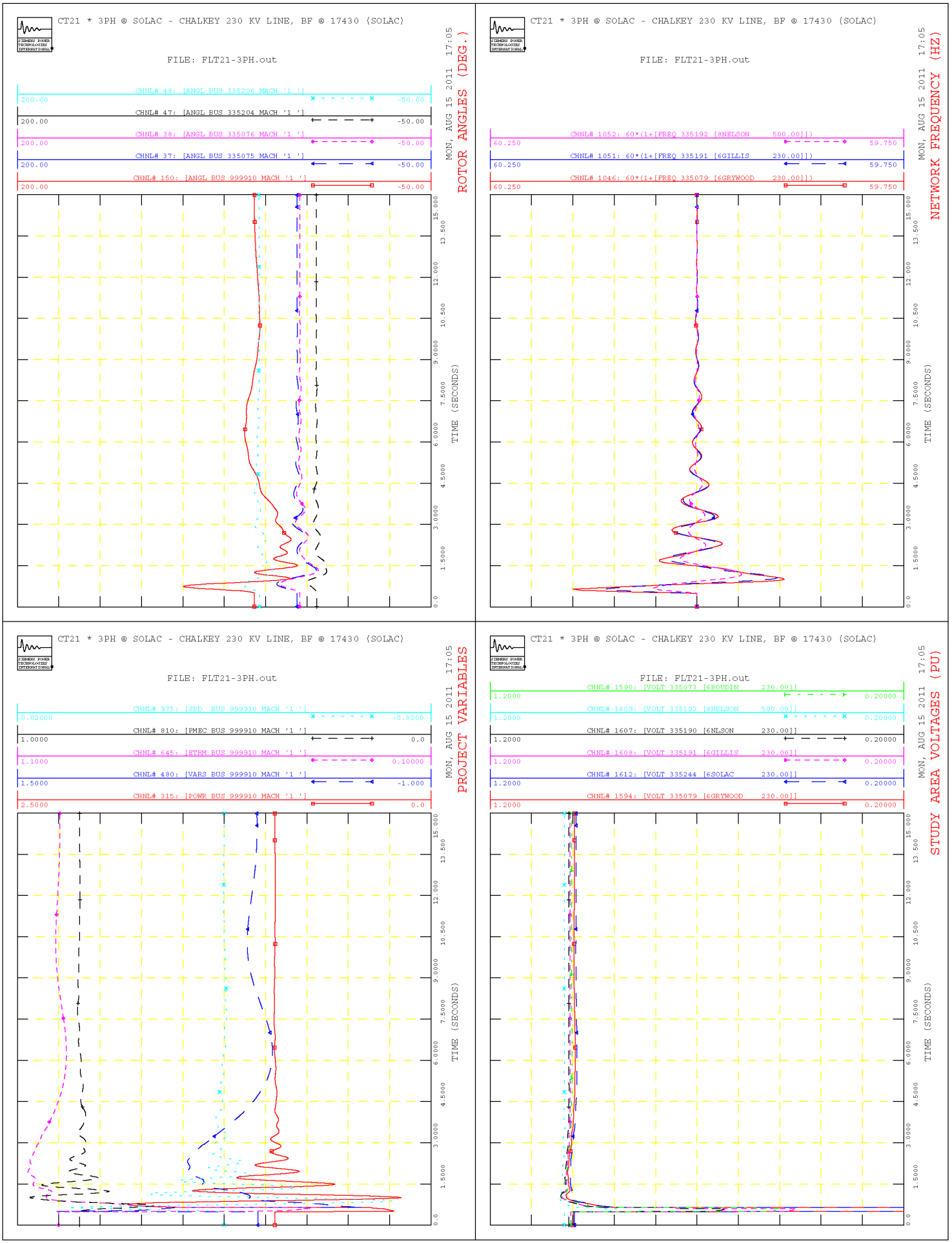
Stability Plots

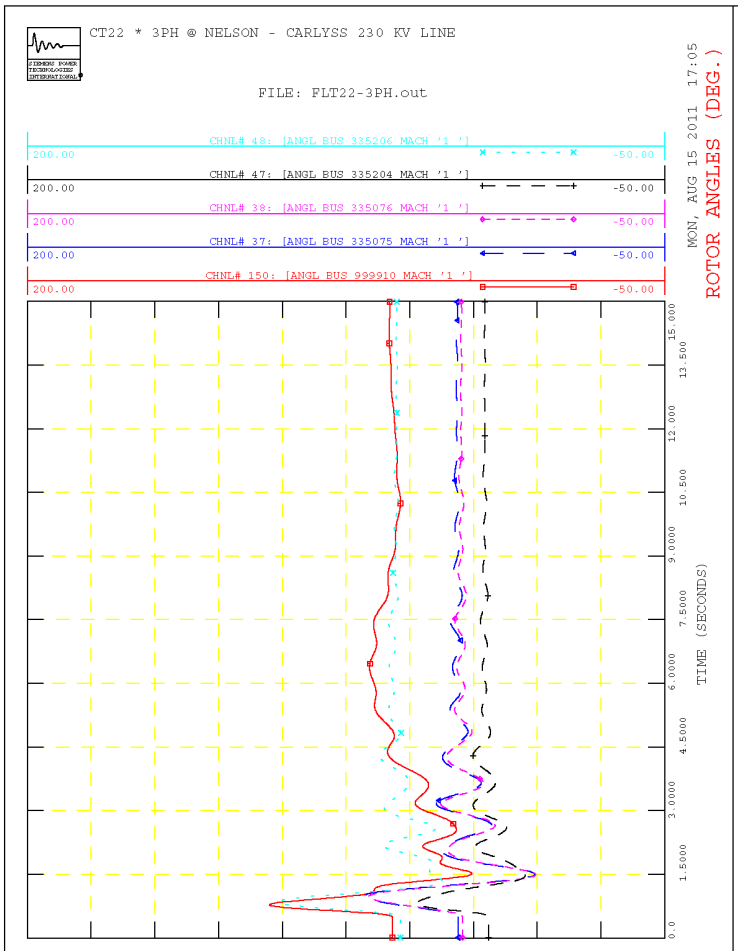
The stability plots for the evaluated contingencies are shown in this appendix. There are 4 plots per page, which include the following channels:

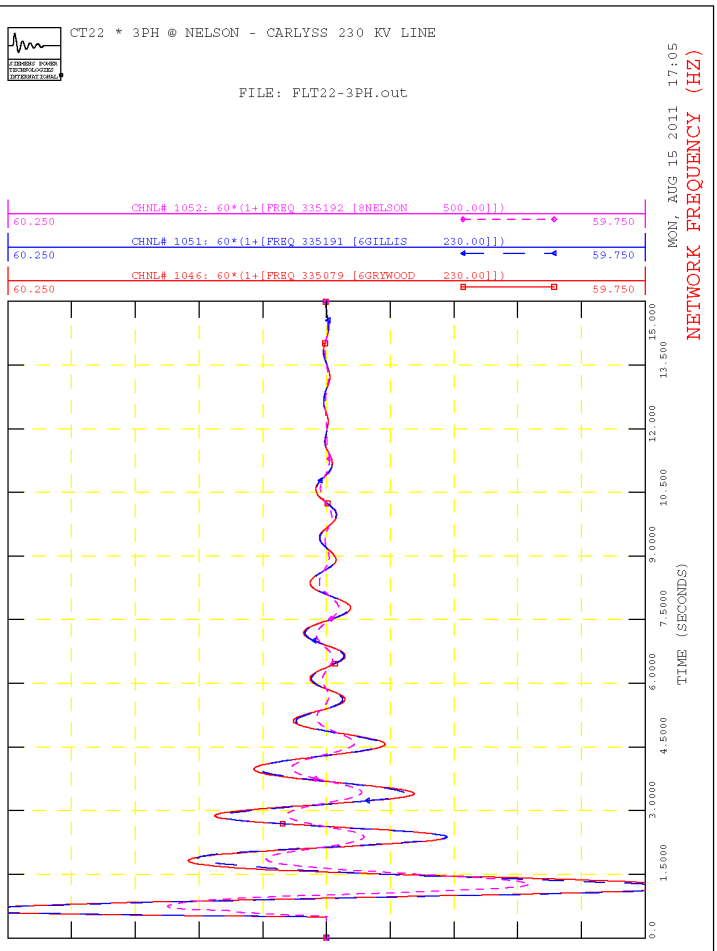
- Bus Voltages.
- PID 256 Project Mechanical Power and Speed Deviation.
- PID 256 P & Q output.
- Rotor Angles for the Synchronous Machines in the Study Area

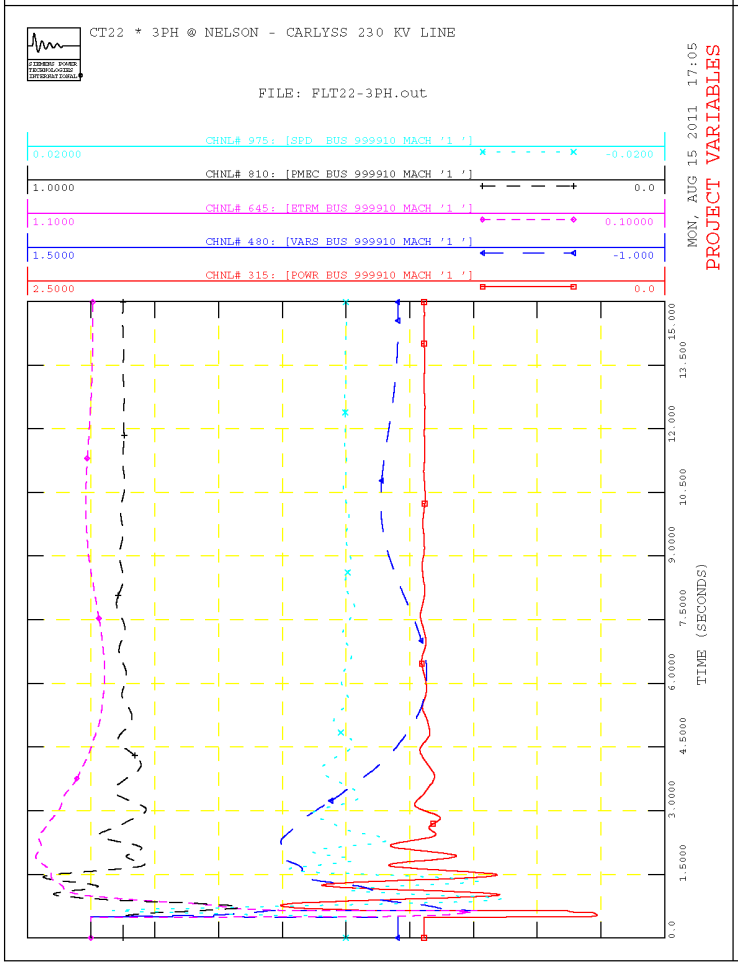
Fault 21

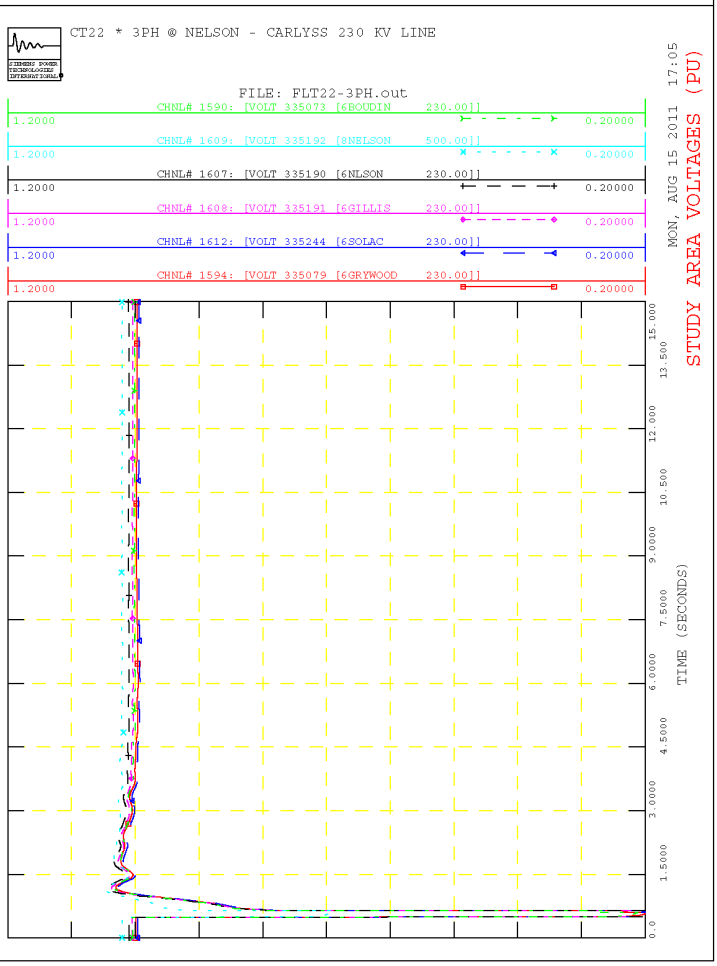

CT21 * 3PH @ SOLAC - CHALKEY 230 KV LINE, BF @ 17430 (SOLAC)
FILE: FLT21-3PH.out
MON, AUG 15 2011 17:05
ROTOR ANGLES (DEG.)
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
TIME (SECONDS)
CT21 * 3PH @ SOLAC - CHALKEY 230 KV LINE, BF @ 17430 (SOLAC)
FILE: FLT21-3PH.out
MON, AUG 15 2011 17:05
NETWORK FREQUENCY (HZ)
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
TIME (SECONDS)
CT21 * 3PH @ SOLAC - CHALKEY 230 KV LINE, BF @ 17430 (SOLAC)
FILE: FLT21-3PH.out
MON, AUG 15 2011 17:05
PROJECT VARIABLES
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
TIME (SECONDS)
CT21 * 3PH @ SOLAC - CHALKEY 230 KV LINE, BF @ 17430 (SOLAC)
FILE: FLT21-3PH.out
MON, AUG 15 2011 17:05
STUDY AREA VOLTAGES (PU)
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
TIME (SECONDS)

Fault 22

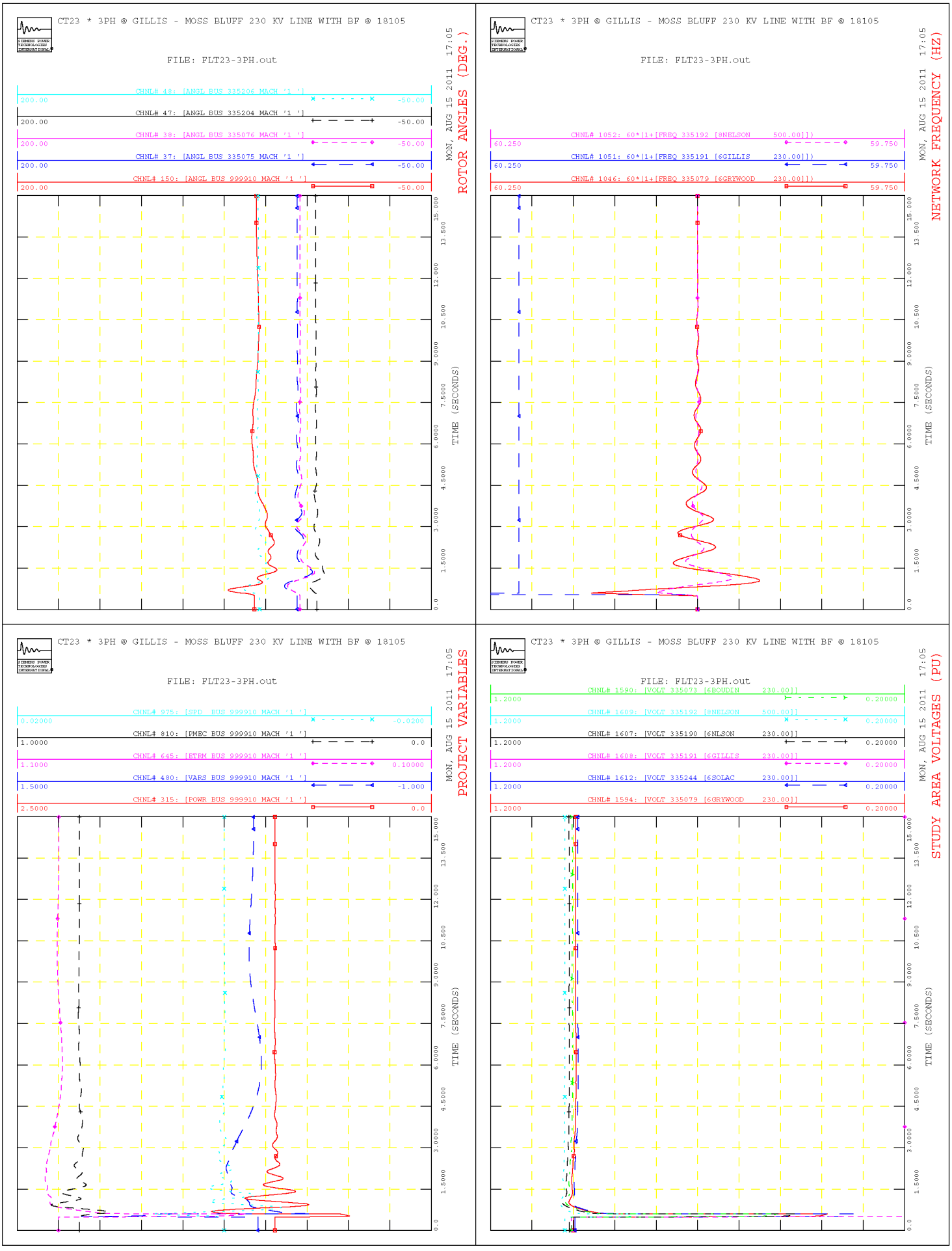

CT22 * 3PH @ NELSON - CARLYSS 230 KV LINE
FILE: FLT22-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
MON, AUG 15 2011 17:05
ROTOR ANGLES (DEG.)
TIME (SECONDS)


CT22 * 3PH @ NELSON - CARLYSS 230 KV LINE
FILE: FLT22-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
MON, AUG 15 2011 17:05
NETWORK FREQUENCY (HZ)
TIME (SECONDS)

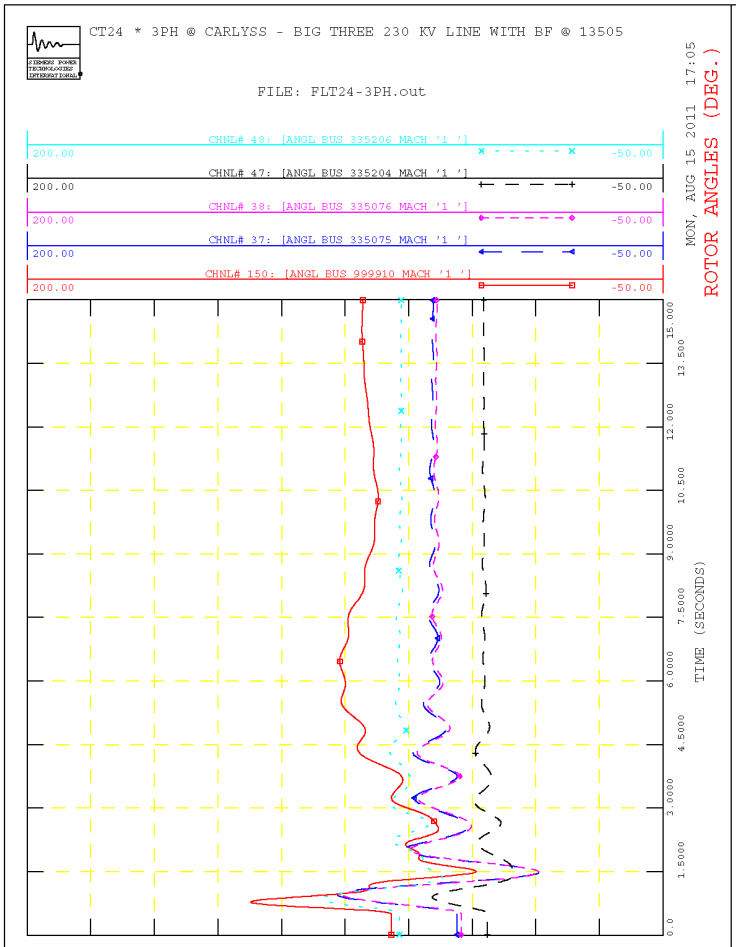

CT22 * 3PH @ NELSON - CARLYSS 230 KV LINE
FILE: FLT22-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
MON, AUG 15 2011 17:05
PROJECT VARIABLES
TIME (SECONDS)

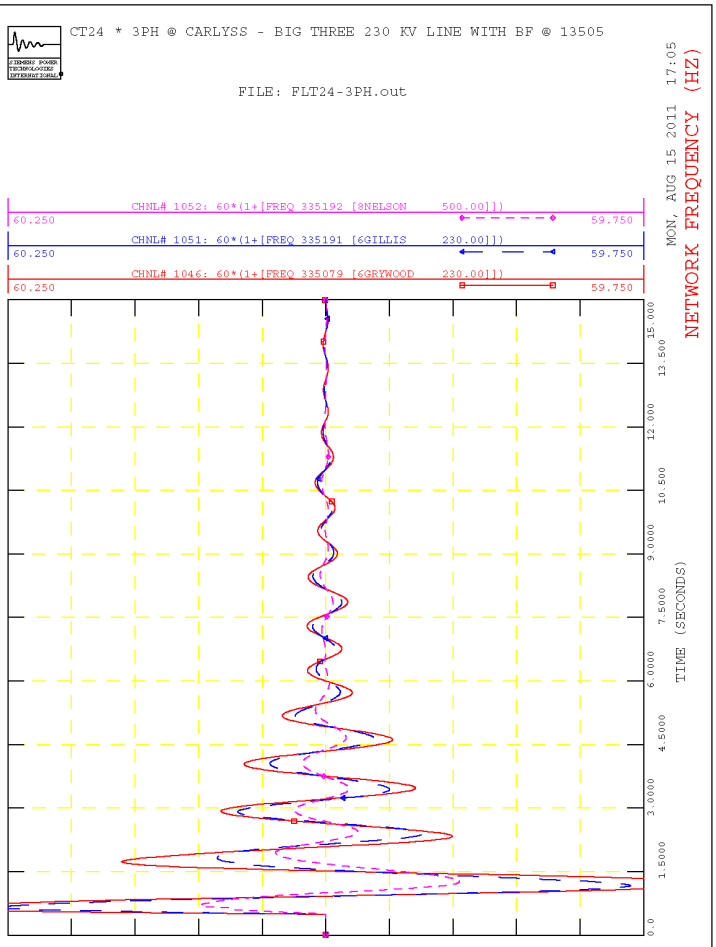

CT22 * 3PH @ NELSON - CARLYSS 230 KV LINE
FILE: FLT22-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
MON, AUG 15 2011 17:05
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)

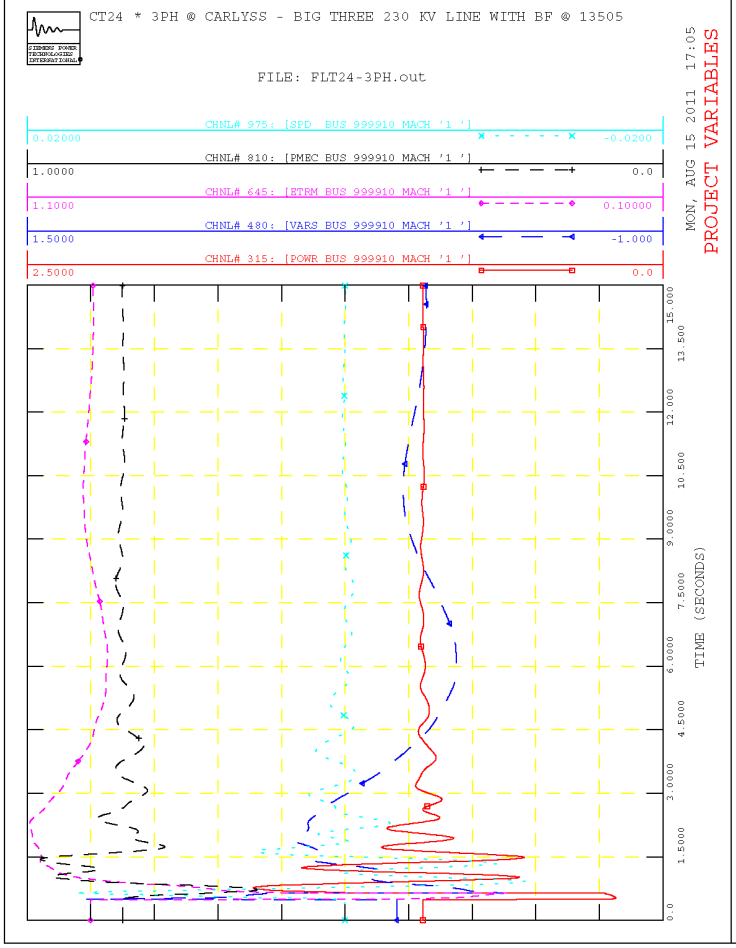
Fault 23

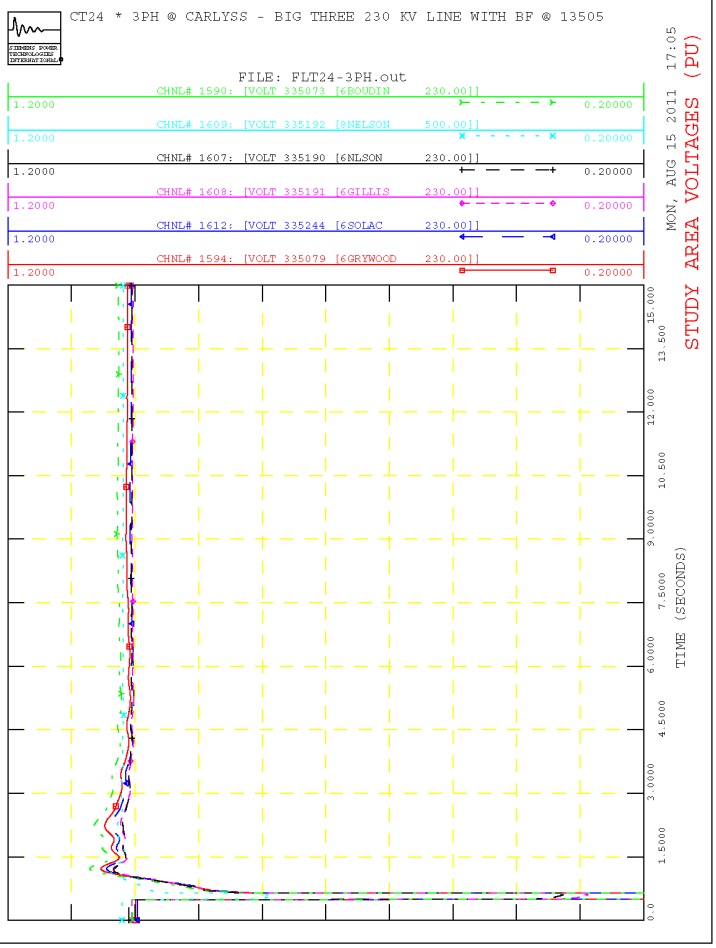

CT23 * 3PH @ GILLIS - MOSS BLUFF 230 KV LINE WITH BF @ 18105
FILE: FLT23-3PH.out
MON, AUG 15 2011 17:05
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
TIME (SECONDS)
CT23 * 3PH @ GILLIS - MOSS BLUFF 230 KV LINE WITH BF @ 18105
FILE: FLT23-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
TIME (SECONDS)
CT23 * 3PH @ GILLIS - MOSS BLUFF 230 KV LINE WITH BF @ 18105
FILE: FLT23-3PH.out
MON, AUG 15 2011 17:05
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
TIME (SECONDS)
CT23 * 3PH @ GILLIS - MOSS BLUFF 230 KV LINE WITH BF @ 18105
FILE: FLT23-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)

Fault 24

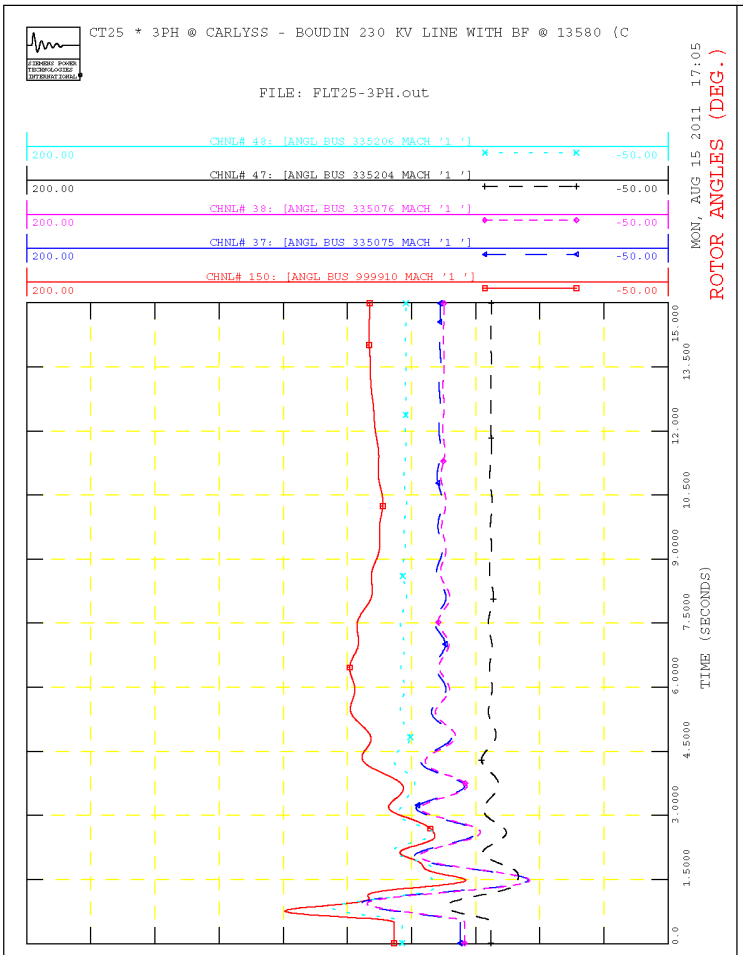

CT24 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13505
FILE: FLT24-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
MON, AUG 15 2011 17:05
ROTOR ANGLES (DEG.)
TIME (SECONDS)

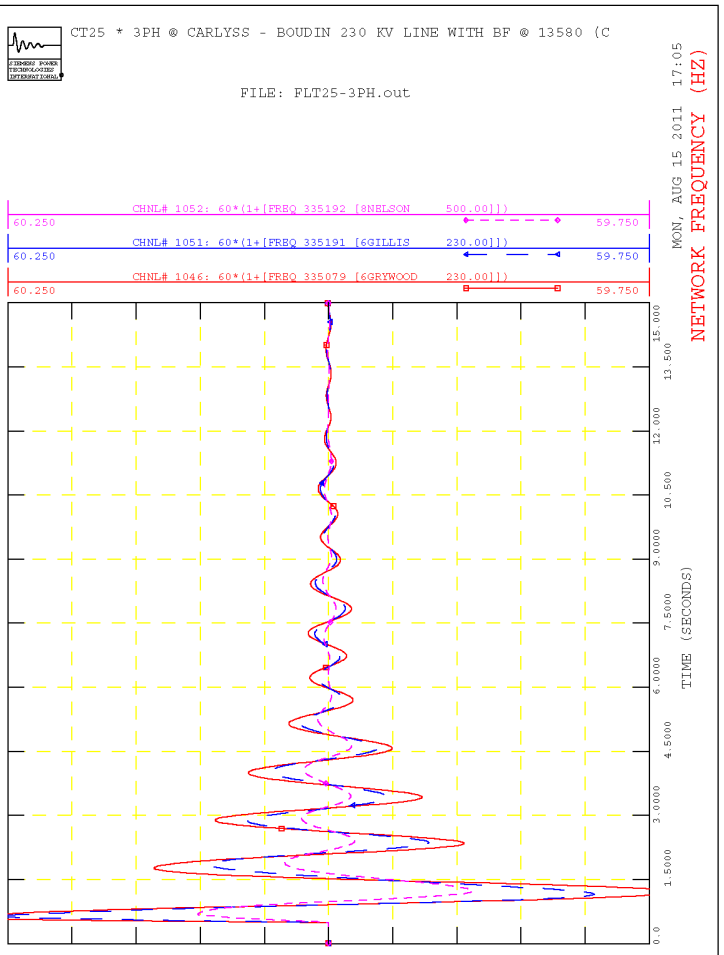

CT24 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13505
FILE: FLT24-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
MON, AUG 15 2011 17:05
NETWORK FREQUENCY (HZ)
TIME (SECONDS)

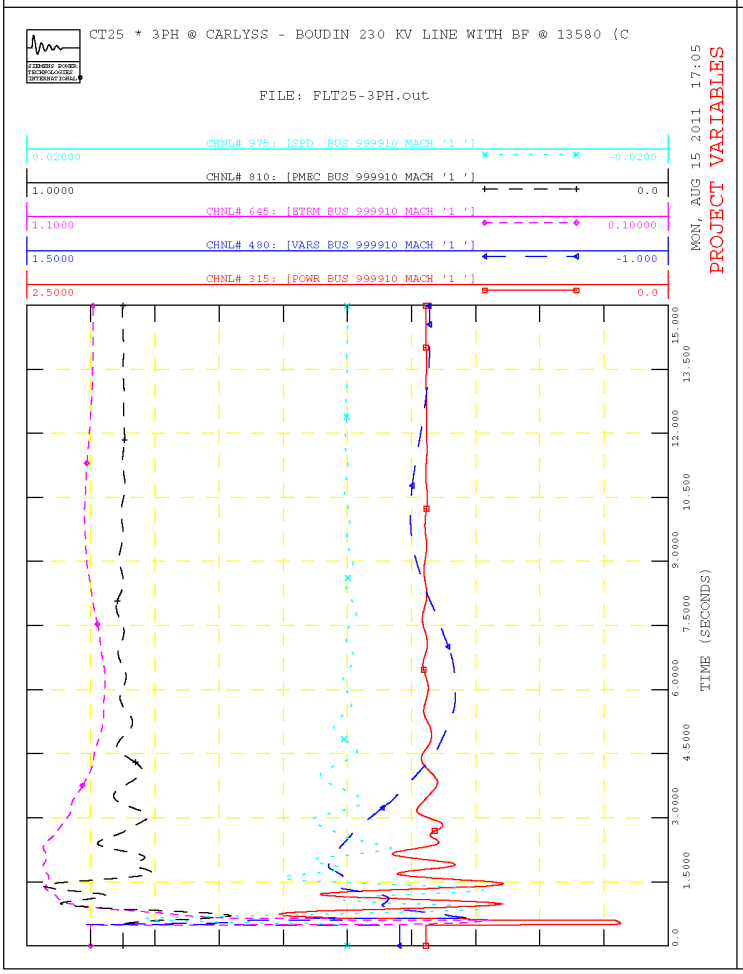

CT24 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13505
FILE: FLT24-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
MON, AUG 15 2011 17:05
PROJECT VARIABLES
TIME (SECONDS)

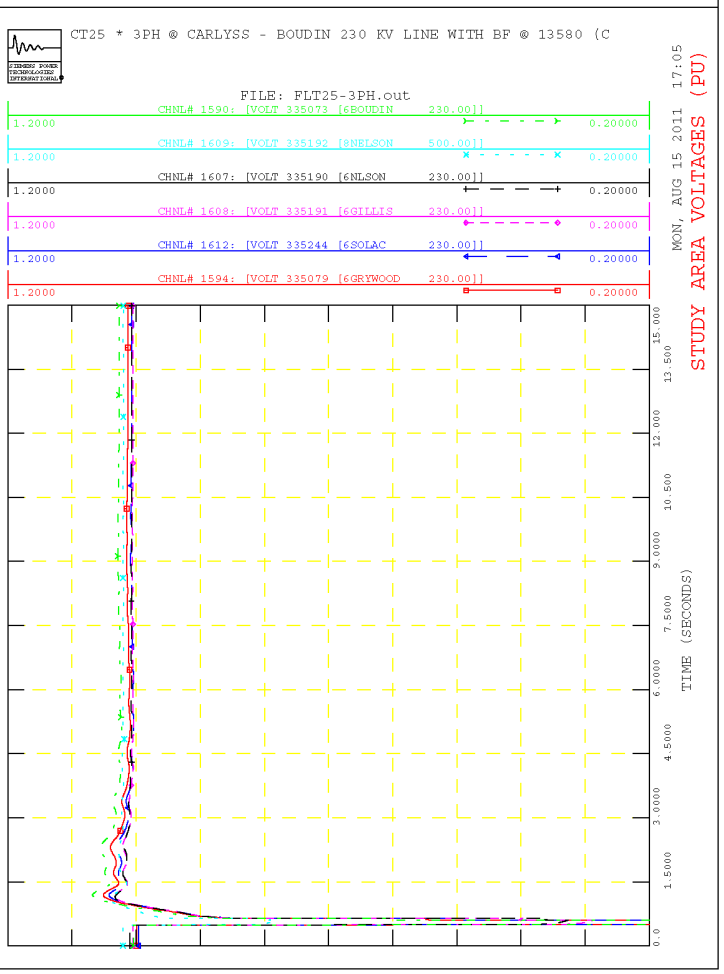

CT24 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13505
FILE: FLT24-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
MON, AUG 15 2011 17:05
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)

Fault 25

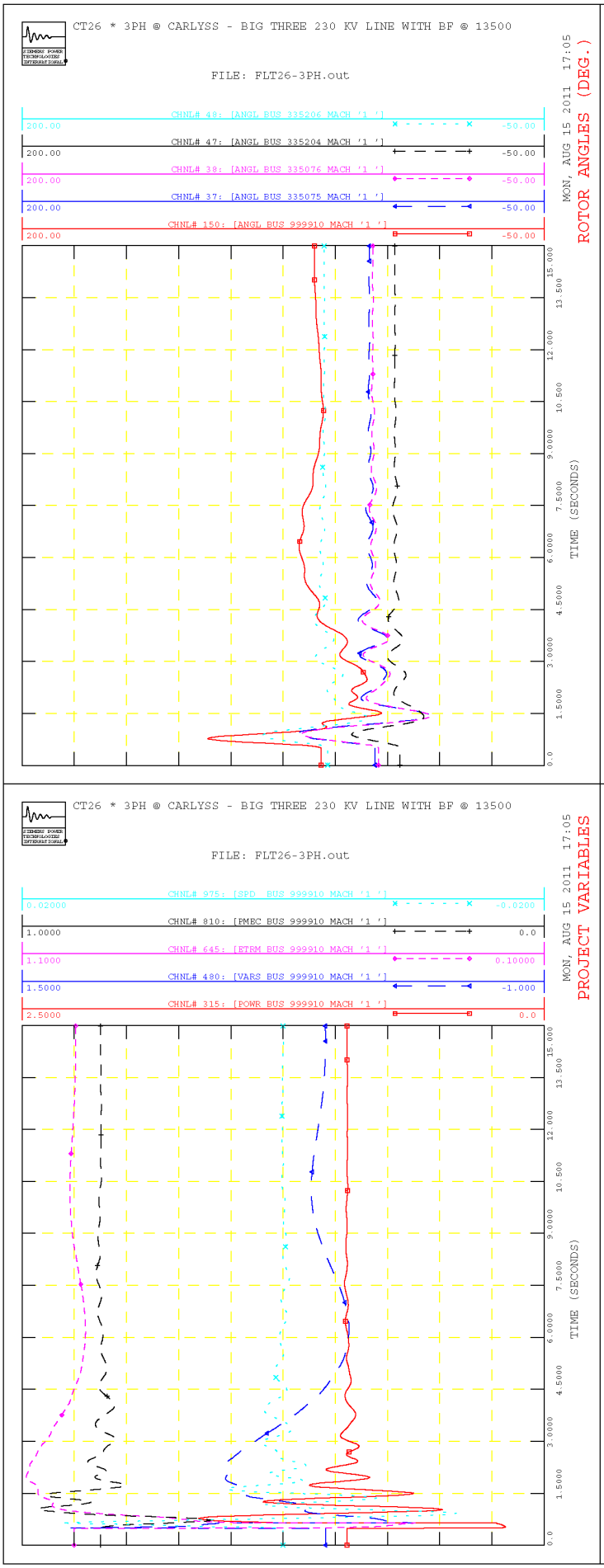

CT25 * 3PH @ CARLYSS - BOUDIN 230 KV LINE WITH BF @ 13580 (C
FILE: FLT25-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
MON, AUG 15 2011 17:05
ROTOR ANGLES (DEG.)
TIME (SECONDS)

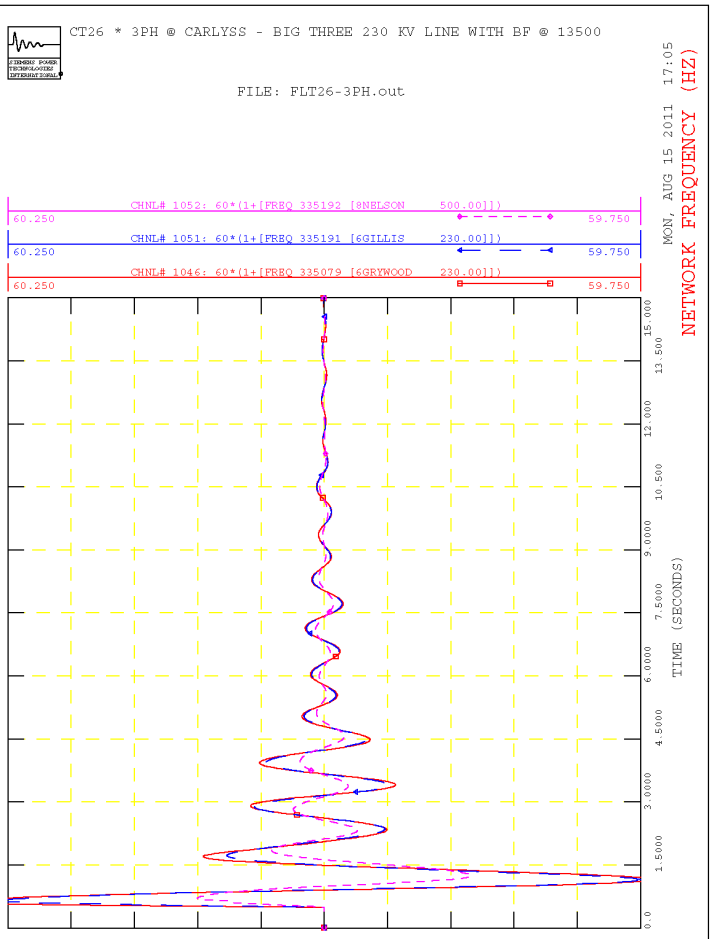

CT25 * 3PH @ CARLYSS - BOUDIN 230 KV LINE WITH BF @ 13580 (C
FILE: FLT25-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
MON, AUG 15 2011 17:05
NETWORK FREQUENCY (HZ)
TIME (SECONDS)


CT25 * 3PH @ CARLYSS - BOUDIN 230 KV LINE WITH BF @ 13580 (C
FILE: FLT25-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
MON, AUG 15 2011 17:05
PROJECT VARIABLES
TIME (SECONDS)

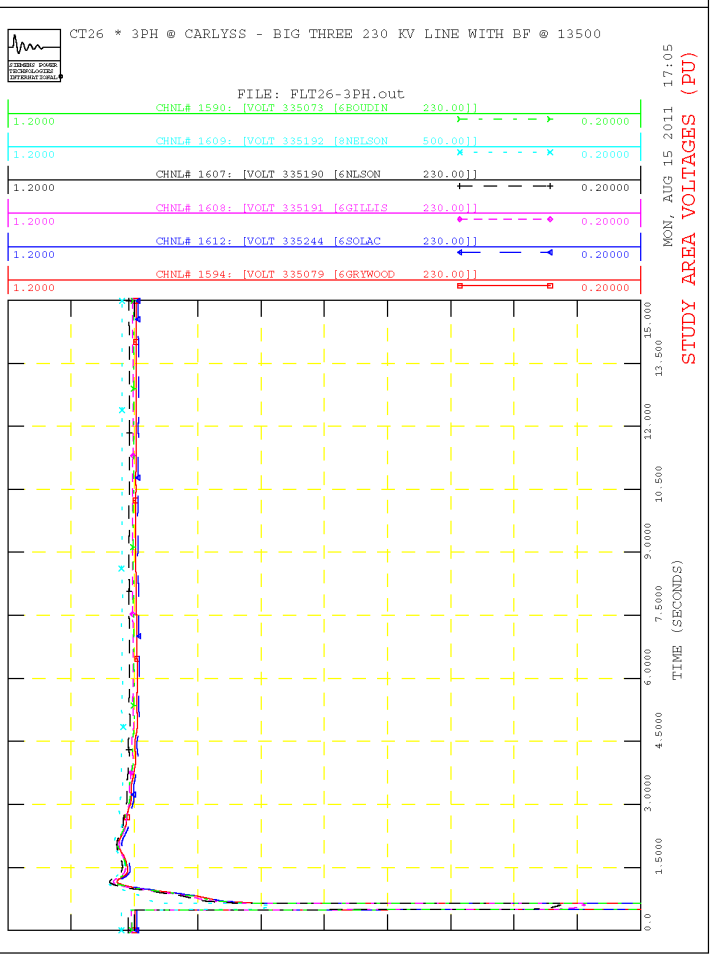

CT25 * 3PH @ CARLYSS - BOUDIN 230 KV LINE WITH BF @ 13580 (C
FILE: FLT25-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
MON, AUG 15 2011 17:05
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)

Fault 26

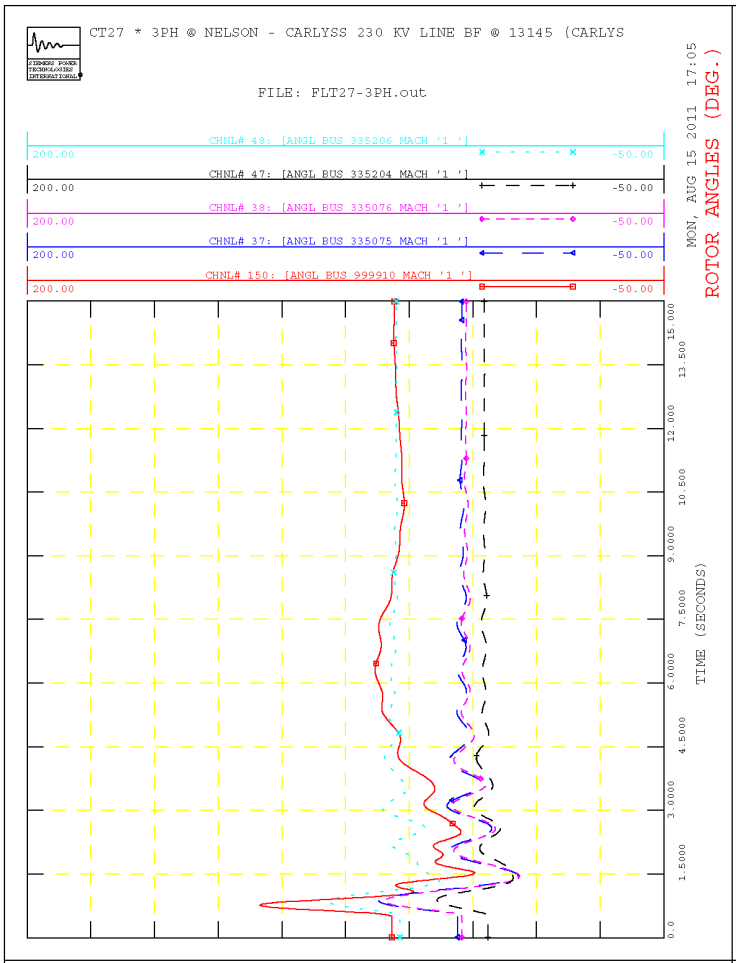

CT26 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13500
FILE: FLT26-3PH.out
MON, AUG 15 2011 17:05
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
200.00
-50.00
ROTOR ANGLES (DEG.)
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

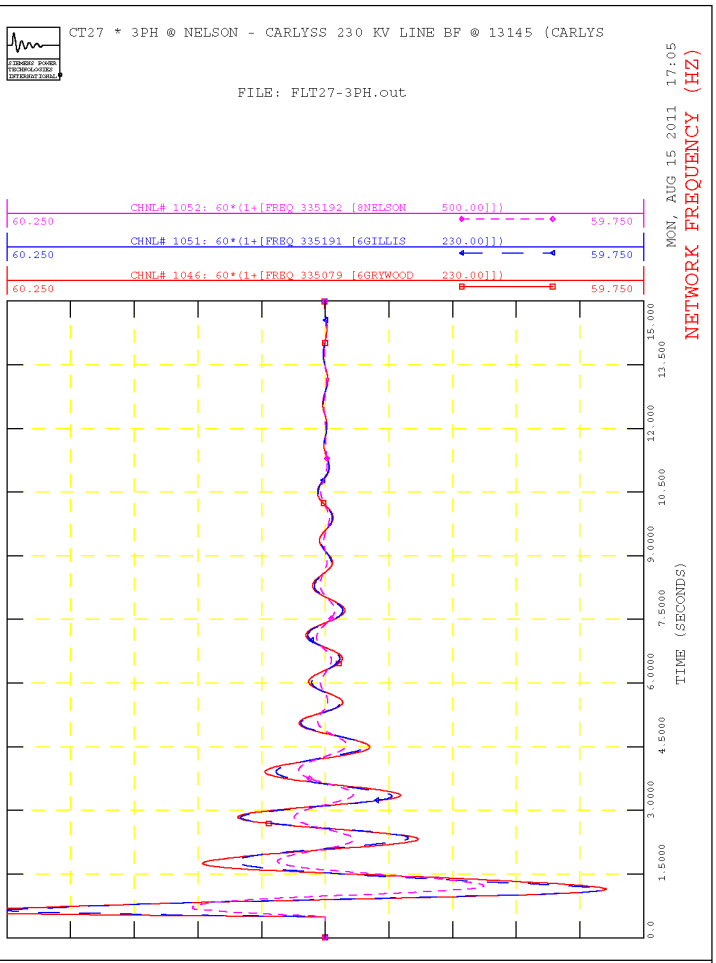

CT26 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13500
FILE: FLT26-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
60.250
59.750
NETWORK FREQUENCY (HZ)
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

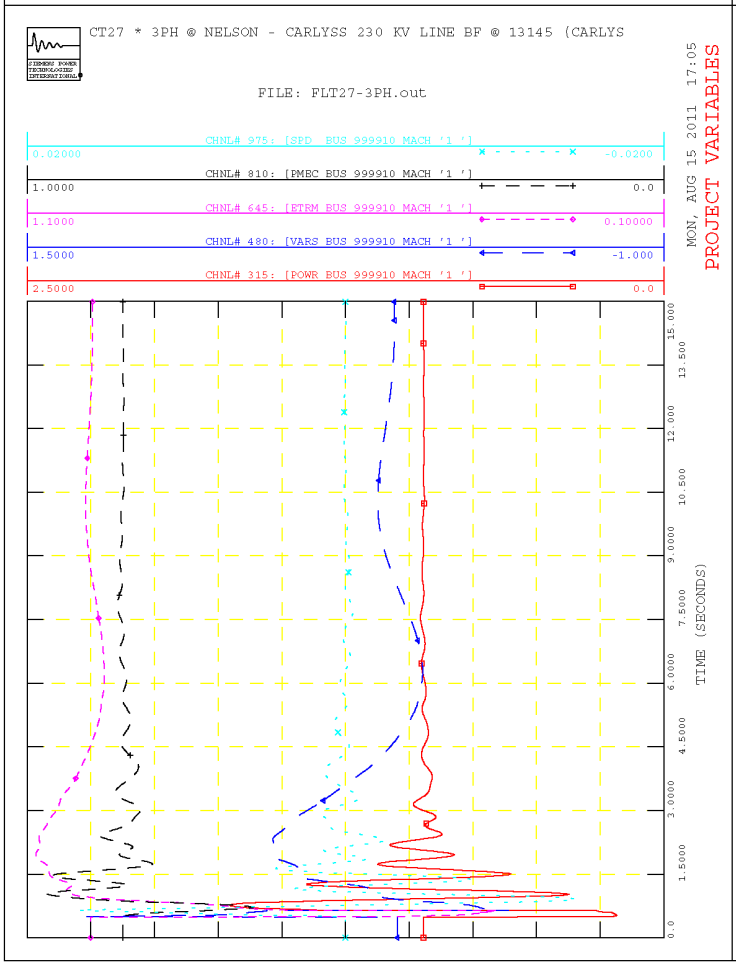
CT26 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13500
FILE: FLT26-3PH.out
MON, AUG 15 2011 17:05
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

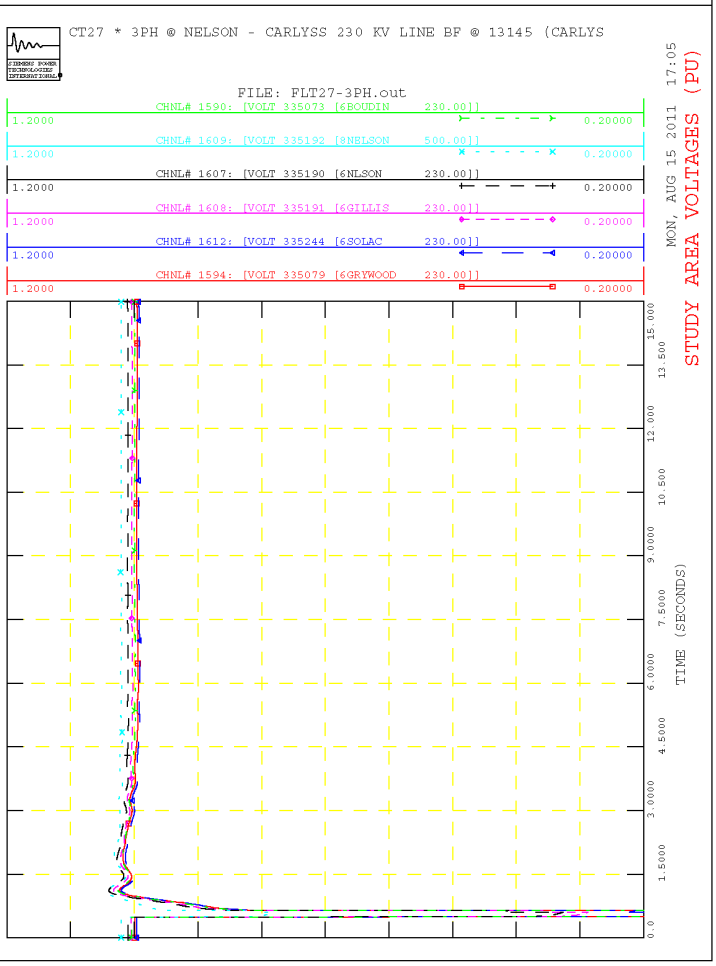

CT26 * 3PH @ CARLYSS - BIG THREE 230 KV LINE WITH BF @ 13500
FILE: FLT26-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
1.2000
0.20000
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

Fault 27

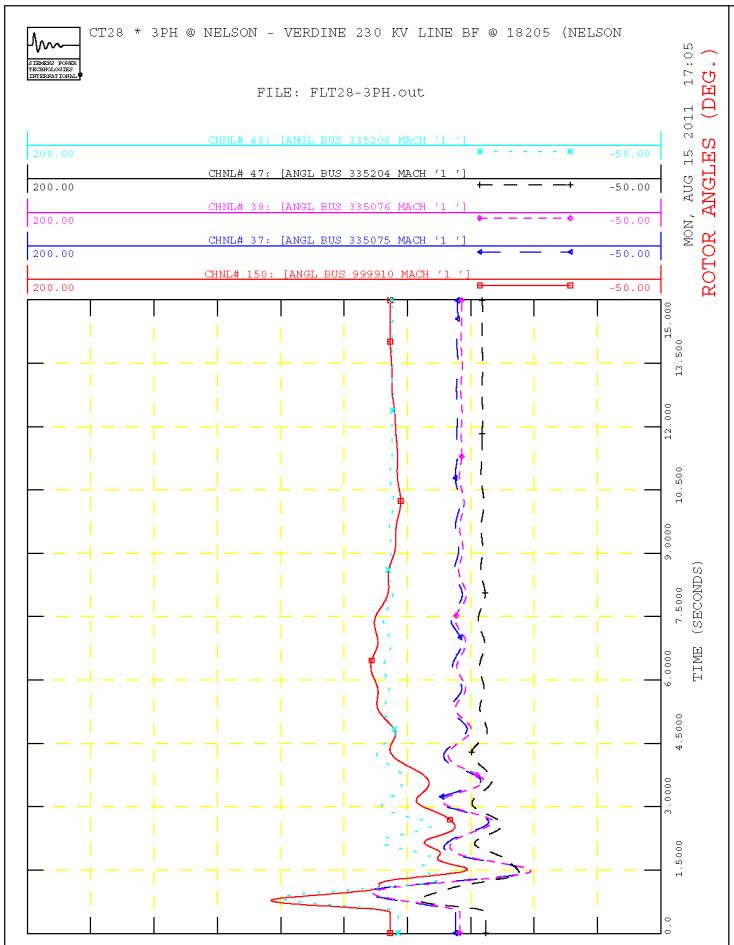

CT27 * 3PH @ NELSON - CARLYSS 230 KV LINE BF @ 13145 (CARLYS
FILE: FLT27-3PH.out
MON, AUG 15 2011 17:05
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
TIME (SECONDS)

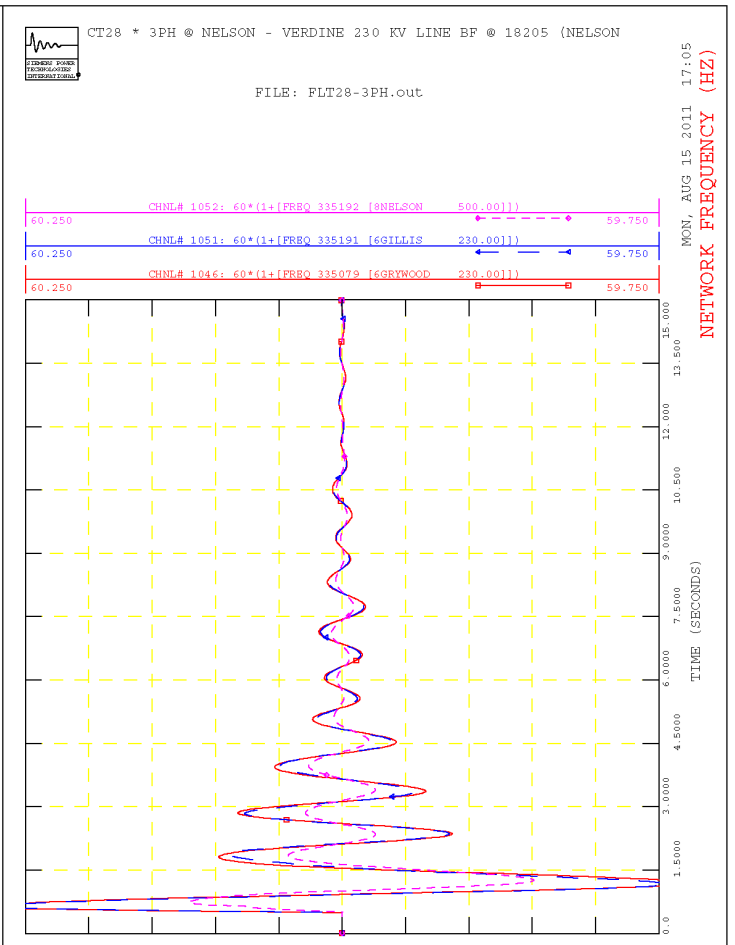

CT27 * 3PH @ NELSON - CARLYSS 230 KV LINE BF @ 13145 (CARLYS
FILE: FLT27-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
TIME (SECONDS)

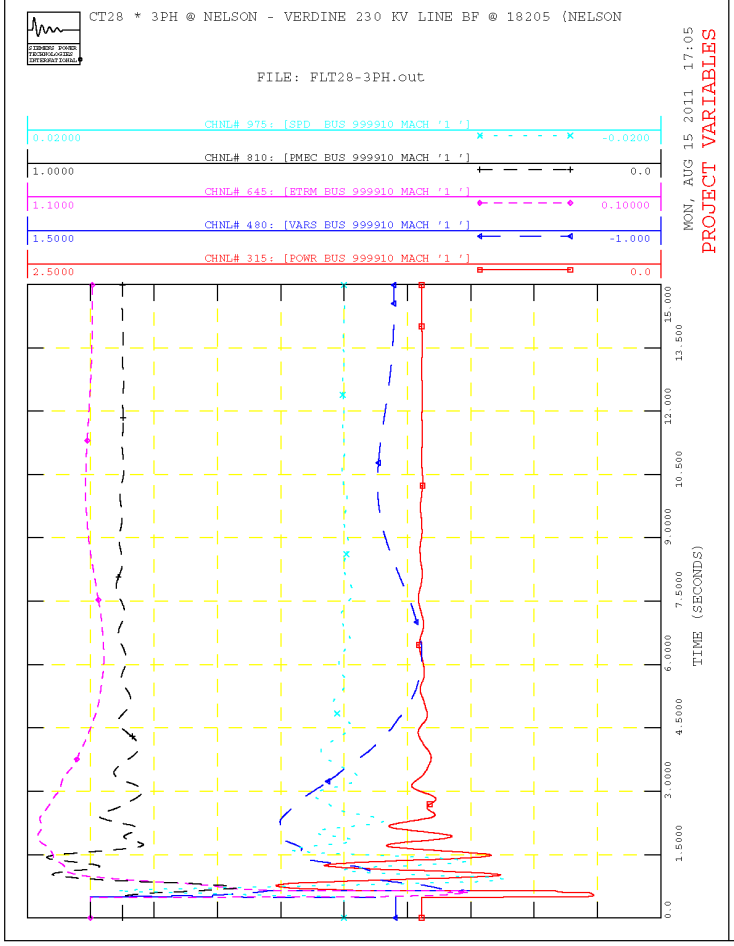

CT27 * 3PH @ NELSON - CARLYSS 230 KV LINE BF @ 13145 (CARLYS
FILE: FLT27-3PH.out
MON, AUG 15 2011 17:05
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMBC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
TIME (SECONDS)

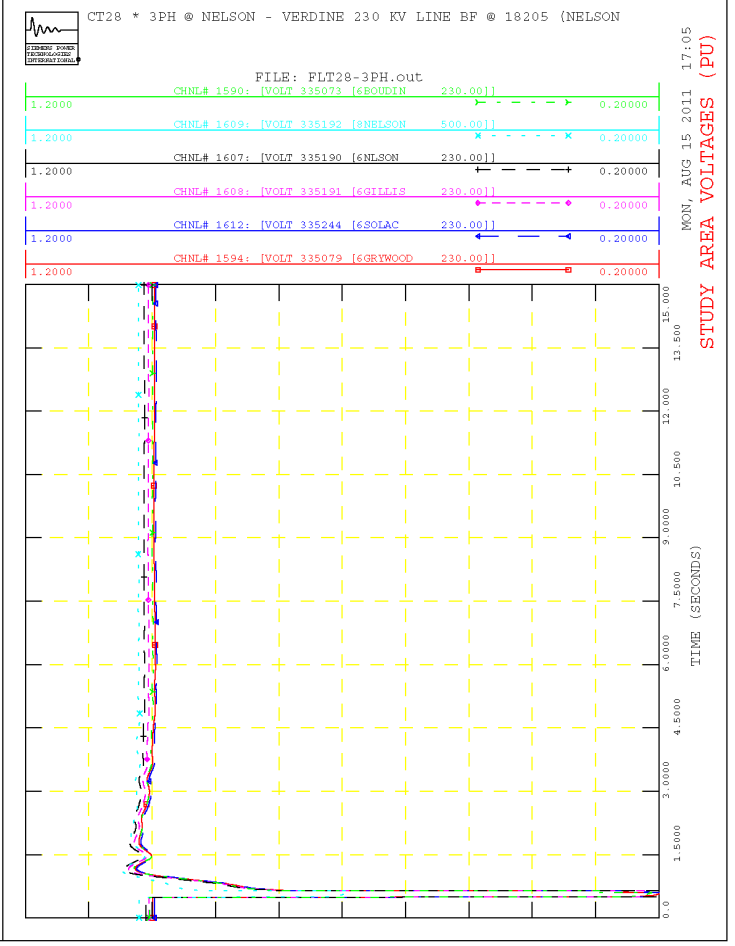

CT27 * 3PH @ NELSON - CARLYSS 230 KV LINE BF @ 13145 (CARLYS
FILE: FLT27-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)

Fault 28

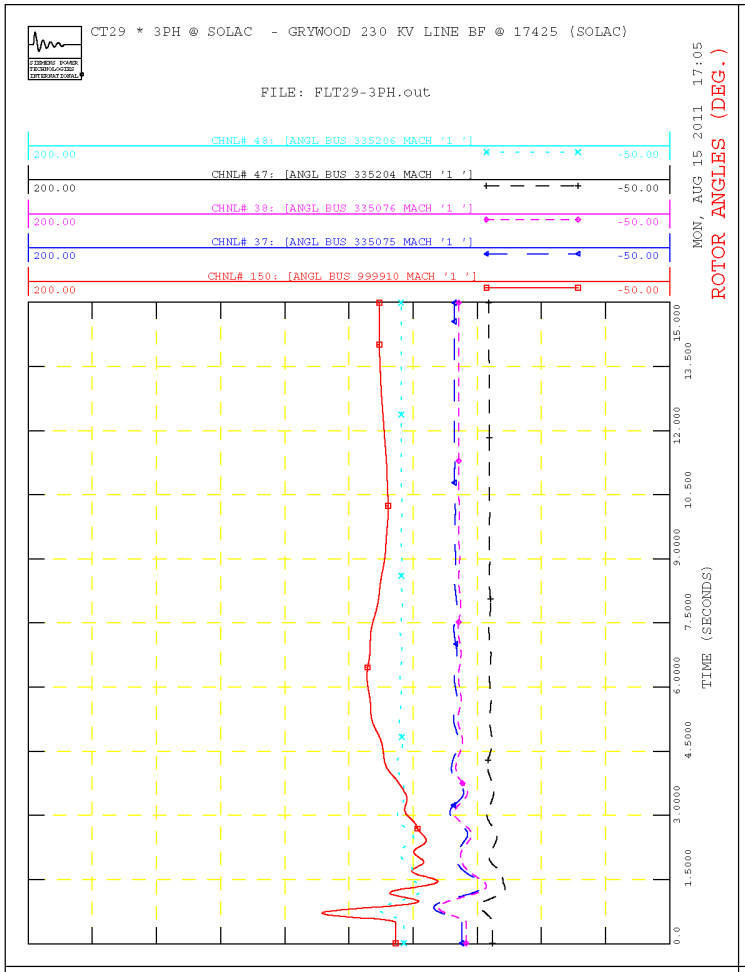

CT28 * 3PH @ NELSON - VERDINE 230 KV LINE BF @ 18205 (NELSON
FILE: FLT28-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
TIME (SECONDS)
MON, AUG 15 2011 17:05

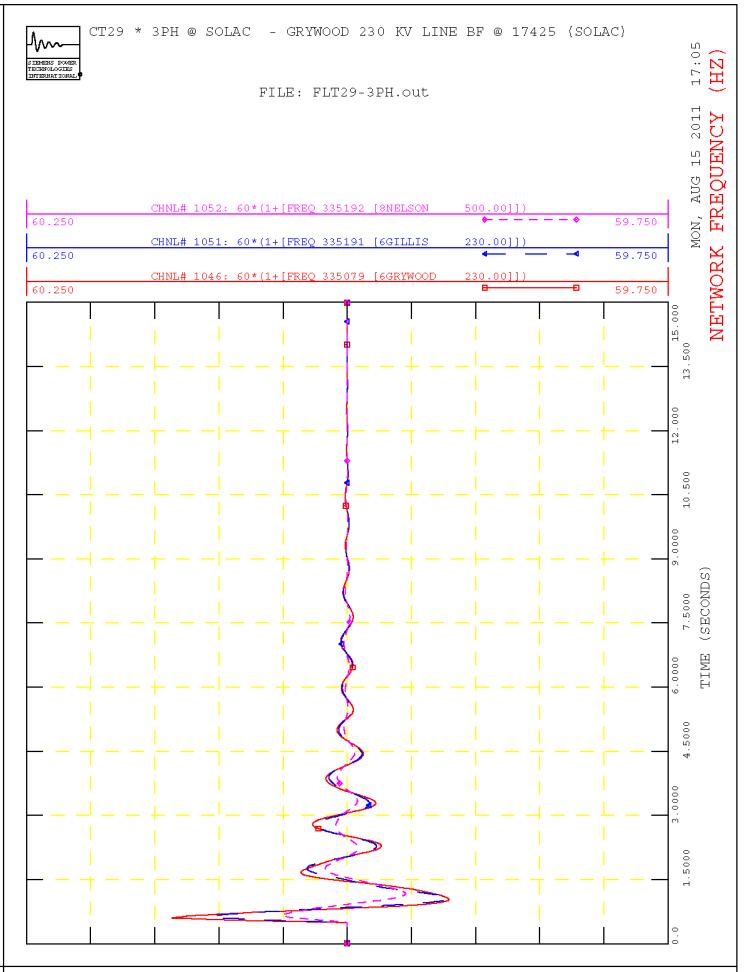

CT28 * 3PH @ NELSON - VERDINE 230 KV LINE BF @ 18205 (NELSON
FILE: FLT28-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
TIME (SECONDS)
MON, AUG 15 2011 17:05

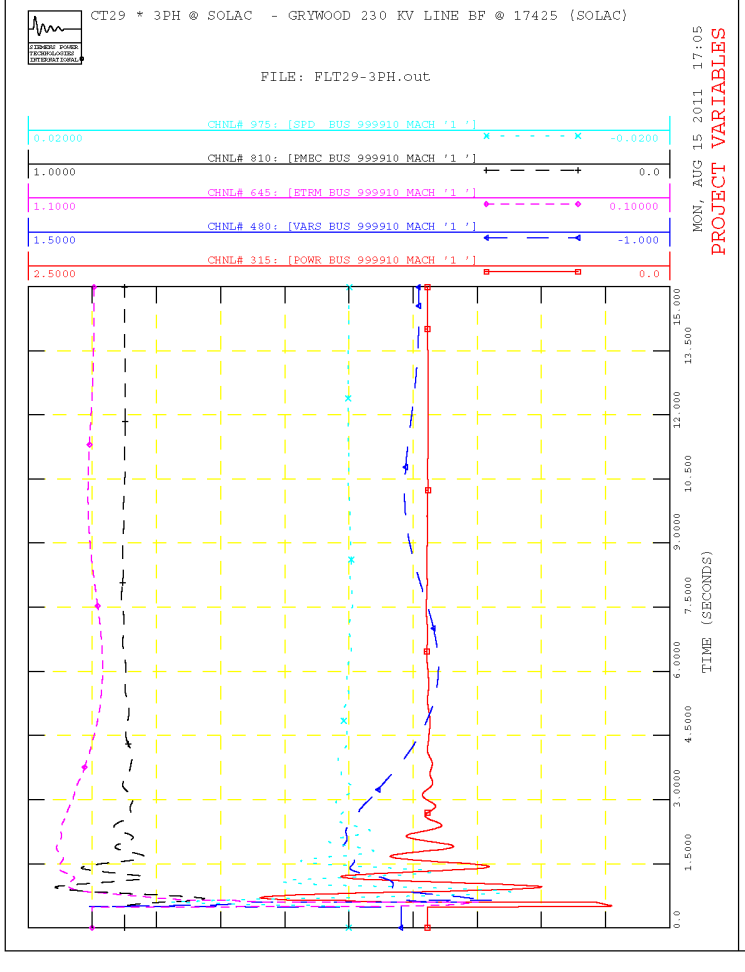

CT28 * 3PH @ NELSON - VERDINE 230 KV LINE BF @ 18205 (NELSON
FILE: FLT28-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
TIME (SECONDS)
MON, AUG 15 2011 17:05

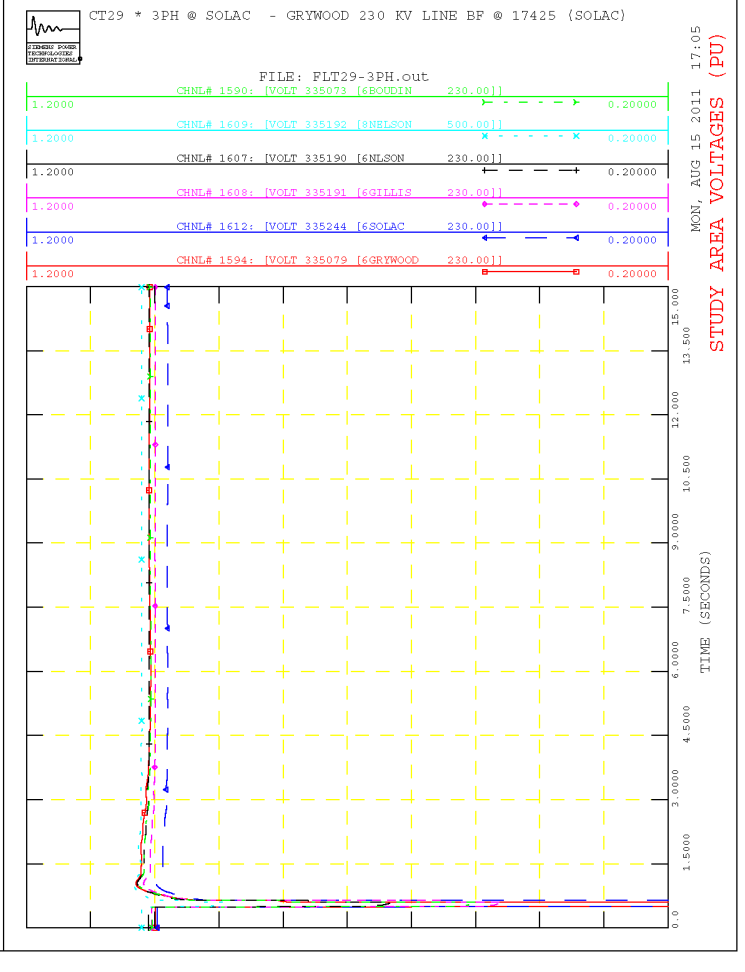

CT28 * 3PH @ NELSON - VERDINE 230 KV LINE BF @ 18205 (NELSON
FILE: FLT28-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)
MON, AUG 15 2011 17:05

Fault 29

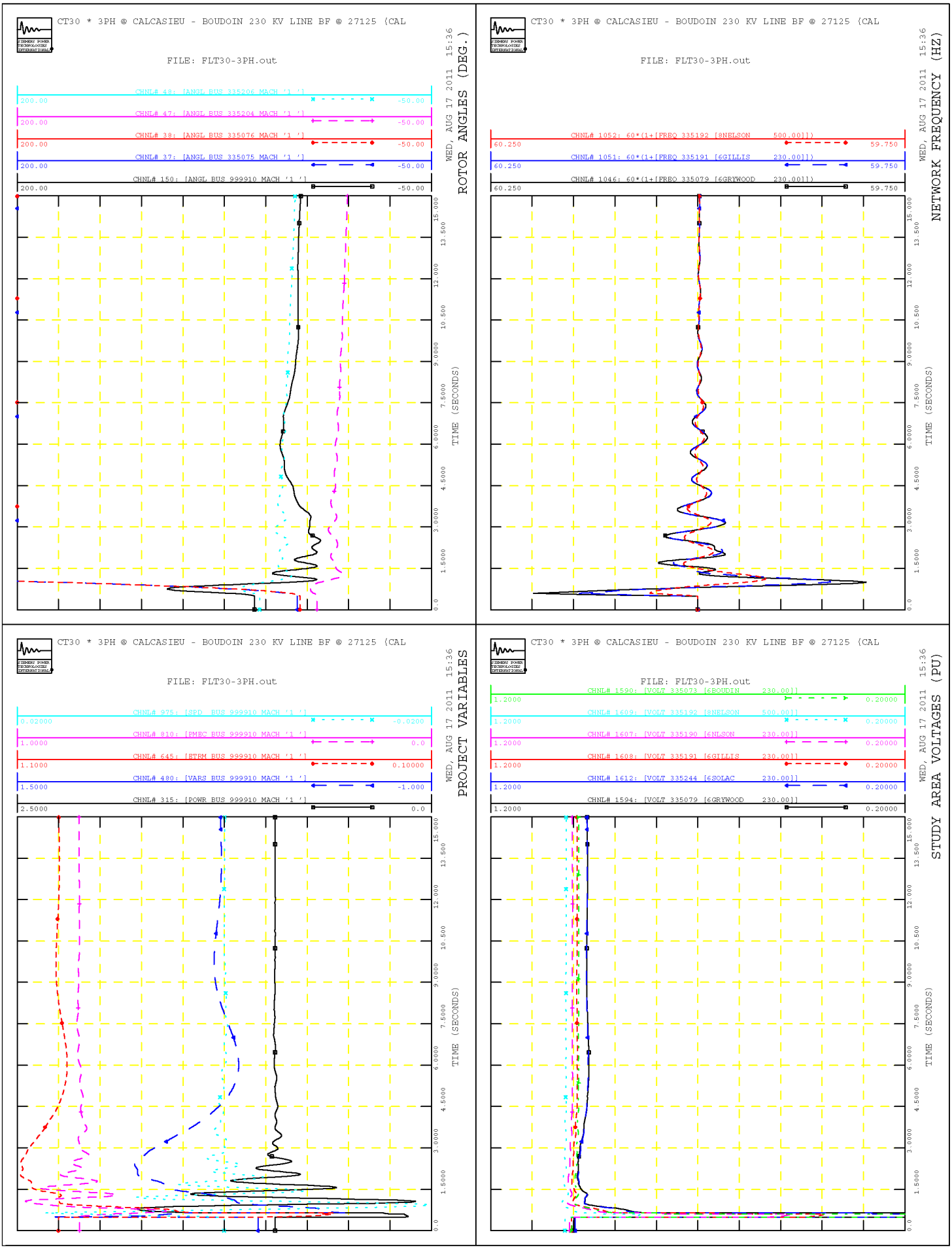

CT29 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 17425 (SOLAC)
FILE: FLT29-3PH.out
MON, AUG 15 2011 17:05
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
TIME (SECONDS)


CT29 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 17425 (SOLAC)
FILE: FLT29-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
TIME (SECONDS)

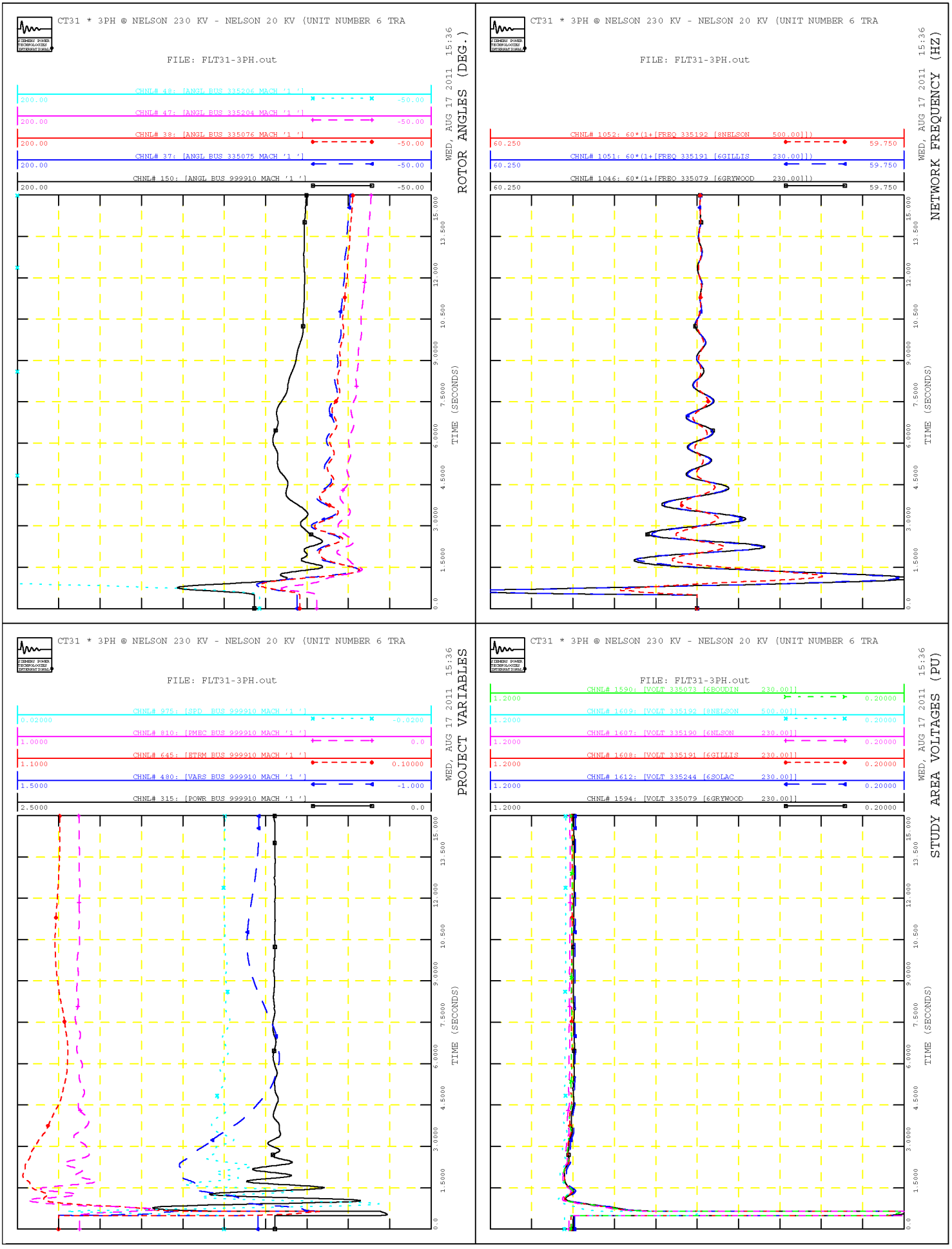

CT29 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 17425 (SOLAC)
FILE: FLT29-3PH.out
MON, AUG 15 2011 17:05
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
TIME (SECONDS)


CT29 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 17425 (SOLAC)
FILE: FLT29-3PH.out
MON, AUG 15 2011 17:05
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
TIME (SECONDS)

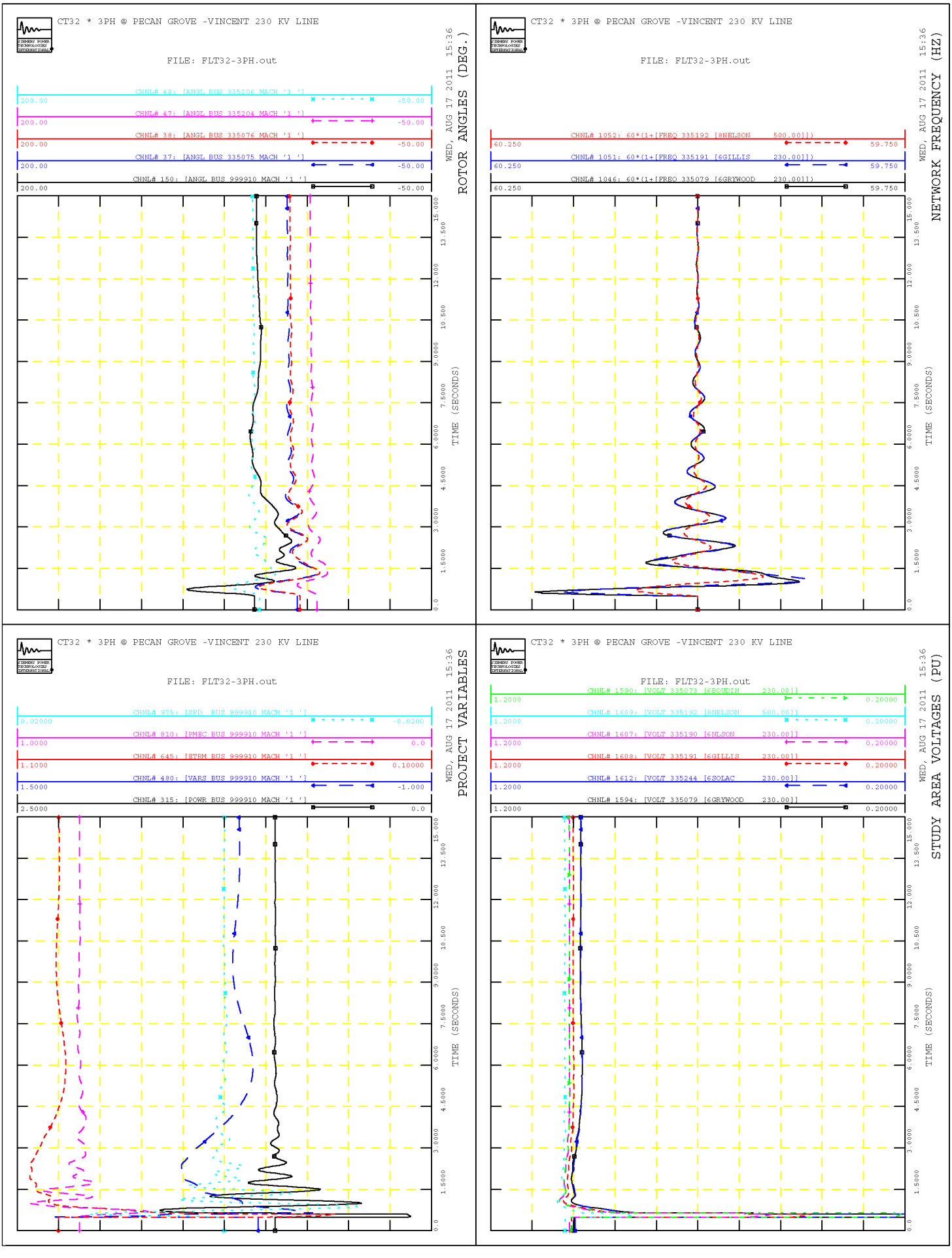
Fault 30


CT30 * 3PH @ CALCASIEU - BOUDOIN 230 KV LINE BF @ 27125 (CAL
FILE: FLT30-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT30 * 3PH @ CALCASIEU - BOUDOIN 230 KV LINE BF @ 27125 (CAL
FILE: FLT30-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT30 * 3PH @ CALCASIEU - BOUDOIN 230 KV LINE BF @ 27125 (CAL
FILE: FLT30-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT30 * 3PH @ CALCASIEU - BOUDOIN 230 KV LINE BF @ 27125 (CAL
FILE: FLT30-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
WED, AUG 17 2011 15:36
TIME (SECONDS)

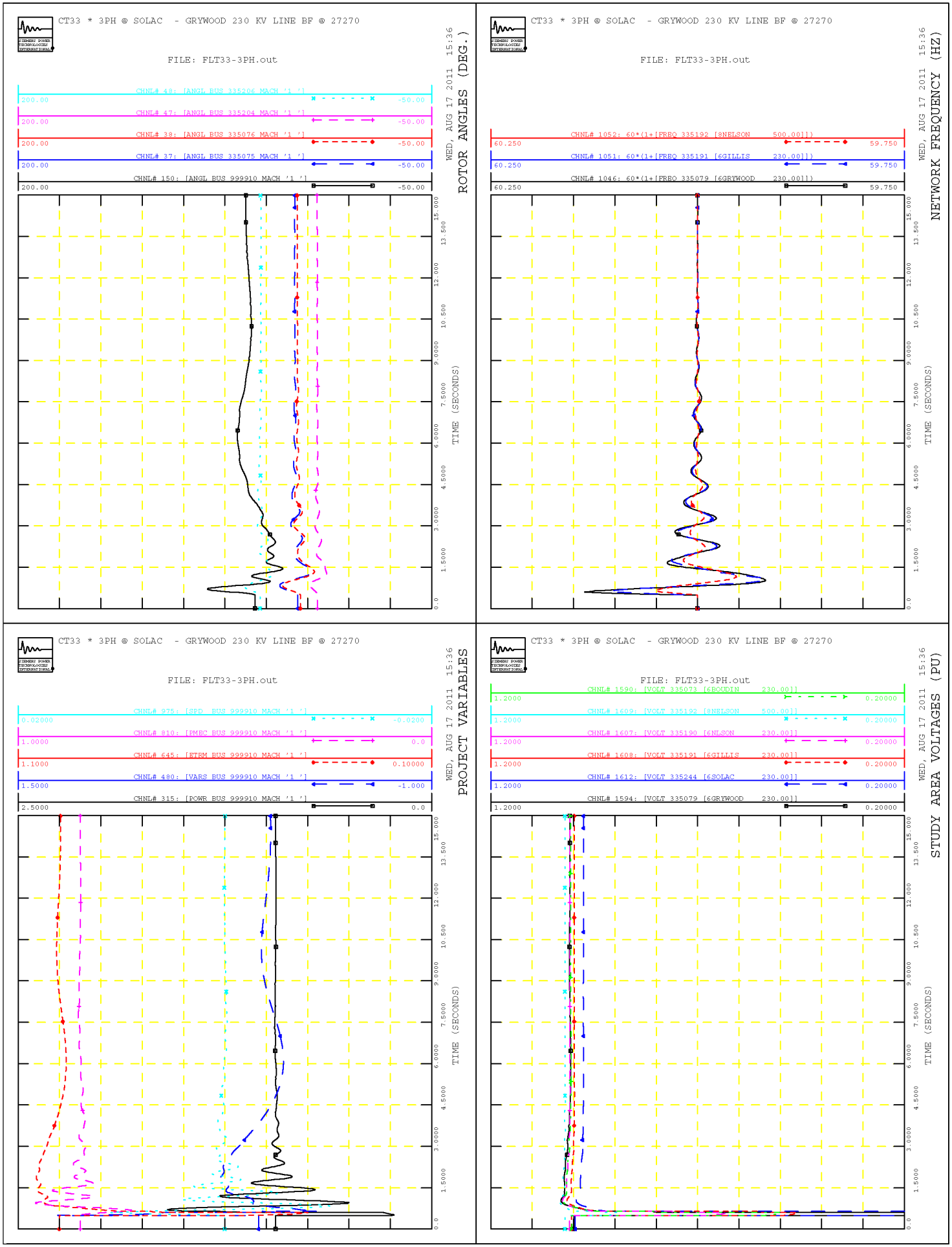
Fault 31


CT31 * 3PH @ NELSON 230 KV - NELSON 20 KV (UNIT NUMBER 6 TRA
FILE: FLT31-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT31 * 3PH @ NELSON 230 KV - NELSON 20 KV (UNIT NUMBER 6 TRA
FILE: FLT31-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT31 * 3PH @ NELSON 230 KV - NELSON 20 KV (UNIT NUMBER 6 TRA
FILE: FLT31-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT31 * 3PH @ NELSON 230 KV - NELSON 20 KV (UNIT NUMBER 6 TRA
FILE: FLT31-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
WED, AUG 17 2011 15:36
TIME (SECONDS)

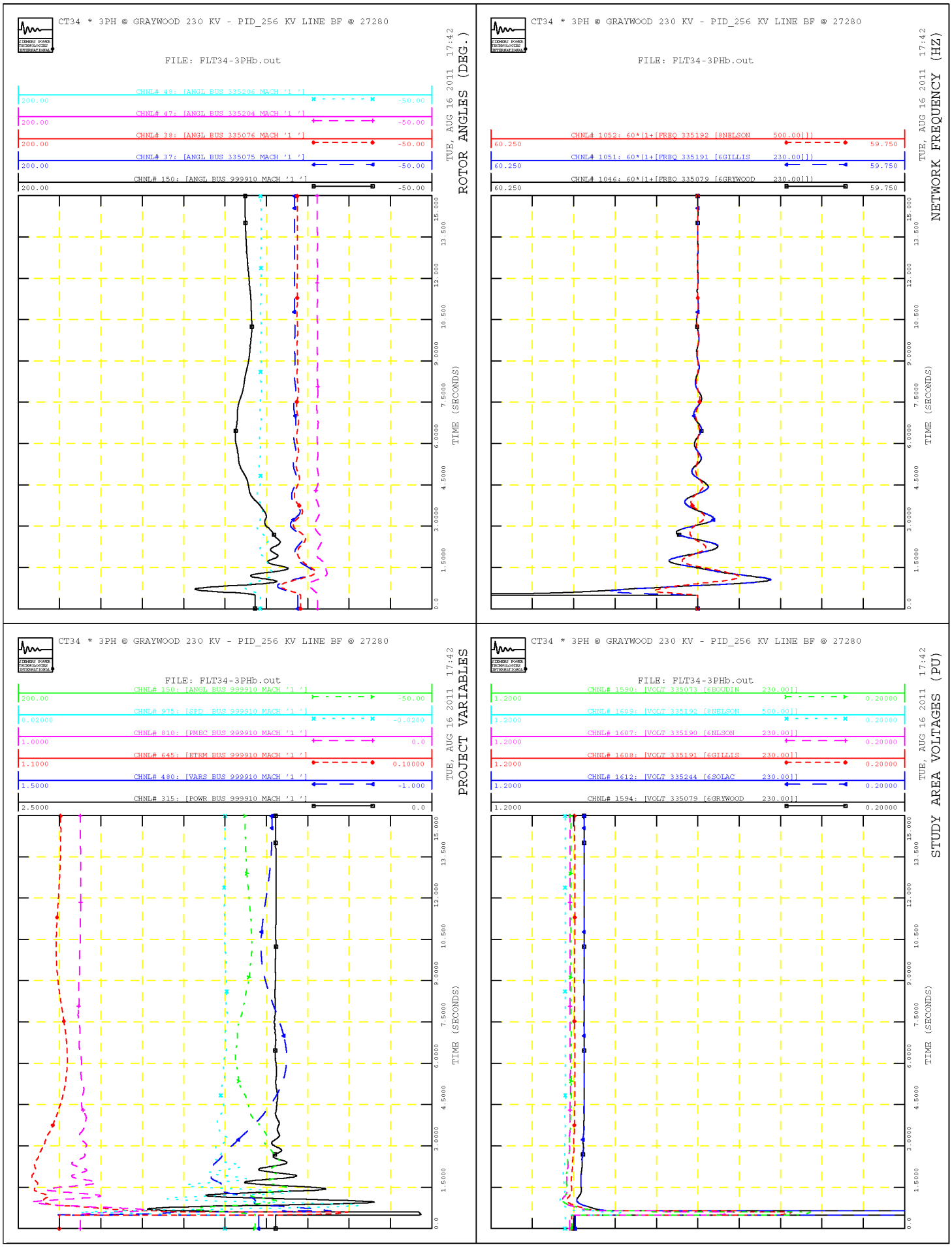
Fault 32


CT32 * 3PH @ PECAN GROVE -VINCENT 230 KV LINE
FILE: FLT32-3PH.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT32 * 3PH @ PECAN GROVE -VINCENT 230 KV LINE
FILE: FLT32-3PH.out
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT32 * 3PH @ PECAN GROVE -VINCENT 230 KV LINE
FILE: FLT32-3PH.out
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
WED, AUG 17 2011 15:36
TIME (SECONDS)
CT32 * 3PH @ PECAN GROVE -VINCENT 230 KV LINE
FILE: FLT32-3PH.out
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
WED, AUG 17 2011 15:36
TIME (SECONDS)

Fault 33


CT33 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 27270
FILE: FLT33-3PH.out
WED, AUG 17 2011 15:36
ROTOR ANGLES (DEG.)
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
TIME (SECONDS)
CT33 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 27270
FILE: FLT33-3PH.out
WED, AUG 17 2011 15:36
NETWORK FREQUENCY (HZ)
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
TIME (SECONDS)
CT33 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 27270
FILE: FLT33-3PH.out
WED, AUG 17 2011 15:36
PROJECT VARIABLES
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
TIME (SECONDS)
CT33 * 3PH @ SOLAC - GRYWOOD 230 KV LINE BF @ 27270
FILE: FLT33-3PH.out
WED, AUG 17 2011 15:36
STUDY AREA VOLTAGES (PU)
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
TIME (SECONDS)

Fault 34


CT34 * 3PH @ GRAYWOOD 230 KV - PID_256 KV LINE BF @ 27280
FILE: FLT34-3PHb.out
CHNL# 48: [ANGL BUS 335206 MACH '1 ']
CHNL# 47: [ANGL BUS 335204 MACH '1 ']
CHNL# 38: [ANGL BUS 335076 MACH '1 ']
CHNL# 37: [ANGL BUS 335075 MACH '1 ']
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
ROTOR ANGLES (DEG.)
TIME (SECONDS)
CHNL# 1052: 60*(1+[FREQ 335192 [8NELSON 500.00]])
CHNL# 1051: 60*(1+[FREQ 335191 [6GILLIS 230.00]])
CHNL# 1046: 60*(1+[FREQ 335079 [6GRYWOOD 230.00]])
NETWORK FREQUENCY (HZ)
CHNL# 150: [ANGL BUS 999910 MACH '1 ']
CHNL# 975: [SPD BUS 999910 MACH '1 ']
CHNL# 810: [PMEC BUS 999910 MACH '1 ']
CHNL# 645: [ETRM BUS 999910 MACH '1 ']
CHNL# 480: [VARS BUS 999910 MACH '1 ']
CHNL# 315: [POWR BUS 999910 MACH '1 ']
PROJECT VARIABLES
CHNL# 1590: [VOLT 335073 [6BOUDIN 230.00]]
CHNL# 1609: [VOLT 335192 [8NELSON 500.00]]
CHNL# 1607: [VOLT 335190 [6NLSON 230.00]]
CHNL# 1608: [VOLT 335191 [6GILLIS 230.00]]
CHNL# 1612: [VOLT 335244 [6SOLAC 230.00]]
CHNL# 1594: [VOLT 335079 [6GRYWOOD 230.00]]
STUDY AREA VOLTAGES (PU)
TUE, AUG 16 2011 17:42