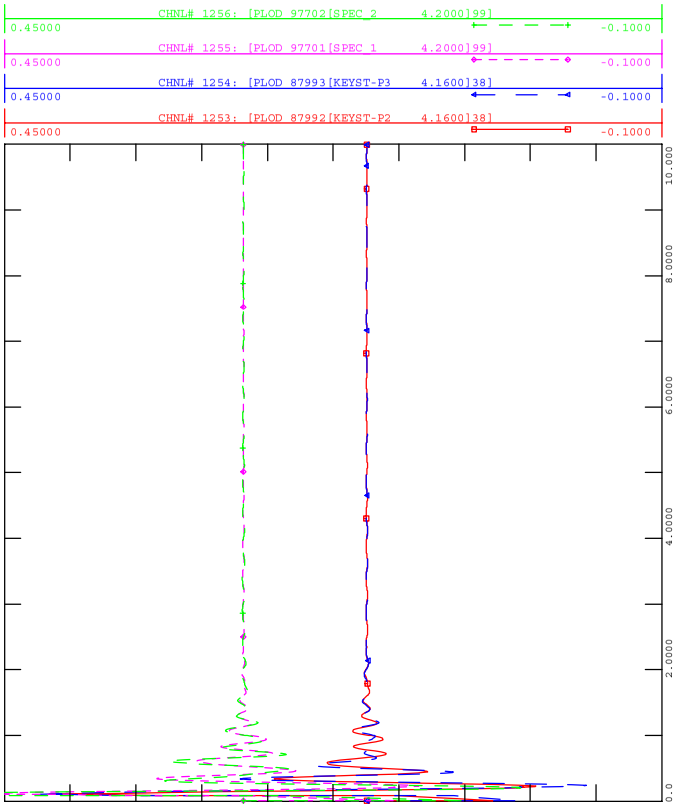
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out

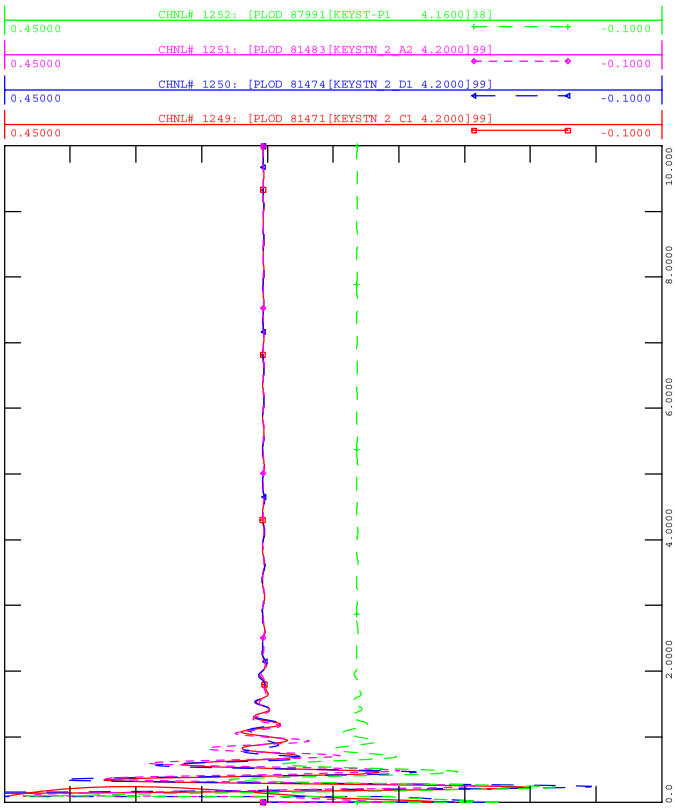


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-11fault.out



WED, DEC 23 2009 15:53

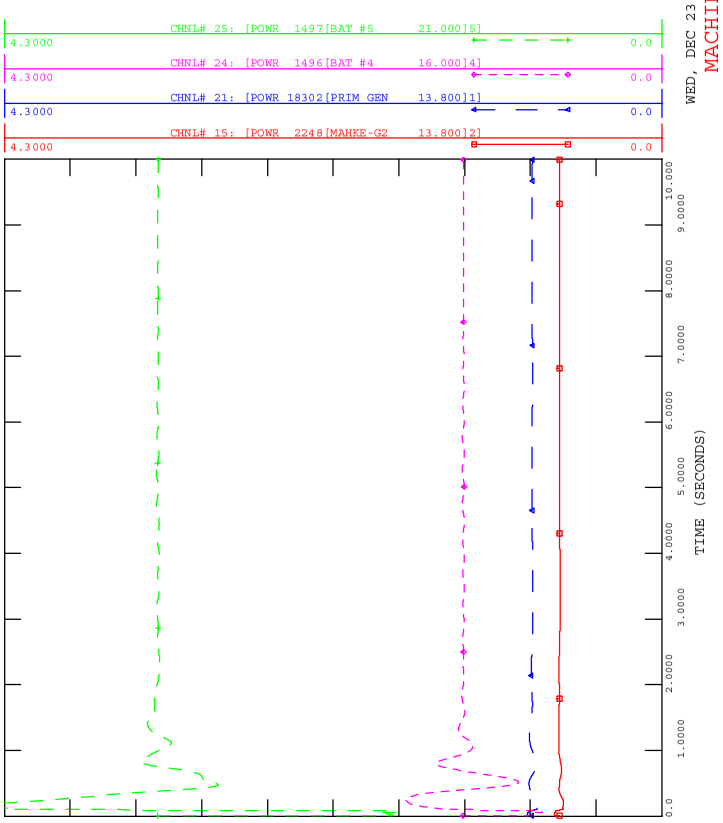
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

MACHINE POWER

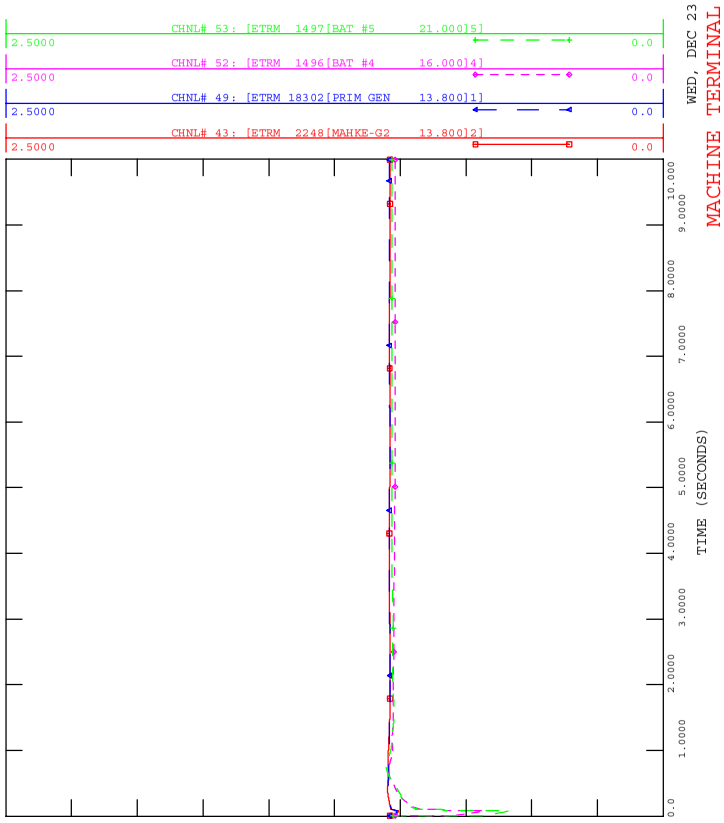


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

MACHINE TERMINAL VOLTAGE

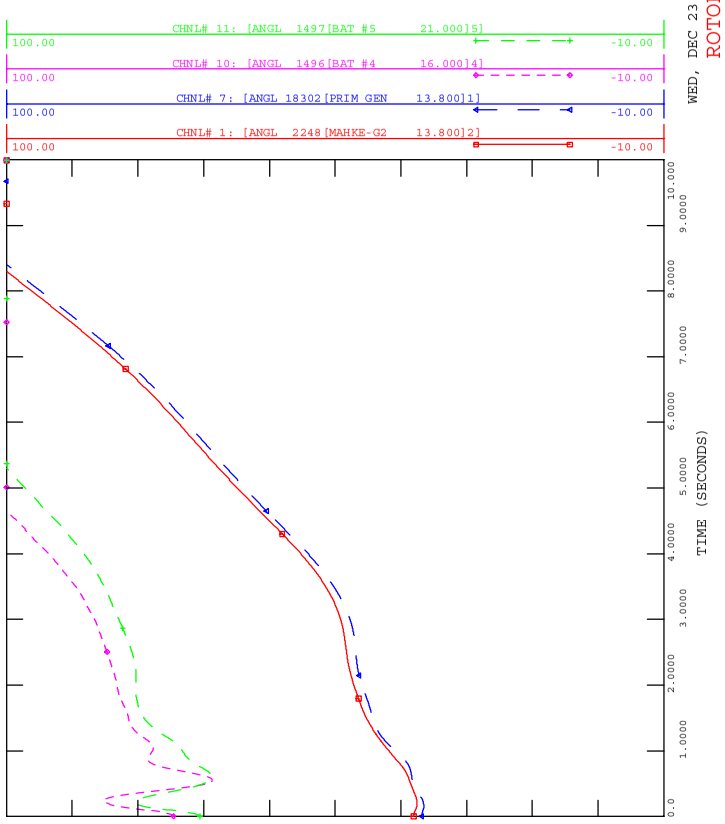


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

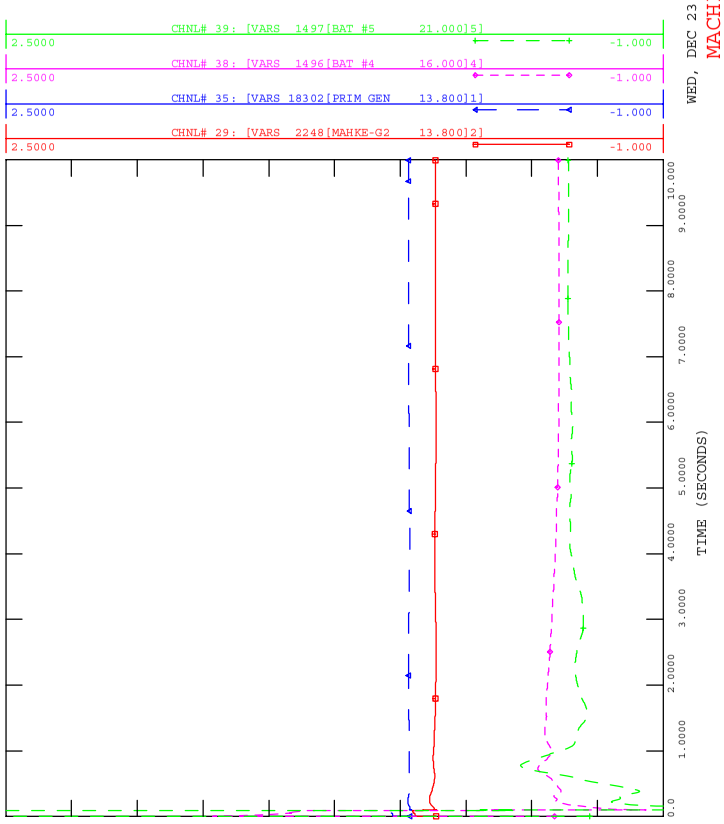


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

MACHINE VARS

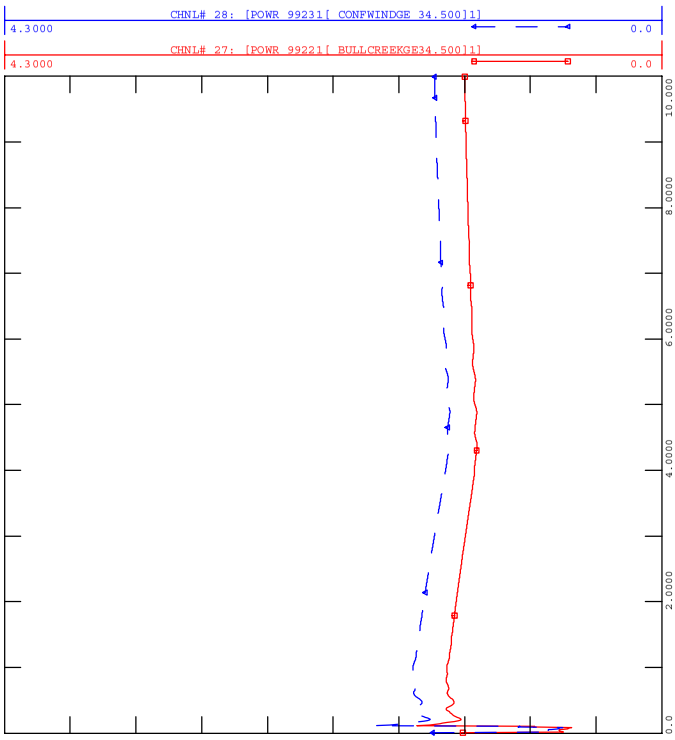


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

WIND MACHINE POWER

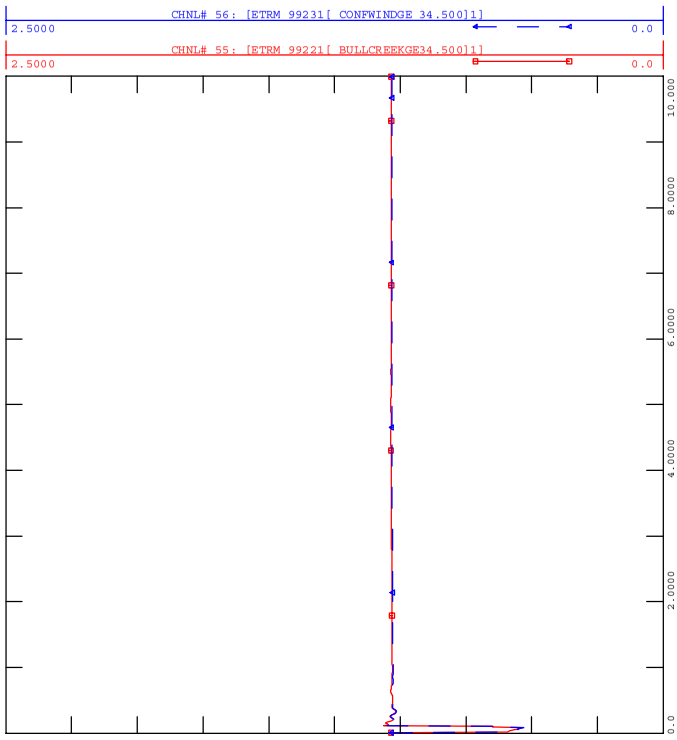


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

WIND MACH. TERMINAL VOLTS

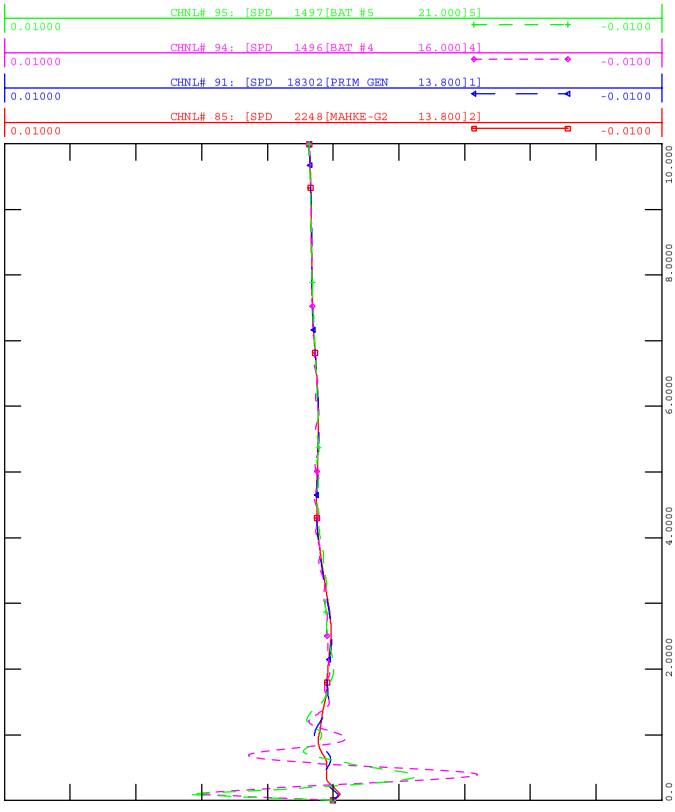


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

MACHINE SPEED

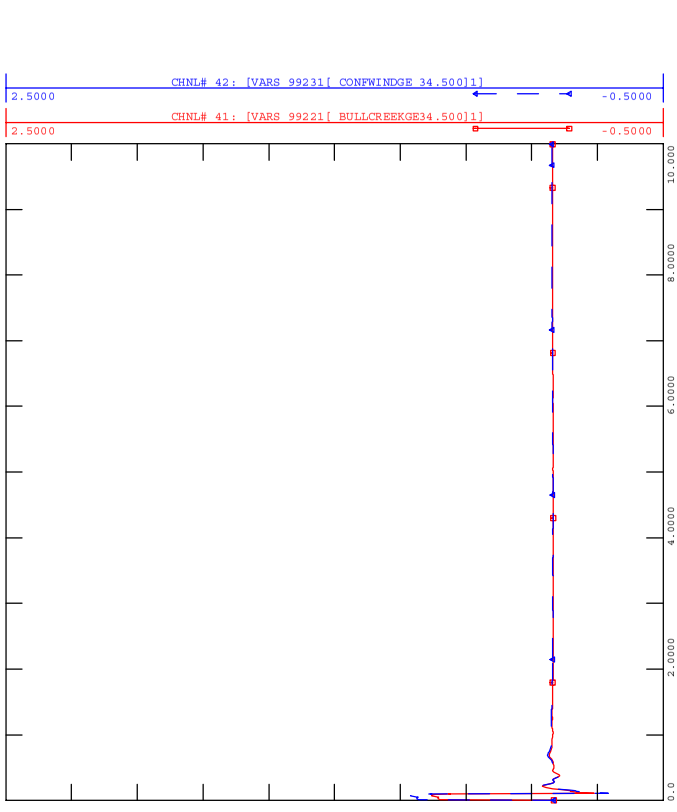


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

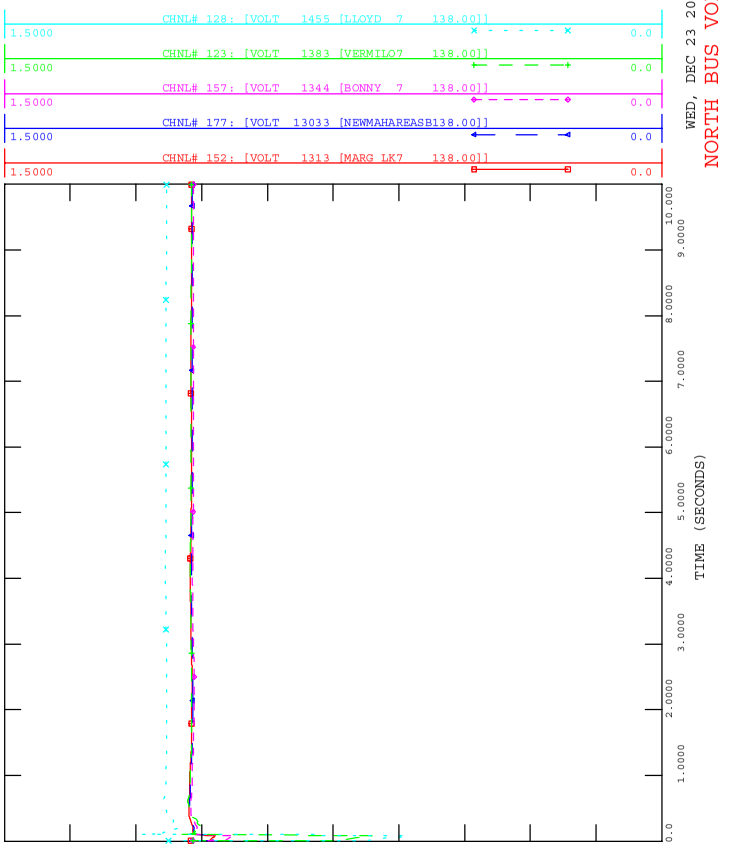
WED, DEC 23 2009 15:53

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

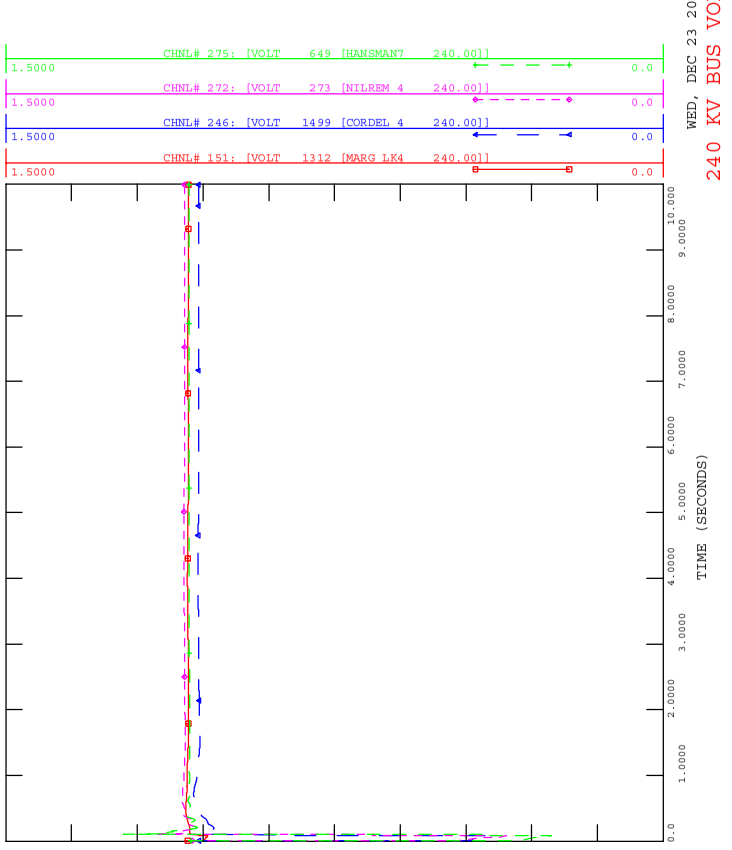


WED, DEC 23 2009 15:53

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

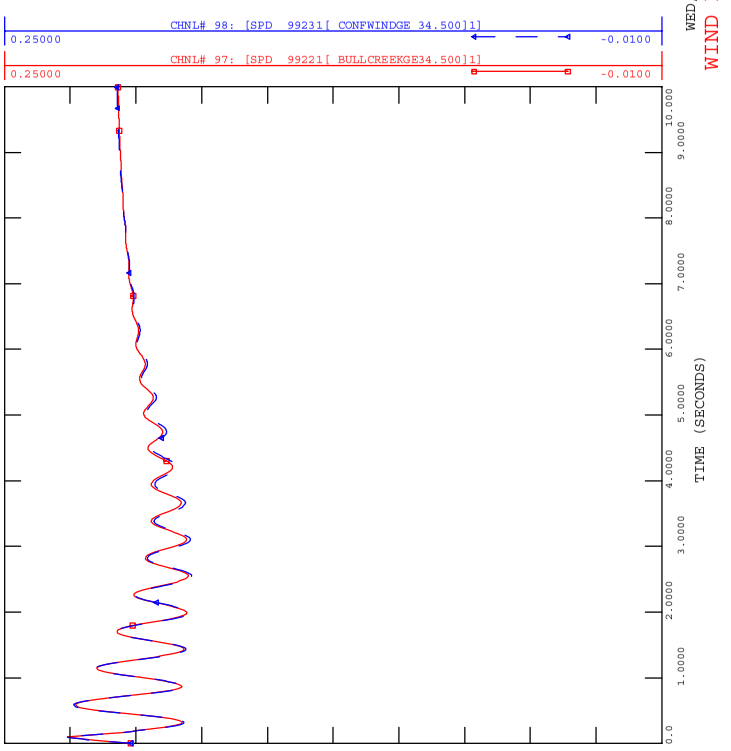


WED, DEC 23 2009 15:53

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

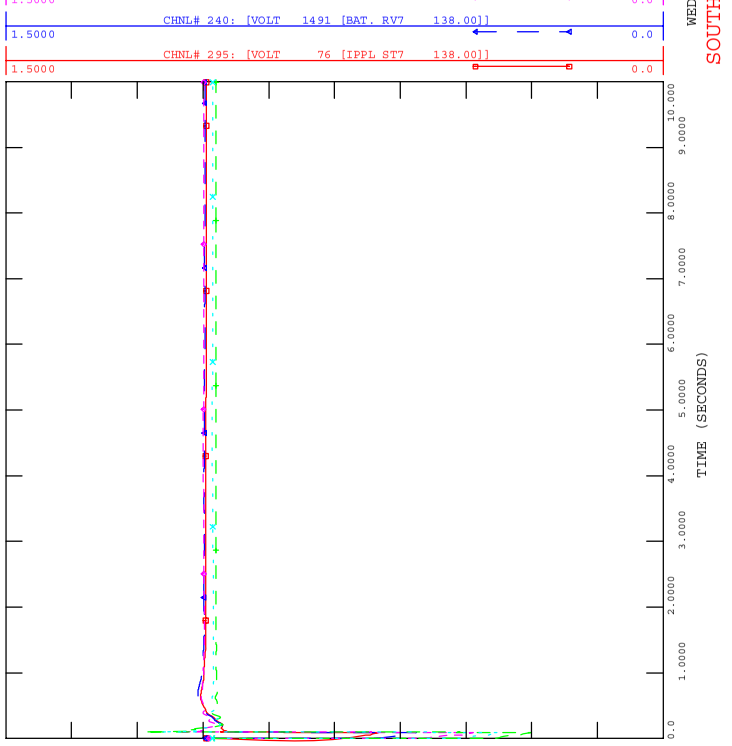


WED, DEC 23 2009 15:53

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

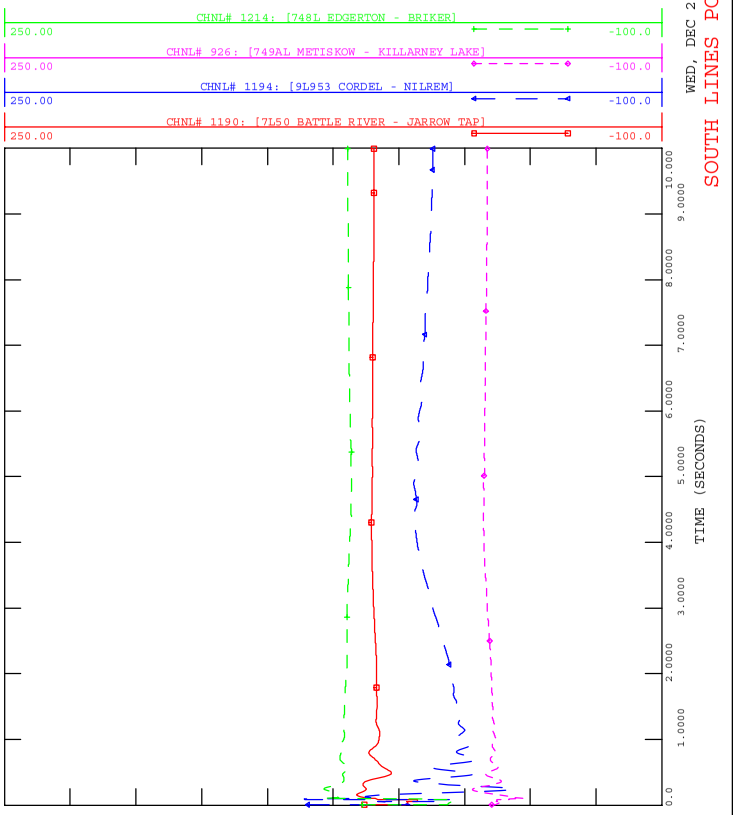


WED, DEC 23 2009 15:53

SOUTH BUS VOLTAGES

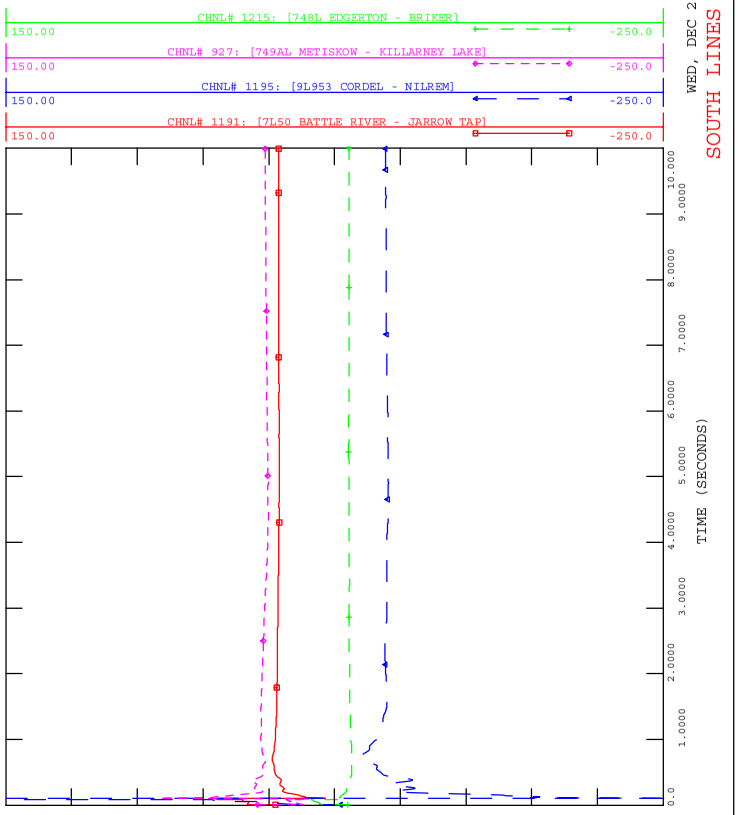
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out



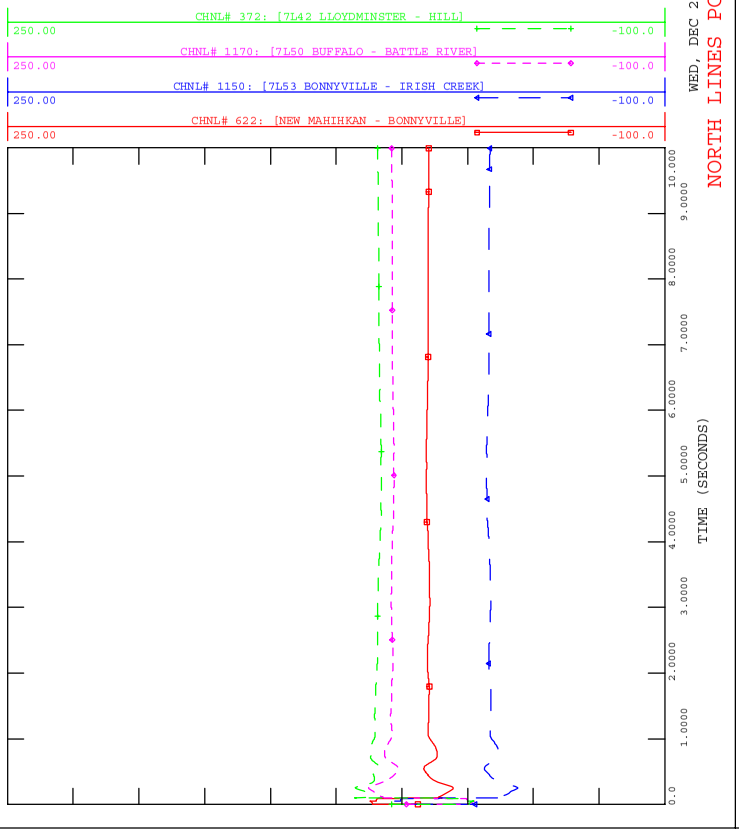
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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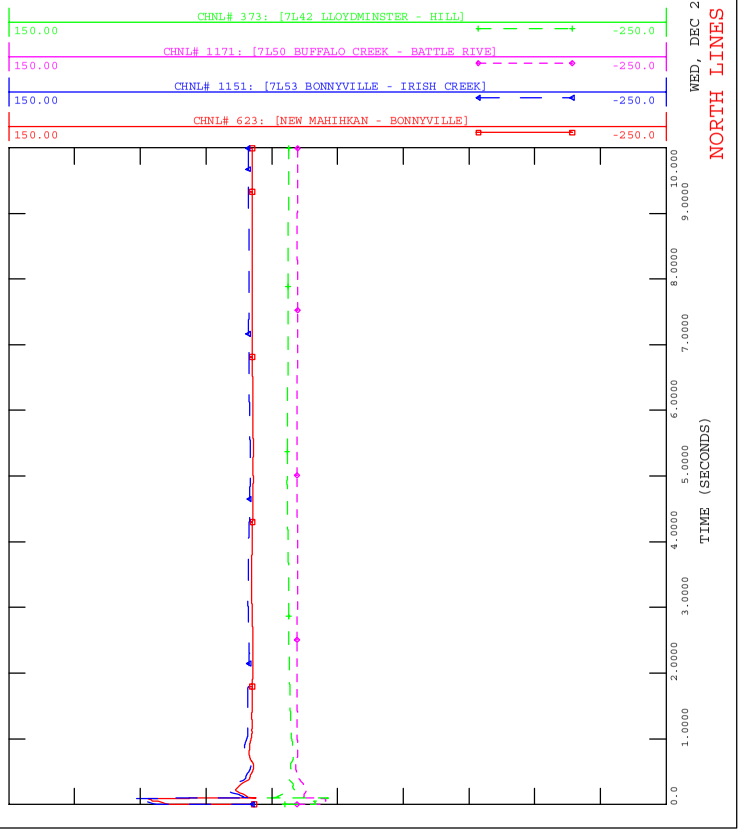
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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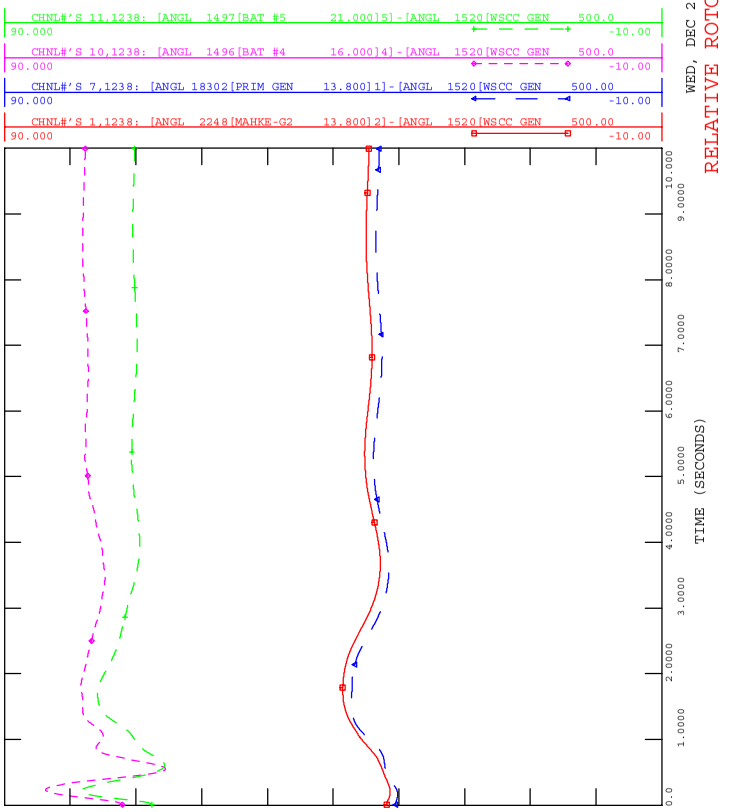


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

RELATIVE ROTOR ANGLES

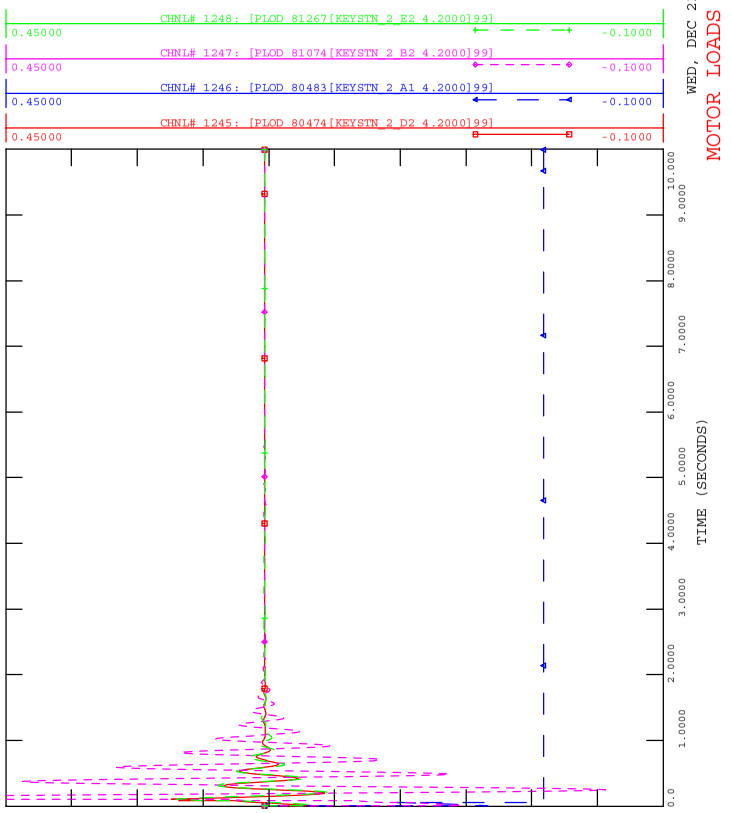


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

MOTOR LOADS GROUP II

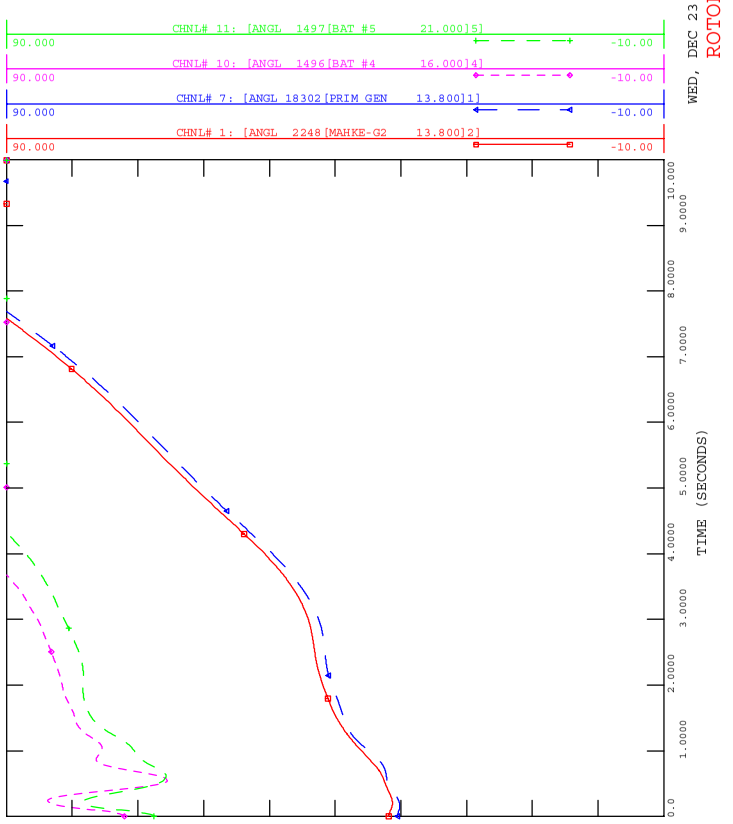


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

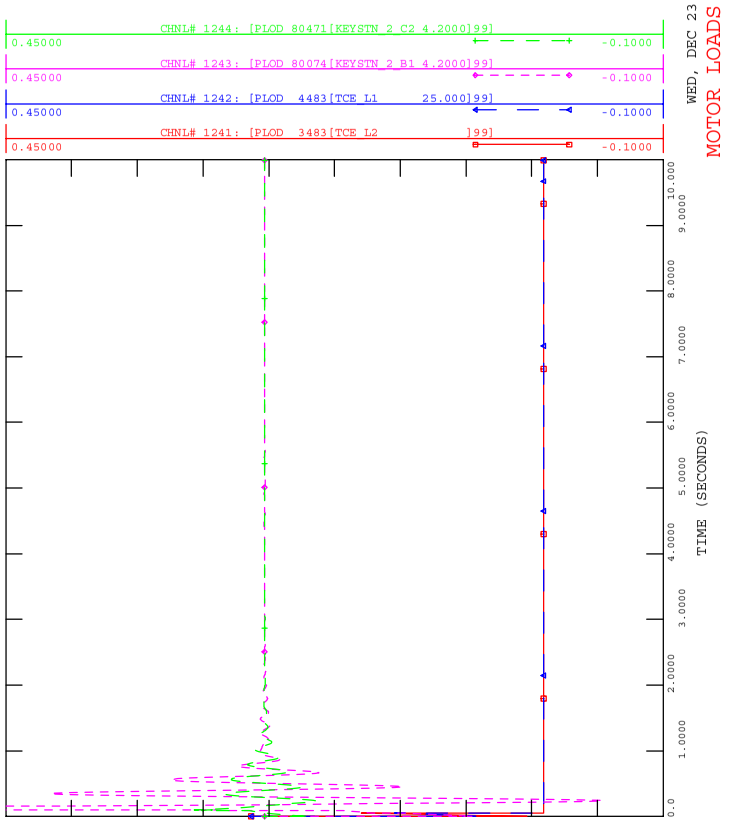


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

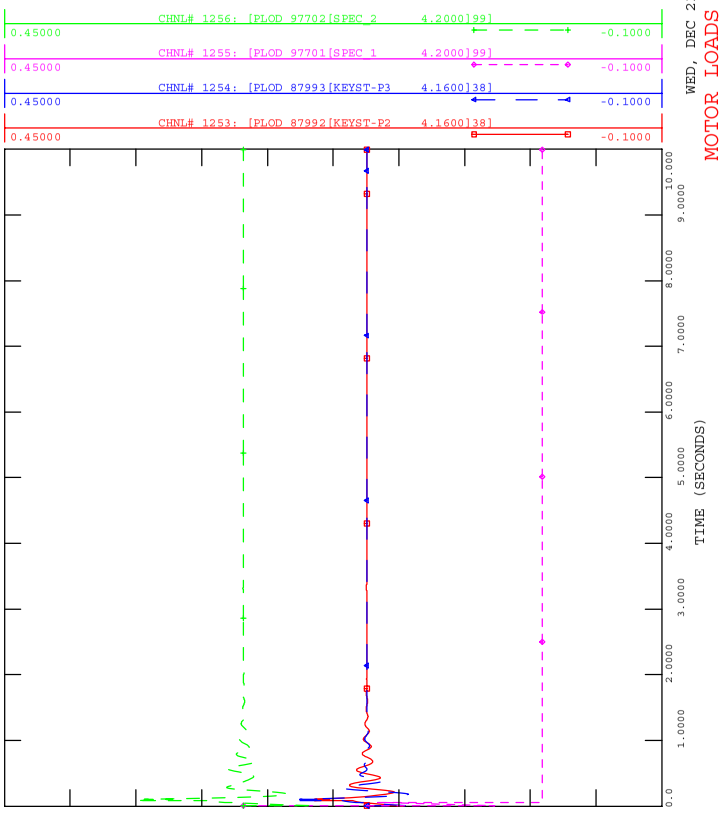
WED, DEC 23 2009 15:53

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out

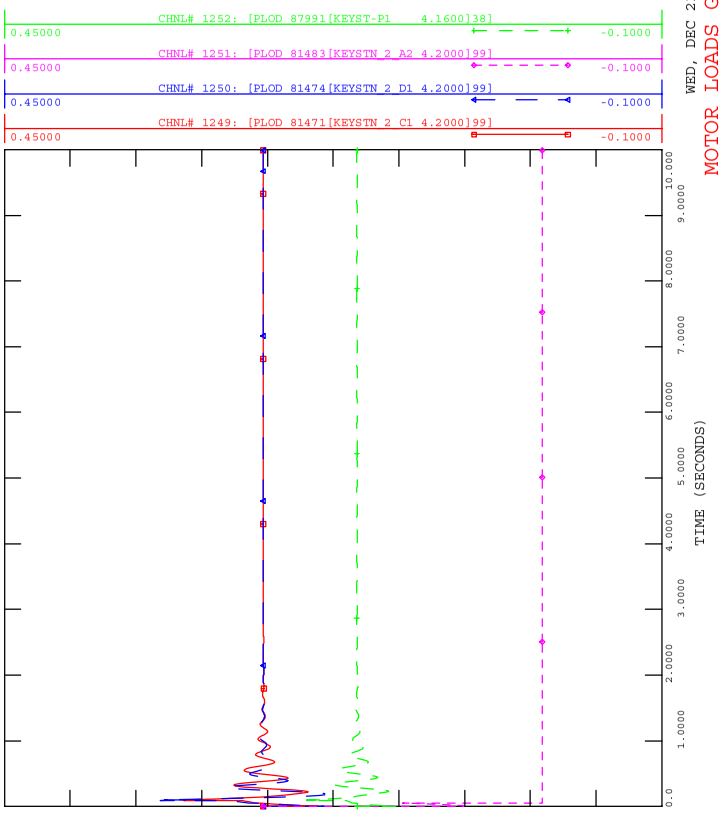


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C3-12fault.out



WED, DEC 23 2009 15:53

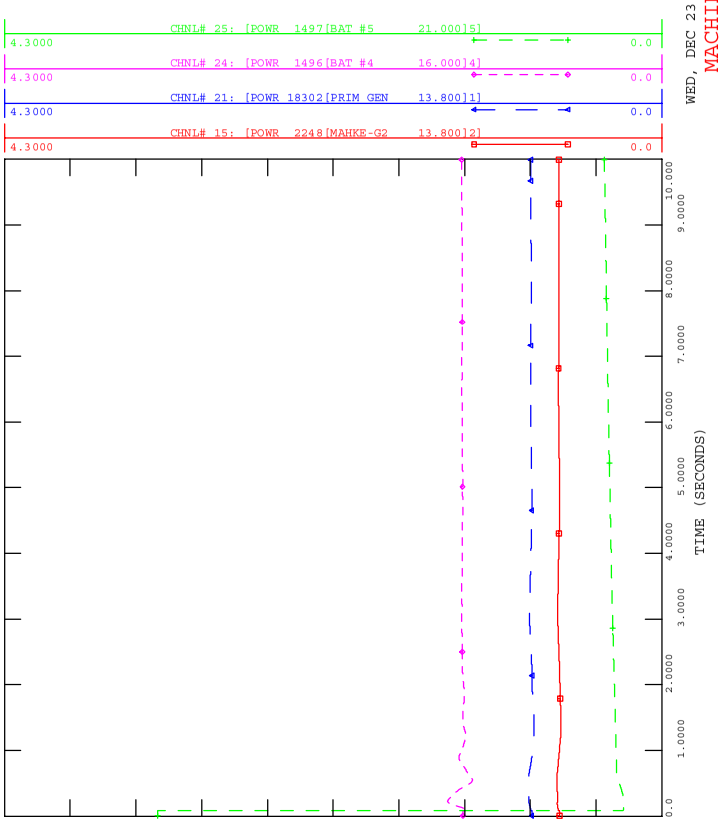
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

MACHINE POWER

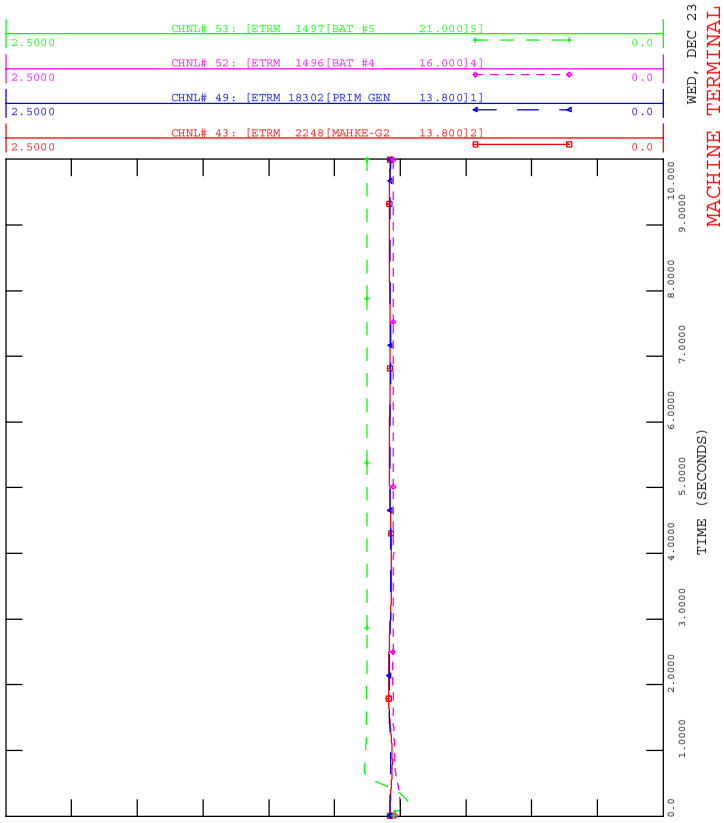


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

MACHINE TERMINAL VOLTAGE

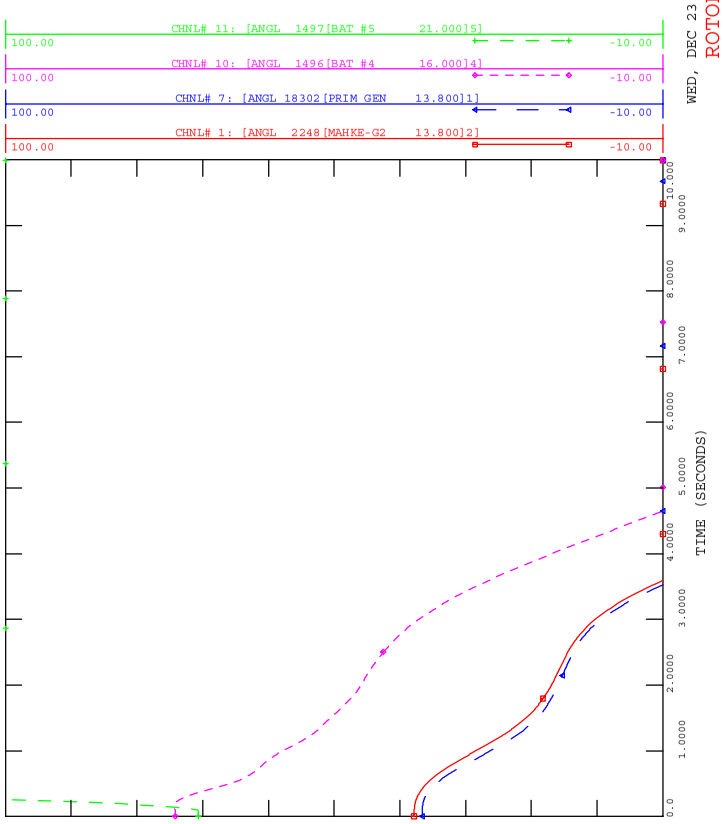


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

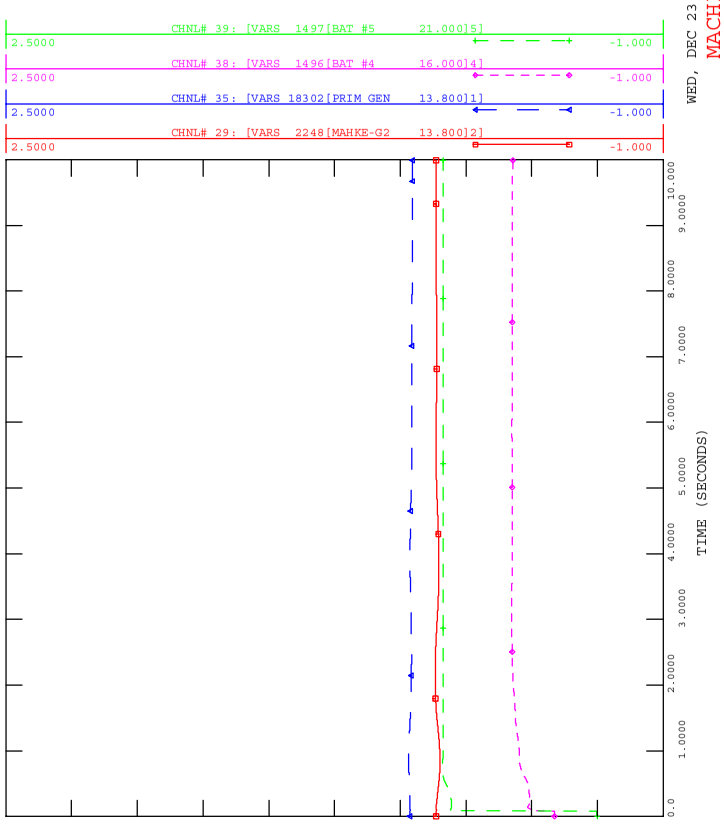


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

MACHINE VARS

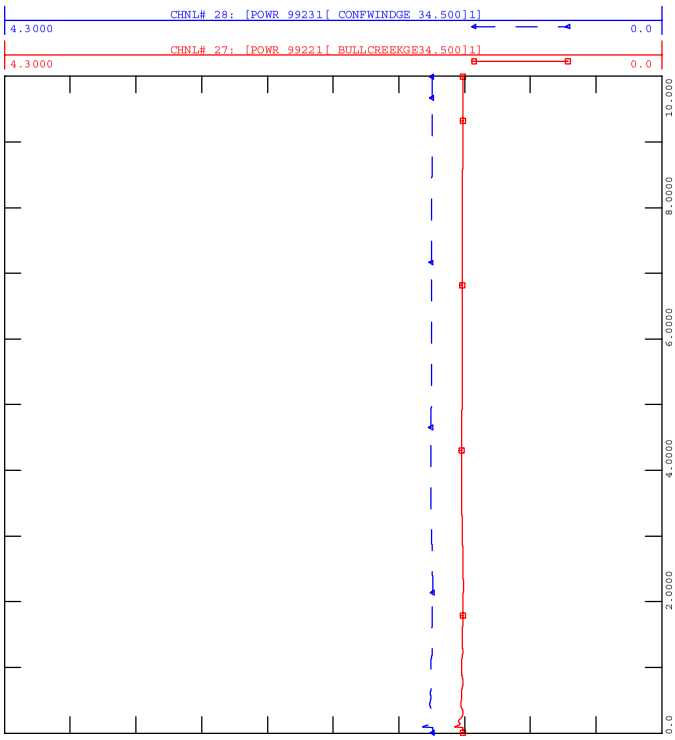


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

WIND MACHINE POWER

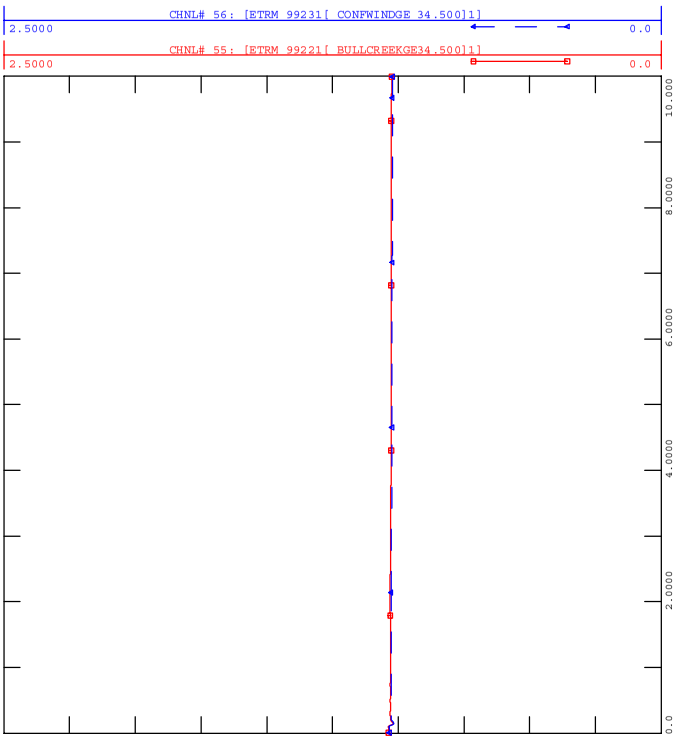


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

WIND MACH. TERMINAL VOLTS

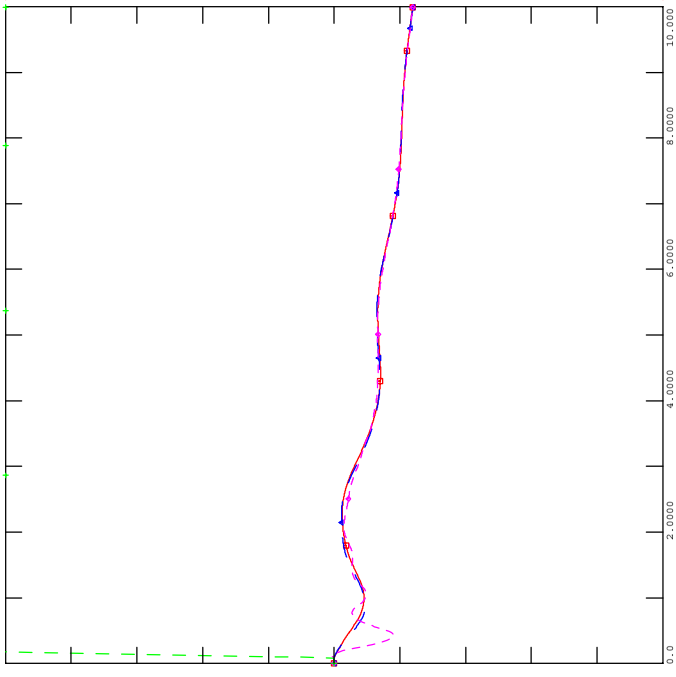


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

MACHINE SPEED

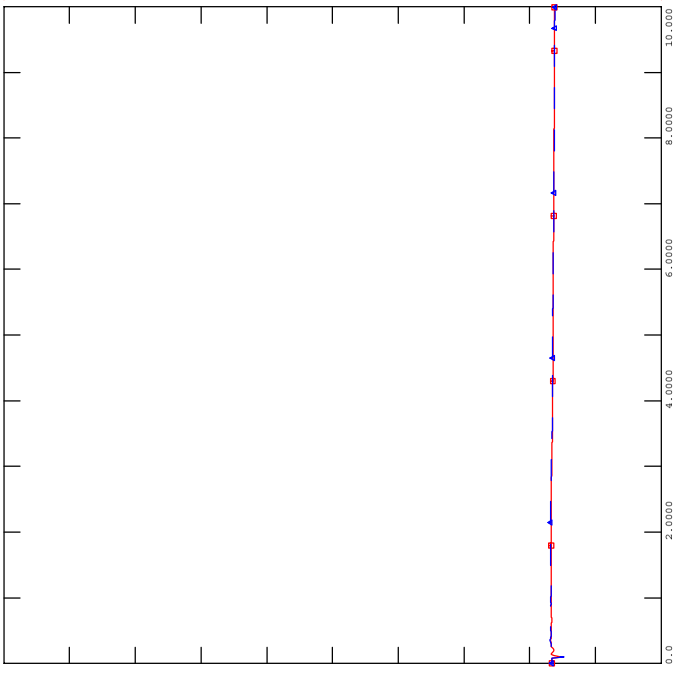


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

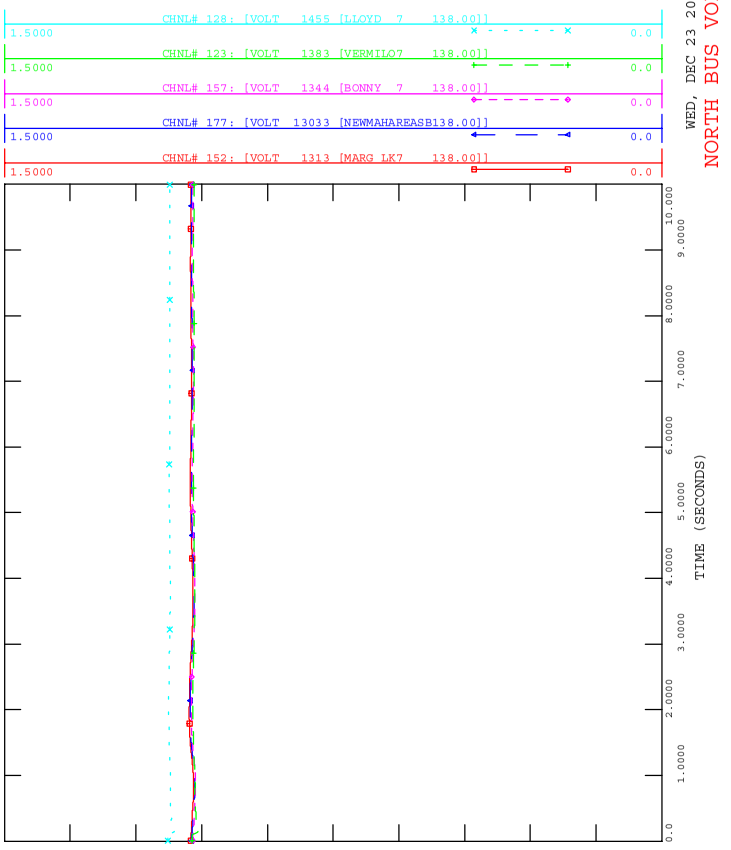
WED, DEC 23 2009 15:53

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

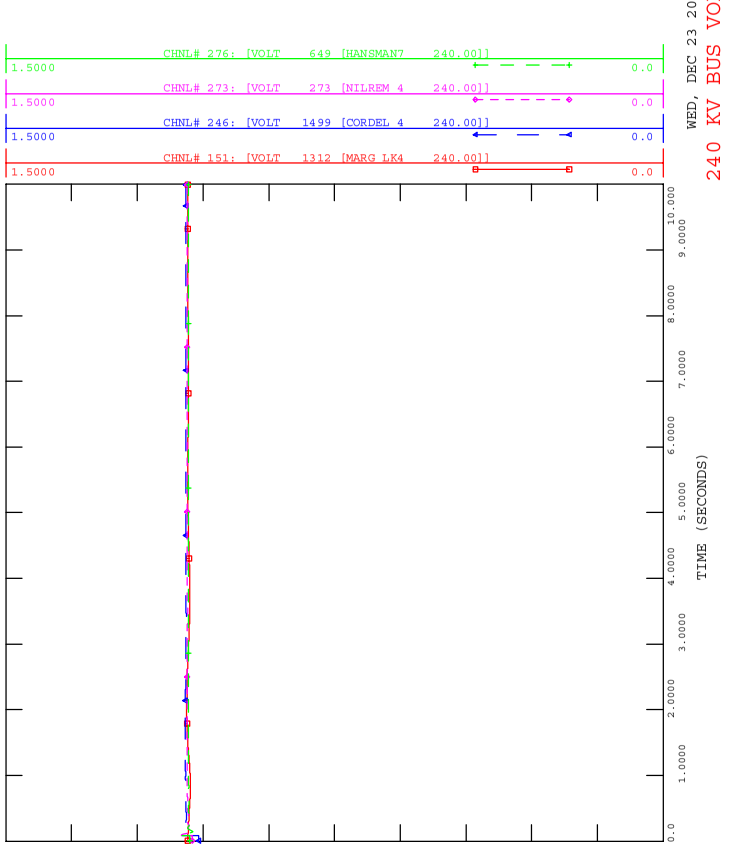


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

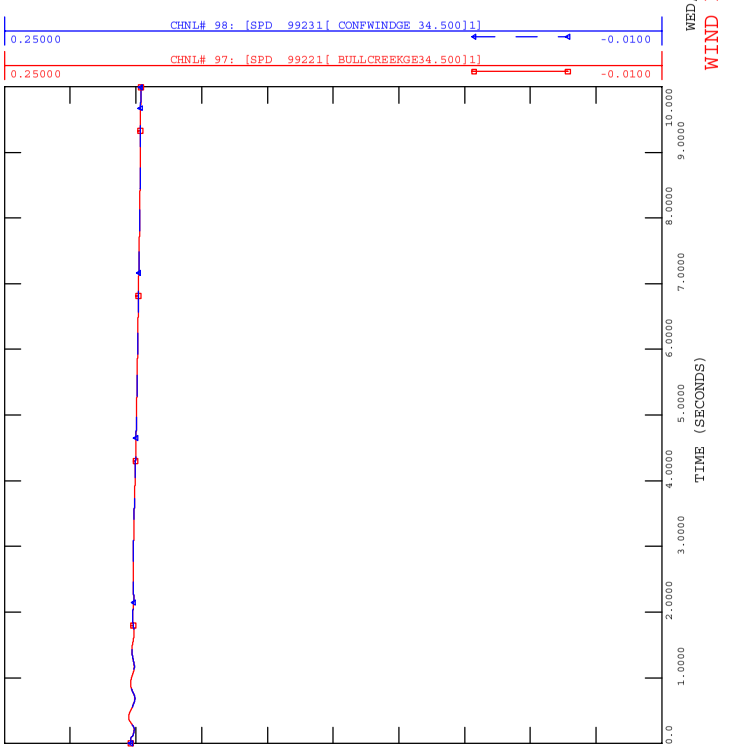


WED, DEC 23 2009 15:53

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

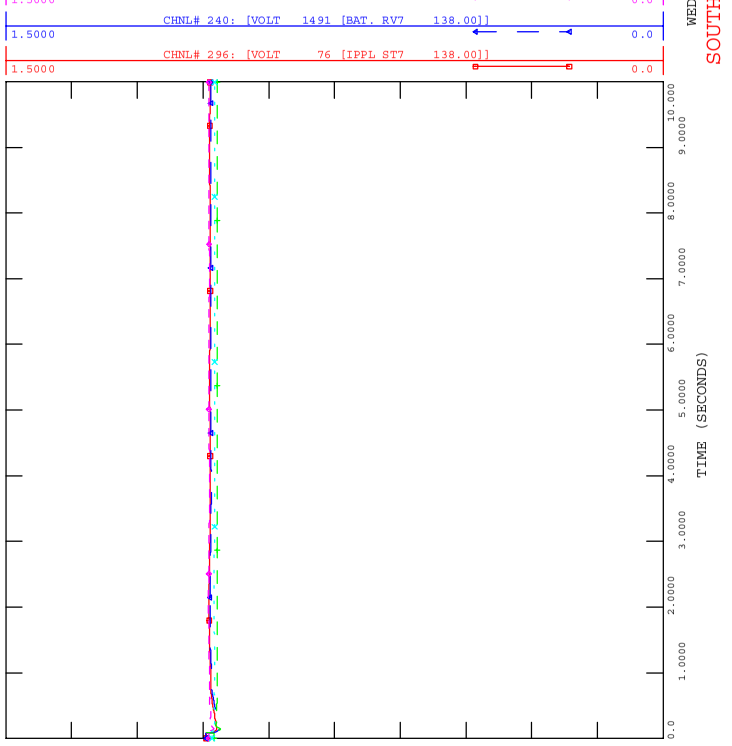


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

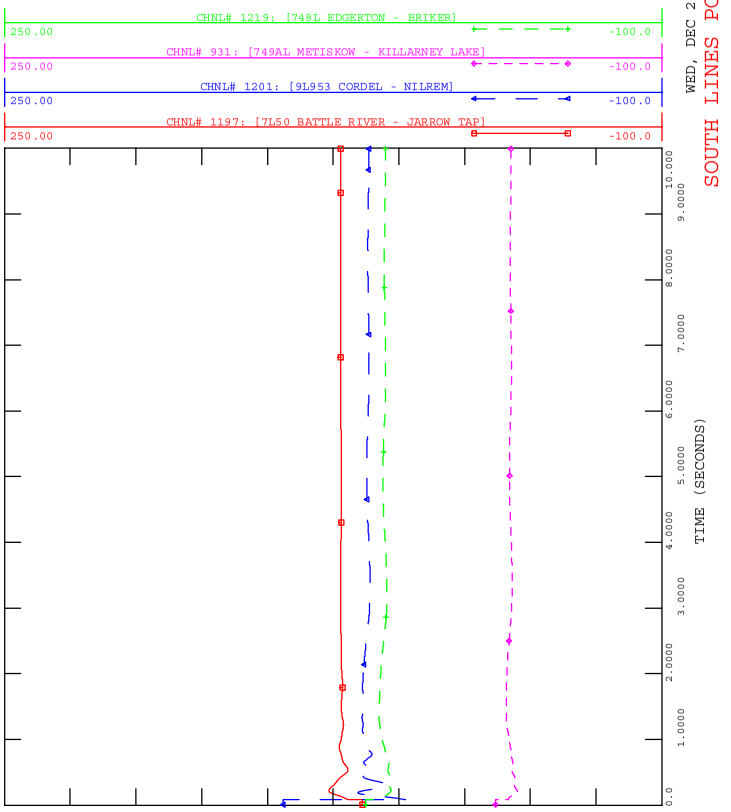


WED, DEC 23 2009 15:53

SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

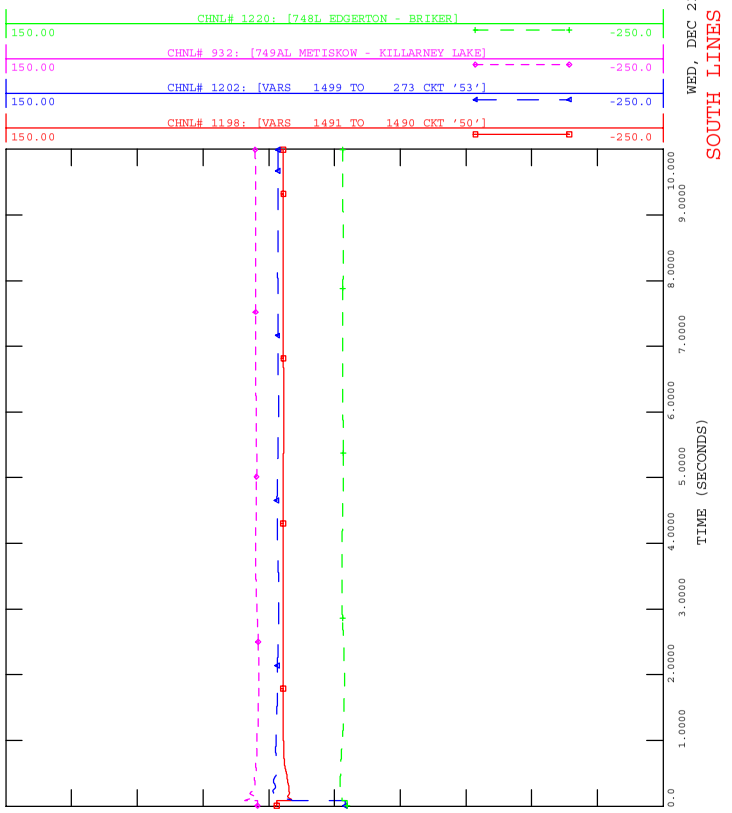


WED, DEC 23 2009 15:53

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

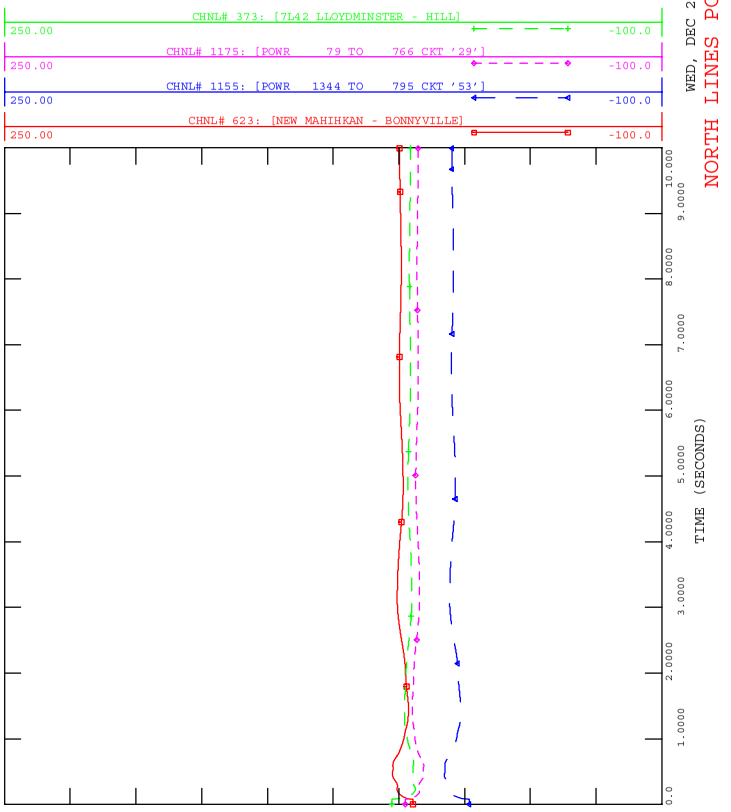


WED, DEC 23 2009 15:53

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

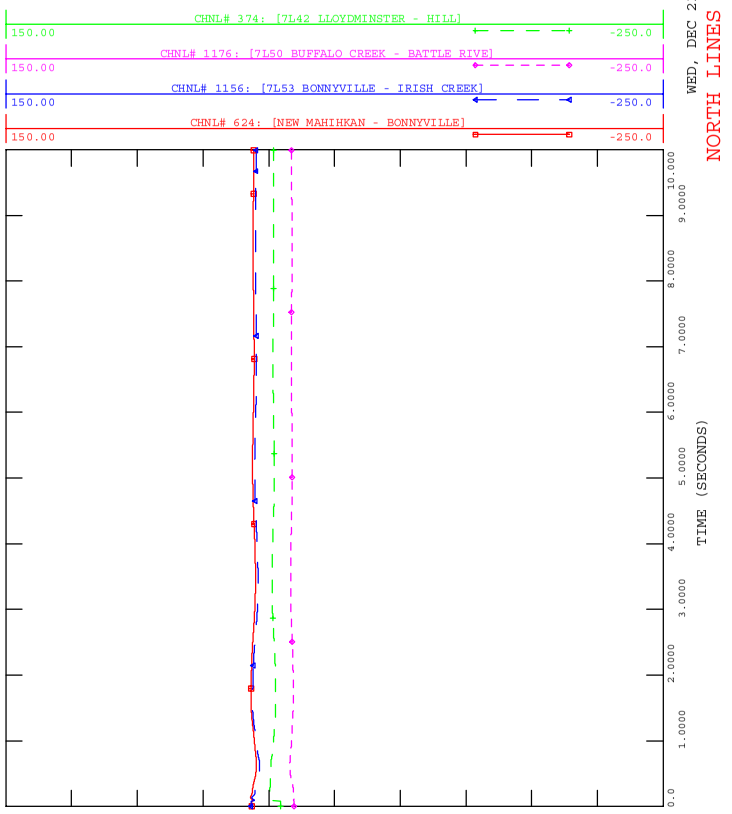


WED, DEC 23 2009 15:53

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out



WED, DEC 23 2009 15:53

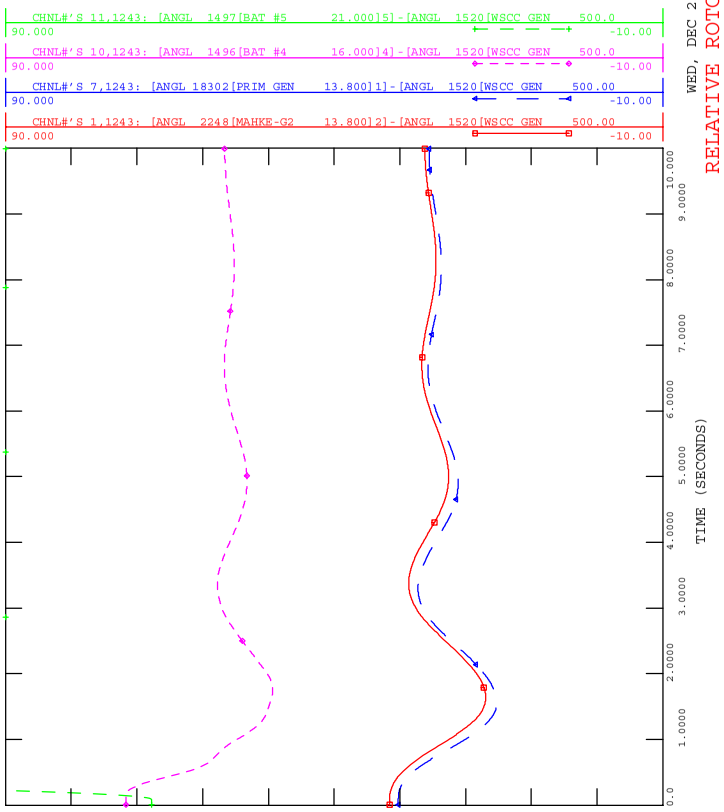
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

RELATIVE ROTOR ANGLES

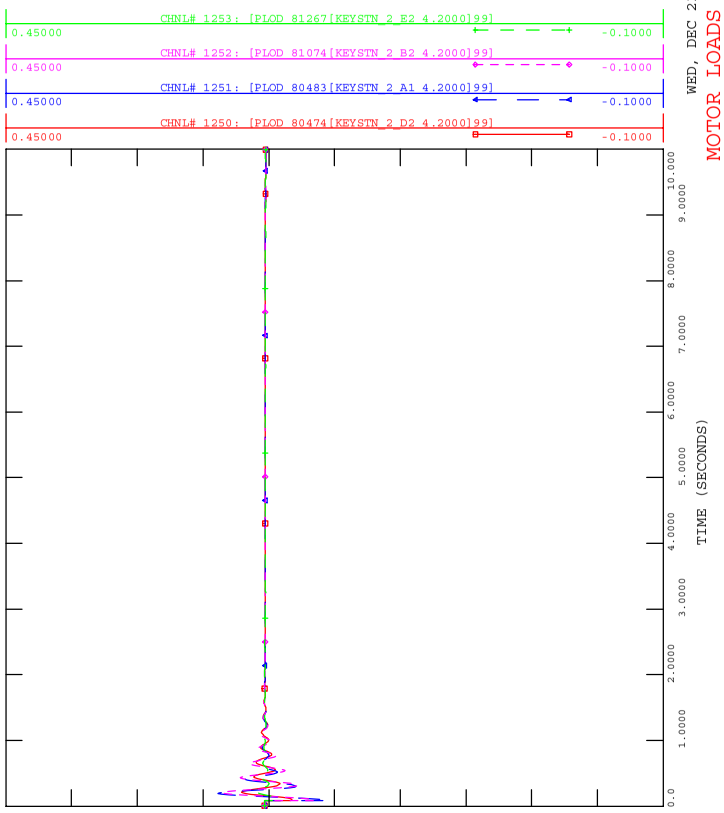


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

MOTOR LOADS GROUP II

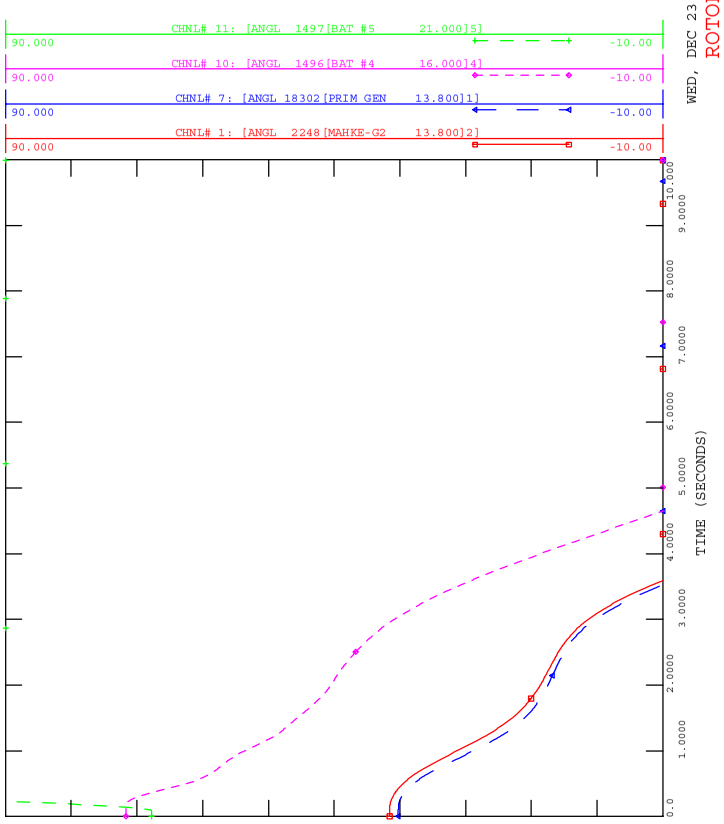


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

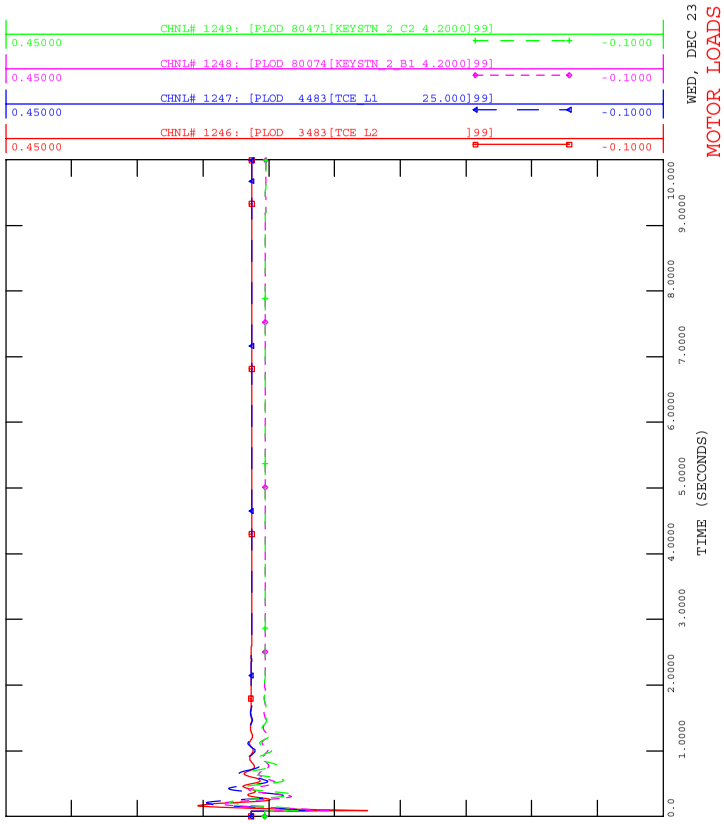


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

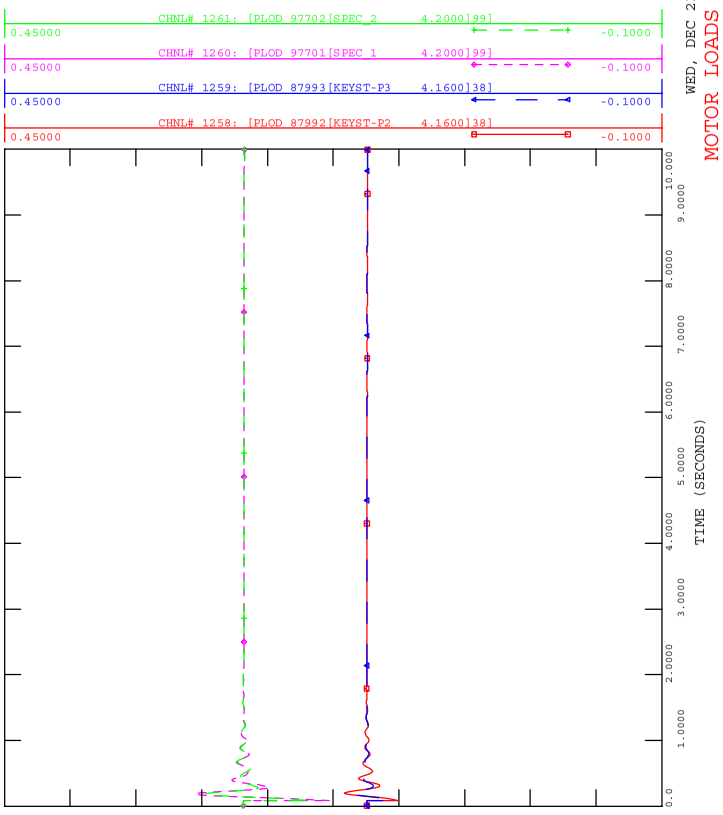
WED, DEC 23 2009 15:53

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out

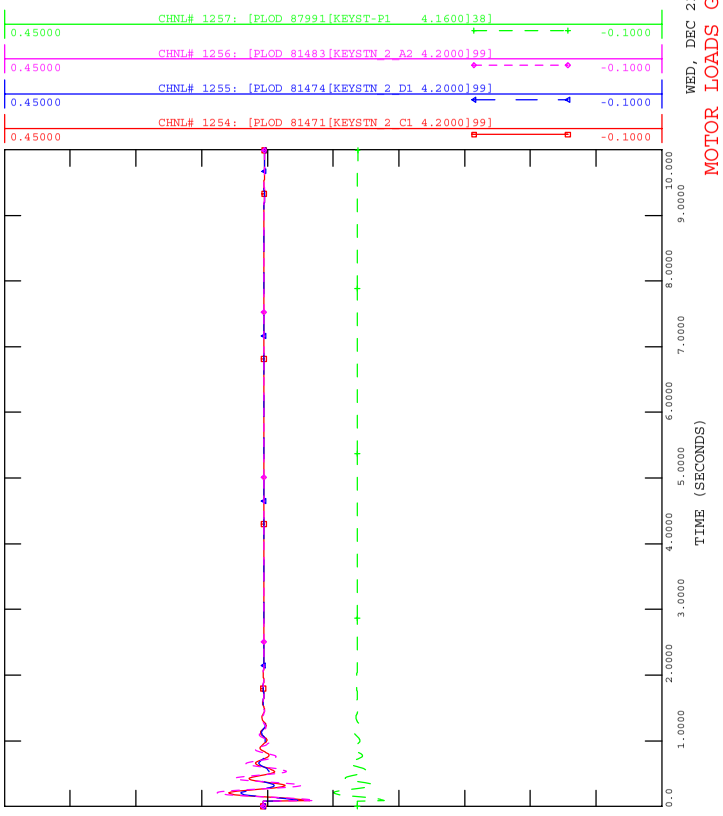


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-1fault.out



WED, DEC 23 2009 15:53

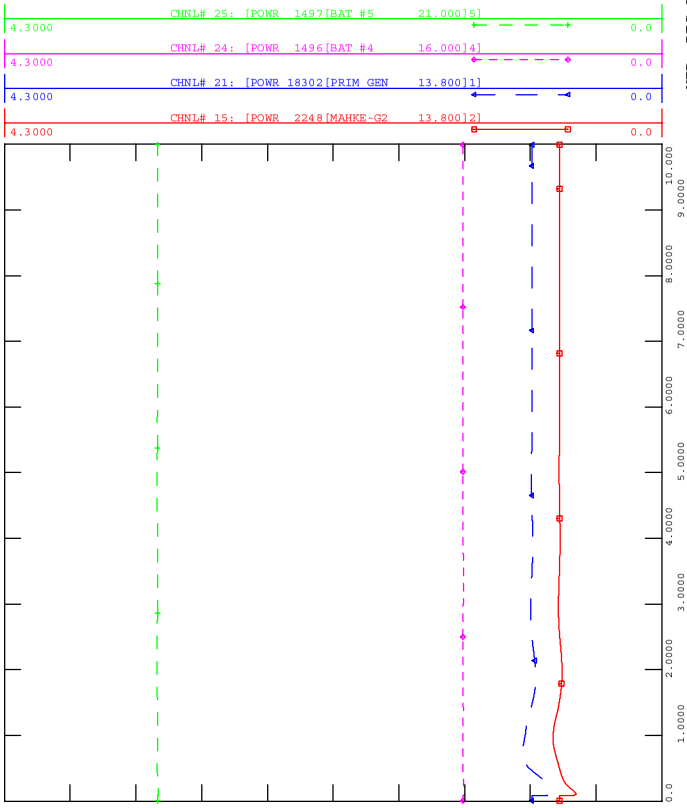
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

MACHINE POWER

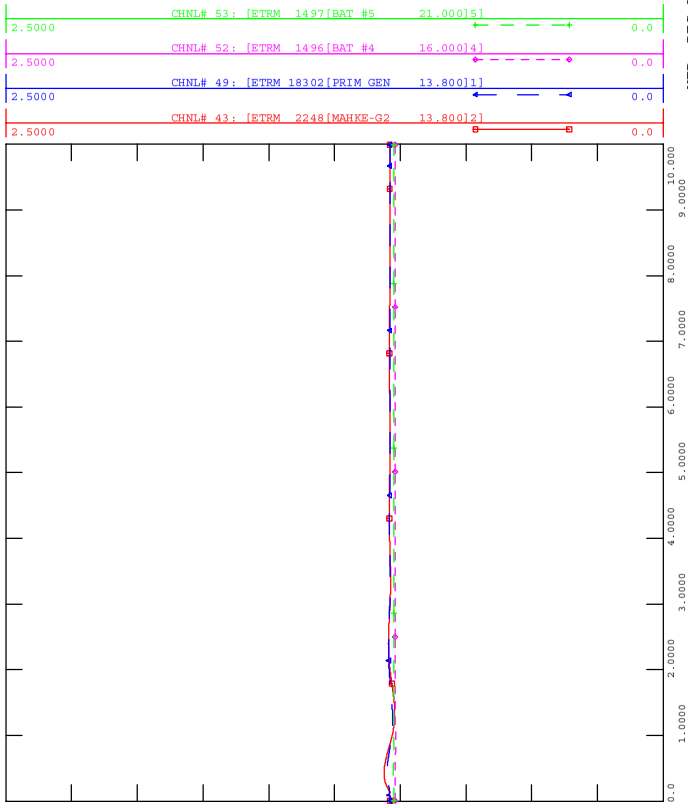


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

MACHINE TERMINAL VOLTAGE

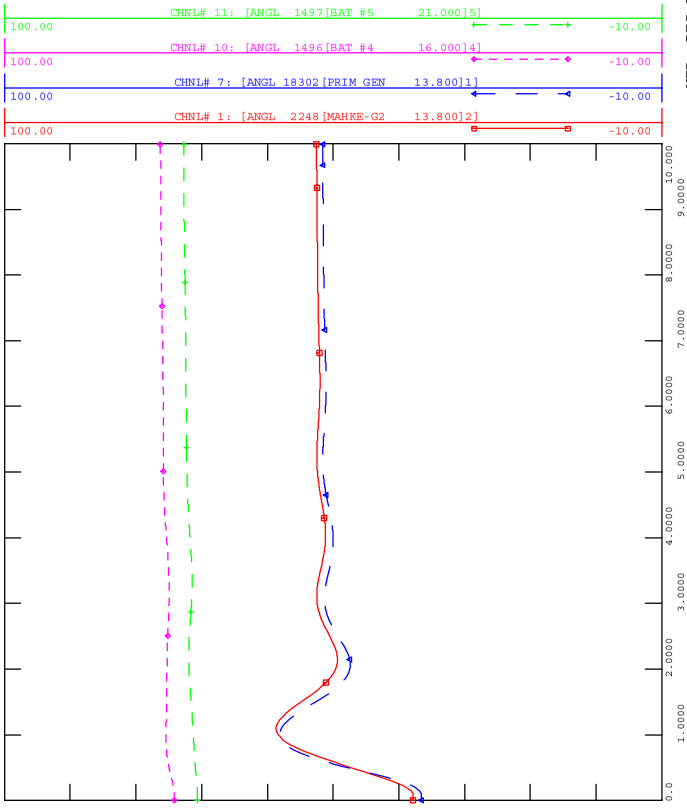


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

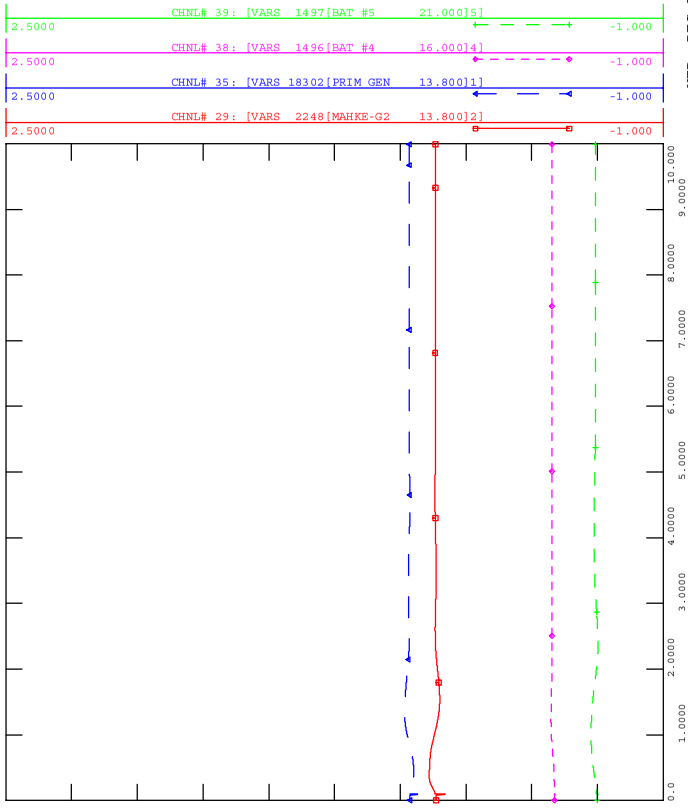


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

MACHINE VARS

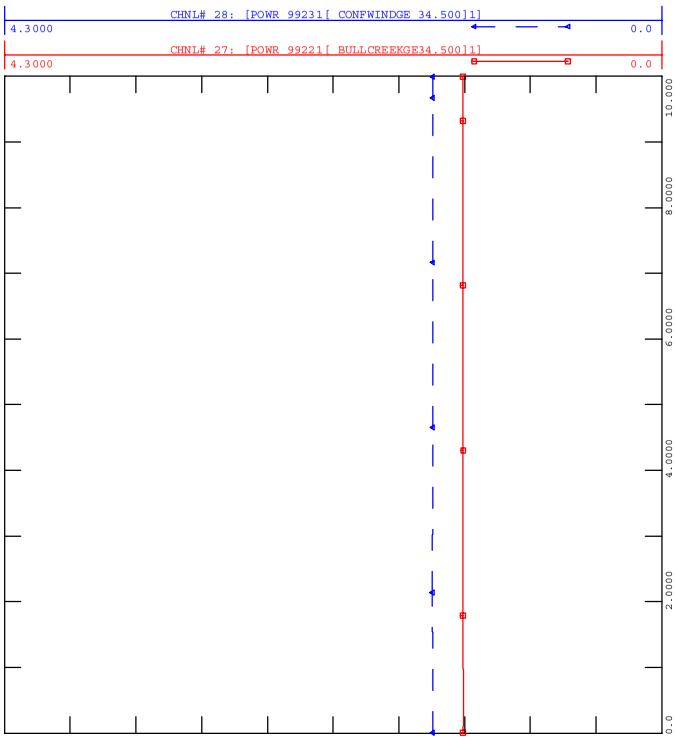


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

WIND MACHINE POWER

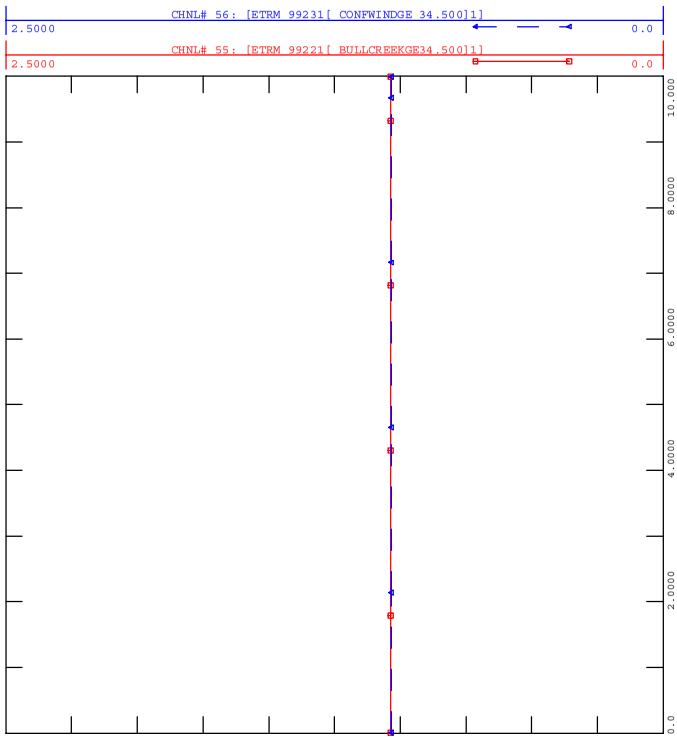


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

WIND MACH. TERMINAL VOLTS

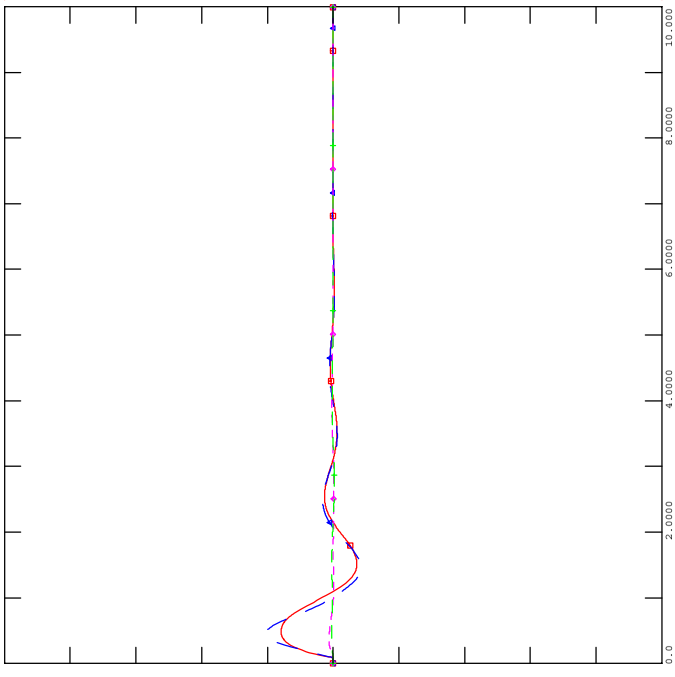


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

MACHINE SPEED

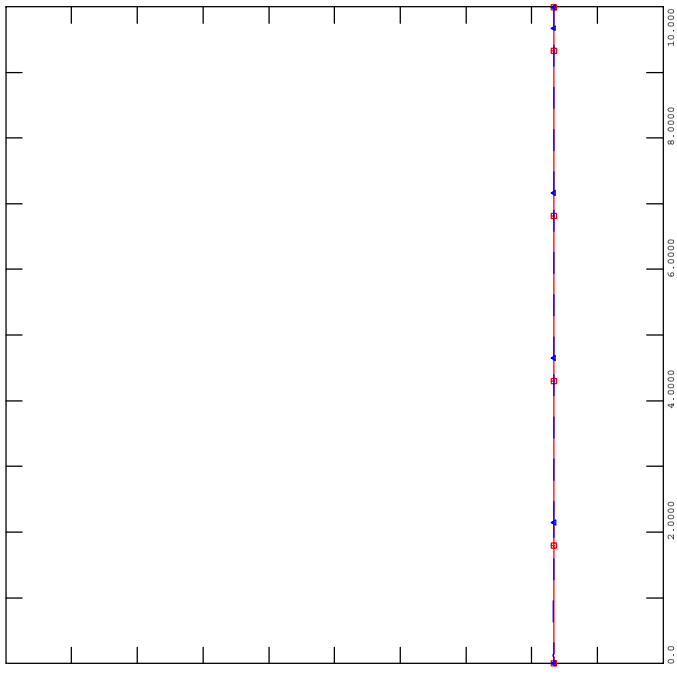


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

WIND MACHINE VARS

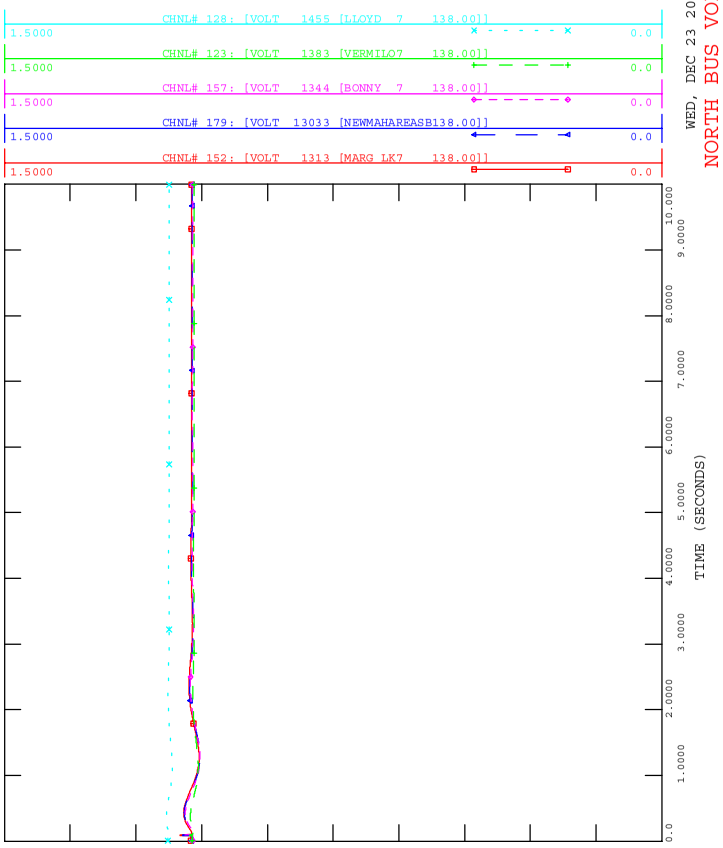


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

NORTH BUS VOLTAGES

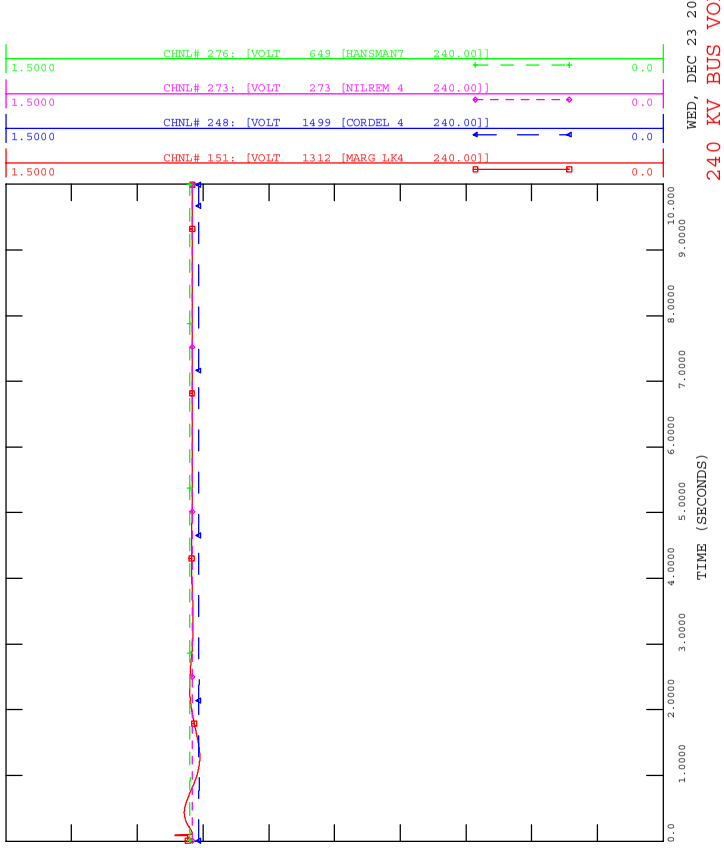


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

240 KV BUS VOLTAGES

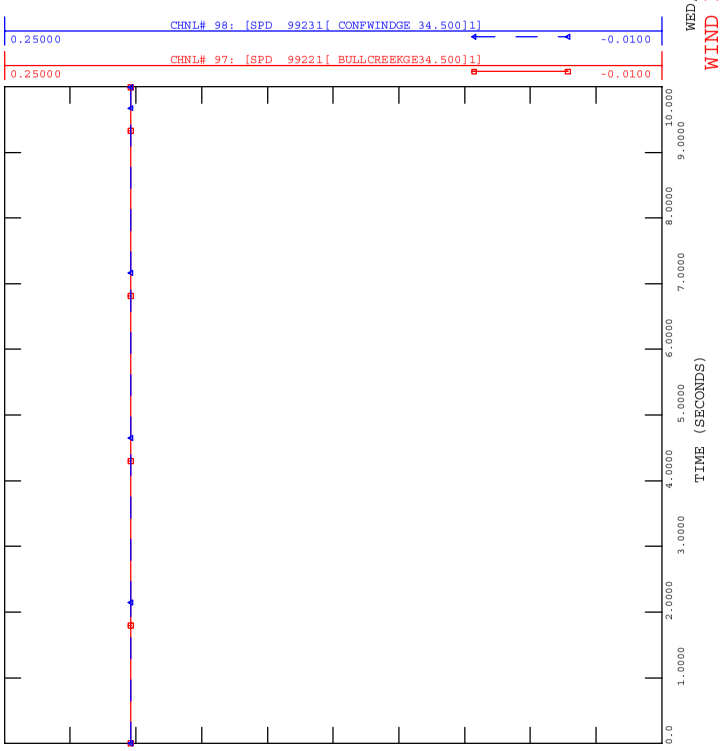


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

WED, DEC 23 2009 15:53

WIND MACHINE SPEED

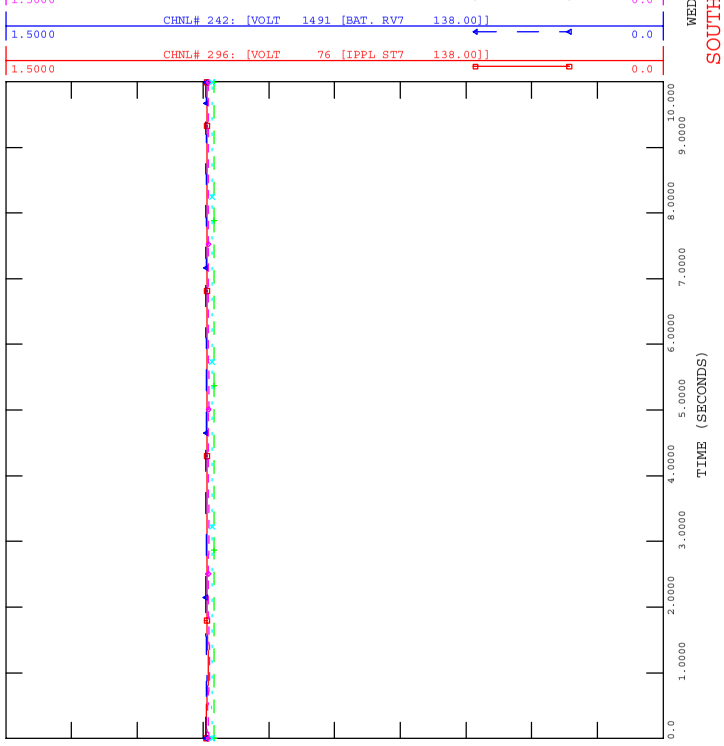


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

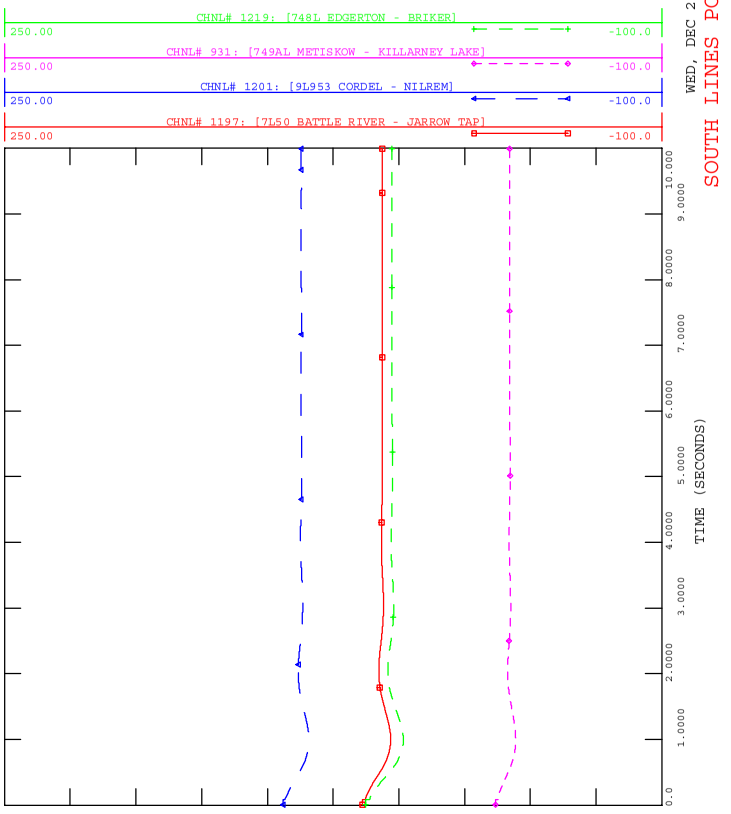
WED, DEC 23 2009 15:53

SOUTH BUS VOLTAGES



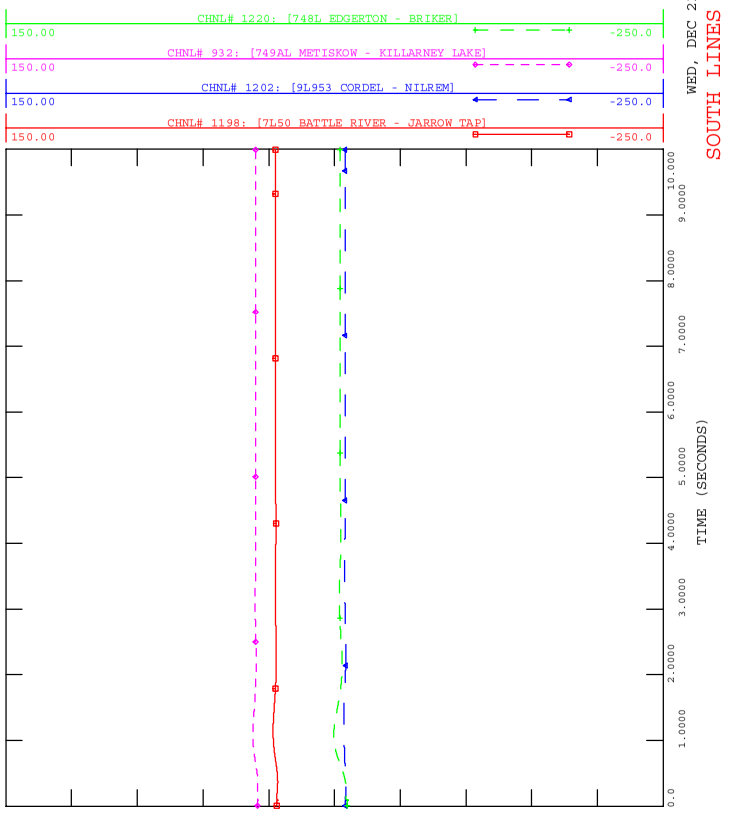
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out



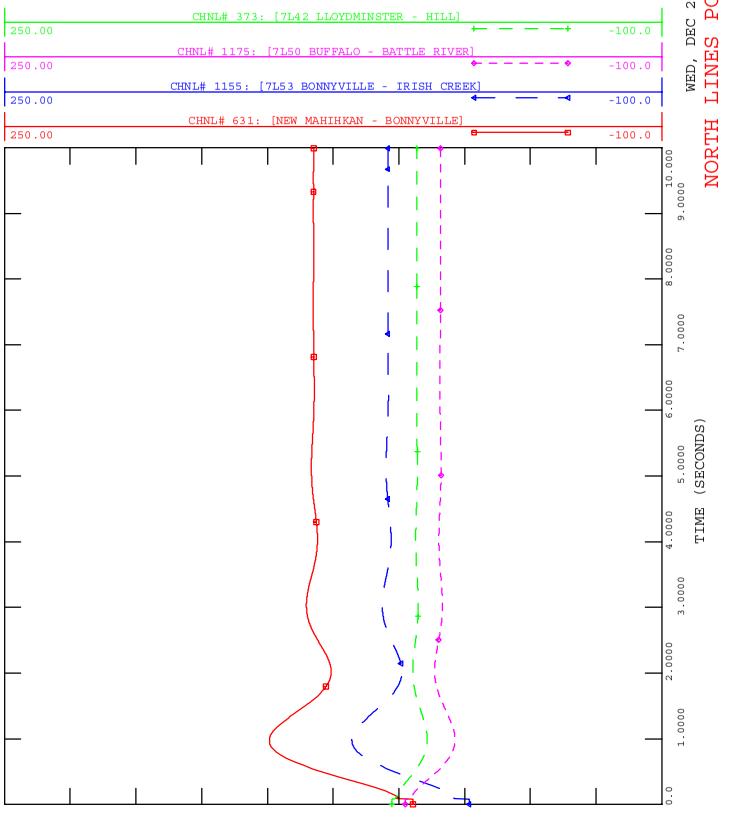
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out



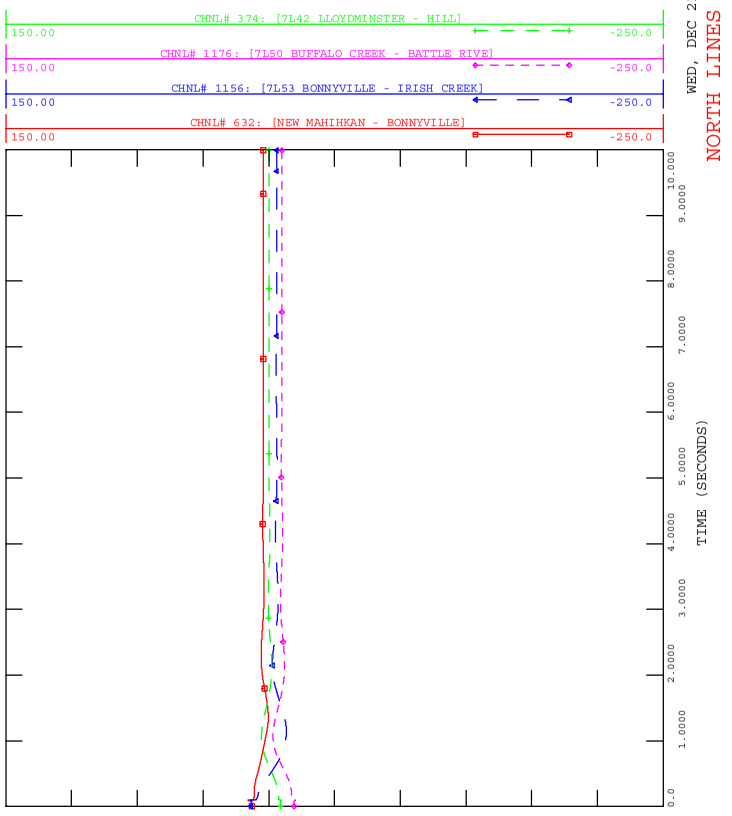
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out



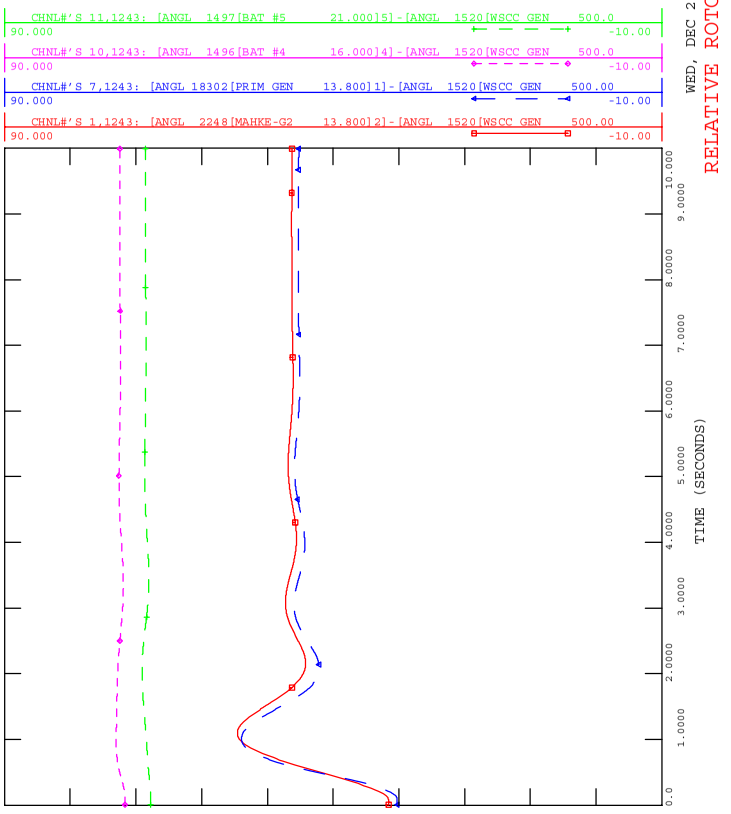
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

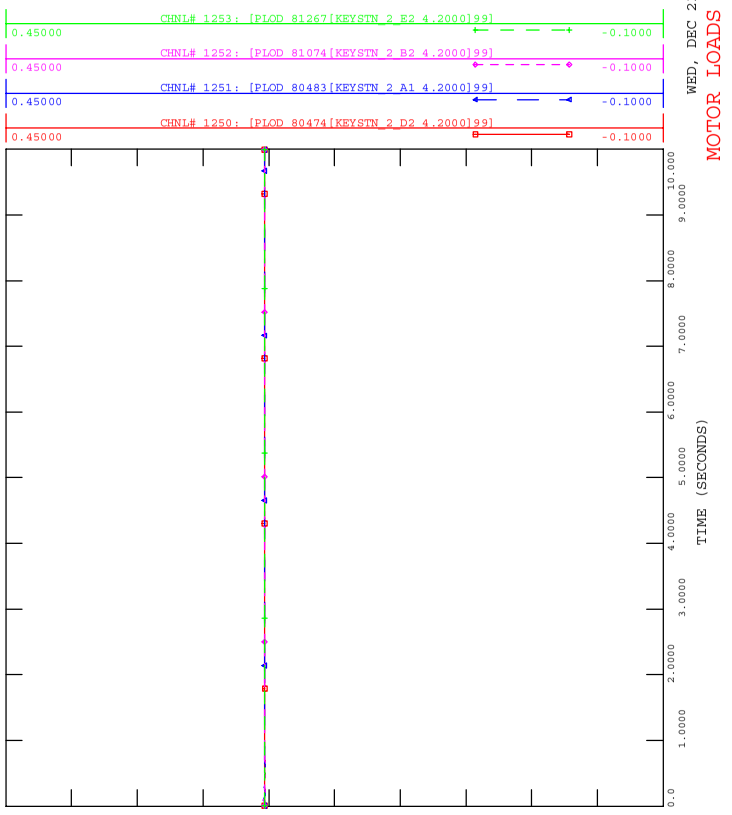


WED, DEC 23 2009 15:53

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out

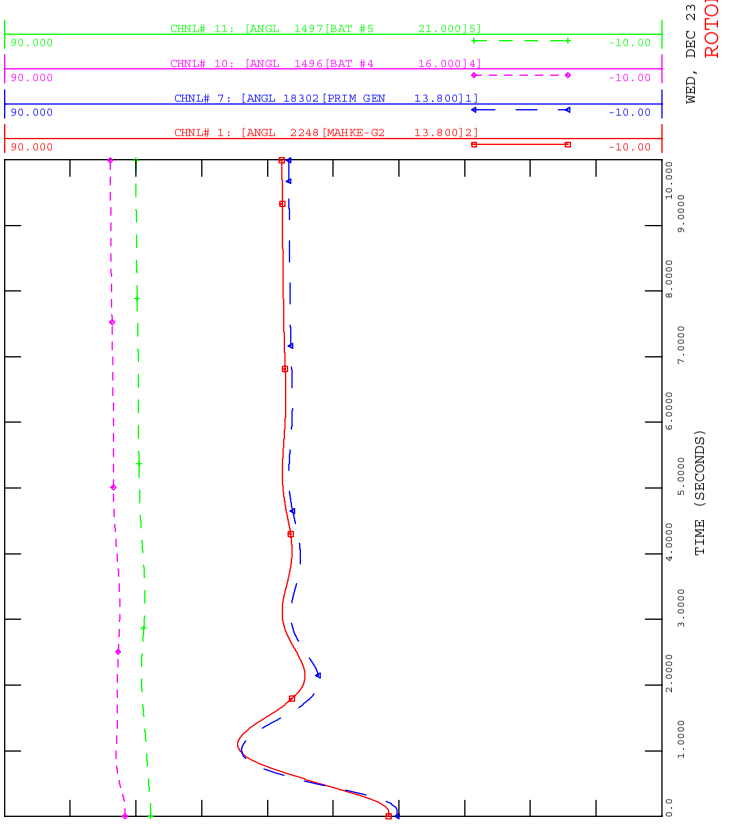


WED, DEC 23 2009 15:53

MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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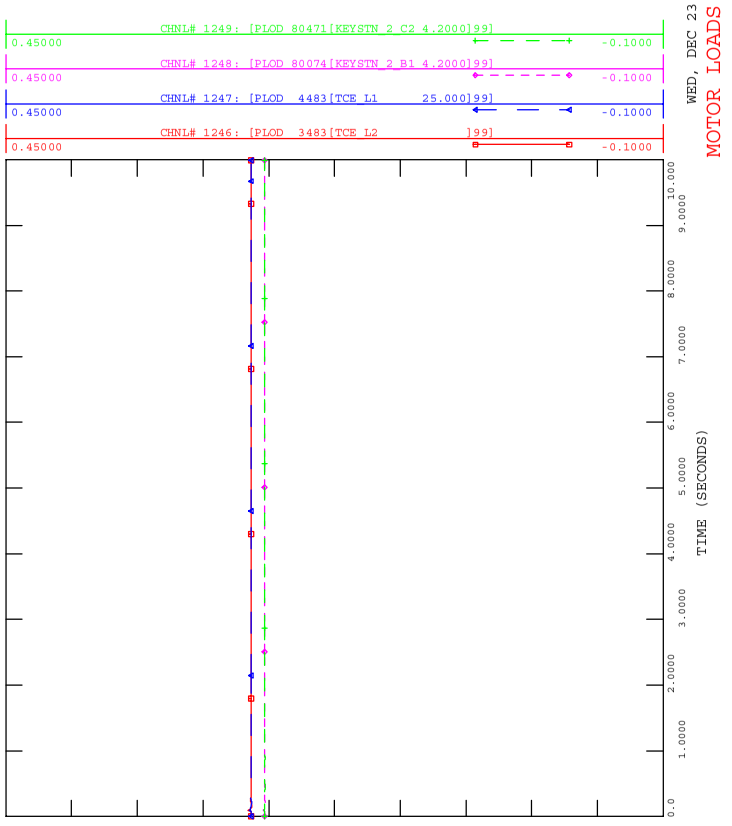


WED, DEC 23 2009 15:53

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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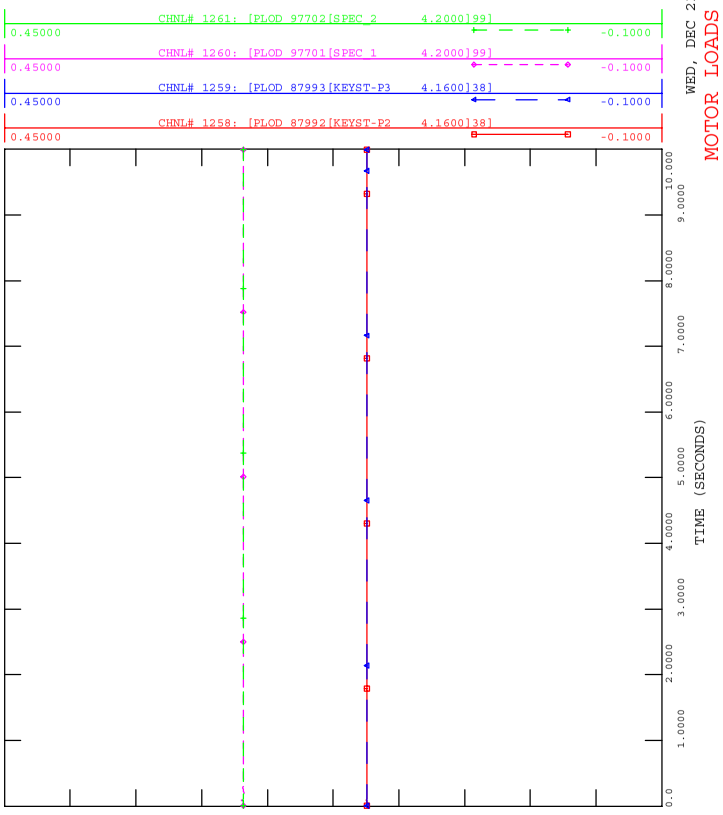


WED, DEC 23 2009 15:53

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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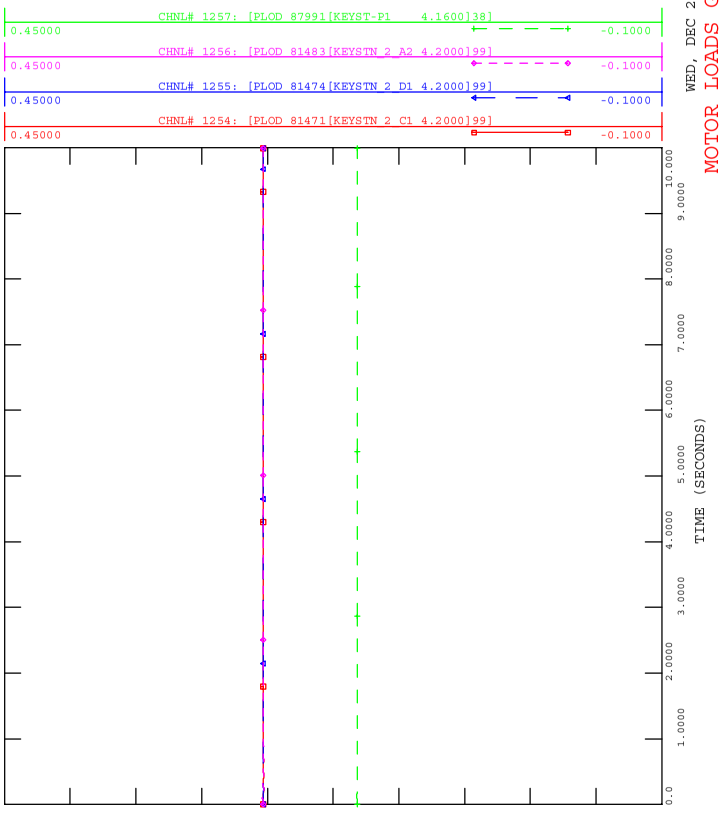


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-2fault.out



WED, DEC 23 2009 15:53

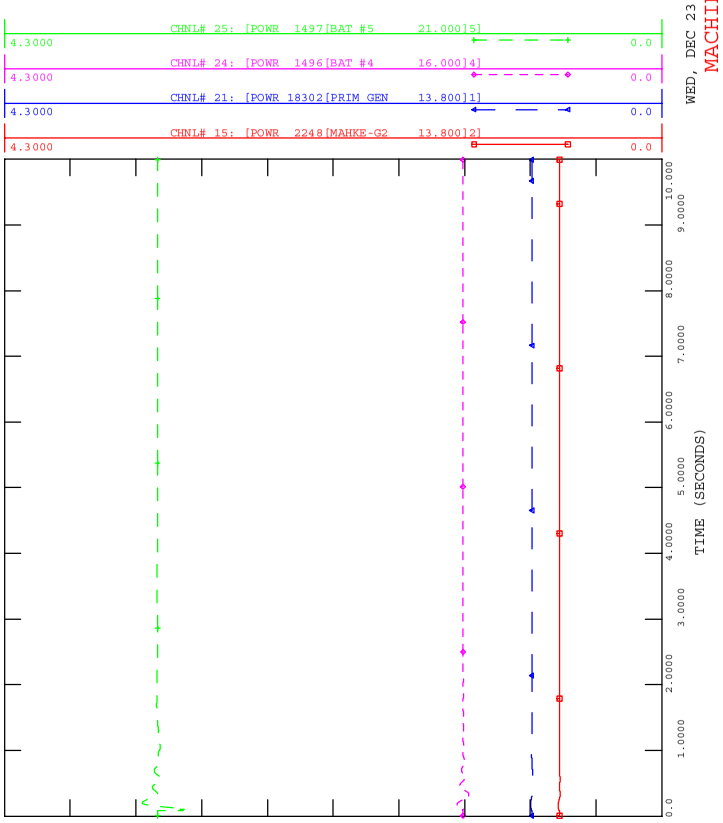
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

WED, DEC 23 2009 15:53

MACHINE POWER

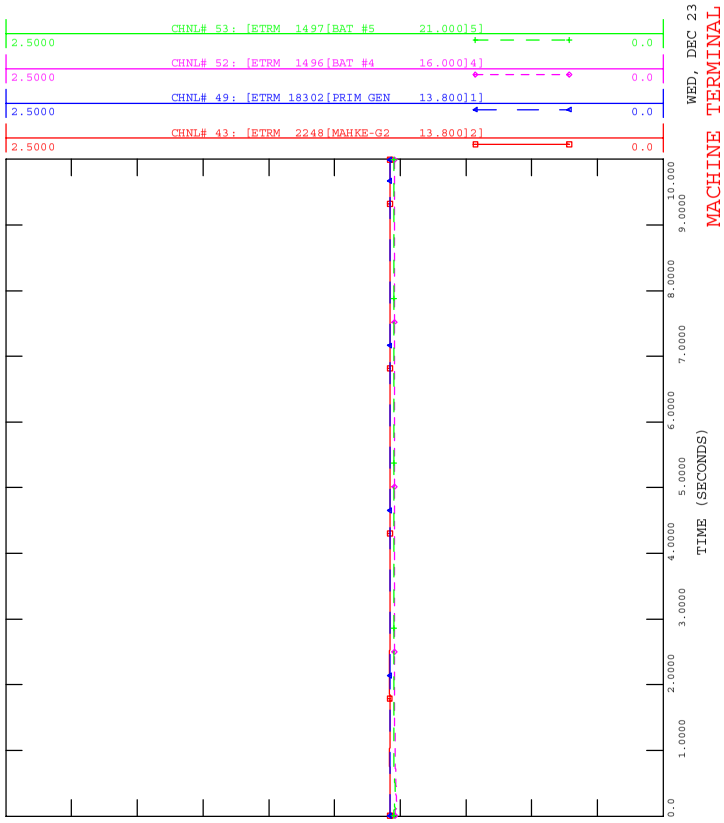


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

WED, DEC 23 2009 15:53

MACHINE TERMINAL VOLTAGE

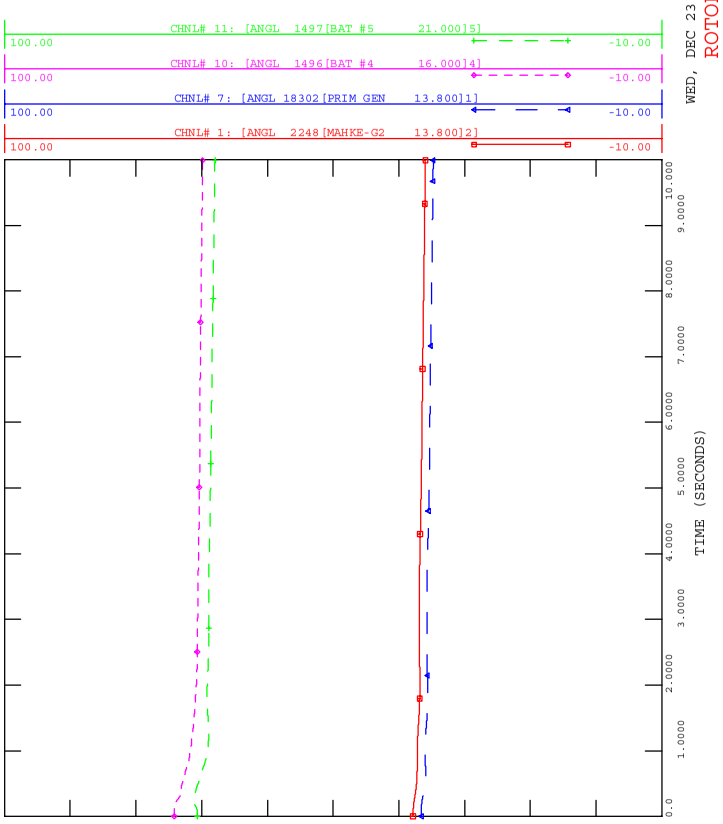


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

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ROTOR ANGLES

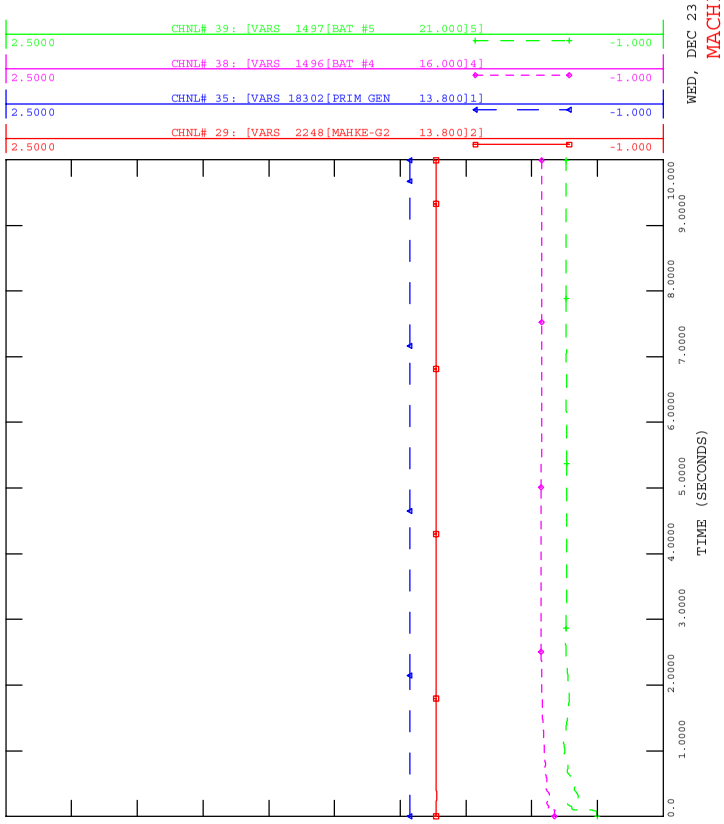


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

WED, DEC 23 2009 15:53

MACHINE VARS

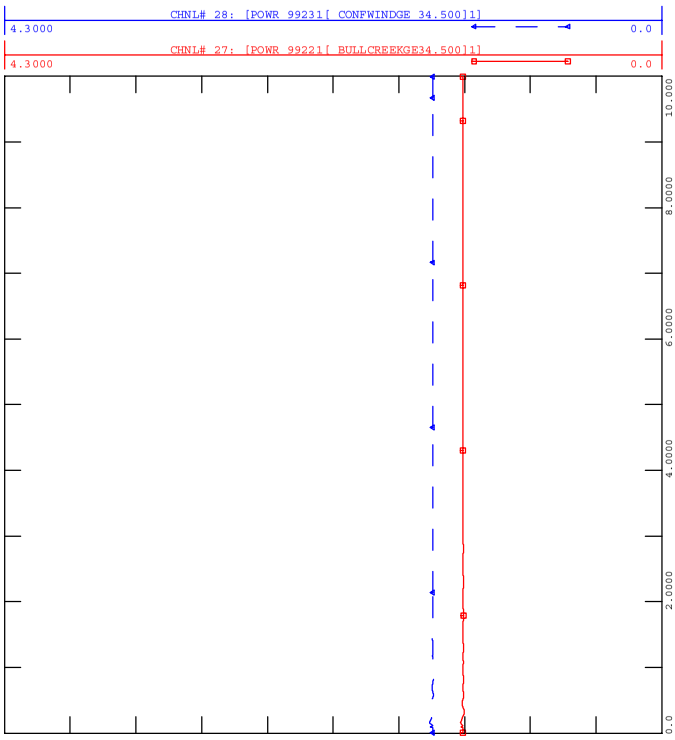


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

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WIND MACHINE POWER

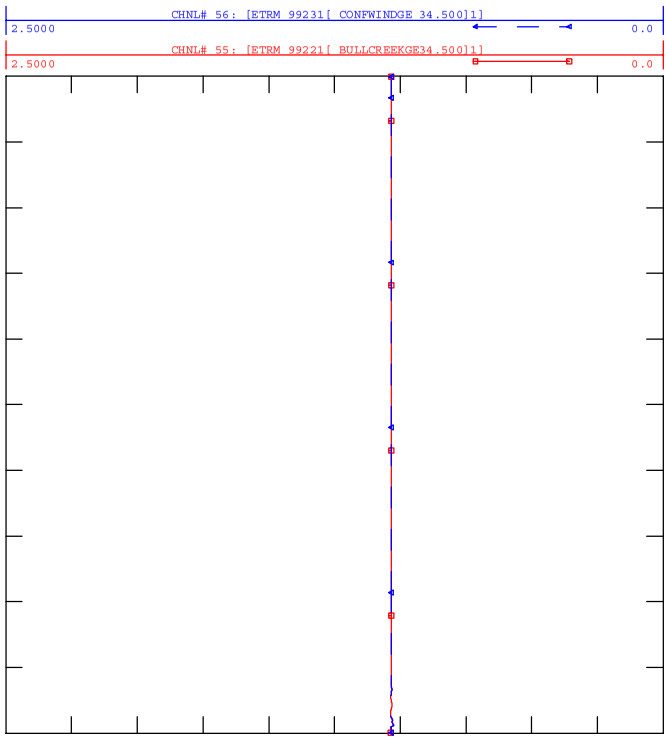


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

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WIND MACH TERMINAL VOLTS

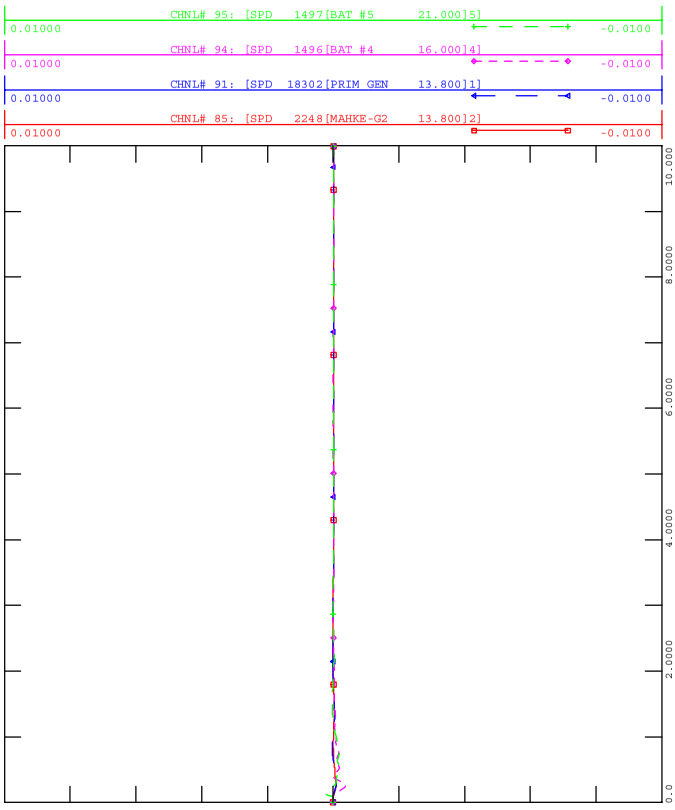


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

WED, DEC 23 2009 15:53

MACHINE SPEED

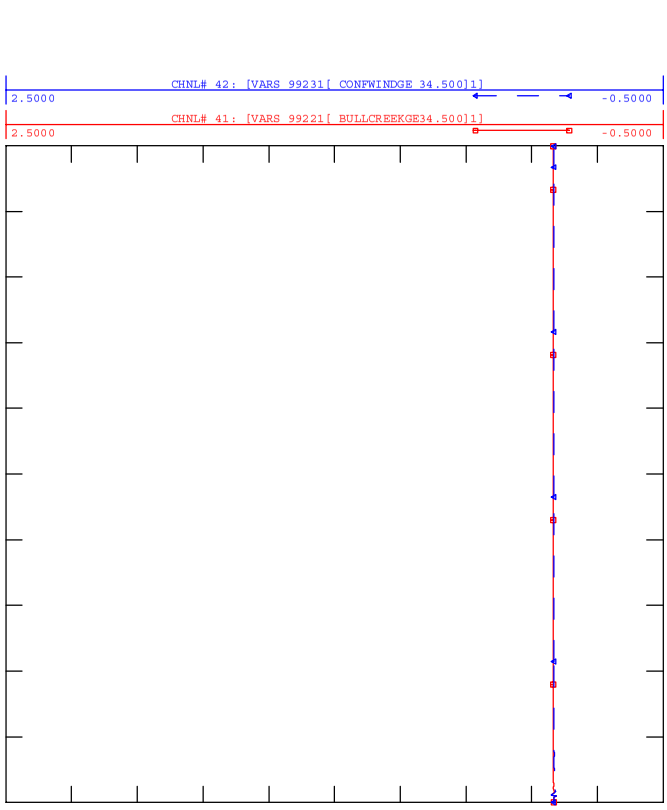


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

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WIND MACHINE VARS

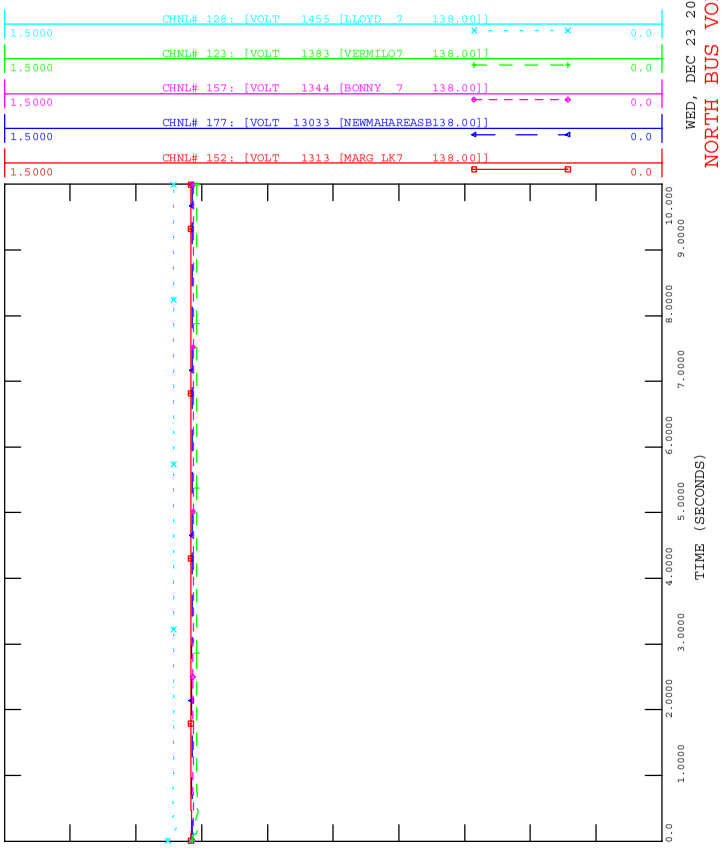


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

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NORTH BUS VOLTAGES

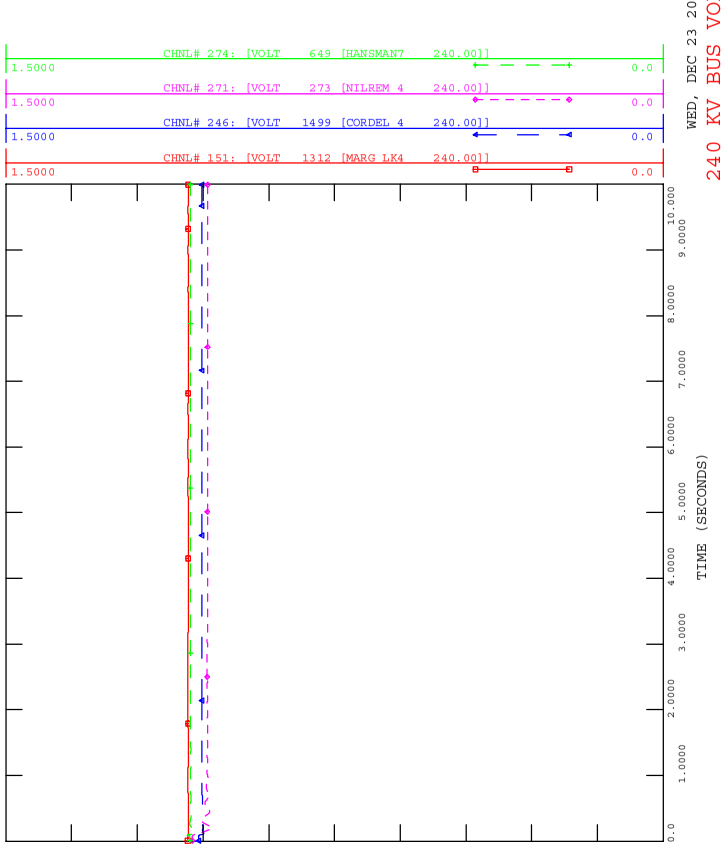


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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240 KV BUS VOLTAGES

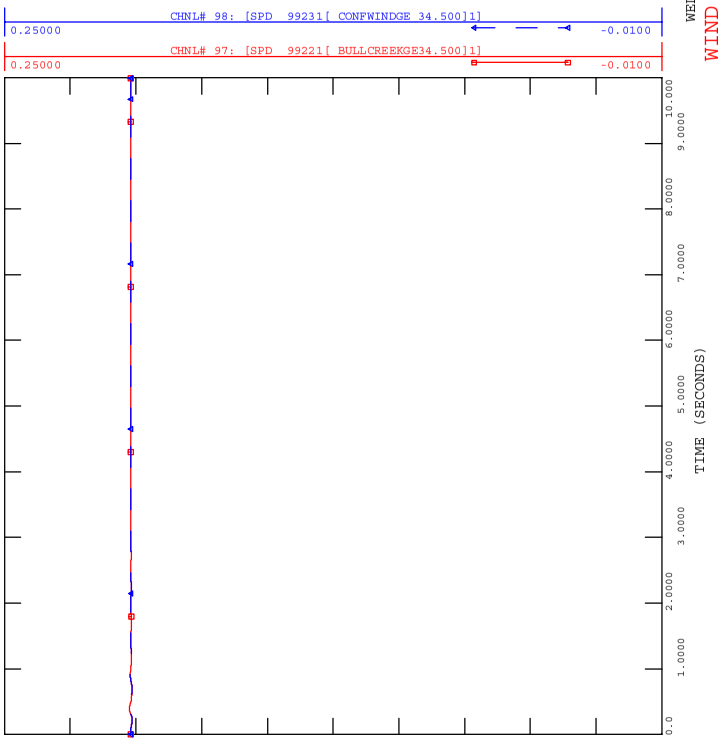


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

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WIND MACHINE SPEED

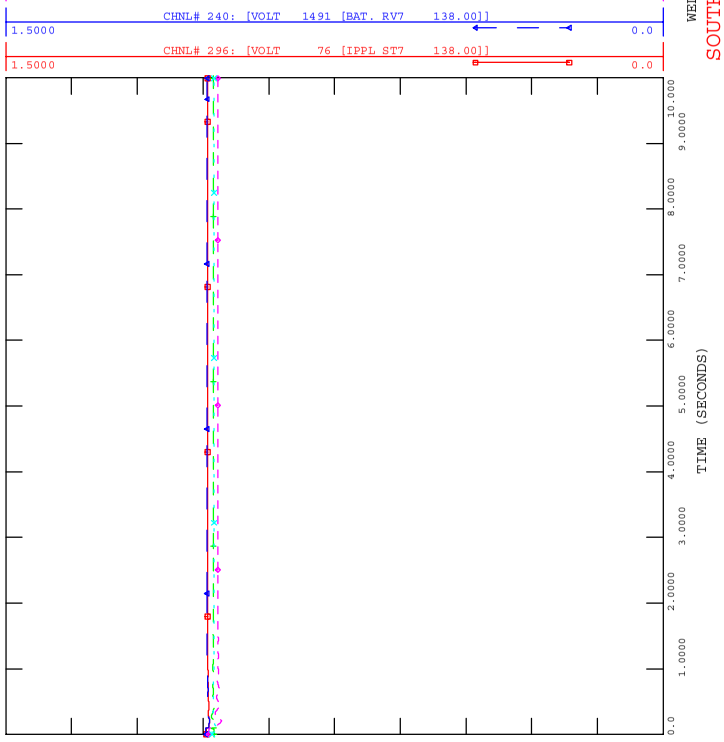


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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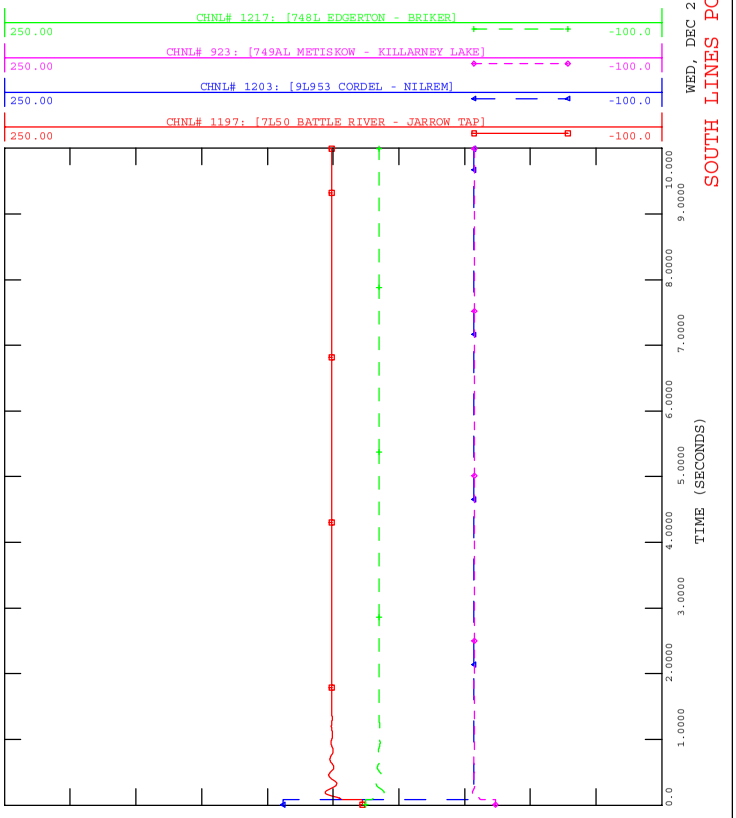
WED, DEC 23 2009 15:53

SOUTH BUS VOLTAGES



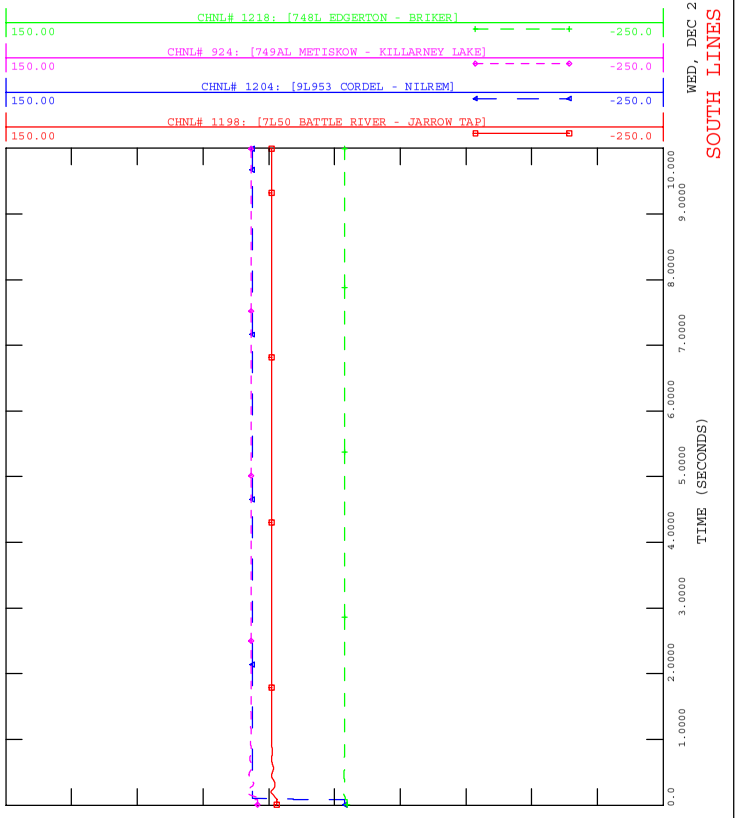
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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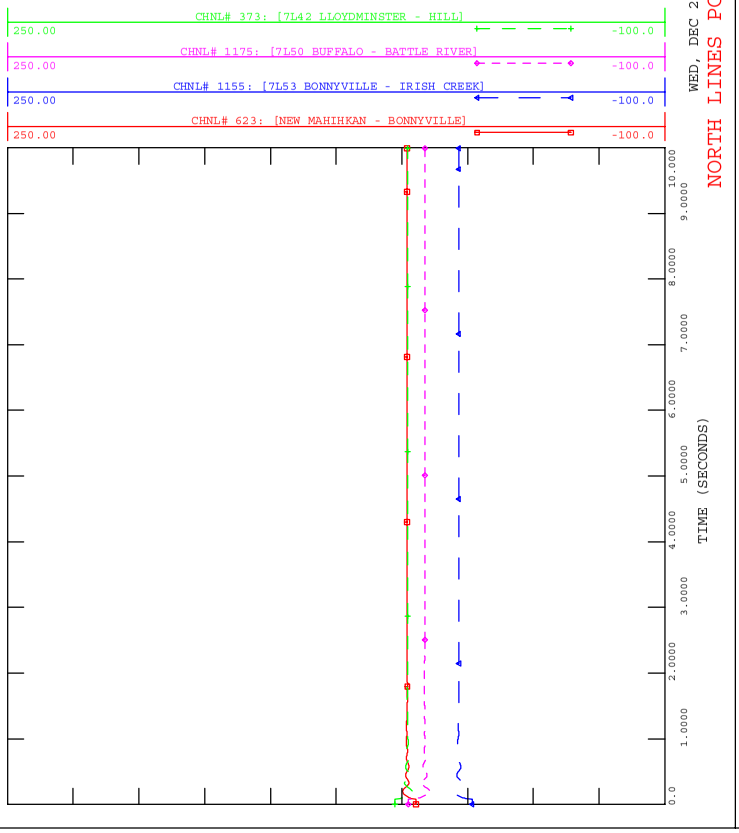
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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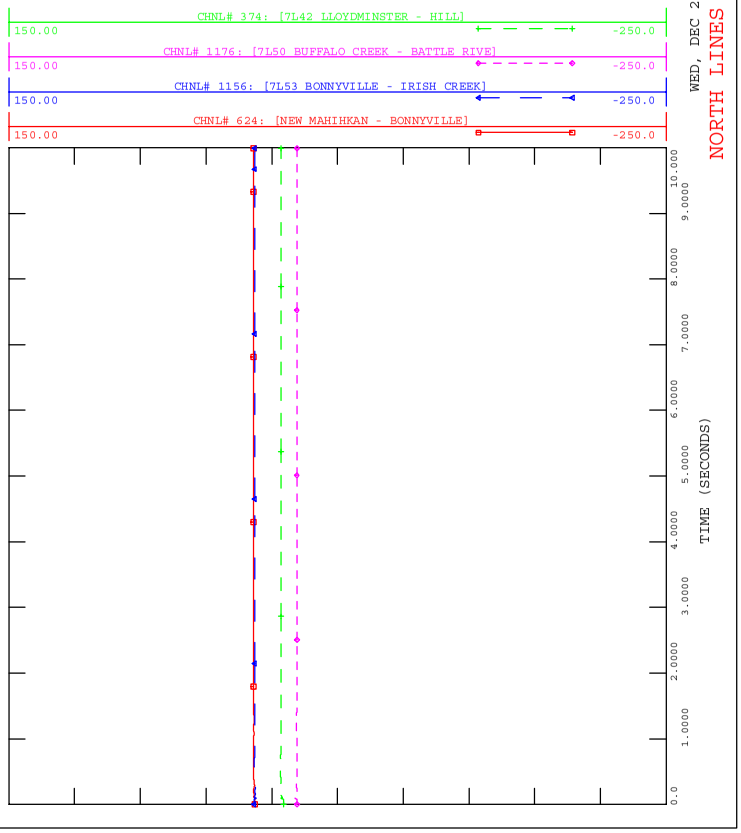
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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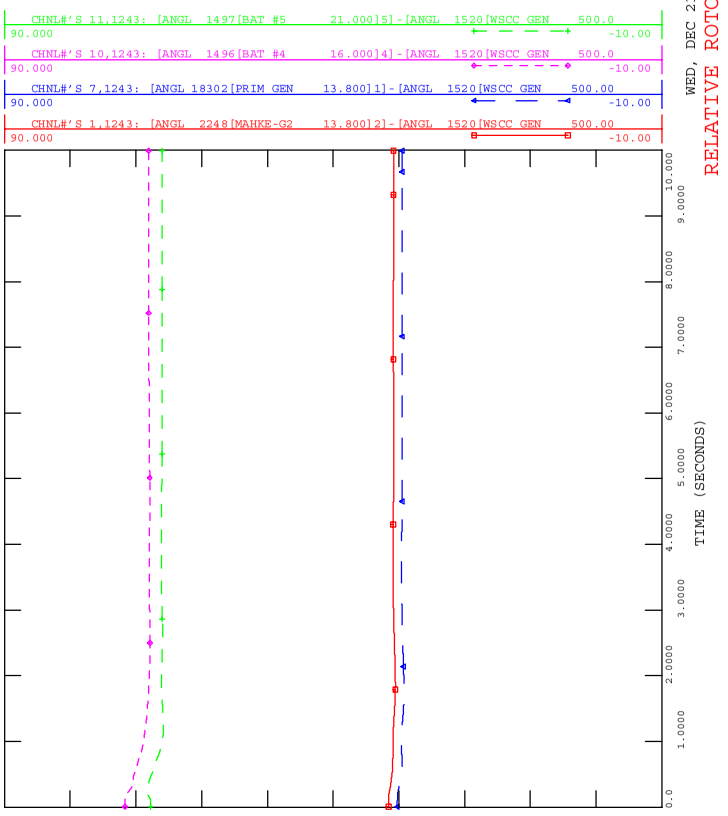
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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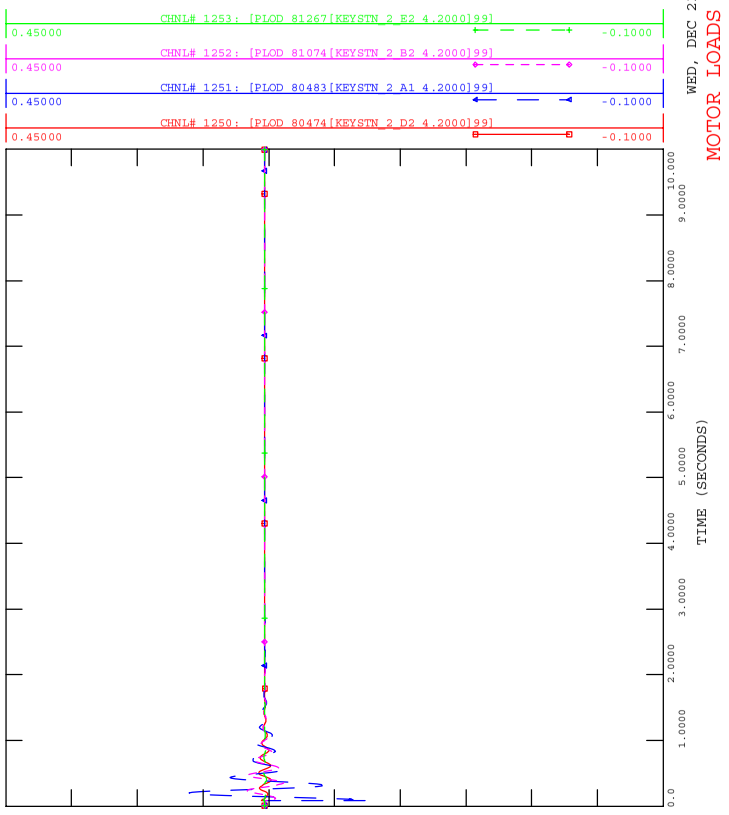


WED, DEC 23 2009 15:53

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

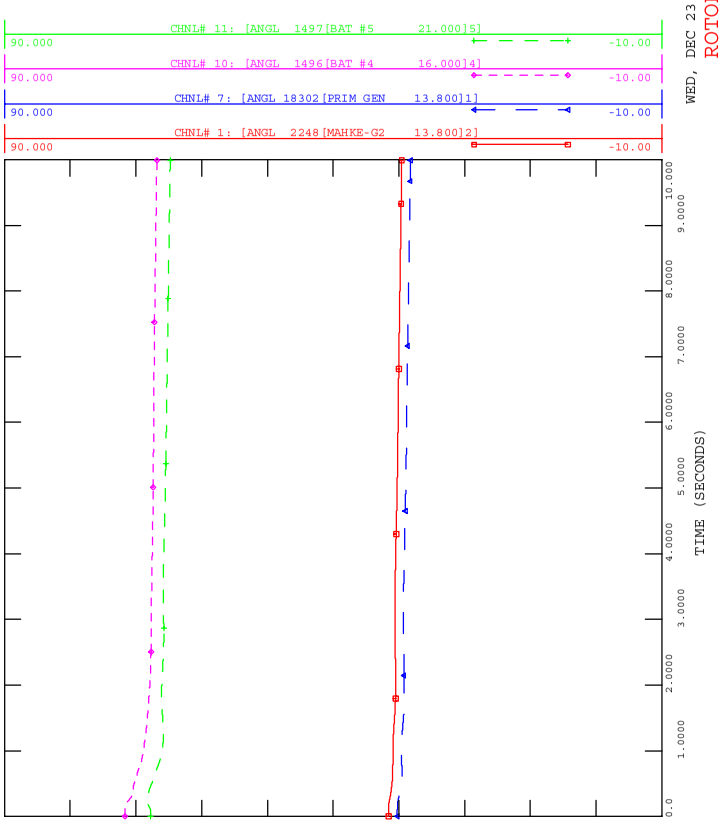


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MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

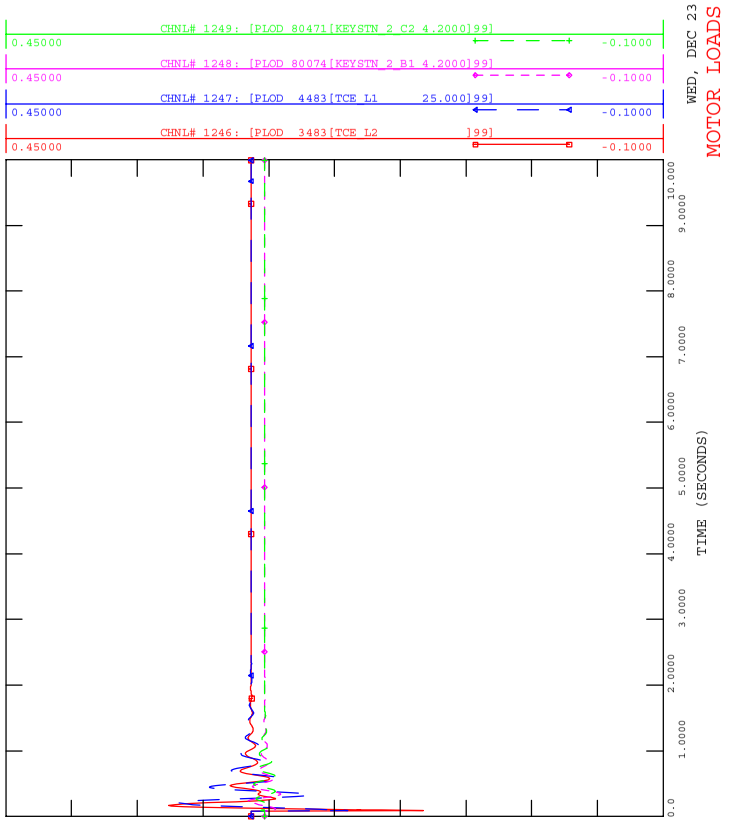


WED, DEC 23 2009 15:53

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

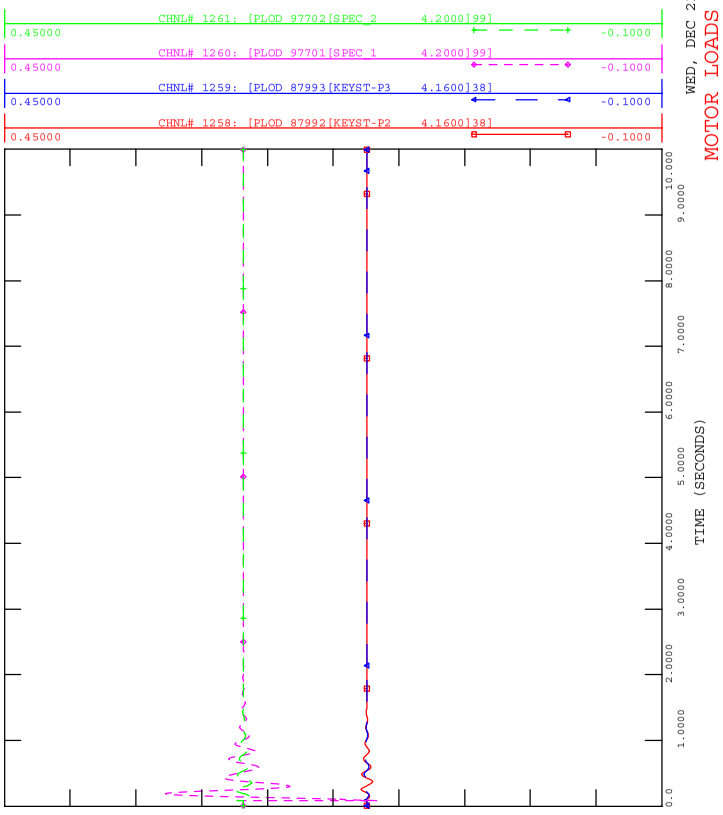


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MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out

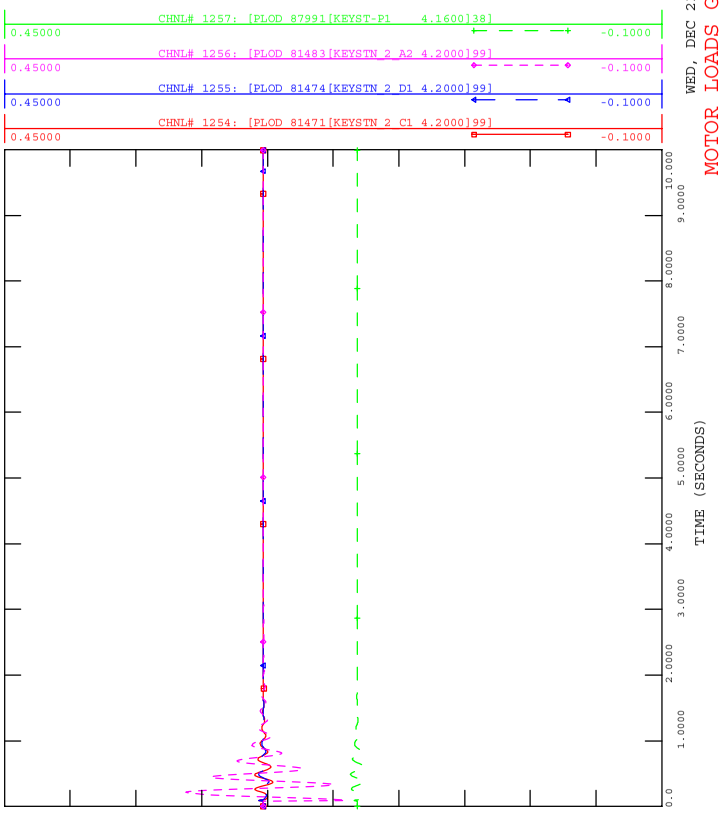


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-3fault.out



WED, DEC 23 2009 15:53

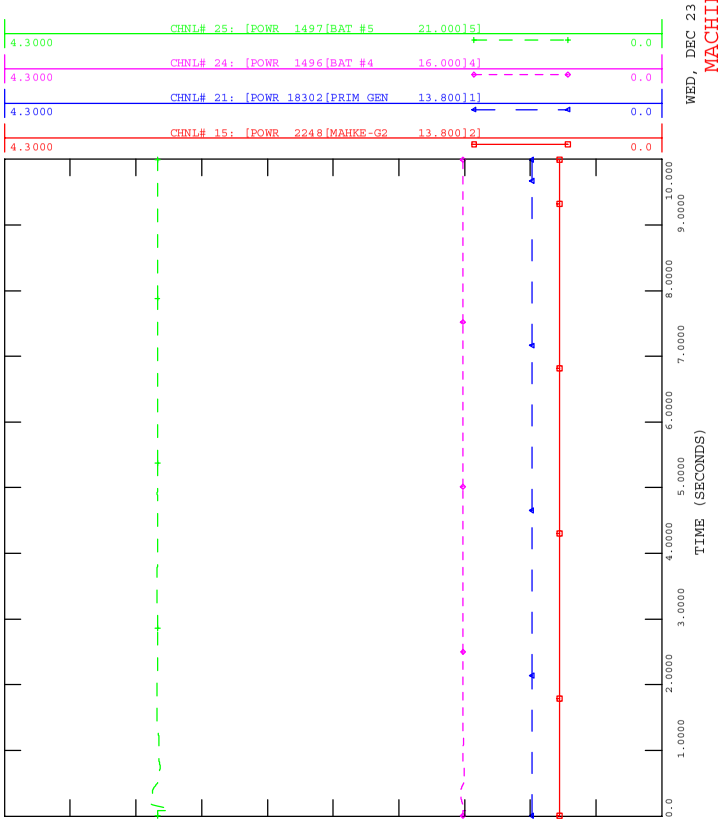
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

MACHINE POWER

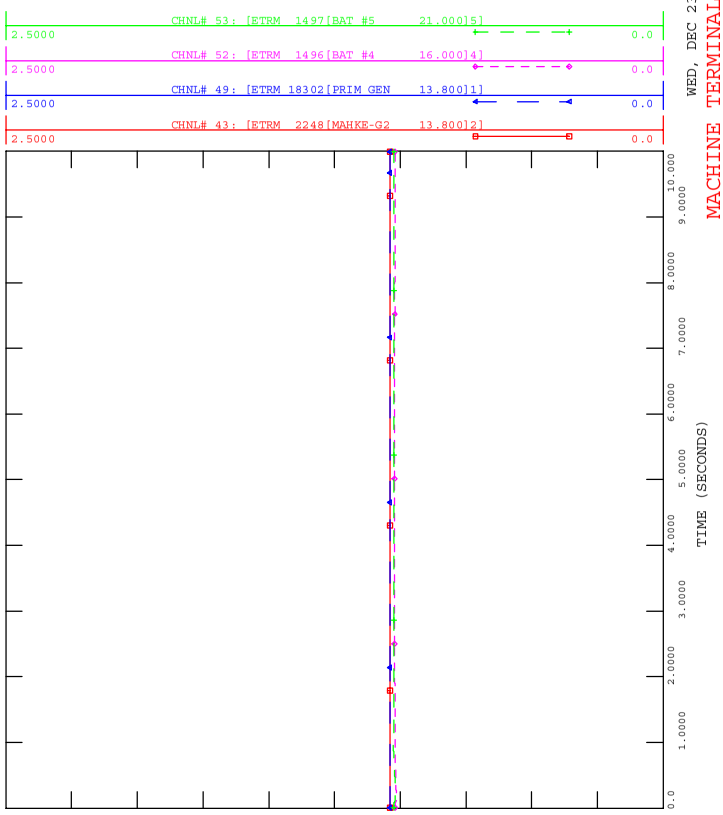


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

MACHINE TERMINAL VOLTAGE

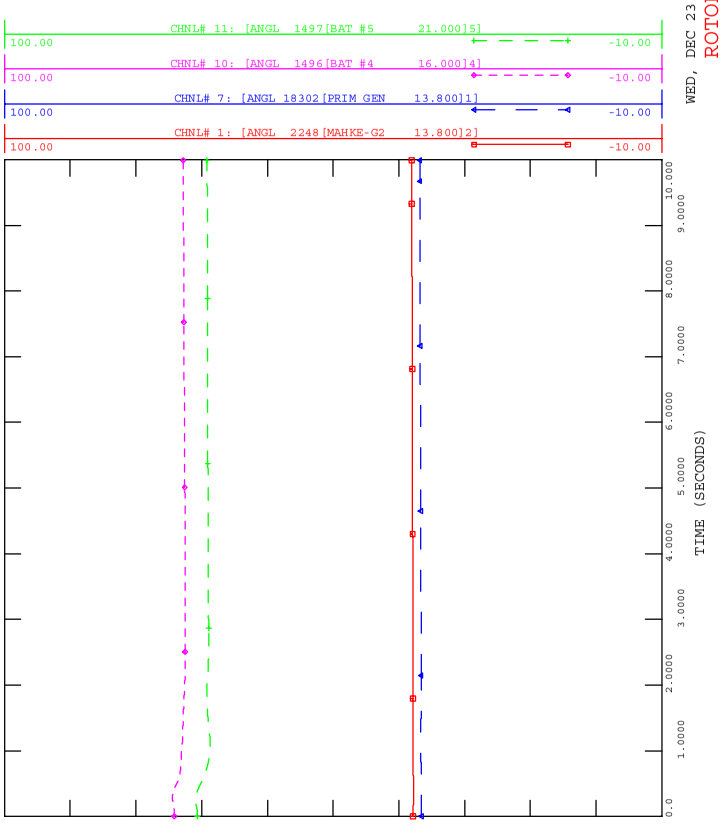


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

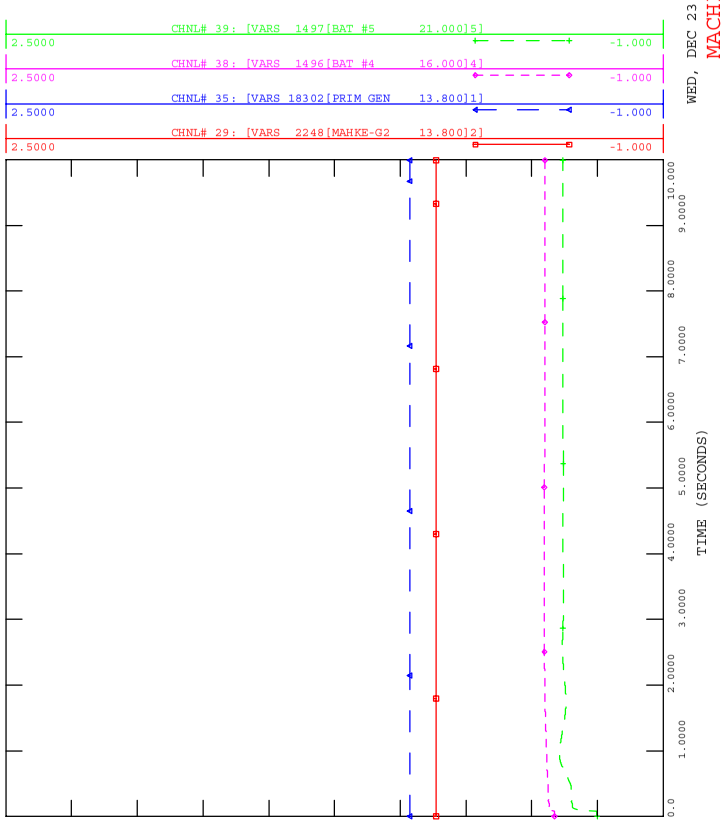


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

MACHINE VARS

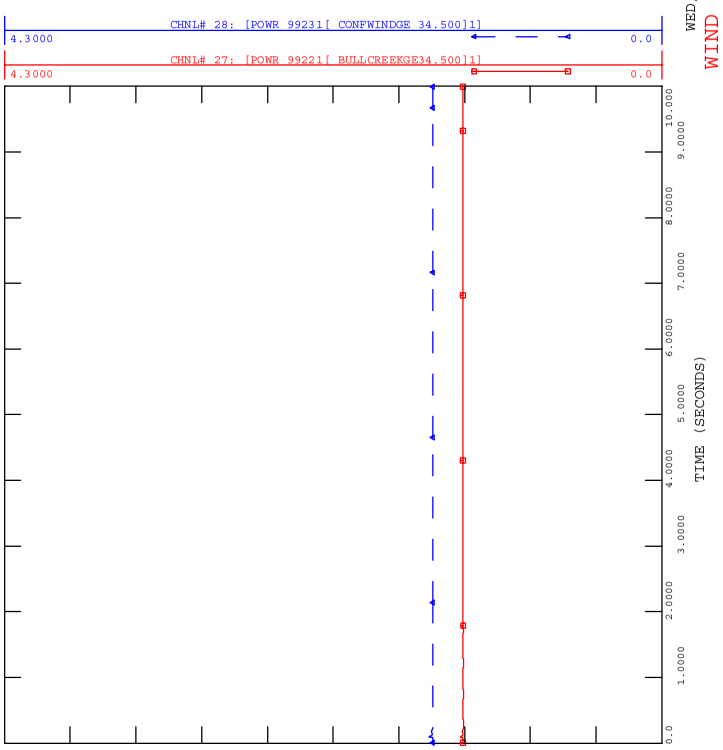


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

WIND MACHINE POWER

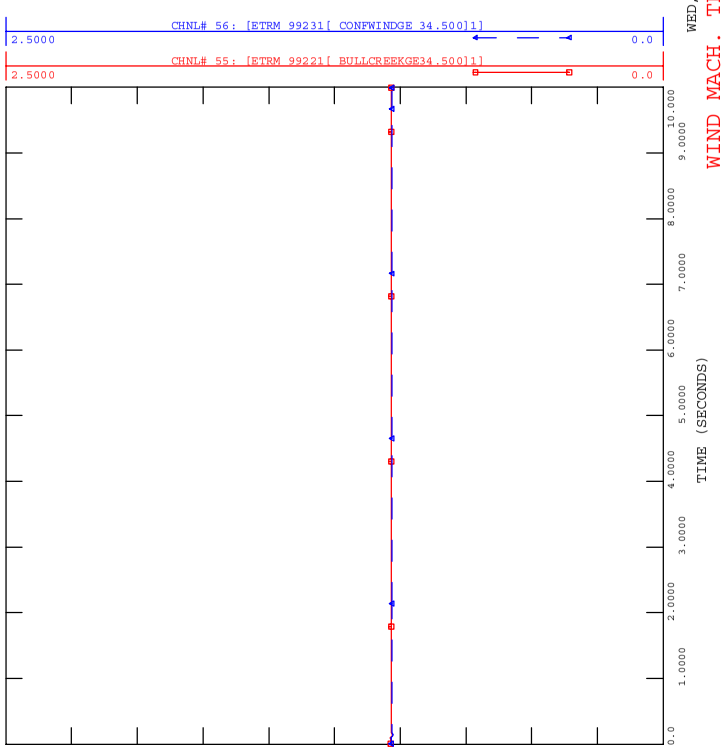


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

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WIND MACH. TERMINAL VOLTS

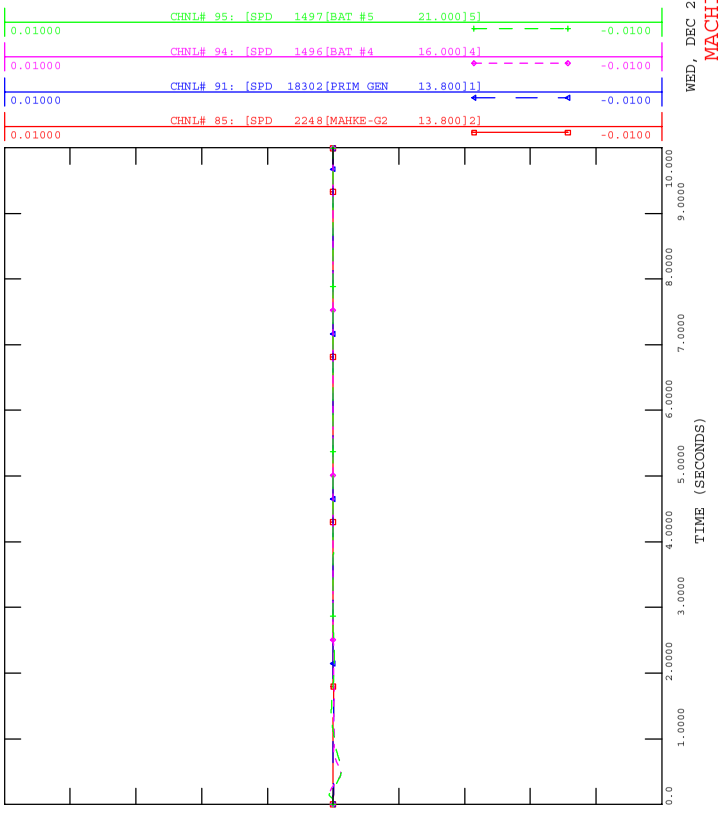


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

MACHINE SPEED

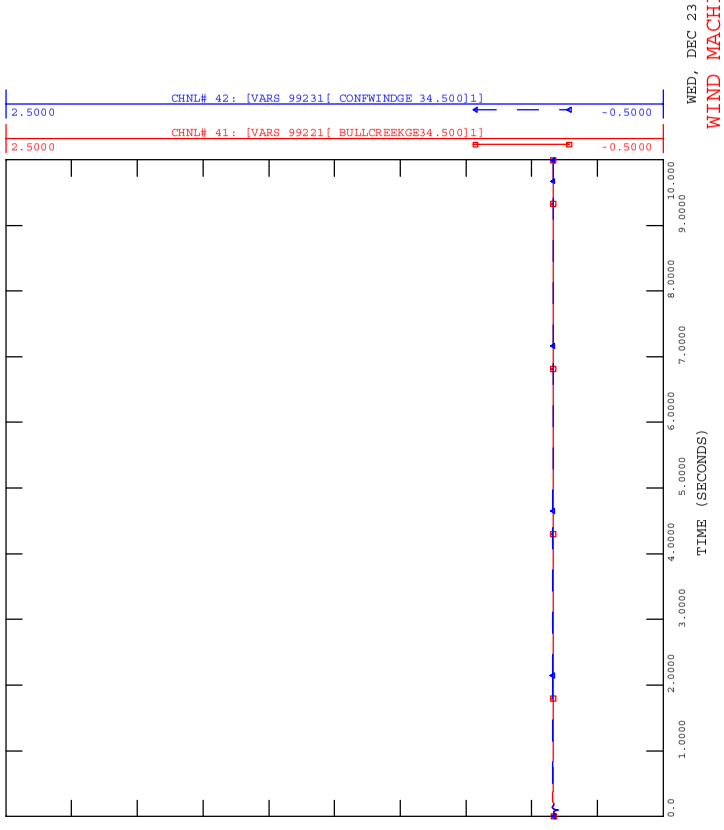


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

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WIND MACHINE VARS

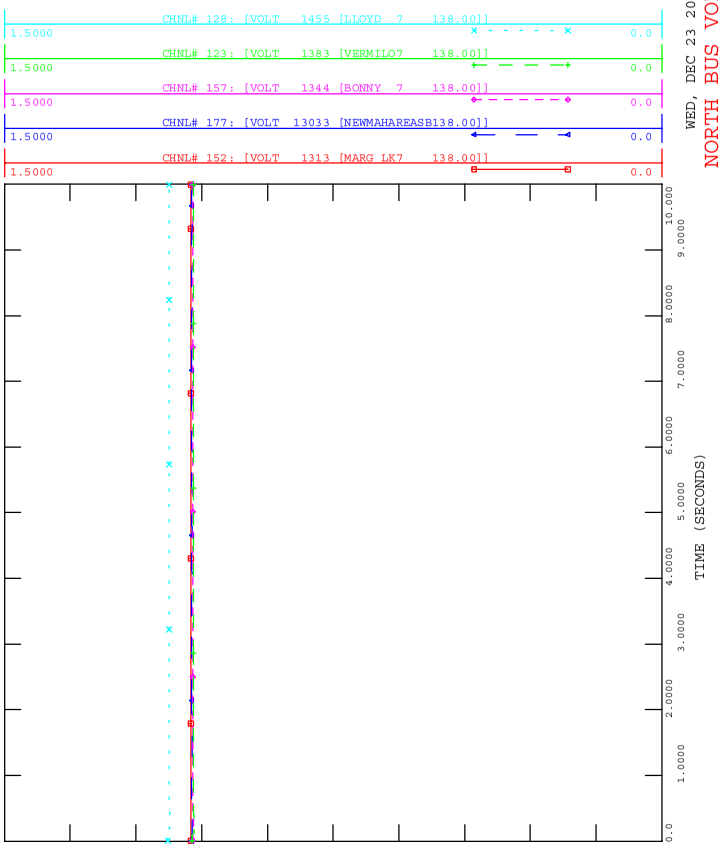


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

NORTH BUS VOLTAGES

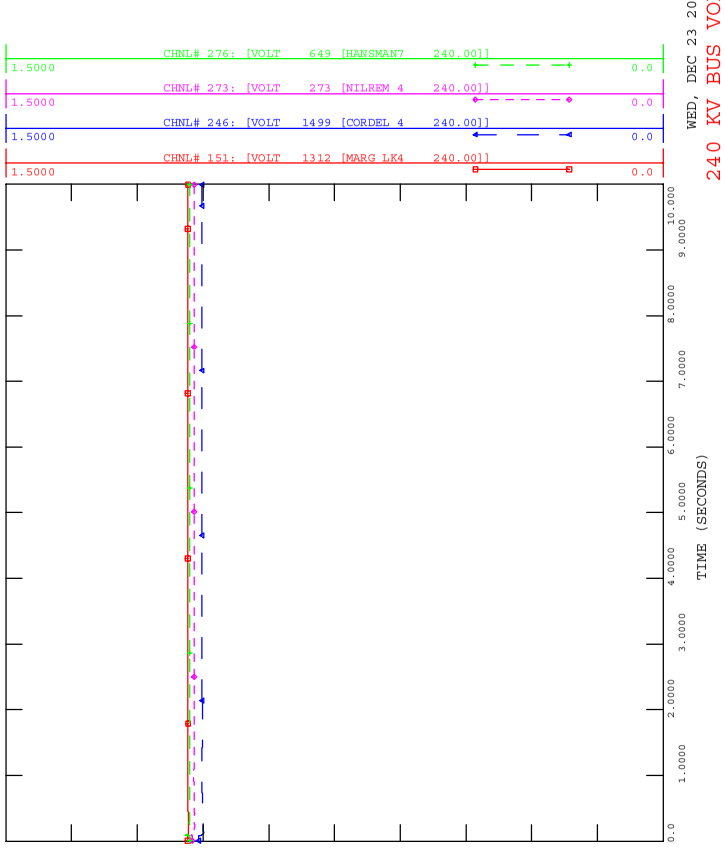


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

240 KV BUS VOLTAGES

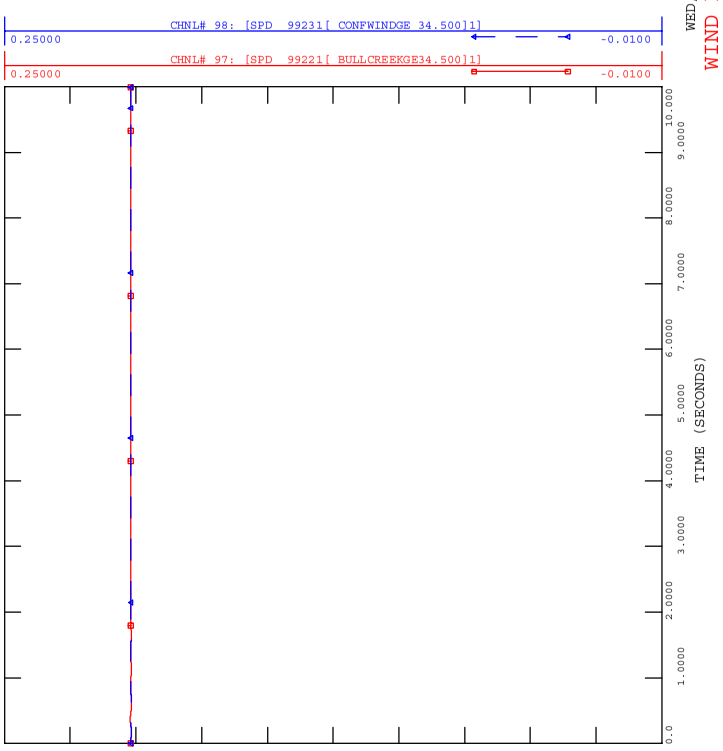


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

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WIND MACHINE SPEED

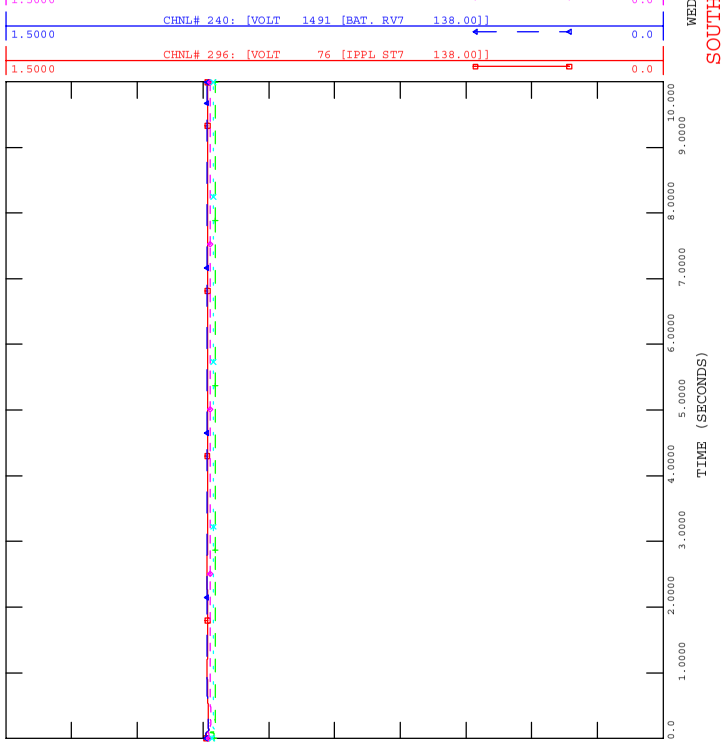


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

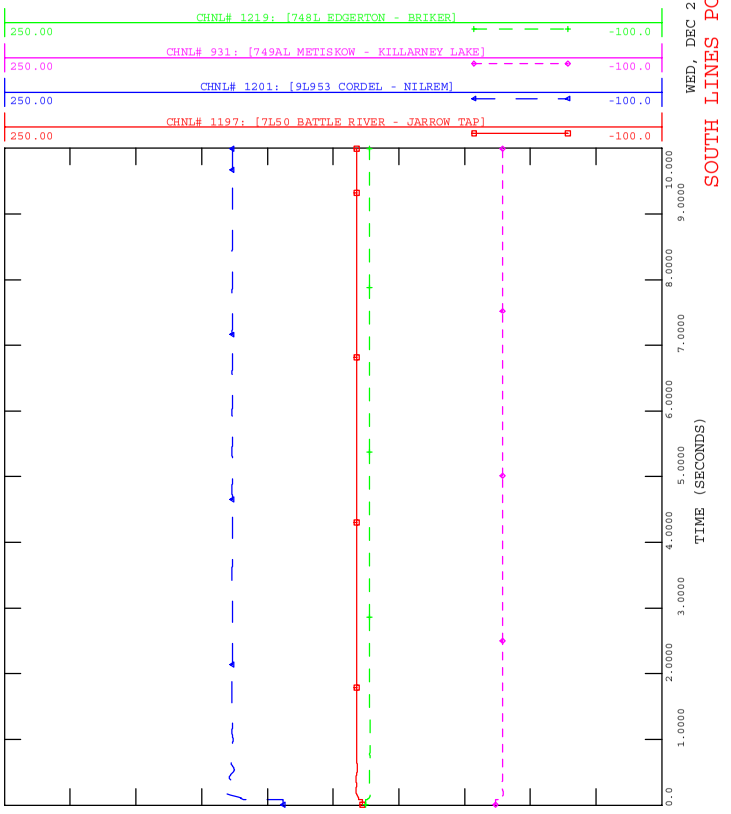
WED, DEC 23 2009 15:53

SOUTH BUS VOLTAGES



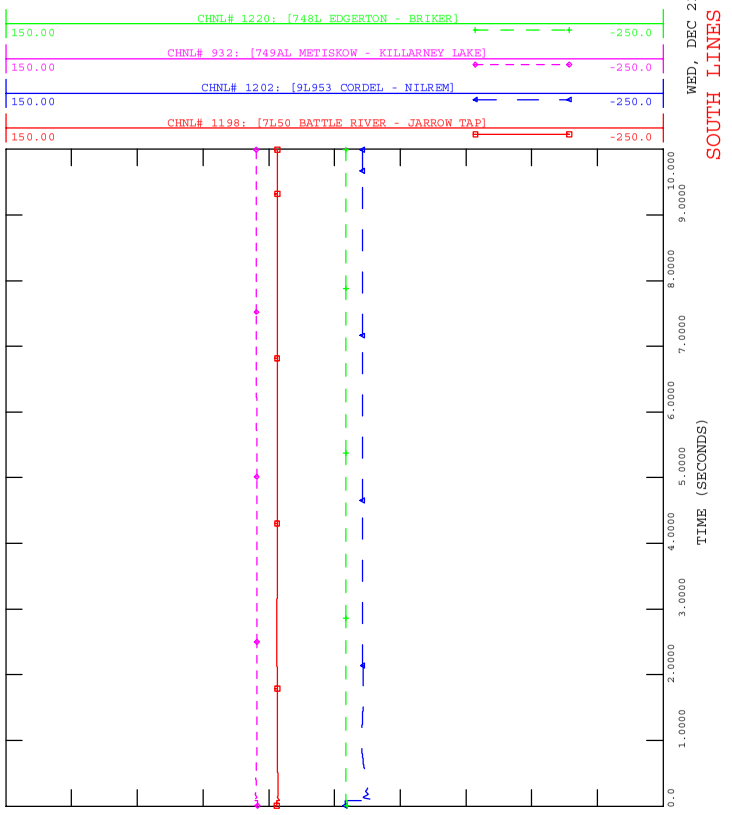
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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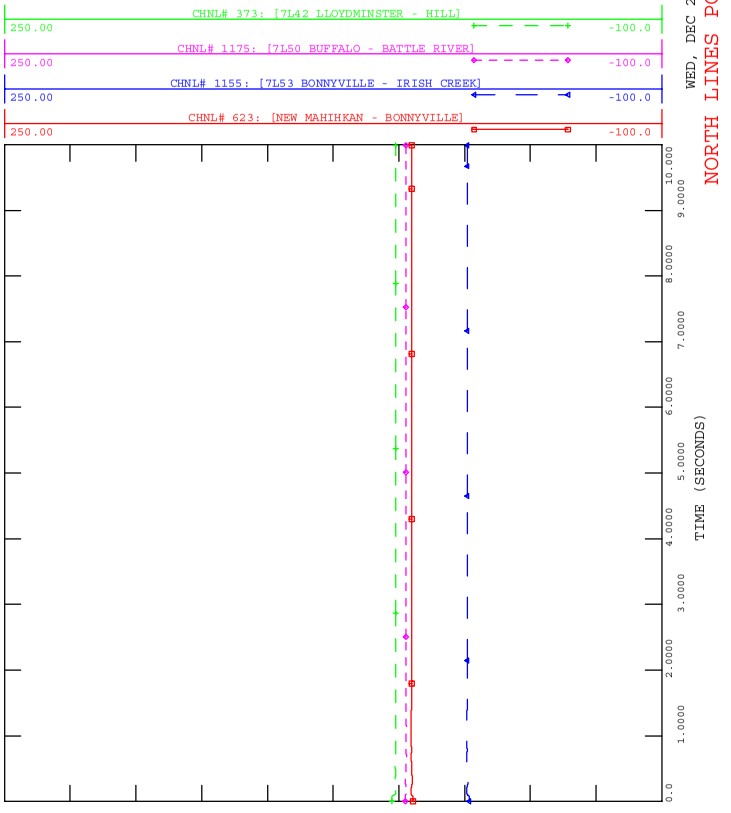
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out



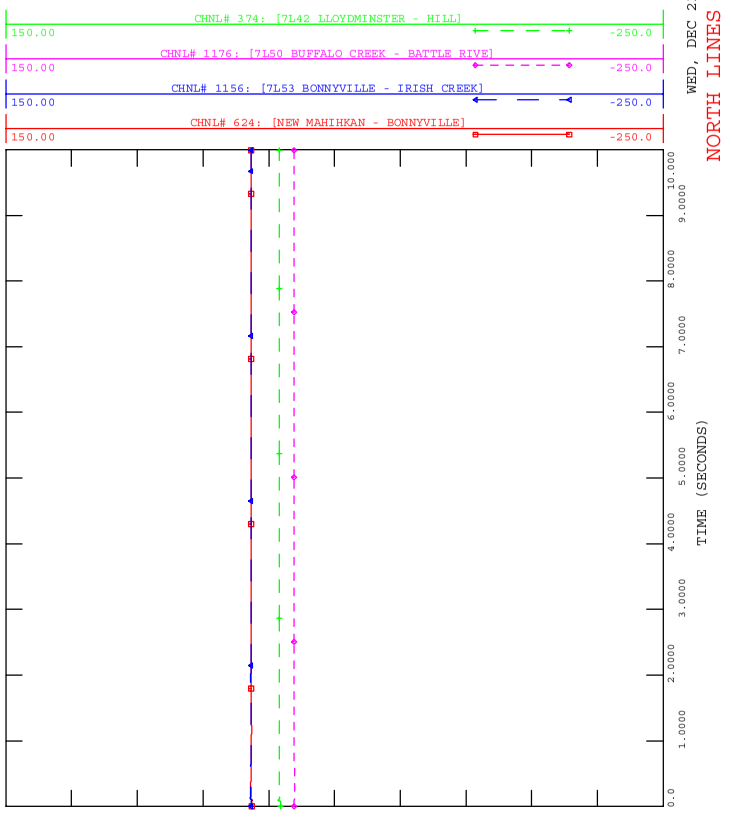
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

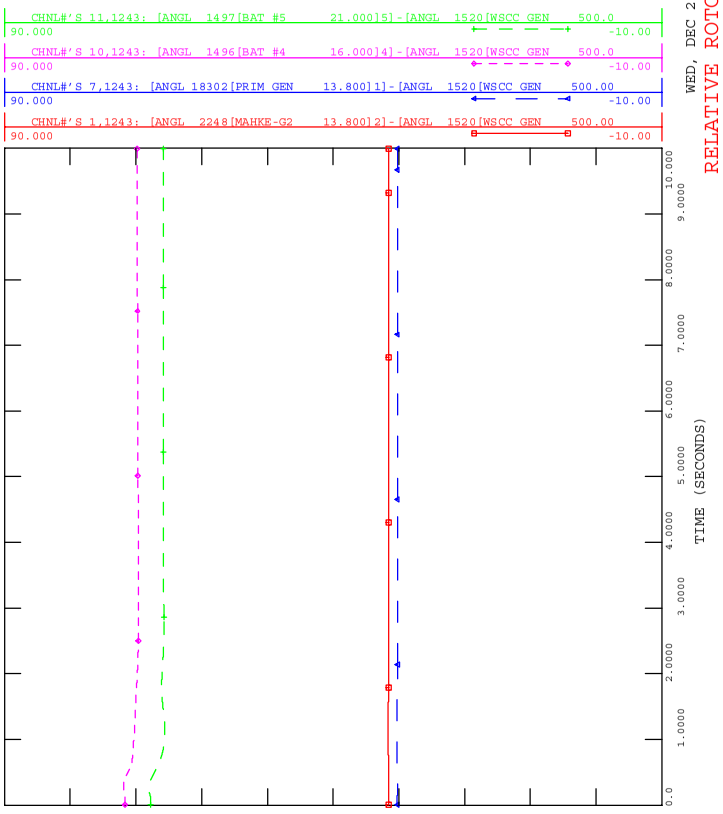


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

RELATIVE ROTOR ANGLES

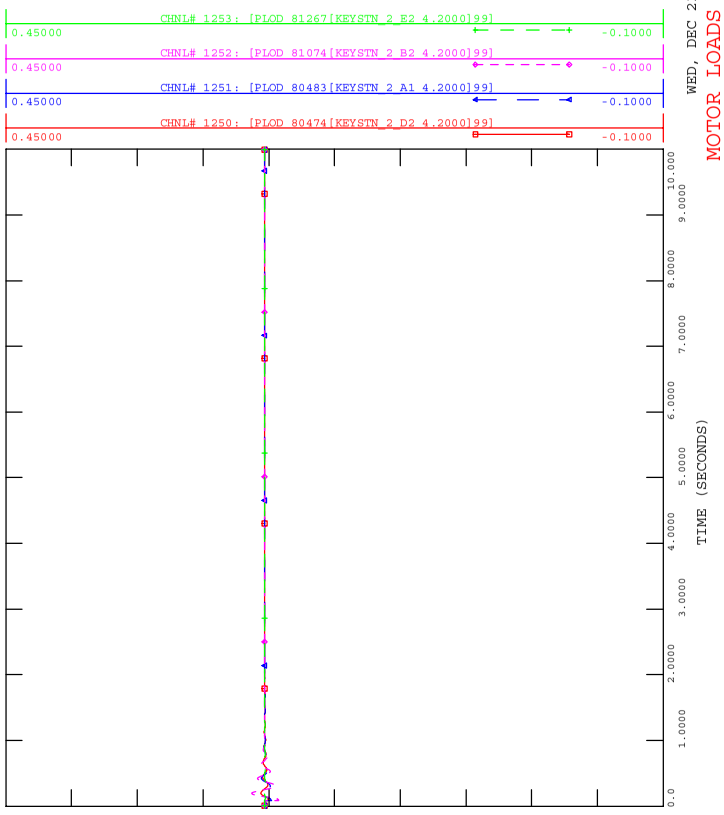


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

MOTOR LOADS GROUP II

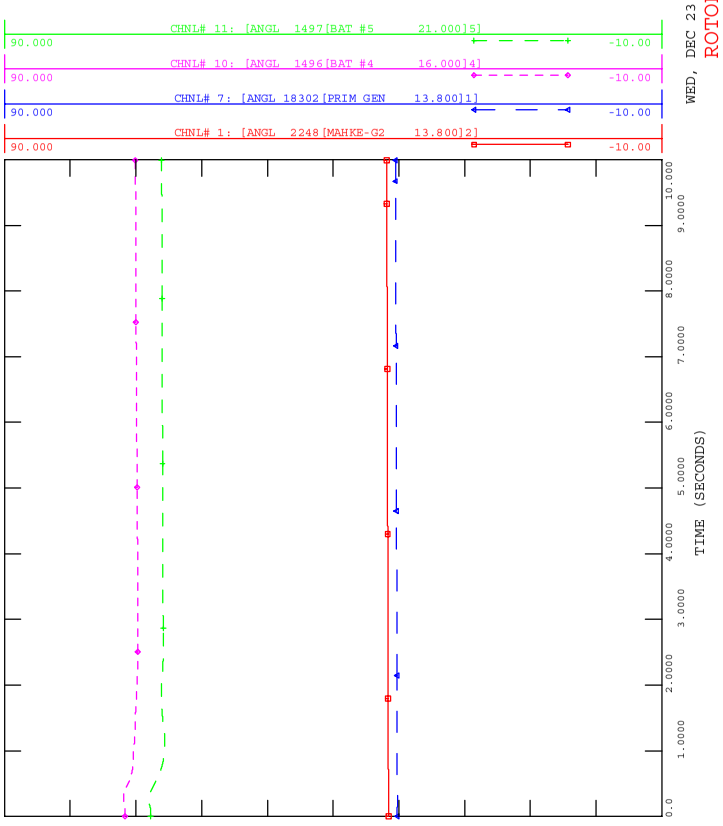


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

WED, DEC 23 2009 15:53

ROTOR ANGLES

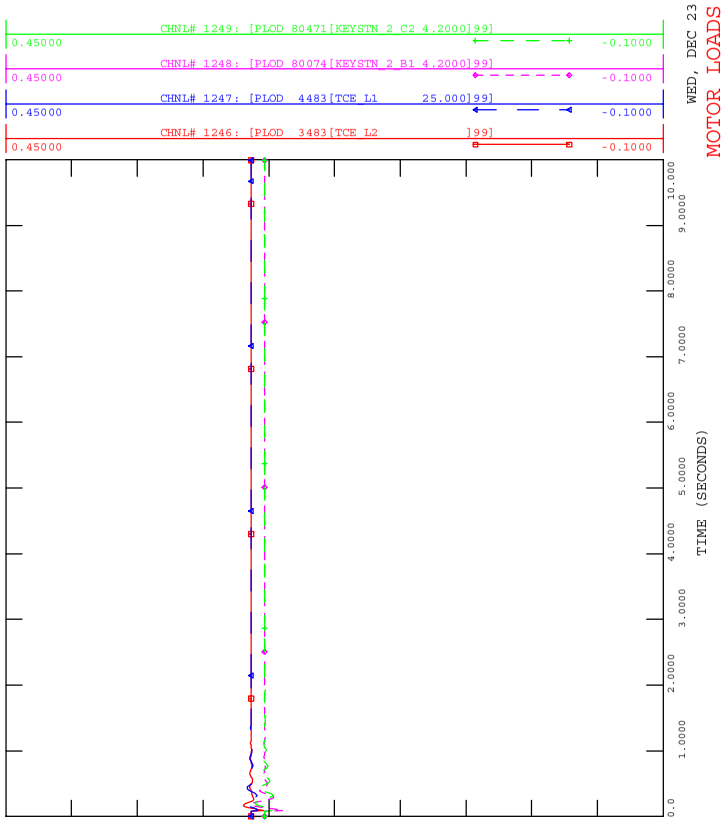


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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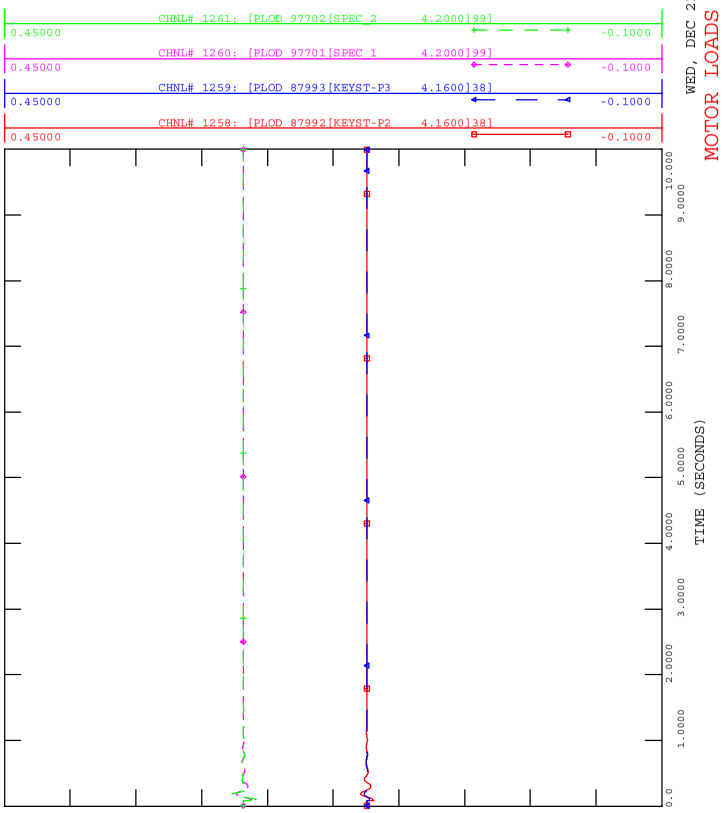
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out

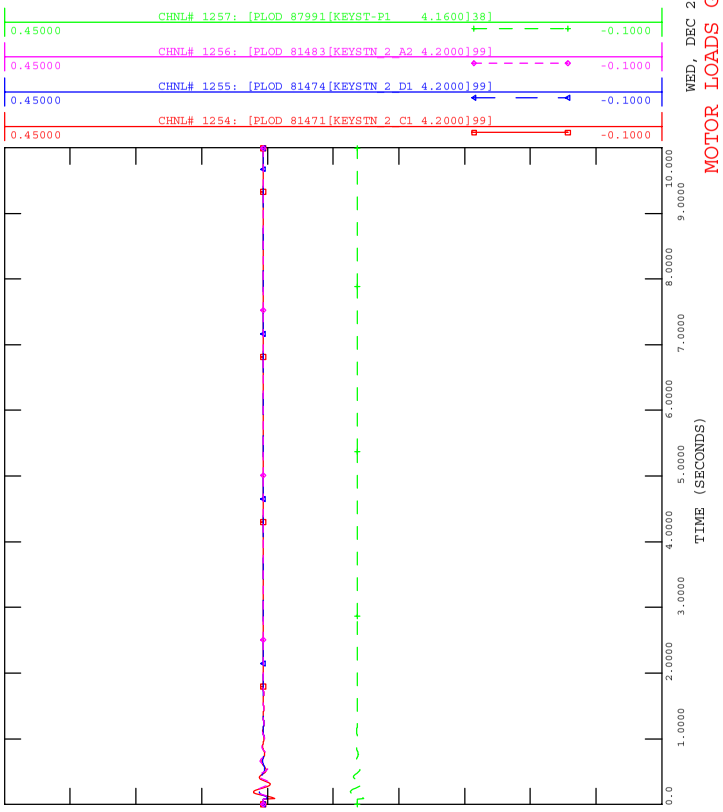


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C5-4fault.out



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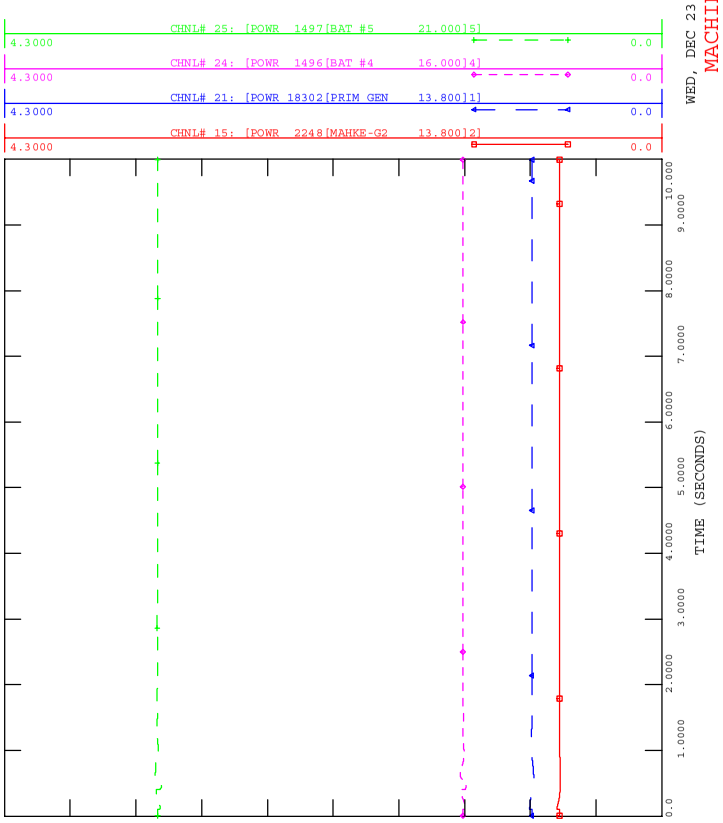
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

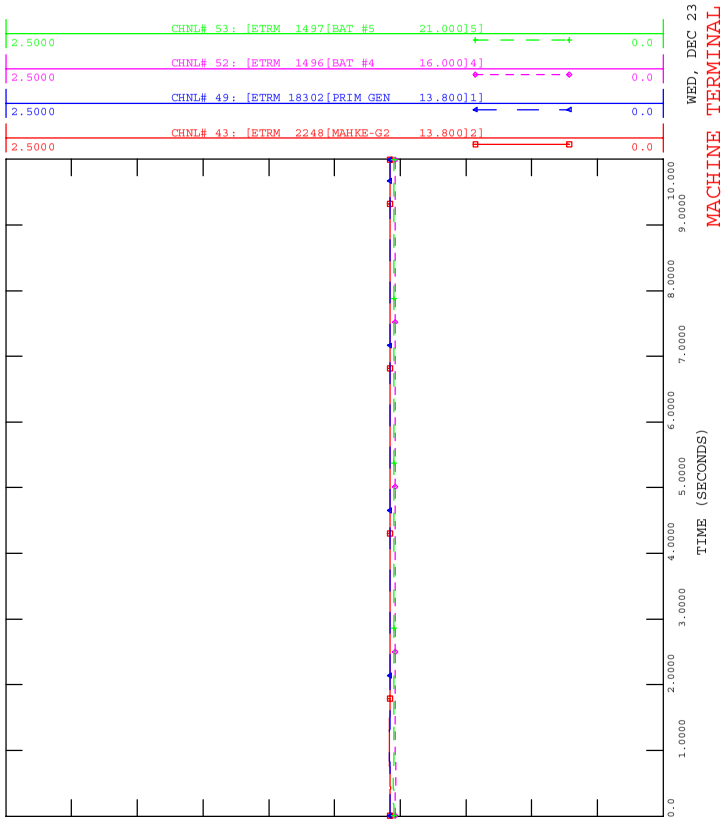


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

MACHINE TERMINAL VOLTAGE

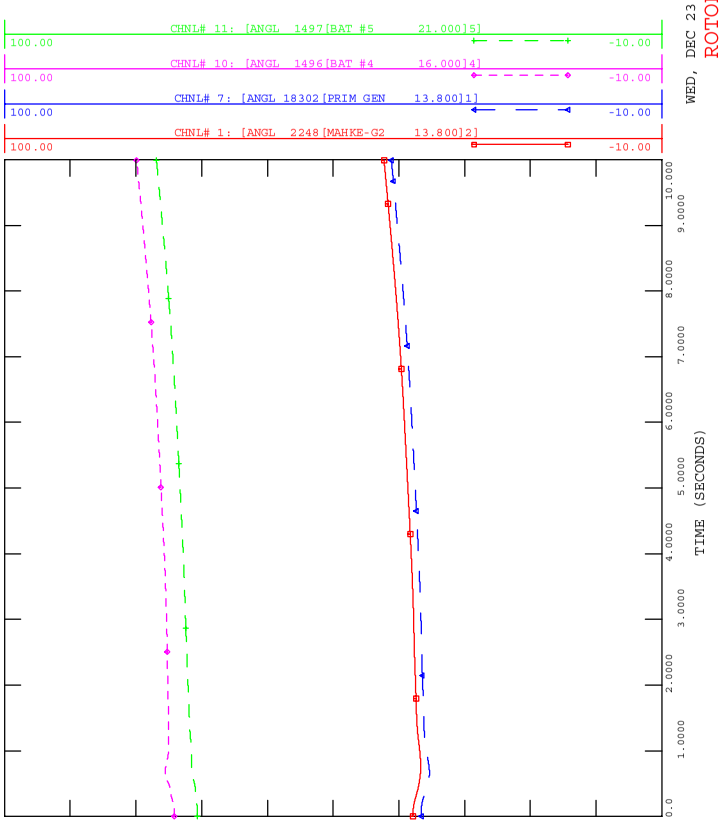


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

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ROTOR ANGLES

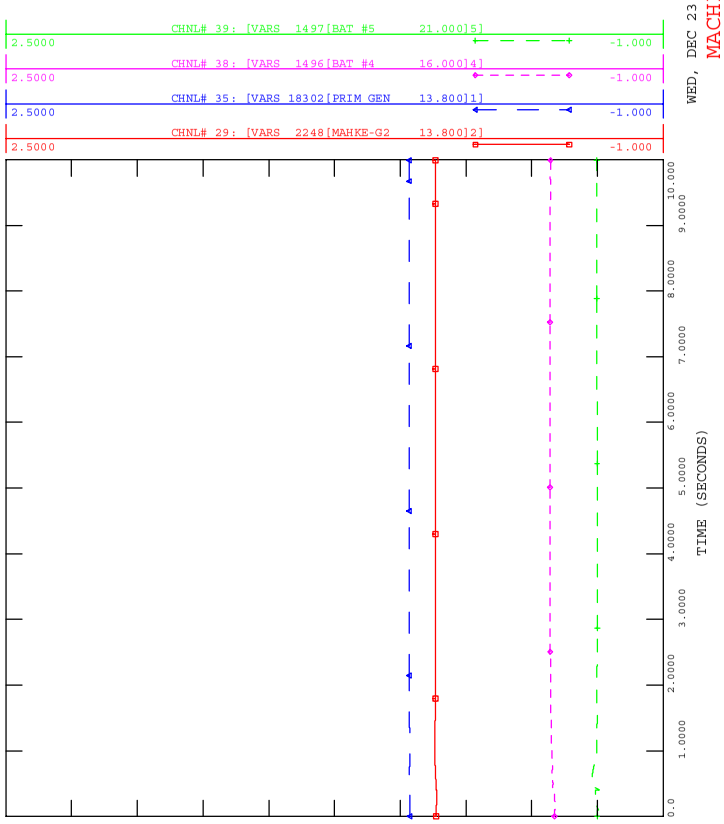


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

MACHINE VARS

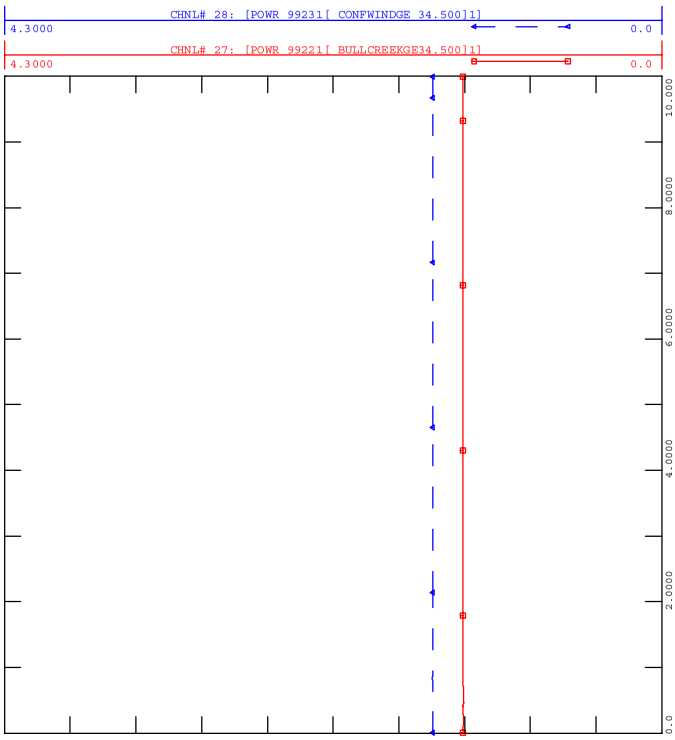


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

WIND MACHINE POWER

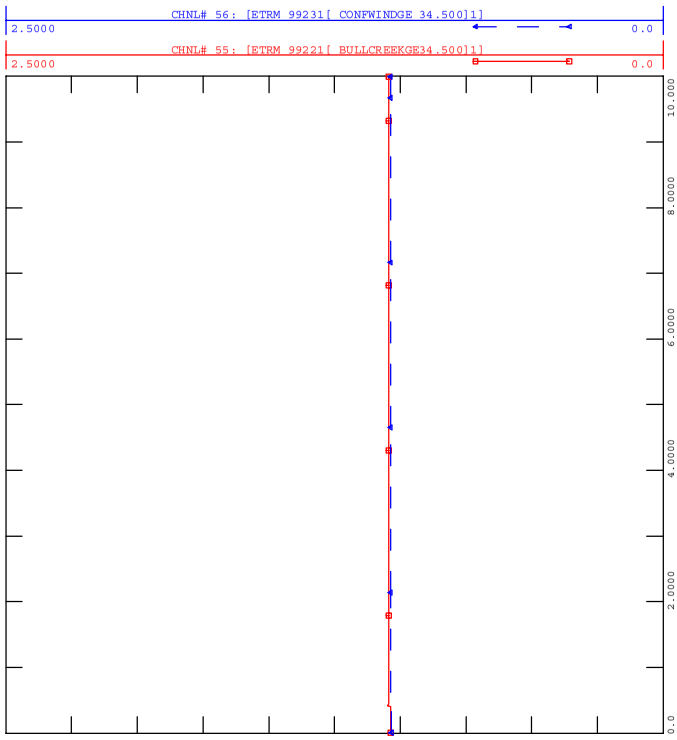


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

WIND MACH. TERMINAL VOLTS

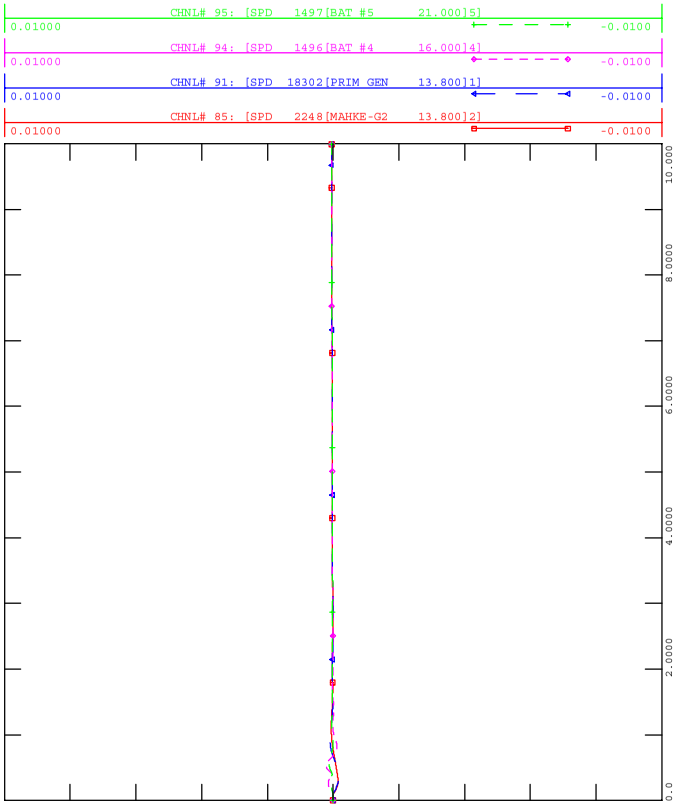


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:54

MACHINE SPEED

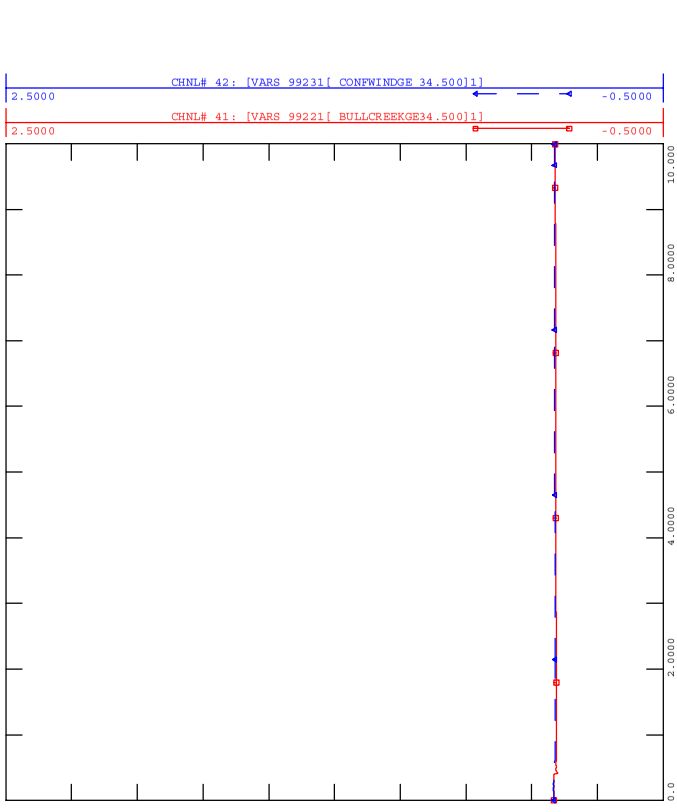


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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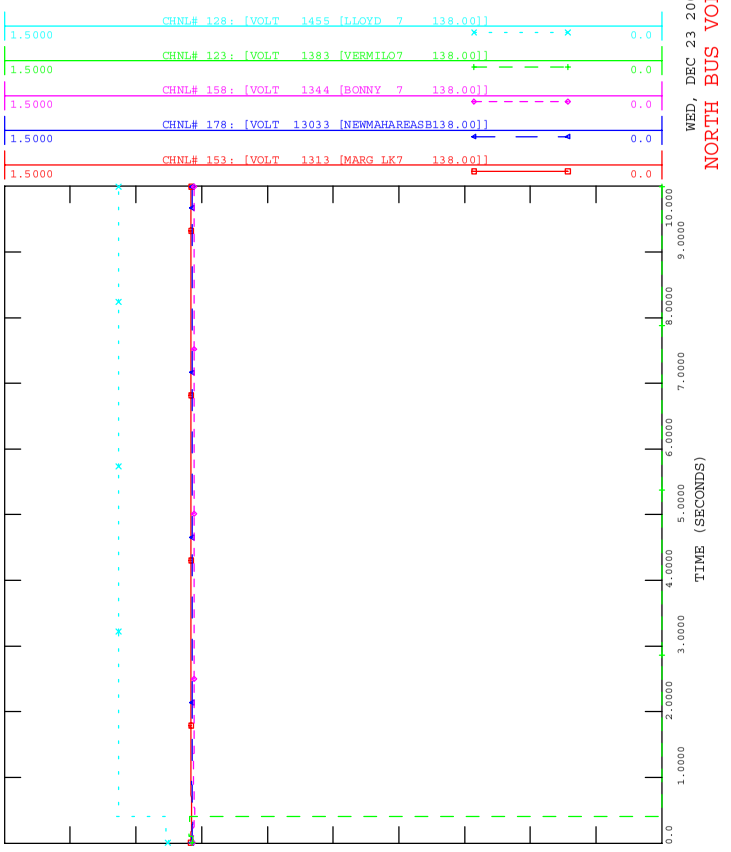
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

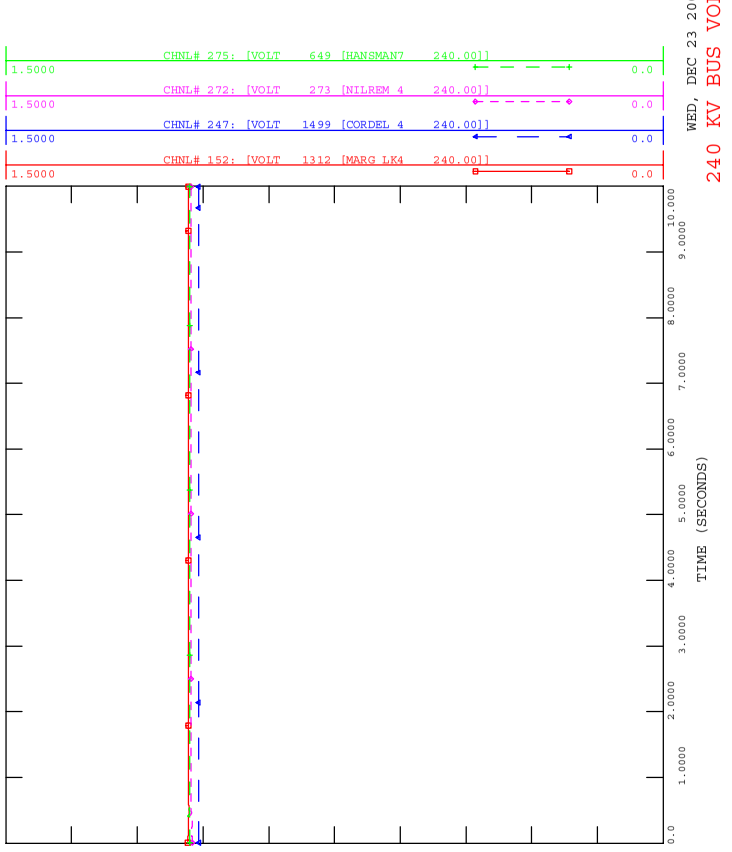


WED, DEC 23 2009 15:54

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

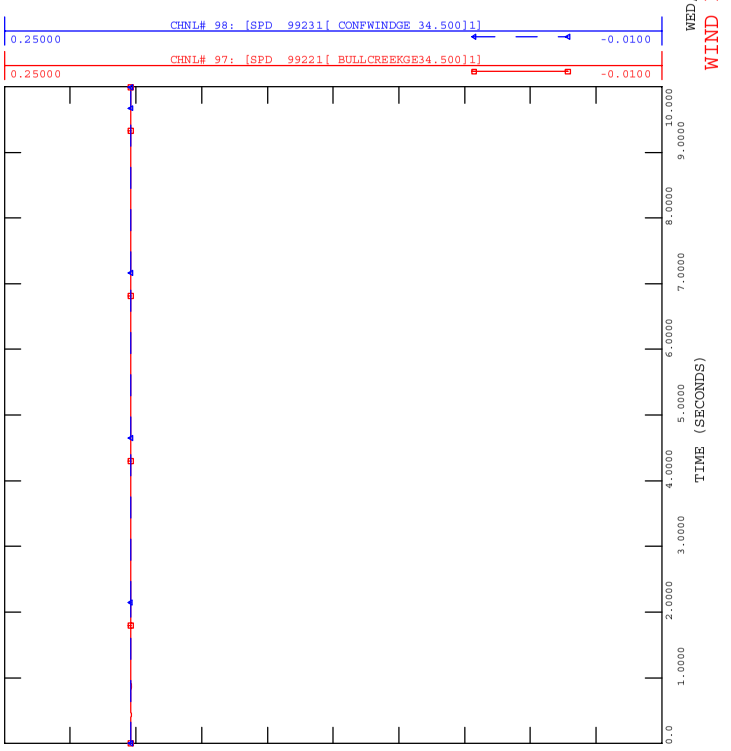


WED, DEC 23 2009 15:54

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

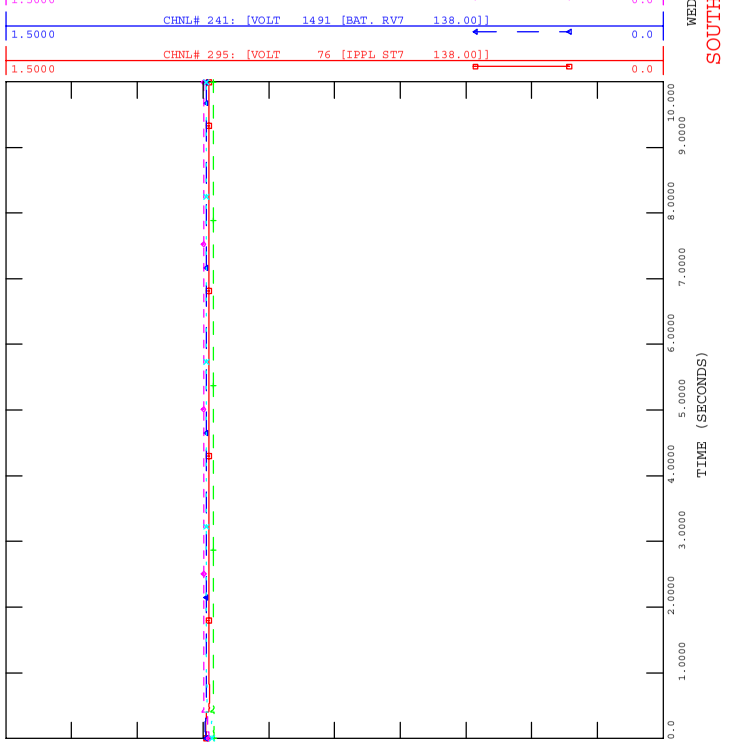


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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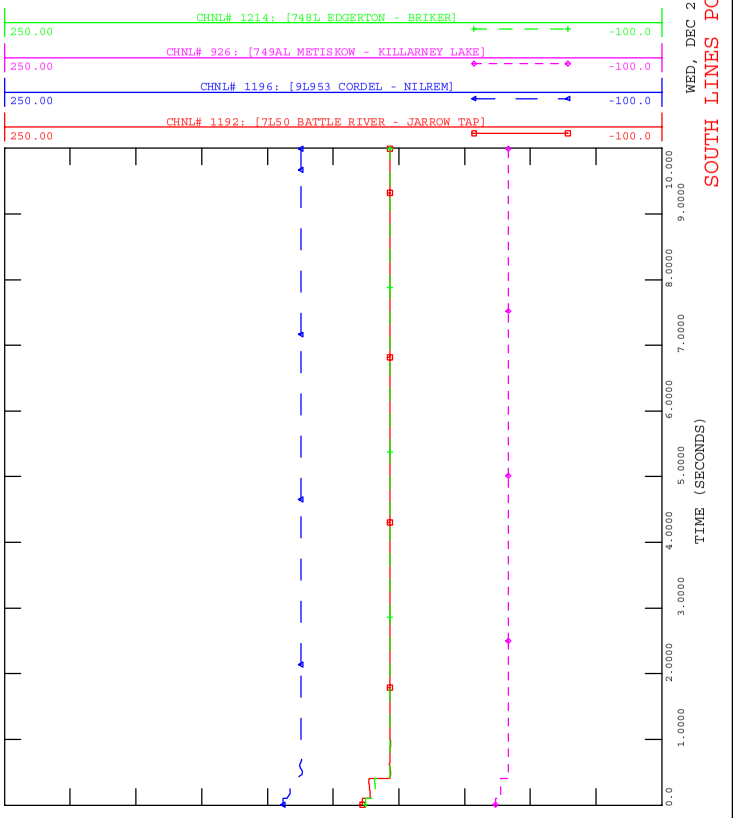


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SOUTH BUS VOLTAGES

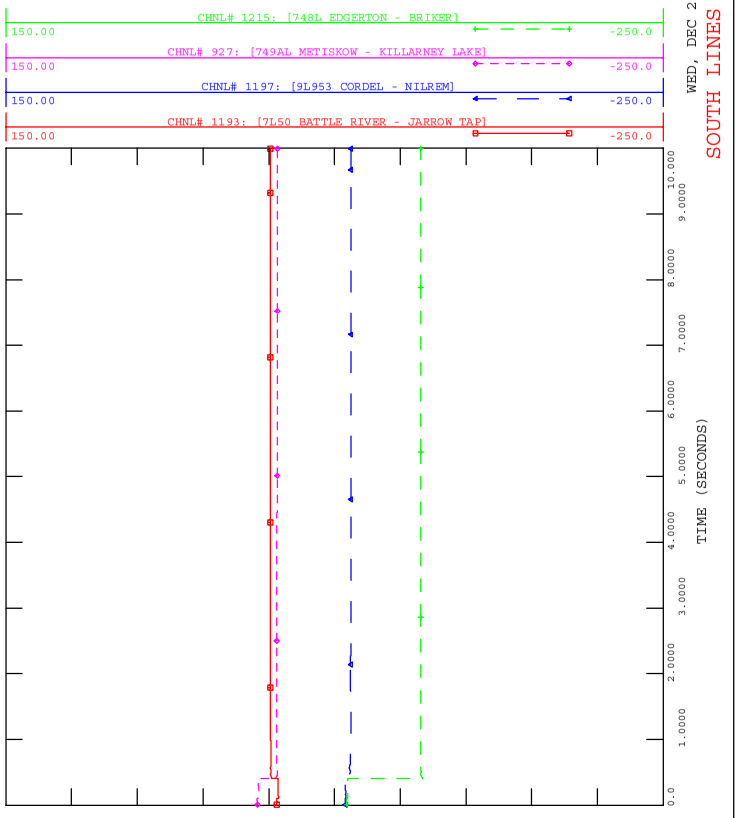
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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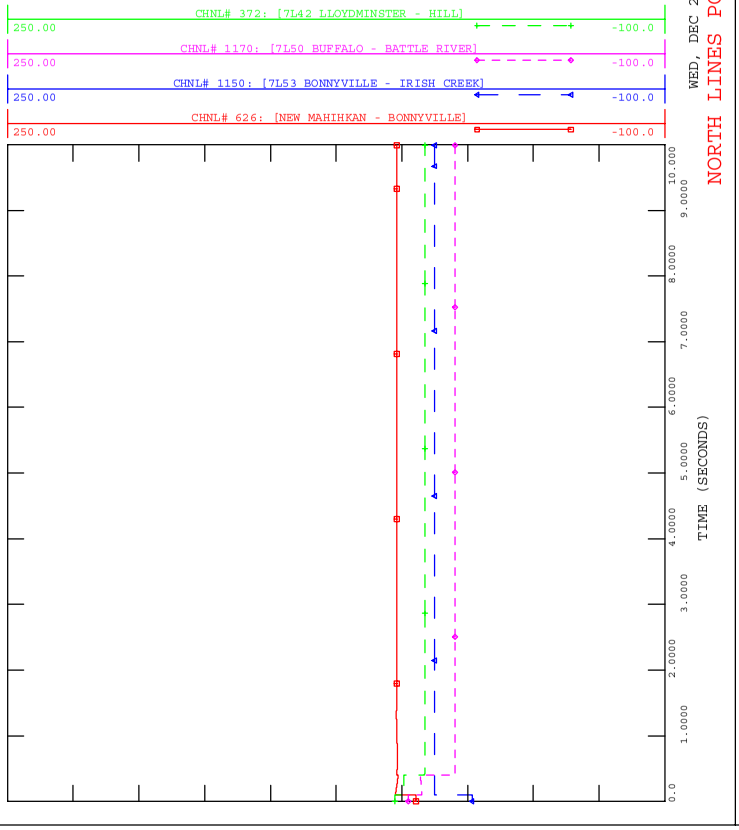
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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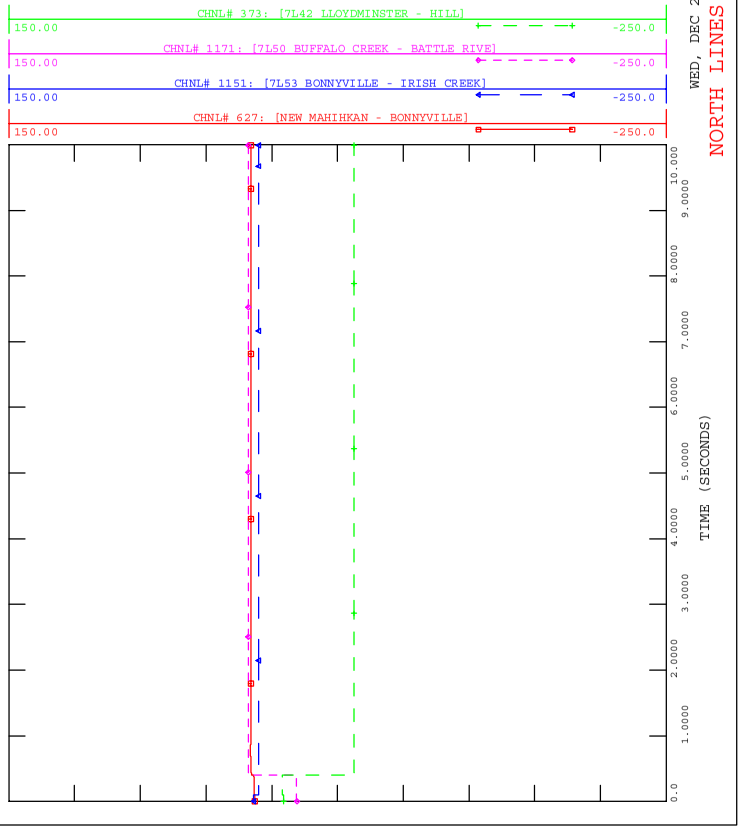
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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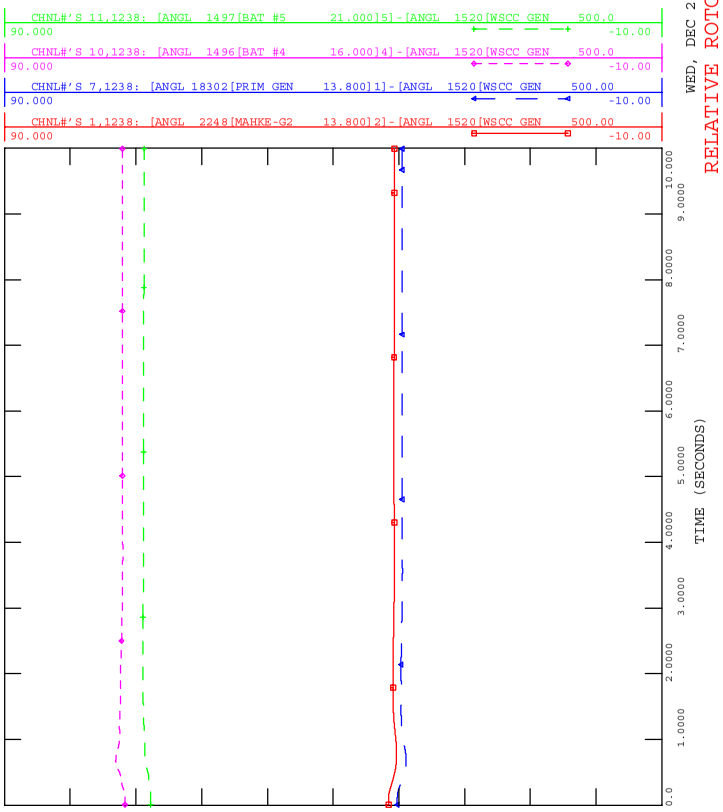


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

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RELATIVE ROTOR ANGLES

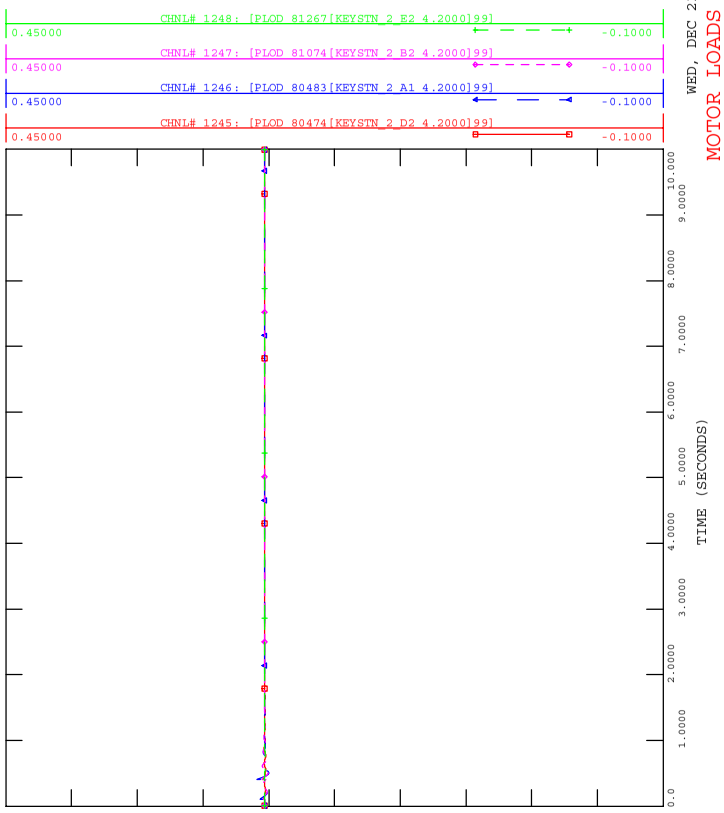


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

MOTOR LOADS GROUP II

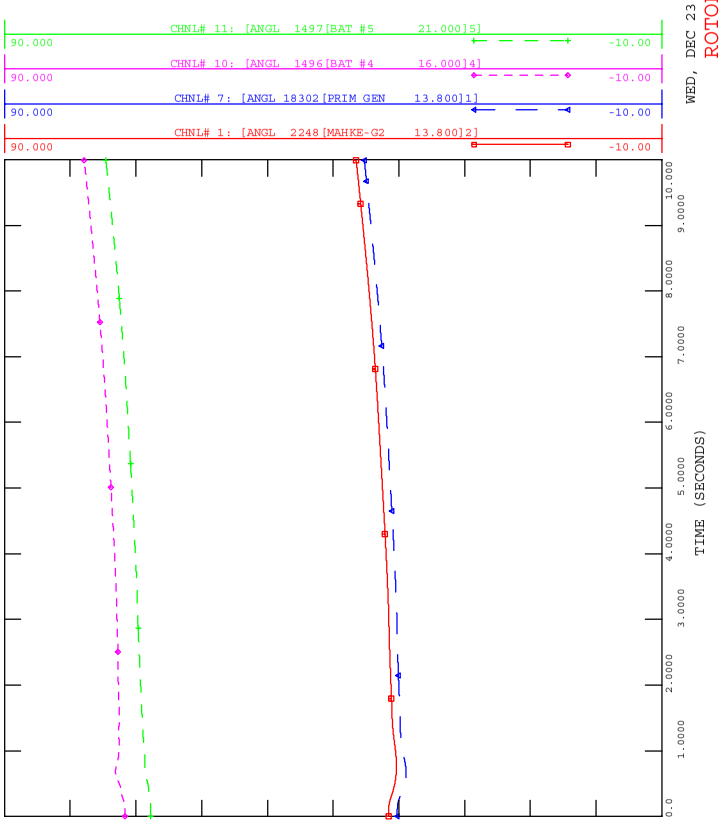


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out

WED, DEC 23 2009 15:54

ROTOR ANGLES

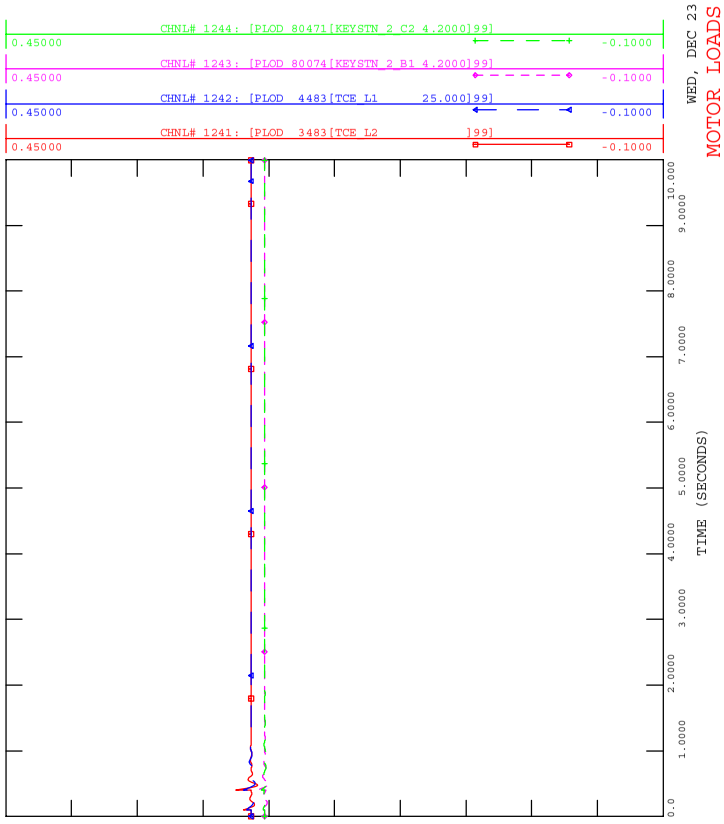


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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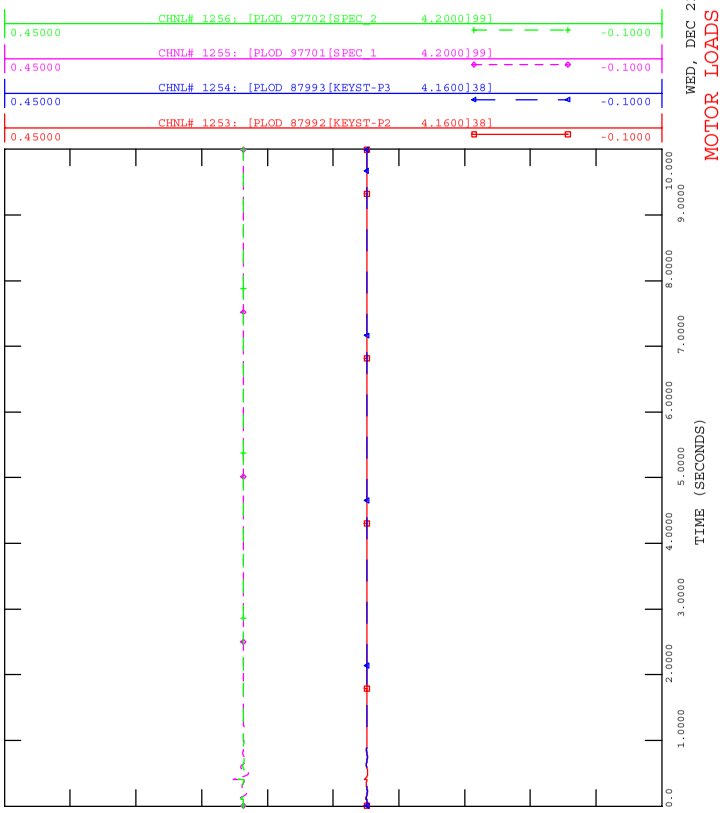
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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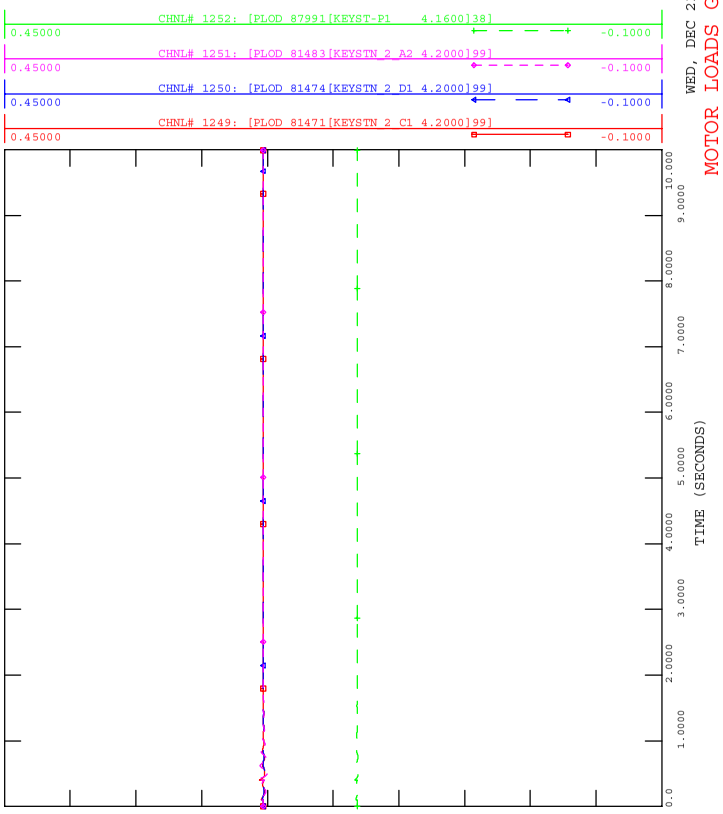


WED, DEC 23 2009 15:54

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-1fault.out



WED, DEC 23 2009 15:54

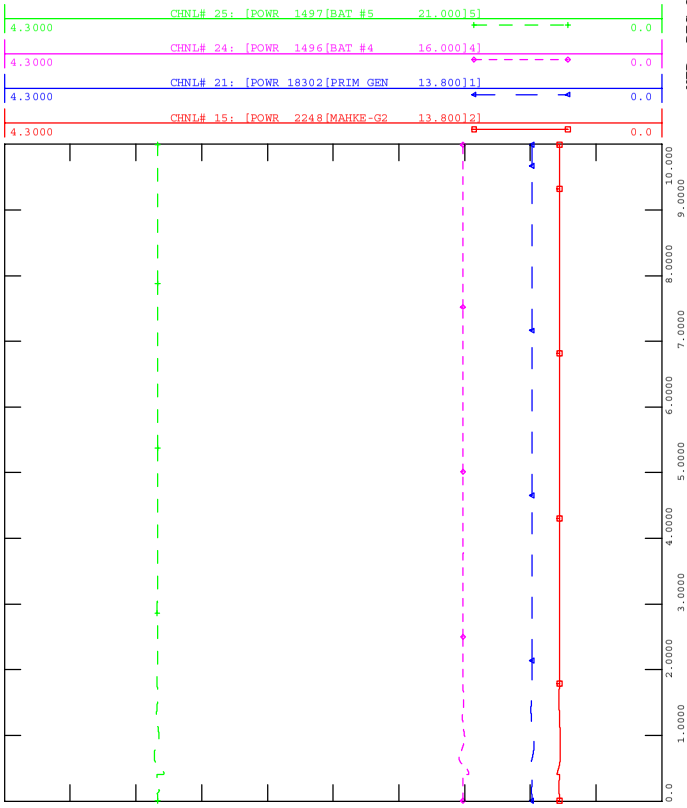
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

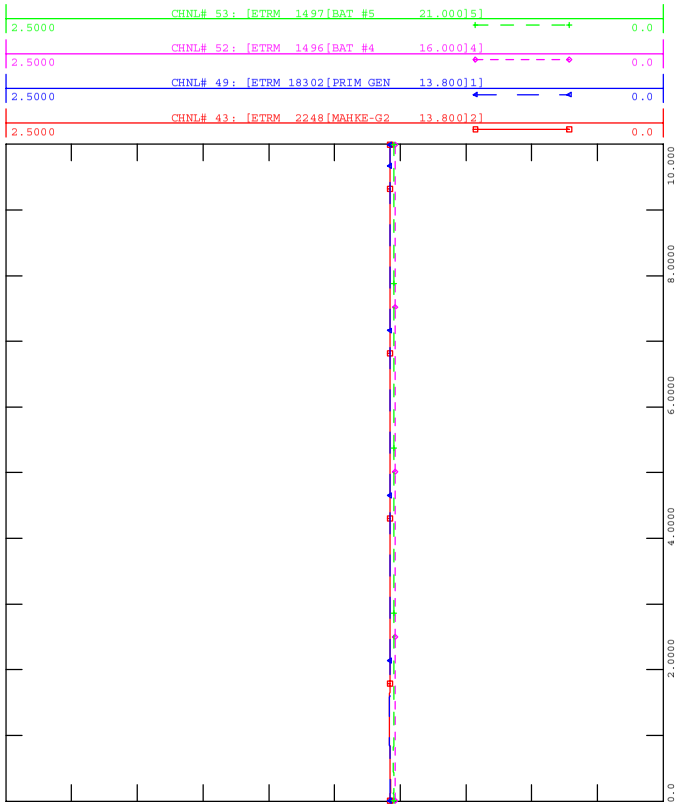


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

MACHINE TERMINAL VOLTAGE

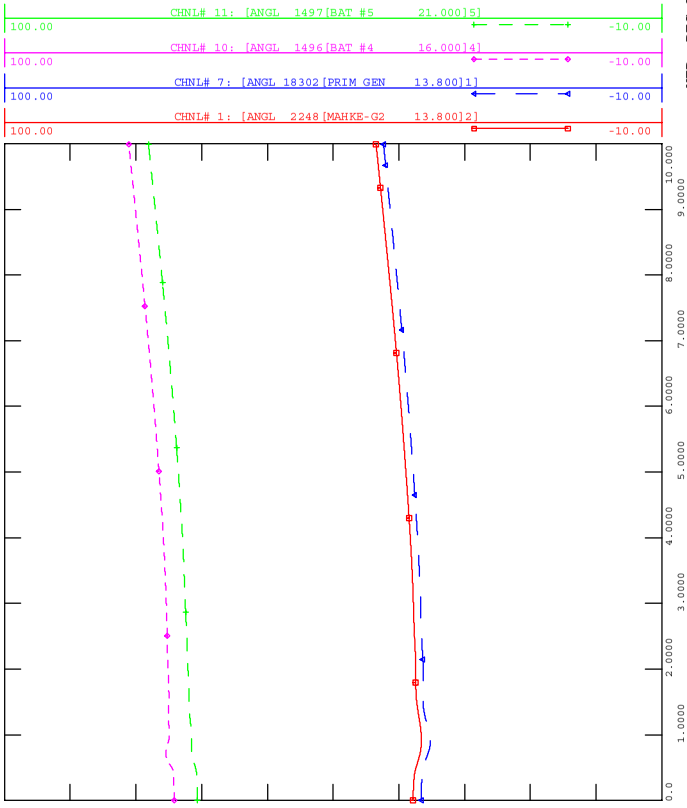


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:54

ROTOR ANGLES

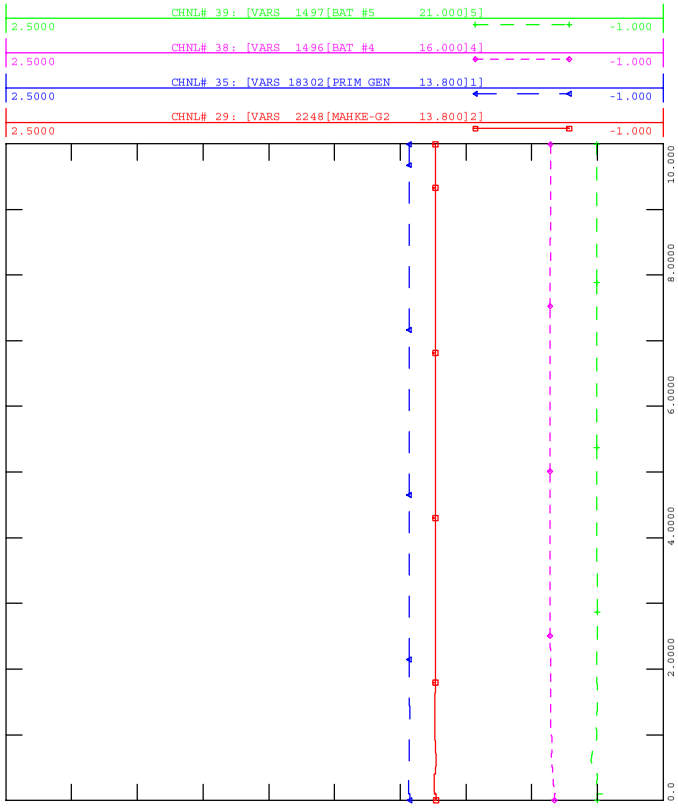


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

MACHINE VARS

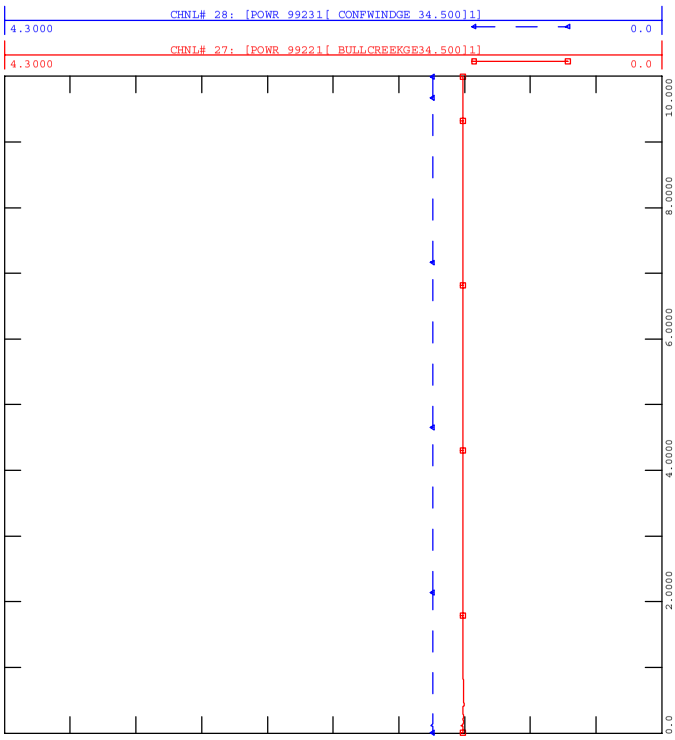


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

WIND MACHINE POWER

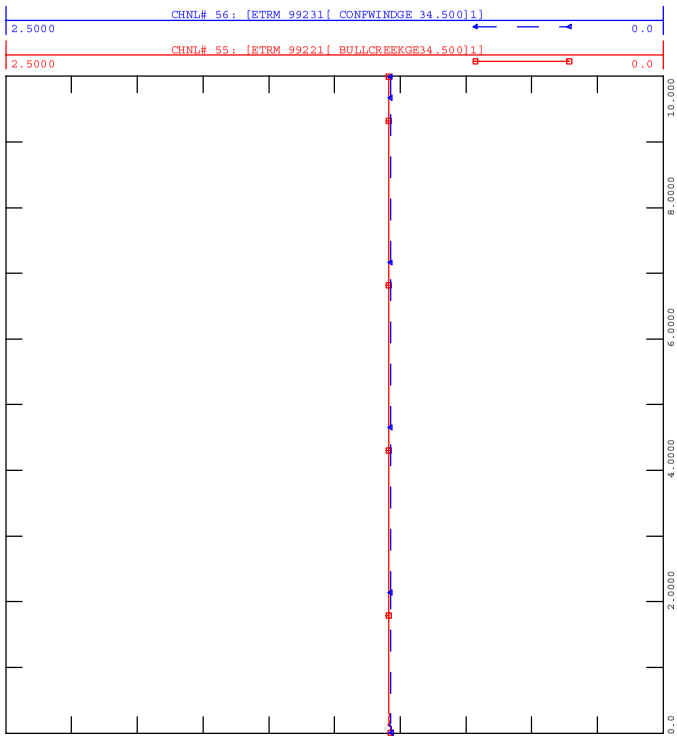


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

WIND MACH. TERMINAL VOLTS

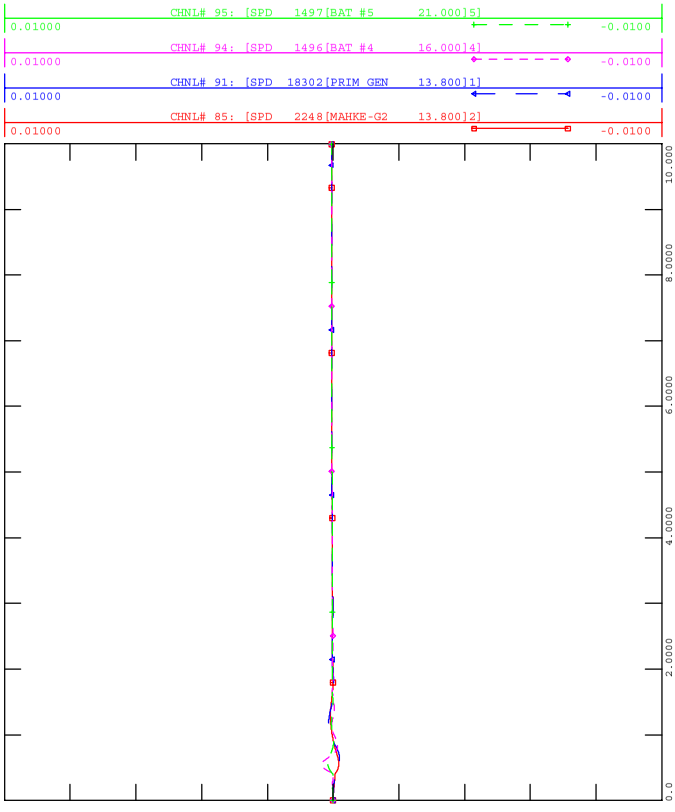


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

MACHINE SPEED

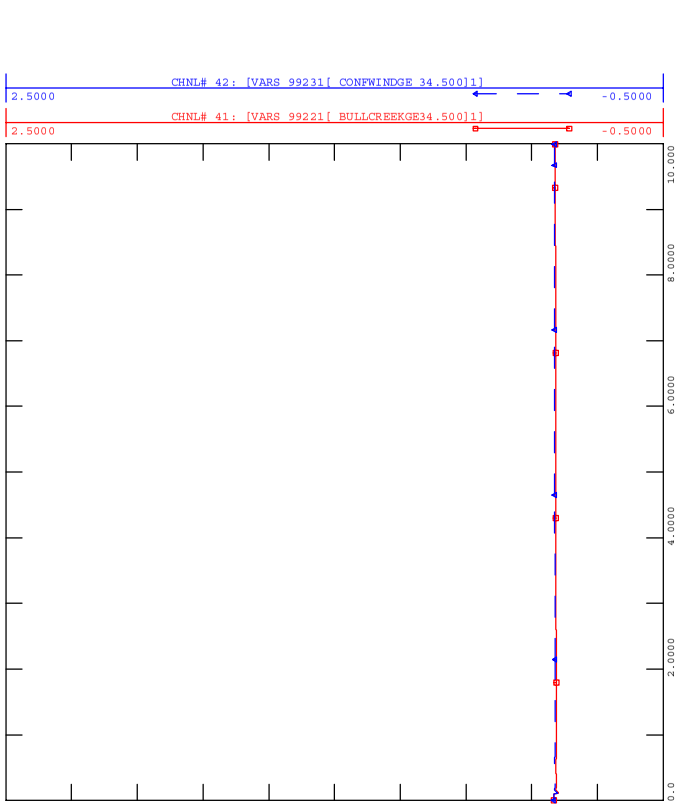


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

WIND MACHINE VARS

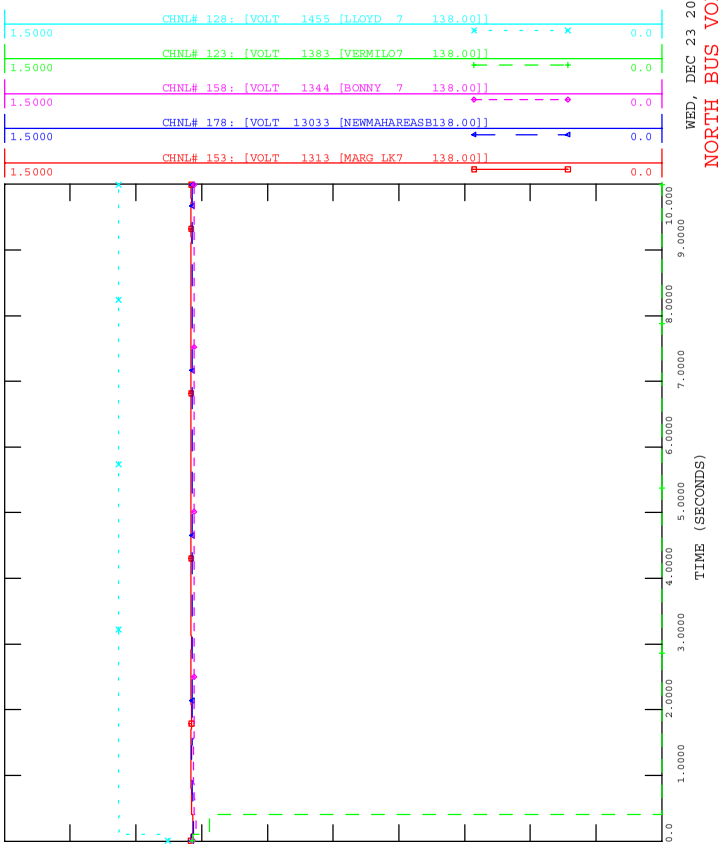


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

NORTH BUS VOLTAGES

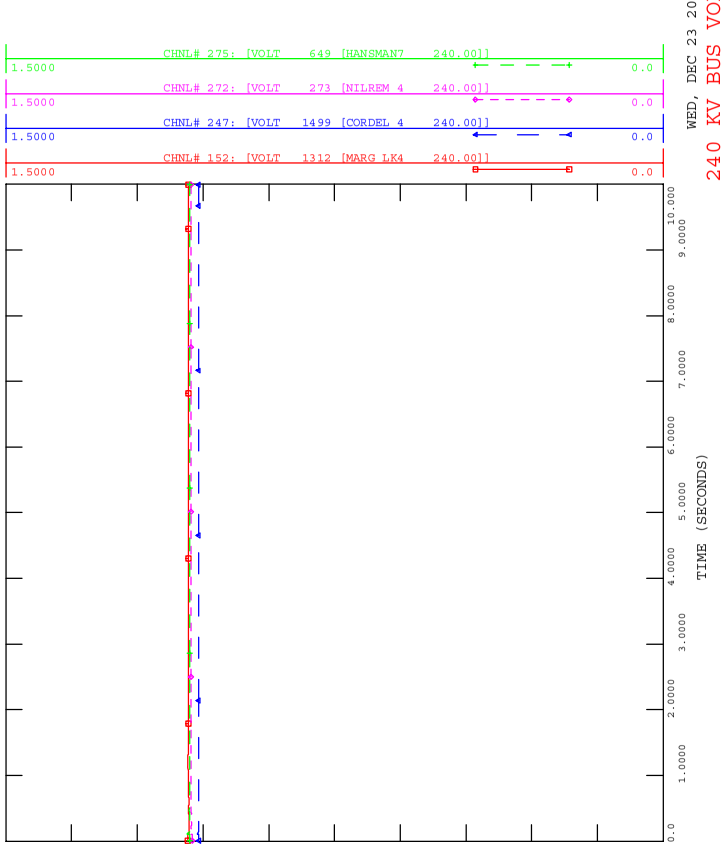


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

240 KV BUS VOLTAGES

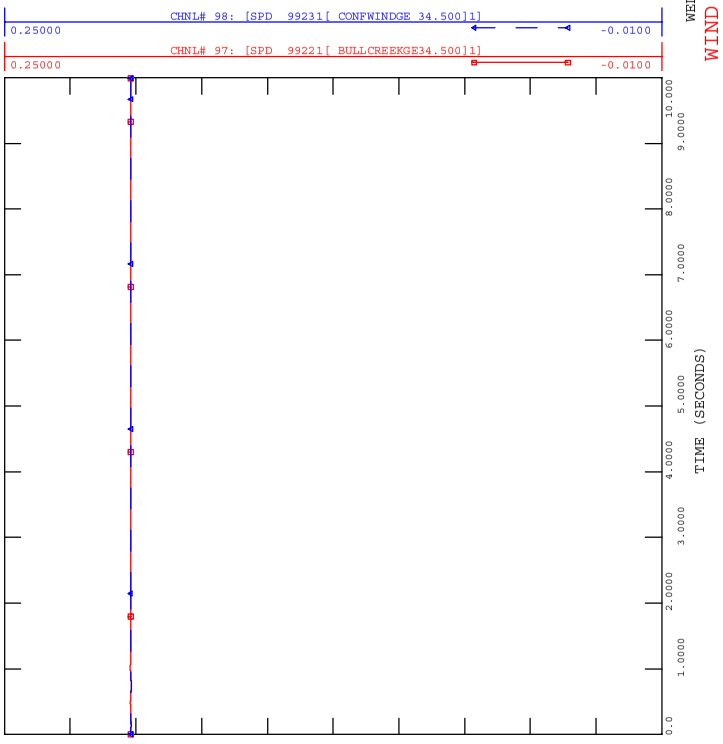


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

WIND MACHINE SPEED

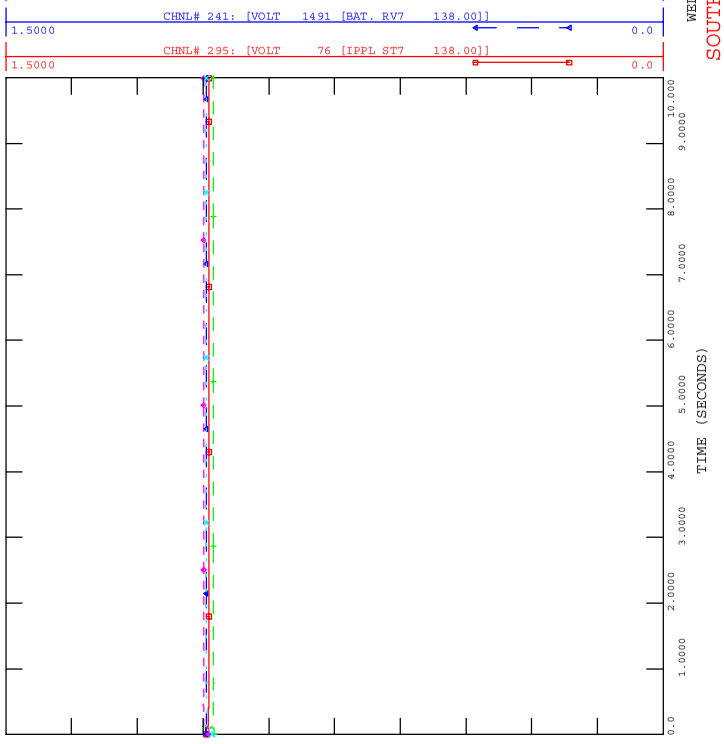


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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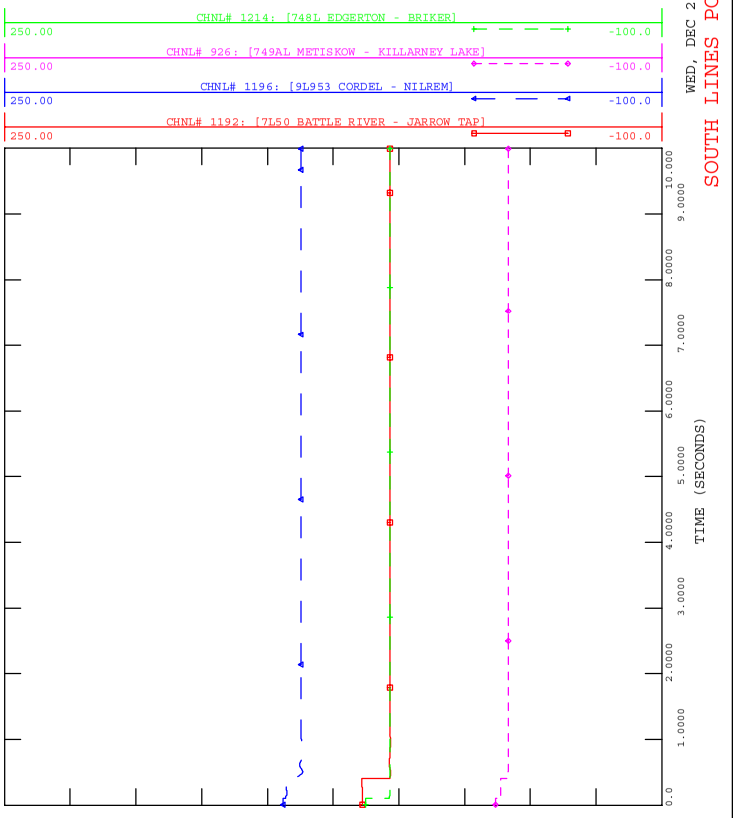
WED, DEC 23 2009 15:54

SOUTH BUS VOLTAGES



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

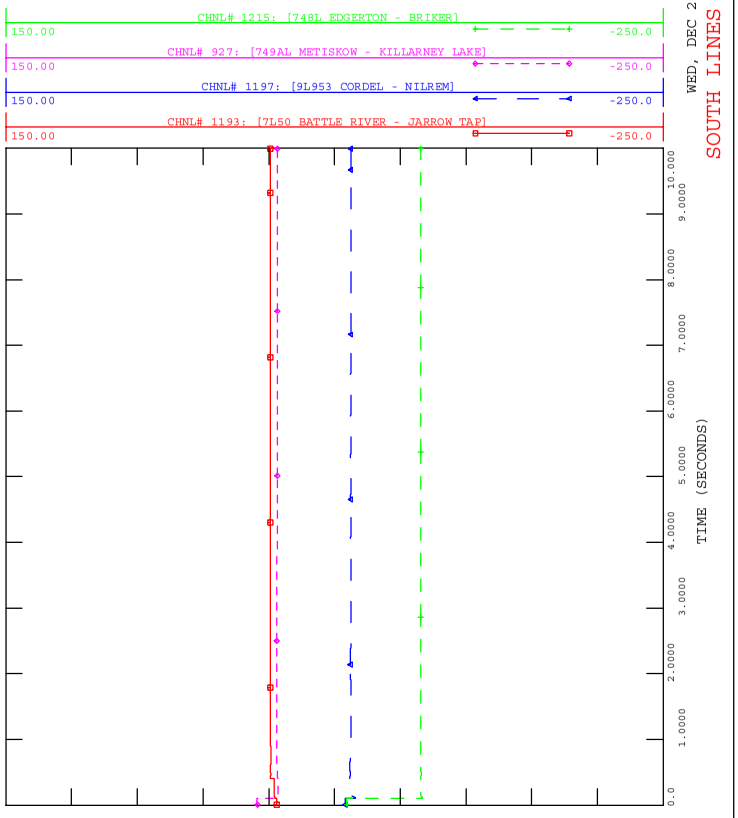


WED, DEC 23 2009 15:54

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

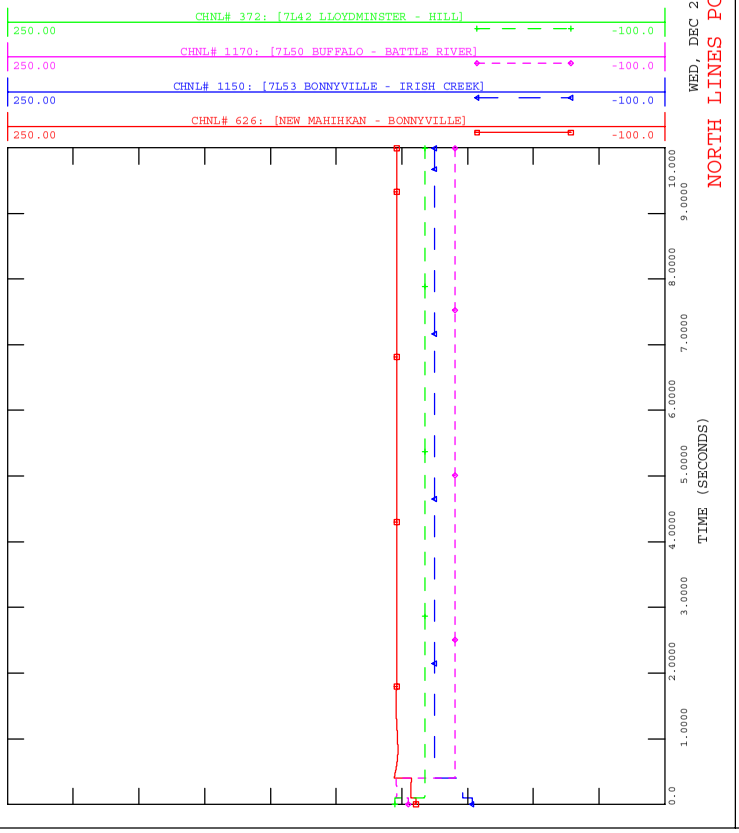


WED, DEC 23 2009 15:54

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

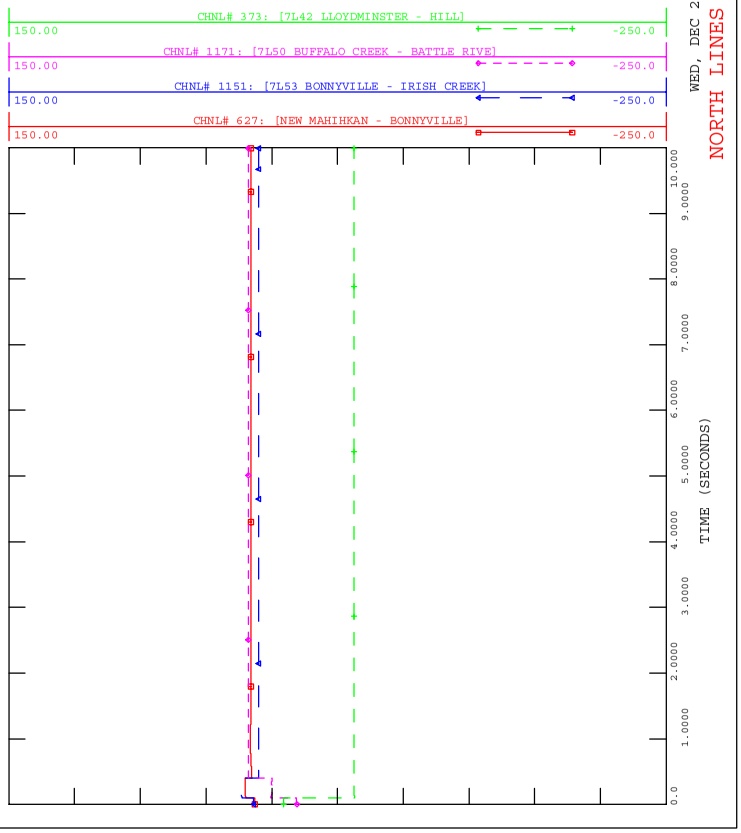


WED, DEC 23 2009 15:54

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out



WED, DEC 23 2009 15:54

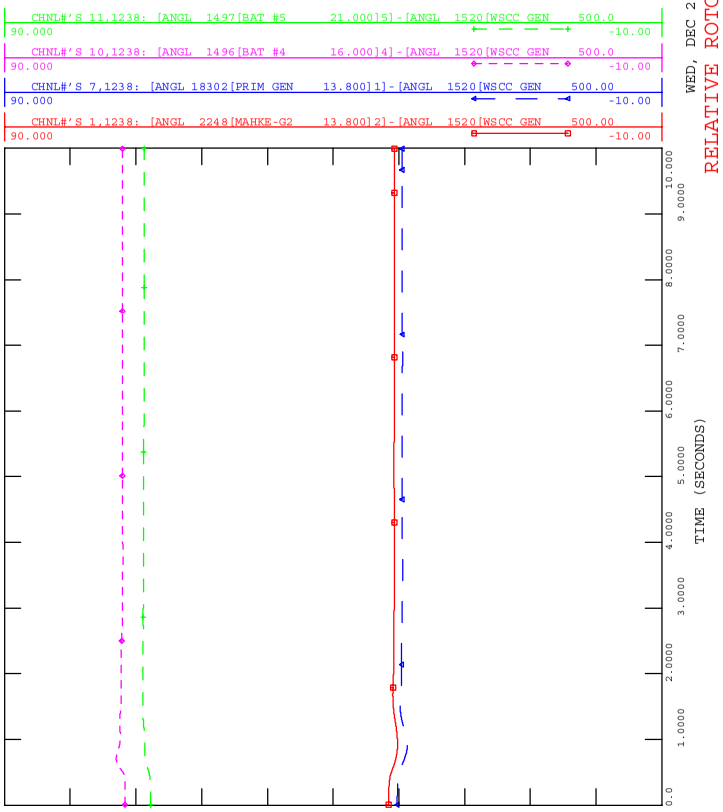
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

RELATIVE ROTOR ANGLES

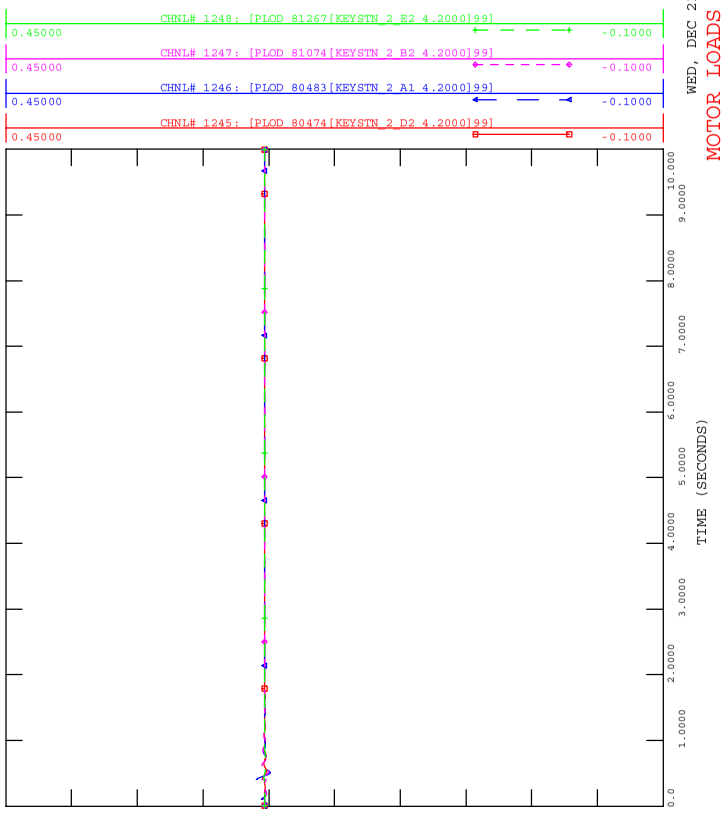


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

WED, DEC 23 2009 15:54

MOTOR LOADS GROUP II

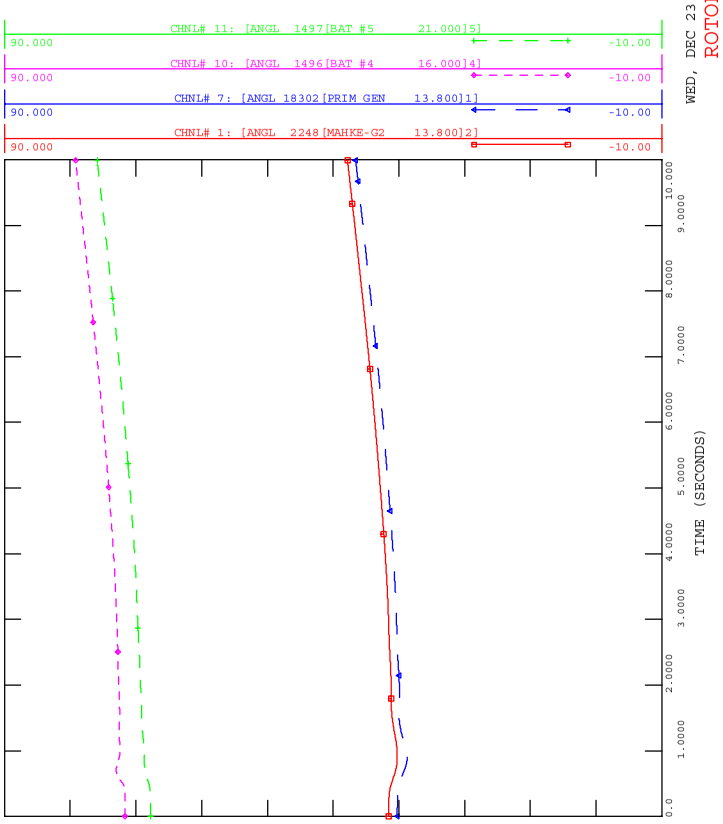


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

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ROTOR ANGLES

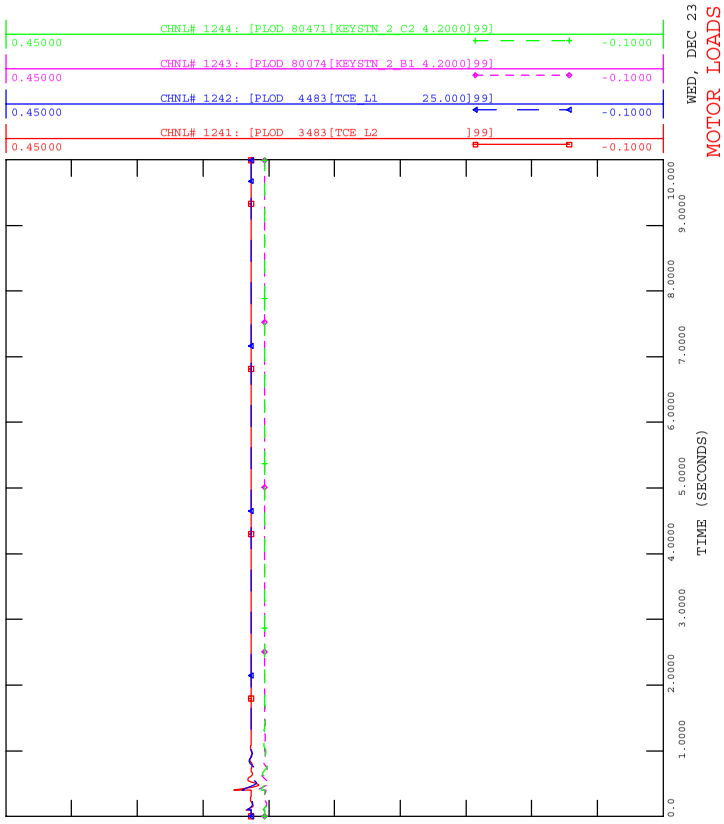


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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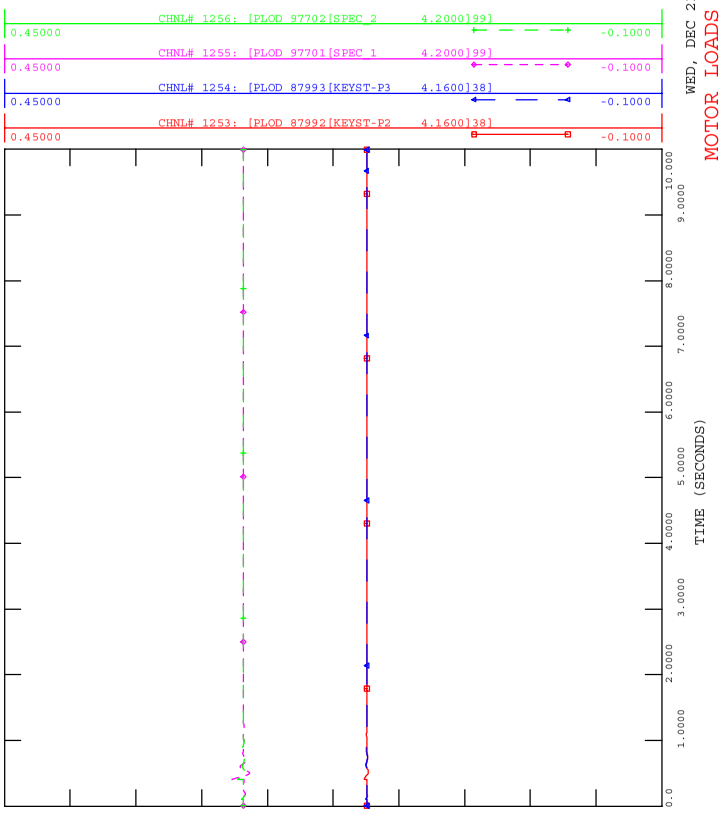
WED, DEC 23 2009 15:54

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out

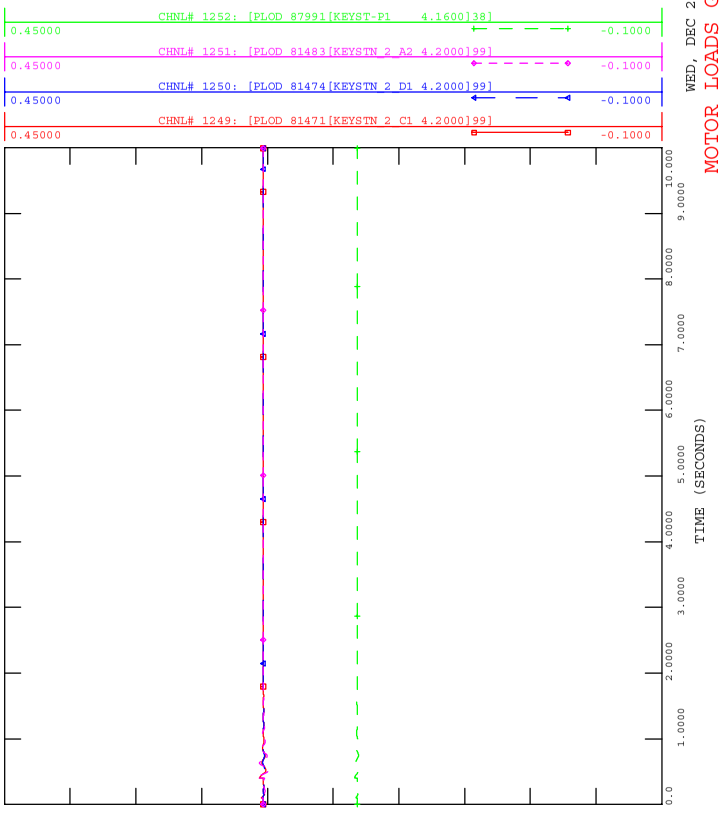


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-2fault.out



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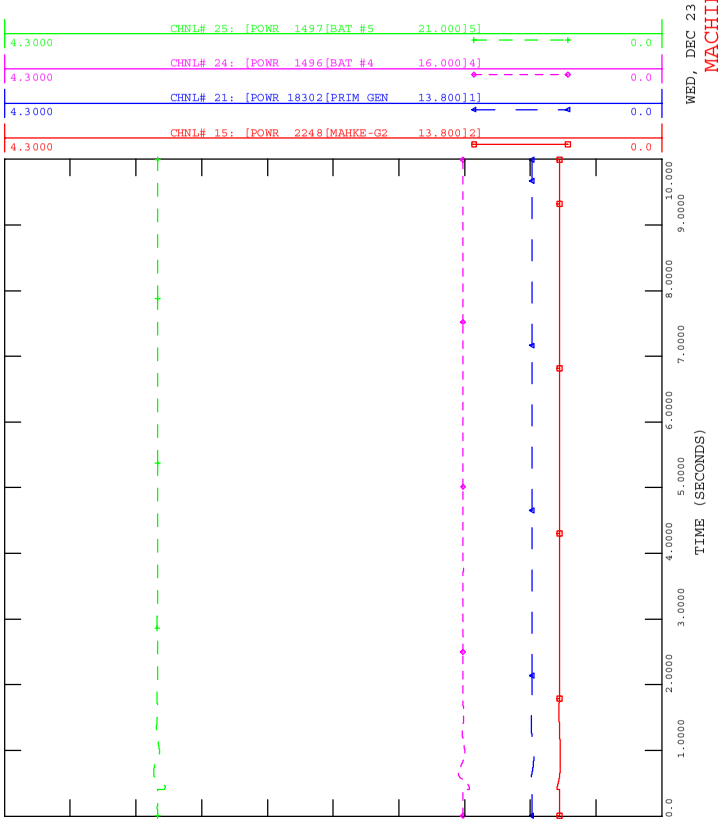
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

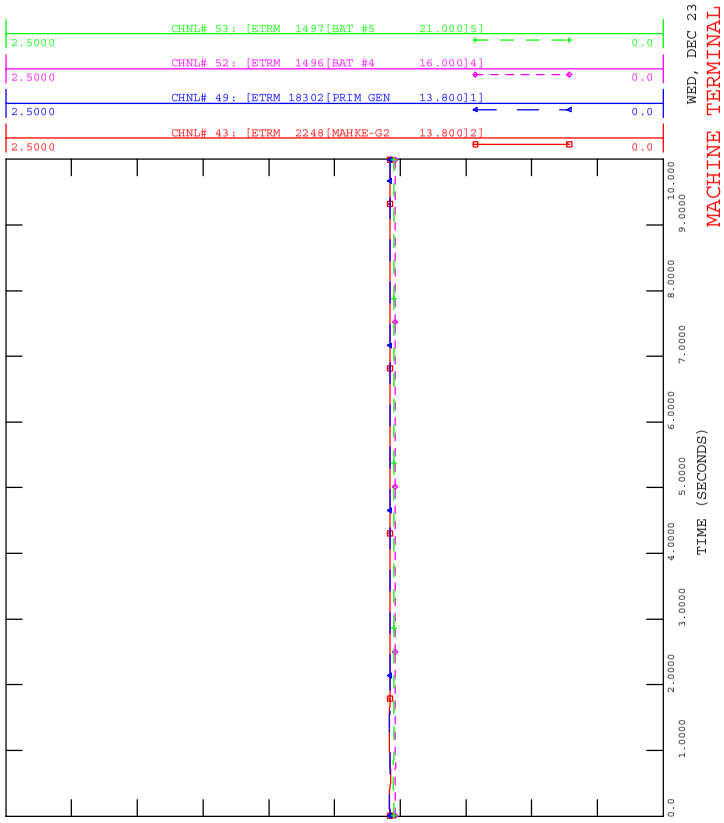


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

WED, DEC 23 2009 15:54

MACHINE TERMINAL VOLTAGE

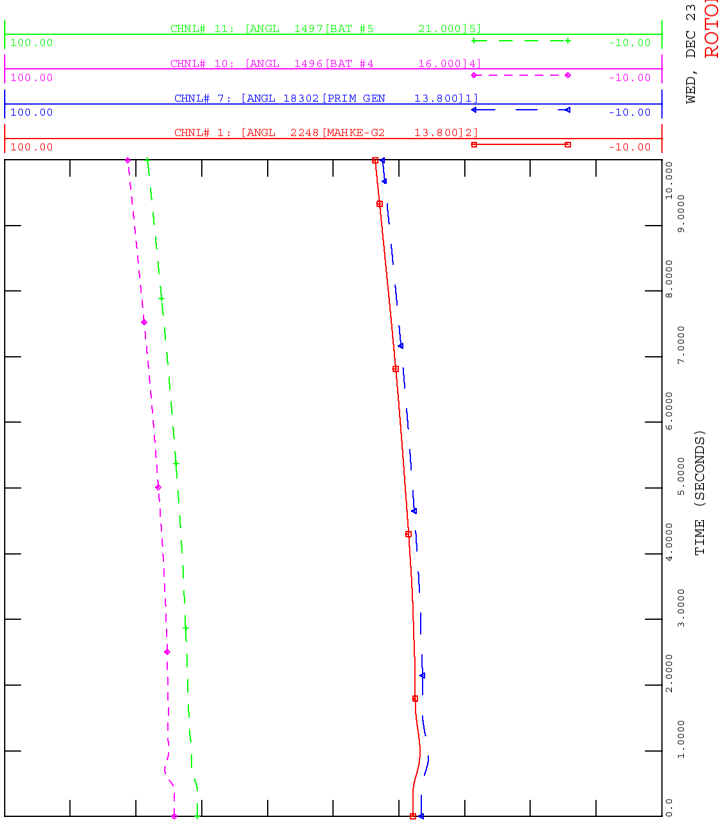


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

WED, DEC 23 2009 15:54

ROTOR ANGLES

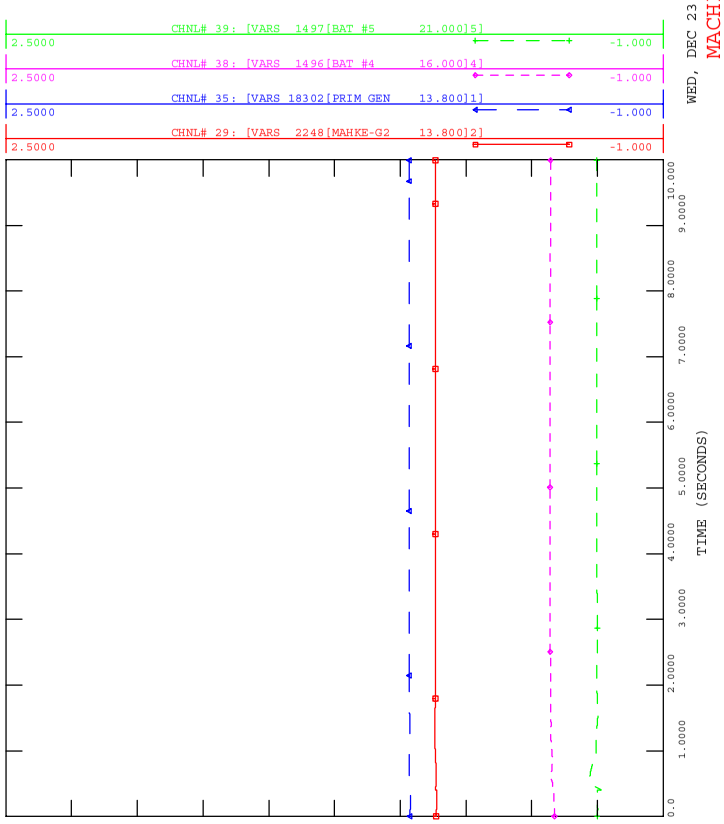


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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MACHINE VARS

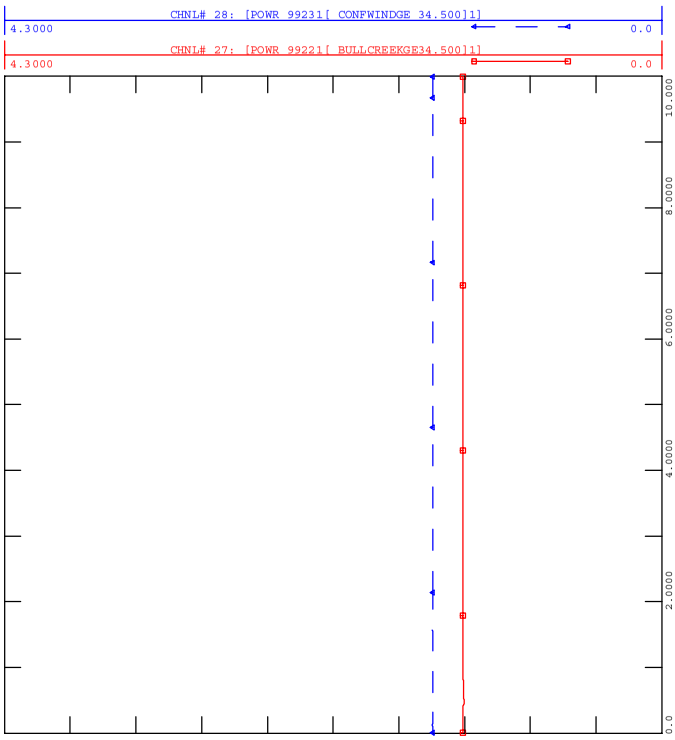


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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WIND MACHINE POWER

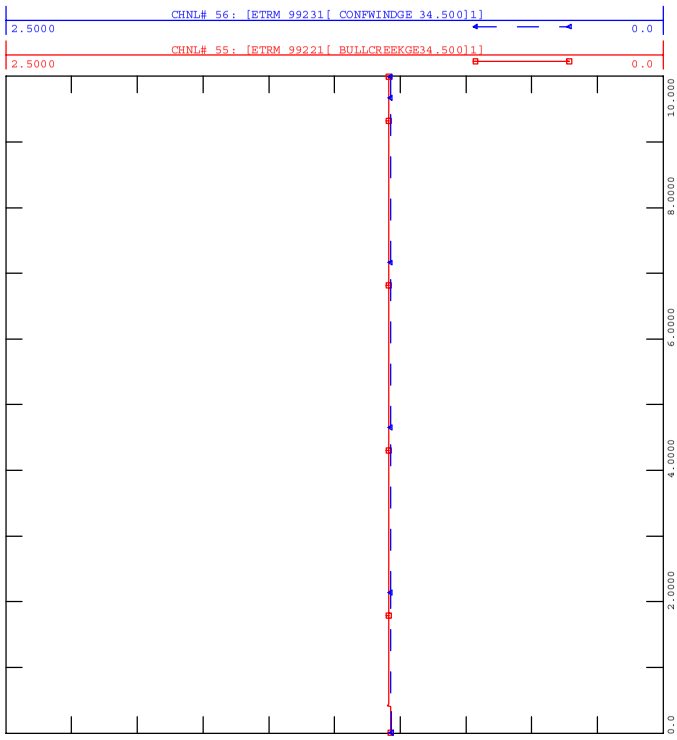


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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WIND MACH. TERMINAL VOLTS

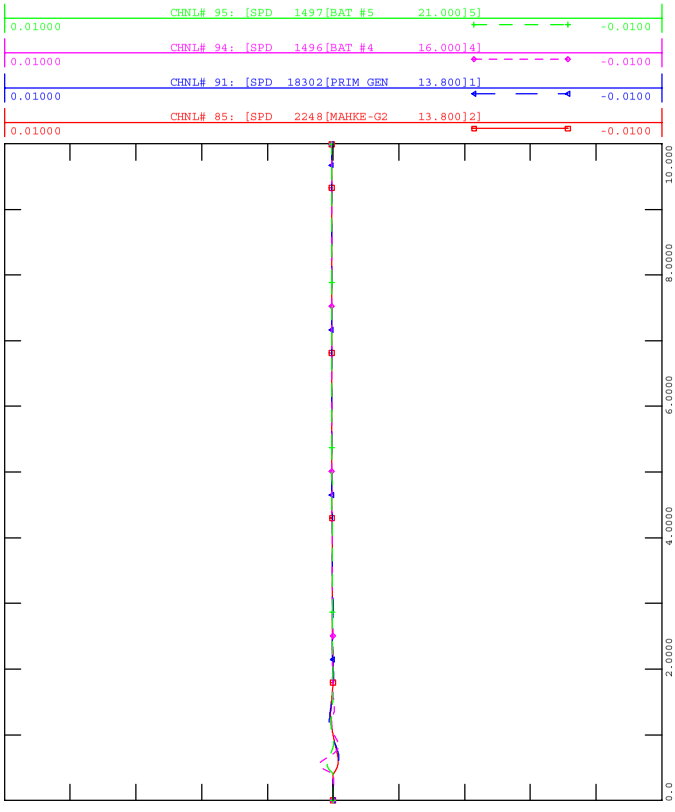


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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MACHINE SPEED

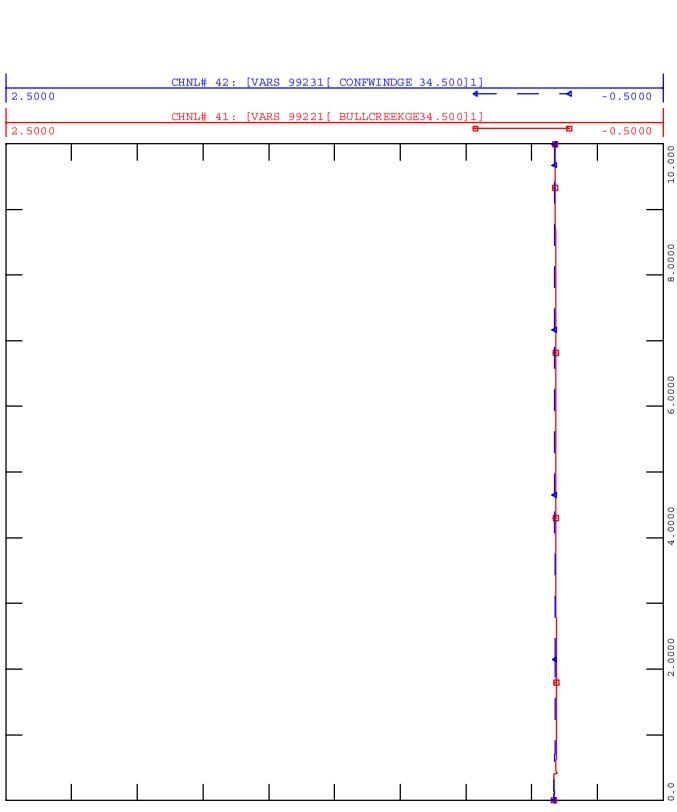


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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WIND MACHINE VARS

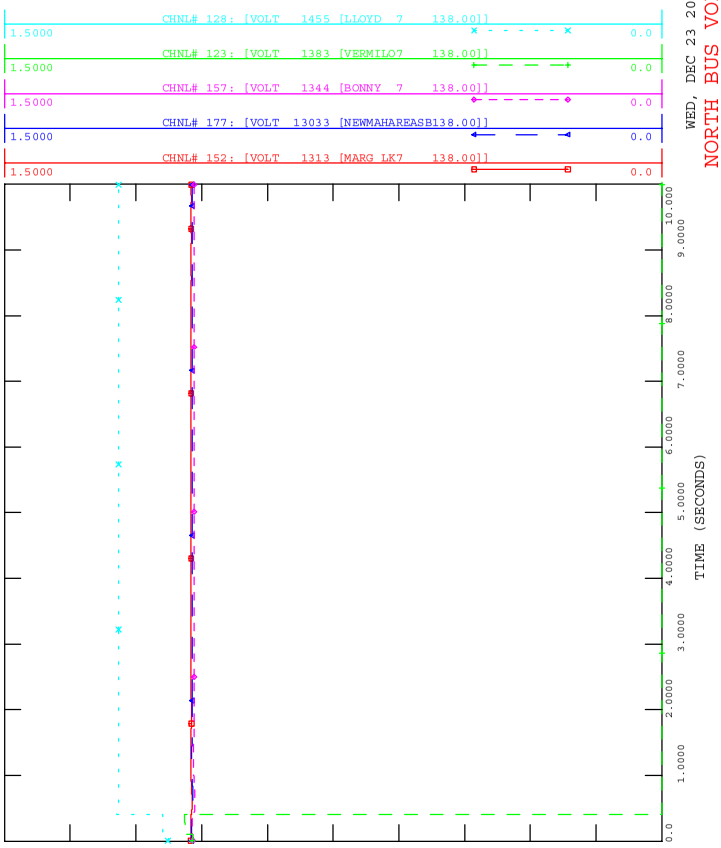


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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NORTH BUS VOLTAGES

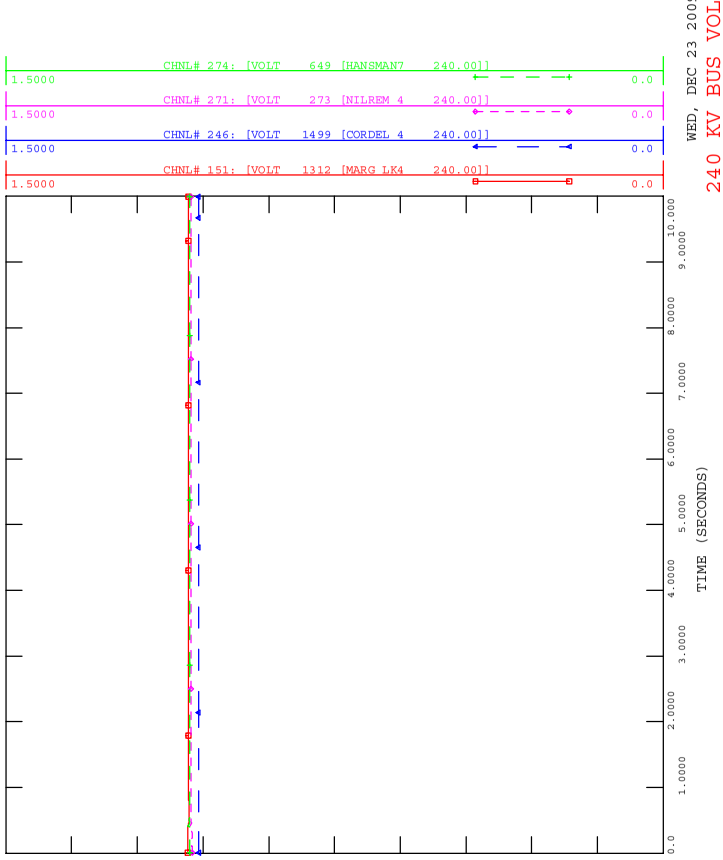


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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240 KV BUS VOLTAGES

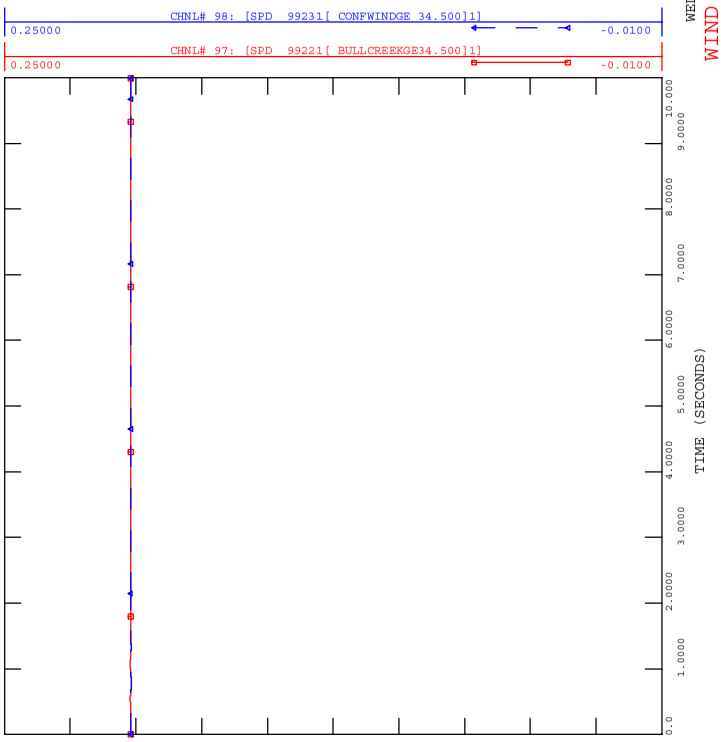


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

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WIND MACHINE SPEED

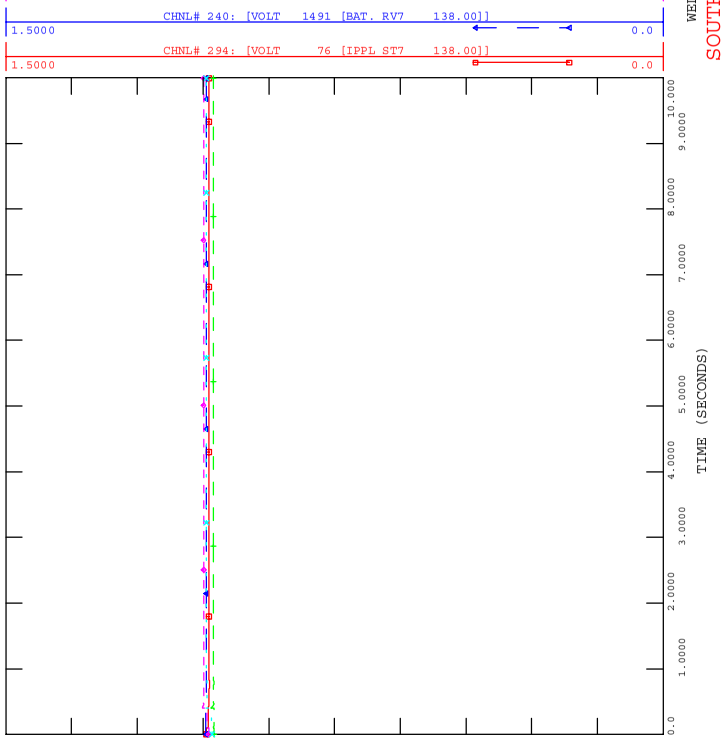


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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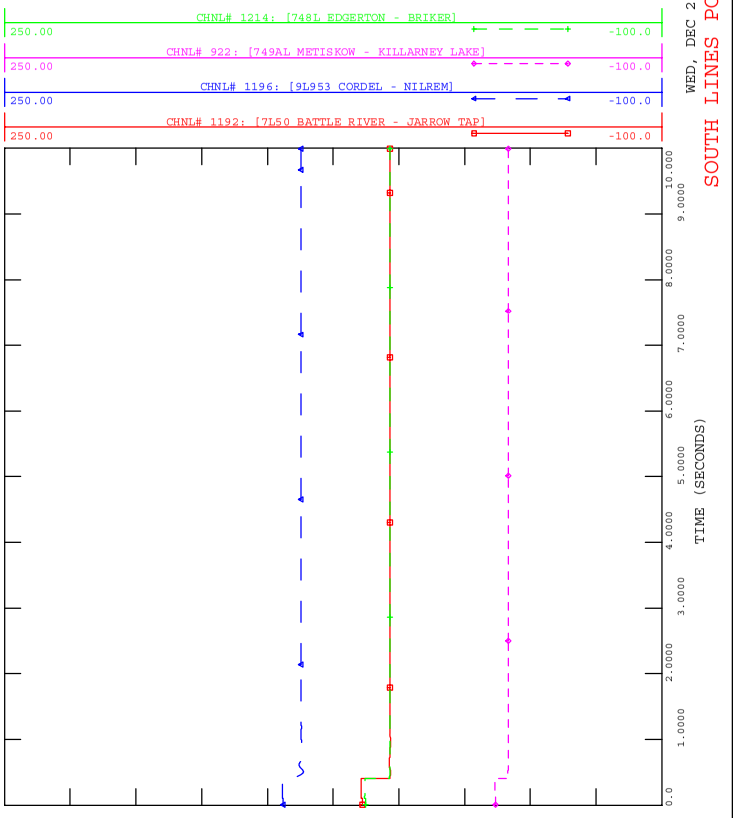
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SOUTH BUS VOLTAGES



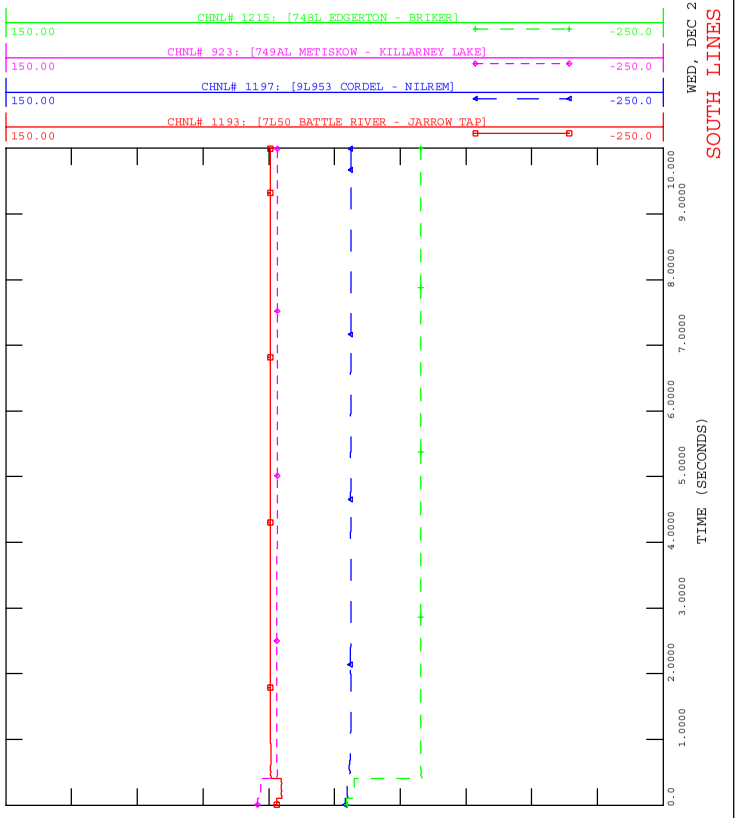
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out



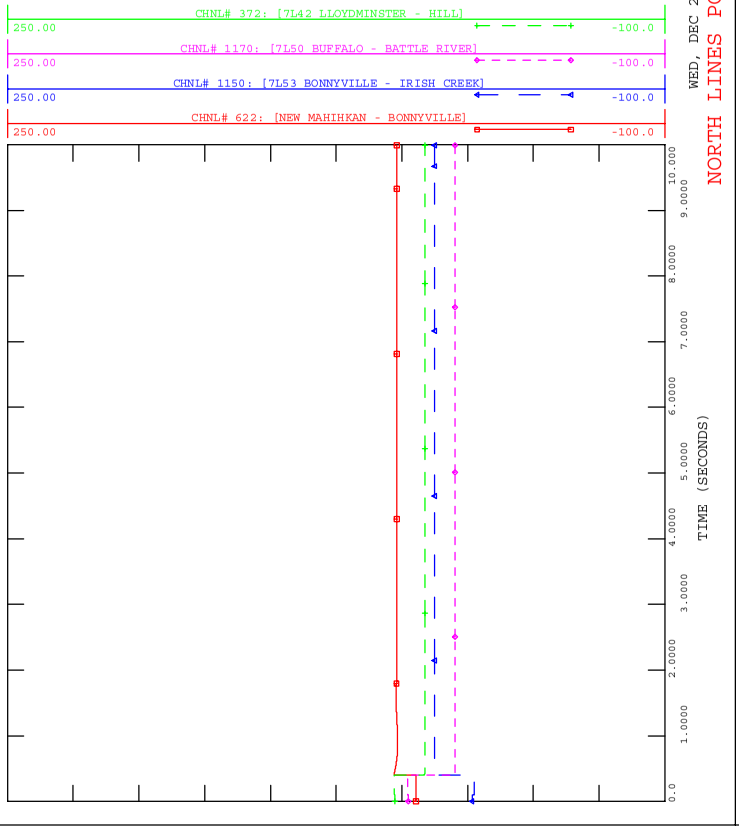
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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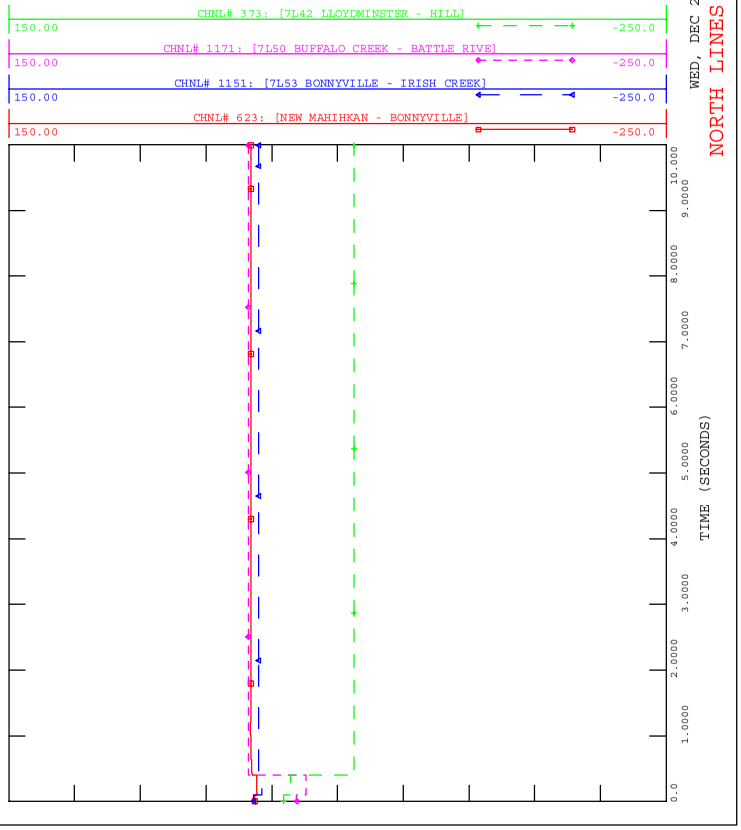
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out



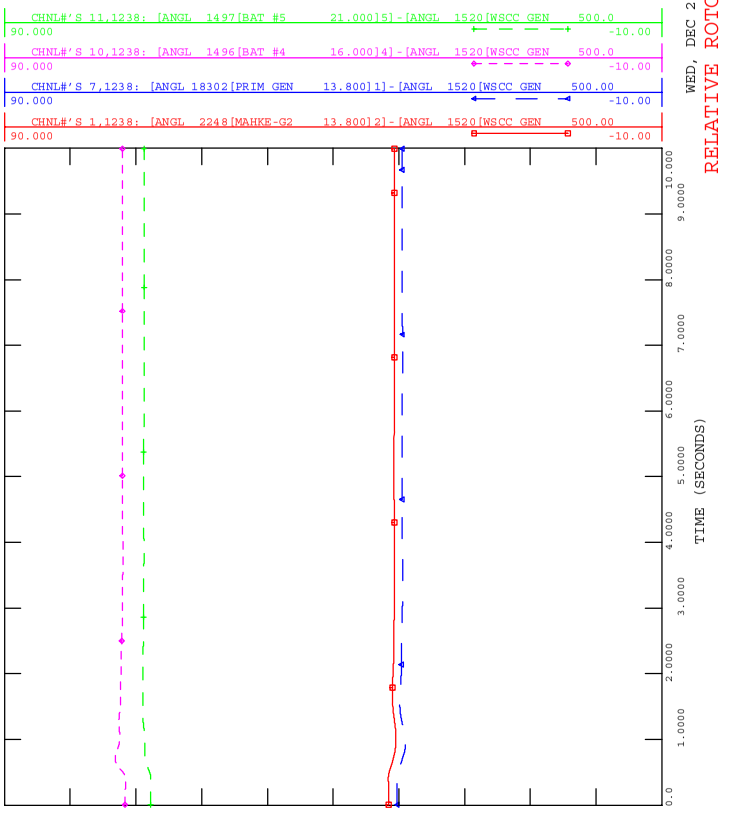
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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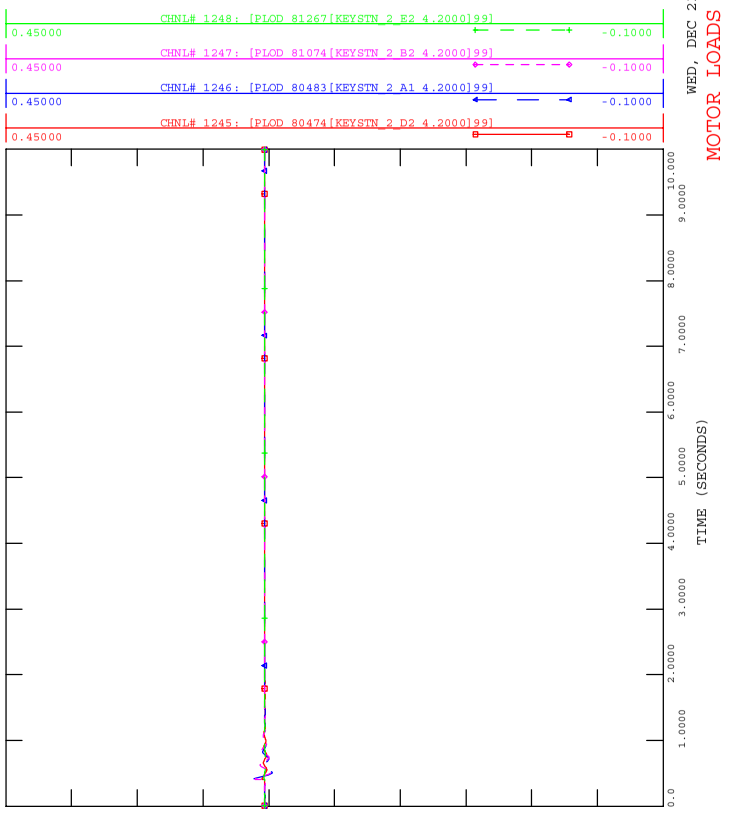


WED, DEC 23 2009 15:54

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

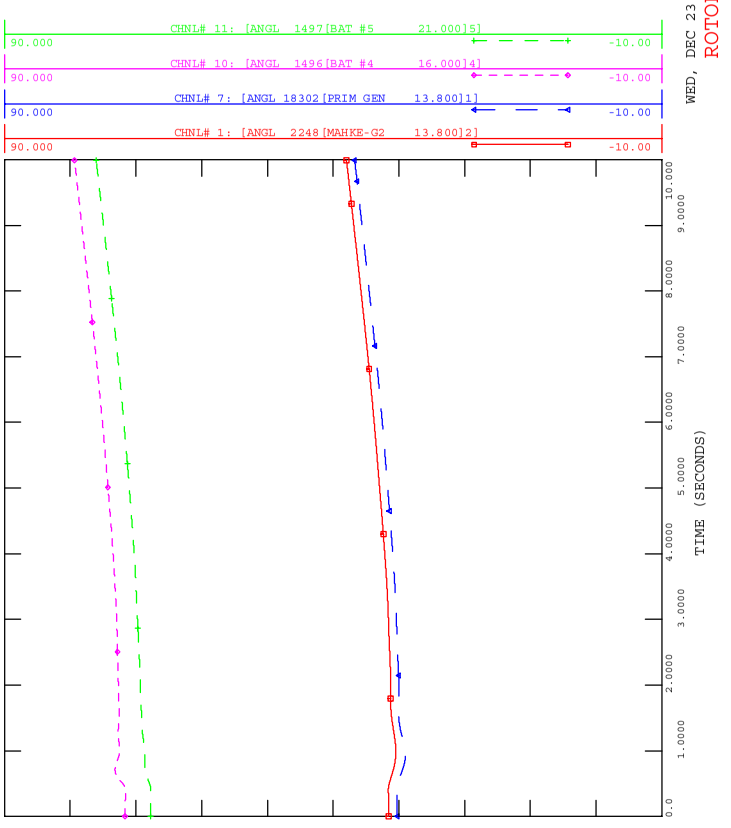


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MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

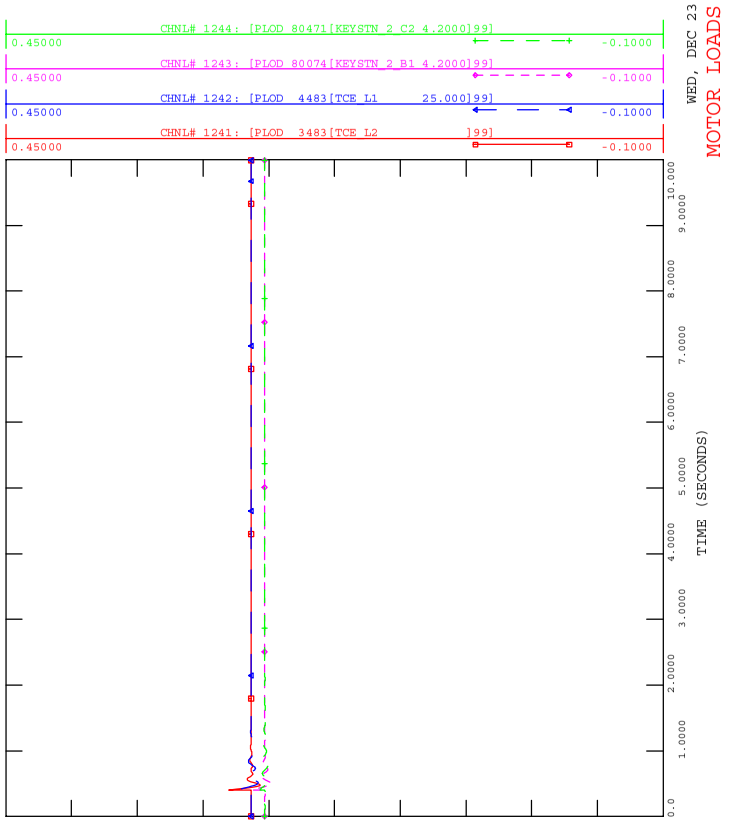


WED, DEC 23 2009 15:54

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

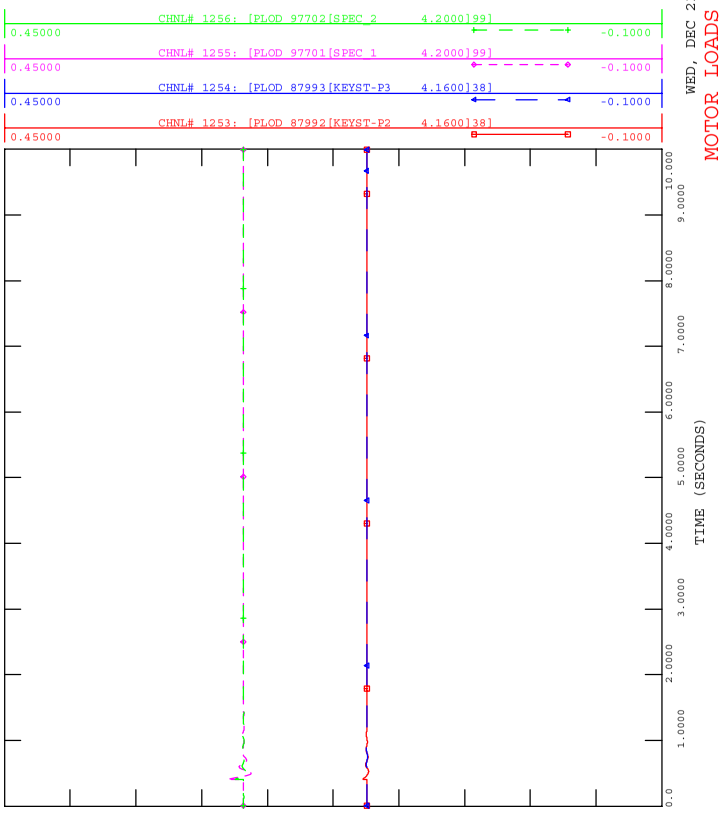


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MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out

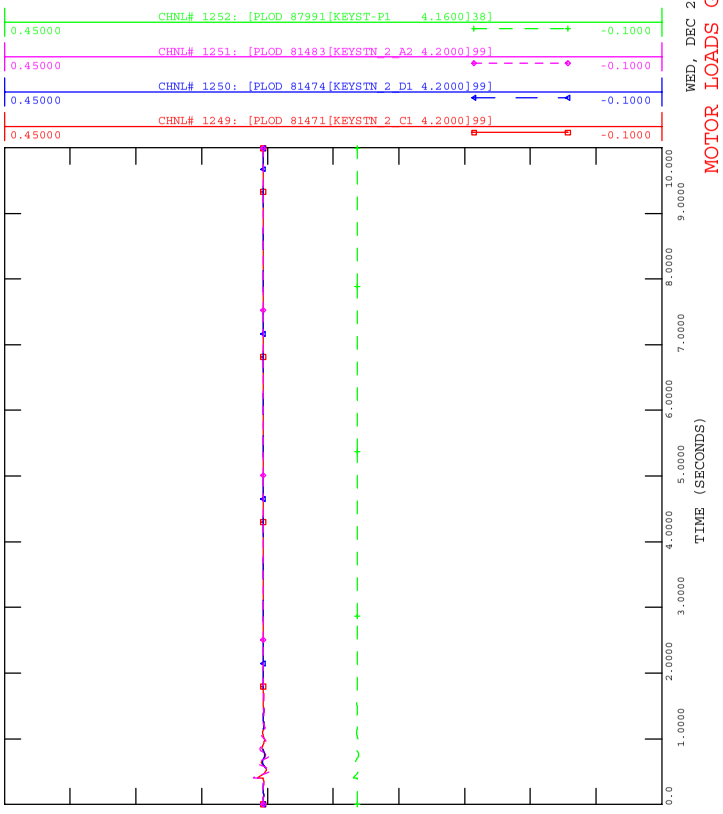


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-3fault.out



WED, DEC 23 2009 15:54

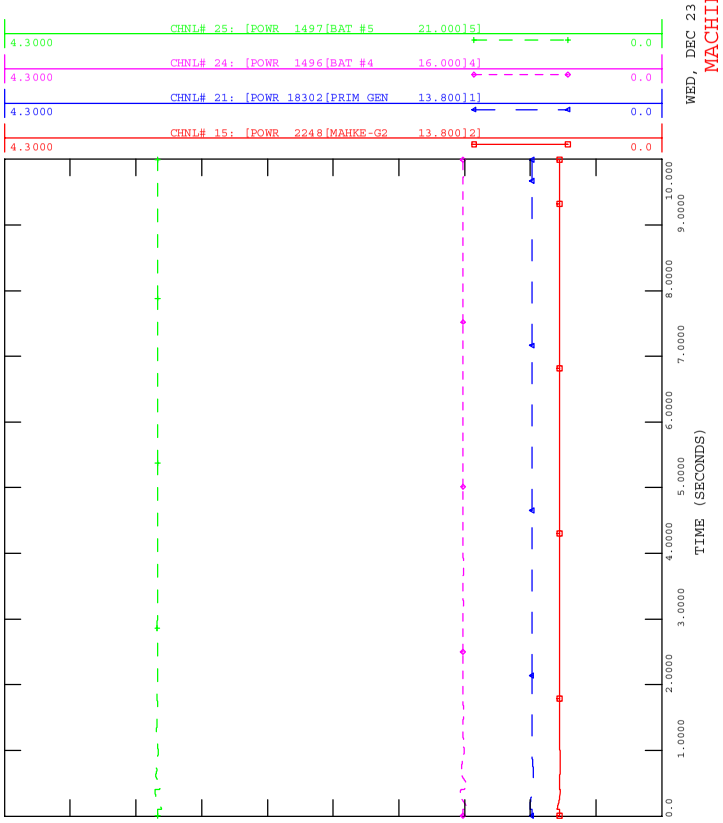
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

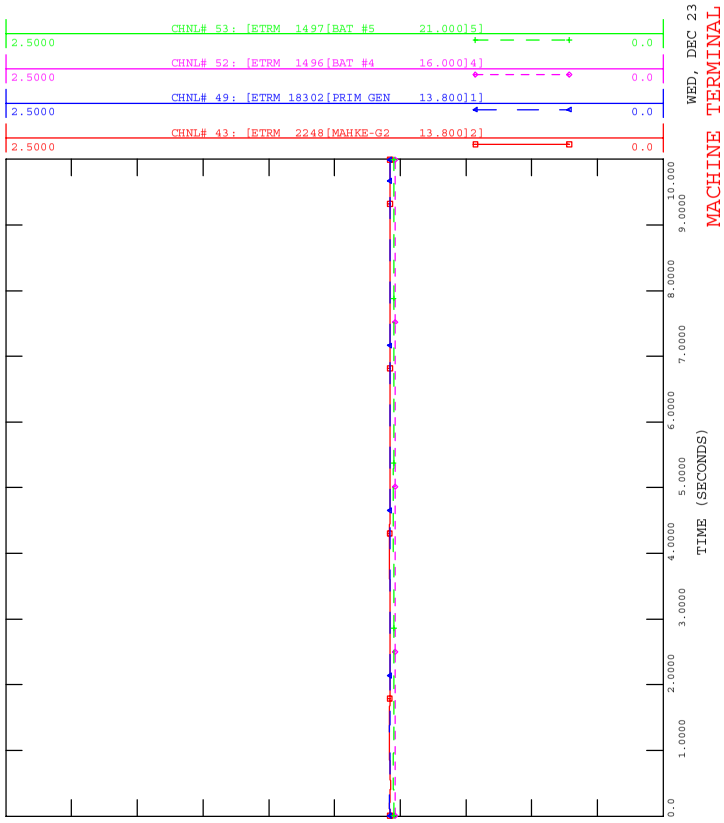


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

MACHINE TERMINAL VOLTAGE

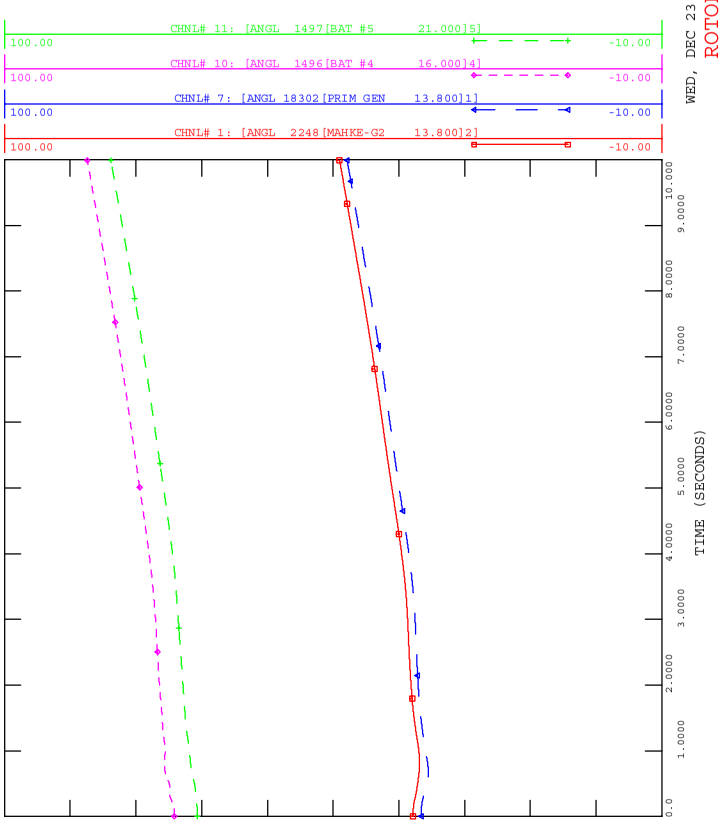


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

ROTOR ANGLES

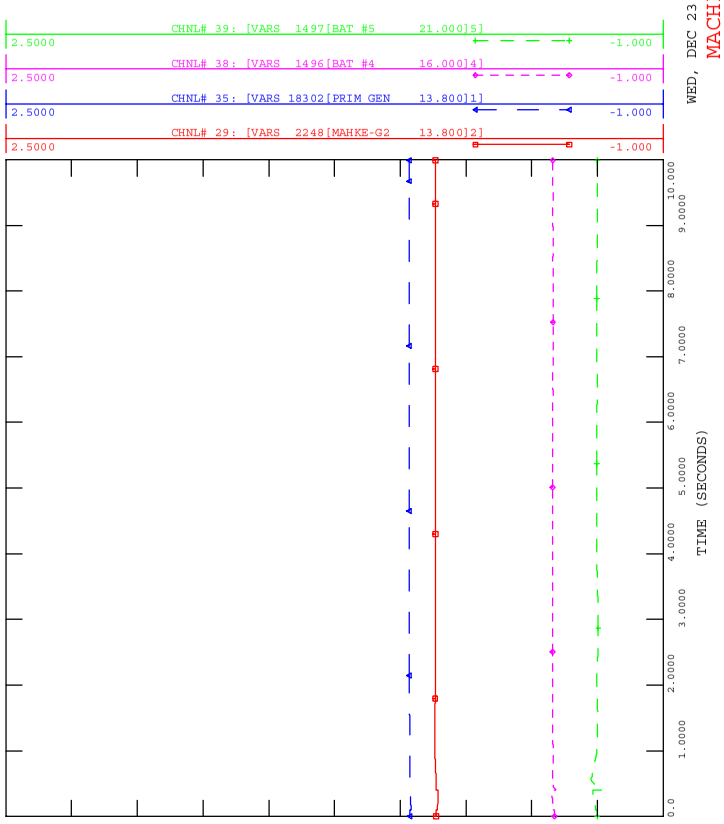


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

MACHINE VARS

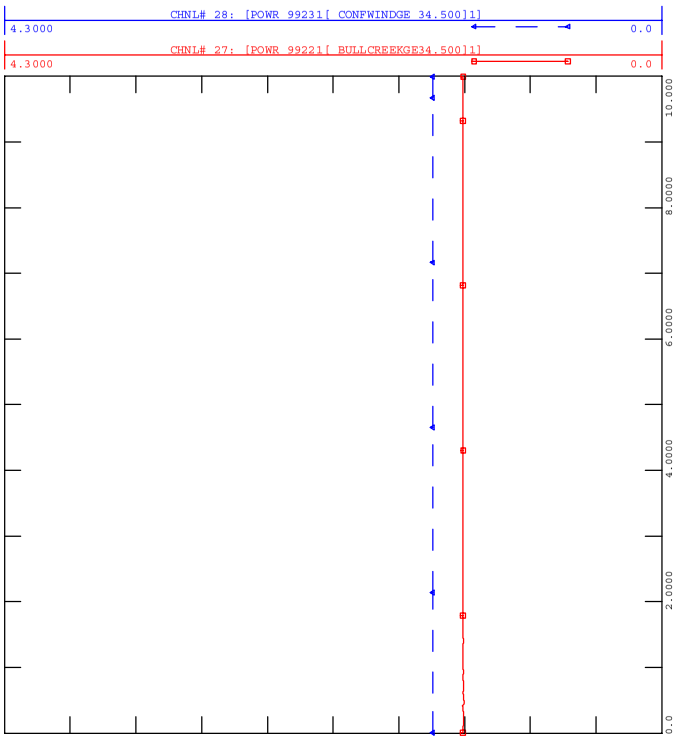


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

WIND MACHINE POWER

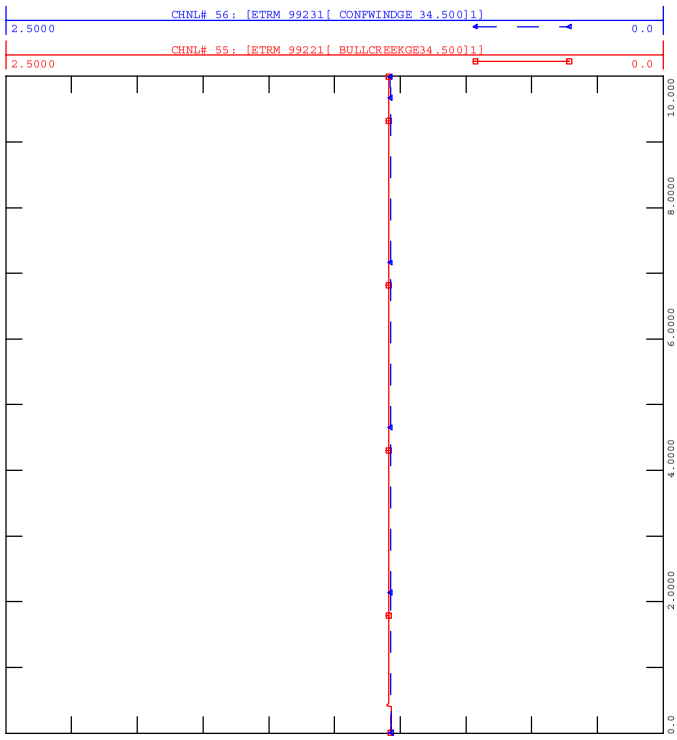


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

WIND MACH. TERMINAL VOLTS

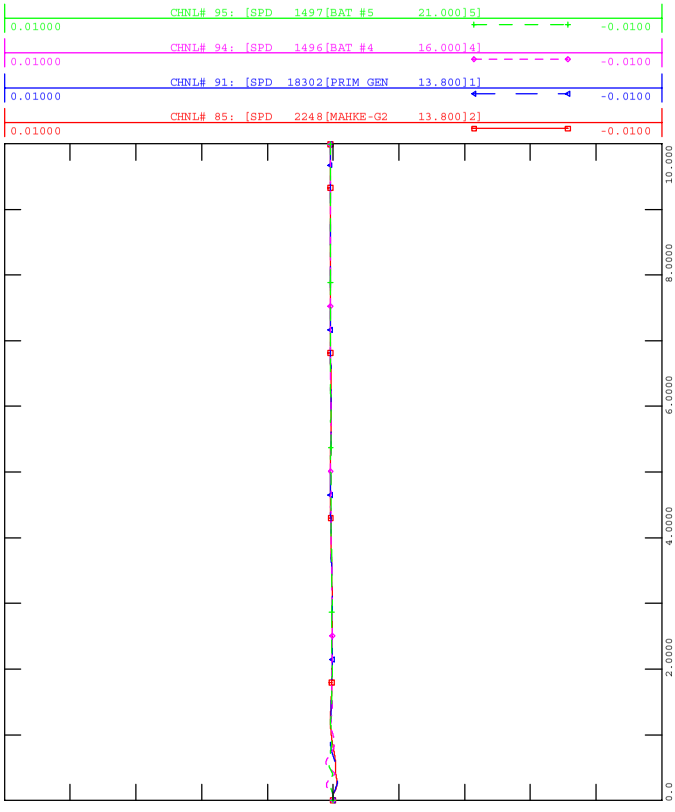


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

MACHINE SPEED

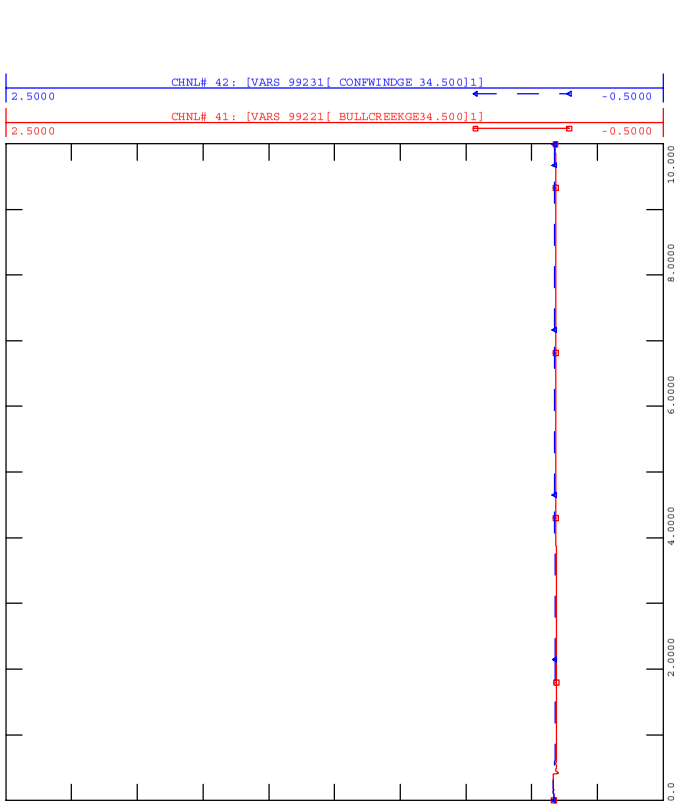


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

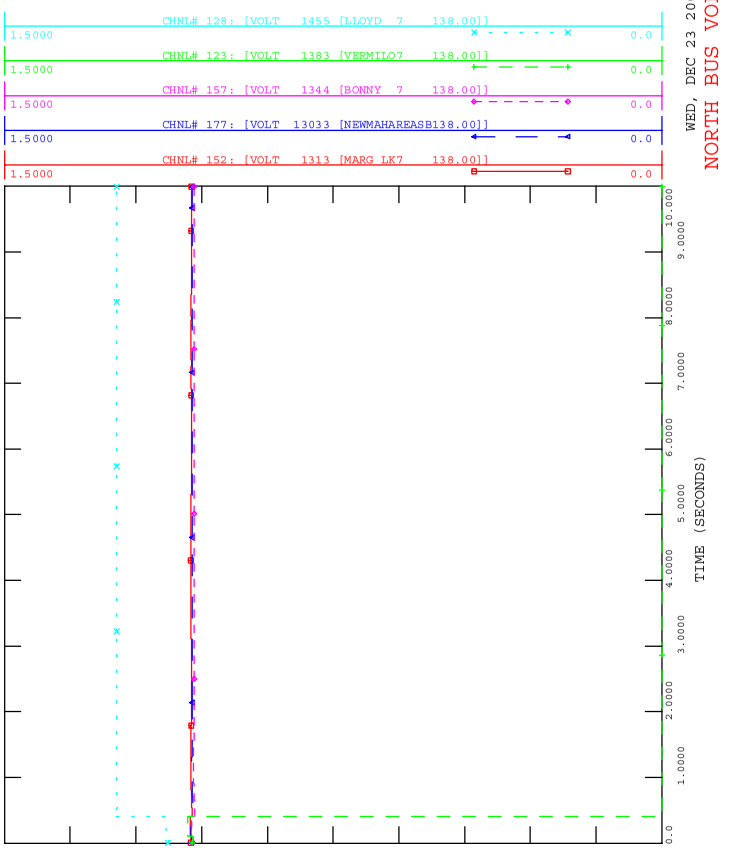
WED, DEC 23 2009 15:54

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

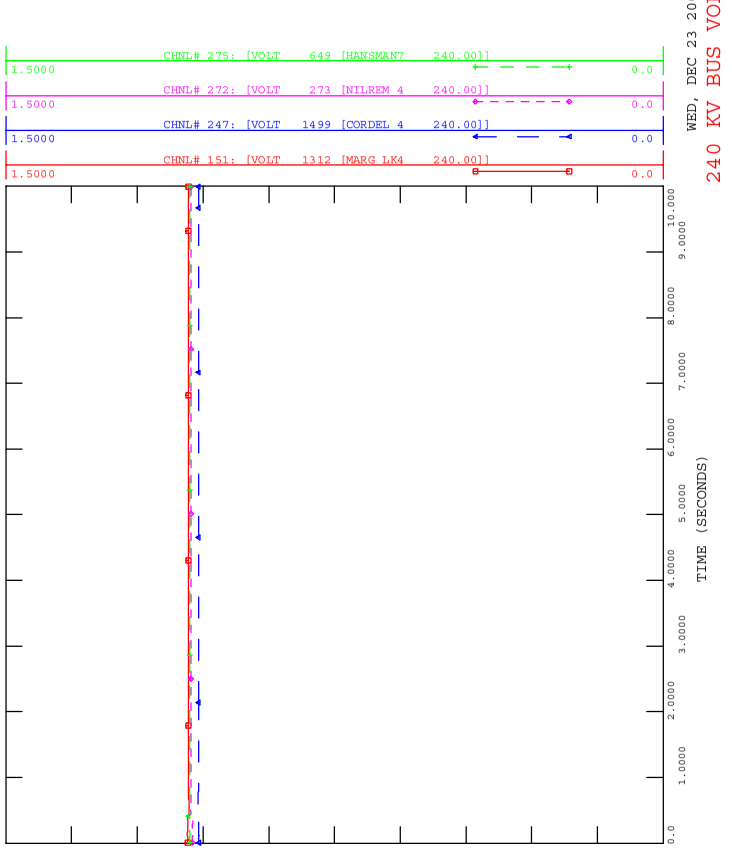


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

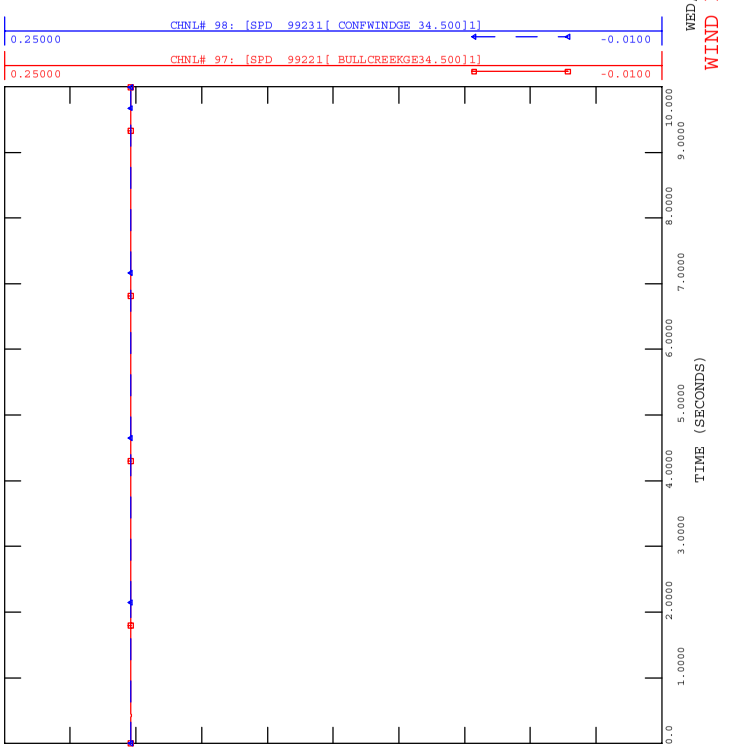


WED, DEC 23 2009 15:54

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

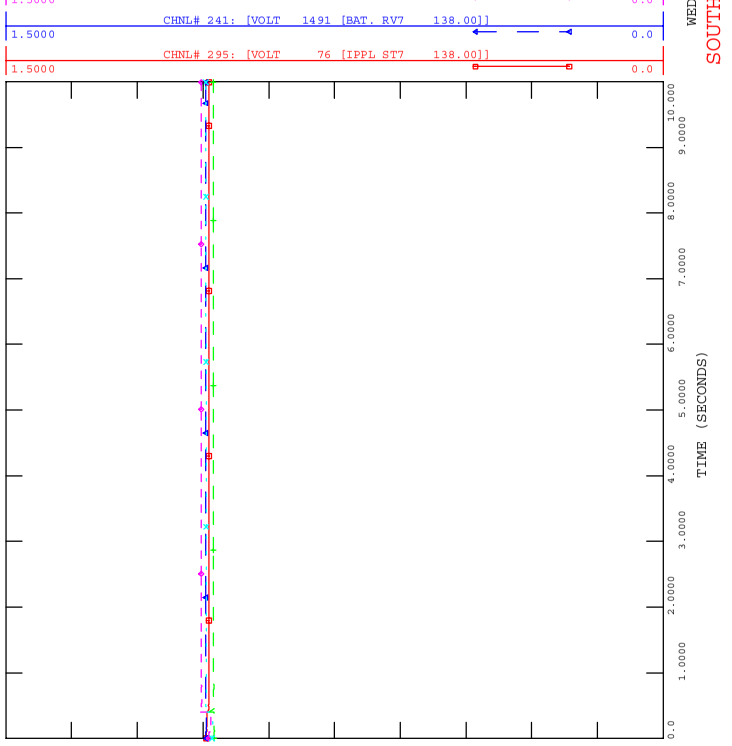


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

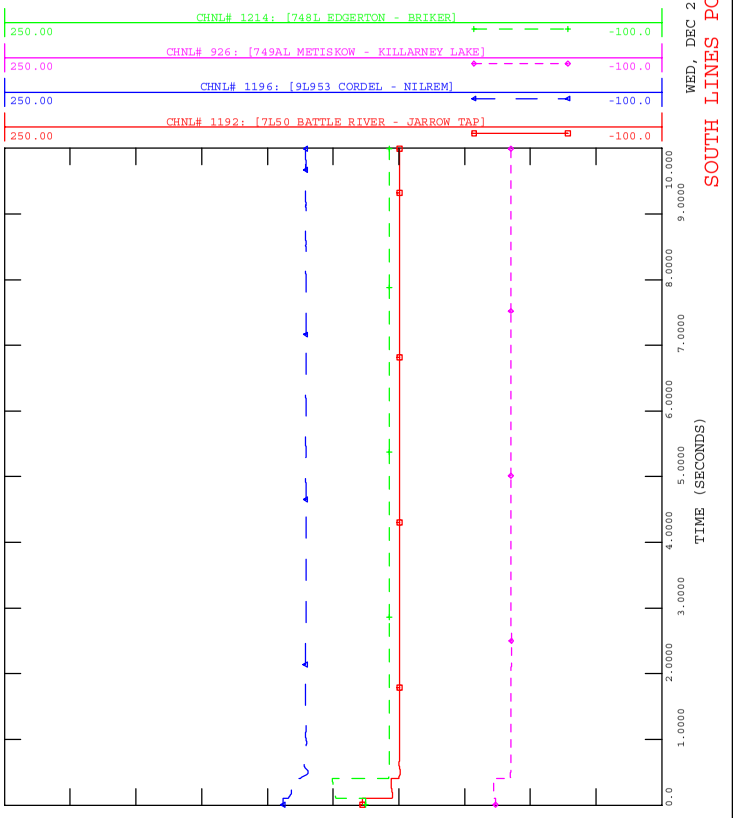


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SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

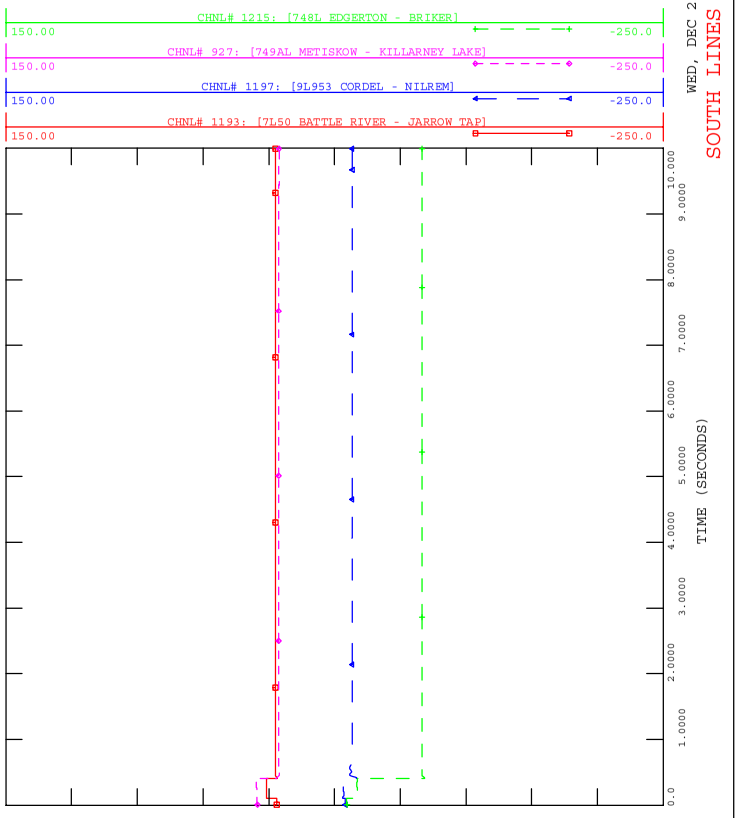


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

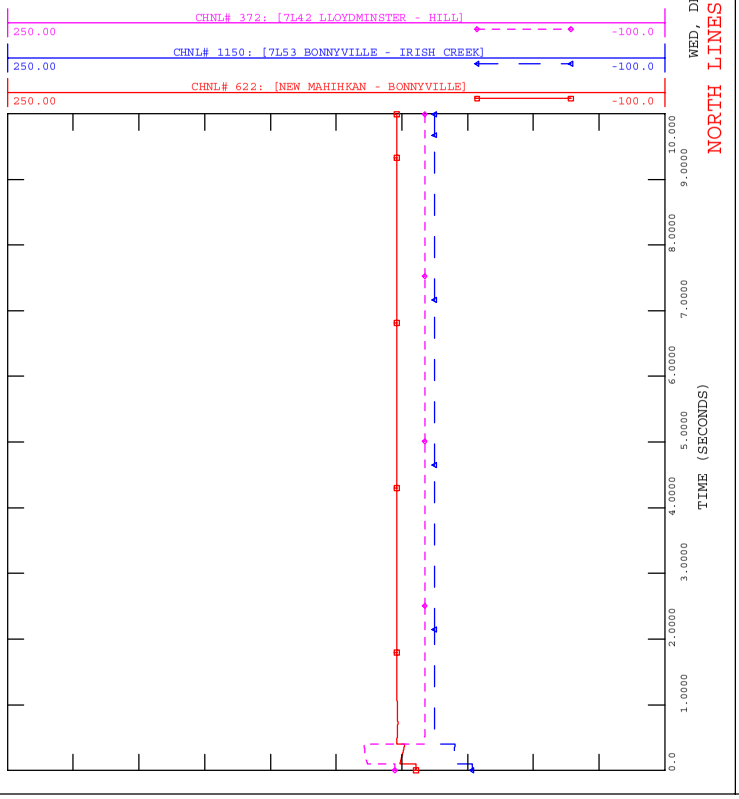


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SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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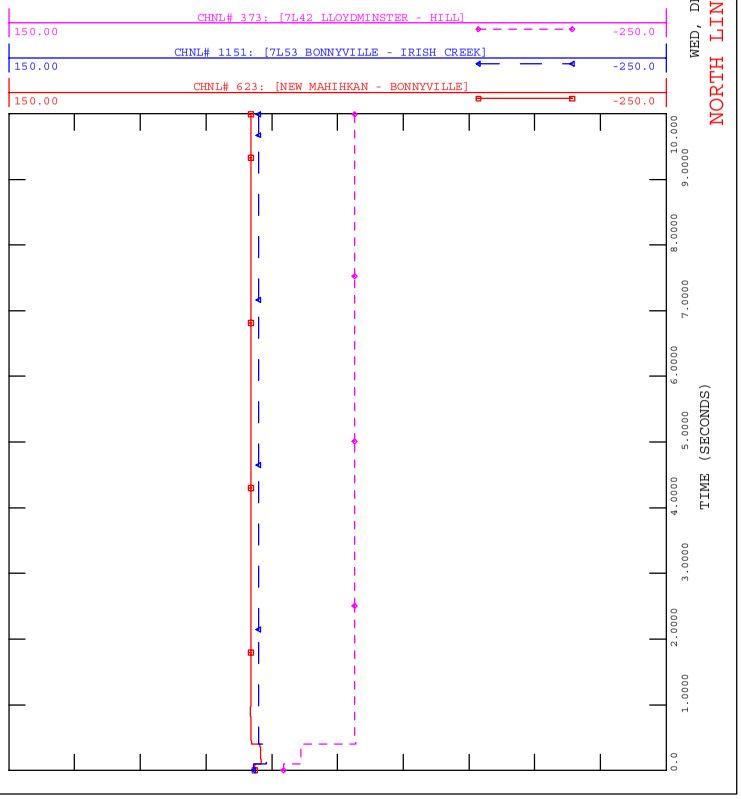


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NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out



WED, DEC 23 2009 15:54

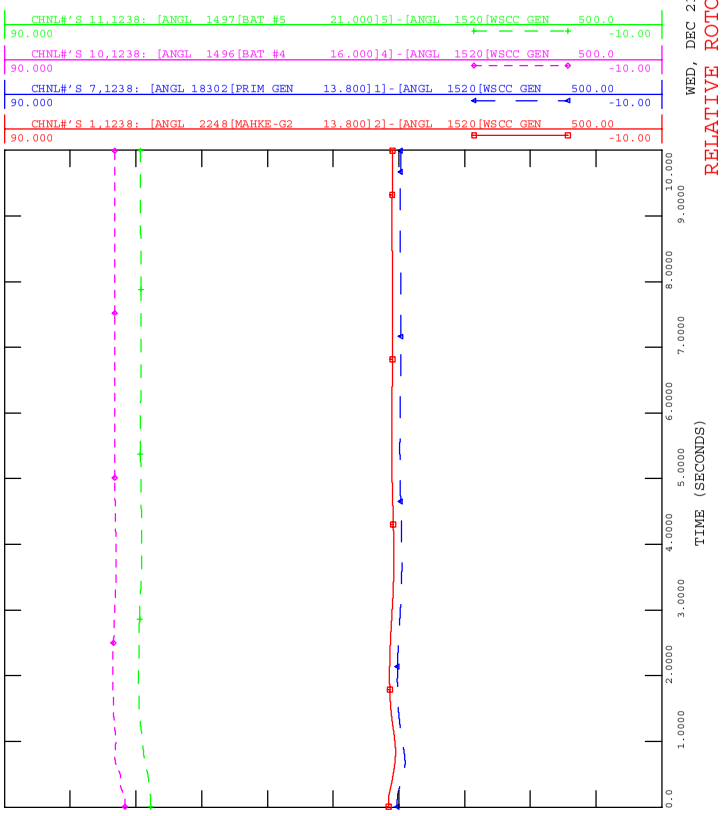
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

RELATIVE ROTOR ANGLES

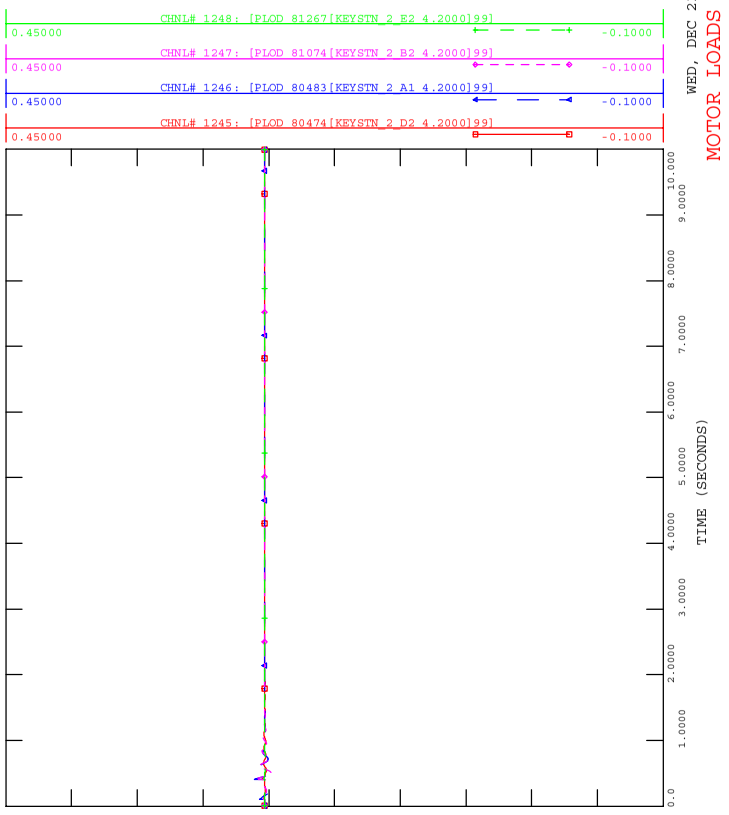


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

MOTOR LOADS GROUP II

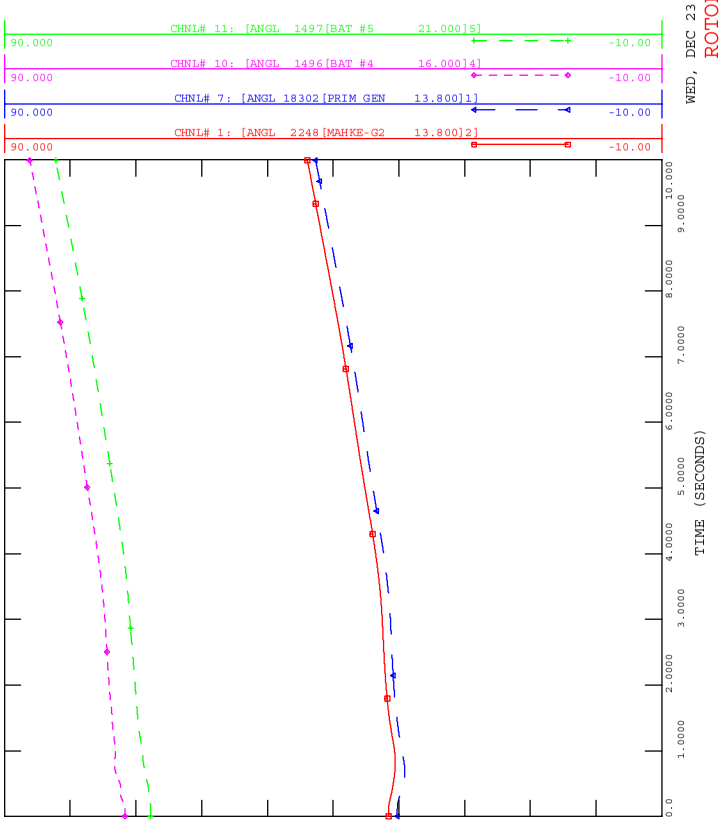


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out

WED, DEC 23 2009 15:54

ROTOR ANGLES

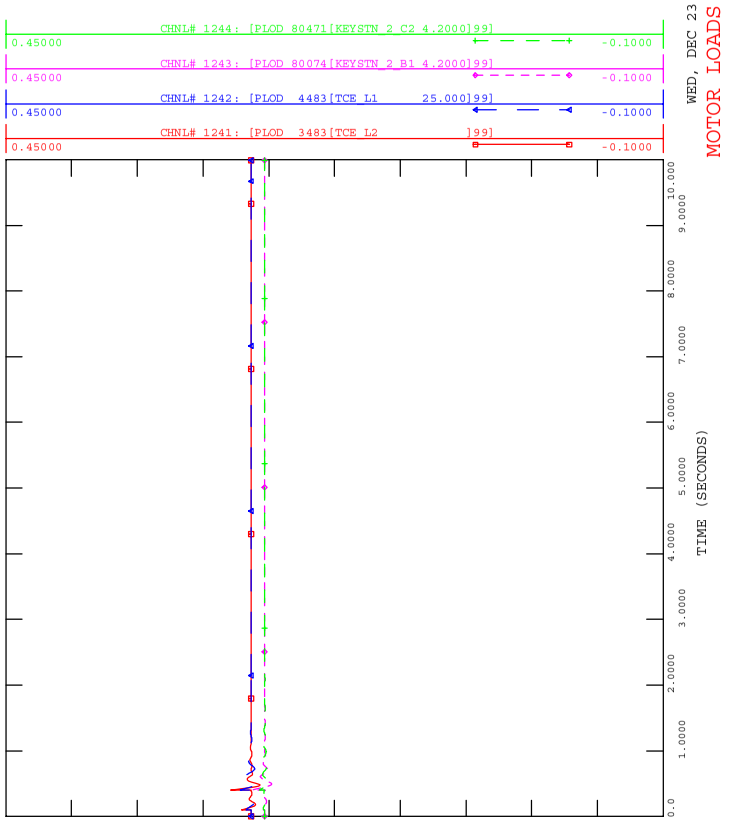


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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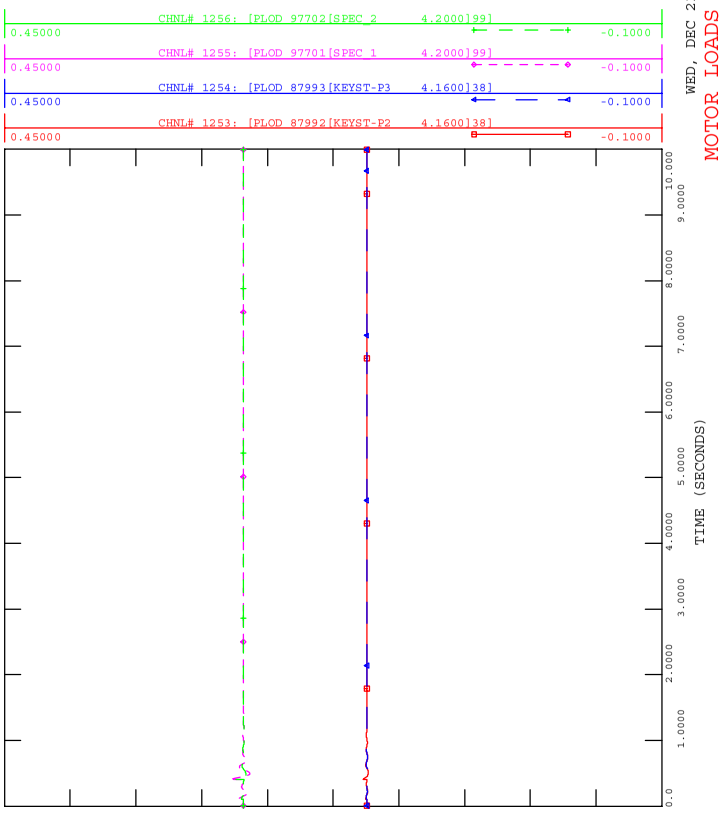
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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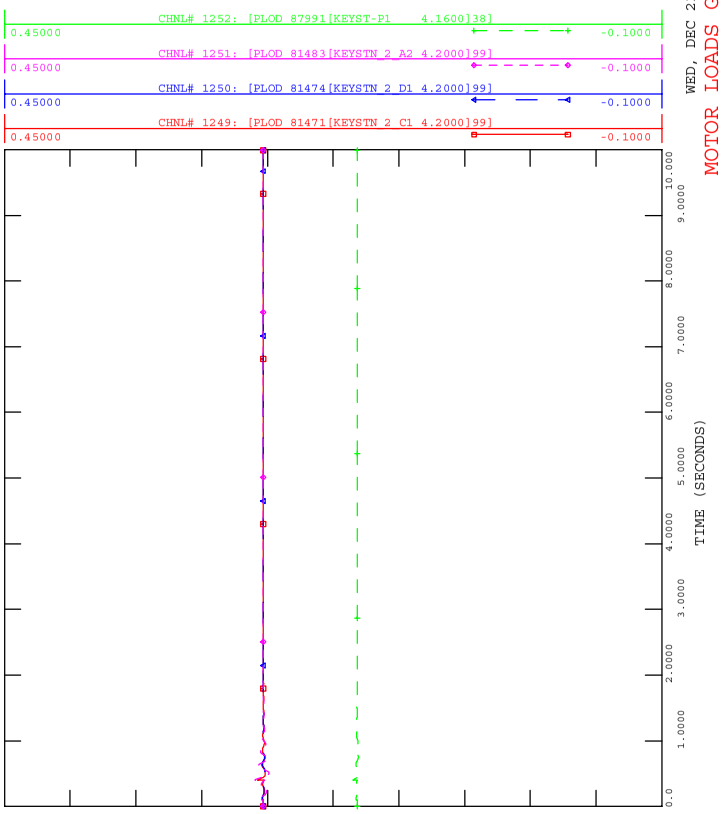


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-4fault.out



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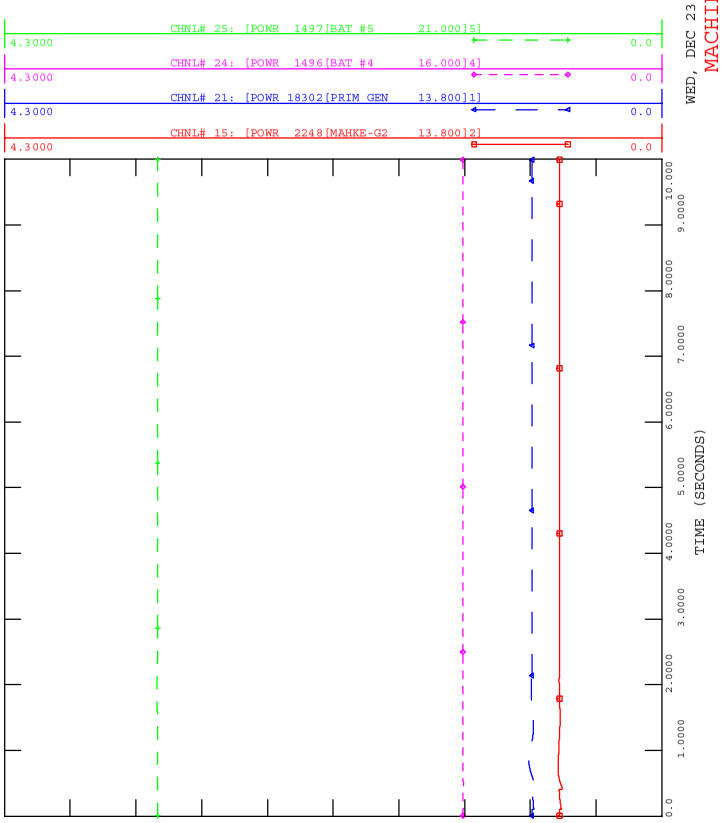
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

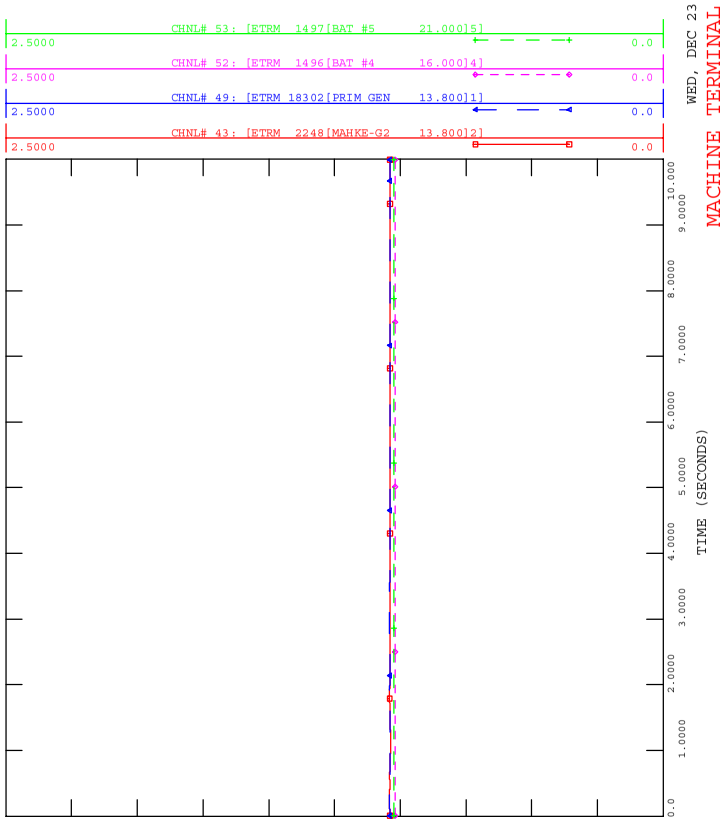


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

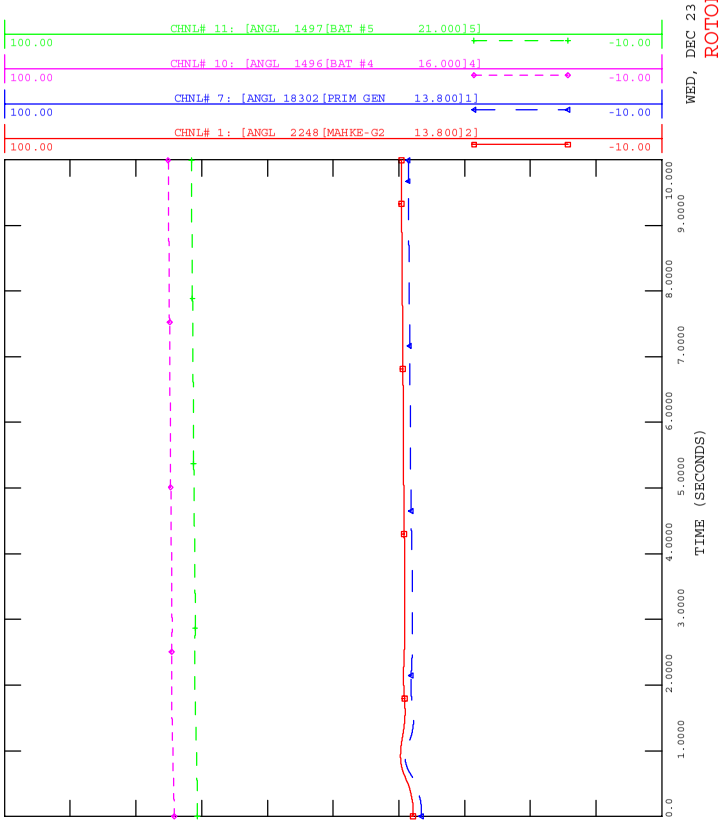


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

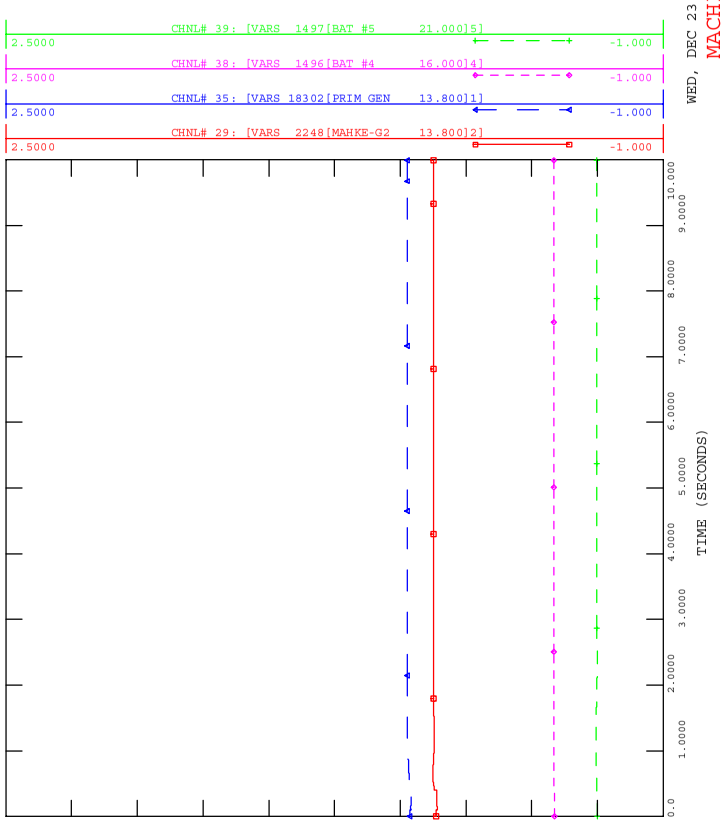


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE VARS

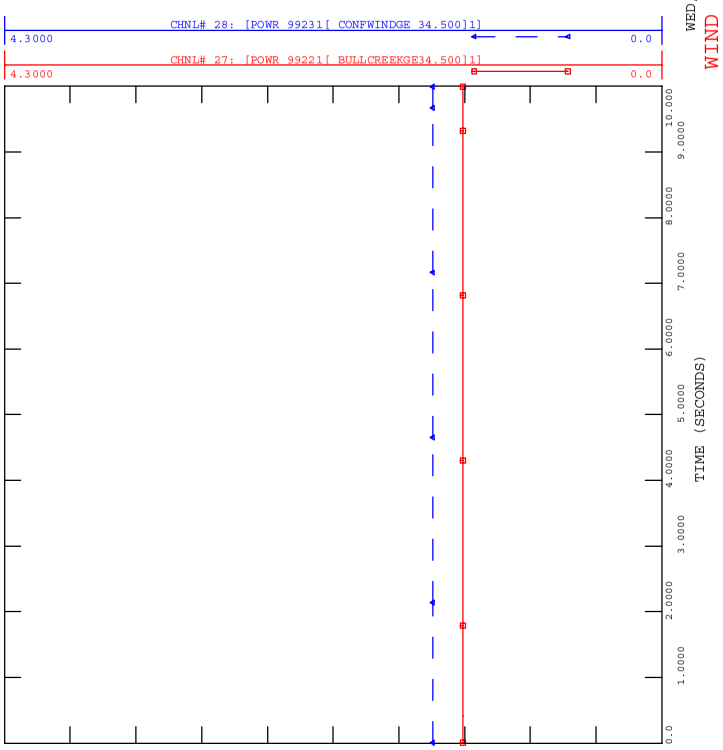


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

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WIND MACHINE POWER

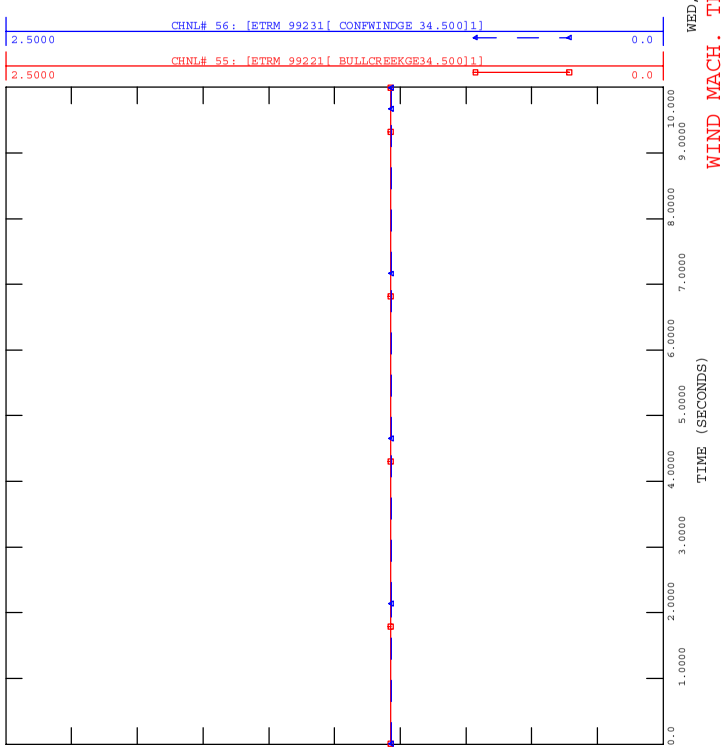


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACH. TERMINAL VOLTS

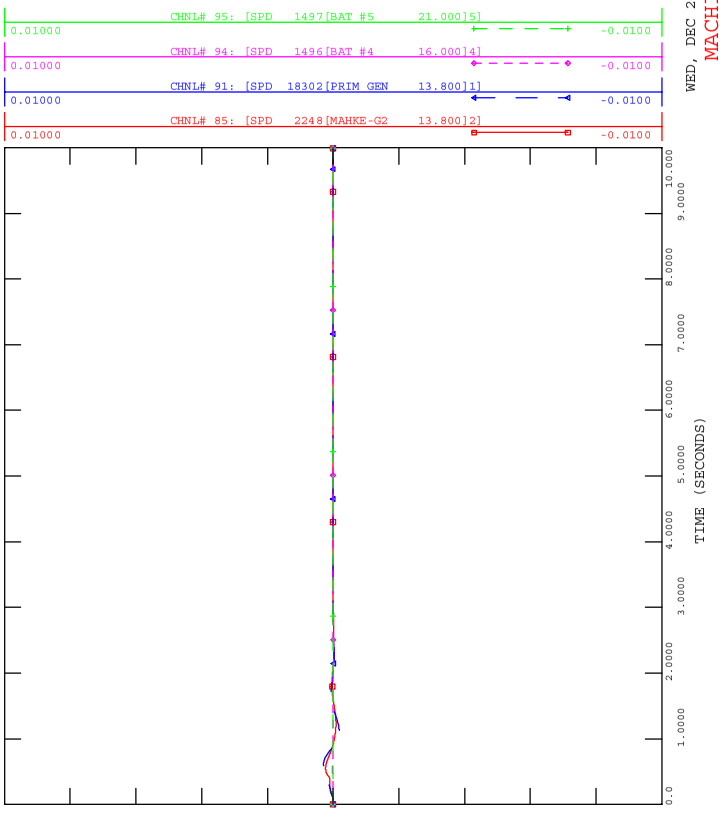


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE SPEED

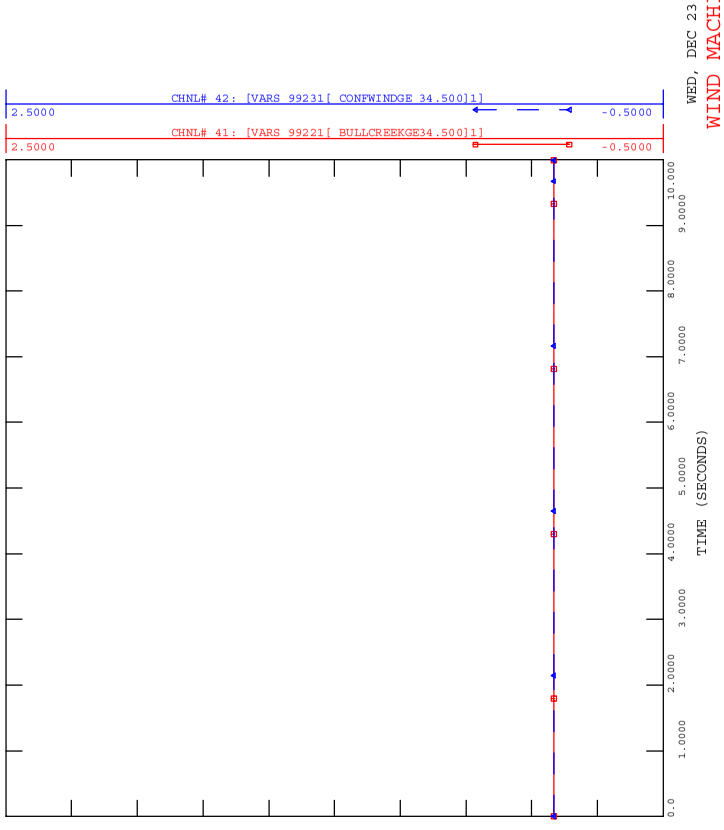


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE VARS

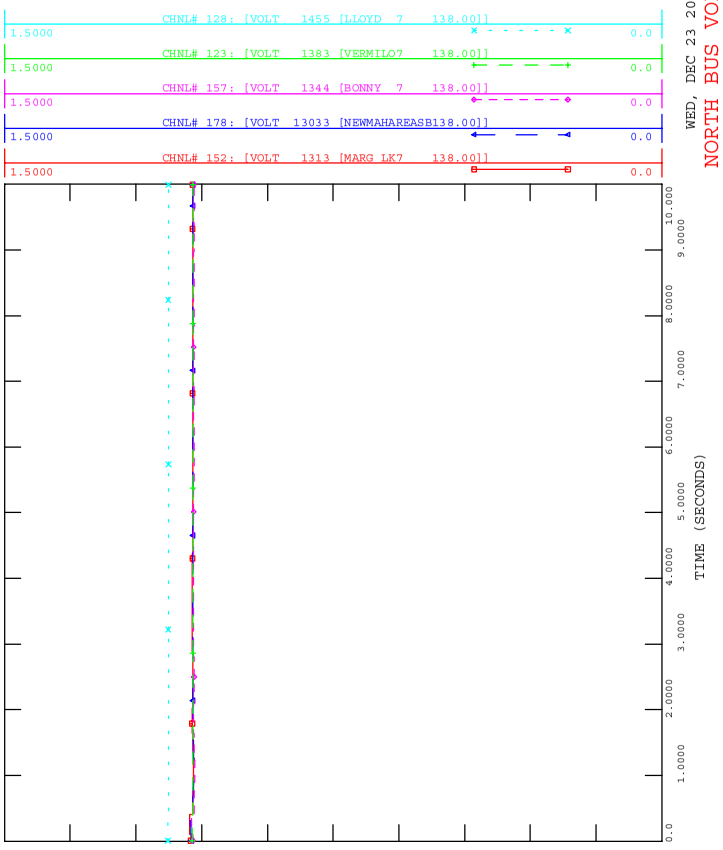


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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NORTH BUS VOLTAGES

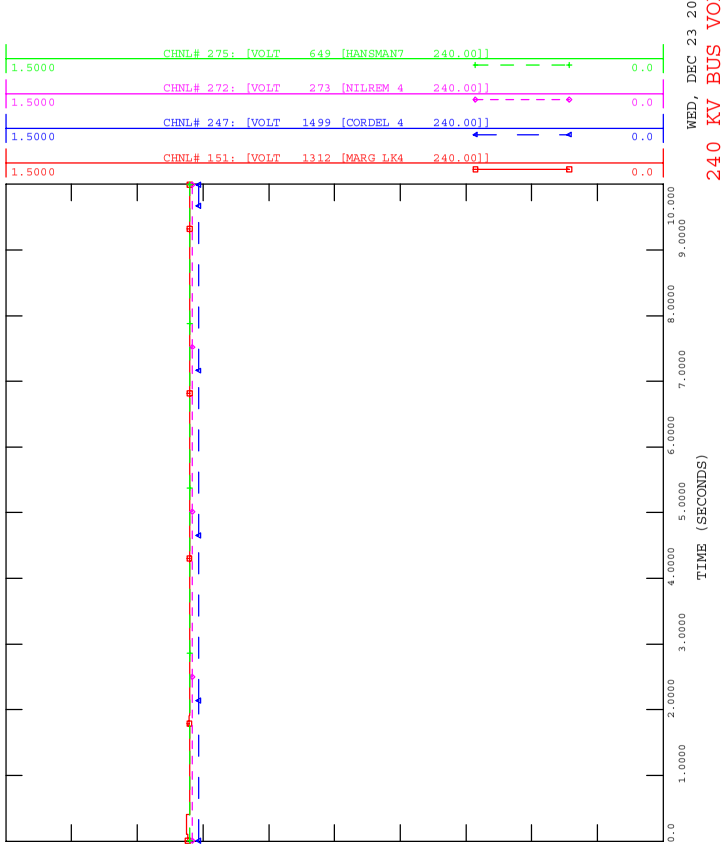


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

WED, DEC 23 2009 15:54

240 KV BUS VOLTAGES

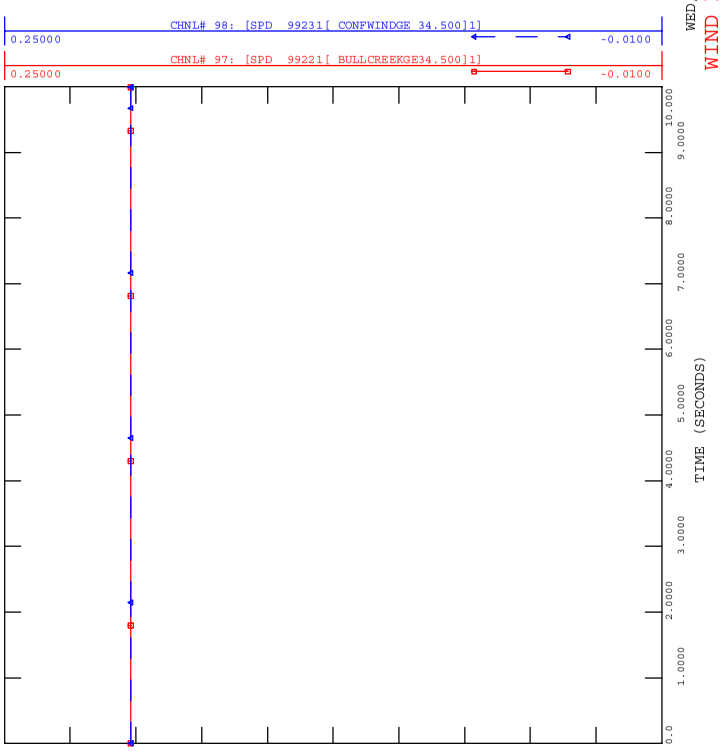


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

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WIND MACHINE SPEED

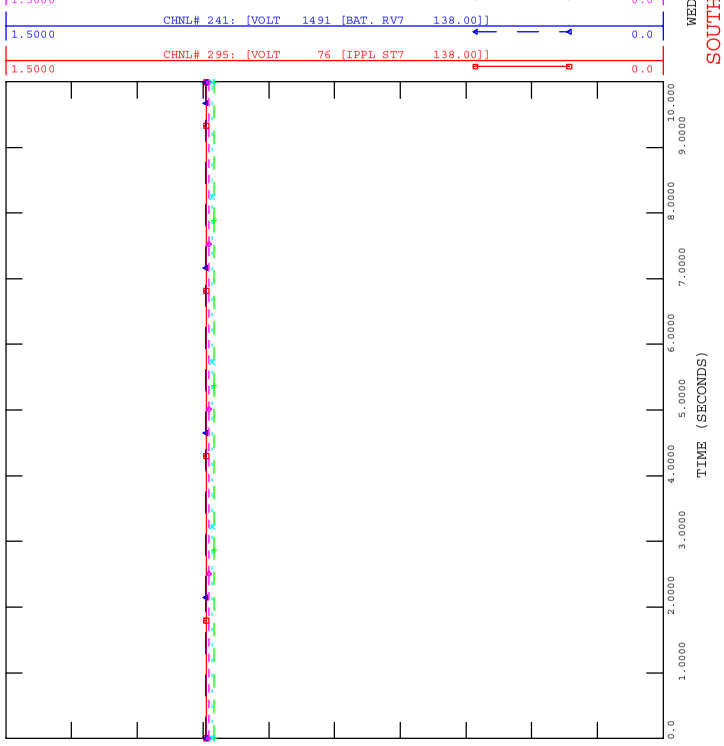


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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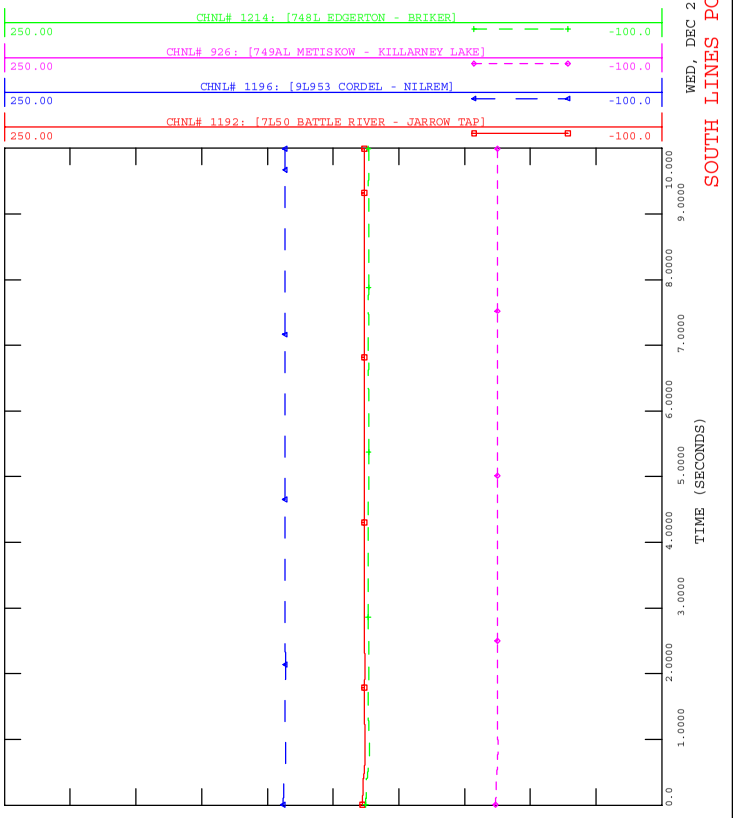
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SOUTH BUS VOLTAGES



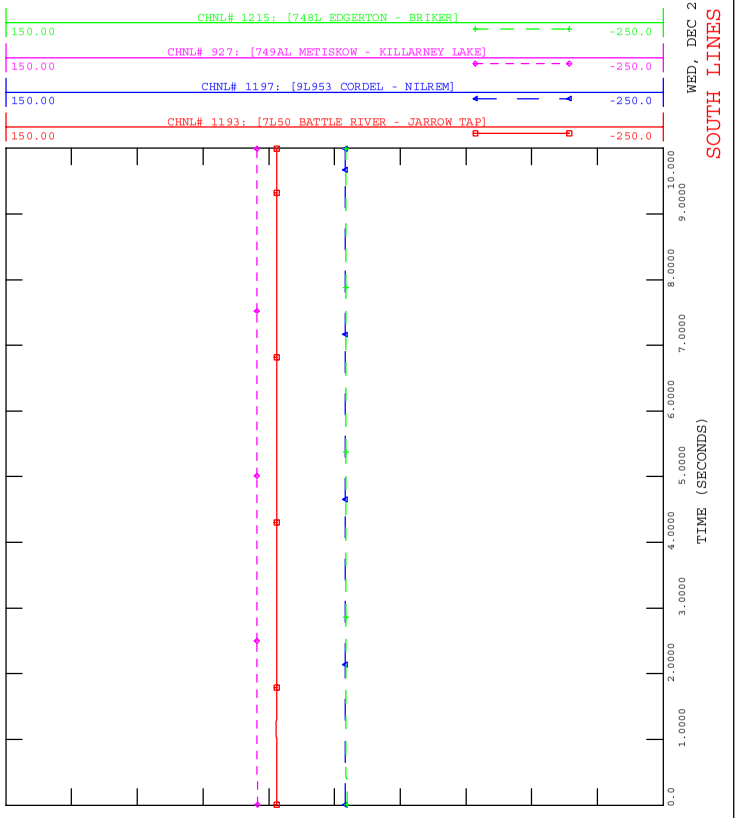
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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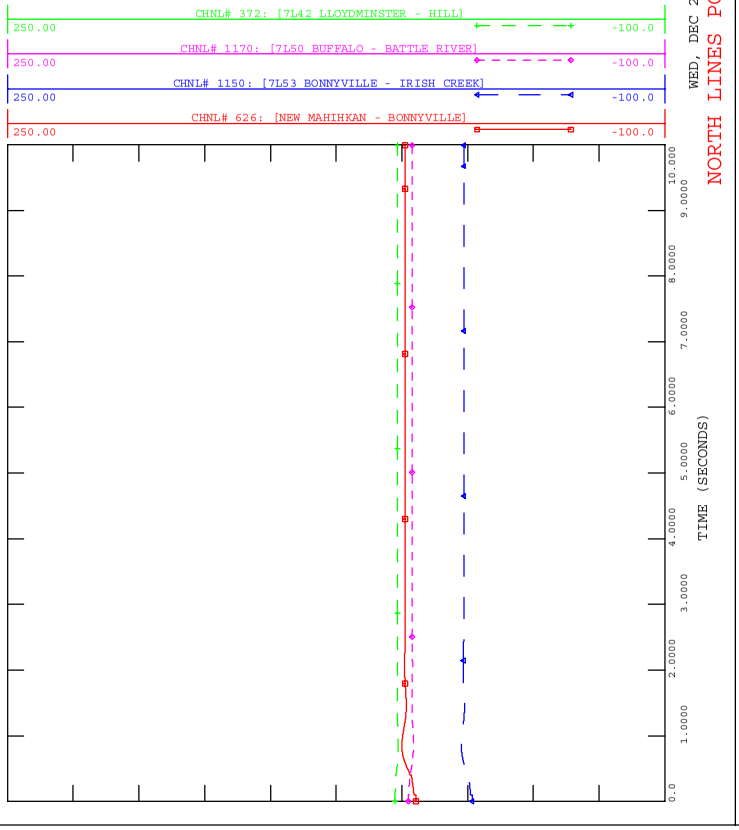
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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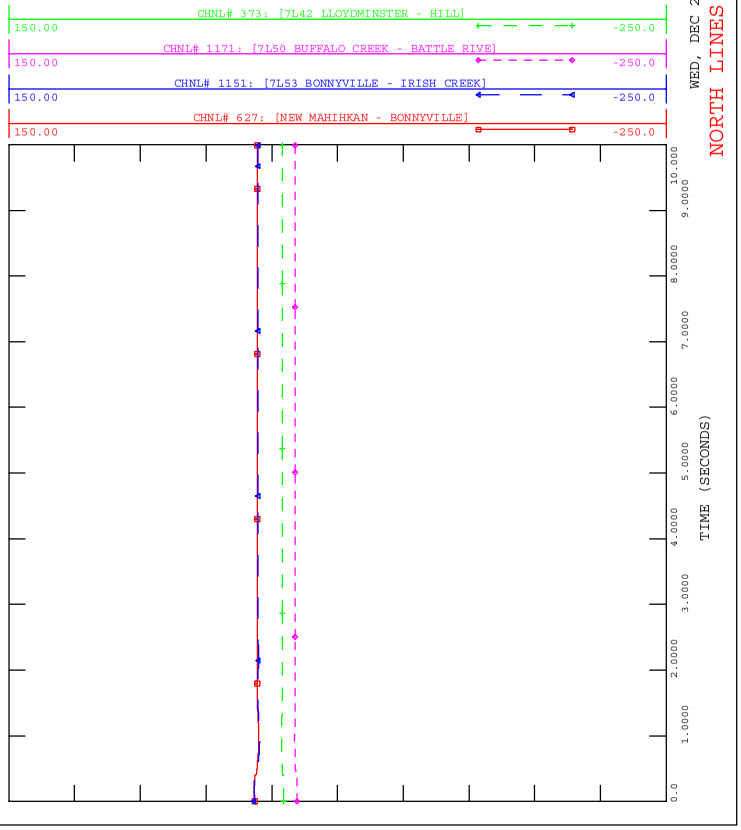
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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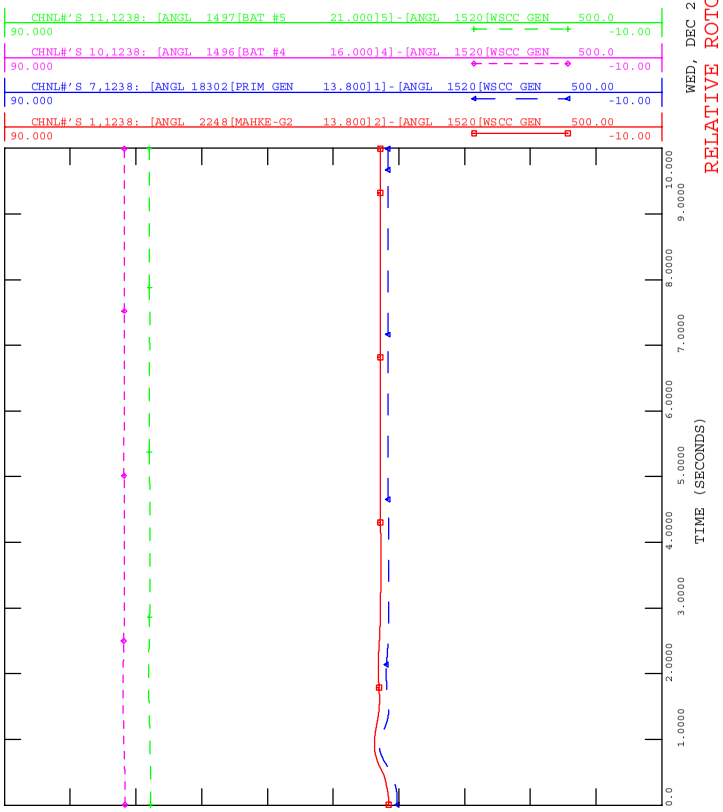


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

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RELATIVE ROTOR ANGLES

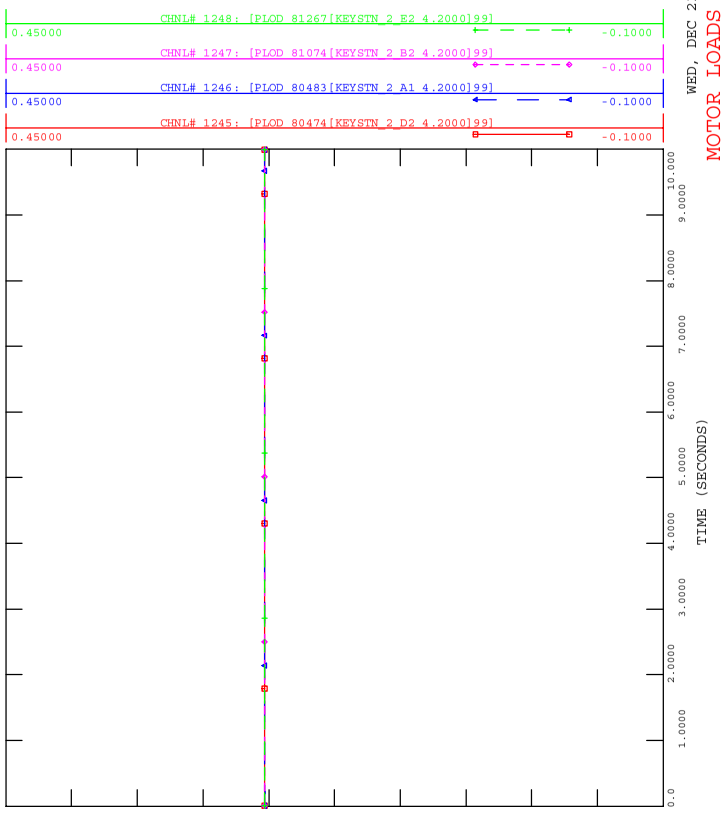


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

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MOTOR LOADS GROUP II

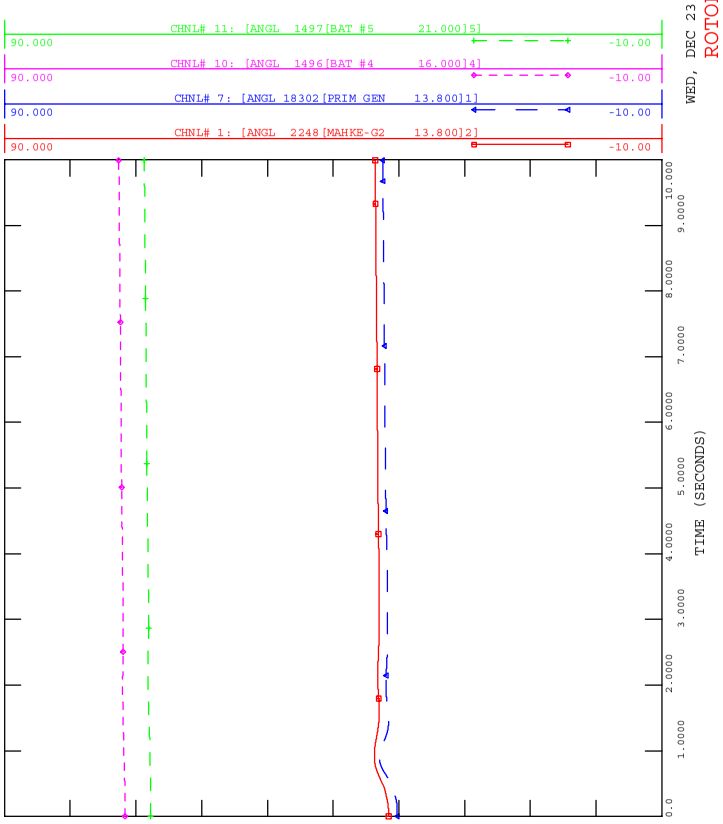


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out

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ROTOR ANGLES

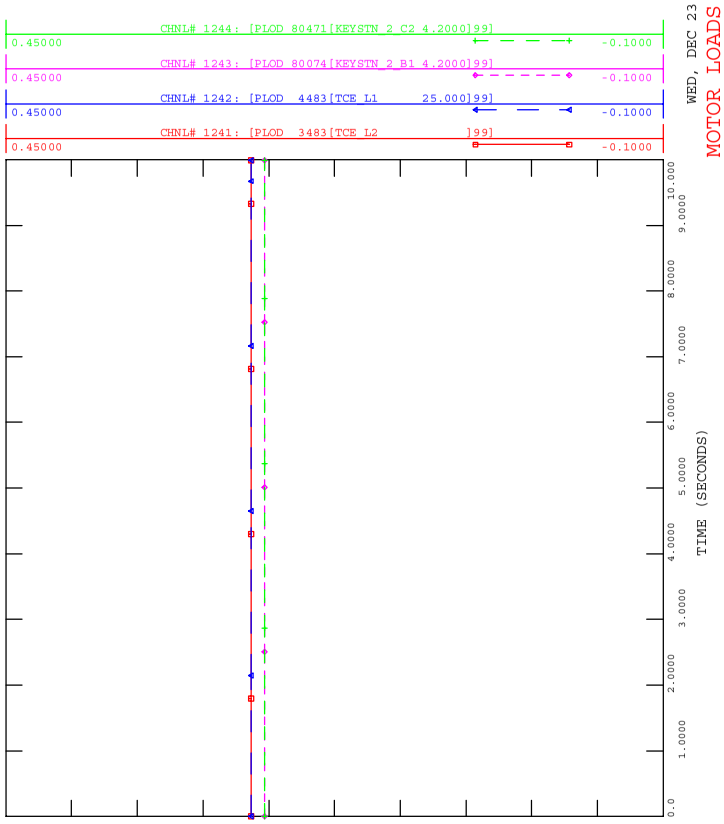


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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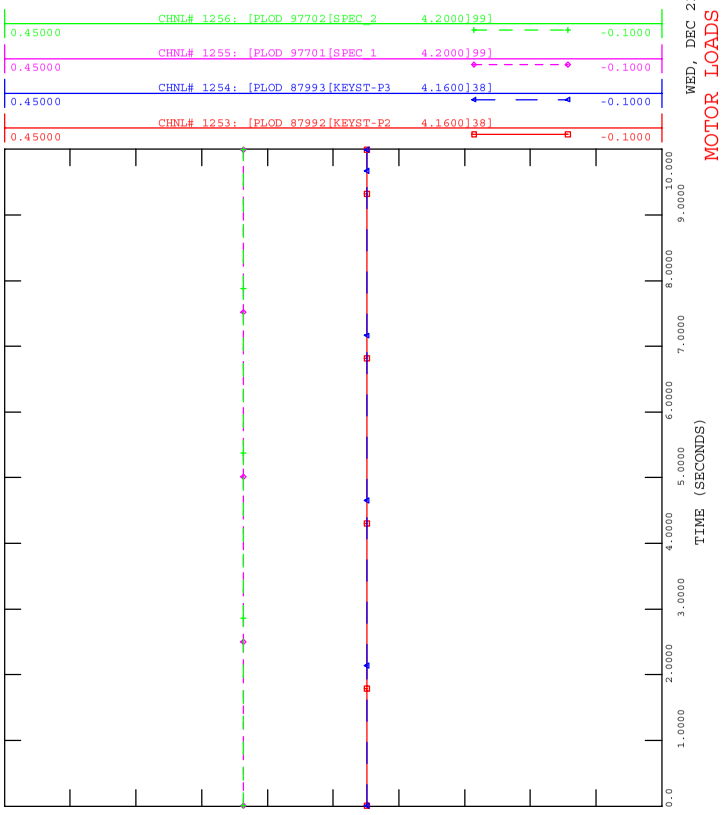
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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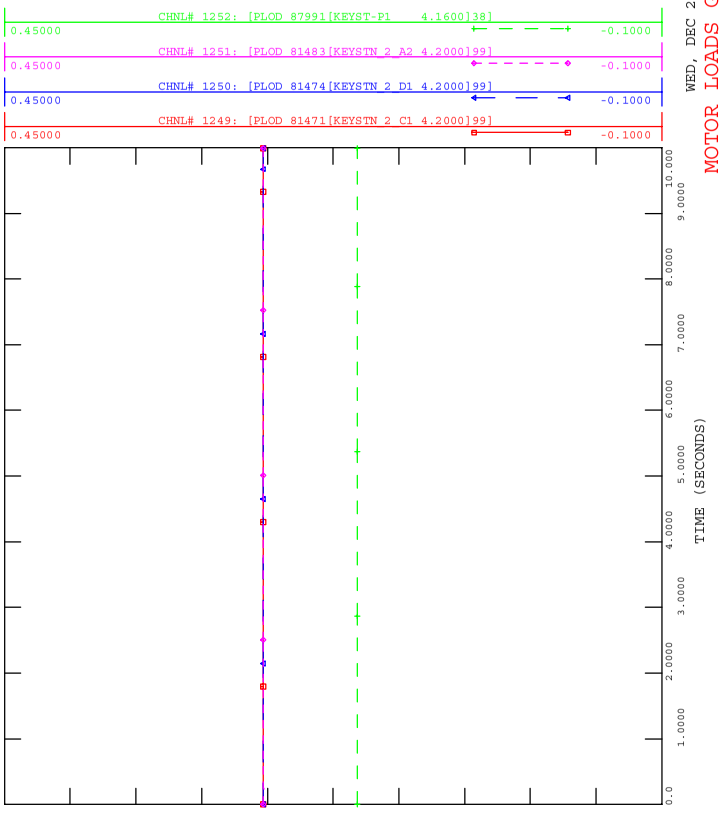


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-5fault.out



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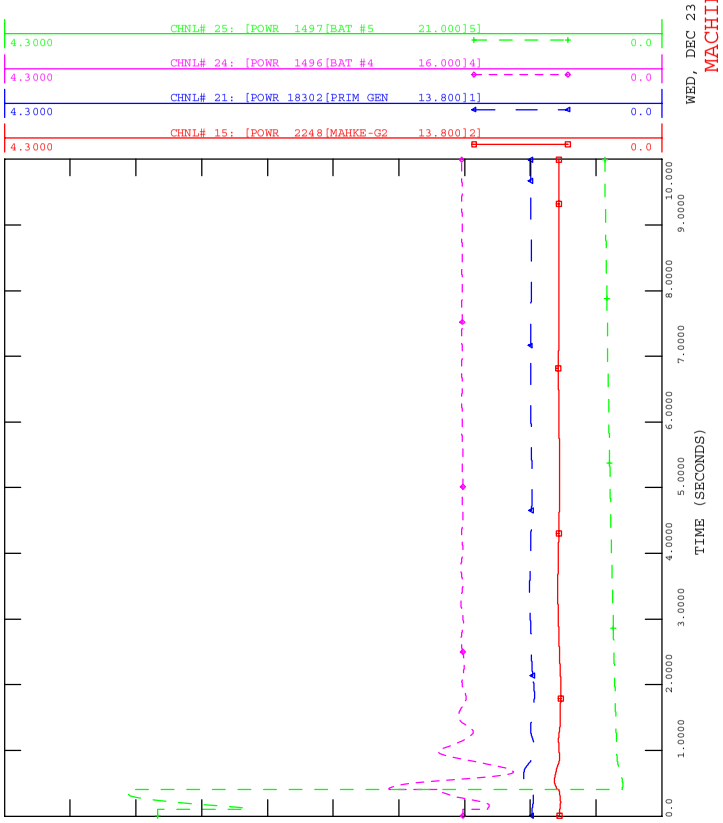
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

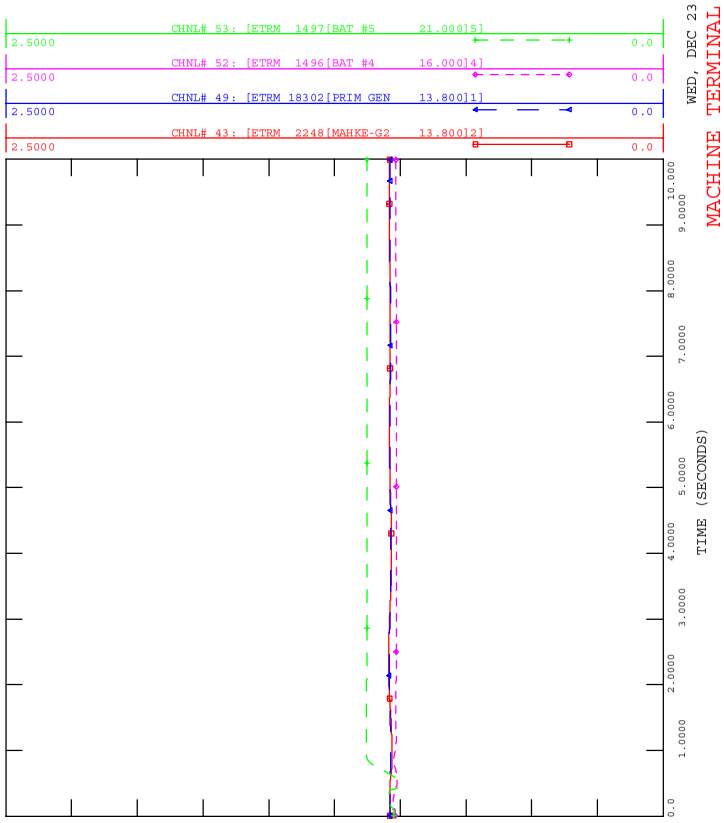


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

MACHINE TERMINAL VOLTAGE

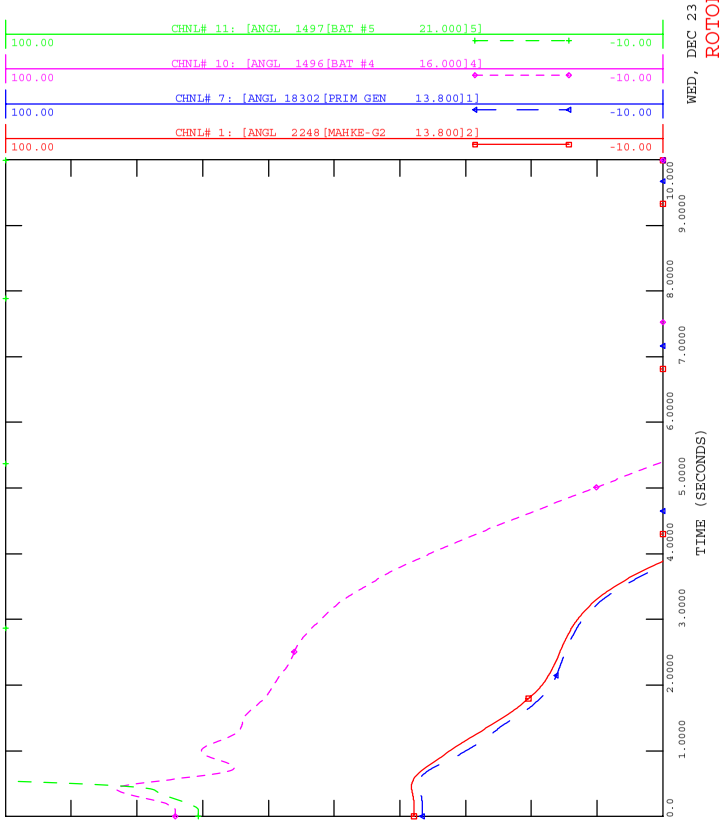


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

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ROTOR ANGLES

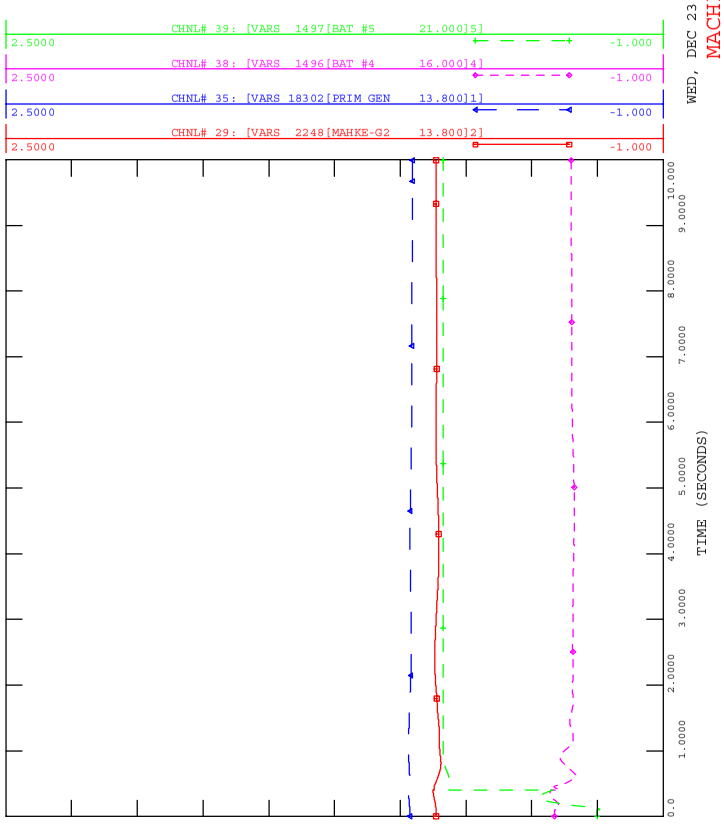


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

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MACHINE VARS

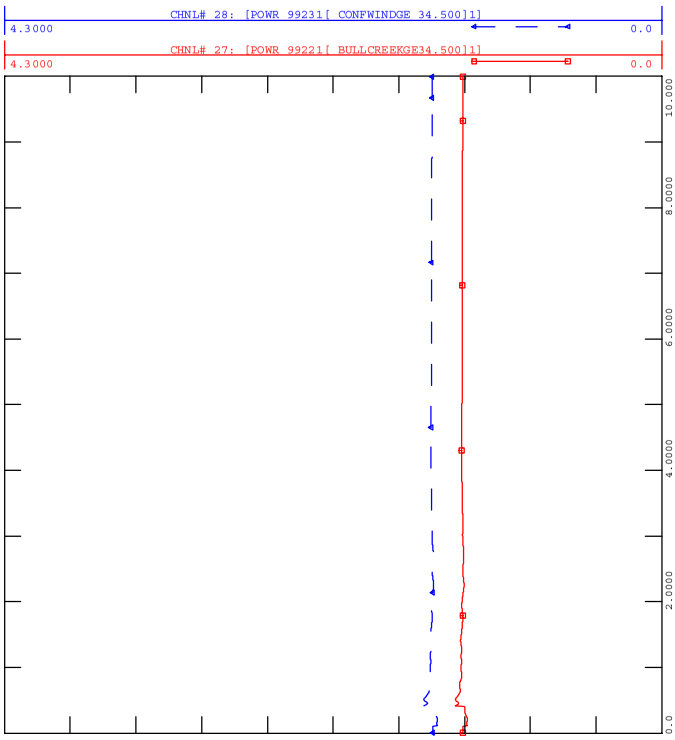


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

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WIND MACHINE POWER

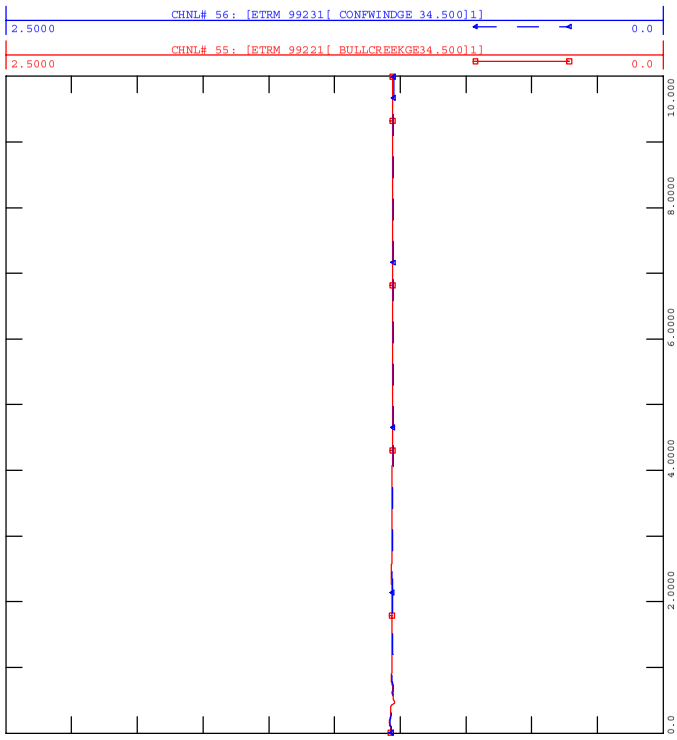


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

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WIND MACH. TERMINAL VOLTS

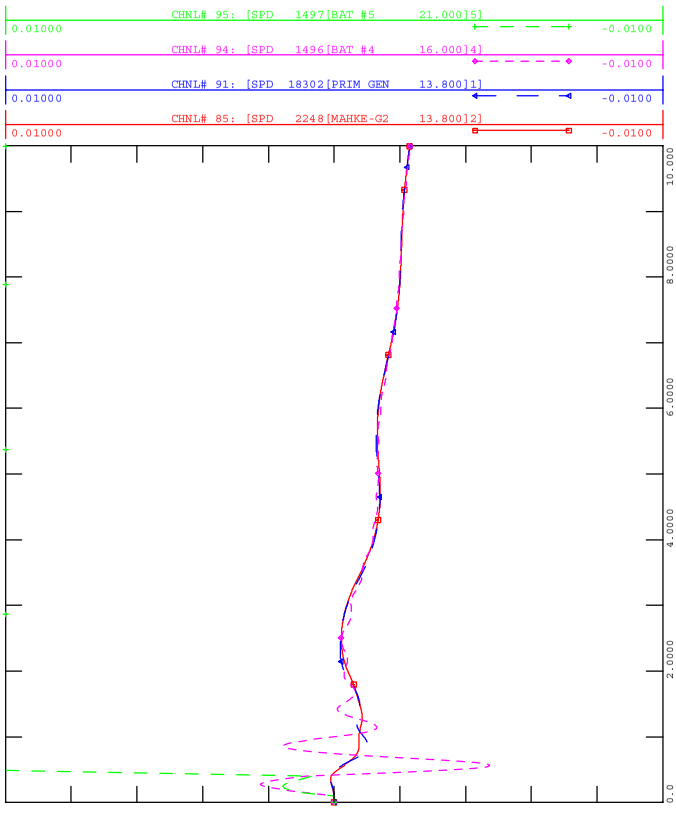


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

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MACHINE SPEED

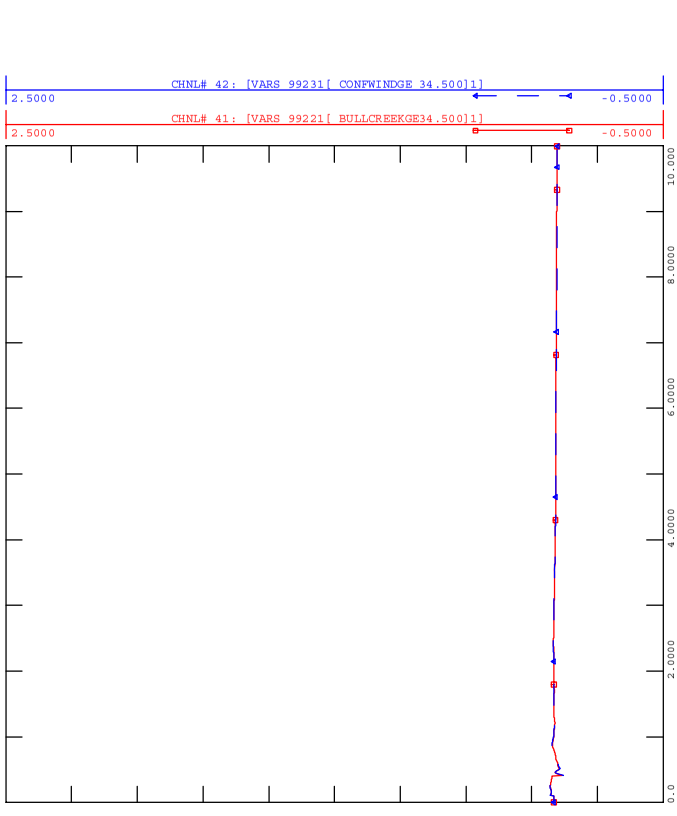


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE VARS

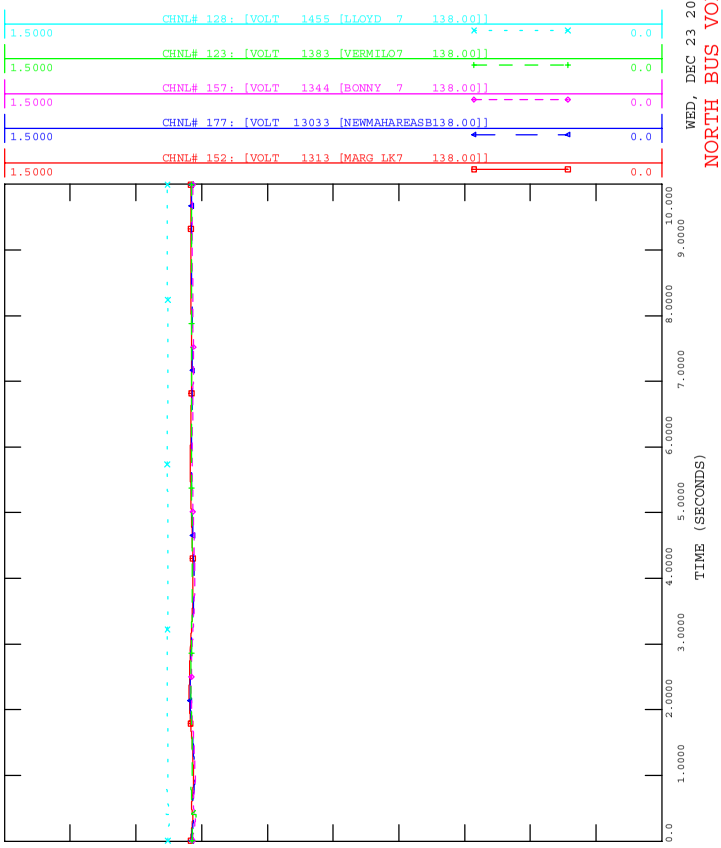


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

NORTH BUS VOLTAGES

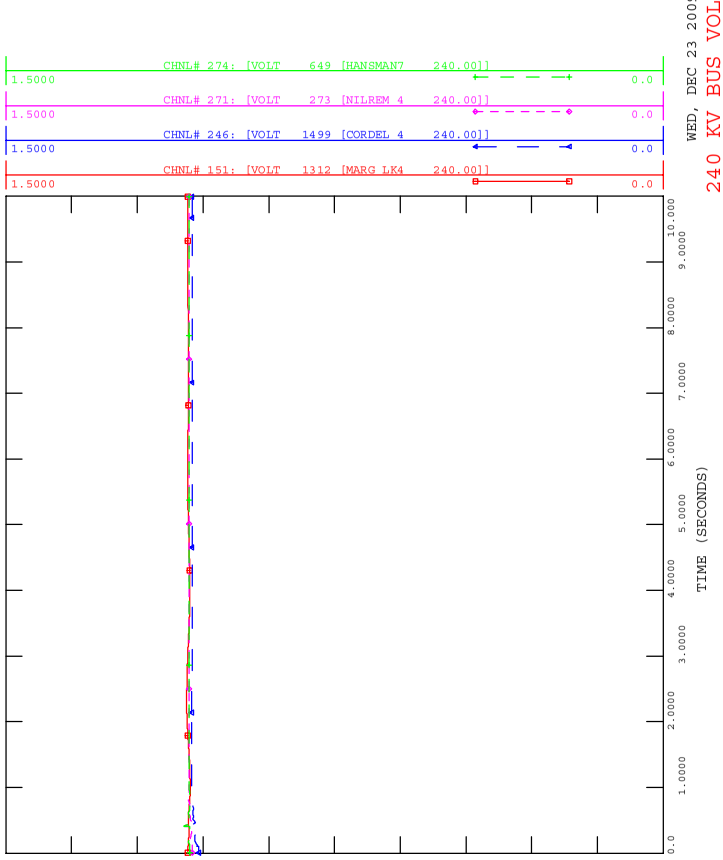


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

240 KV BUS VOLTAGES

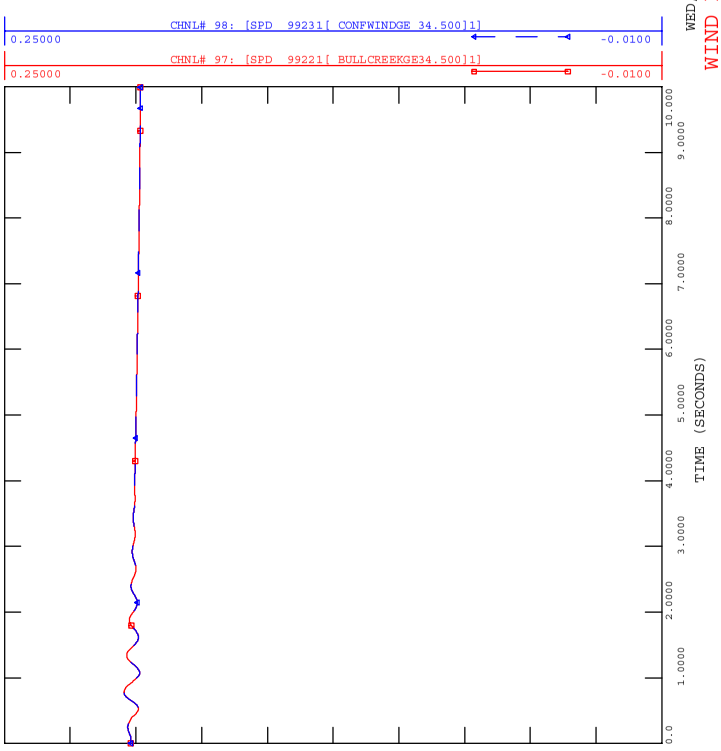


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

WIND MACHINE SPEED

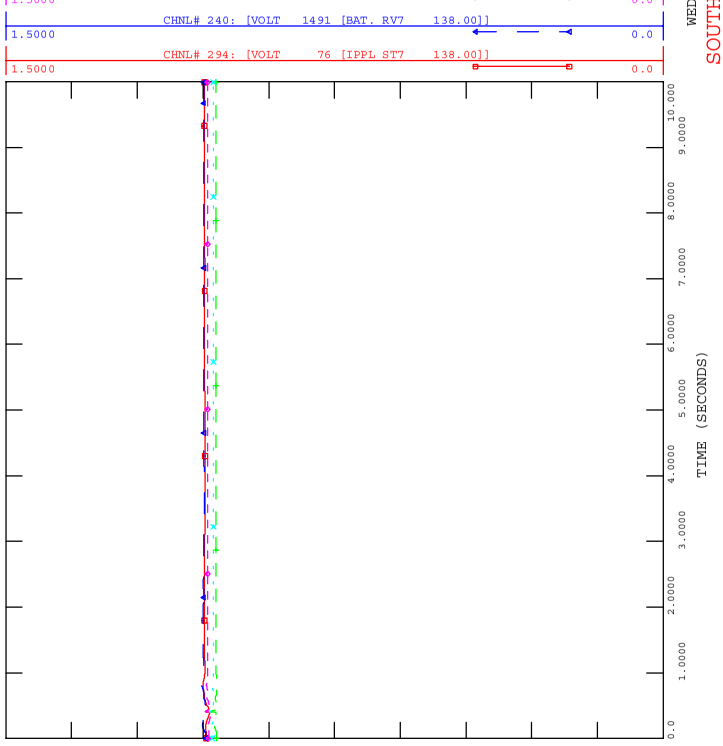


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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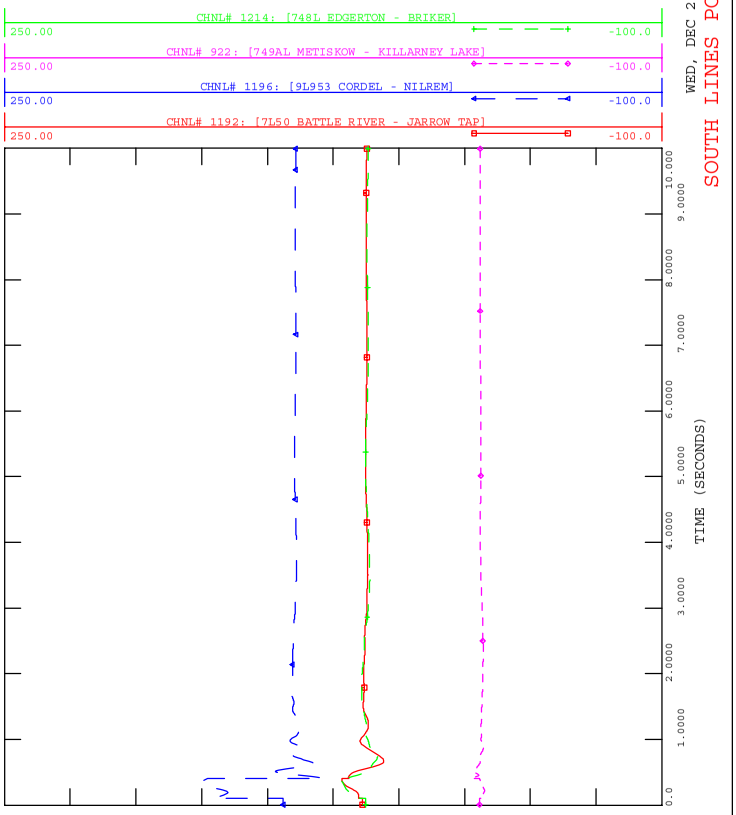
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SOUTH BUS VOLTAGES



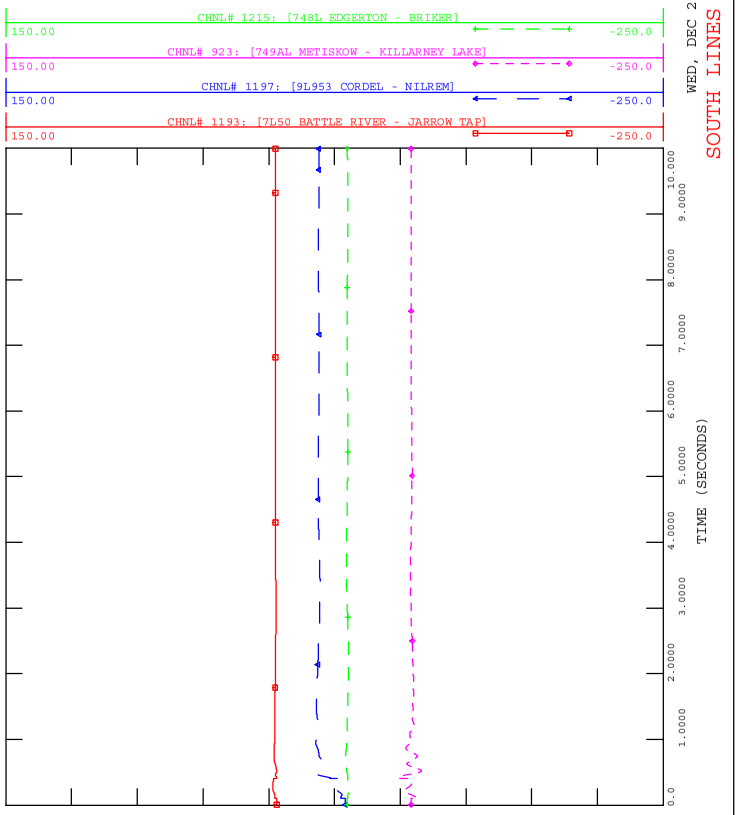
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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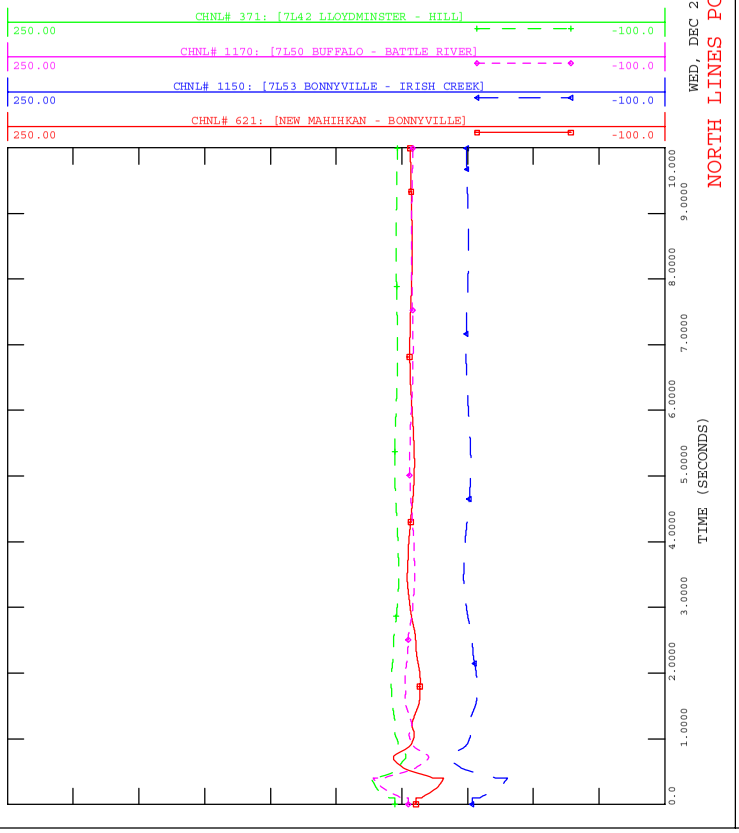
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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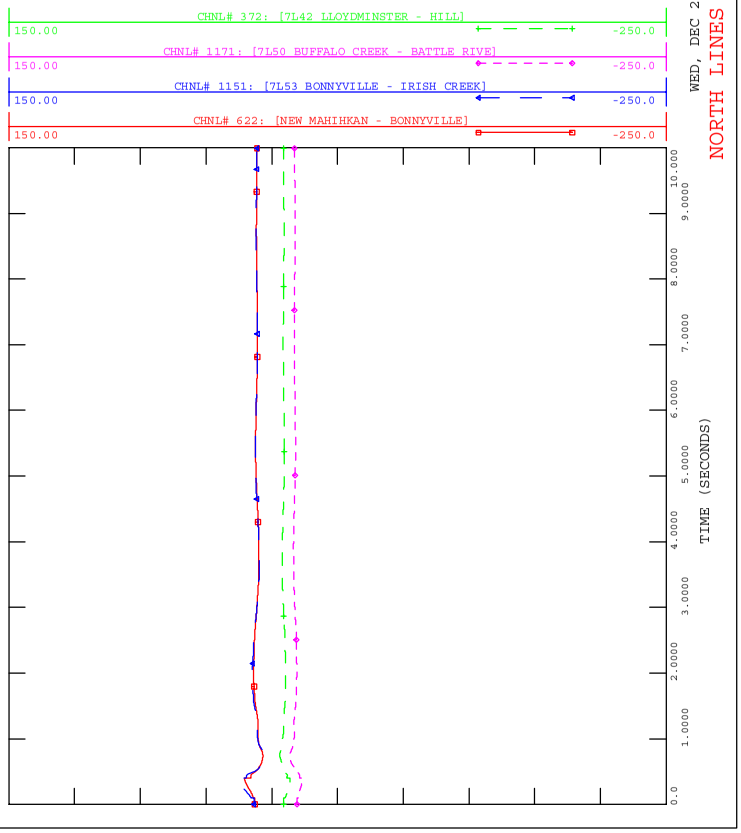
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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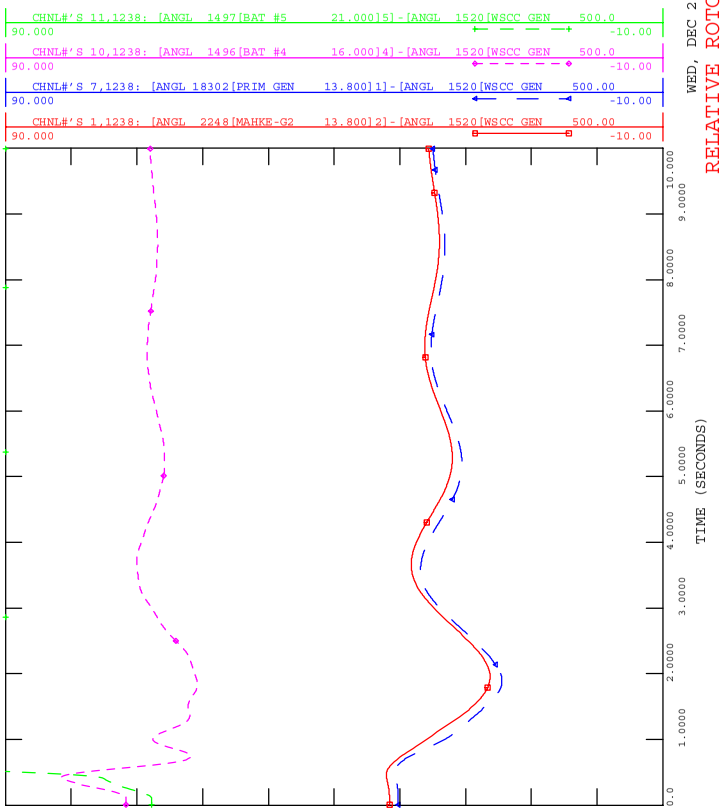


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

RELATIVE ROTOR ANGLES

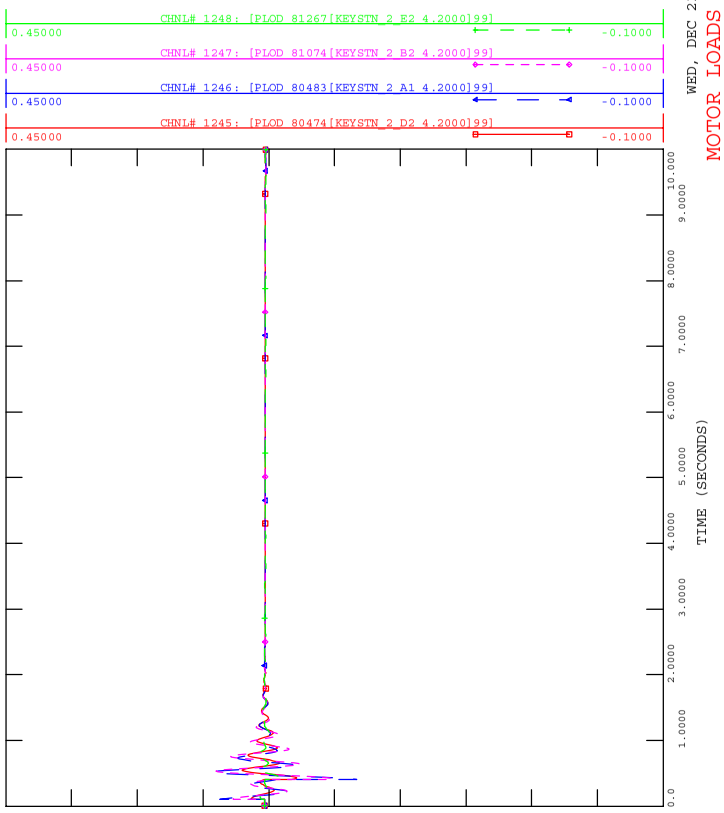


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

MOTOR LOADS GROUP II

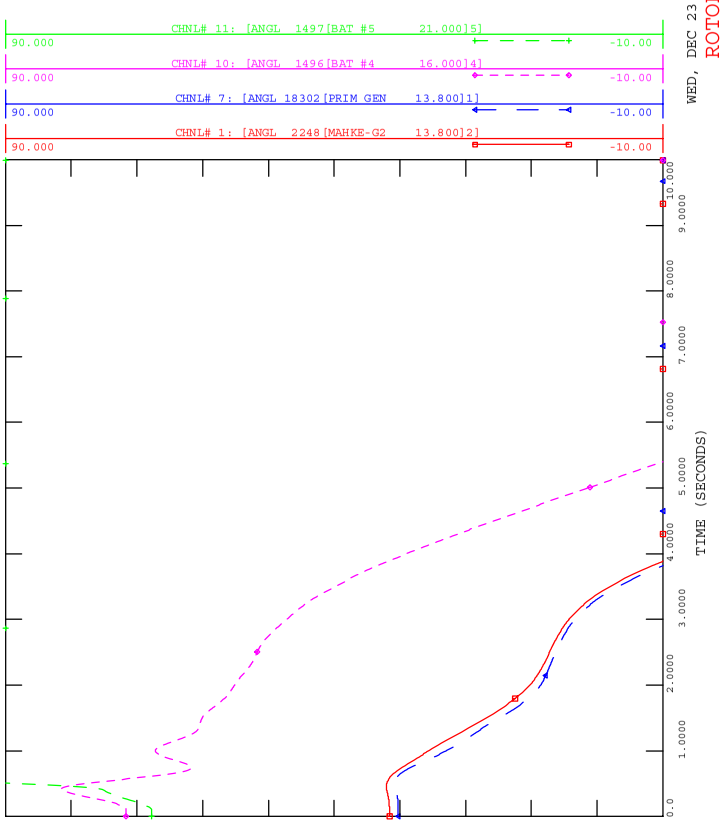


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

WED, DEC 23 2009 15:54

ROTOR ANGLES

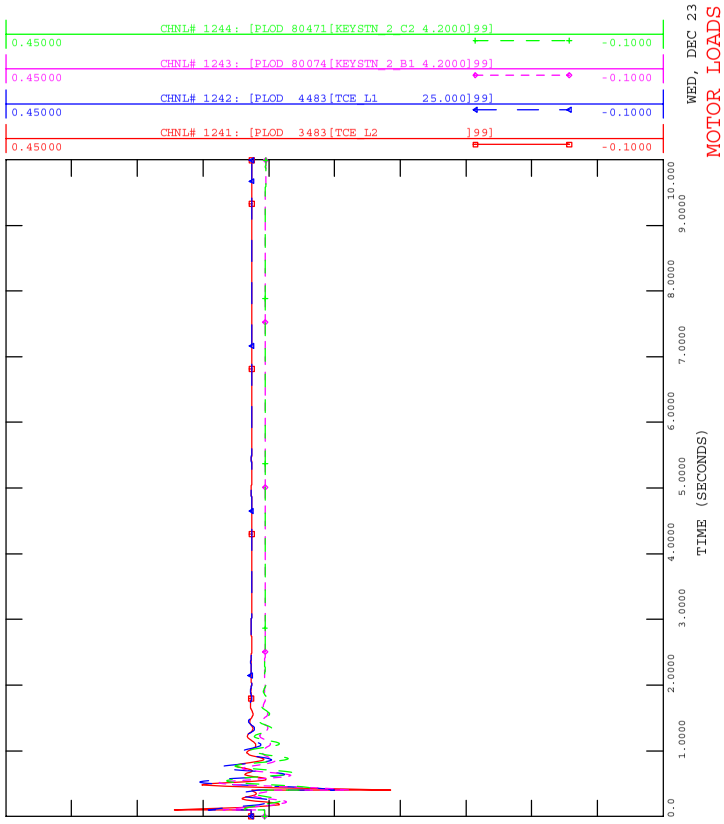


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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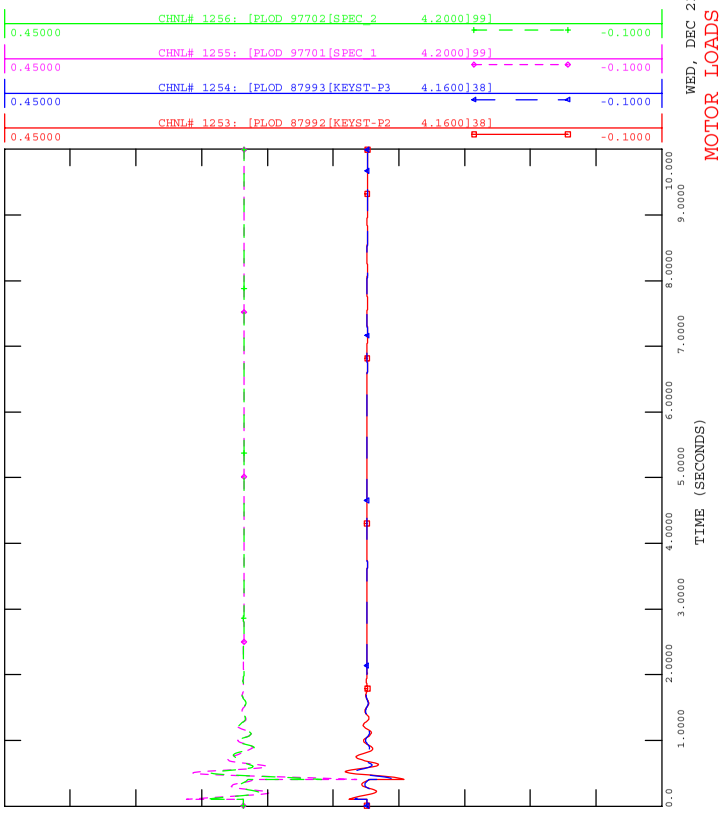
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out

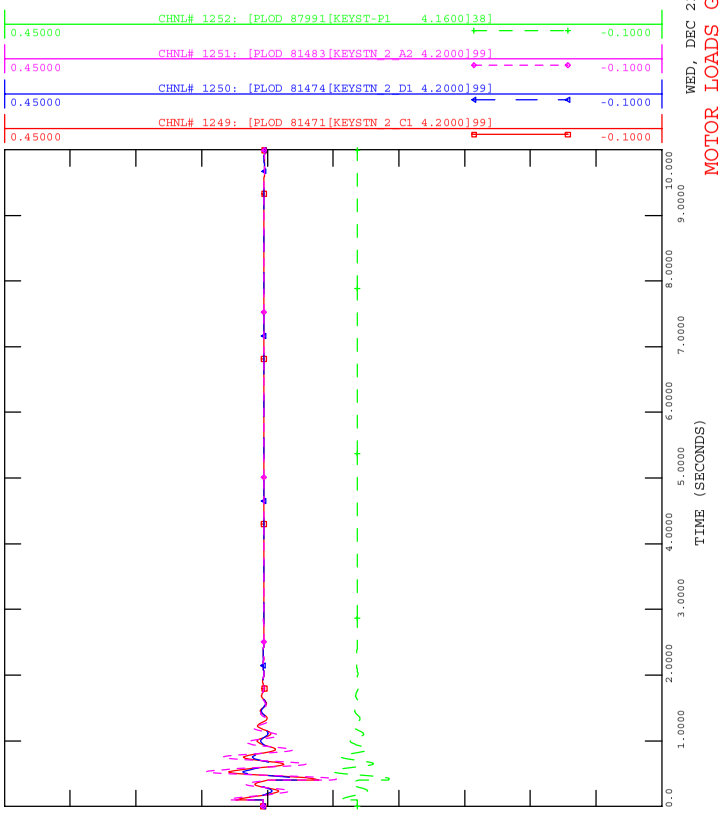


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-6fault.out



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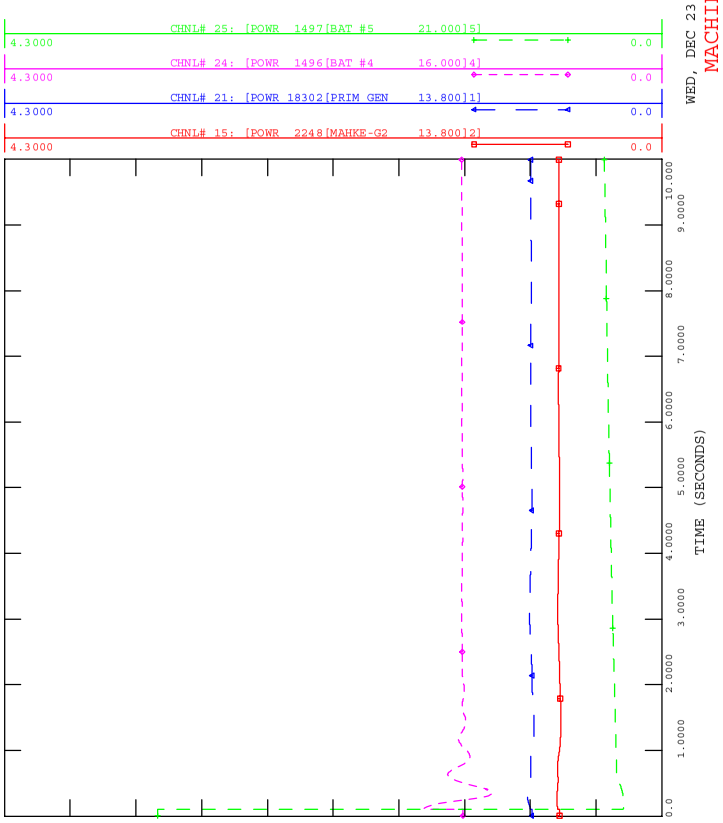
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

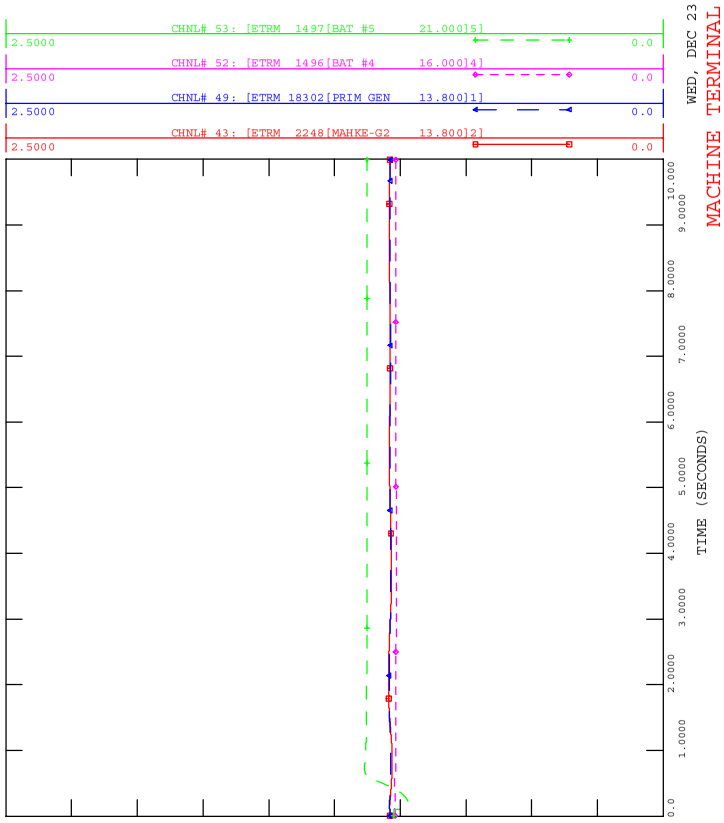


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

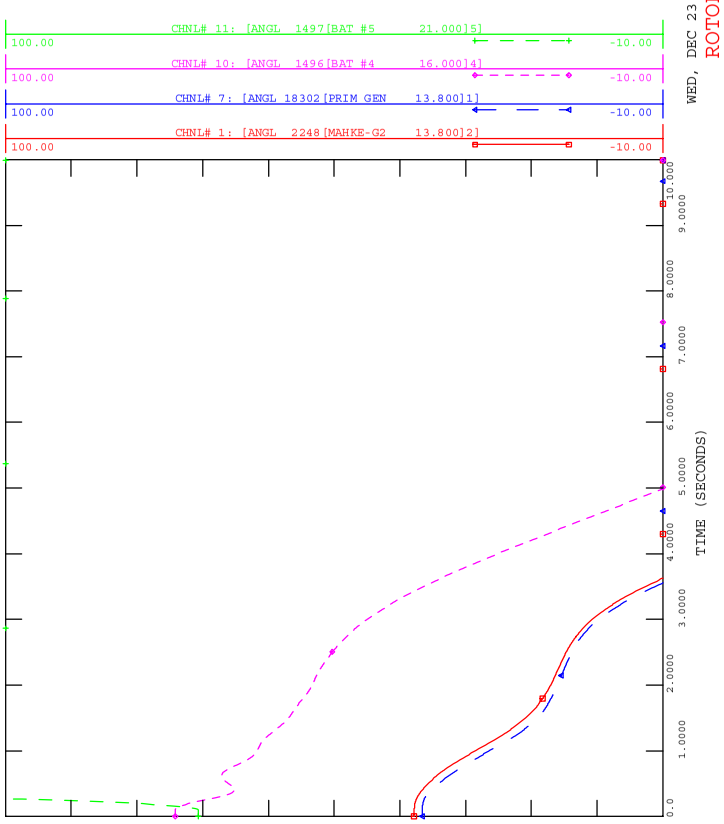


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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ROTOR ANGLES

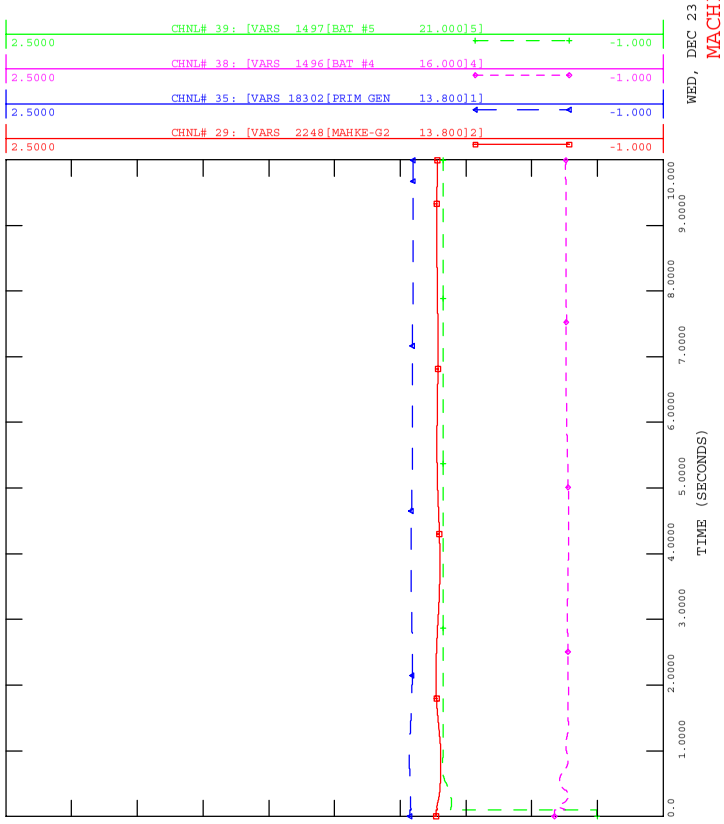


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

WED, DEC 23 2009 15:54

MACHINE VARS

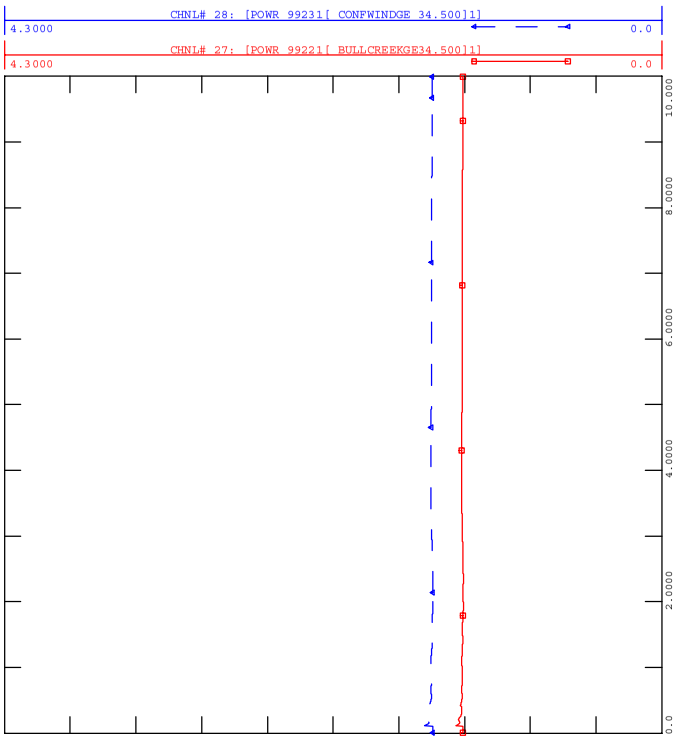


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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WIND MACHINE POWER

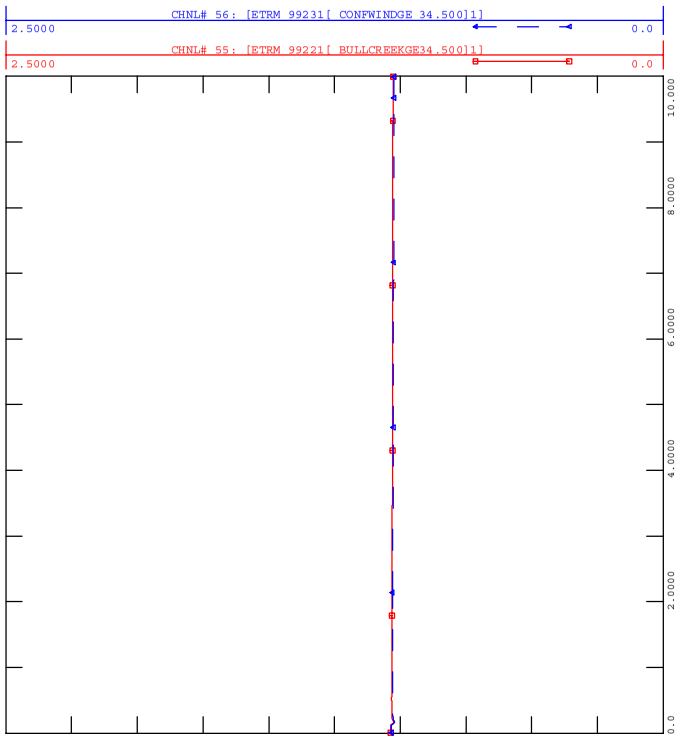


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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WIND MACH. TERMINAL VOLTS

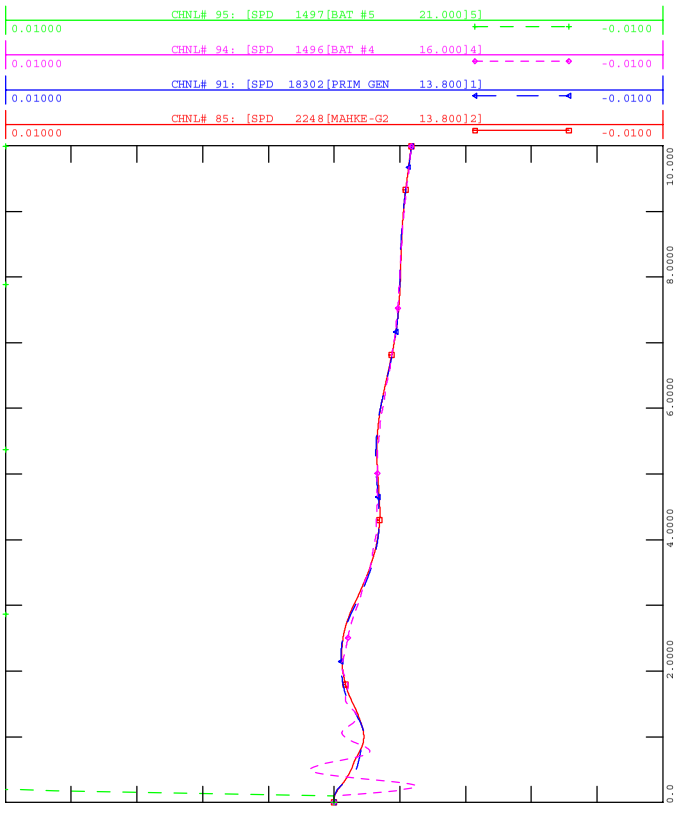


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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MACHINE SPEED

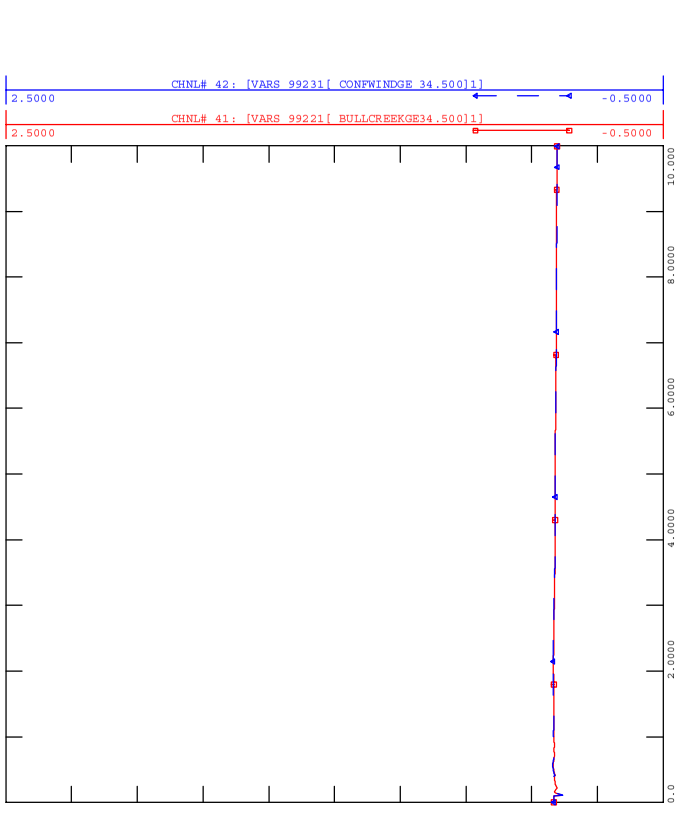


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE VARS

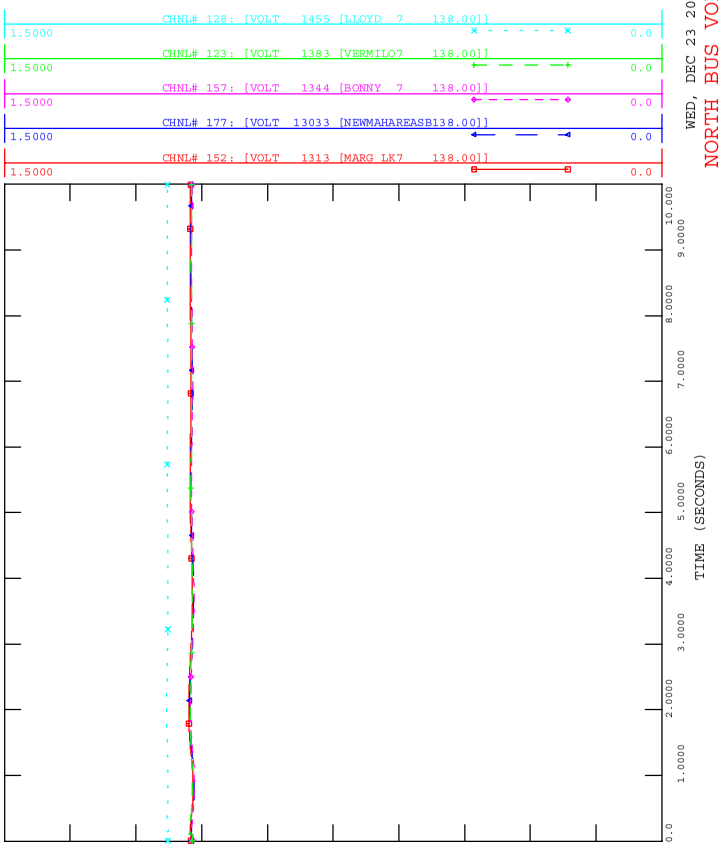


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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NORTH BUS VOLTAGES

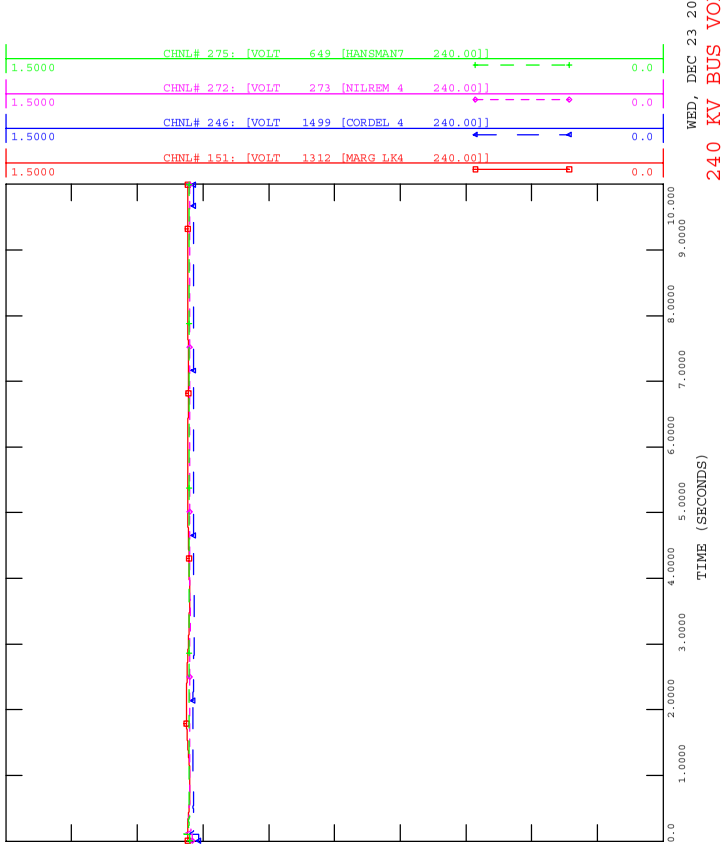


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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240 KV BUS VOLTAGES

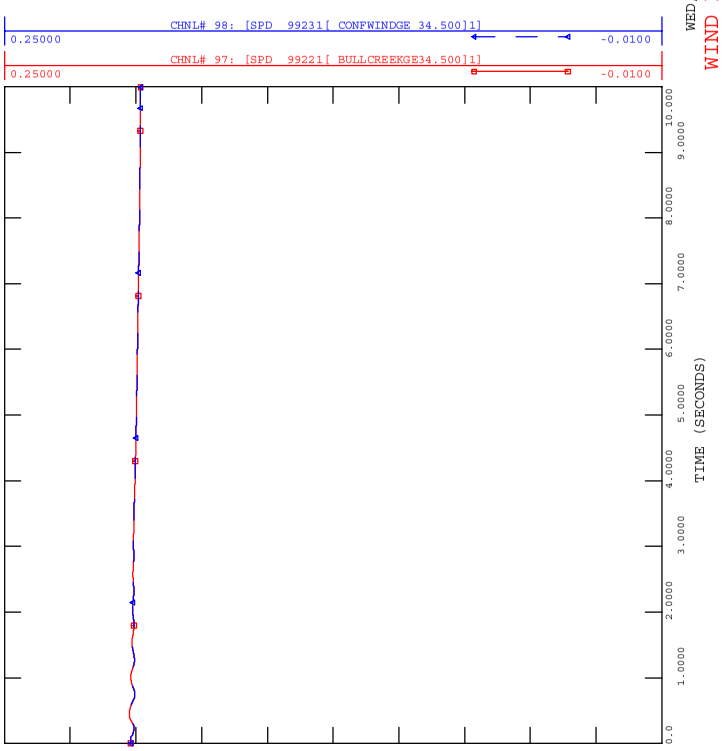


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

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WIND MACHINE SPEED

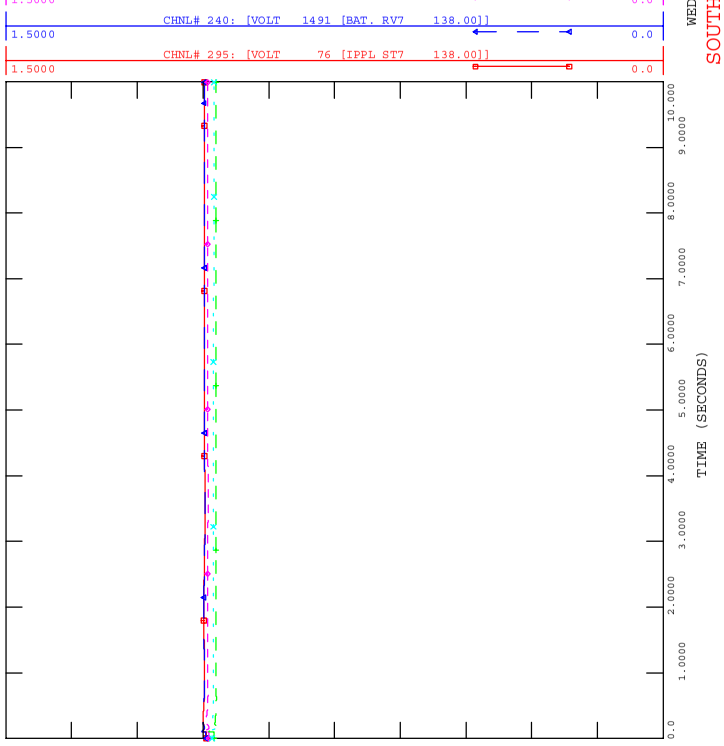


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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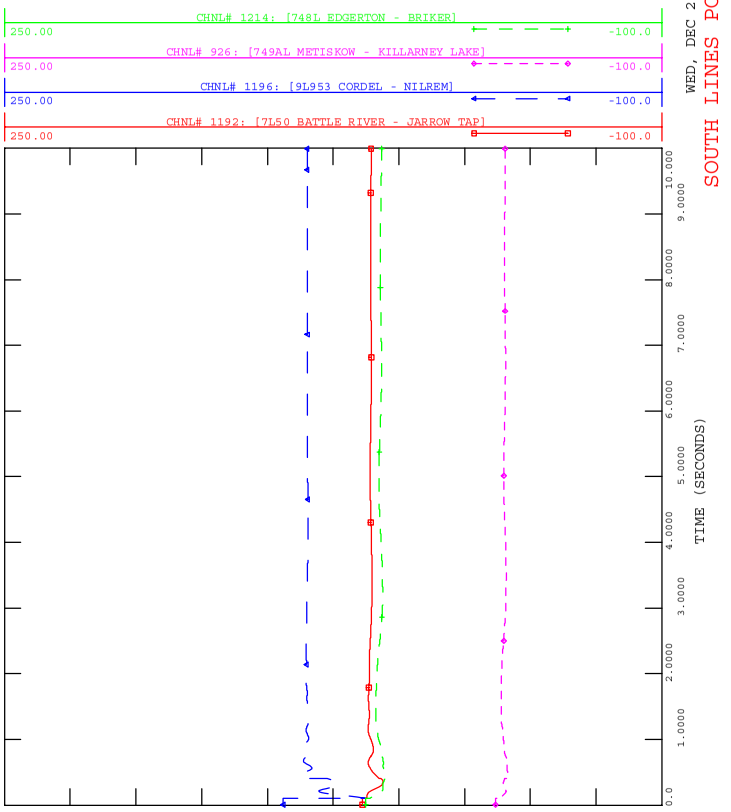
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SOUTH BUS VOLTAGES



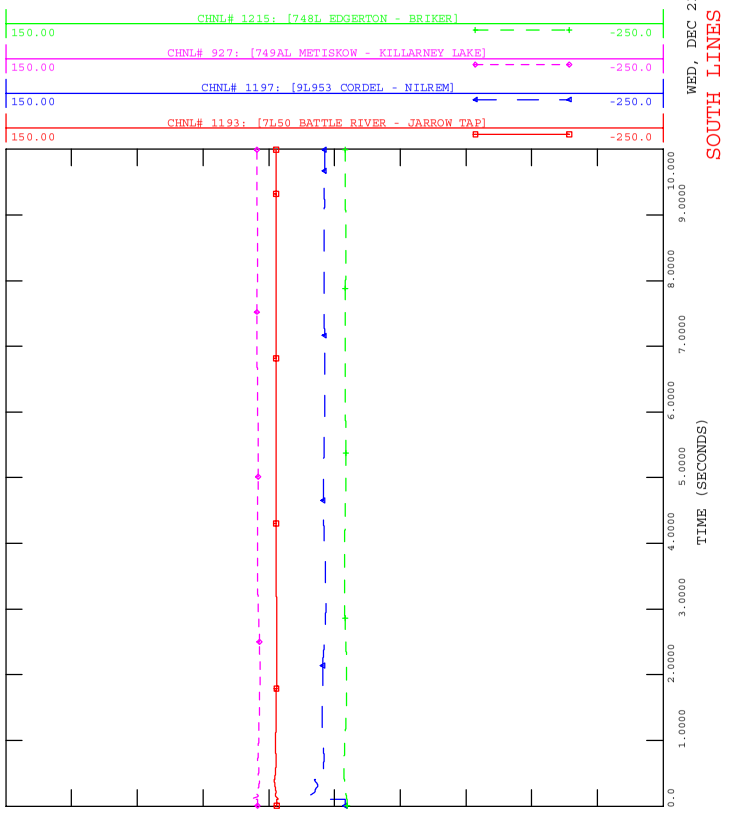
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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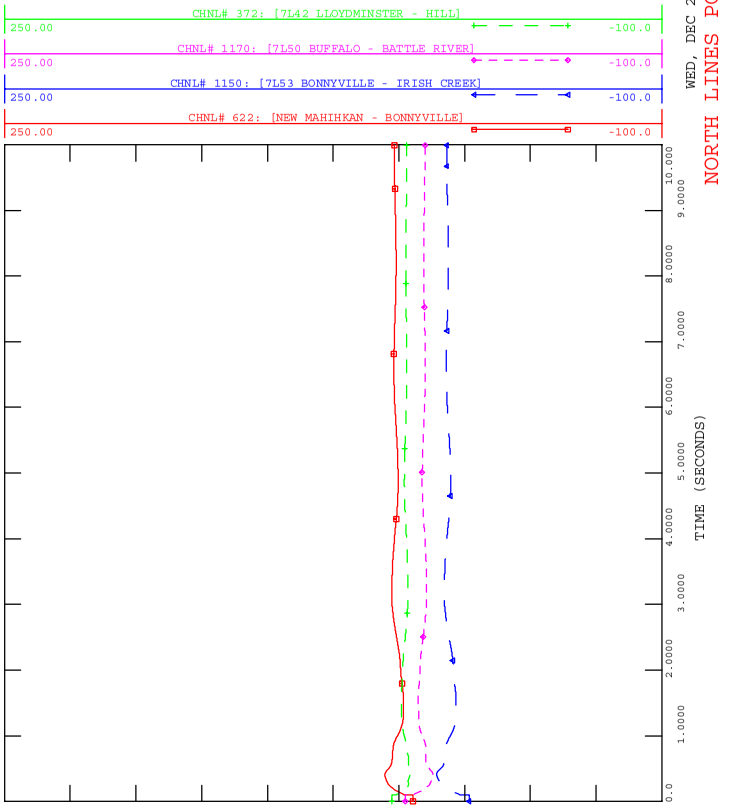
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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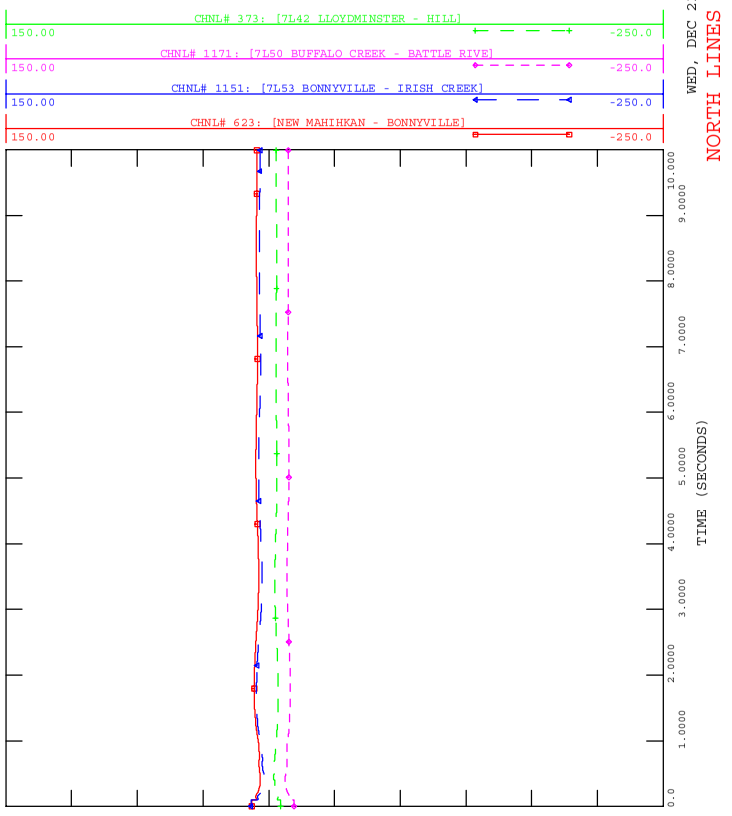
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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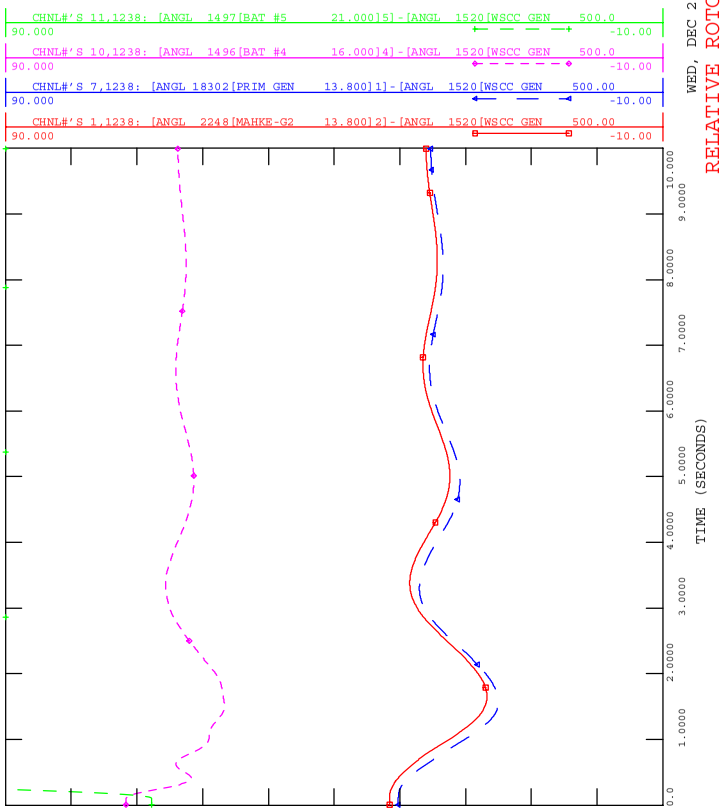


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

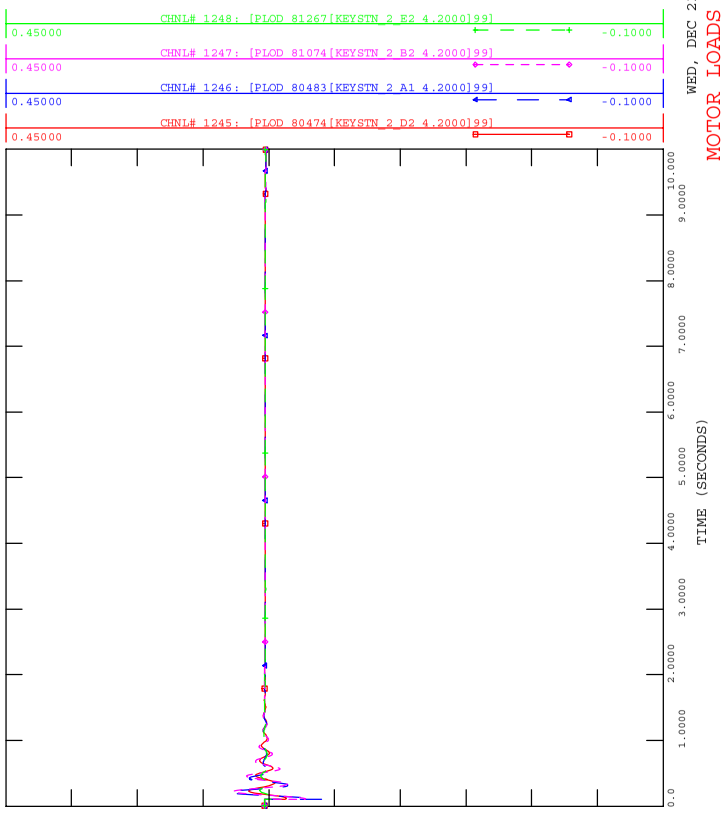


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out

WED, DEC 23 2009 15:54

MOTOR LOADS GROUP II

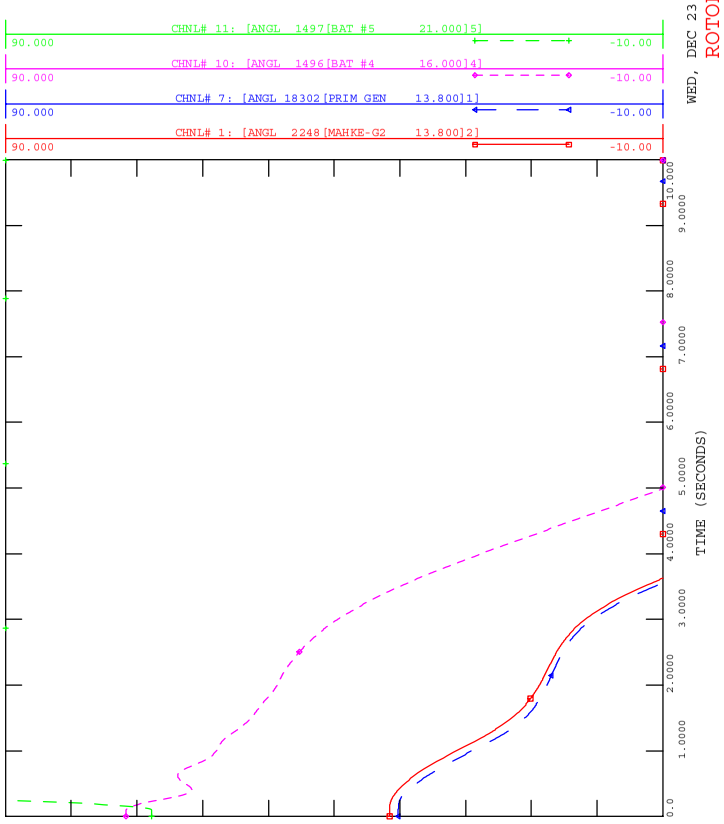


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

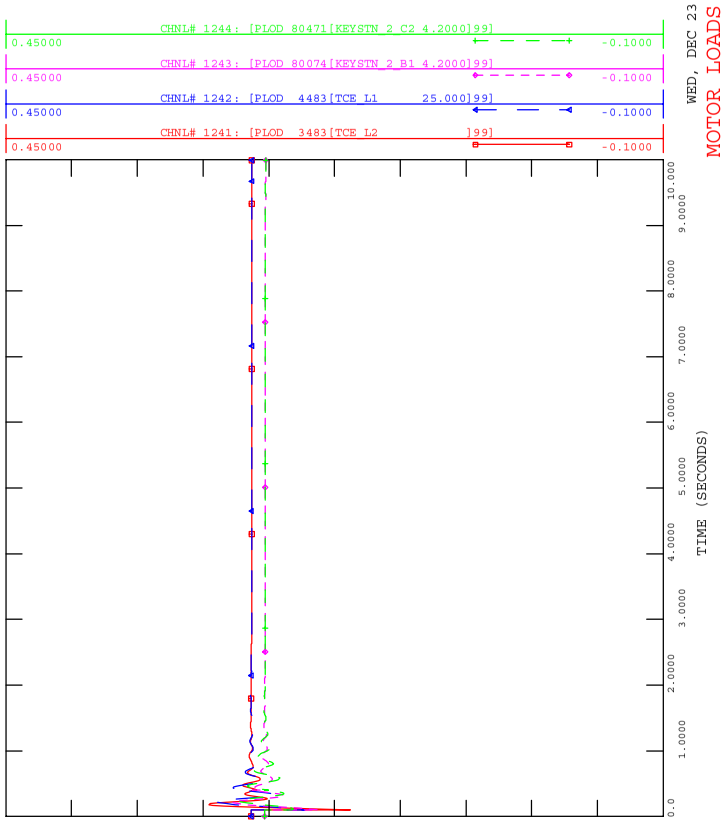


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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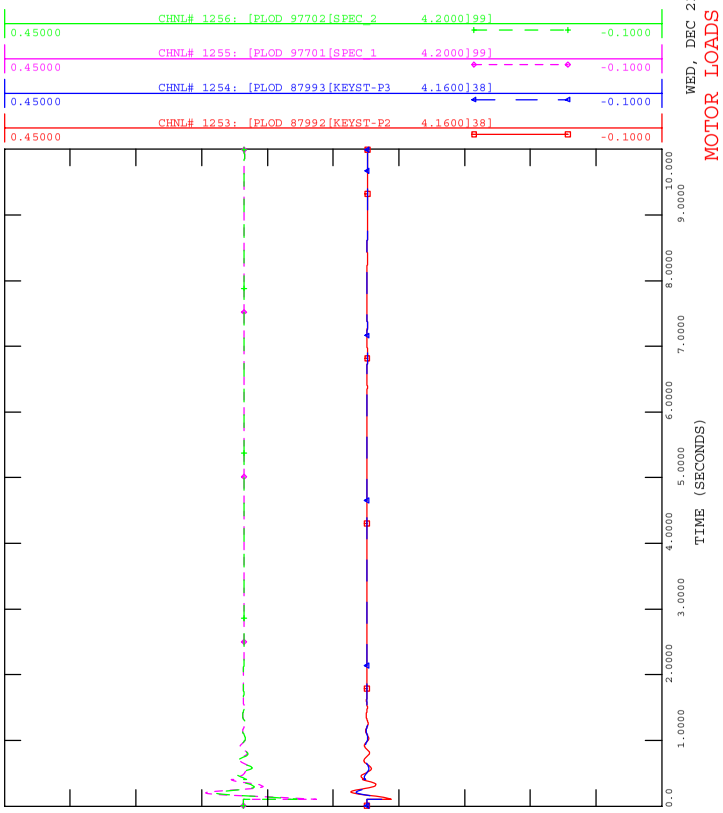
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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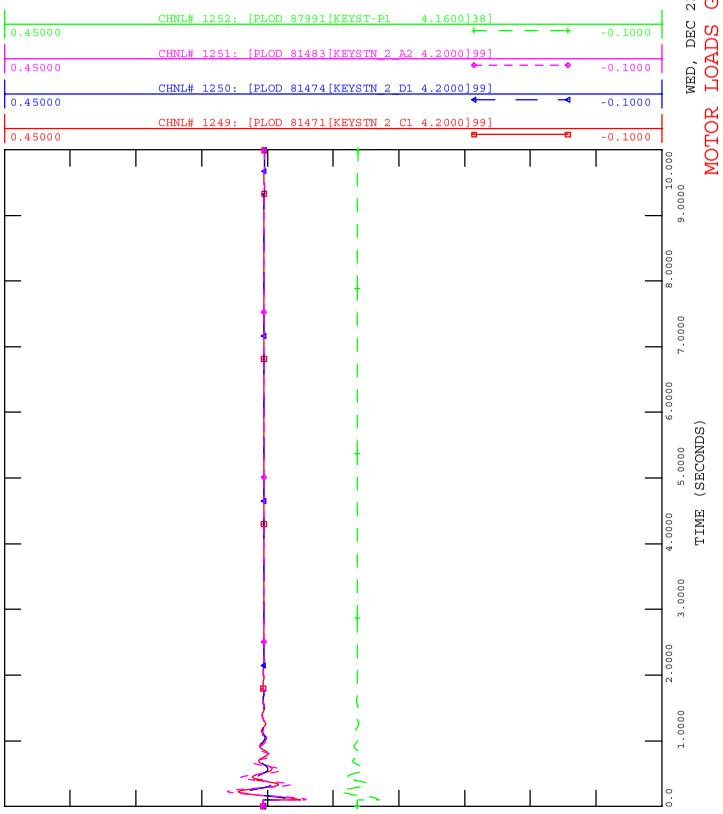


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-7fault.out



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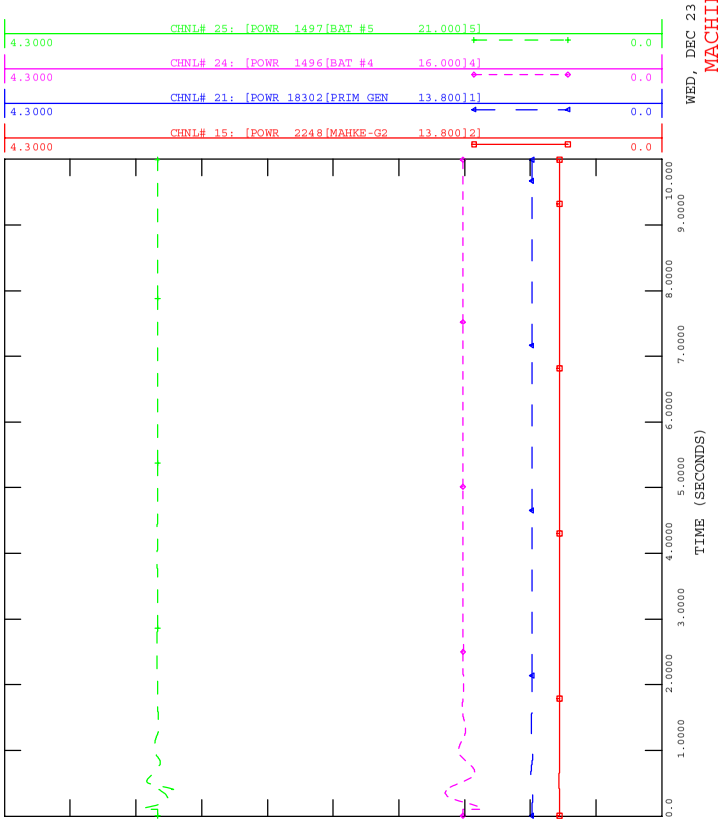
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:54

MACHINE POWER

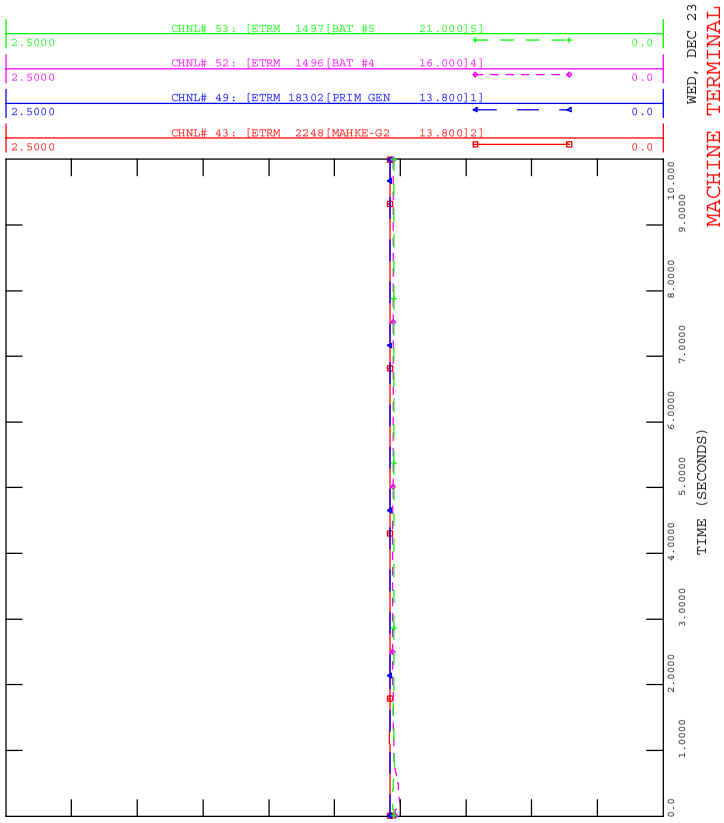


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:54

MACHINE TERMINAL VOLTAGE

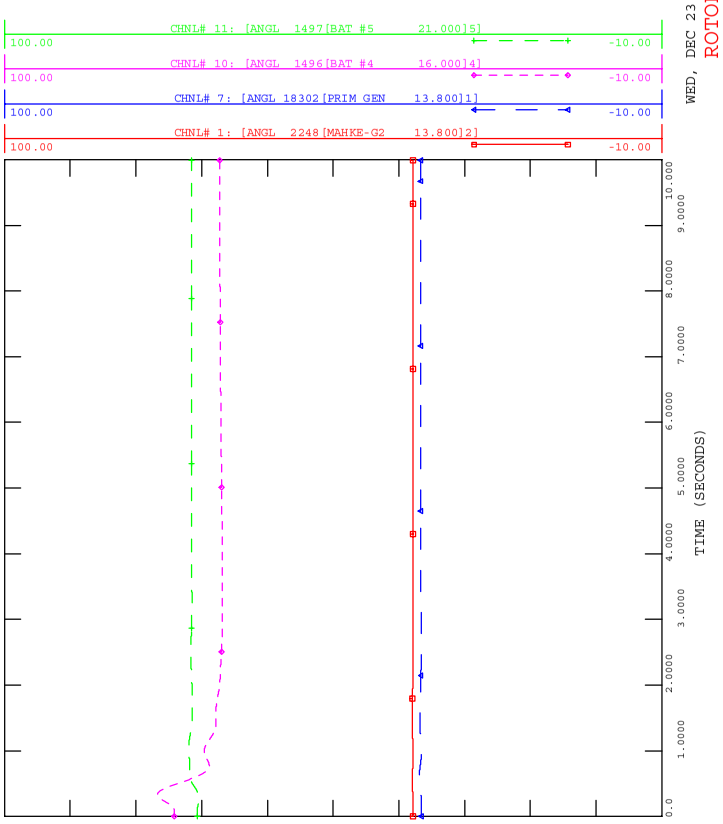


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

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ROTOR ANGLES

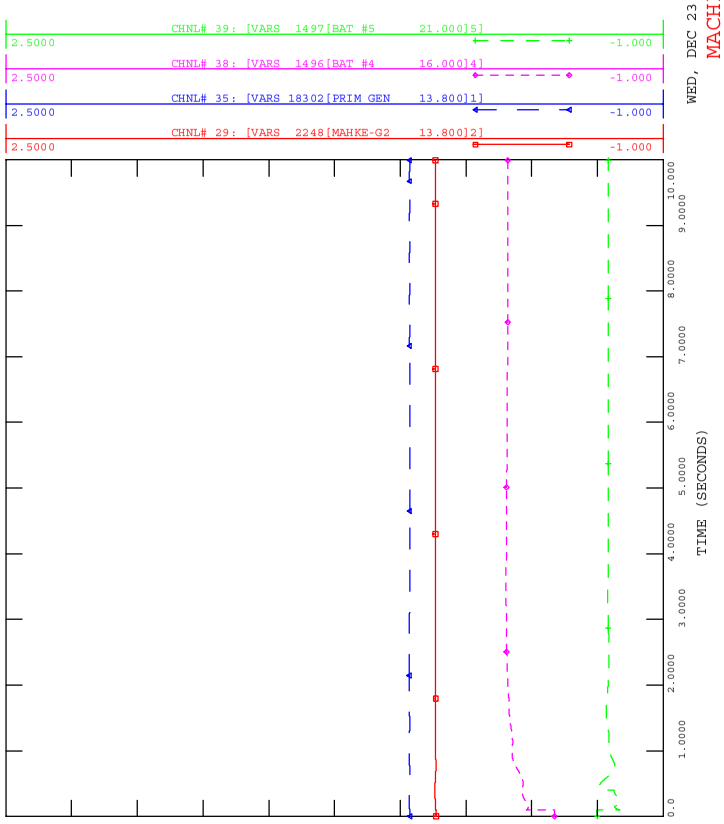


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

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MACHINE VARS

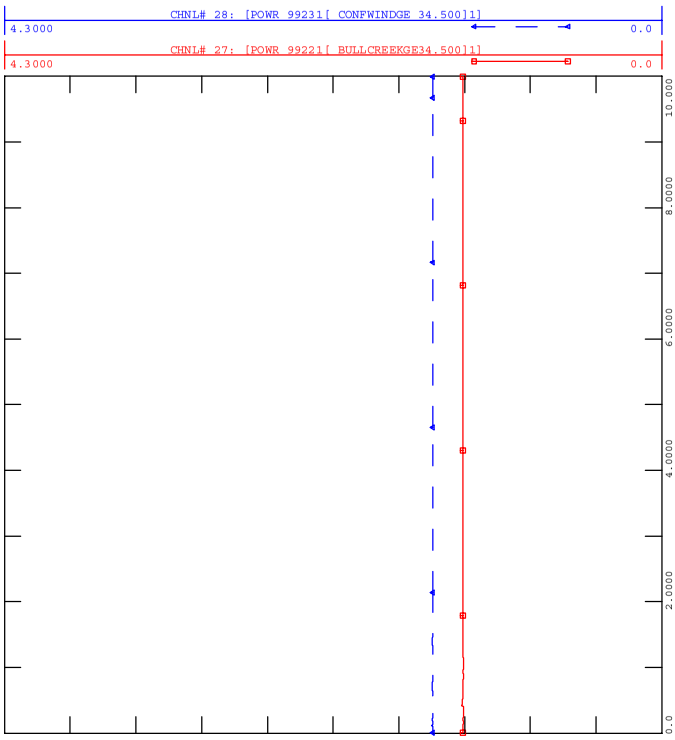


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

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WIND MACHINE POWER

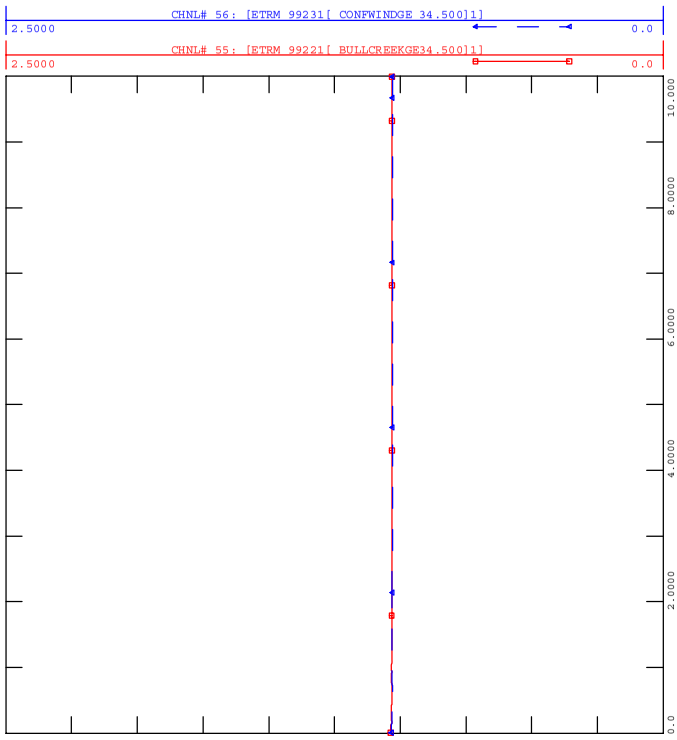


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

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WIND MACH. TERMINAL VOLTS

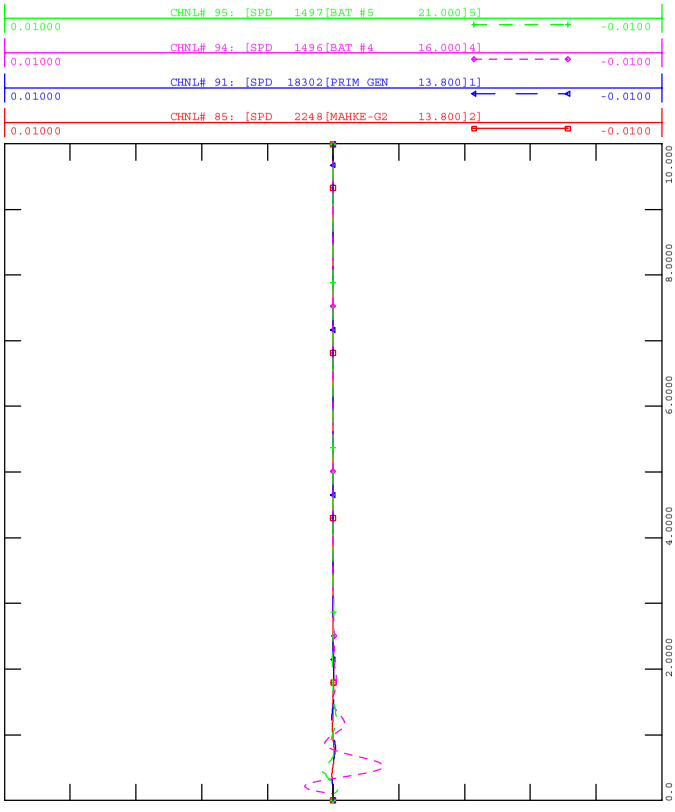


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:54

MACHINE SPEED

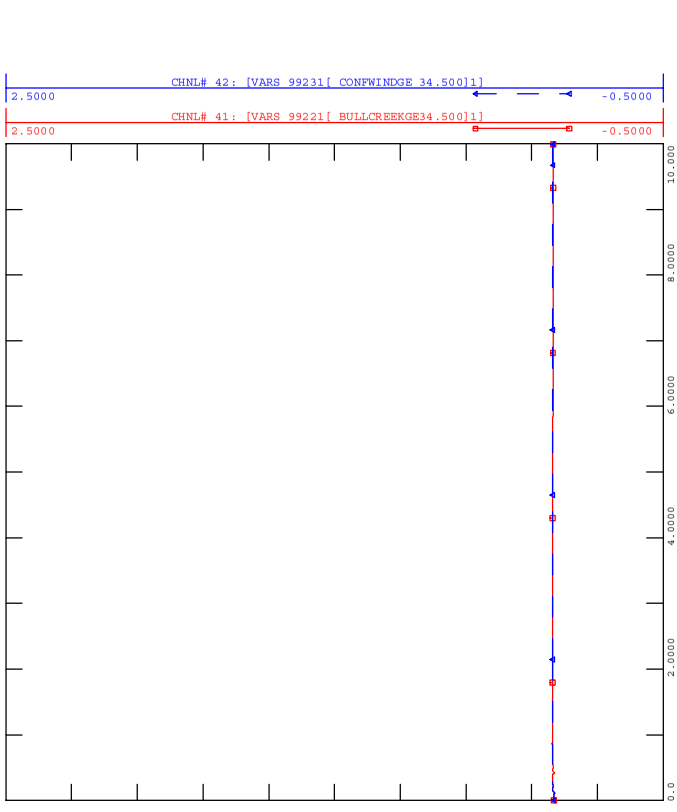


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

WIND MACHINE VARS

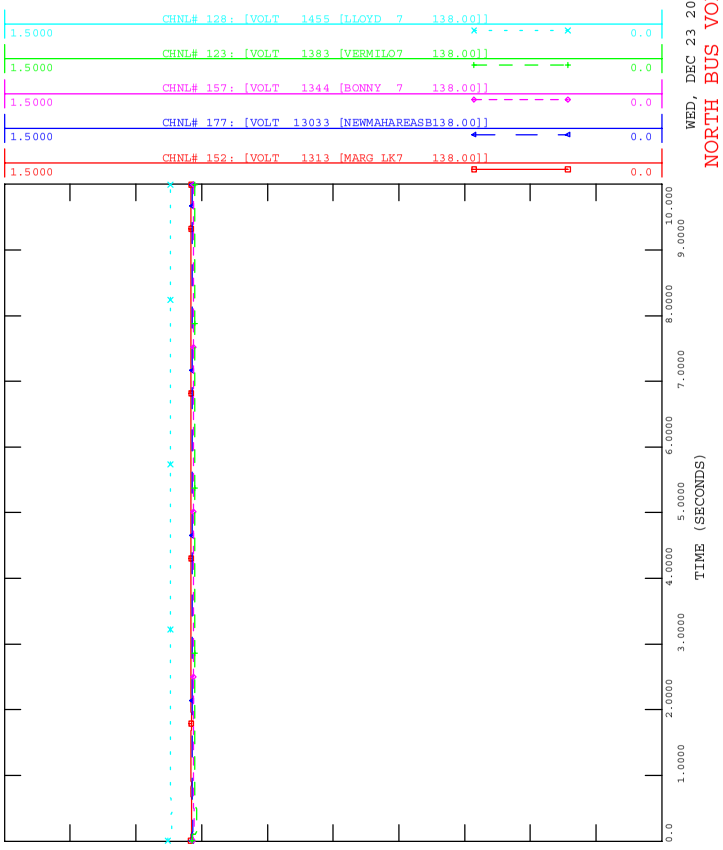


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

NORTH BUS VOLTAGES

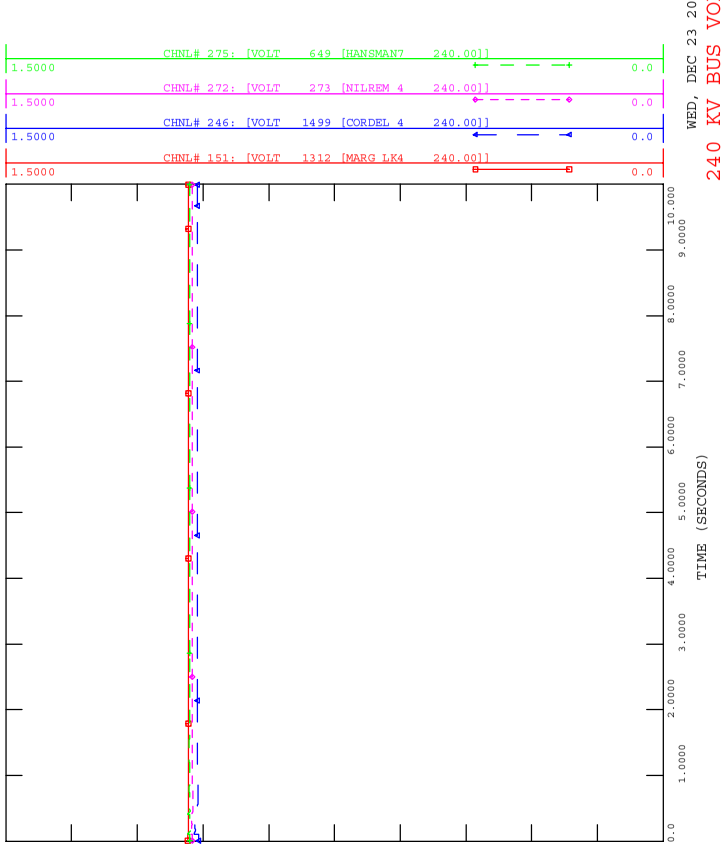


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

240 KV BUS VOLTAGES

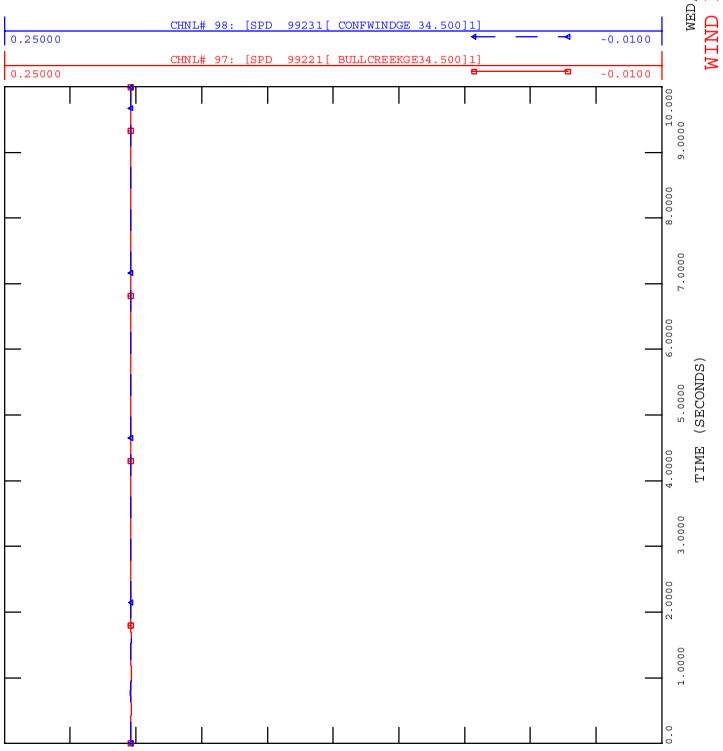


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

WIND MACHINE SPEED

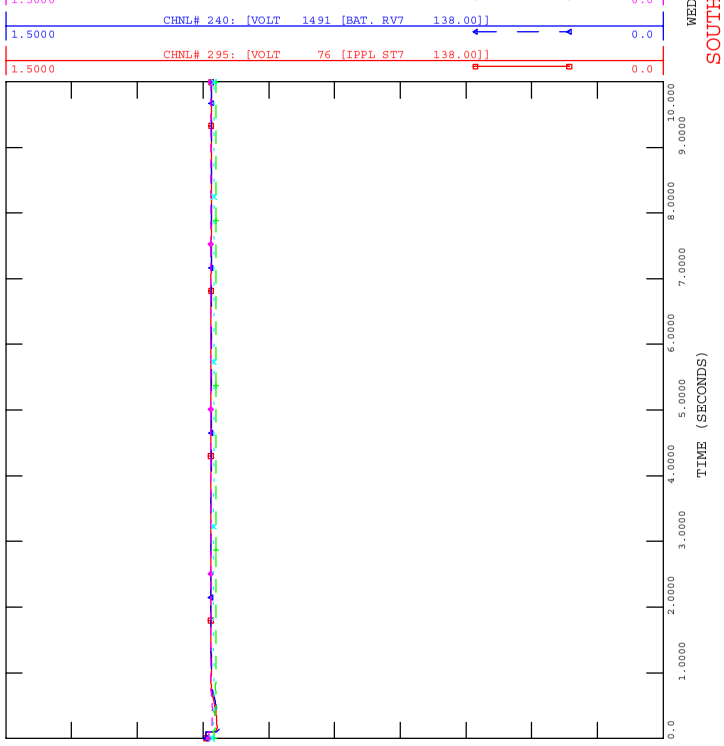


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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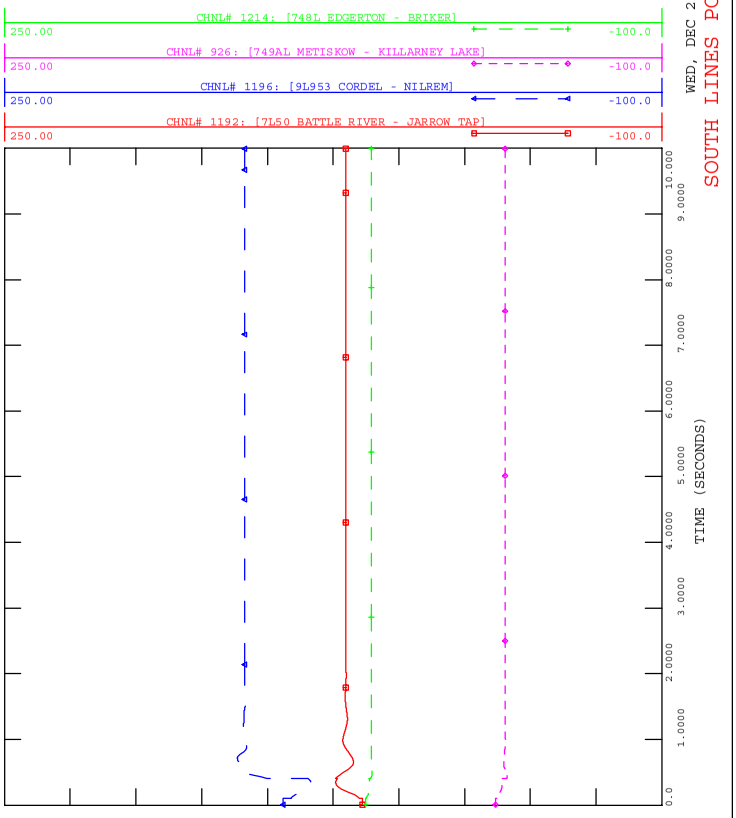
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SOUTH BUS VOLTAGES



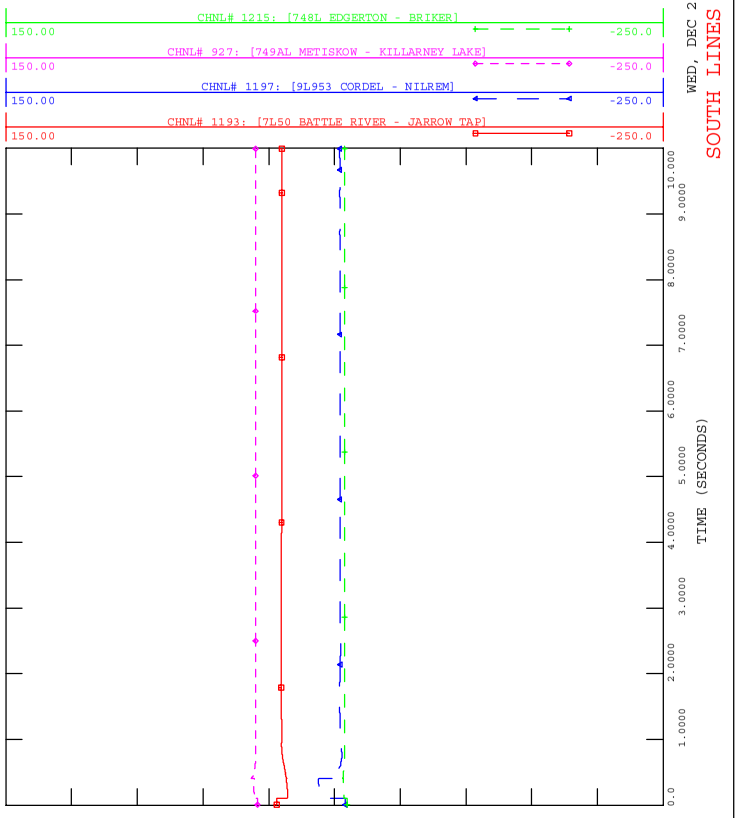
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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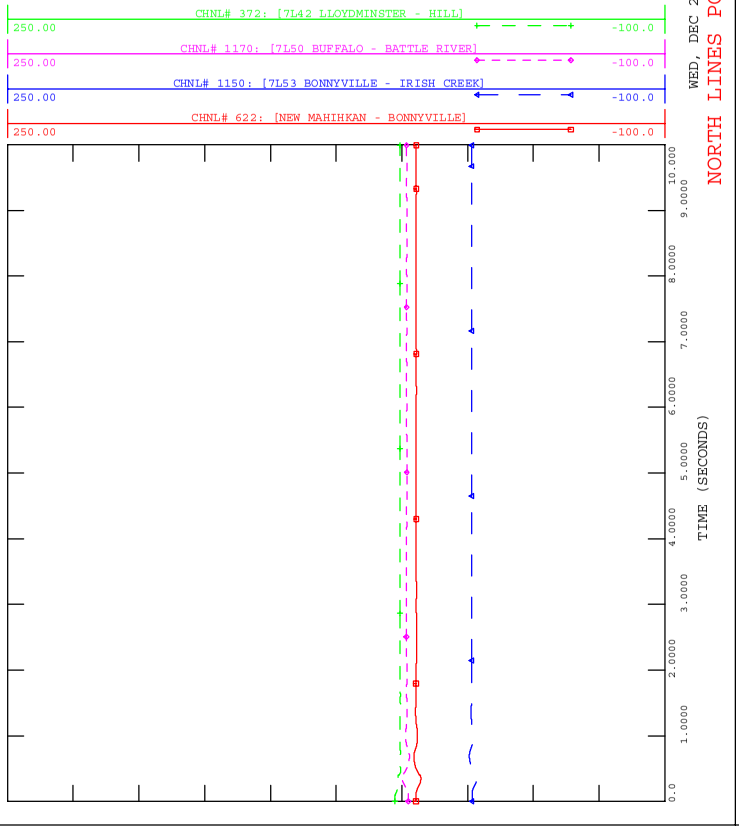
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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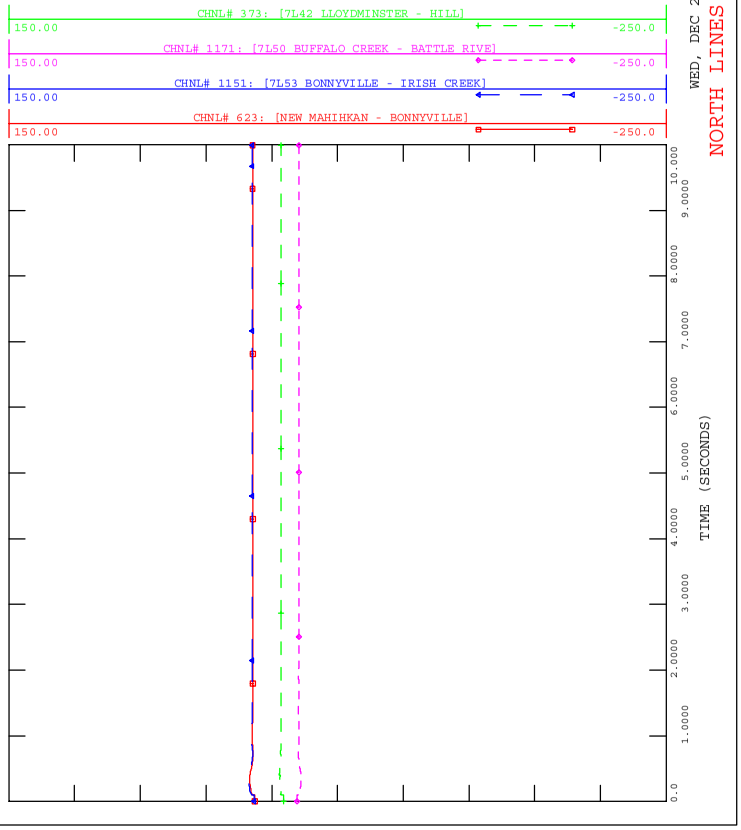
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

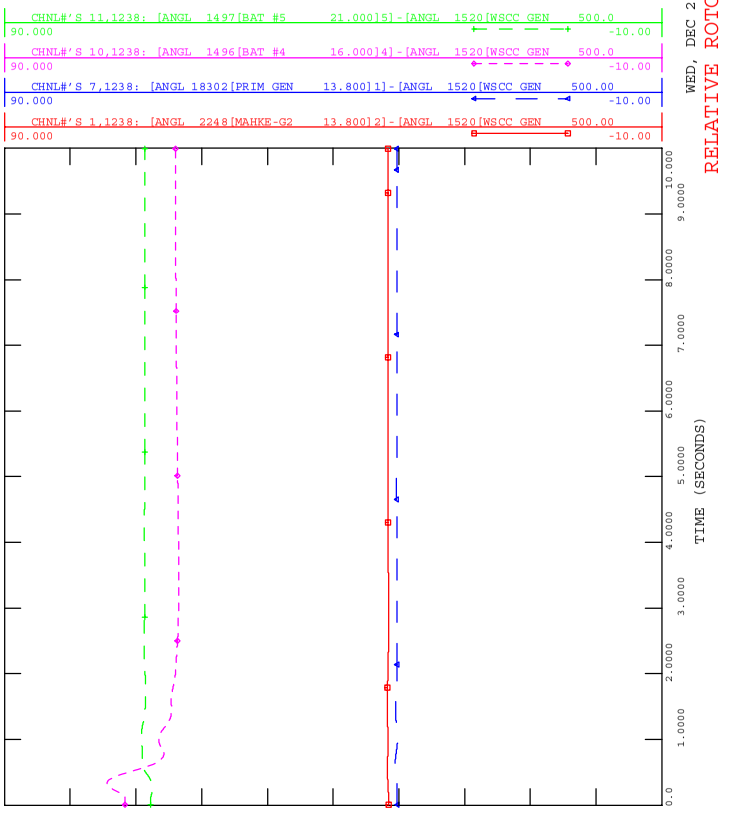


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

RELATIVE ROTOR ANGLES

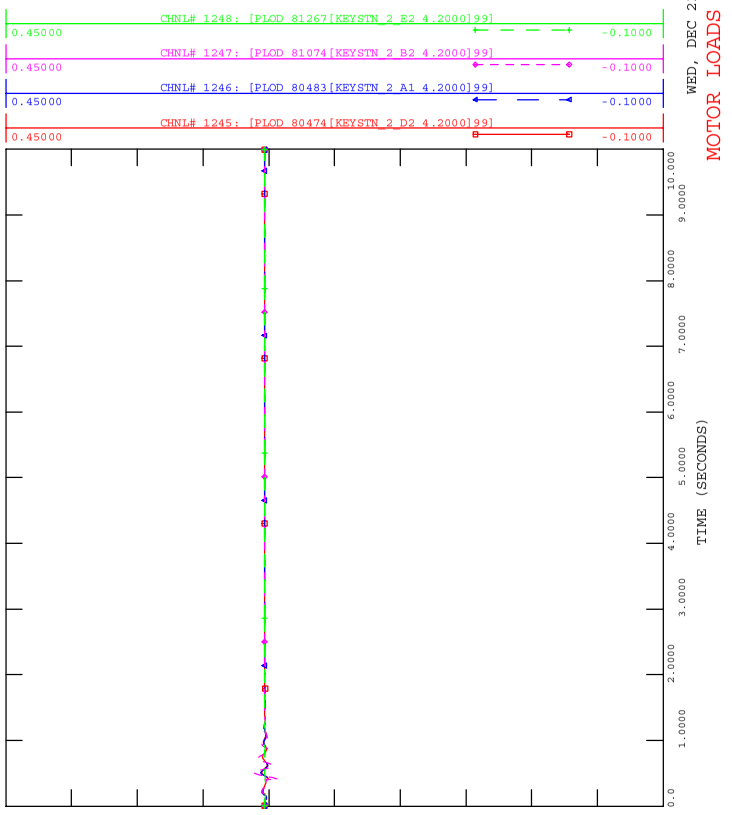


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

MOTOR LOADS GROUP II

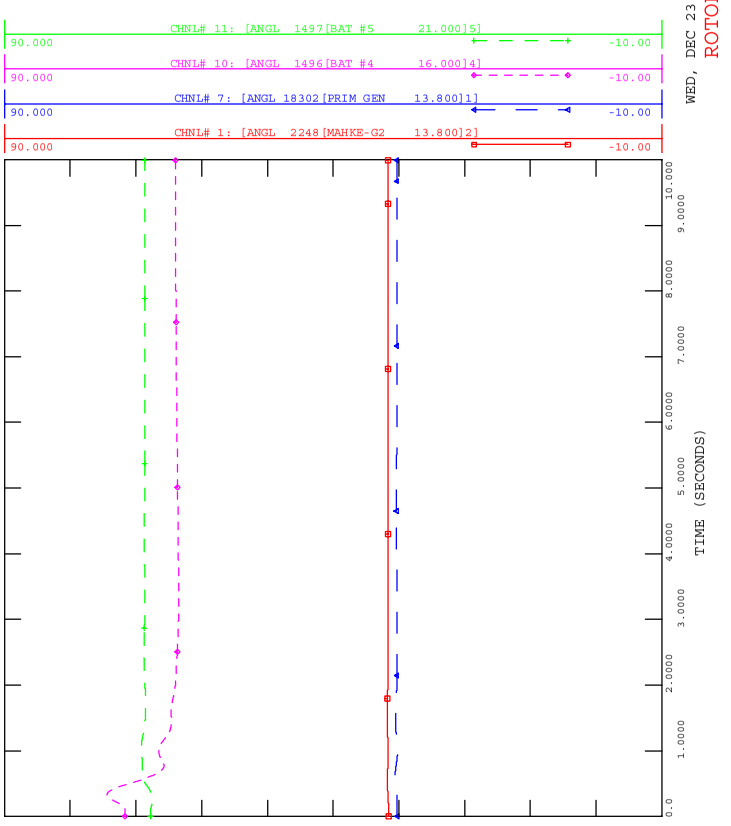


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

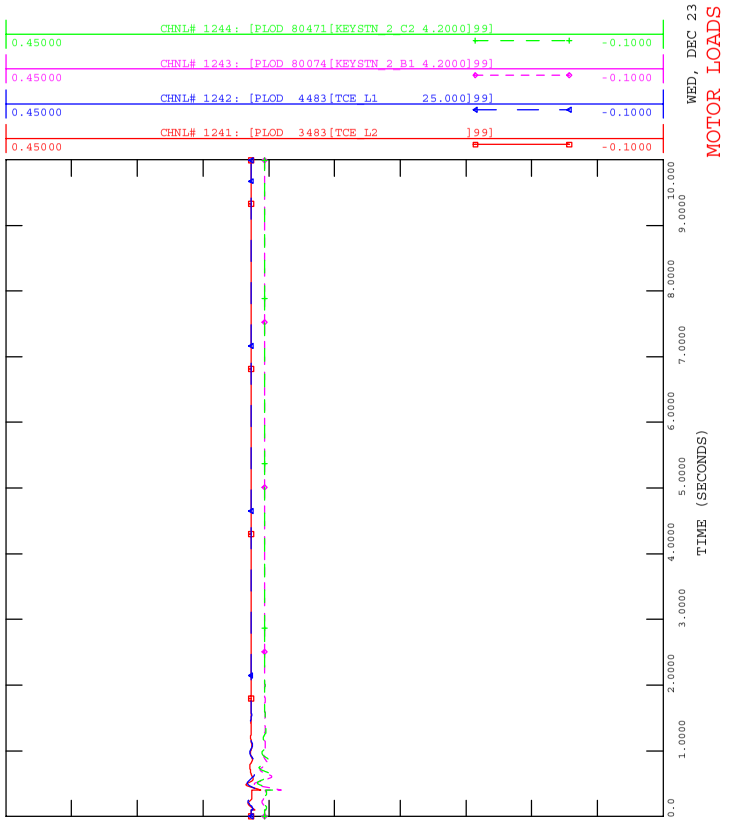


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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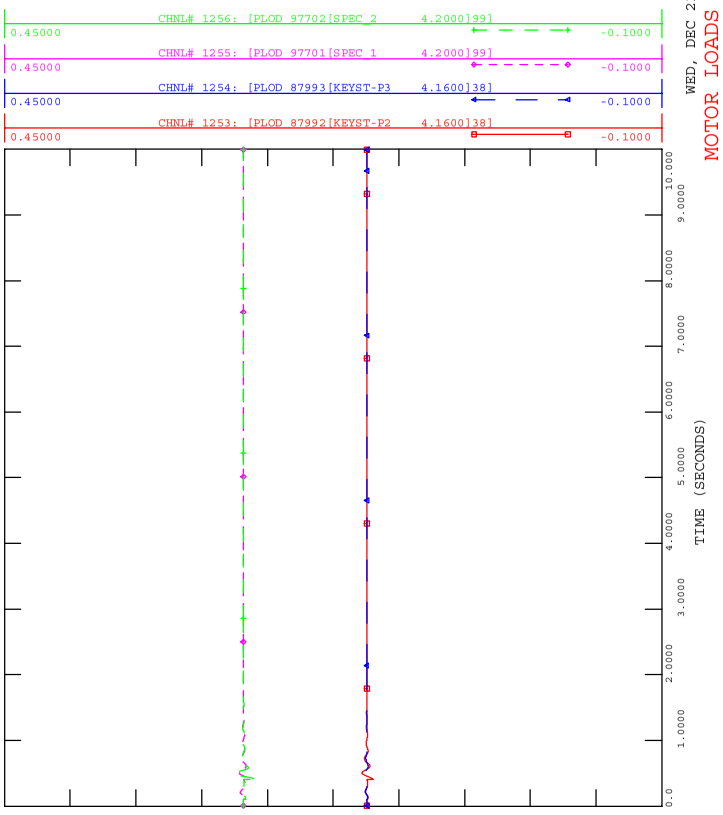
WED, DEC 23 2009 15:55

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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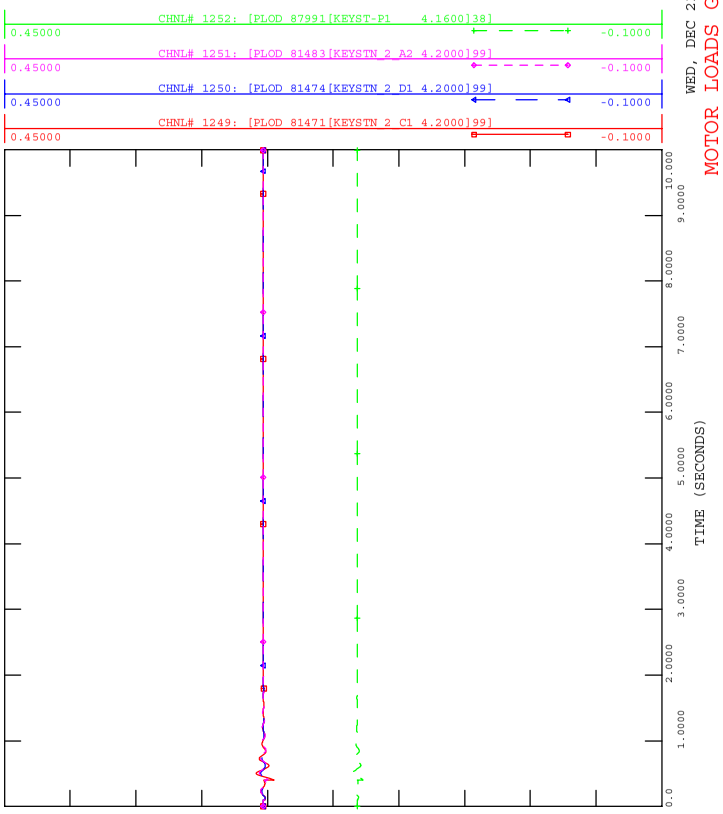


WED, DEC 23 2009 15:55

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-8fault.out



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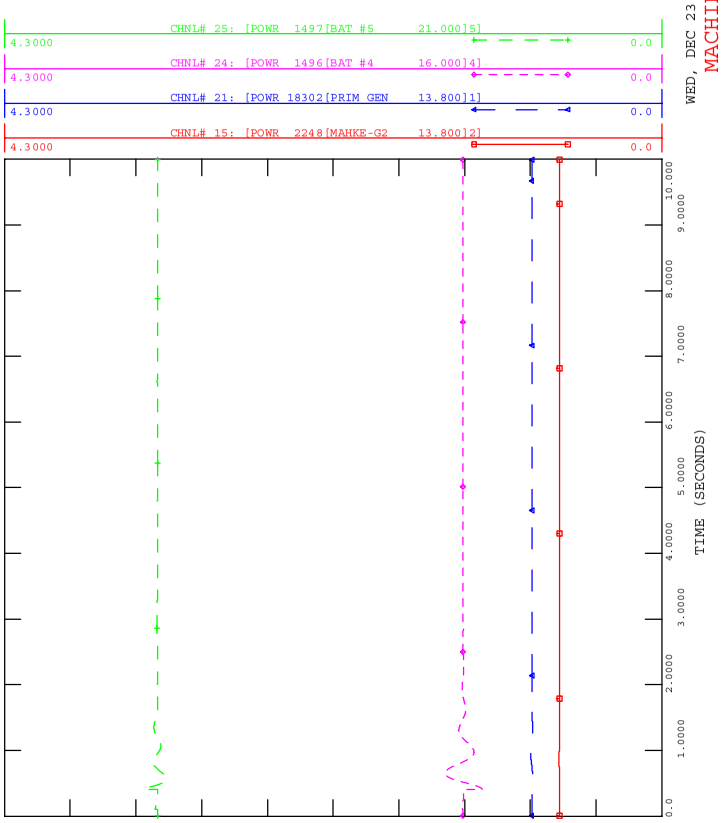
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

MACHINE POWER

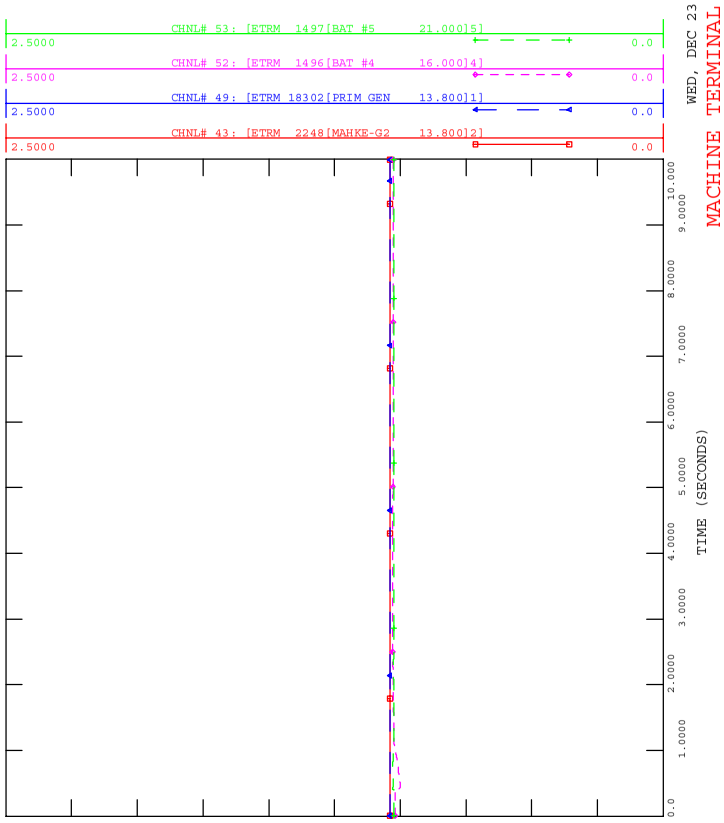


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

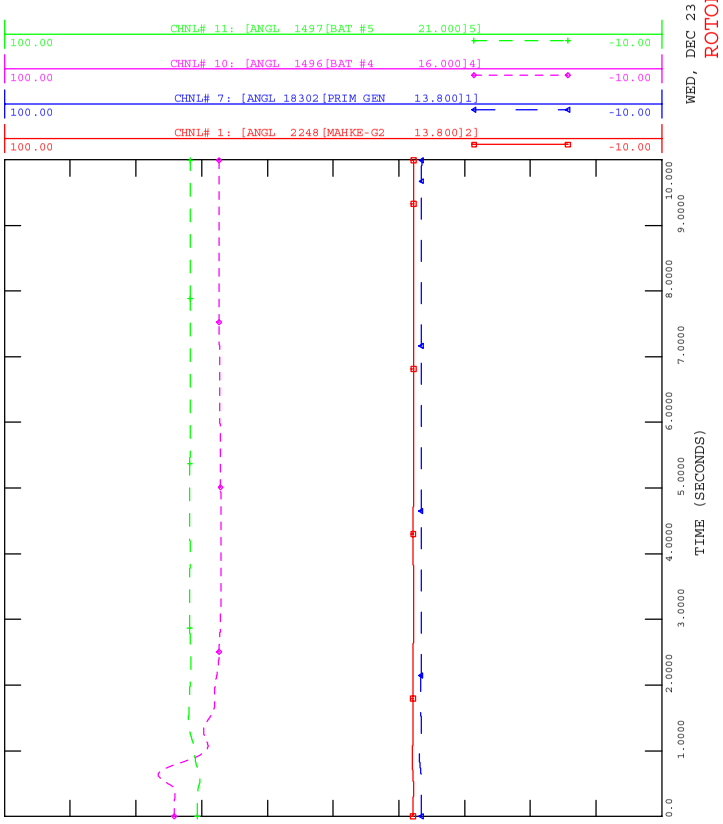


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

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ROTOR ANGLES

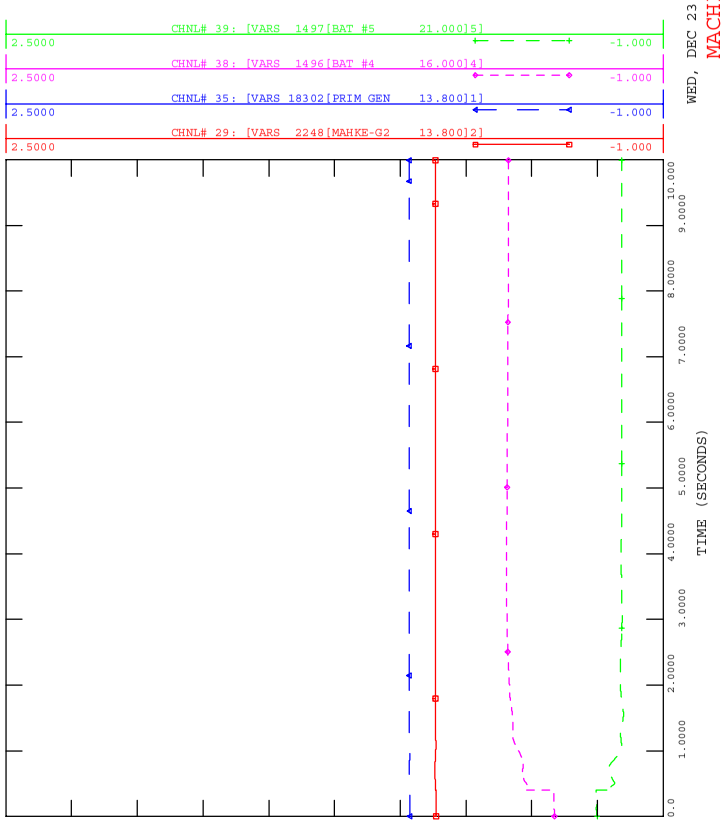


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

MACHINE VARS

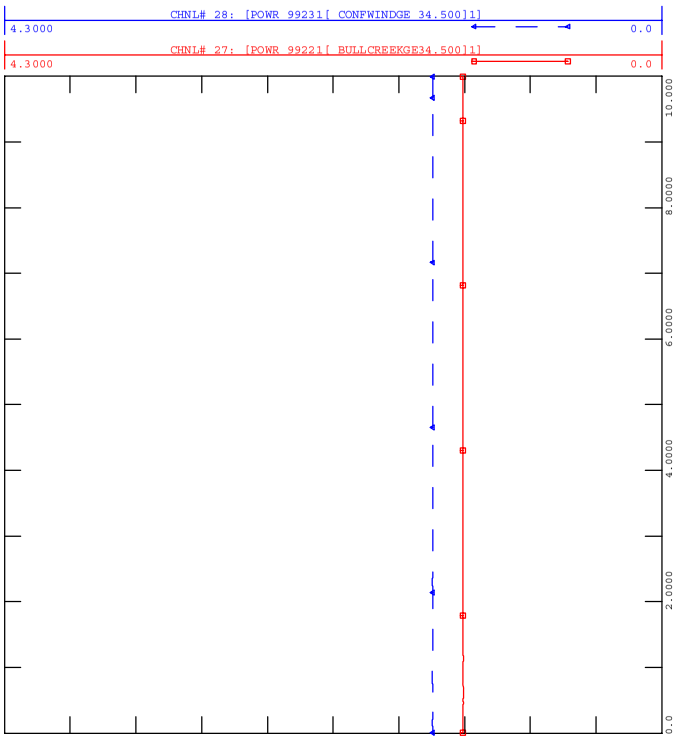


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

WIND MACHINE POWER

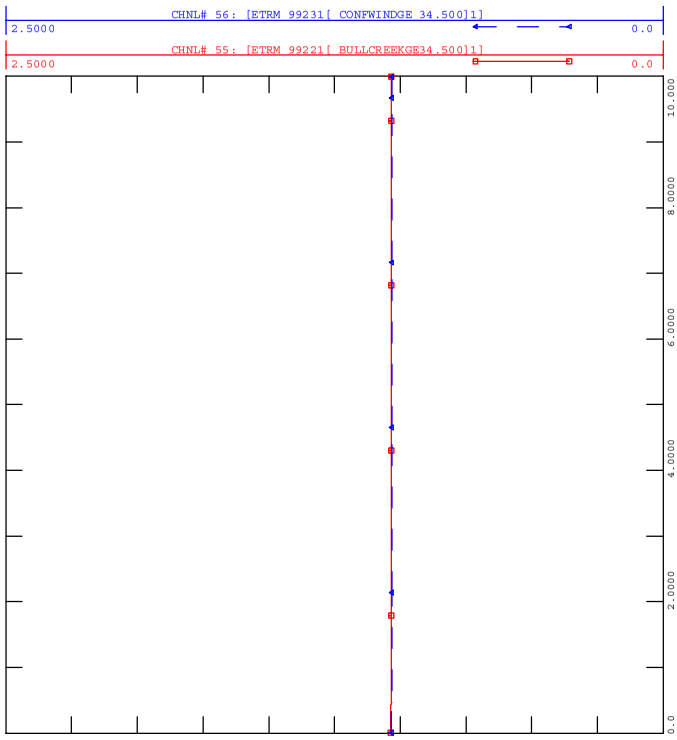


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

WIND MACH. TERMINAL VOLTS

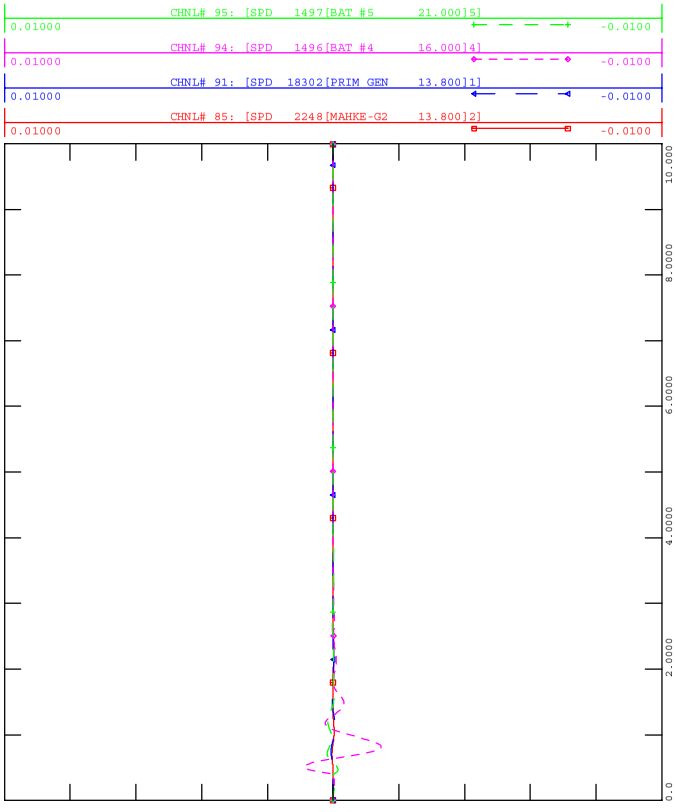


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

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MACHINE SPEED

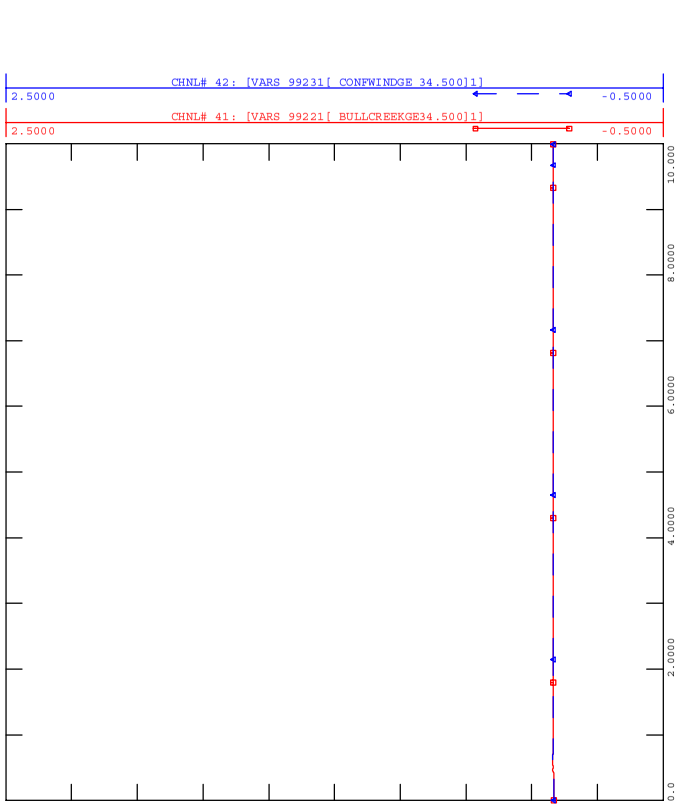


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

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WIND MACHINE VARS

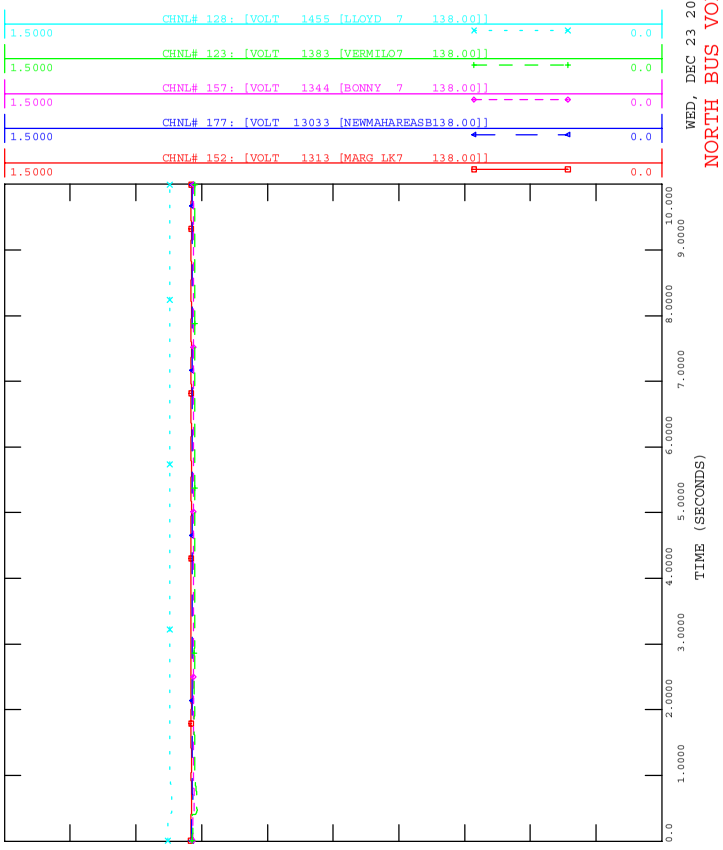


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

NORTH BUS VOLTAGES

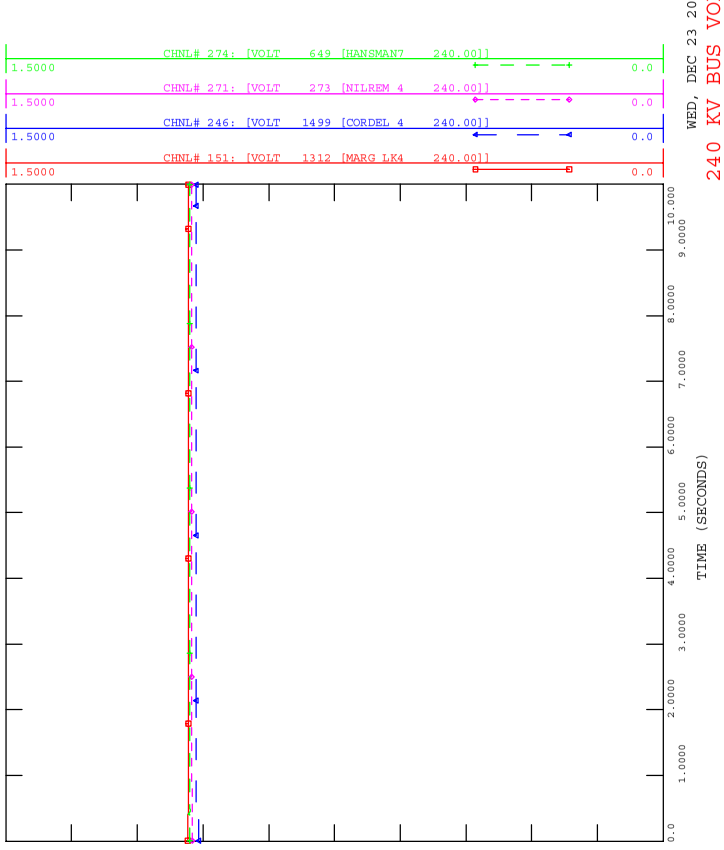


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

240 KV BUS VOLTAGES

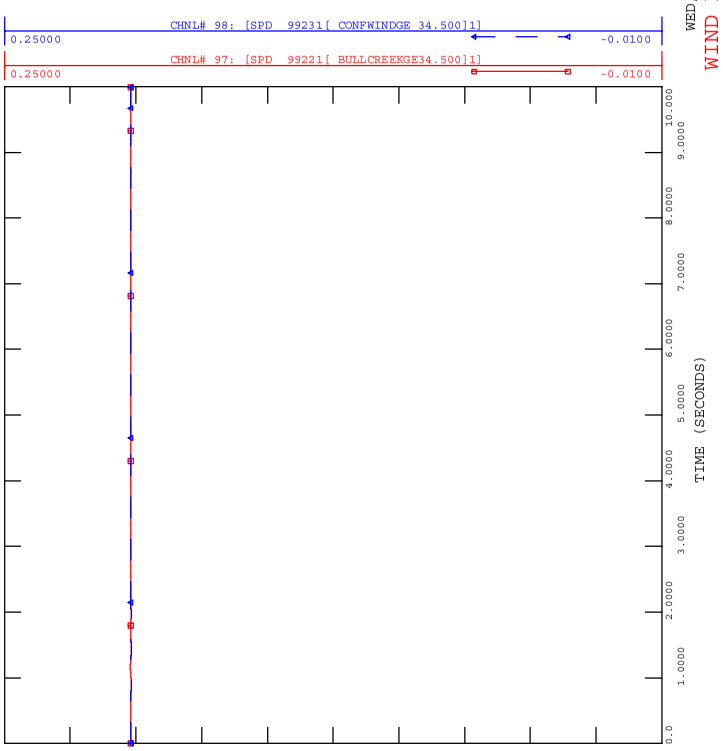


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

WIND MACHINE SPEED

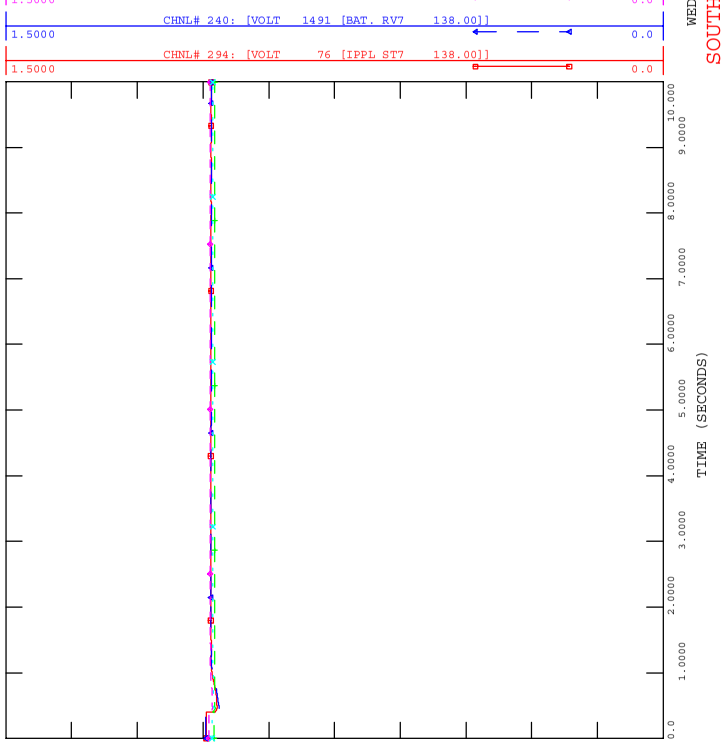


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

SOUTH BUS VOLTAGES

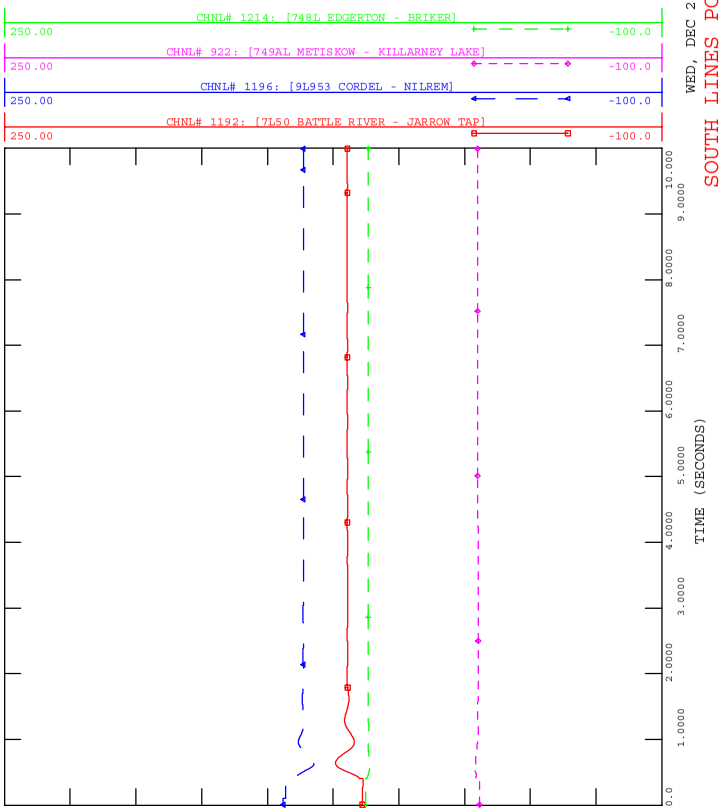


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

SOUTH LINES POWER FLOW

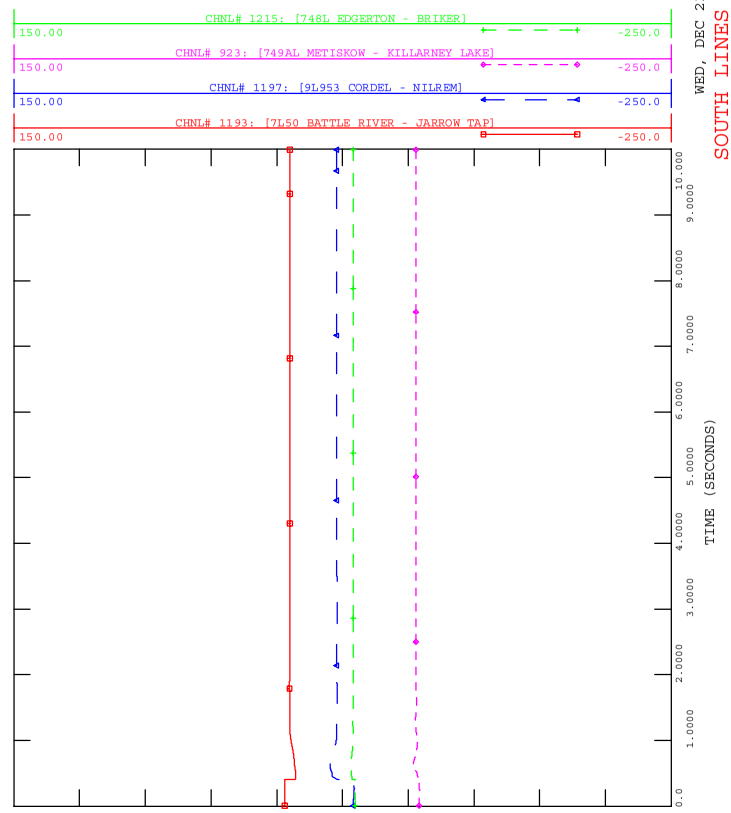


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

SOUTH LINES VAR FLOW

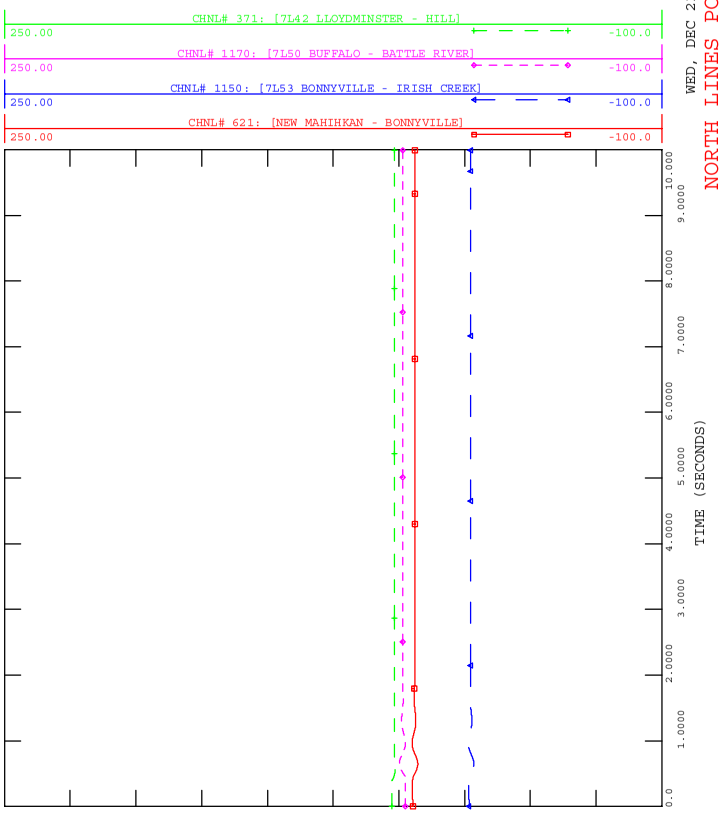


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

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NORTH LINES POWER FLOW

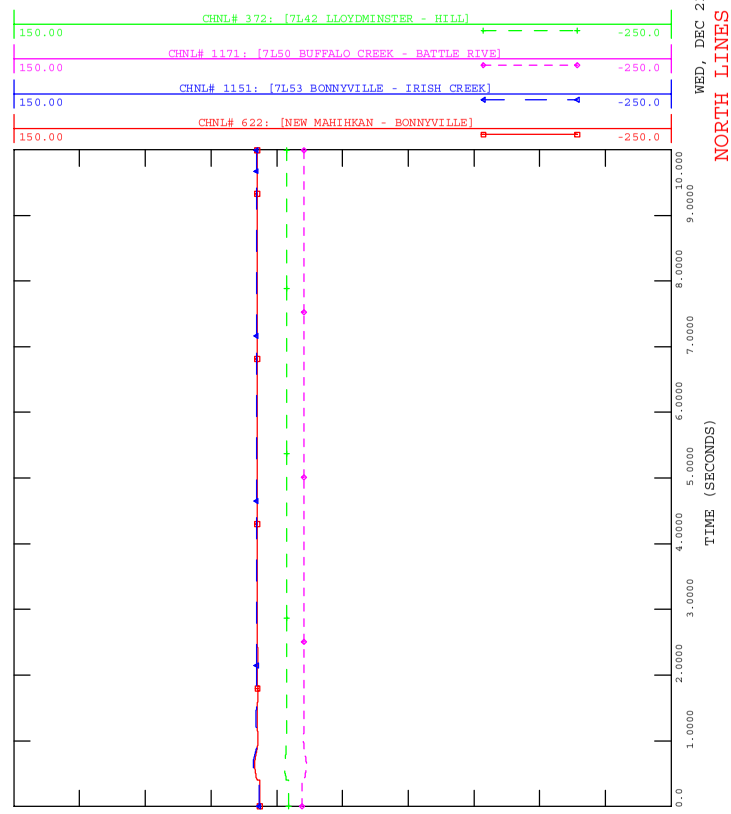


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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NORTH LINES VAR FLOW

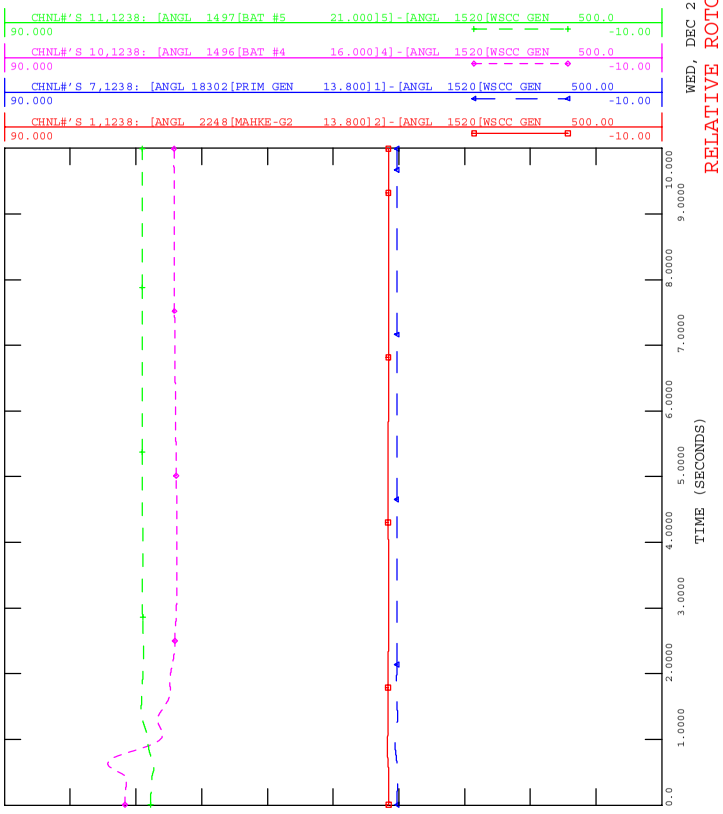


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

RELATIVE ROTOR ANGLES

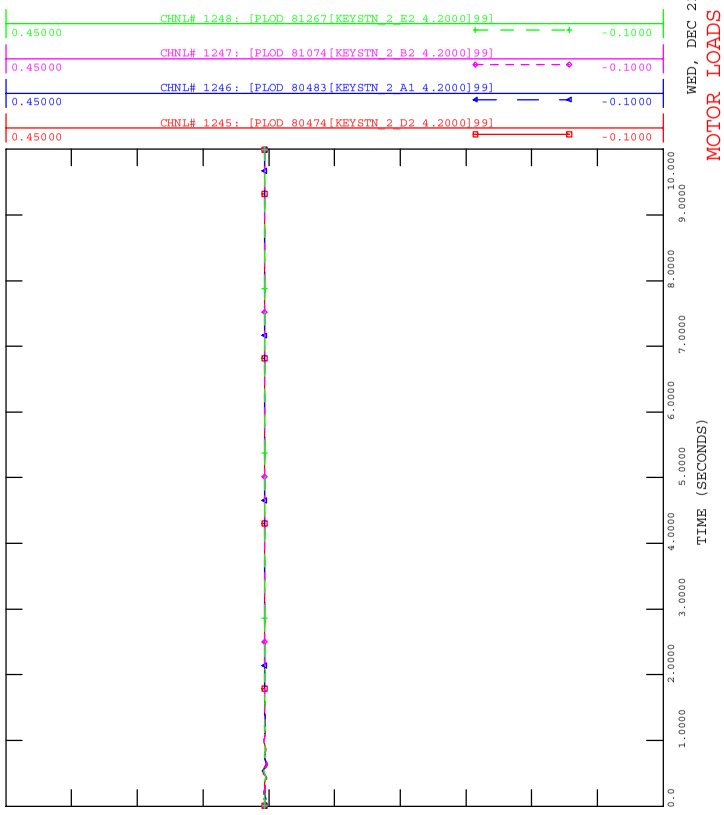


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

MOTOR LOADS GROUP II

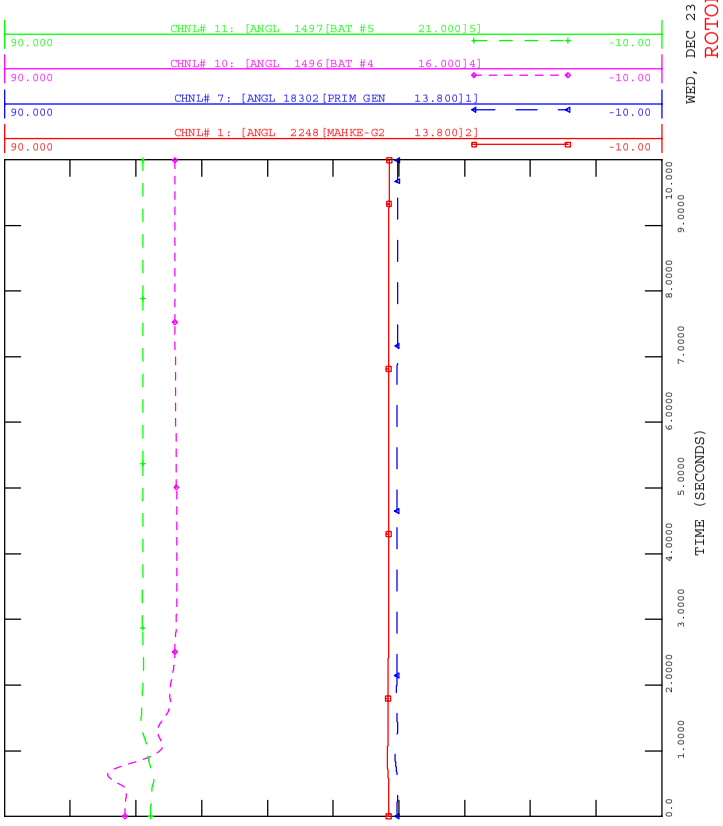


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

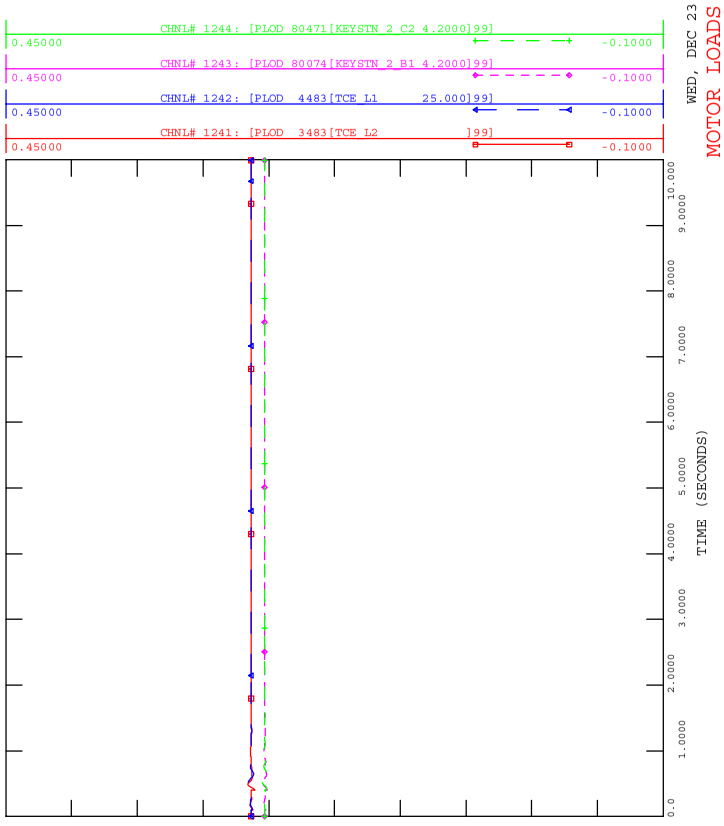


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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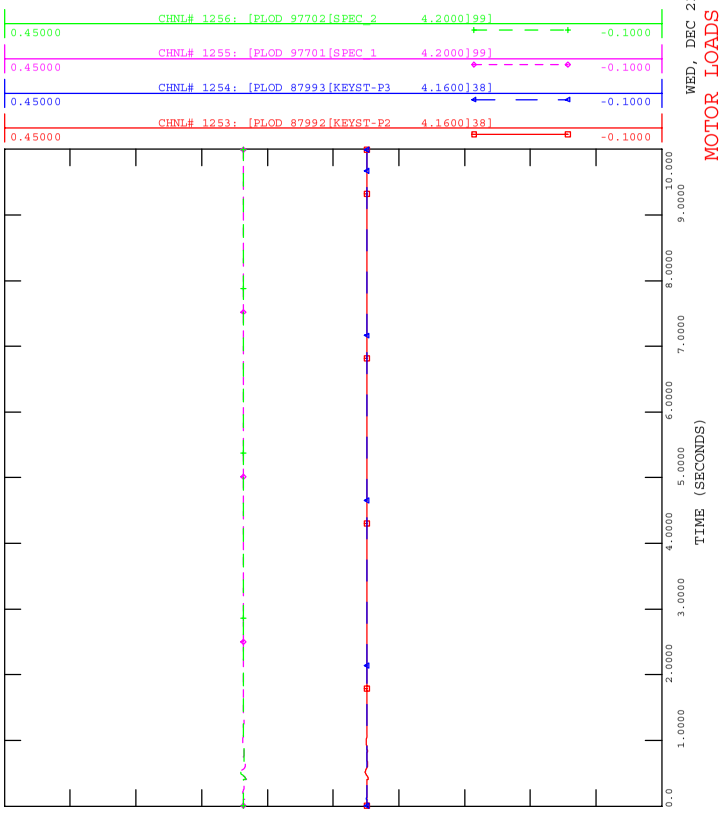
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out

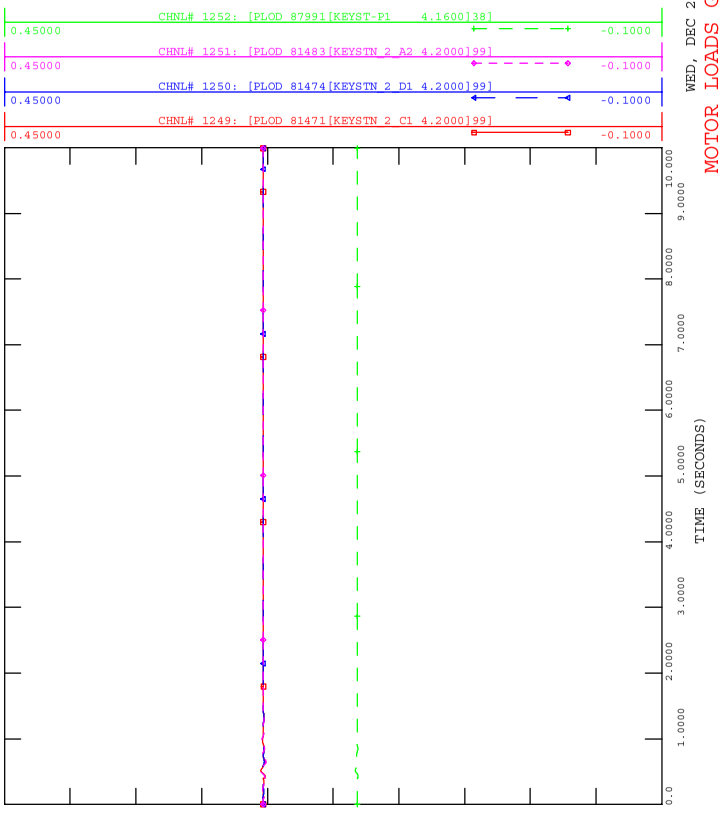


WED, DEC 23 2009 15:55

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-9fault.out



WED, DEC 23 2009 15:55

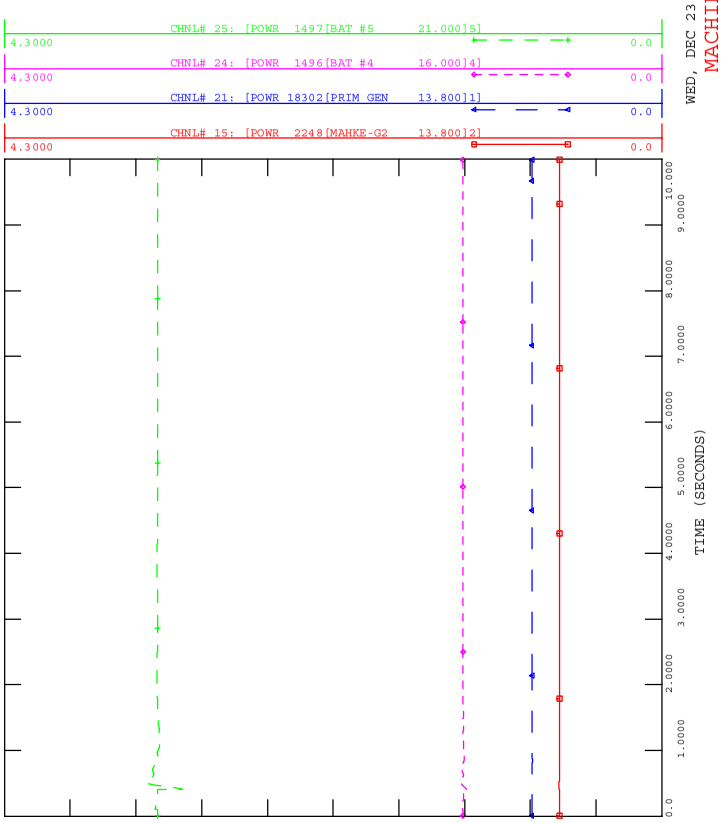
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

MACHINE POWER

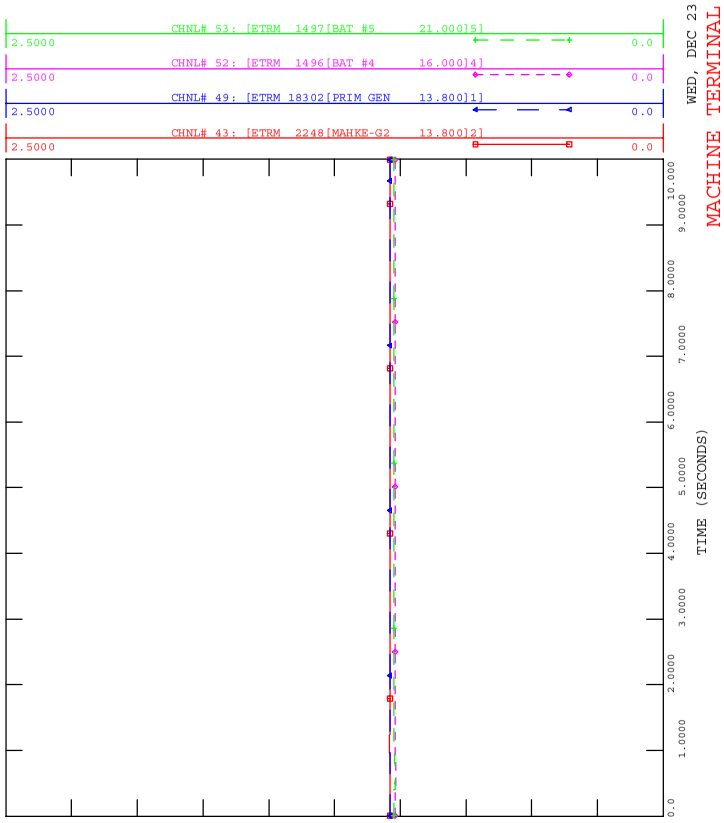


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

MACHINE TERMINAL VOLTAGE

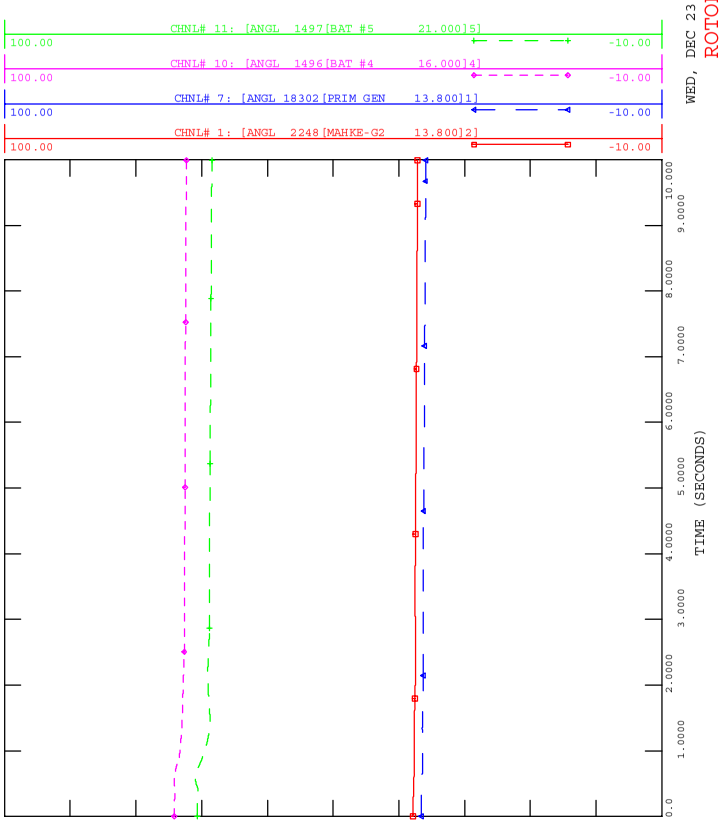


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

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ROTOR ANGLES

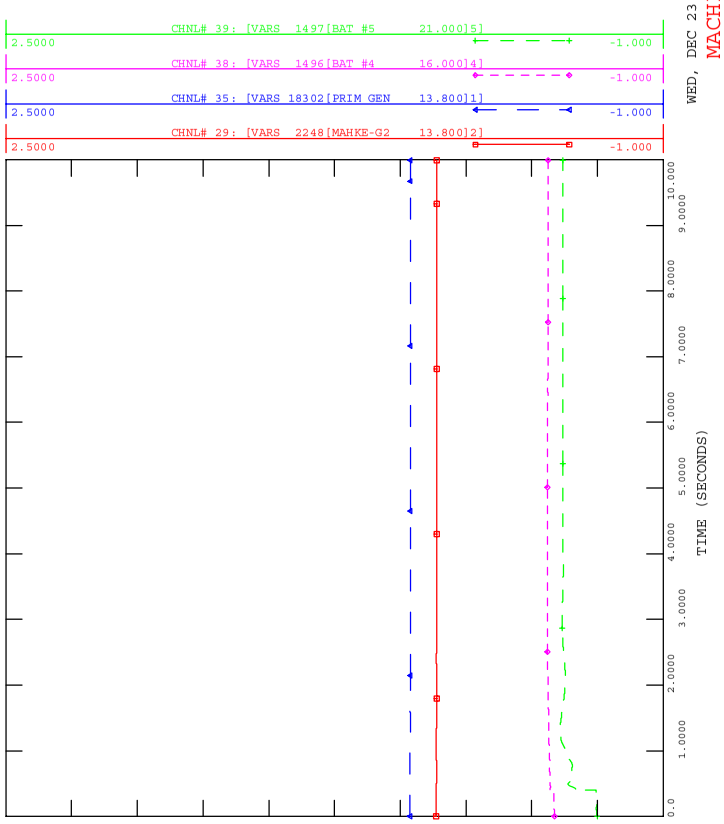


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

MACHINE VARS

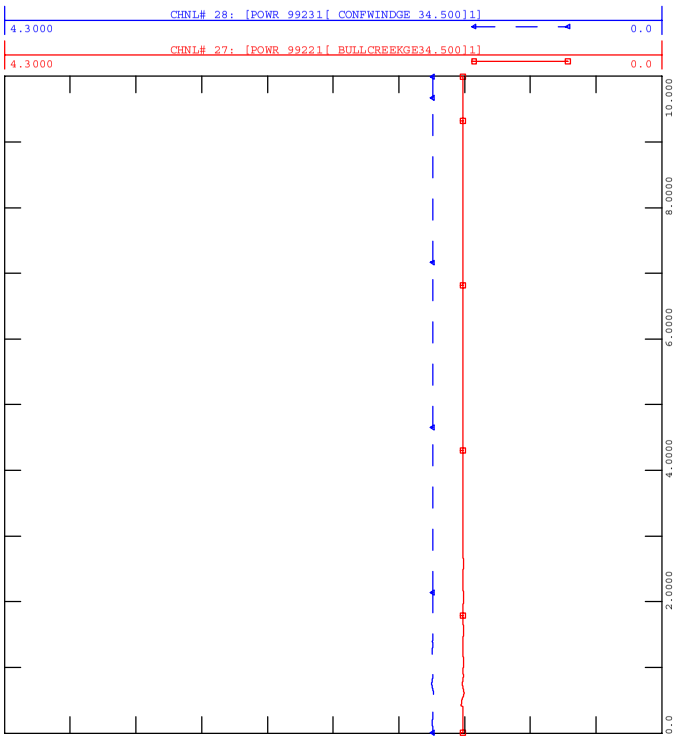


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

WIND MACHINE POWER

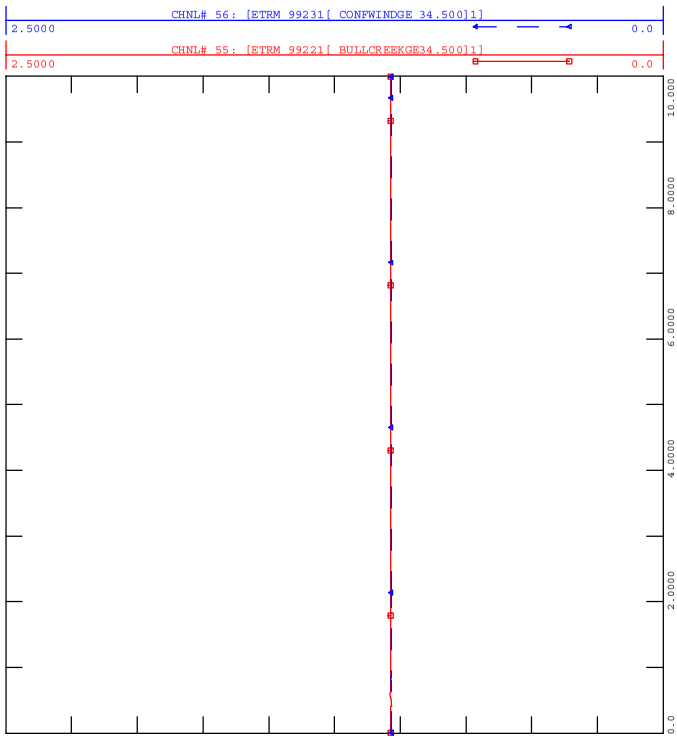


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

WIND MACH. TERMINAL VOLTS

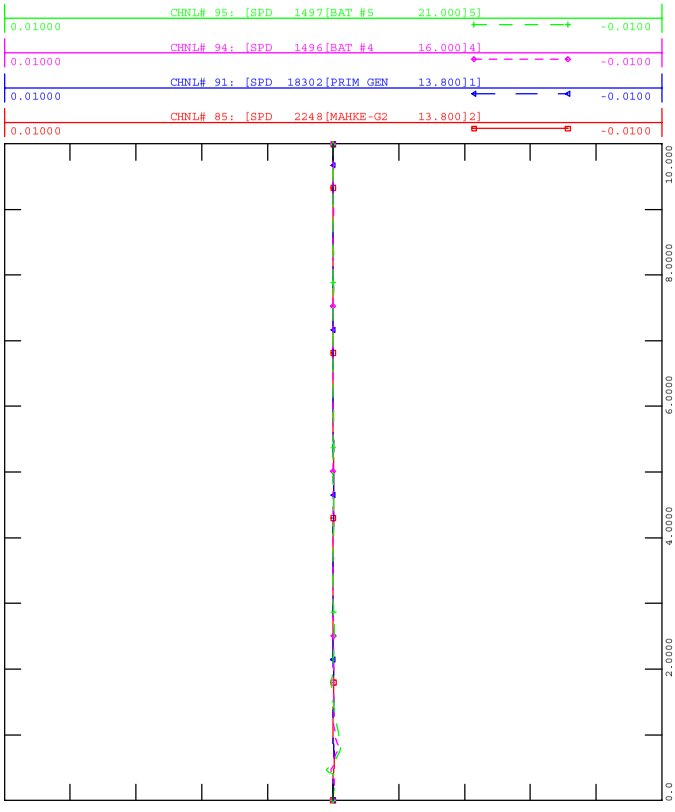


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

MACHINE SPEED

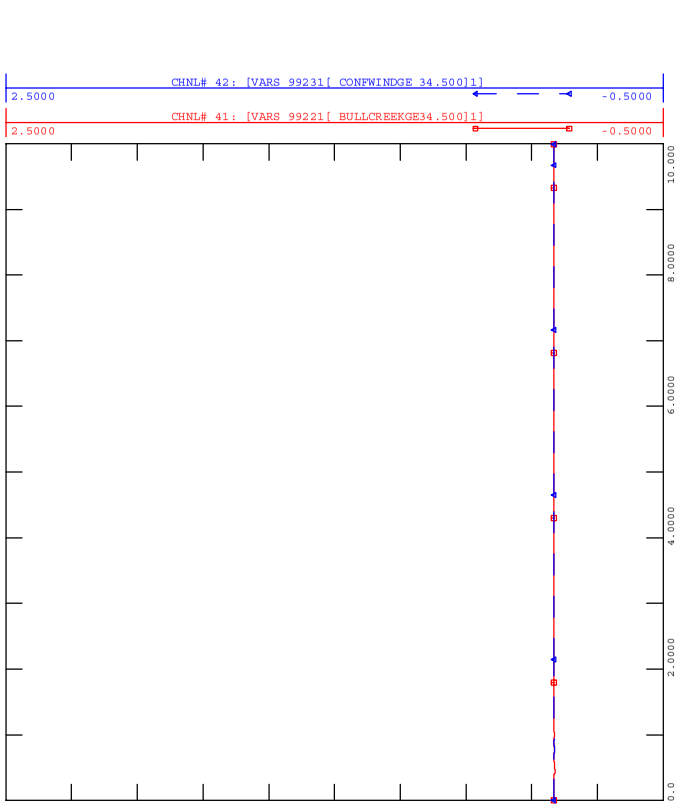


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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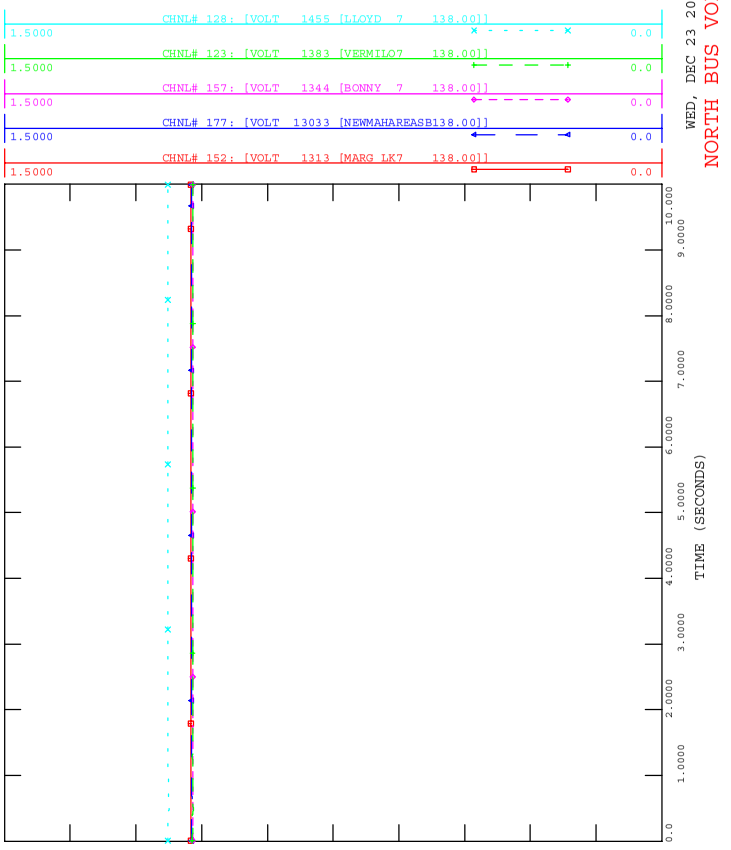
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

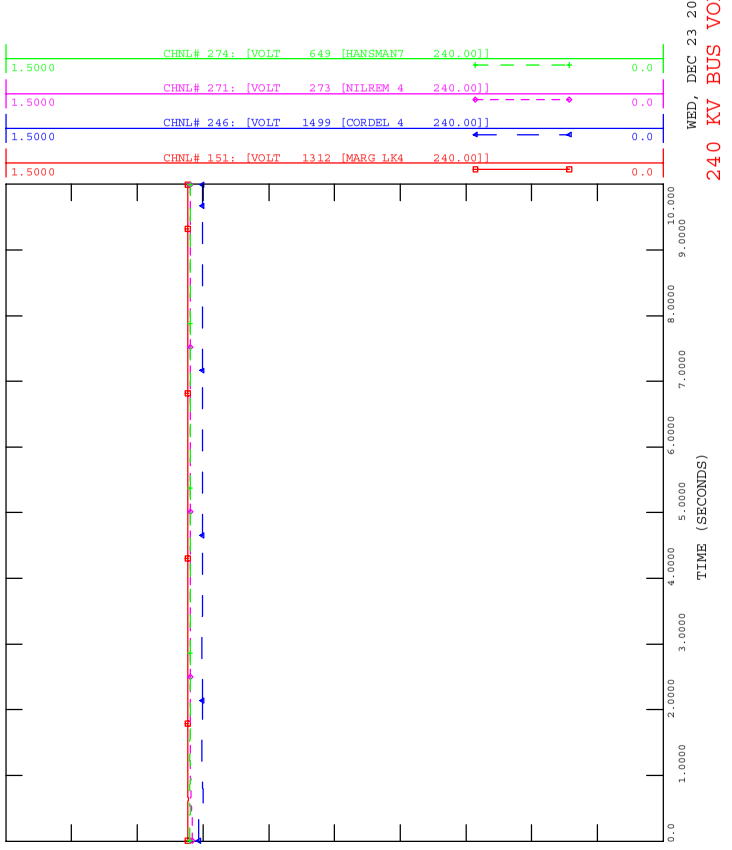


WED, DEC 23 2009 15:55

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

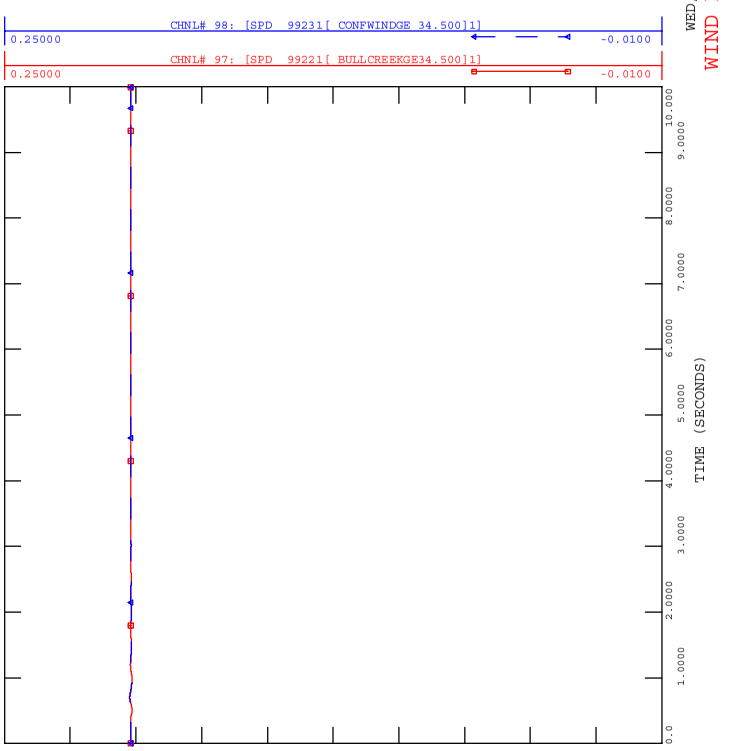


WED, DEC 23 2009 15:55

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

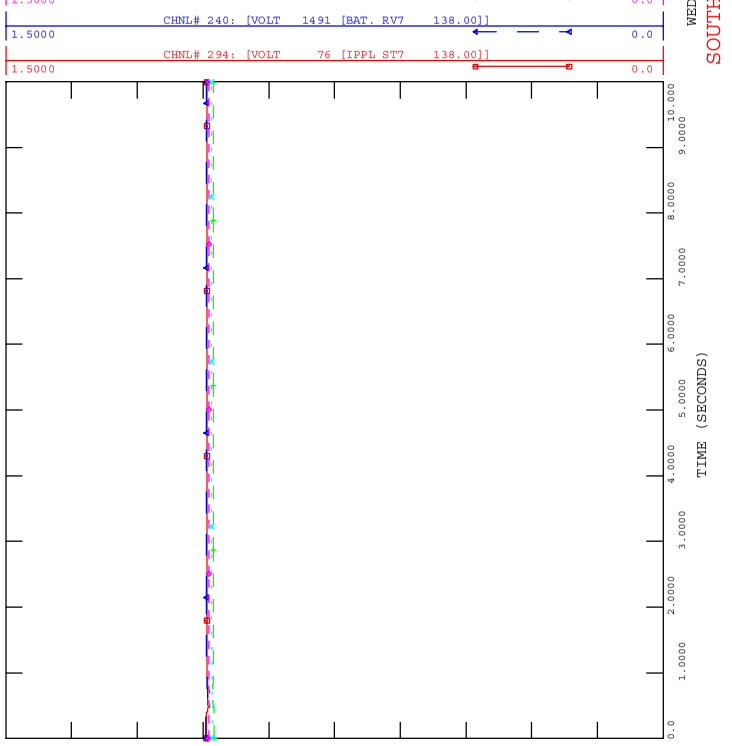


WED, DEC 23 2009 15:55

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

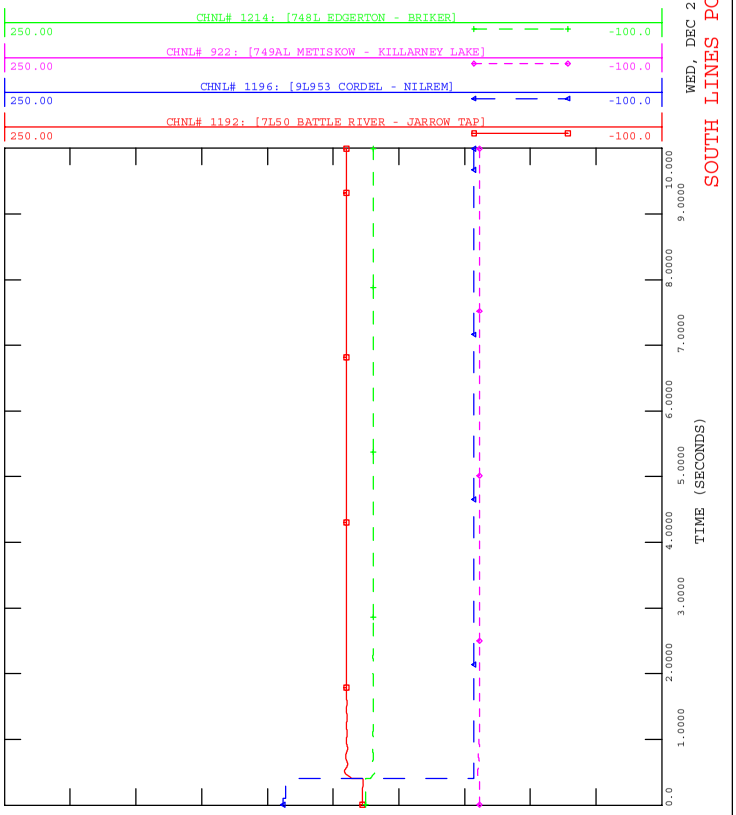


WED, DEC 23 2009 15:55

SOUTH BUS VOLTAGES

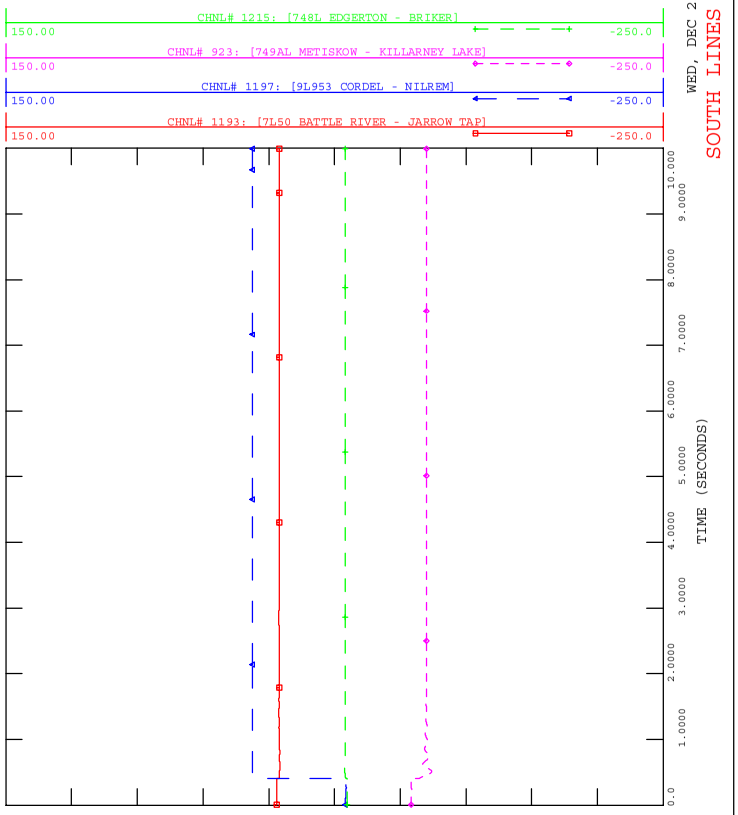
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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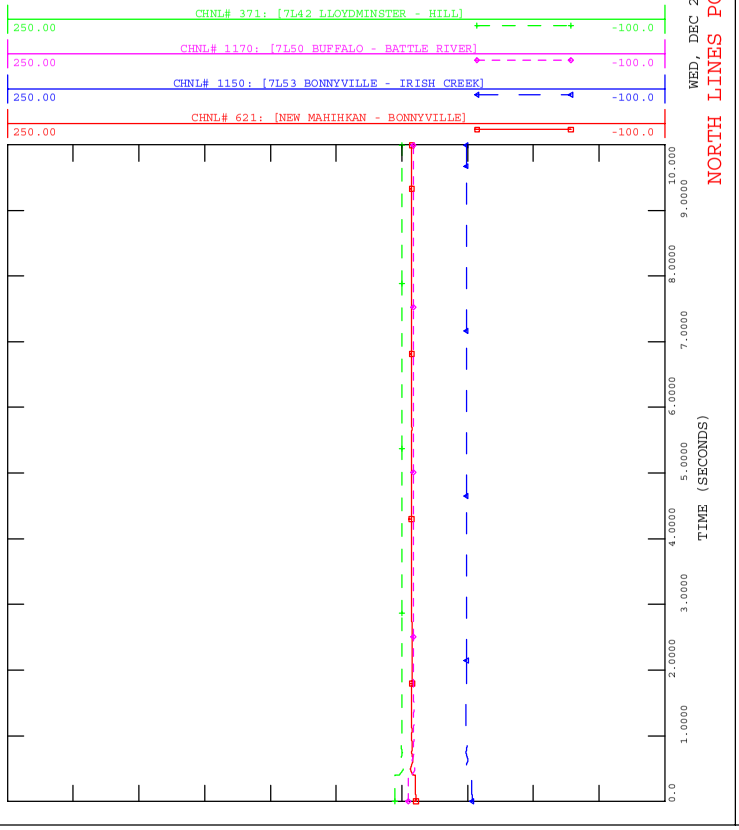
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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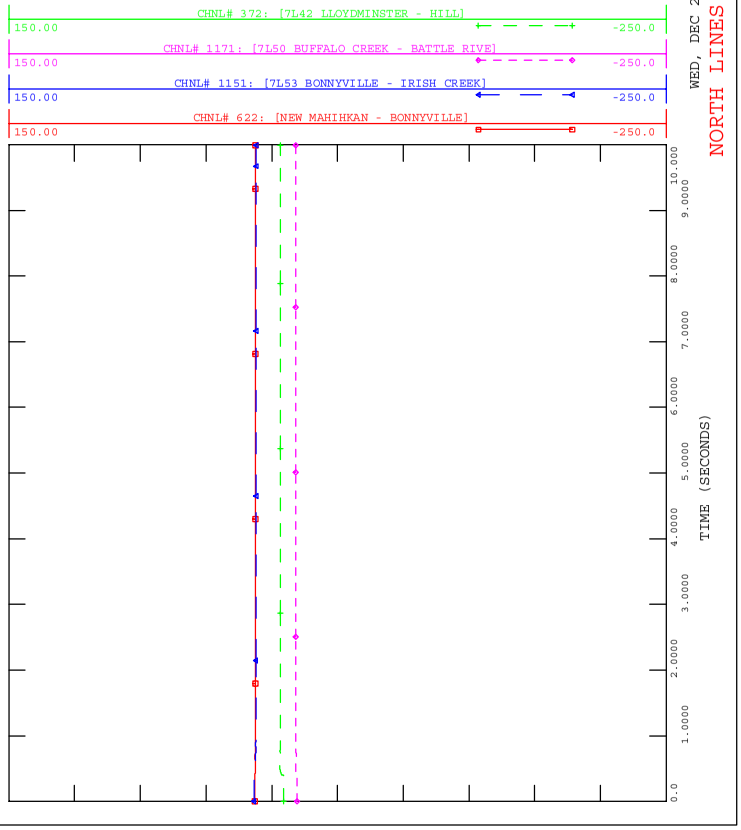
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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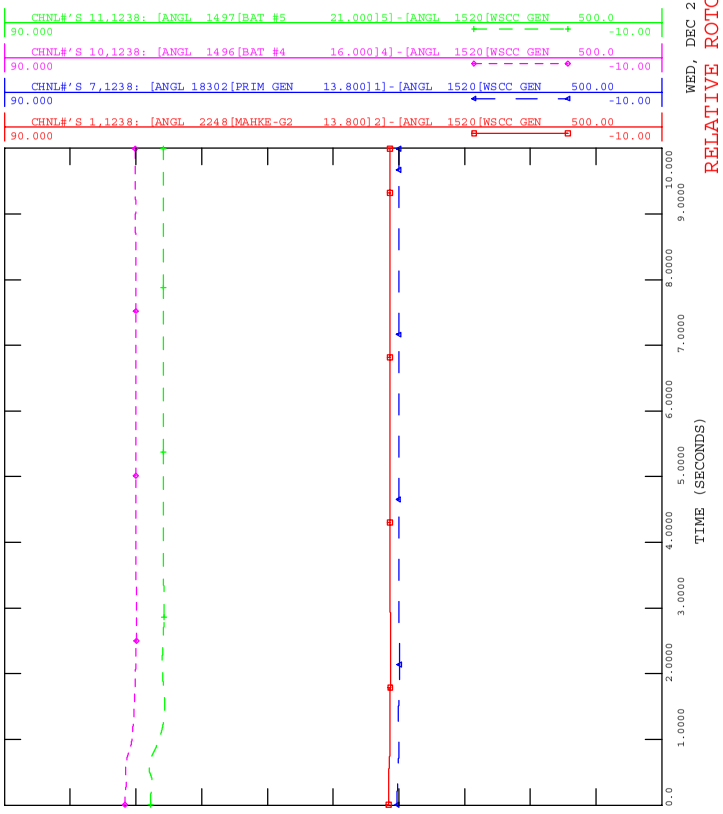


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

RELATIVE ROTOR ANGLES

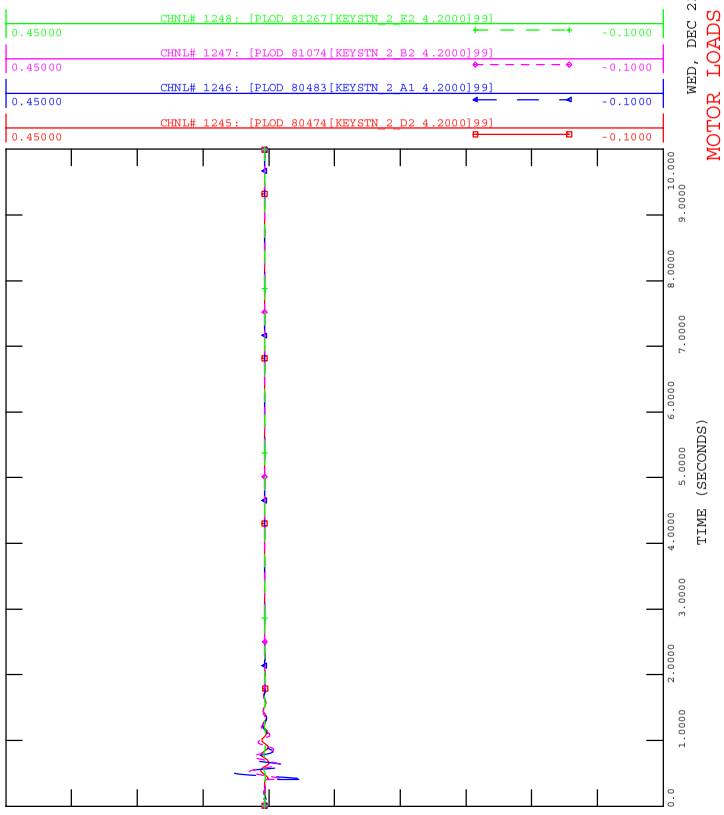


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

MOTOR LOADS GROUP II

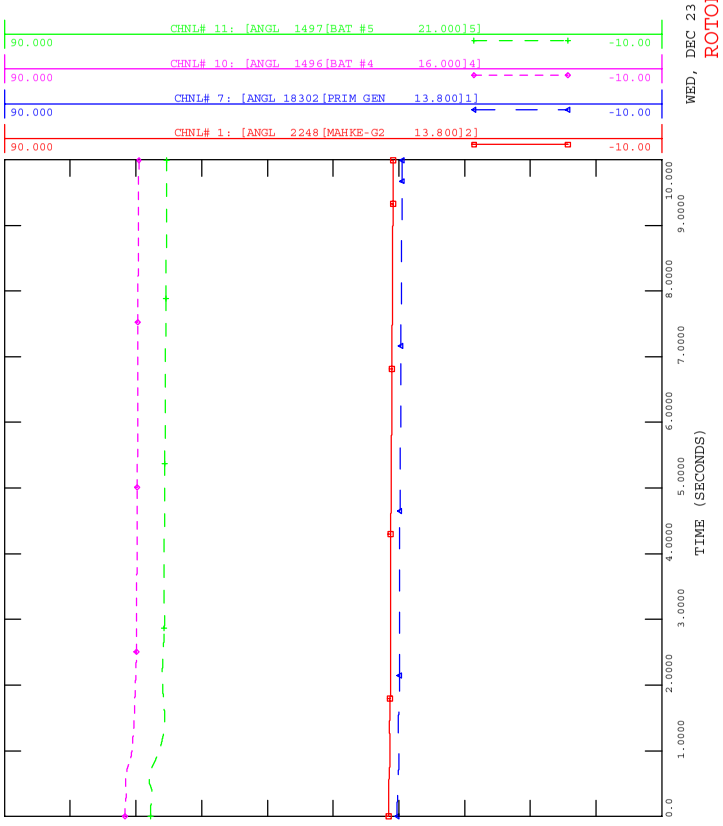


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

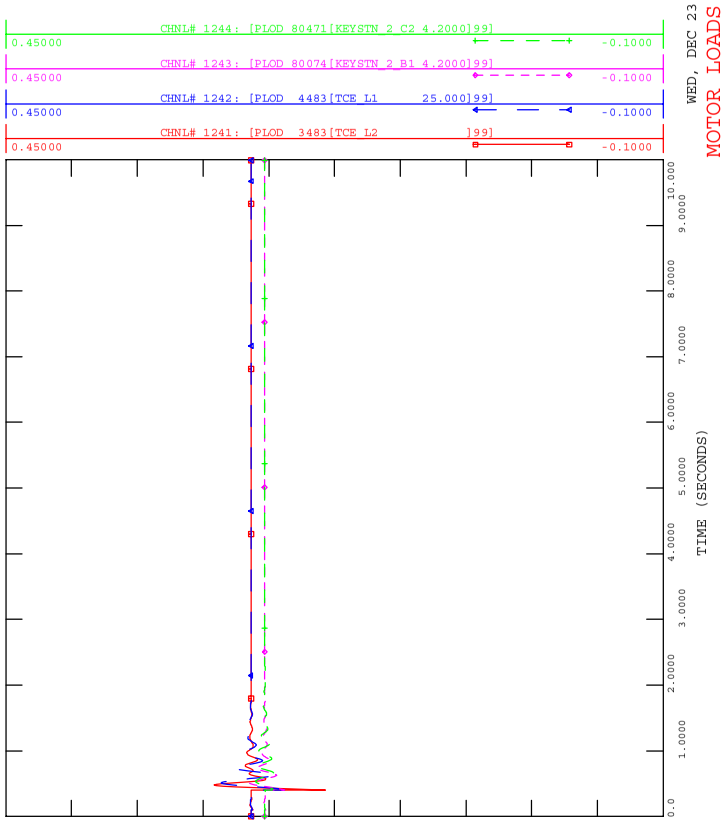


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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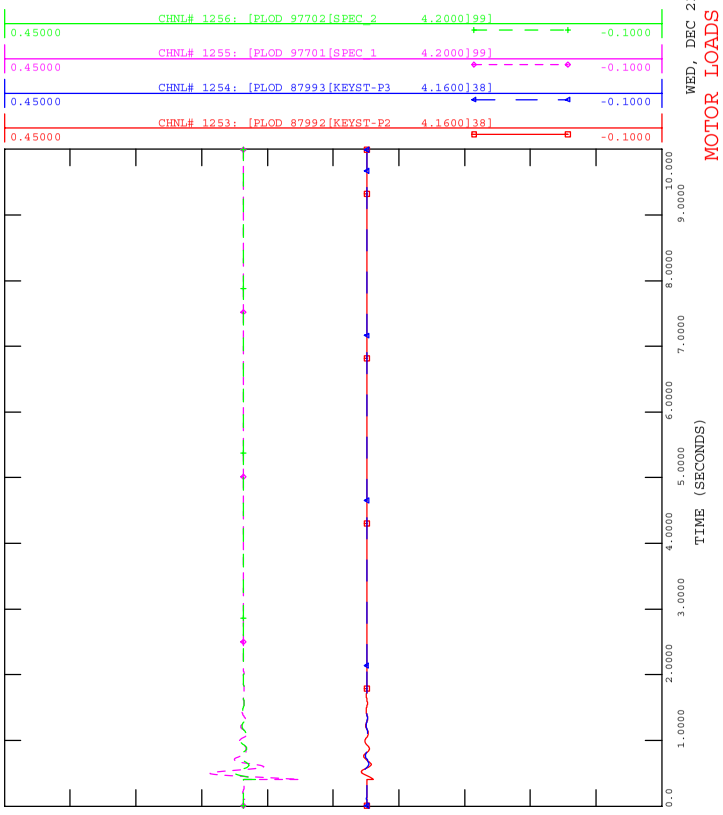
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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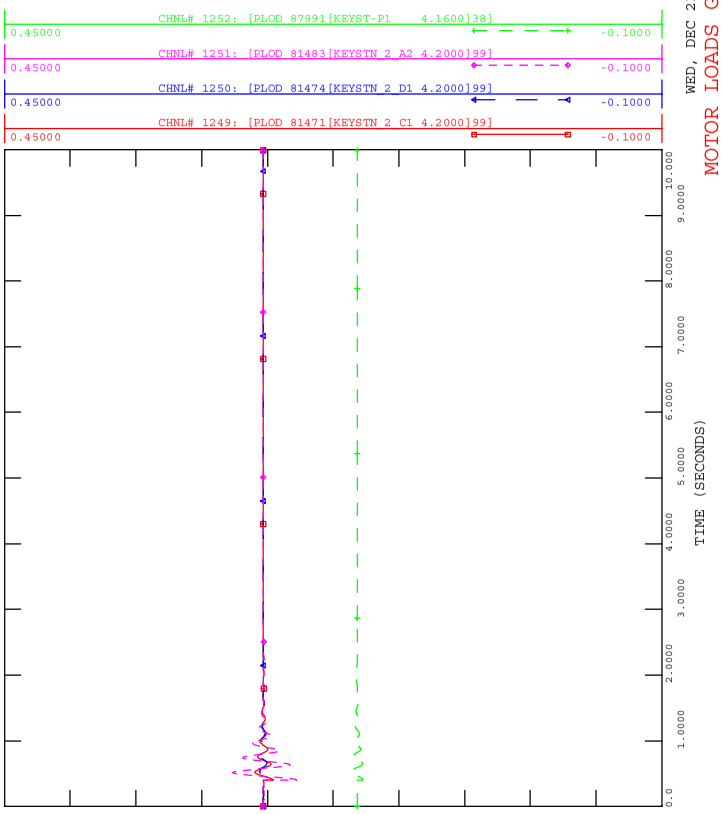


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-10fault.out



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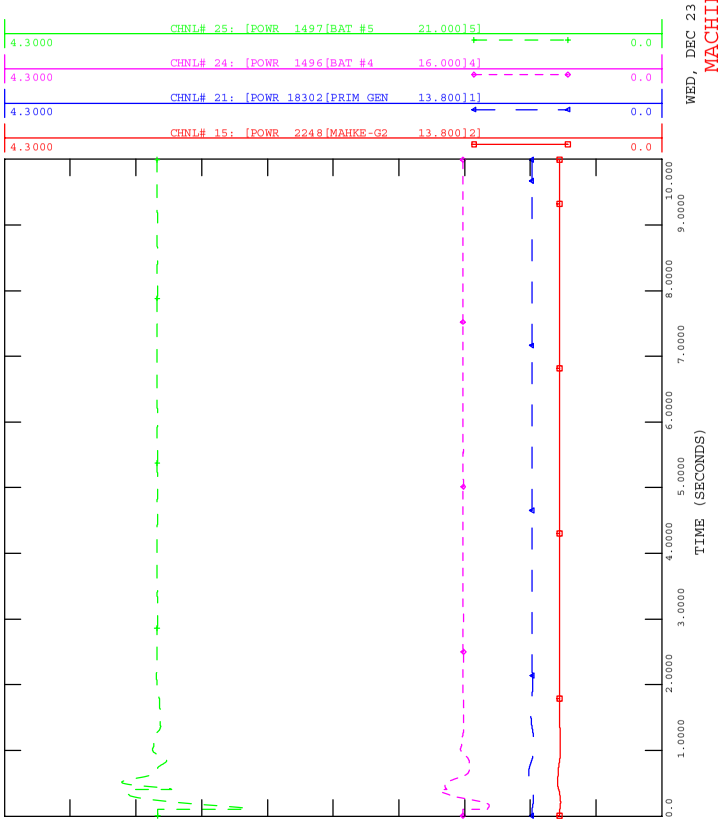
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

MACHINE POWER

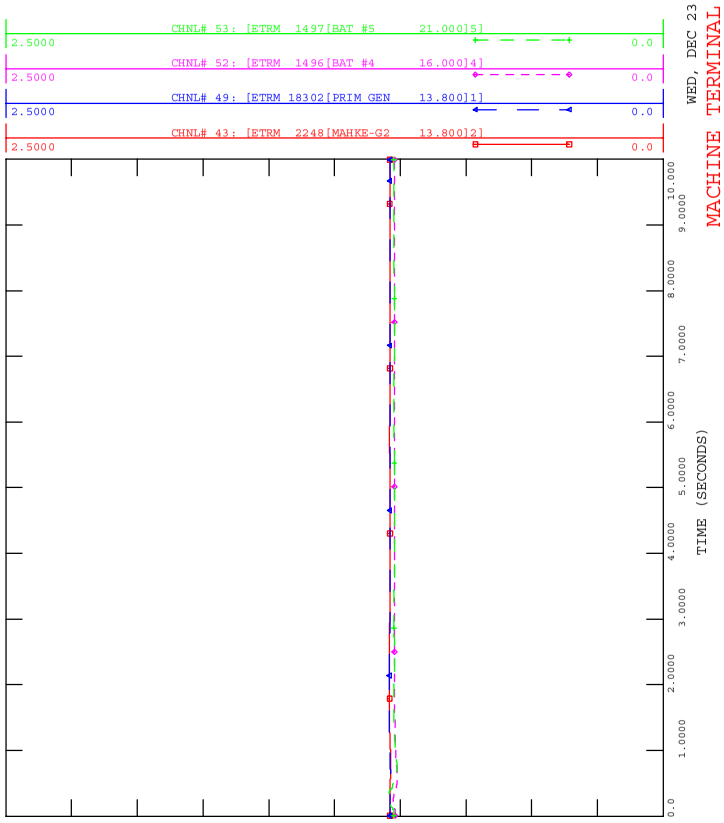


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

MACHINE TERMINAL VOLTAGE

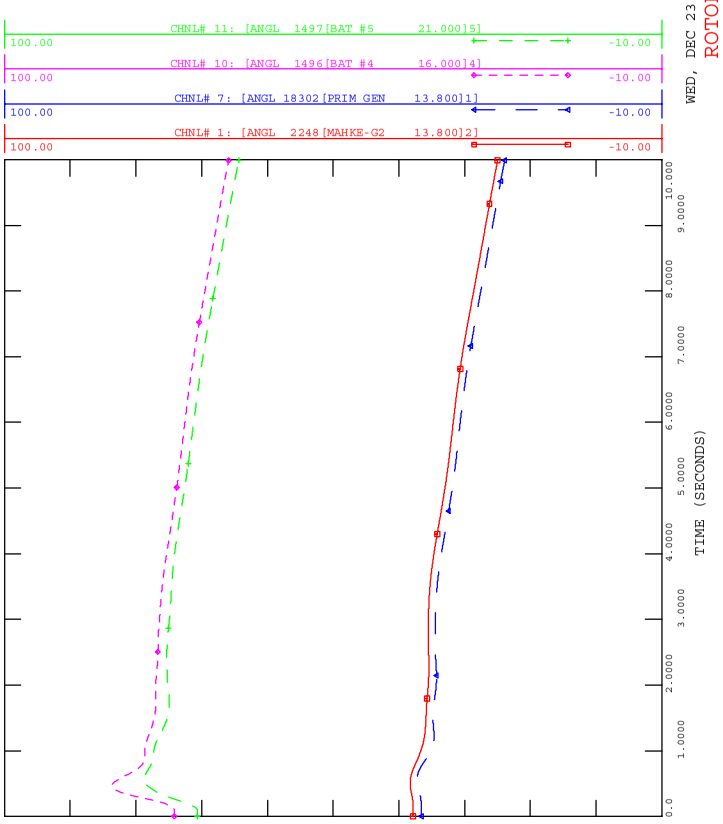


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

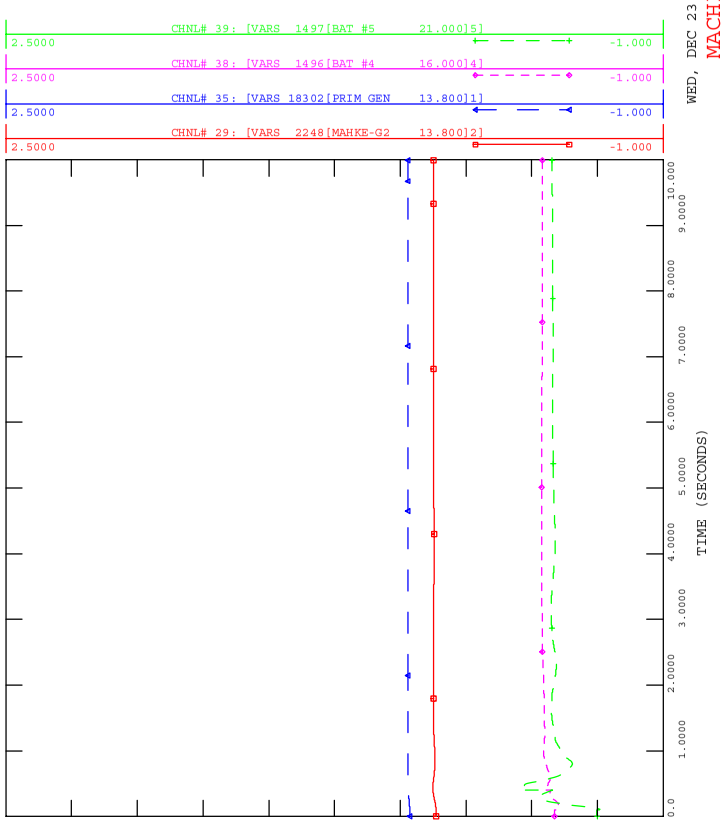


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

MACHINE VARS

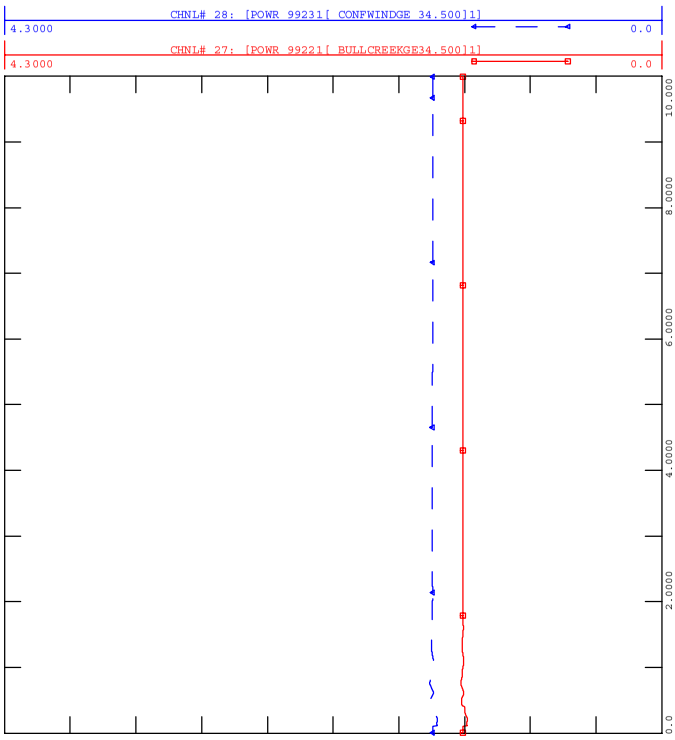


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

WIND MACHINE POWER

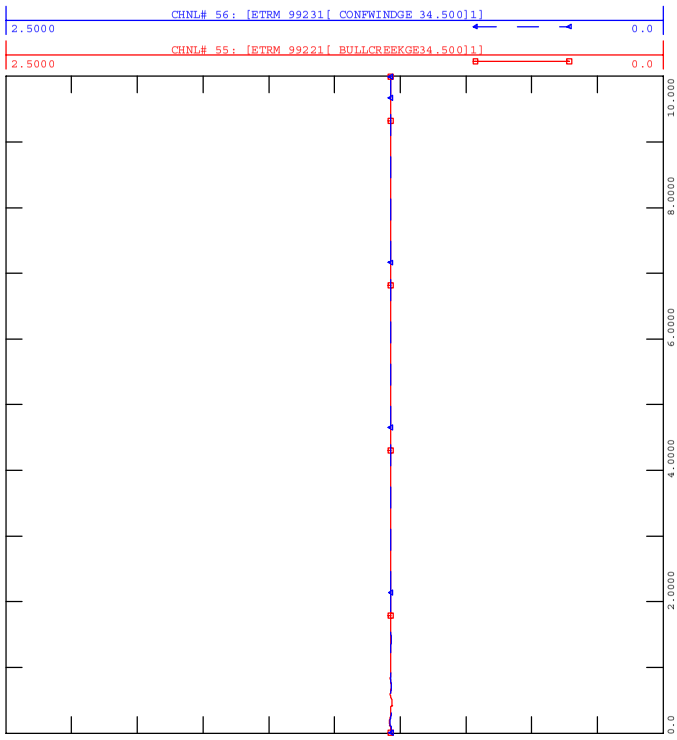


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

WIND MACH. TERMINAL VOLTS

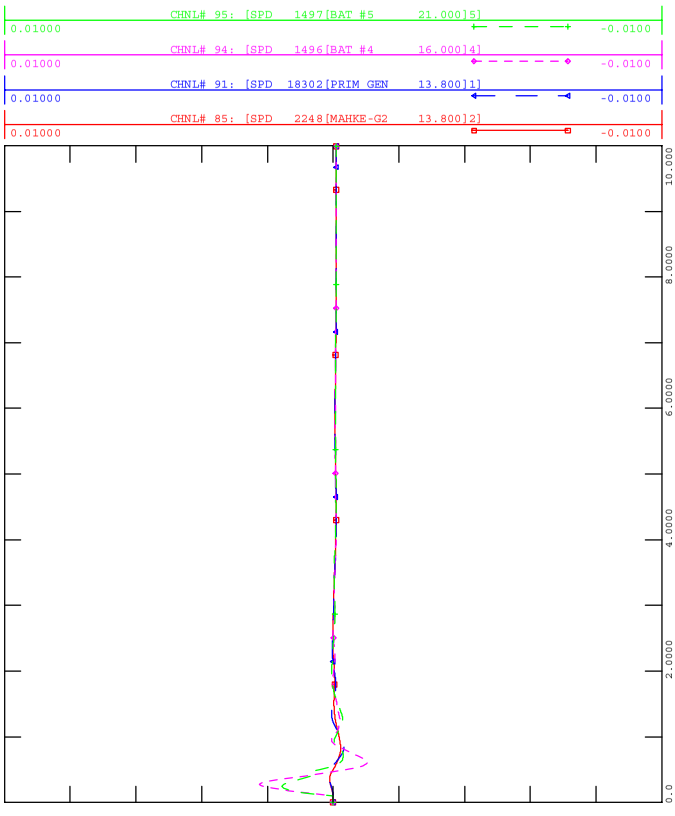


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

MACHINE SPEED

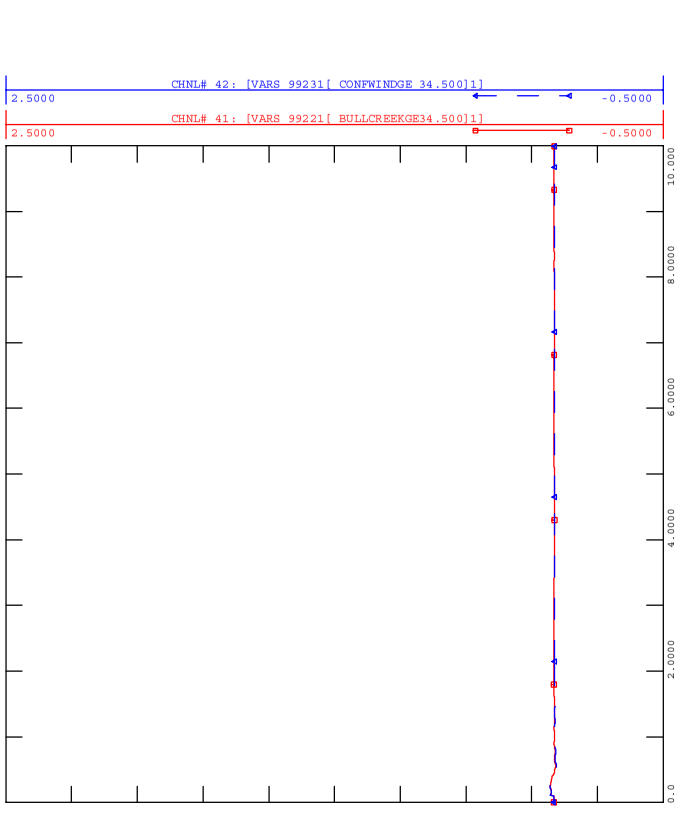


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

WIND MACHINE VARS

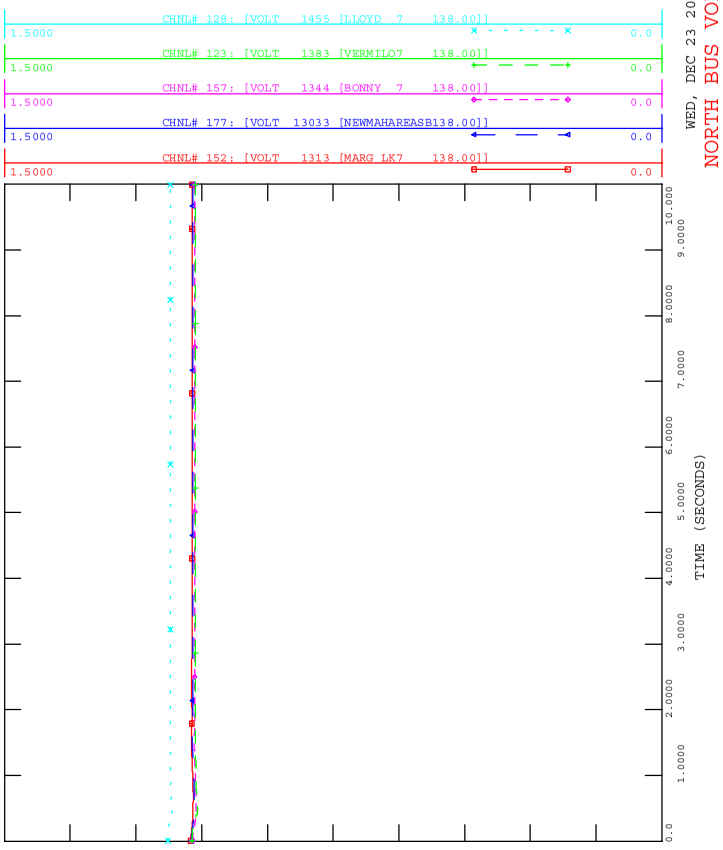


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

NORTH BUS VOLTAGES

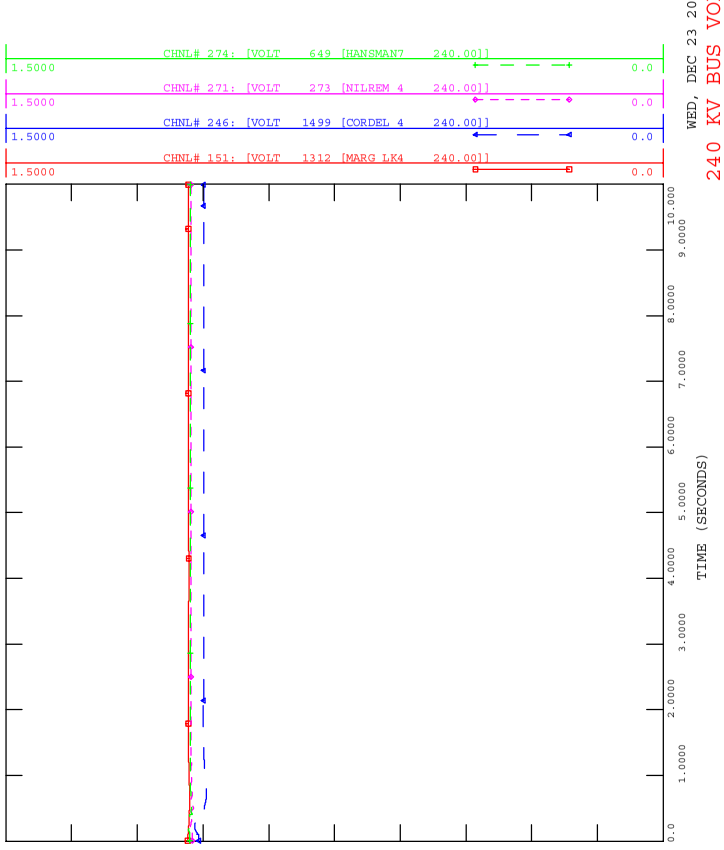


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

240 KV BUS VOLTAGES

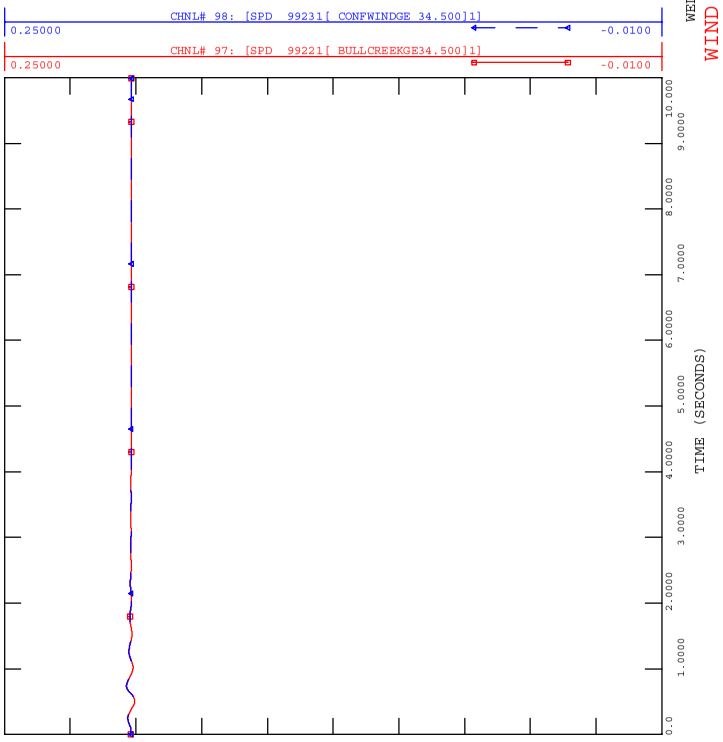


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

WIND MACHINE SPEED

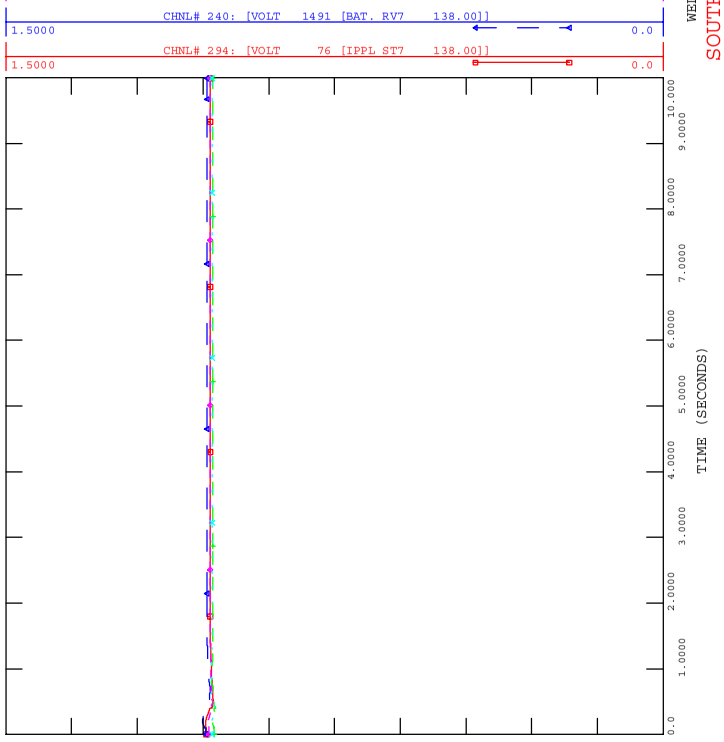


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

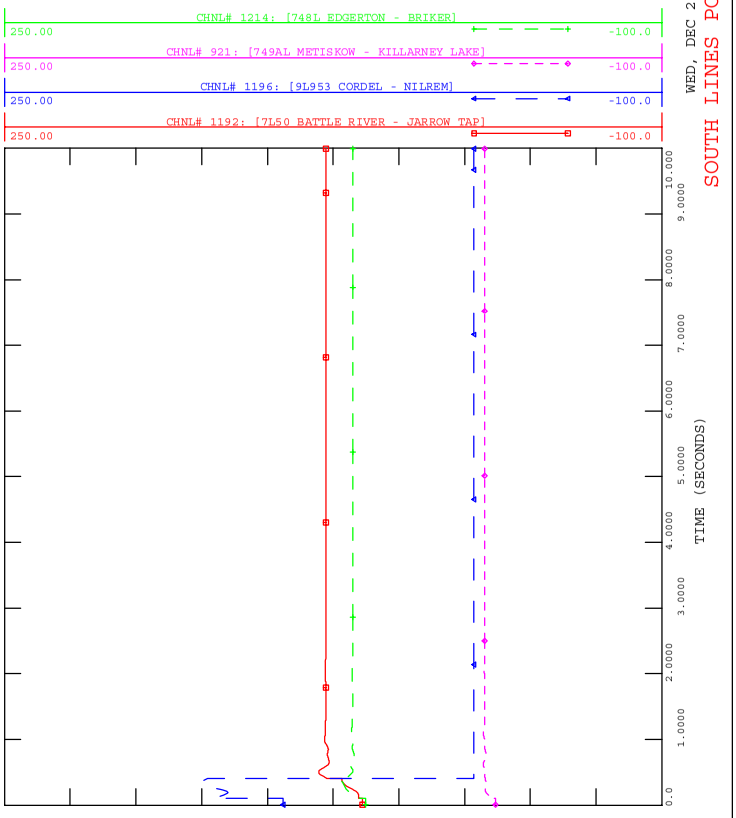
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SOUTH BUS VOLTAGES



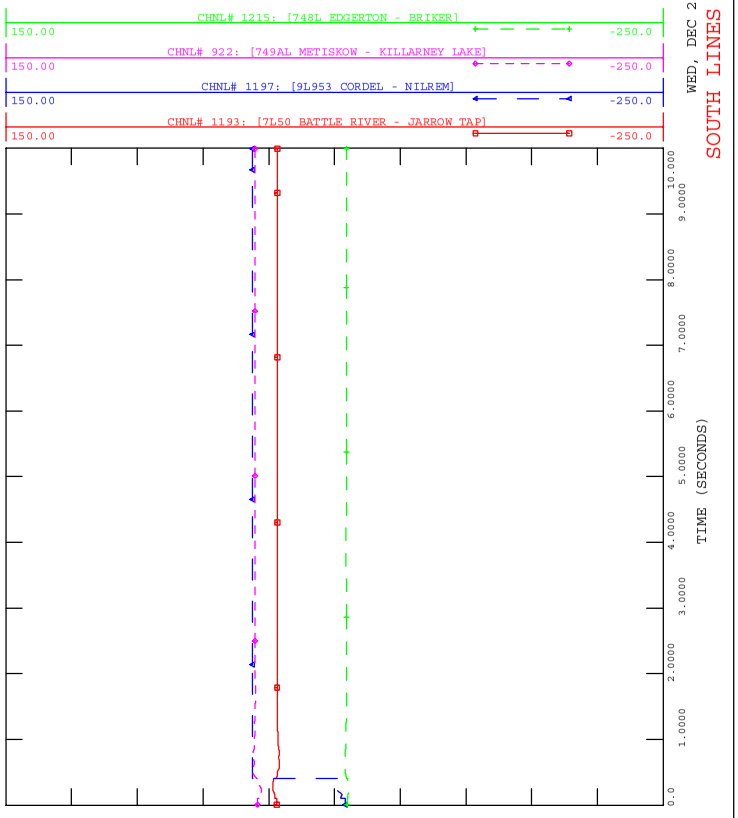
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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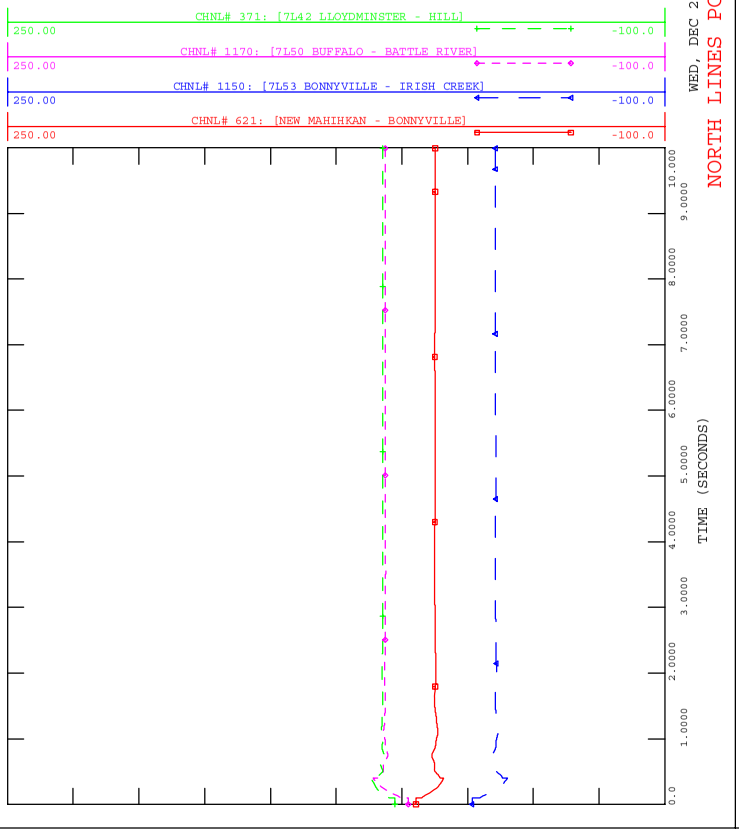
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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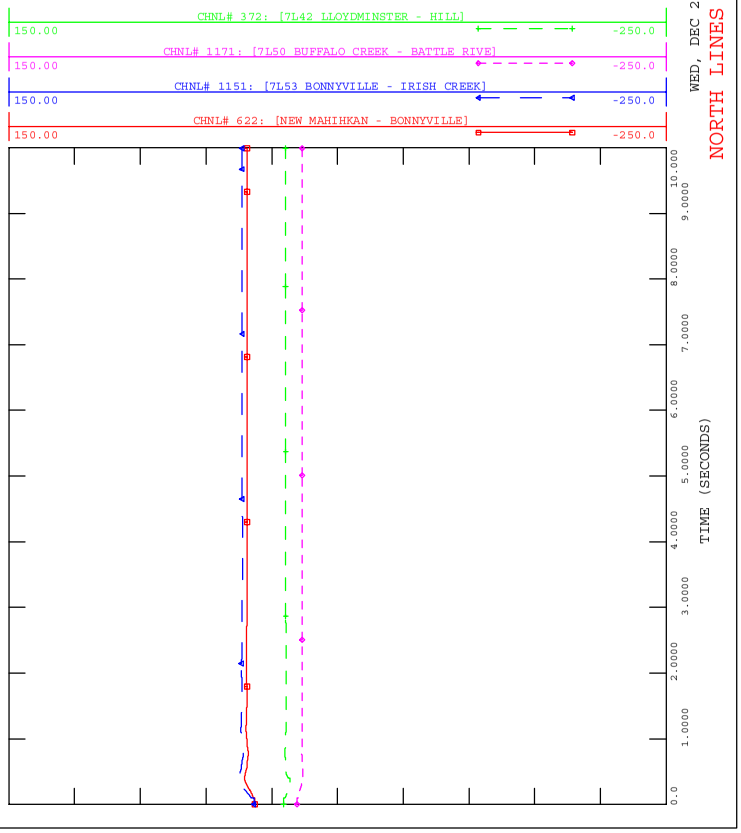
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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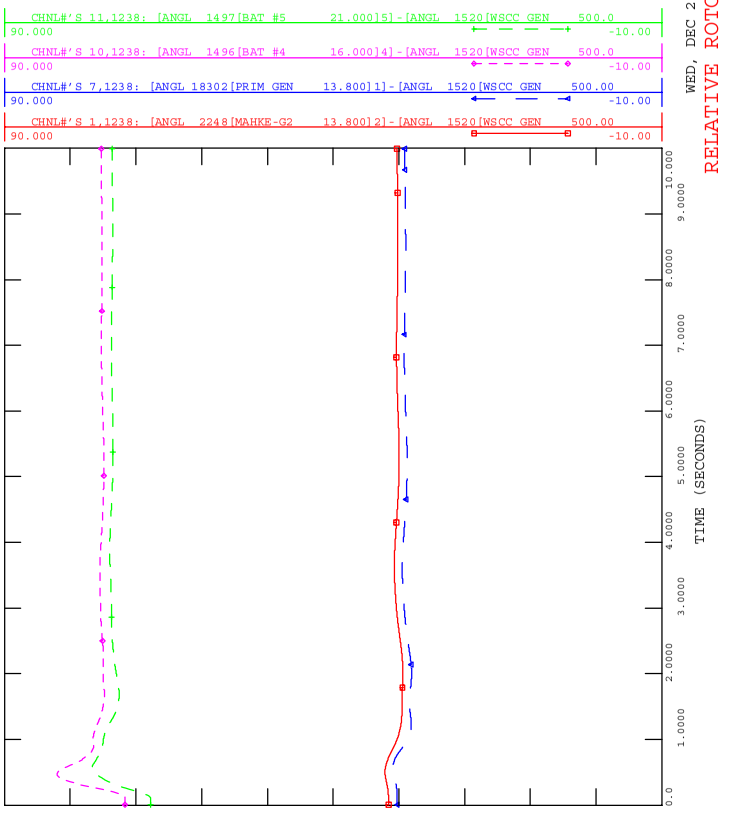


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

RELATIVE ROTOR ANGLES

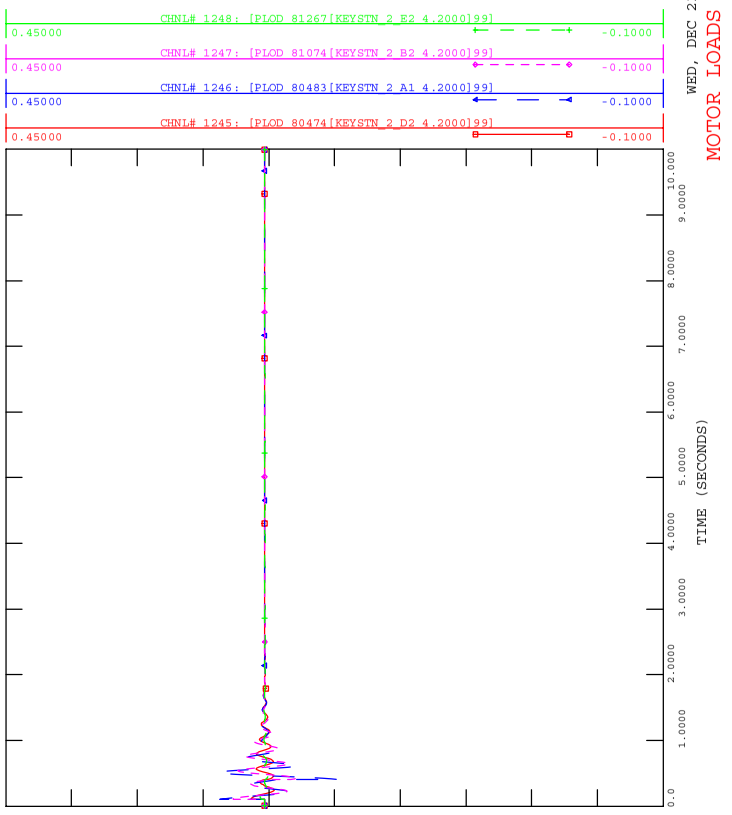


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

MOTOR LOADS GROUP II

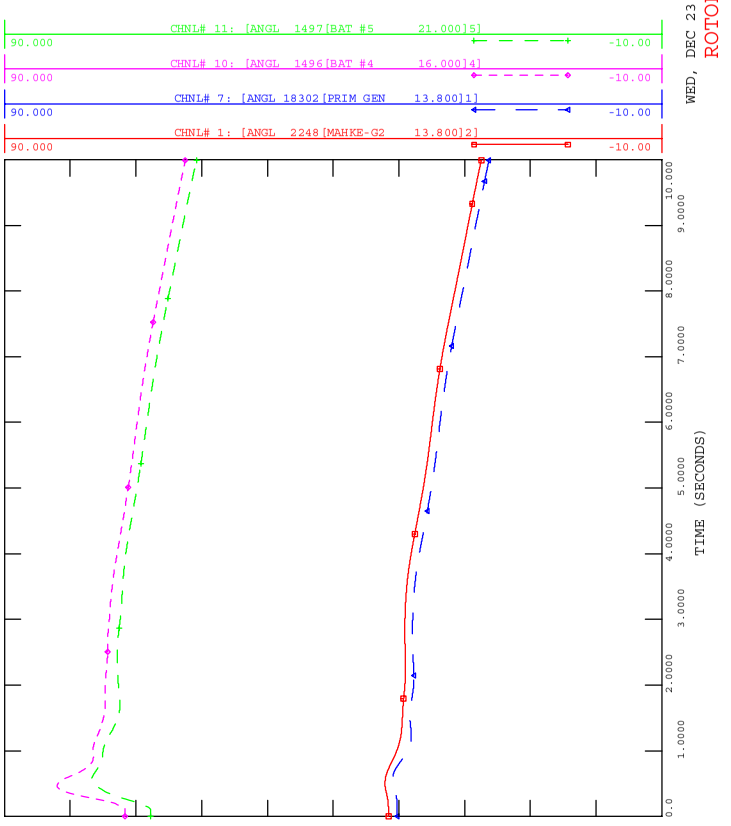


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

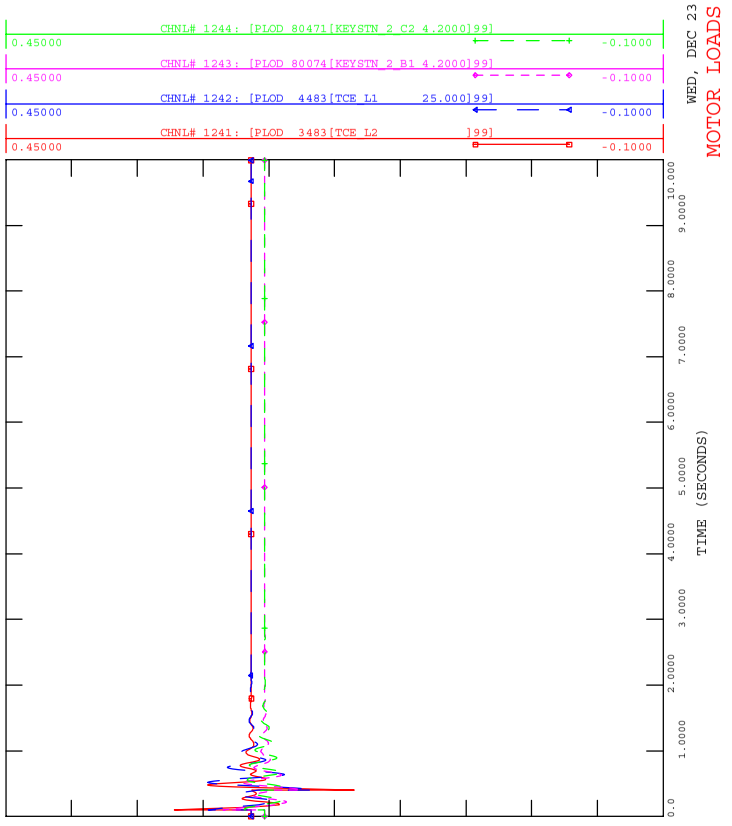


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

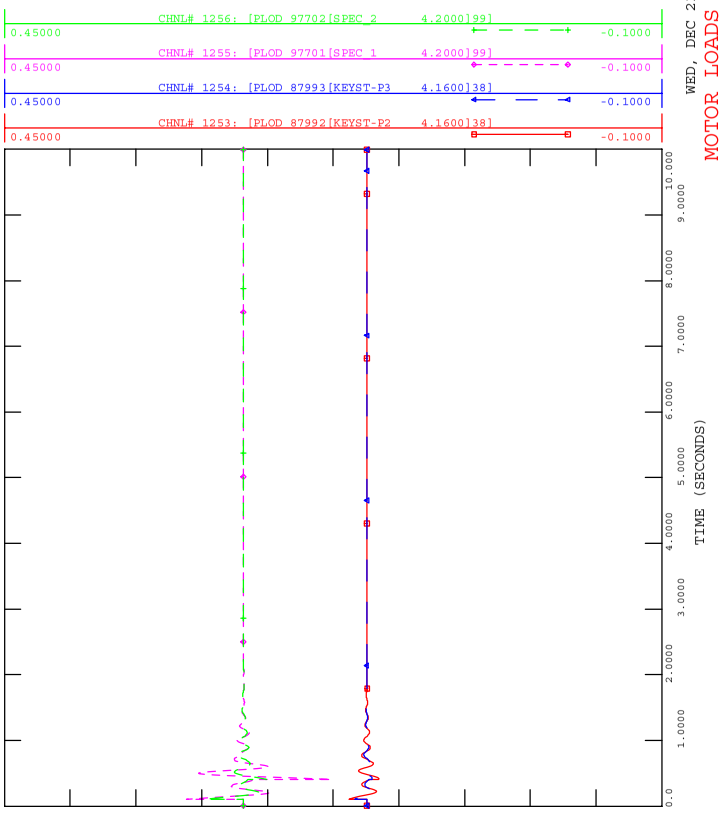
WED, DEC 23 2009 15:55

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out

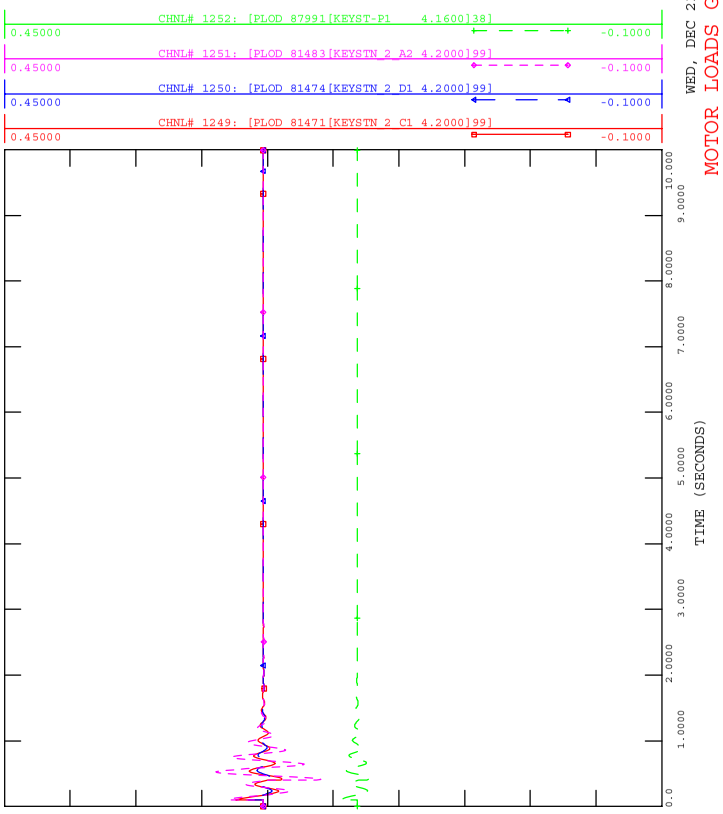


WED, DEC 23 2009 15:55

MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-11fault.out



WED, DEC 23 2009 15:55

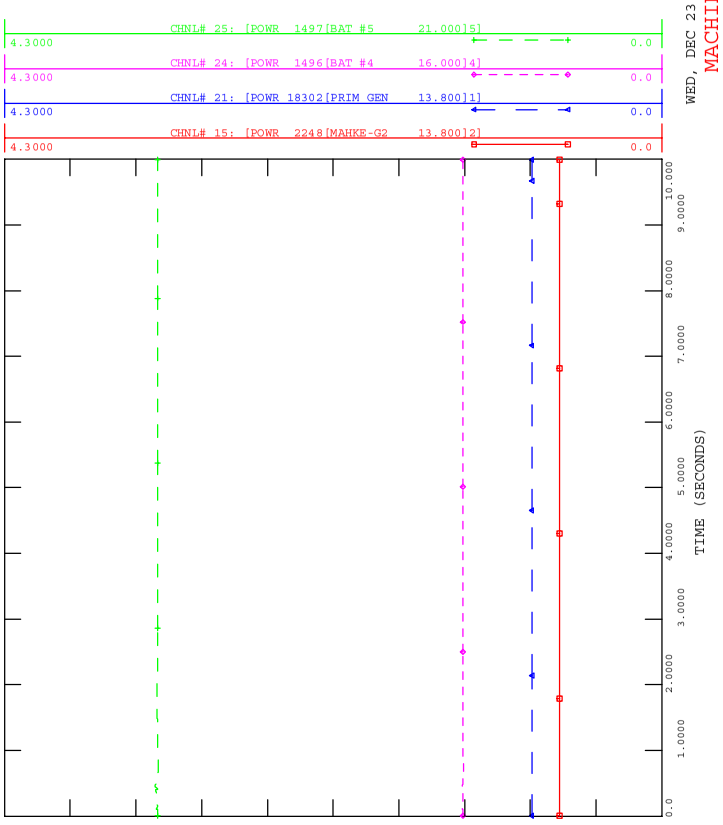
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

MACHINE POWER

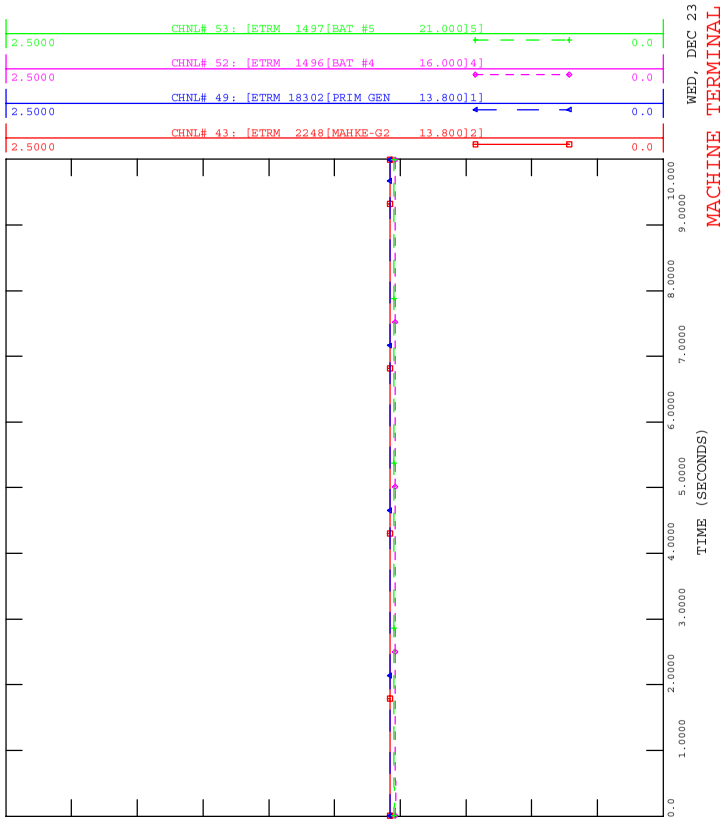


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

MACHINE TERMINAL VOLTAGE

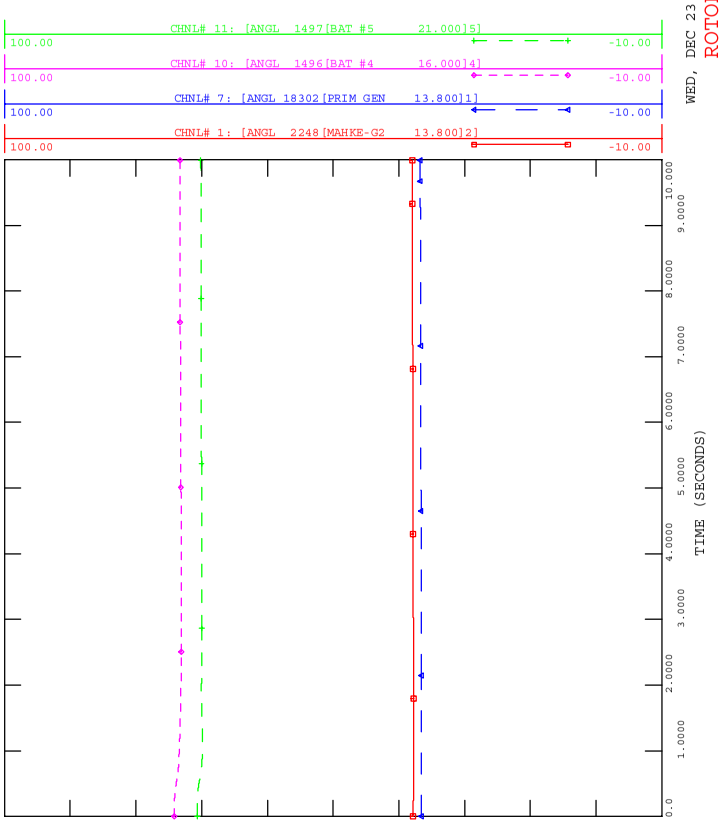


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

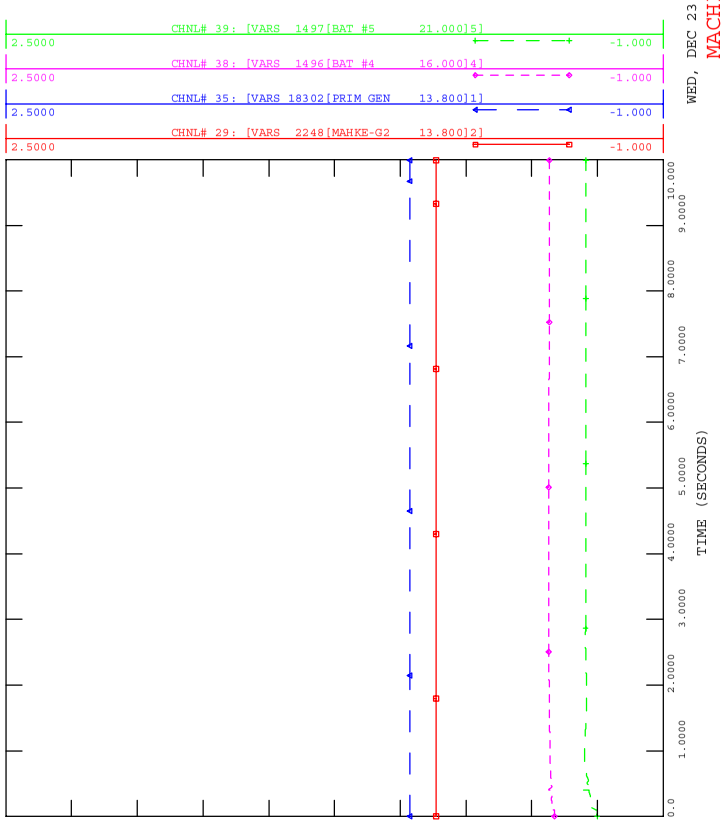


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

MACHINE VARS

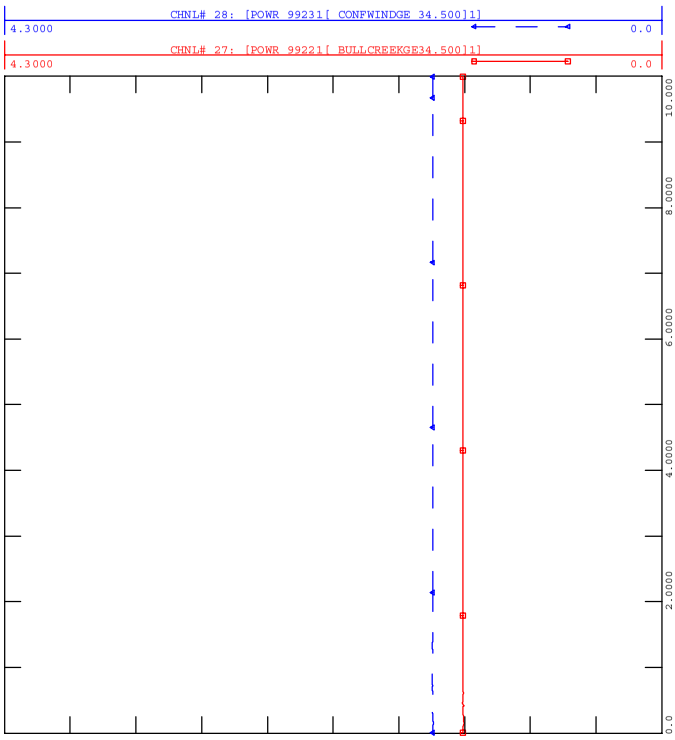


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

WIND MACHINE POWER

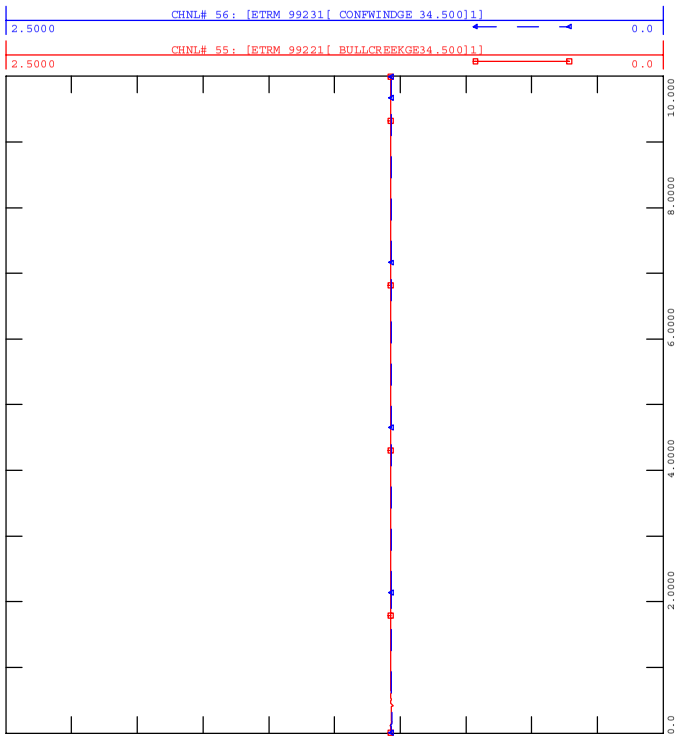


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

WIND MACH. TERMINAL VOLTS

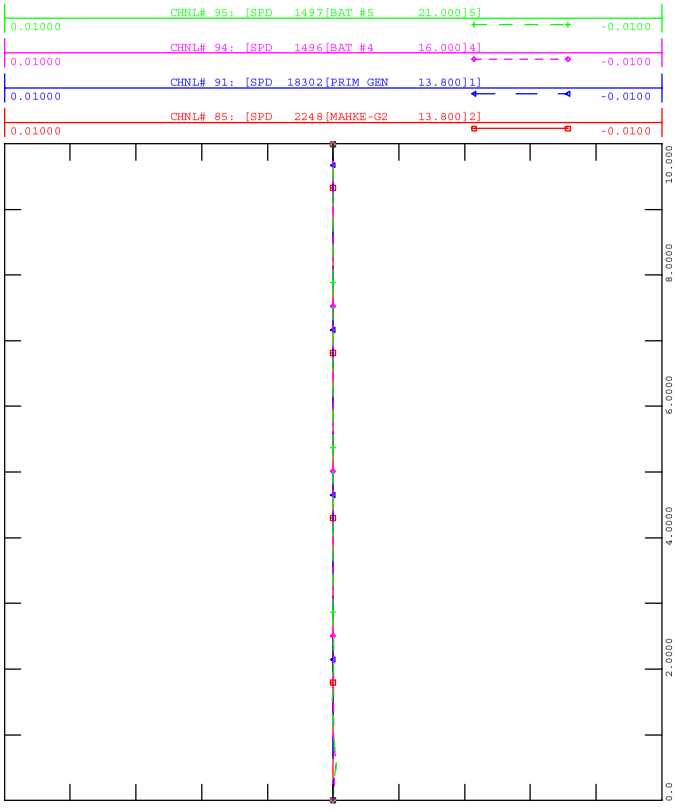


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:55

MACHINE SPEED

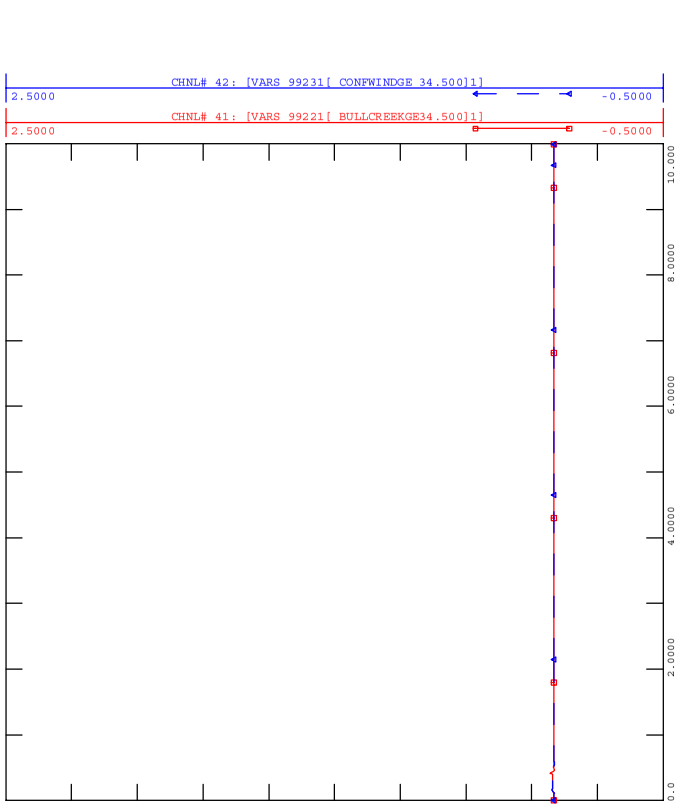


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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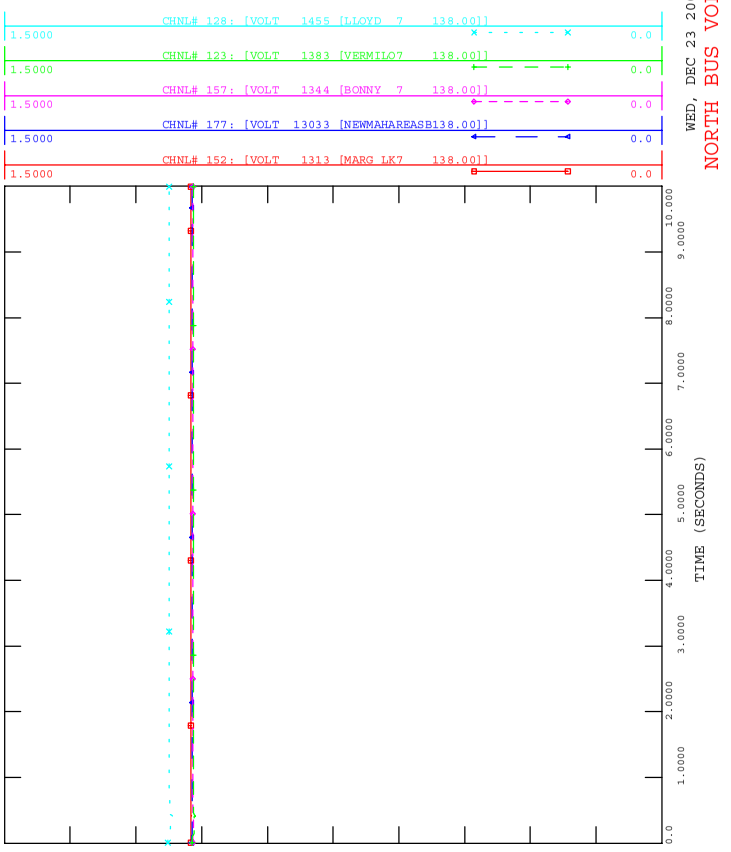
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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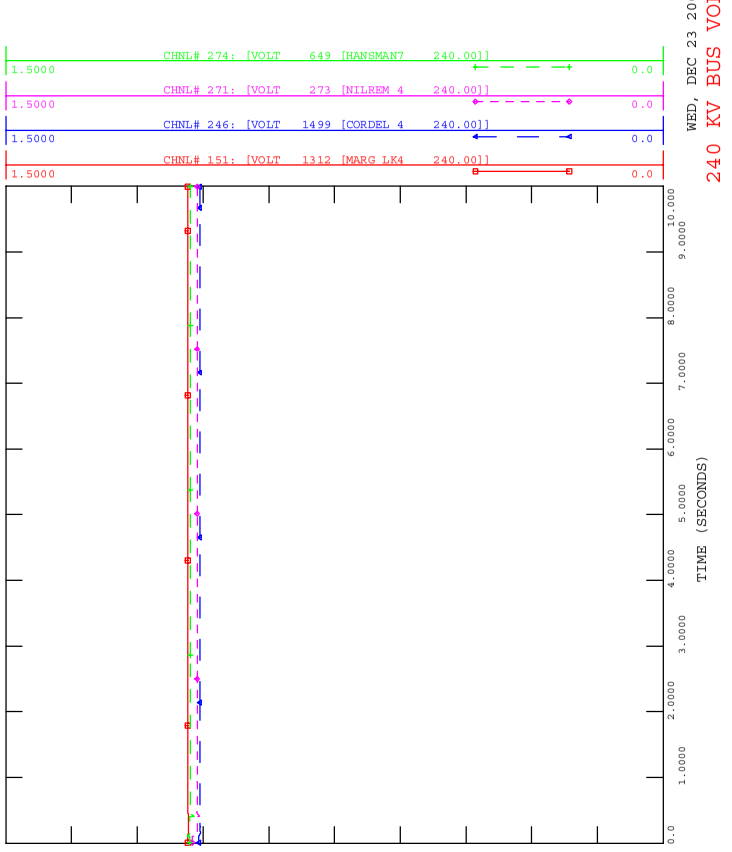


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

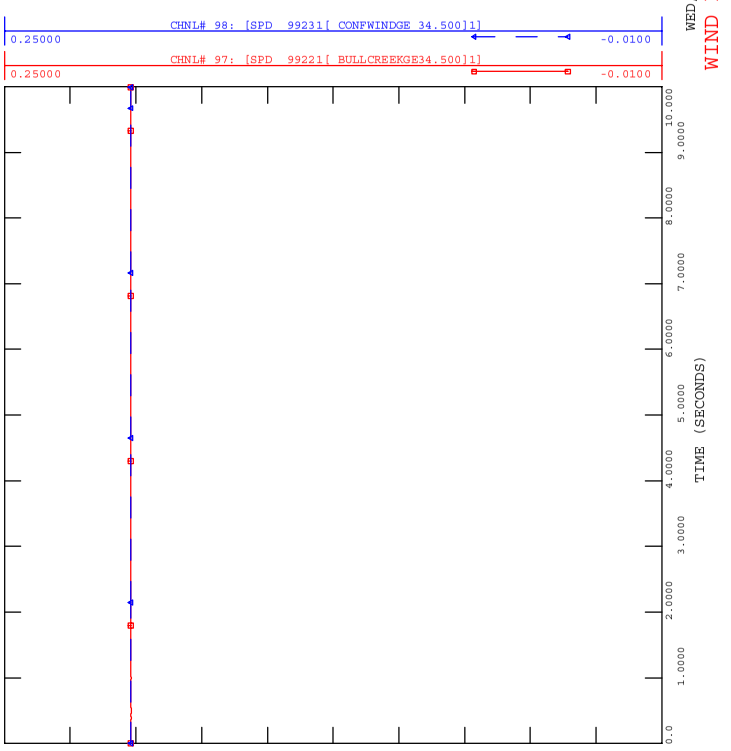


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240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

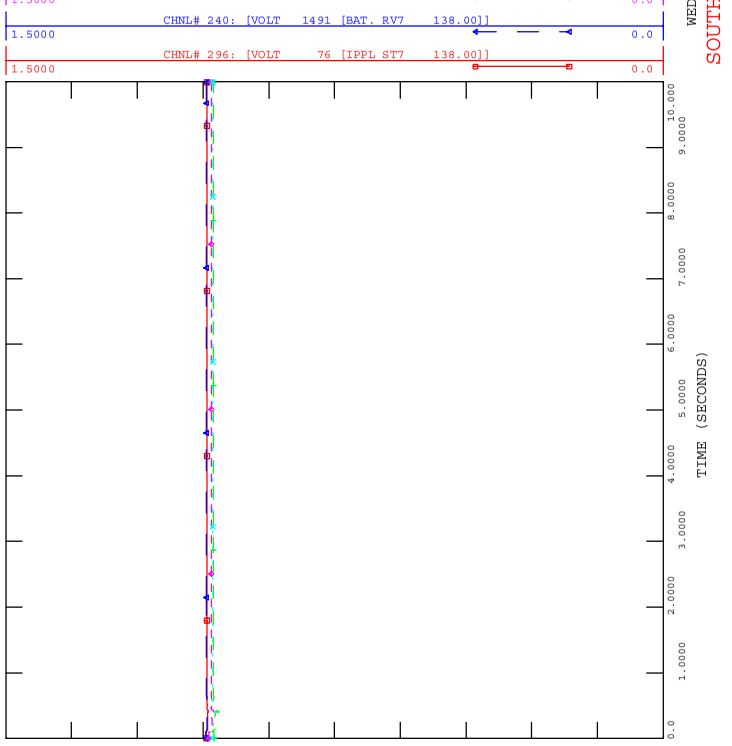


WED, DEC 23 2009 15:55

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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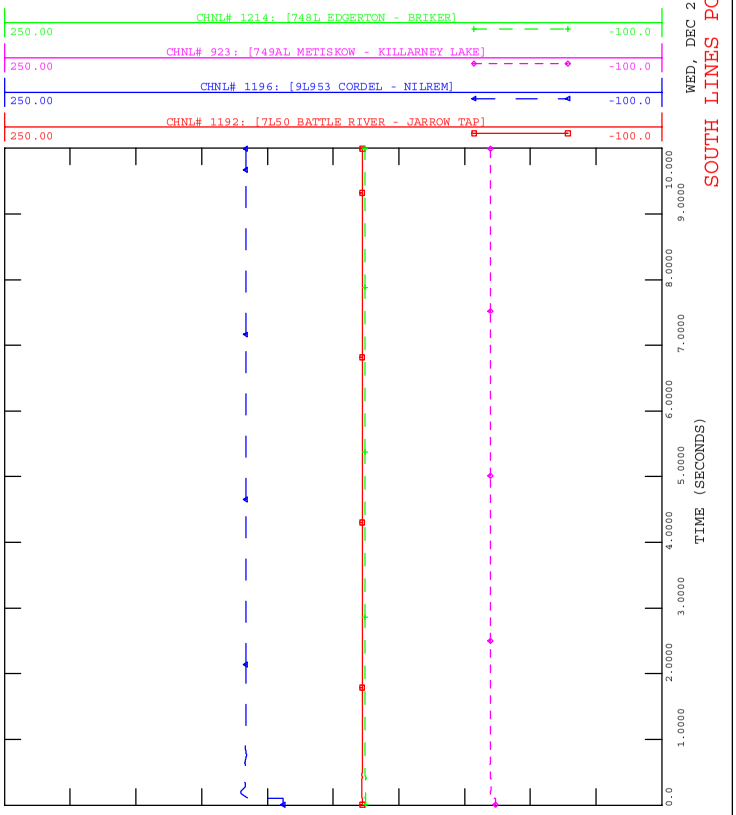


WED, DEC 23 2009 15:55

SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

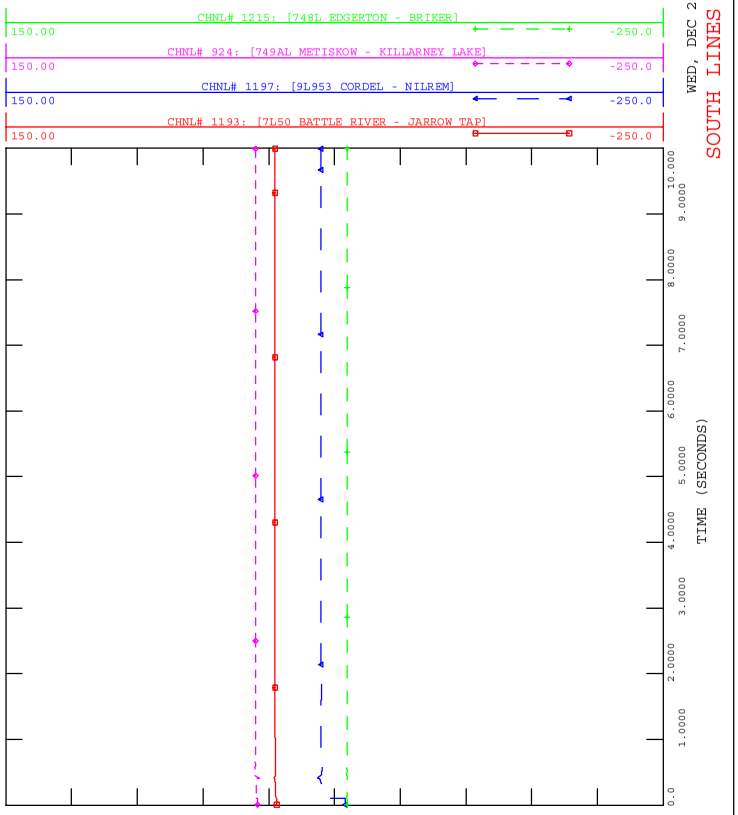


WED, DEC 23 2009 15:55

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

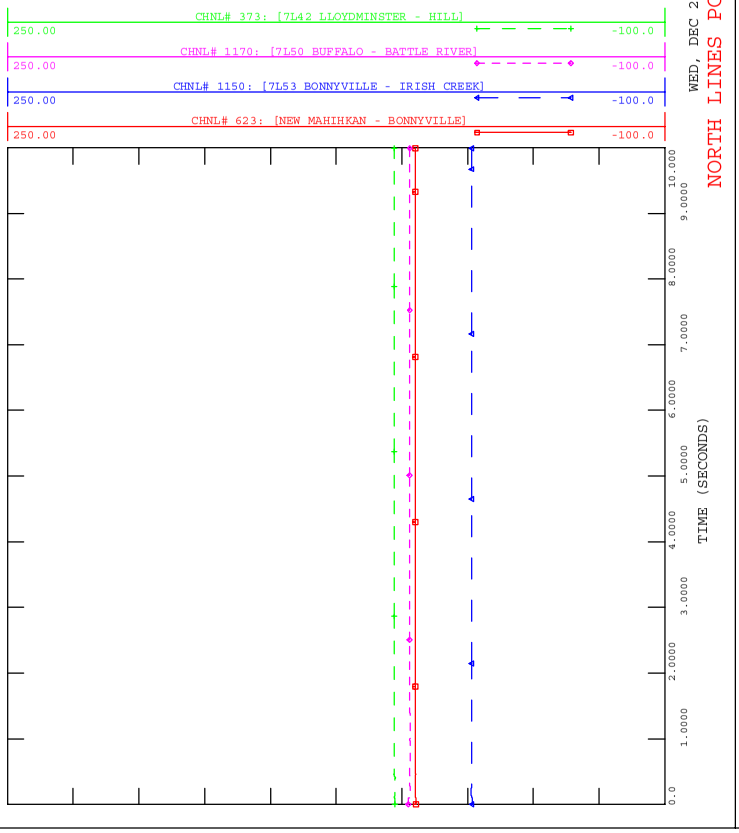


WED, DEC 23 2009 15:55

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

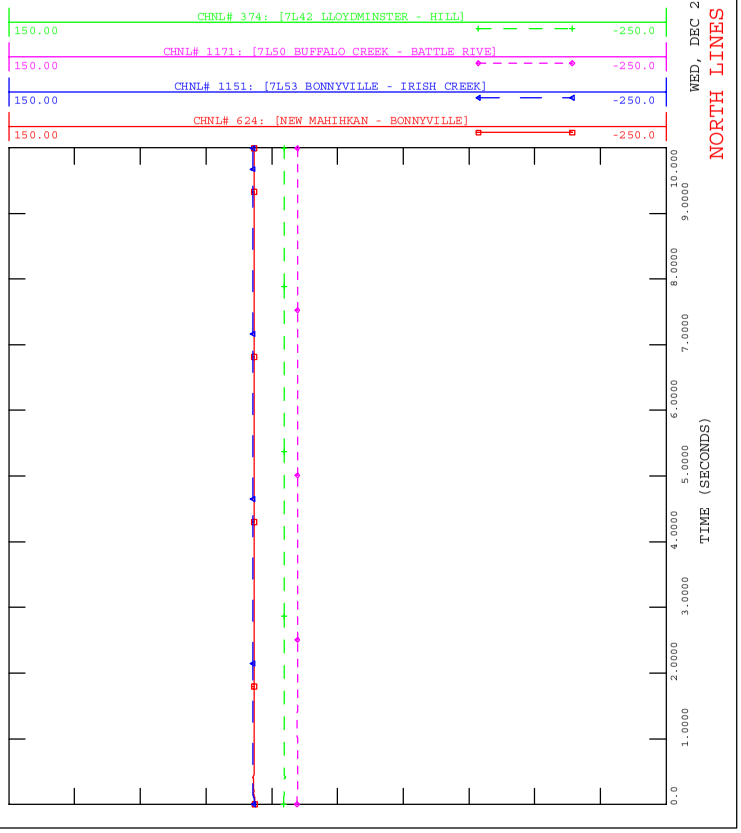


WED, DEC 23 2009 15:55

NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out



WED, DEC 23 2009 15:55

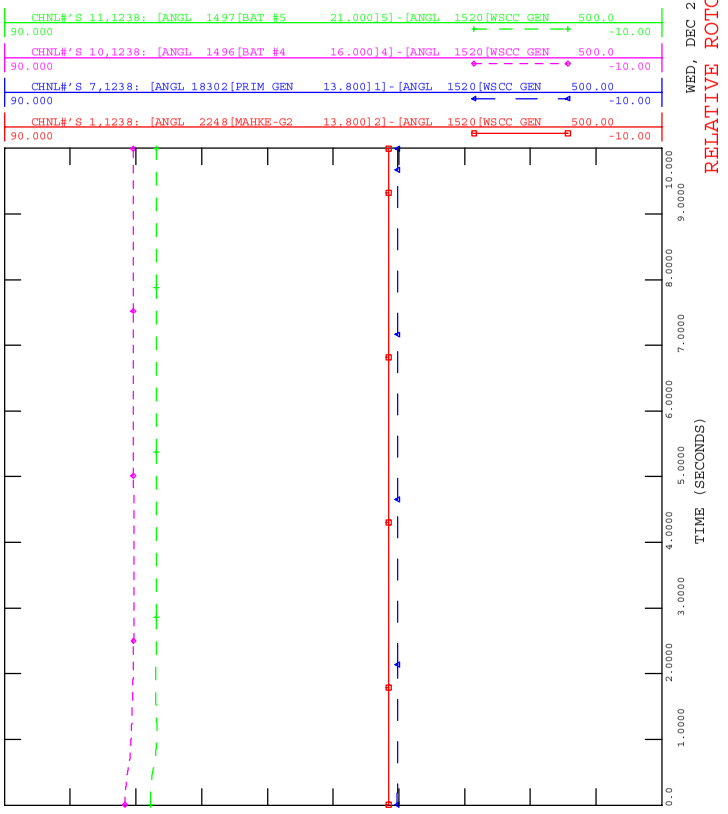
NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

RELATIVE ROTOR ANGLES

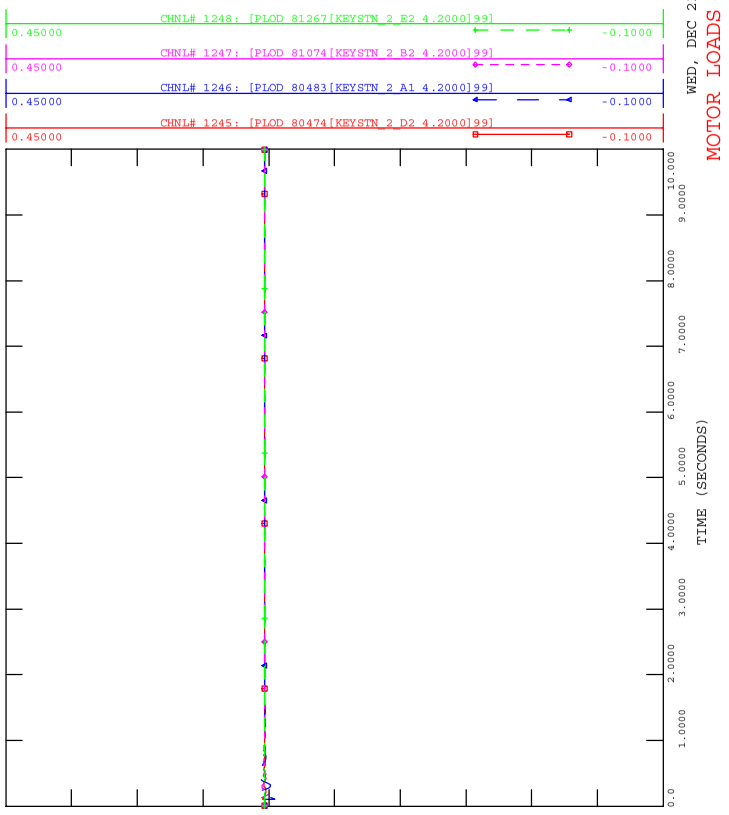


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

WED, DEC 23 2009 15:55

MOTOR LOADS GROUP II

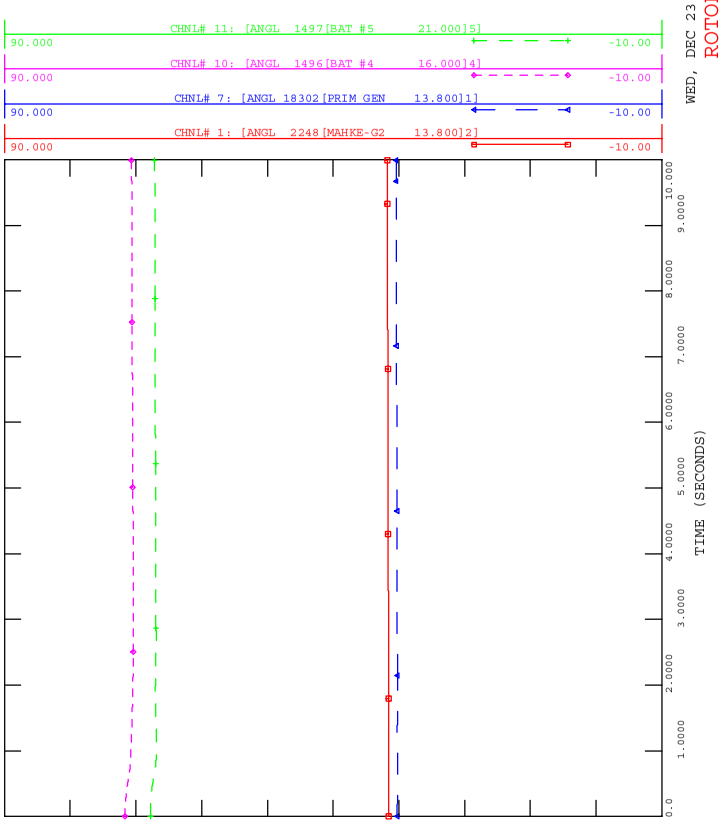


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

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ROTOR ANGLES

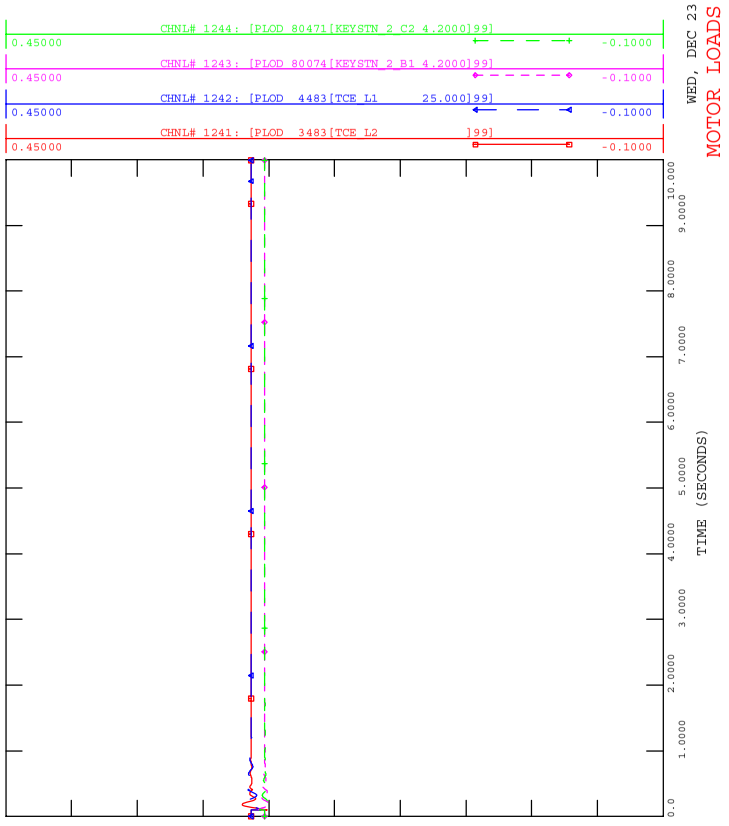


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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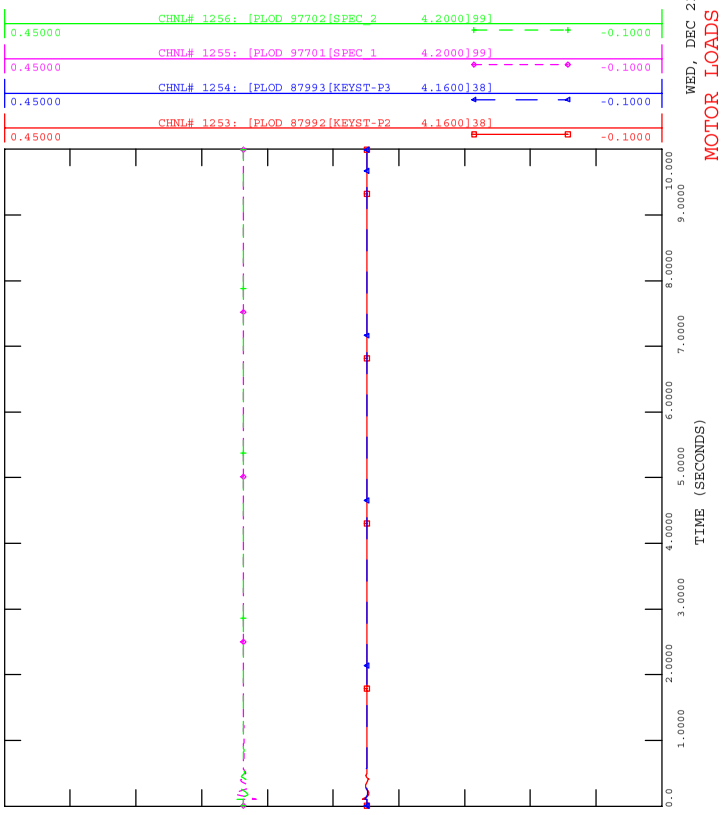
WED, DEC 23 2009 15:55

MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out

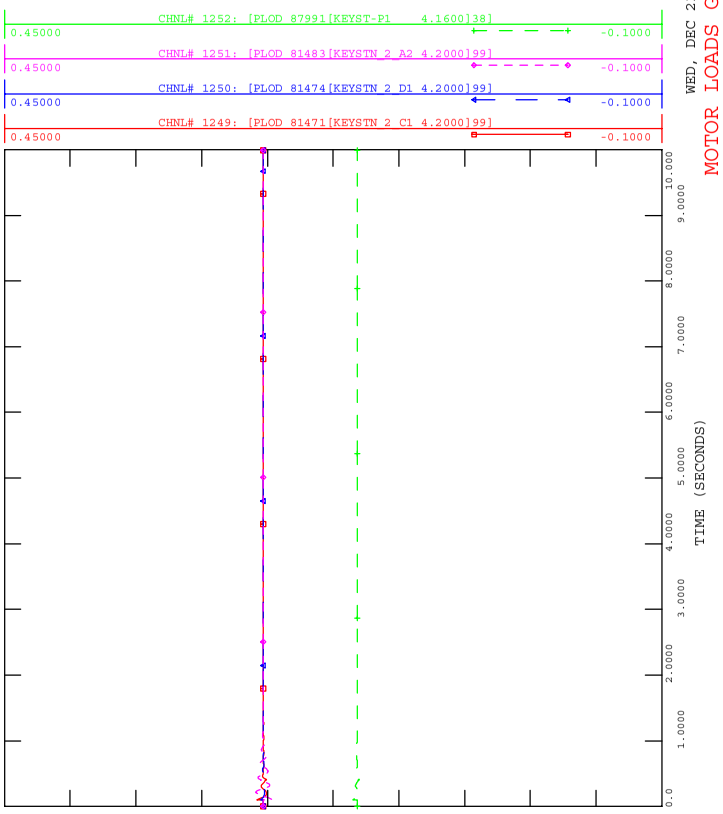


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-12fault.out



WED, DEC 23 2009 15:55

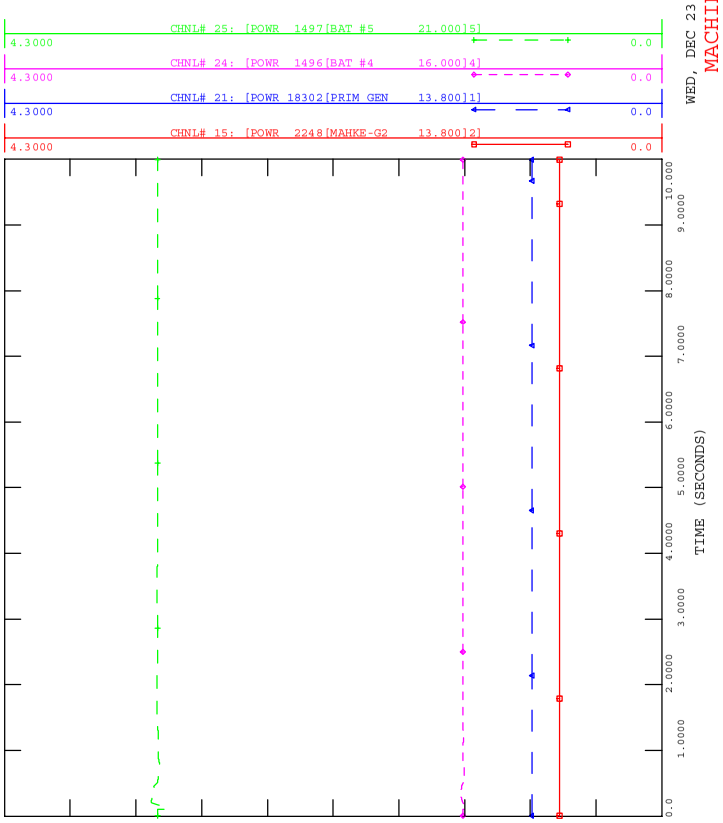
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

MACHINE POWER

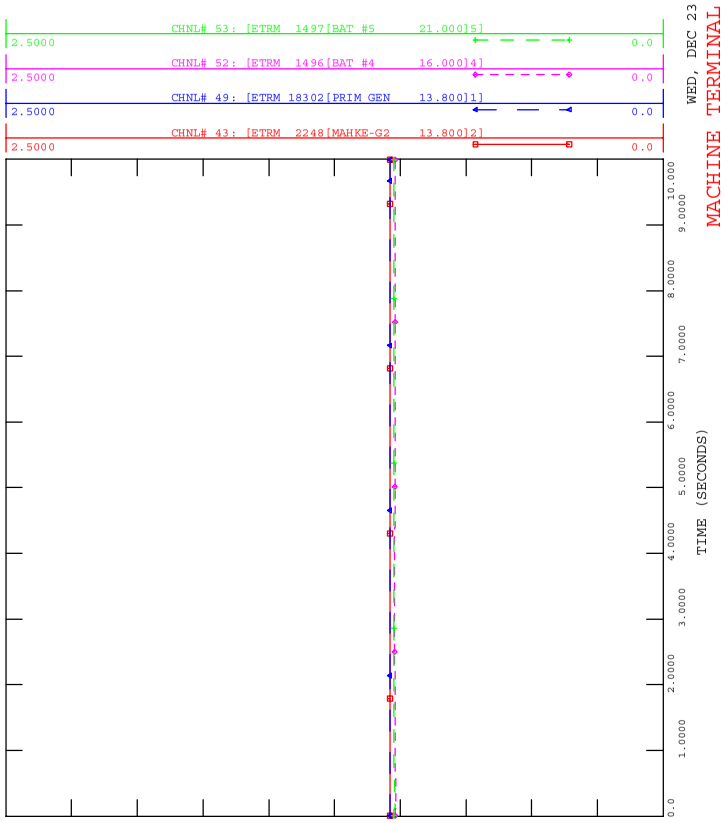


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

MACHINE TERMINAL VOLTAGE

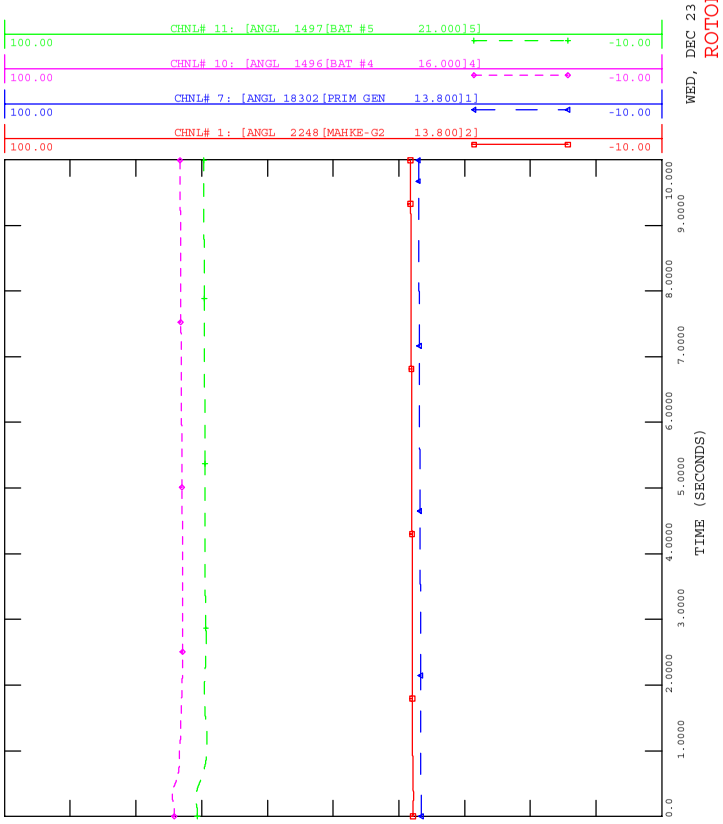


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

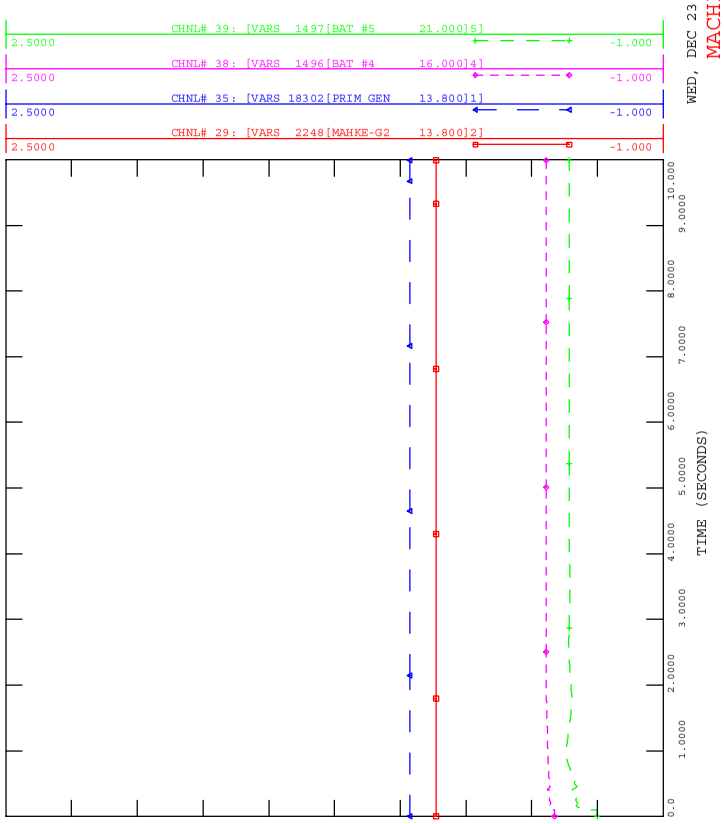


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

MACHINE VARS

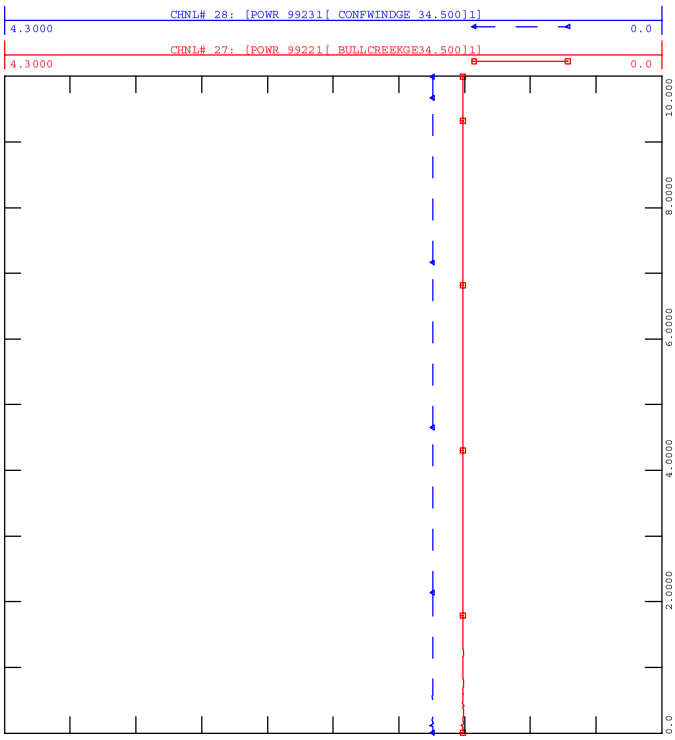


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

WIND MACHINE POWER

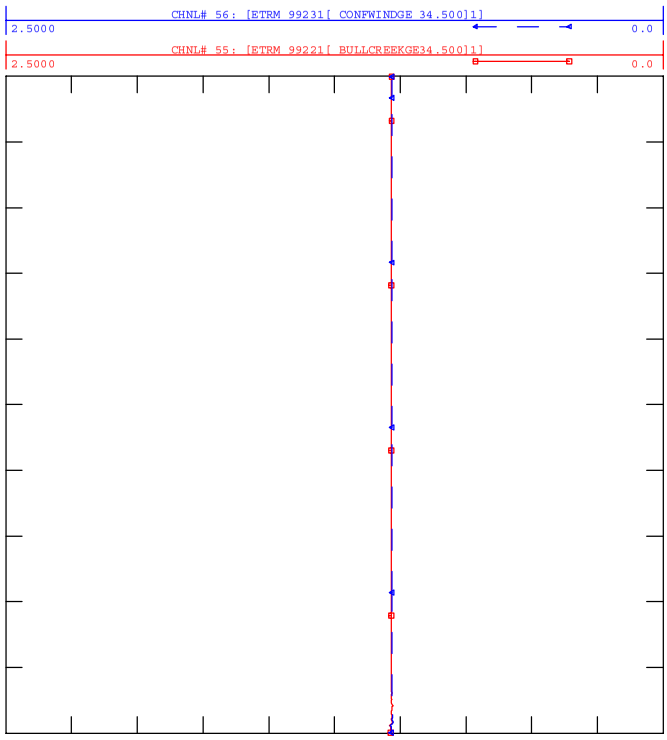


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

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WIND MACH. TERMINAL VOLTS

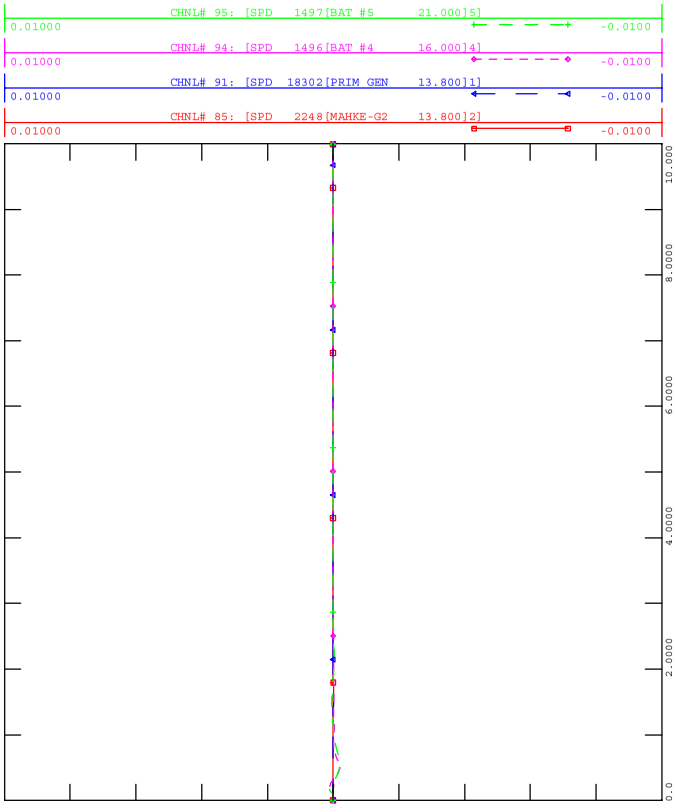


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

MACHINE SPEED

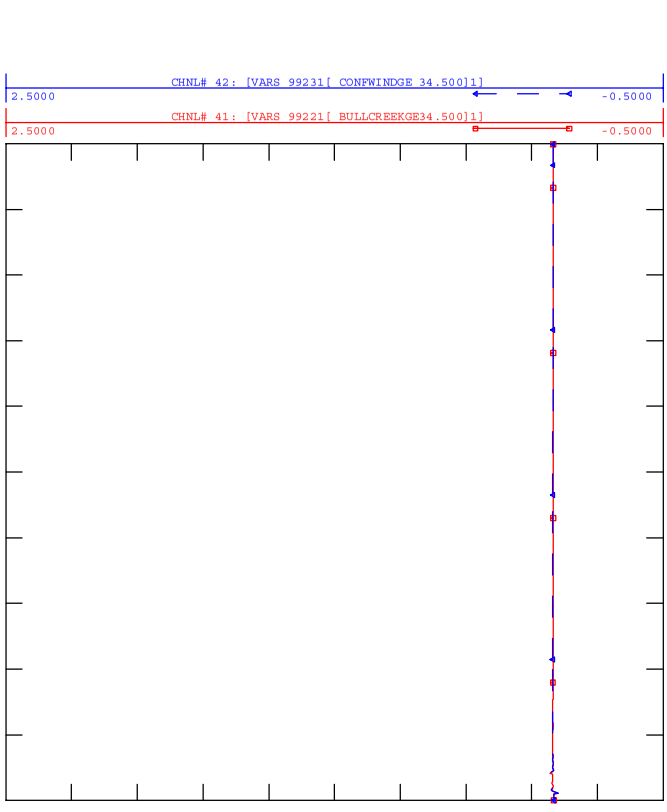


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

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WIND MACHINE VARS

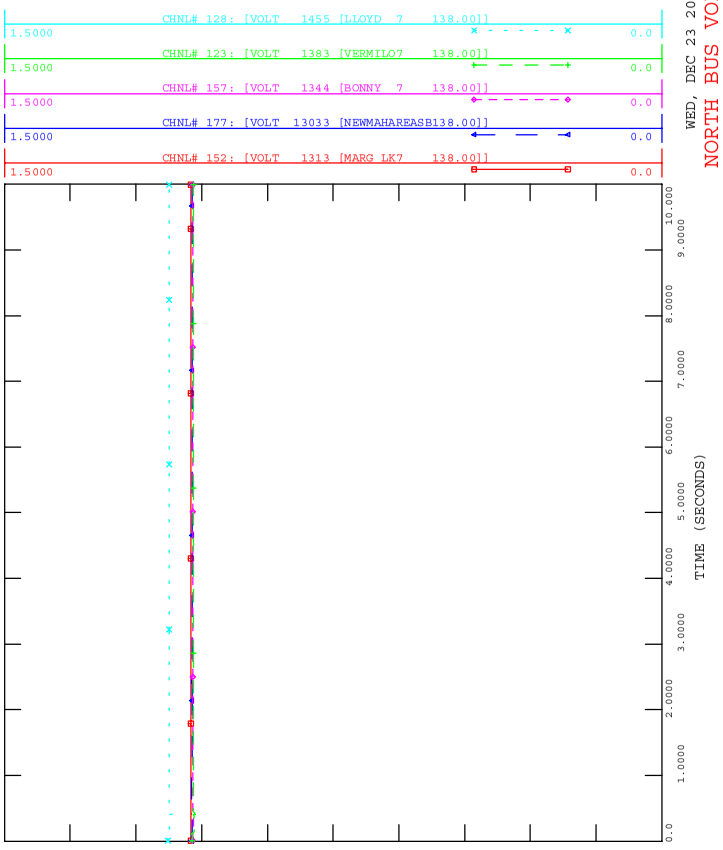


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

NORTH BUS VOLTAGES

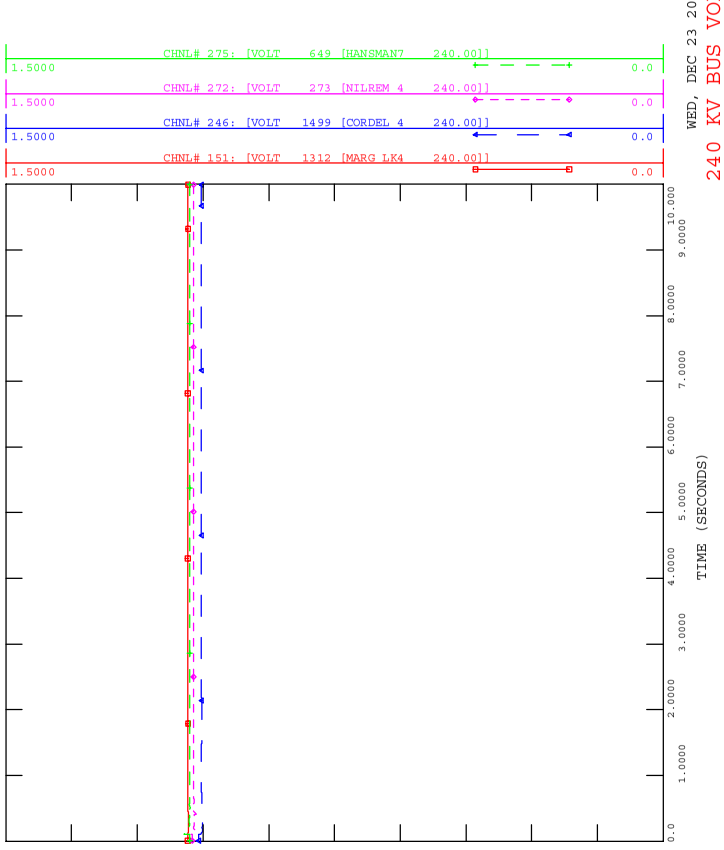


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

240 KV BUS VOLTAGES

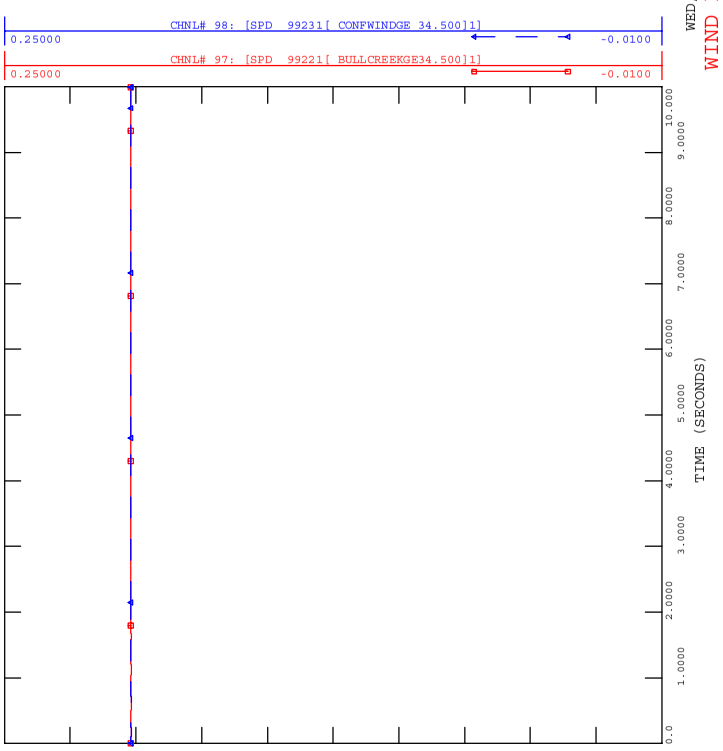


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

WIND MACHINE SPEED

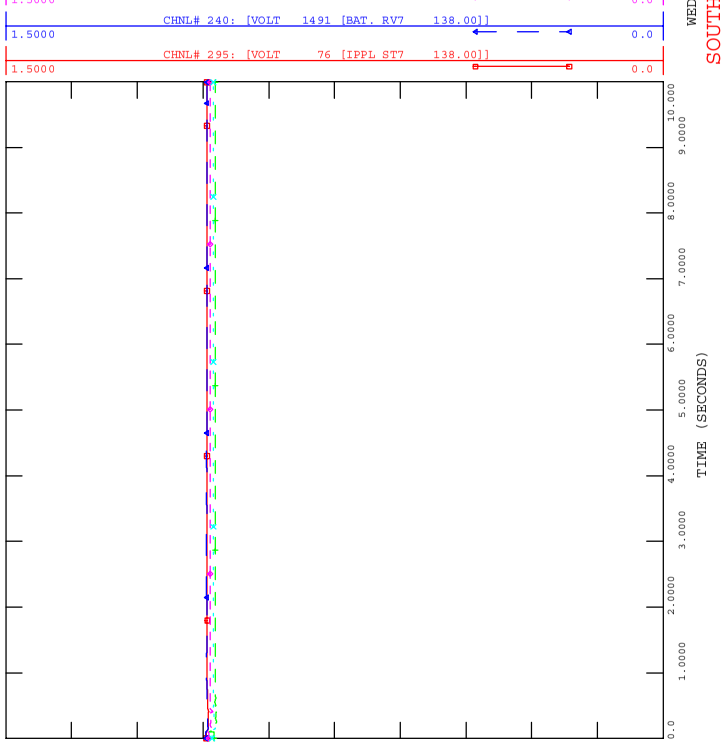


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

SOUTH BUS VOLTAGES

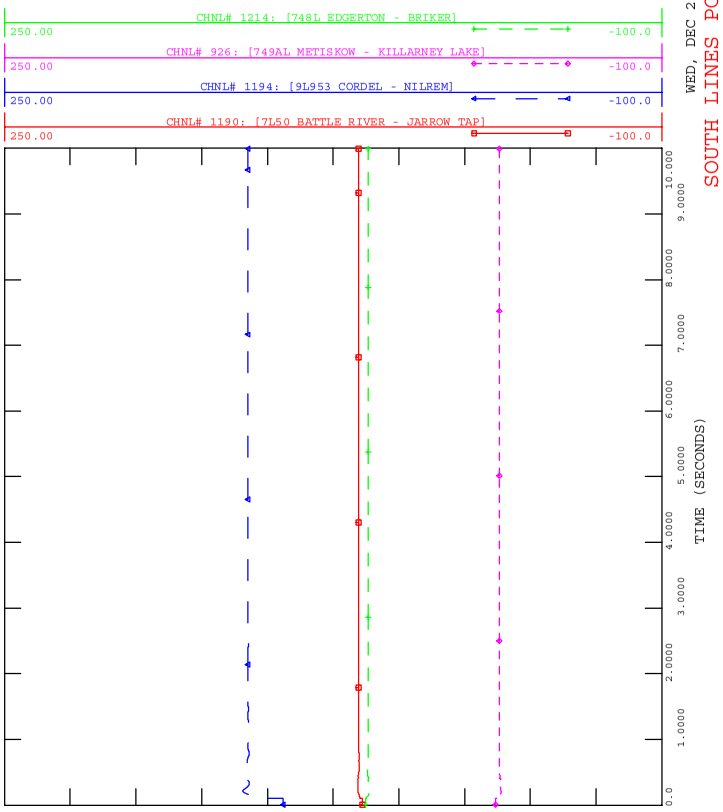


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

SOUTH LINES POWER FLOW

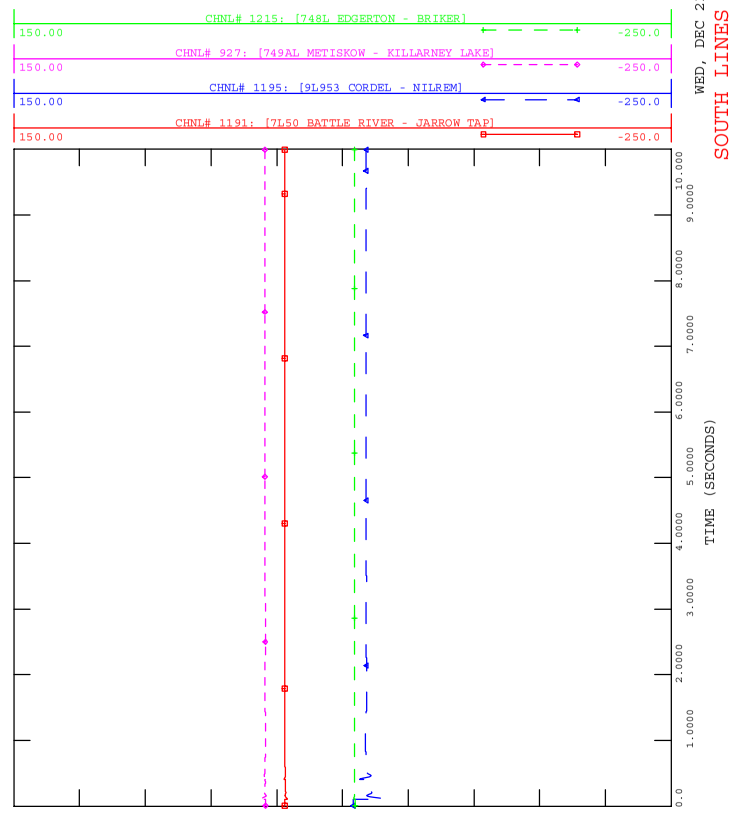


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

SOUTH LINES VAR FLOW

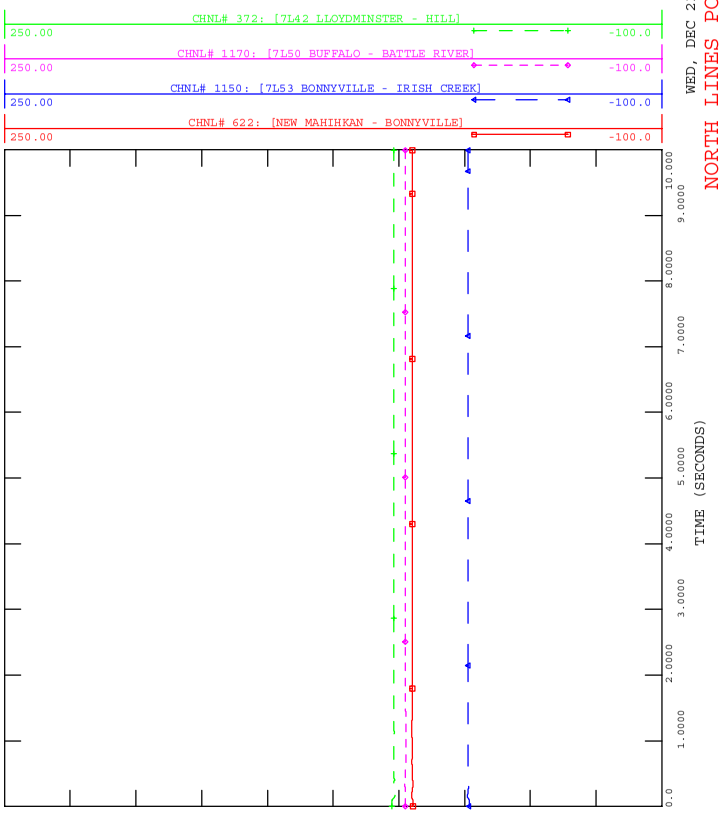


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:55

NORTH LINES POWER FLOW

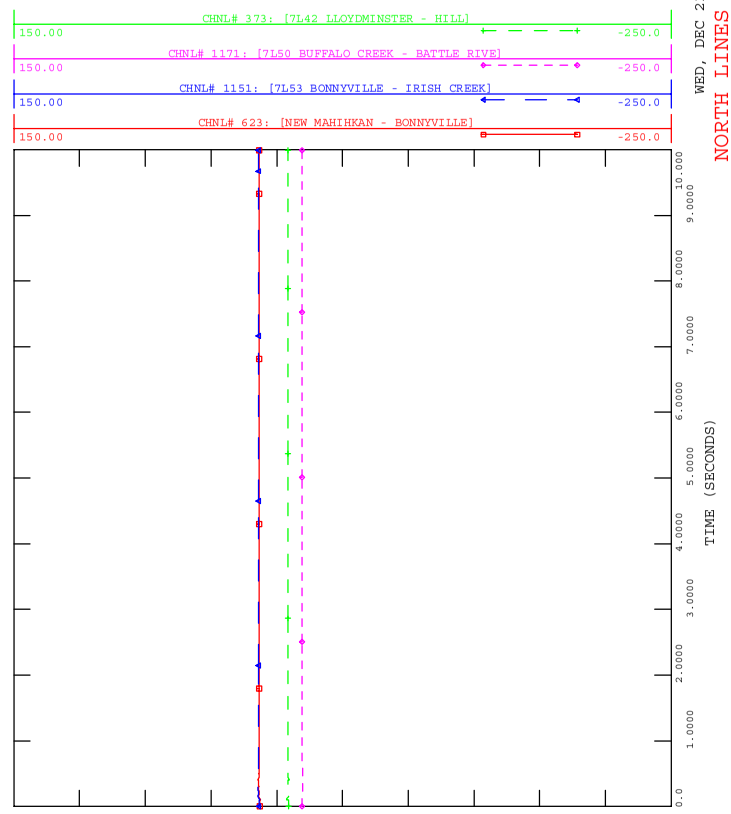


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

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NORTH LINES VAR FLOW

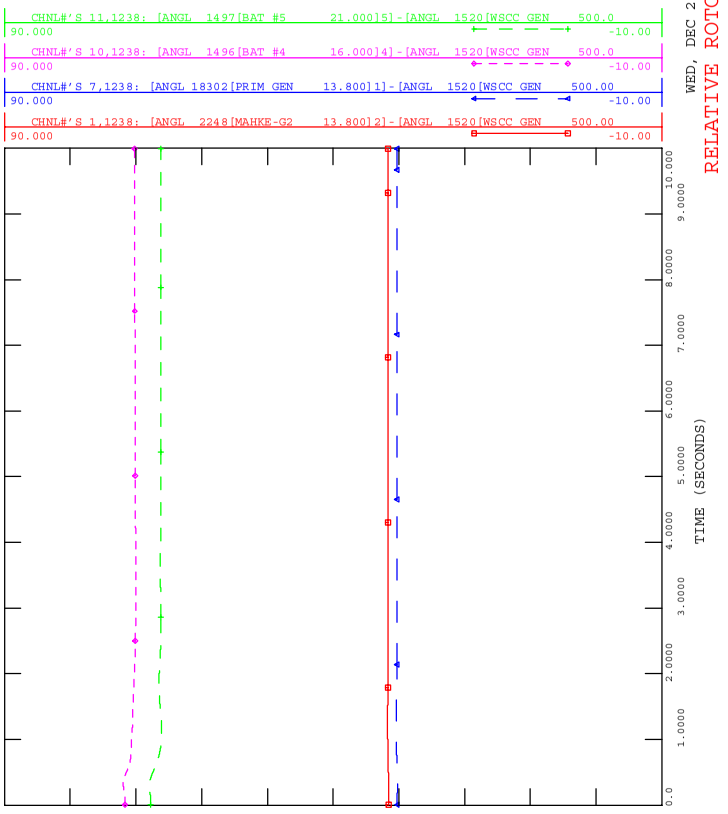


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

RELATIVE ROTOR ANGLES

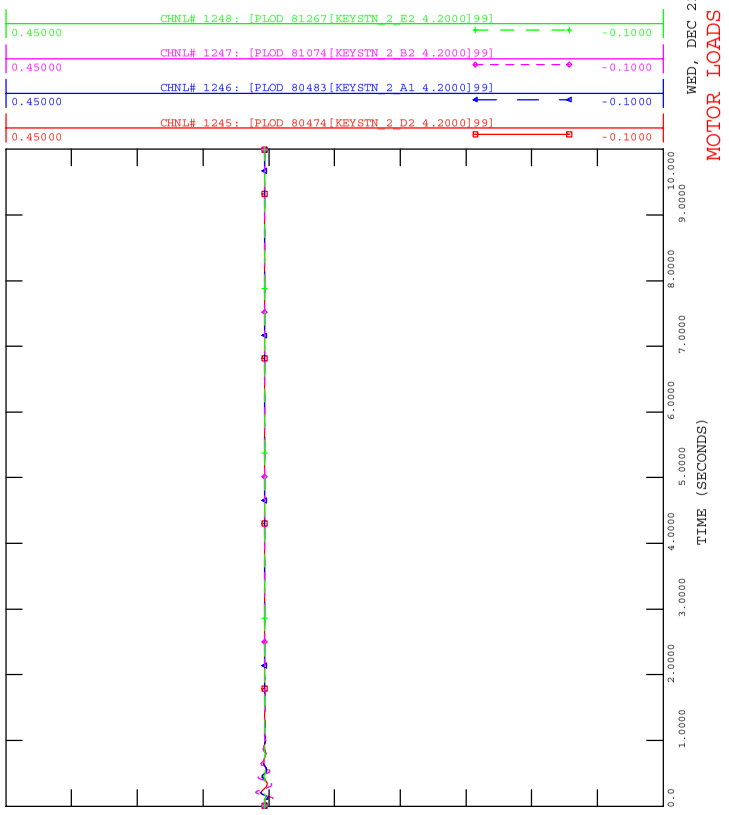


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

MOTOR LOADS GROUP II

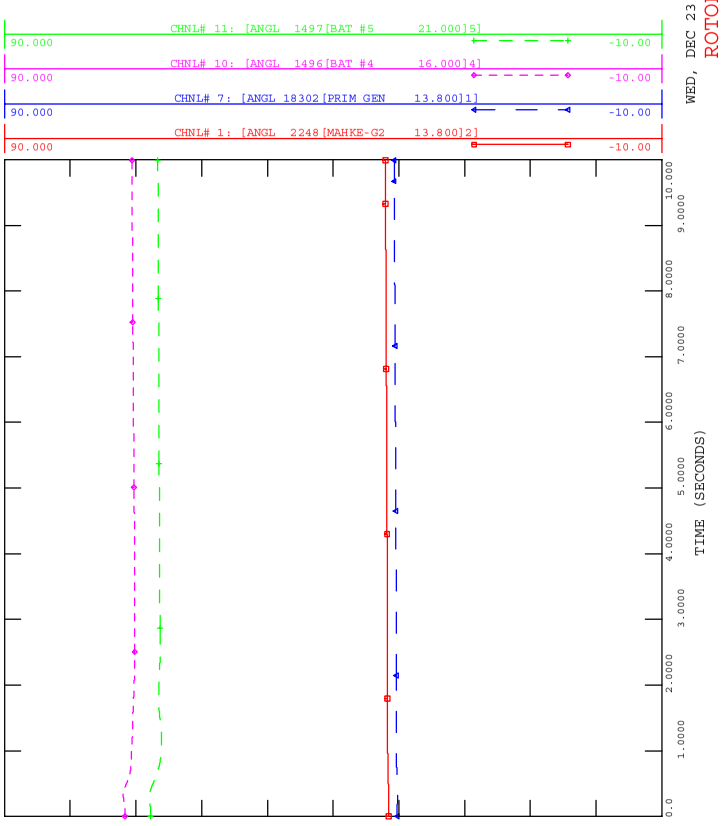


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

WED, DEC 23 2009 15:55

ROTOR ANGLES

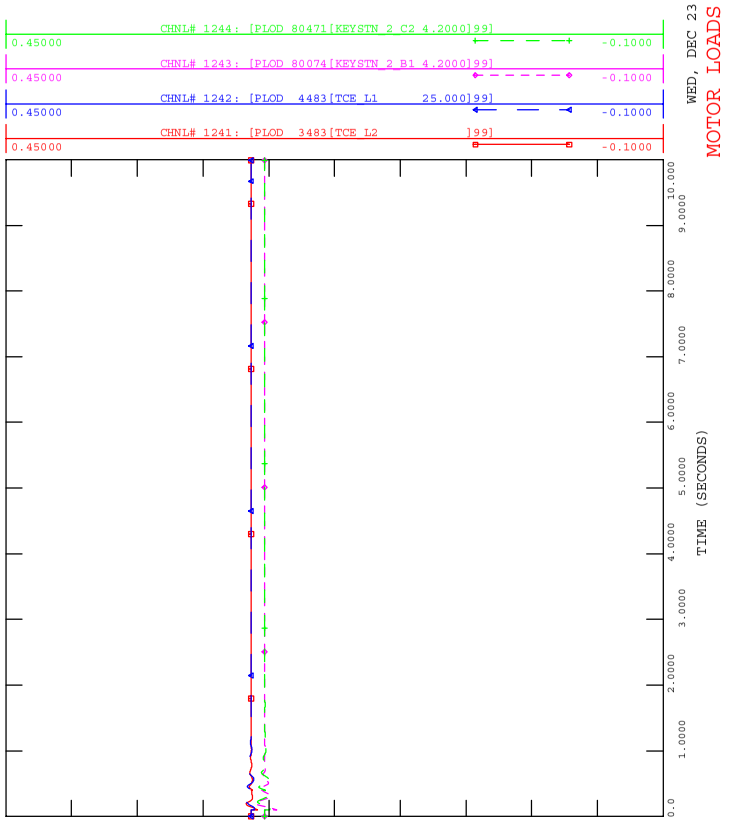


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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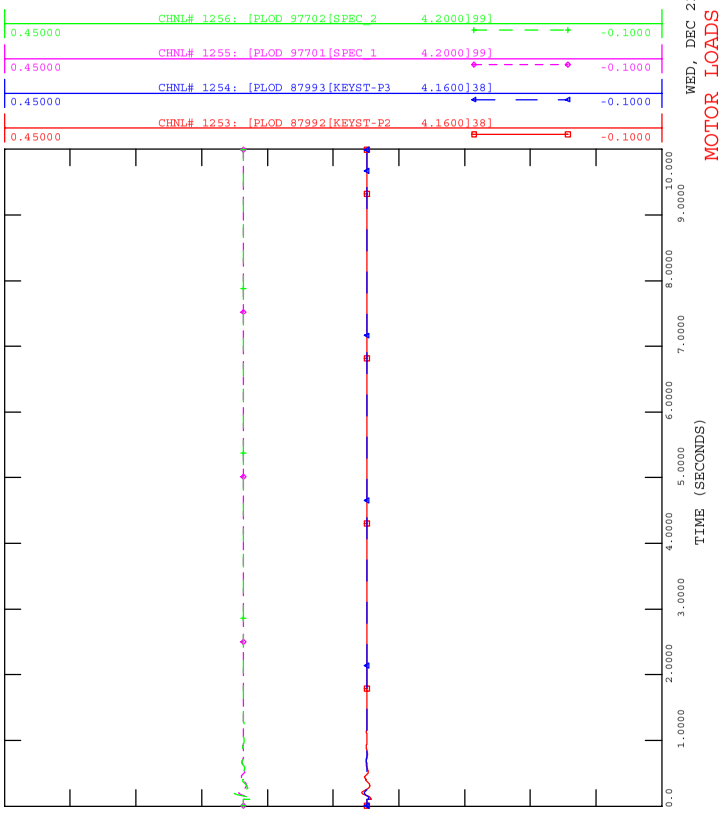
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out

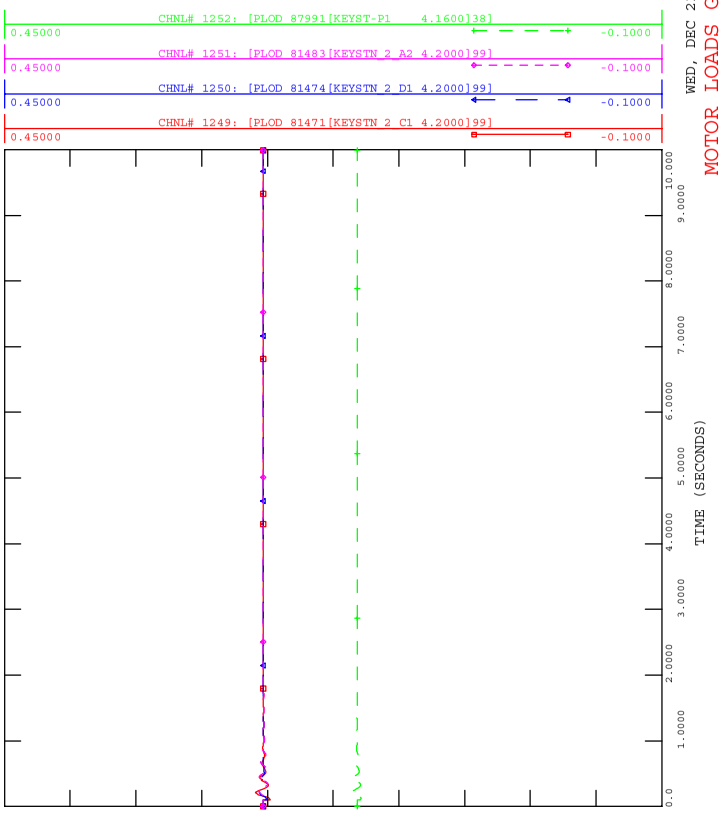


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-13fault.out



WED, DEC 23 2009 15:55

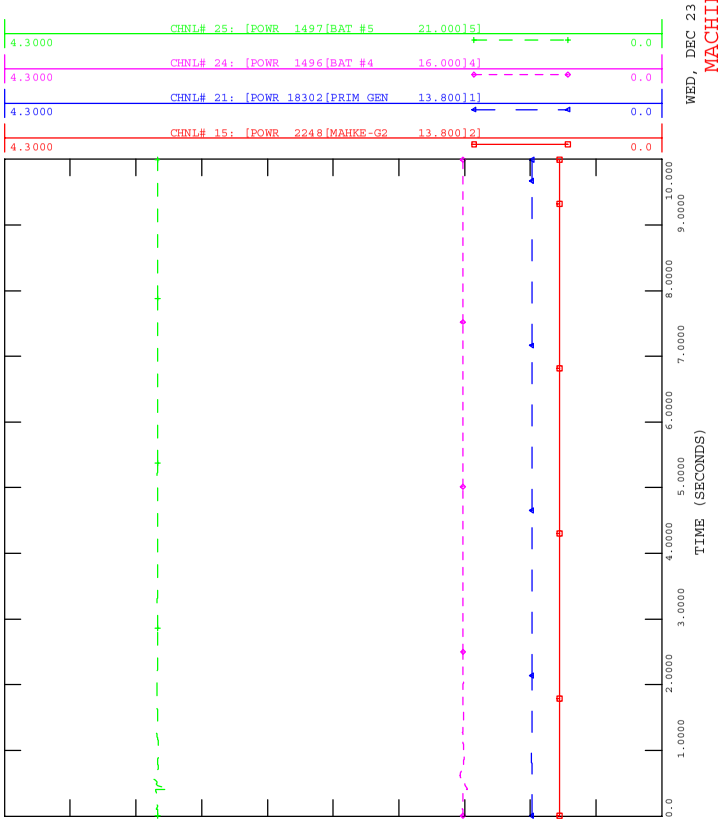
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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MACHINE POWER

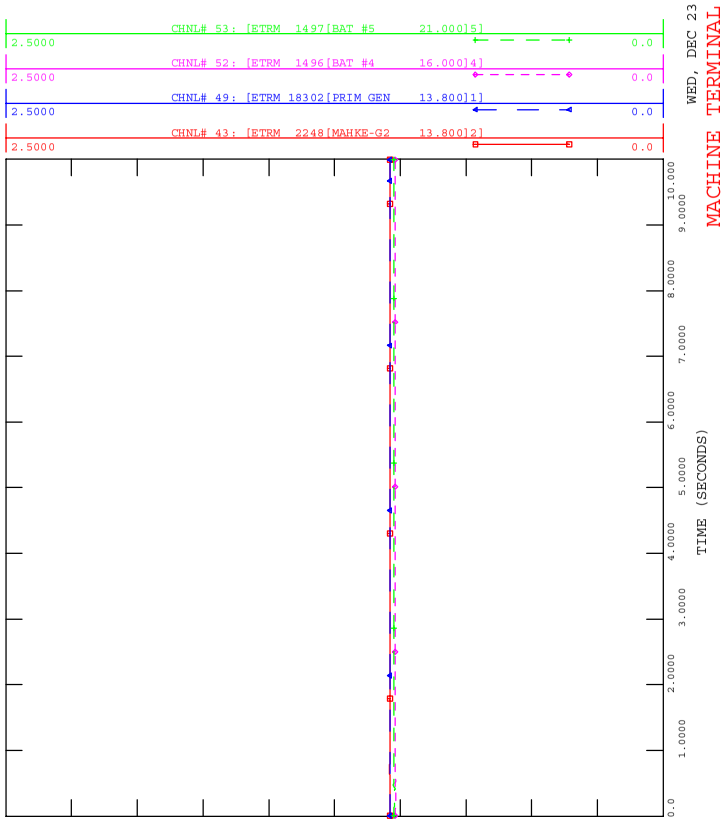


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

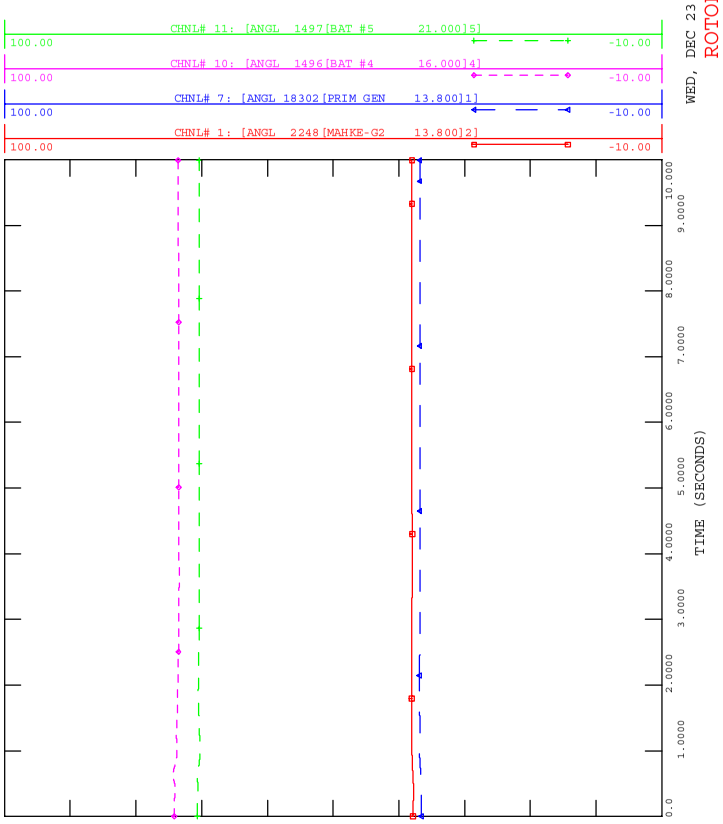


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

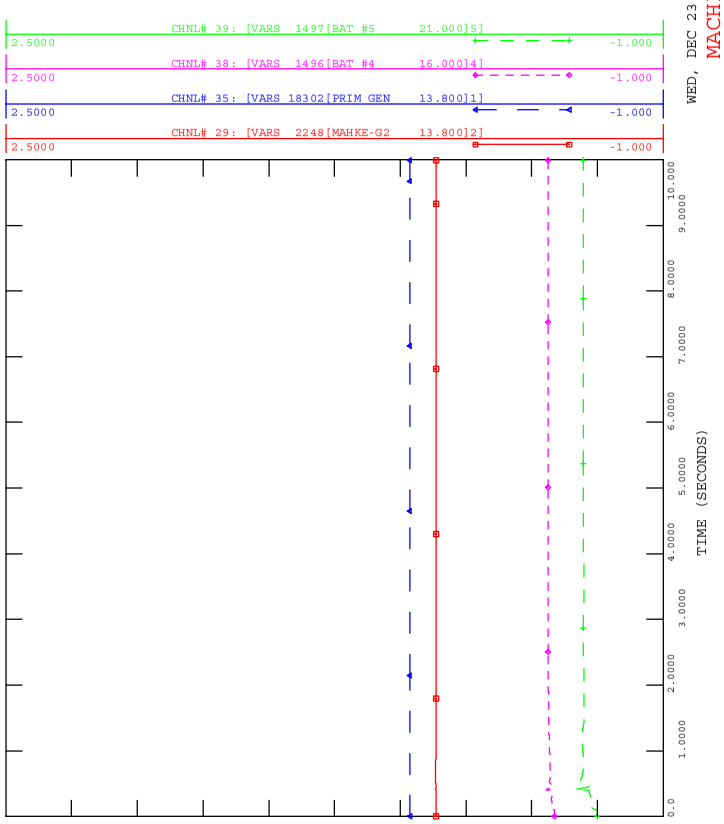


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:55

MACHINE VARS

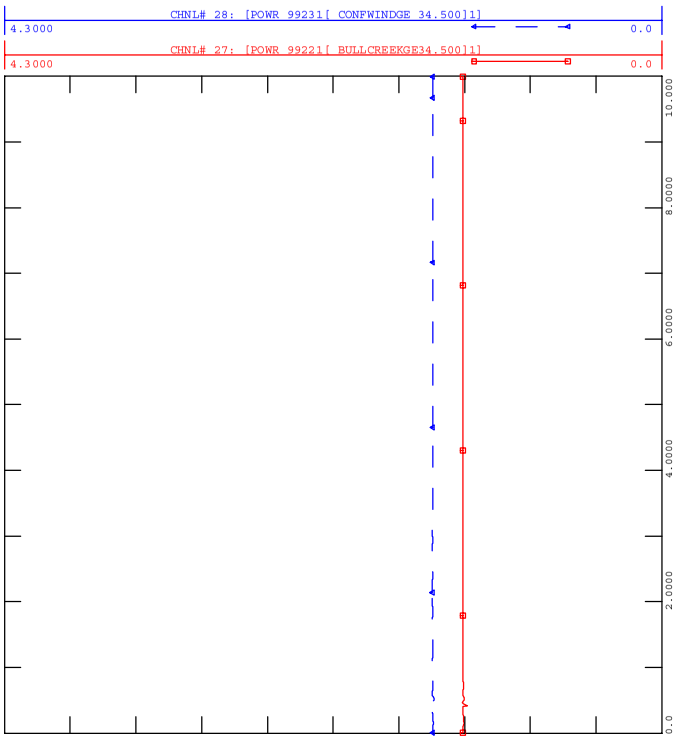


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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WIND MACHINE POWER

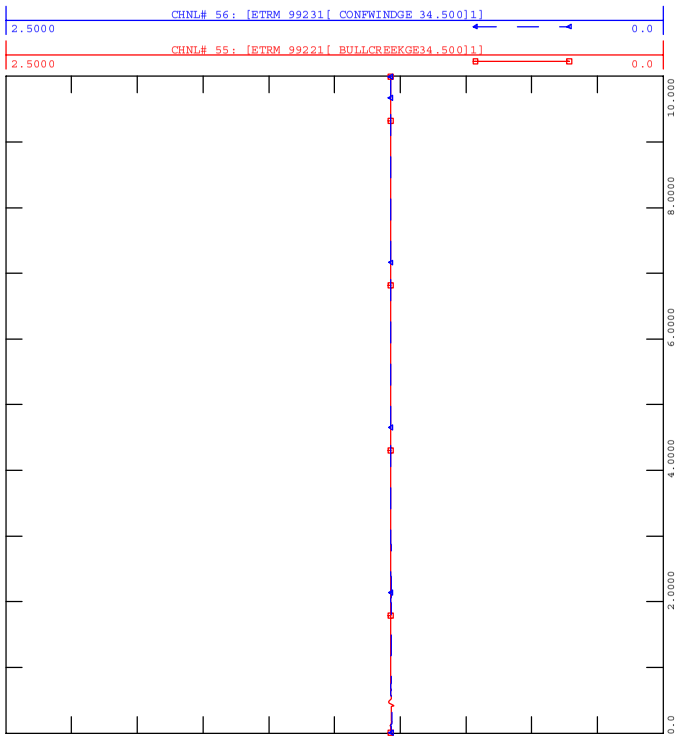


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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WIND MACH. TERMINAL VOLTS

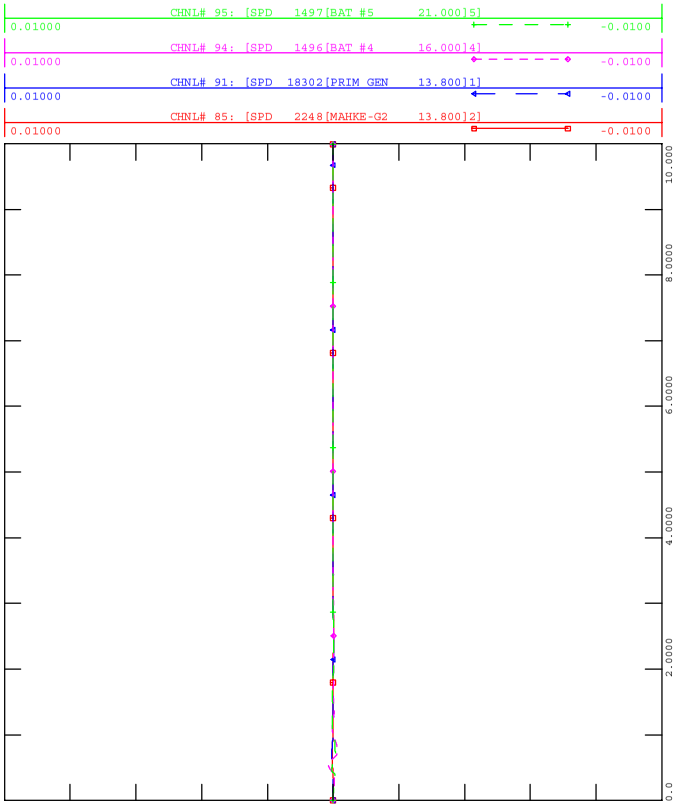


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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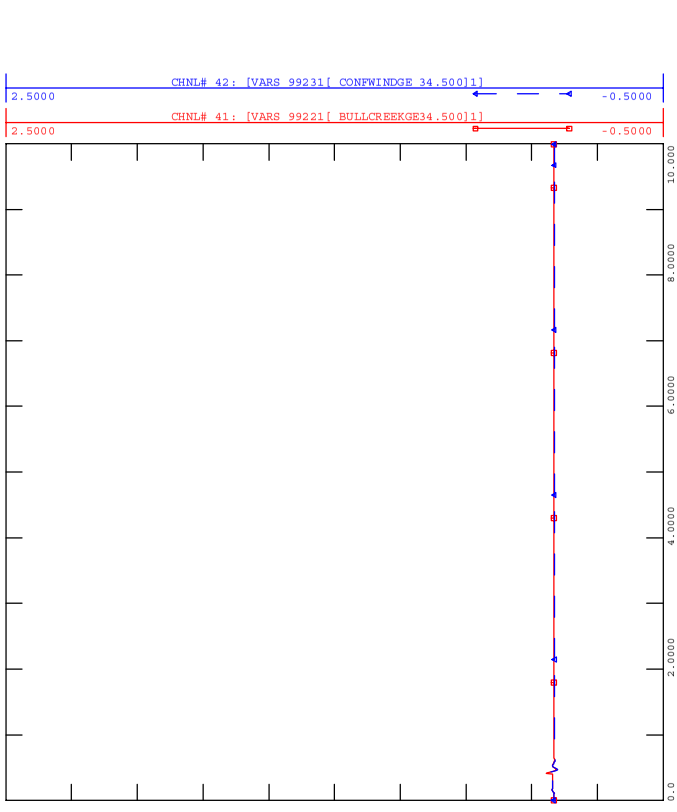


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE VARS

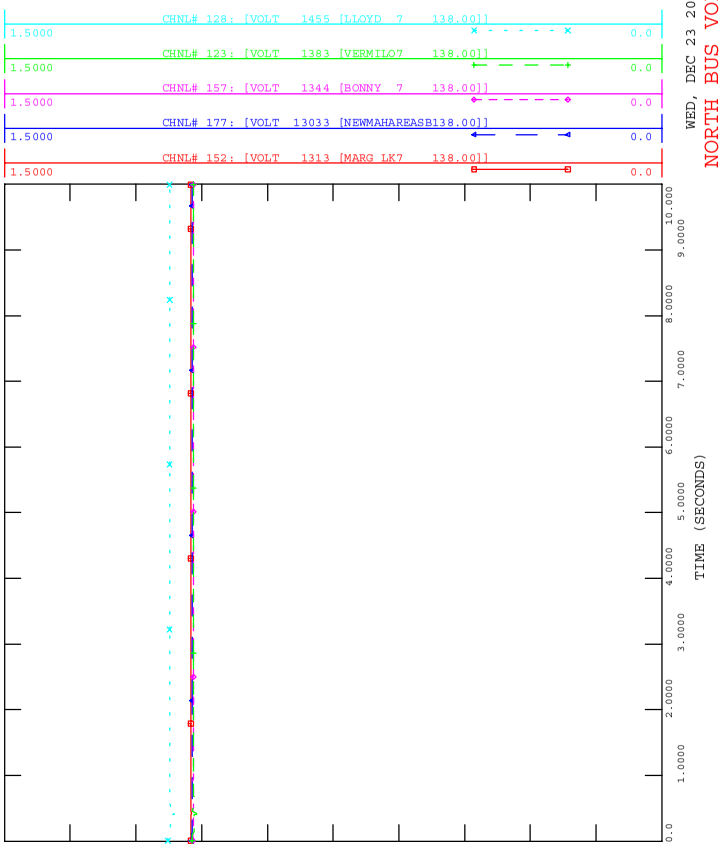


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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NORTH BUS VOLTAGES

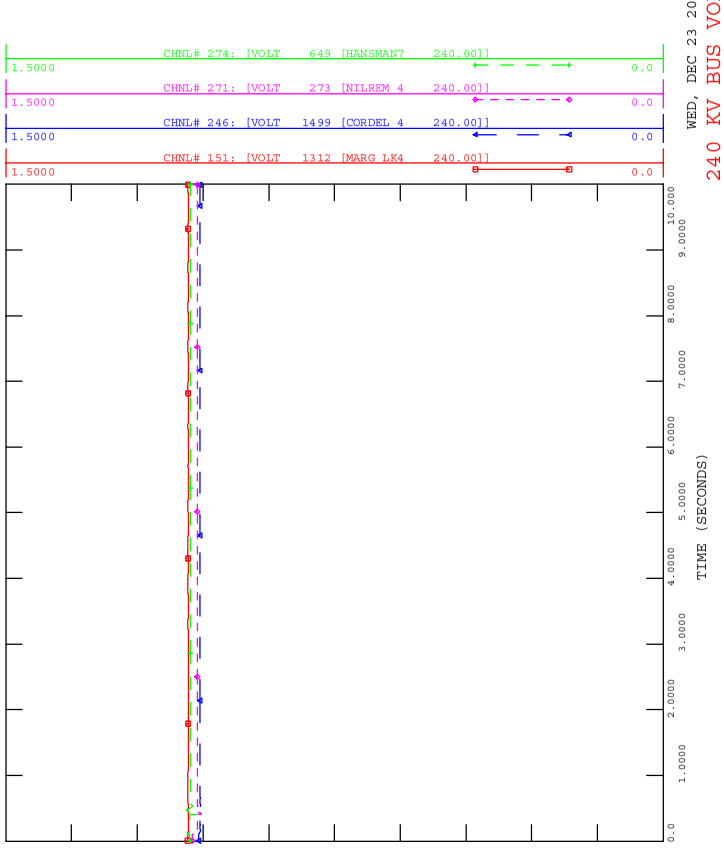


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:55

240 KV BUS VOLTAGES

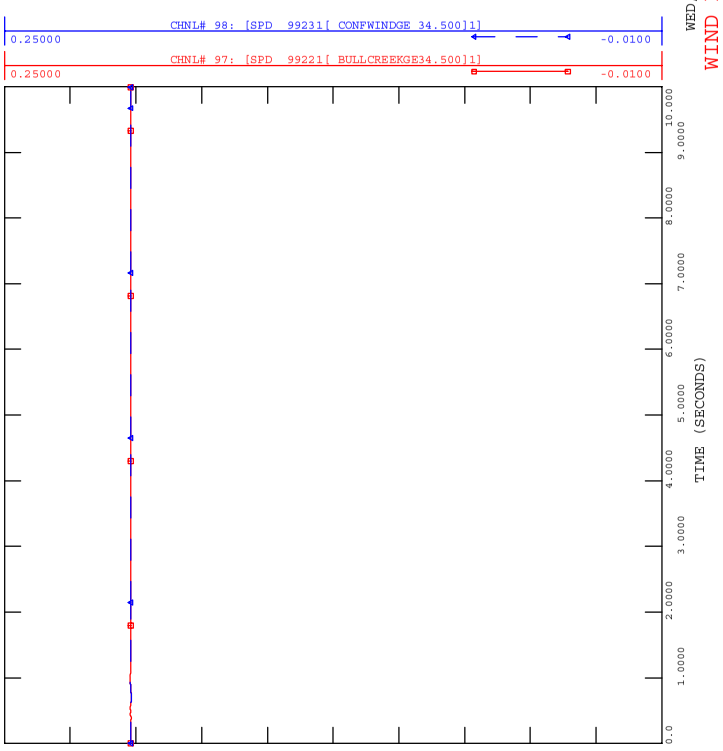


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WED, DEC 23 2009 15:55

WIND MACHINE SPEED

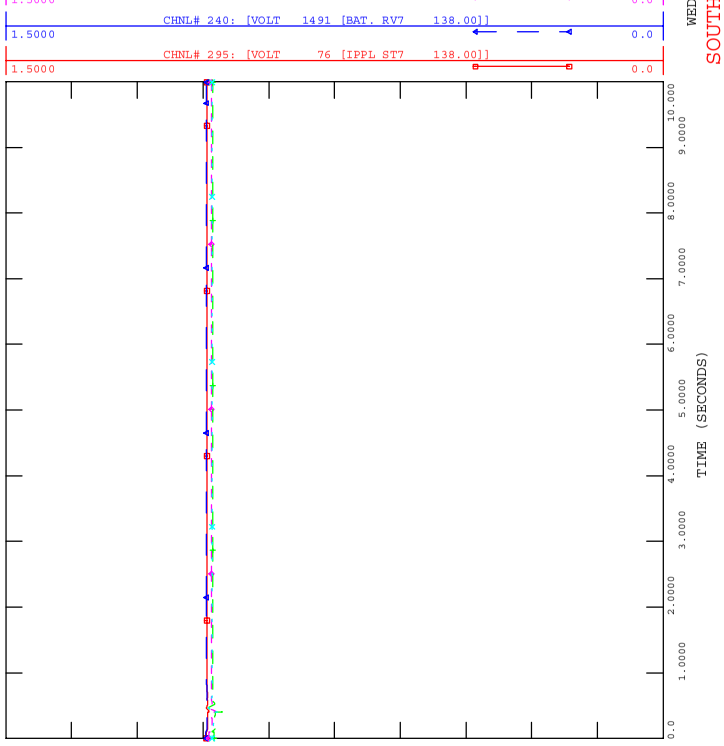


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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SOUTH BUS VOLTAGES

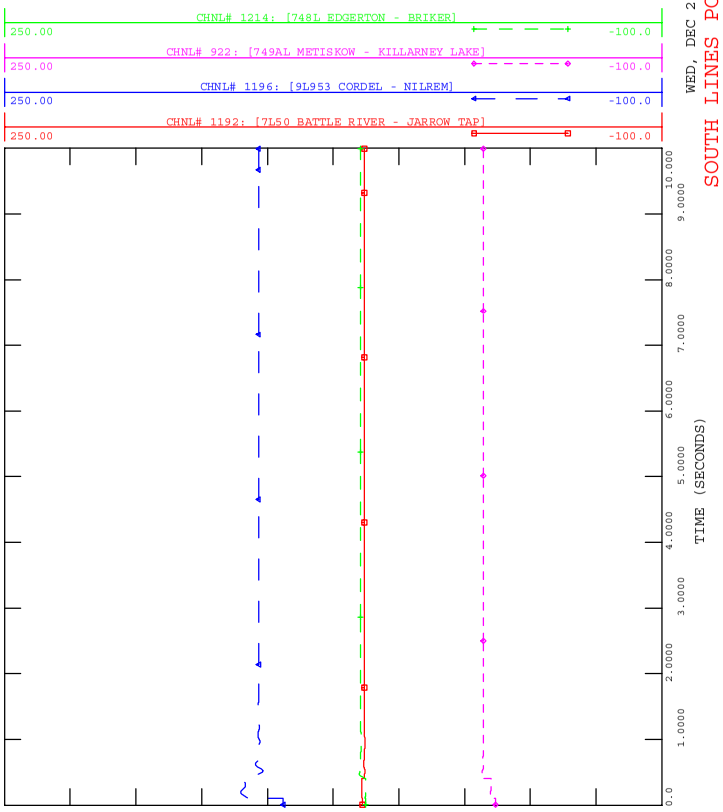


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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SOUTH LINES POWER FLOW

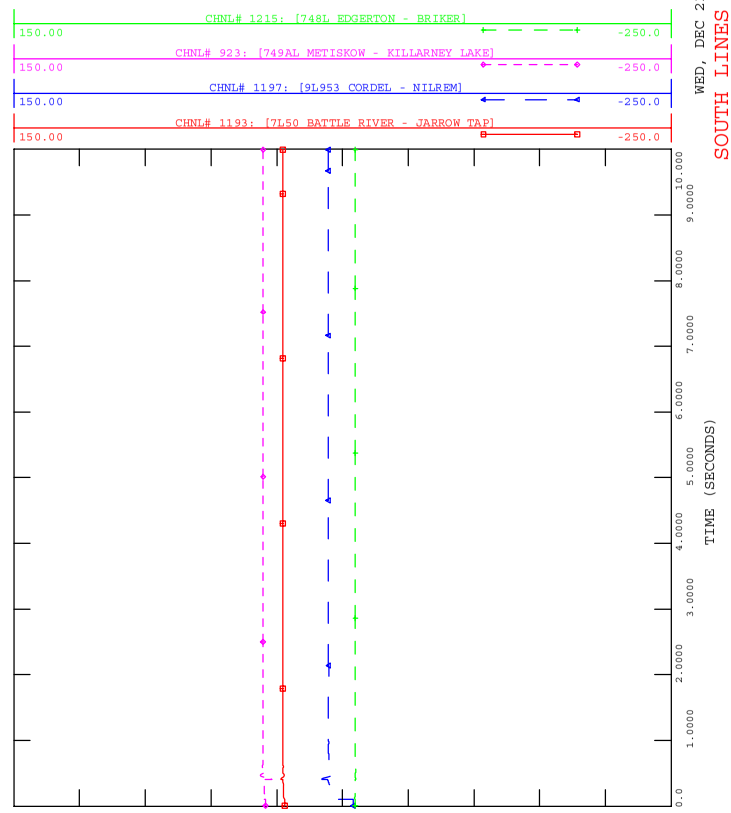


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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SOUTH LINES VAR FLOW

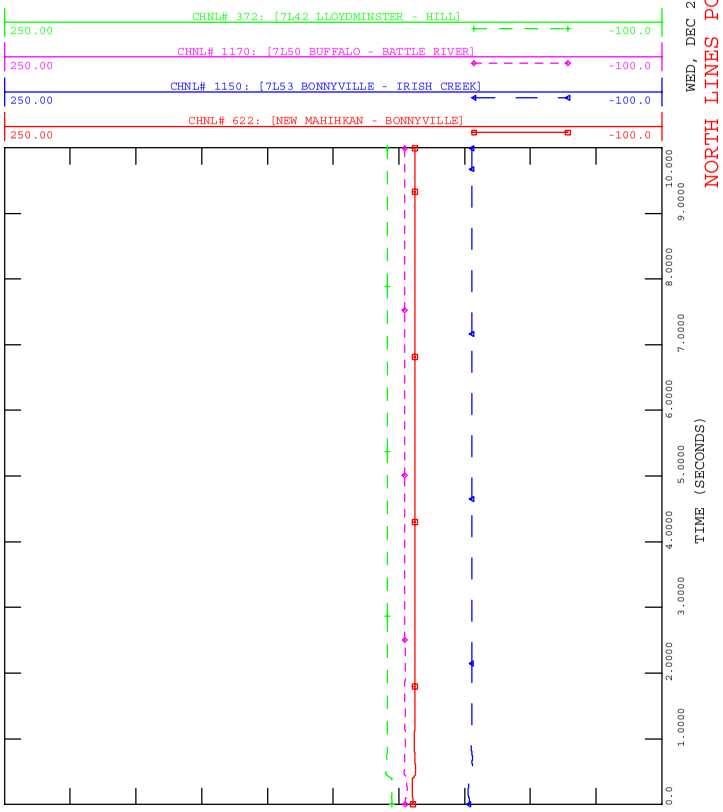


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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NORTH LINES POWER FLOW

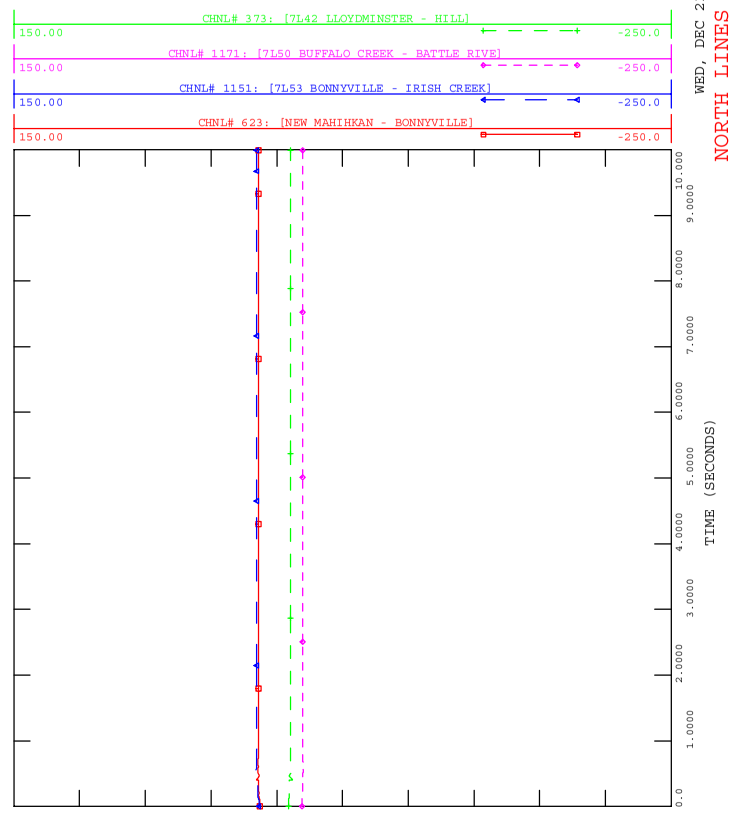


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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NORTH LINES VAR FLOW

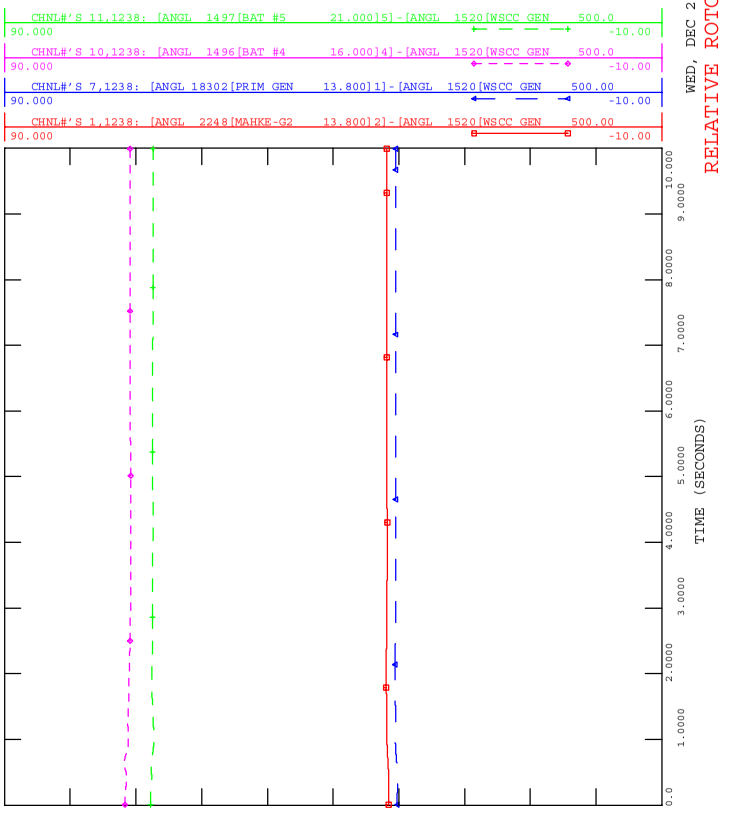


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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RELATIVE ROTOR ANGLES

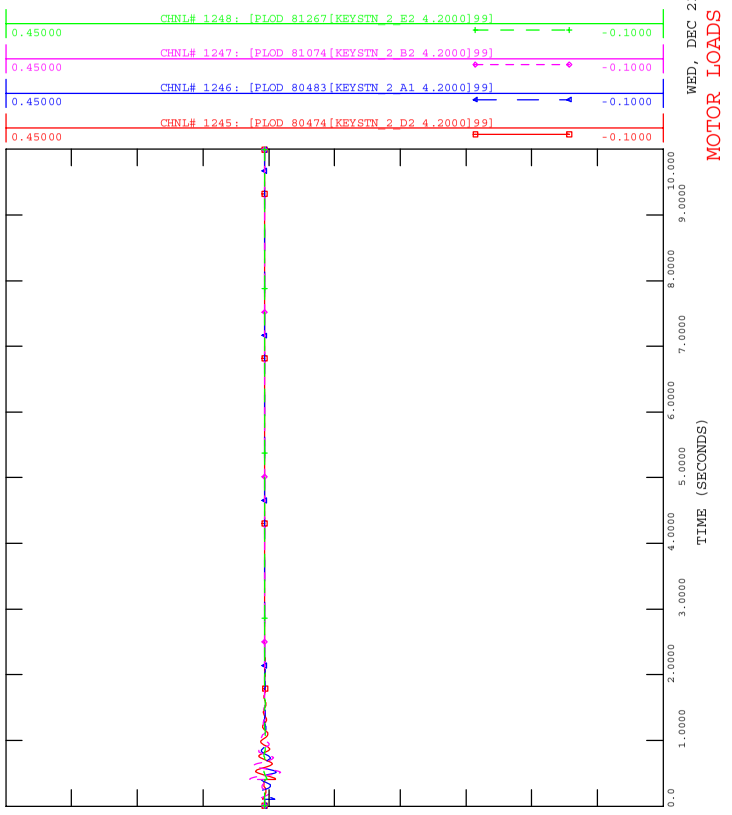


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: C7-14fault.out

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MOTOR LOADS GROUP II

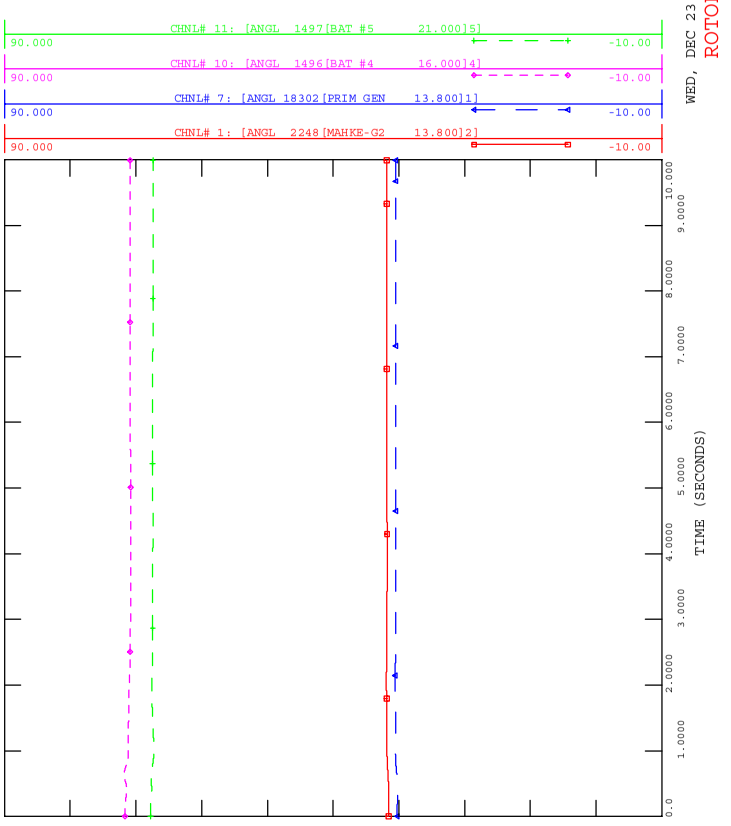


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

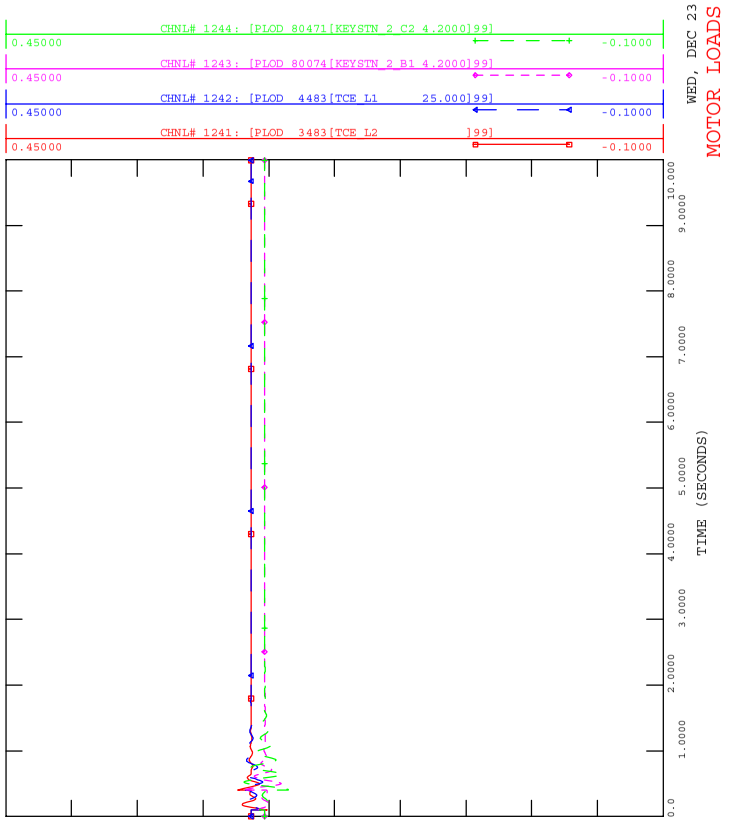


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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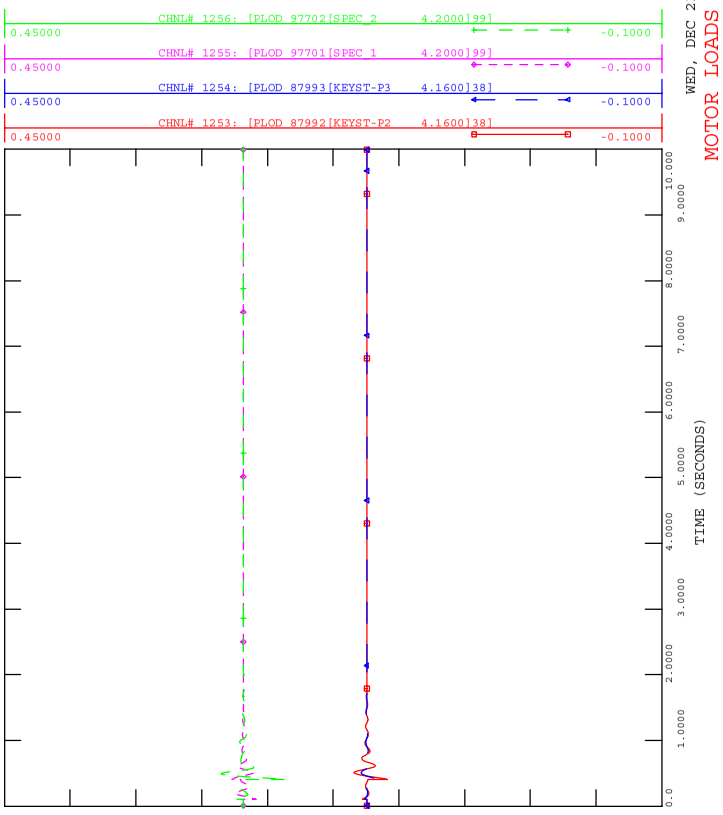
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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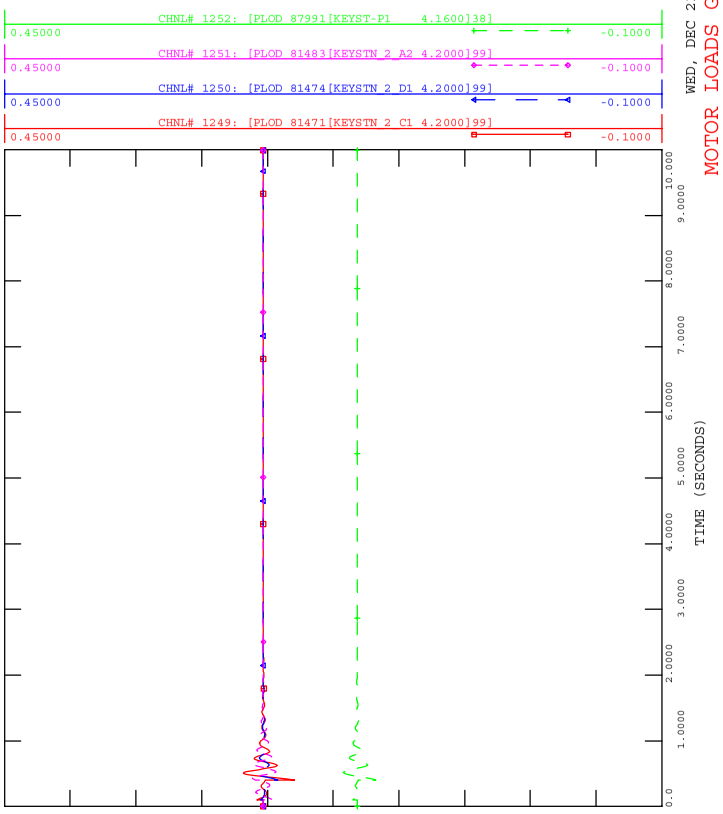


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MOTOR LOADS GROUP III

Dynamic Stability Plots

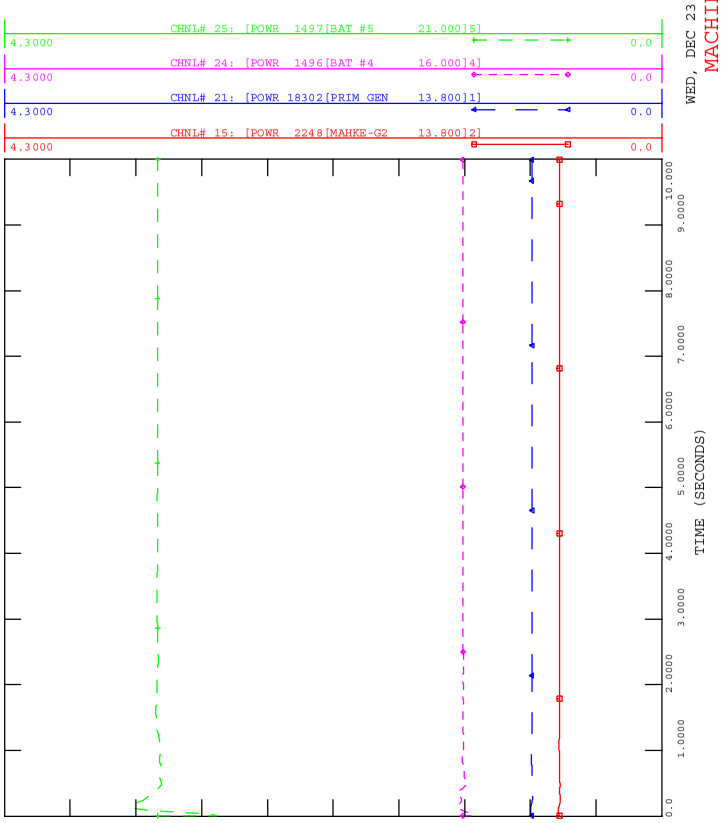
2017 Summer Light
Category D Contingencies

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

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MACHINE POWER

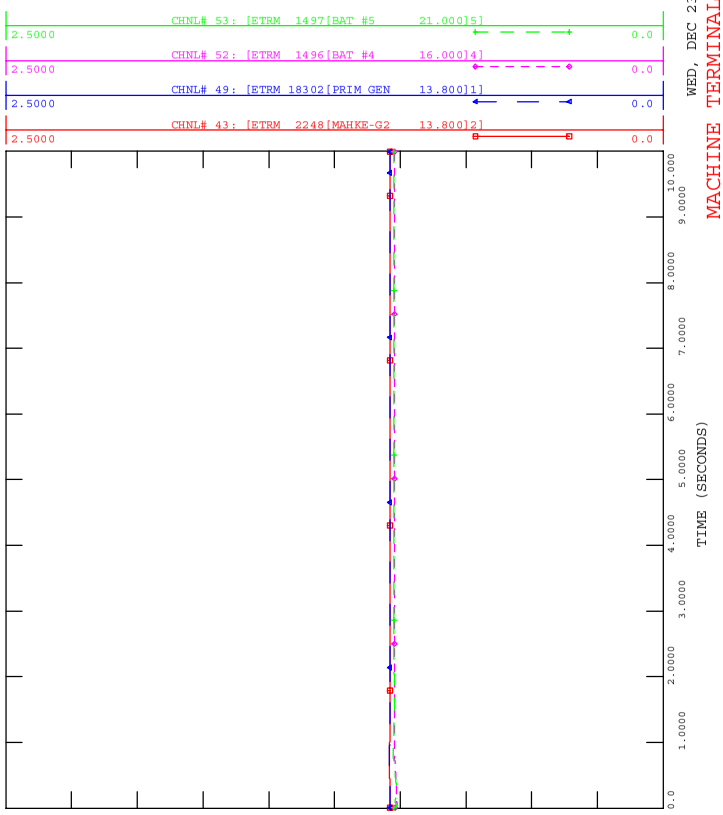


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

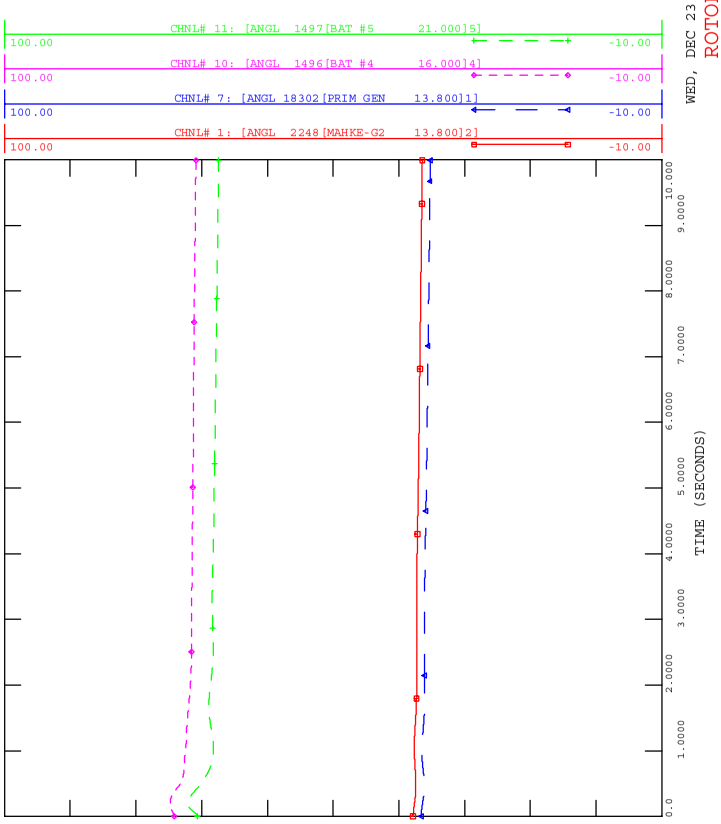


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

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ROTOR ANGLES

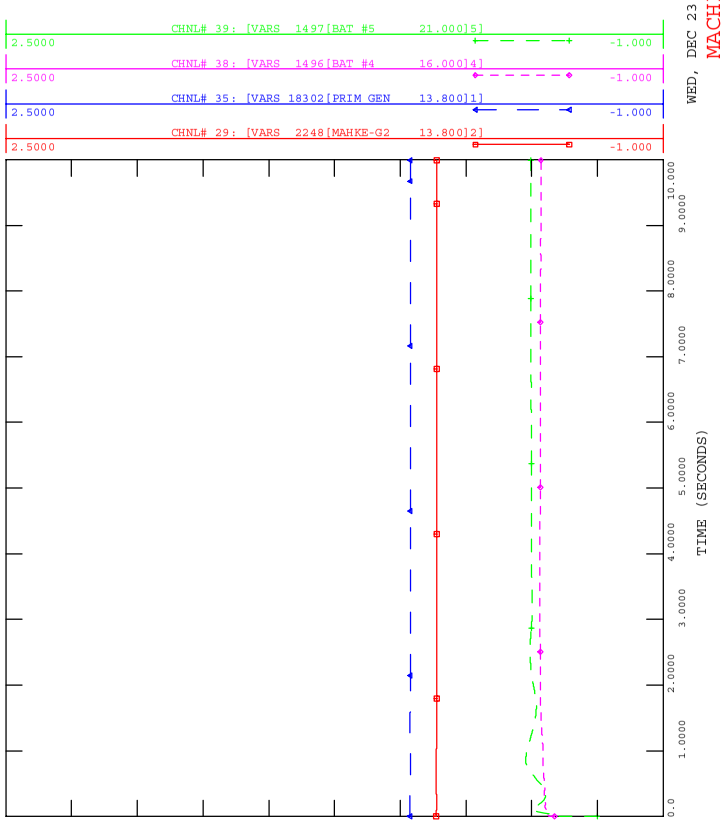


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

WED, DEC 23 2009 15:56

MACHINE VARS

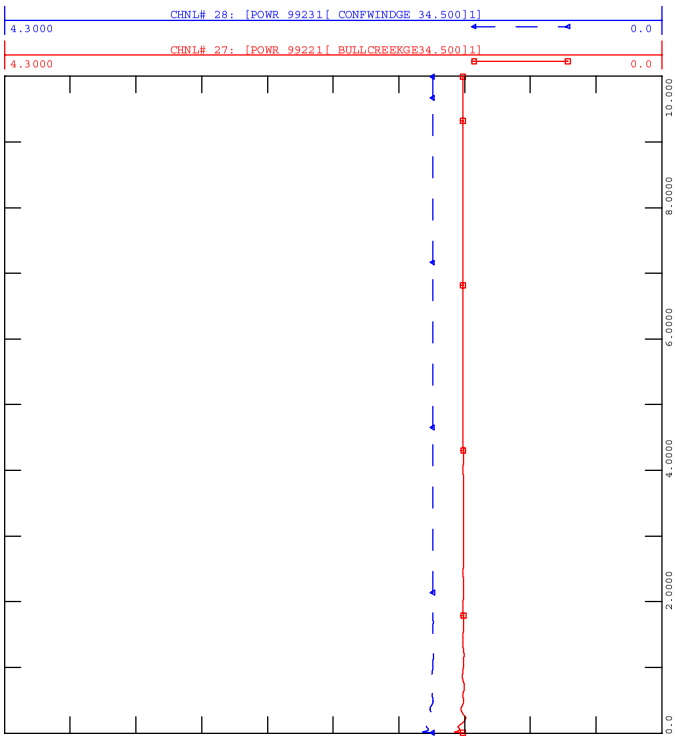


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

WED, DEC 23 2009 15:56

WIND MACHINE POWER

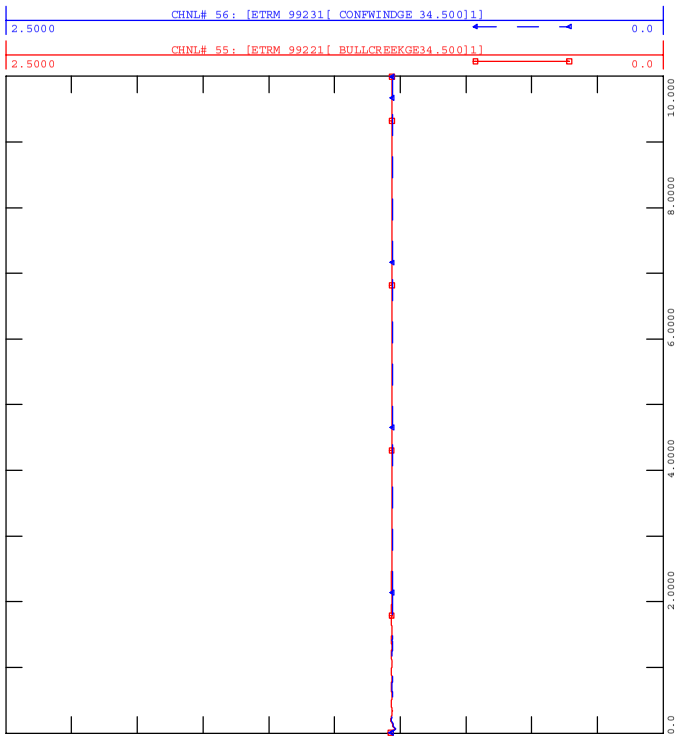


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

WED, DEC 23 2009 15:56

WIND MACH. TERMINAL VOLTS

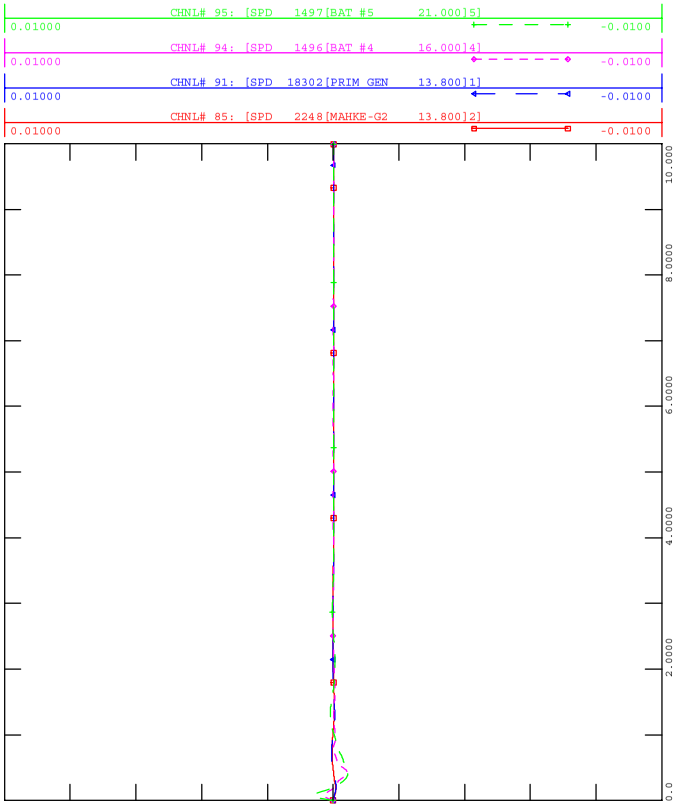


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

WED, DEC 23 2009 15:56

MACHINE SPEED

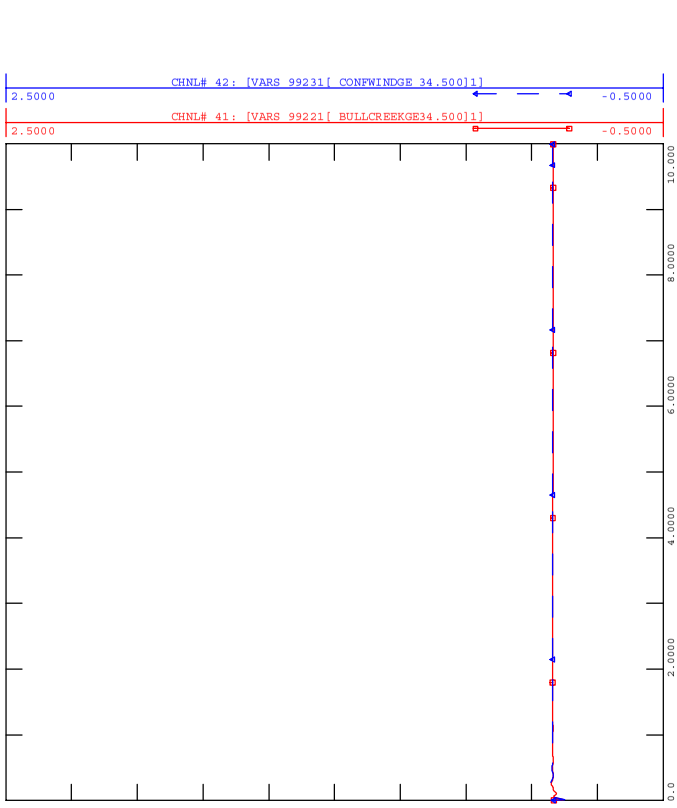


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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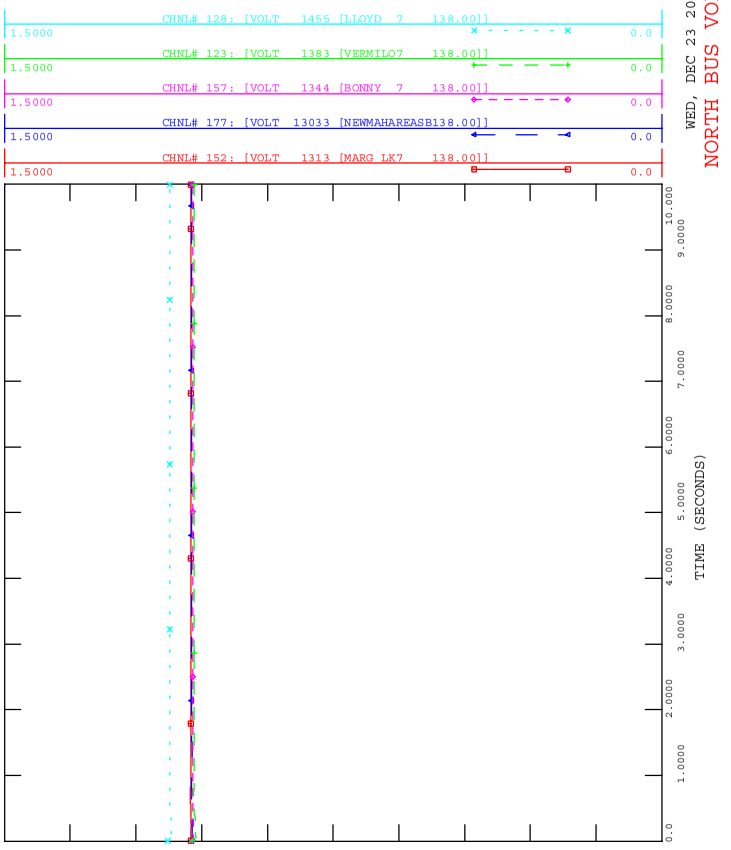
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

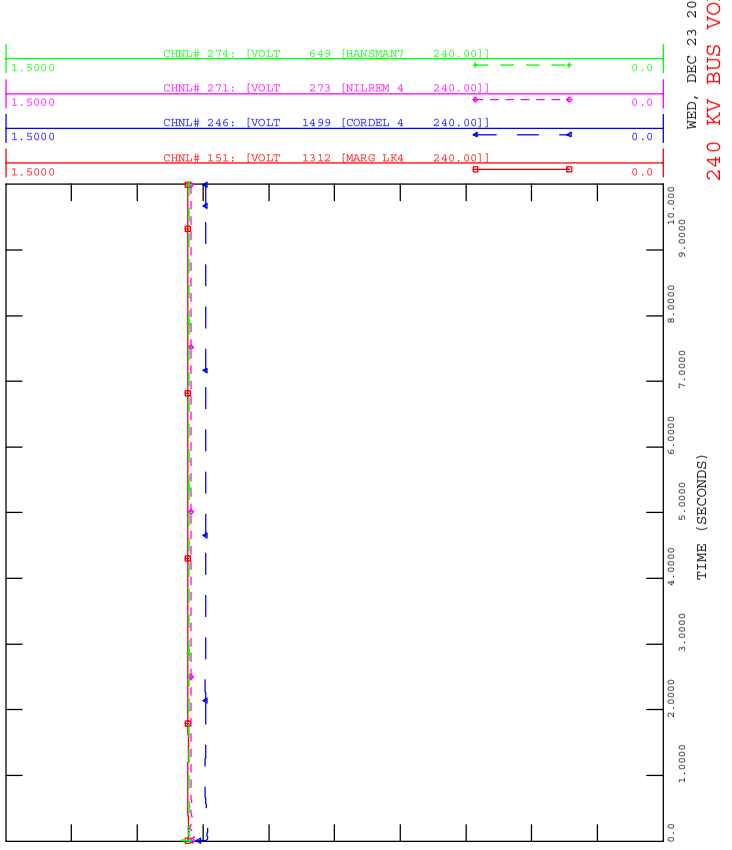


WED, DEC 23 2009 15:56

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

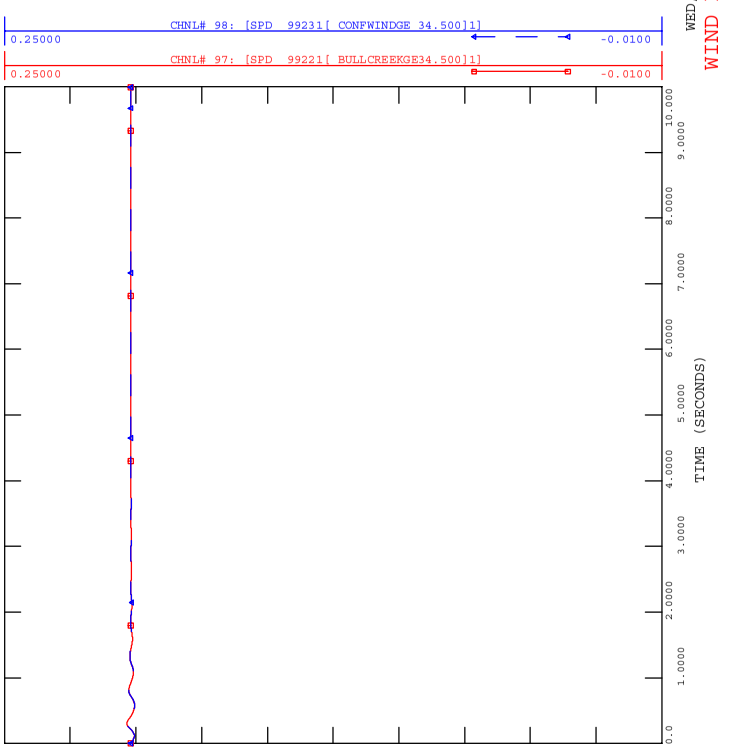


WED, DEC 23 2009 15:56

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

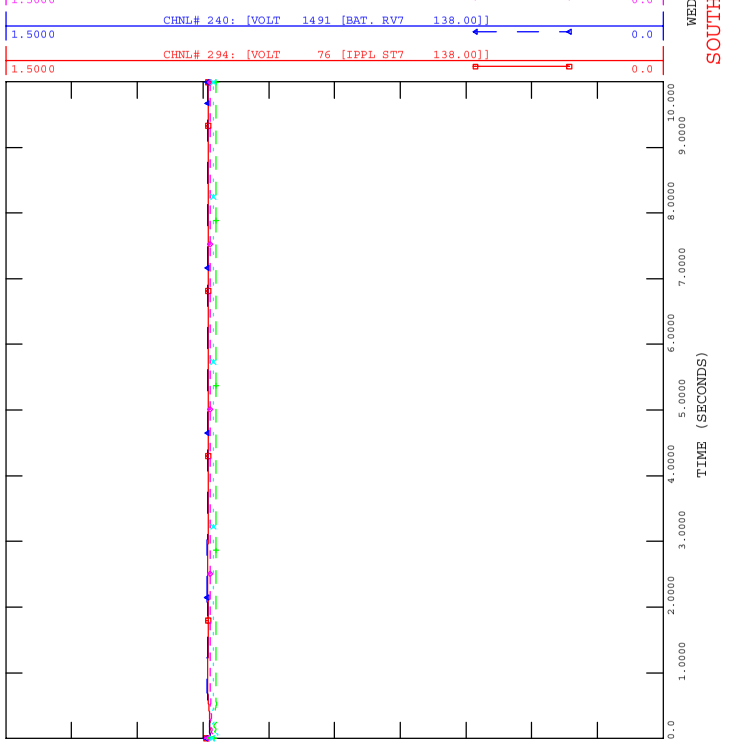


WED, DEC 23 2009 15:56

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

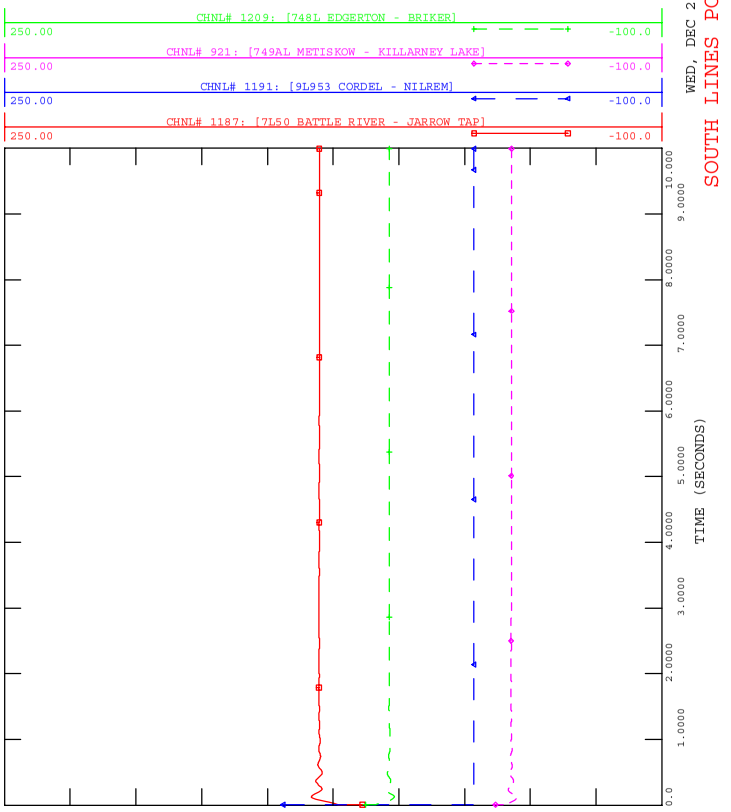


WED, DEC 23 2009 15:56

SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

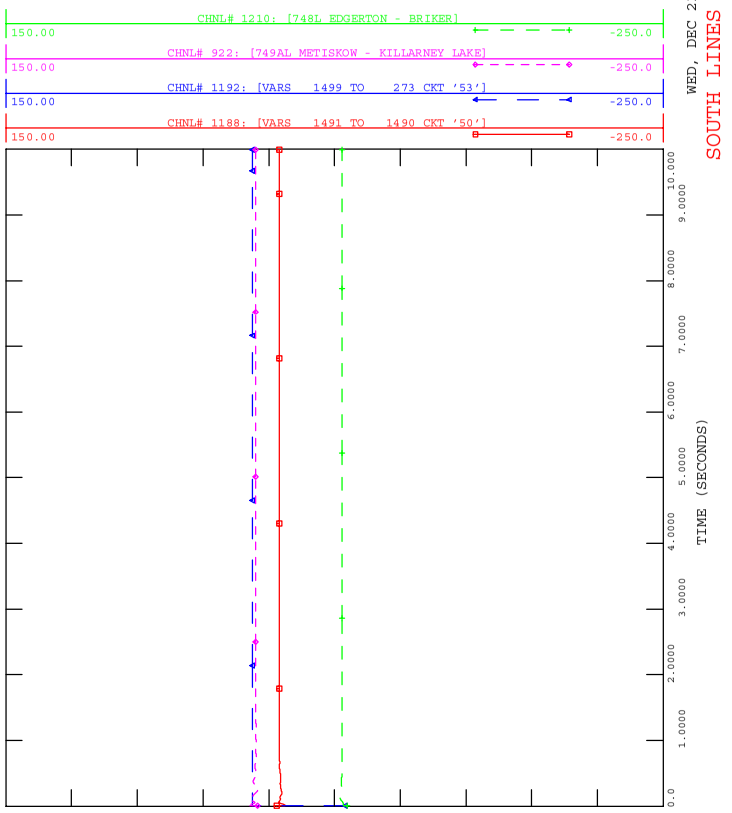


WED, DEC 23 2009 15:56

SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

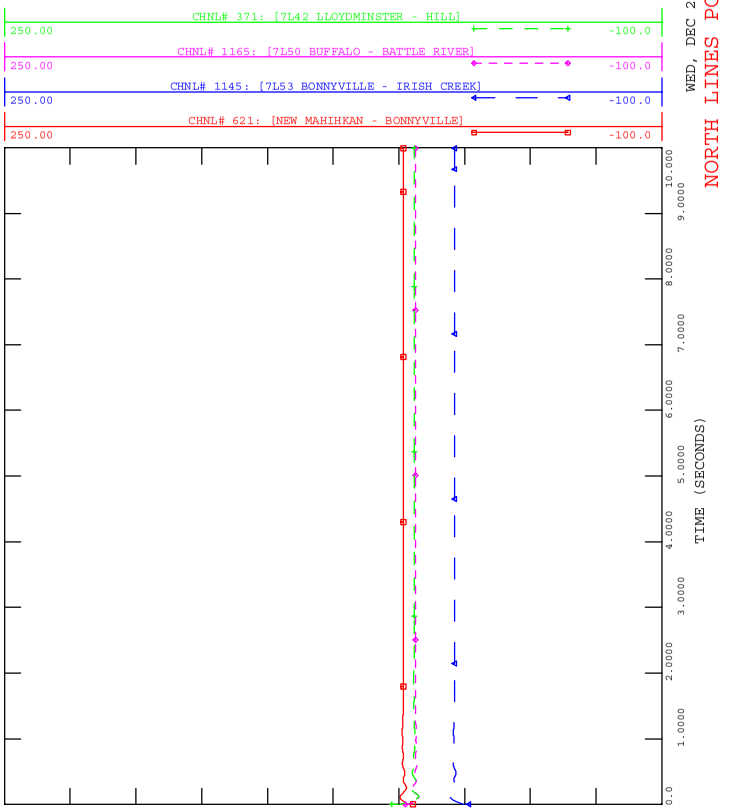


WED, DEC 23 2009 15:56

SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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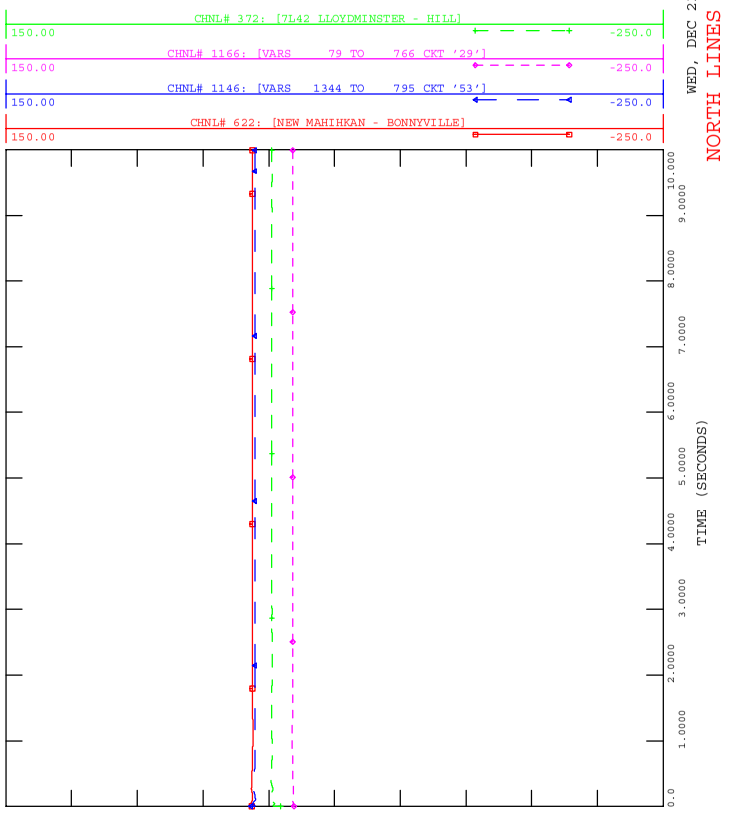


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NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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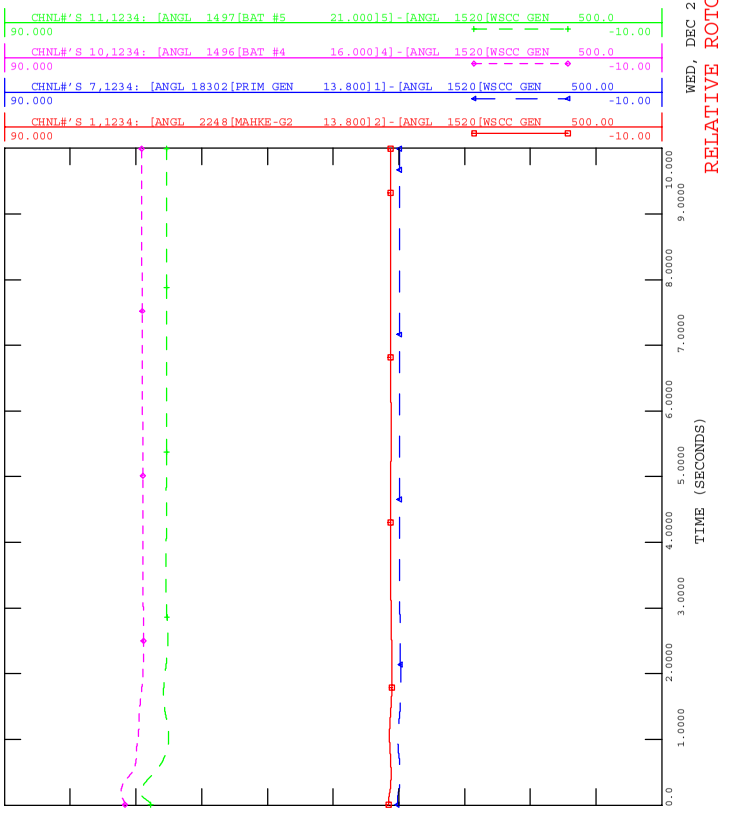


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NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

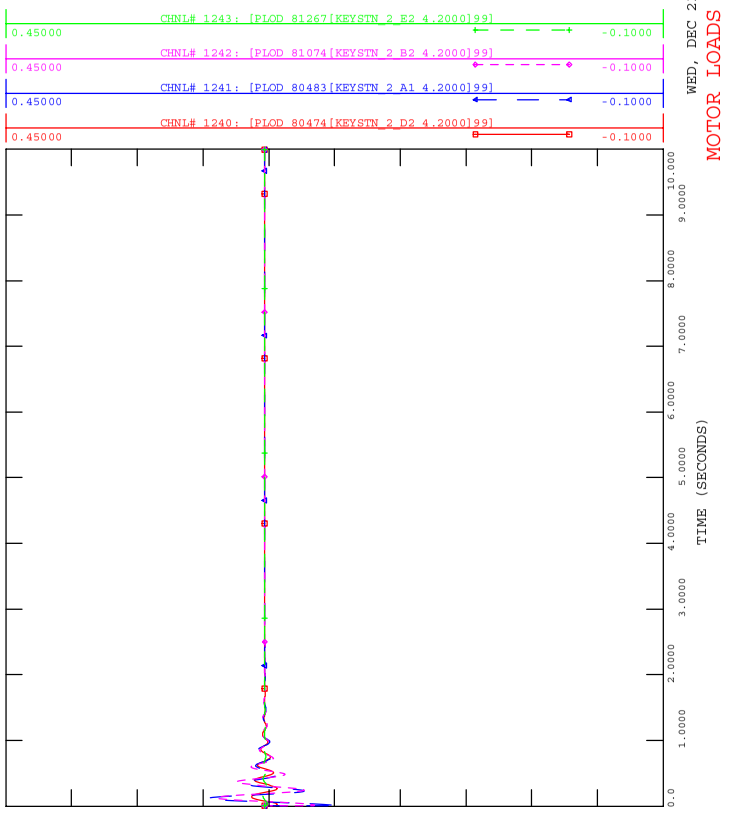


WED, DEC 23 2009 15:56

RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

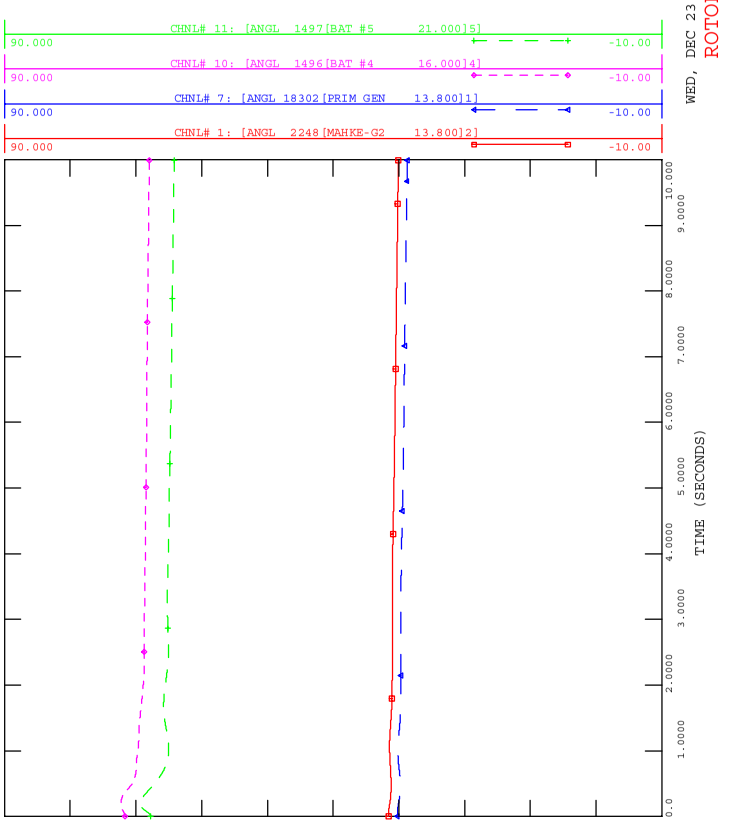


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MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

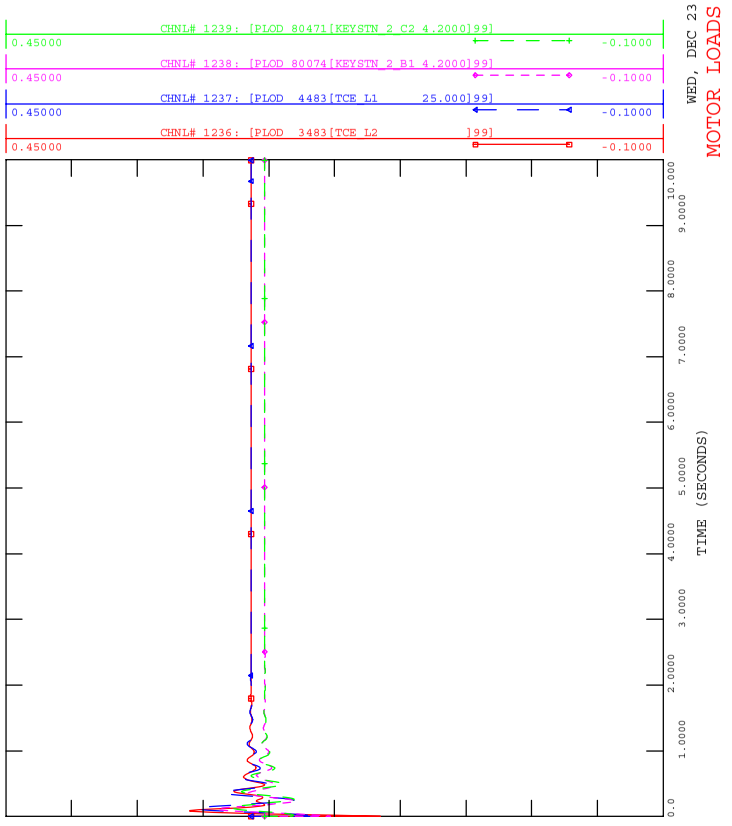


WED, DEC 23 2009 15:56

ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

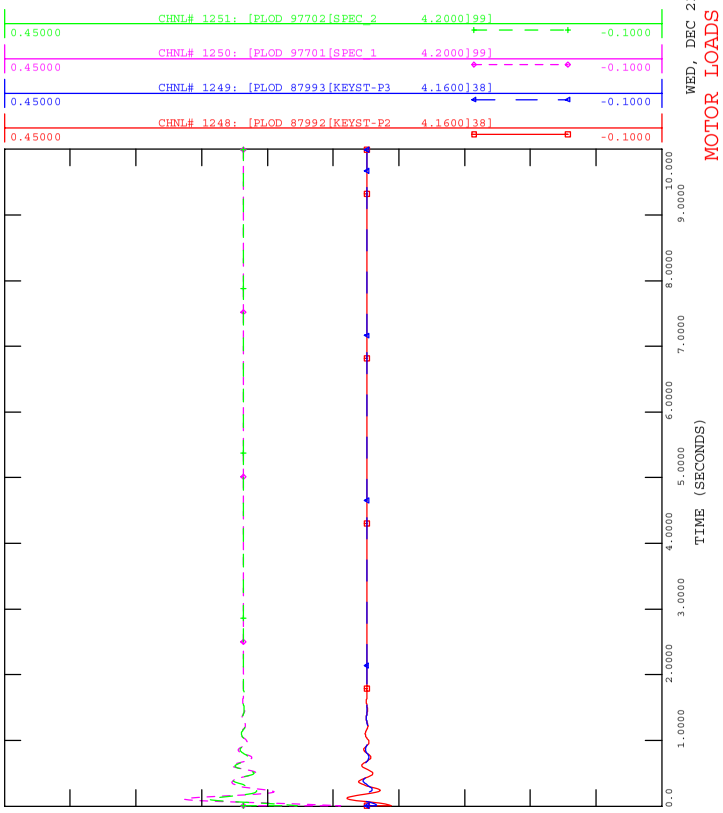


WED, DEC 23 2009 15:56

MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out

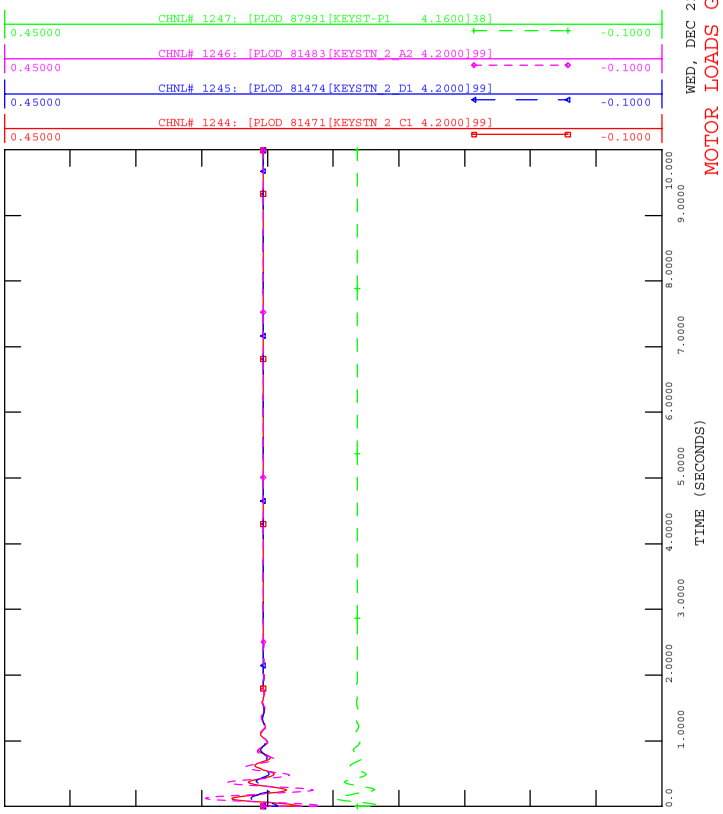


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-1Trip.out



WED, DEC 23 2009 15:56

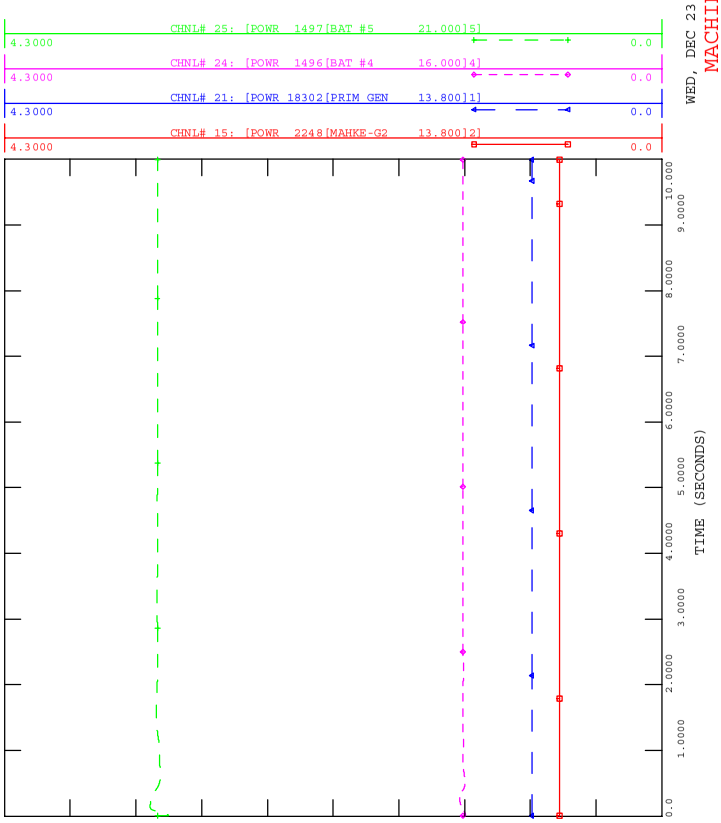
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

MACHINE POWER

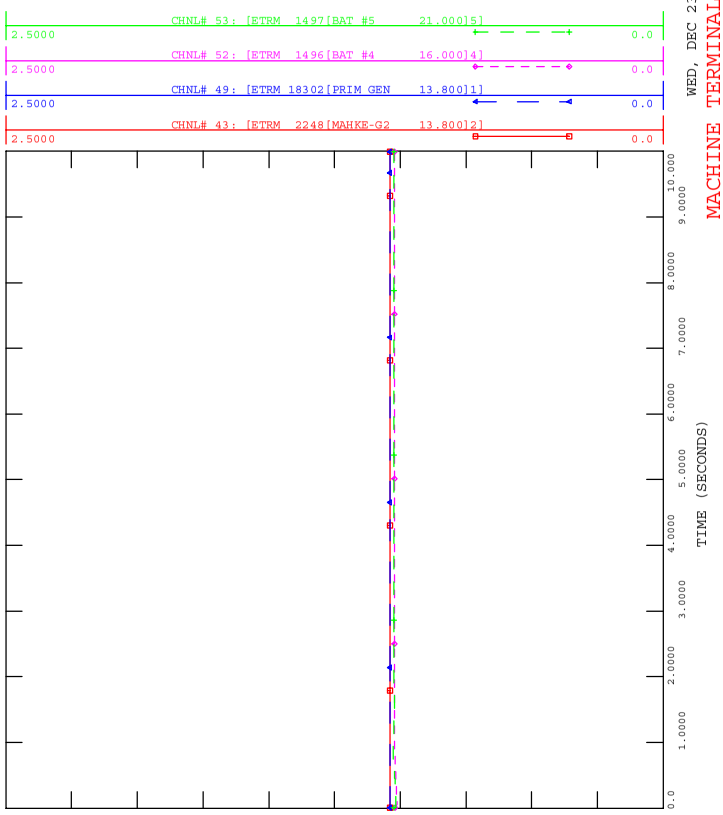


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

MACHINE TERMINAL VOLTAGE

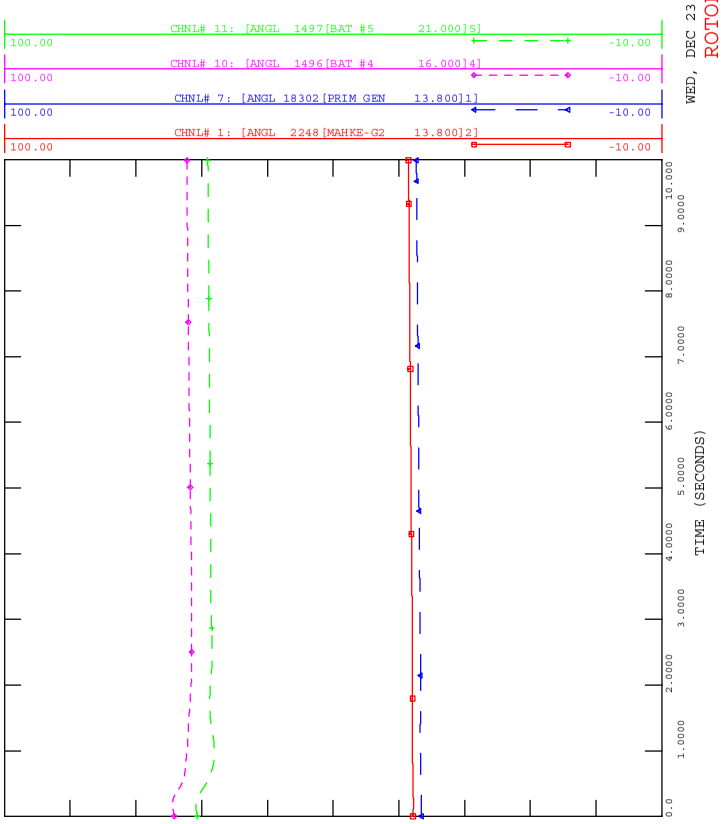


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

ROTOR ANGLES

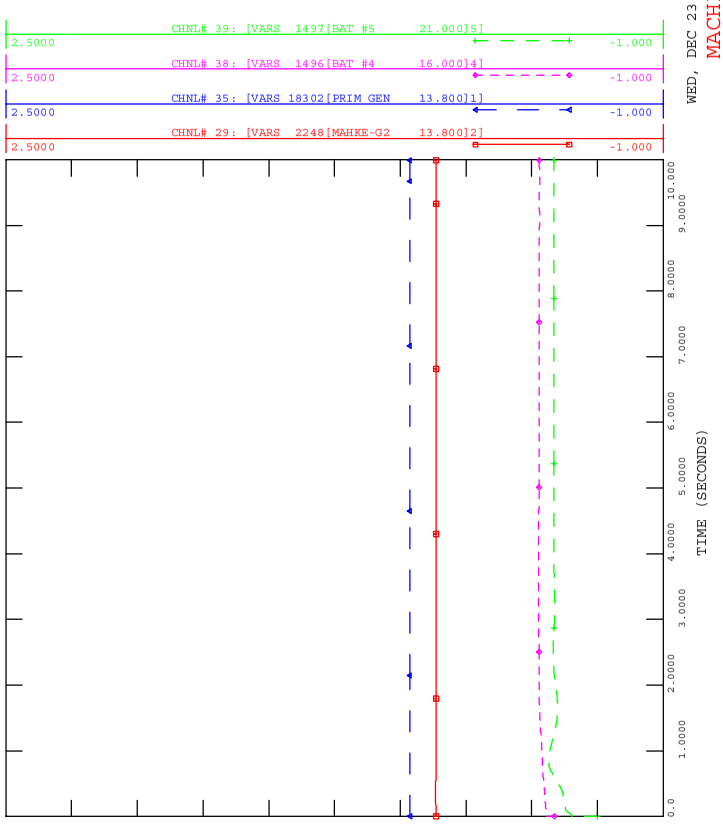


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

MACHINE VARS

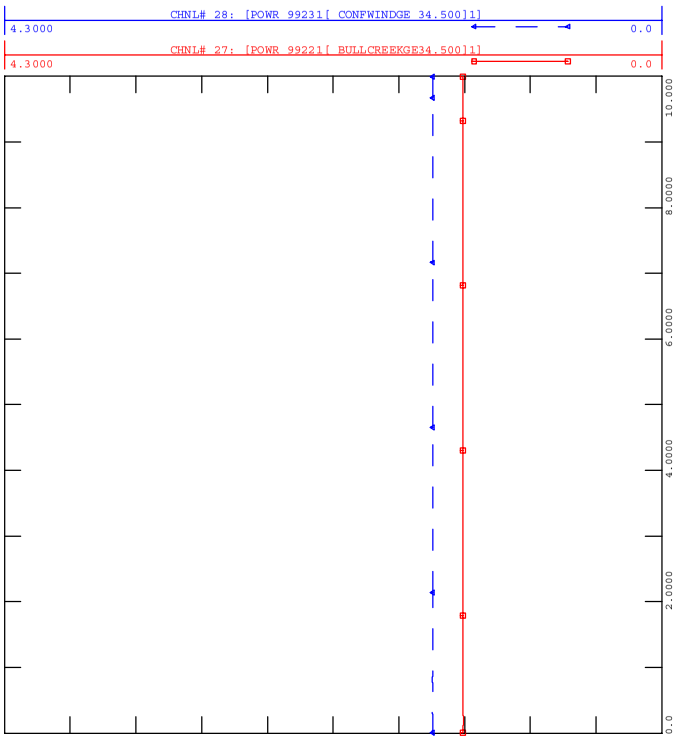


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

WIND MACHINE POWER

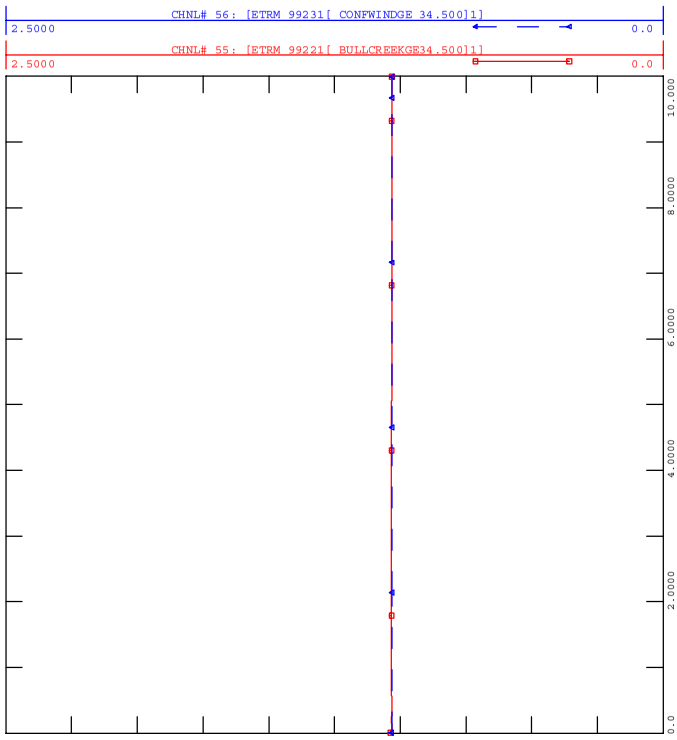


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

WIND MACH. TERMINAL VOLTS

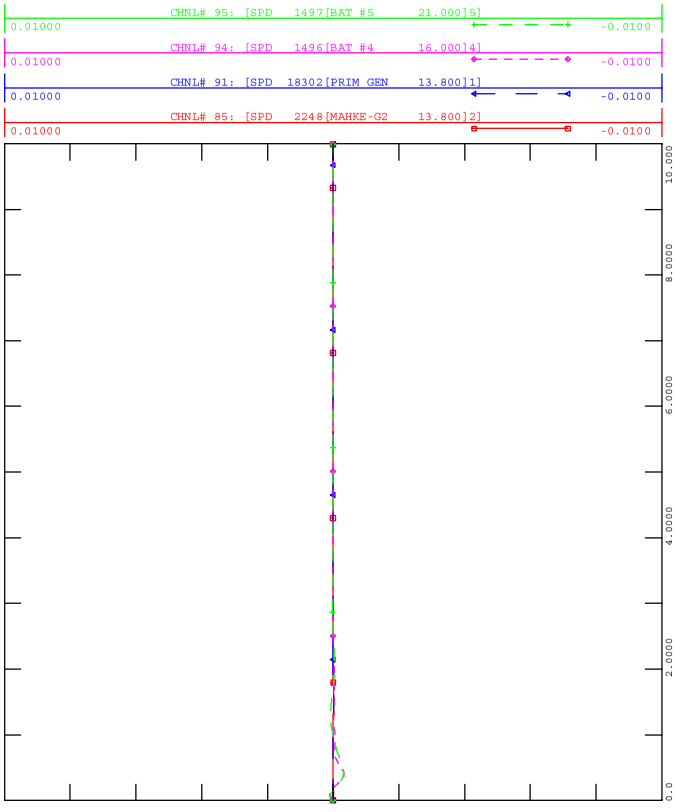


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

MACHINE SPEED

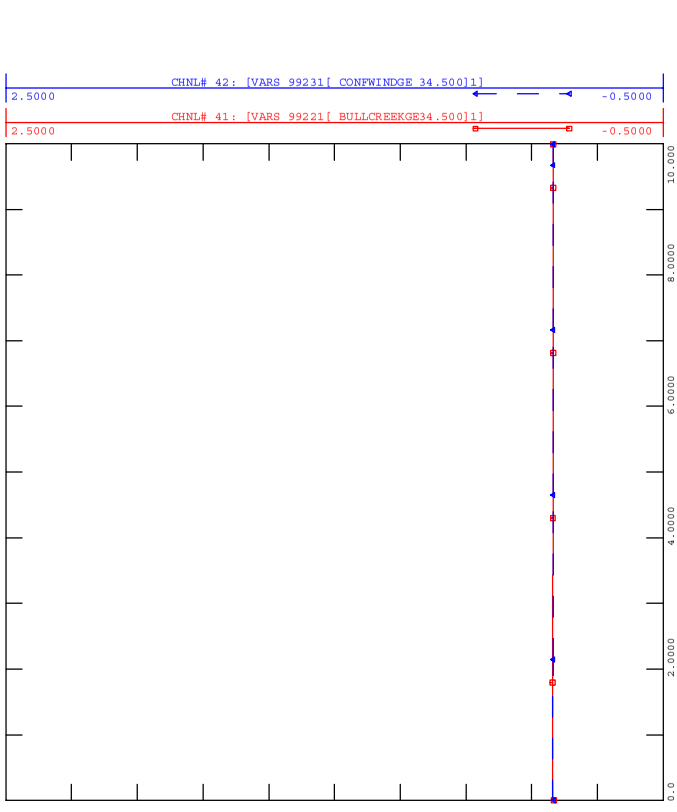


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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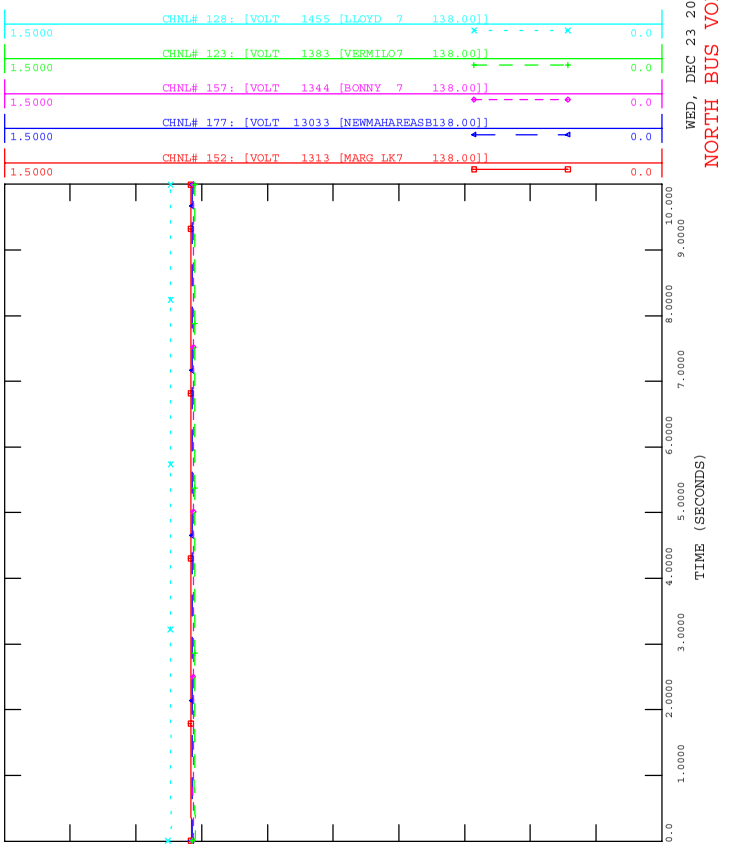
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

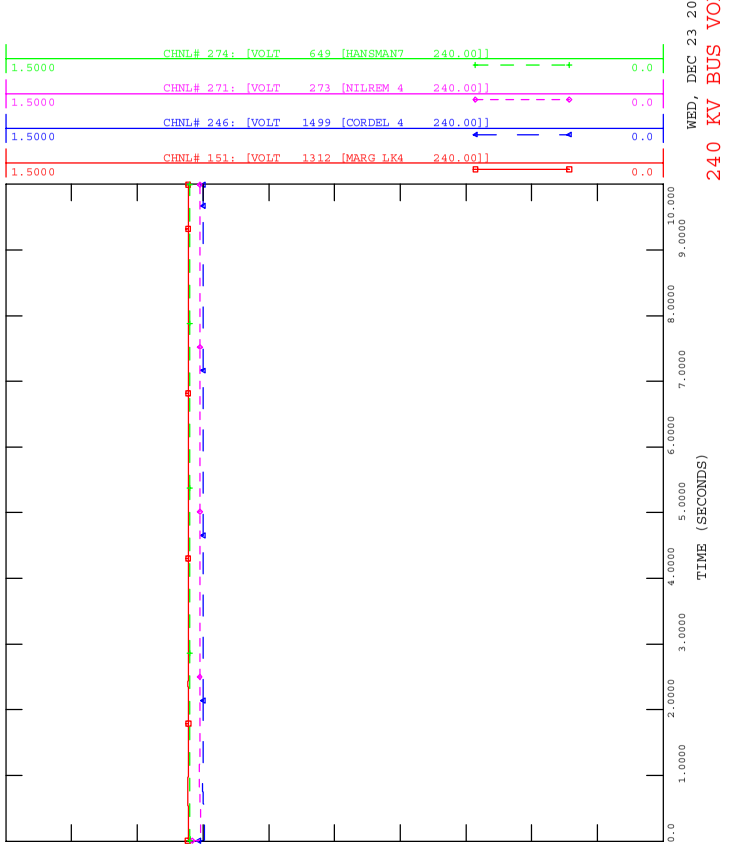


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

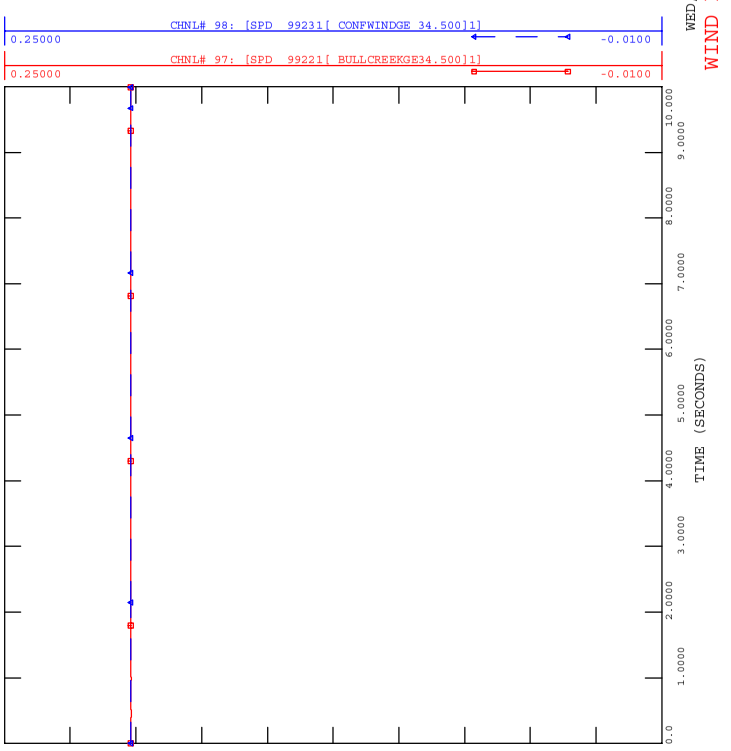


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240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

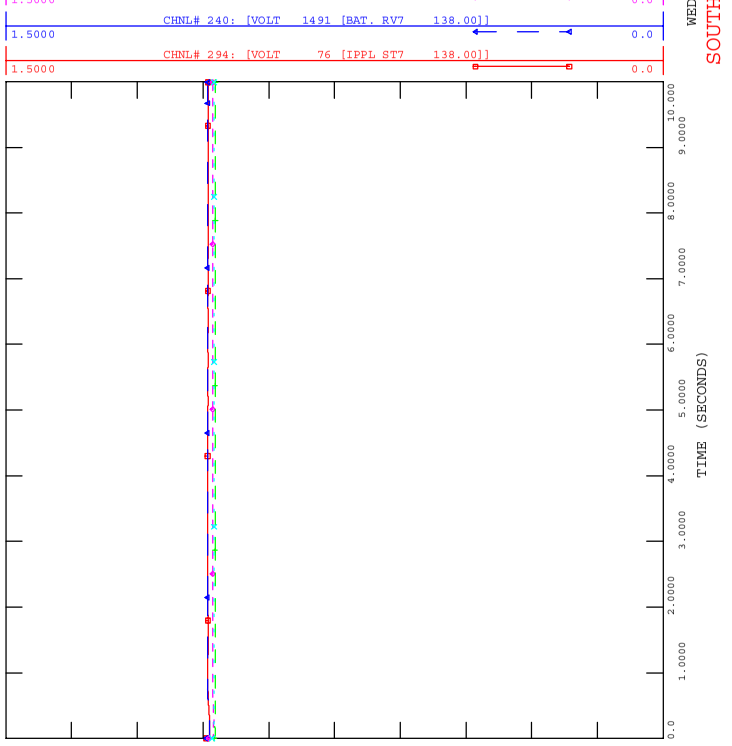


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out



WED, DEC 23 2009 15:56

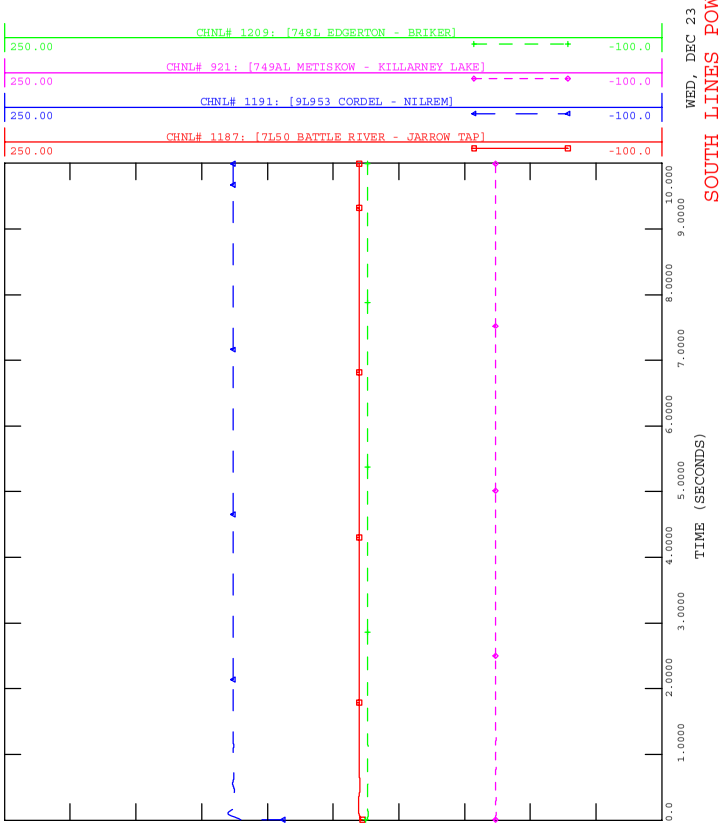
SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

SOUTH LINES POWER FLOW

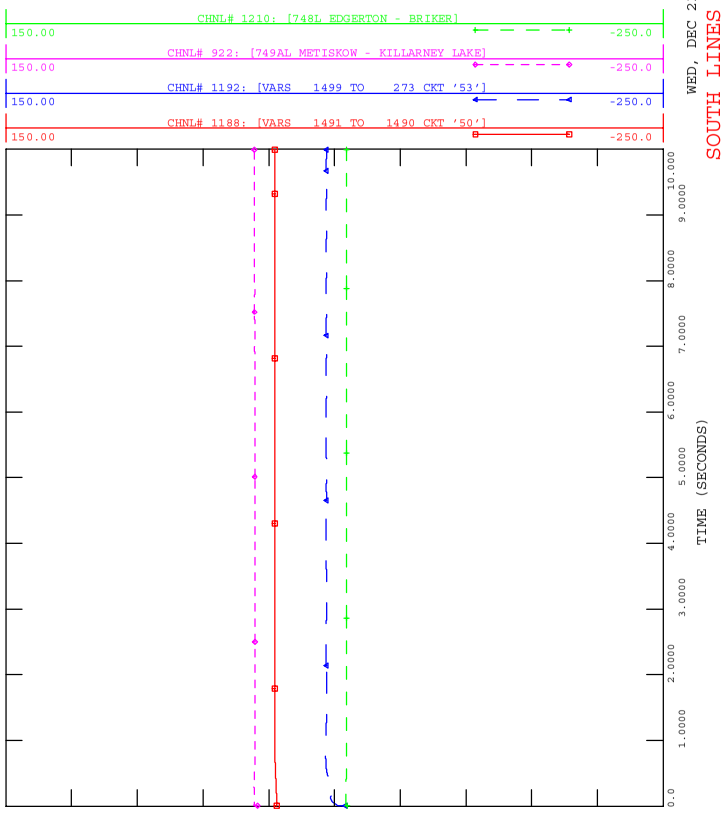


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

SOUTH LINES VAR FLOW

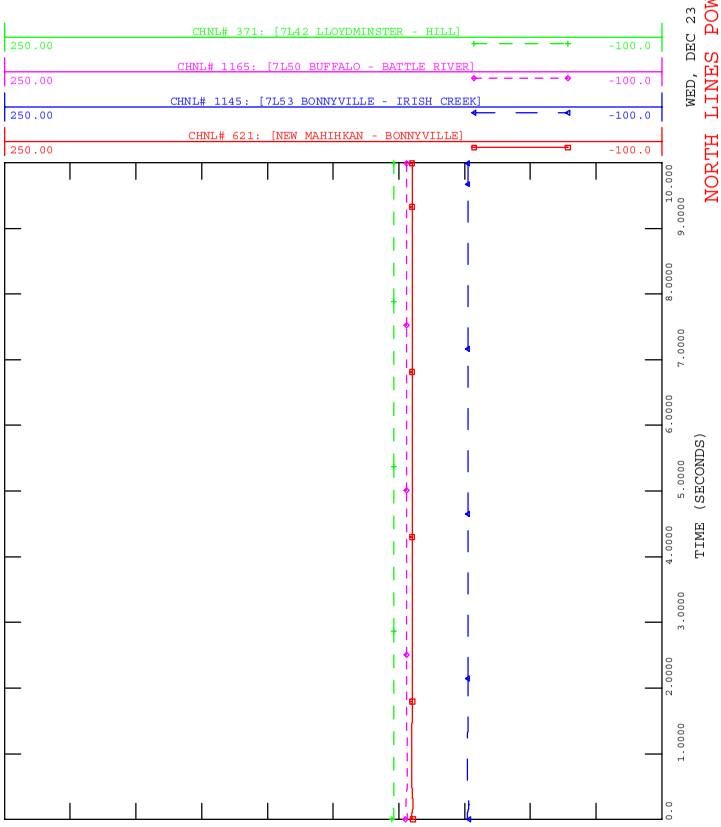


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

NORTH LINES POWER FLOW

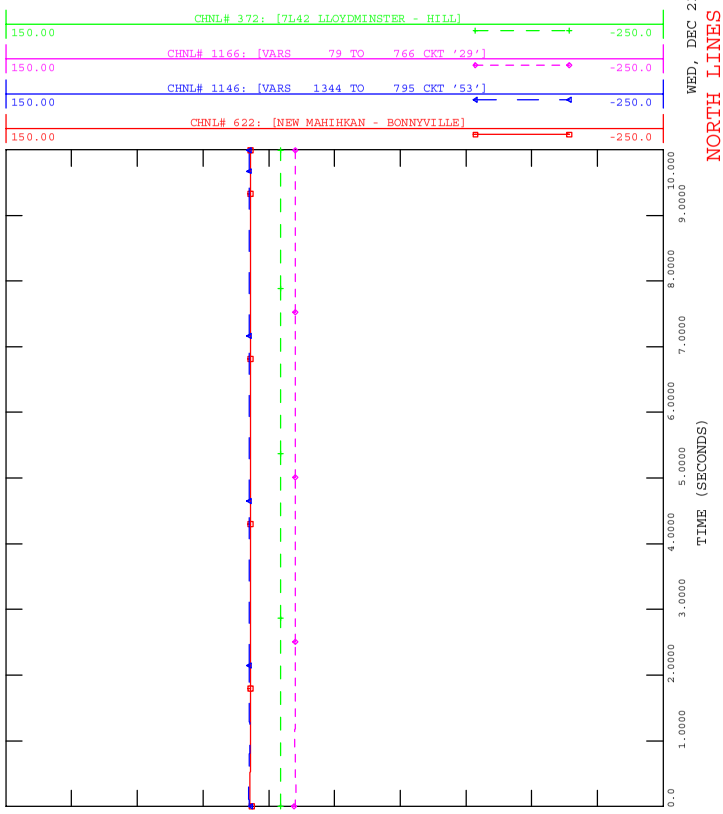


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

NORTH LINES VAR FLOW



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

RELATIVE ROTOR ANGLES

CHNL#'S 11,1234: [ANGL 1497[BAT #5 21.000]5]-[ANGL 1520[WSCC GEN 500.0
90.000 -10.00
CHNL#'S 10,1234: [ANGL 1496[BAT #4 16.000]4]-[ANGL 1520[WSCC GEN 500.0
90.000 -10.00
CHNL#'S 7,1234: [ANGL 18302[PRIM GEN 13.800]1]-[ANGL 1520[WSCC GEN 500.00
90.000 -10.00
CHNL#'S 1,1234: [ANGL 2248[MAHKE-G2 13.800]2]-[ANGL 1520[WSCC GEN 500.00
90.000 -10.00

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

MOTOR LOADS GROUP II

CHNL# 1243: [PLOD 81267[KEYSTN 2 E2 4.2000]99]
0.45000 -0.1000
CHNL# 1242: [PLOD 81074[KEYSTN 2 B2 4.2000]99]
0.45000 -0.1000
CHNL# 1241: [PLOD 80483[KEYSTN 2 A1 4.2000]99]
0.45000 -0.1000
CHNL# 1240: [PLOD 80474[KEYSTN 2 D2 4.2000]99]
0.45000 -0.1000

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

ROTOR ANGLES

CHNL# 11: [ANGL 1497[BAT #5 21.000]5]
90.000 -10.00
CHNL# 10: [ANGL 1496[BAT #4 16.000]4]
90.000 -10.00
CHNL# 7: [ANGL 18302[PRIM GEN 13.800]1]
90.000 -10.00
CHNL# 1: [ANGL 2248[MAHKE-G2 13.800]2]
90.000 -10.00

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

WED, DEC 23 2009 15:56

MOTOR LOADS GROUP I

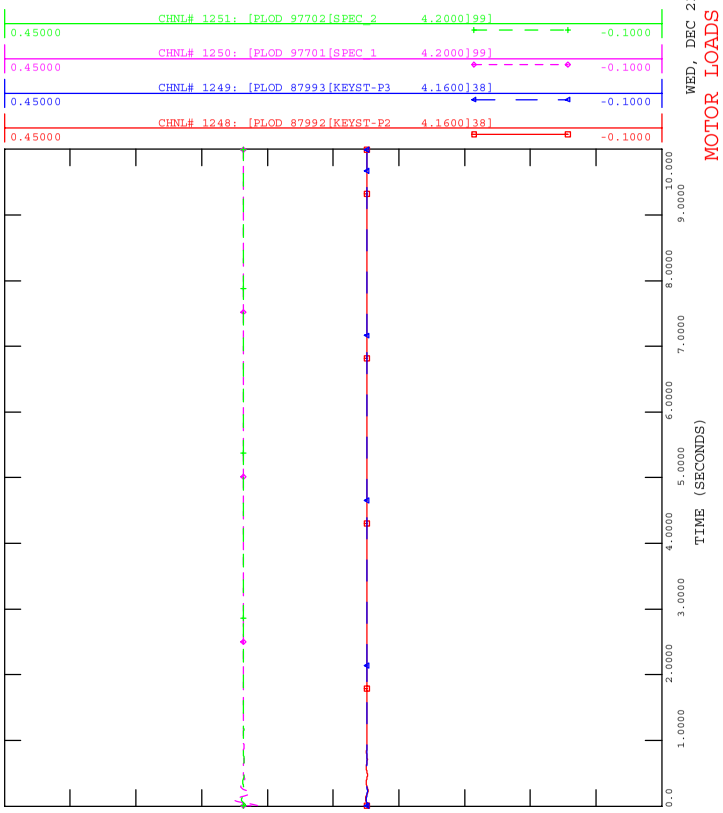
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0.45000 -0.1000
CHNL# 1238: [PLOD 80074[KEYSTN 2 B1 4.2000]99]
0.45000 -0.1000
CHNL# 1237: [PLOD 4483[TCE L1 25.000]99]
0.45000 -0.1000
CHNL# 1236: [PLOD 3483[TCE L2]99]
0.45000 -0.1000

0.0 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.000

TIME (SECONDS)

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out

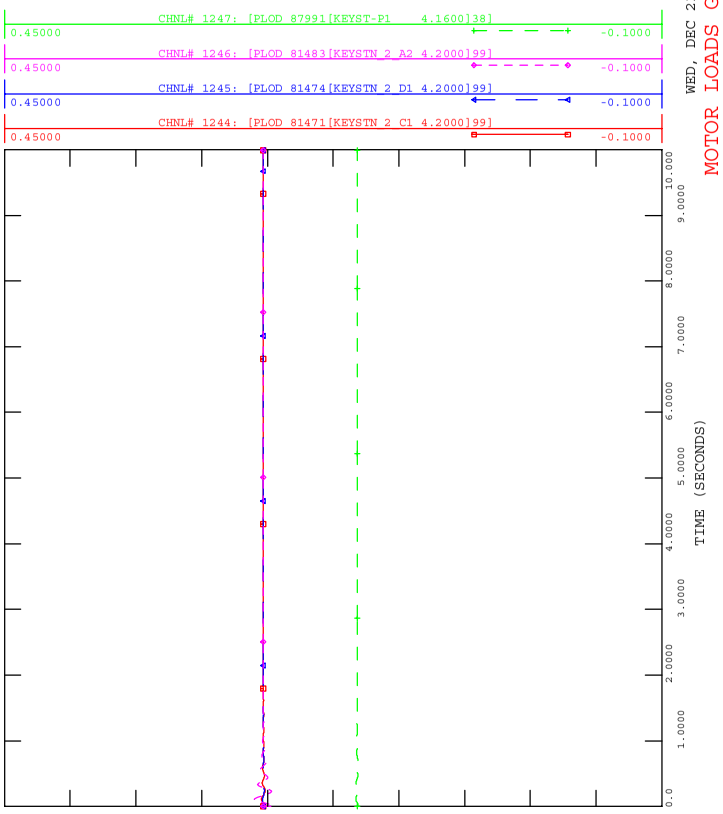


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D7-2Trip.out



WED, DEC 23 2009 15:56

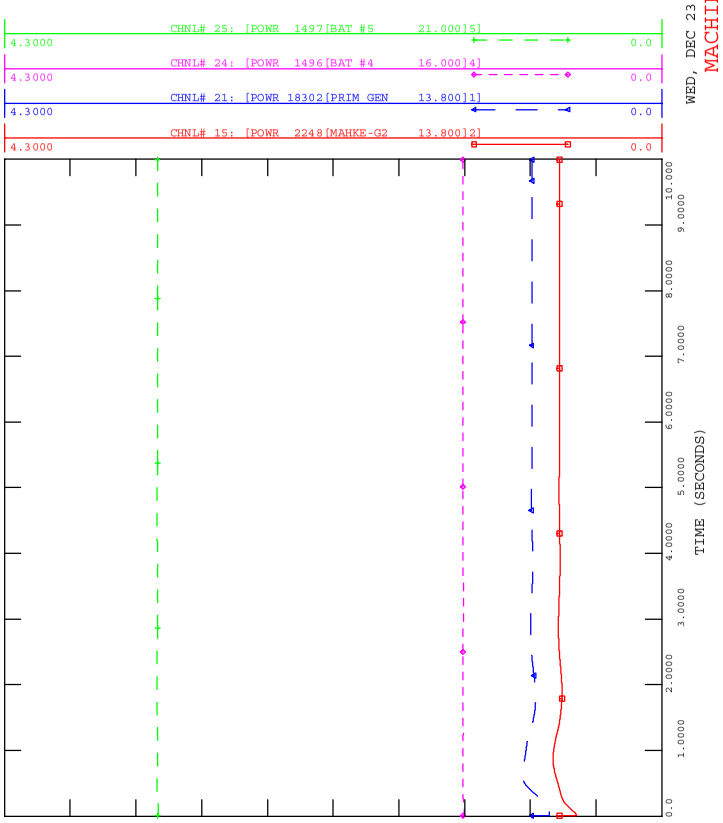
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

MACHINE POWER

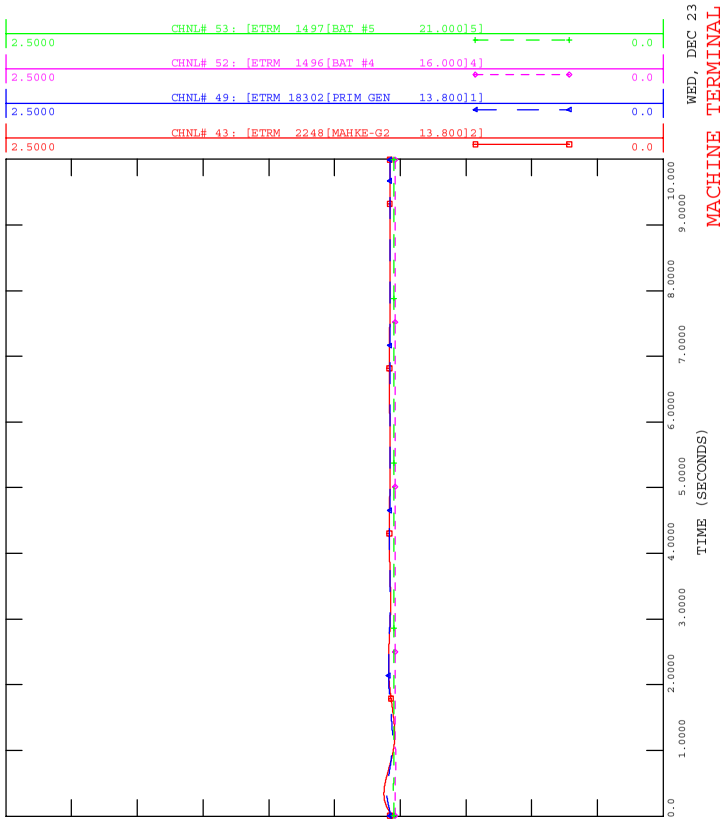


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

MACHINE TERMINAL VOLTAGE

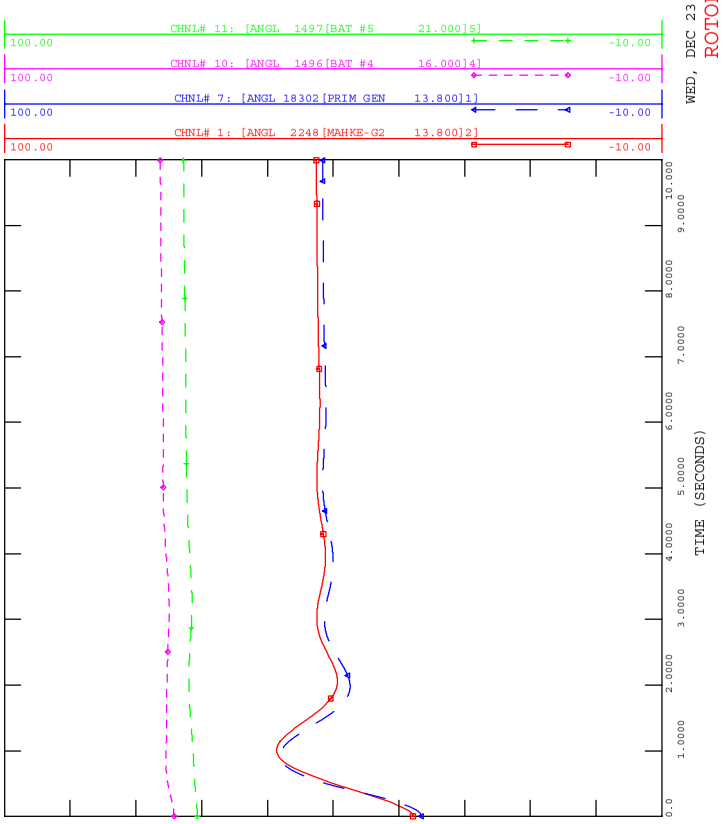


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

ROTOR ANGLES

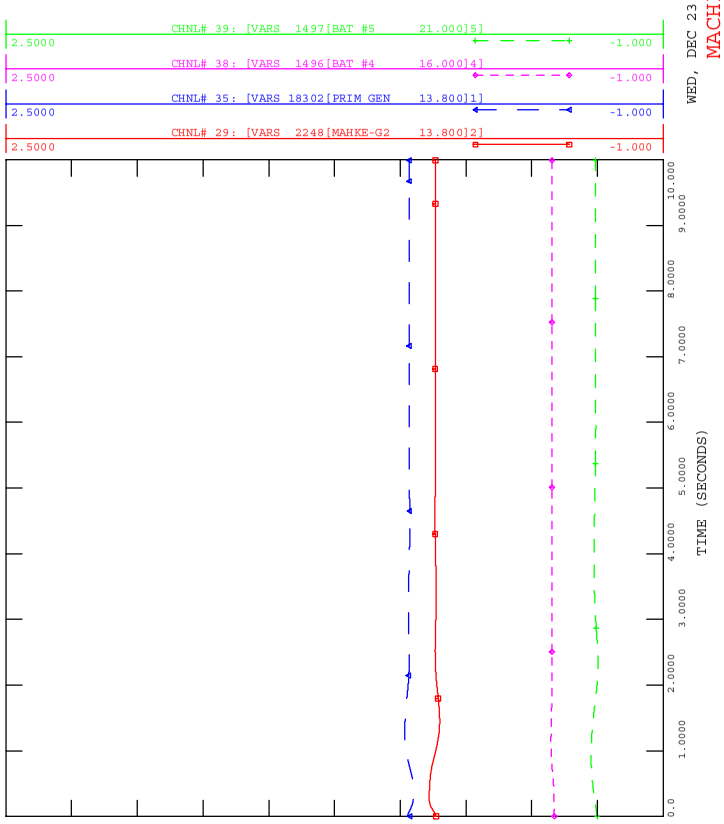


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

MACHINE VARS

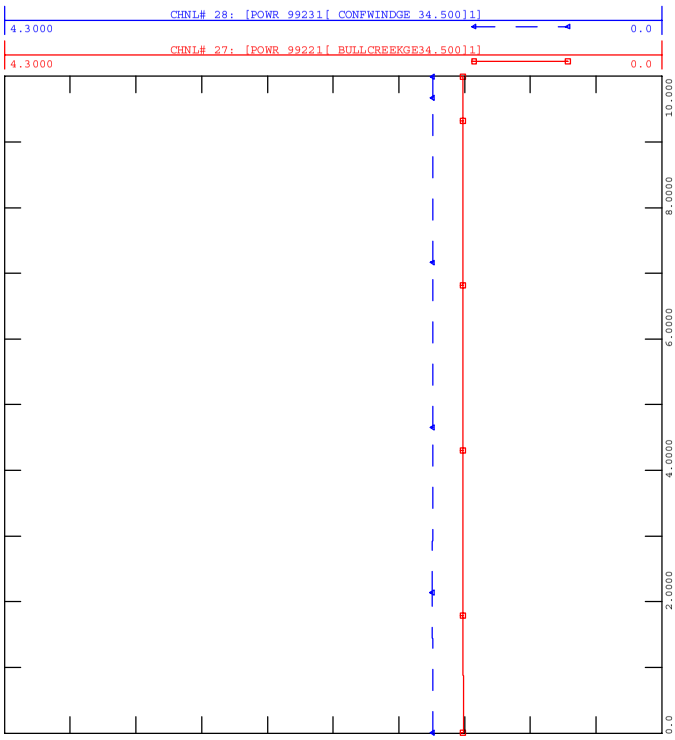


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

WIND MACHINE POWER

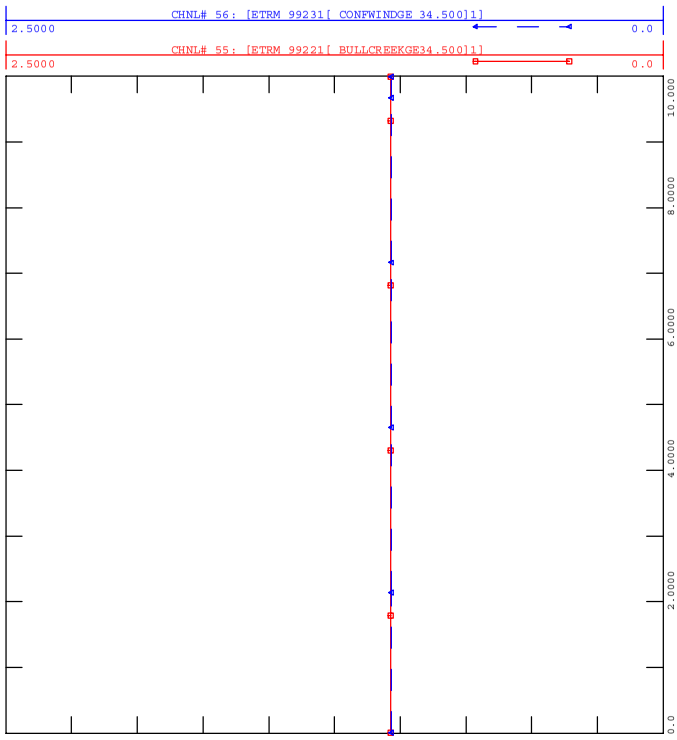


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

WIND MACH. TERMINAL VOLTS

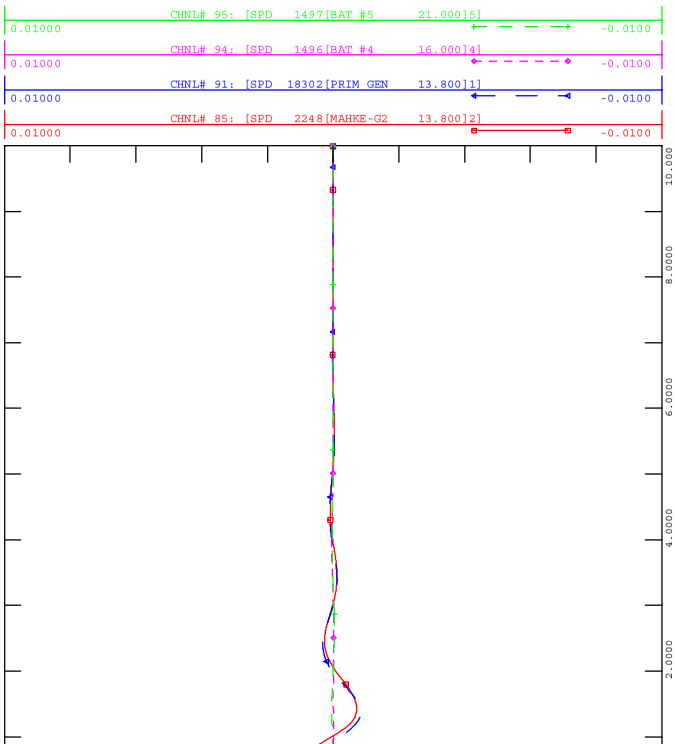


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

WED, DEC 23 2009 15:56

MACHINE SPEED

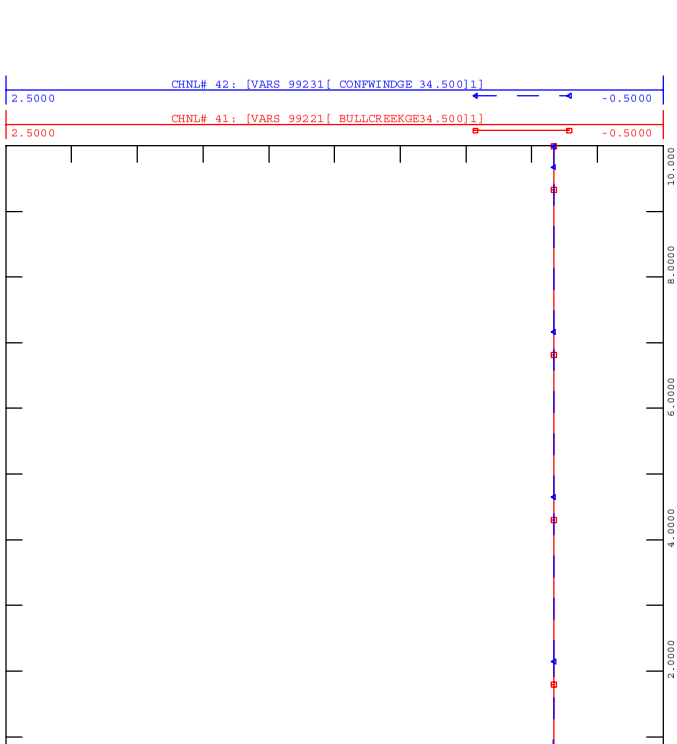


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

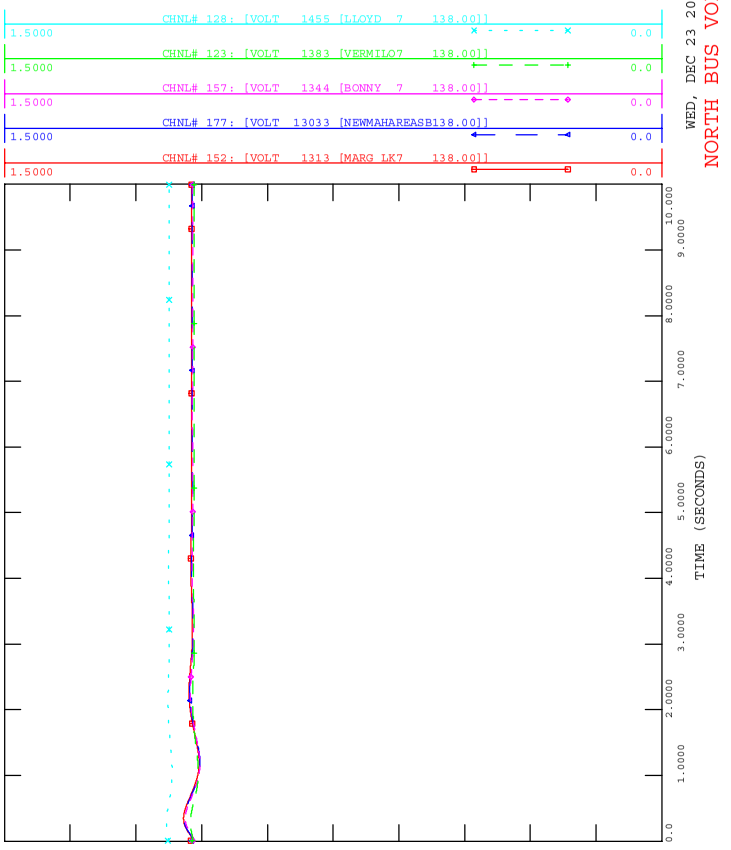
WED, DEC 23 2009 15:56

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

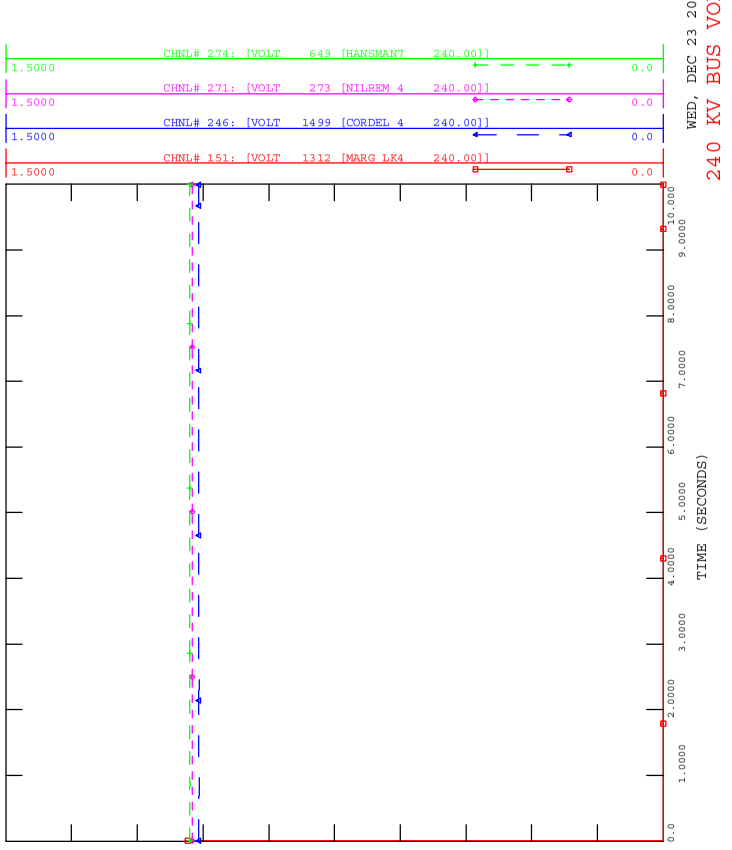


WED, DEC 23 2009 15:56

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

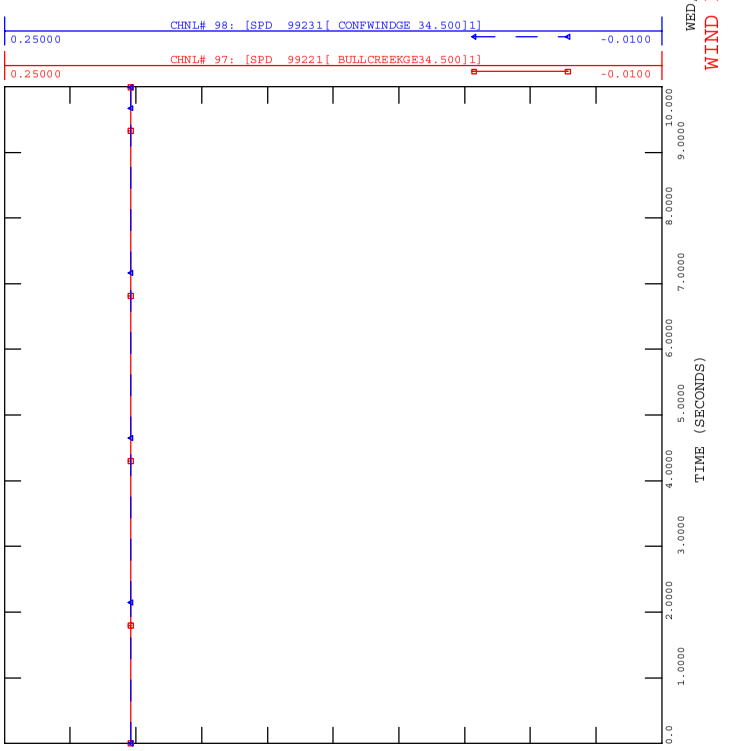


WED, DEC 23 2009 15:56

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

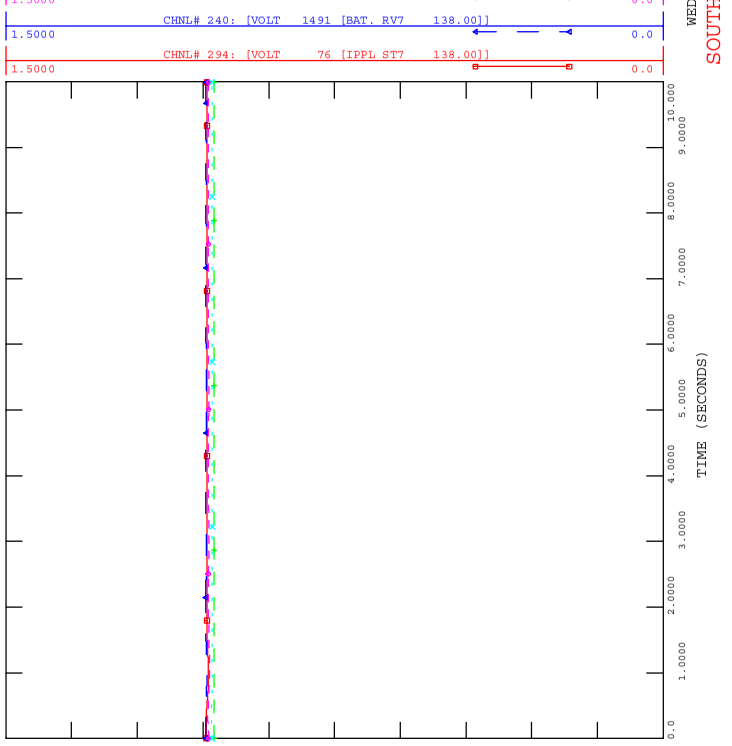


WED, DEC 23 2009 15:56

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out

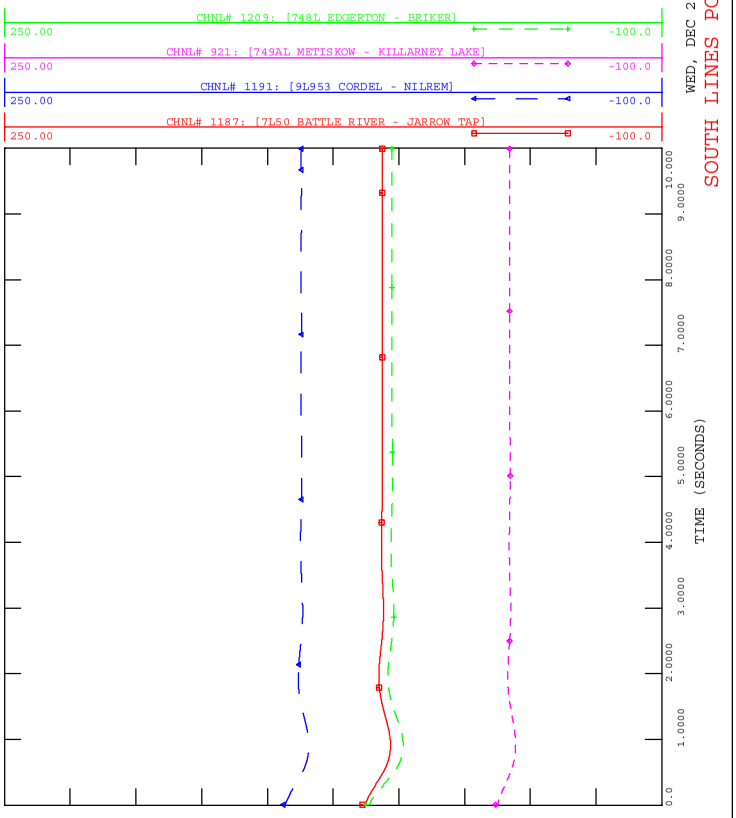


WED, DEC 23 2009 15:56

SOUTH BUS VOLTAGES

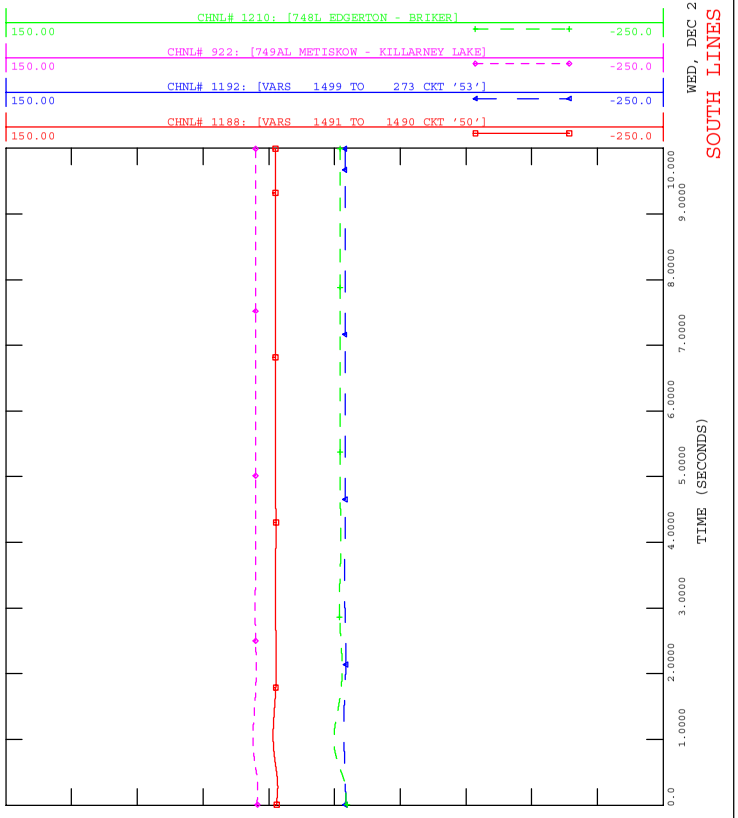
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-1Trip.out



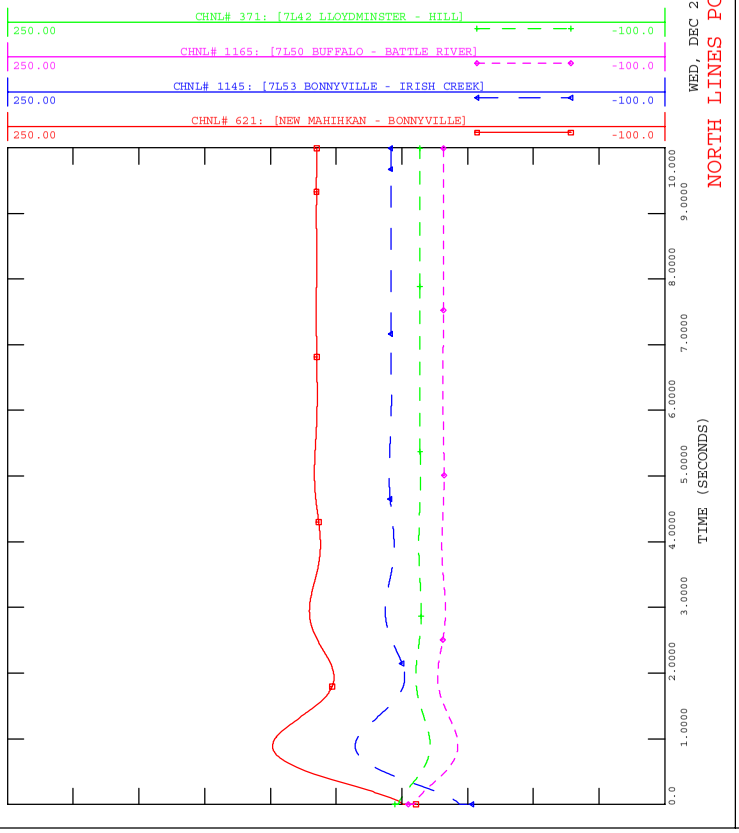
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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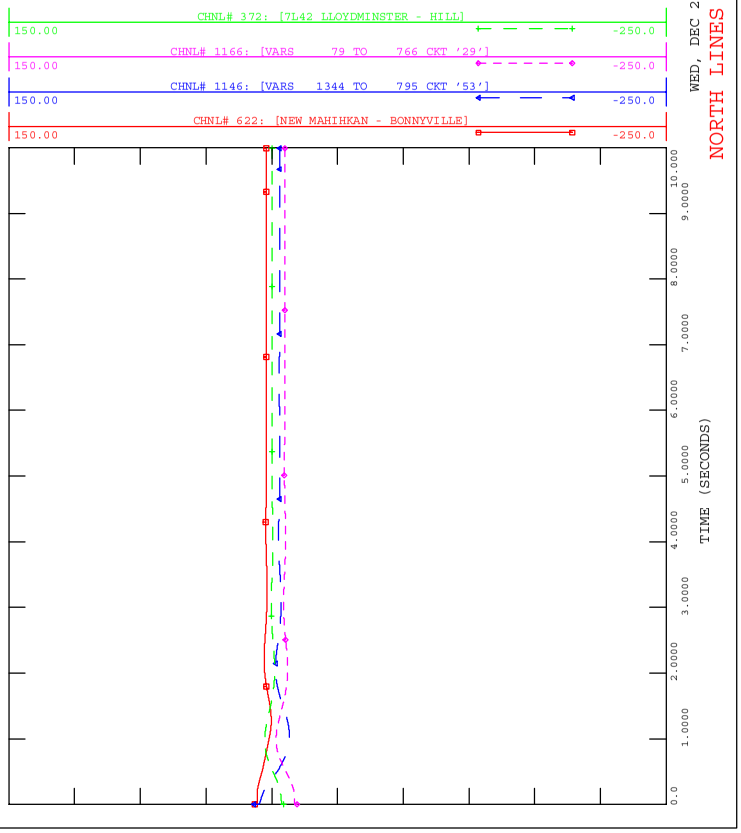
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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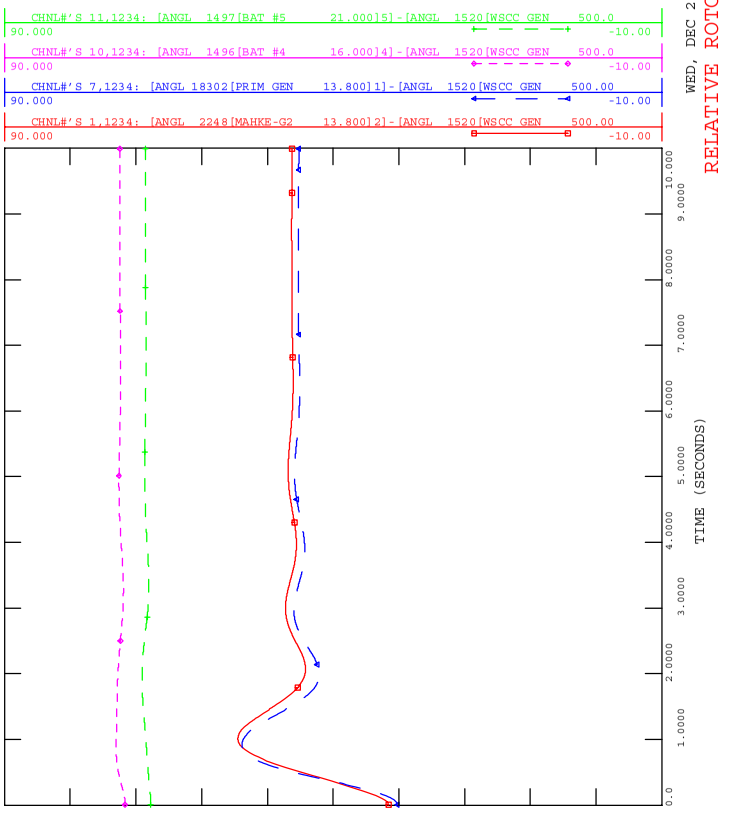
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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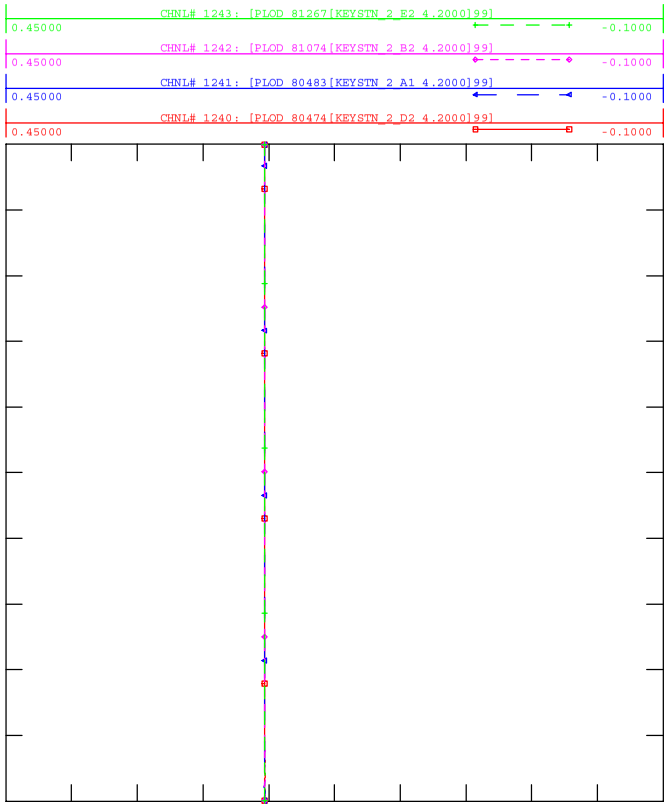


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RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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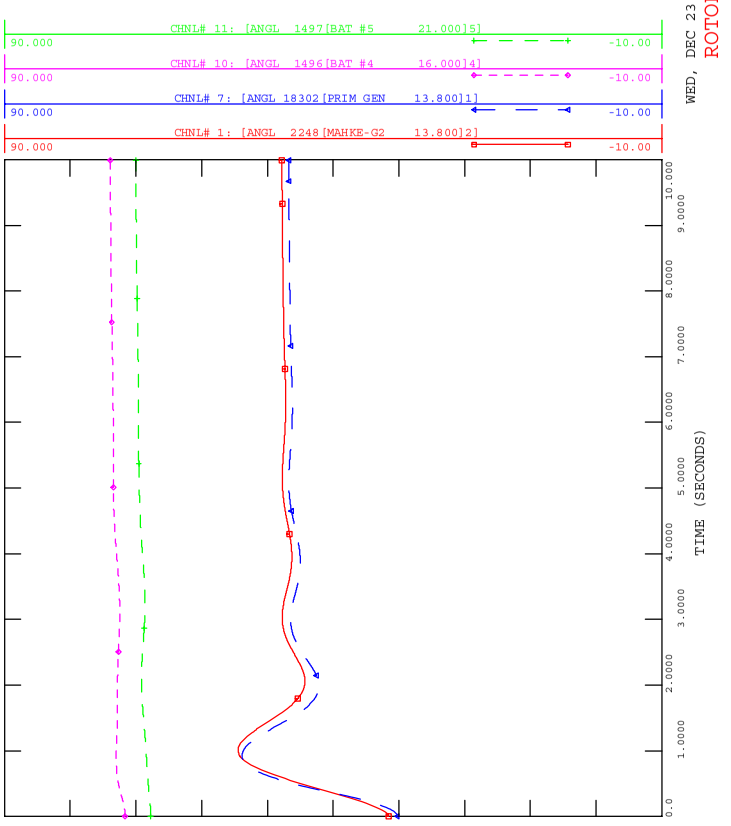


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MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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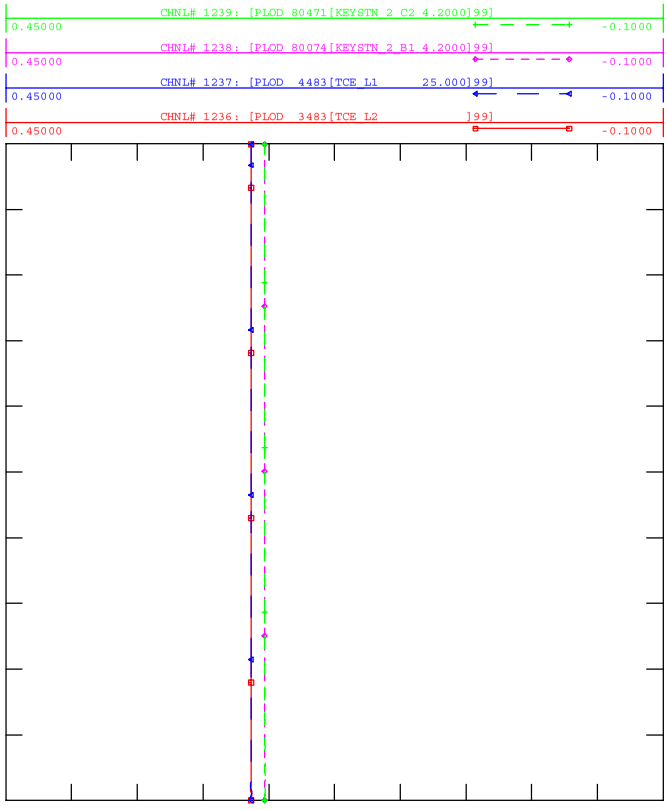


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ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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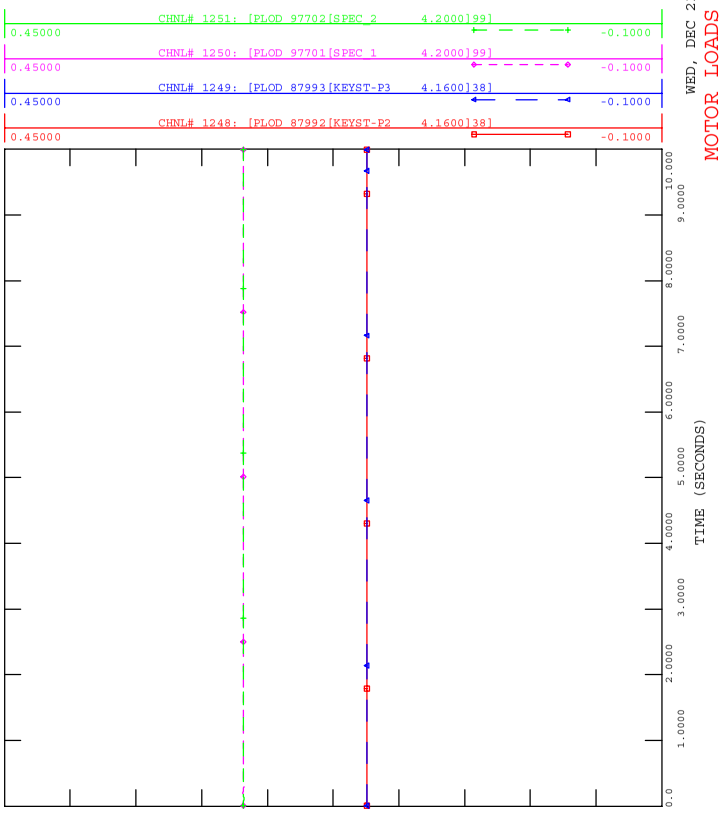


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MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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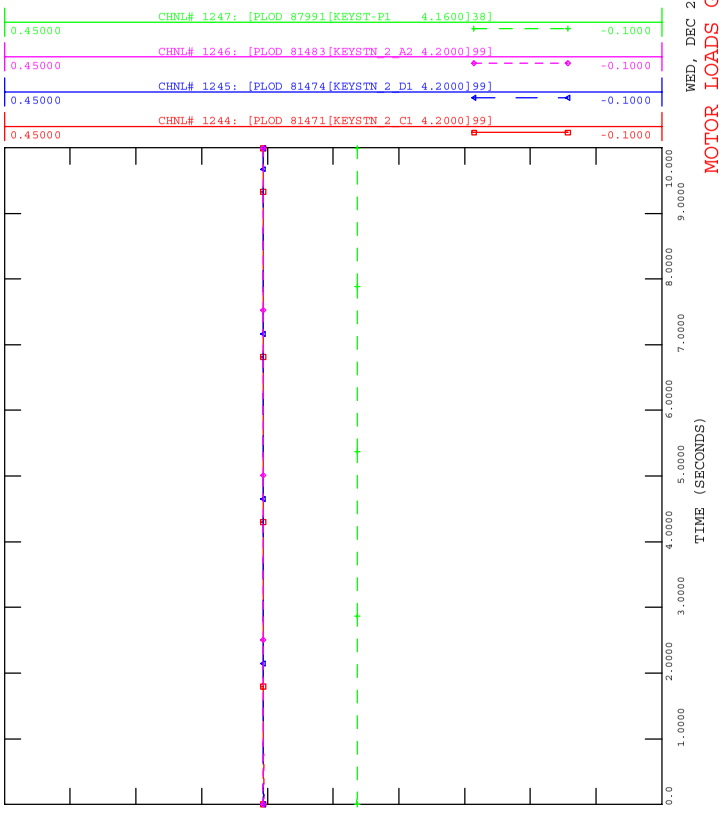


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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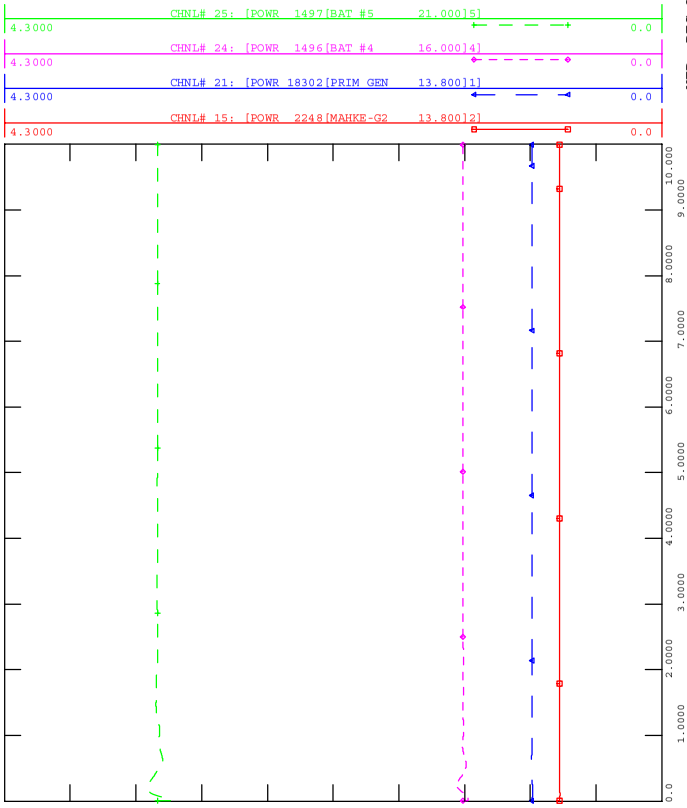
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE POWER

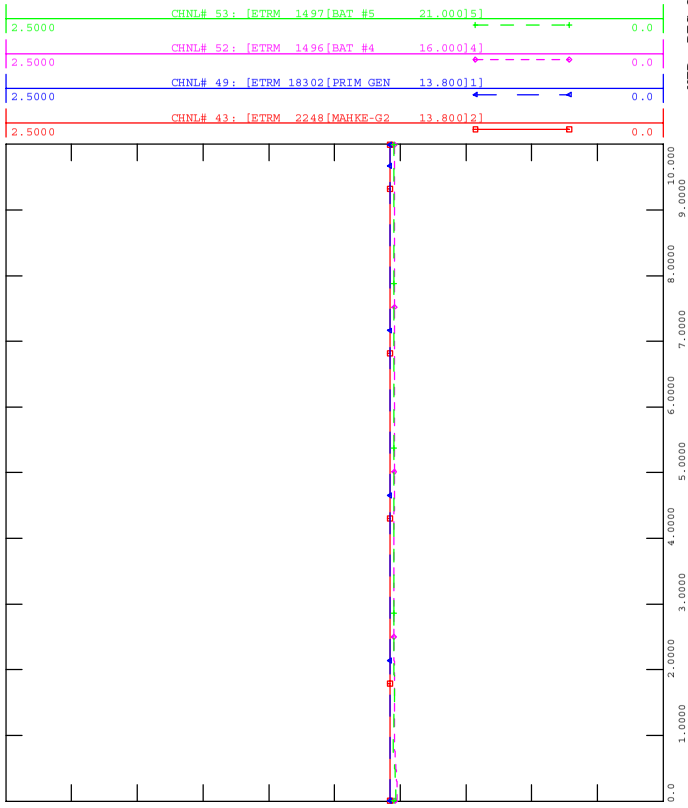


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

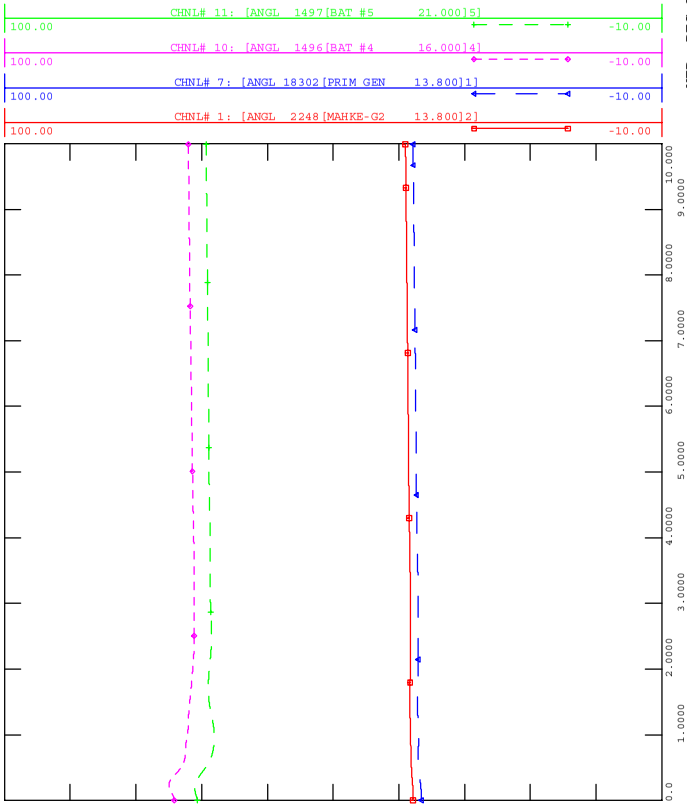


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

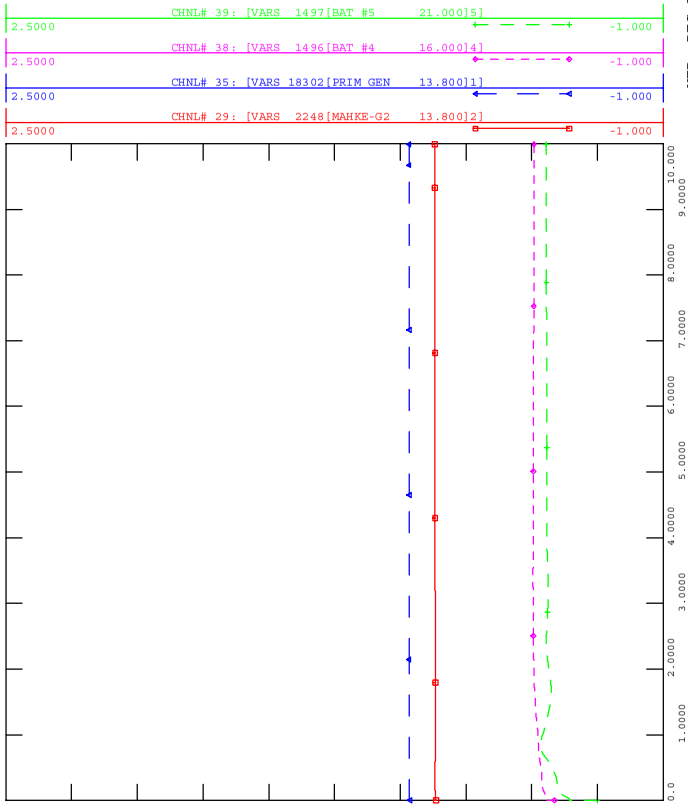


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE VARS

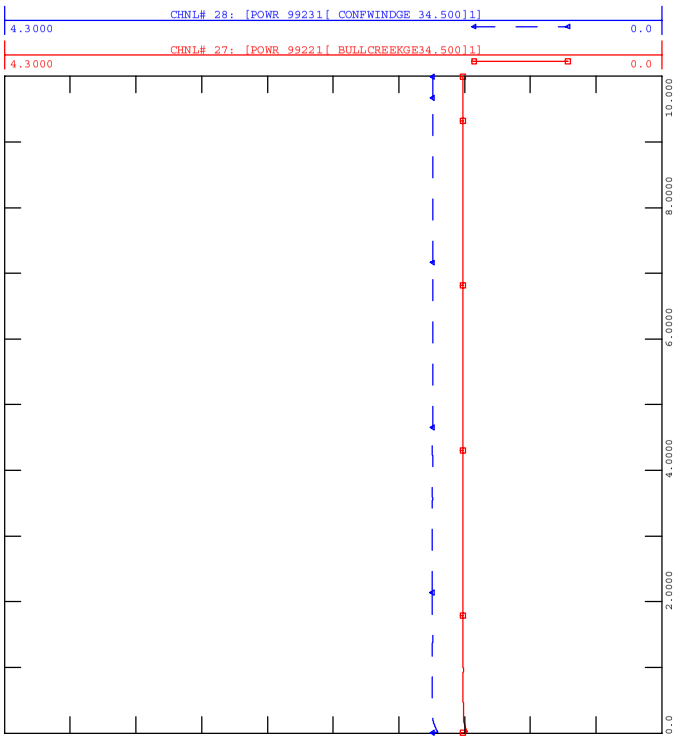


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE POWER

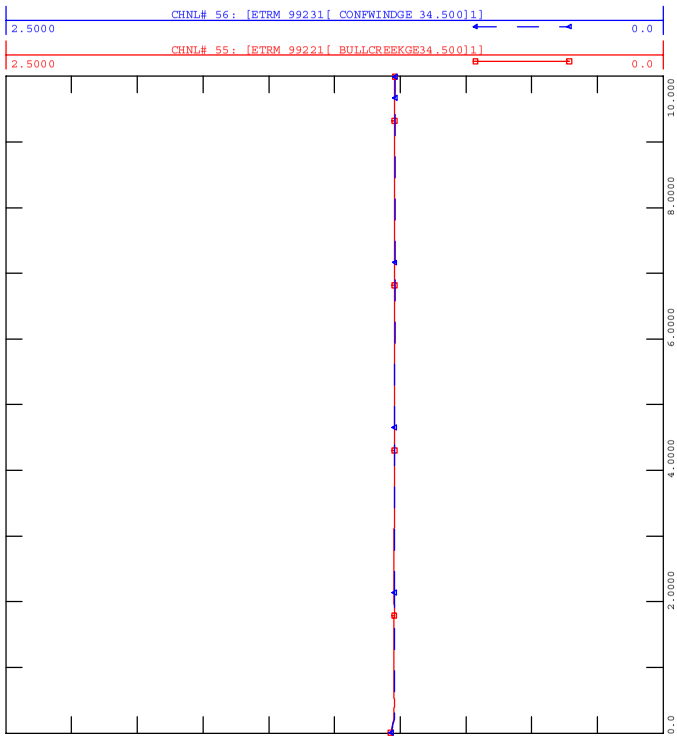


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACH. TERMINAL VOLTS

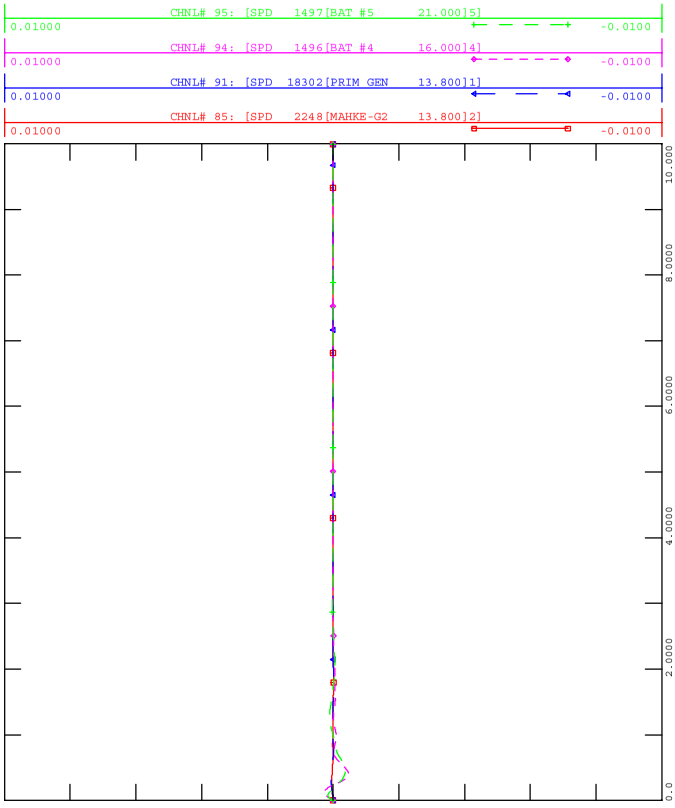


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE SPEED

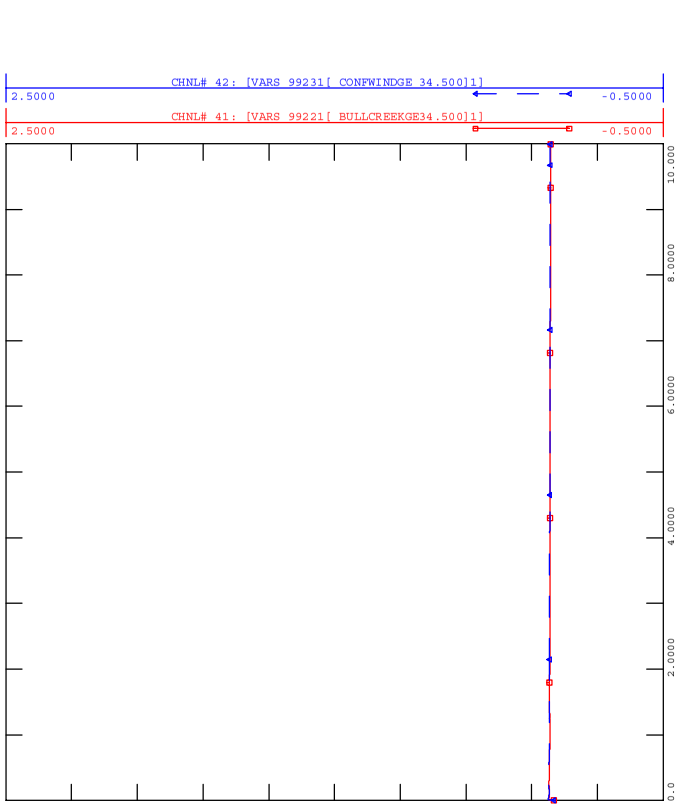


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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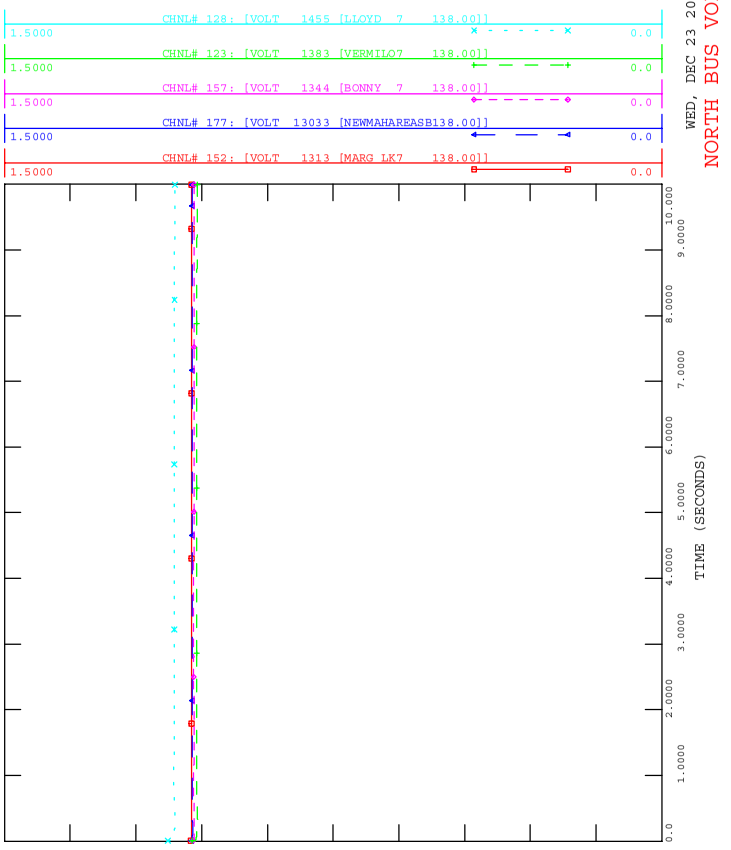
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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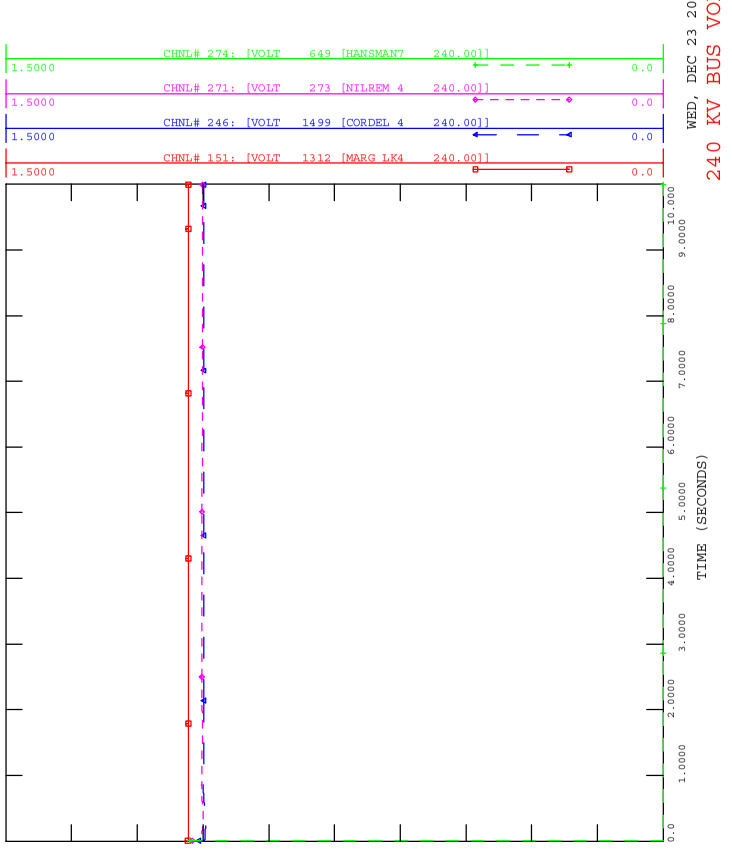


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-2Trip.out

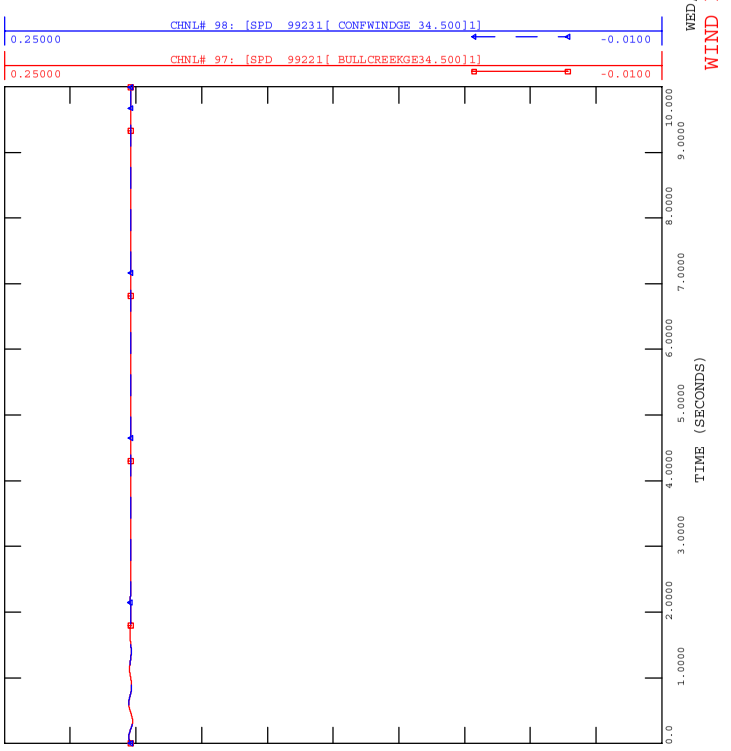


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240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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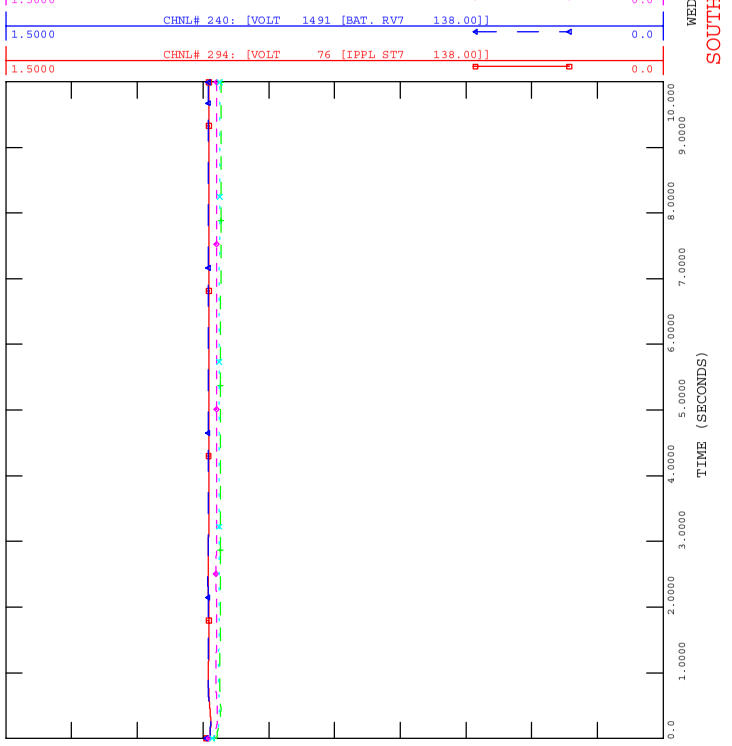


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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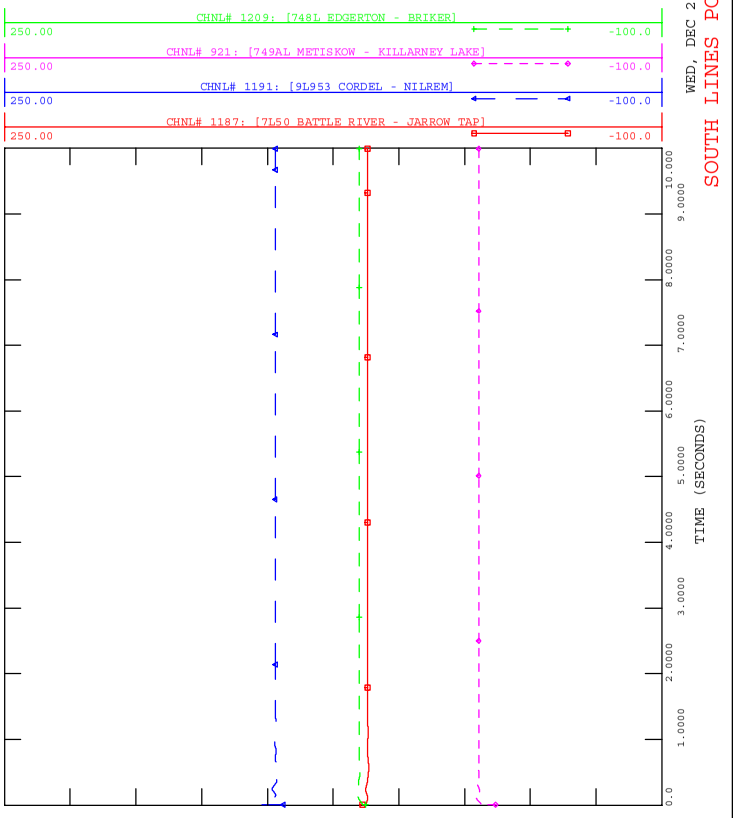


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SOUTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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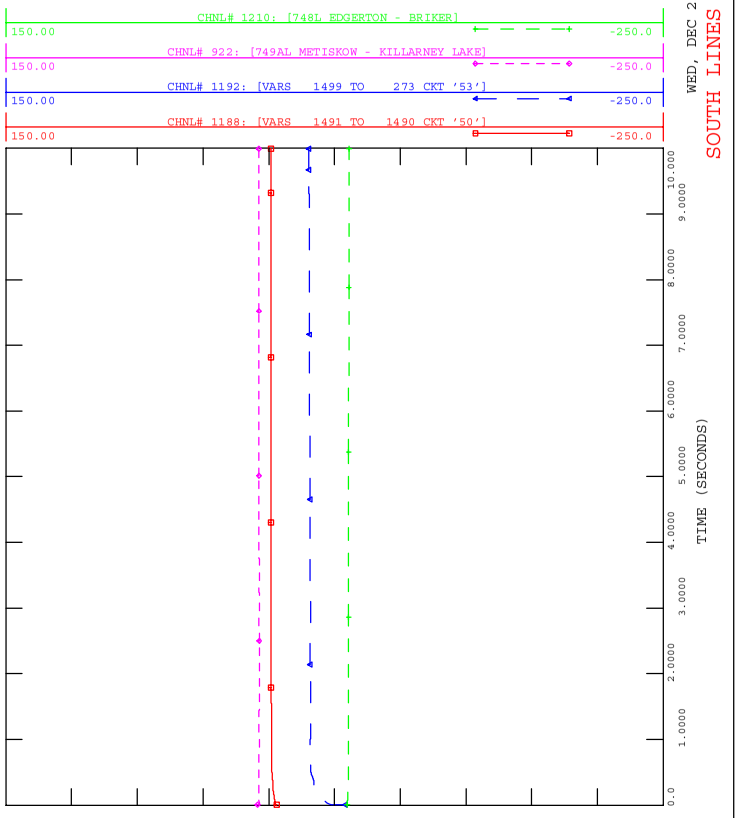


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SOUTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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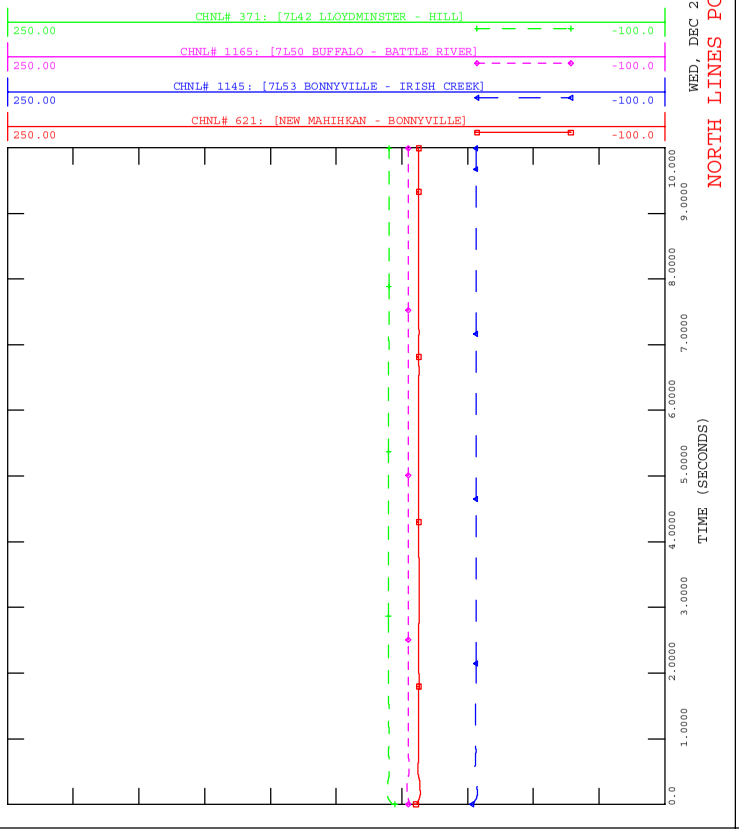


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SOUTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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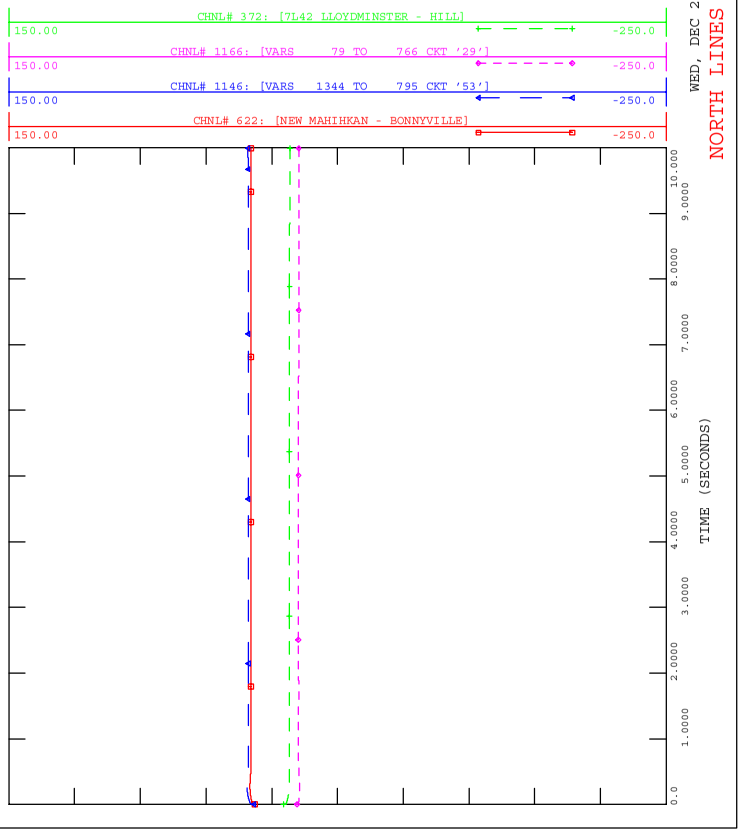


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NORTH LINES POWER FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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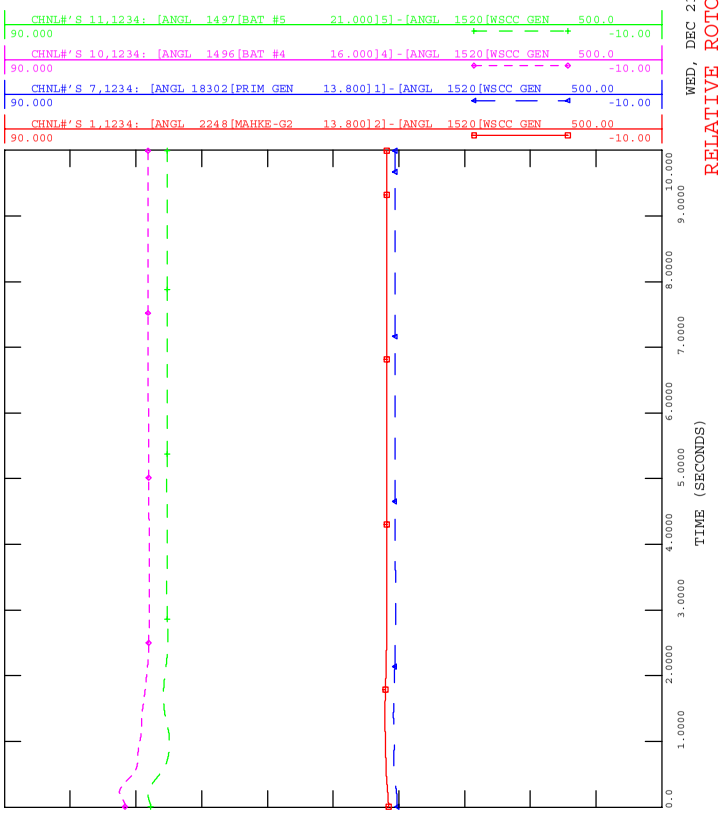


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NORTH LINES VAR FLOW

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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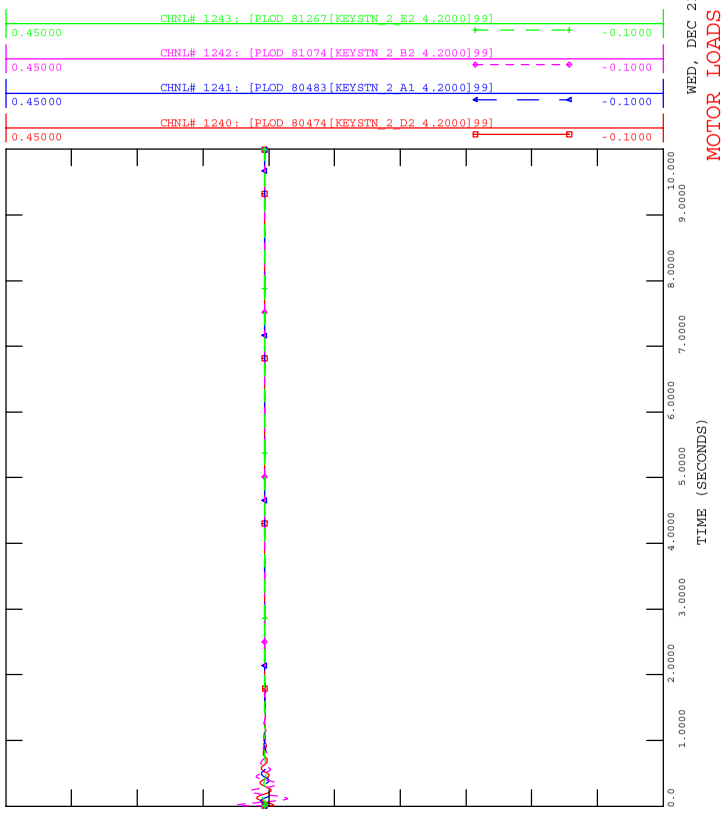


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RELATIVE ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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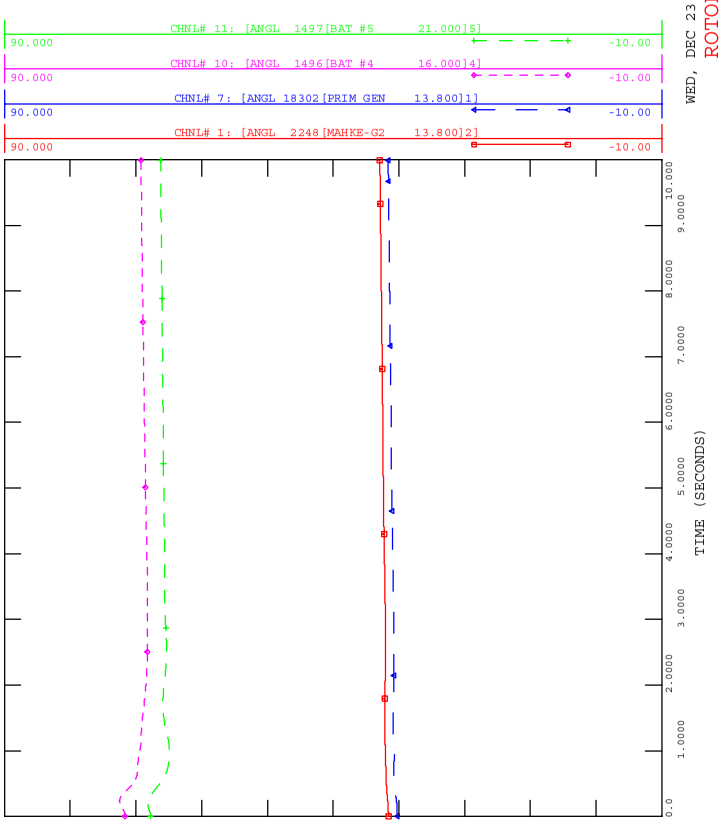


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MOTOR LOADS GROUP II

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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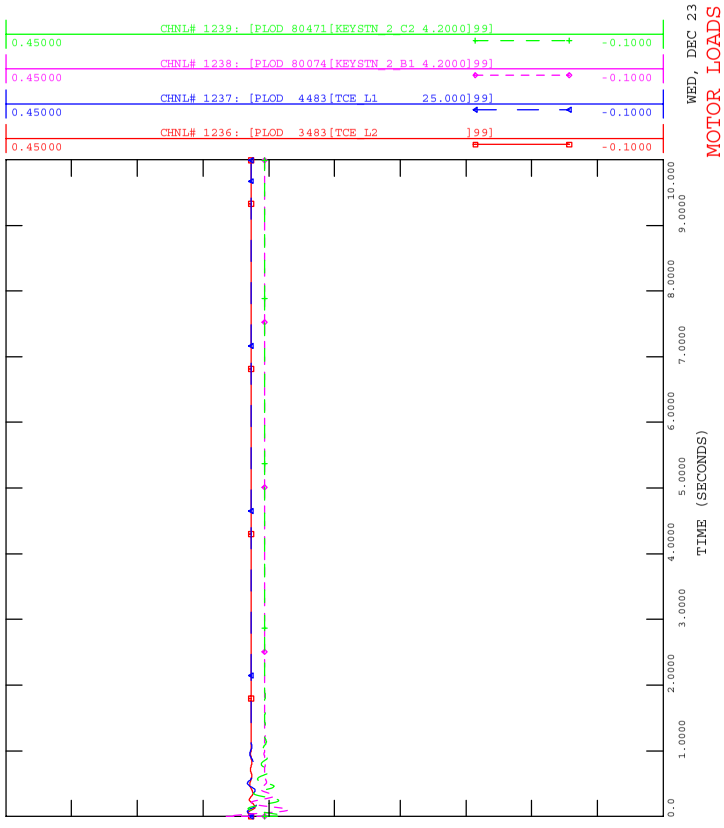


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ROTOR ANGLES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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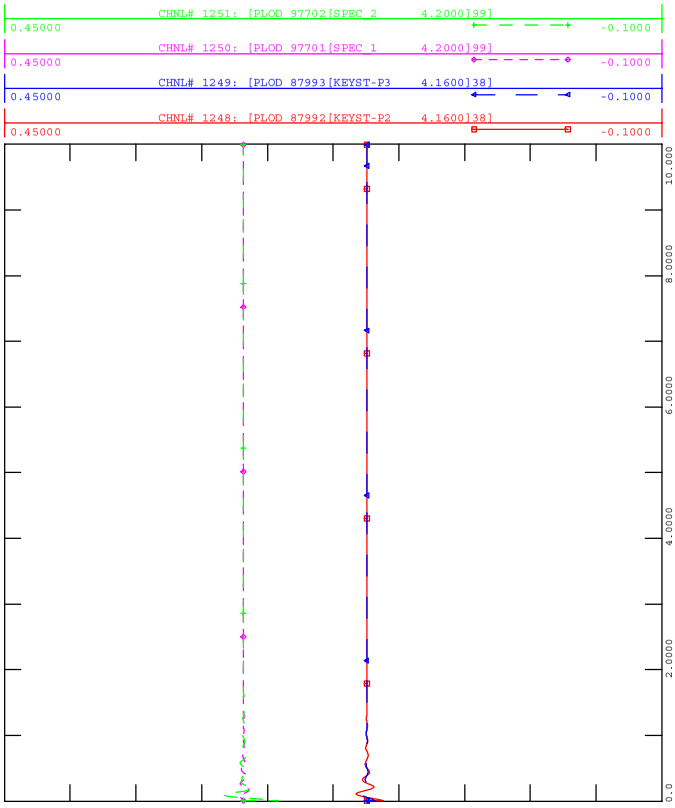


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MOTOR LOADS GROUP I

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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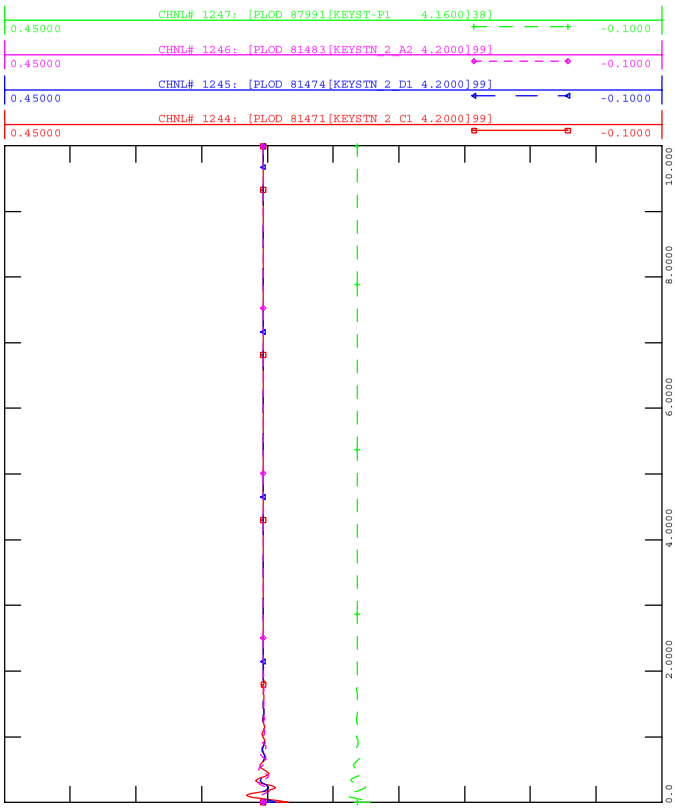


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D8-2Trip.out



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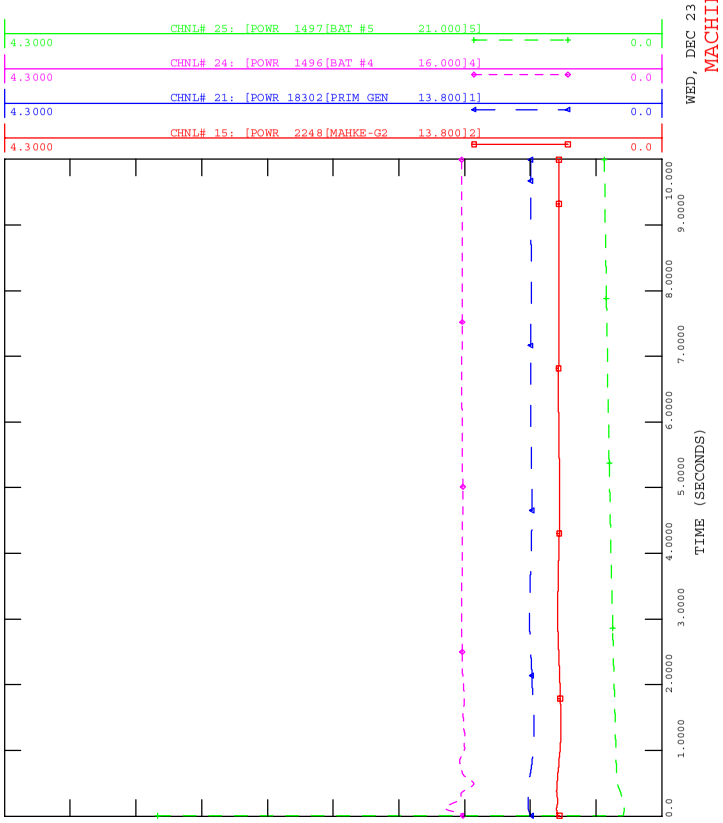
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE POWER

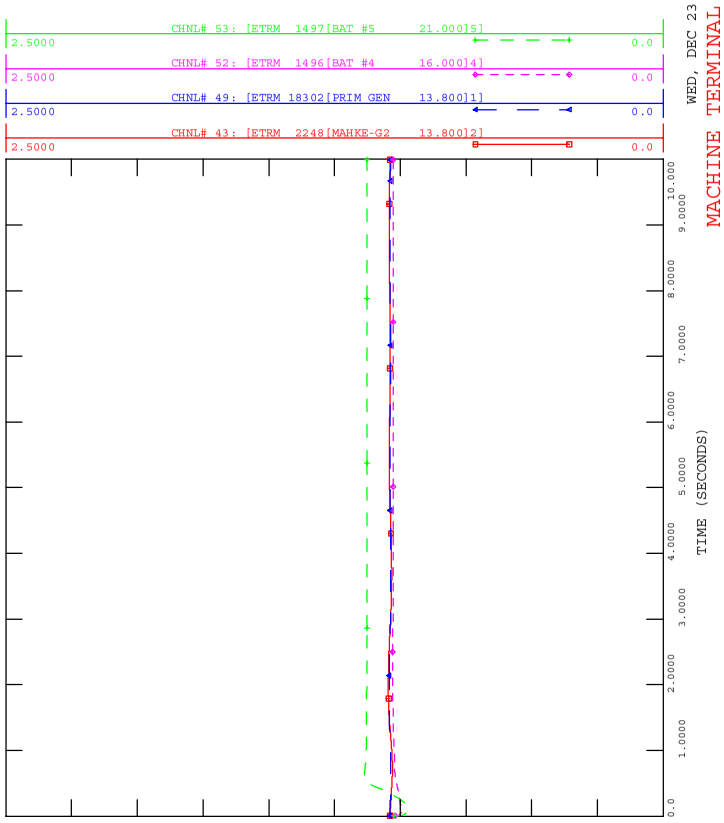


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

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MACHINE TERMINAL VOLTAGE

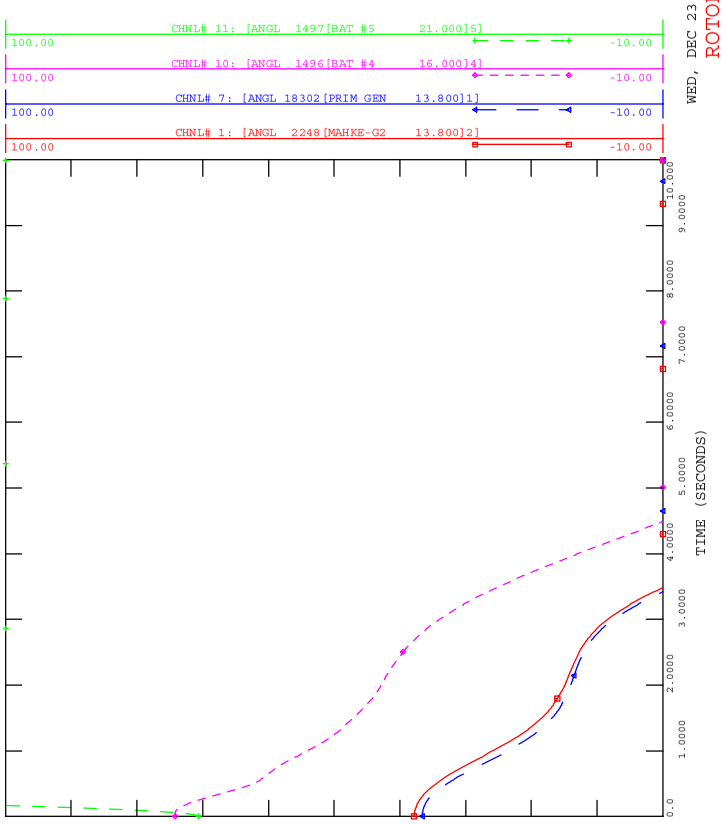


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

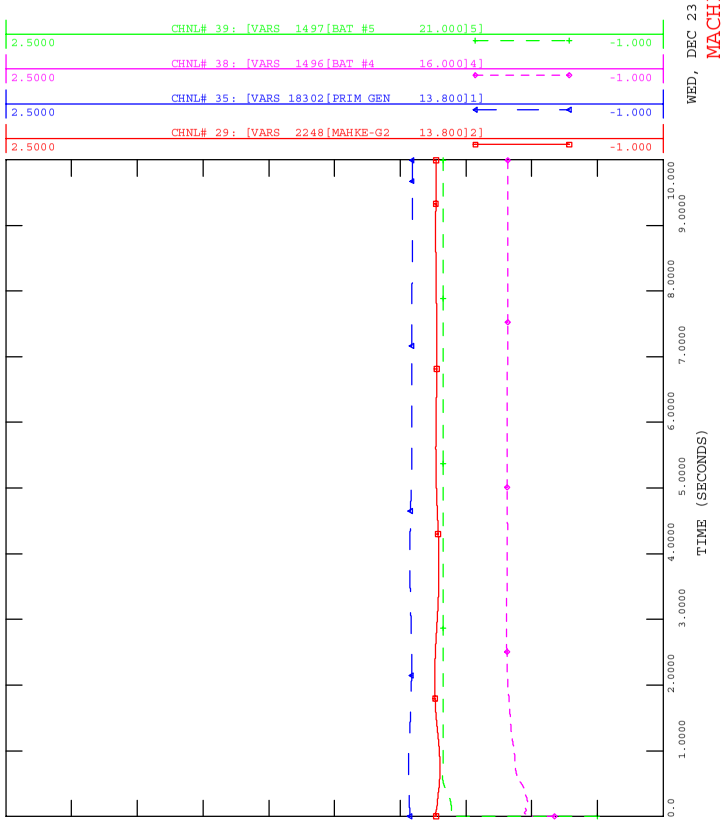


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

WED, DEC 23 2009 15:56

MACHINE VARS

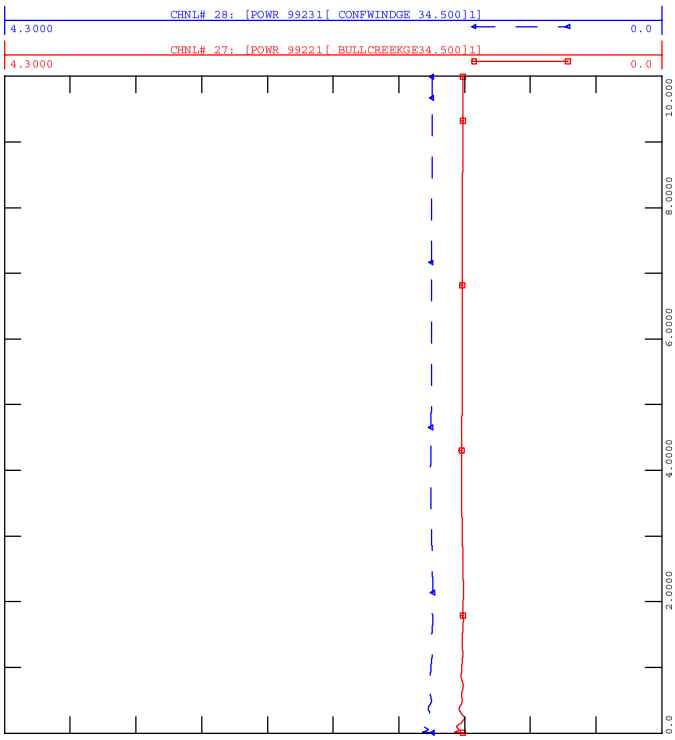


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

WED, DEC 23 2009 15:56

WIND MACHINE POWER

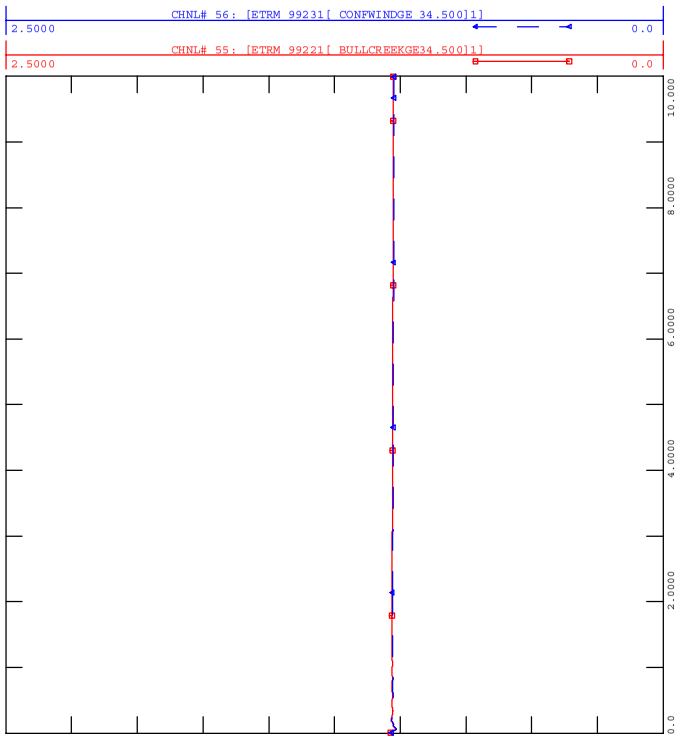


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

WED, DEC 23 2009 15:57

WIND MACH. TERMINAL VOLTS

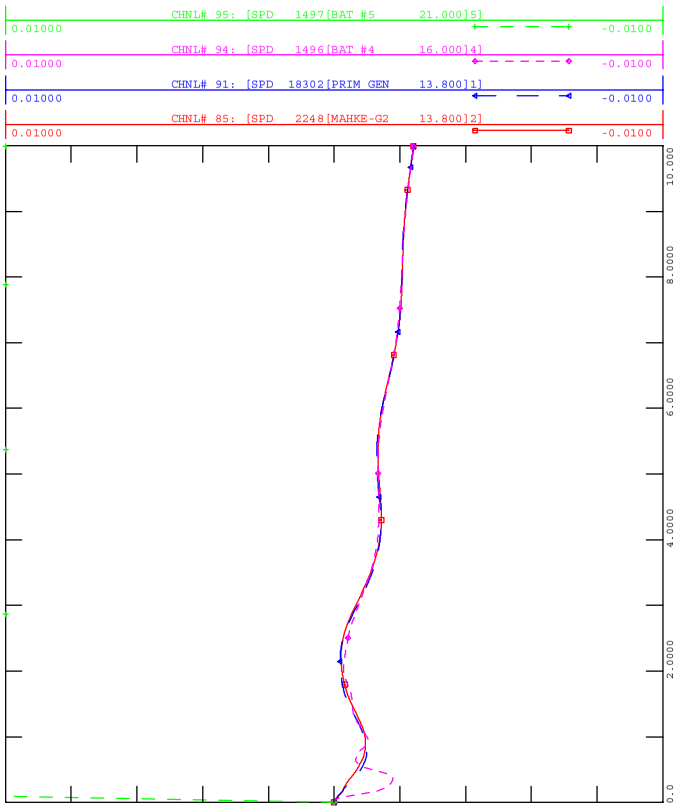


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

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MACHINE SPEED

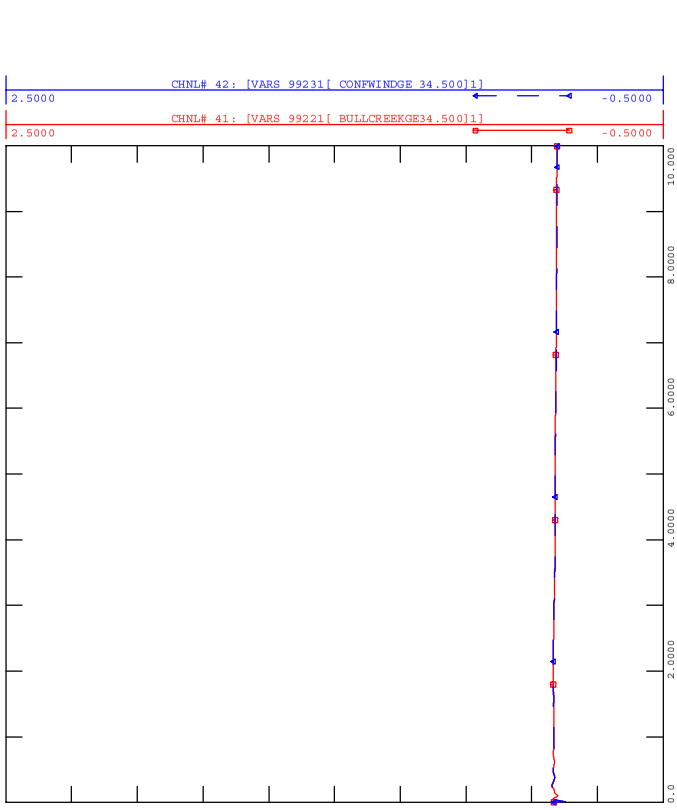


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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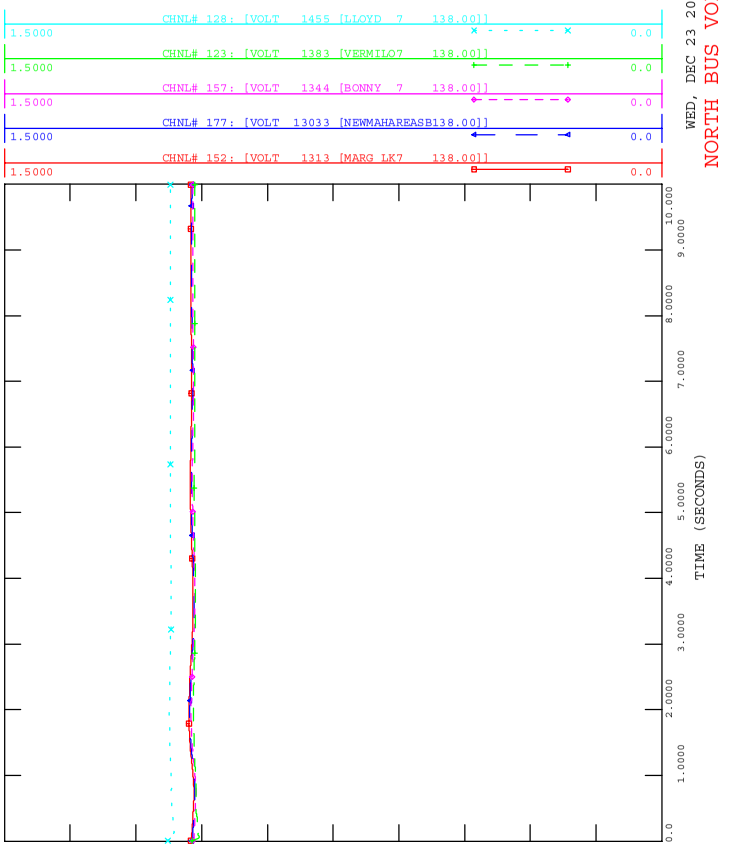
WED, DEC 23 2009 15:57

WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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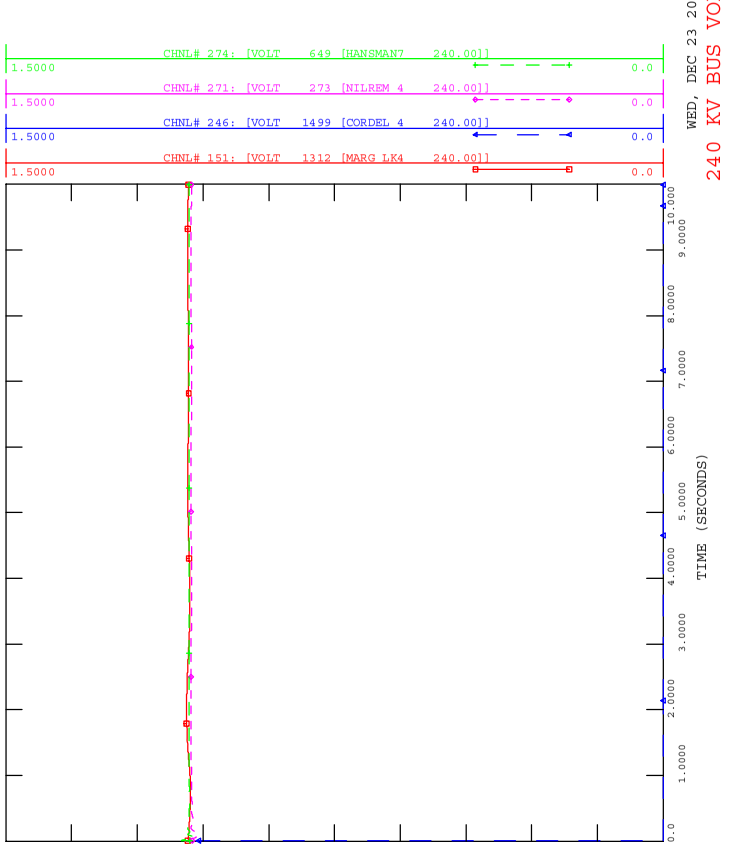


WED, DEC 23 2009 15:57

NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

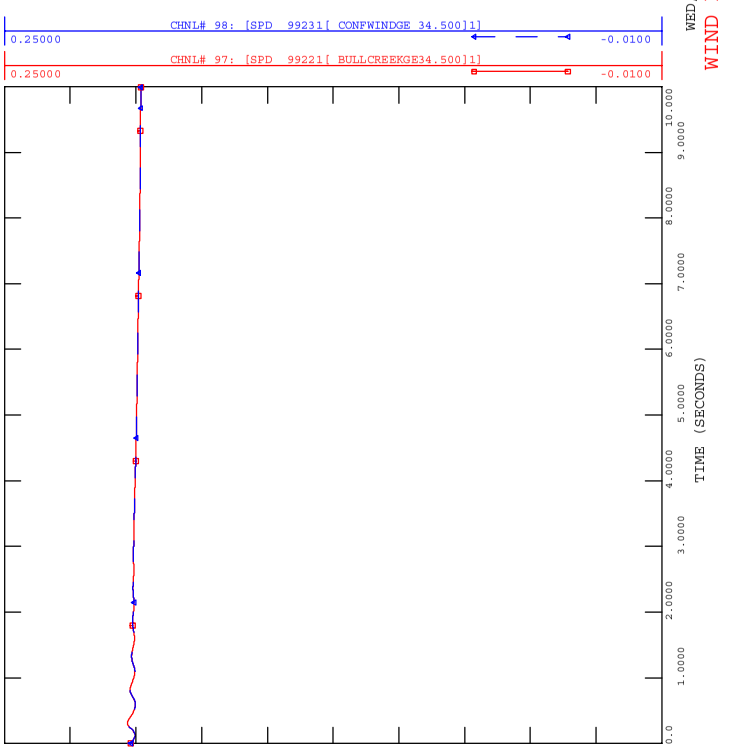


WED, DEC 23 2009 15:57

240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

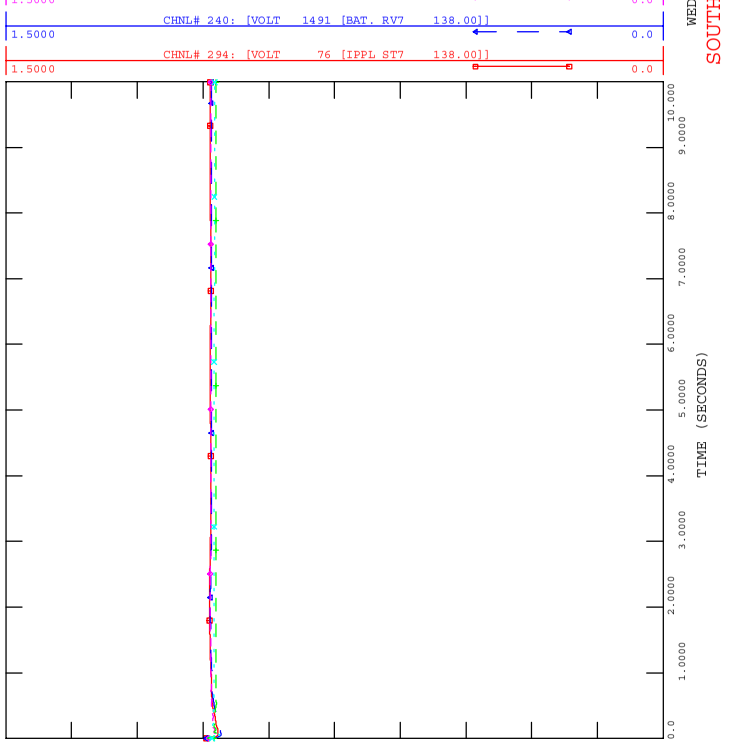


WED, DEC 23 2009 15:57

WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D9-1Trip.out

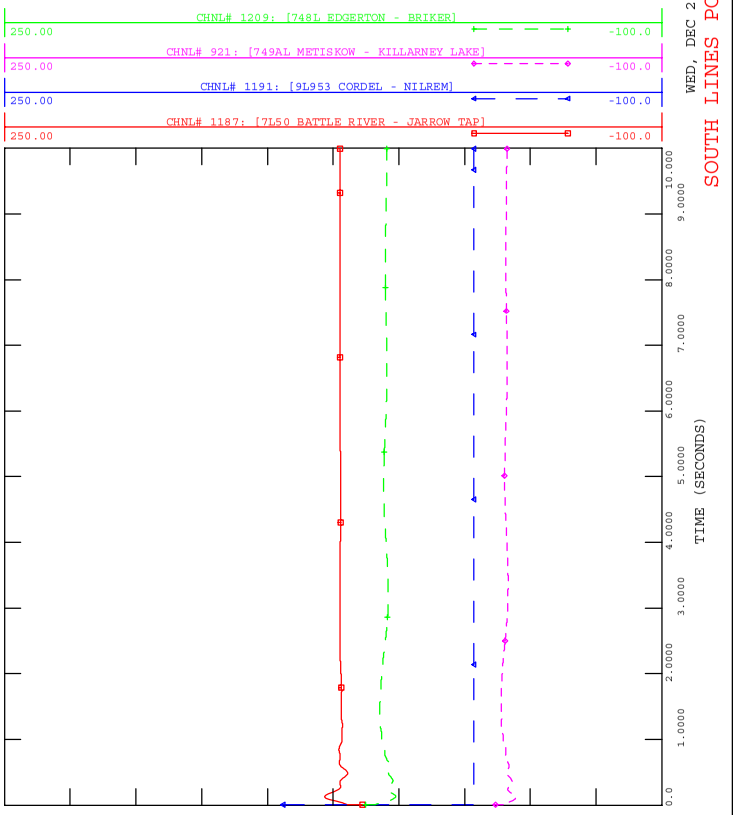


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SOUTH BUS VOLTAGES

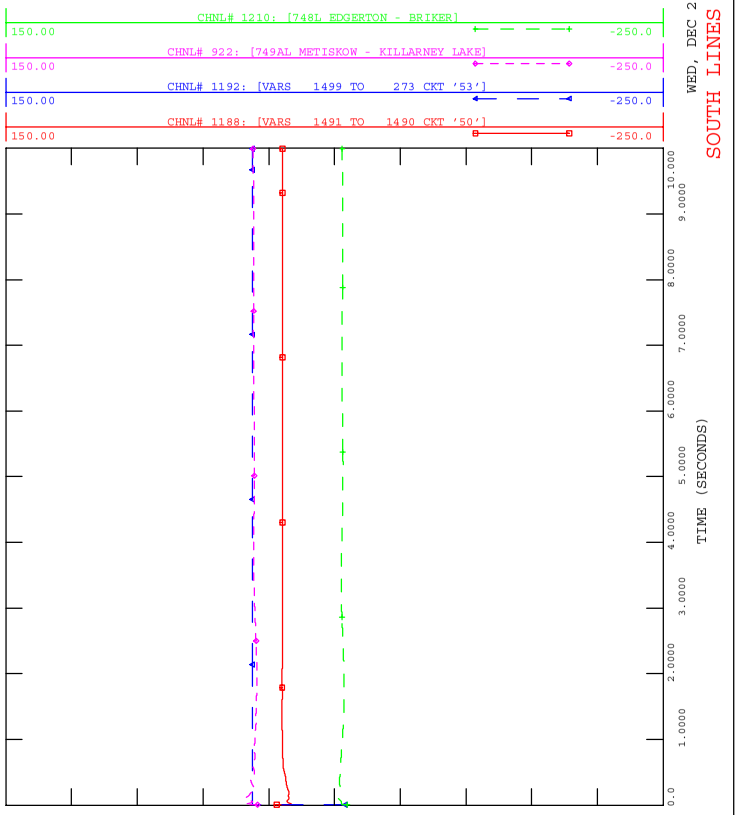
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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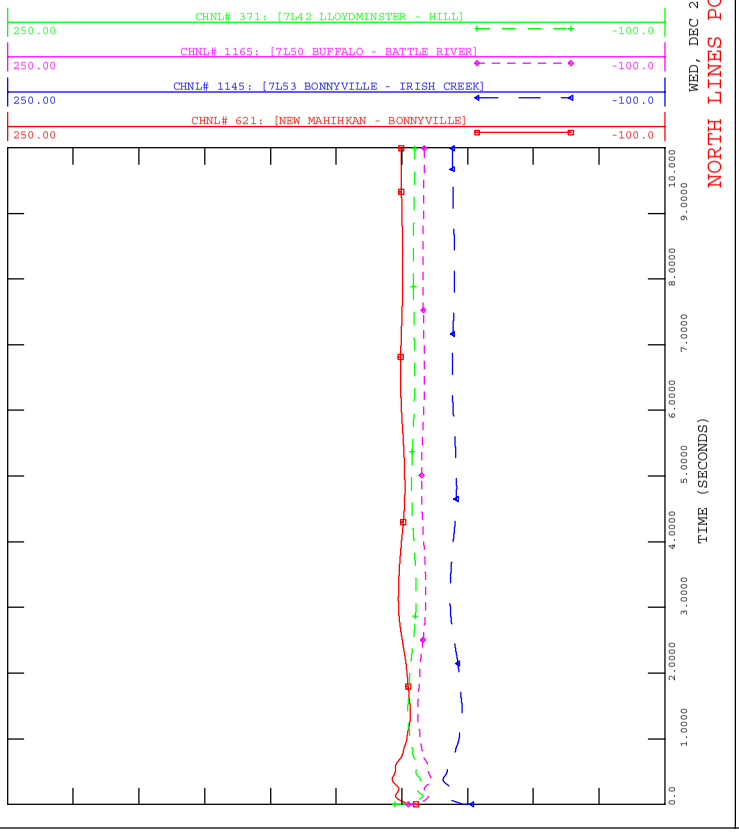
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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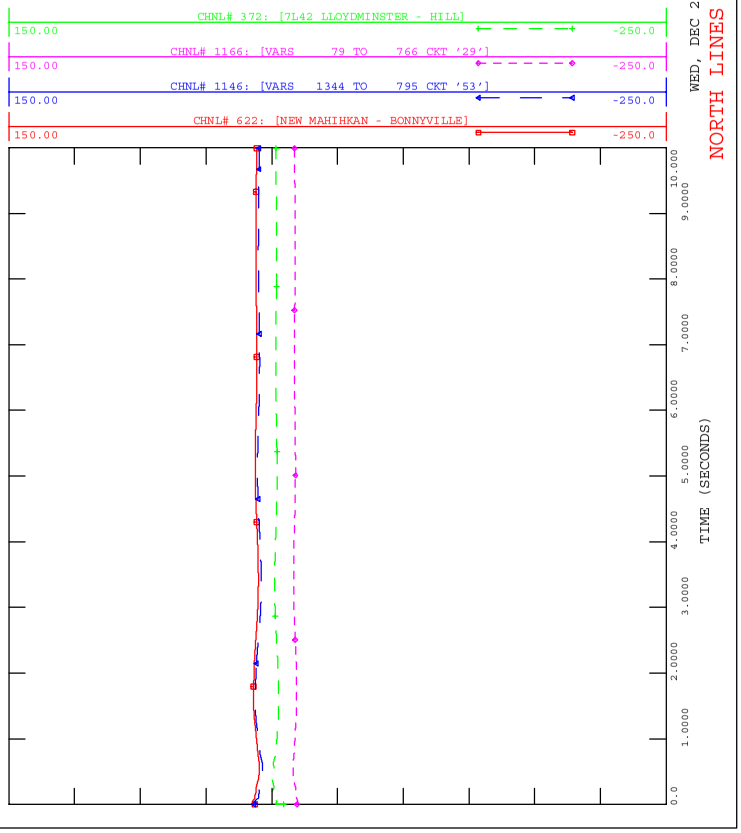
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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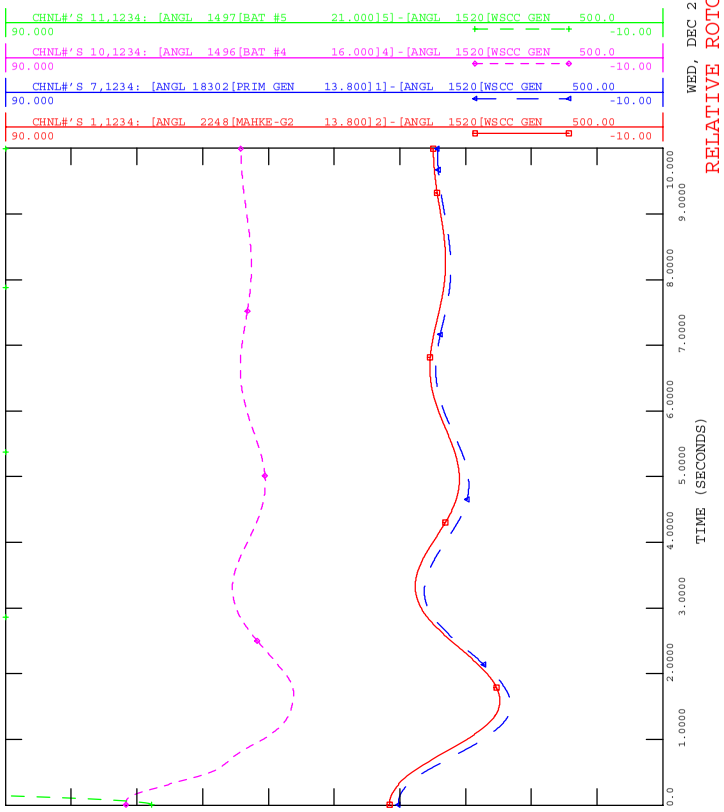


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

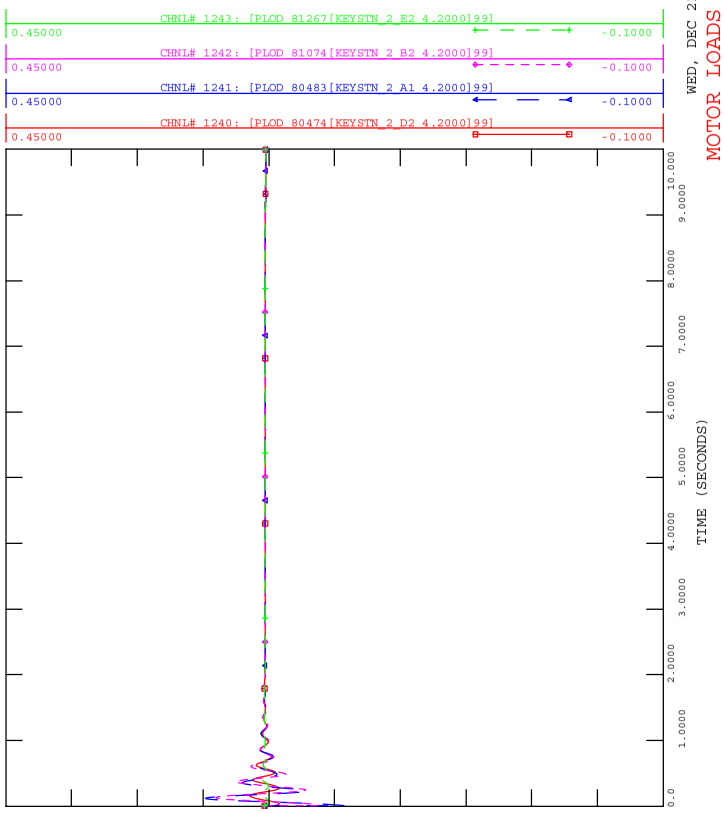


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MOTOR LOADS GROUP II

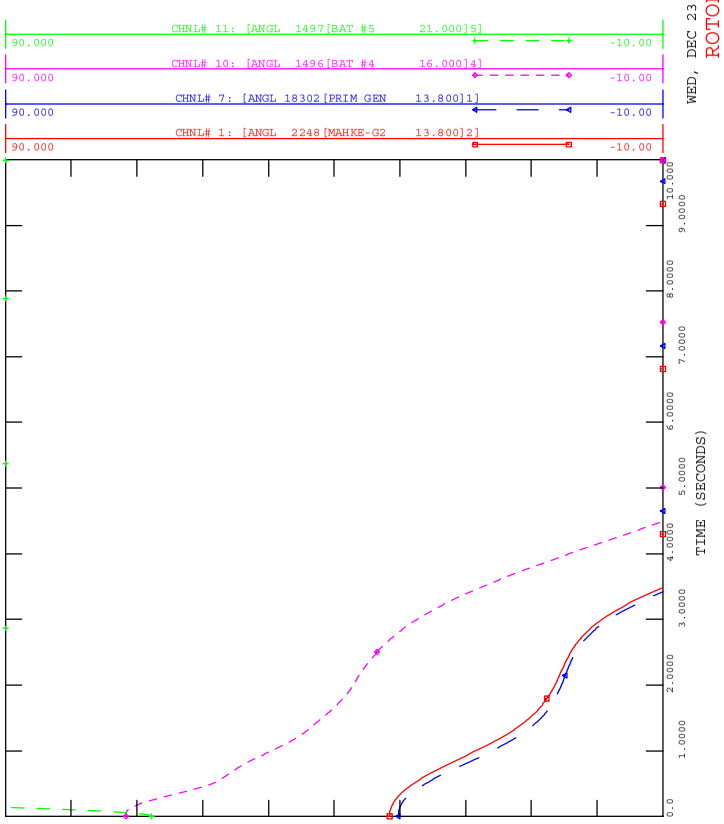


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

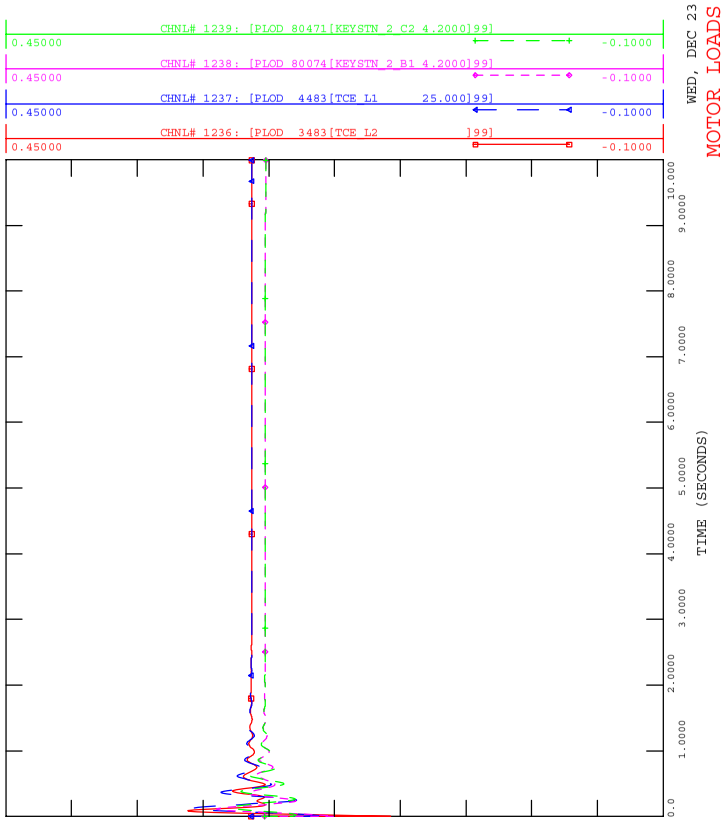


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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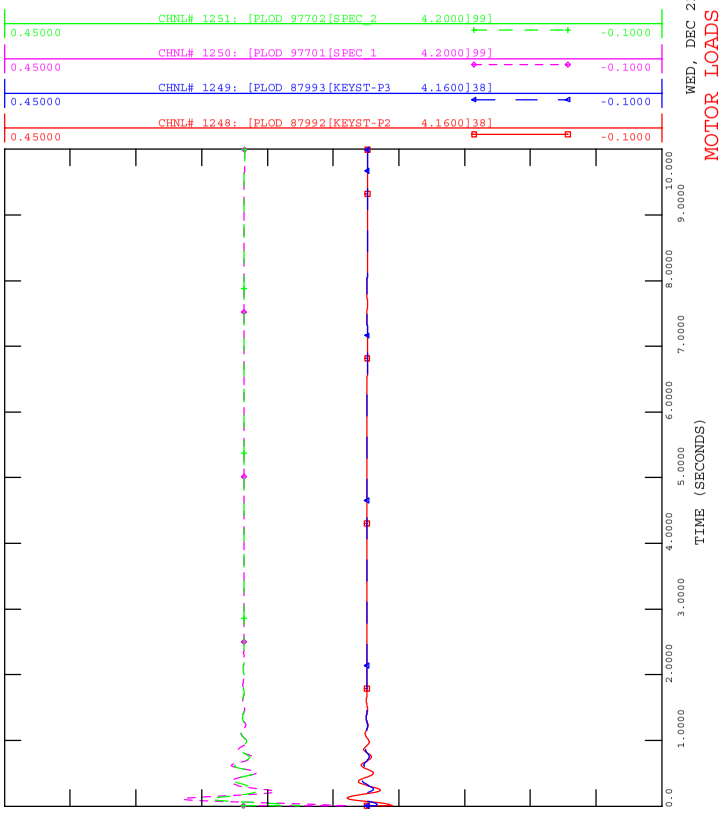
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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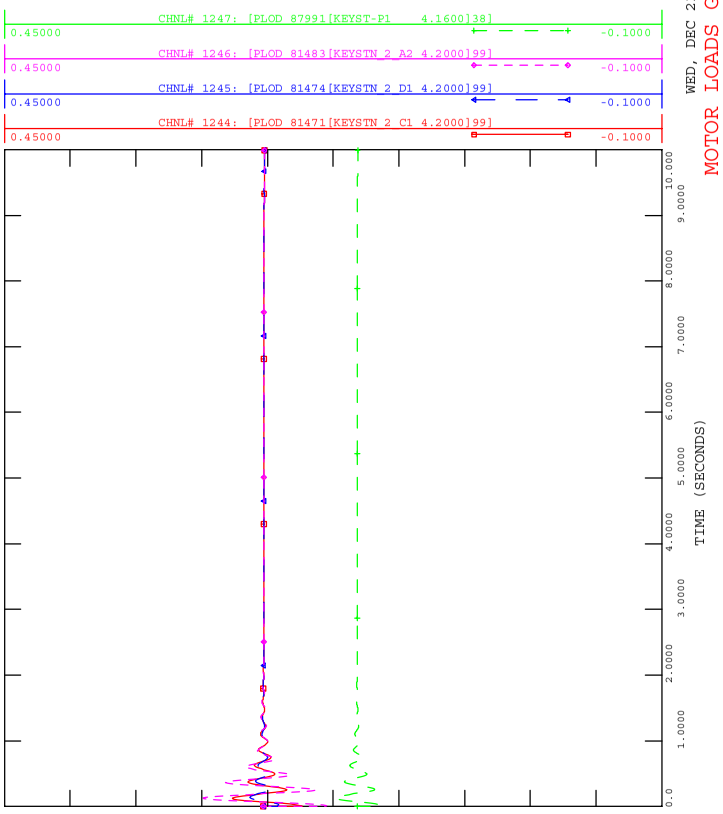


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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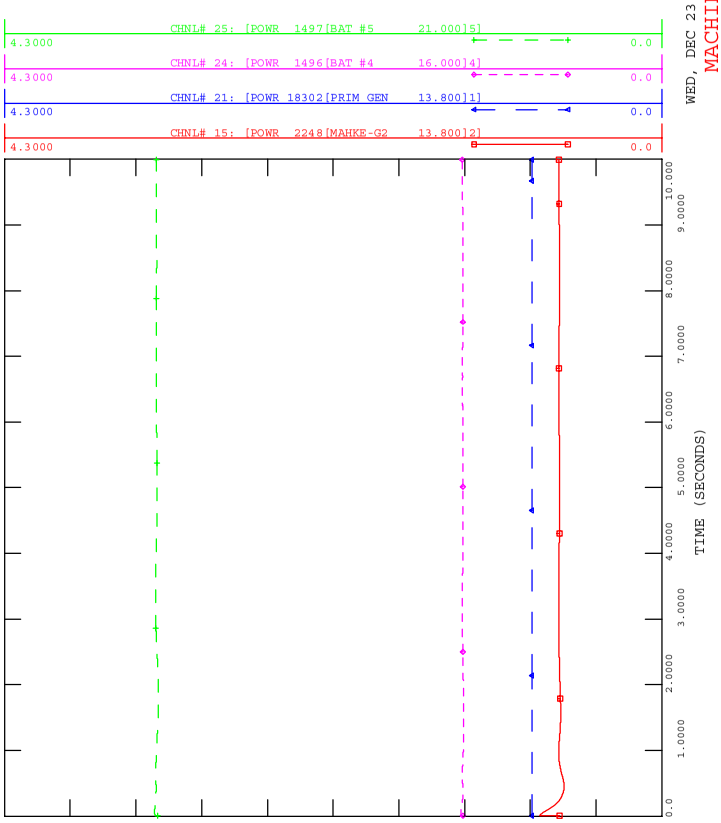
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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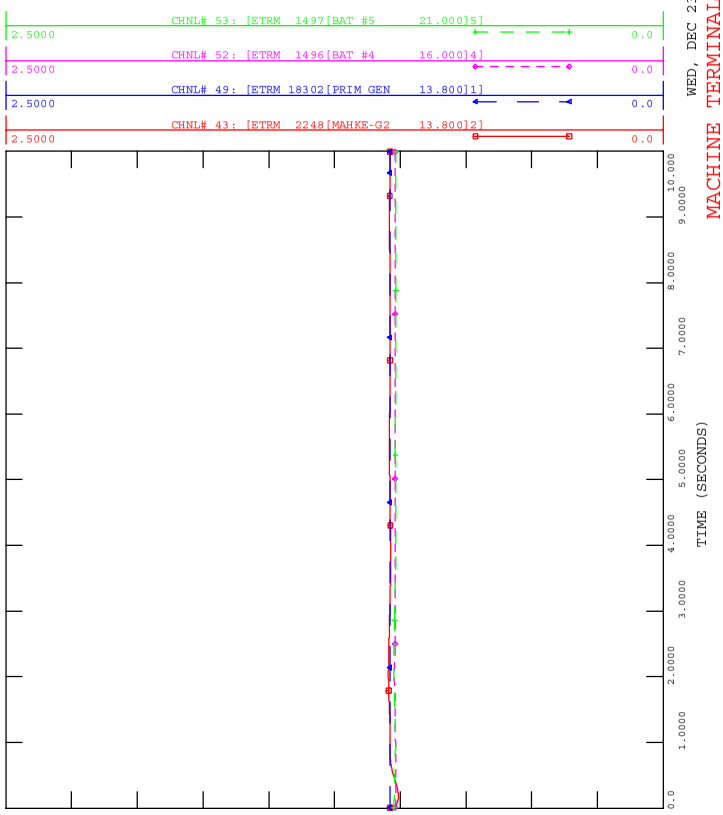


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

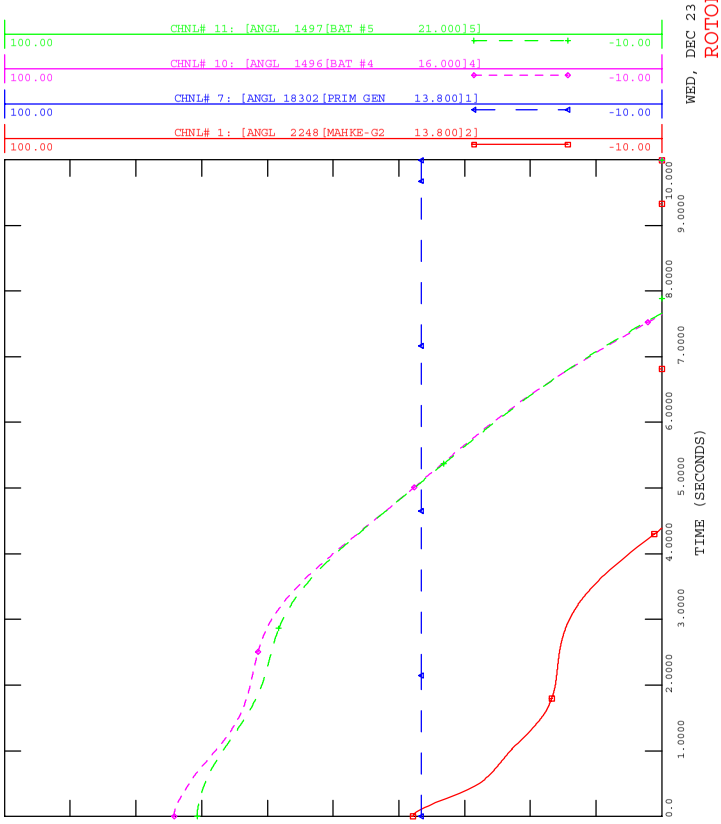


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

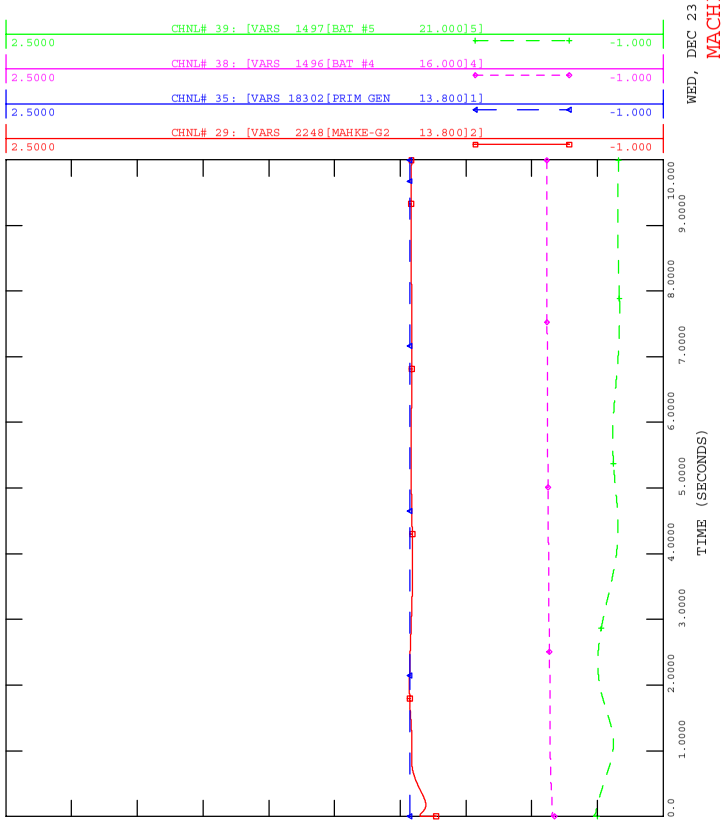


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE VARS

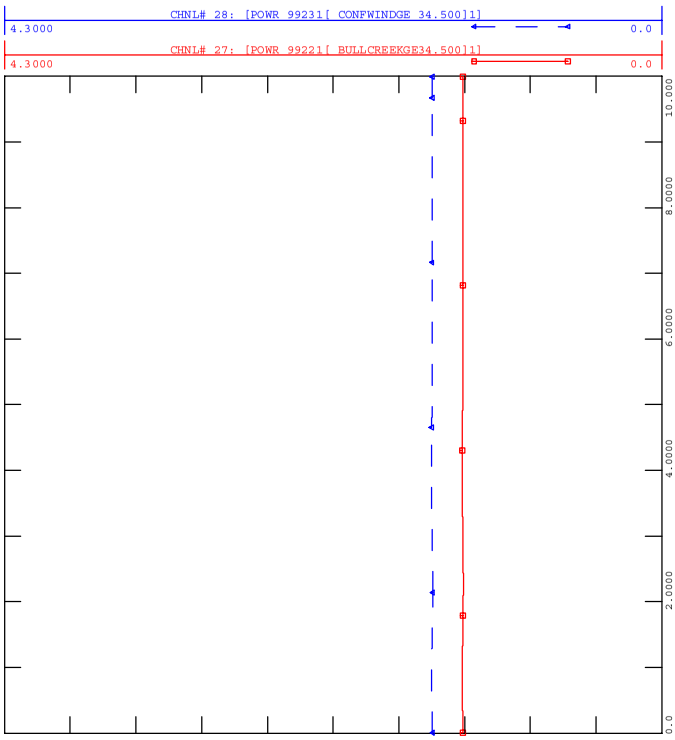


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE POWER

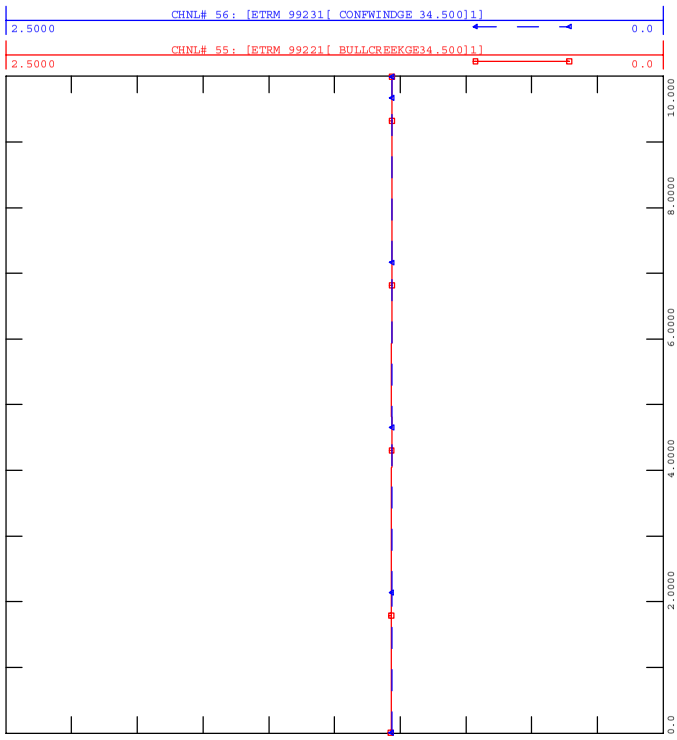


CENTRAL AREA STUDY
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WIND MACH. TERMINAL VOLTS

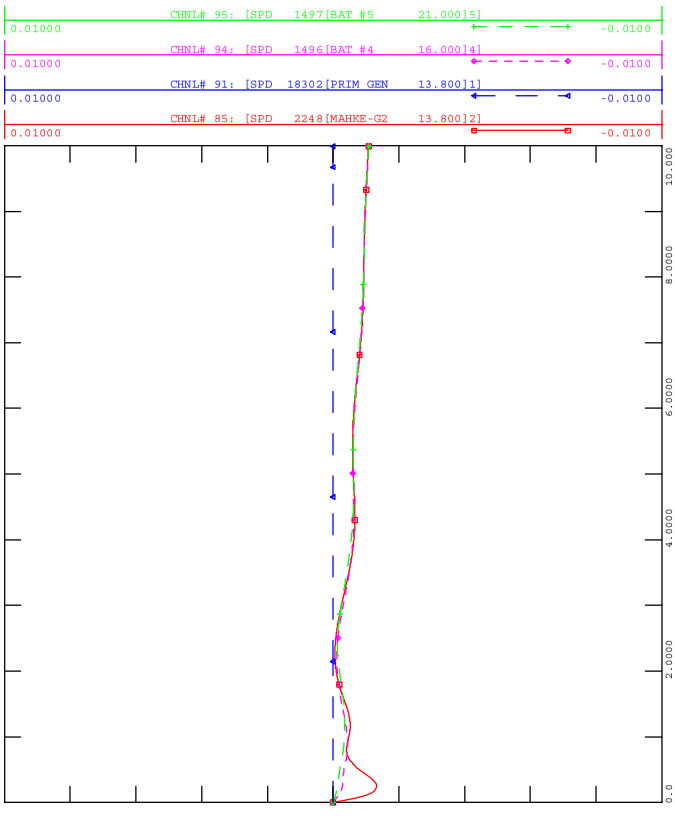


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MACHINE SPEED

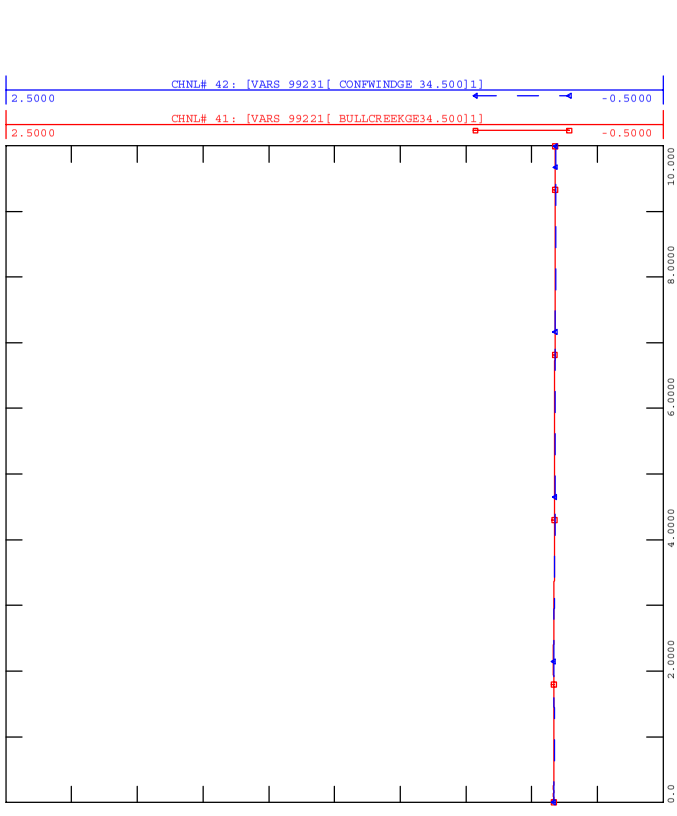


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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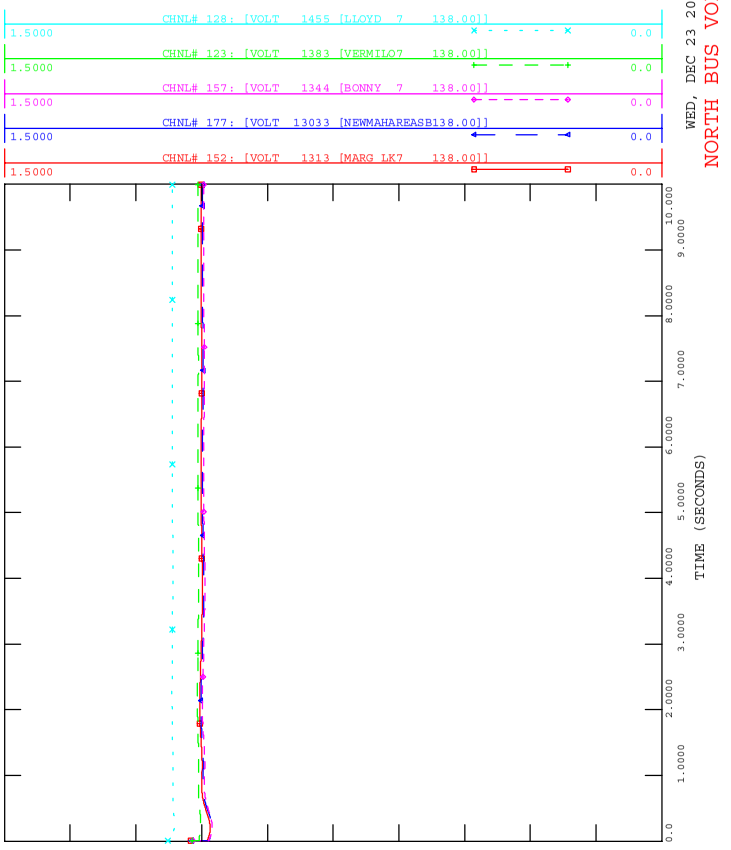
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WIND MACHINE VARS



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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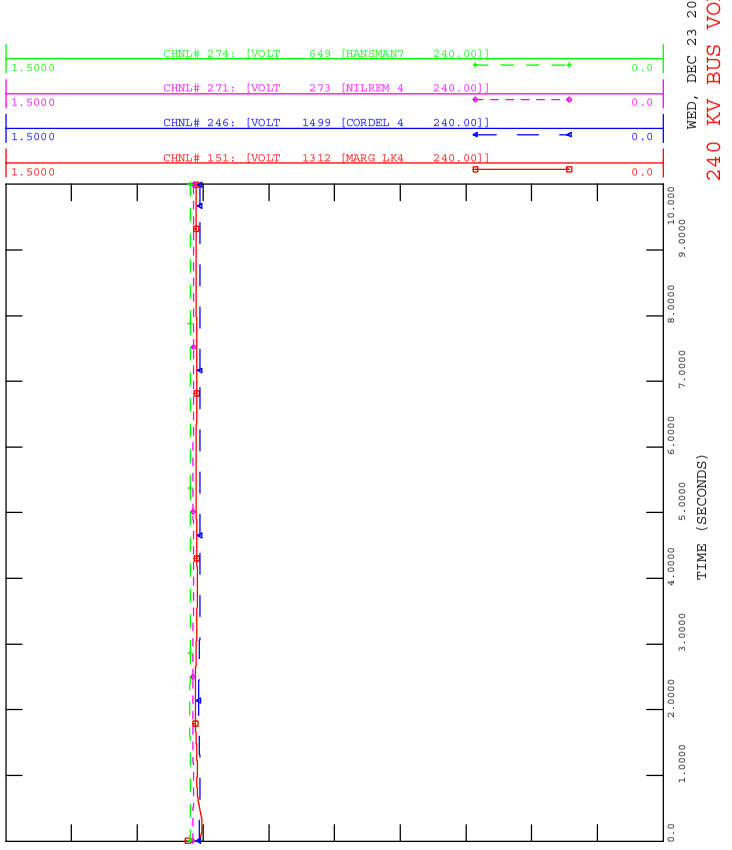


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NORTH BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D10-1Trip.out

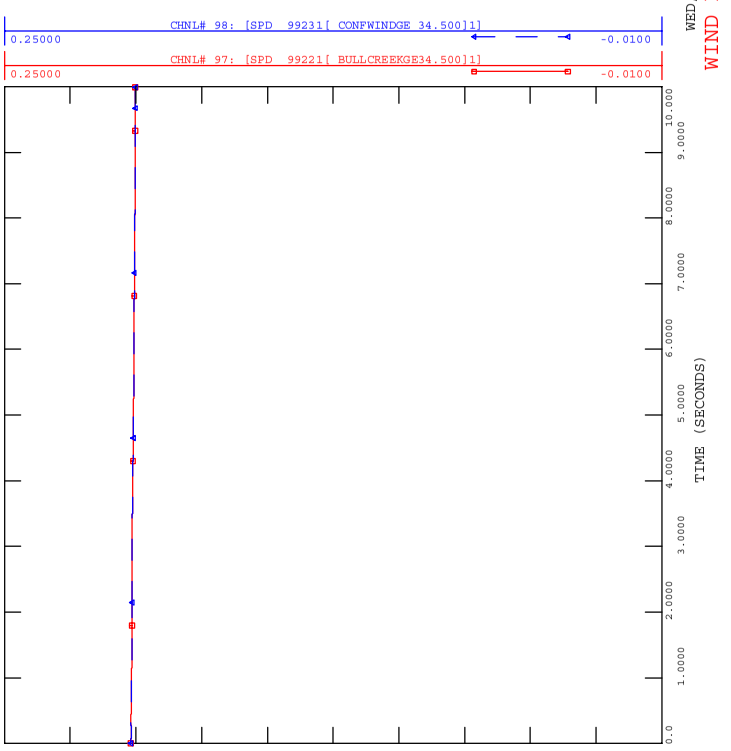


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240 KV BUS VOLTAGES

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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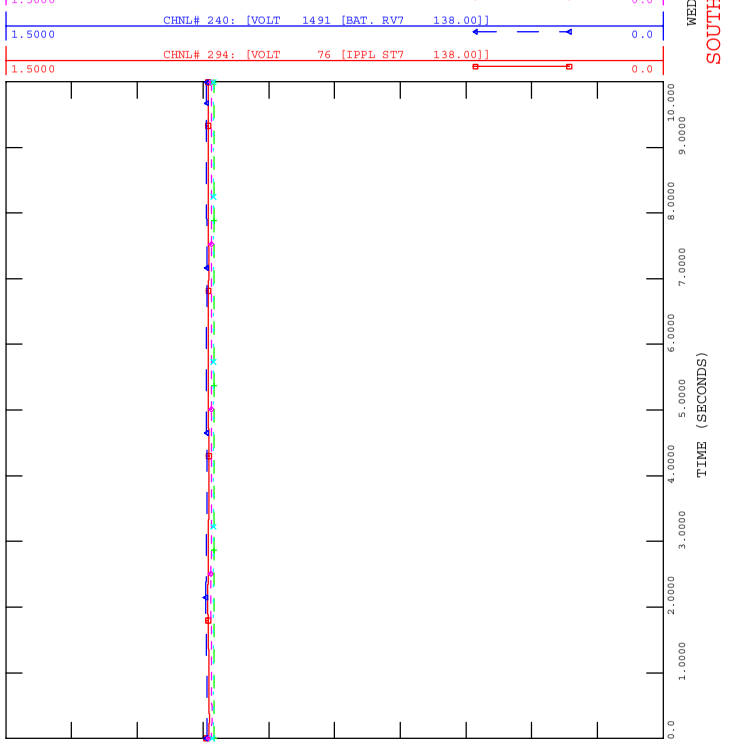


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WIND MACHINE SPEED

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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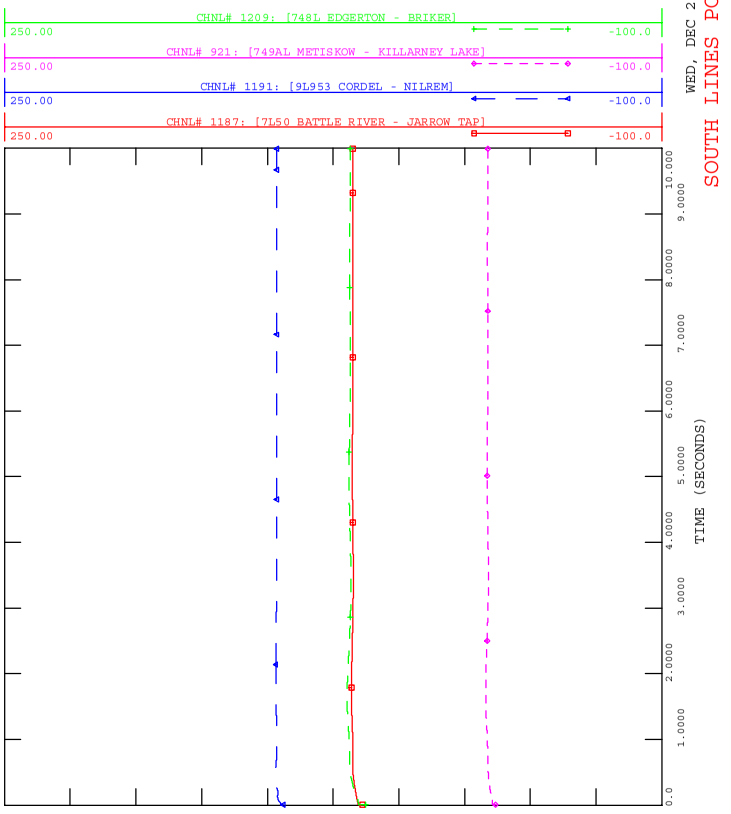


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SOUTH BUS VOLTAGES

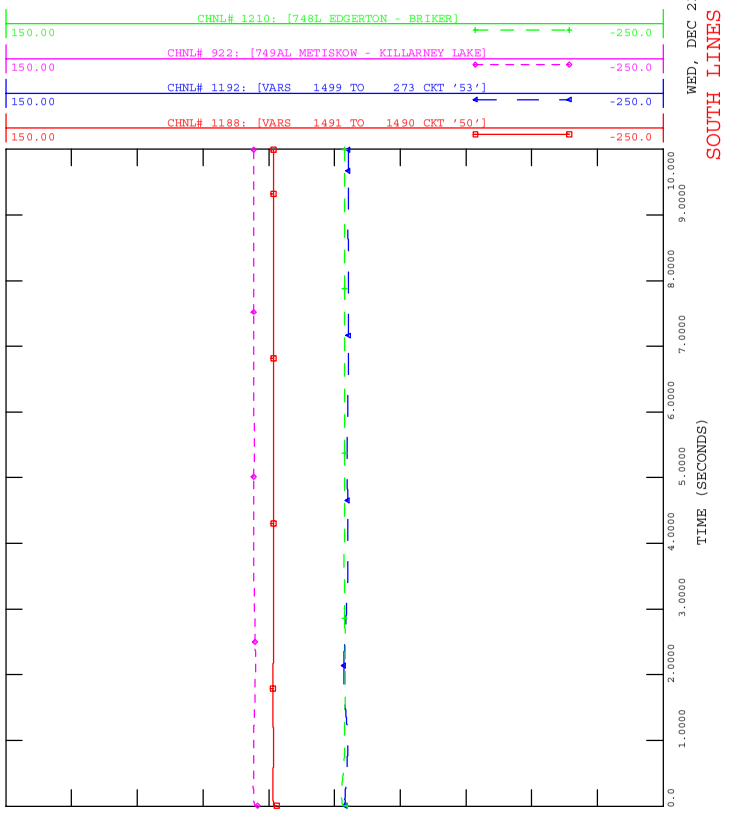
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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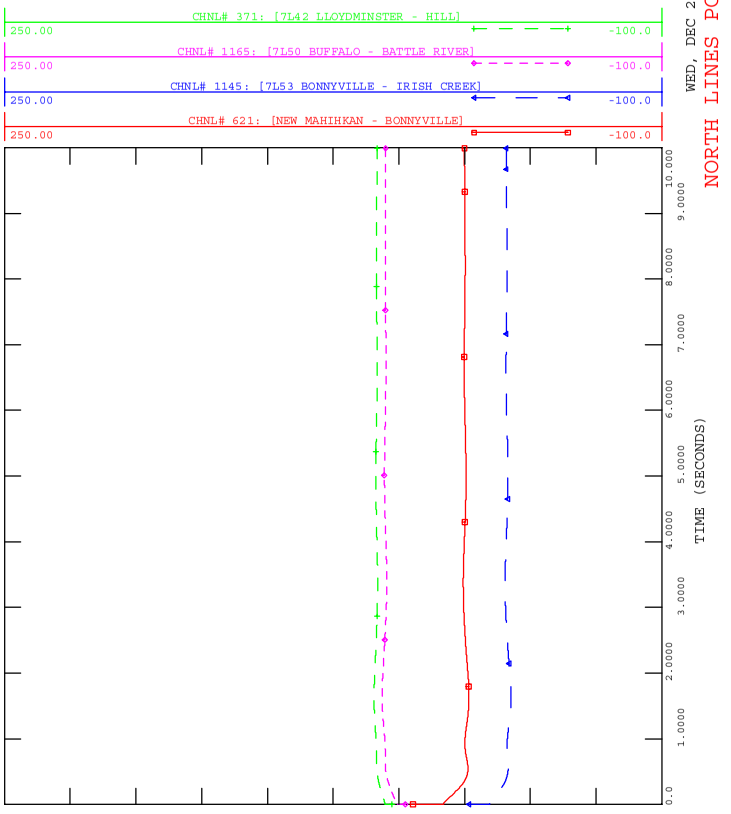
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2017 SUMMER LIGHT BASE CASE REVISION 7.2

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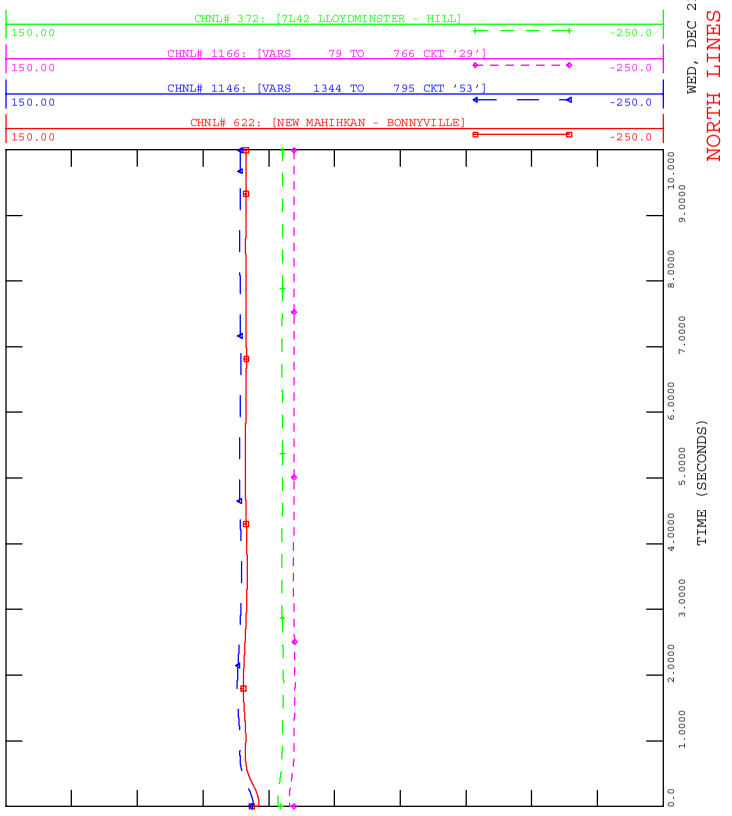
CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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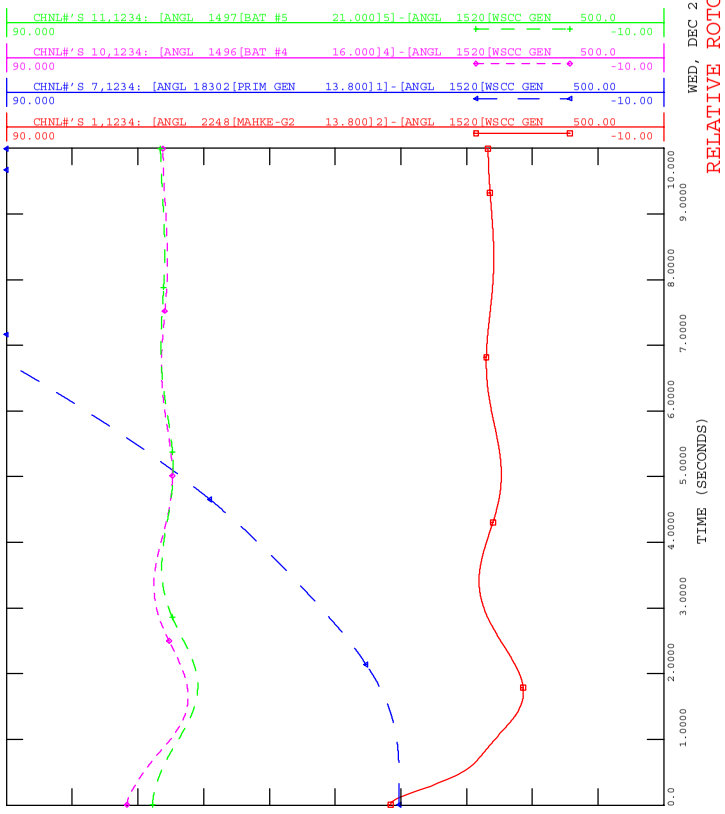


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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RELATIVE ROTOR ANGLES

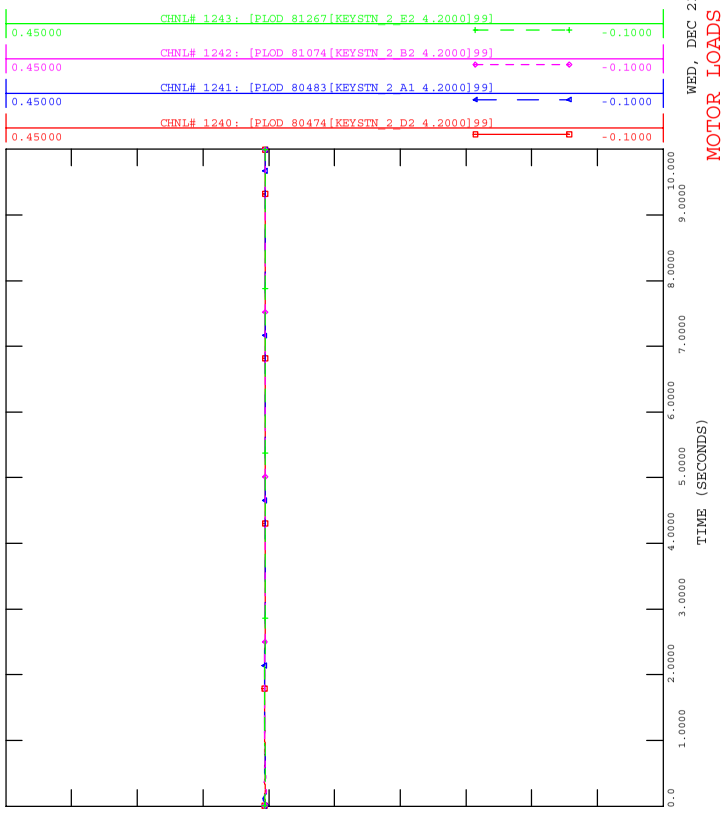


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MOTOR LOADS GROUP II

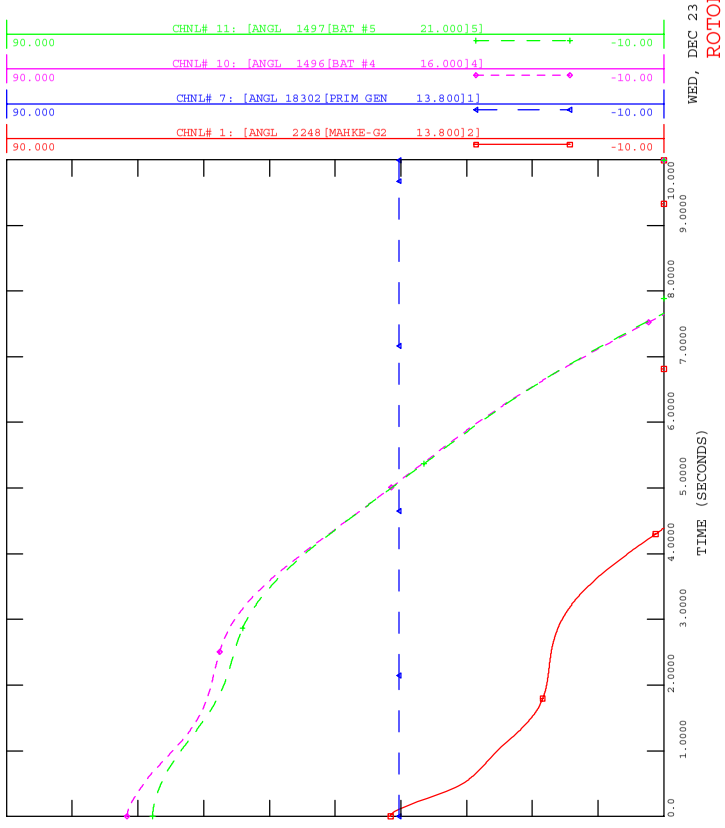


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

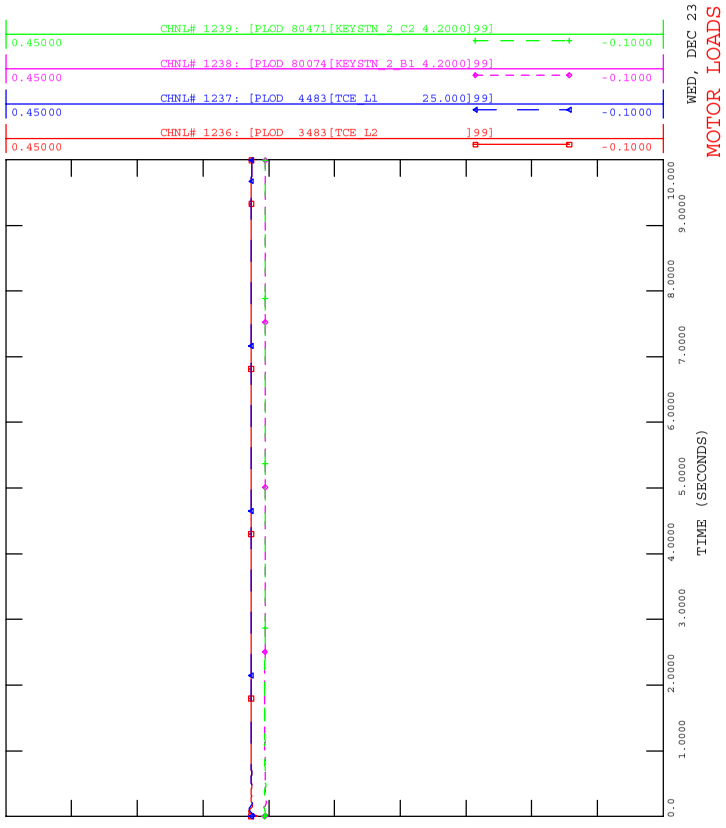


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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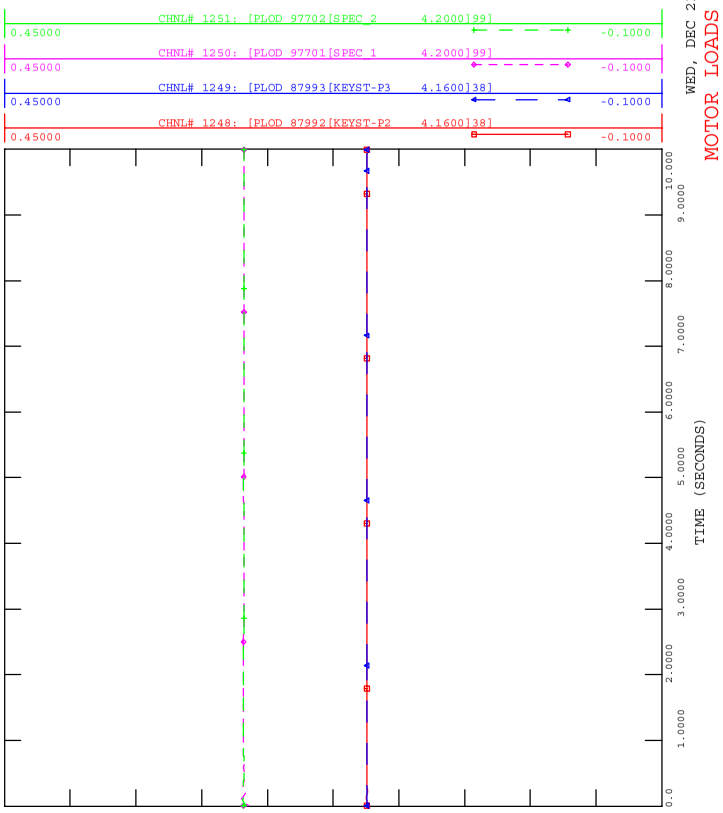
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MOTOR LOADS GROUP I



CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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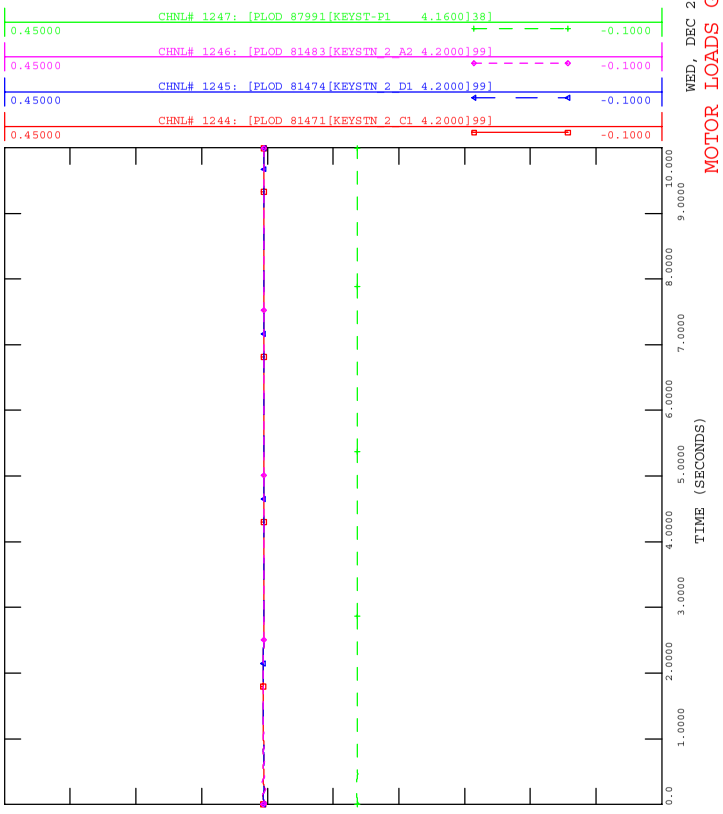


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MOTOR LOADS GROUP IV

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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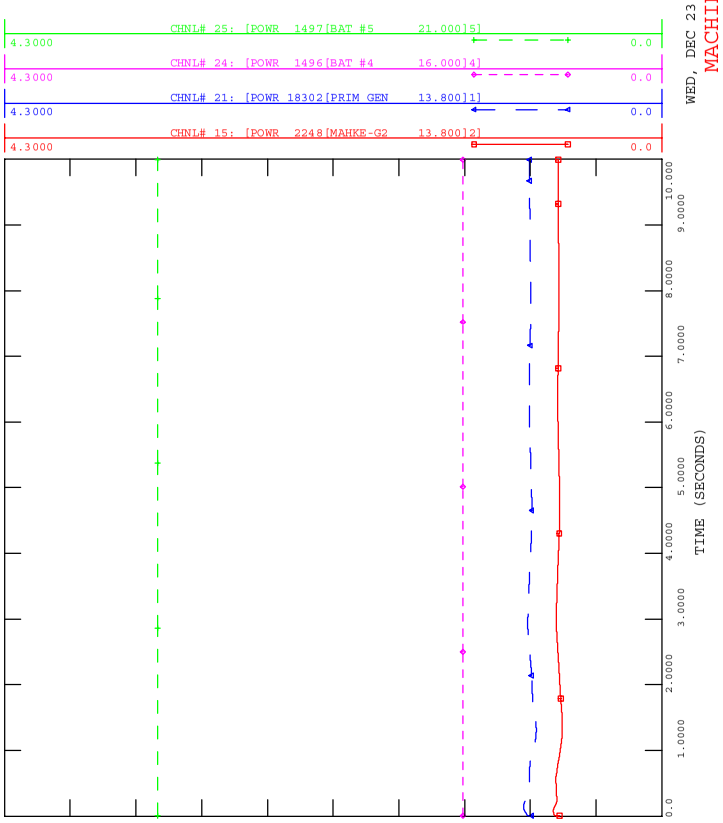
MOTOR LOADS GROUP III

CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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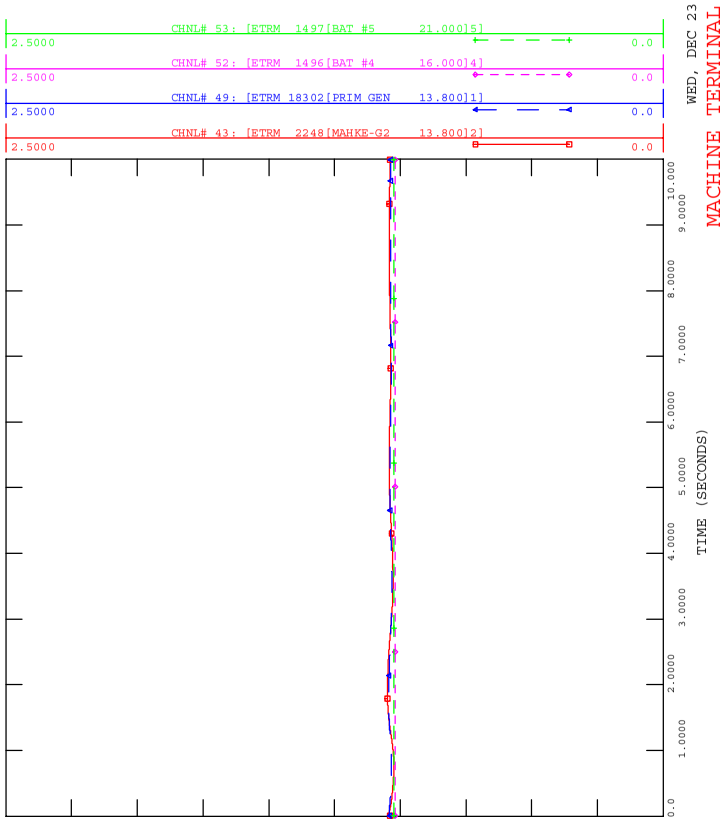


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE TERMINAL VOLTAGE

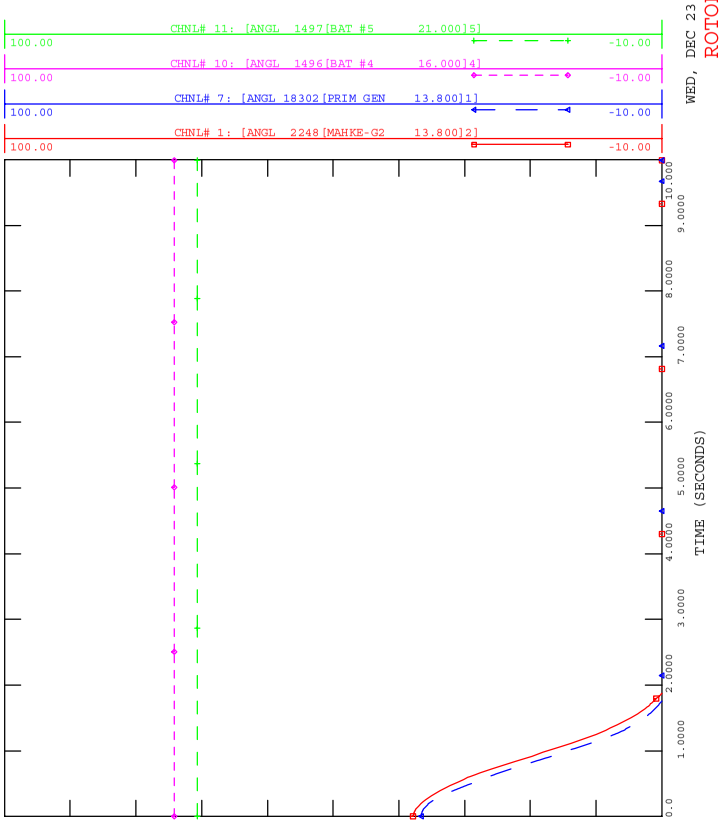


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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ROTOR ANGLES

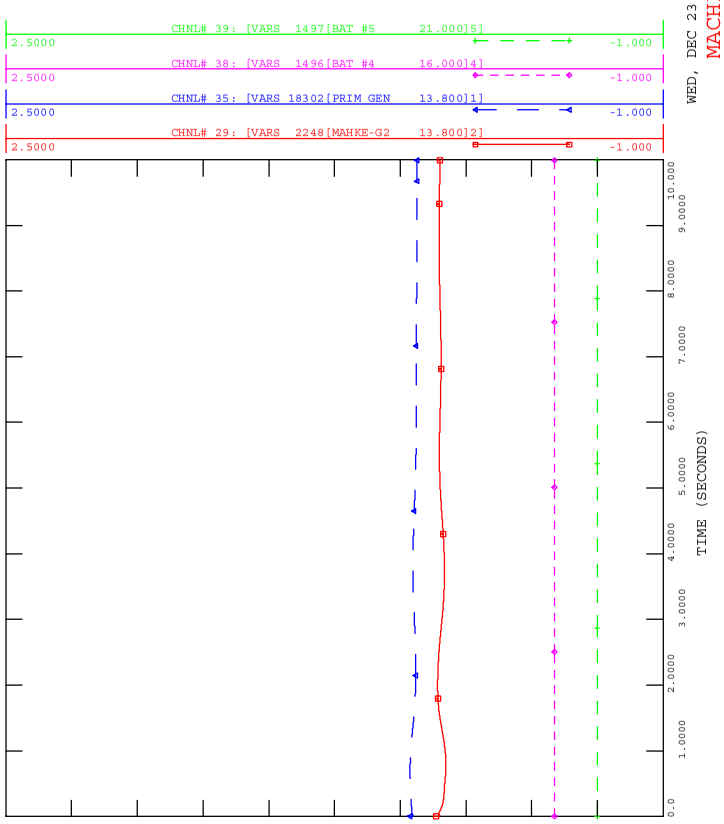


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE VARS

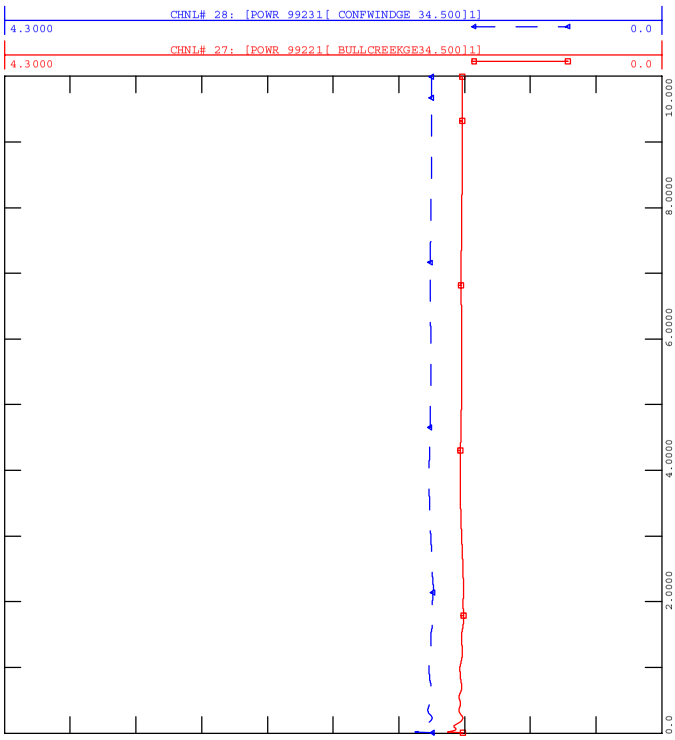


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE POWER

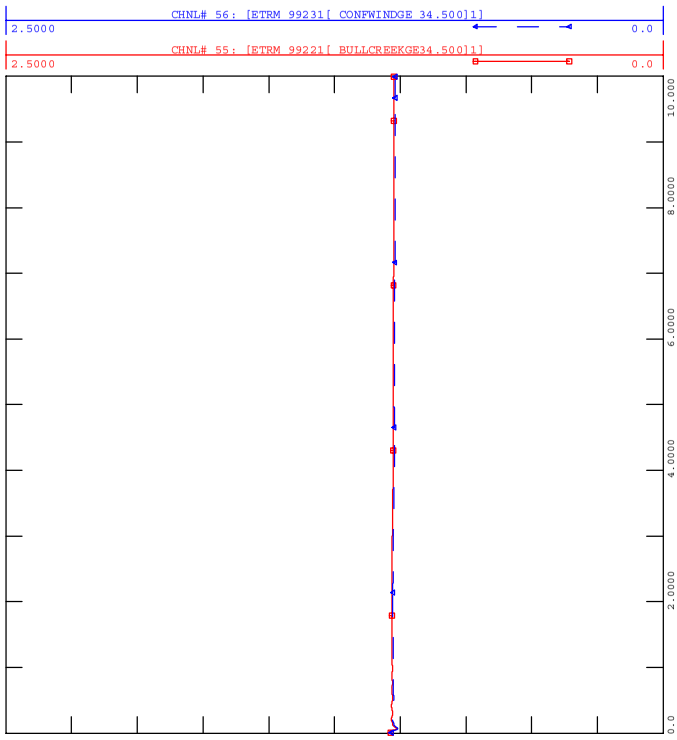


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACH. TERMINAL VOLTS

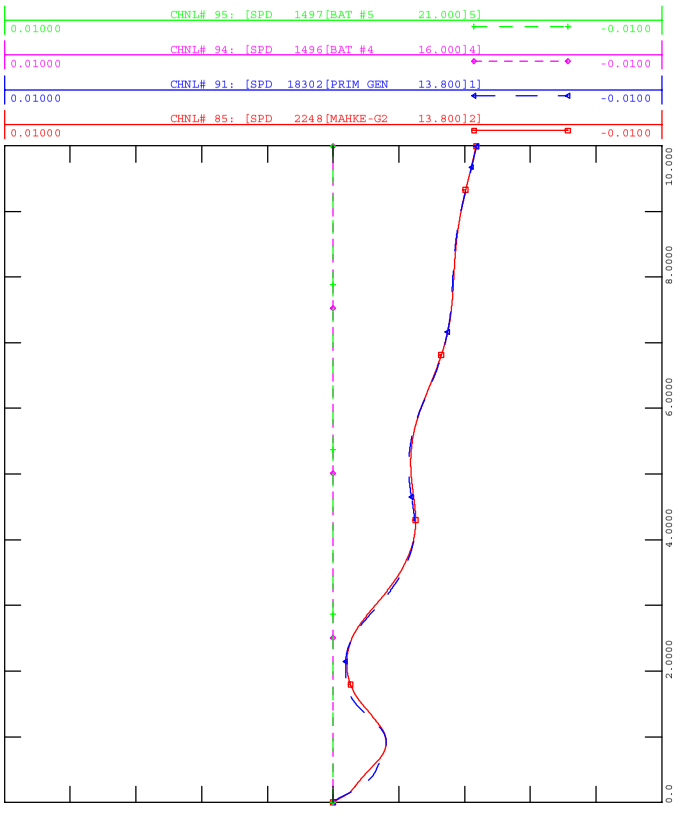


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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MACHINE SPEED

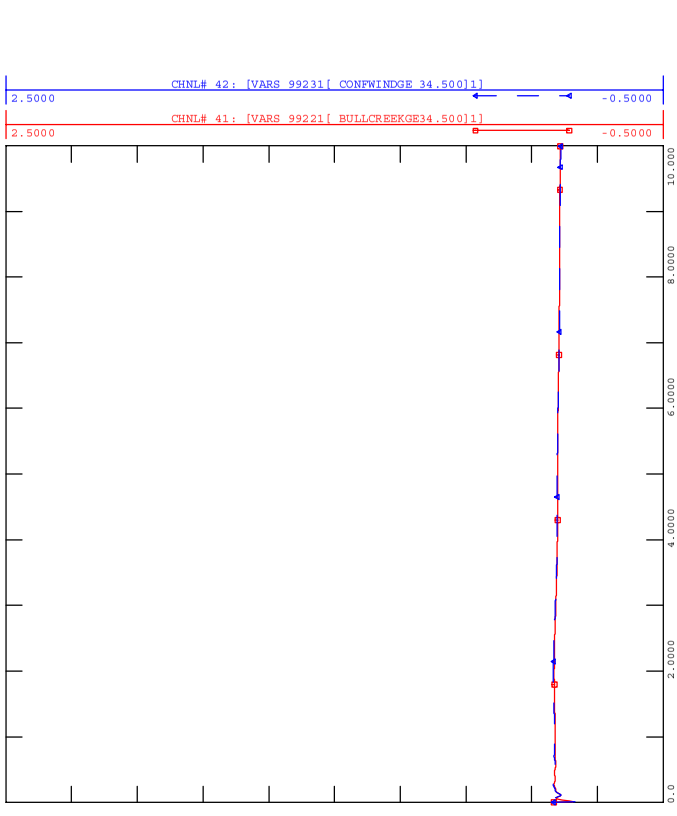


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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WIND MACHINE VARS

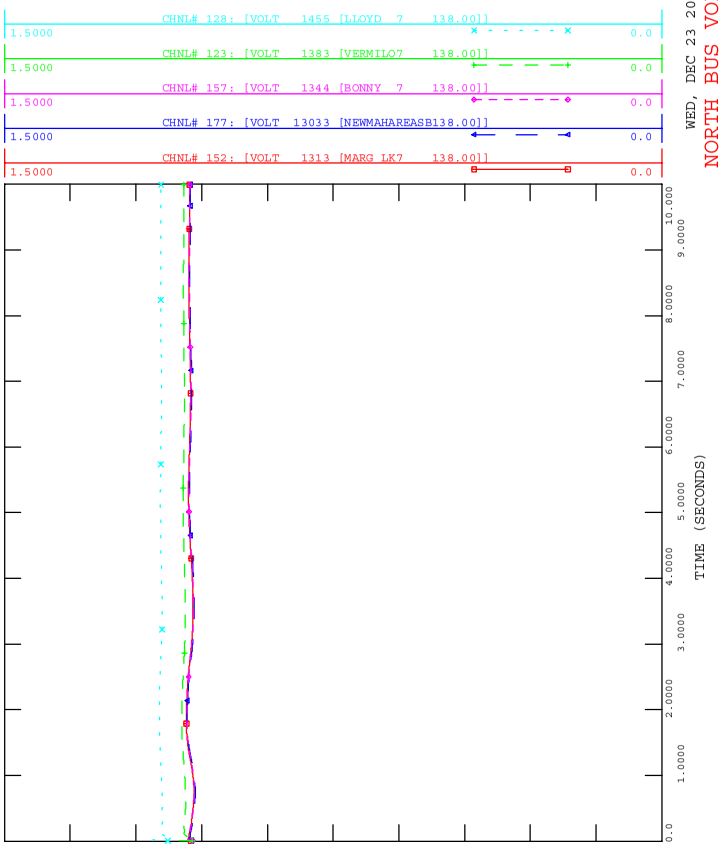


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

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NORTH BUS VOLTAGES

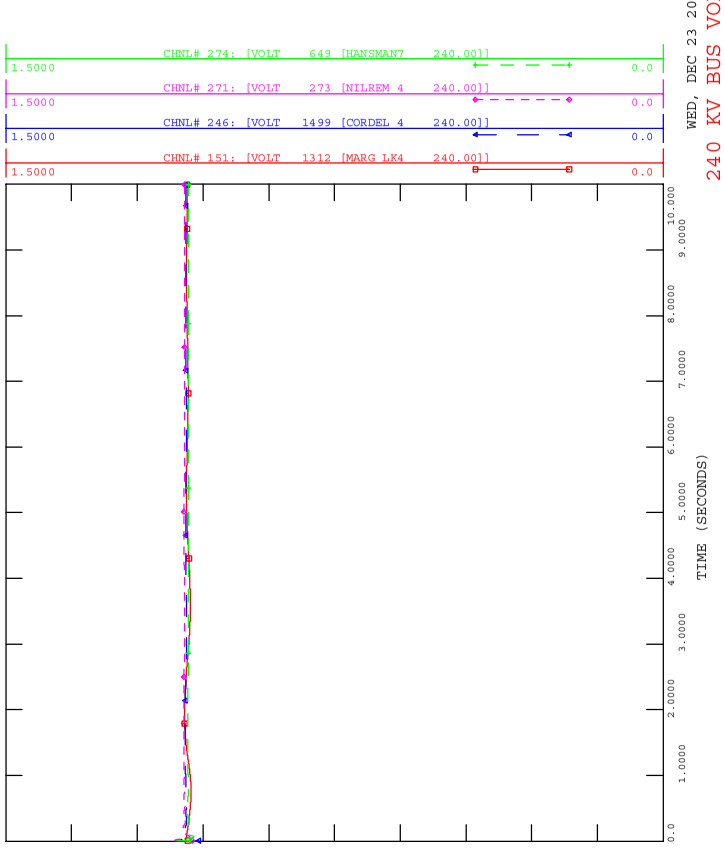


CENTRAL AREA STUDY
2017 SUMMER LIGHT BASE CASE REVISION 7.2

FILE: D10-2Trip.out

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240 KV BUS VOLTAGES

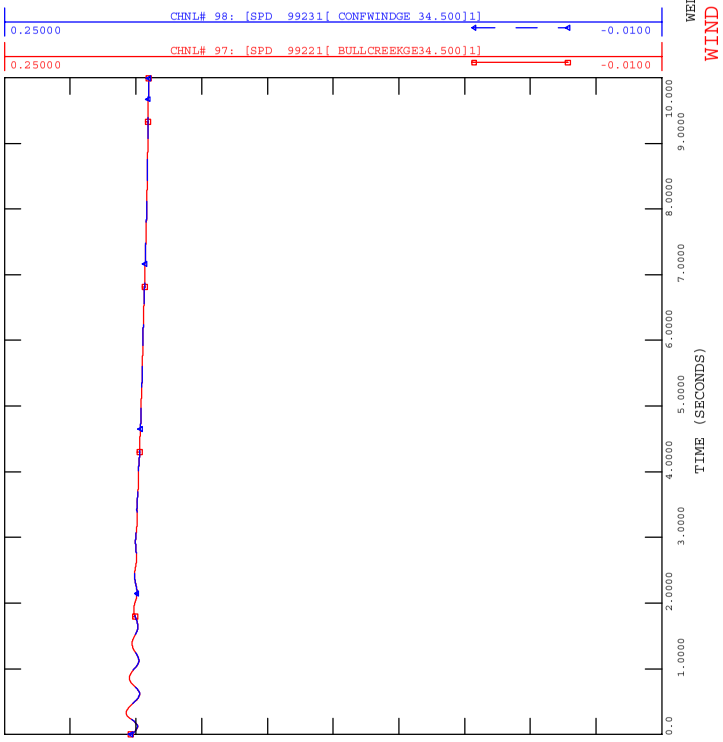


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WIND MACHINE SPEED

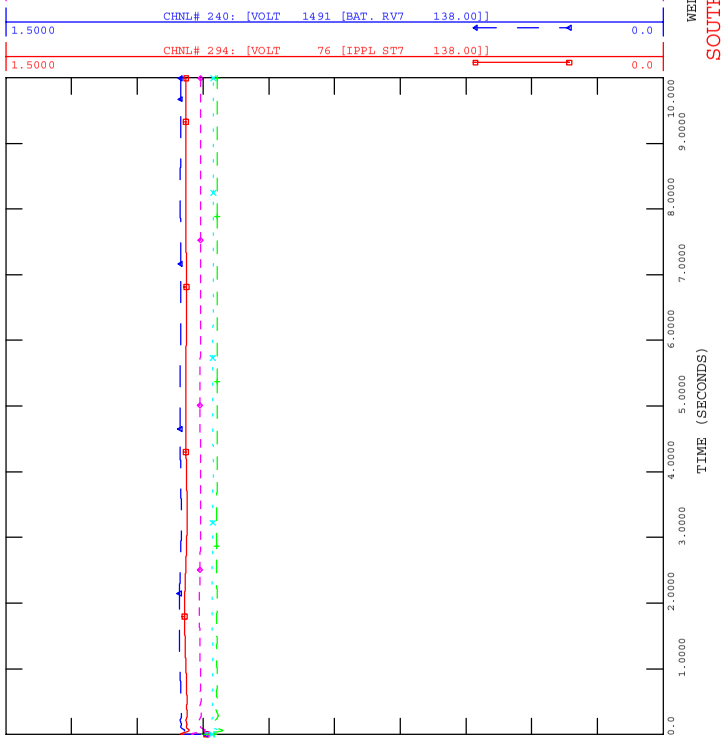


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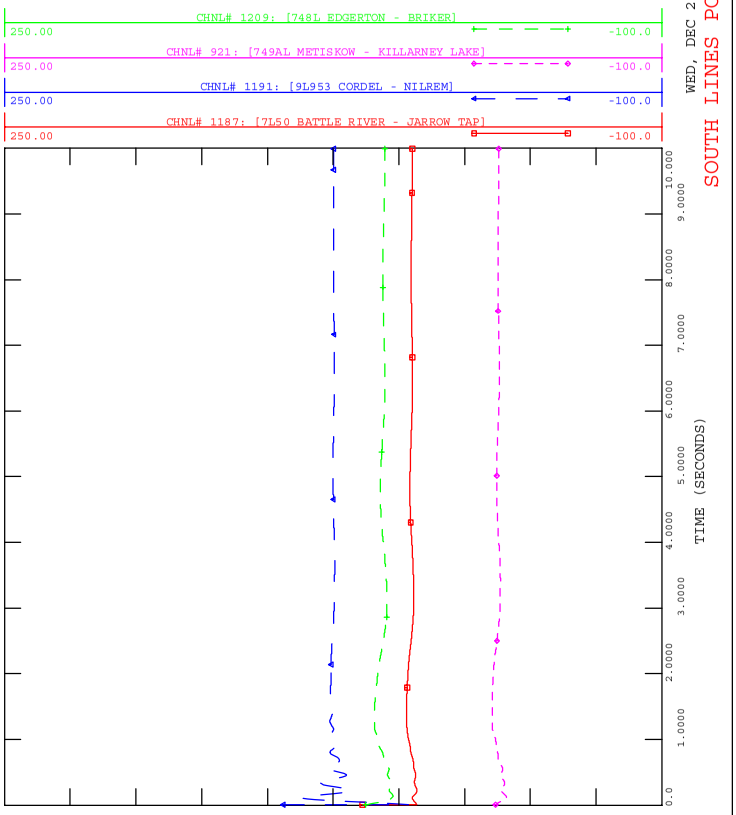
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SOUTH BUS VOLTAGES



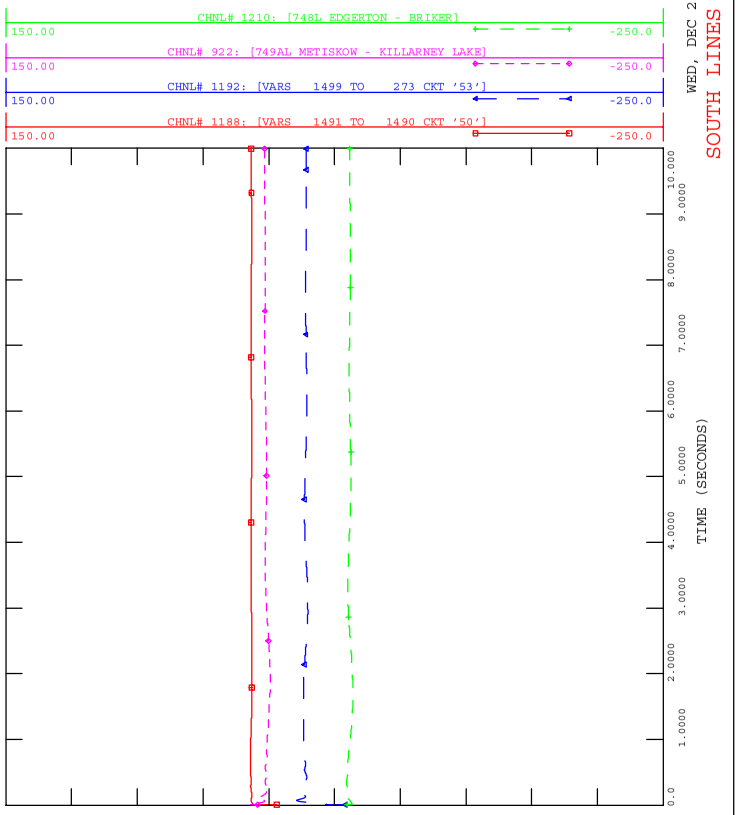
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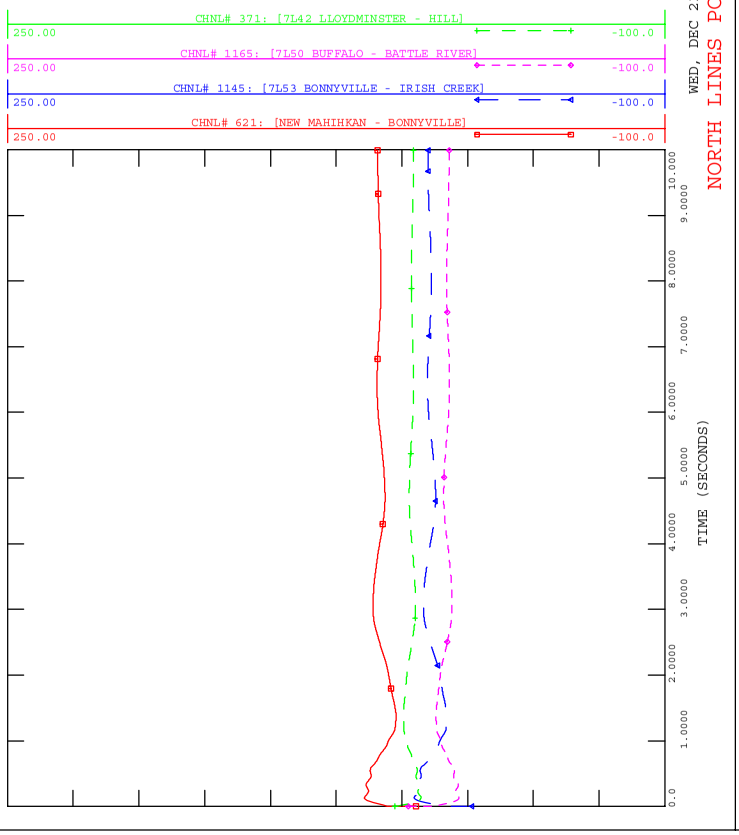
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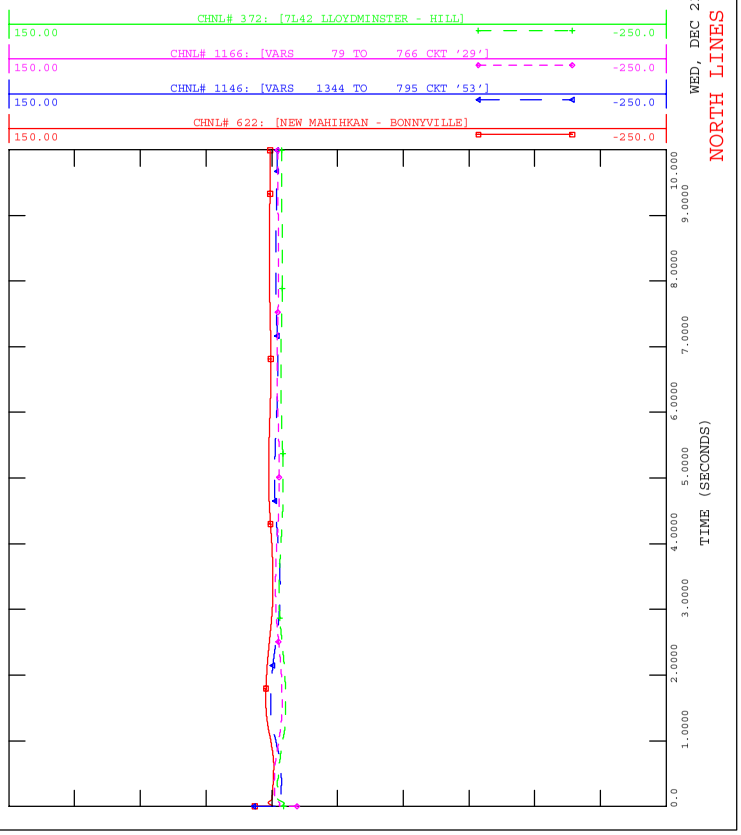
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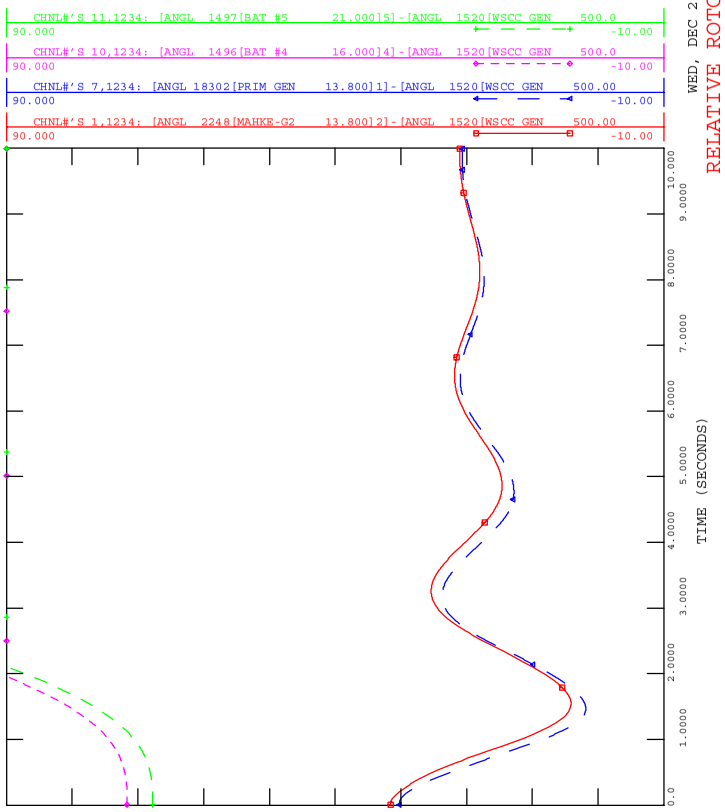


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RELATIVE ROTOR ANGLES

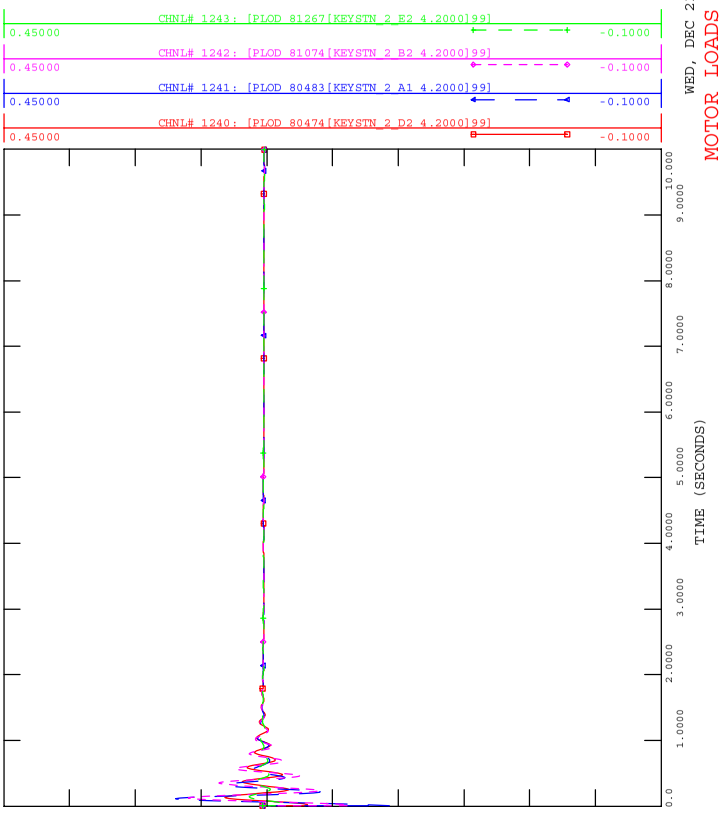


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MOTOR LOADS GROUP II

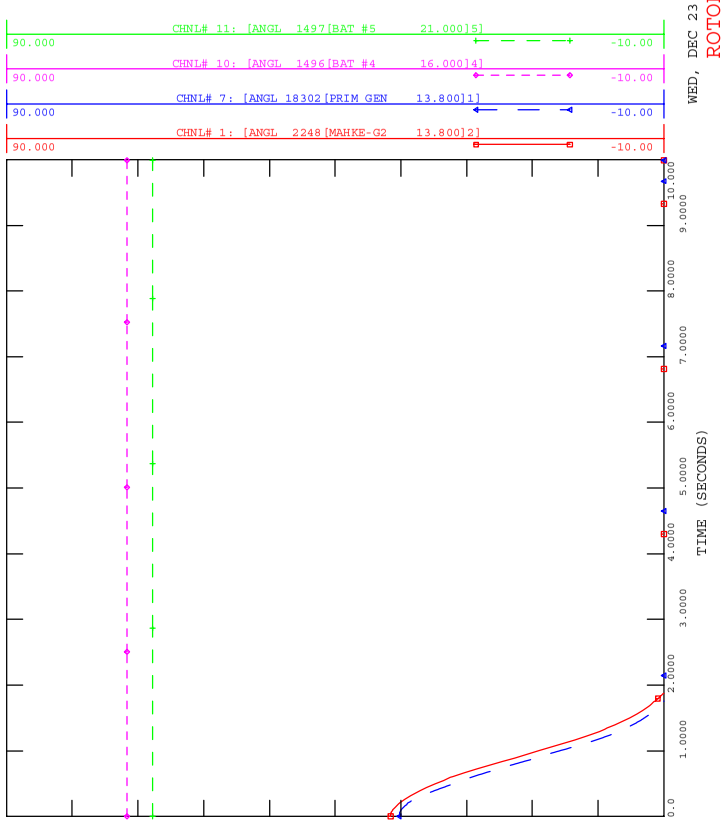


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ROTOR ANGLES

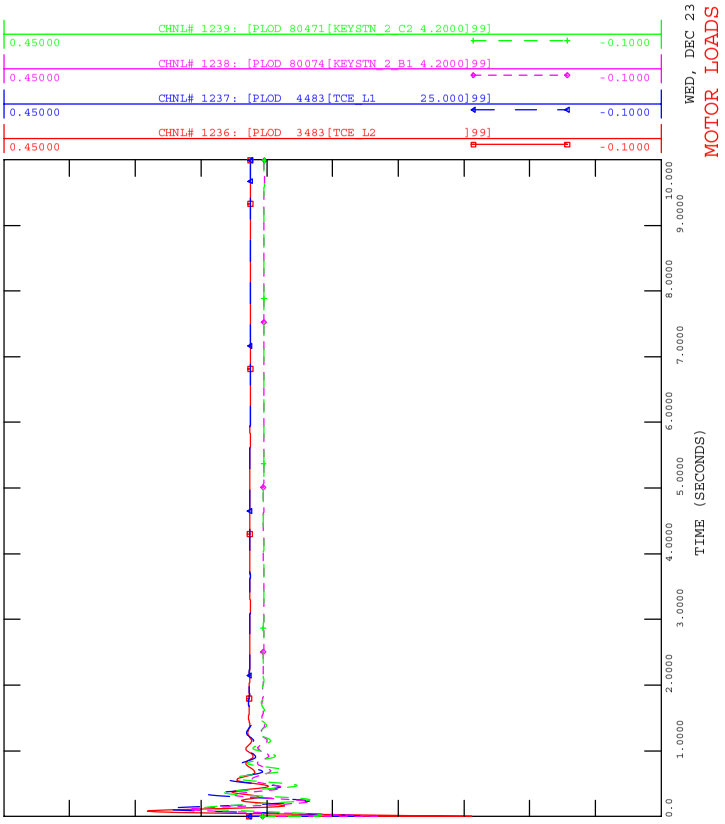


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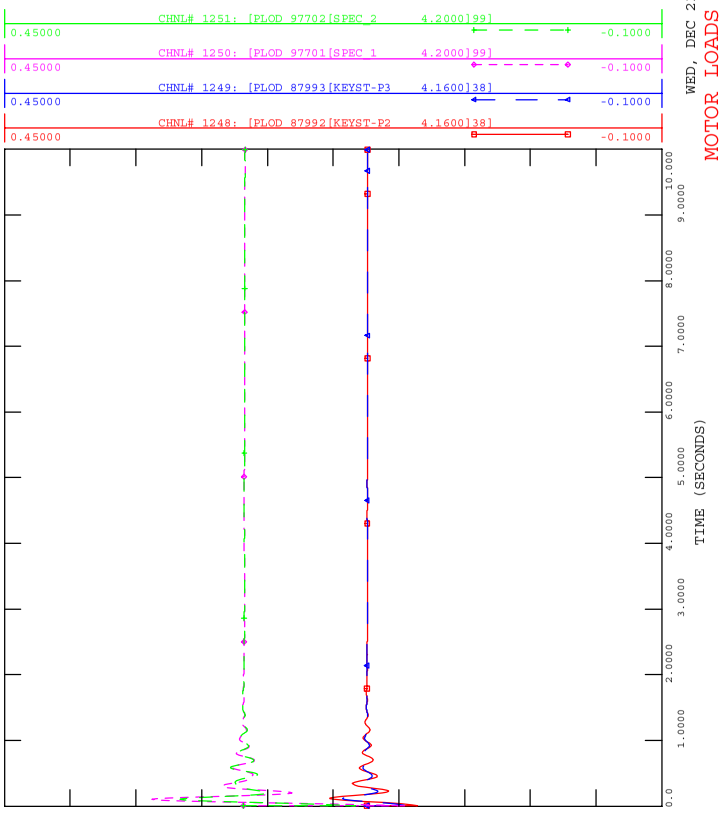
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MOTOR LOADS GROUP I



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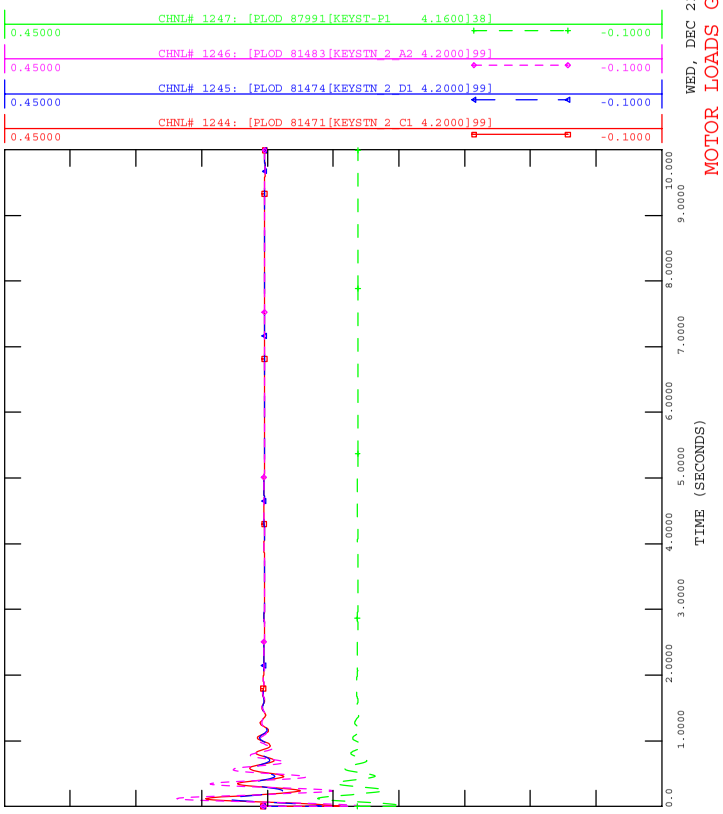


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MOTOR LOADS GROUP IV

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MOTOR LOADS GROUP III