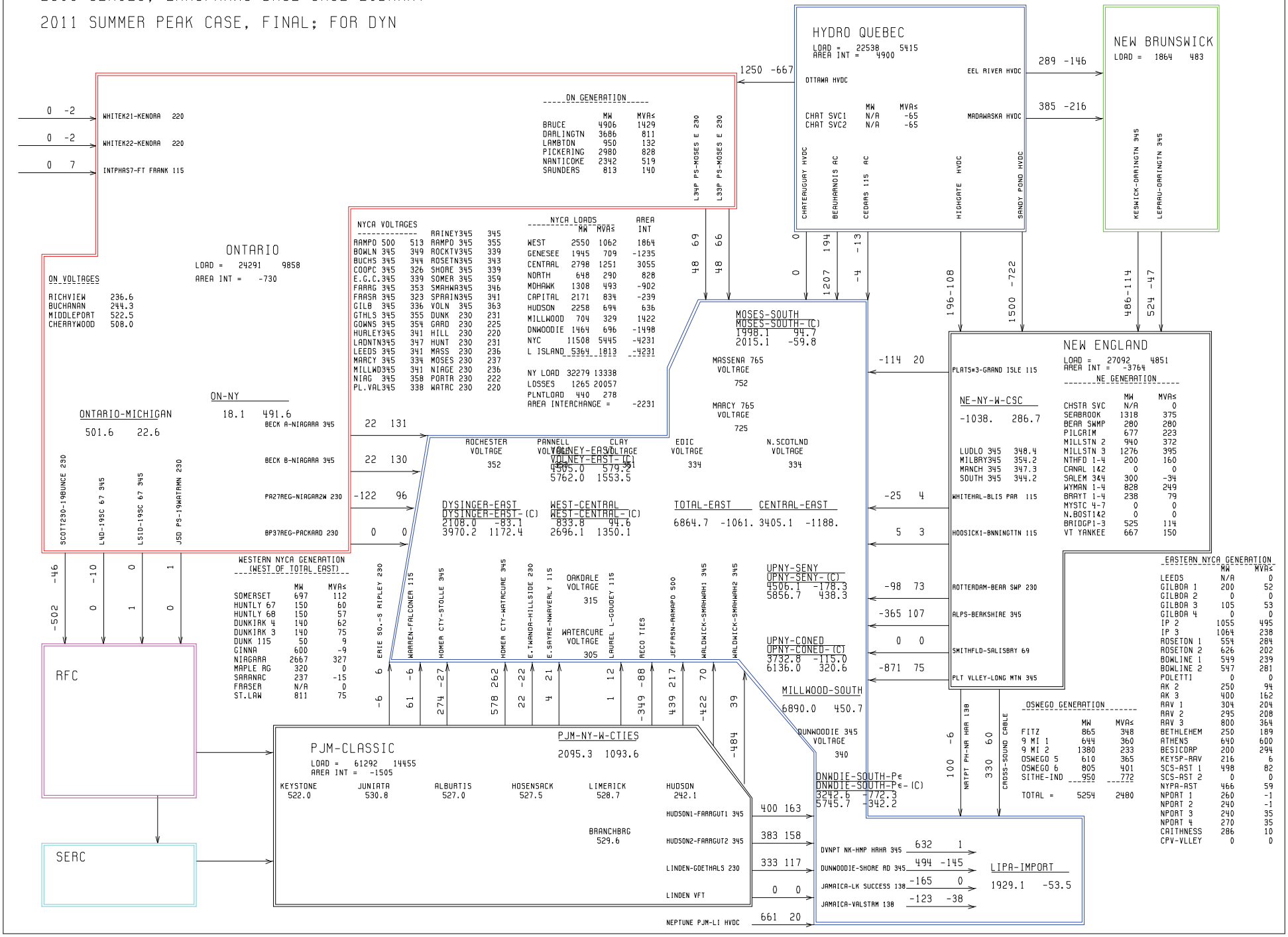
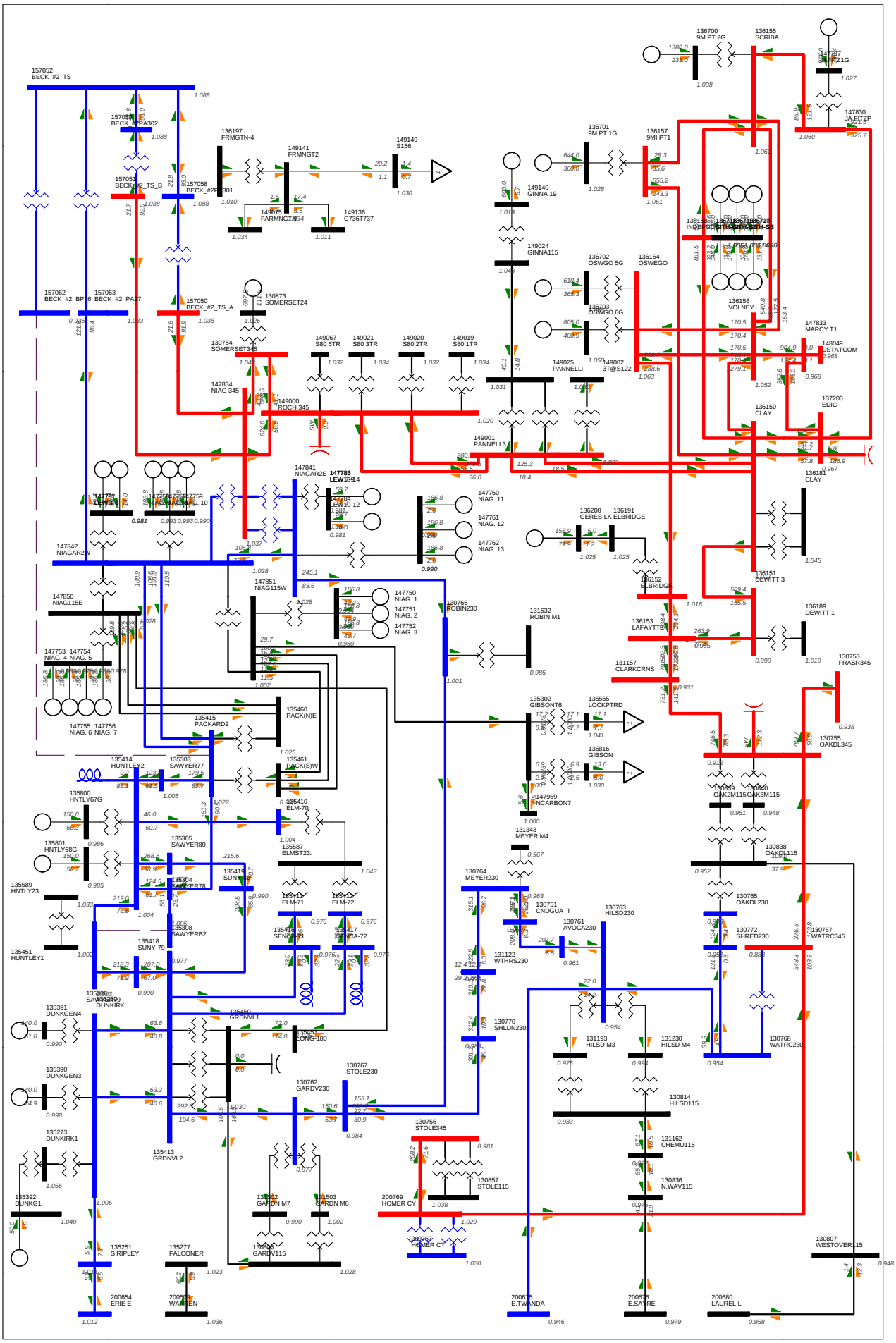
APPENDIX A – Oswego Export Limit – All Lines in Service

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN



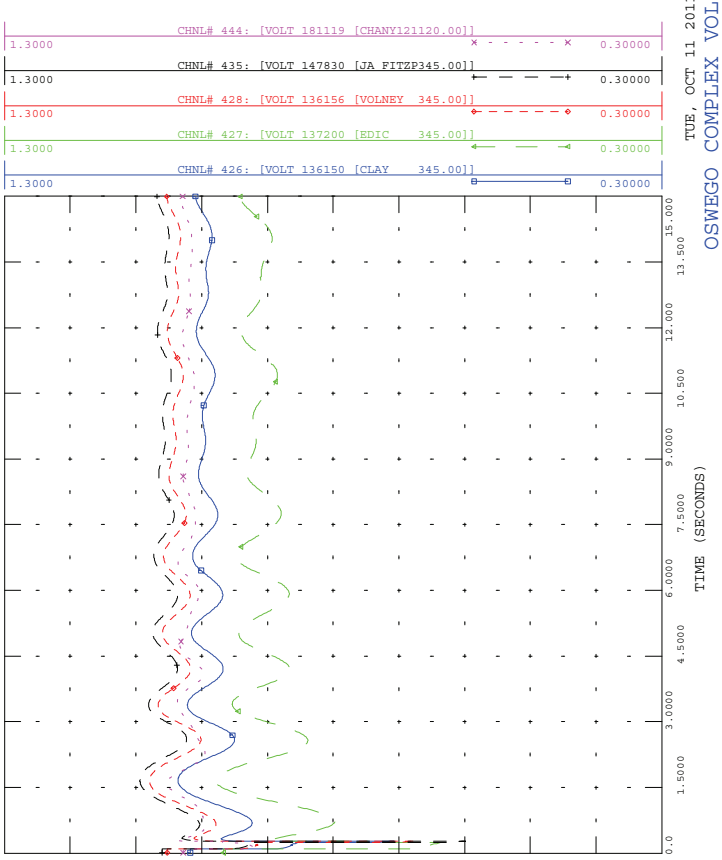


2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
MON, OCT 31 2011 13:27

WESTERN NYISO

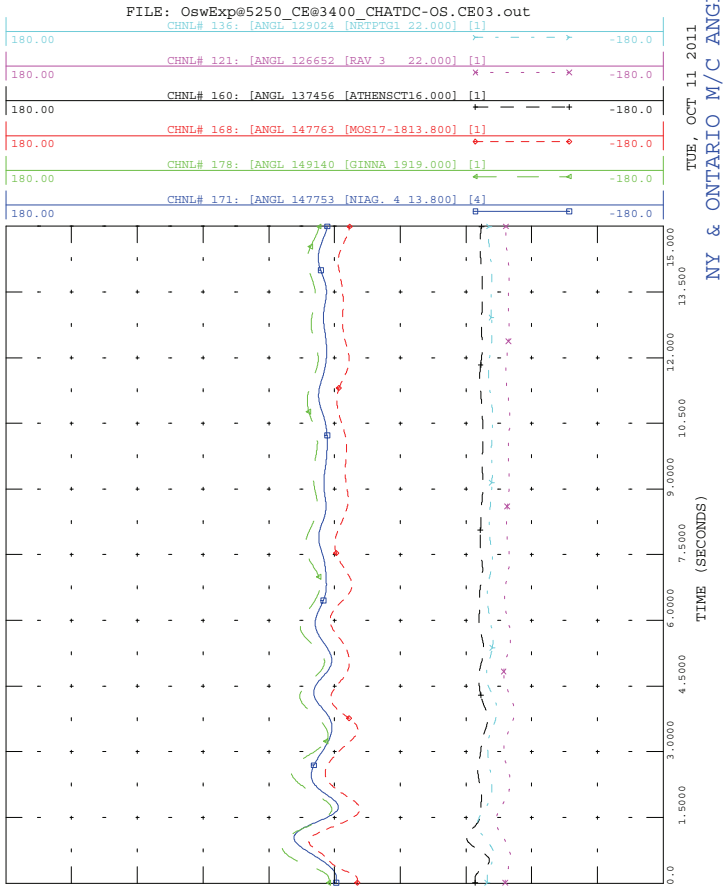
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.CE03.out



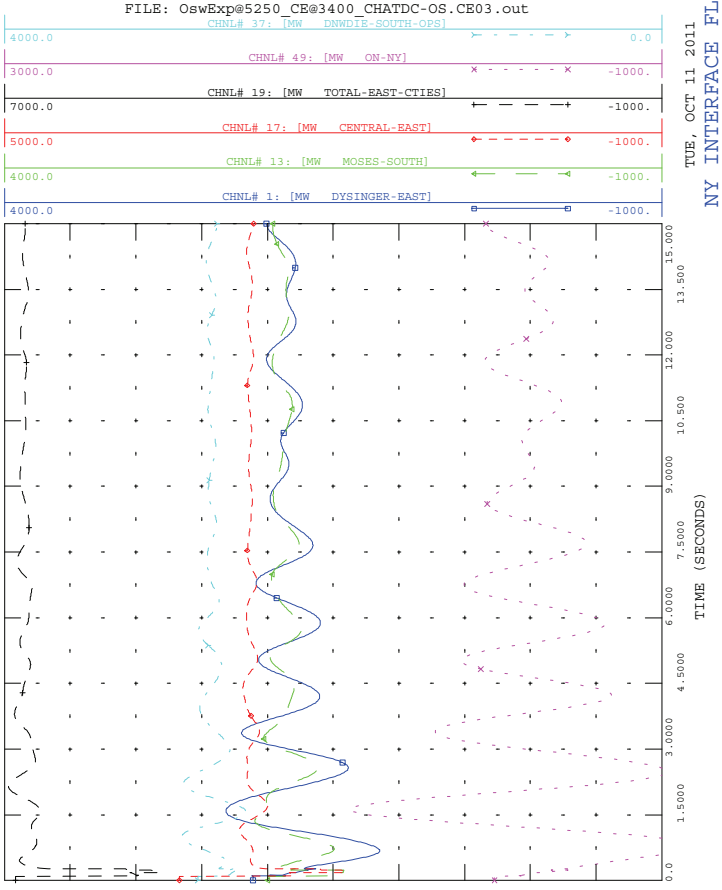
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.CE03.out



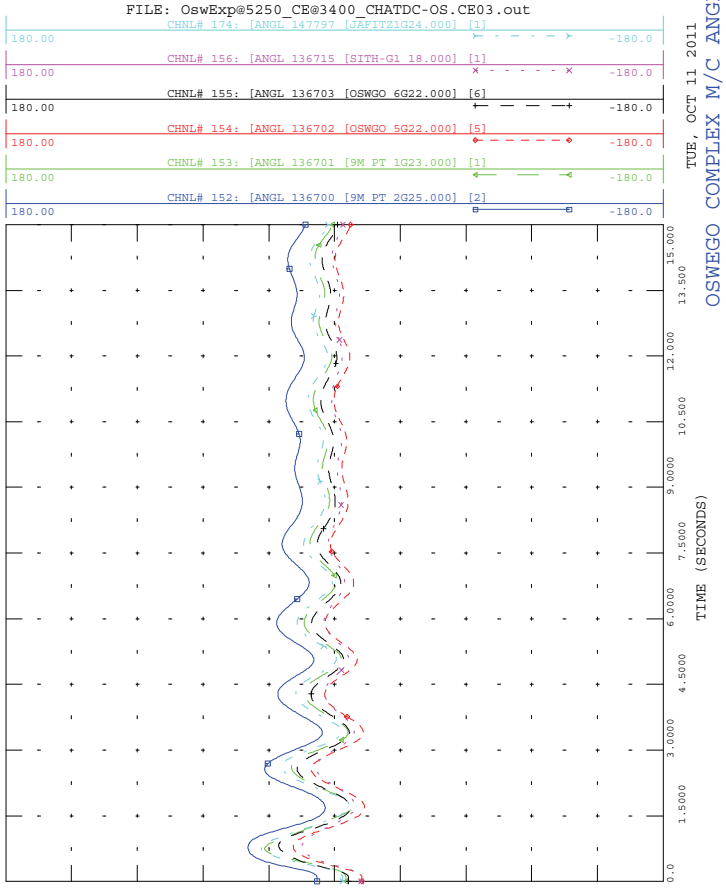
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

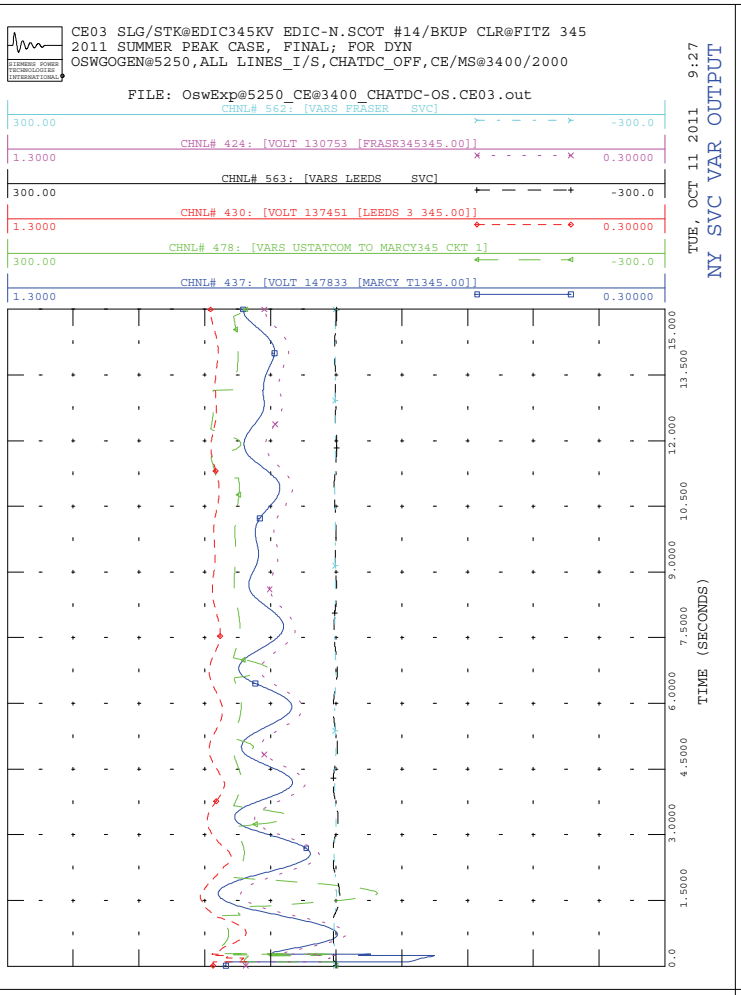
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE03.out

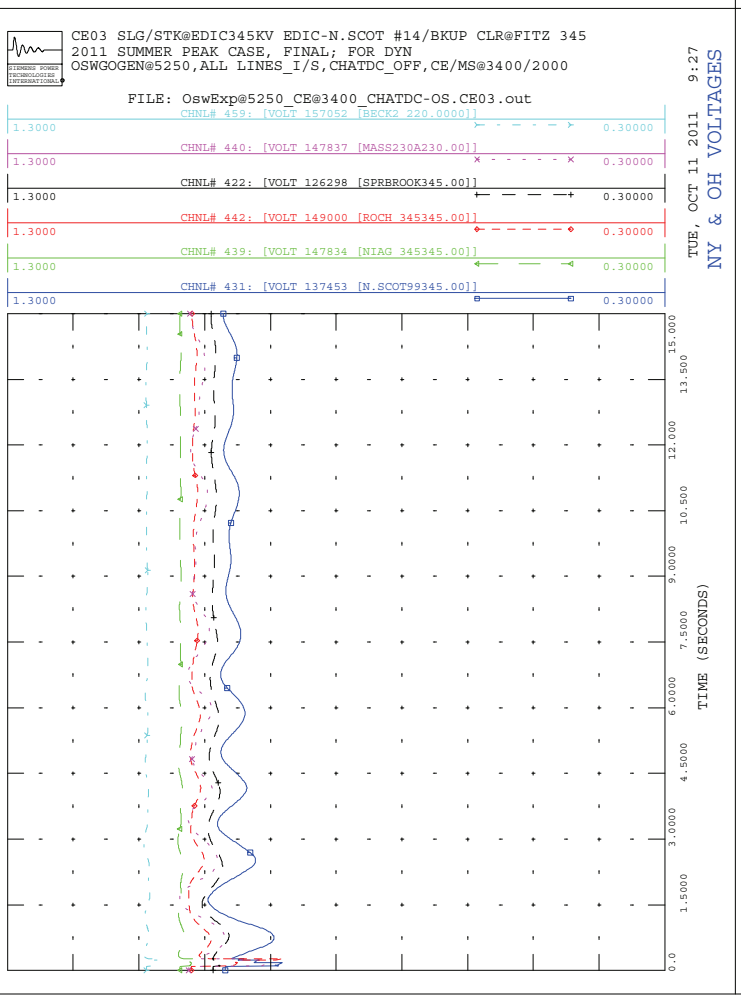


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.CE03.out




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY & OH VOLTAGES
TIME (SECONDS)
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3.0000
4.5000
6.0000
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9.0000
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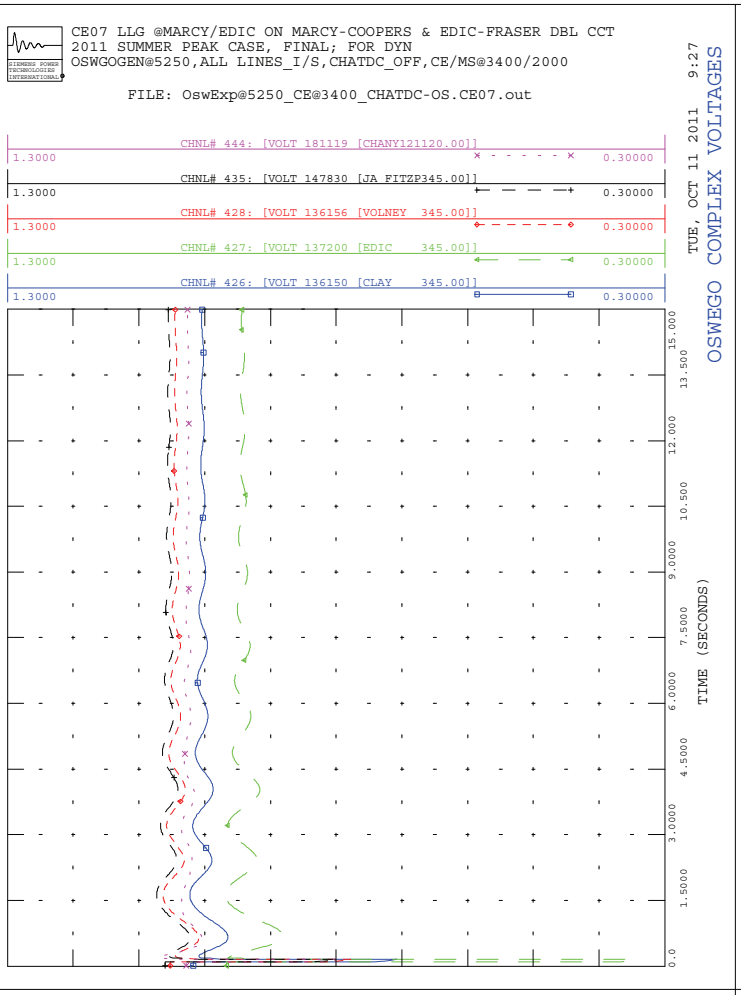
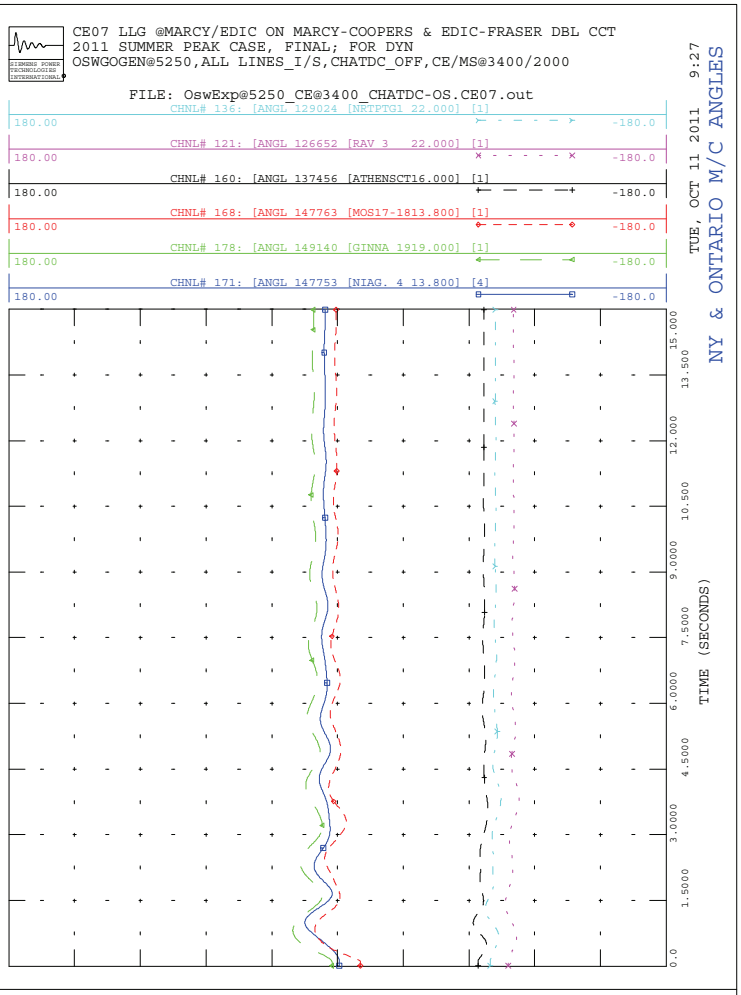
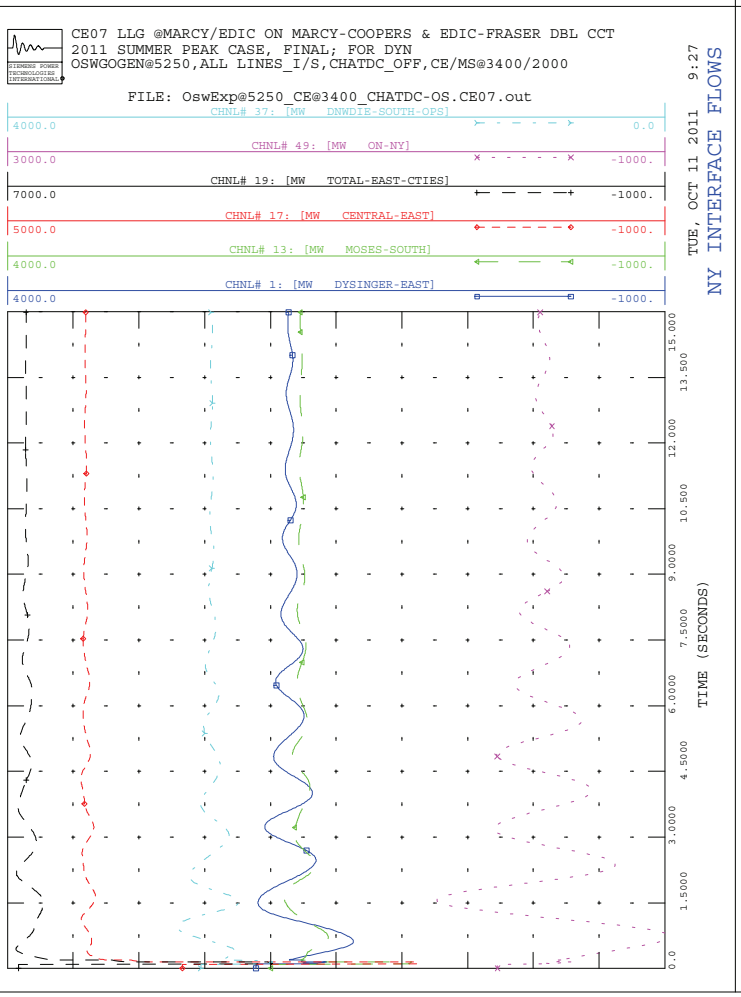
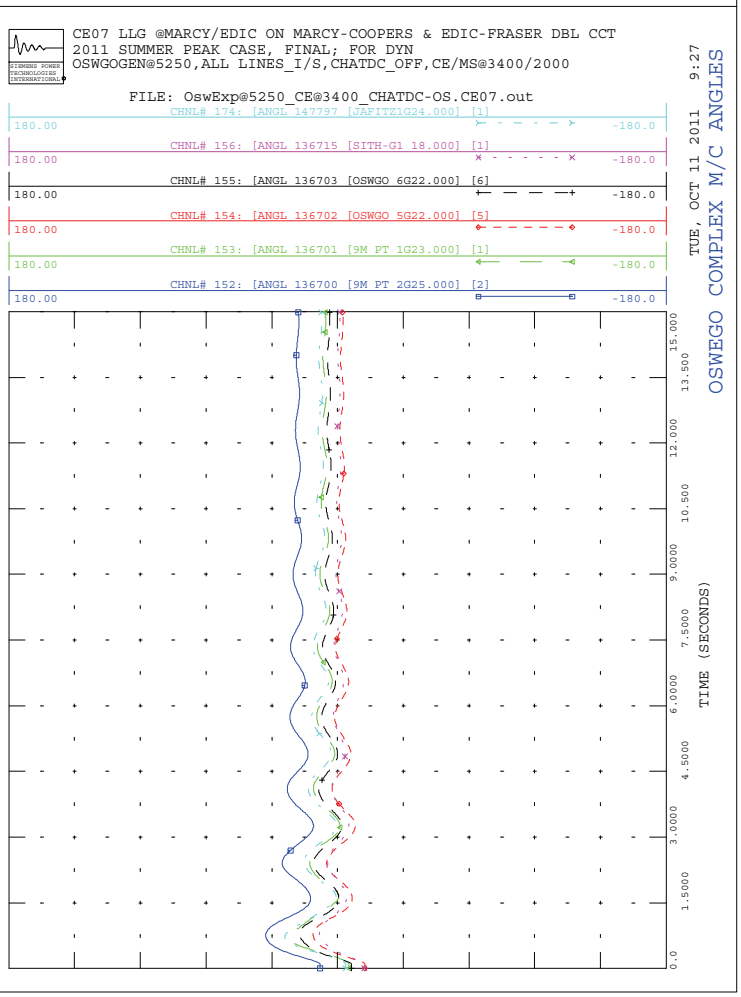
13.500
15.000


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE07.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)

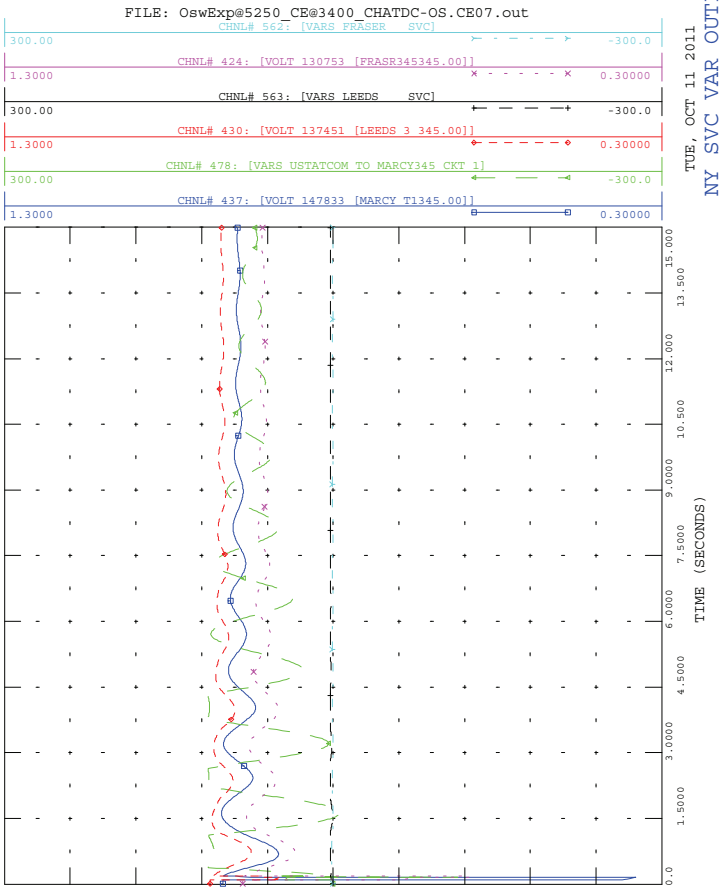

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE07.out
CHNL# 136: [ANGL 129024 [NRIPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, OCT 11 2011 9:27
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE07.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, OCT 11 2011 9:27
NY INTERFACE FLOWS
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE07.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.CE07.out

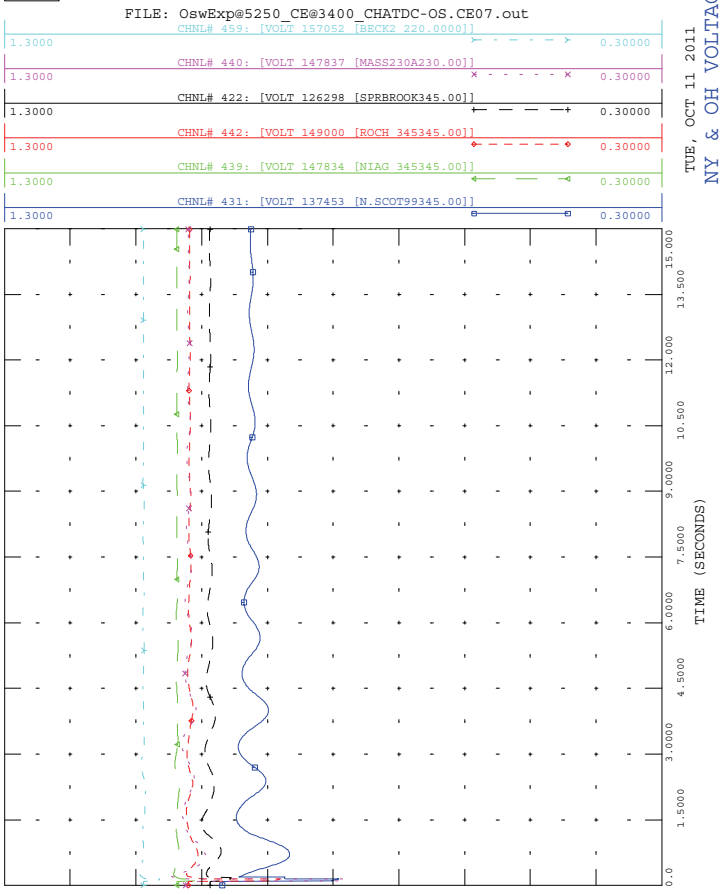


TUE, OCT 11 2011 9:27

NY SVC VAR OUTPUT

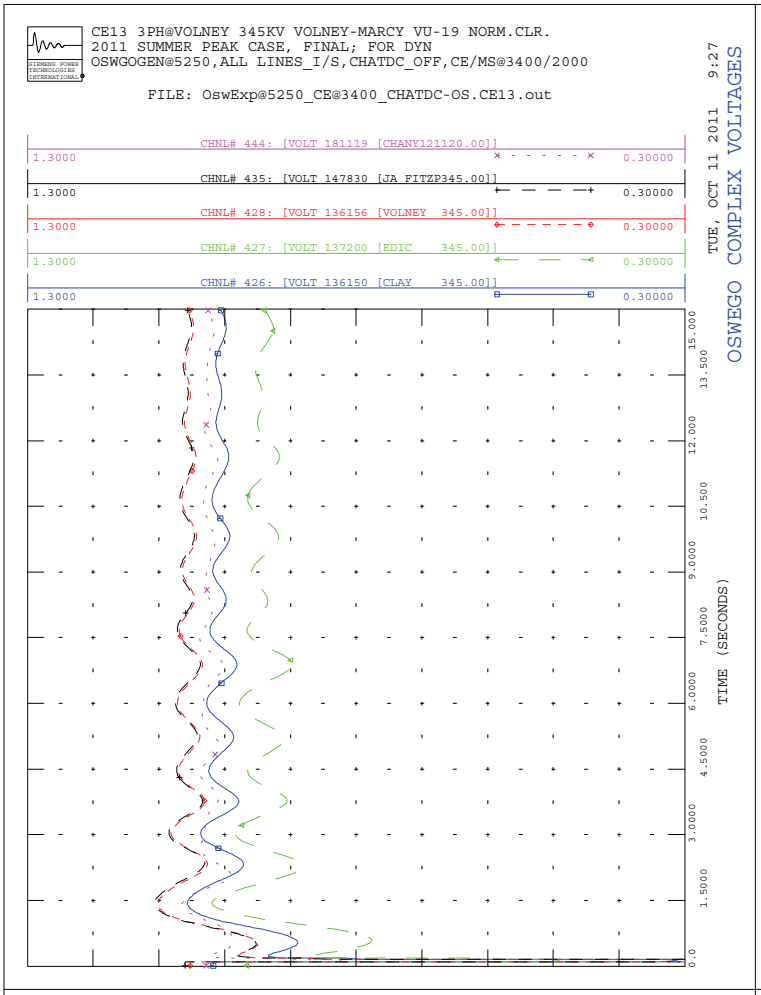
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

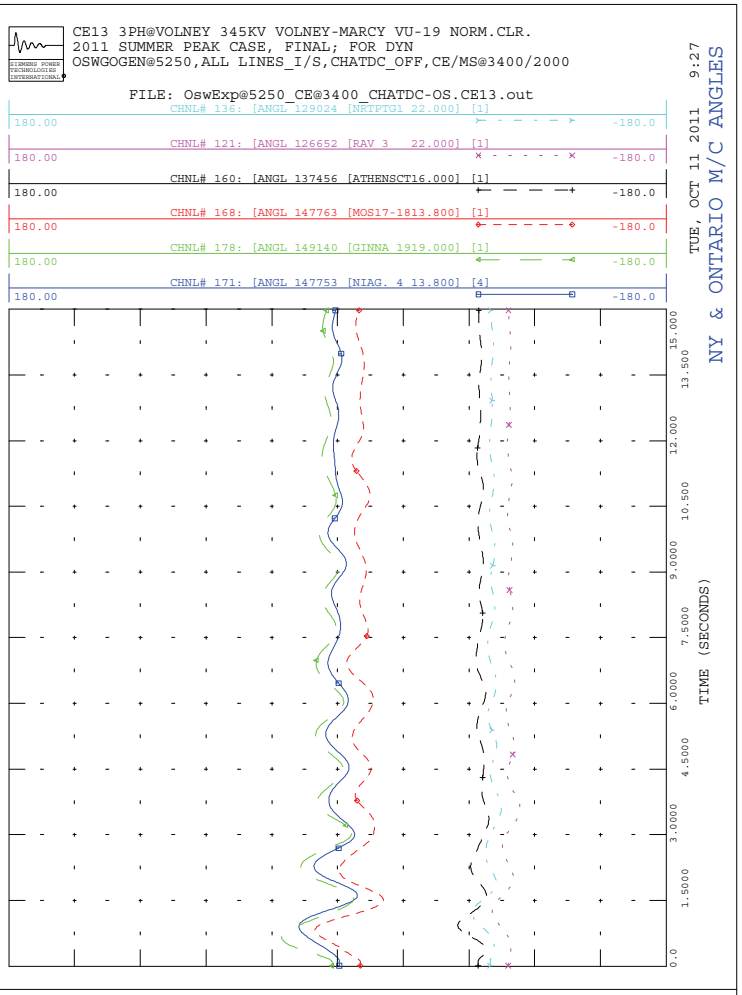
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE07.out

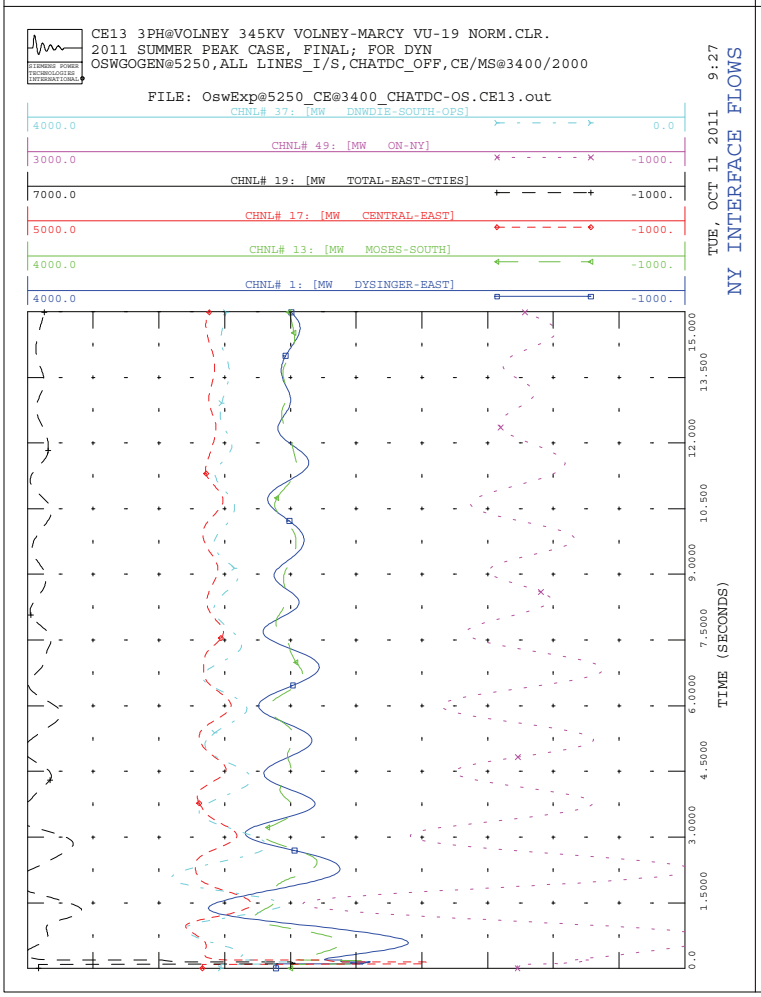


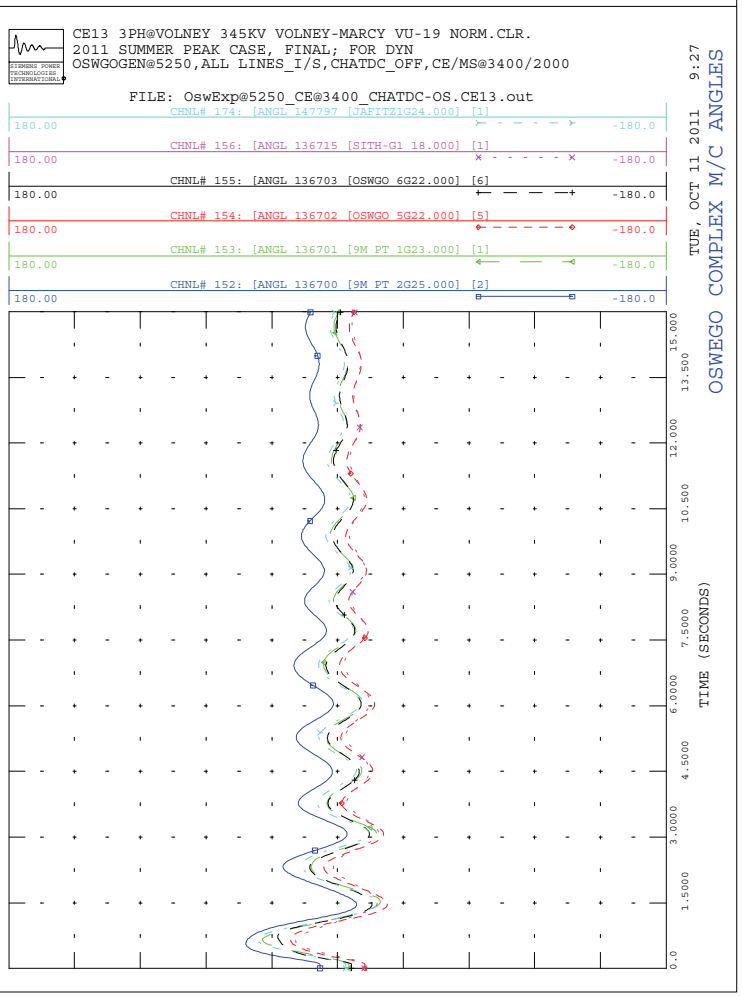
TUE, OCT 11 2011 9:27

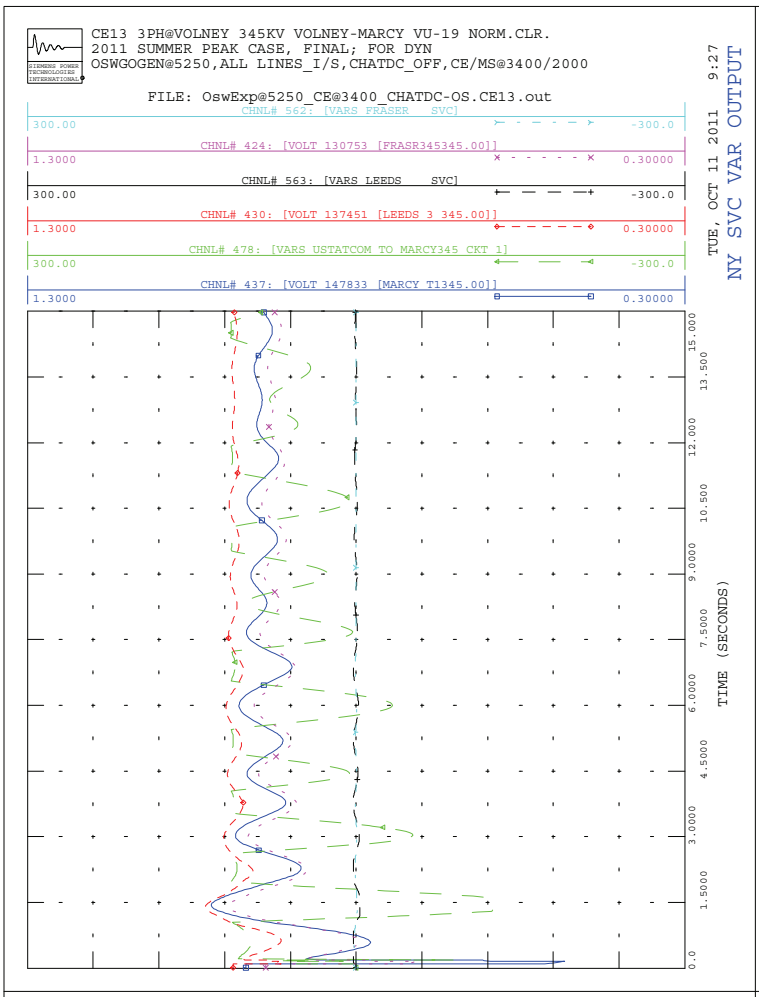
NY & OH VOLTAGES

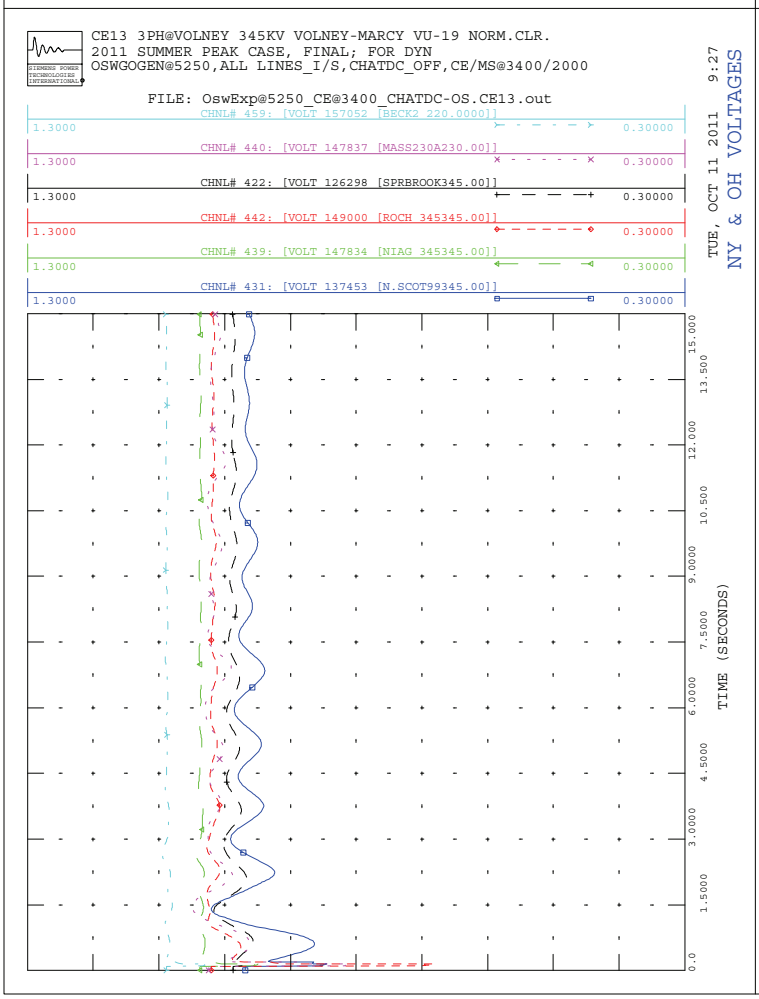

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE13.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE13.out
CHNL# 136: [ANGL 129024 [NRIPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, OCT 11 2011 9:27
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE13.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, OCT 11 2011 9:27
NY INTERFACE FLOWS
TIME (SECONDS)


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE13.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY & OH VOLTAGES
TIME (SECONDS)
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1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
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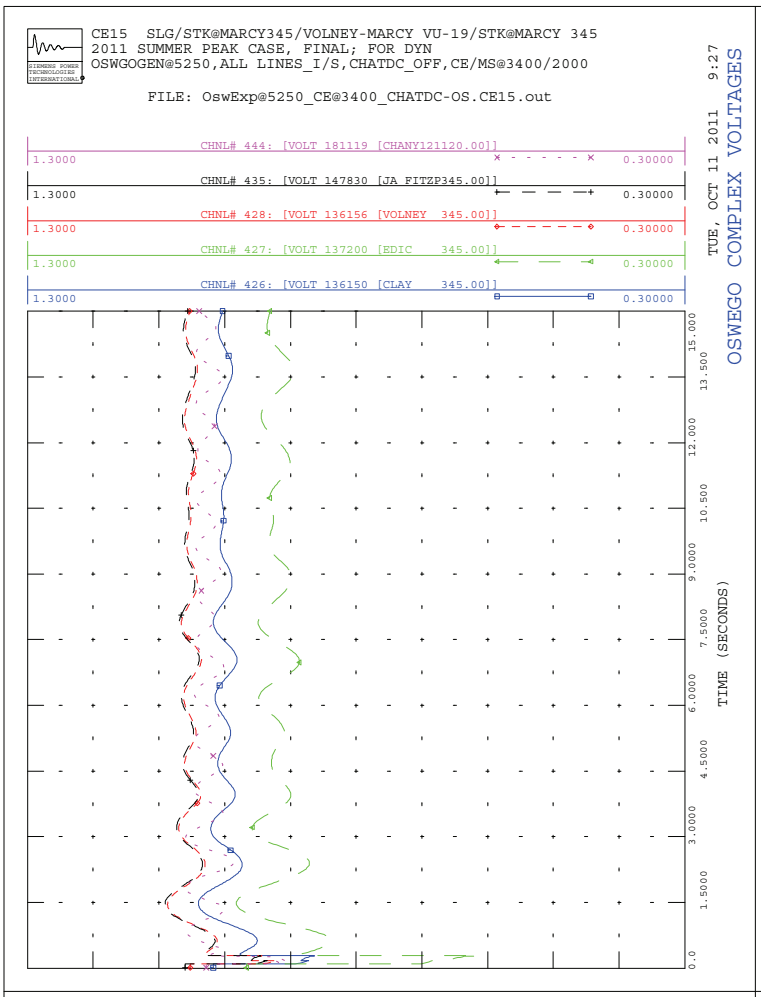
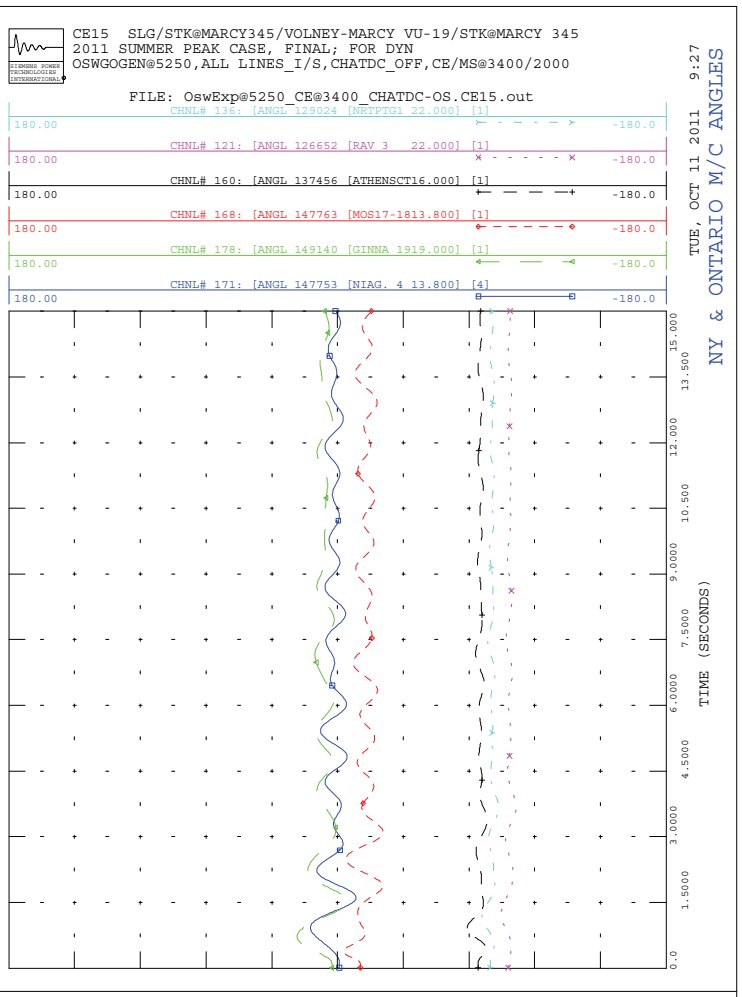
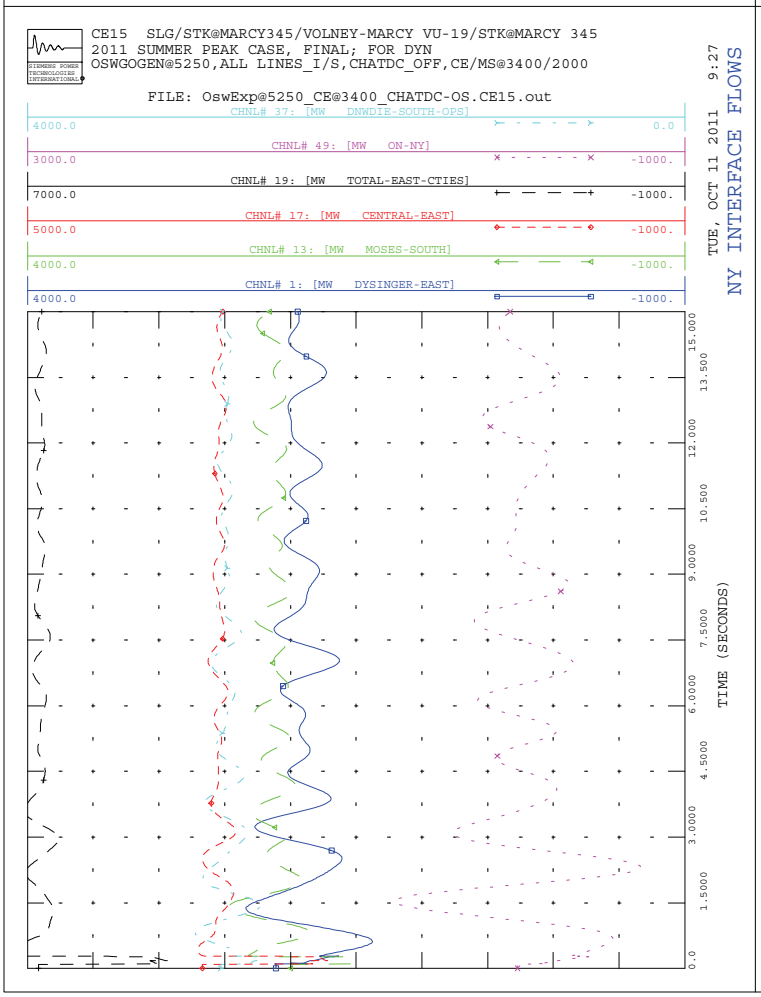
15.000


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE15.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
1.3000 0.30000
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
1.3000 0.30000
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
1.3000 0.30000
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
1.3000 0.30000
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
1.3000 0.30000
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)
0.0 1.5000 3.0000 4.5000 6.0000 7.5000 9.0000 10.500 12.000 13.500 15.000


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE15.out
CHNL# 136: [ANGL 129024 [NRIPTG1 22.000] [1]
180.00 -180.0
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
180.00 -180.0
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
180.00 -180.0
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
180.00 -180.0
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
180.00 -180.0
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
180.00 -180.0
TUE, OCT 11 2011 9:27
NY & ONTARIO M/C ANGLES
TIME (SECONDS)
0.0 1.5000 3.0000 4.5000 6.0000 7.5000 9.0000 10.500 12.000 13.500 15.000


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE15.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
4000.0 0.0
CHNL# 49: [MW ON-NY]
3000.0 -1000.
CHNL# 19: [MW TOTAL-EAST-CTIES]
7000.0 -1000.
CHNL# 17: [MW CENTRAL-EAST]
5000.0 -1000.
CHNL# 13: [MW MOSES-SOUTH]
4000.0 -1000.
CHNL# 1: [MW DYSINGER-EAST]
4000.0 -1000.
TUE, OCT 11 2011 9:27
NY INTERFACE FLOWS
TIME (SECONDS)
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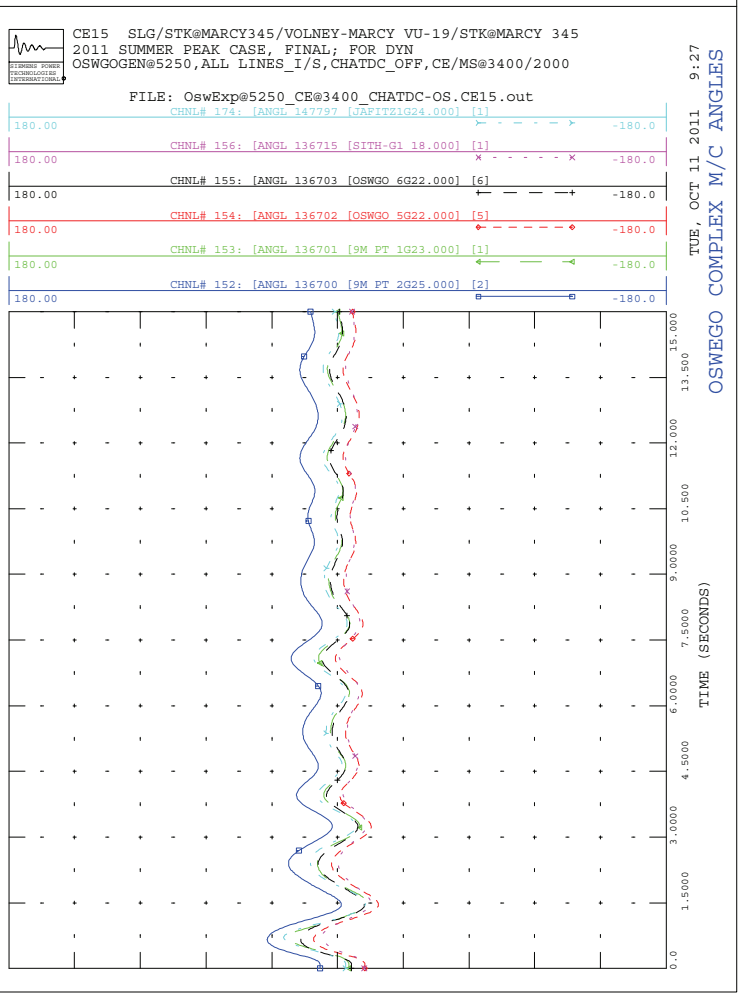
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE15.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
180.00 -180.0
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
180.00 -180.0
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
180.00 -180.0
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
180.00 -180.0
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
180.00 -180.0
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
180.00 -180.0
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX M/C ANGLES
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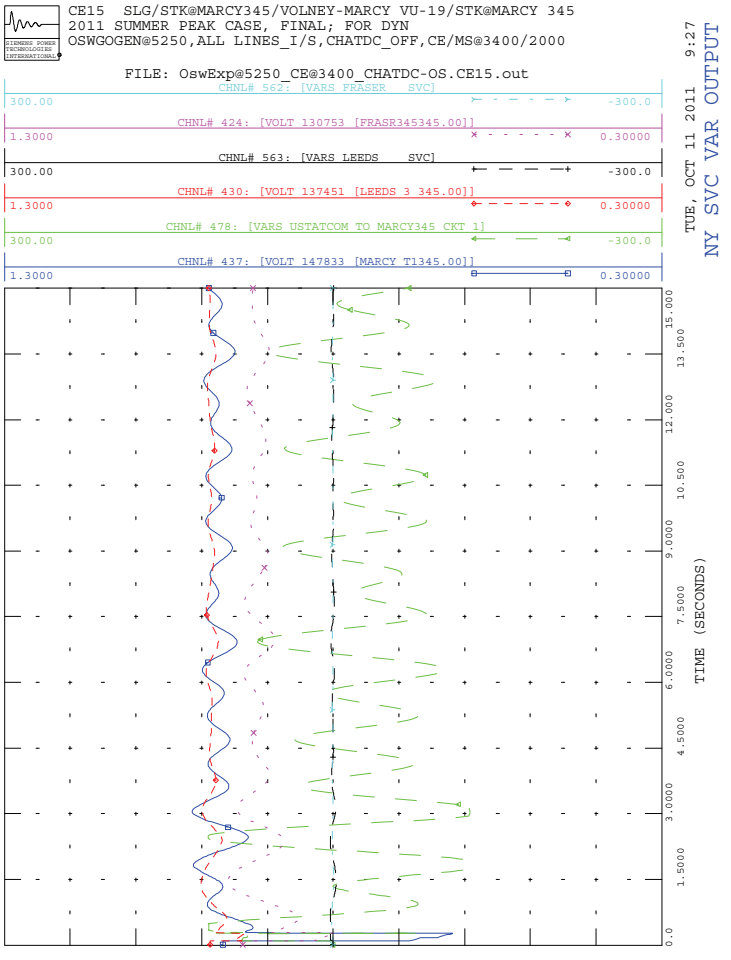
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY SVC VAR OUTPUT
TIME (SECONDS)
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9.0000
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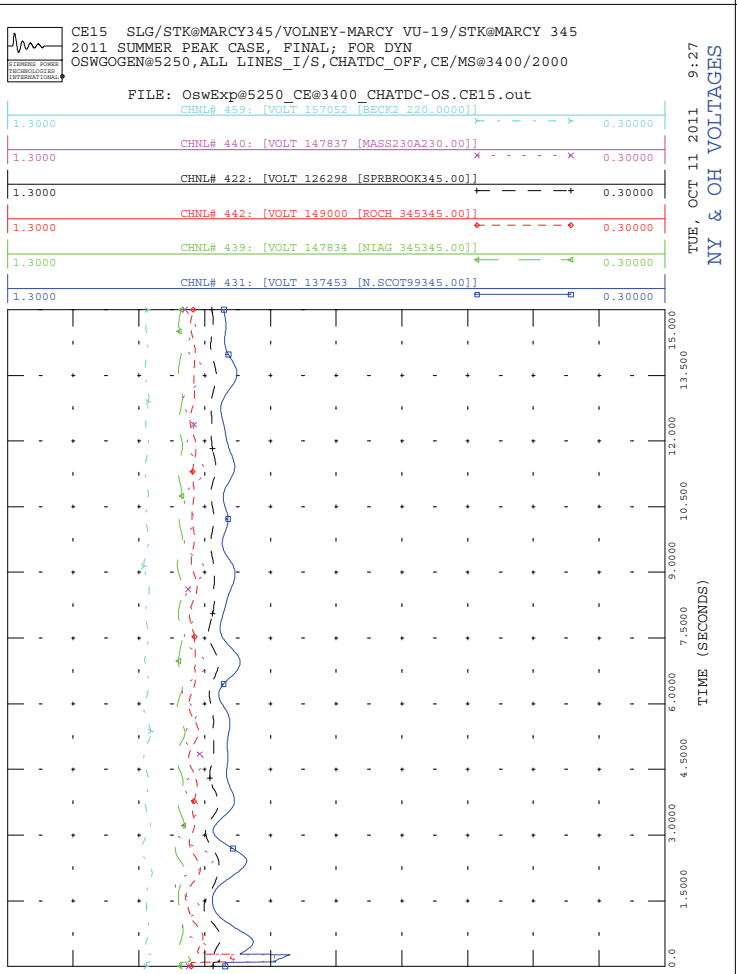
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY & OH VOLTAGES
TIME (SECONDS)
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1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
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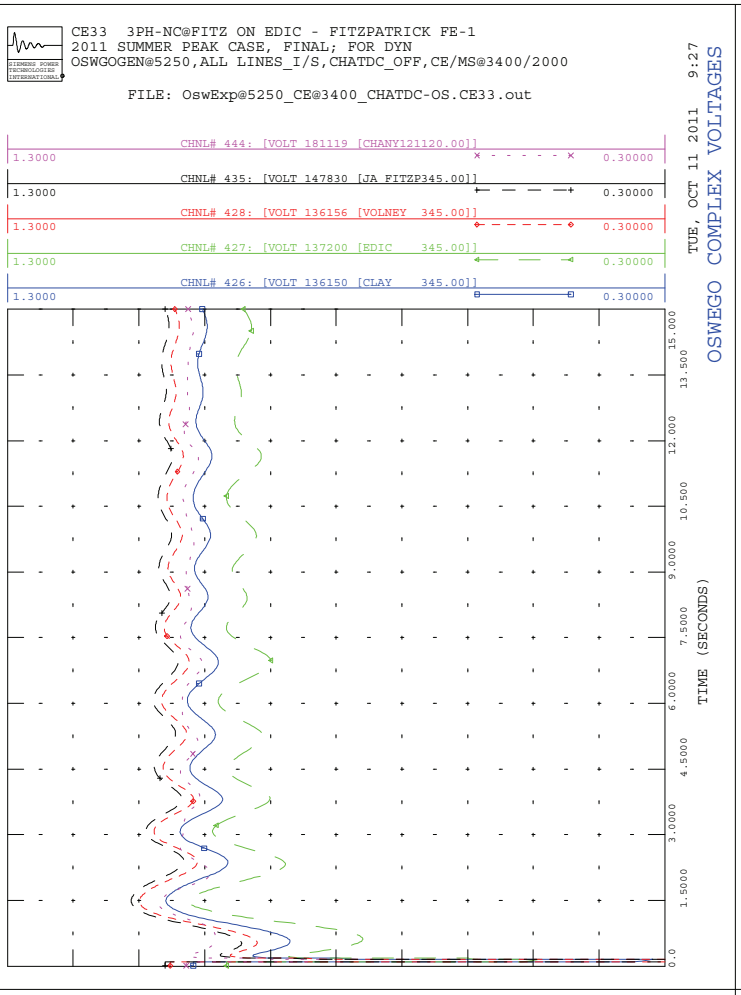
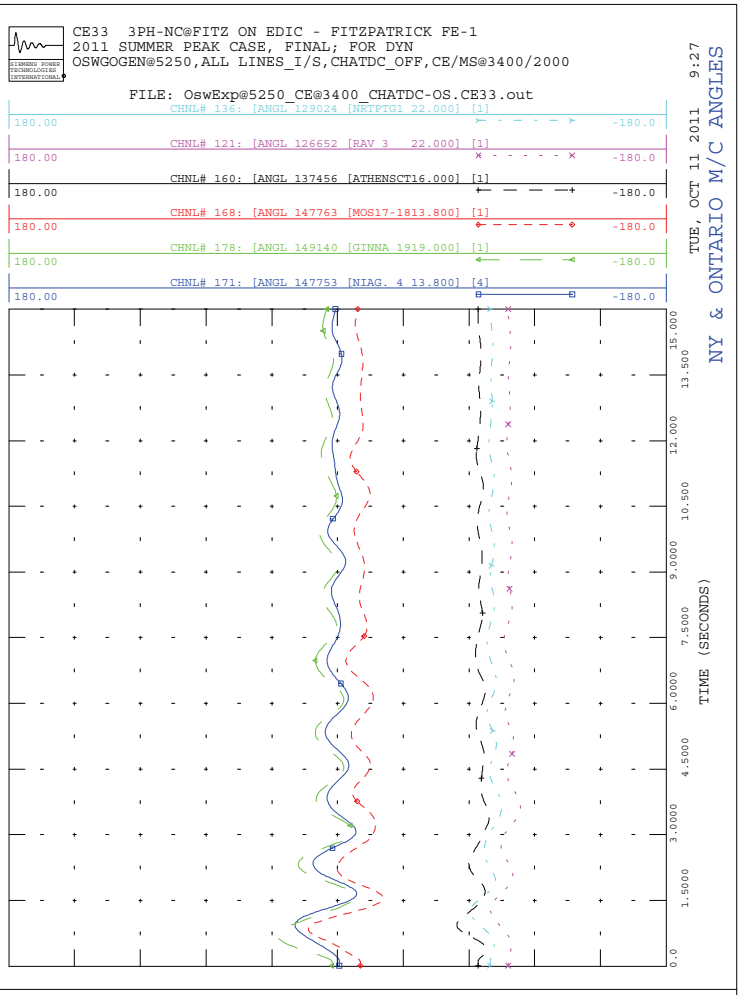
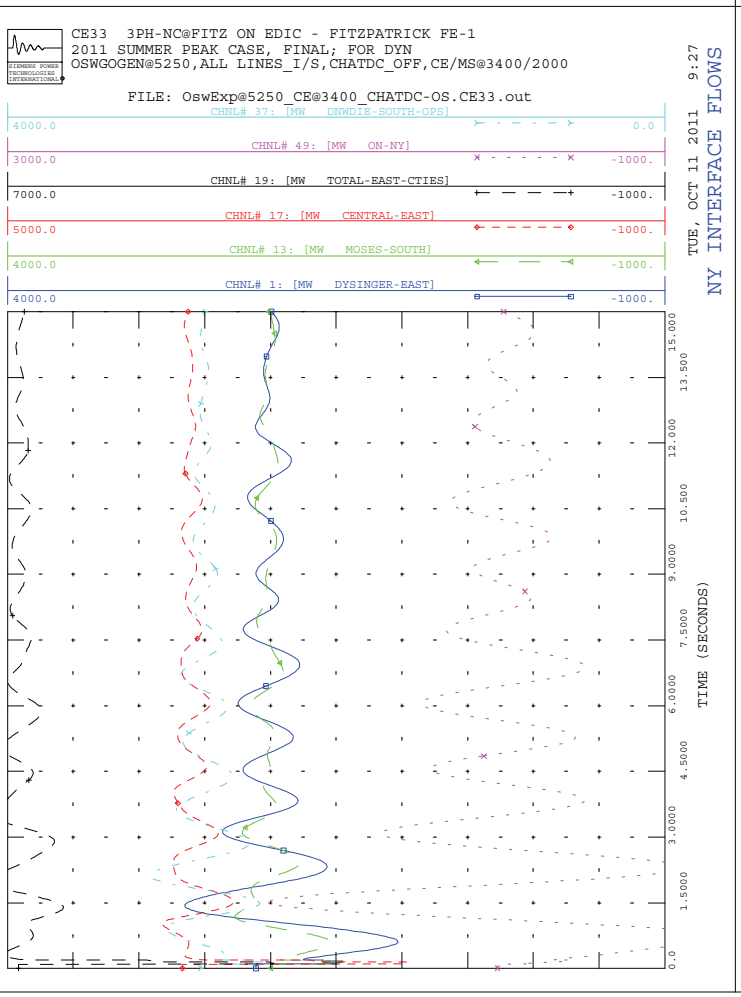
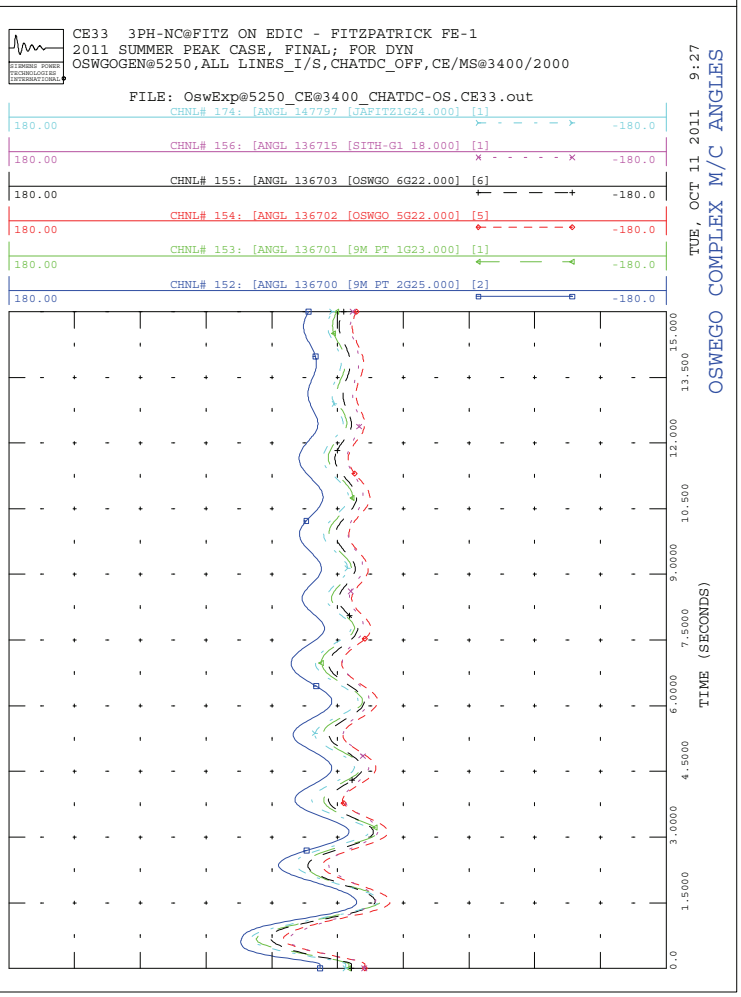
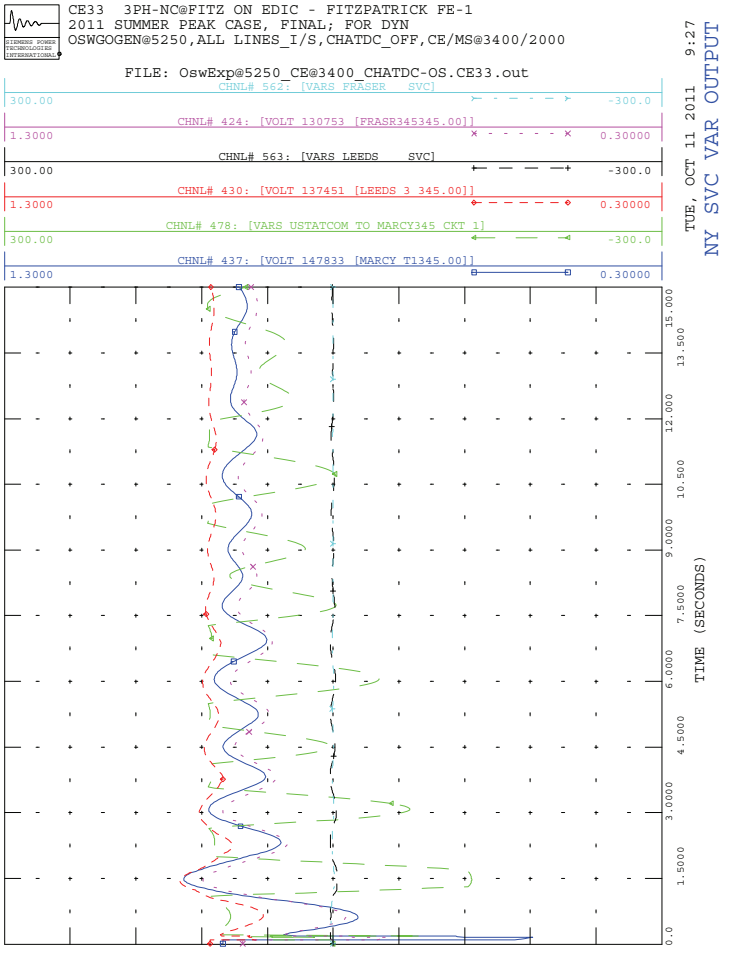
13.500
15.000


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE33.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE33.out
CHNL# 136: [ANGL 129024 [NRIPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, OCT 11 2011 9:27
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE33.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, OCT 11 2011 9:27
NY INTERFACE FLOWS
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE33.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY SVC VAR OUTPUT
TIME (SECONDS)
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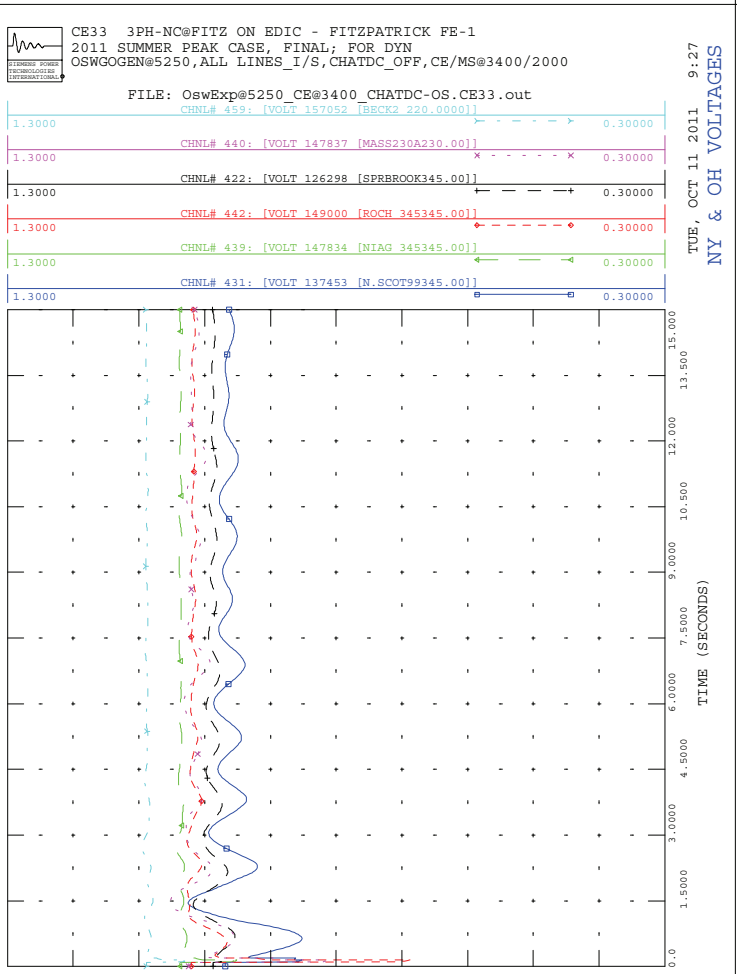
15.000


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY & OH VOLTAGES
TIME (SECONDS)
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1.5000
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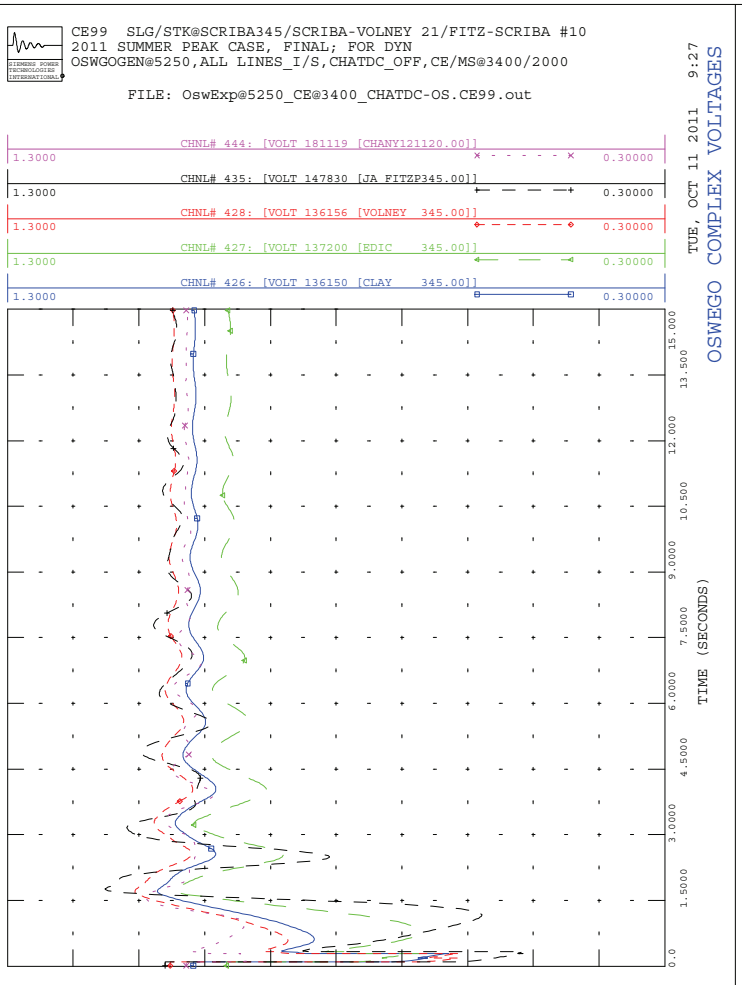
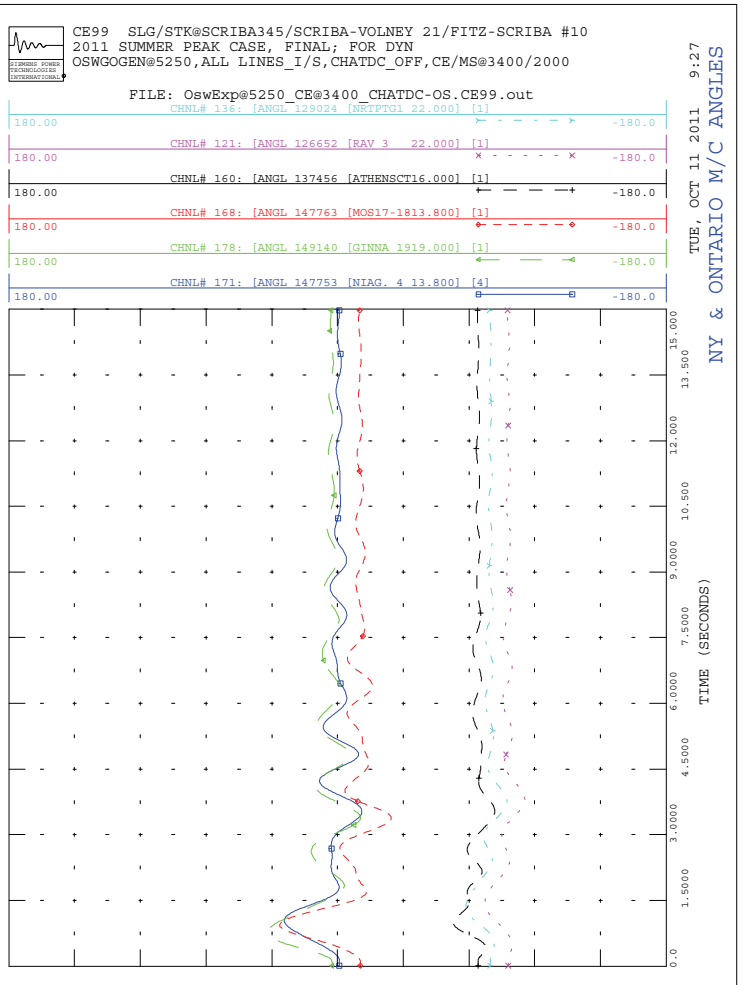
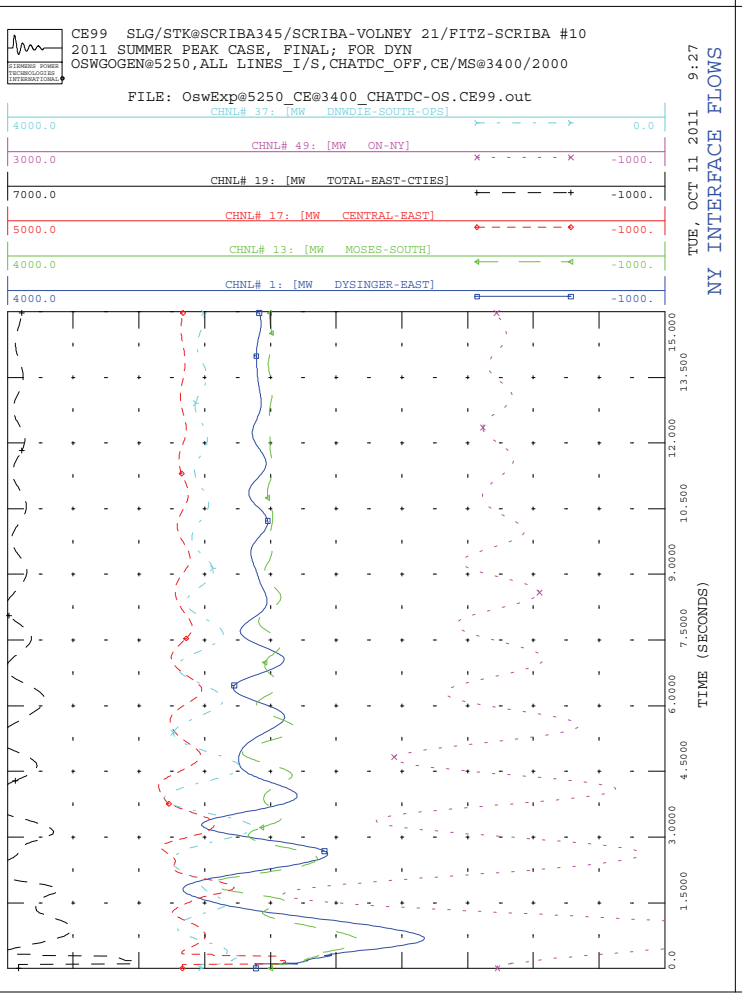
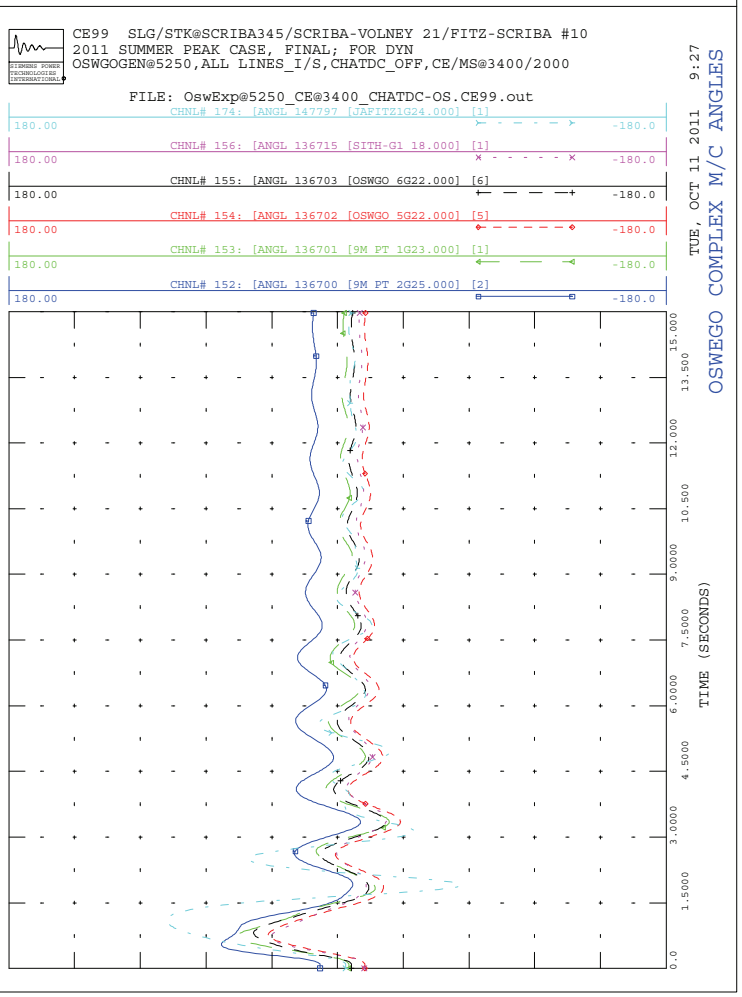
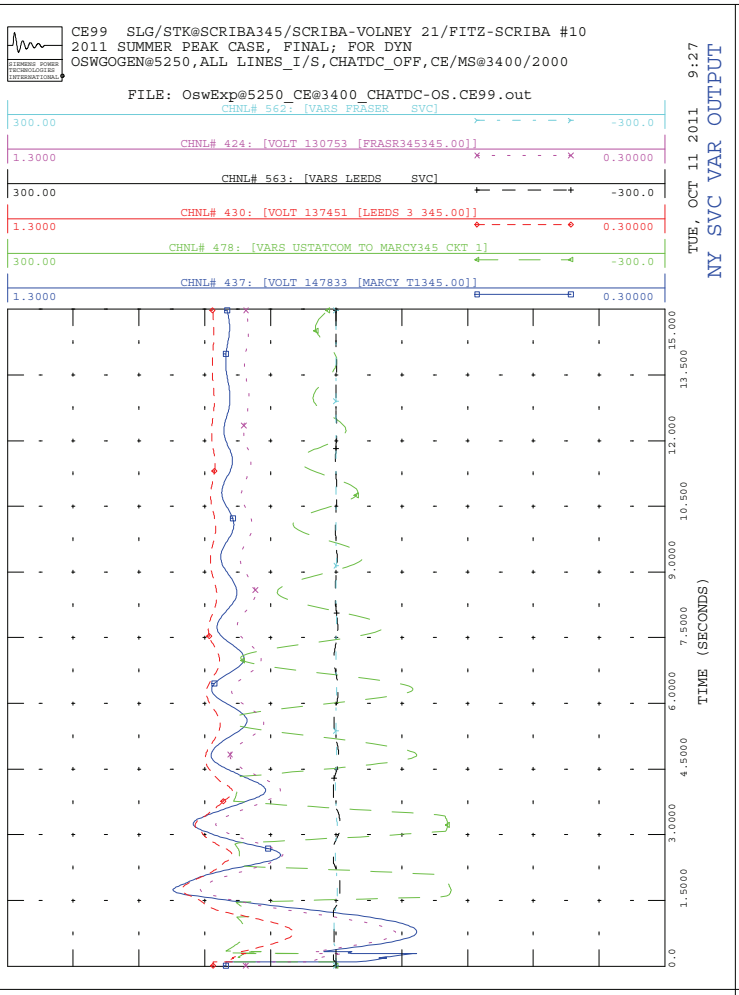
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE99.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE99.out
CHNL# 136: [ANGL 129024 [NRIPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, OCT 11 2011 9:27
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, OCT 11 2011 9:27
NY INTERFACE FLOWS
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY SVC VAR OUTPUT
TIME (SECONDS)
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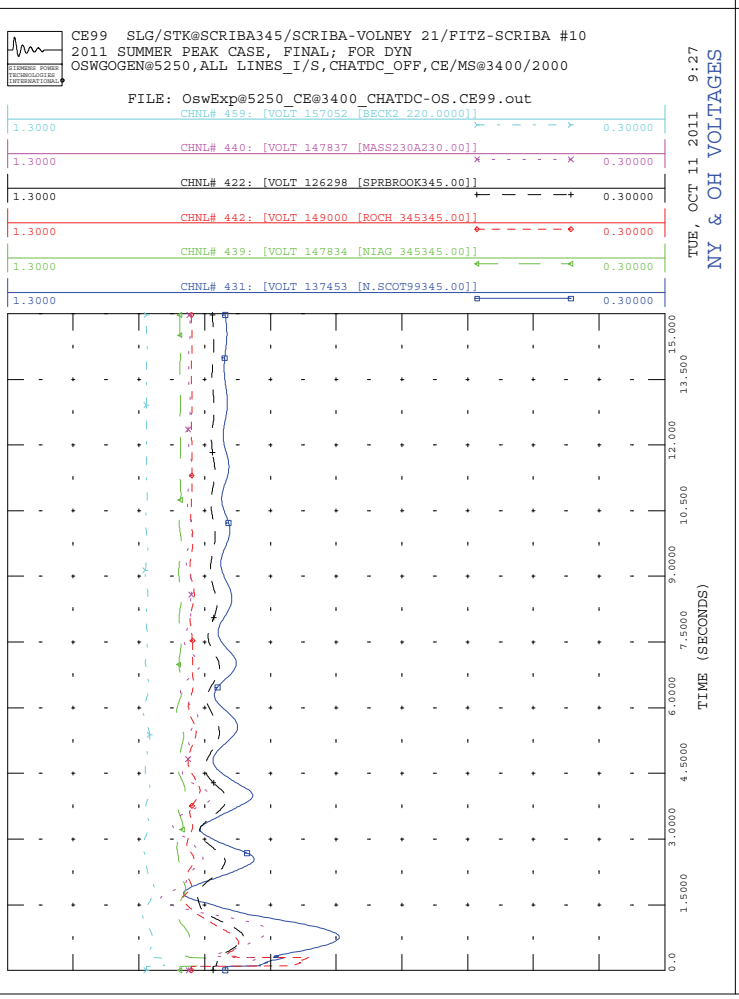
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, OCT 11 2011 9:27
NY & OH VOLTAGES
TIME (SECONDS)
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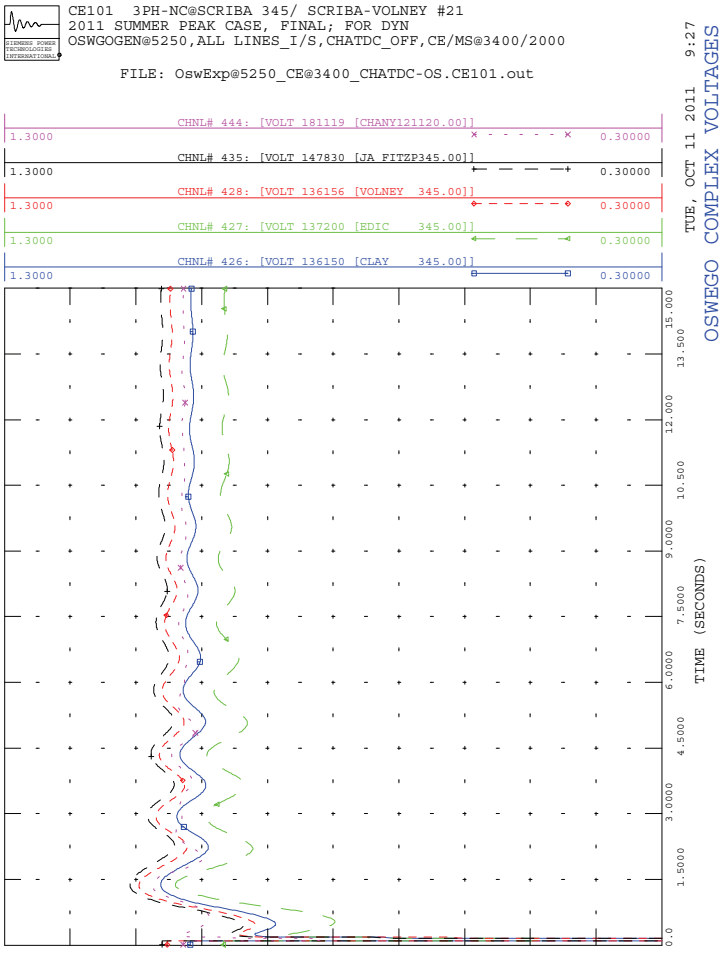
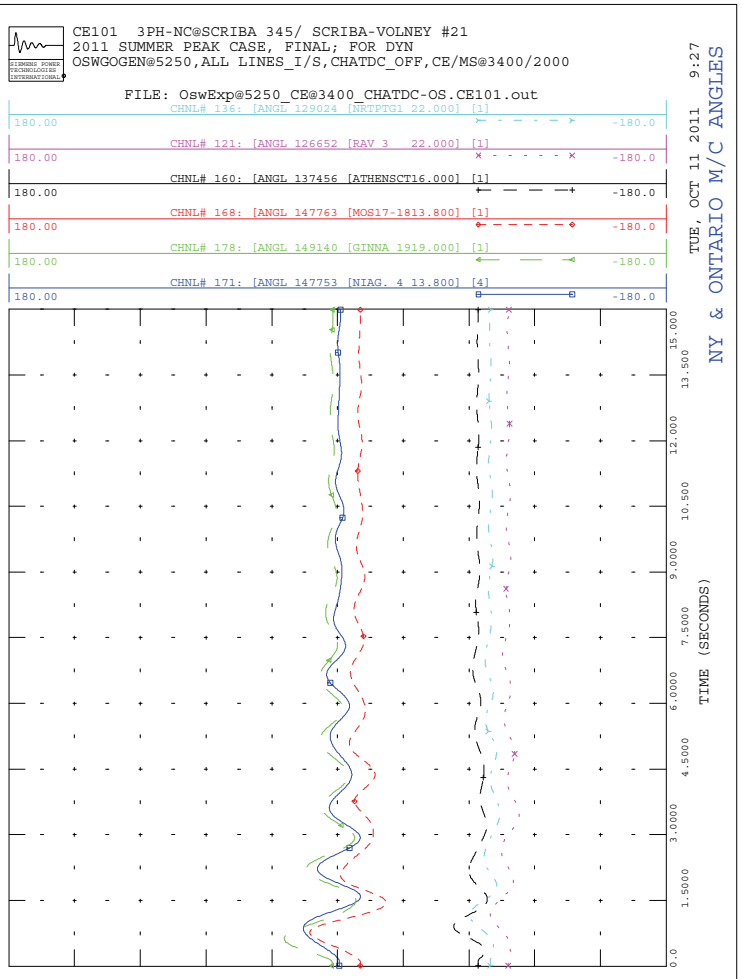
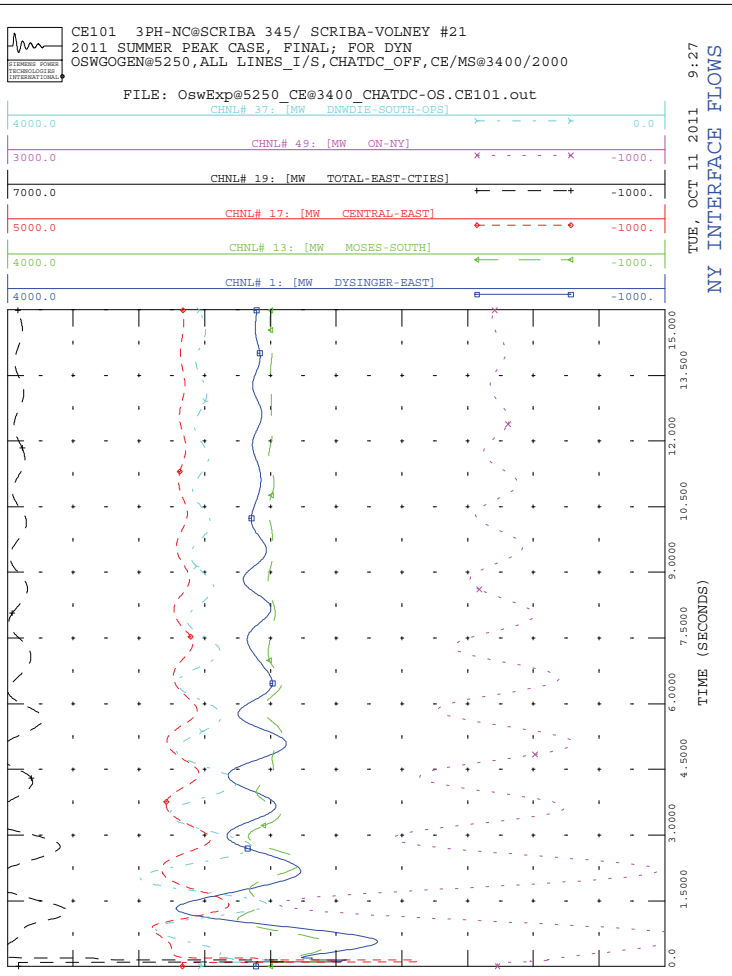
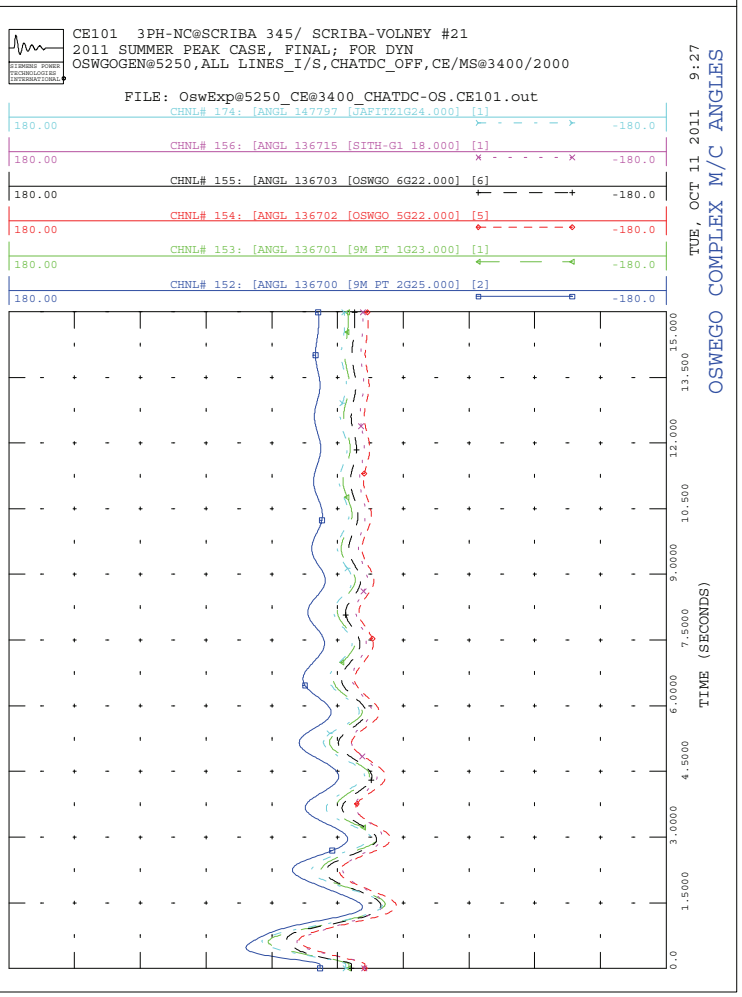
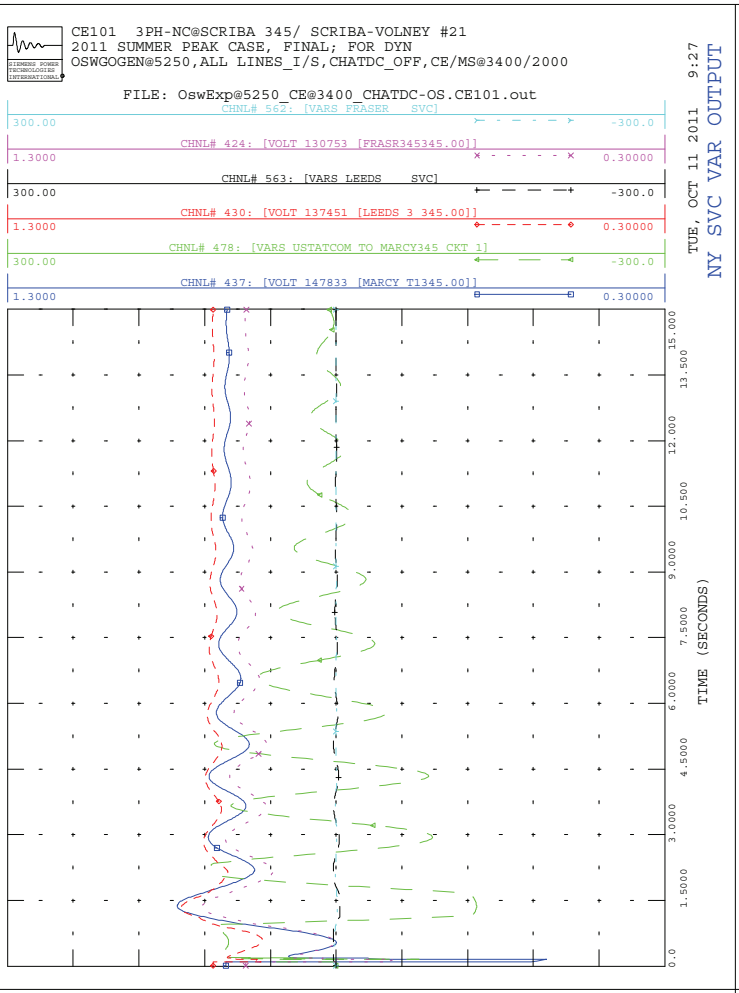
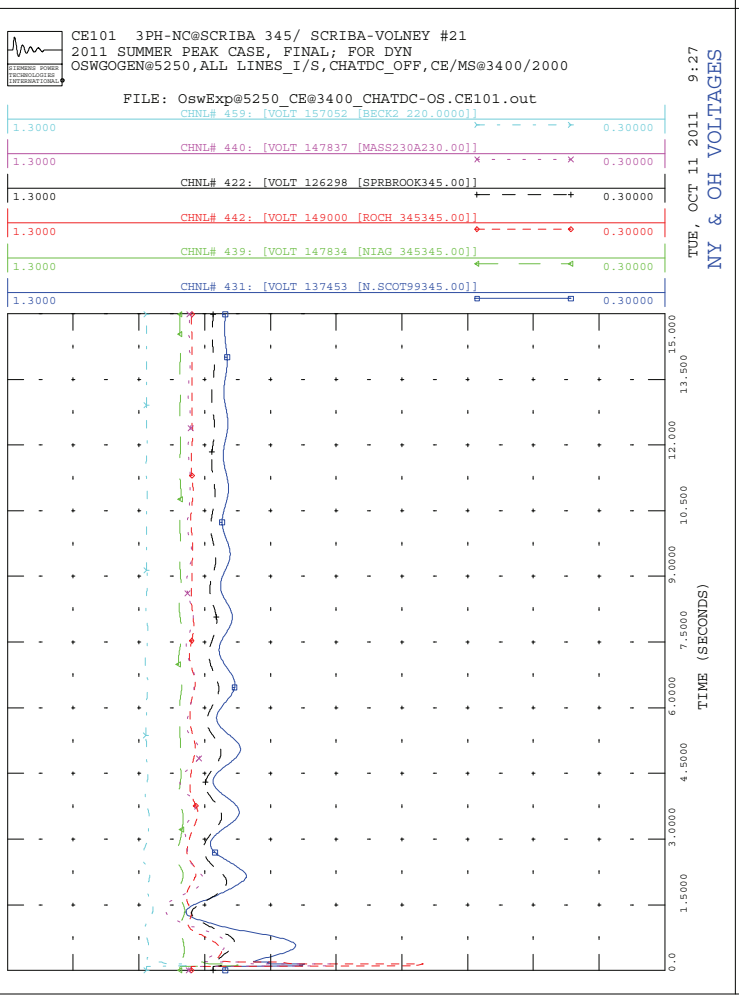

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE101.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE101.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, OCT 11 2011 9:27
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE101.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, OCT 11 2011 9:27
NY INTERFACE FLOWS
TIME (SECONDS)

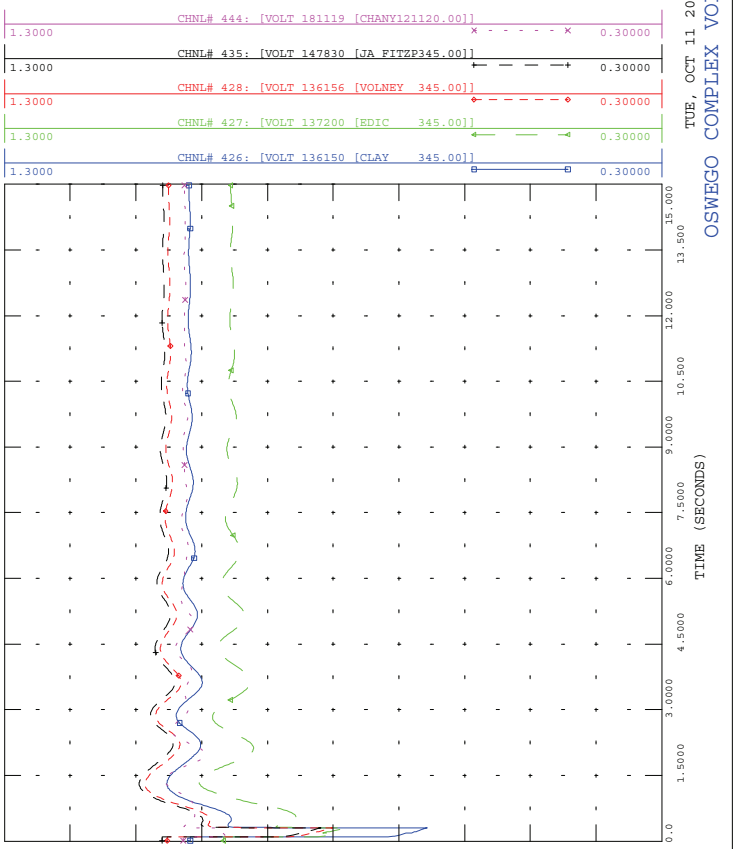

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE101.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, OCT 11 2011 9:27
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE101.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, OCT 11 2011 9:27
NY SVC VAR OUTPUT


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@5250_CE@3400_CHATDC-OS.CE101.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, OCT 11 2011 9:27
NY & OH VOLTAGES

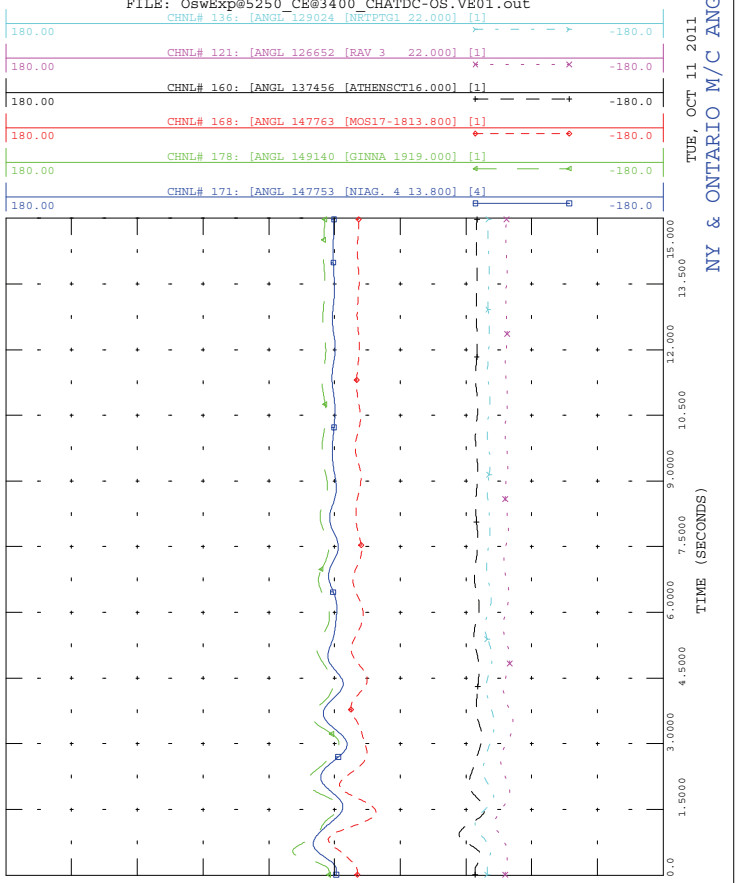
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.VE01.out



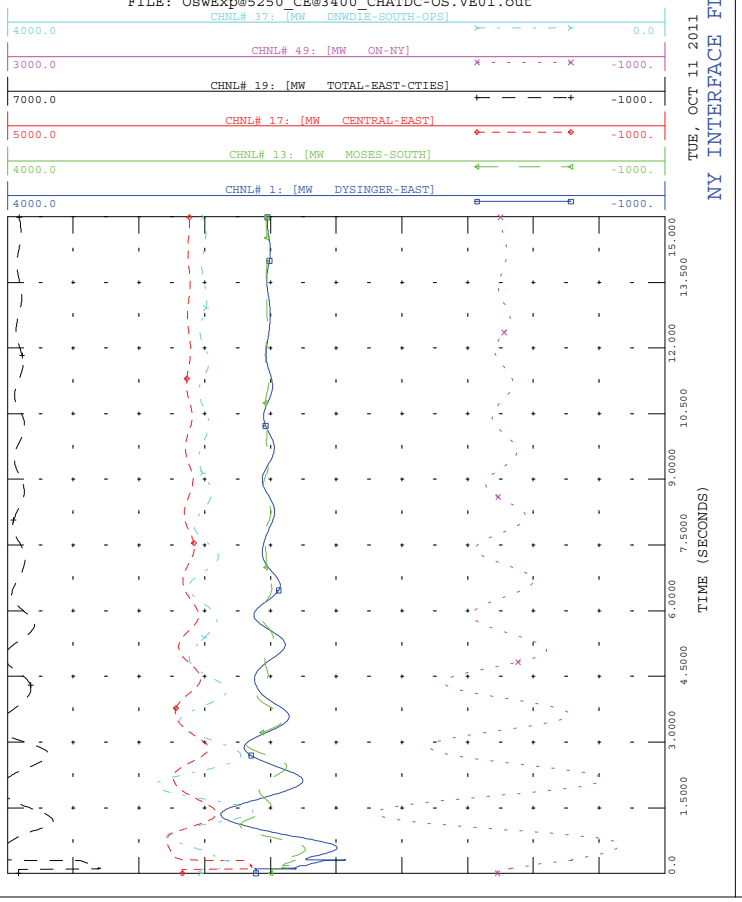
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.VE01.out



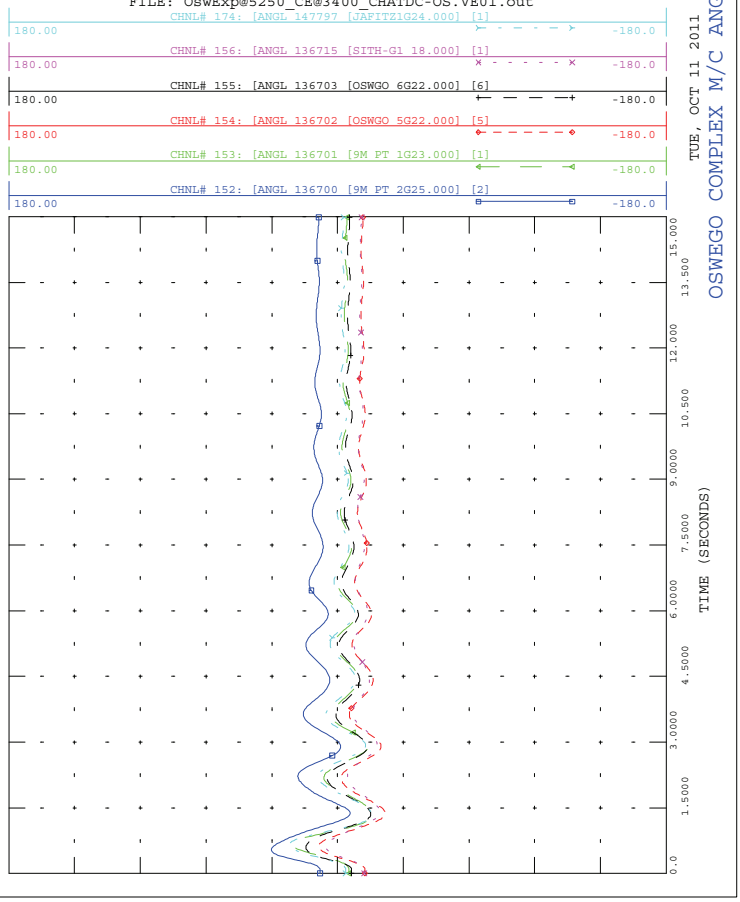
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.VE01.out



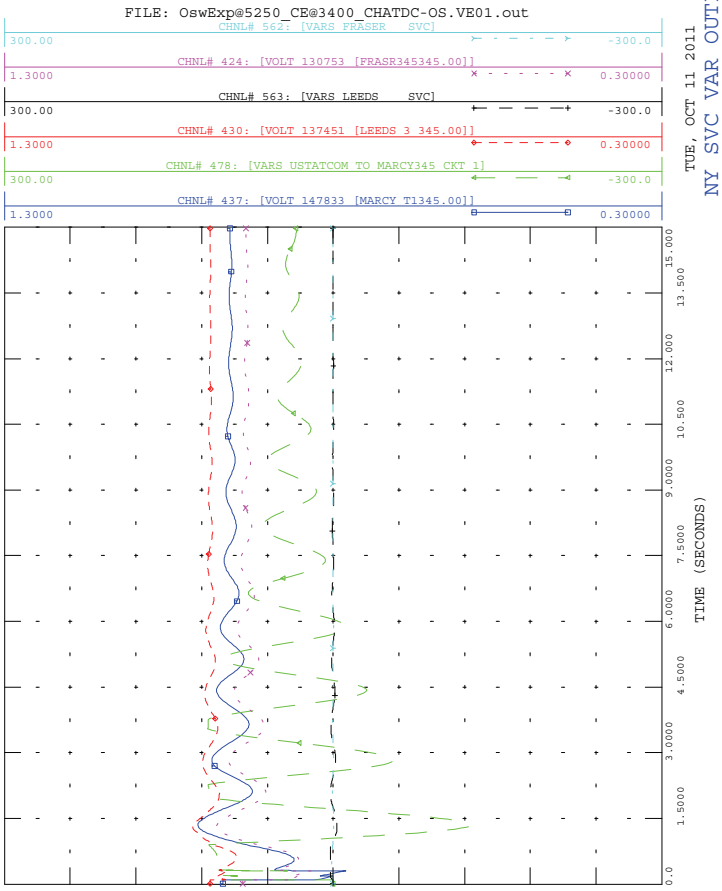
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.VE01.out

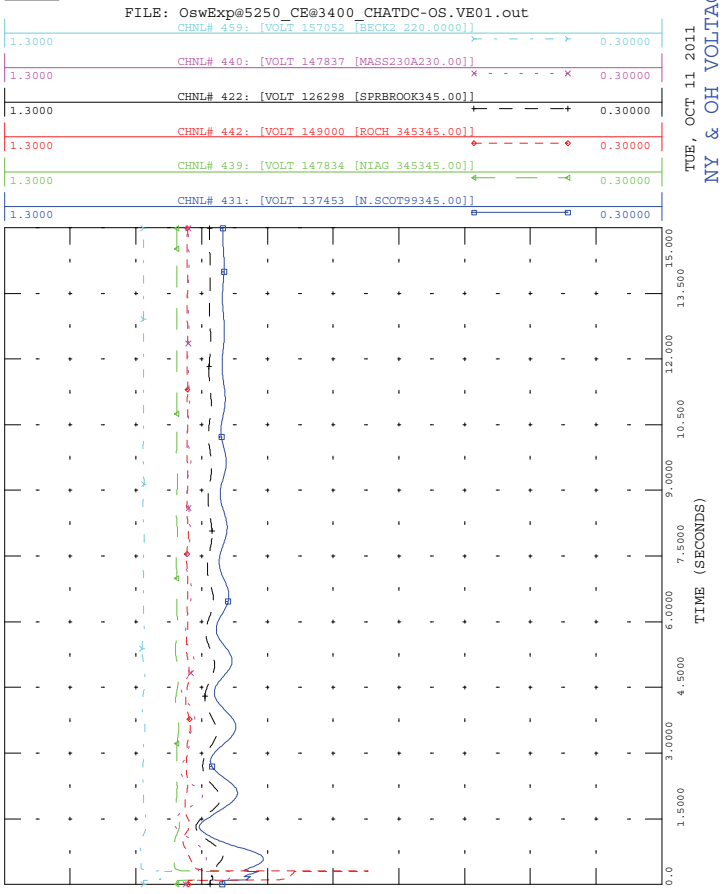


TUE, OCT 11 2011 9:27

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGOGEN@5250,ALL LINES_I/S,CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@5250_CE@3400_CHATDC-OS.VE01.out



TUE, OCT 11 2011 9:27

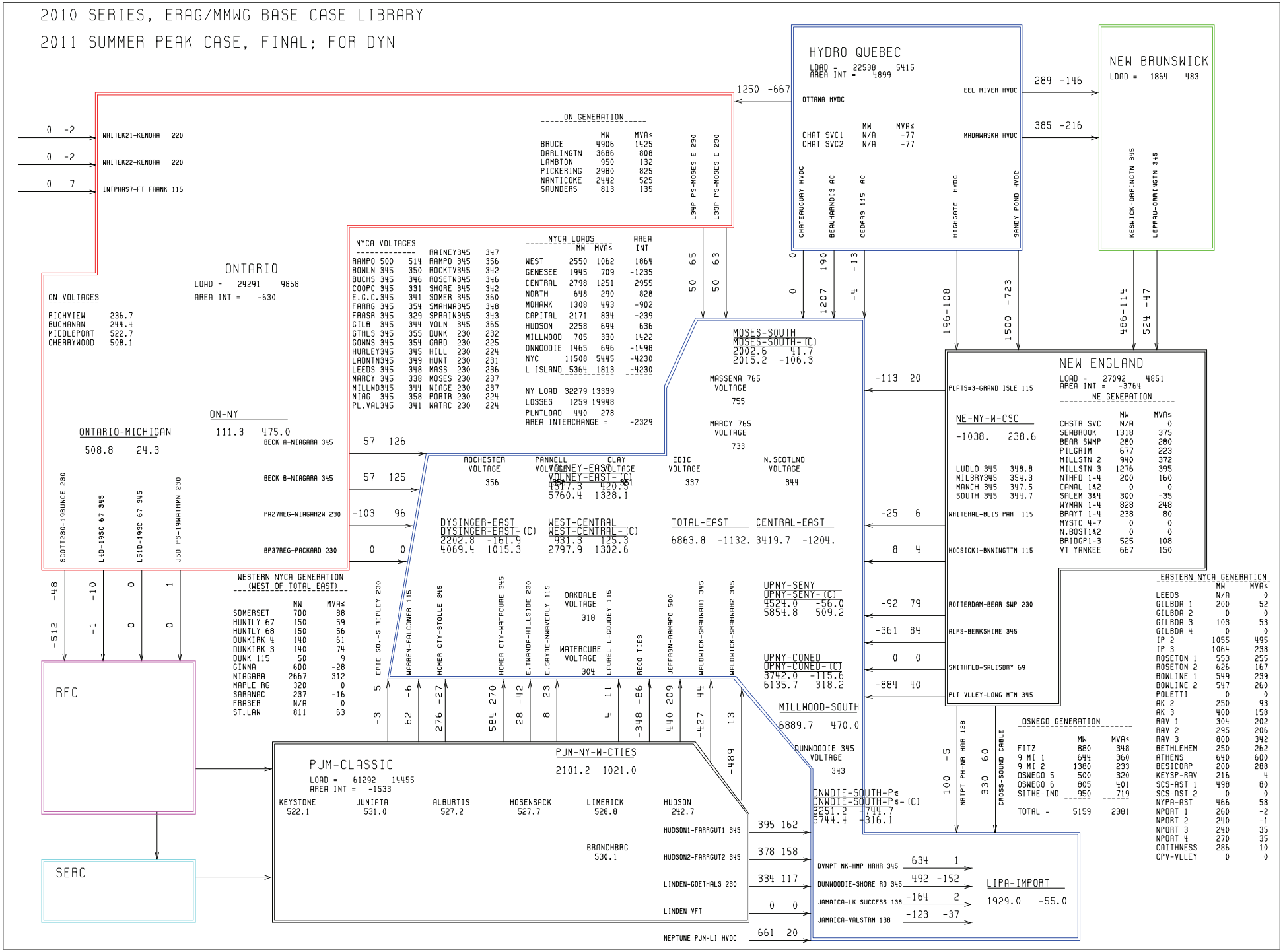
NY & OH VOLTAGES

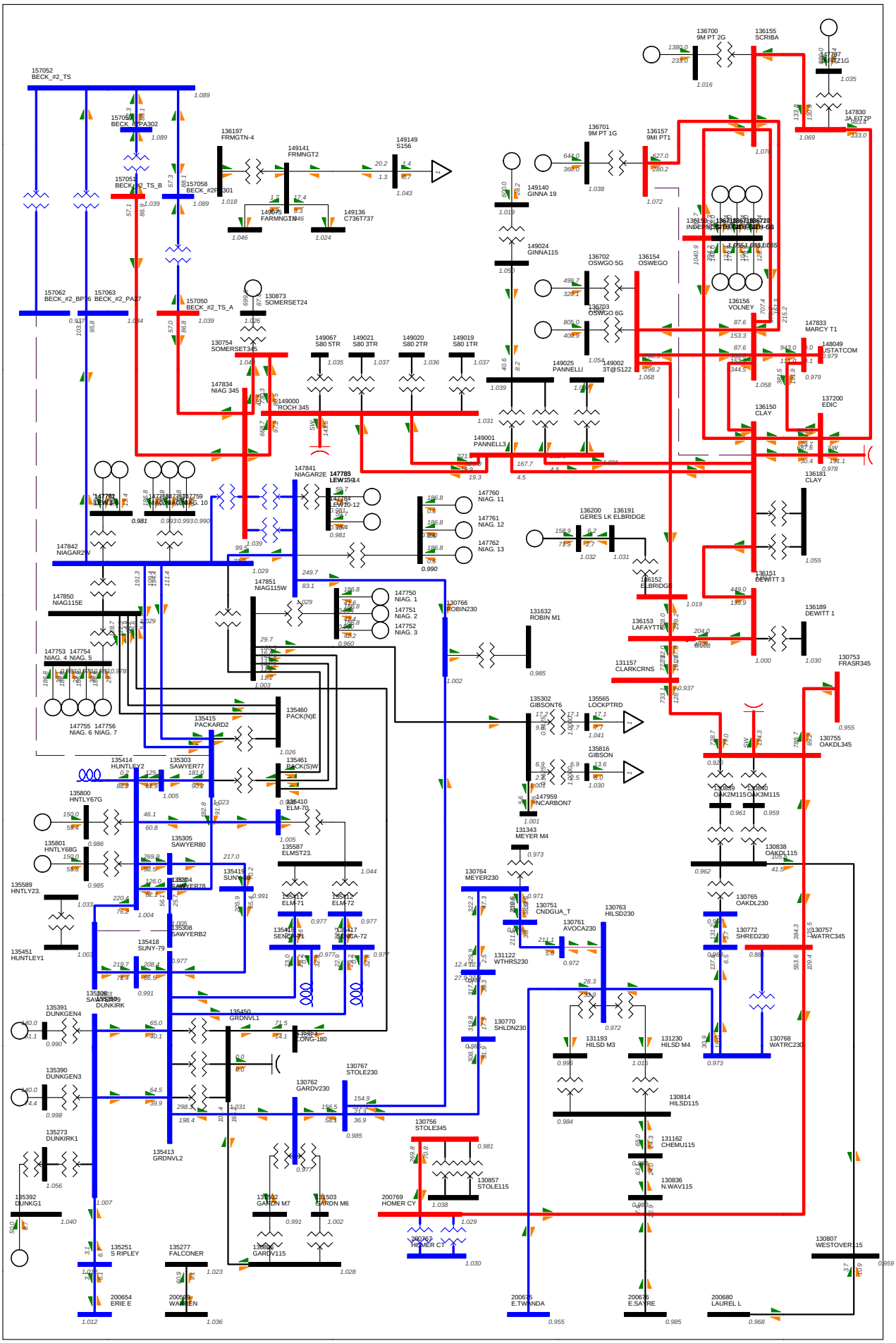
APPENDIX B – Oswego Export Limit – 9 Mile – Clay (#8) Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
THU, NOV 03 2011 9:11

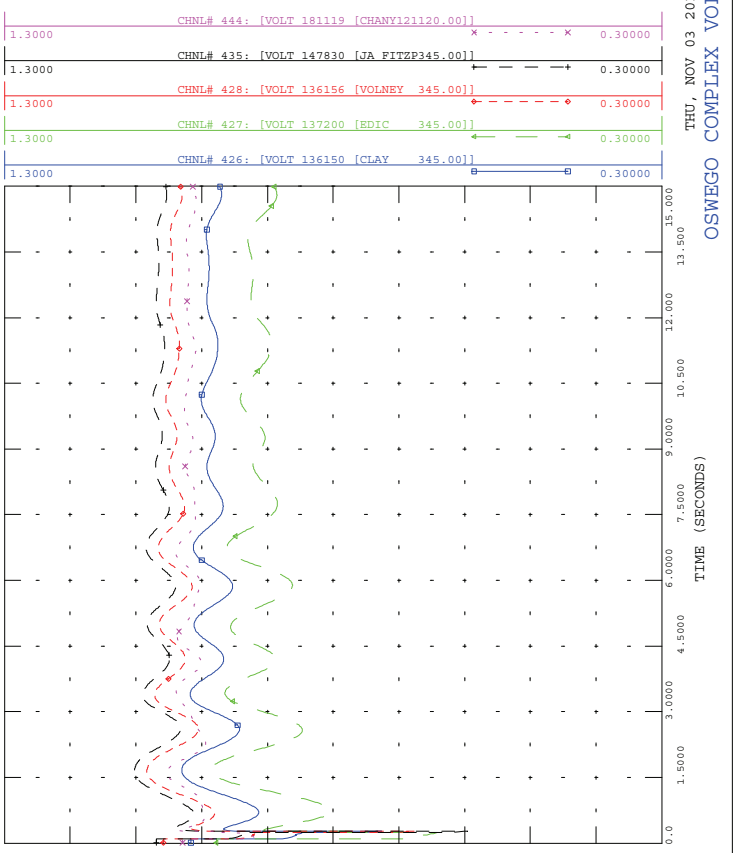
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

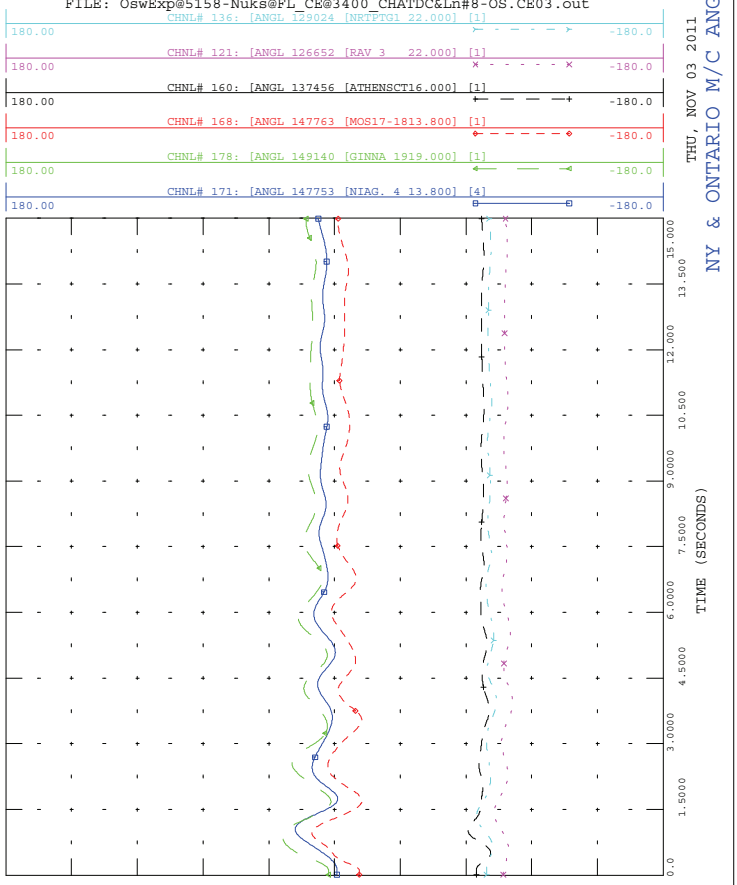
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE03.out



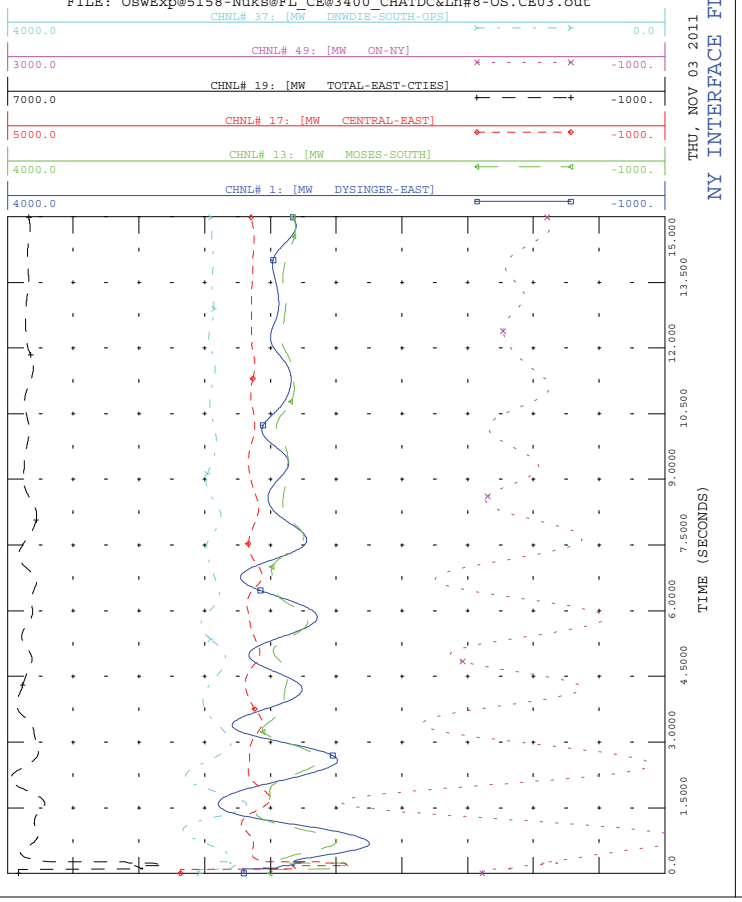
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE03.out



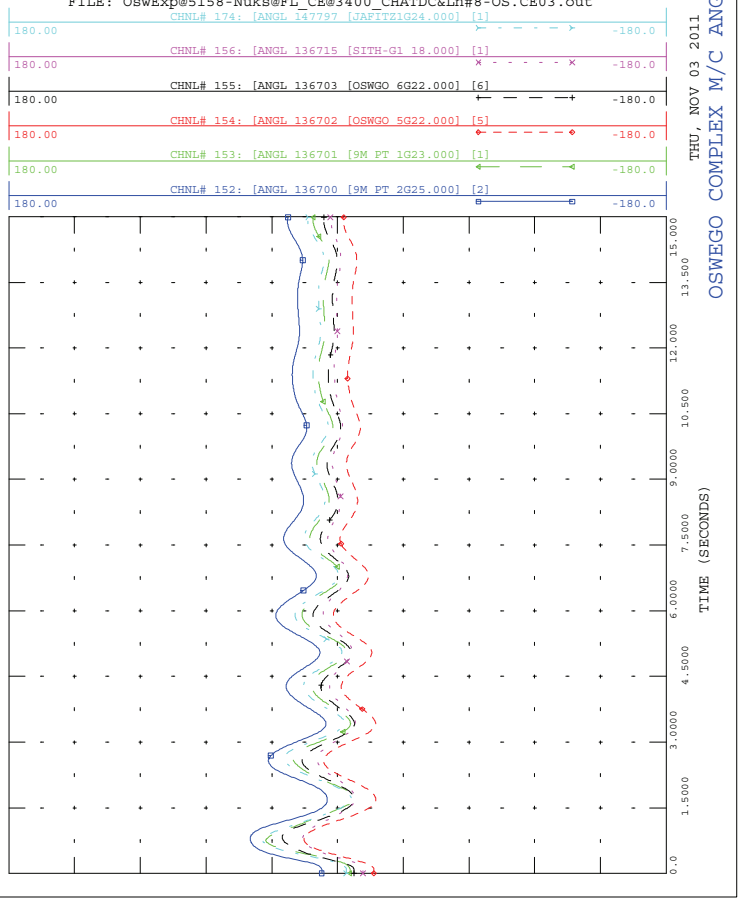
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

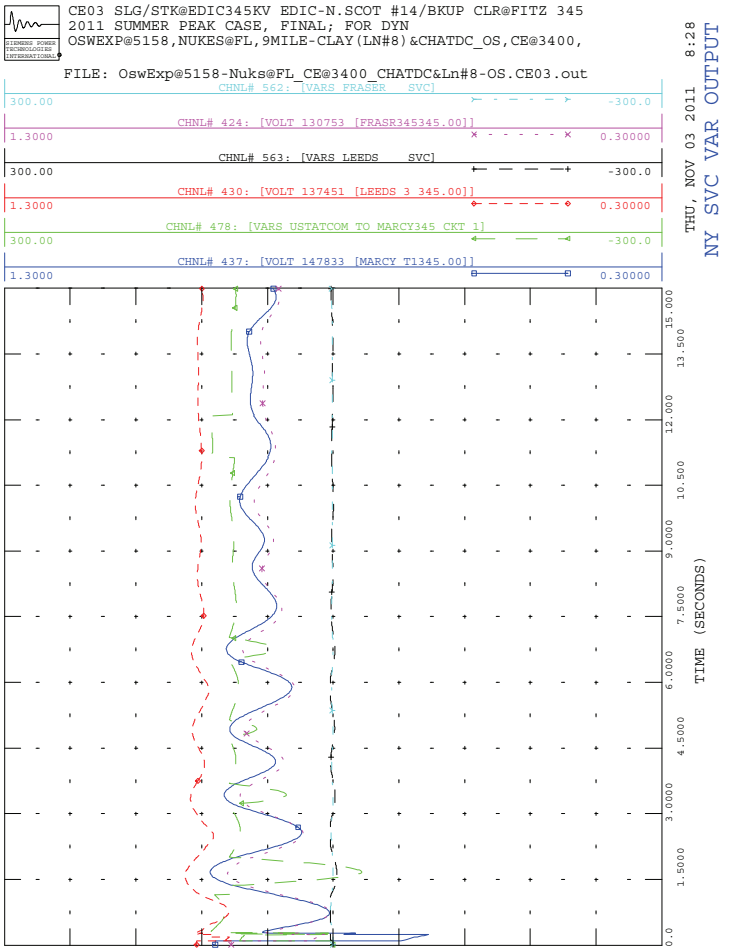
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE03.out

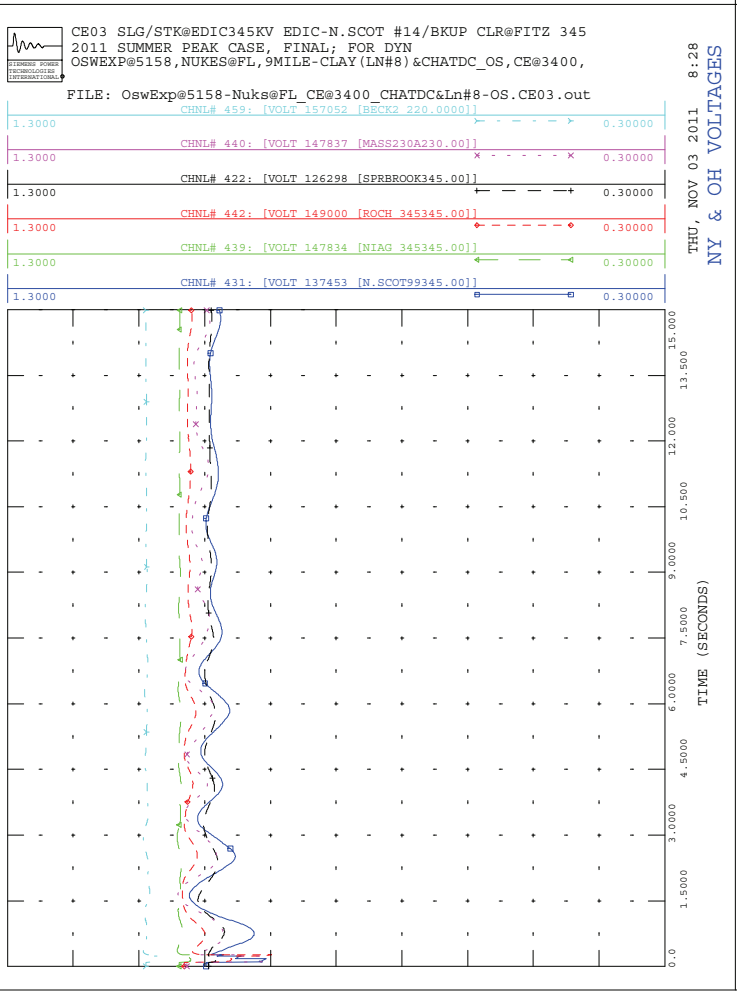


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE03.out

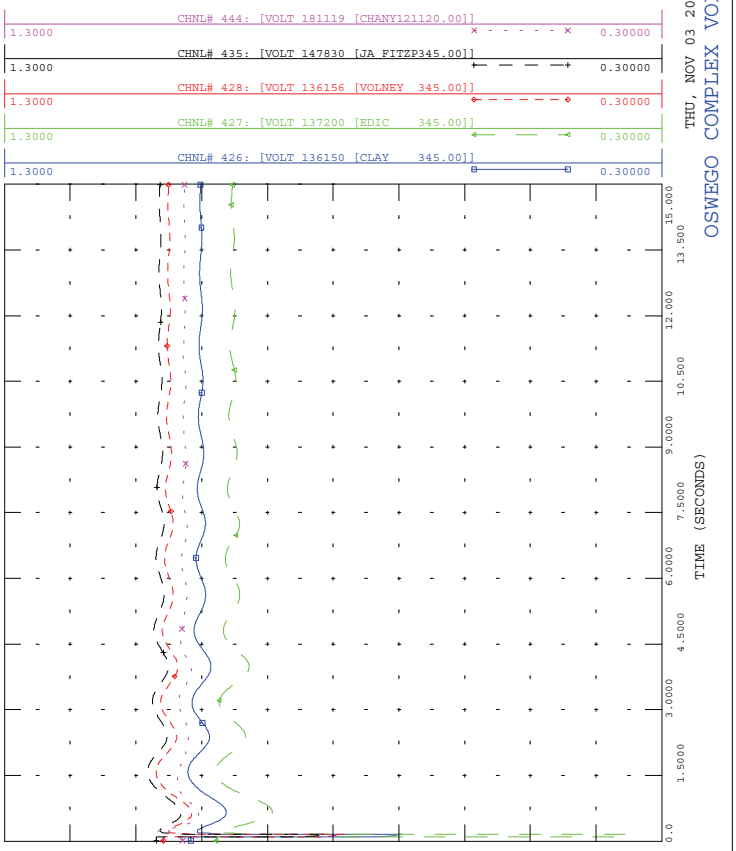



CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY & OH VOLTAGES

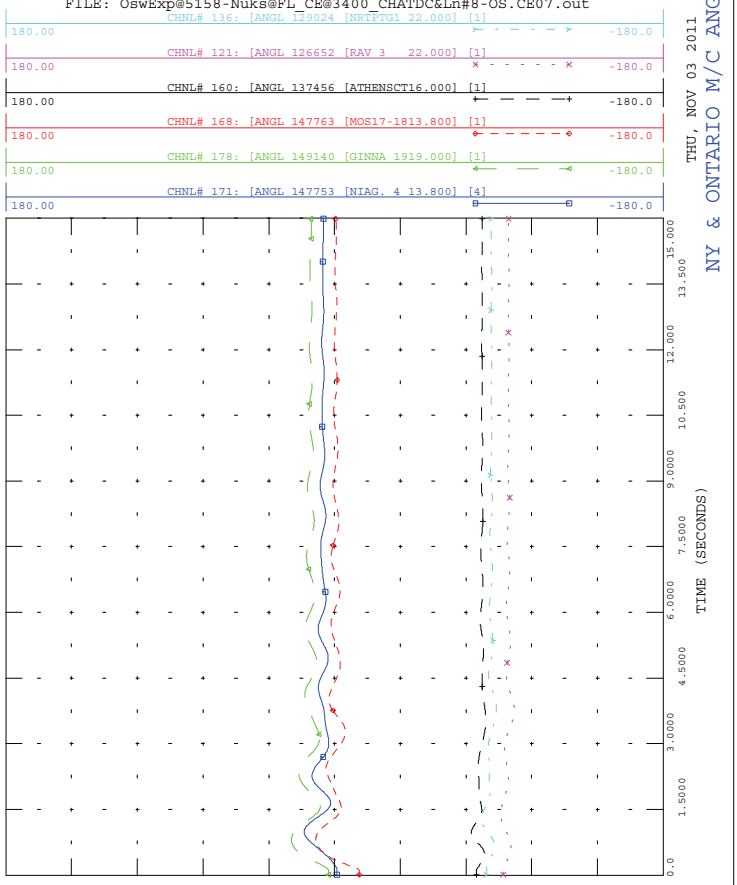
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE07.out



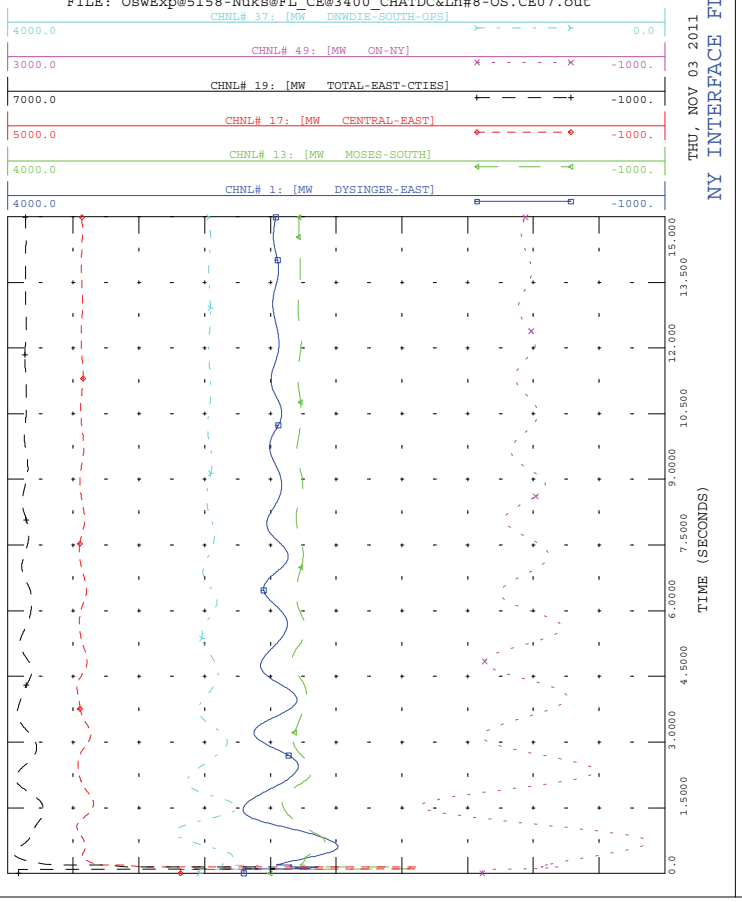
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE07.out



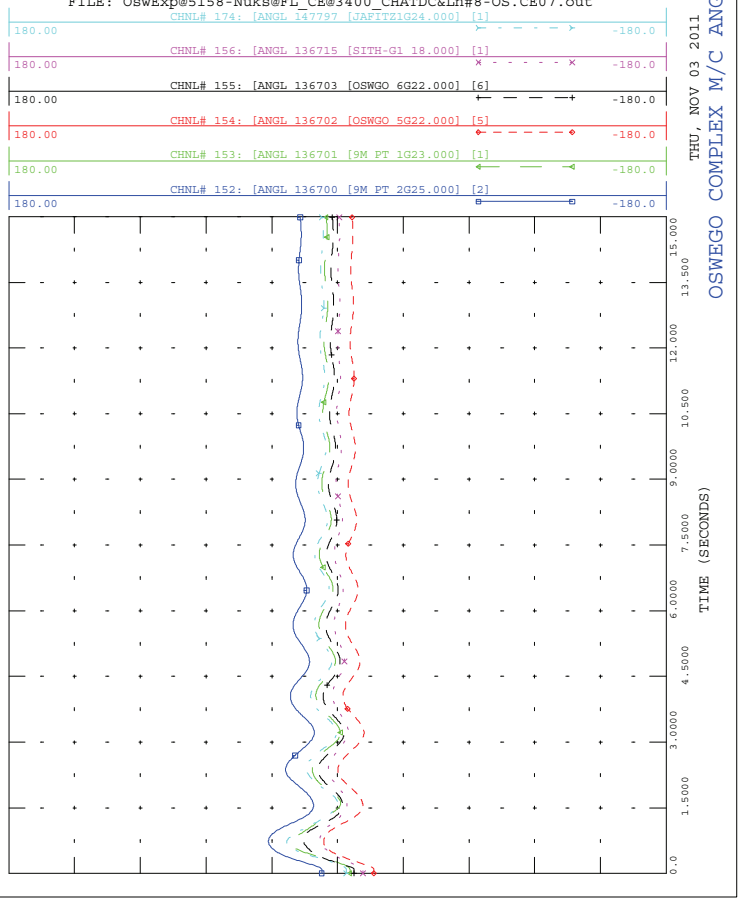
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

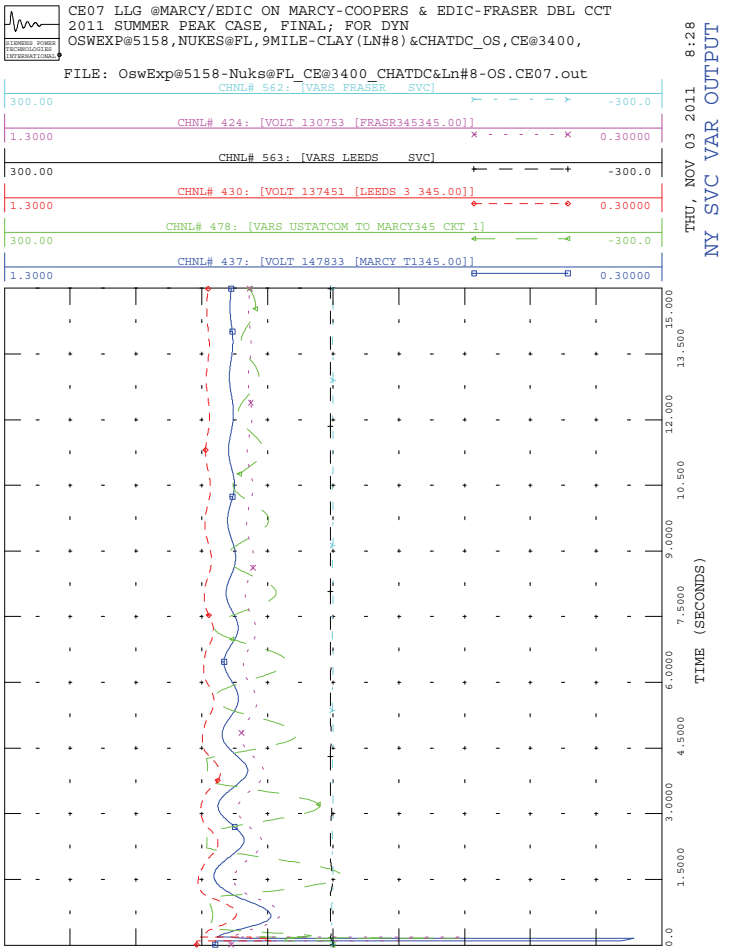
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE07.out



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE07.out




CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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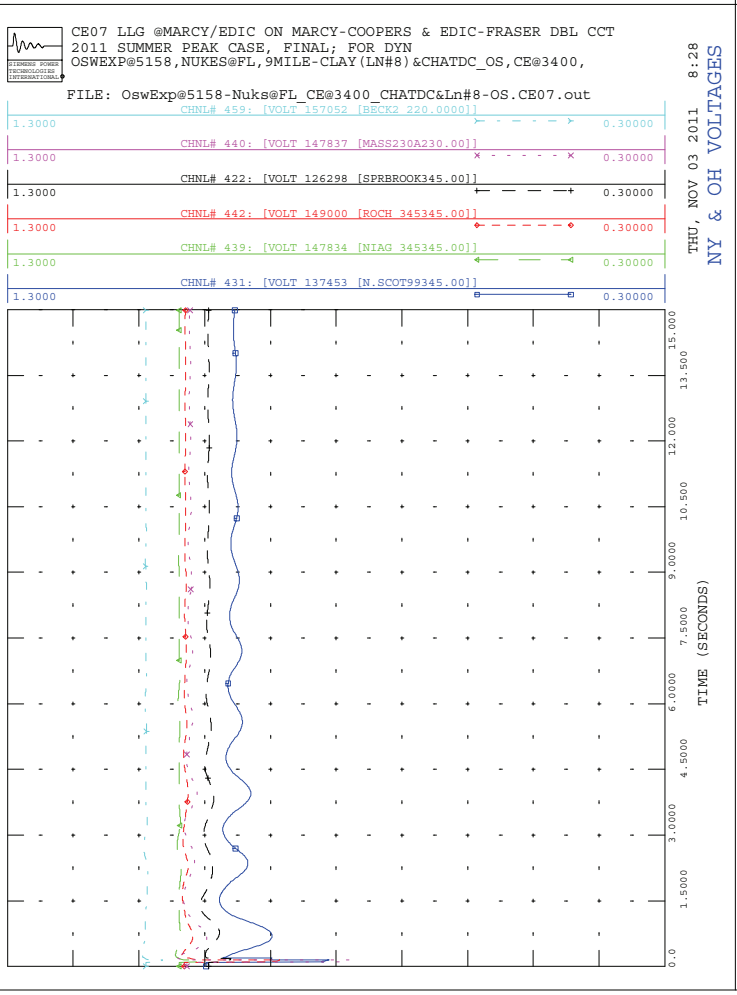
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
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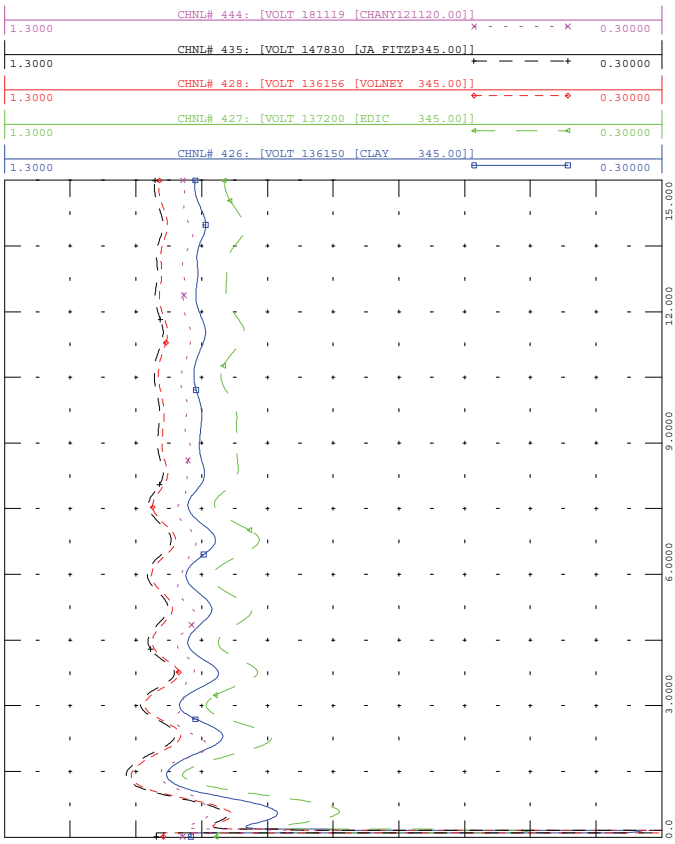
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY & OH VOLTAGES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE13.out

THU, NOV 03 2011 8:28

OSWEGO COMPLEX VOLTAGES



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

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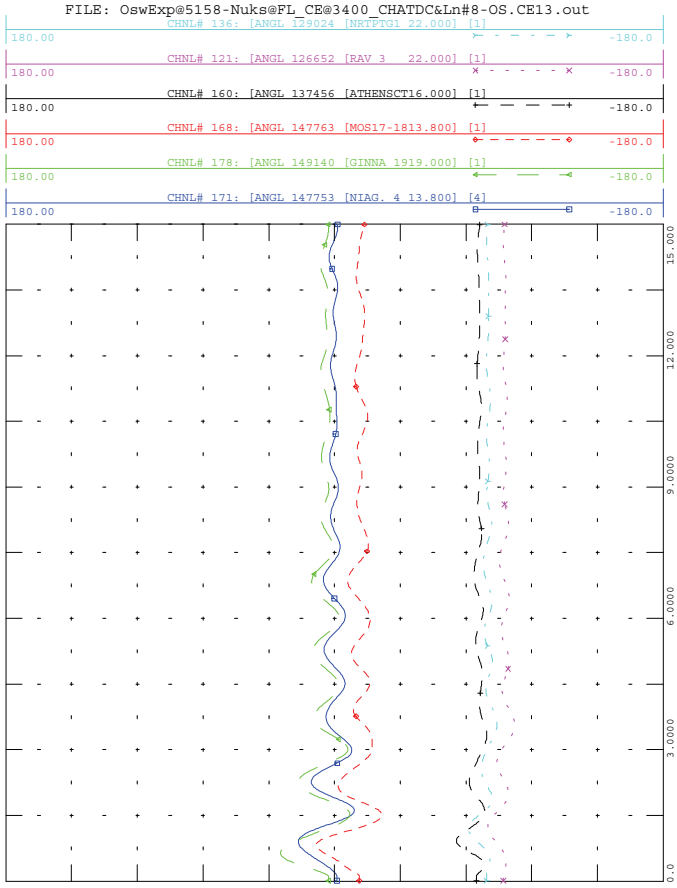
THU, NOV 03 2011 8:28

NY & ONTARIO M/C ANGLES



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

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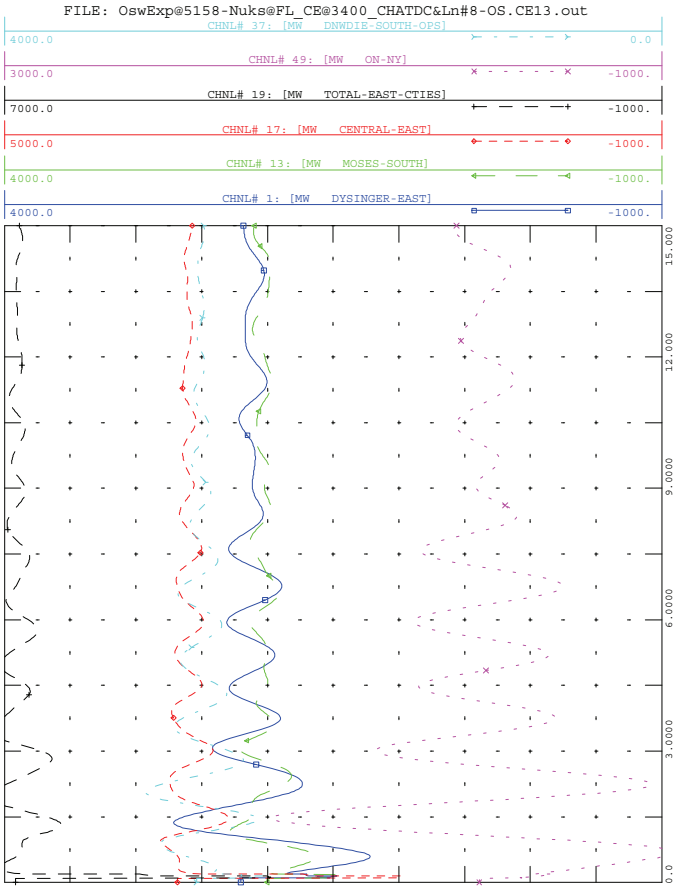
THU, NOV 03 2011 8:28

NY INTERFACE FLOWS



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE13.out

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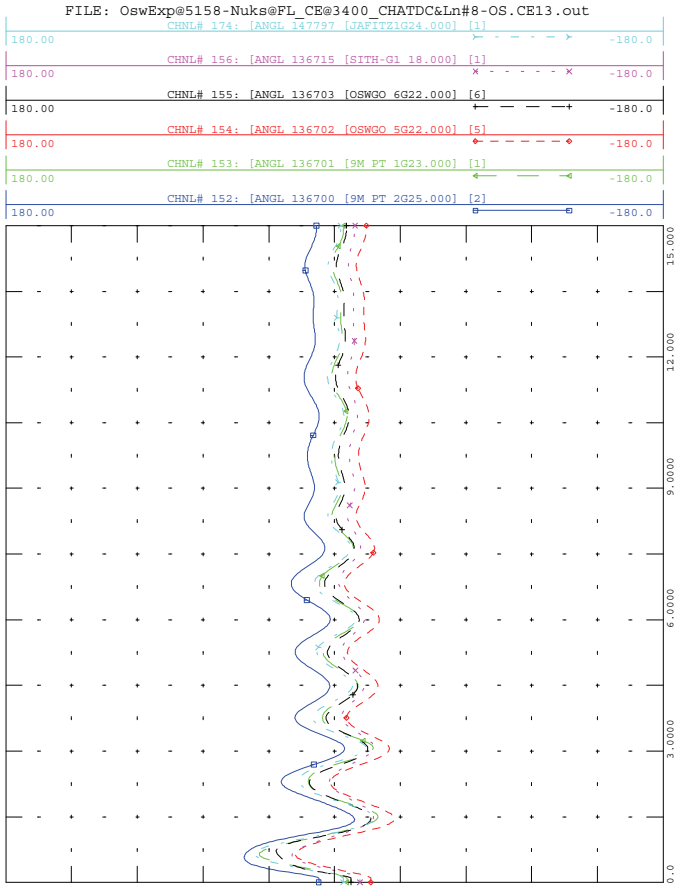
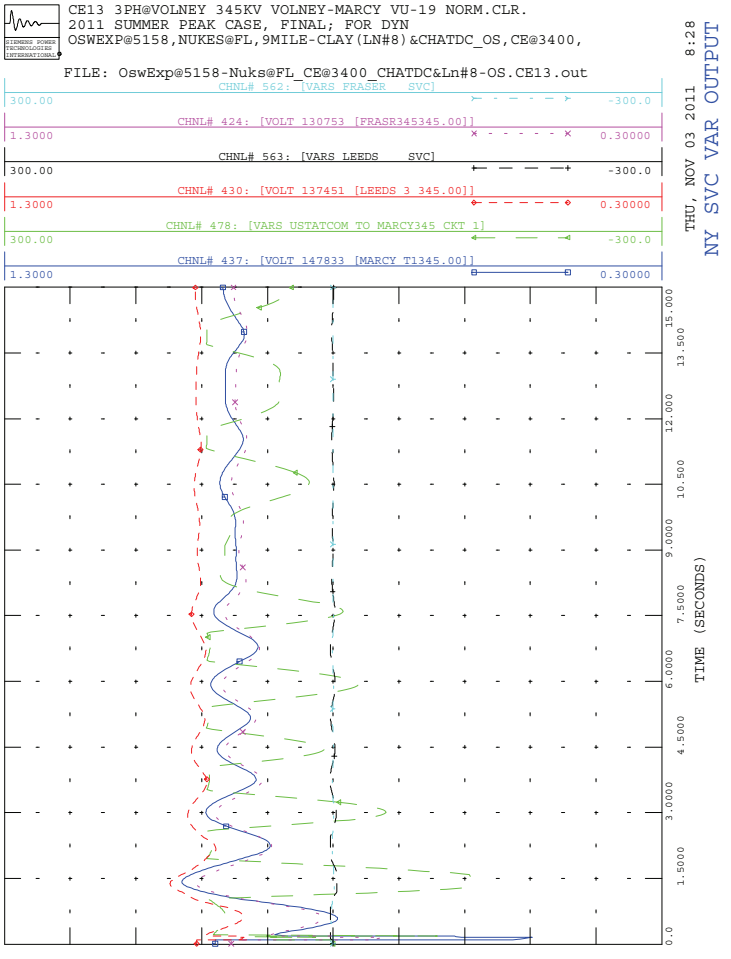
OSWEGO COMPLEX M/C ANGLES

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CHNL# 424: [VOLT 130753 [FRASR345345.00]]
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CHNL# 563: [VARS LEEDS SVC]
300.00
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CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
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CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
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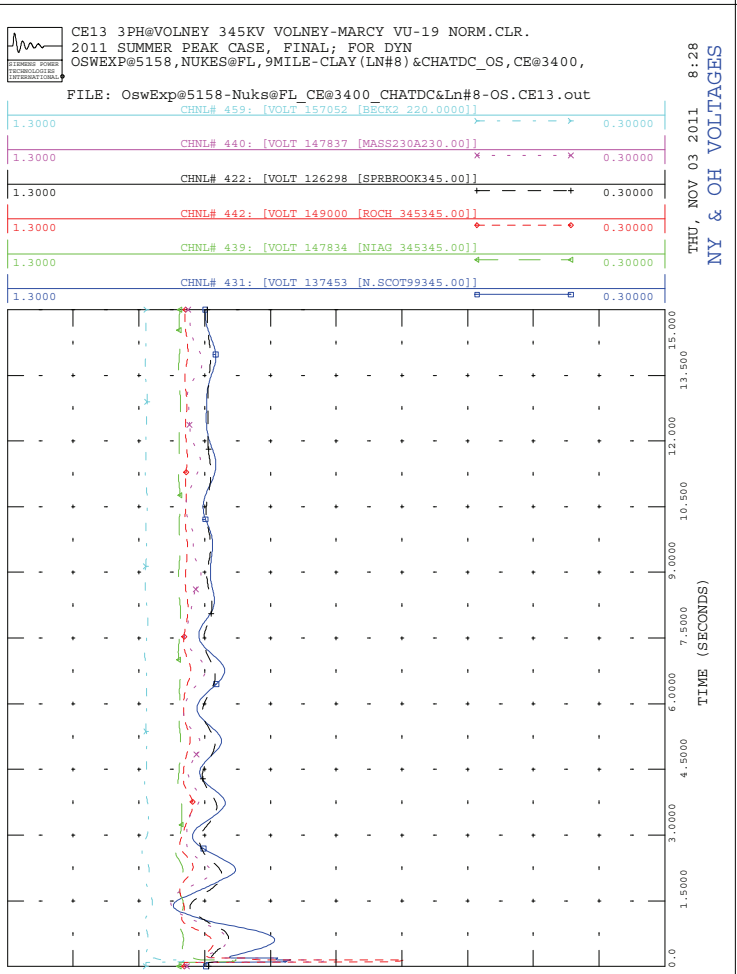
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
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CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
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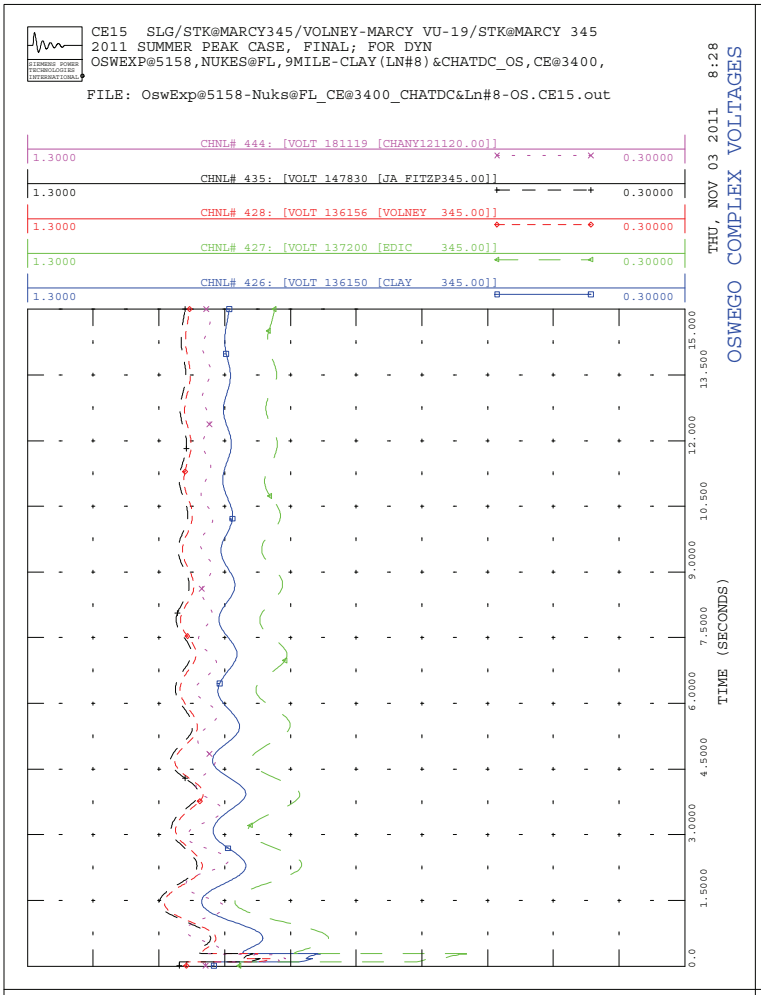
THU, NOV 03 2011 8:28
NY & OH VOLTAGES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CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
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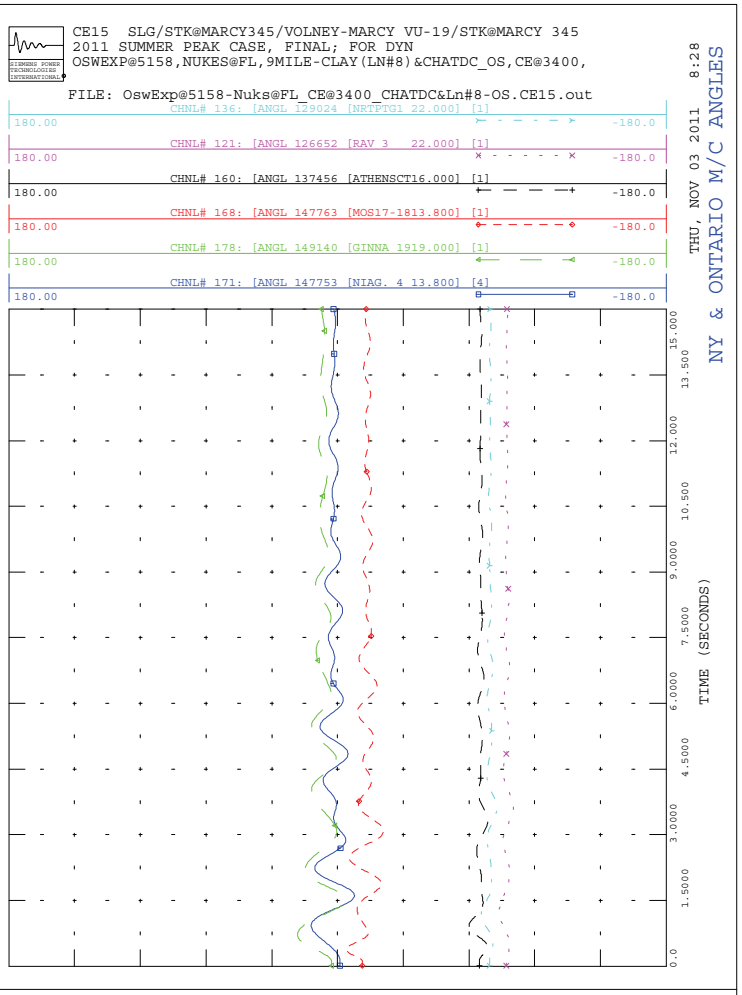
THU, NOV 03 2011 8:28
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE15.out
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CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
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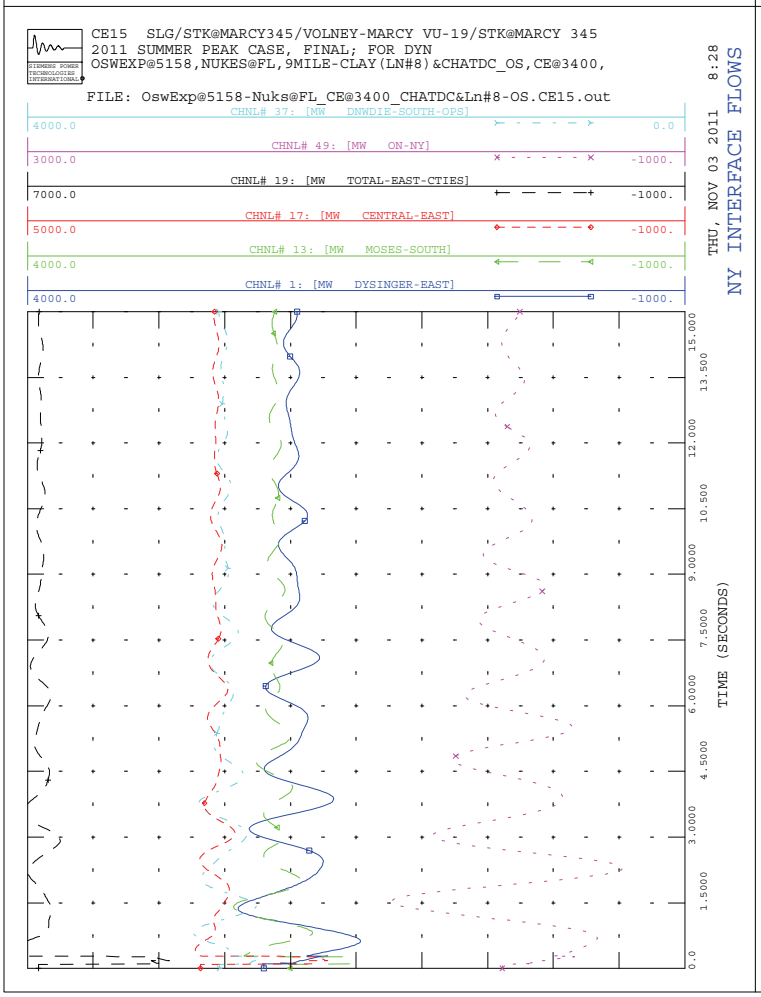
NY & ONTARIO M/C ANGLES
TIME (SECONDS)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CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
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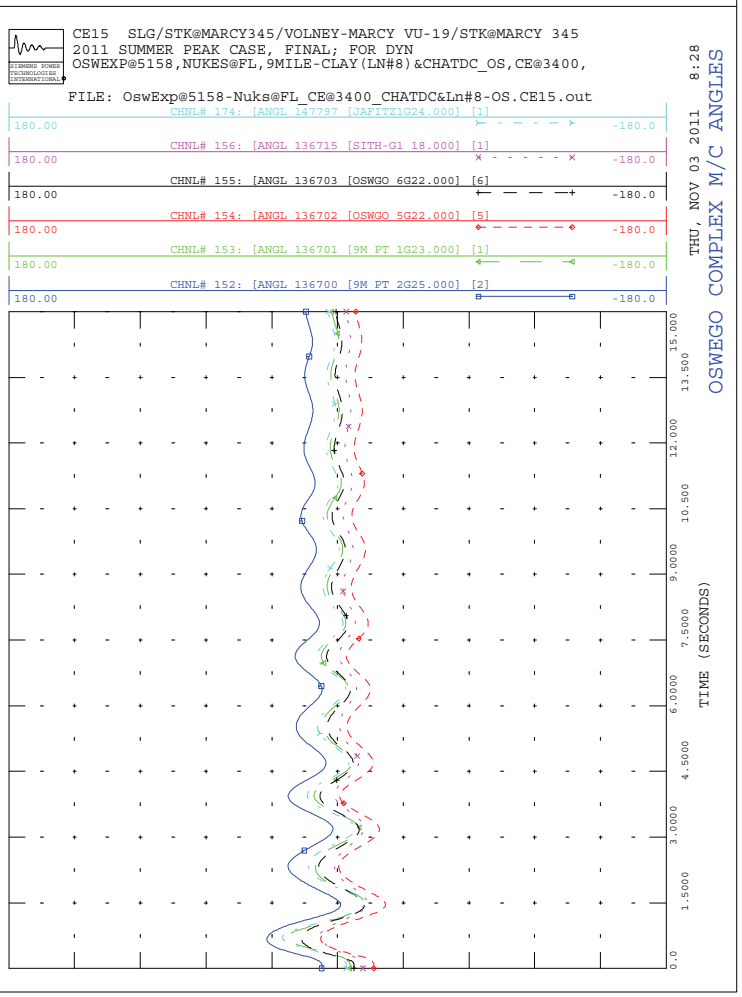
NY INTERFACE FLOWS
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
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CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
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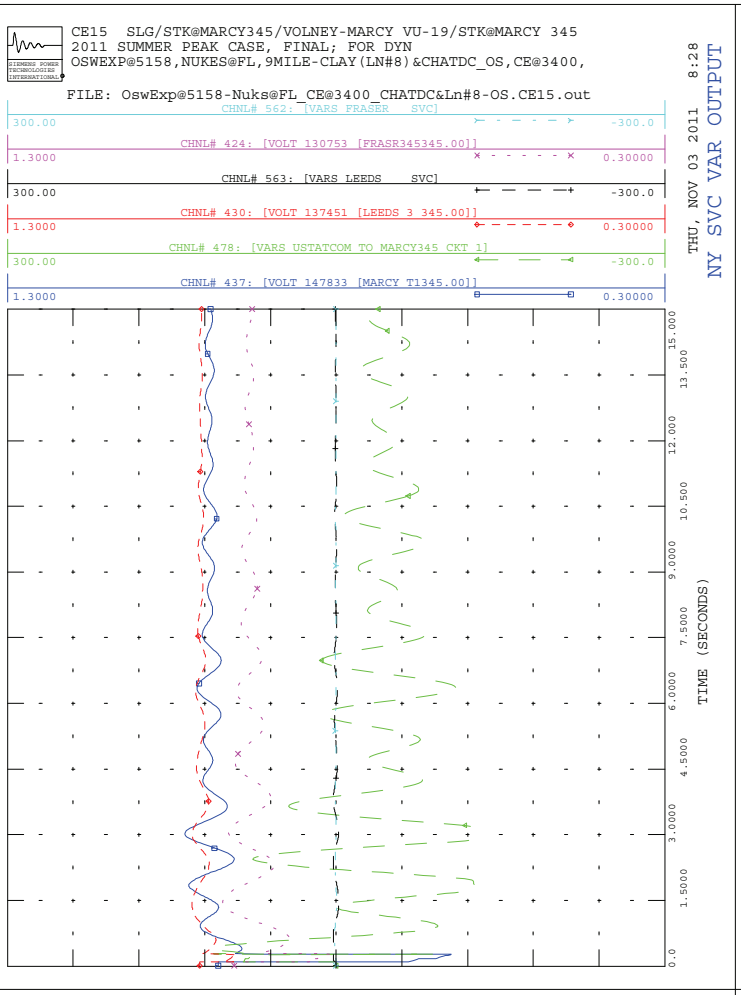
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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CHNL# 563: [VARS LEEDS SVC]
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CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
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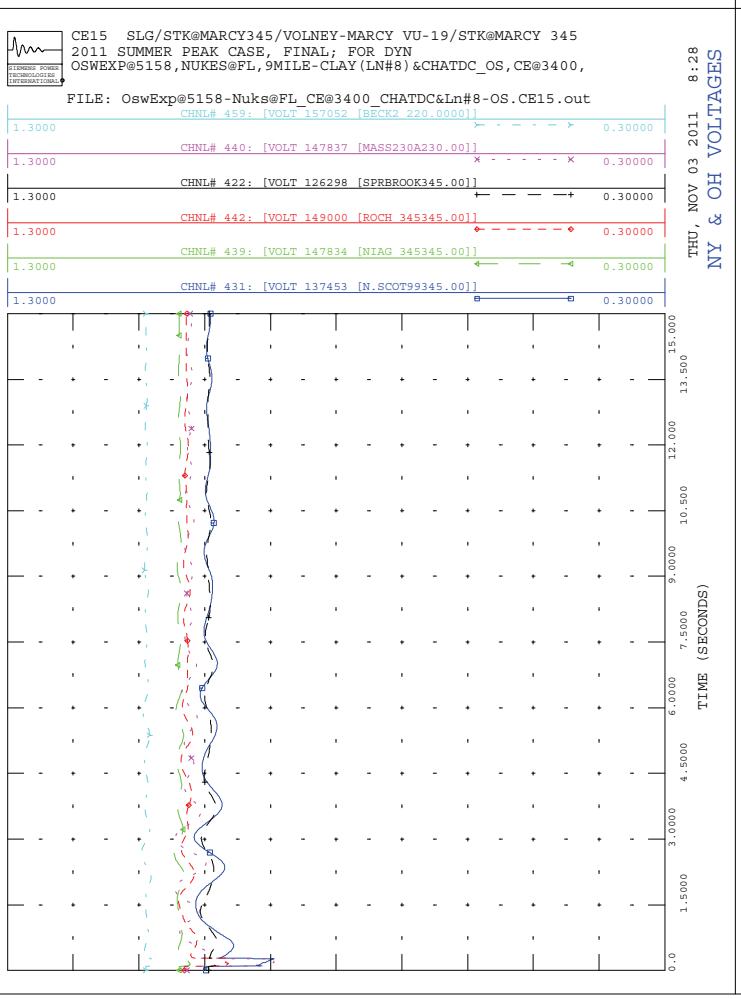
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT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2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
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TIME (SECONDS)
THU, NOV 03 2011 8:28
NY & OH VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

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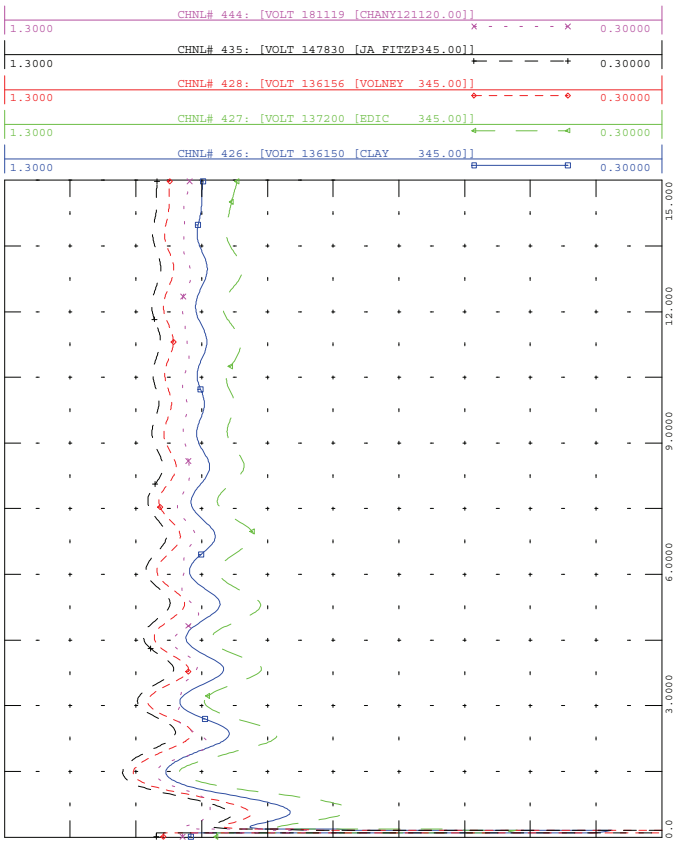
OSWEGO COMPLEX VOLTAGES



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

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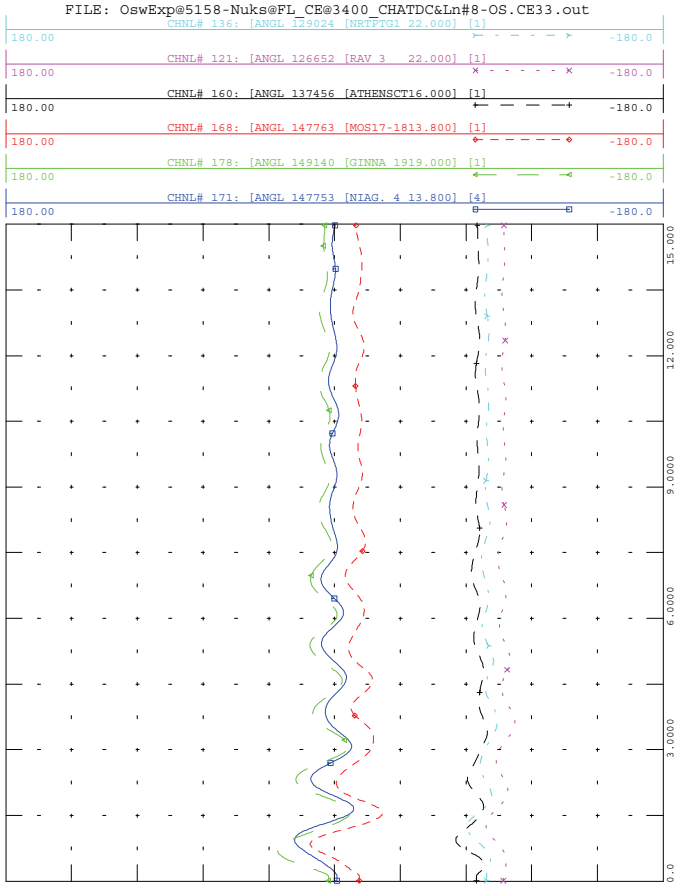
THU, NOV 03 2011 8:28

NY & ONTARIO M/C ANGLES



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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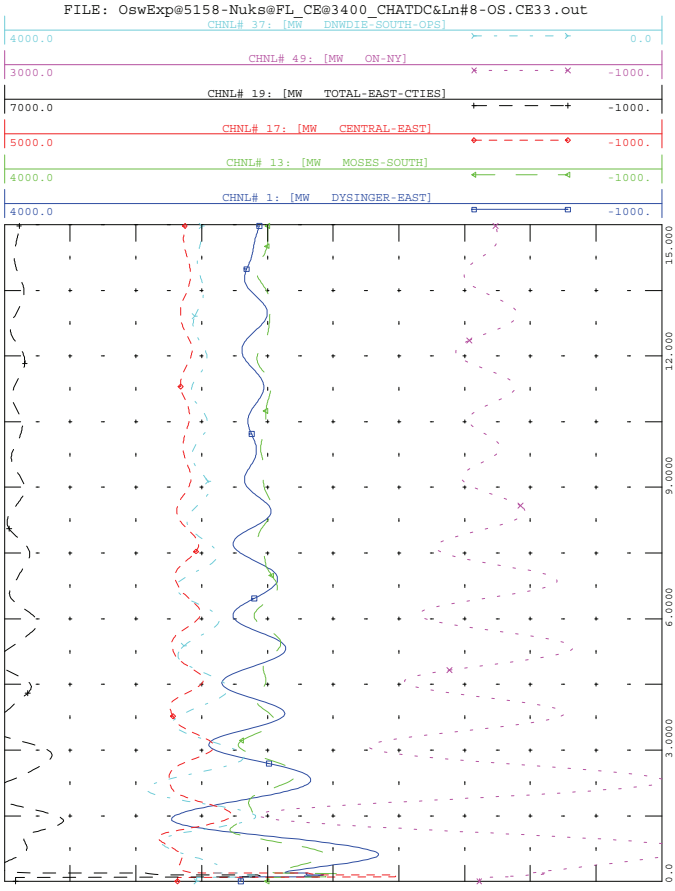
THU, NOV 03 2011 8:28

NY INTERFACE FLOWS



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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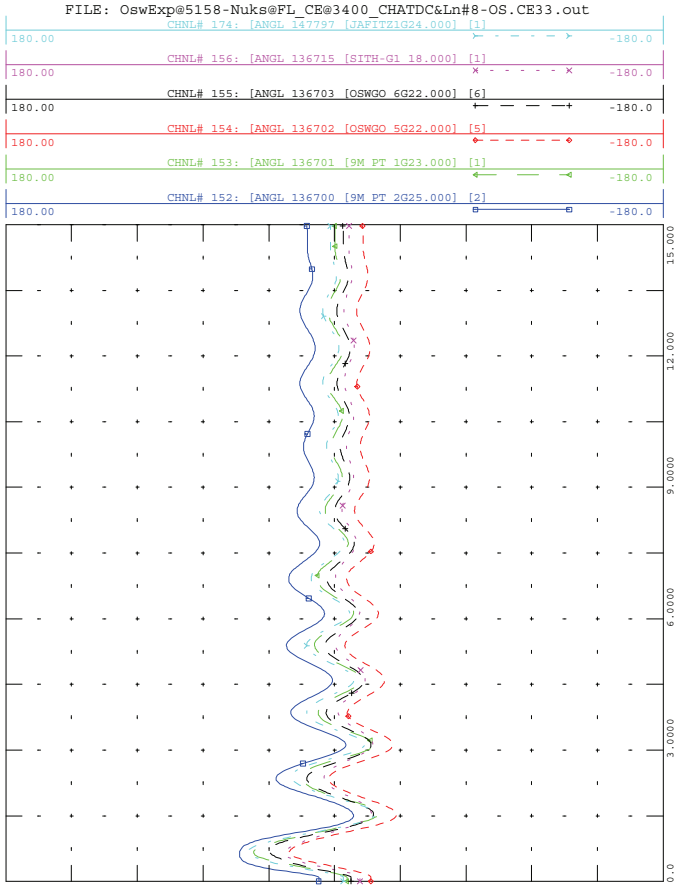
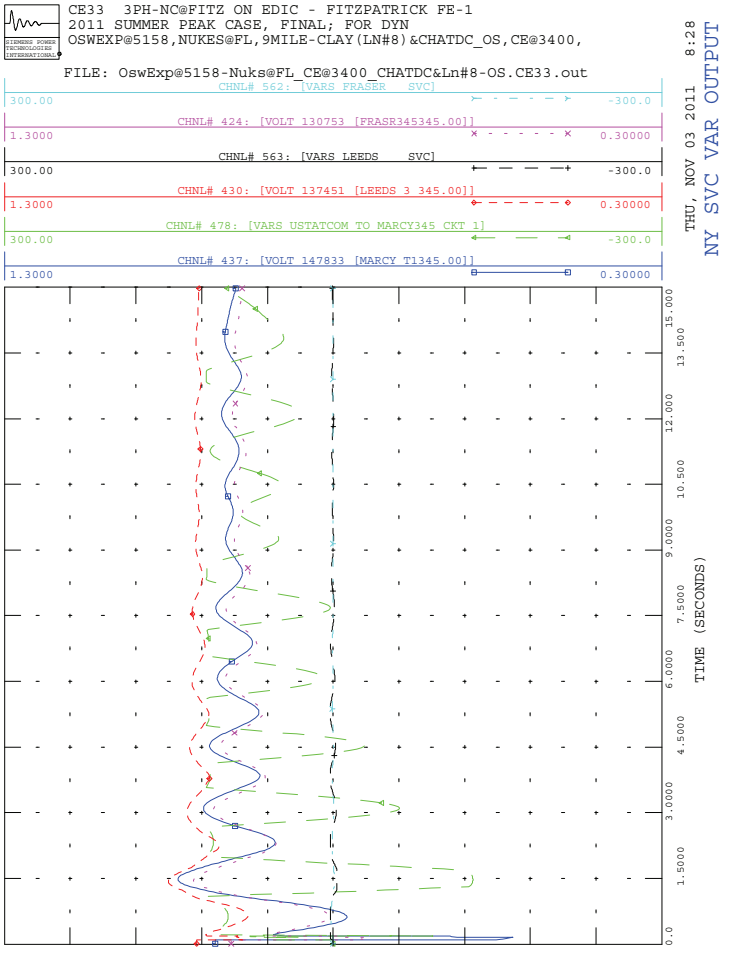
OSWEGO COMPLEX M/C ANGLES




CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
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CHNL# 424: [VOLT 130753 [FRASR345345.00]]
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CHNL# 563: [VARS LEEDS SVC]
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CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
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CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
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CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
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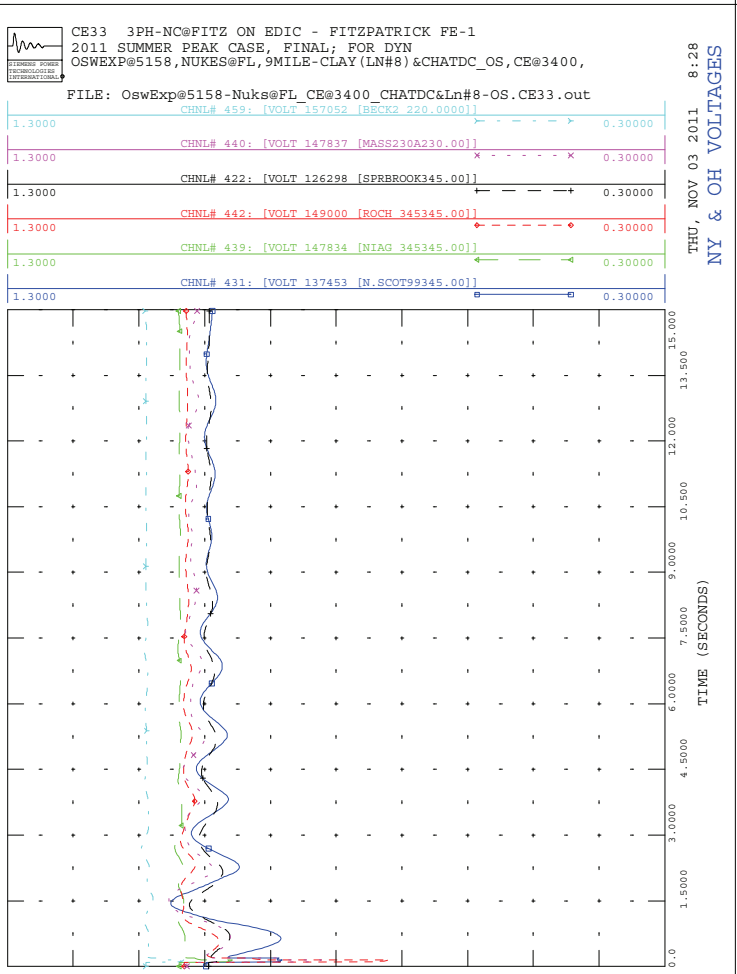
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
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CHNL# 440: [VOLT 147837 [MASS230A230.00]]
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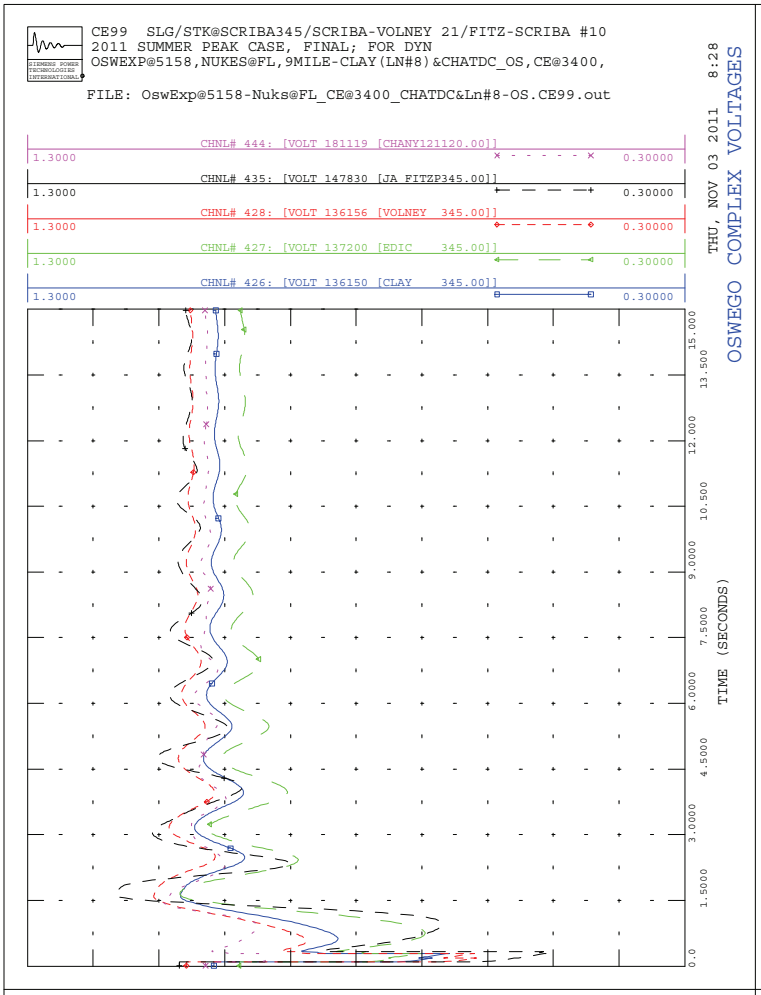
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY & OH VOLTAGES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE99.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
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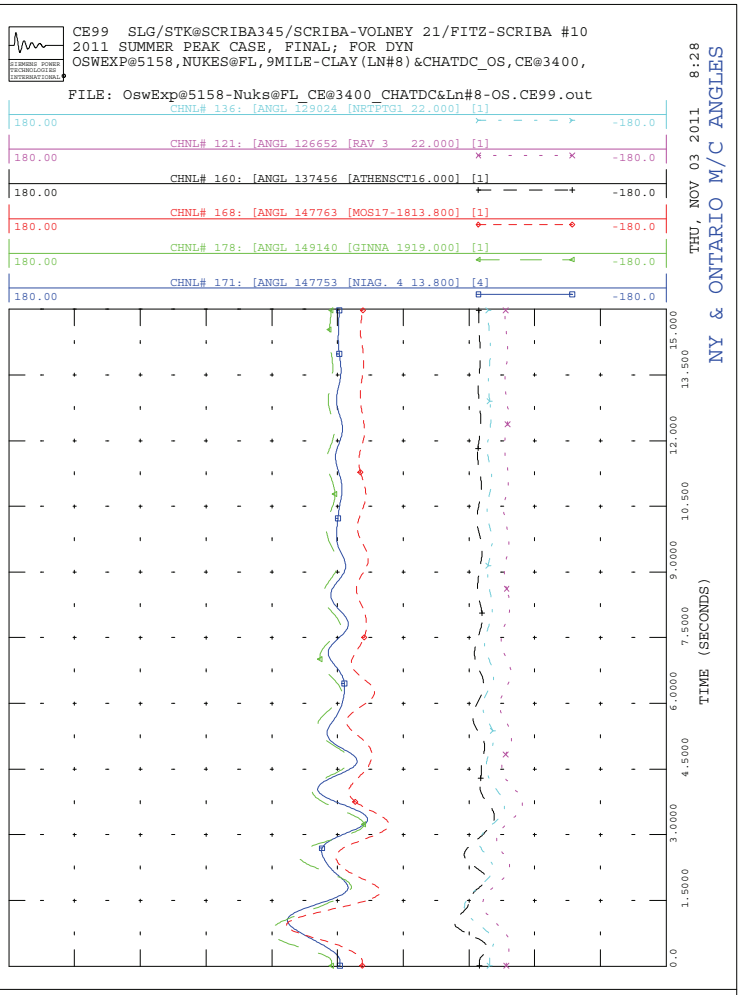
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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CHNL# 136: [ANGL 129024 [NRTFTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
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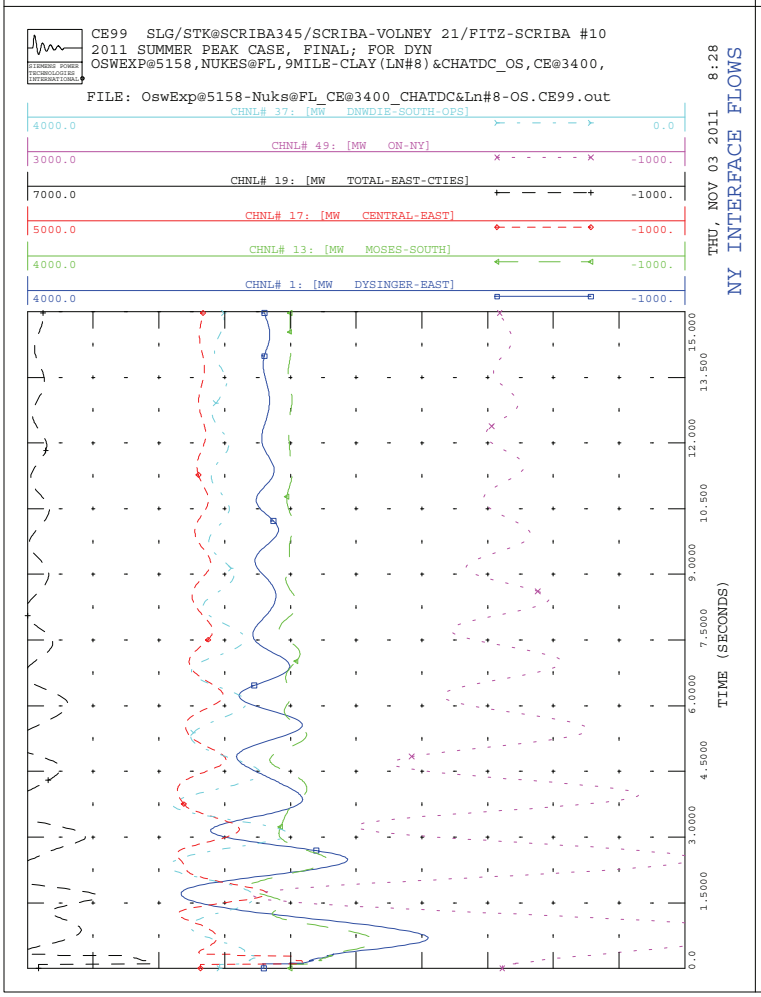
THU, NOV 03 2011 8:28
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
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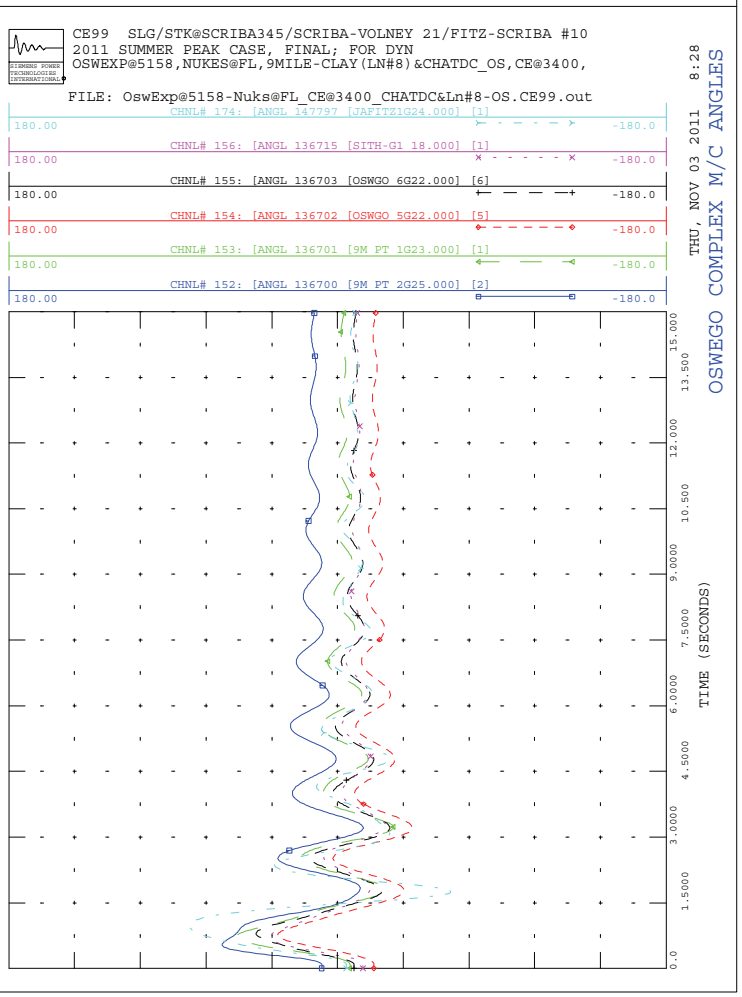
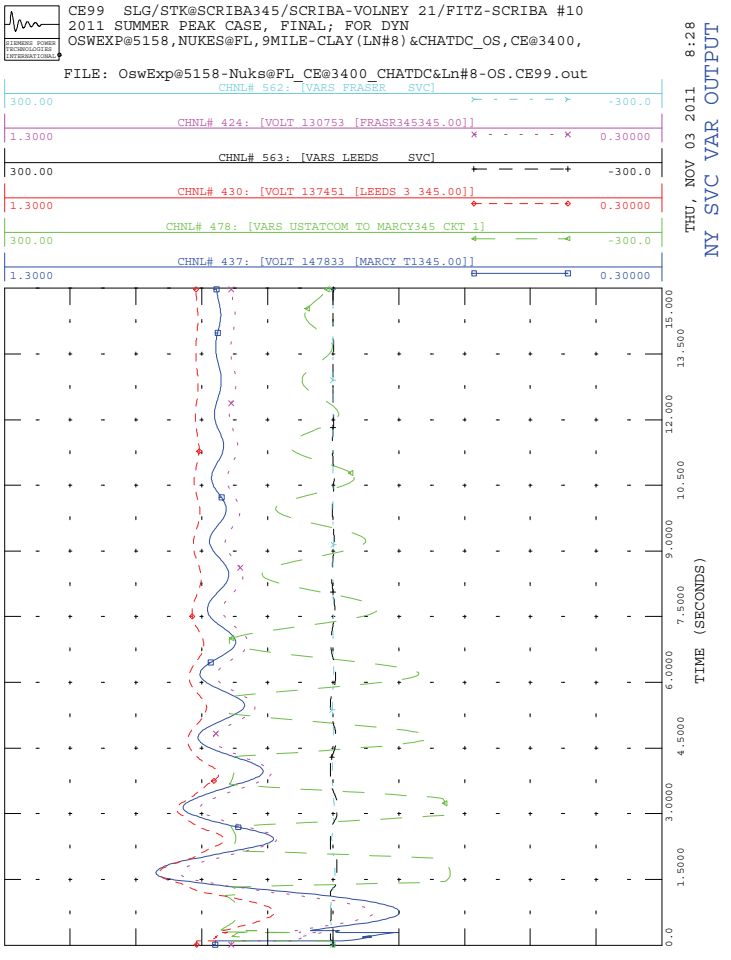
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
THU, NOV 03 2011 8:28
NY INTERFACE FLOWS
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
THU, NOV 03 2011 8:28
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
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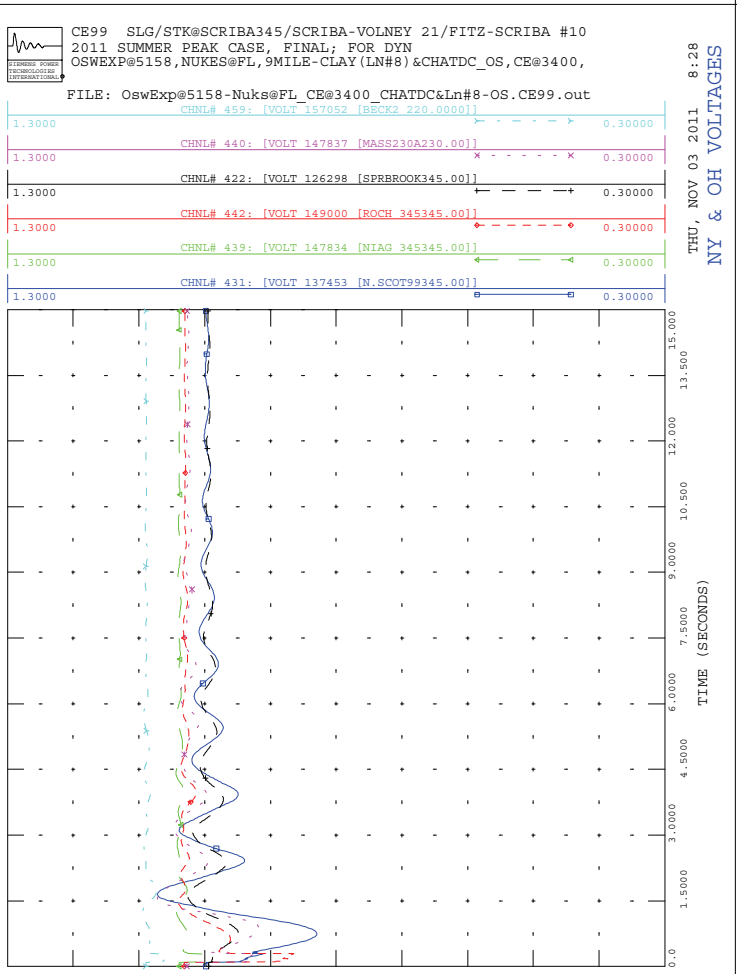
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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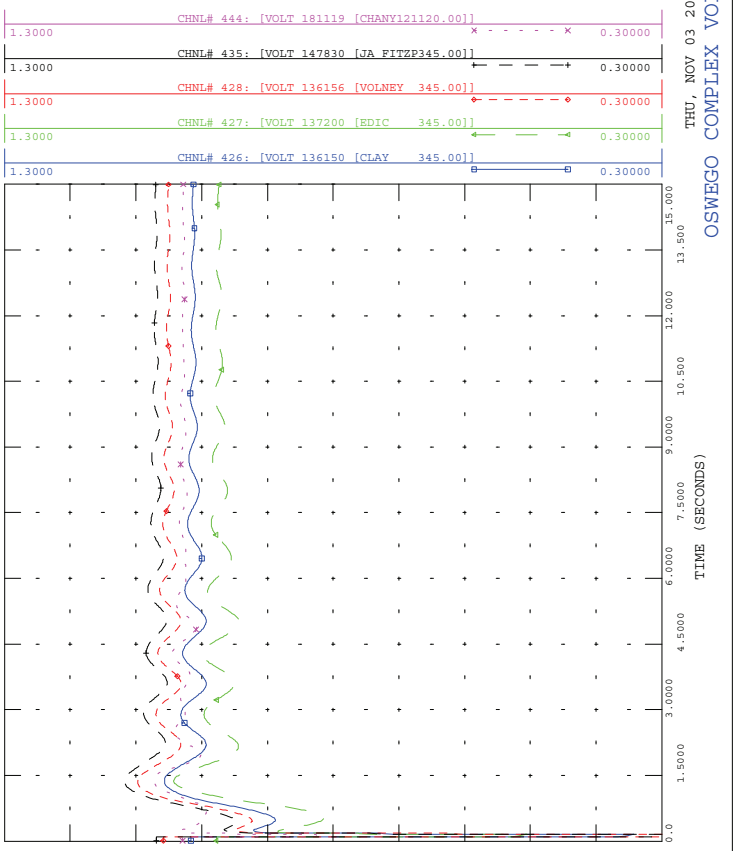
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY & OH VOLTAGES

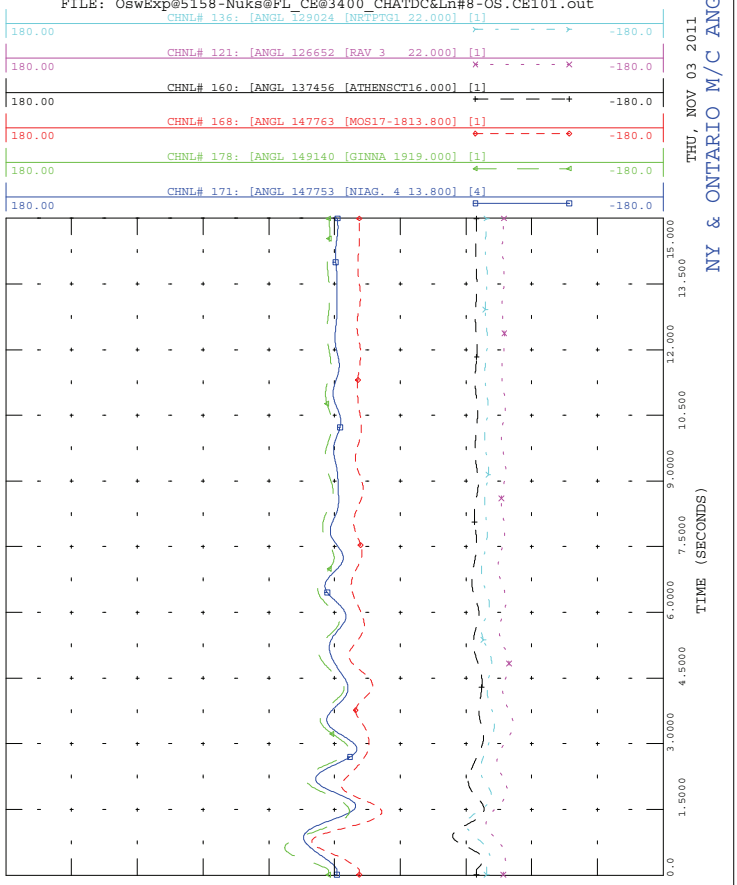
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE101.out



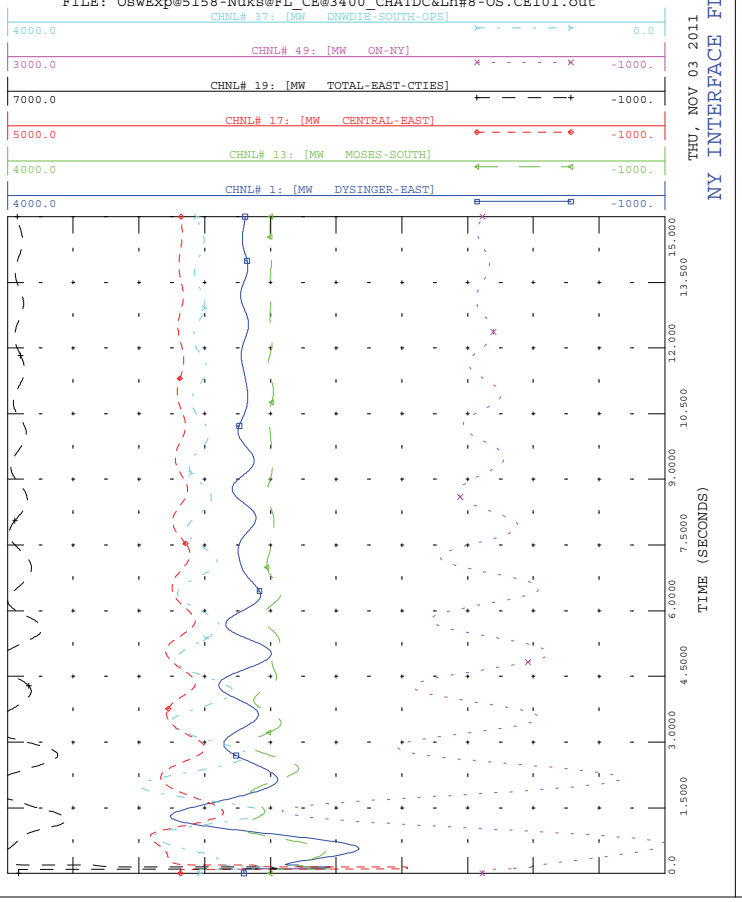
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE101.out



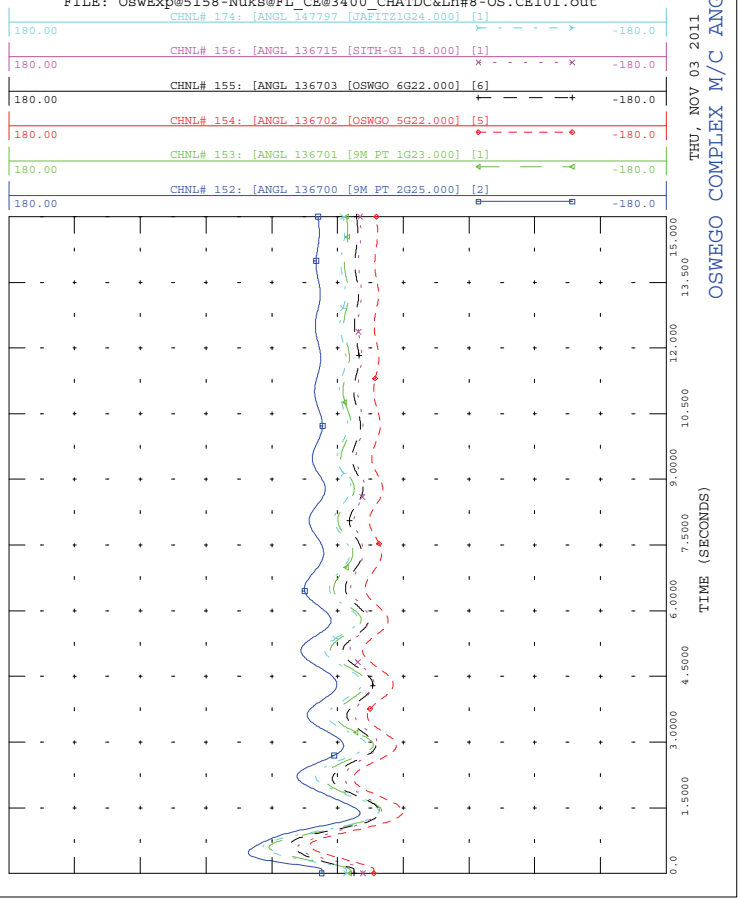
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

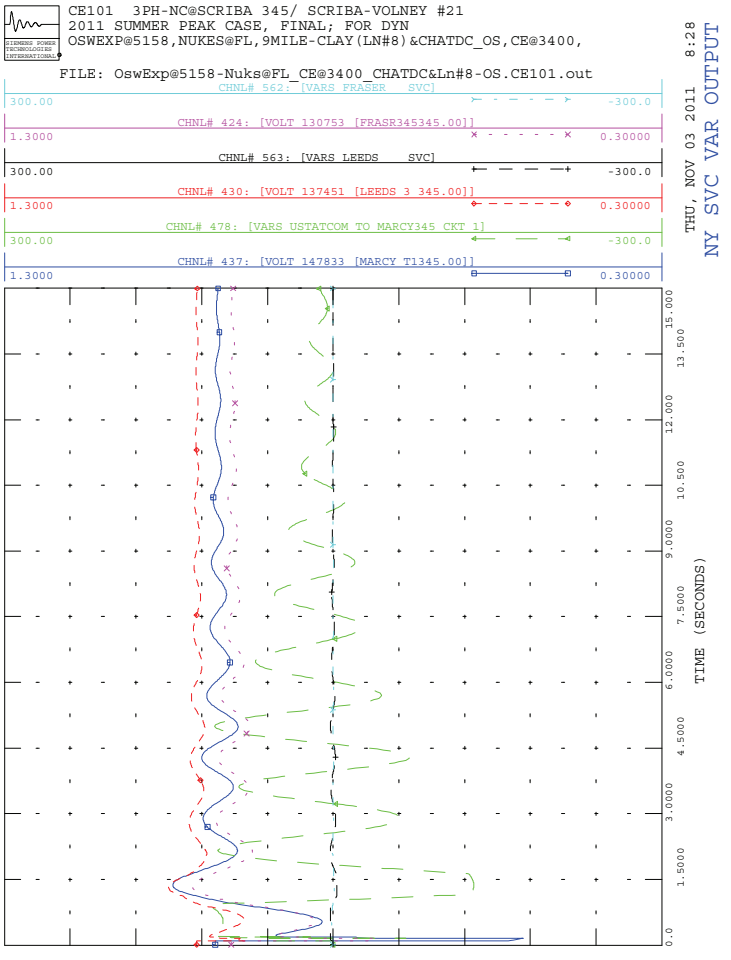
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE101.out




CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE101.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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7.5000
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10.500
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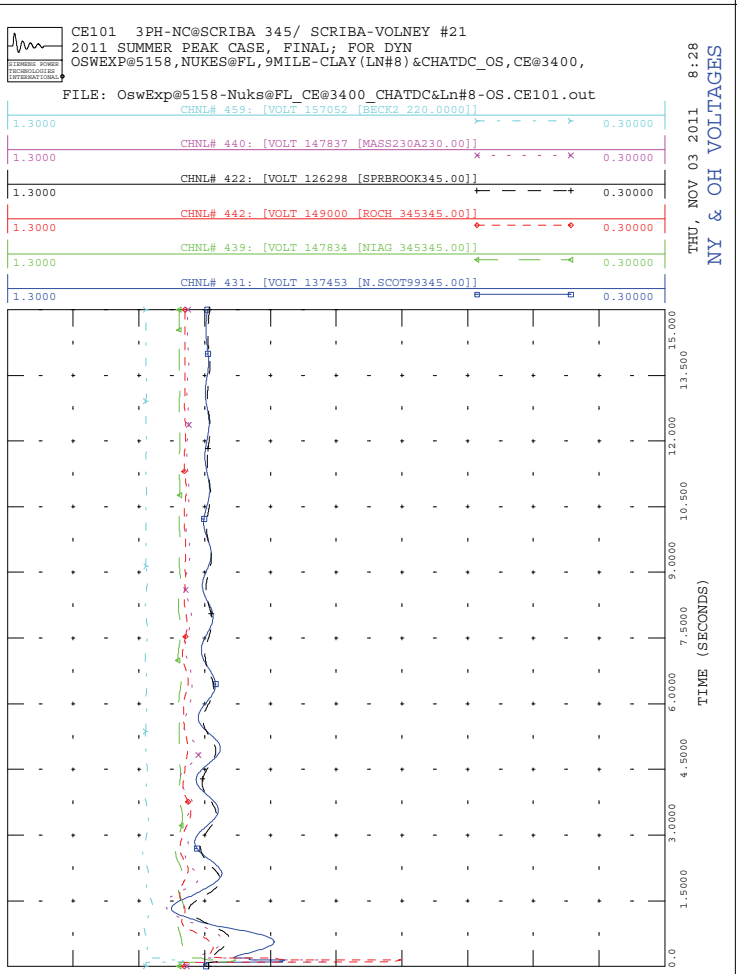
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY SVC VAR OUTPUT


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,
FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.CE101.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
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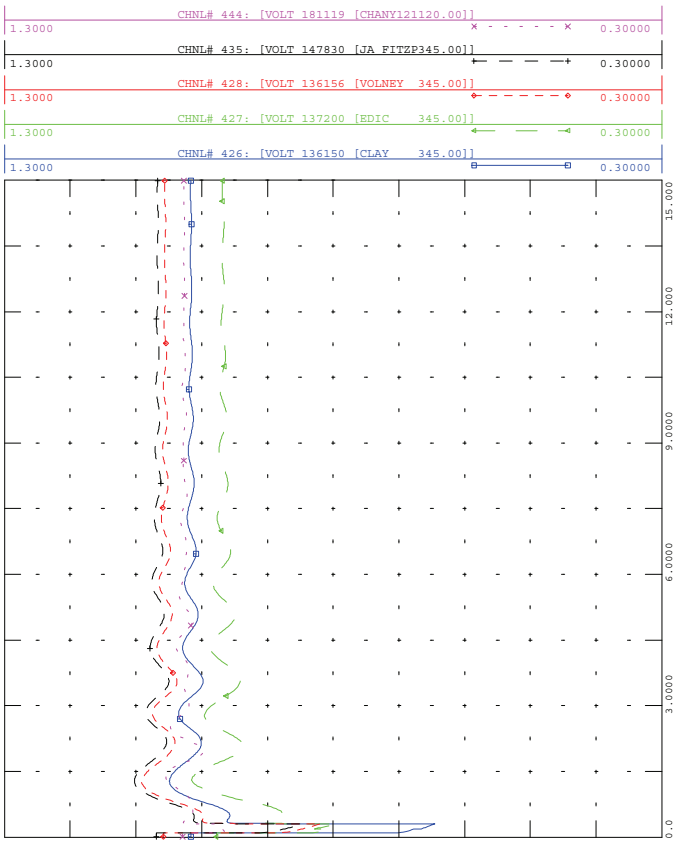
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 03 2011 8:28
NY & OH VOLTAGES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.VE01.out

THU, NOV 03 2011 8:28

OSWEGO COMPLEX VOLTAGES

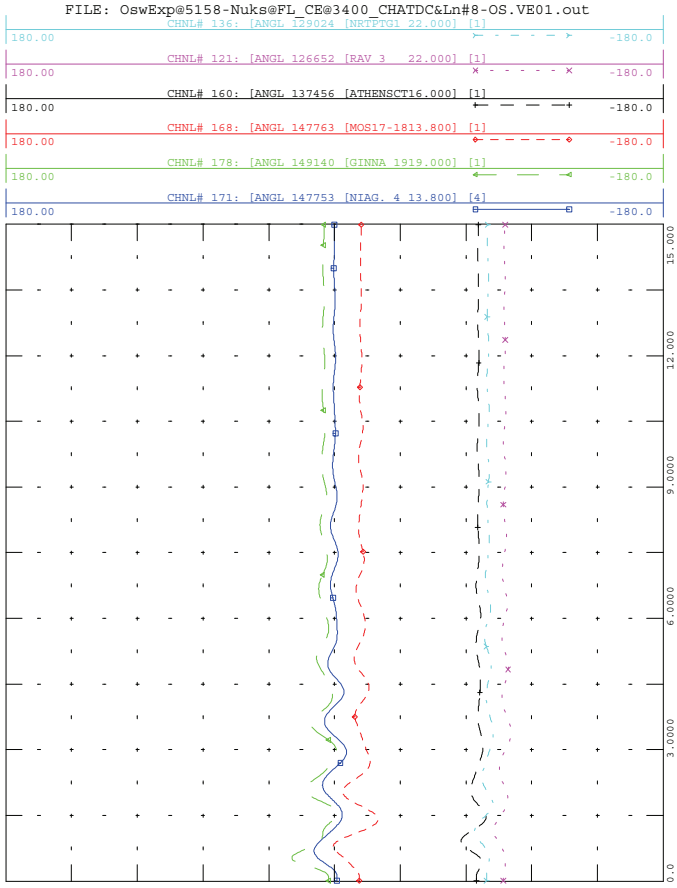


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.VE01.out

THU, NOV 03 2011 8:28

NY & ONTARIO M/C ANGLES



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

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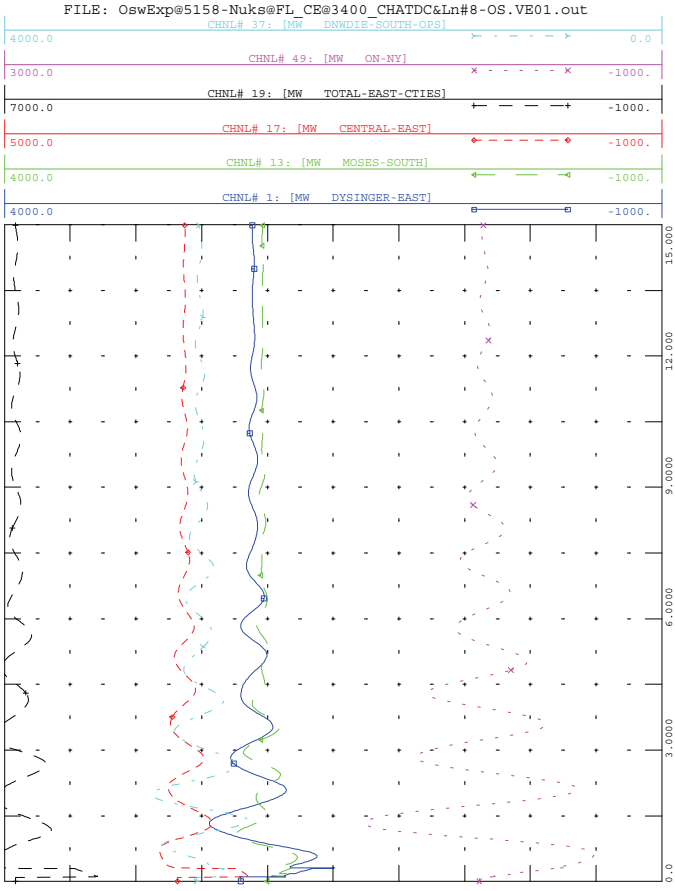
THU, NOV 03 2011 8:28

NY INTERFACE FLOWS

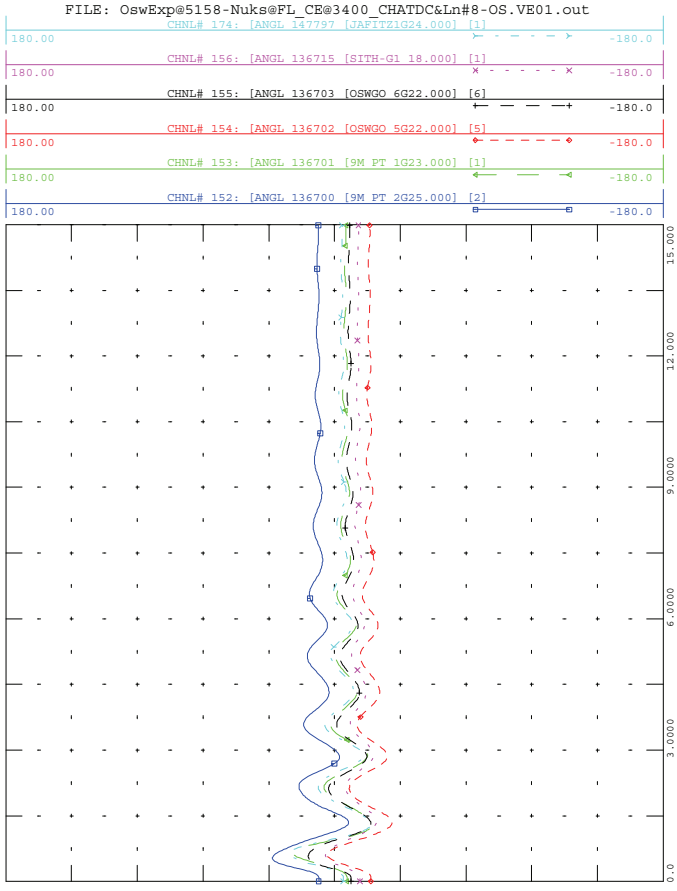


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.VE01.out

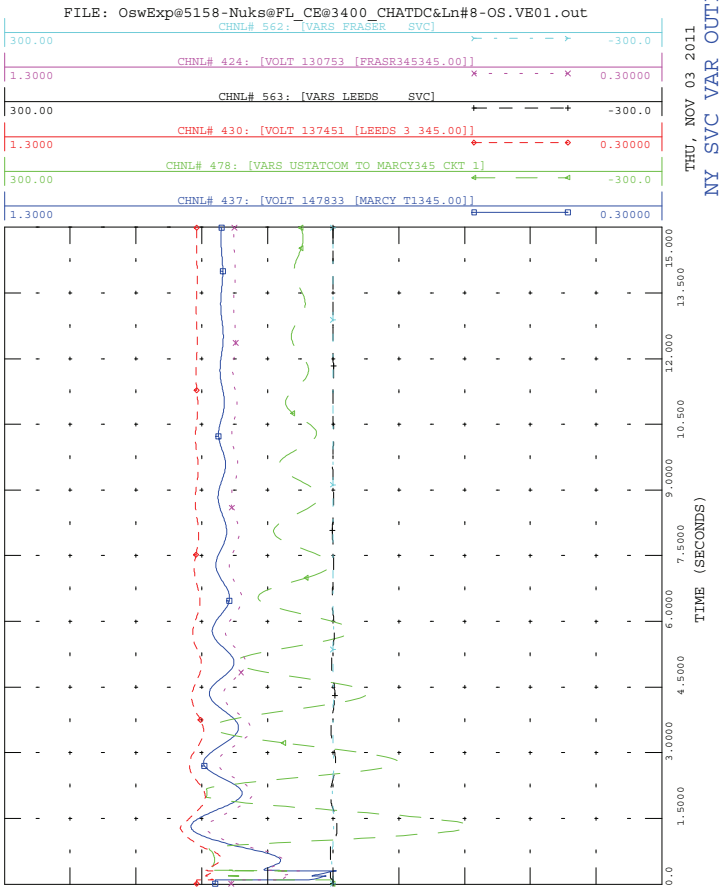
THU, NOV 03 2011 8:28

OSWEGO COMPLEX M/C ANGLES



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.VE01.out

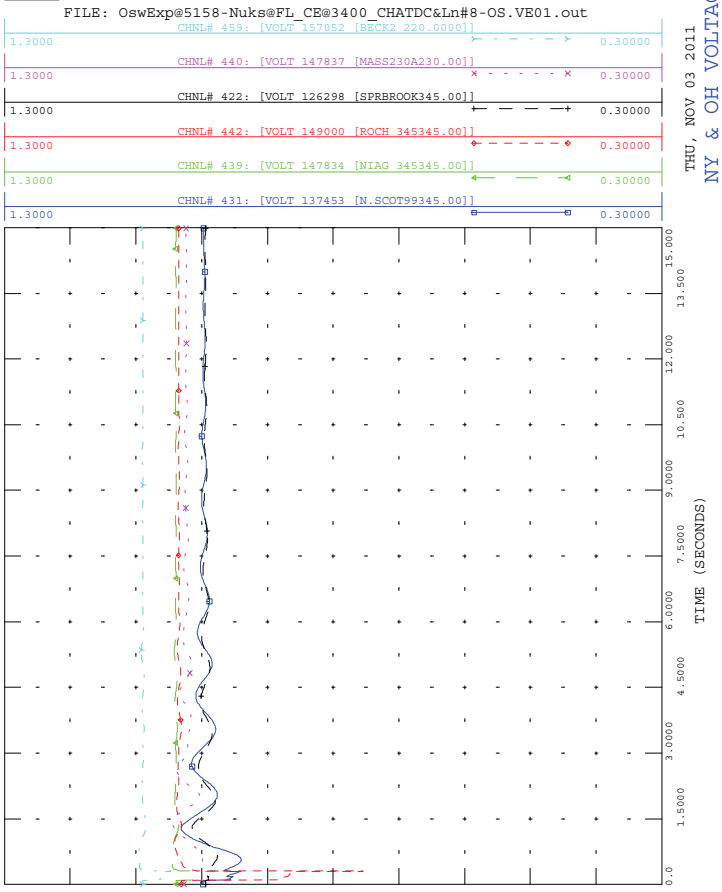


THU, NOV 03 2011 8:28

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5158,NUKES@FL,9MILE-CLAY(LN#8)&CHATDC_OS,CE@3400,

FILE: OswExp@5158-Nuks@FL_CE@3400_CHATDC&Ln#8-OS.VE01.out



THU, NOV 03 2011 8:28

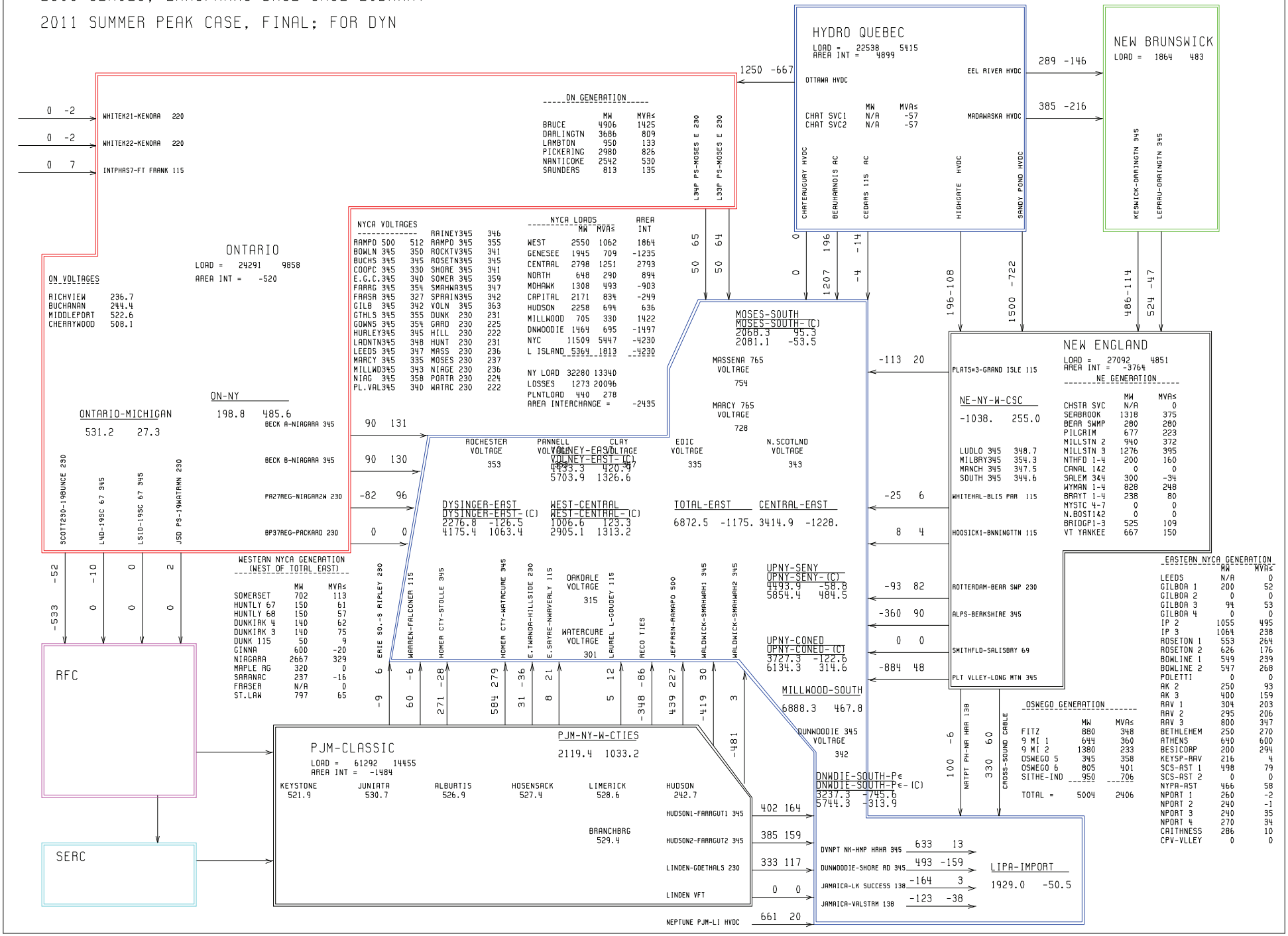
NY & OH VOLTAGES

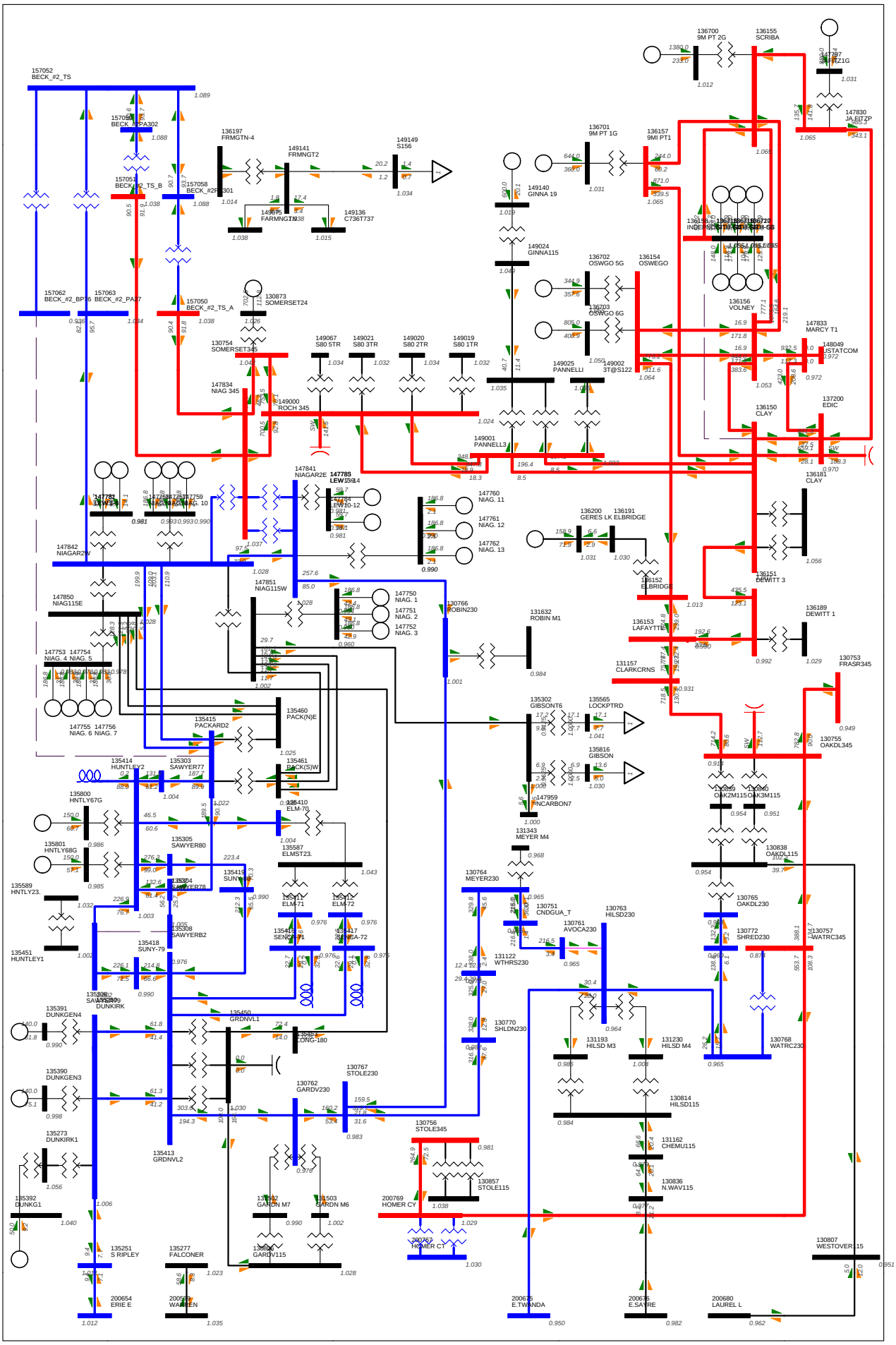
APPENDIX C: Oswego Export Limit (Clay – Independ. (#26)_Outage)

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
FRI, NOV 04 2011 9:06

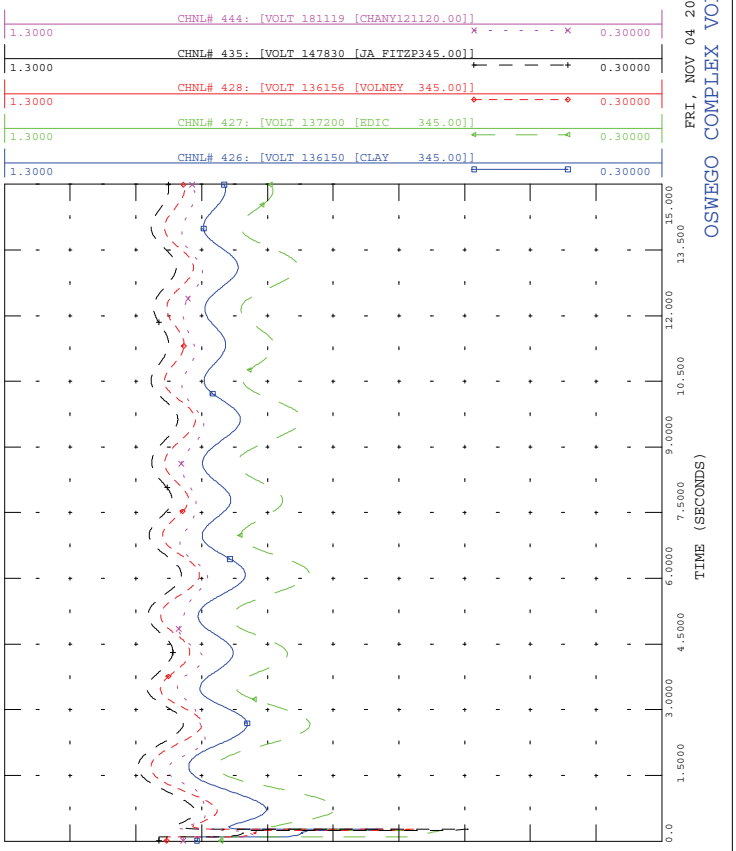
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

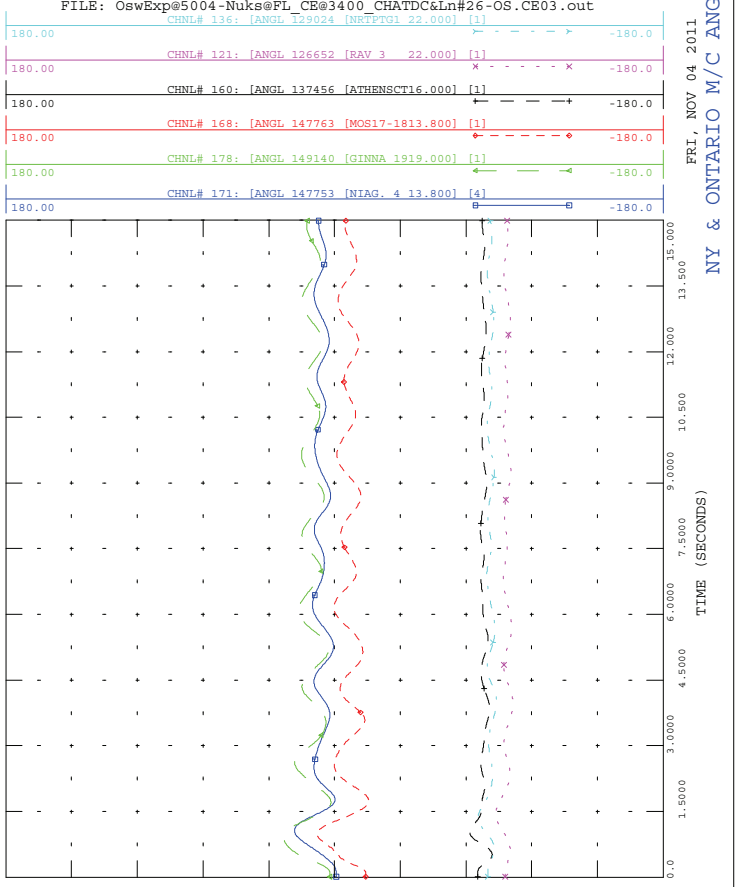
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE03.out



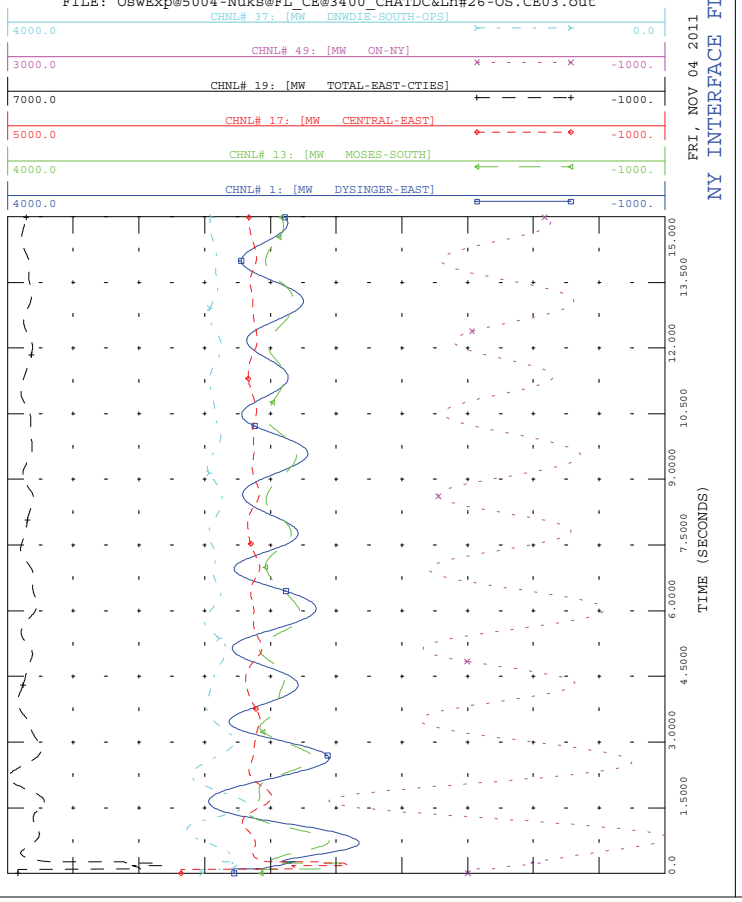
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE03.out



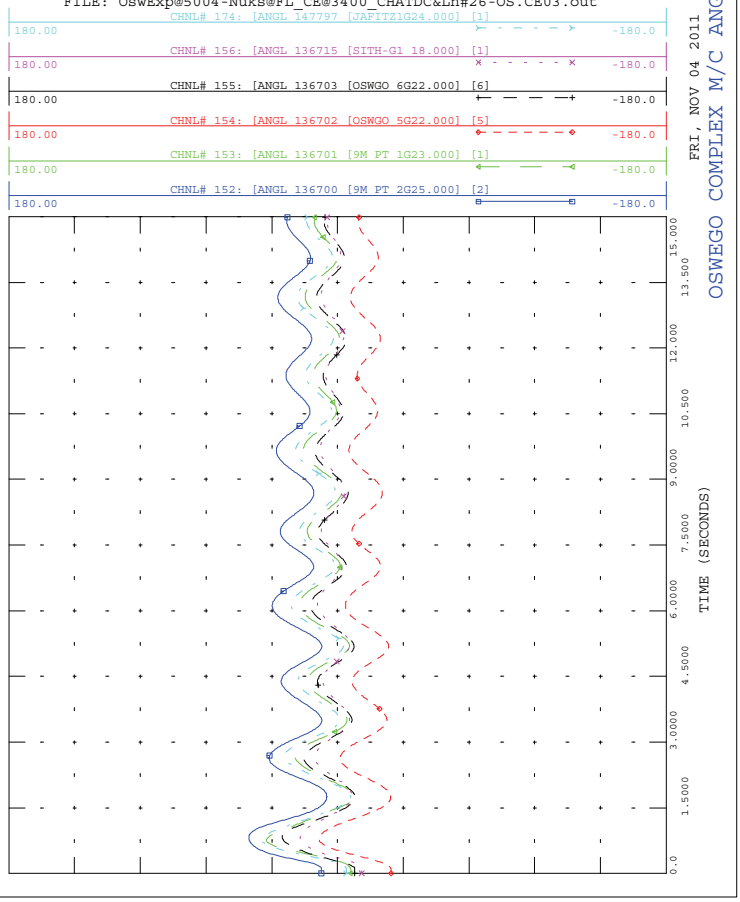
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

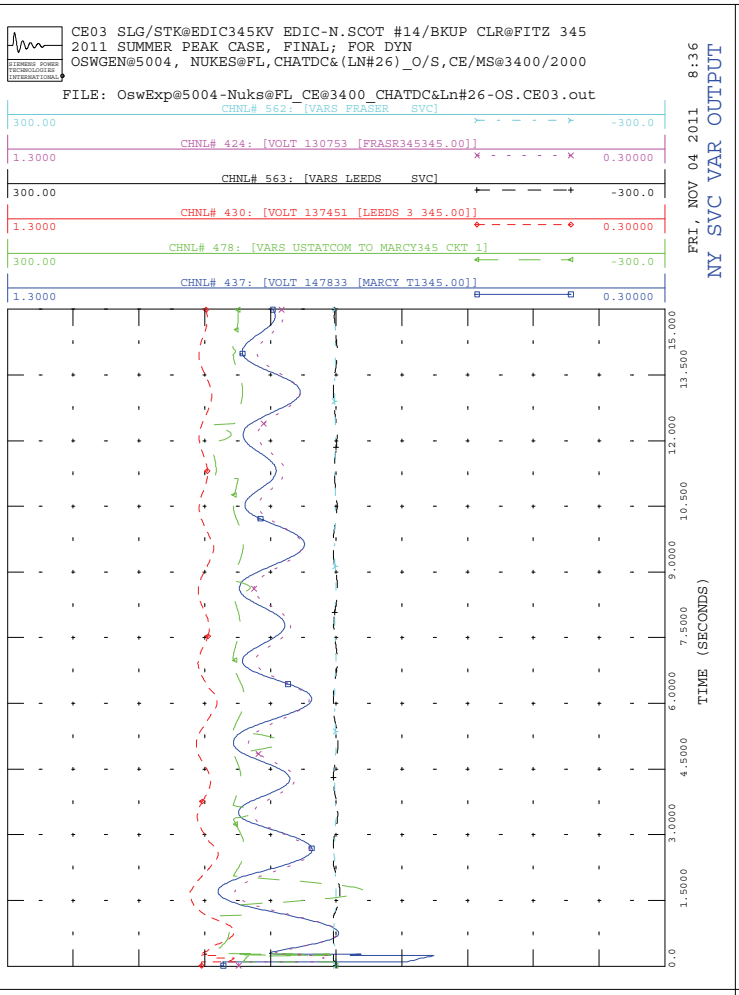
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE03.out



CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE03.out




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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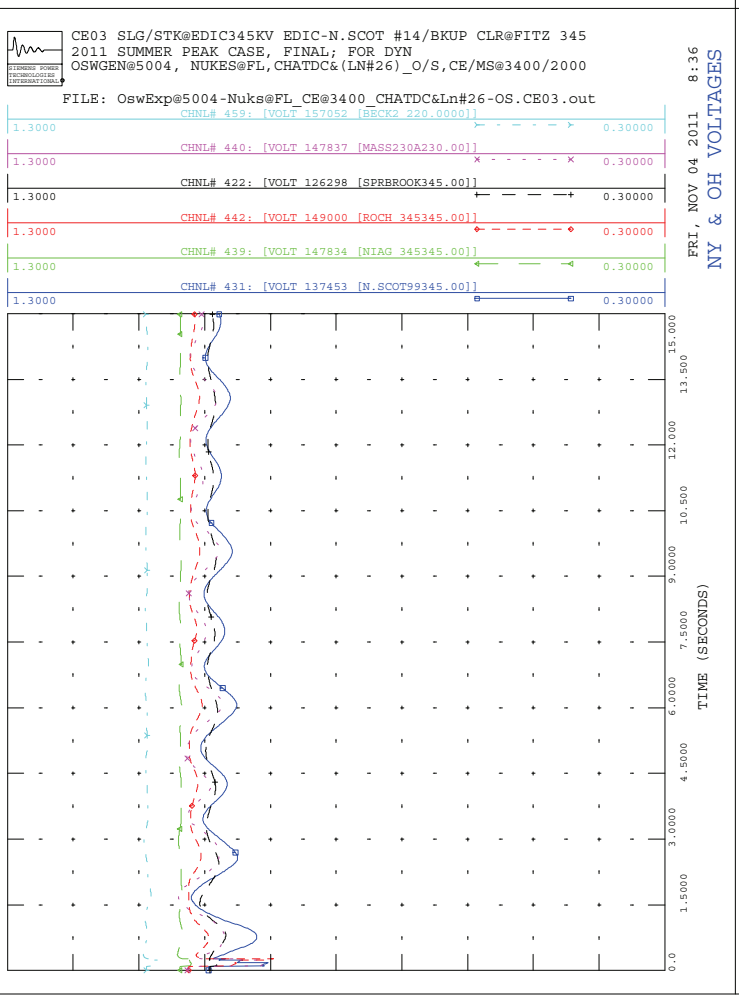
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 04 2011 8:36
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE03.out
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0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
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0.0
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3.0000
4.5000
6.0000
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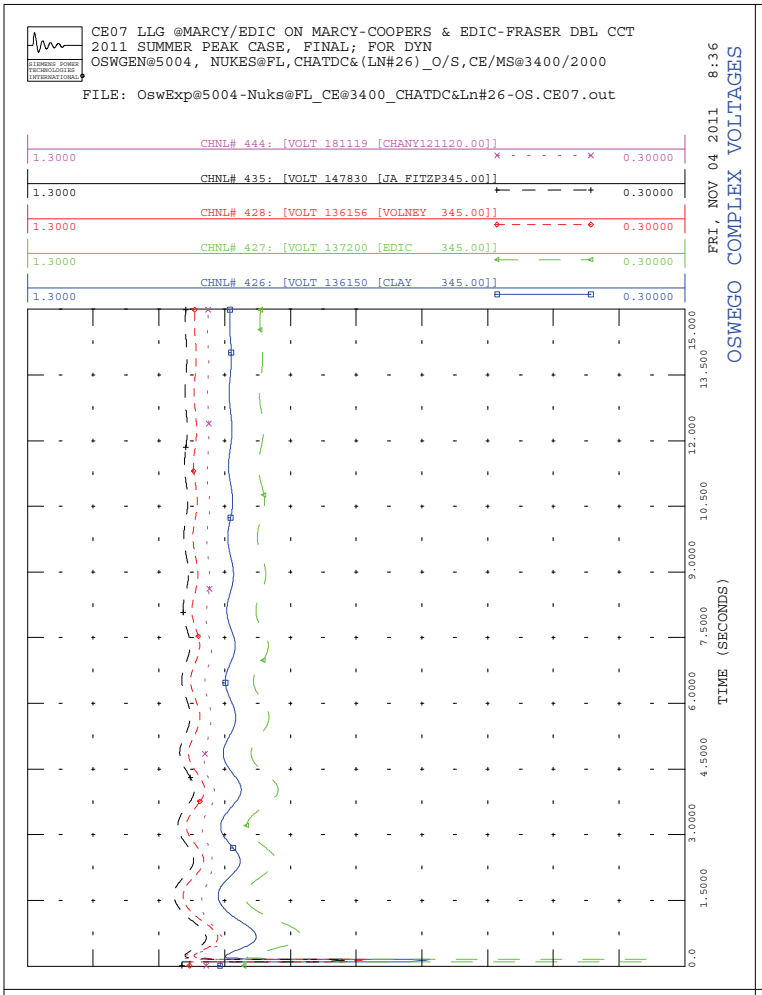
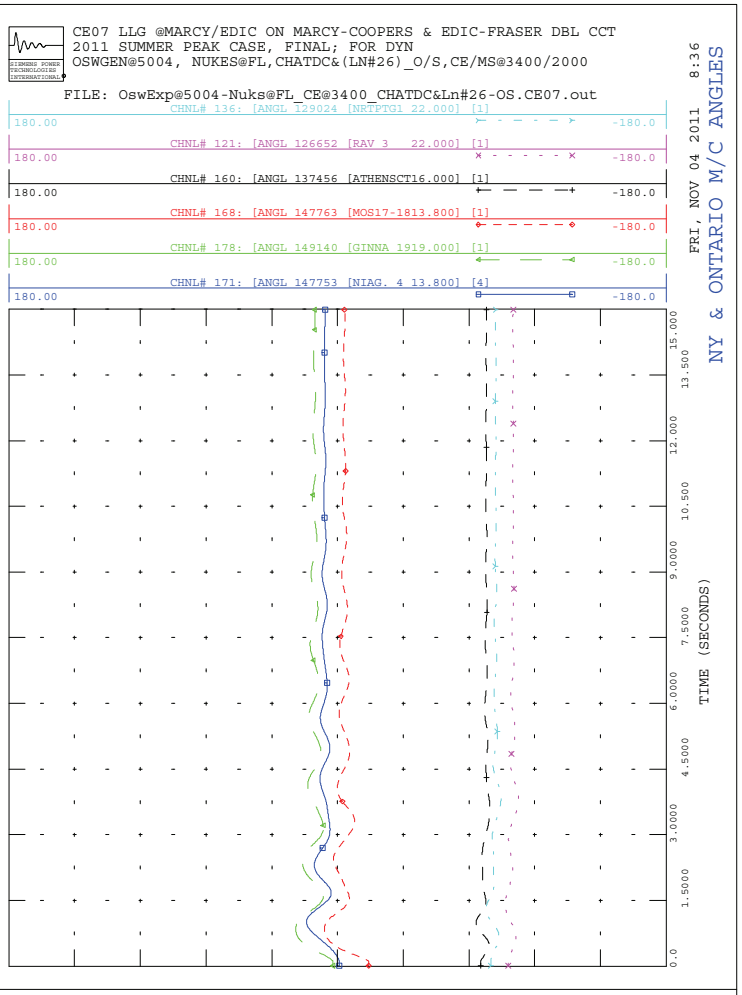
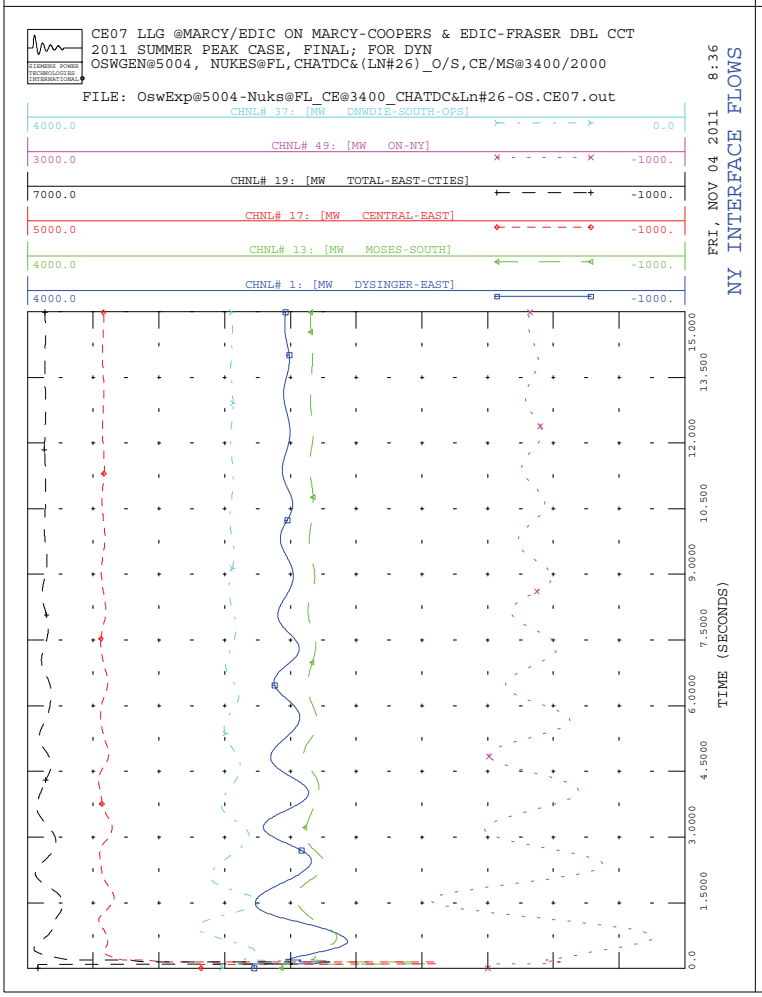
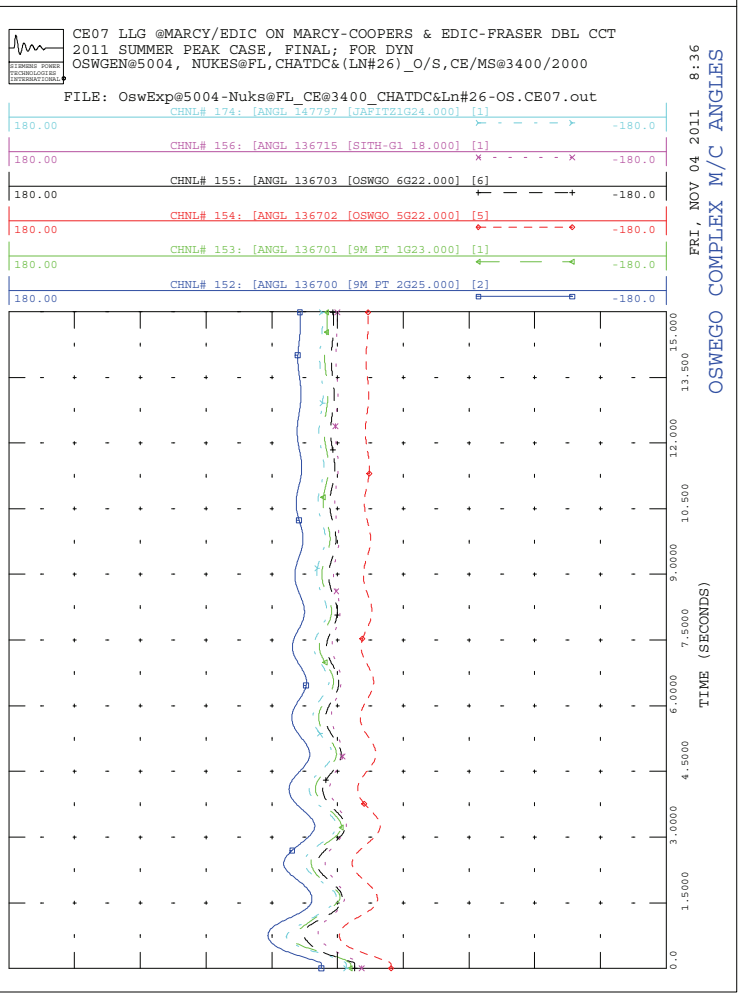
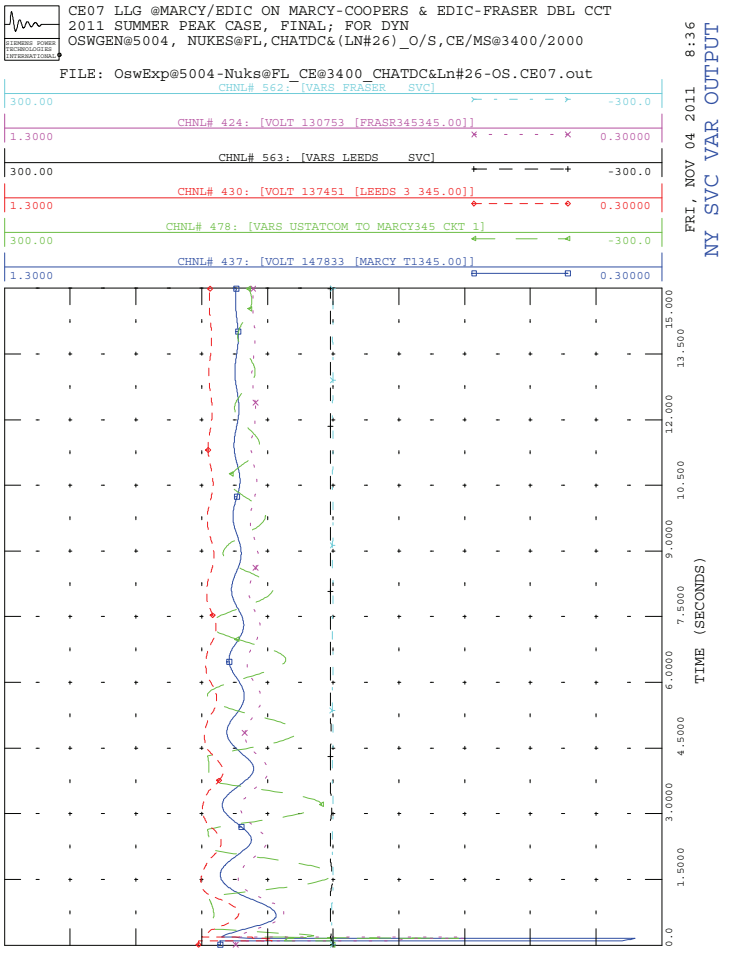
TIME (SECONDS)
FRI, NOV 04 2011 8:36
NY & OH VOLTAGES


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE07.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 04 2011 8:36
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE07.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
FRI, NOV 04 2011 8:36
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE07.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 04 2011 8:36
NY INTERFACE FLOWS
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE07.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
FRI, NOV 04 2011 8:36
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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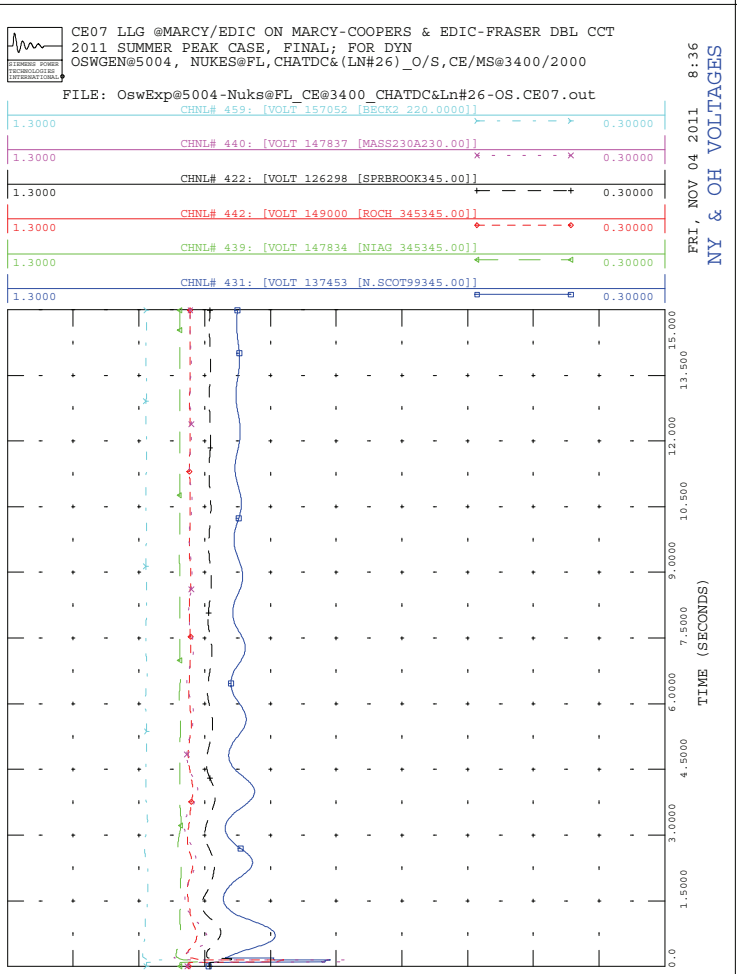
TIME (SECONDS)
FRI, NOV 04 2011 8:36
NY SVC VAR OUTPUT


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
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CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
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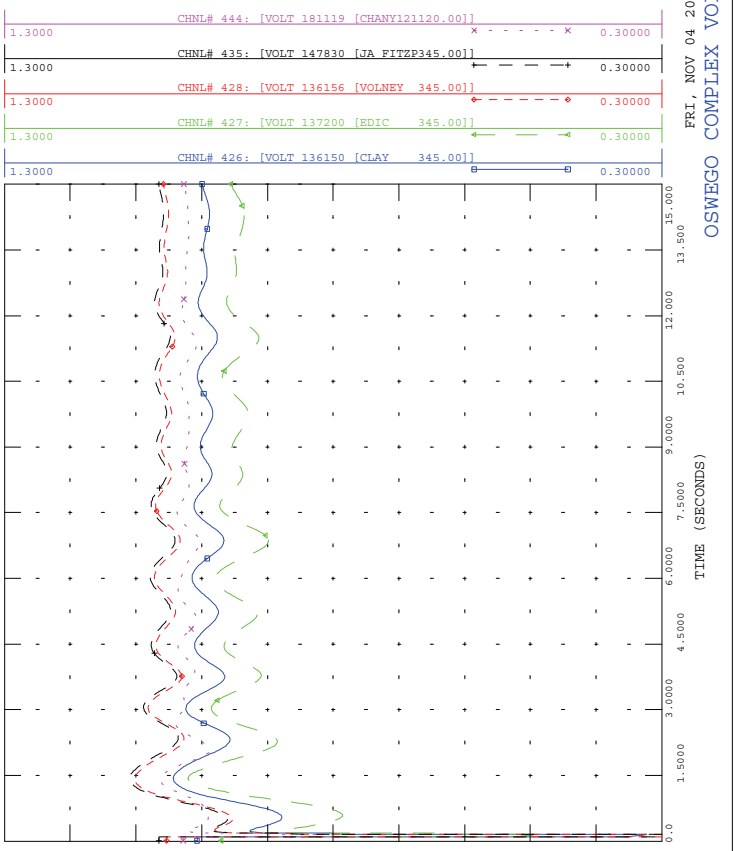
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 04 2011 8:36
NY & OH VOLTAGES

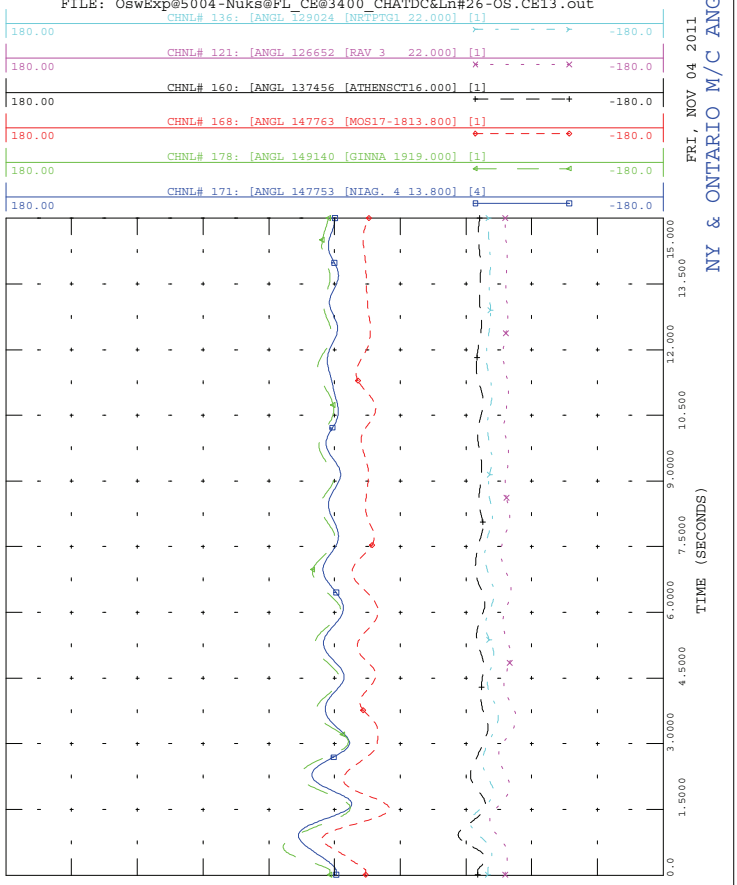
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE13.out



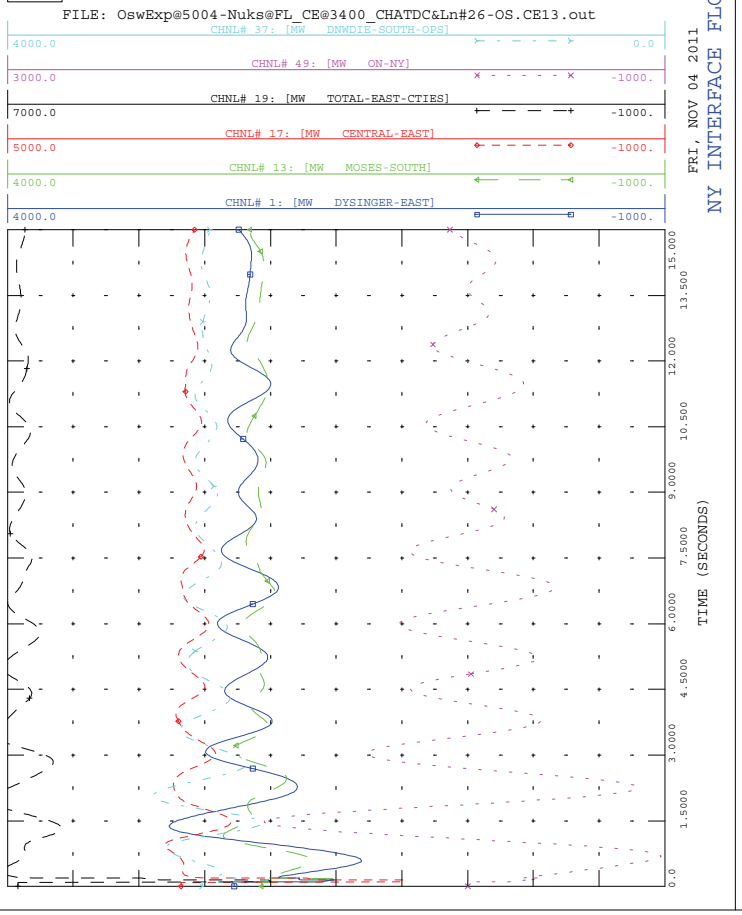
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE13.out



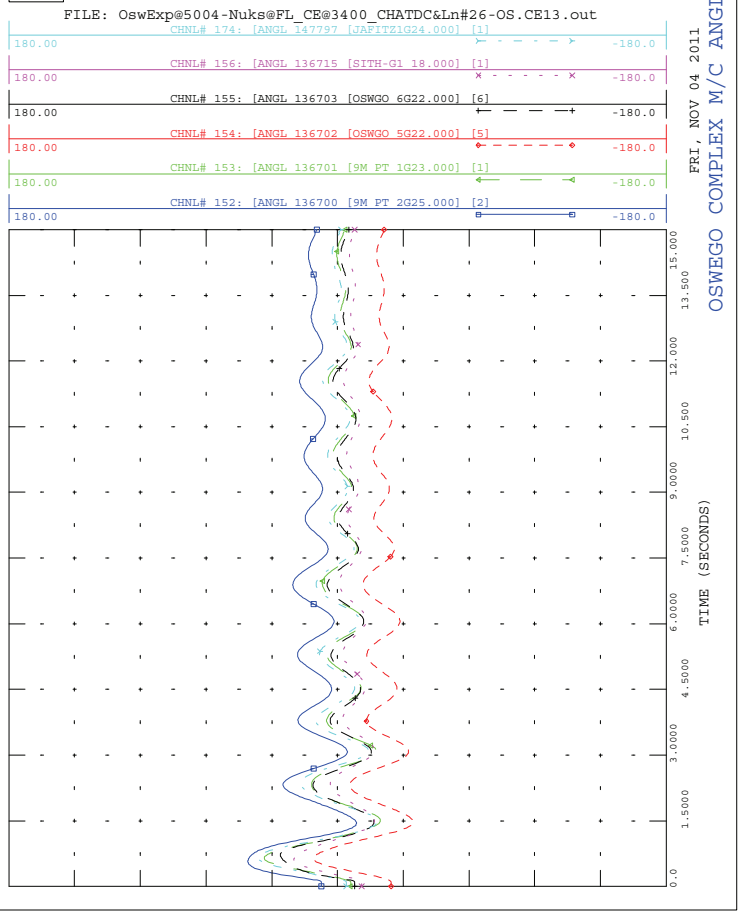
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

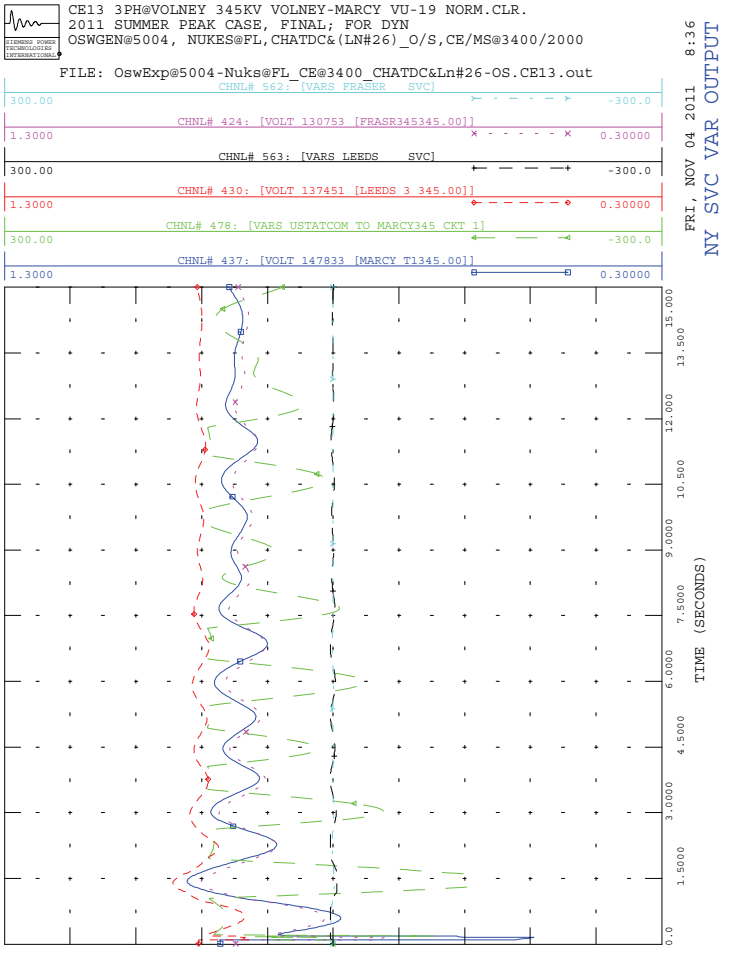
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE13.out



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE13.out




CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
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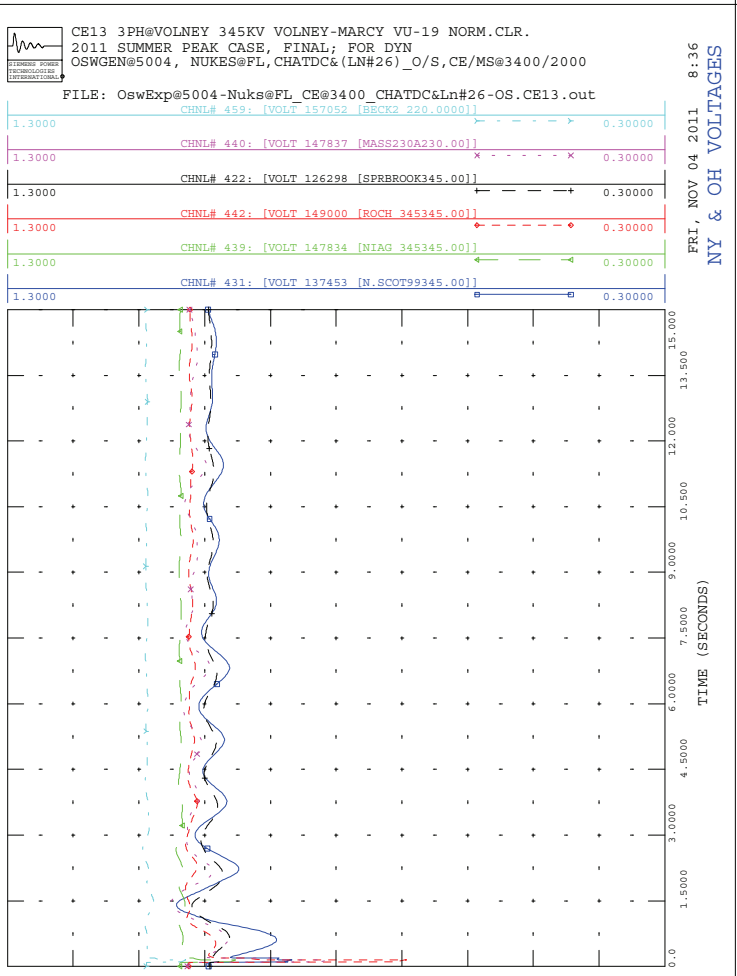
TIME (SECONDS)
FRI, NOV 04 2011 8:36
NY SVC VAR OUTPUT


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
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0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
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0.0
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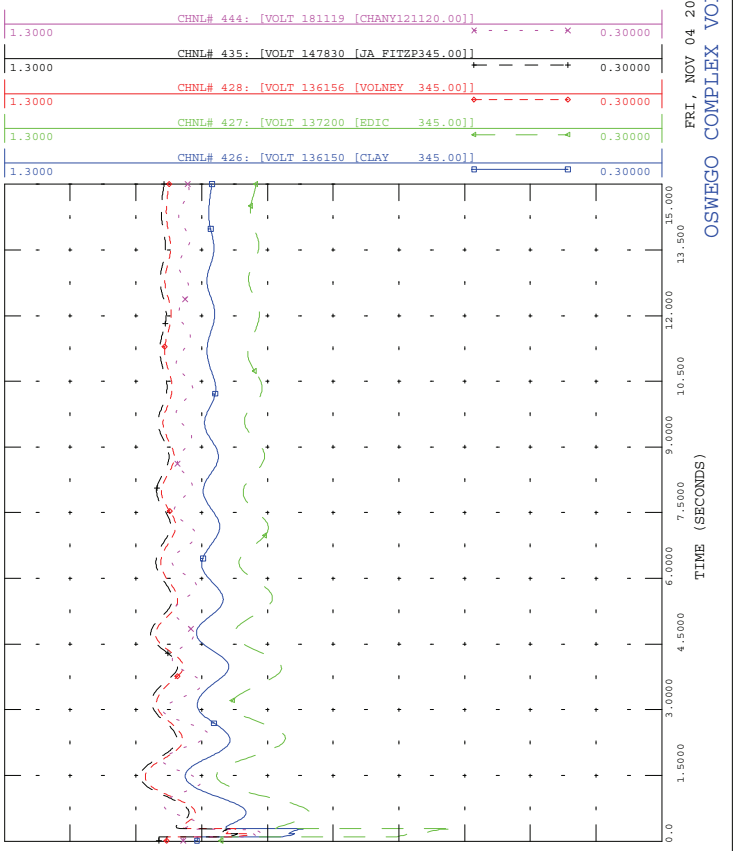
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 04 2011 8:36
NY & OH VOLTAGES

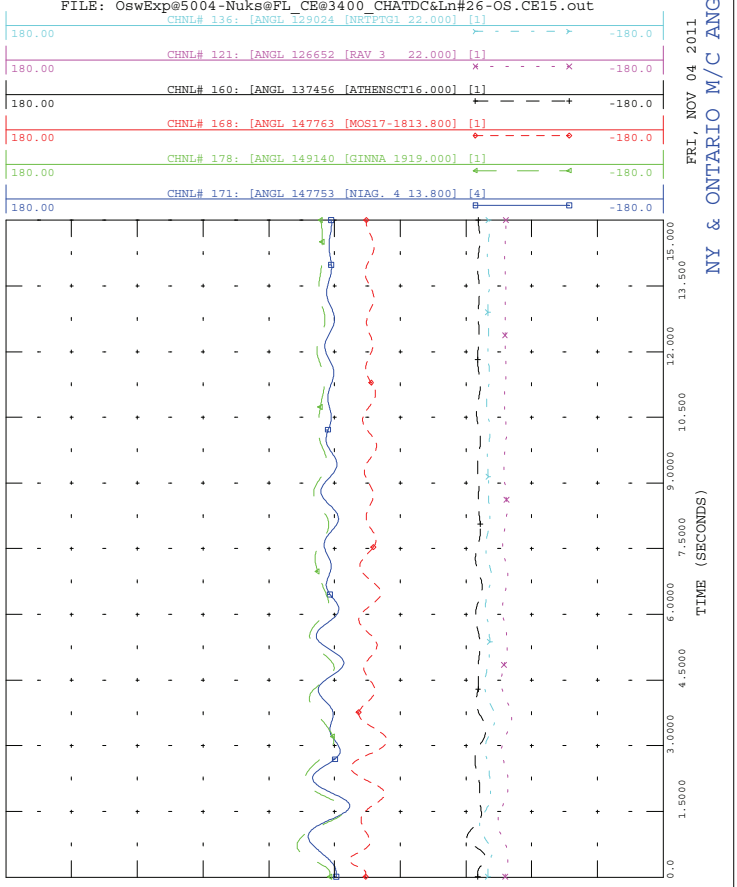
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE15.out



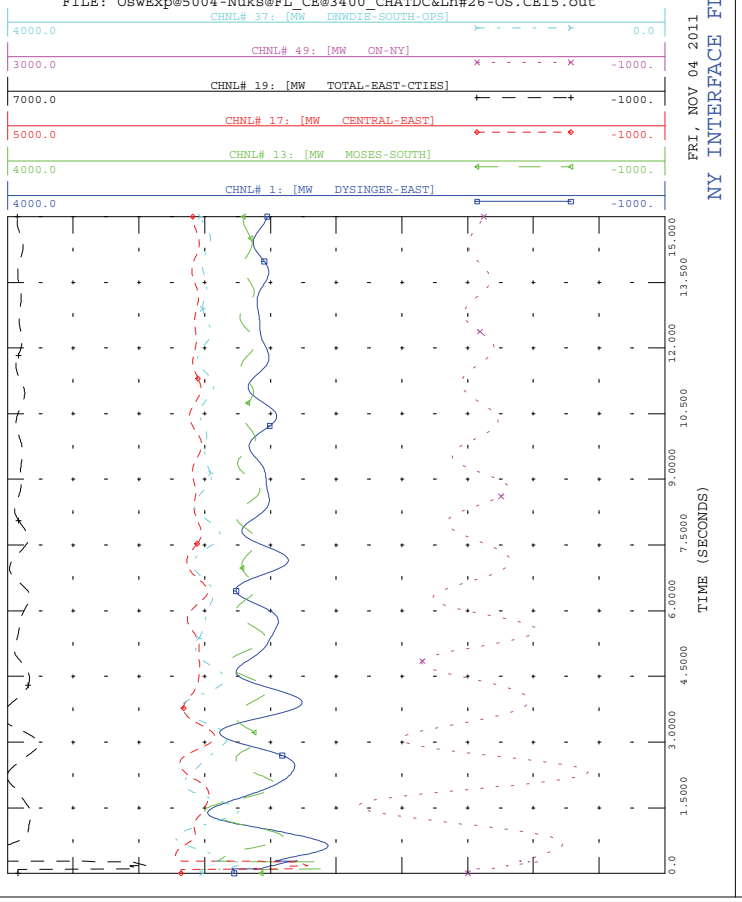
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE15.out



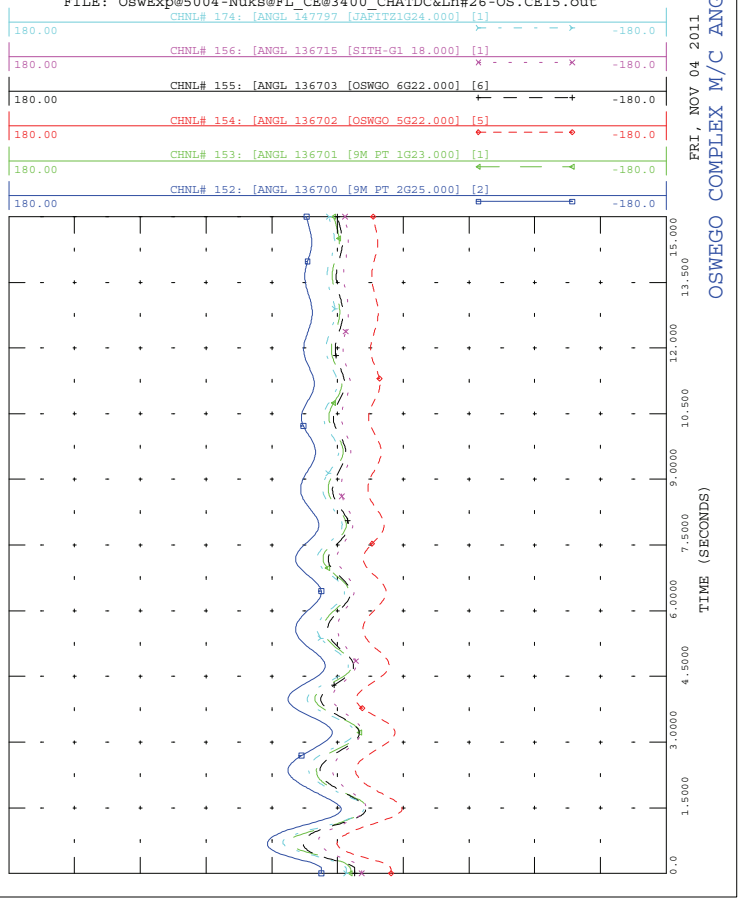
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

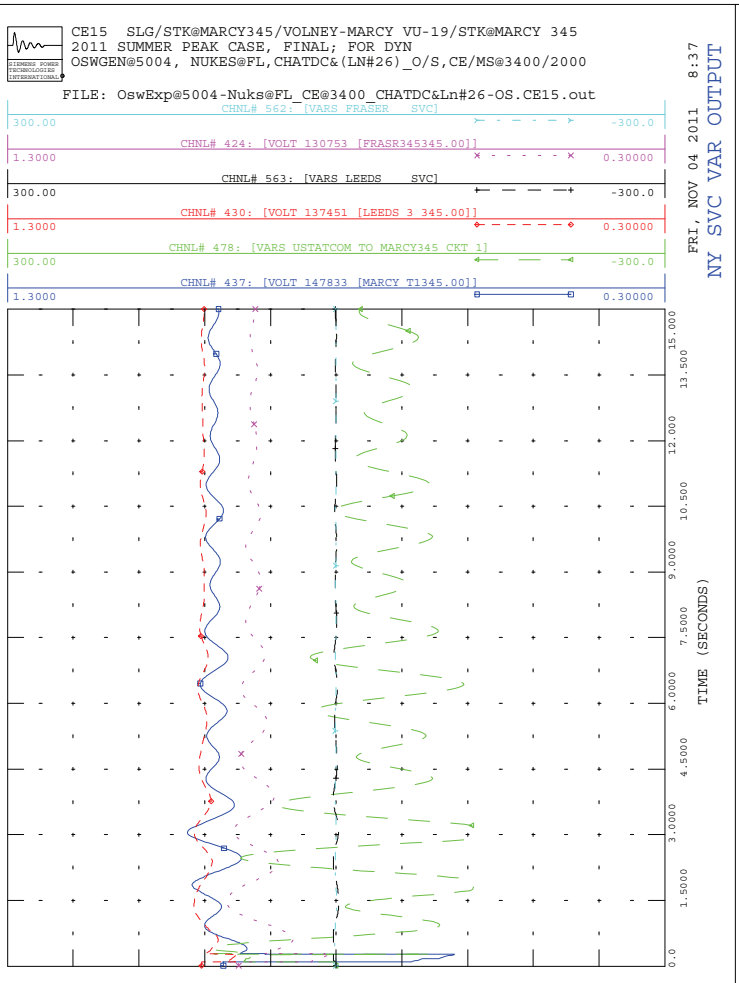
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE15.out



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE15.out




CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
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0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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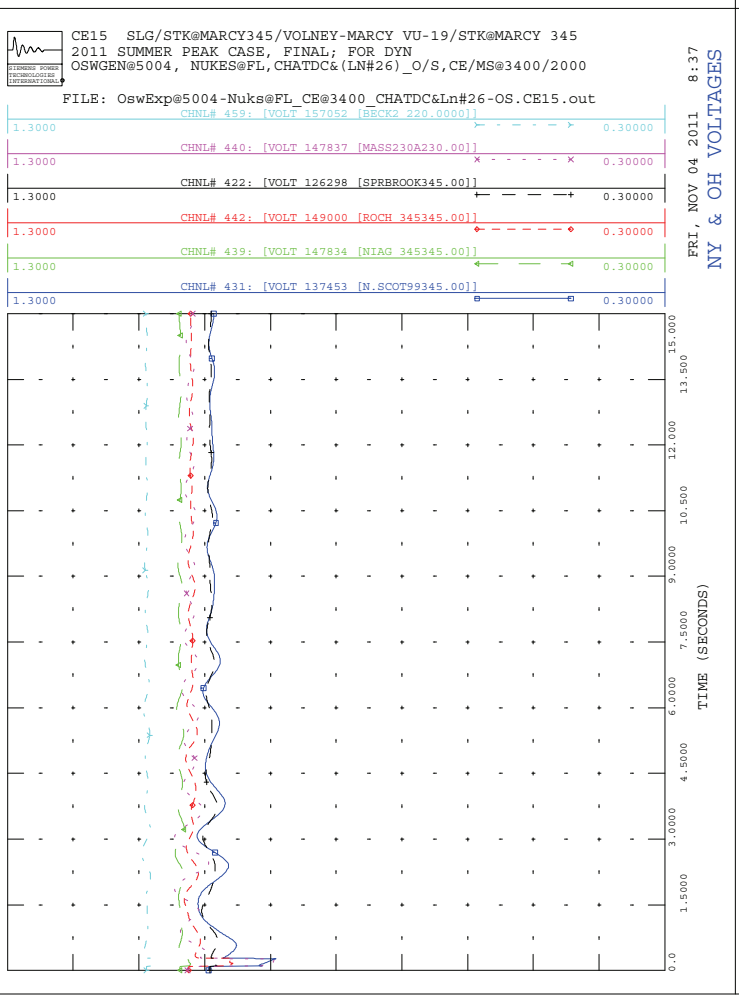
TIME (SECONDS)
FRI, NOV 04 2011 8:37
NY SVC VAR OUTPUT


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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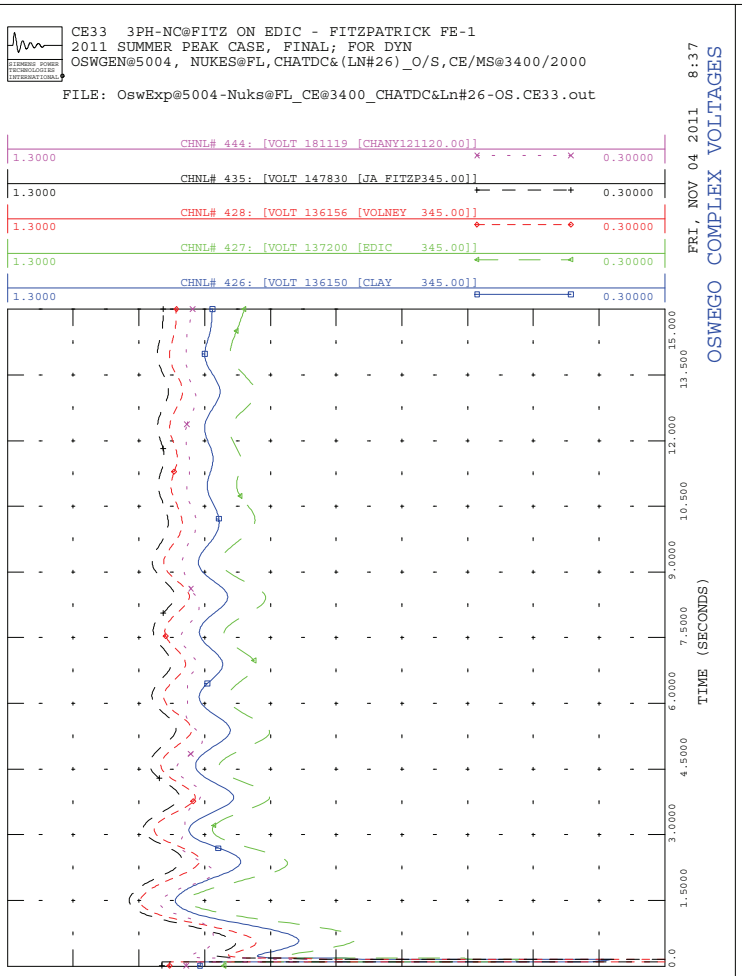
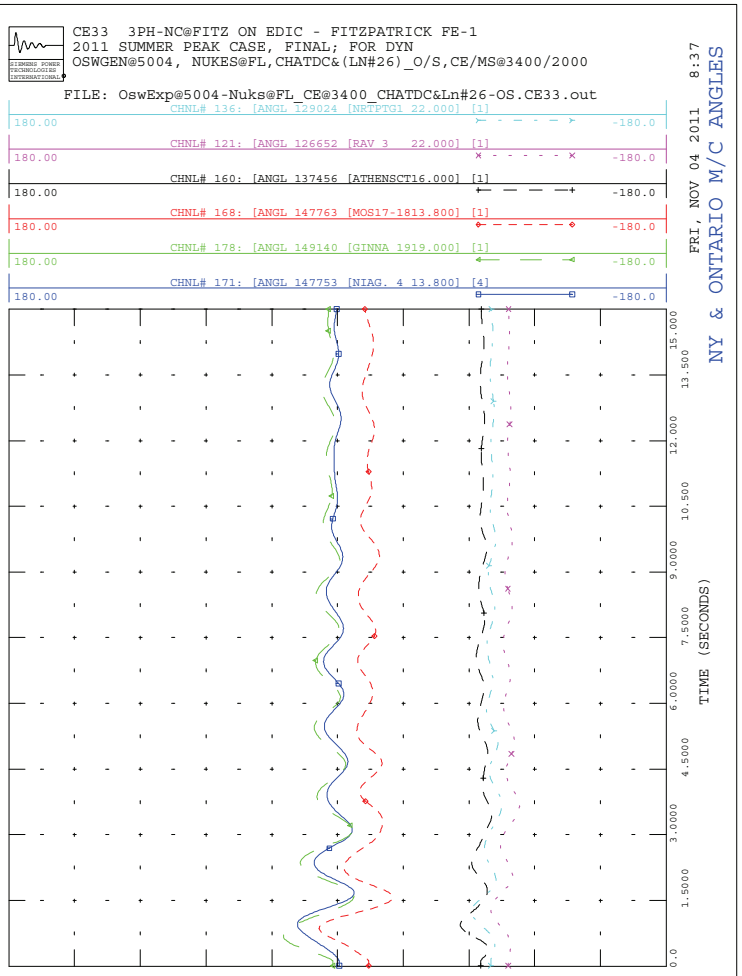
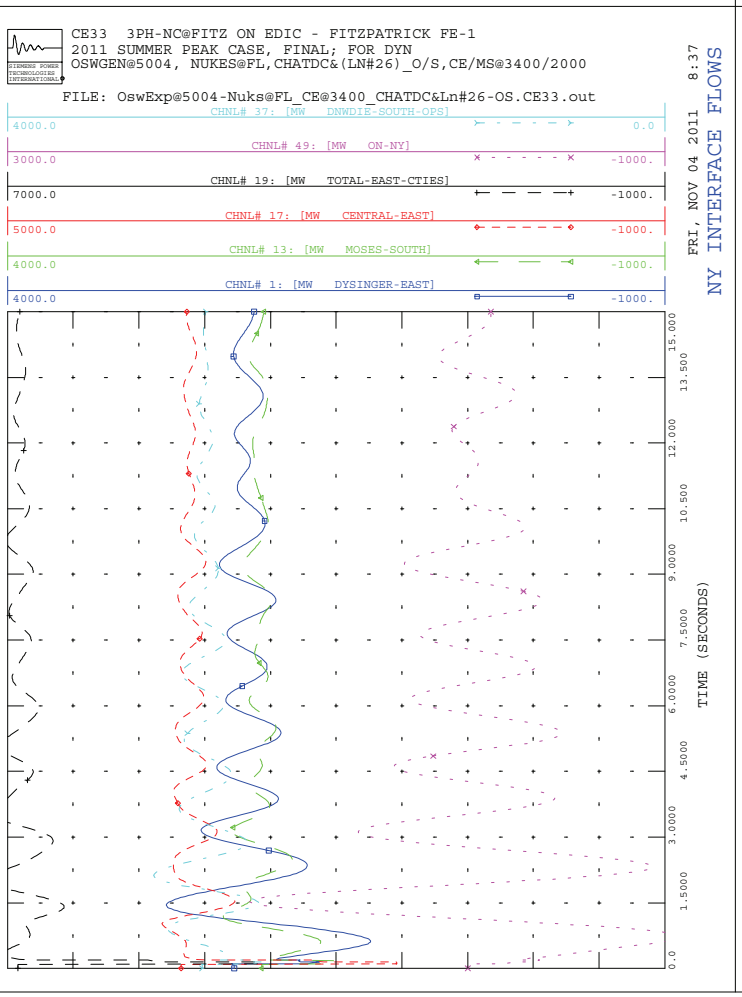
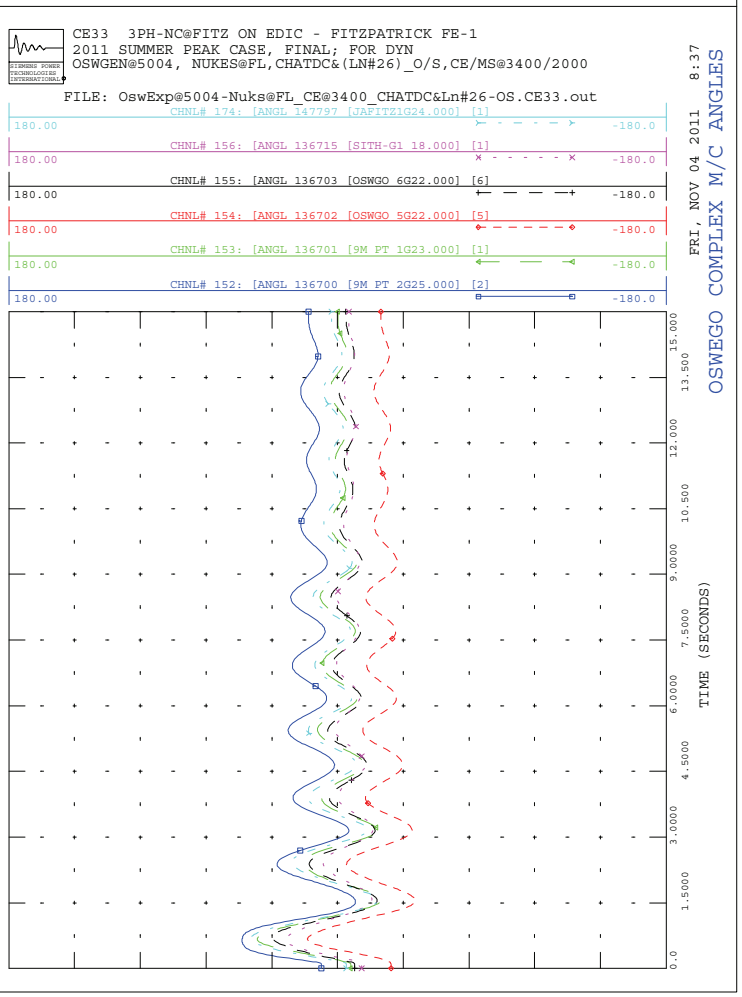
TIME (SECONDS)
FRI, NOV 04 2011 8:37
NY & OH VOLTAGES


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE33.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 04 2011 8:37
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE33.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
FRI, NOV 04 2011 8:37
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE33.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 04 2011 8:37
NY INTERFACE FLOWS
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE33.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
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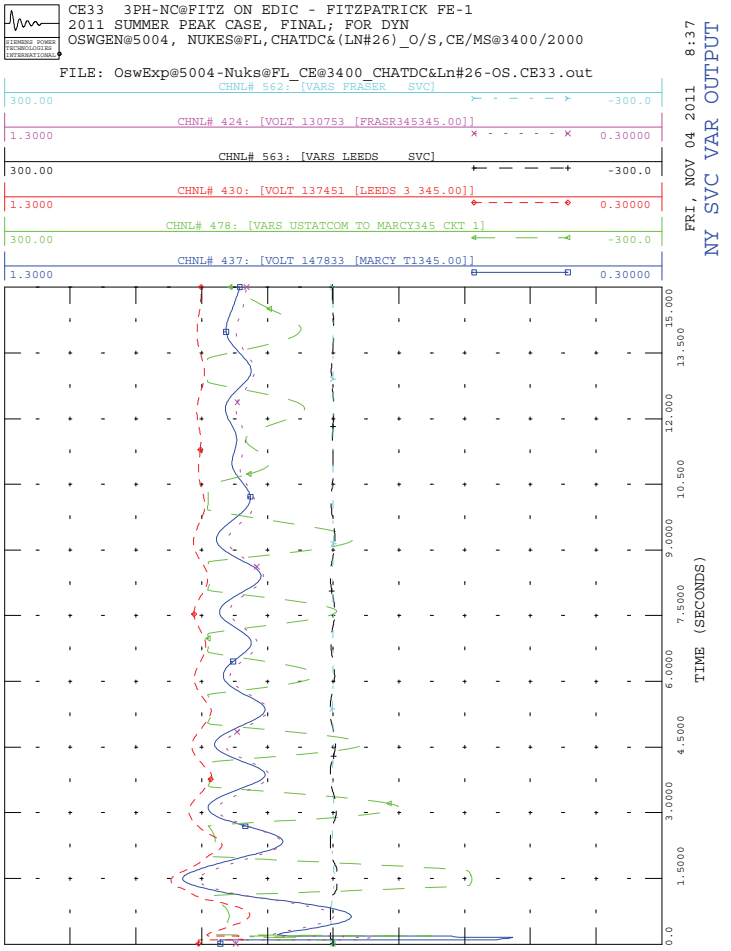
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
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CHNL# 424: [VOLT 130753 [FRASR345345.00]]
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0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
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0.0
1.5000
3.0000
4.5000
6.0000
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FRI, NOV 04 2011 8:37
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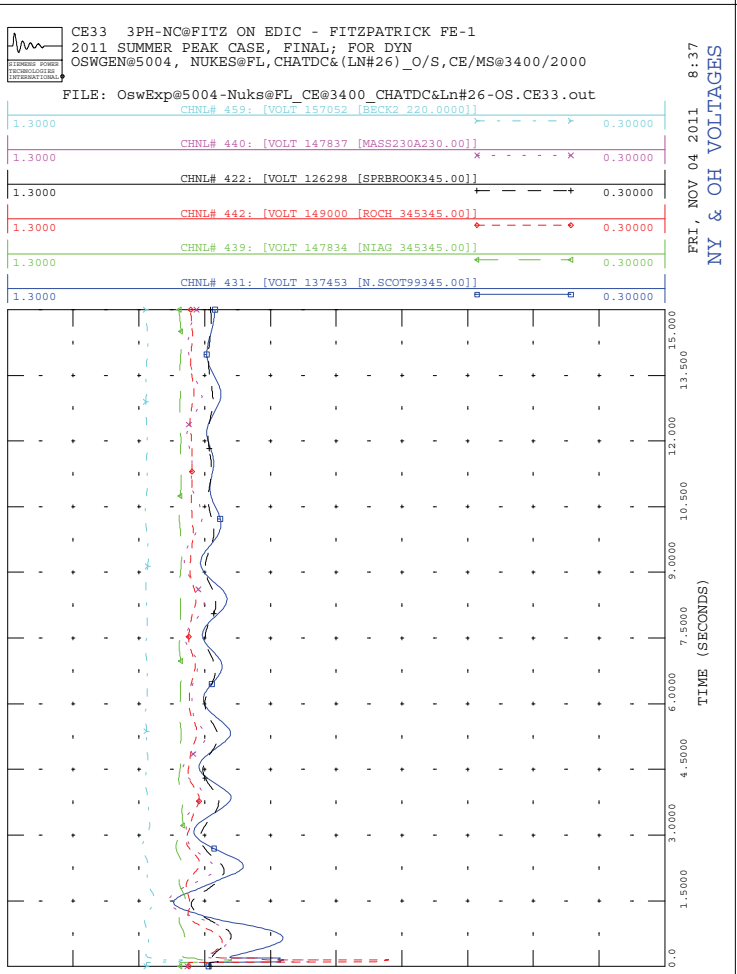
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
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CHNL# 440: [VOLT 147837 [MASS230A230.00]]
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0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
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0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
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CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
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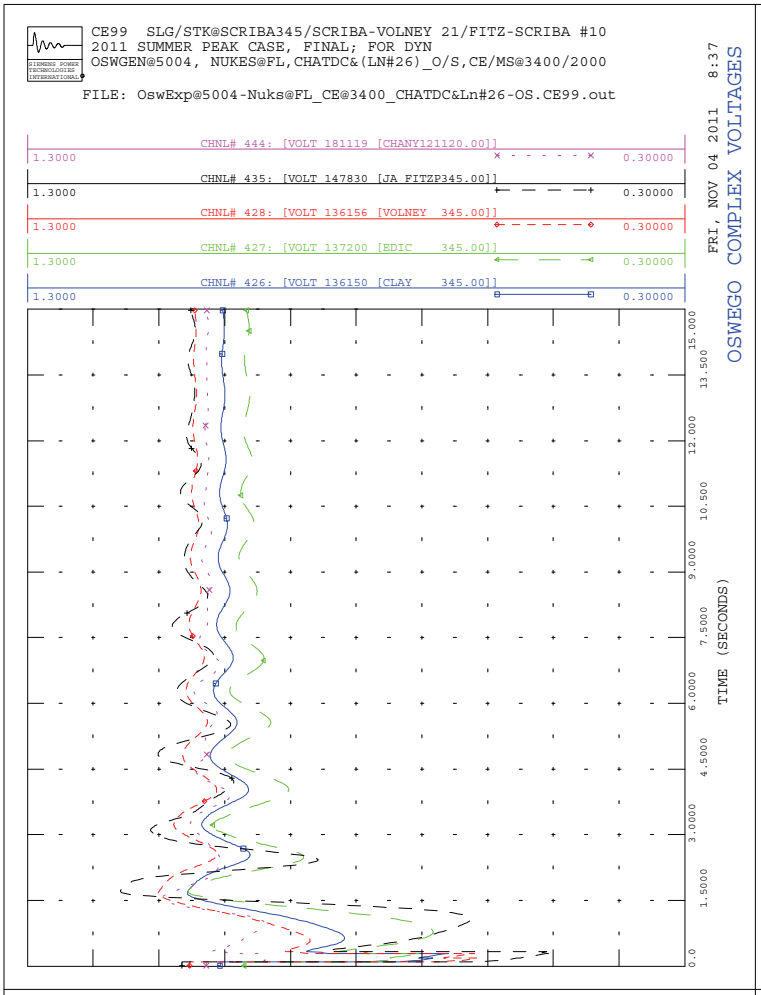
TIME (SECONDS)
FRI, NOV 04 2011 8:37
NY & OH VOLTAGES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
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CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
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CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
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0.30000
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
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0.30000
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
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FRI, NOV 04 2011 8:37
OSWEGO COMPLEX VOLTAGES
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9.0000
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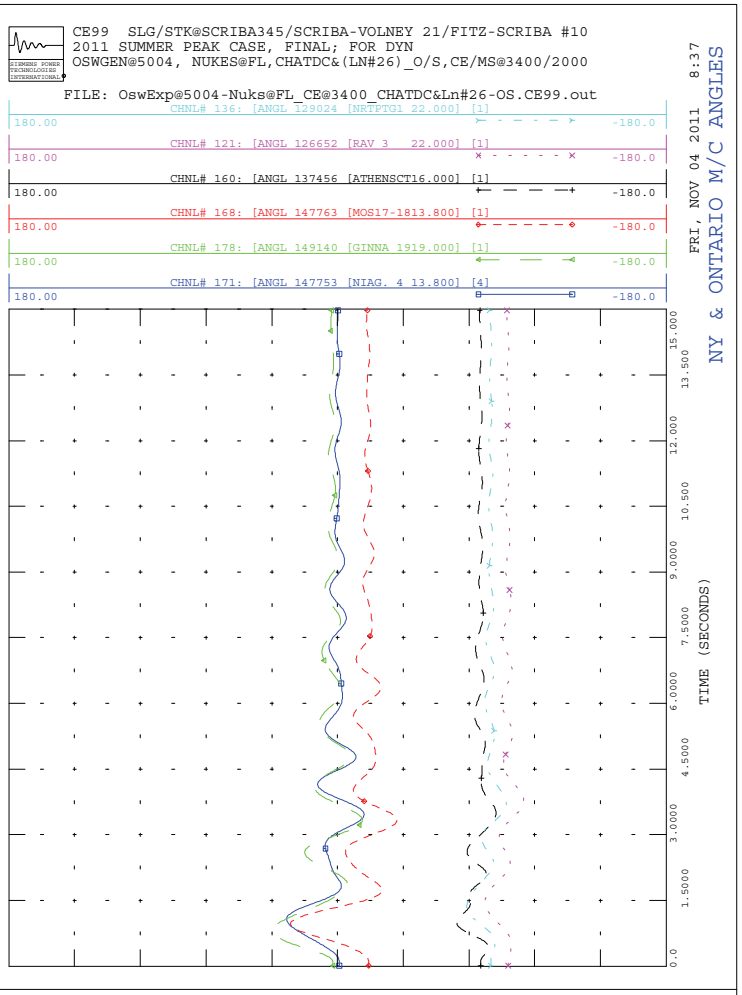
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE99.out
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-180.0
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
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-180.0
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
180.00
-180.0
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
180.00
-180.0
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
180.00
-180.0
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
180.00
-180.0
FRI, NOV 04 2011 8:37
NY & ONTARIO M/C ANGLES
TIME (SECONDS)
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4.5000
6.0000
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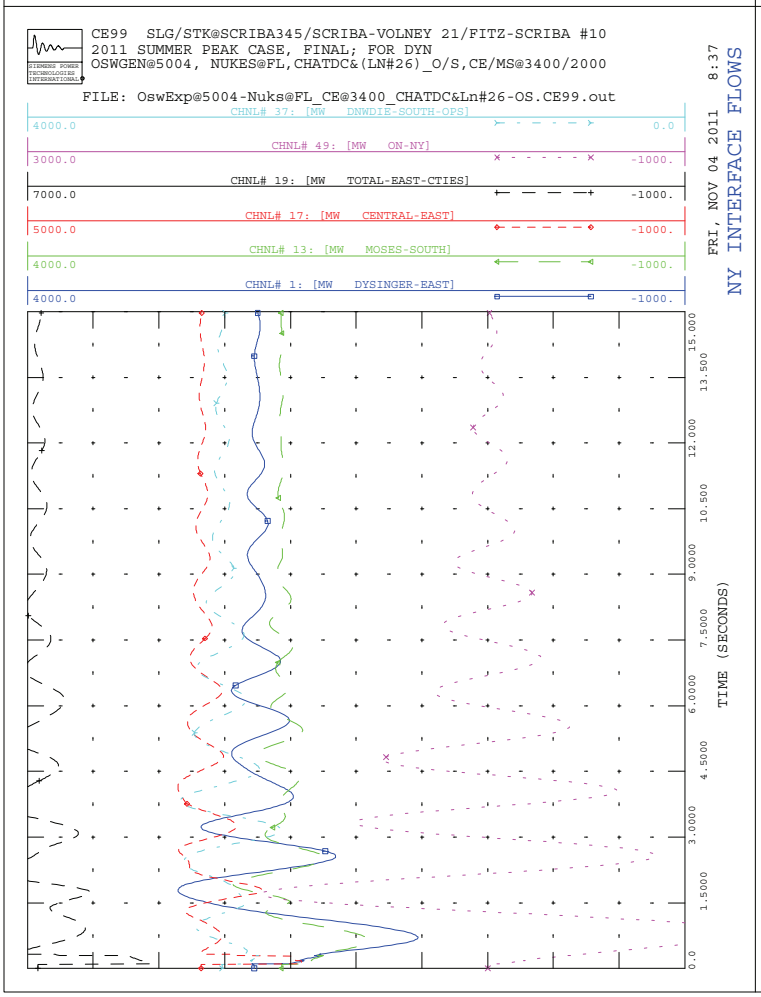
9.0000
10.500
12.000
13.500
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
4000.0
0.0
CHNL# 49: [MW ON-NY]
3000.0
-1000.
CHNL# 19: [MW TOTAL-EAST-CTIES]
7000.0
-1000.
CHNL# 17: [MW CENTRAL-EAST]
5000.0
-1000.
CHNL# 13: [MW MOSES-SOUTH]
4000.0
-1000.
CHNL# 1: [MW DYSINGER-EAST]
4000.0
-1000.
FRI, NOV 04 2011 8:37
NY INTERFACE FLOWS
TIME (SECONDS)
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6.0000
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9.0000
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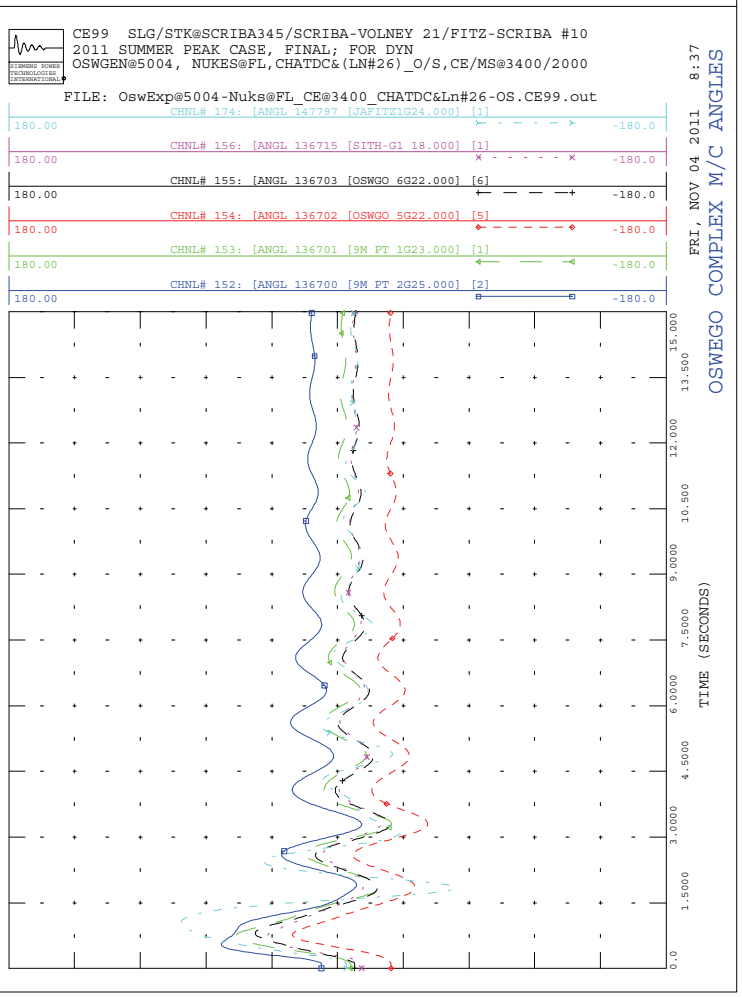
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE99.out
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180.00
-180.0
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
180.00
-180.0
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
180.00
-180.0
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
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-180.0
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
180.00
-180.0
FRI, NOV 04 2011 8:37
OSWEGO COMPLEX M/C ANGLES
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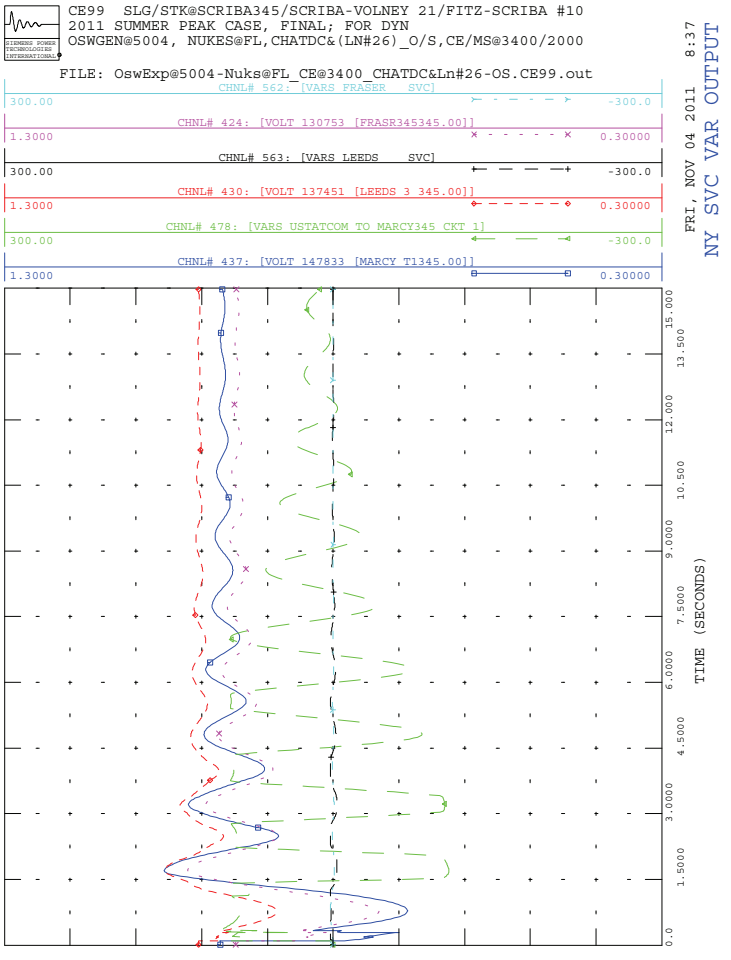
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
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OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE99.out
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300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
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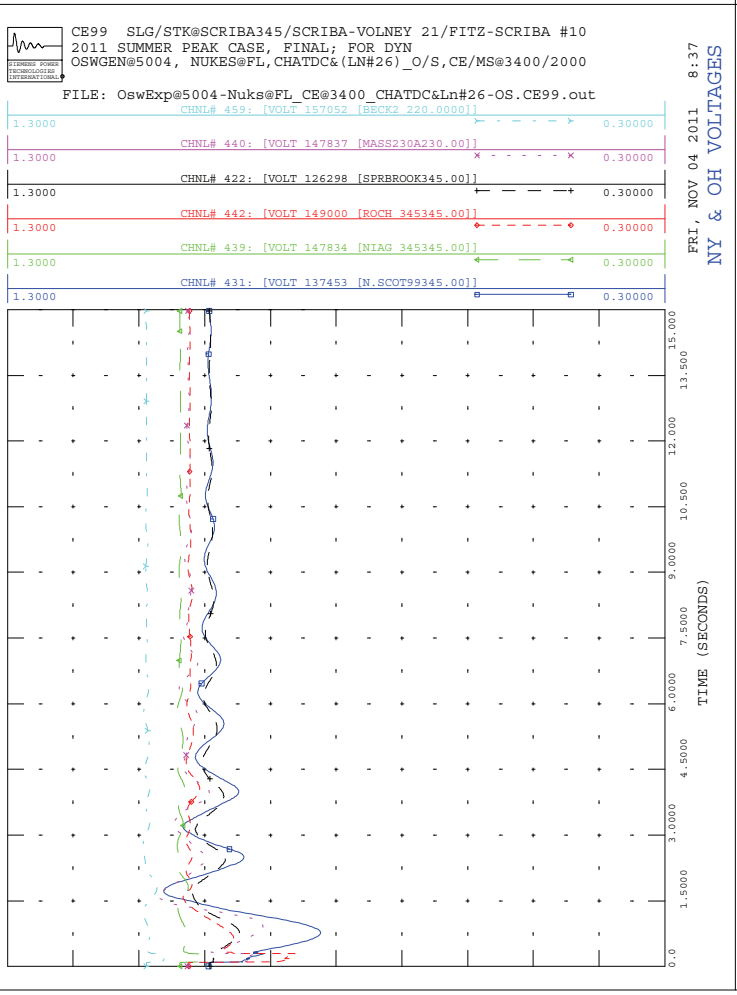
TIME (SECONDS)
FRI, NOV 04 2011 8:37
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
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CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
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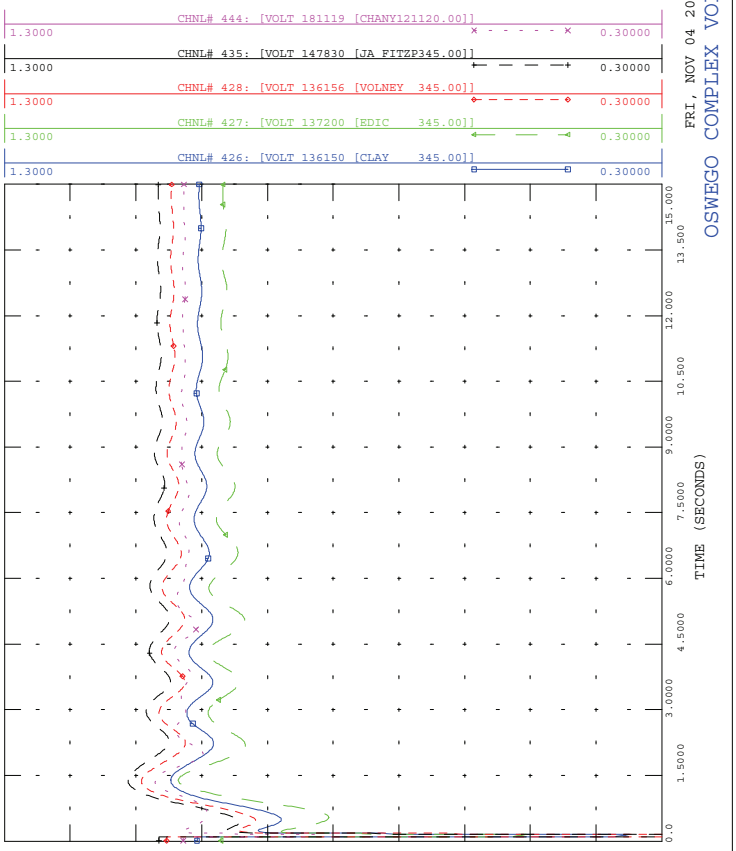
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 04 2011 8:37
NY & OH VOLTAGES

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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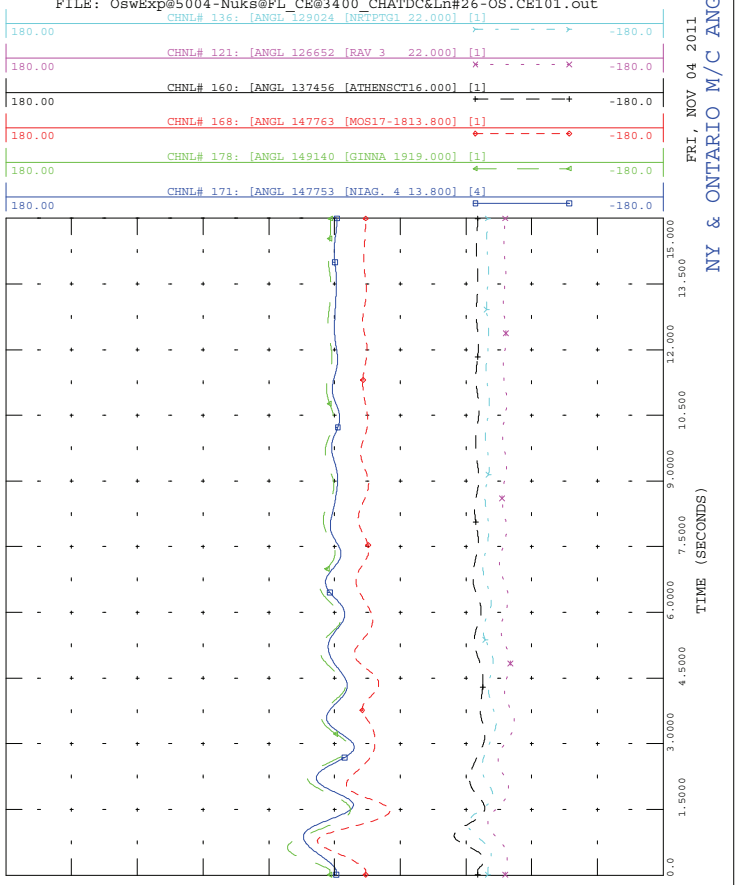

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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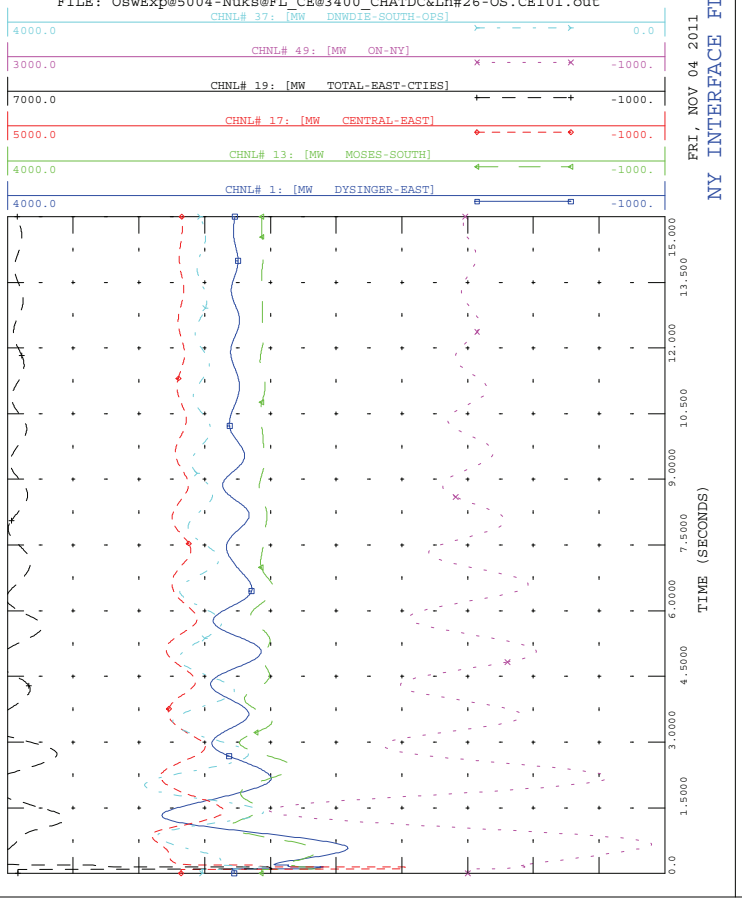

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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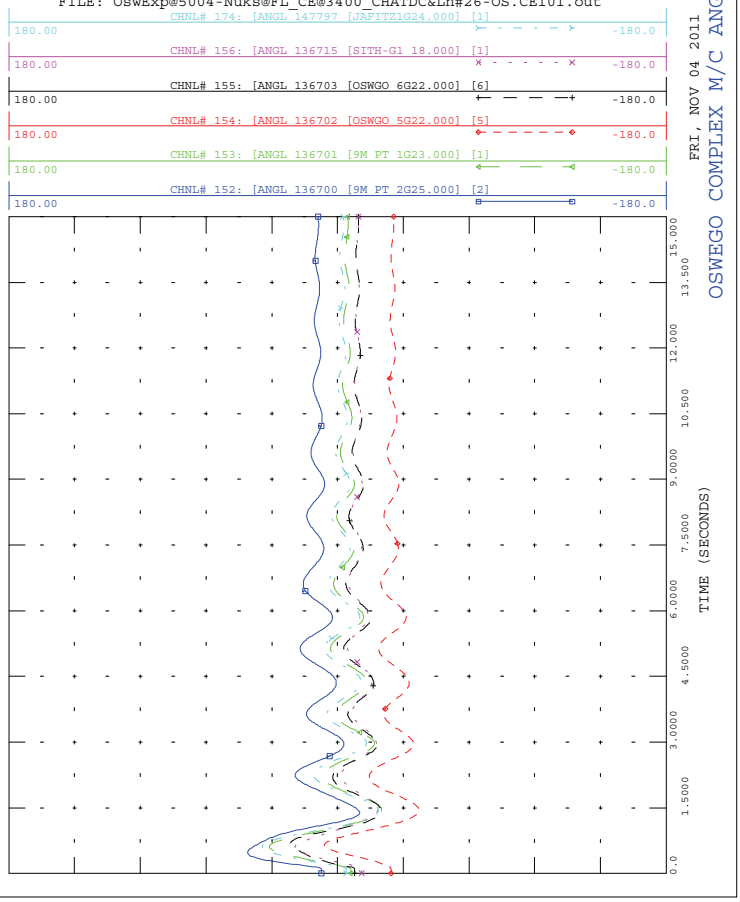

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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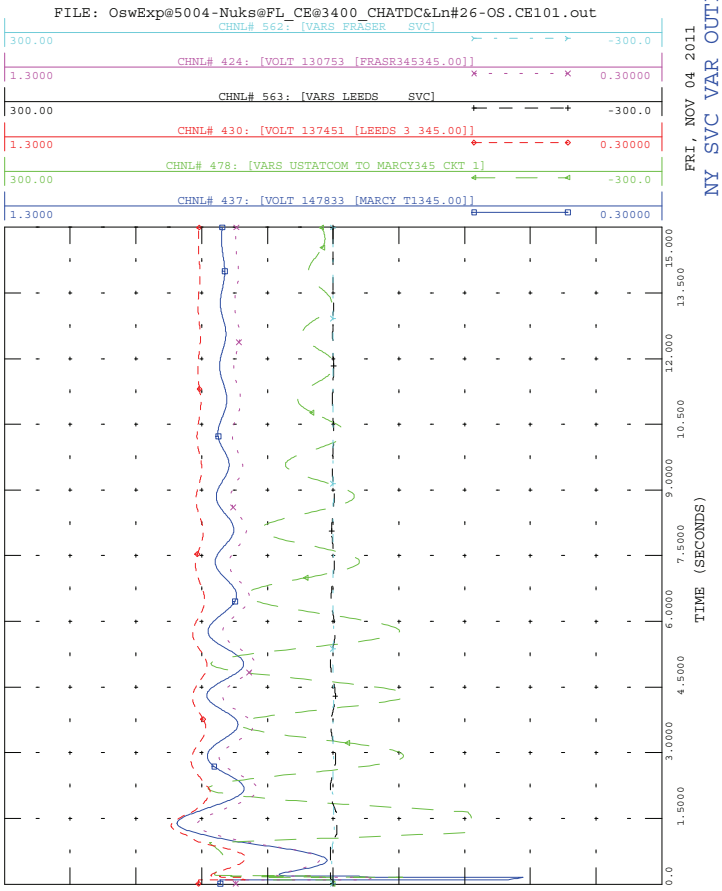

FRI, NOV 04 2011 8:37

NY SVC VAR OUTPUT

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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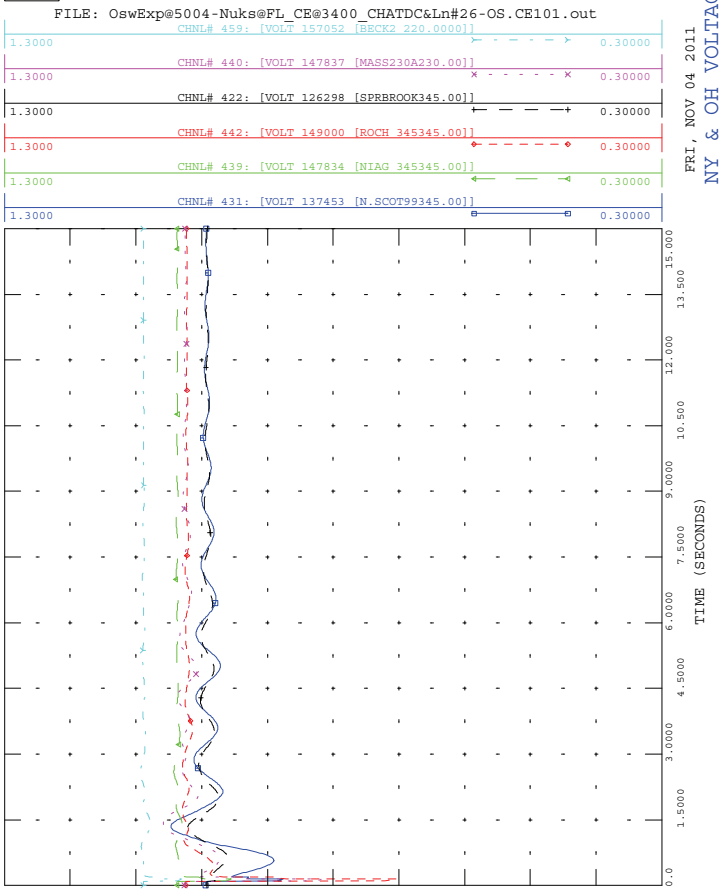

FRI, NOV 04 2011 8:37

NY & OH VOLTAGES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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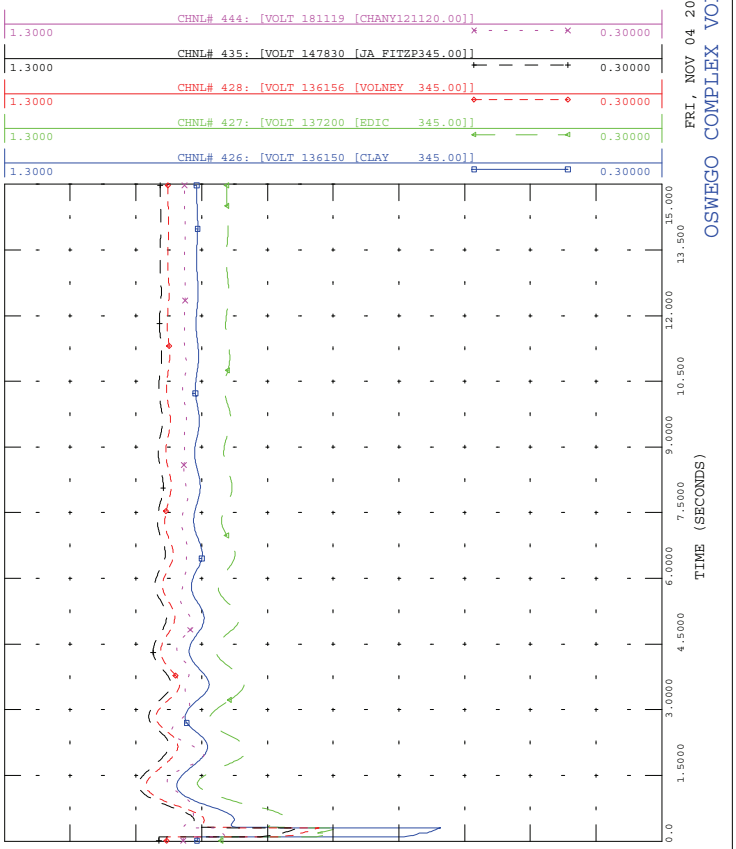

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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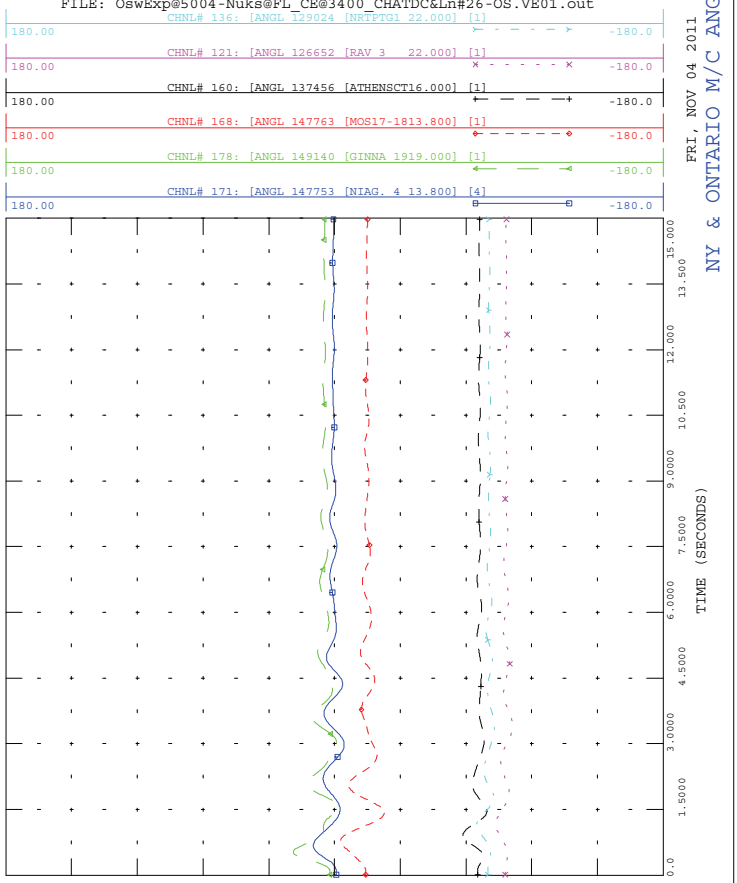

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
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OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

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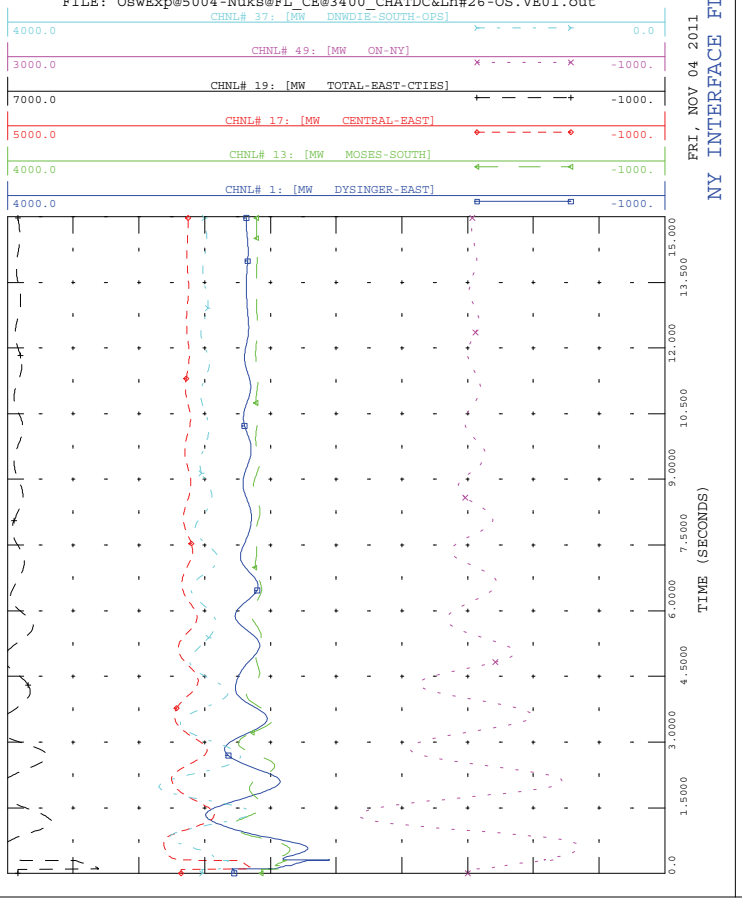
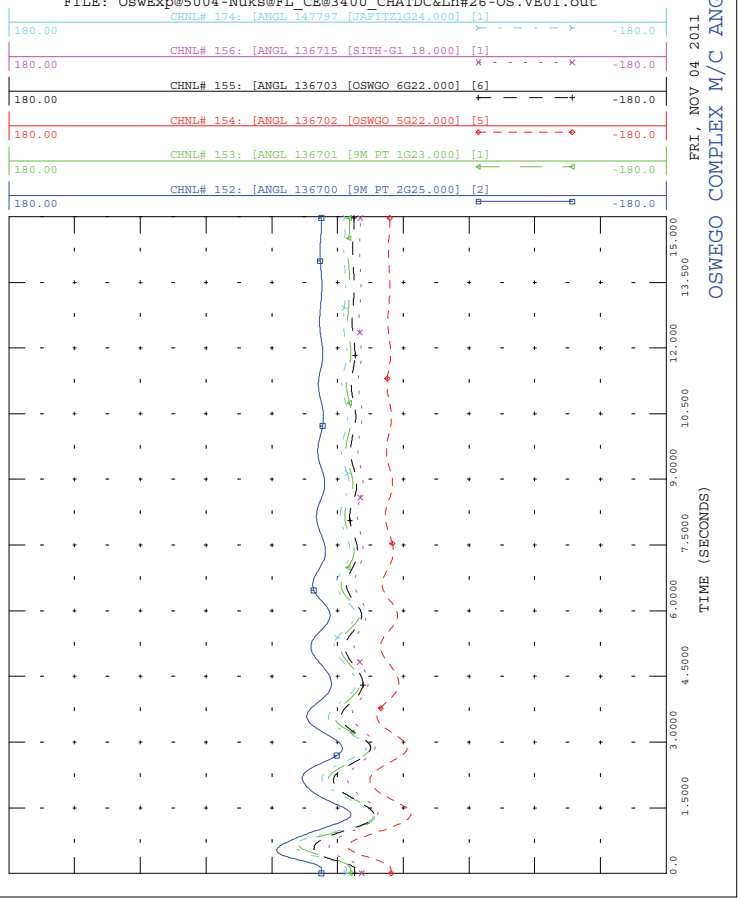


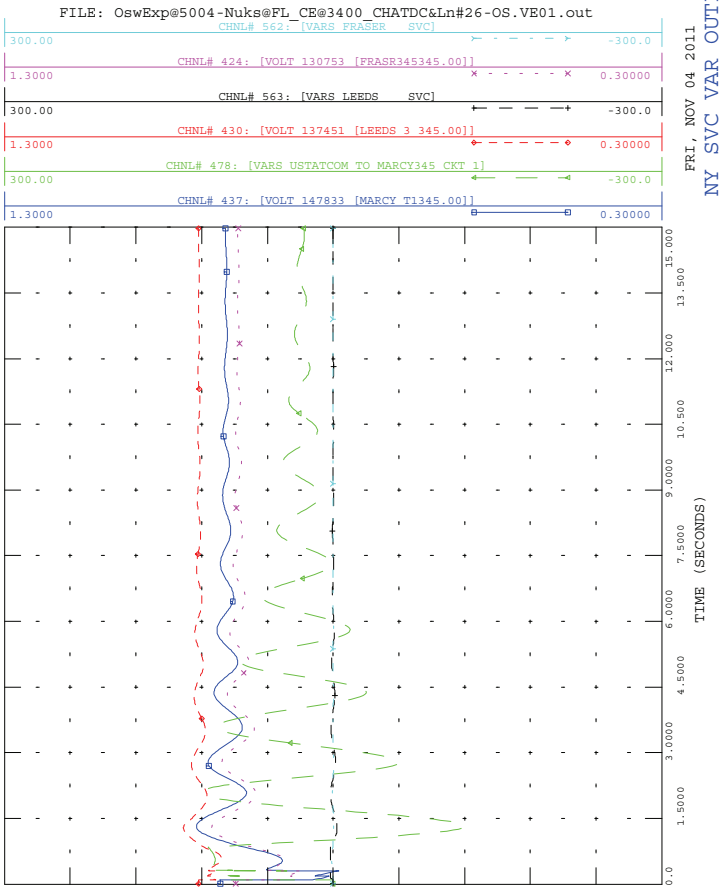
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

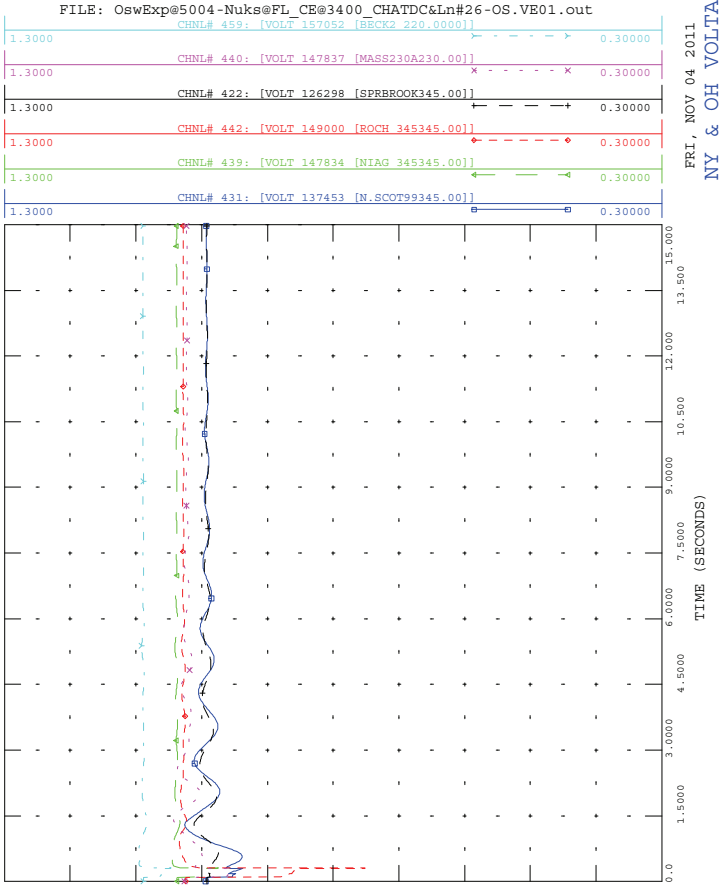
FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.VE01.out



FRI, NOV 04 2011 8:37
NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5004, NUKES@FL,CHATDC&(LN#26)_O/S,CE/MS@3400/2000

FILE: OswExp@5004-Nuks@FL_CE@3400_CHATDC&Ln#26-OS.VE01.out



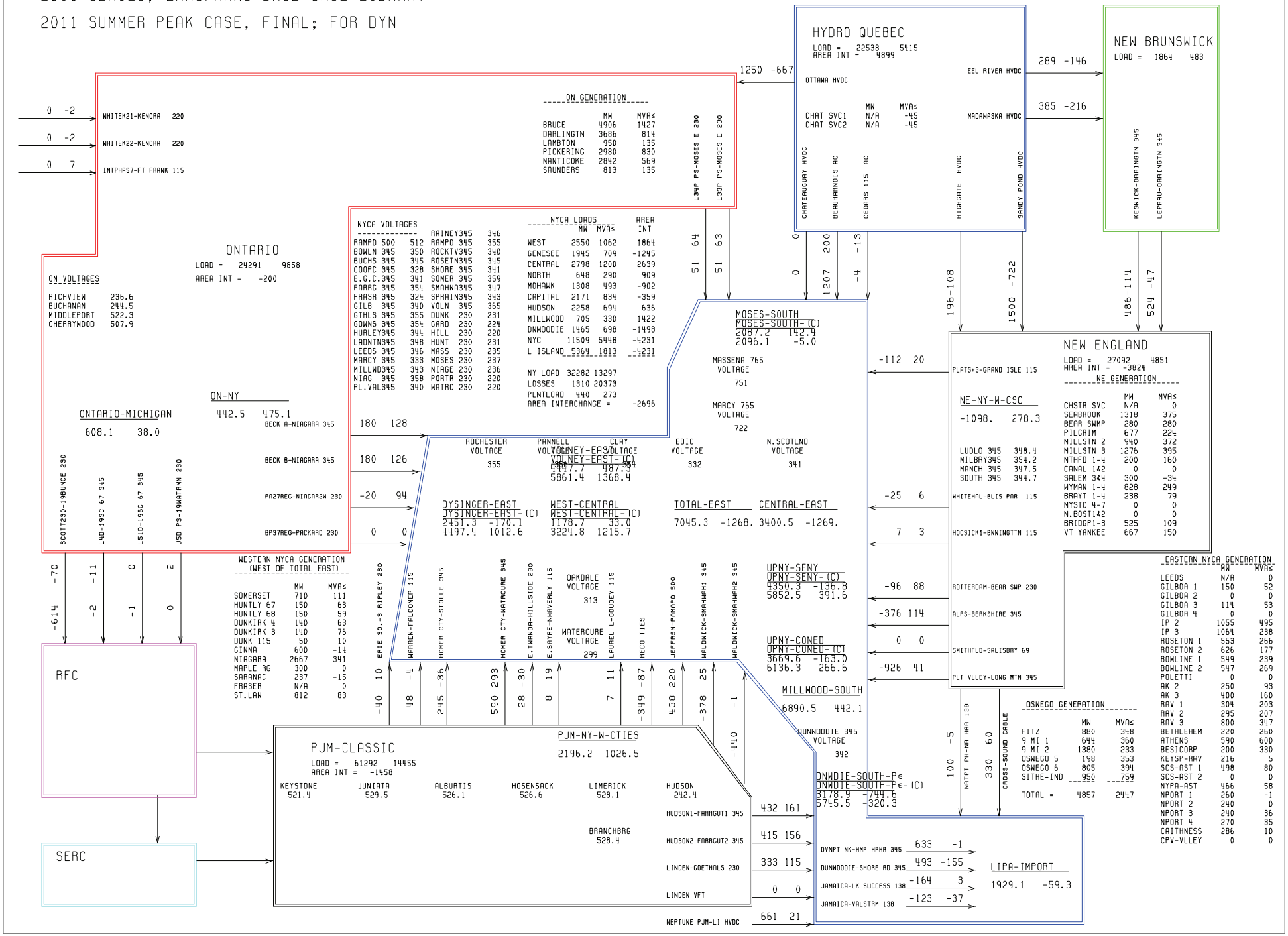
FRI, NOV 04 2011 8:37
NY & OH VOLTAGES

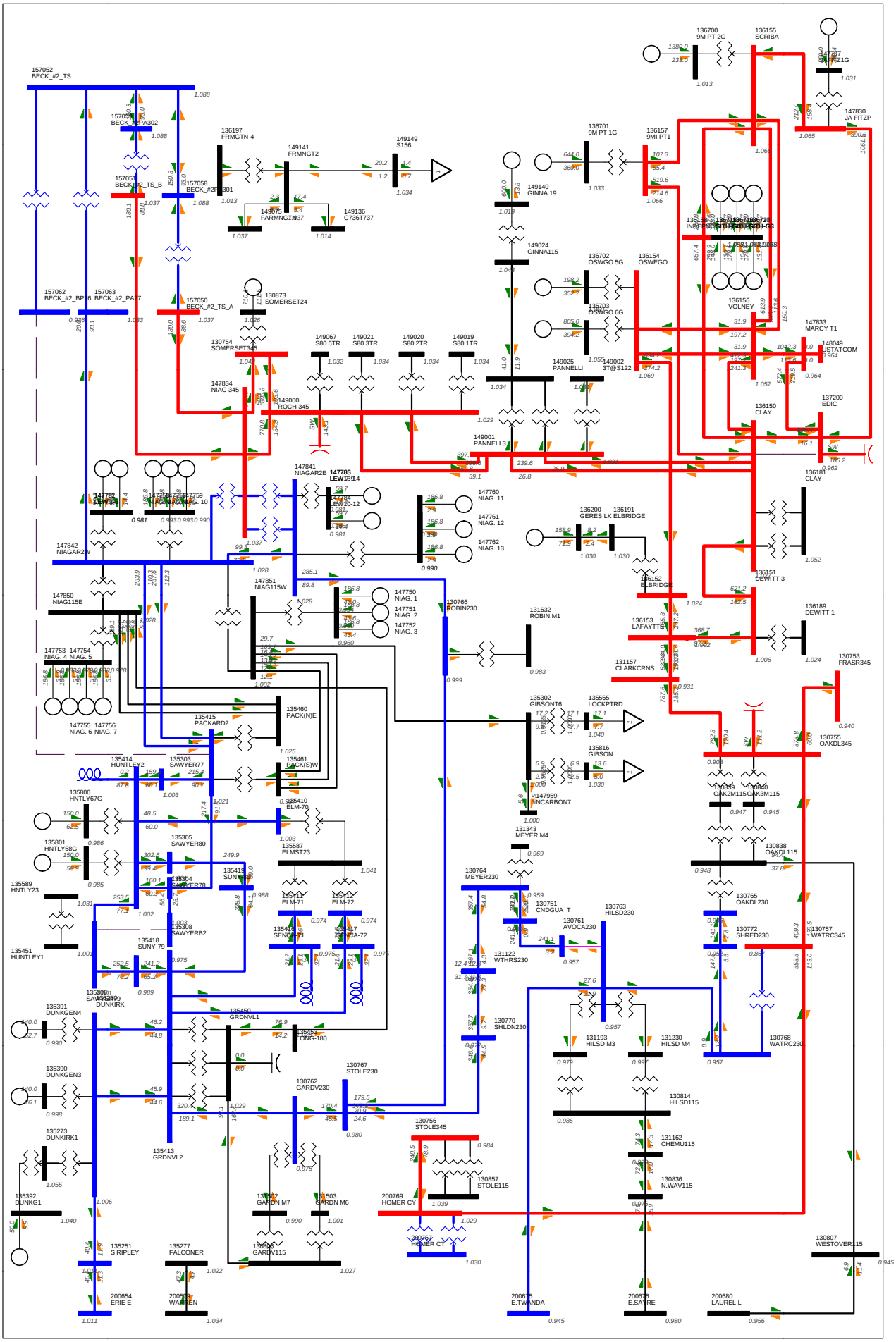
APPENDIX D: Oswego Export Limit - Clay – Edic (1-16) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
TUE, NOV 08 2011 8:27

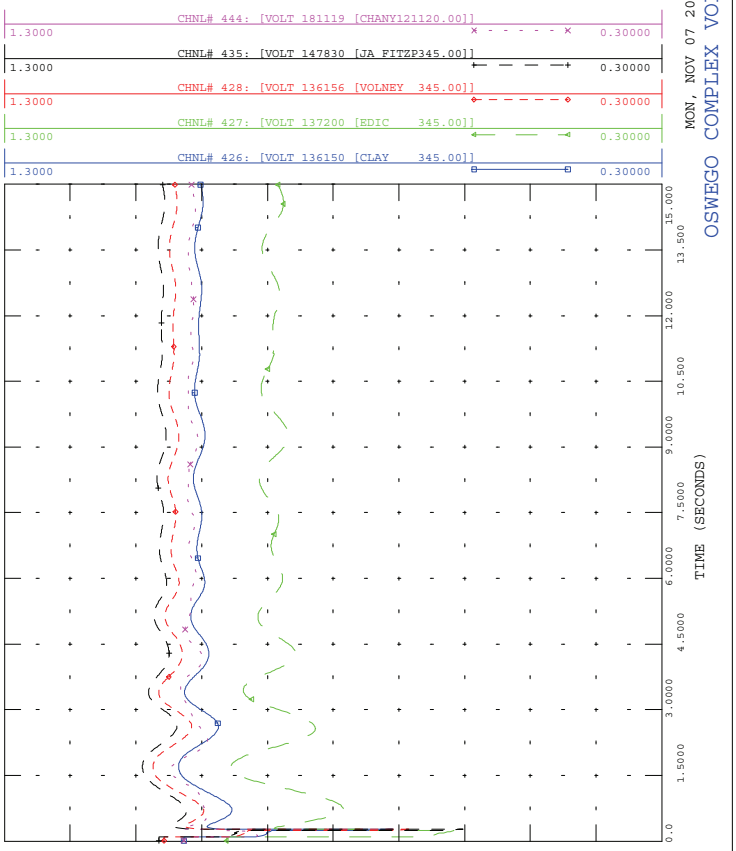
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

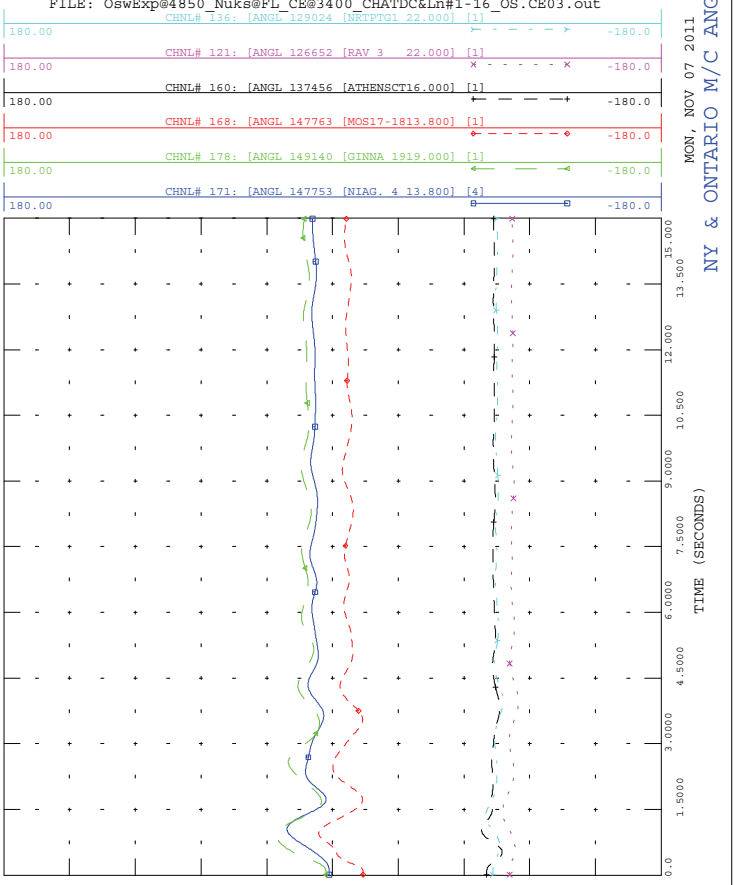
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE03.out



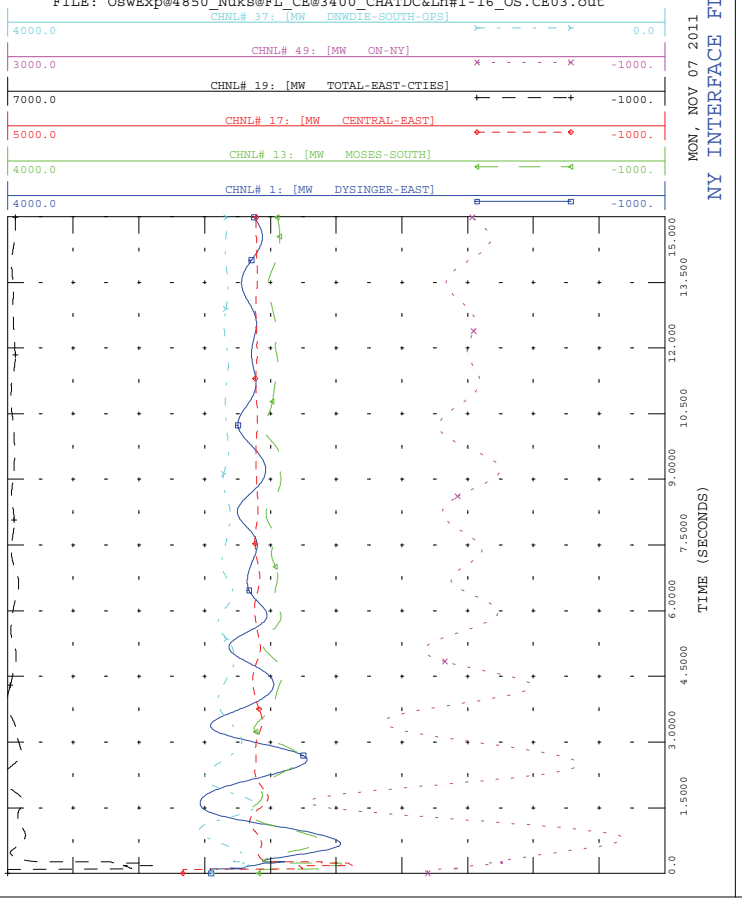
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE03.out



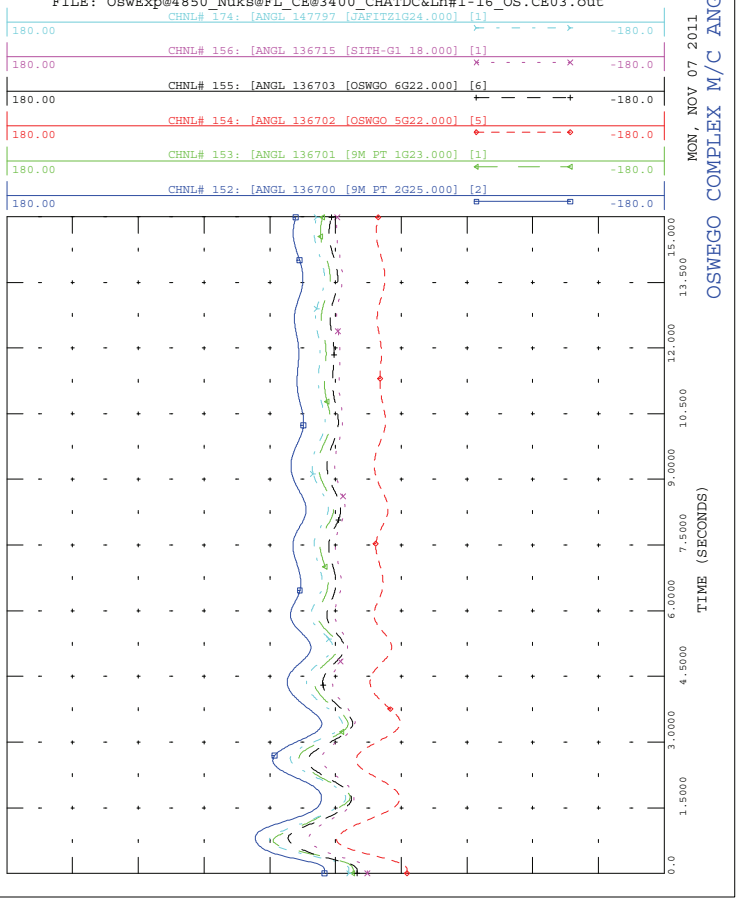
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

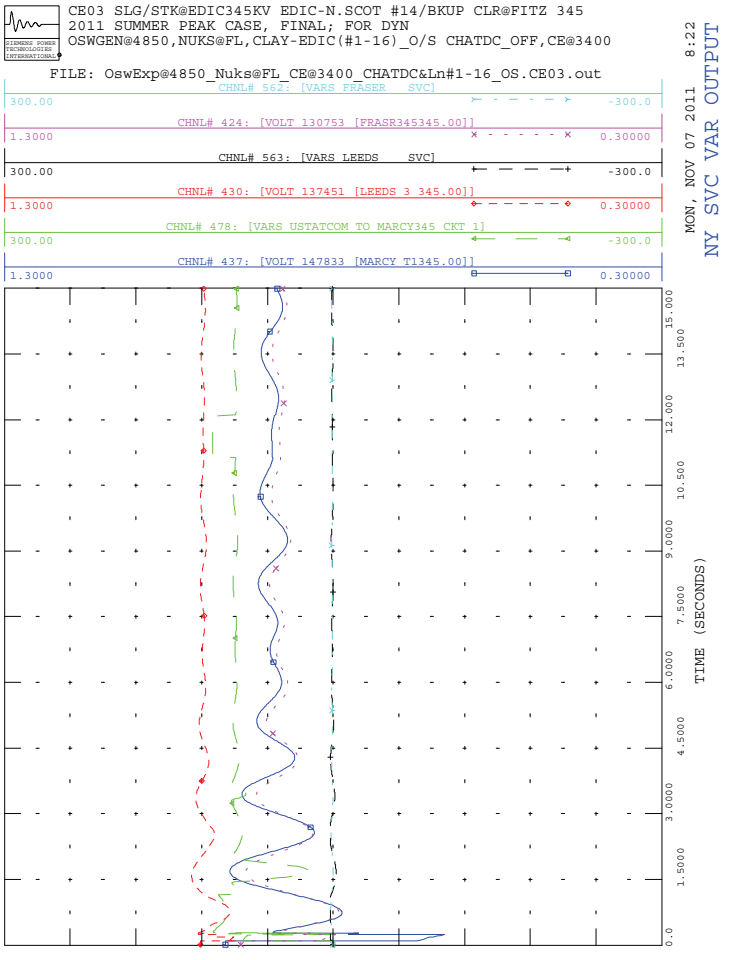
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE03.out

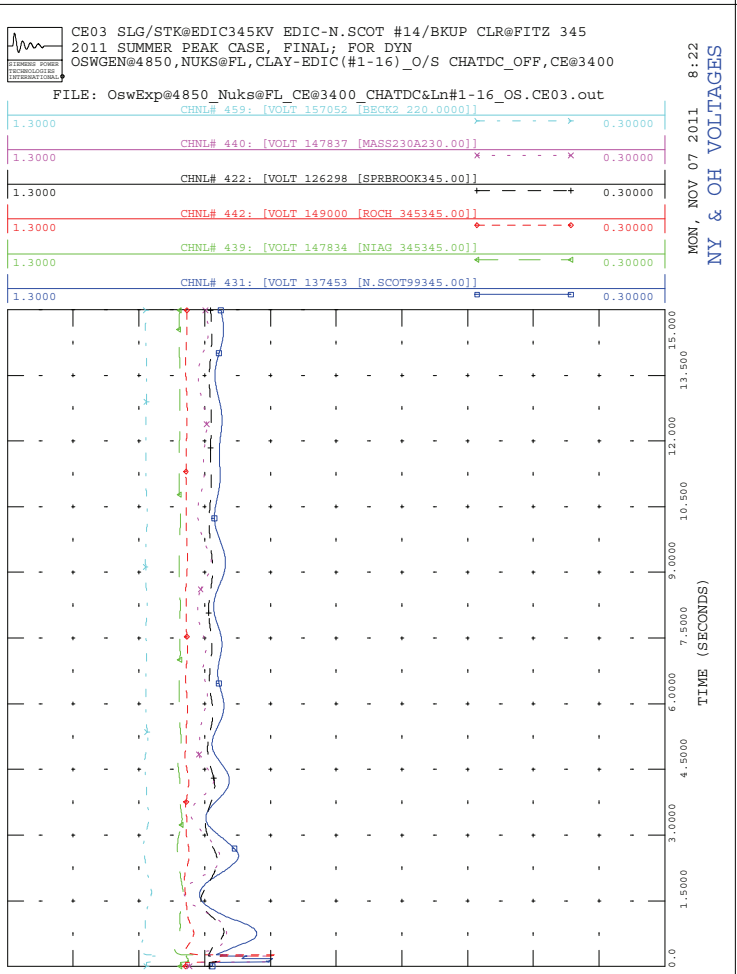


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE03.out




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
MON, NOV 07 2011 8:22
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

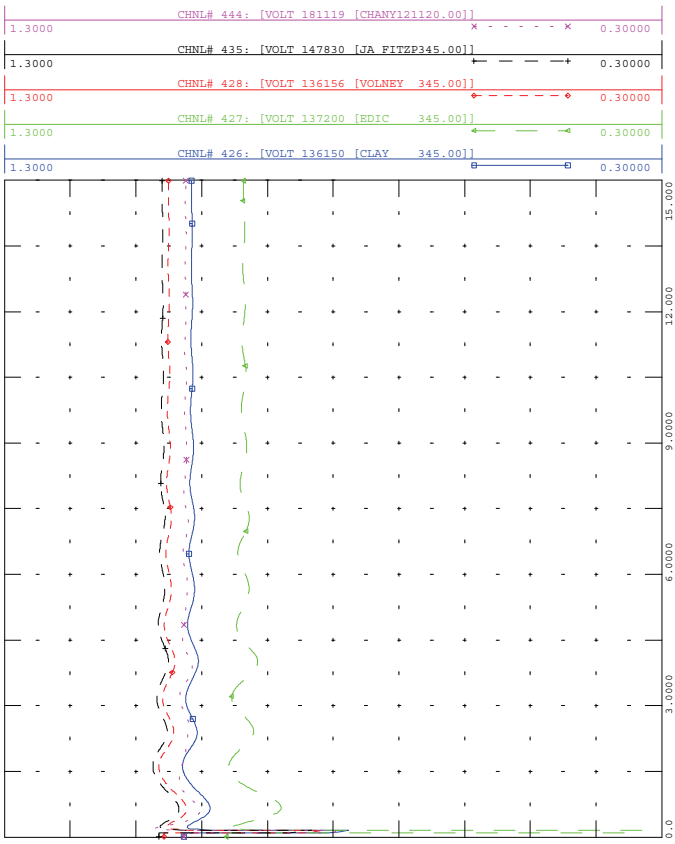

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
MON, NOV 07 2011 8:22
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE07.out

MON, NOV 07 2011 8:22

OSWEGO COMPLEX VOLTAGES

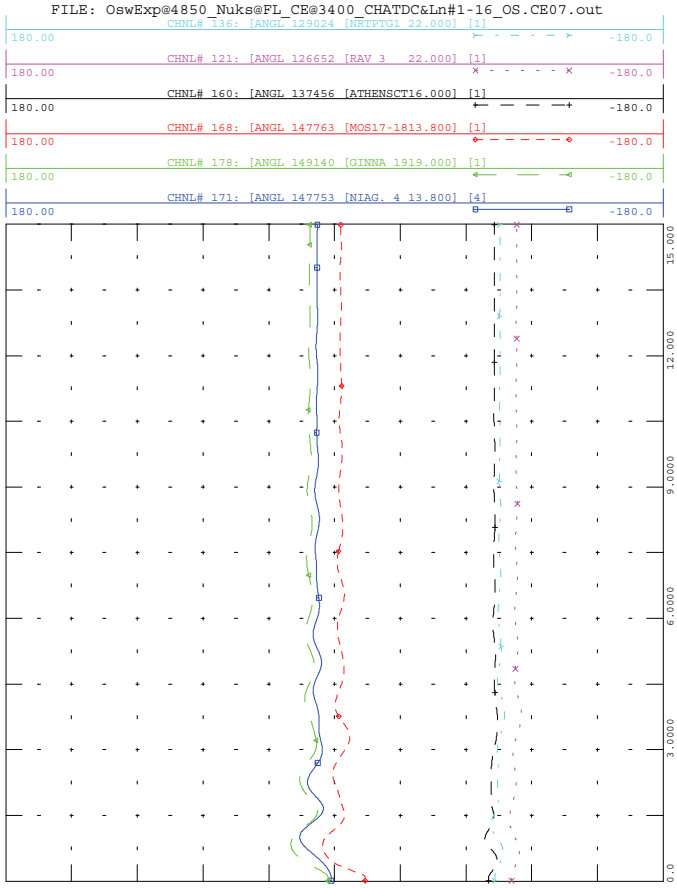


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE07.out

MON, NOV 07 2011 8:22

NY & ONTARIO M/C ANGLES

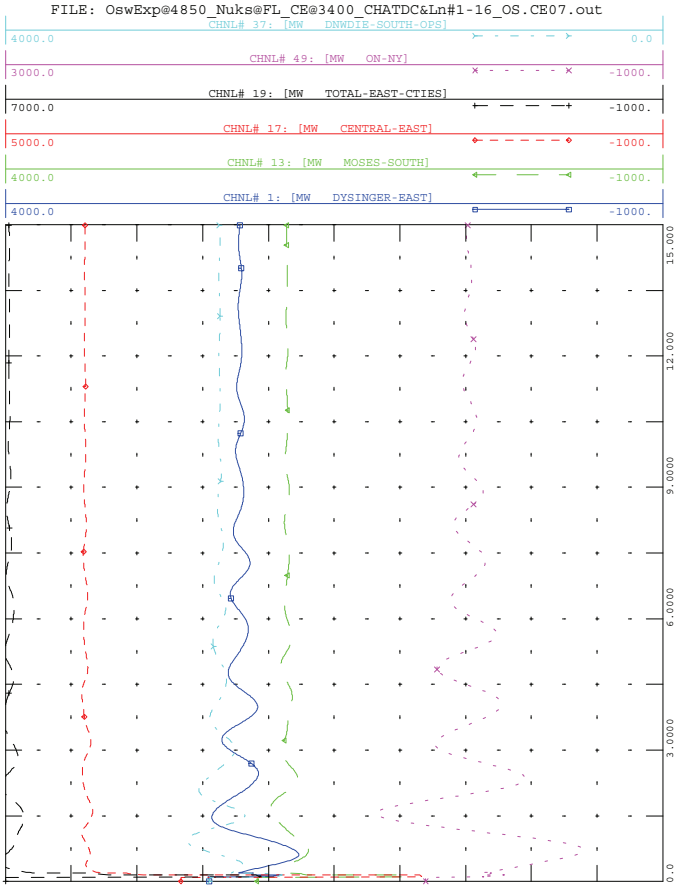


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE07.out

MON, NOV 07 2011 8:22

NY INTERFACE FLOWS

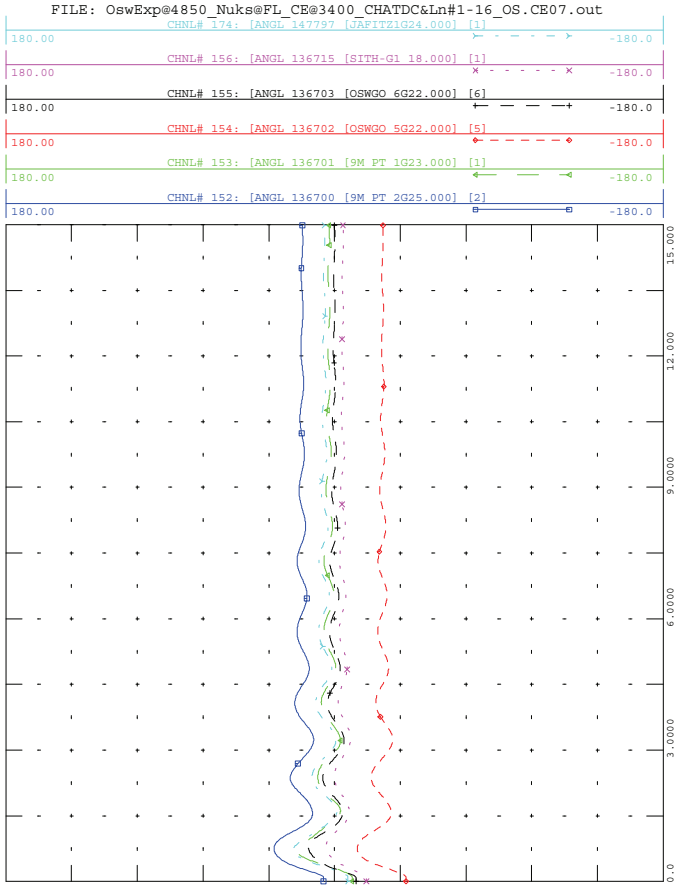


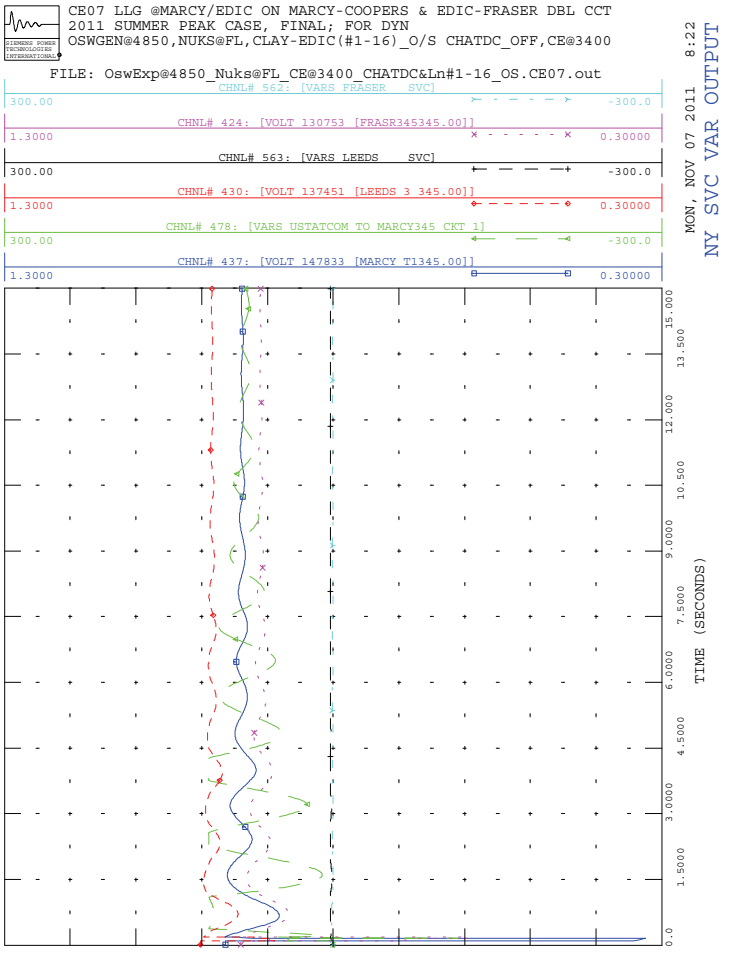
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

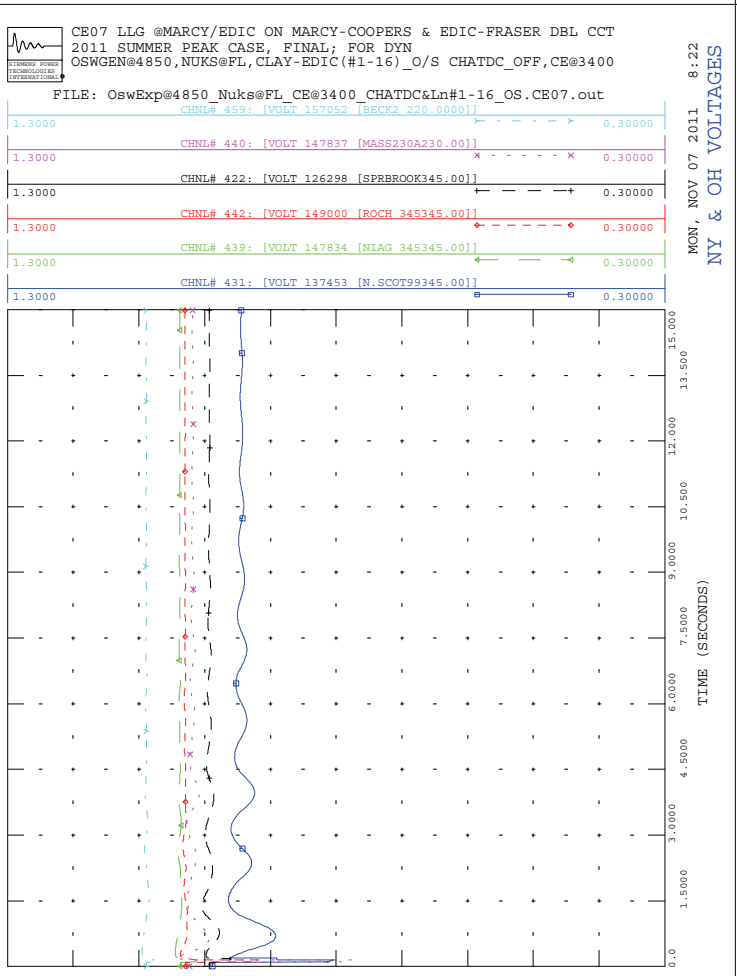
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE07.out

MON, NOV 07 2011 8:22

OSWEGO COMPLEX M/C ANGLES

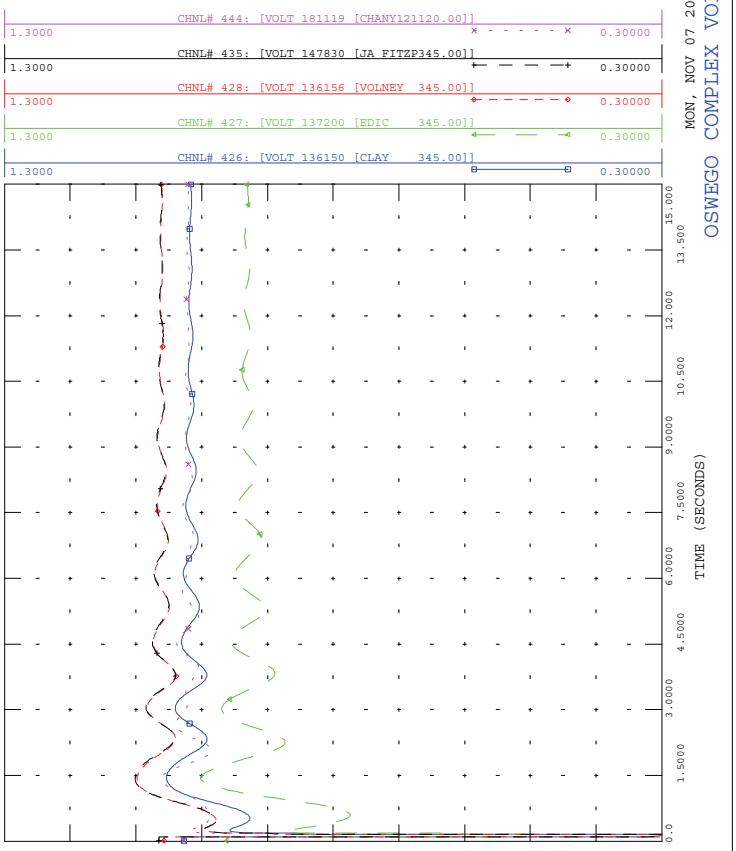



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 07 2011 8:22
NY SVC VAR OUTPUT


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 07 2011 8:22
NY & OH VOLTAGES

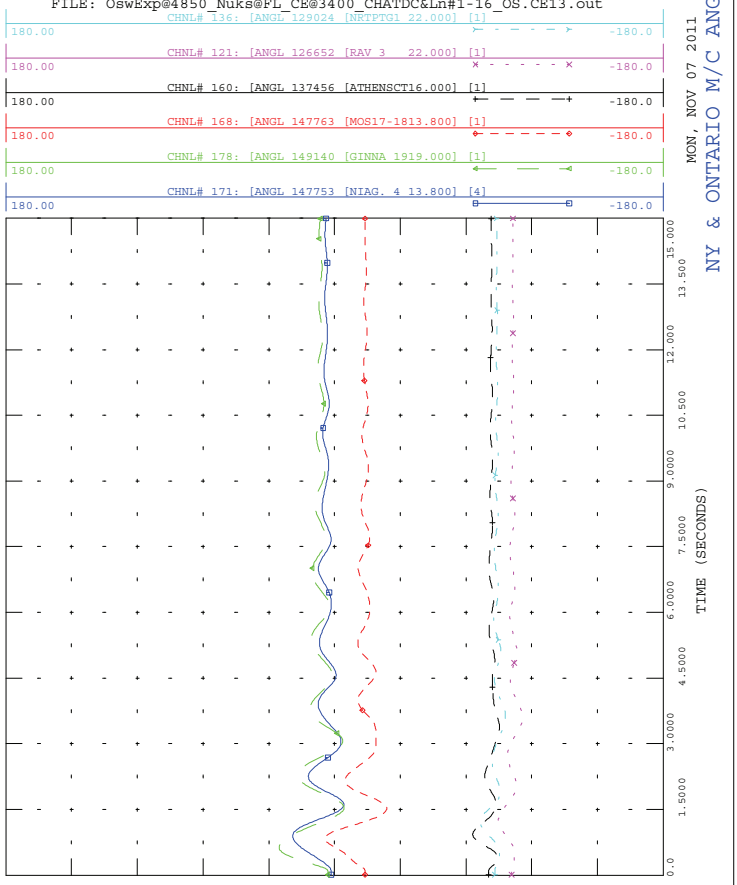
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE13.out



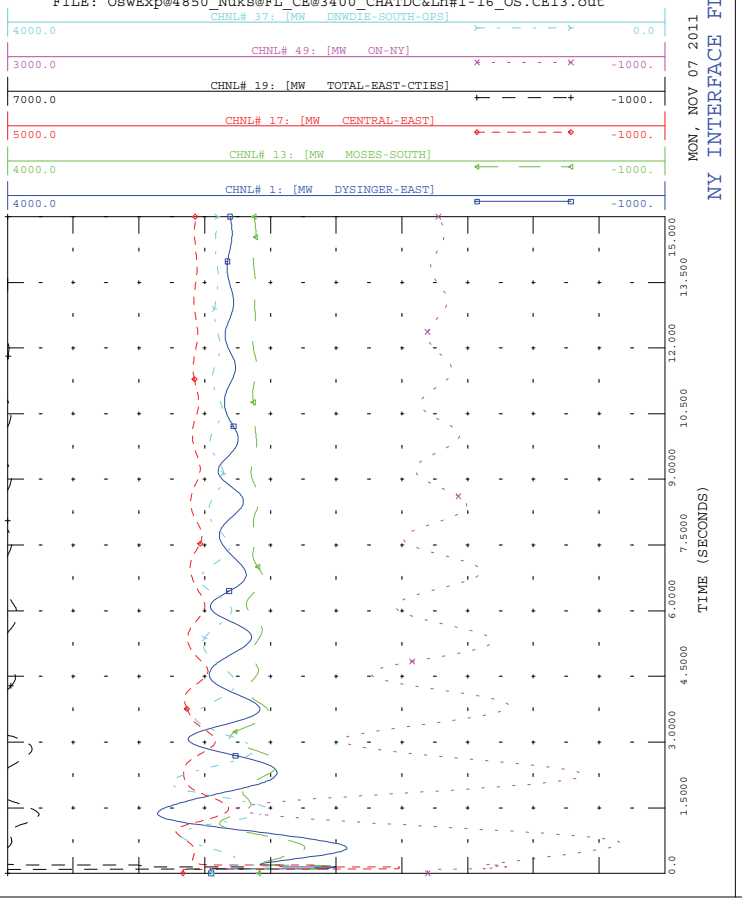
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE13.out



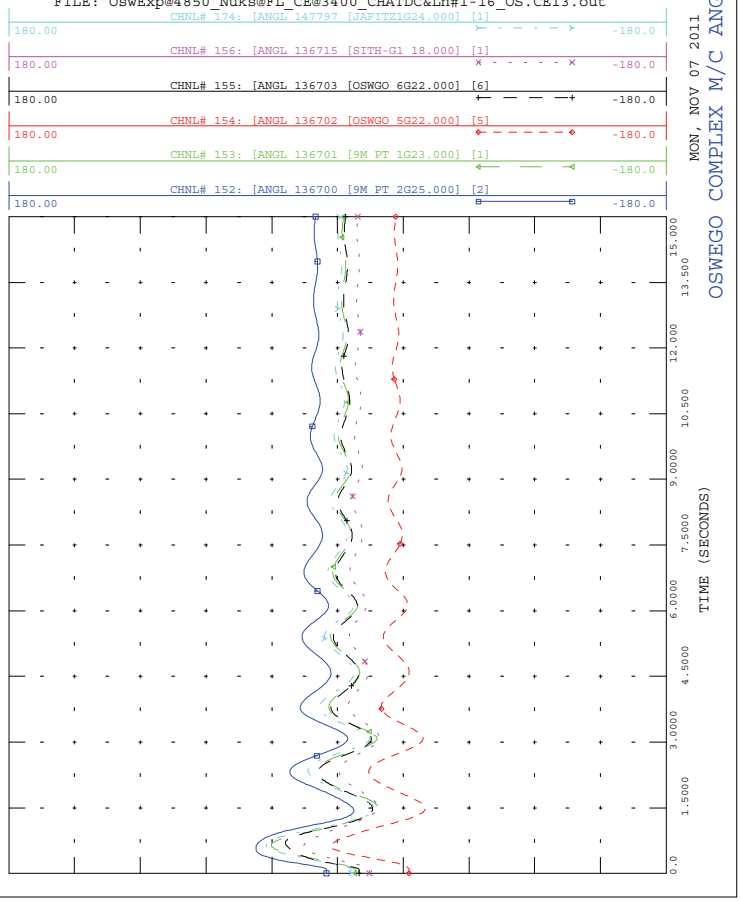
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

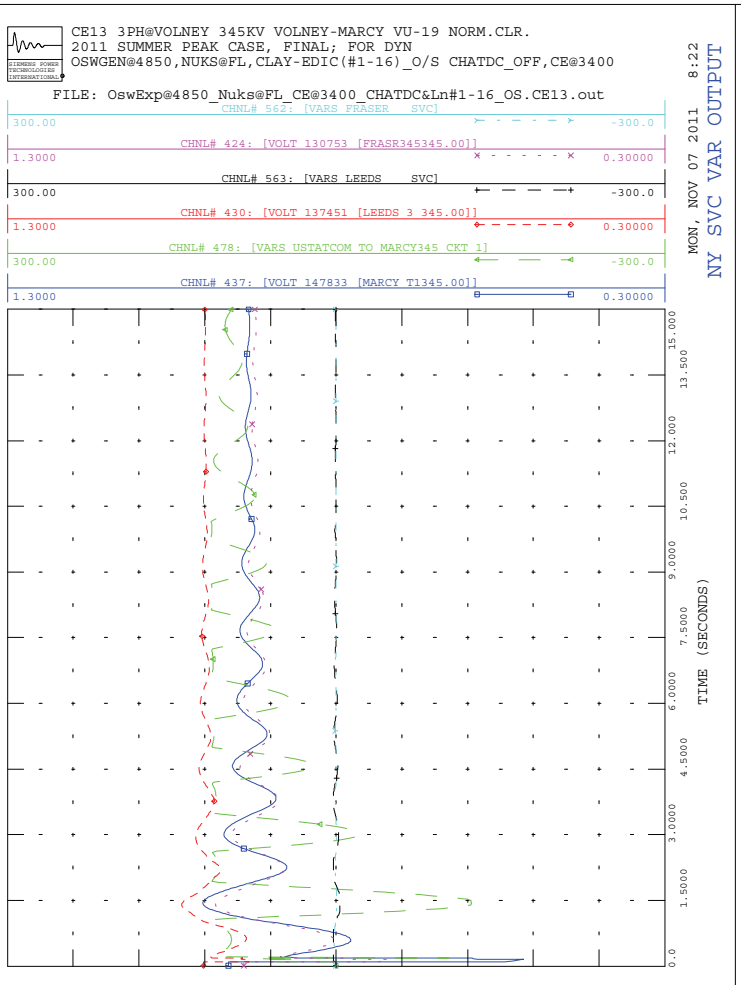
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE13.out

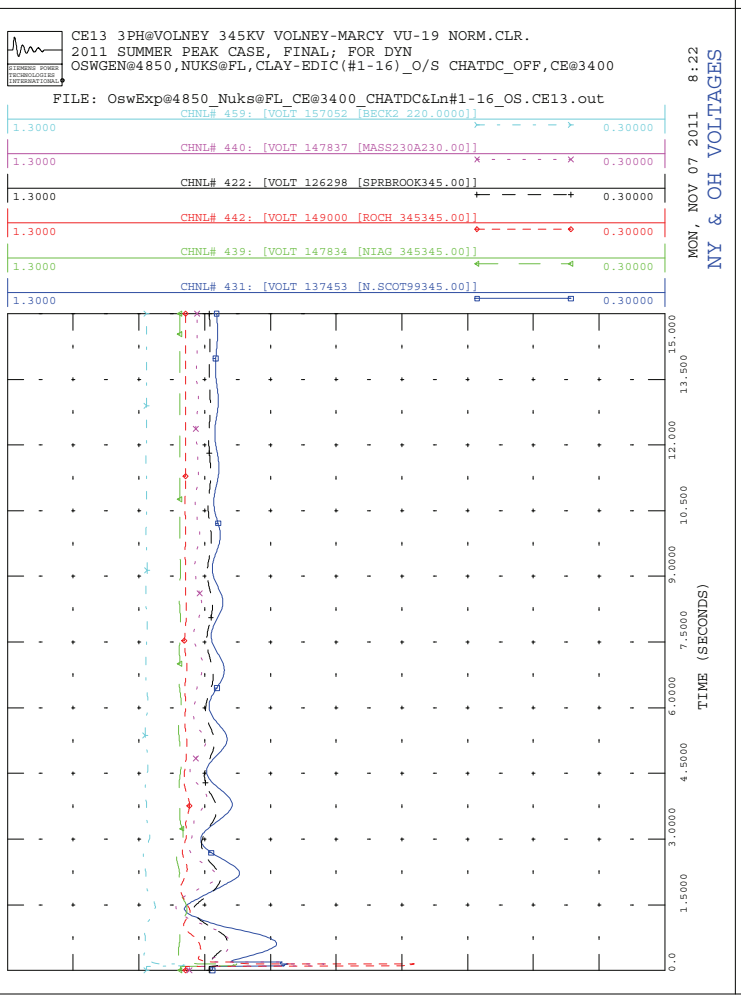


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE13.out

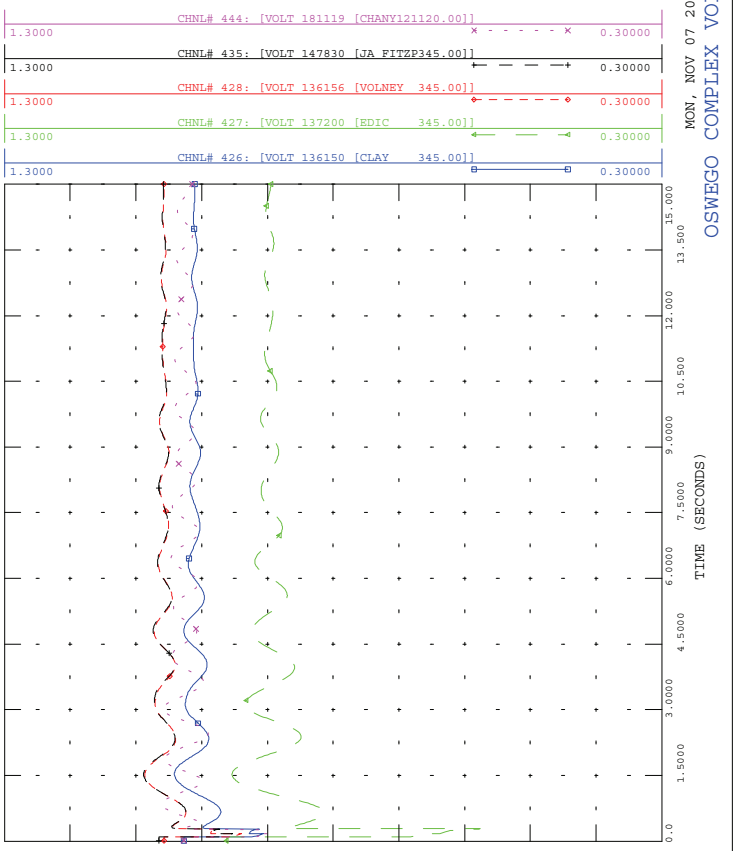



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
MON, NOV 07 2011 8:22
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
MON, NOV 07 2011 8:22
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

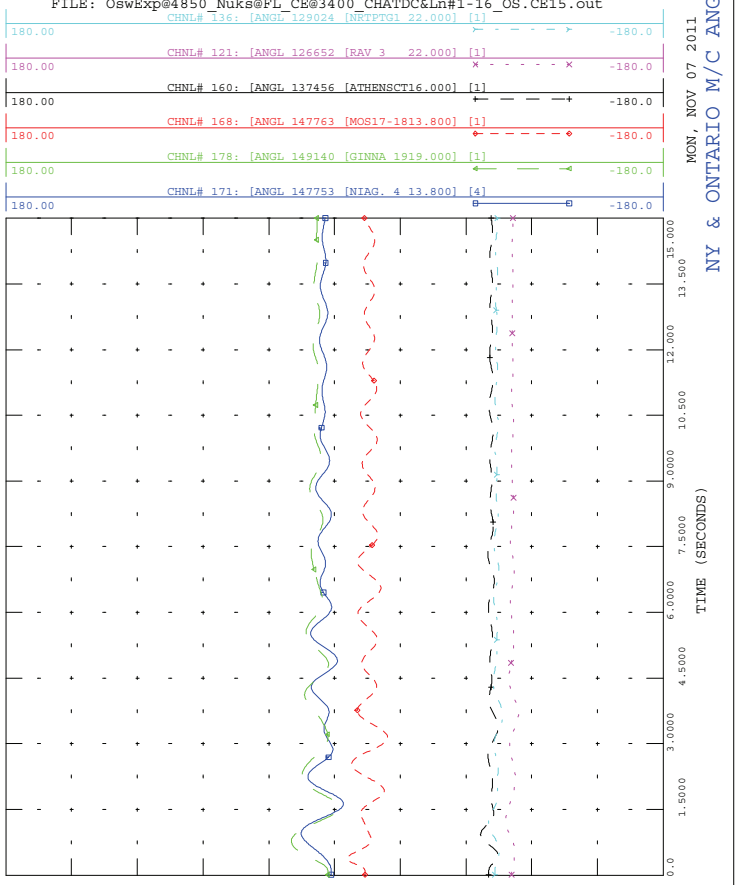
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE15.out



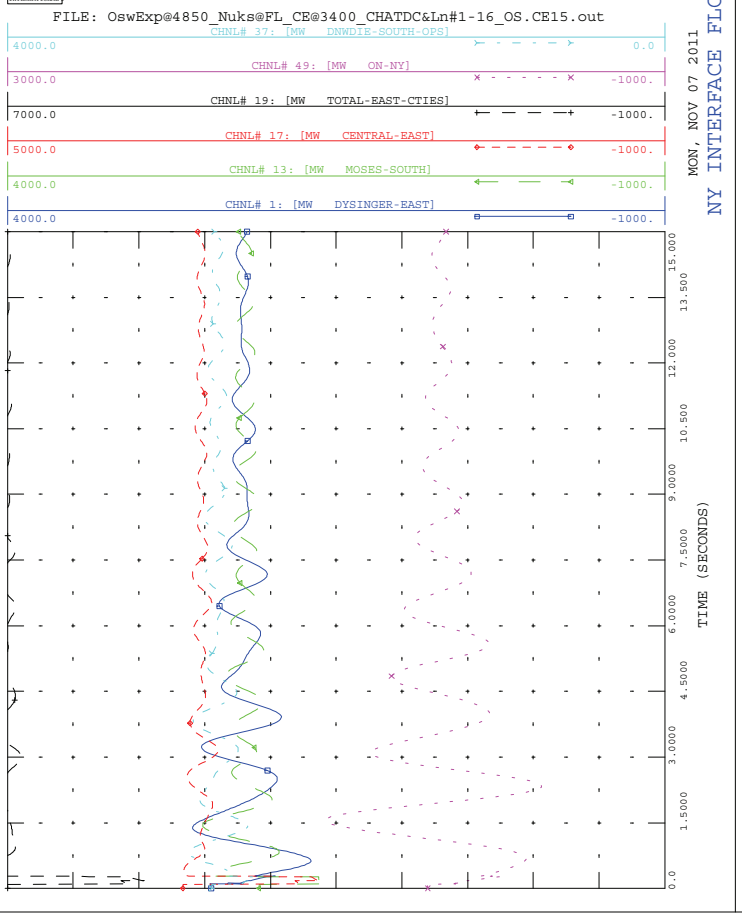
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE15.out



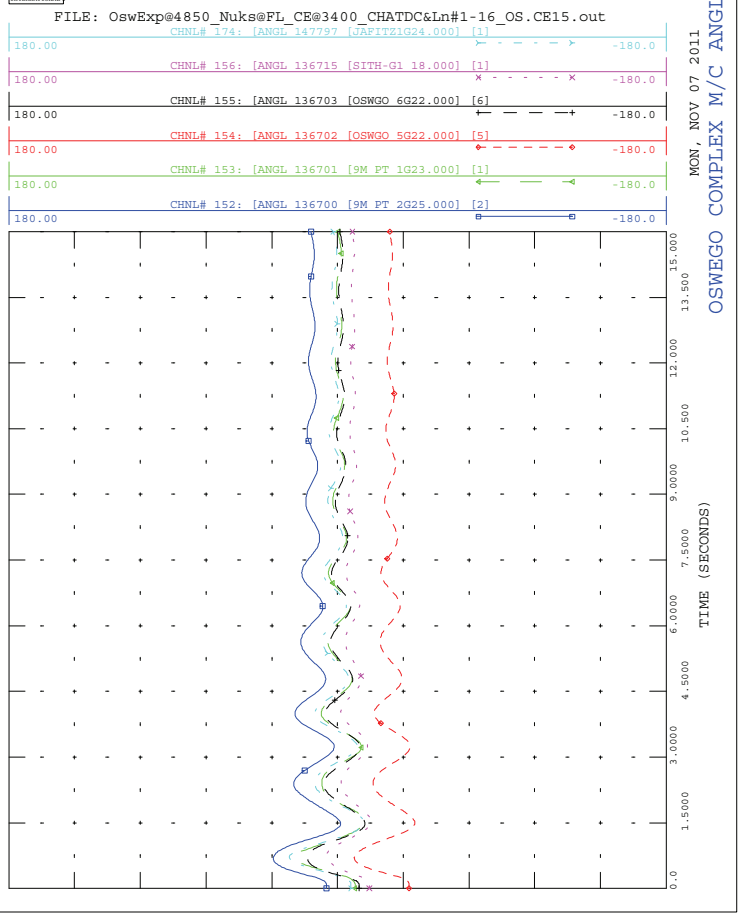
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE15.out



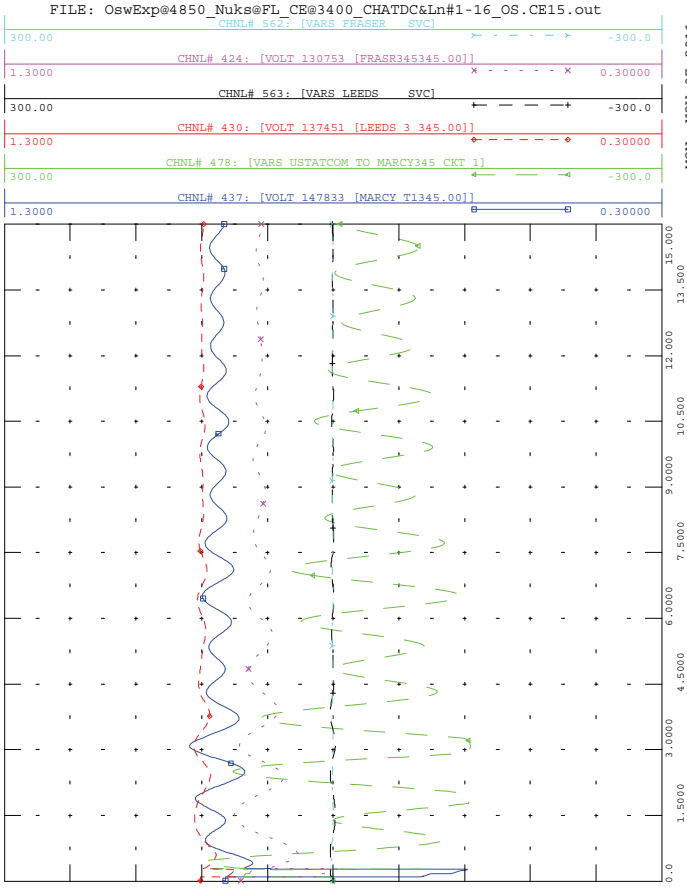
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE15.out



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE15.out

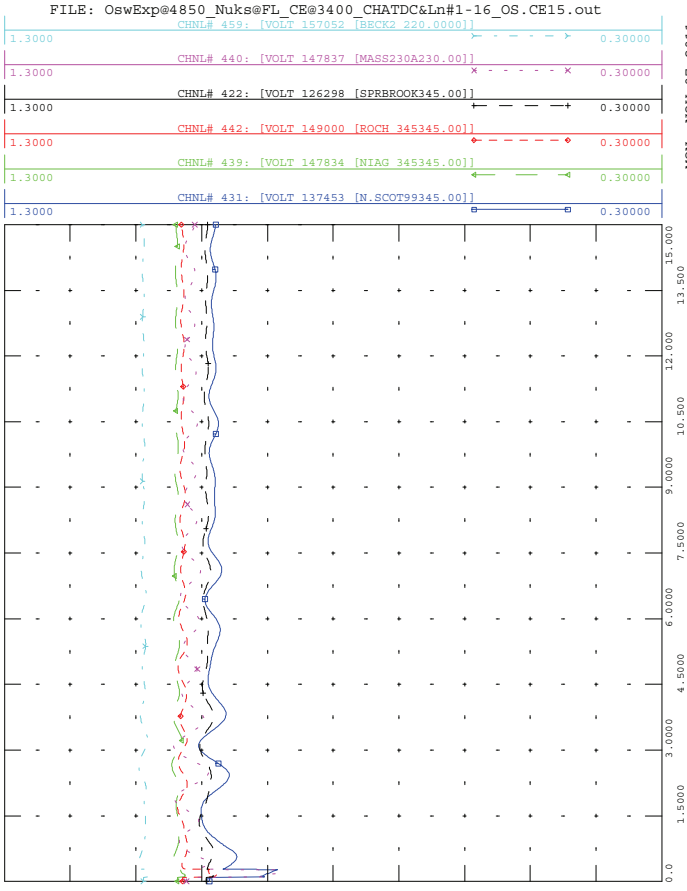


MON, NOV 07 2011 8:22

NY SVC VAR OUTPUT

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE15.out

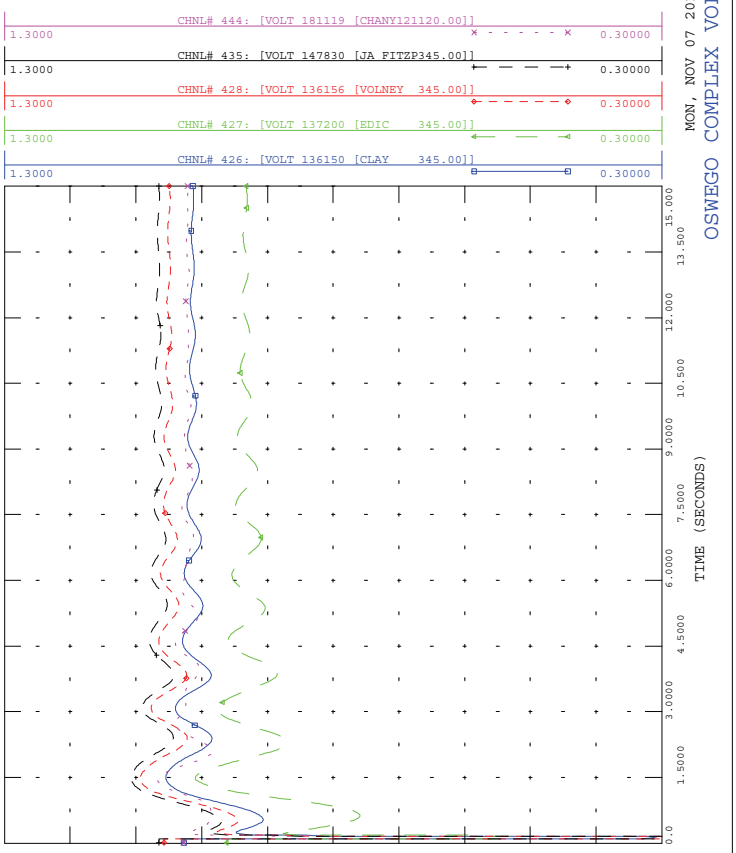


MON, NOV 07 2011 8:22

NY & OH VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE33.out

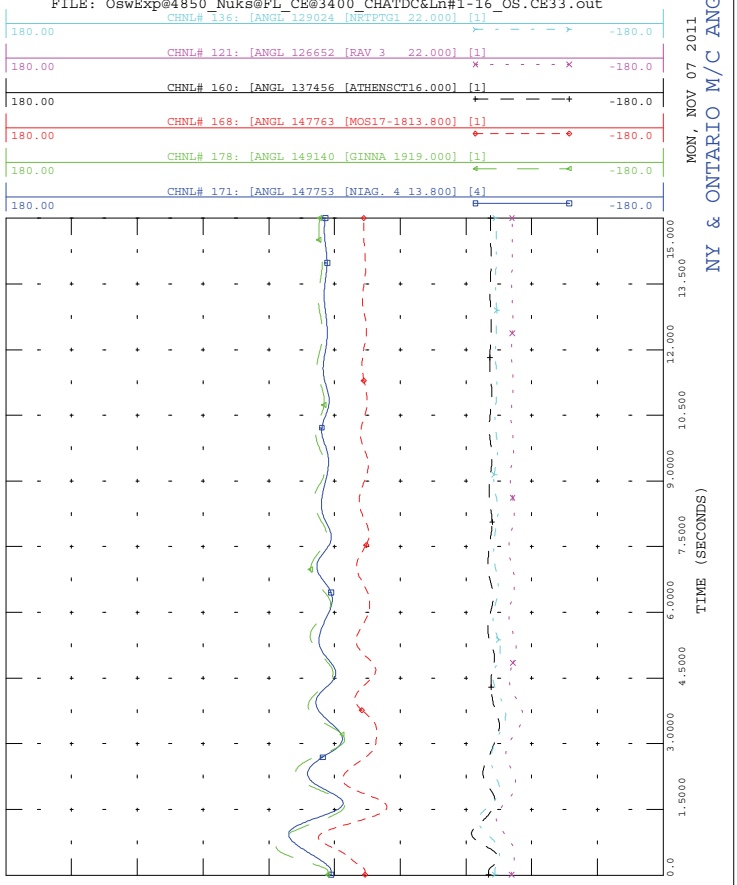


MON, NOV 07 2011 8:22

OSWEGO COMPLEX VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE33.out

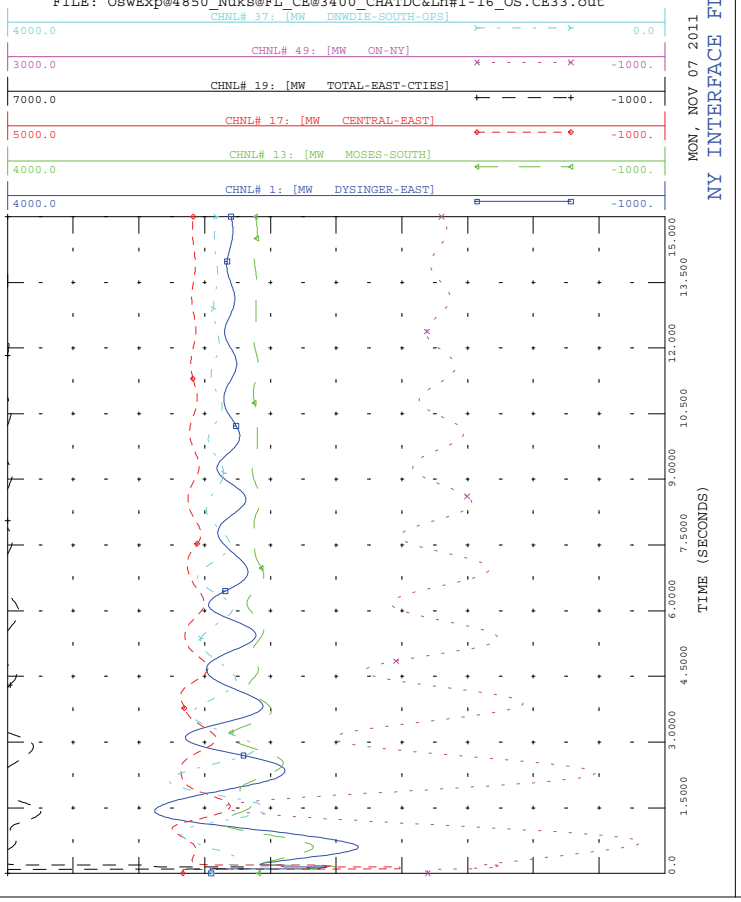


MON, NOV 07 2011 8:22

NY & ONTARIO M/C ANGLES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE33.out

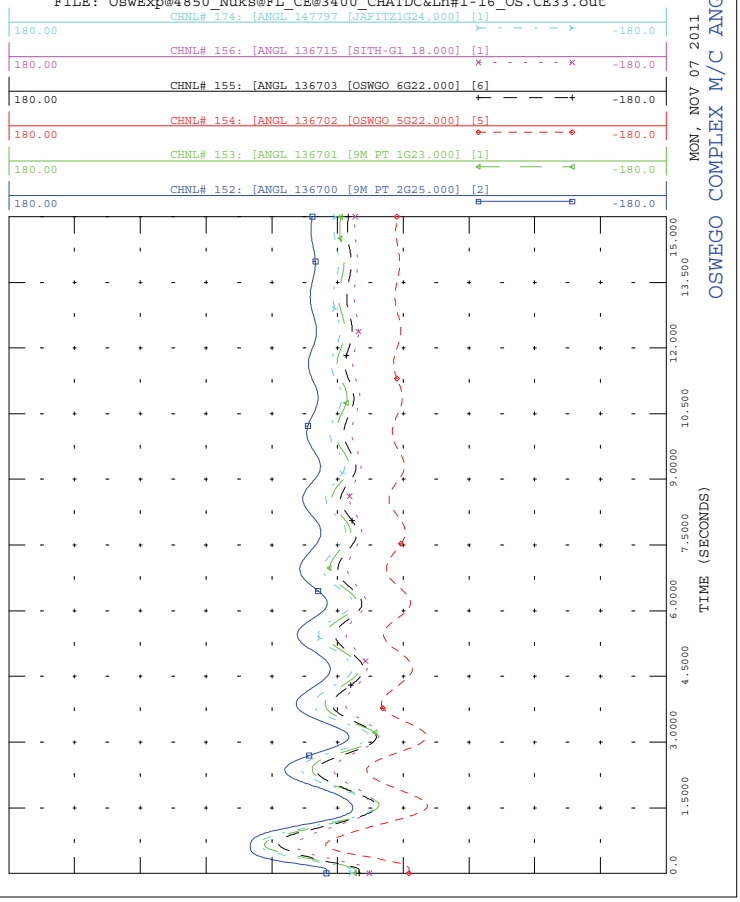


MON, NOV 07 2011 8:22

NY INTERFACE FLOWS

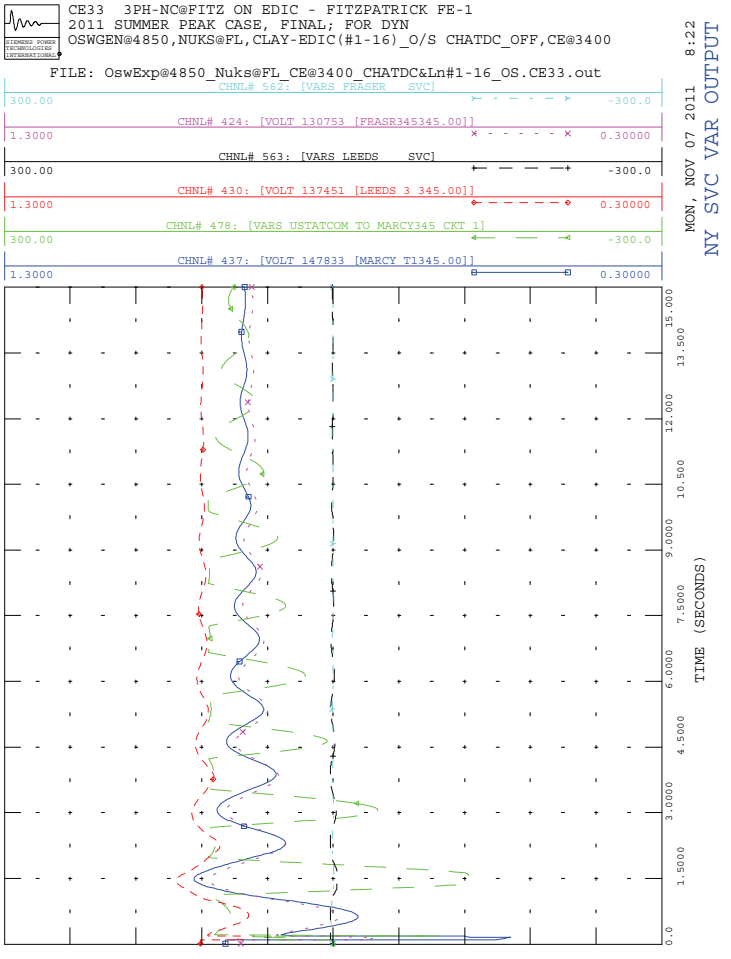
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

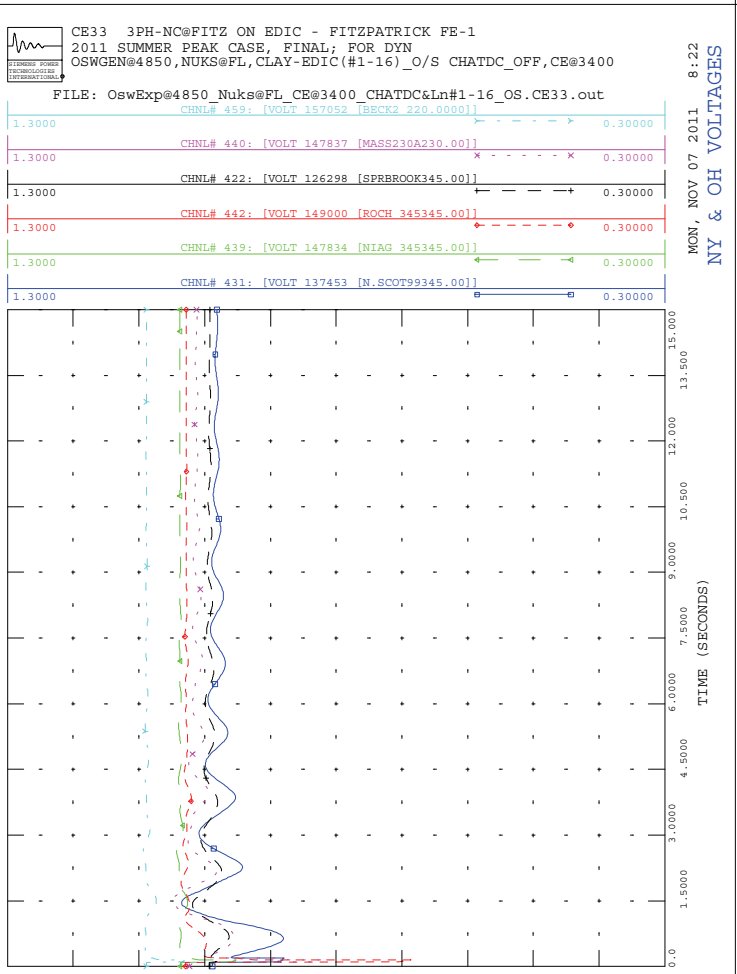
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE33.out



MON, NOV 07 2011 8:22

OSWEGO COMPLEX M/C ANGLES


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 07 2011 8:22
NY SVC VAR OUTPUT


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 07 2011 8:22
NY & OH VOLTAGES

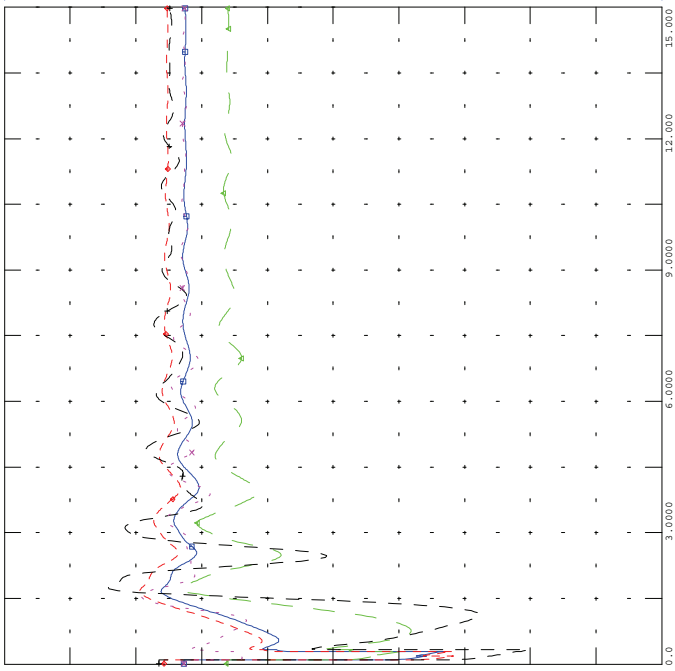
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE99.out

MON, NOV 07 2011 8:22

OSWEGO COMPLEX VOLTAGES

CHNL# 444: [VOLT 181119 [CHANY121120.00]] 1.3000 0.30000
CHNL# 435: [VOLT 147830 [JA FITZP345.00]] 1.3000 0.30000
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]] 1.3000 0.30000
CHNL# 427: [VOLT 137200 [EDIC 345.00]] 1.3000 0.30000
CHNL# 426: [VOLT 136150 [CLAY 345.00]] 1.3000 0.30000



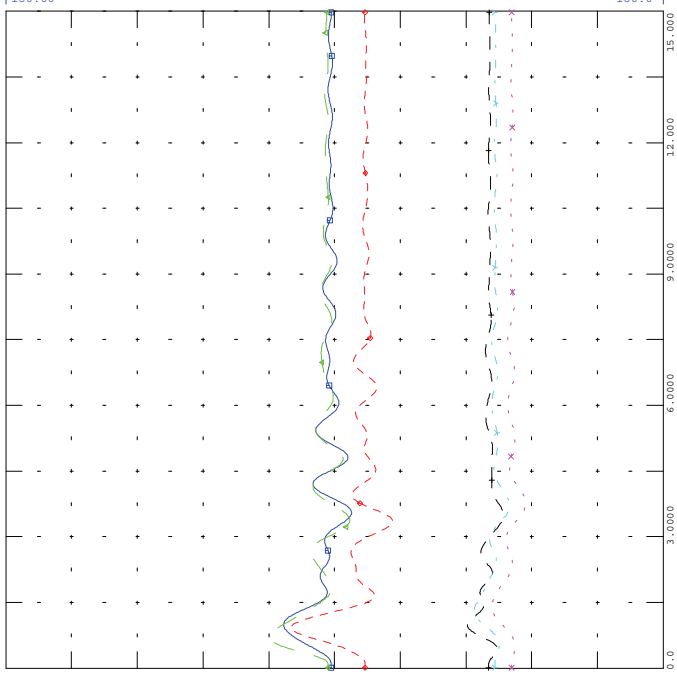
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE99.out

MON, NOV 07 2011 8:22

NY & ONTARIO M/C ANGLES

CHNL# 136: [ANGL 129024 [NRIPTG1 22.000]] [1] 180.00 -180.0
CHNL# 121: [ANGL 126652 [RAV 3 22.000]] [1] 180.00 -180.0
CHNL# 160: [ANGL 137456 [ATHENSCT16.000]] [1] 180.00 -180.0
CHNL# 168: [ANGL 147763 [MOS17-1813.800]] [1] 180.00 -180.0
CHNL# 178: [ANGL 149140 [GINNA 1919.000]] [1] 180.00 -180.0
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800]] [4] 180.00 -180.0



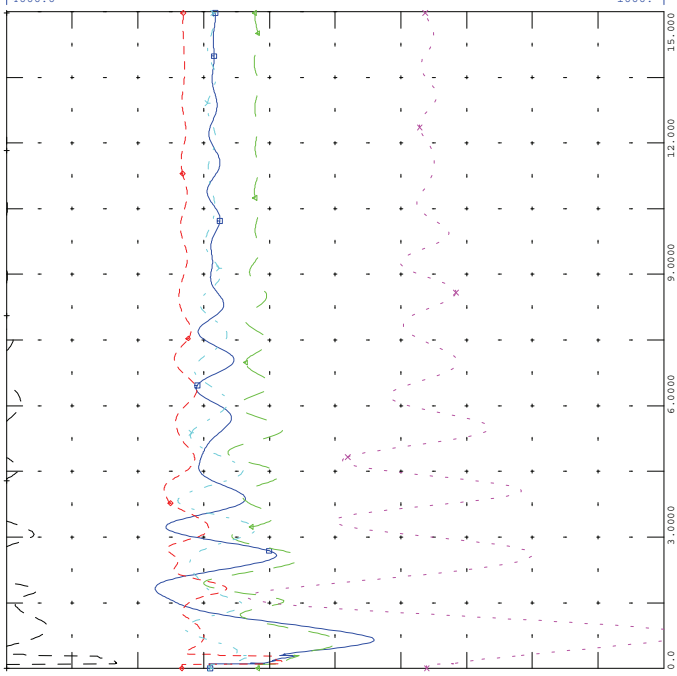
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE99.out

MON, NOV 07 2011 8:22

NY INTERFACE FLOWS

CHNL# 37: [MW DNWDIE-SOUTH-OPS] 4000.0 0.0
CHNL# 49: [MW ON-NY] 3000.0 -1000.
CHNL# 19: [MW TOTAL-EAST-CTIES] 7000.0 -1000.
CHNL# 17: [MW CENTRAL-EAST] 5000.0 -1000.
CHNL# 13: [MW MOSES-SOUTH] 4000.0 -1000.
CHNL# 1: [MW DYSINGER-EAST] 4000.0 -1000.



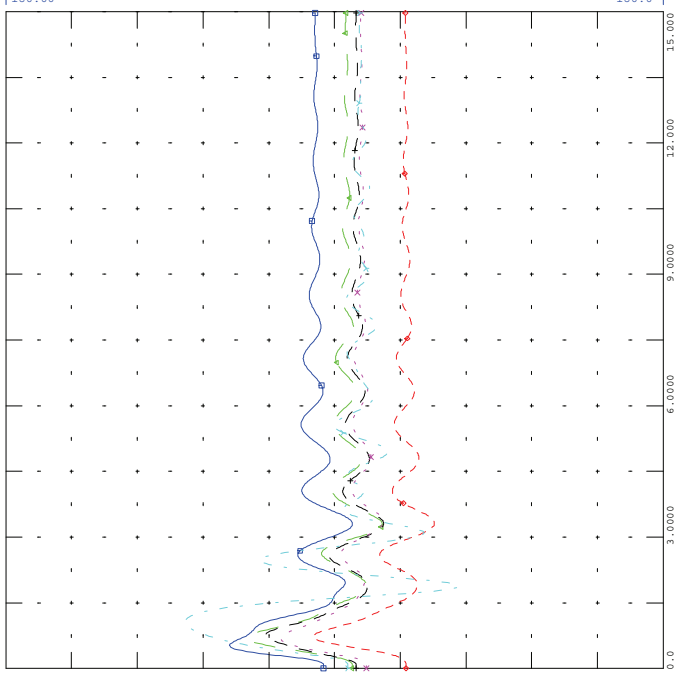
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

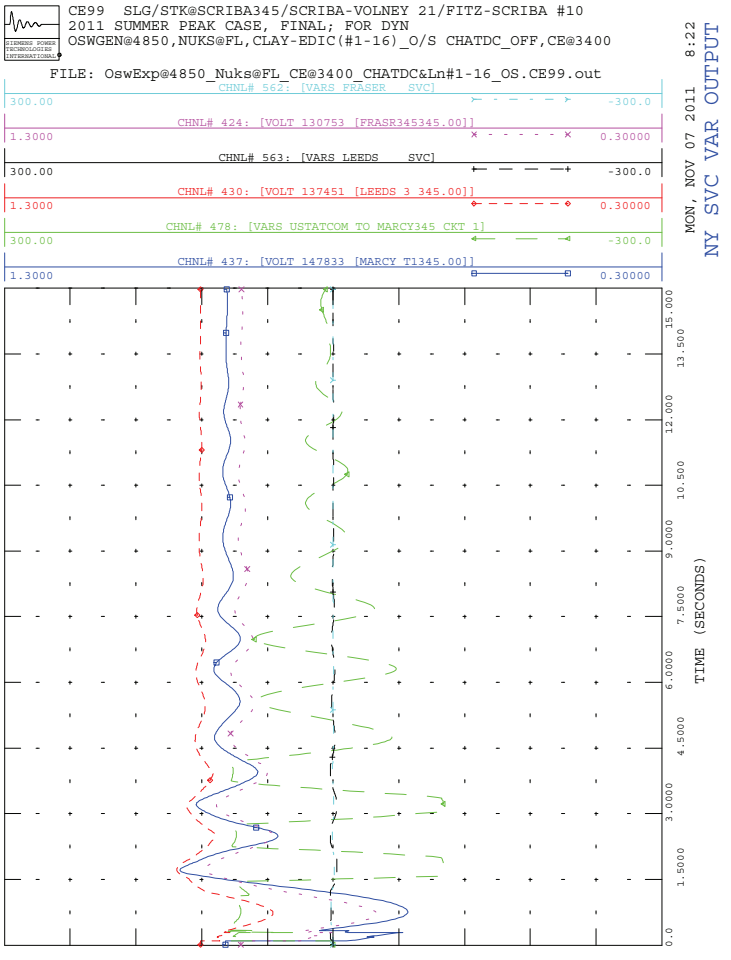
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE99.out

MON, NOV 07 2011 8:22

OSWEGO COMPLEX M/C ANGLES

CHNL# 174: [ANGL 147797 [JAFITZ1G24.000]] [1] 180.00 -180.0
CHNL# 156: [ANGL 136715 [SITH-G1 18.000]] [1] 180.00 -180.0
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000]] [6] 180.00 -180.0
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000]] [5] 180.00 -180.0
CHNL# 153: [ANGL 136701 [9M PT 1G23.000]] [1] 180.00 -180.0
CHNL# 152: [ANGL 136700 [9M PT 2G25.000]] [2] 180.00 -180.0




CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
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4.5000
6.0000
7.5000
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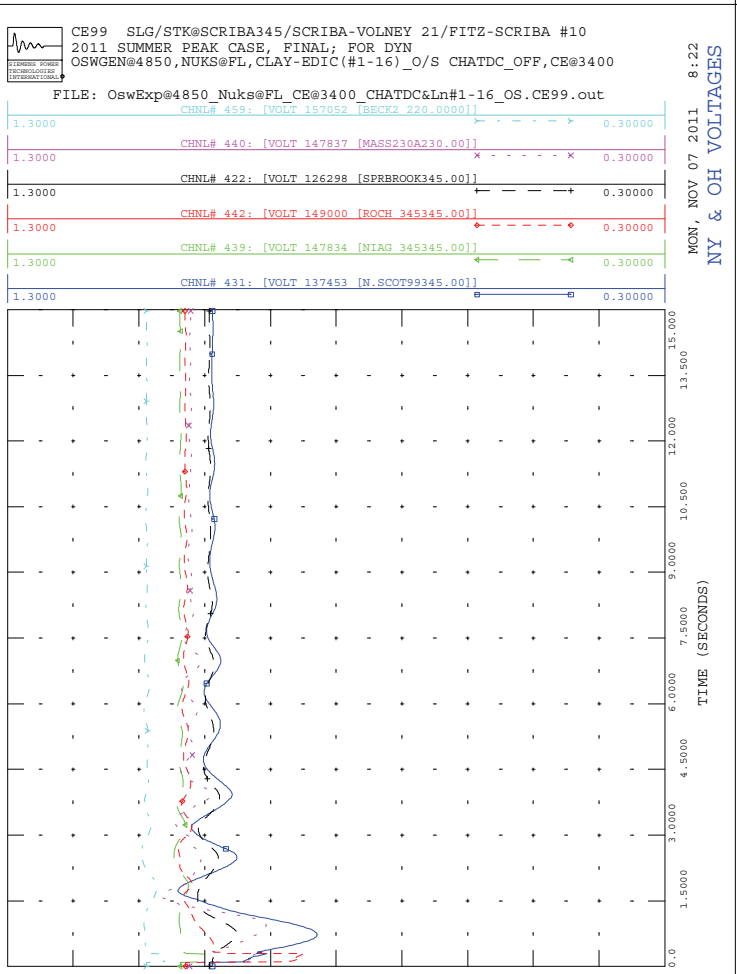
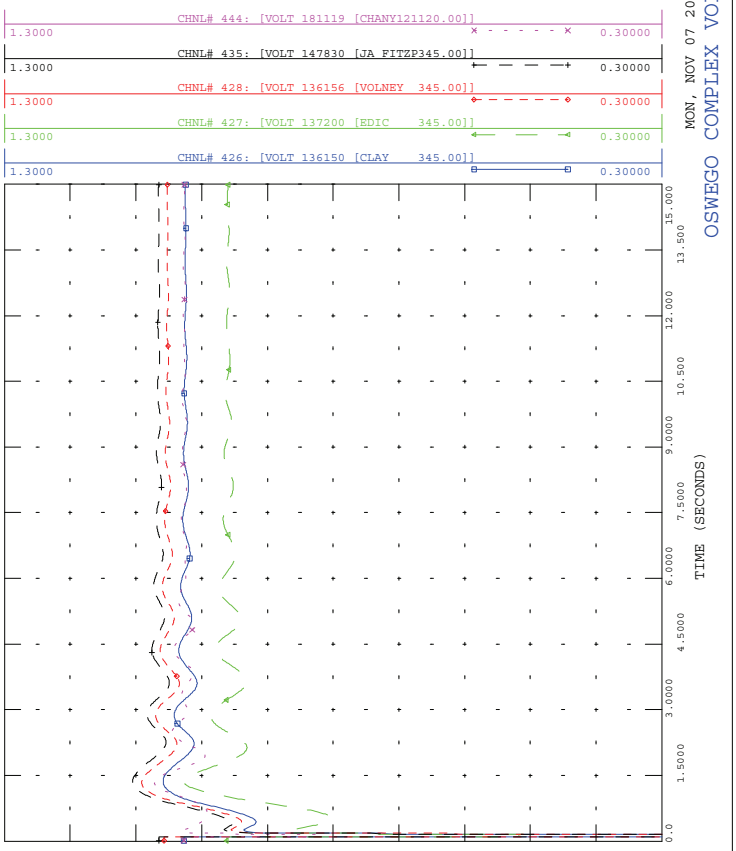
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 07 2011 8:22
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 07 2011 8:22
NY & OH VOLTAGES

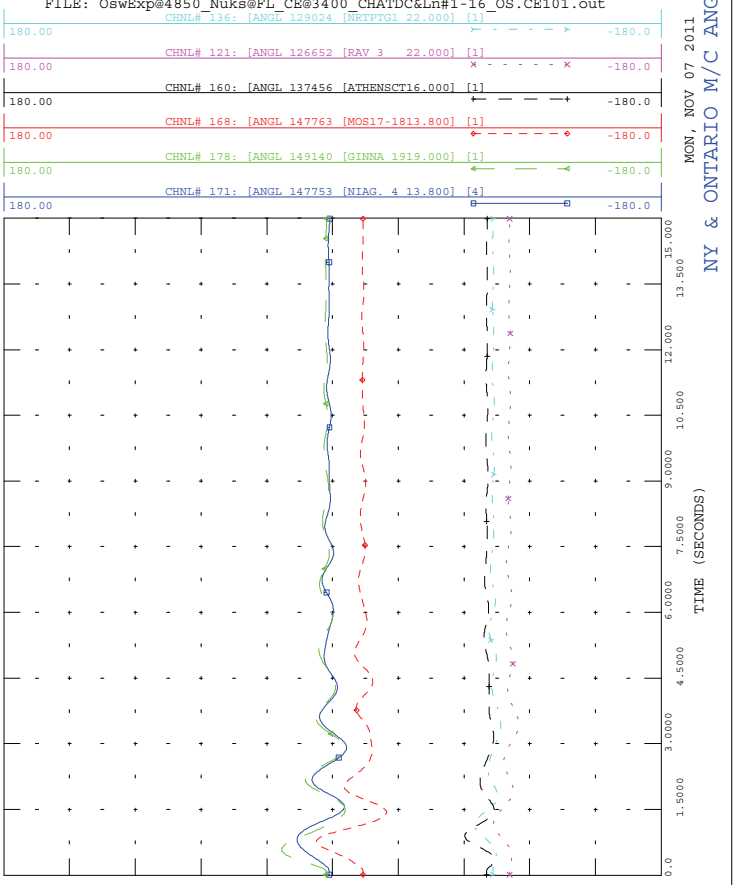
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE101.out



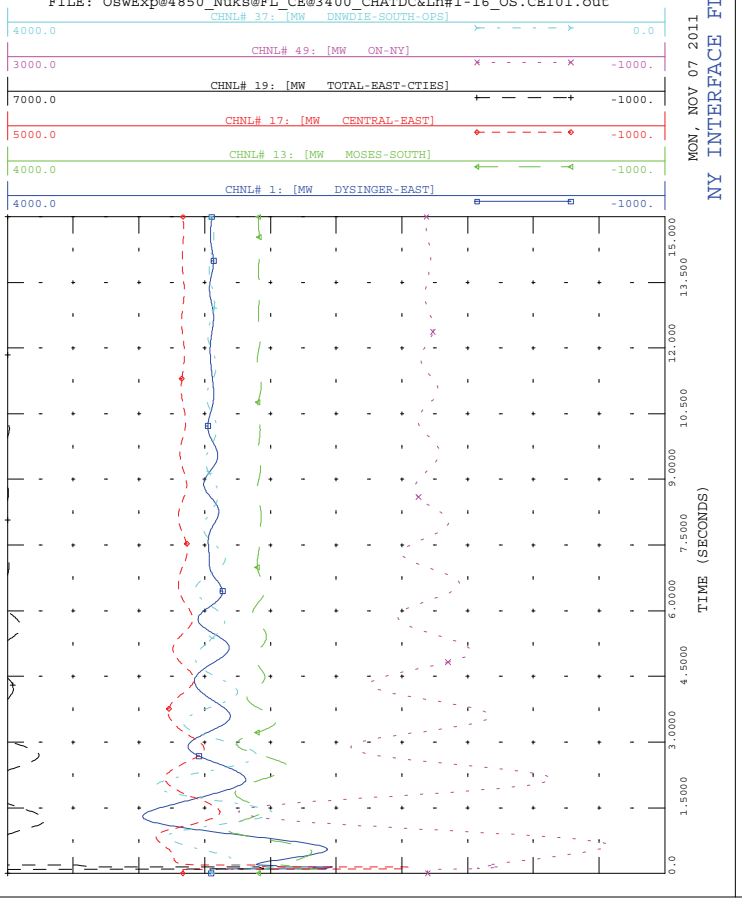
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE101.out



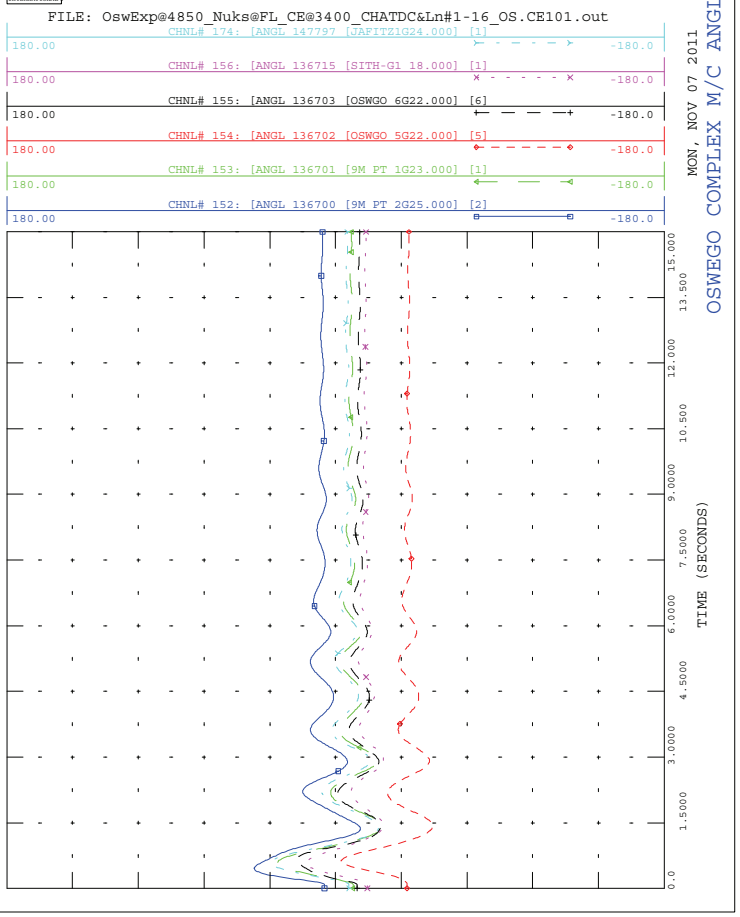
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

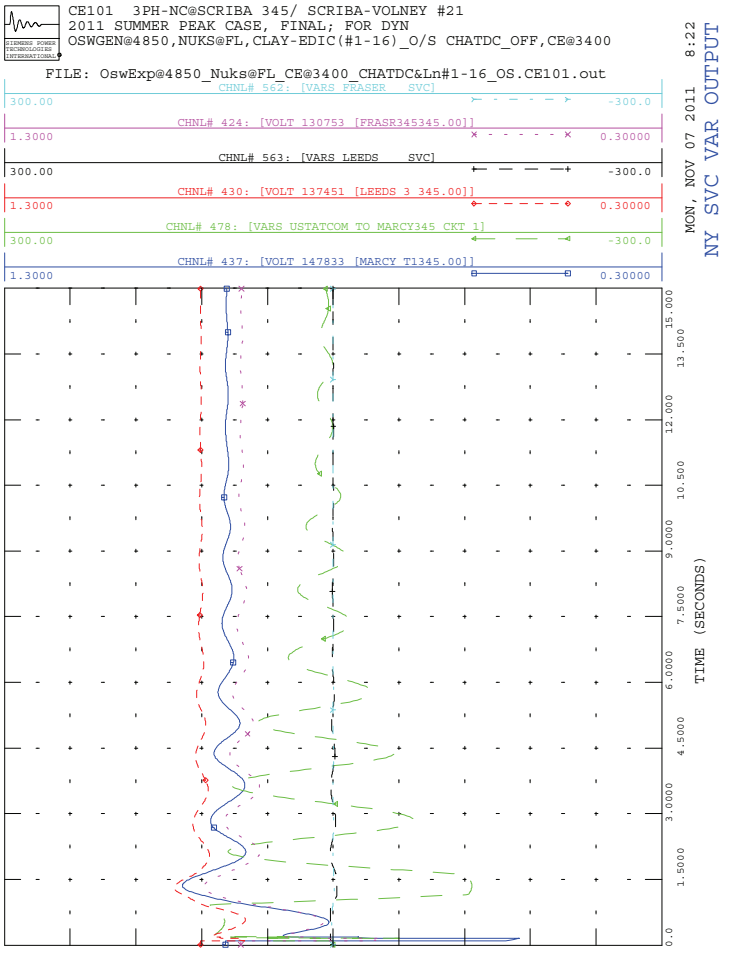
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE101.out

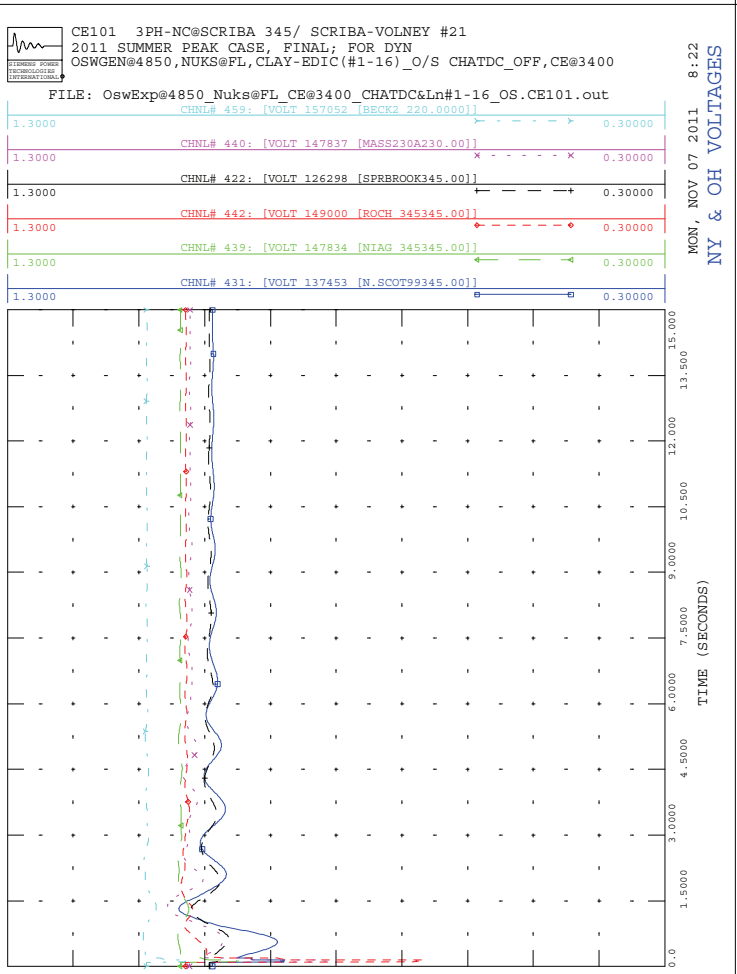


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE101.out

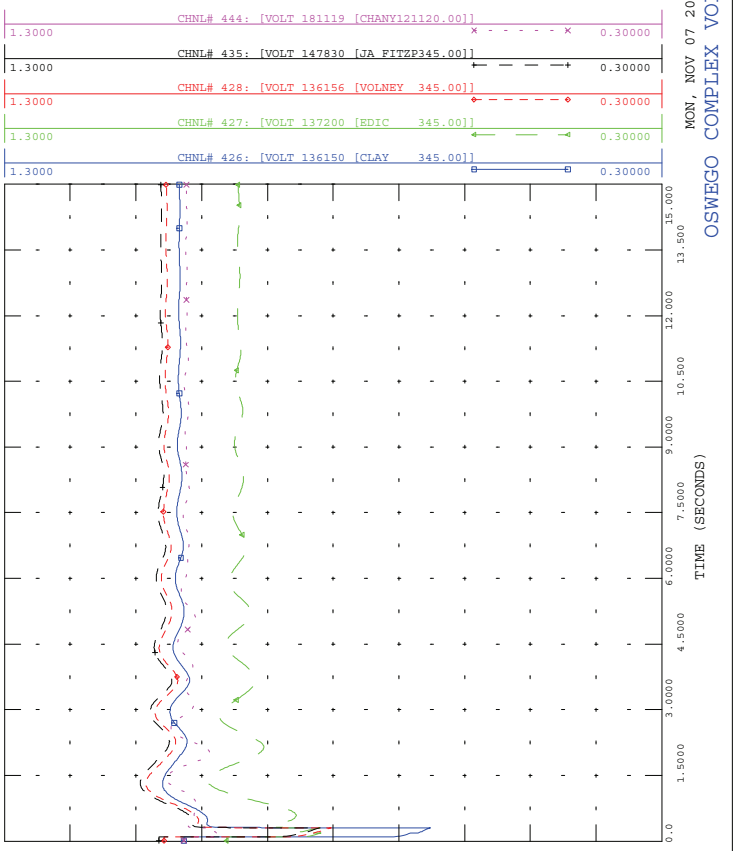



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE101.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
MON, NOV 07 2011 8:22
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.CE101.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
MON, NOV 07 2011 8:22
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

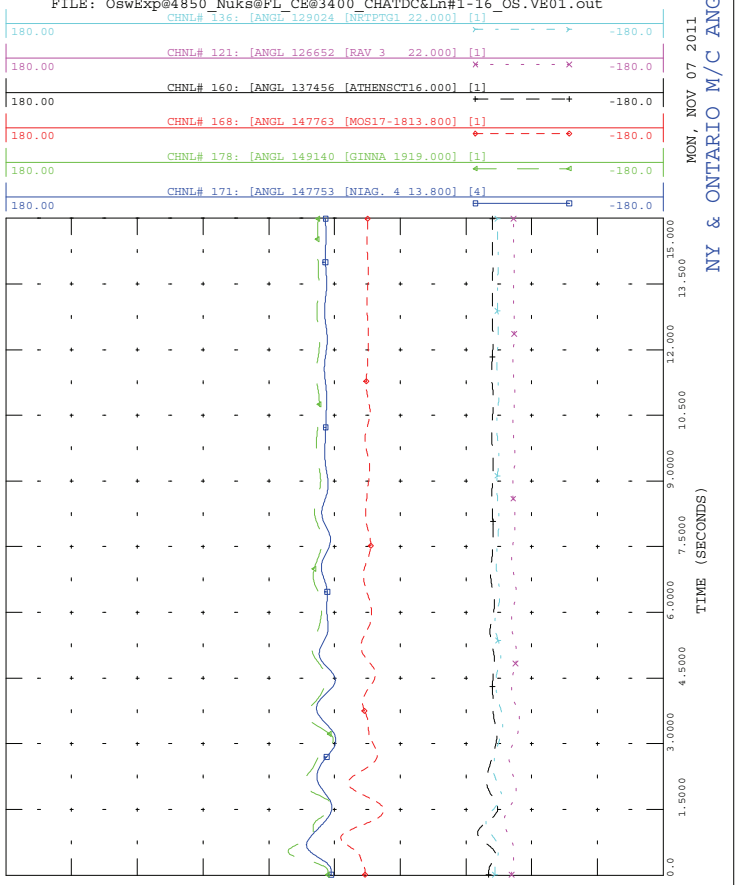
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.VE01.out



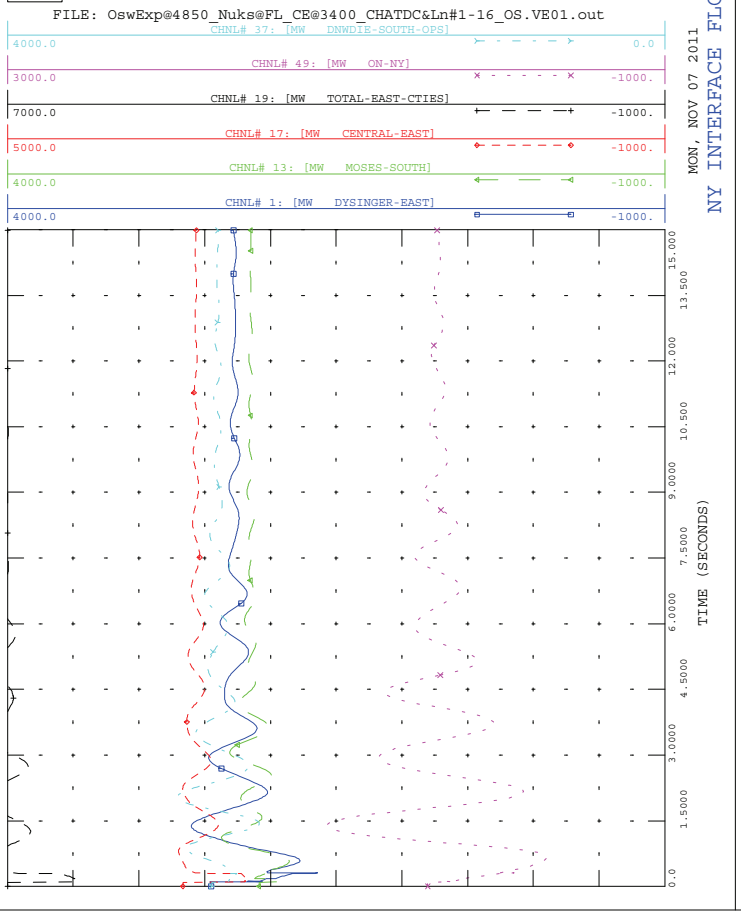
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.VE01.out



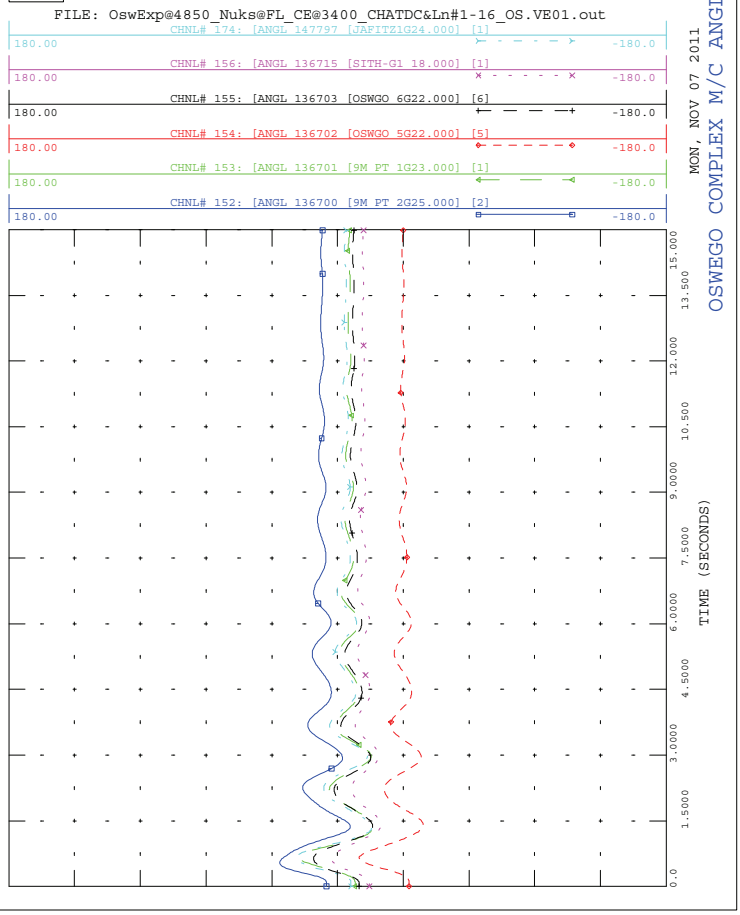
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.VE01.out



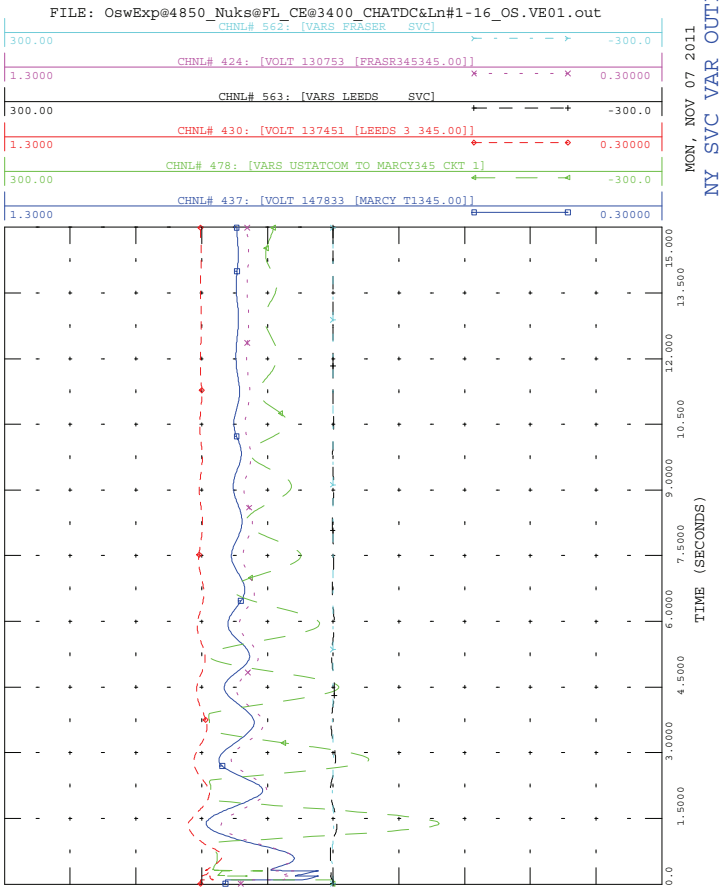
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.VE01.out

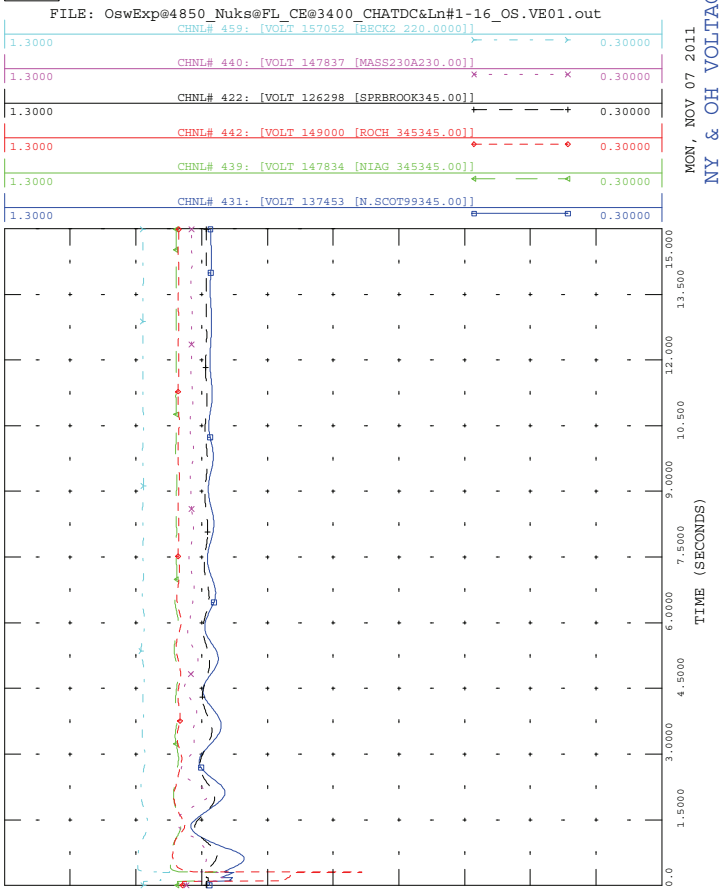


MON, NOV 07 2011 8:22

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4850,NUKS@FL,CLAY-EDIC(#1-16)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4850_Nuks@FL_CE@3400_CHATDC&Ln#1-16_OS.VE01.out



MON, NOV 07 2011 8:22

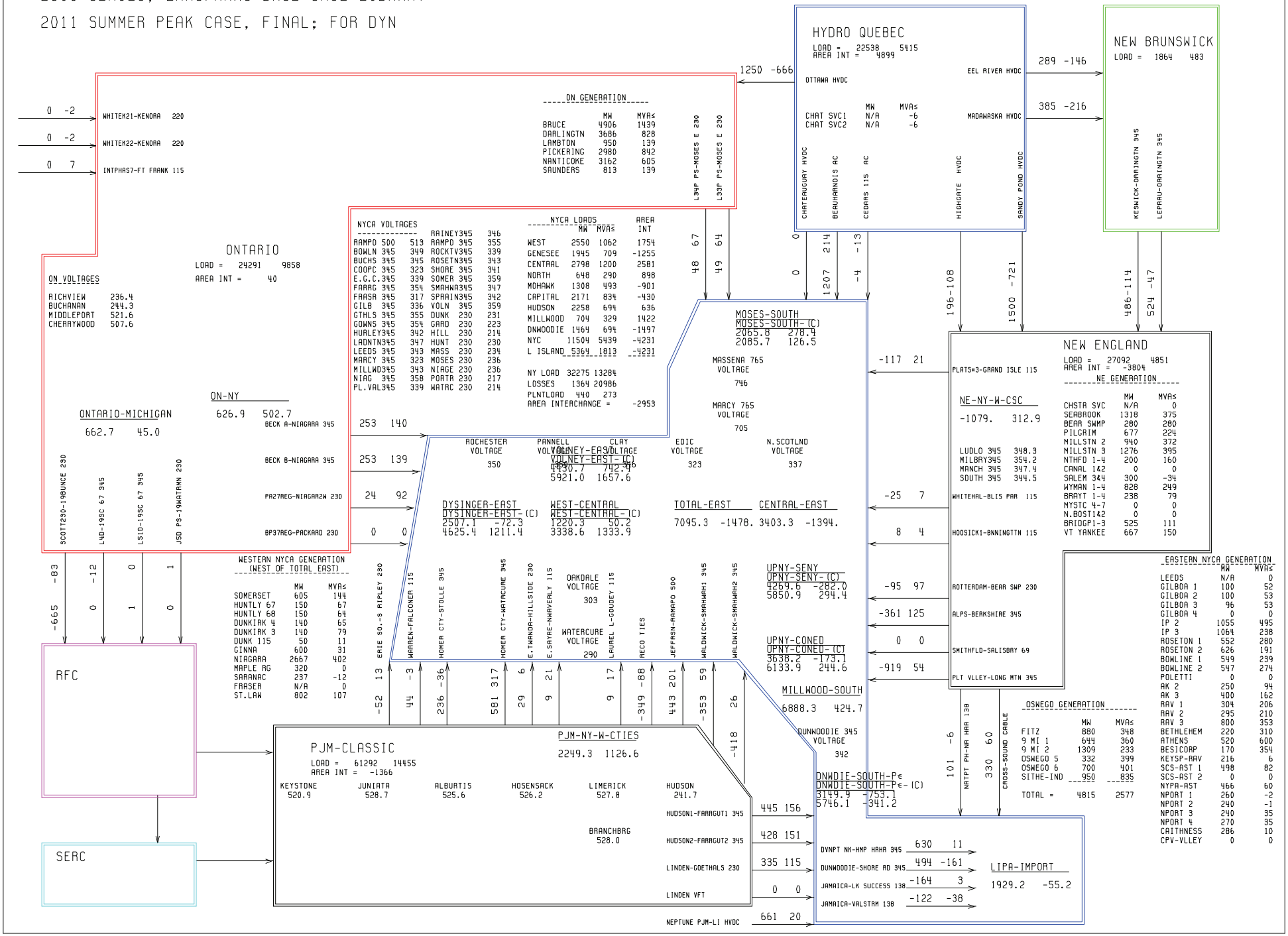
NY & OH VOLTAGES

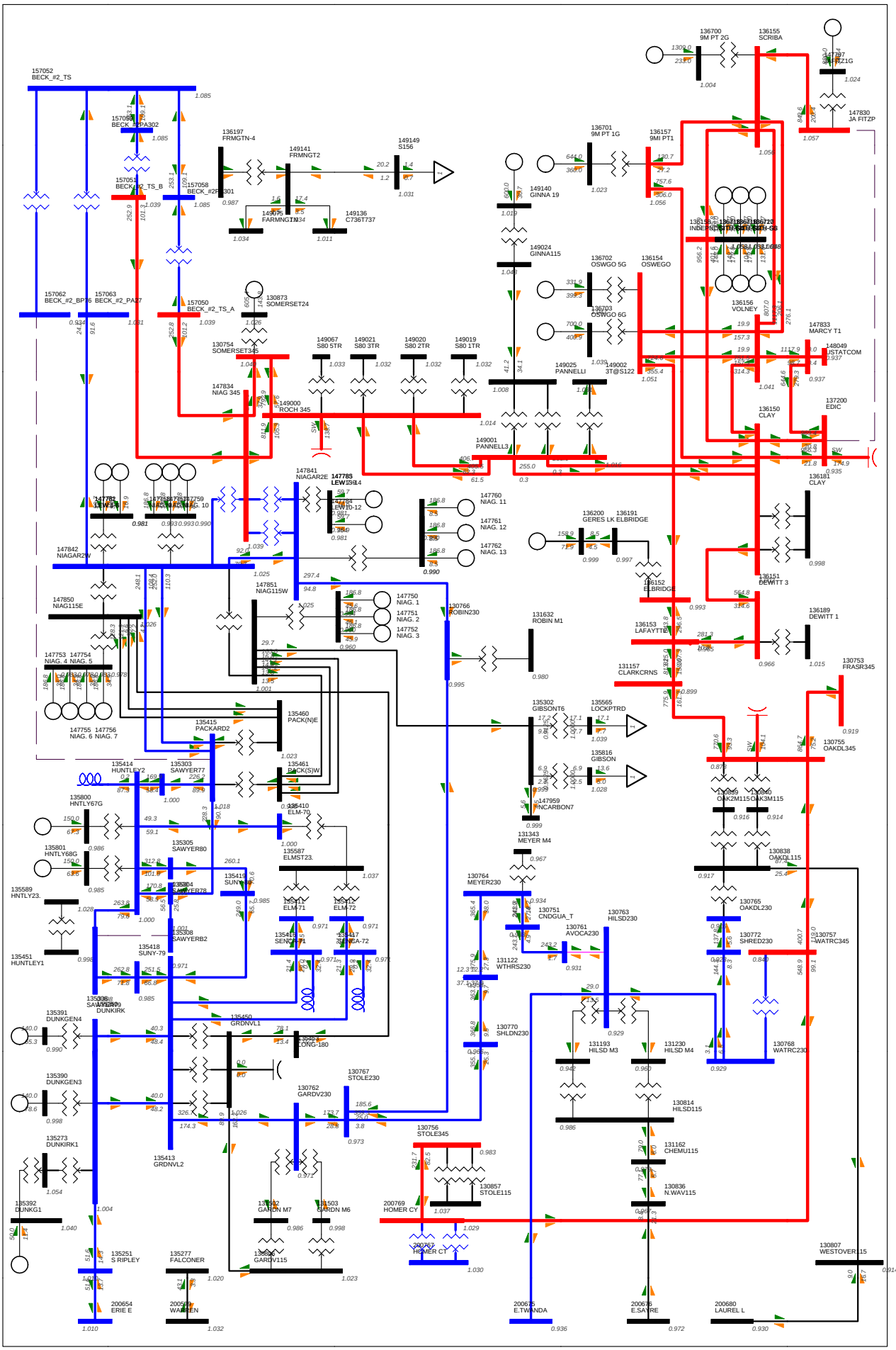
APPENDIX E: Oswego Export Limit - Fitz – Edic (FE-1) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
TUE, NOV 08 2011 8:30

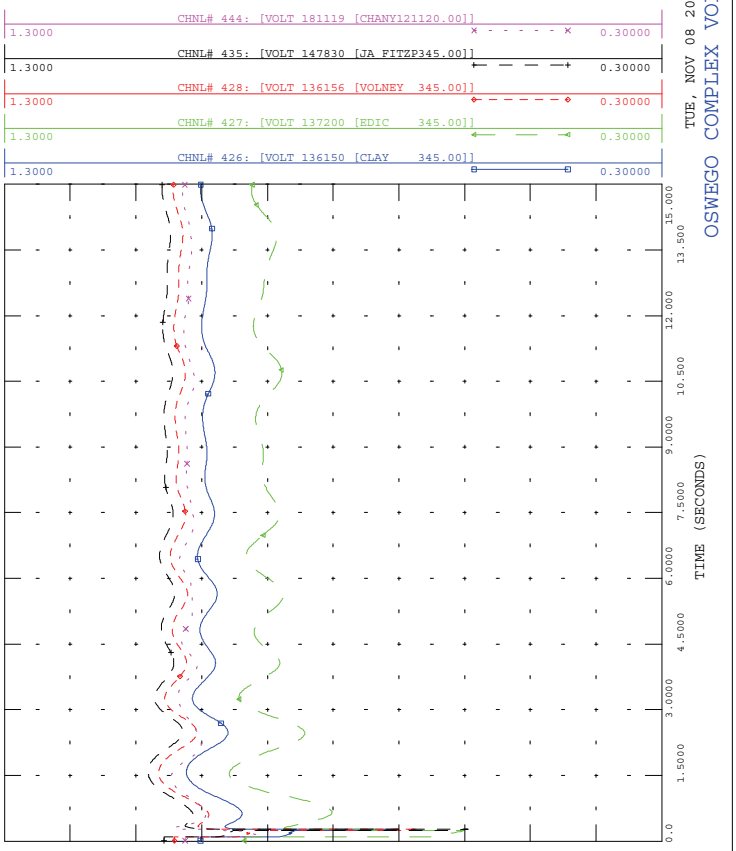
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

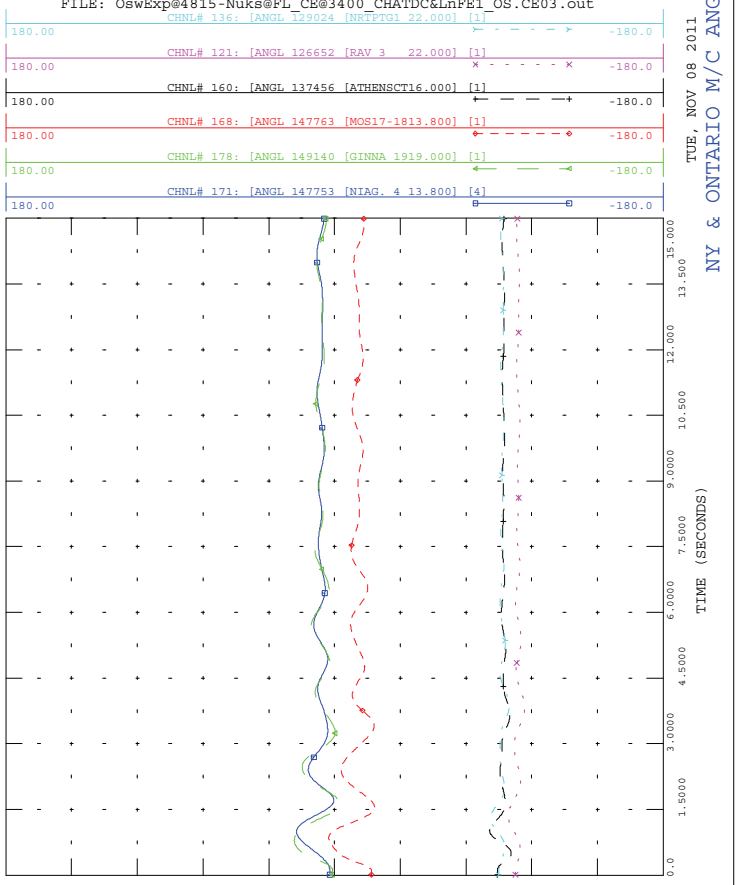
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE03.out



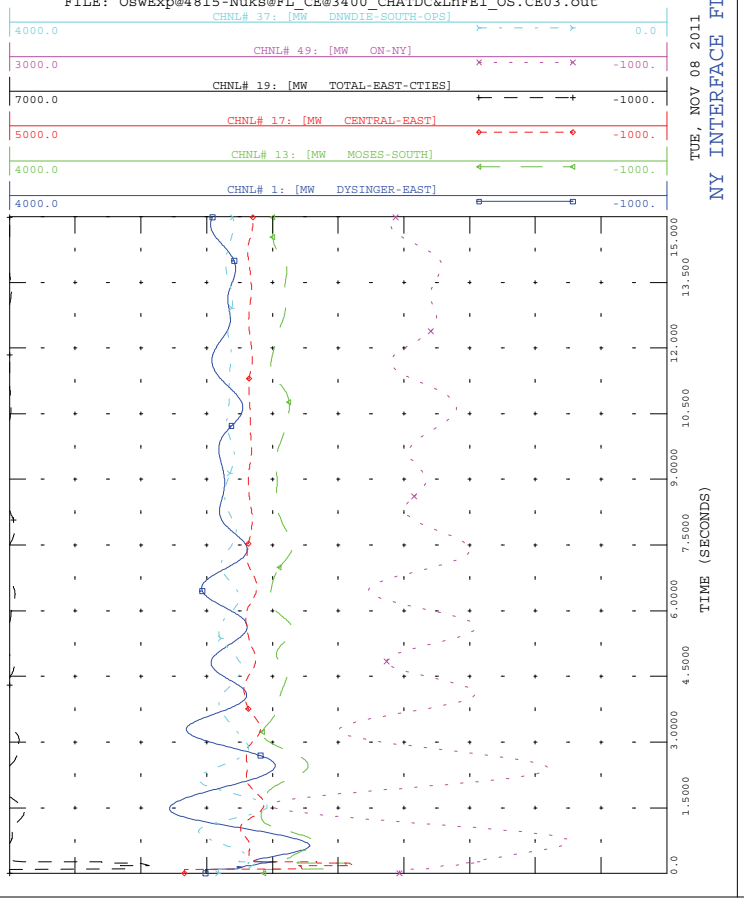
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE03.out



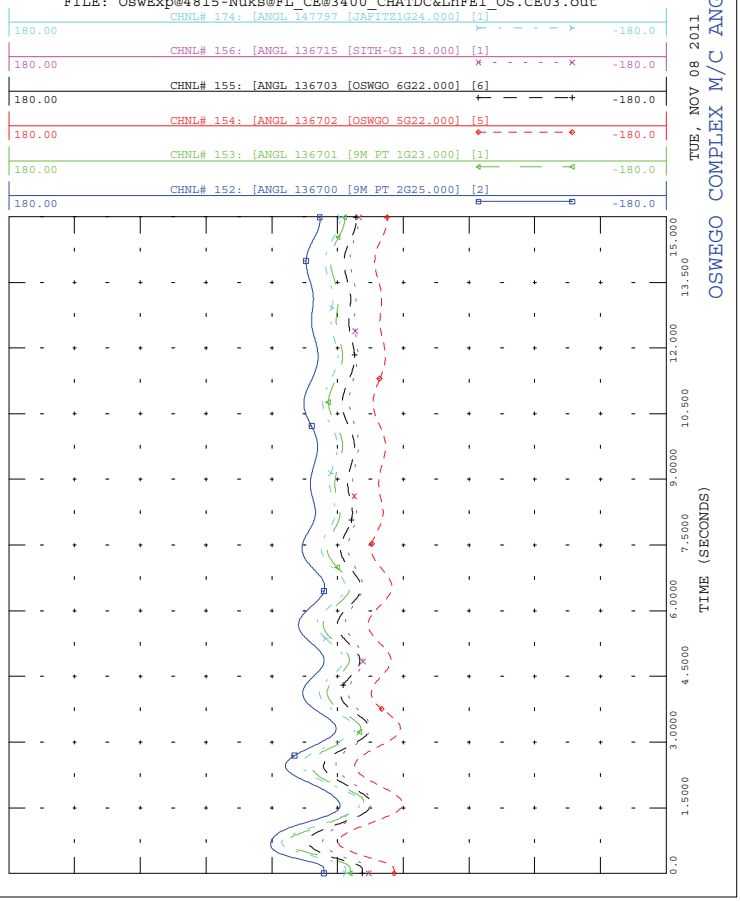
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

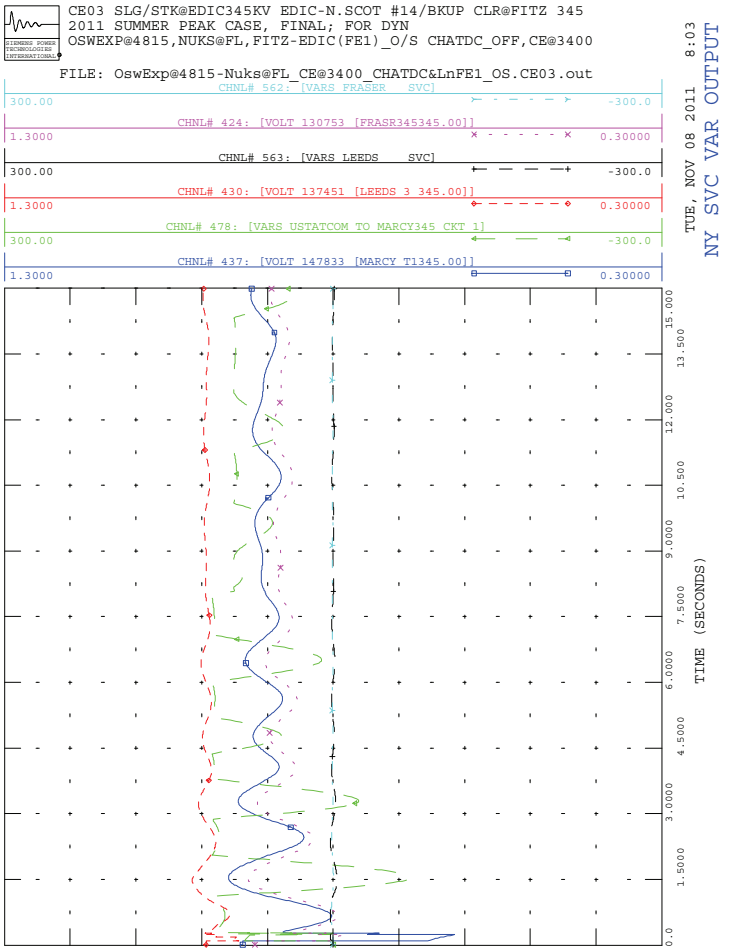
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE03.out

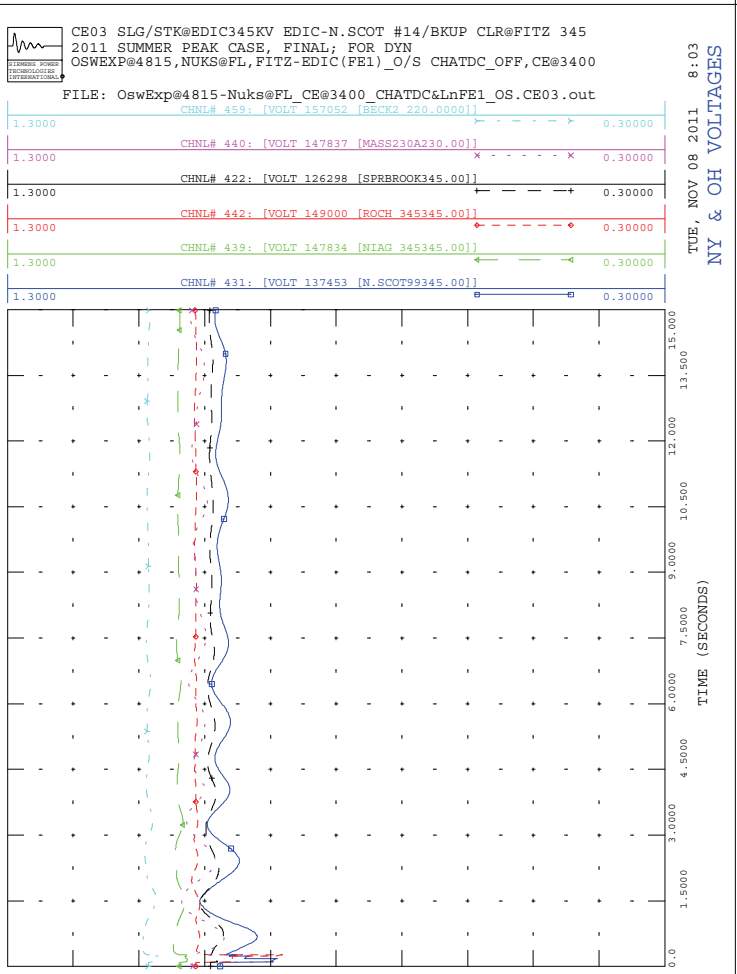


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE03.out

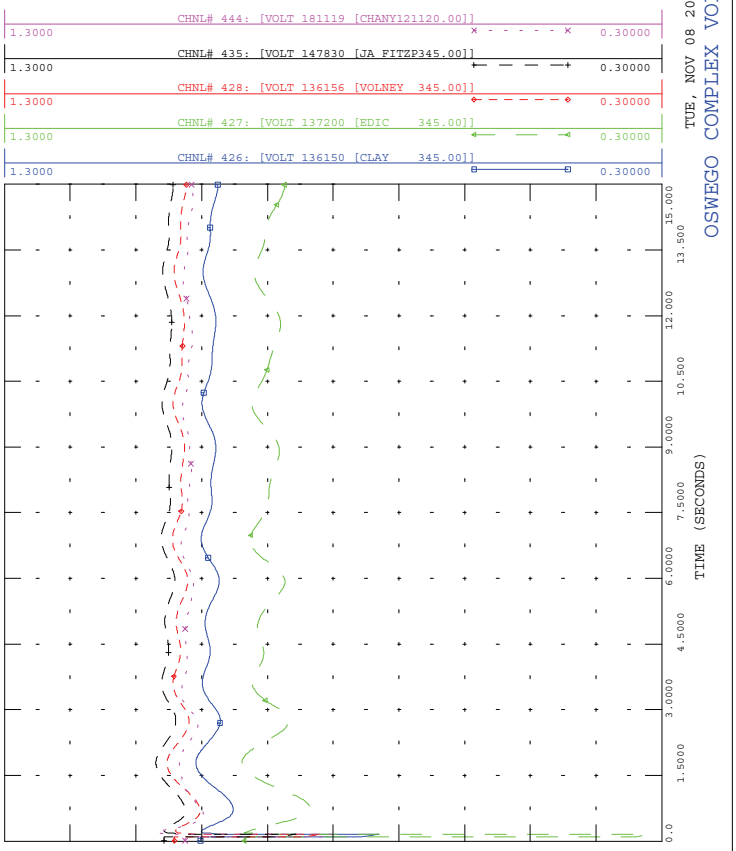



CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 08 2011 8:03
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 08 2011 8:03
NY & OH VOLTAGES

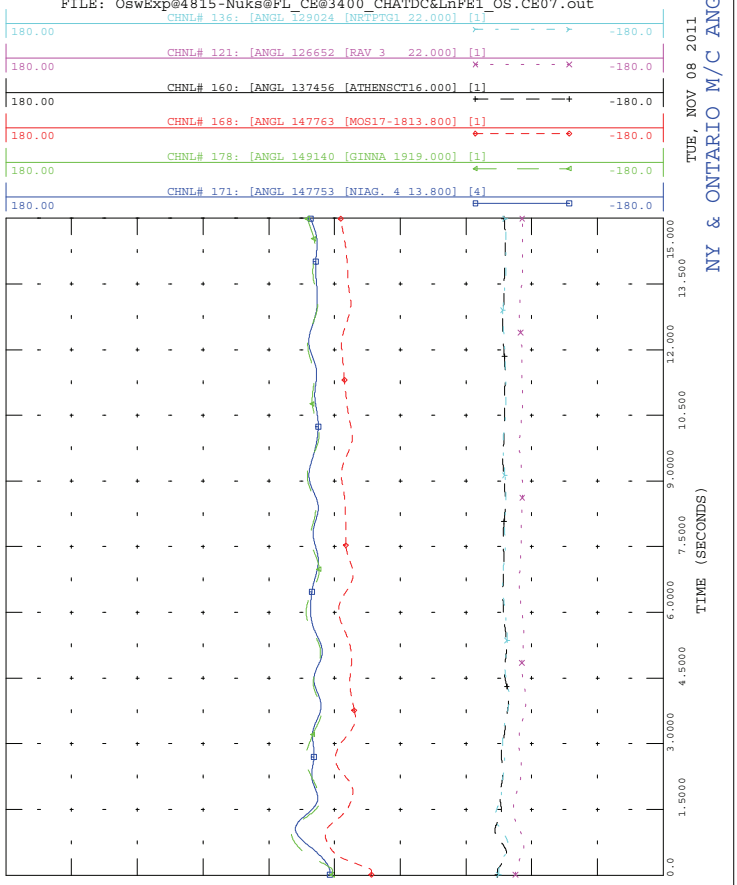
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE07.out



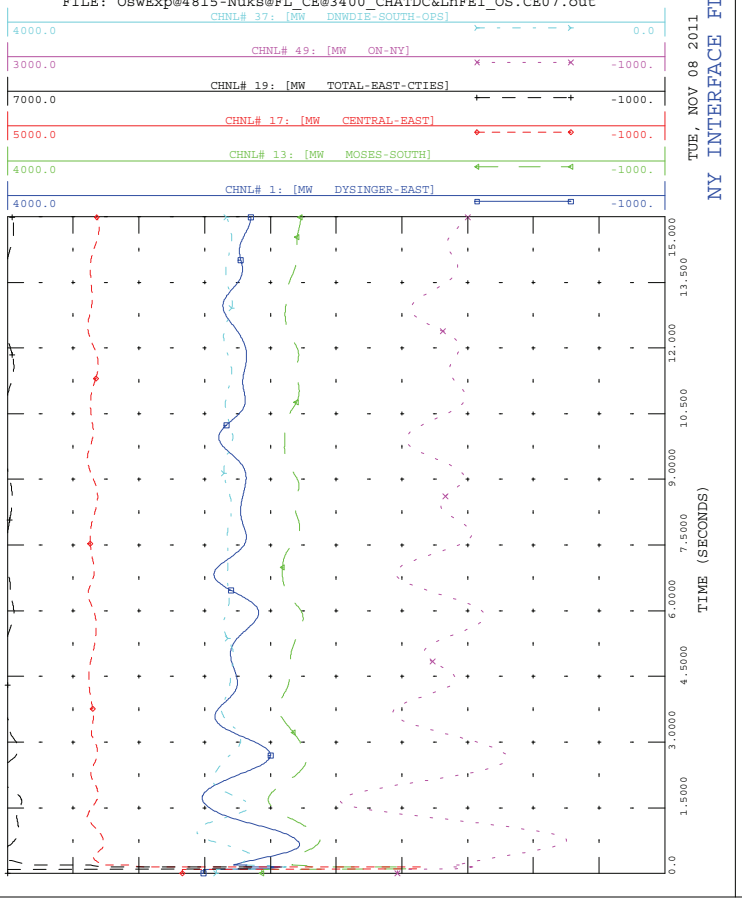
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE07.out



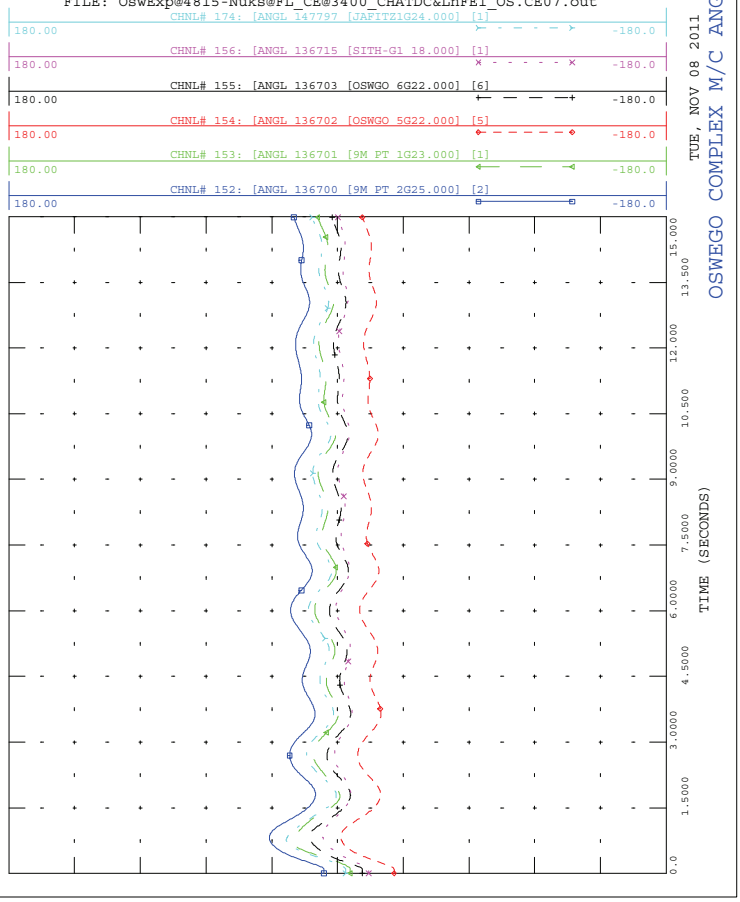
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

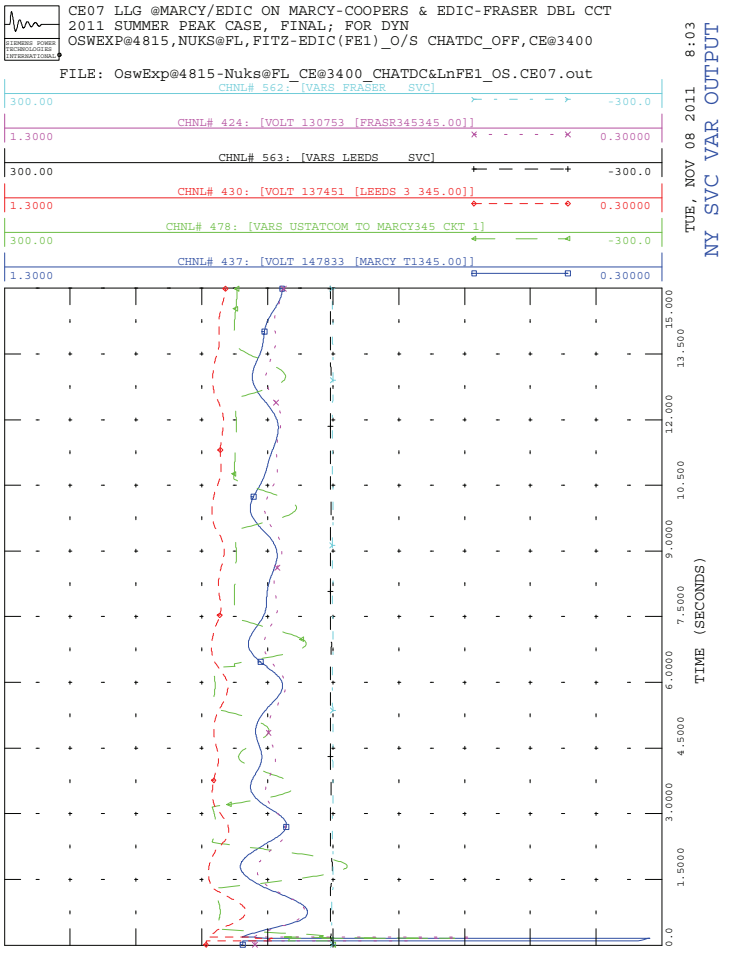
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE07.out

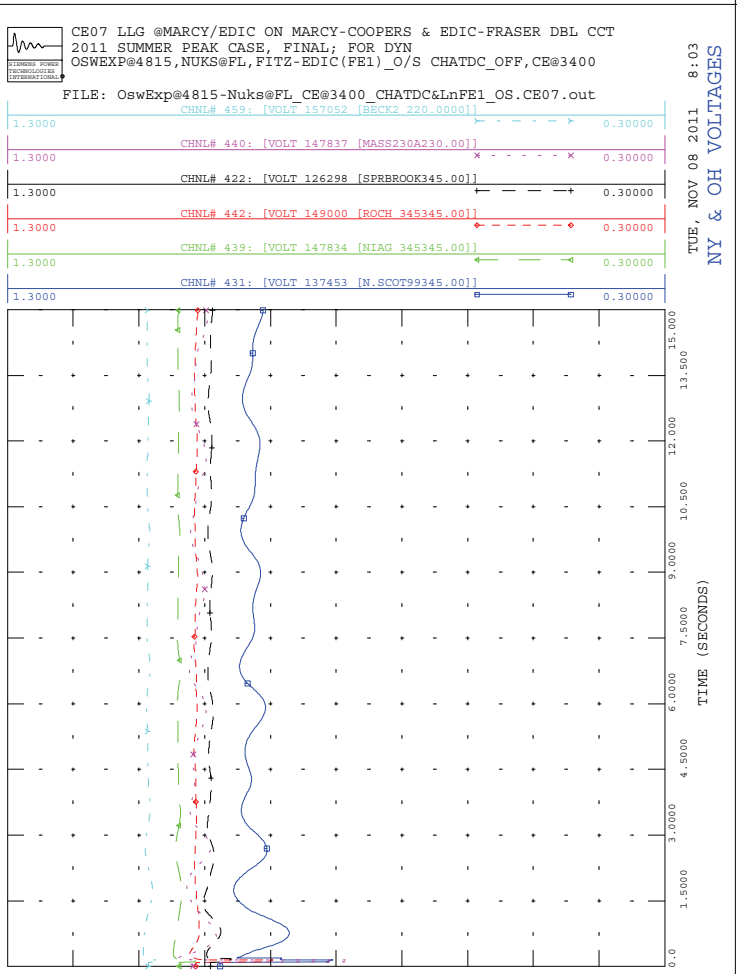


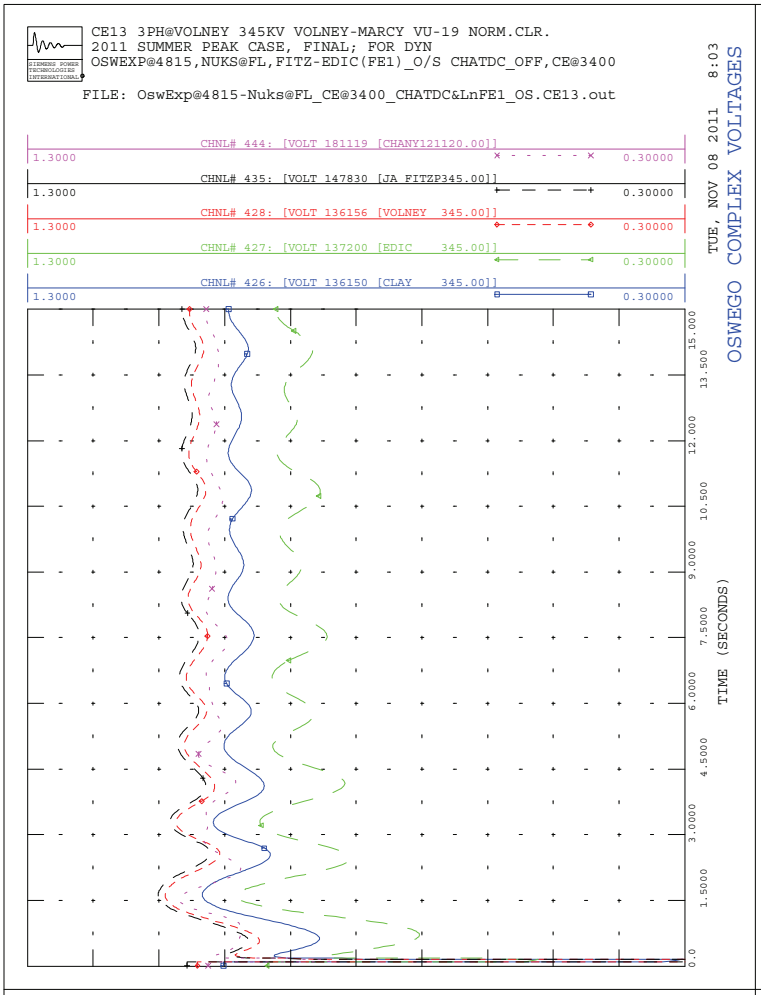
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

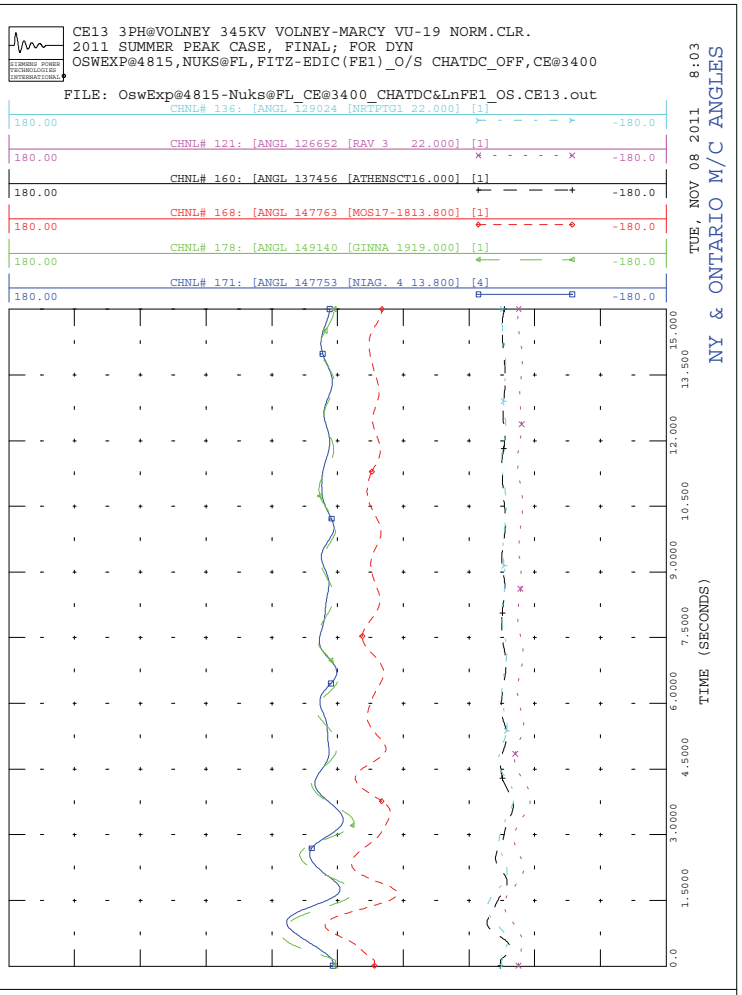
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE07.out

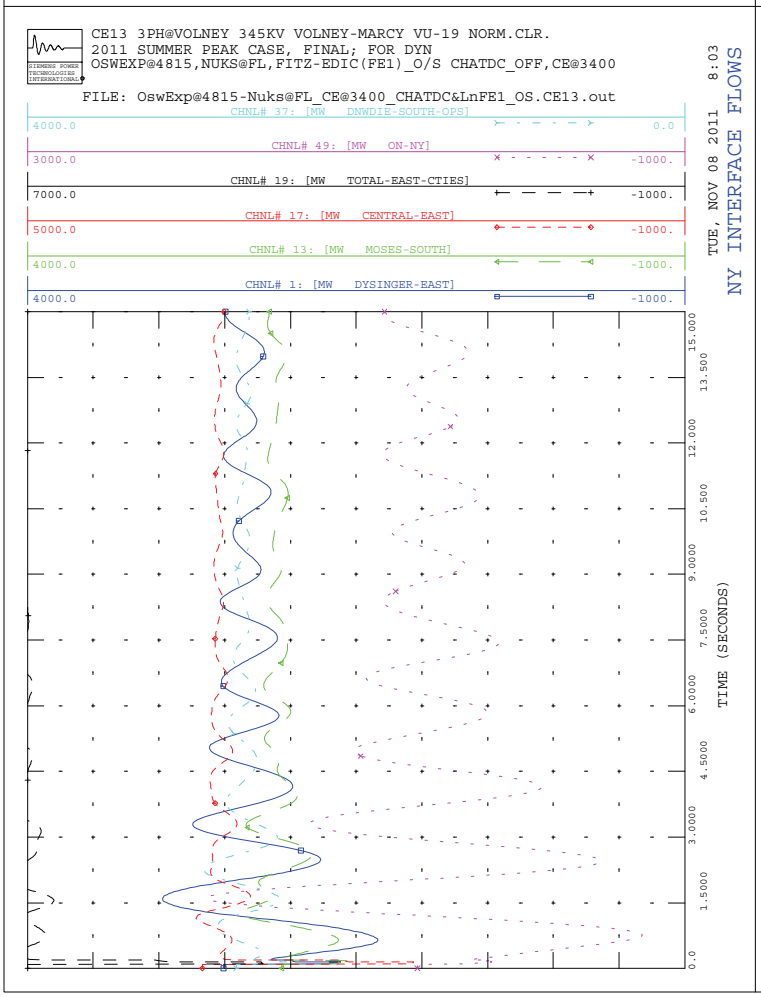


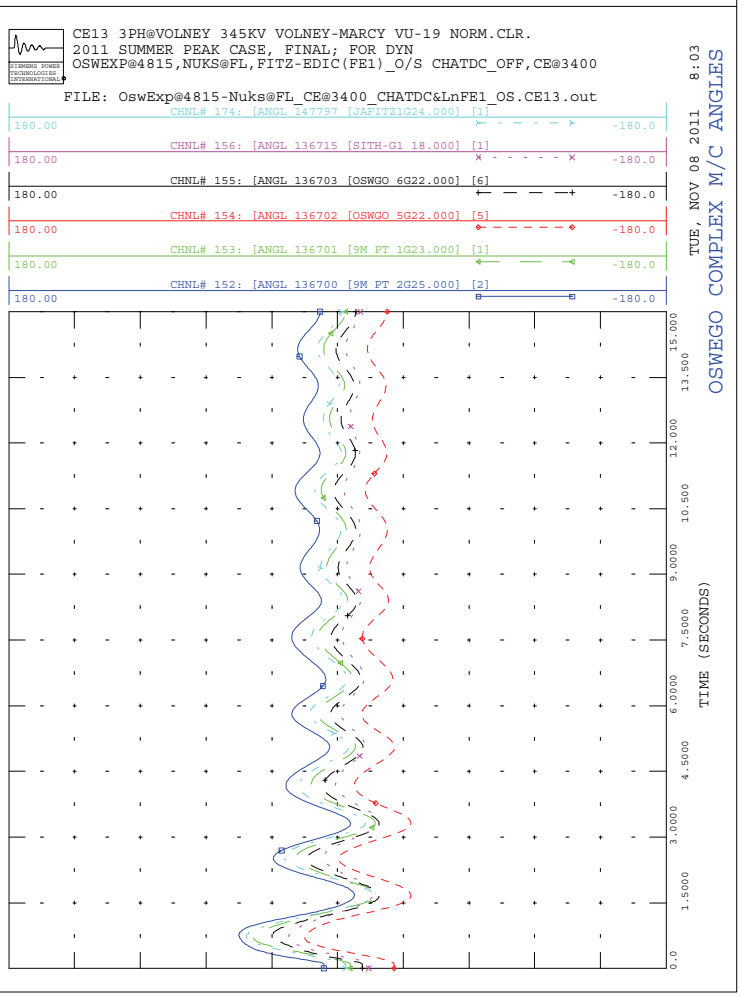

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 08 2011 8:03
NY SVC VAR OUTPUT

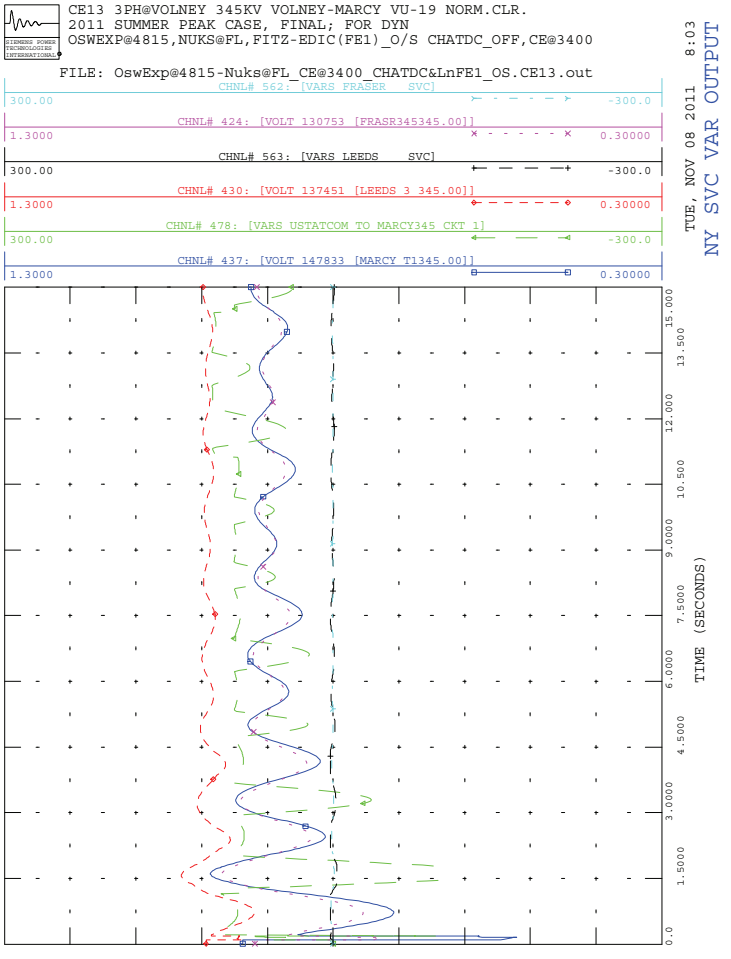

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 08 2011 8:03
NY & OH VOLTAGES

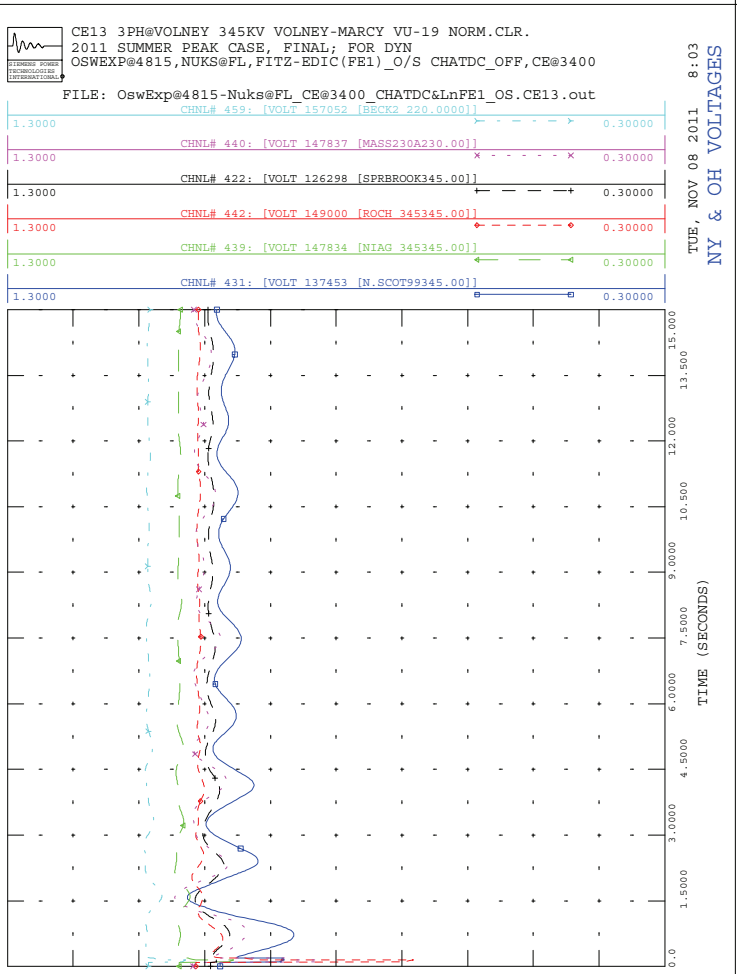

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE13.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, NOV 08 2011 8:03
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)

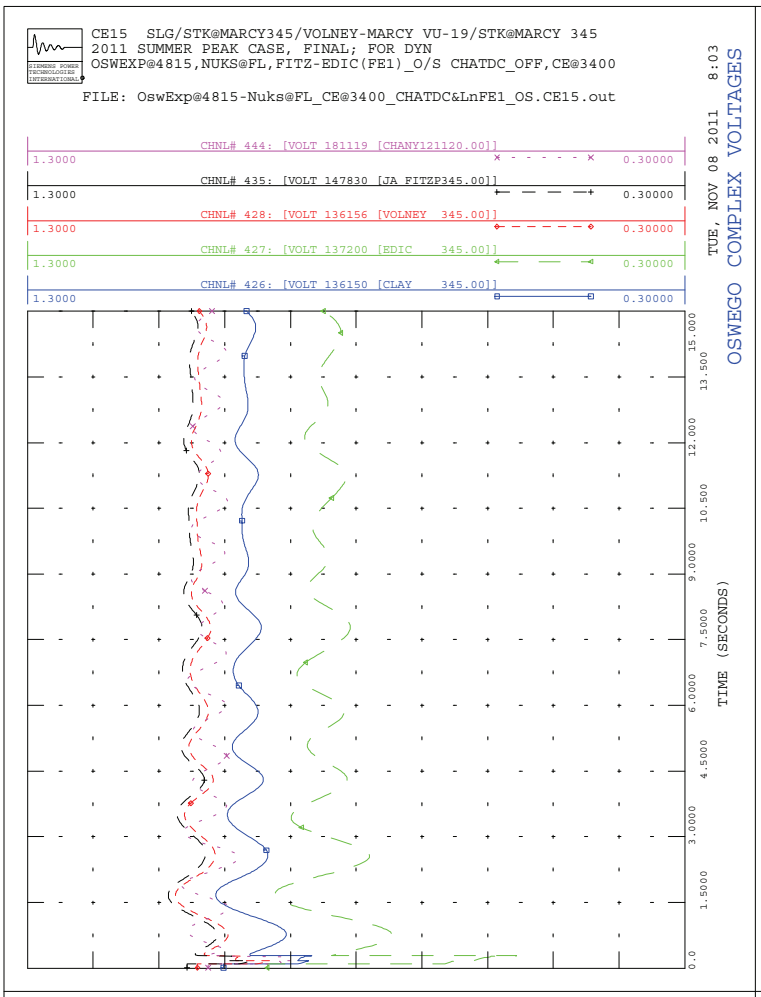

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE13.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, NOV 08 2011 8:03
NY & ONTARIO M/C ANGLES
TIME (SECONDS)

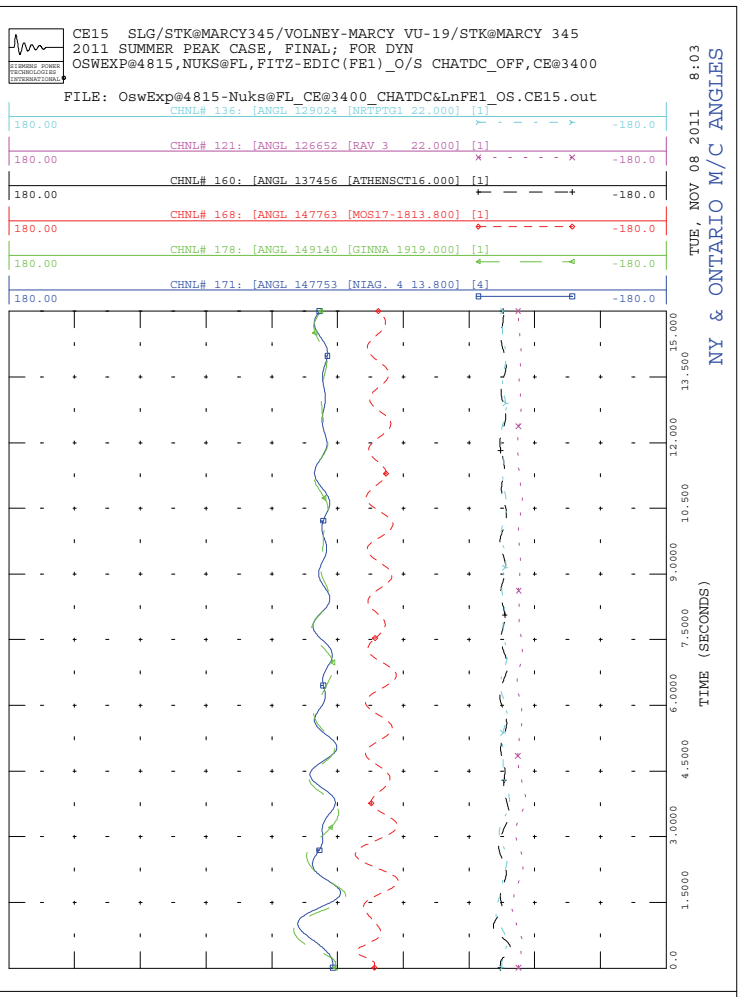

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE13.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, NOV 08 2011 8:03
NY INTERFACE FLOWS
TIME (SECONDS)

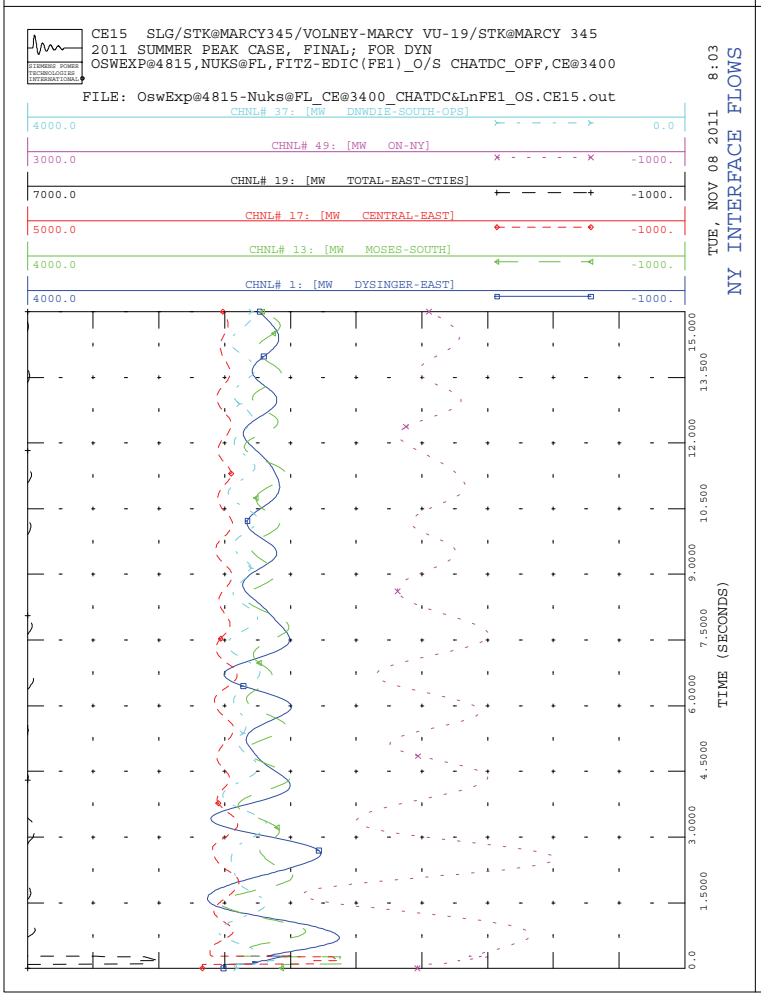

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE13.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, NOV 08 2011 8:03
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

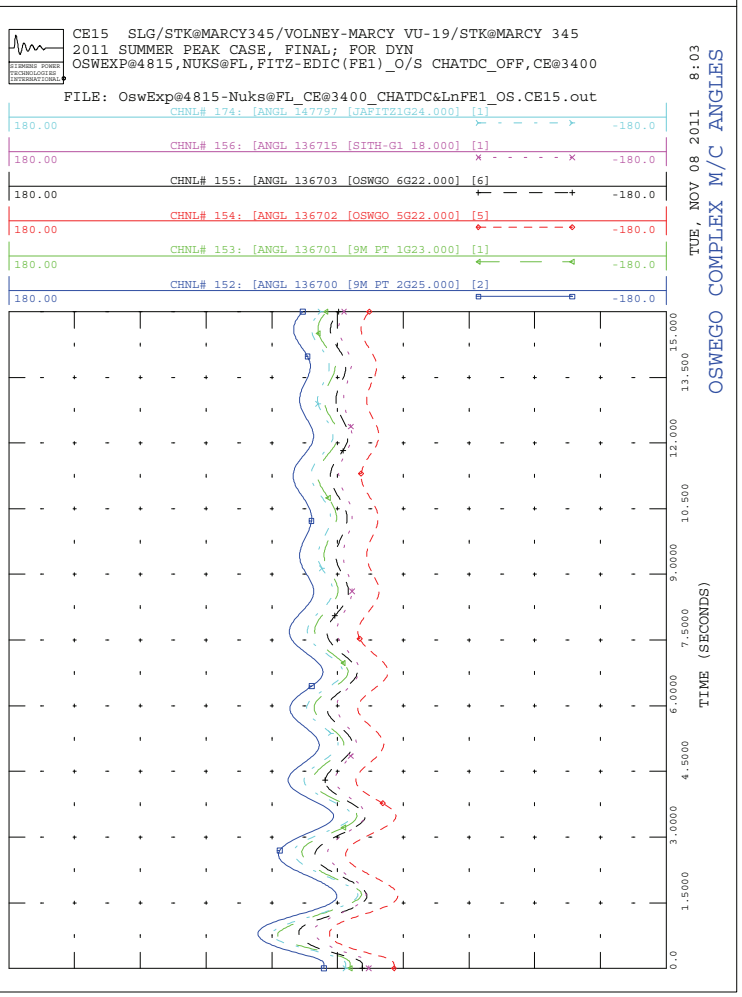

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, NOV 08 2011 8:03
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, NOV 08 2011 8:03
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE15.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, NOV 08 2011 8:03
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)

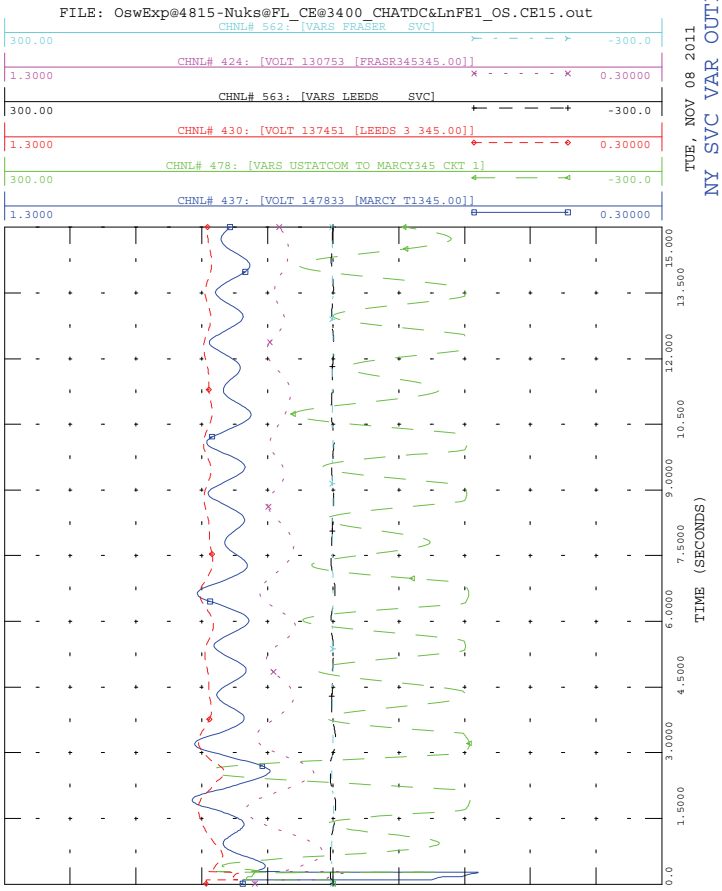

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE15.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
TUE, NOV 08 2011 8:03
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE15.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, NOV 08 2011 8:03
NY INTERFACE FLOWS
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE15.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
TUE, NOV 08 2011 8:03
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE15.out

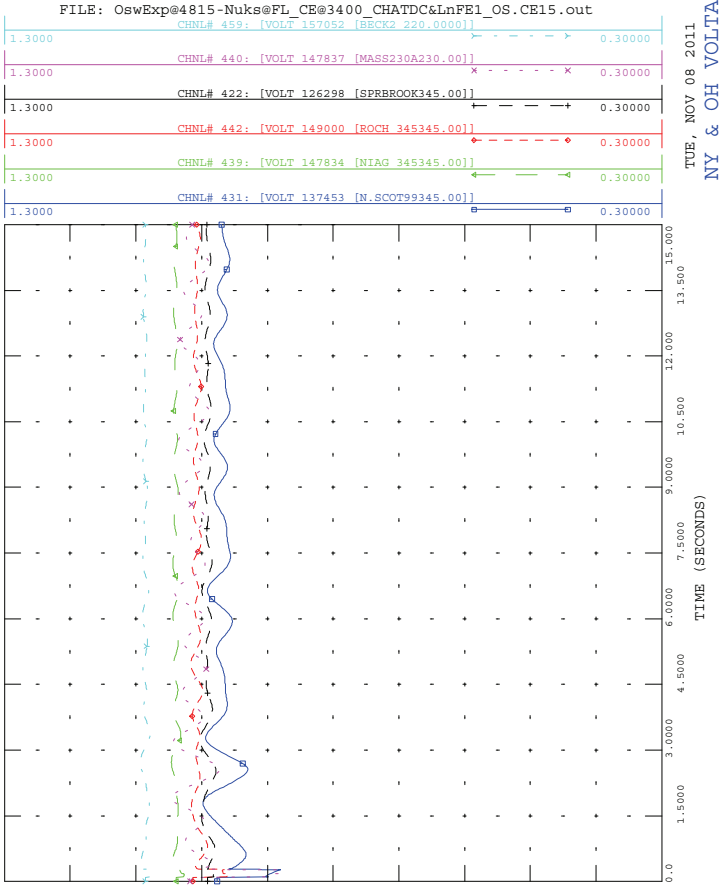


TUE, NOV 08 2011 8:03

NY SVC VAR OUTPUT

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE15.out

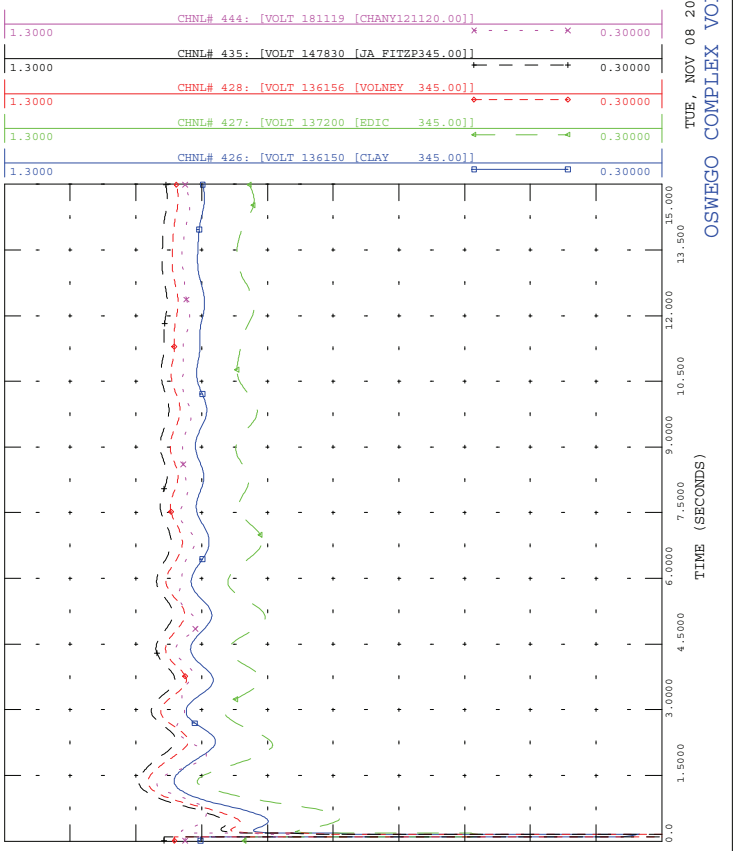


TUE, NOV 08 2011 8:03

NY & OH VOLTAGES

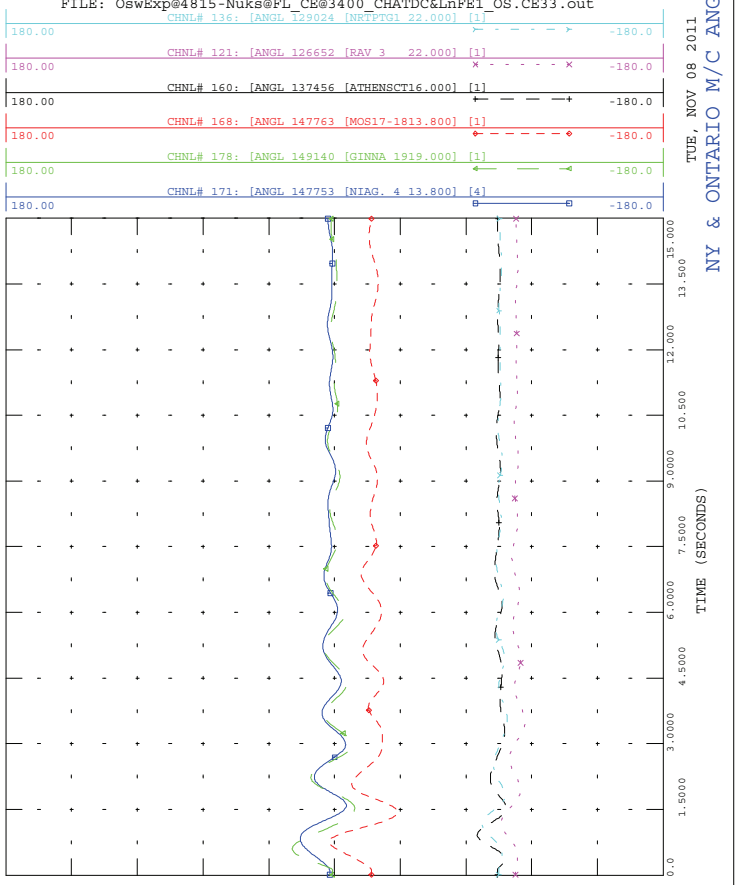
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE33.out



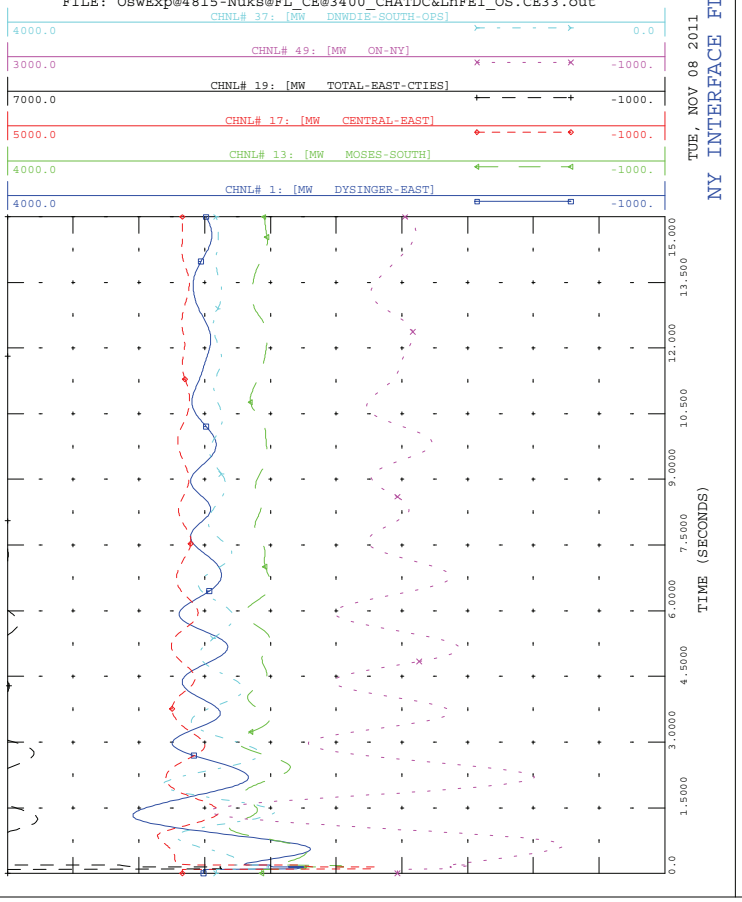
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE33.out



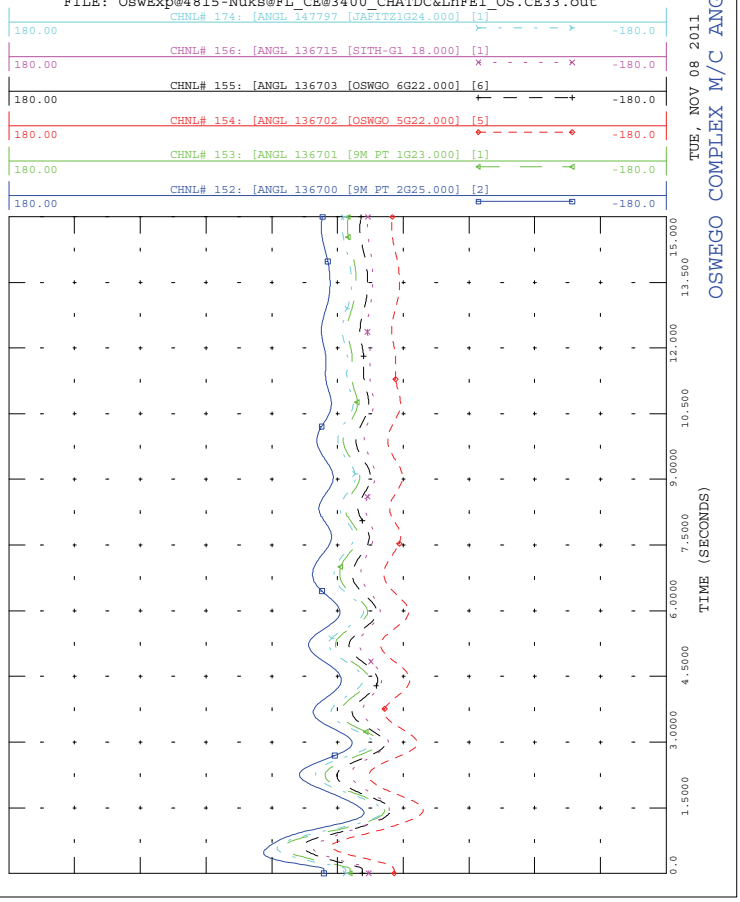
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE33.out



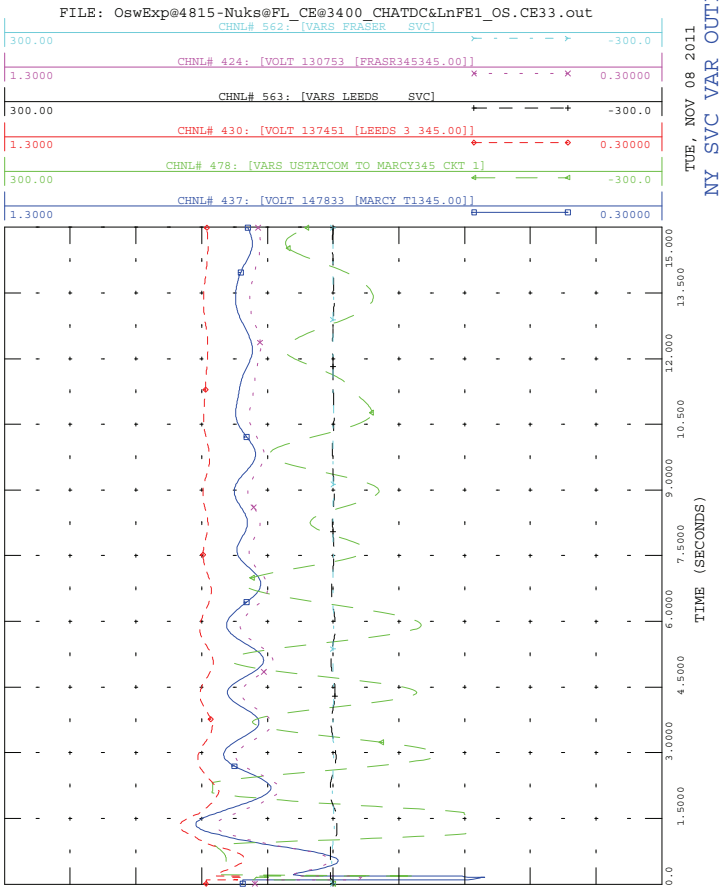
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE33.out

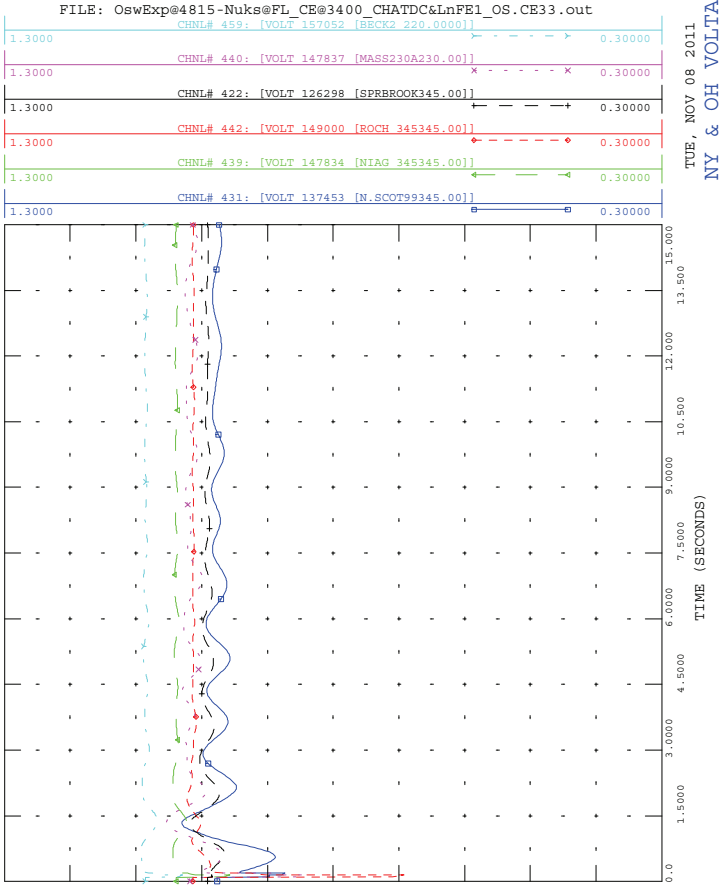


TUE, NOV 08 2011 8:04

NY SVC VAR OUTPUT

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE33.out

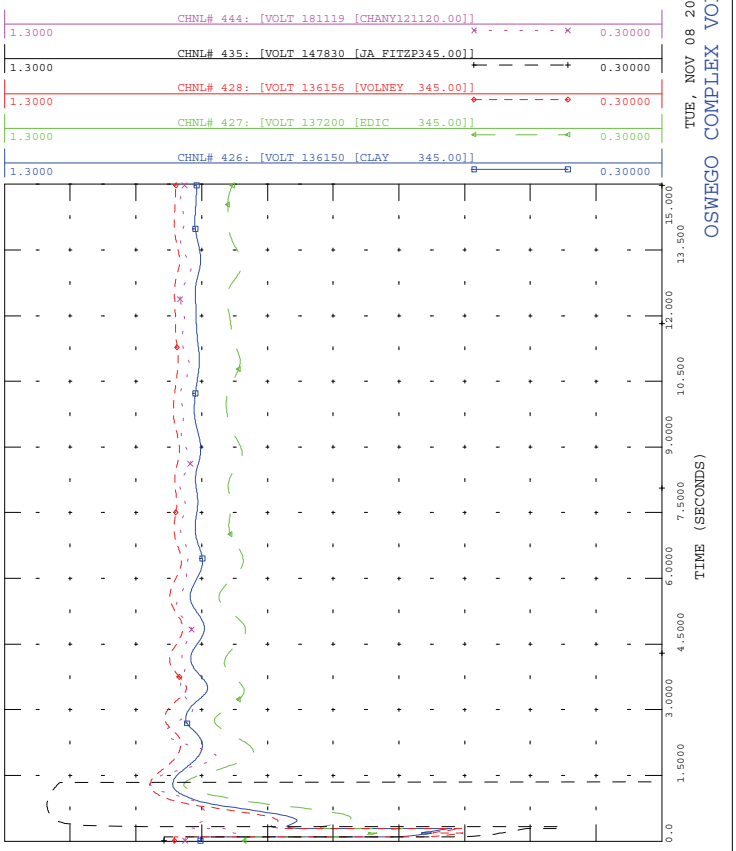


TUE, NOV 08 2011 8:04

NY & OH VOLTAGES

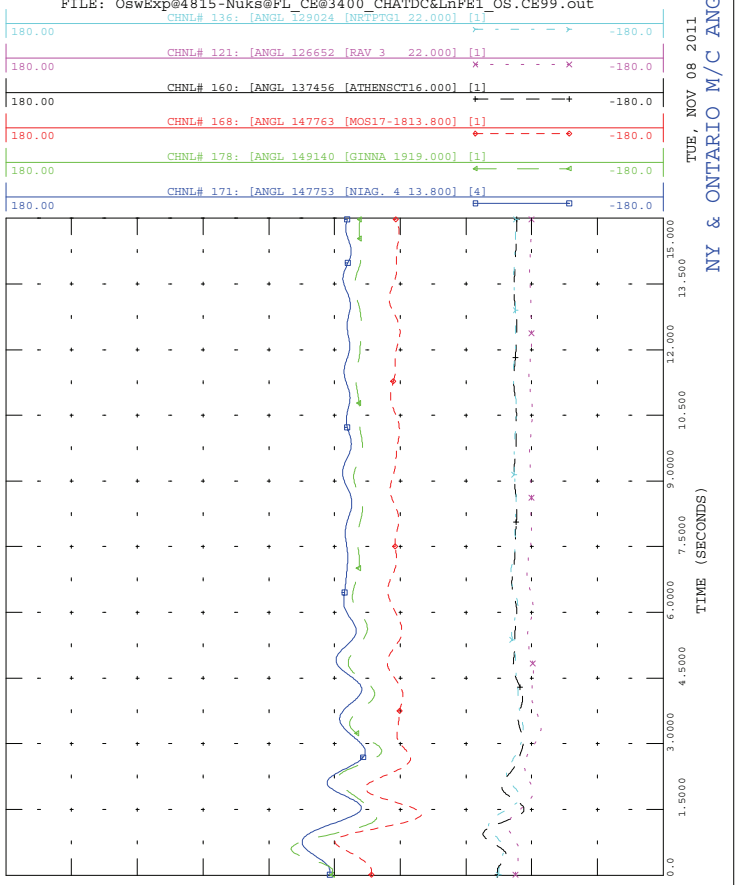
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE99.out



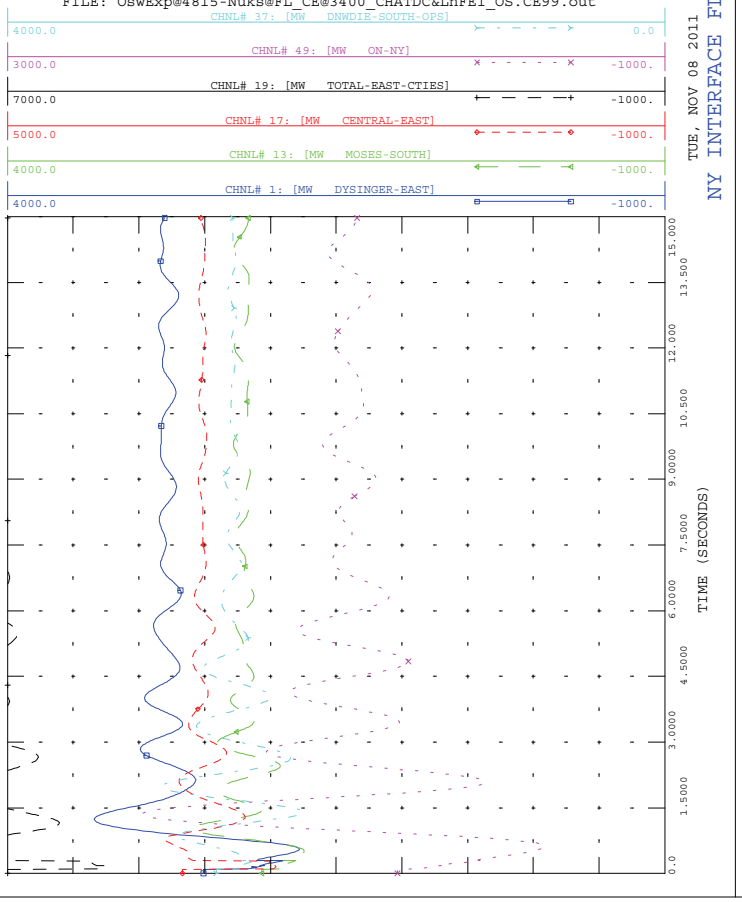
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE99.out



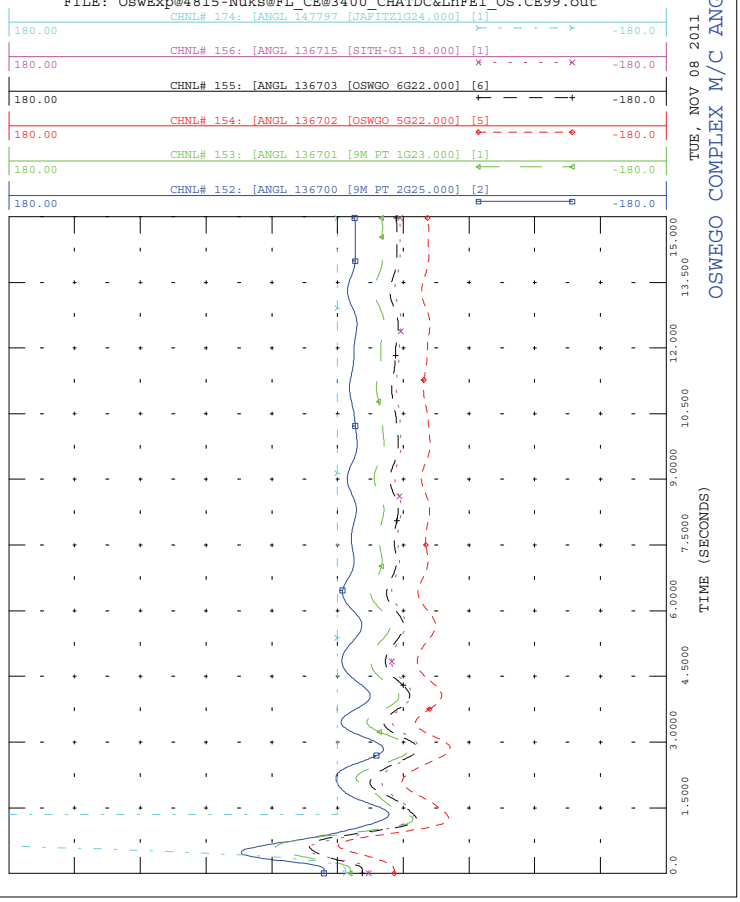
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

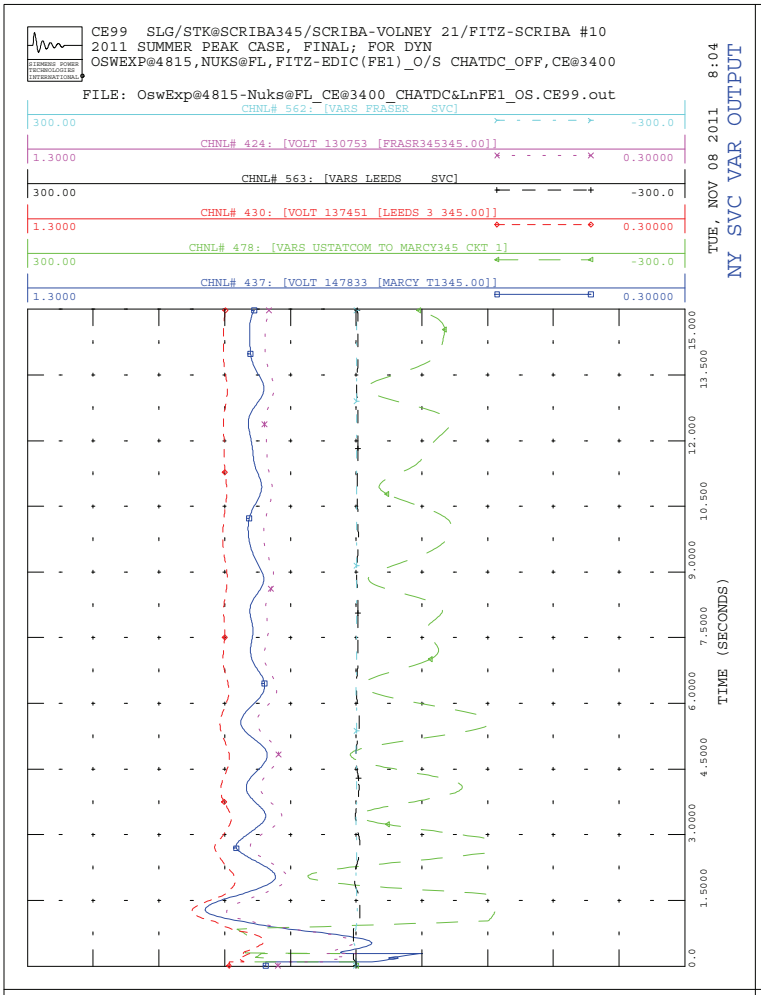
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE99.out

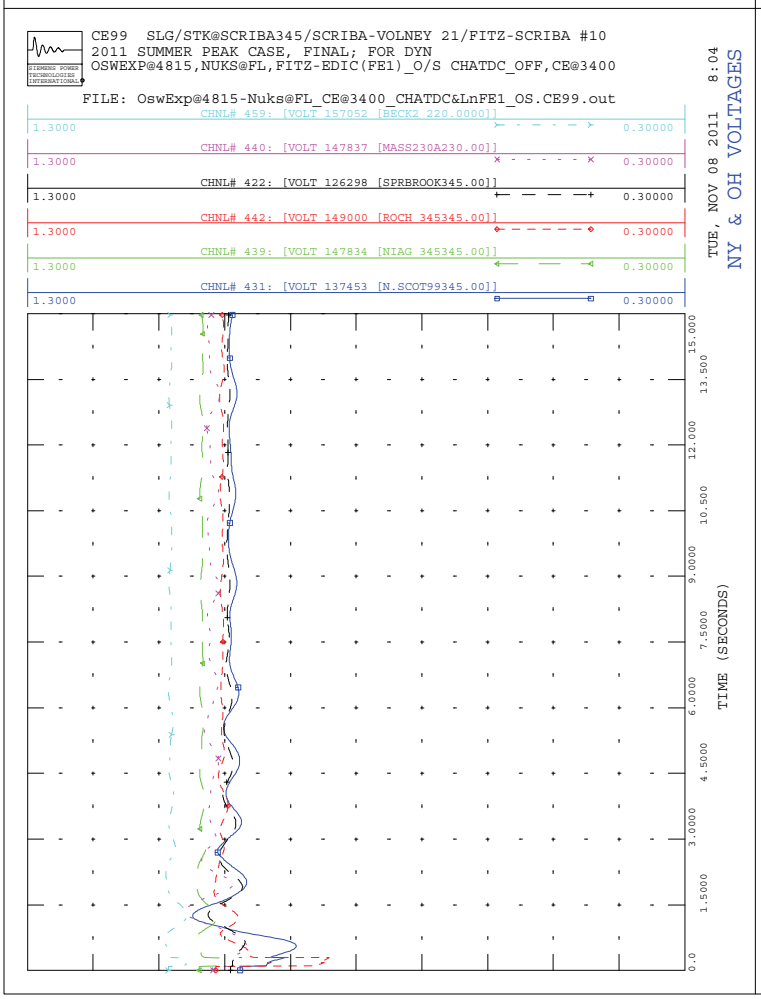


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE99.out

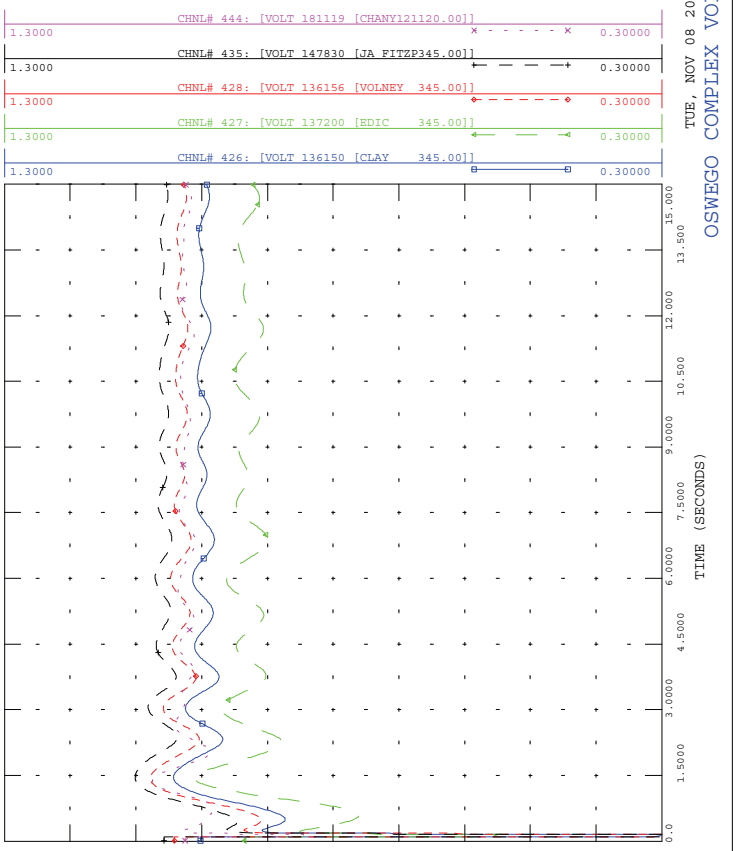



CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 08 2011 8:04
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 08 2011 8:04
NY & OH VOLTAGES

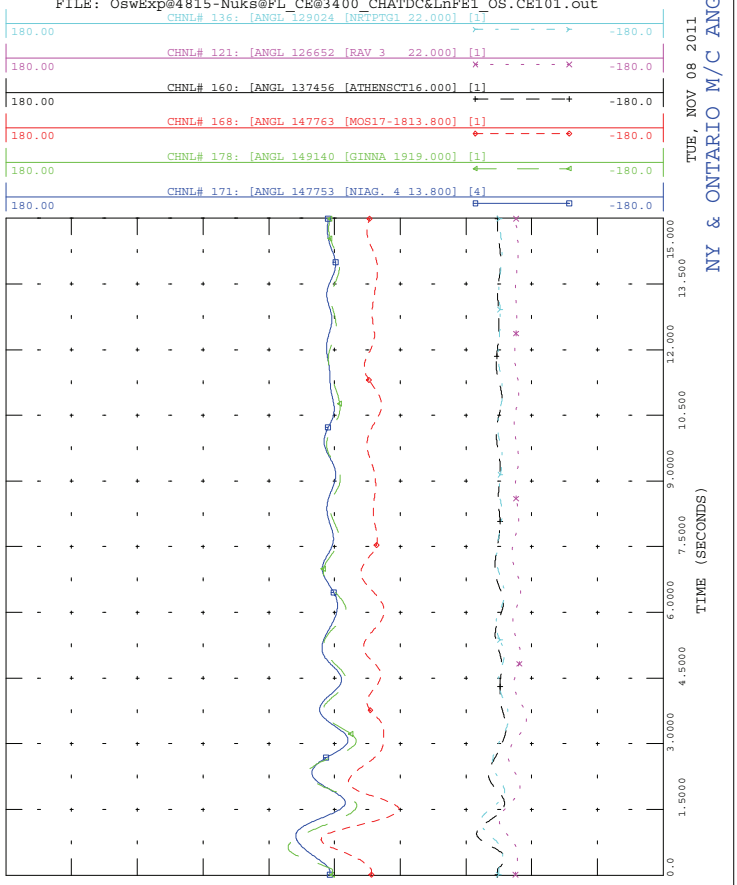
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE101.out



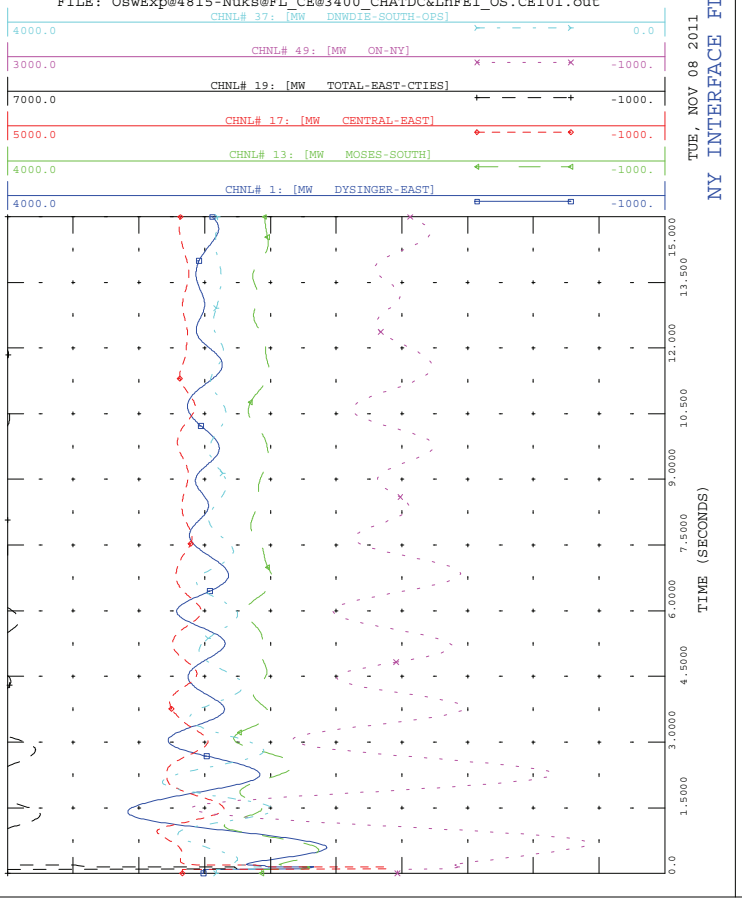
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE101.out



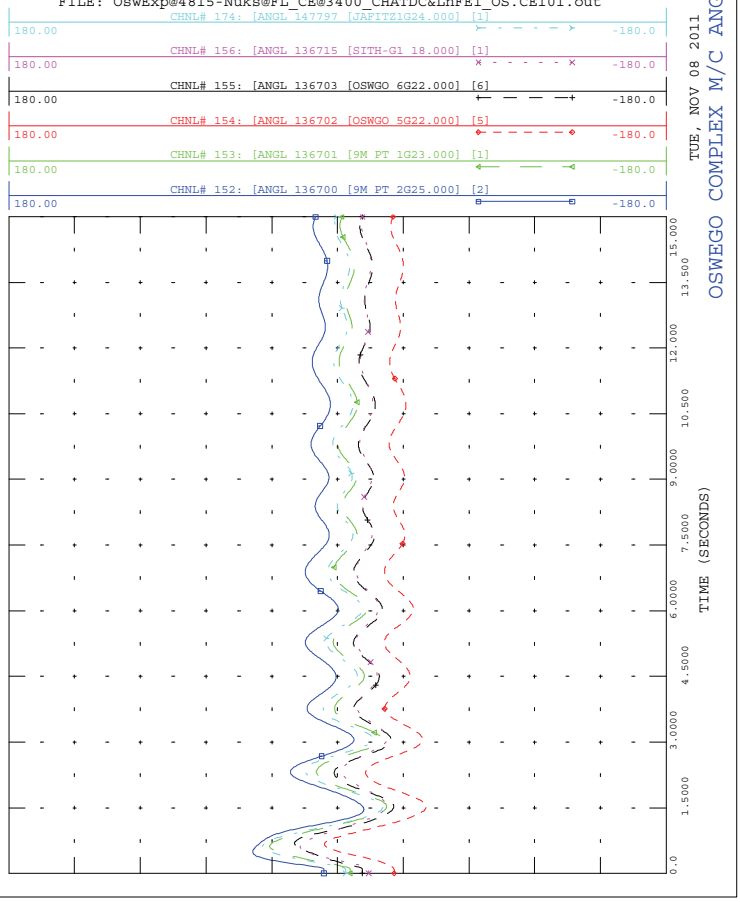
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE101.out



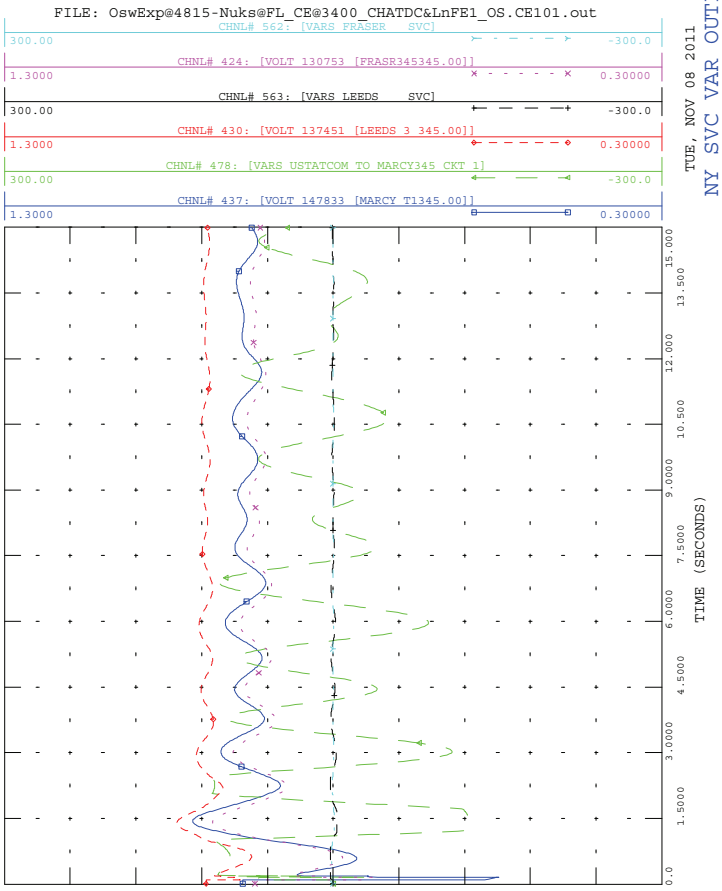
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE101.out

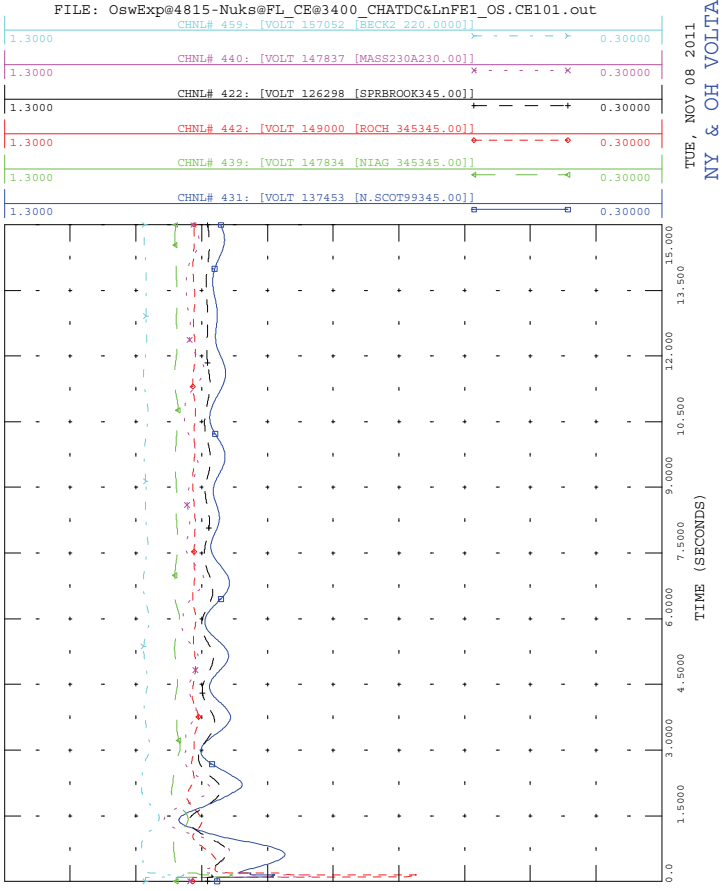


TUE, NOV 08 2011 8:04

NY SVC VAR OUTPUT

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.CE101.out

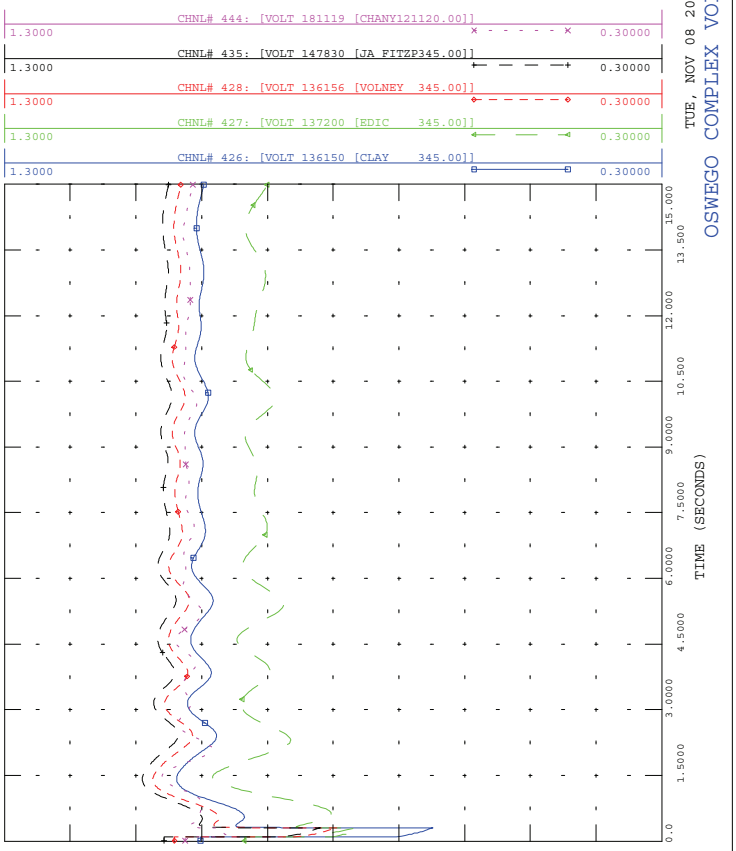


TUE, NOV 08 2011 8:04

NY & OH VOLTAGES

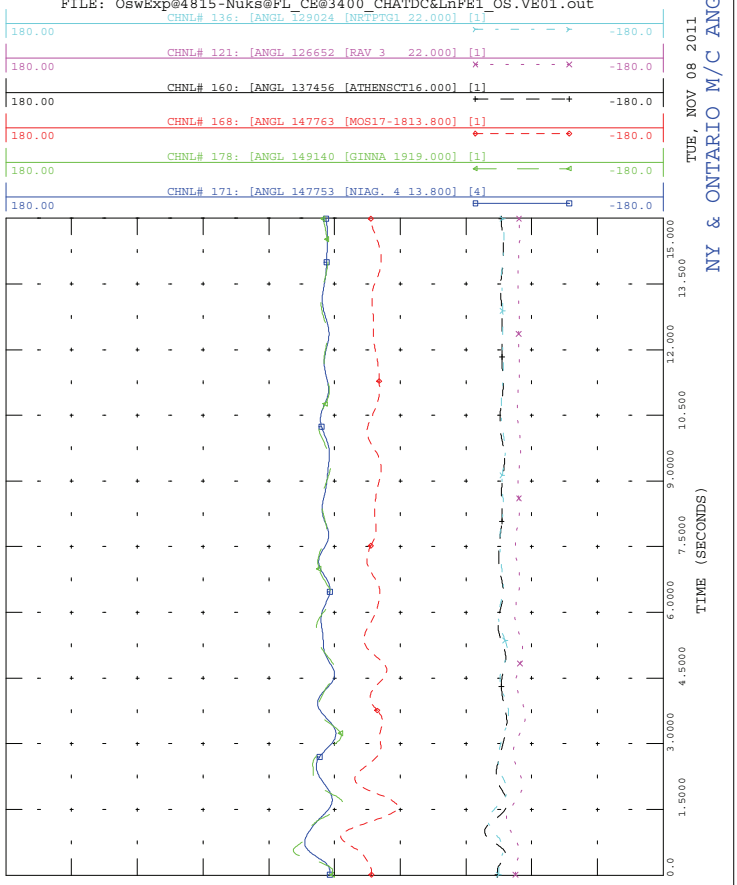
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.VE01.out



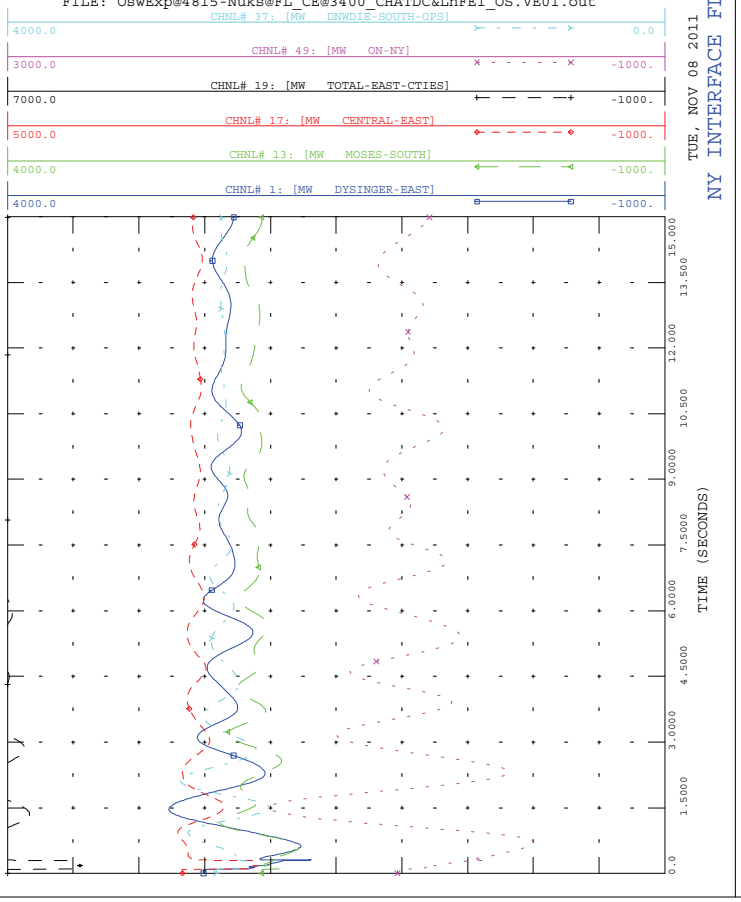
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.VE01.out



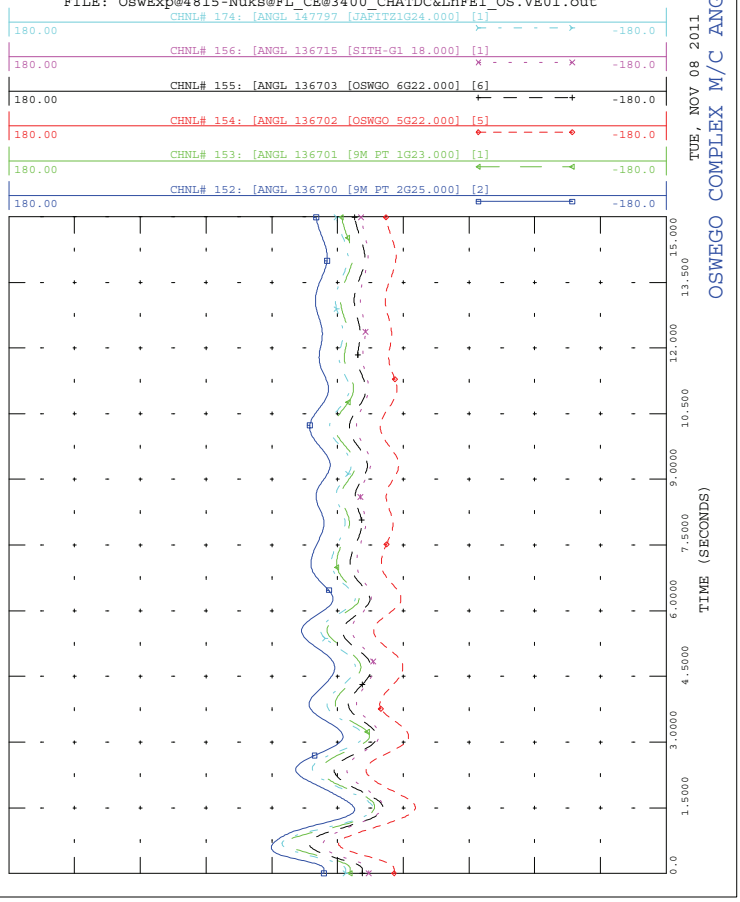
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.VE01.out



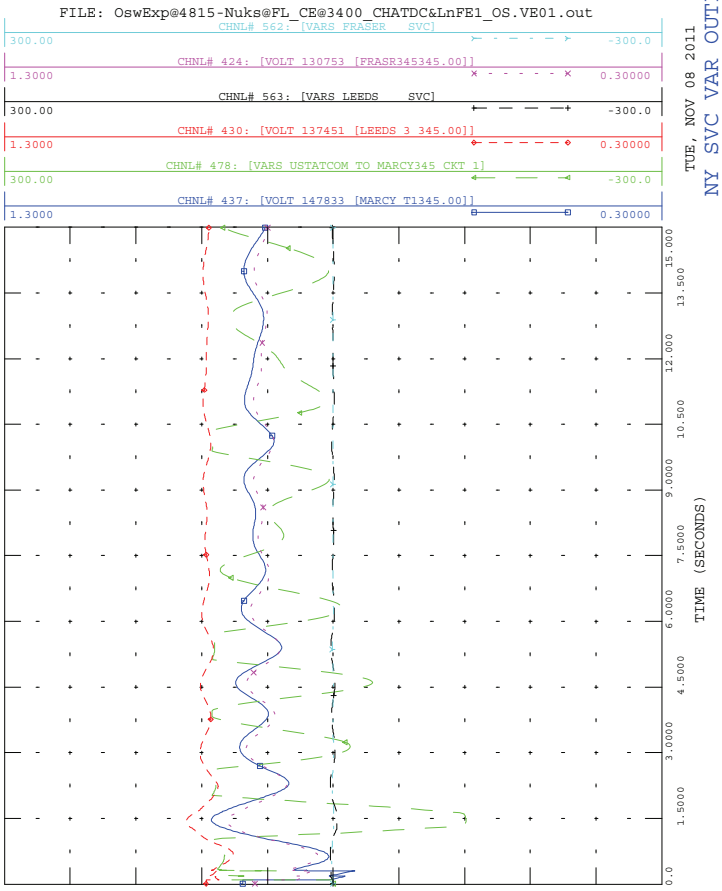
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.VE01.out

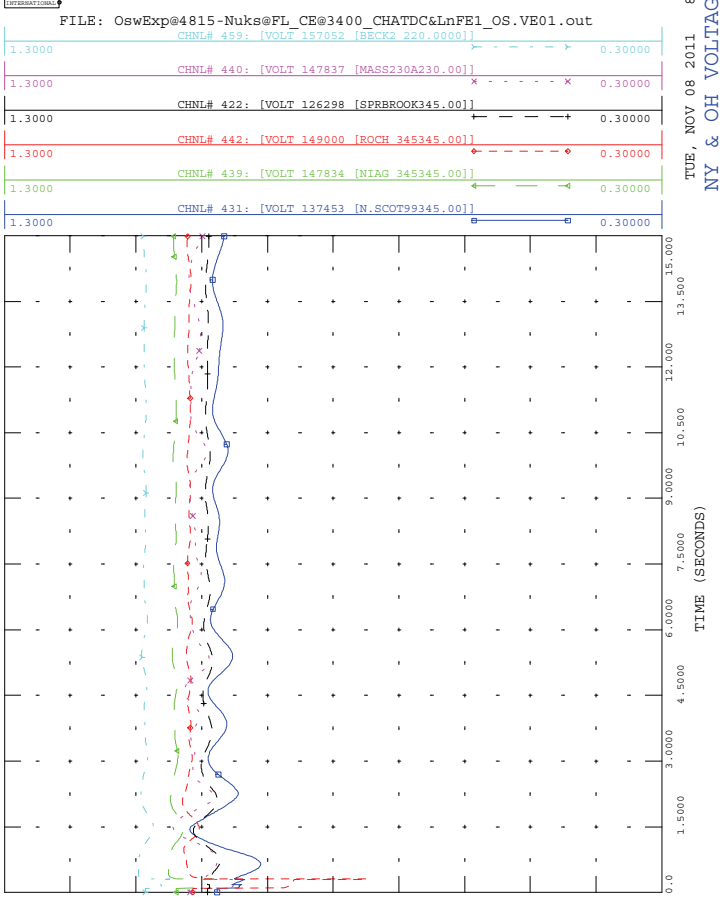


TUE, NOV 08 2011 8:04

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@4815,NUKS@FL,FITZ-EDIC(FE1)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@4815-Nuks@FL_CE@3400_CHATDC&LnFE1_OS.VE01.out



TUE, NOV 08 2011 8:04

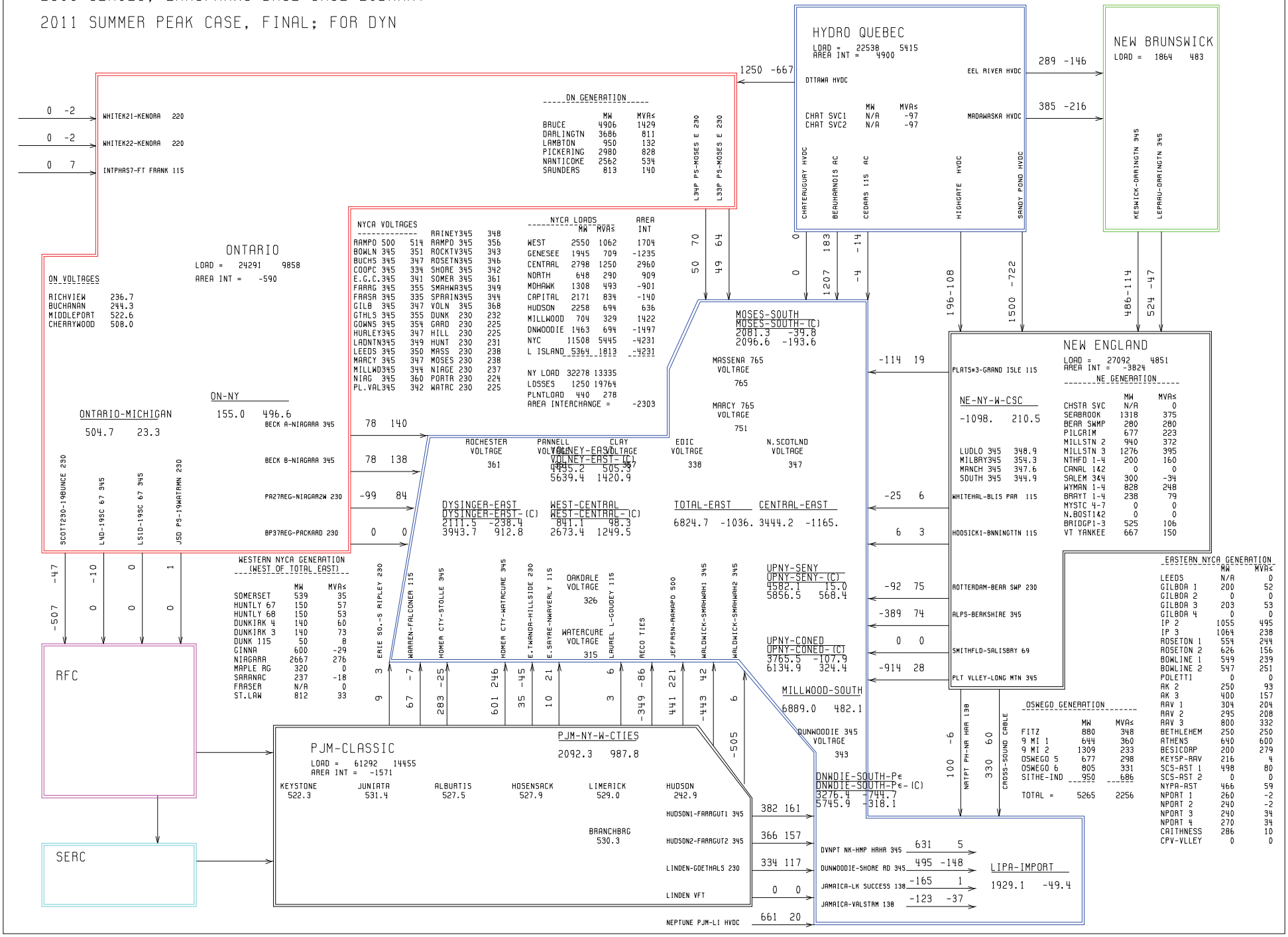
NY & OH VOLTAGES

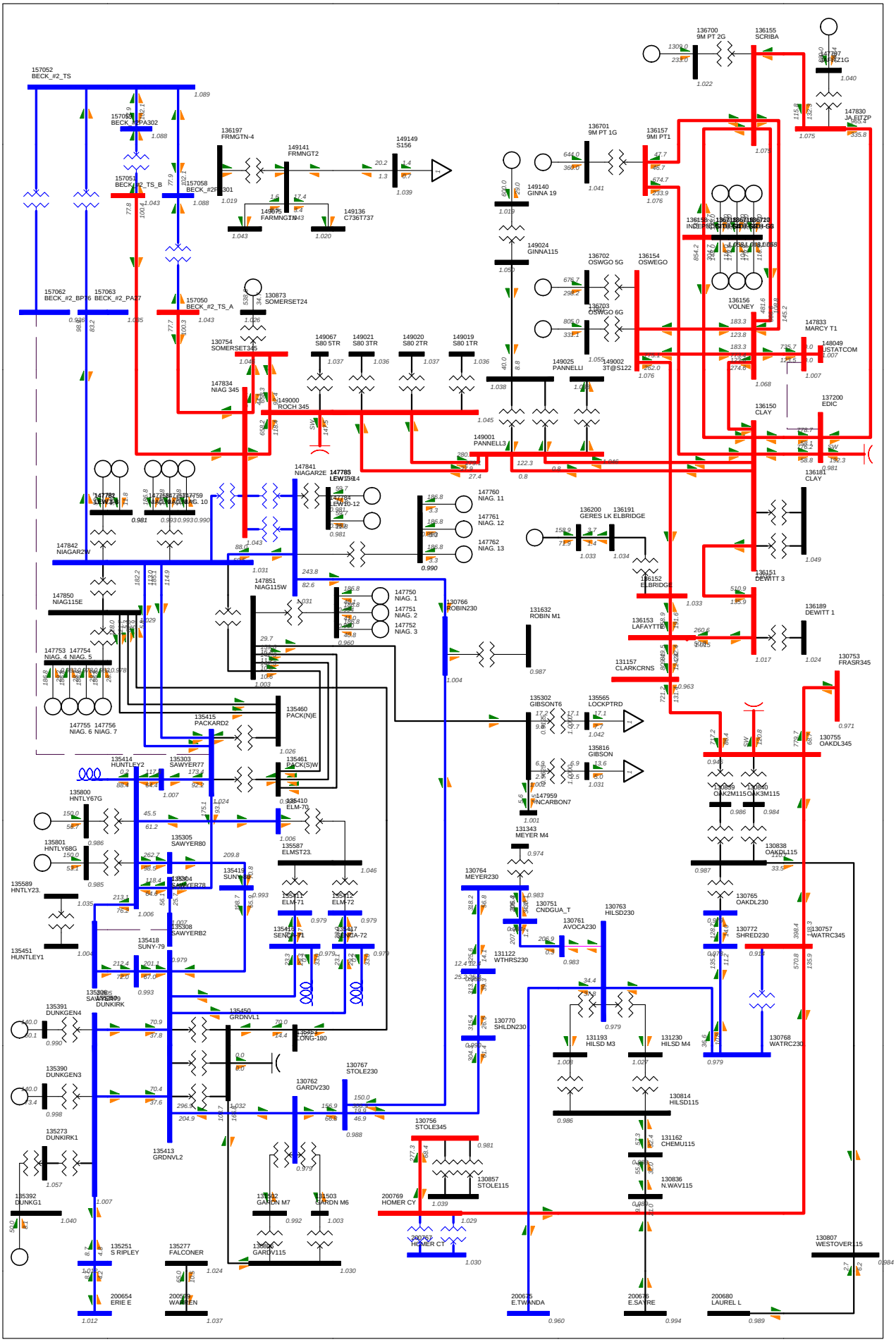
APPENDIX F: Oswego Export Limit - Marcy – Edic (UE1-7) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
WED, NOV 09 2011 8:54

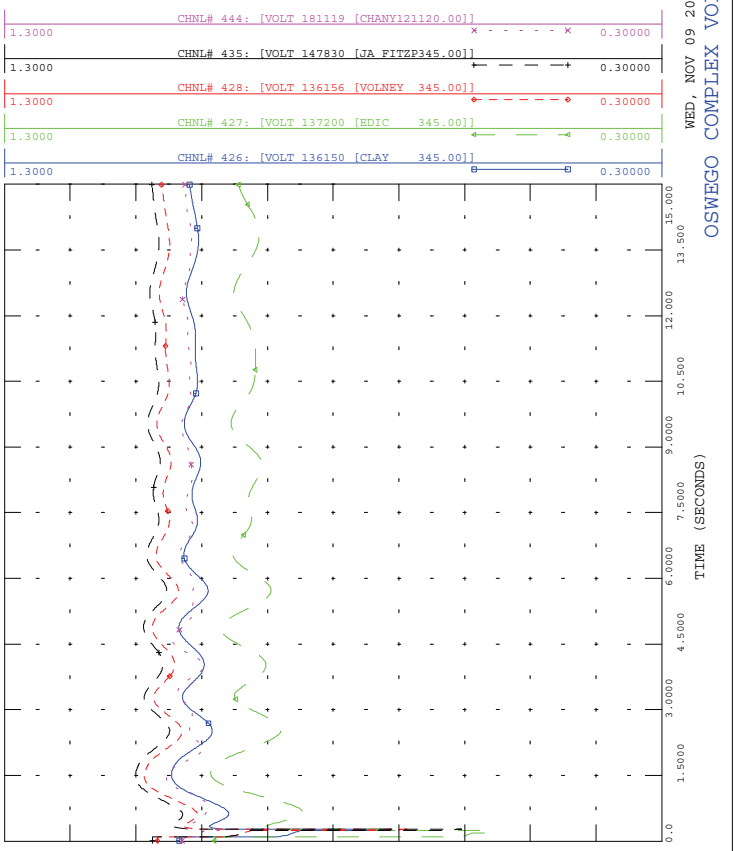
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

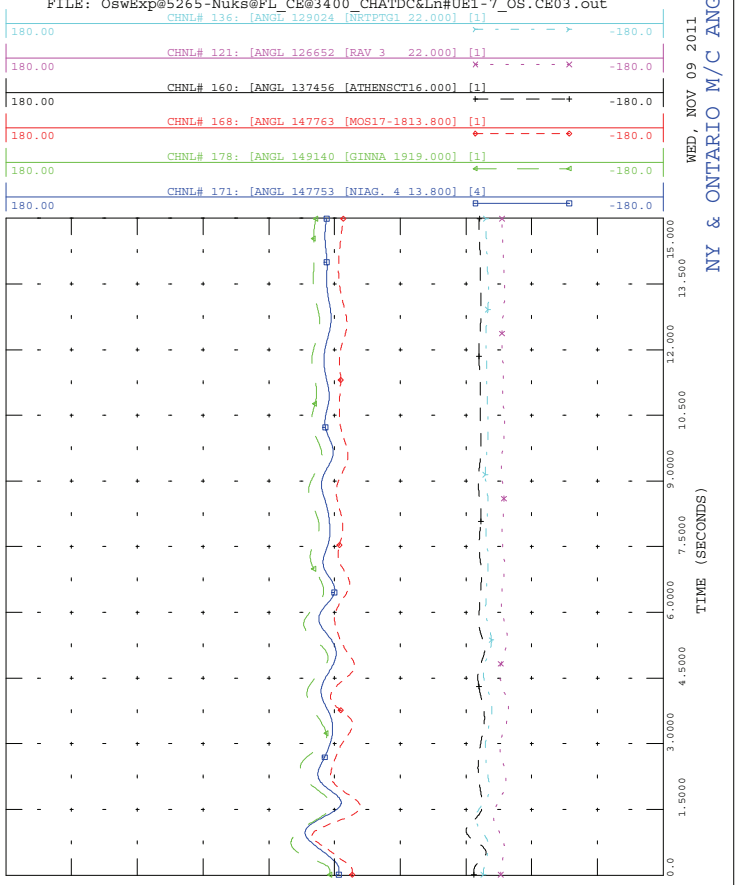
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE03.out



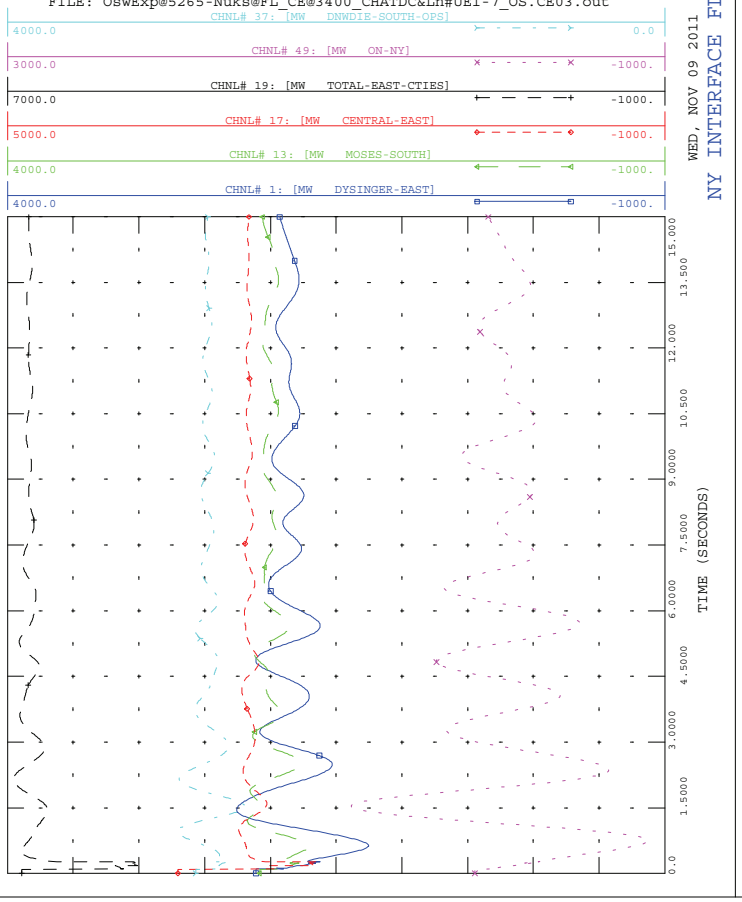
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE03.out



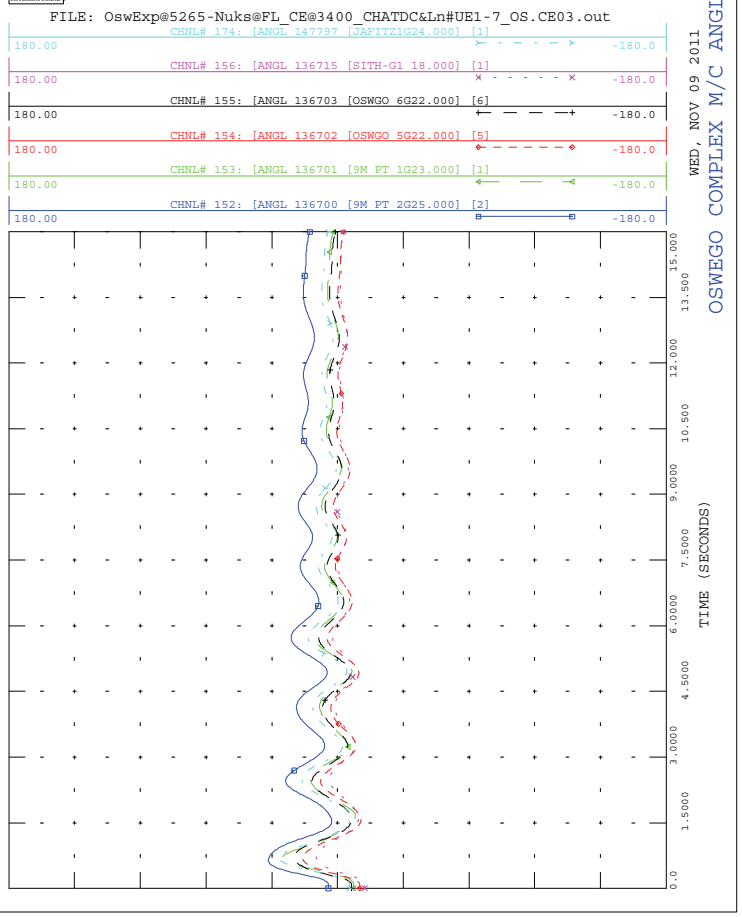
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

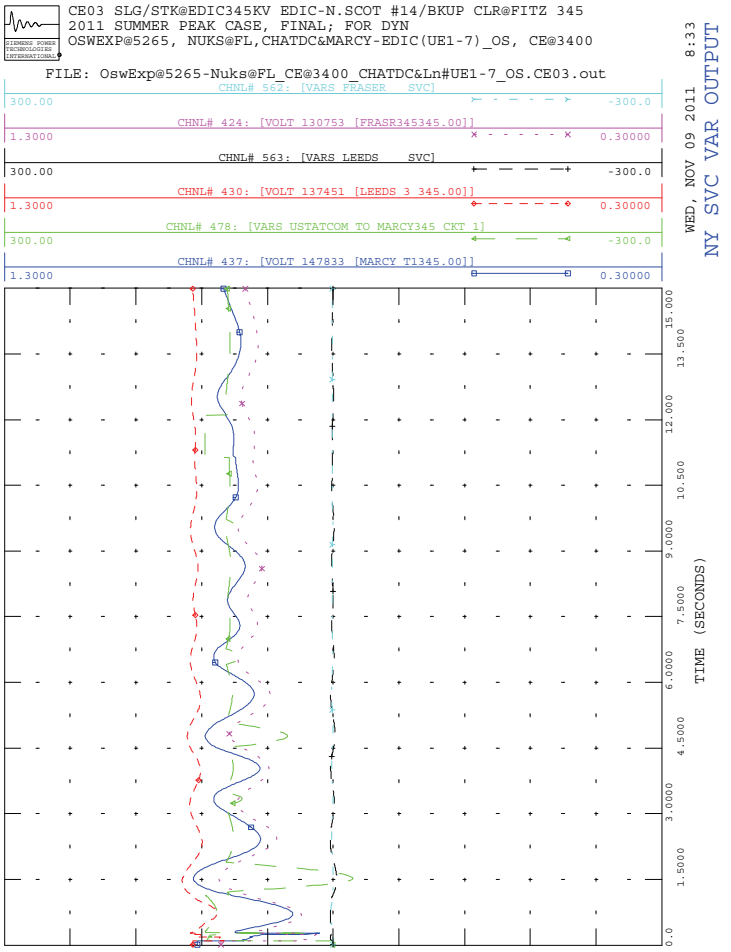
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE03.out

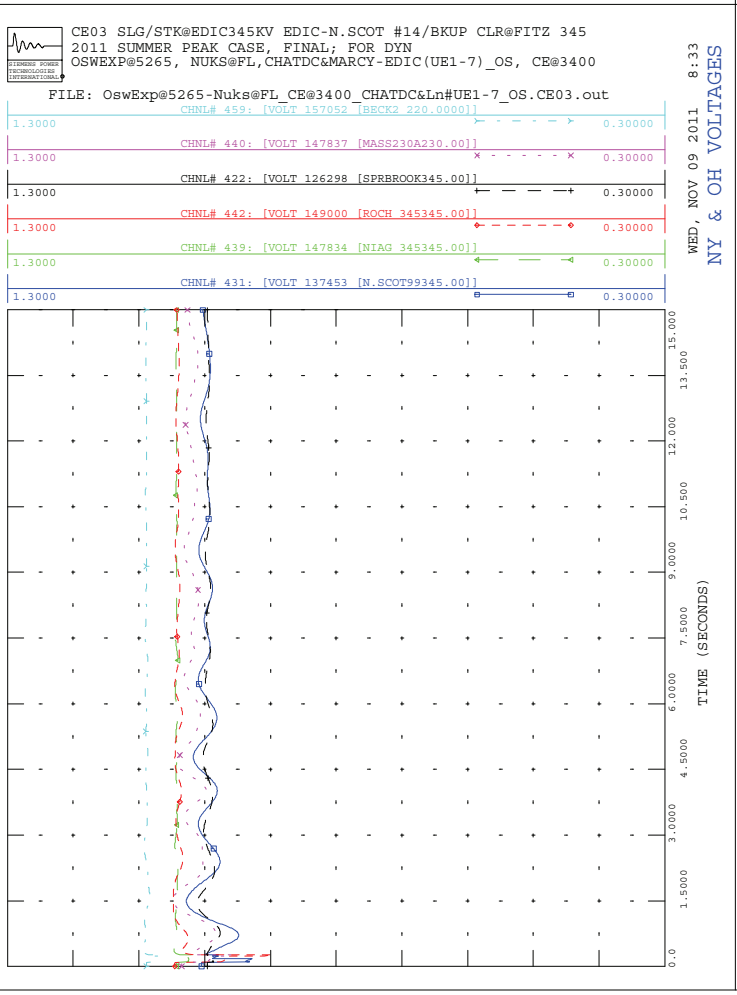


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE03.out

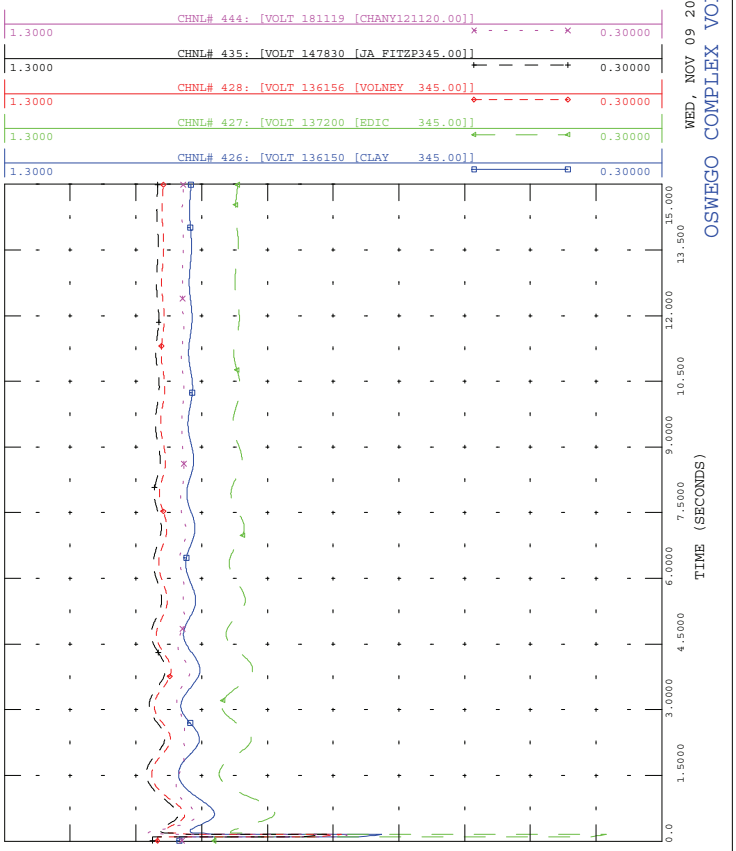



CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY & OH VOLTAGES

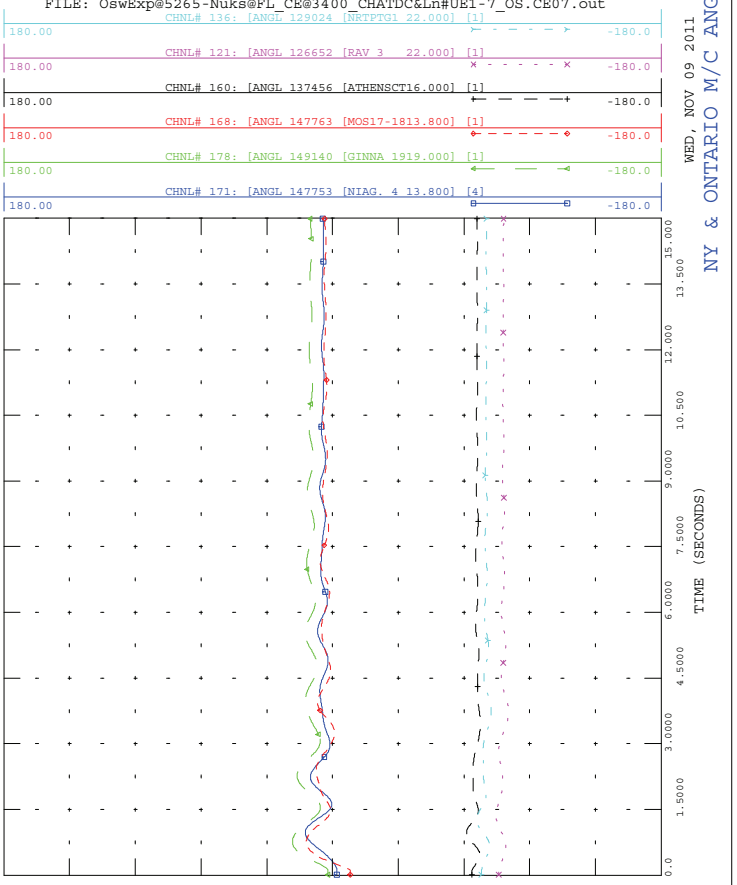
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE07.out



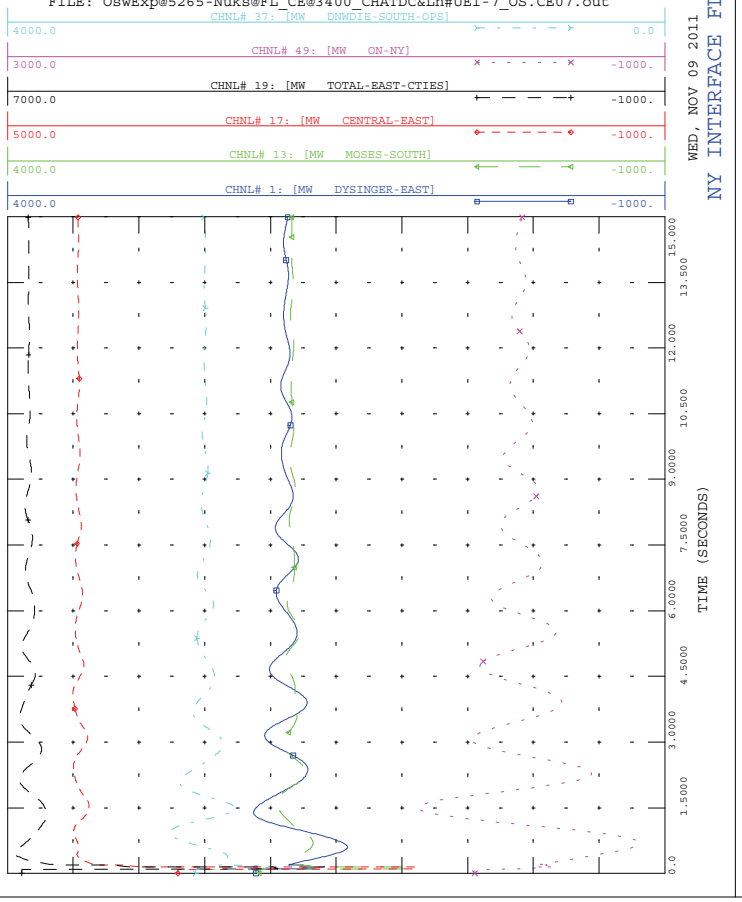
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE07.out



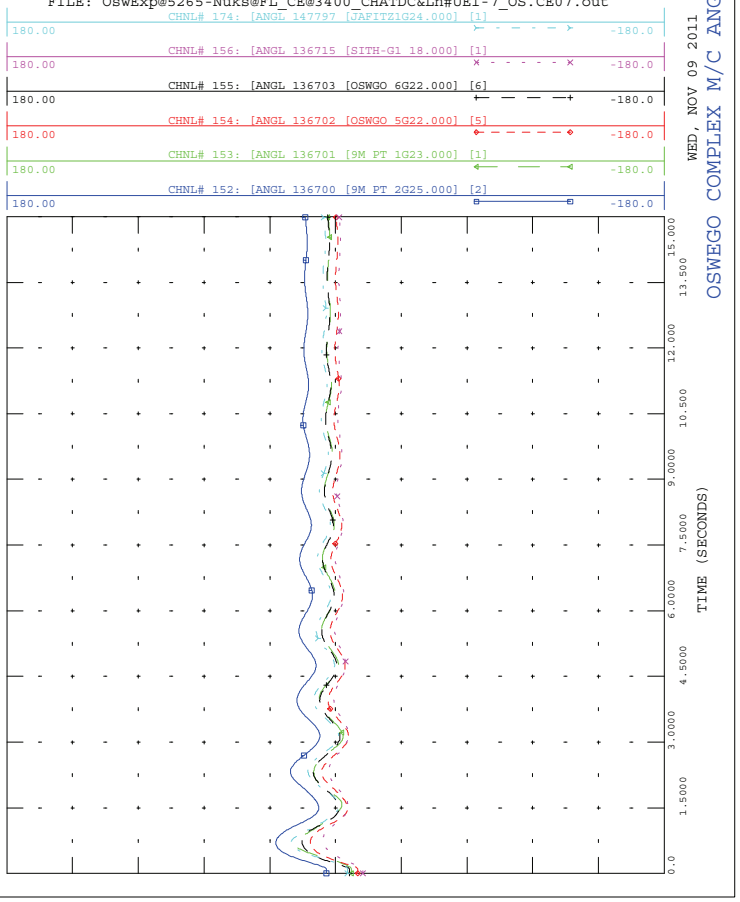
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE07.out



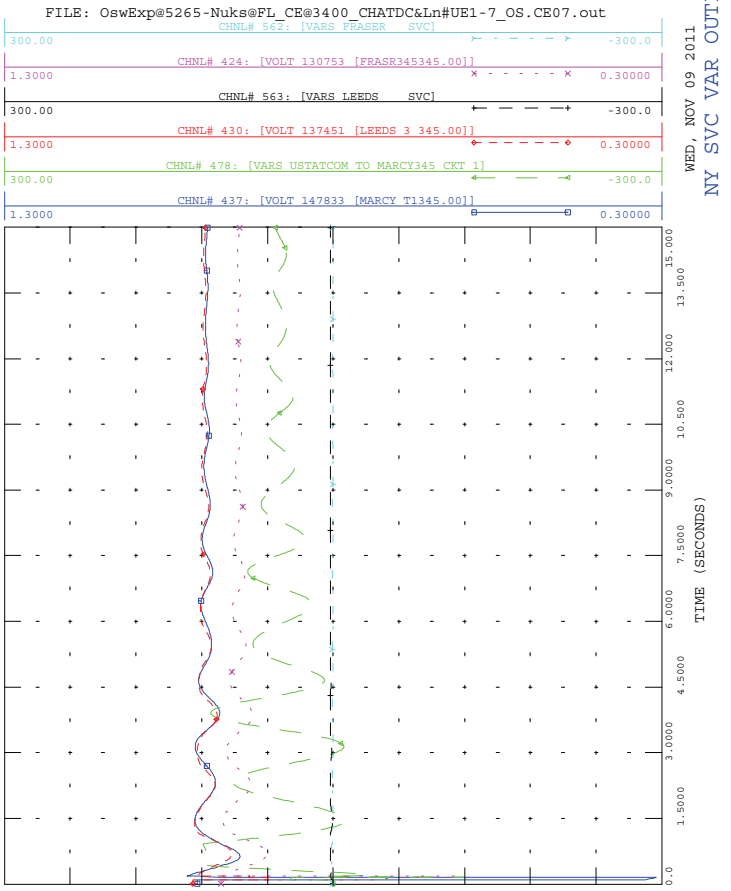
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE07.out



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE07.out

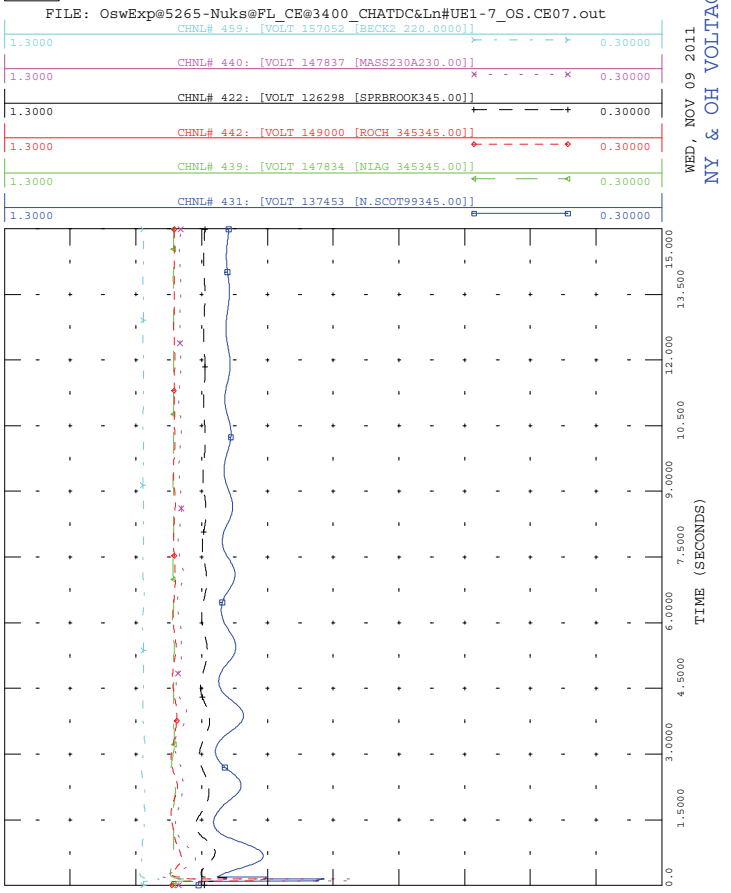


WED, NOV 09 2011 8:33

NY SVC VAR OUTPUT

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE07.out

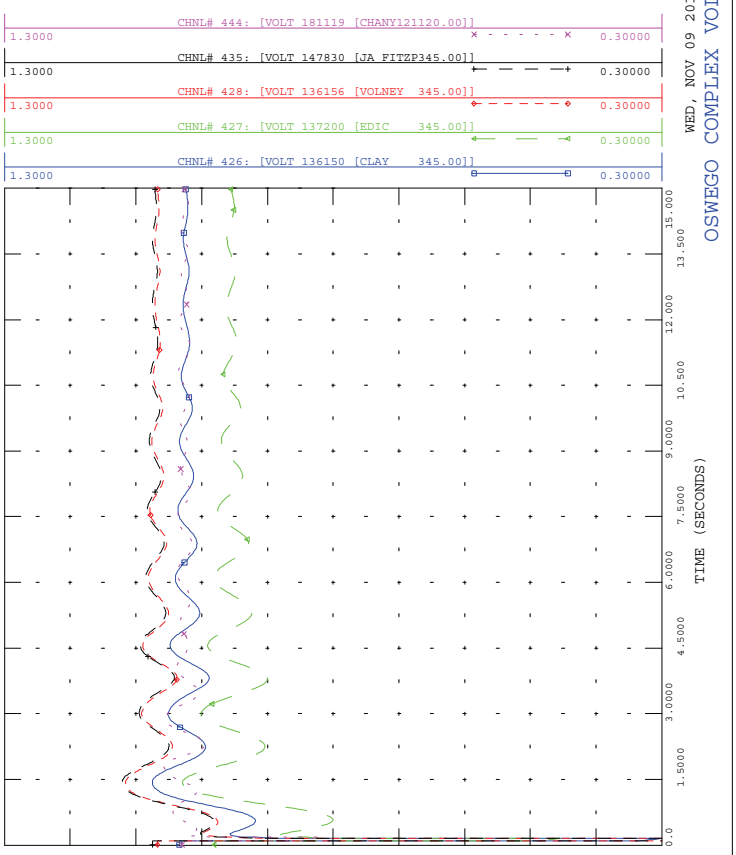


WED, NOV 09 2011 8:33

NY & OH VOLTAGES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE13.out

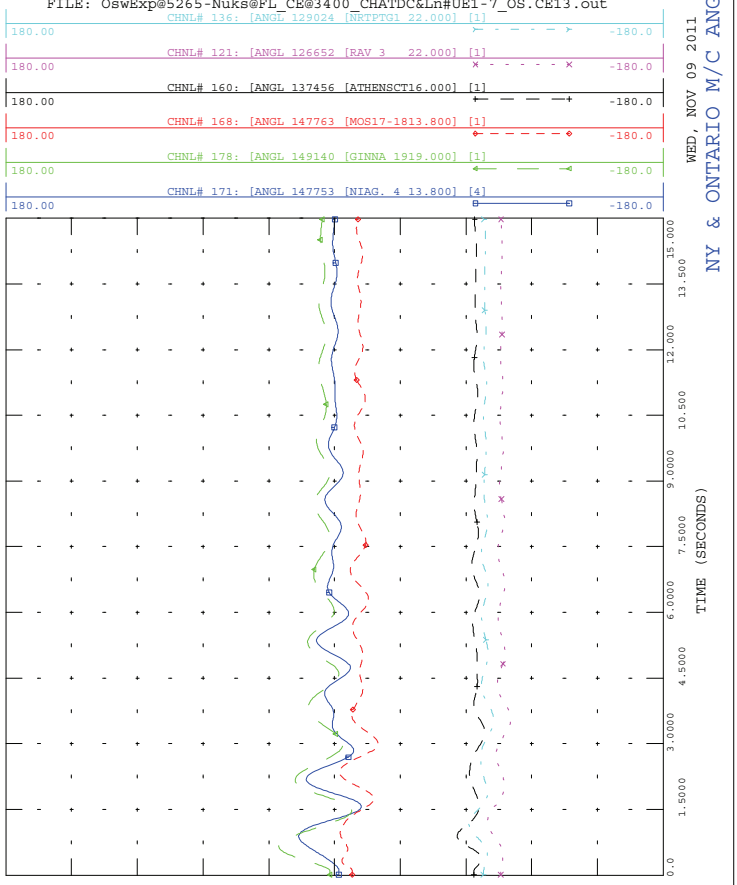


WED, NOV 09 2011 8:33

OSWEGO COMPLEX VOLTAGES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE13.out

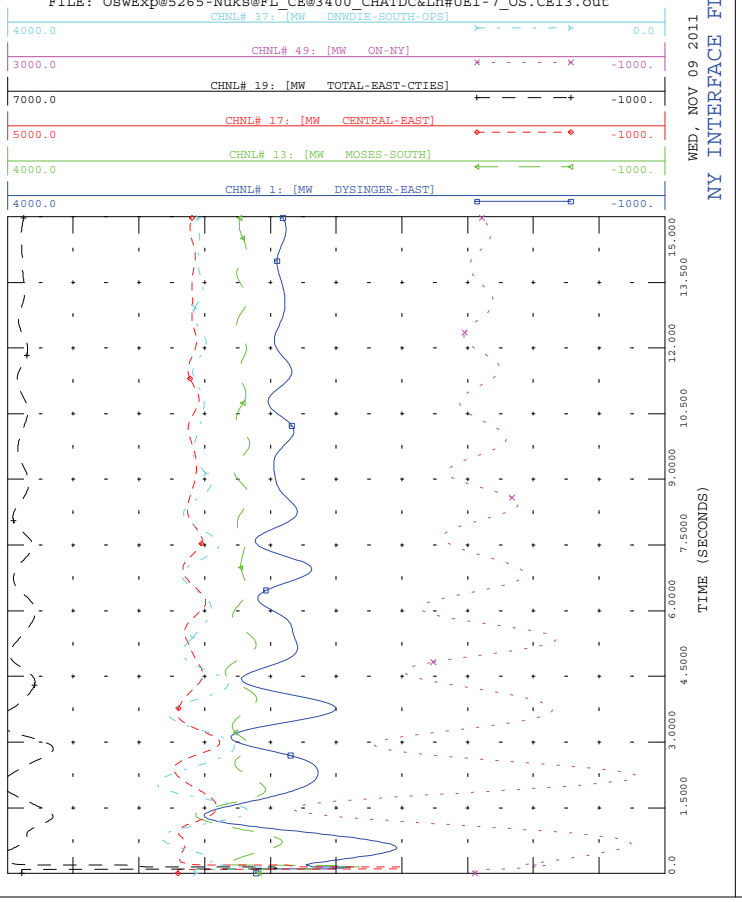


WED, NOV 09 2011 8:33

NY & ONTARIO M/C ANGLES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE13.out

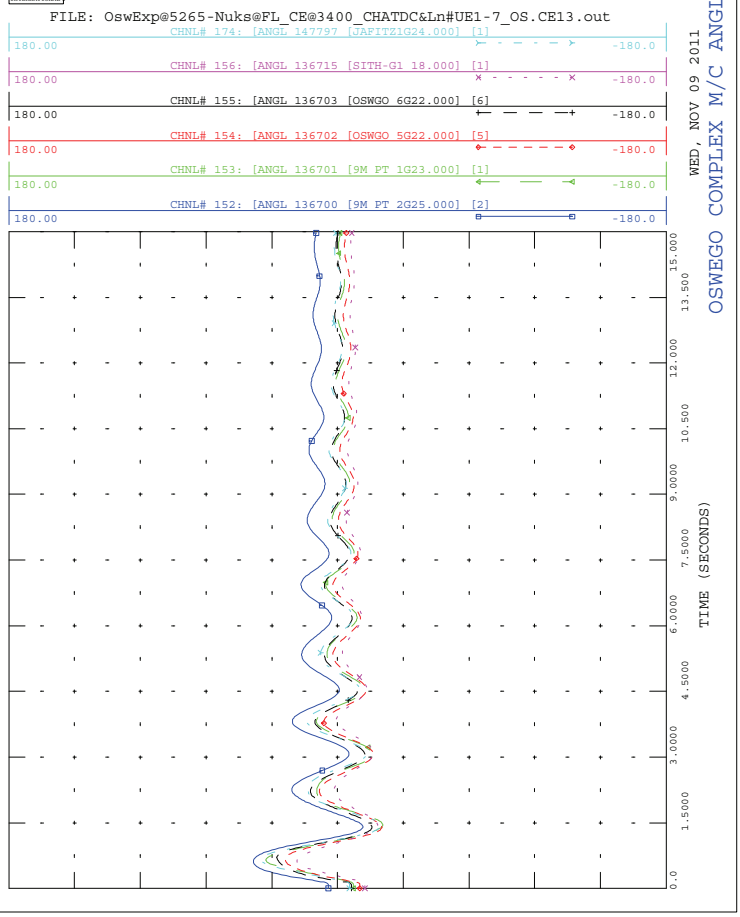


WED, NOV 09 2011 8:33

NY INTERFACE FLOWS

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE13.out

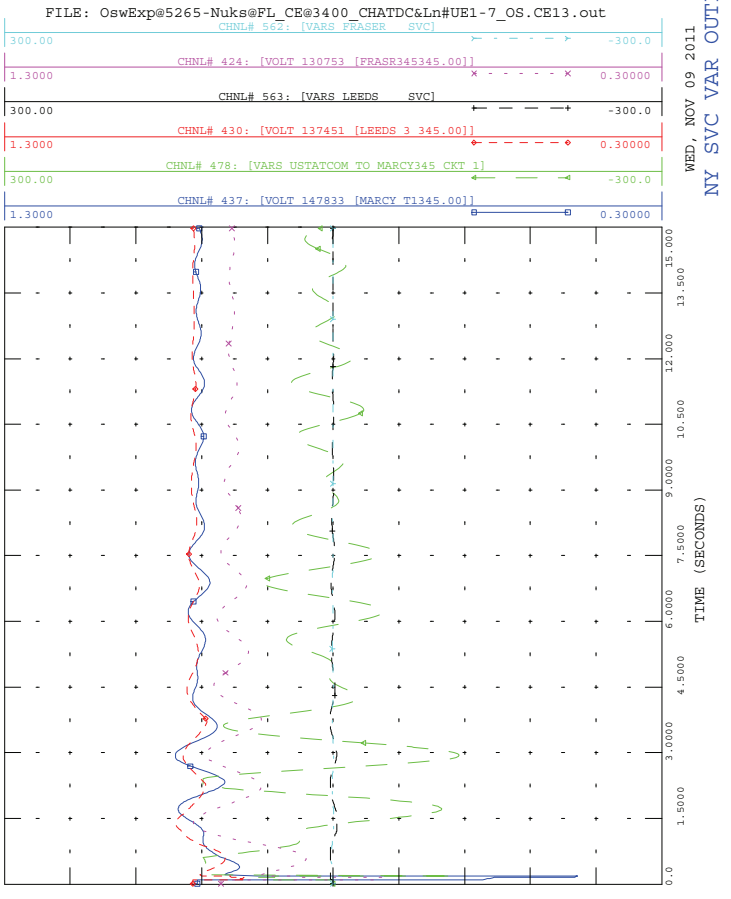


WED, NOV 09 2011 8:33

OSWEGO COMPLEX M/C ANGLES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE13.out

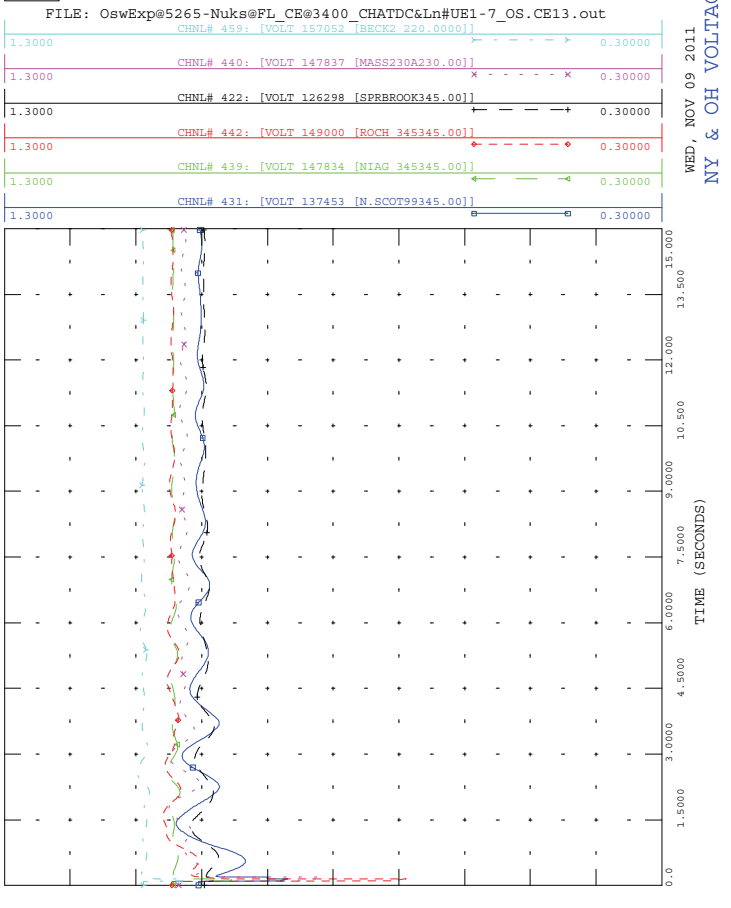


WED, NOV 09 2011 8:33

NY SVC VAR OUTPUT

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE13.out



WED, NOV 09 2011 8:33

NY & OH VOLTAGES

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

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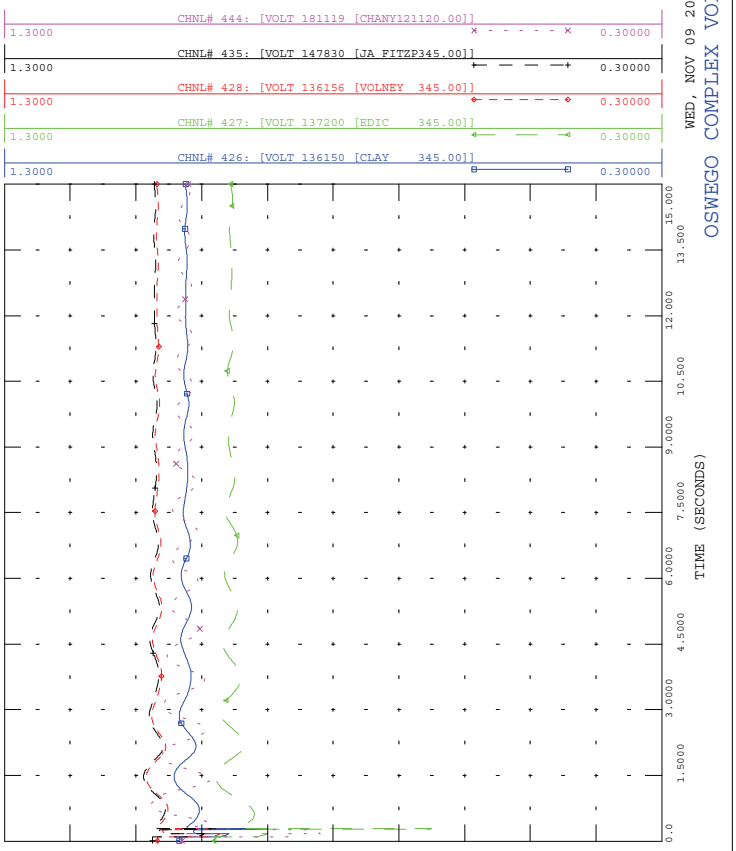
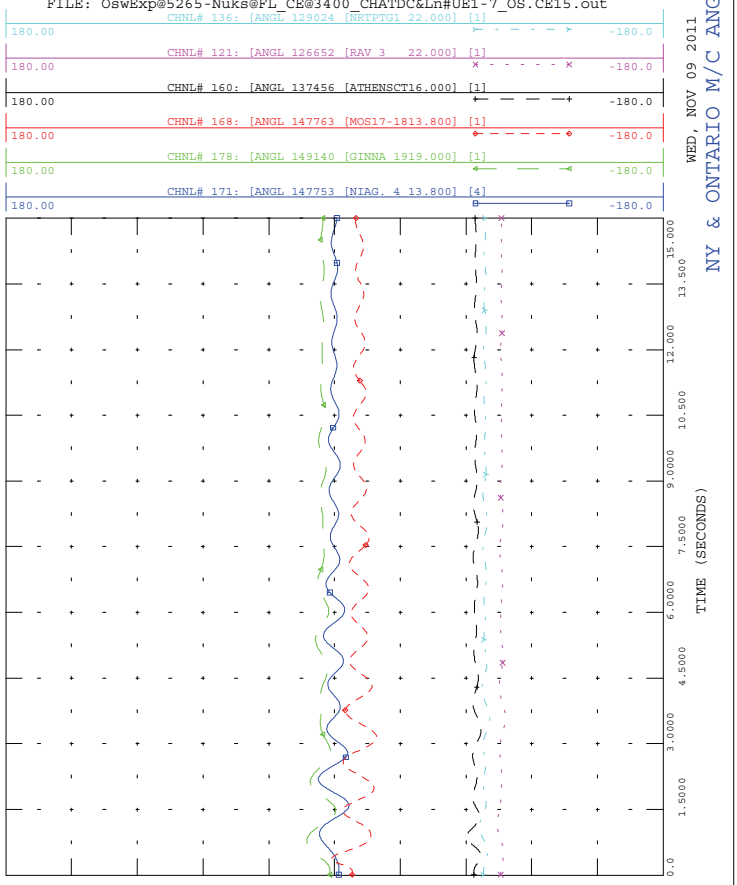


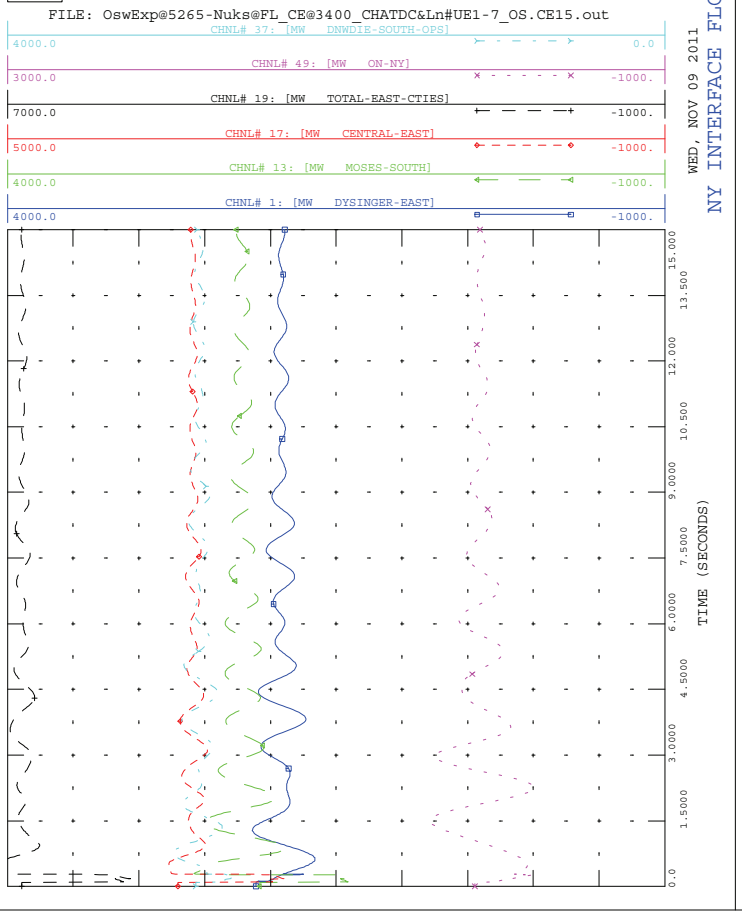
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE15.out



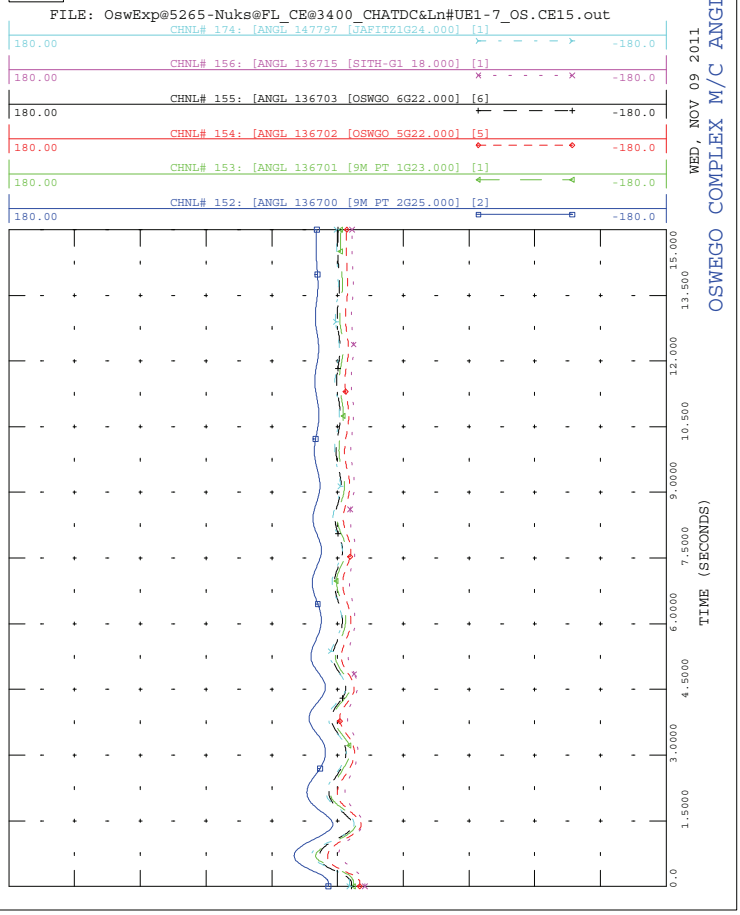
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE15.out



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE15.out

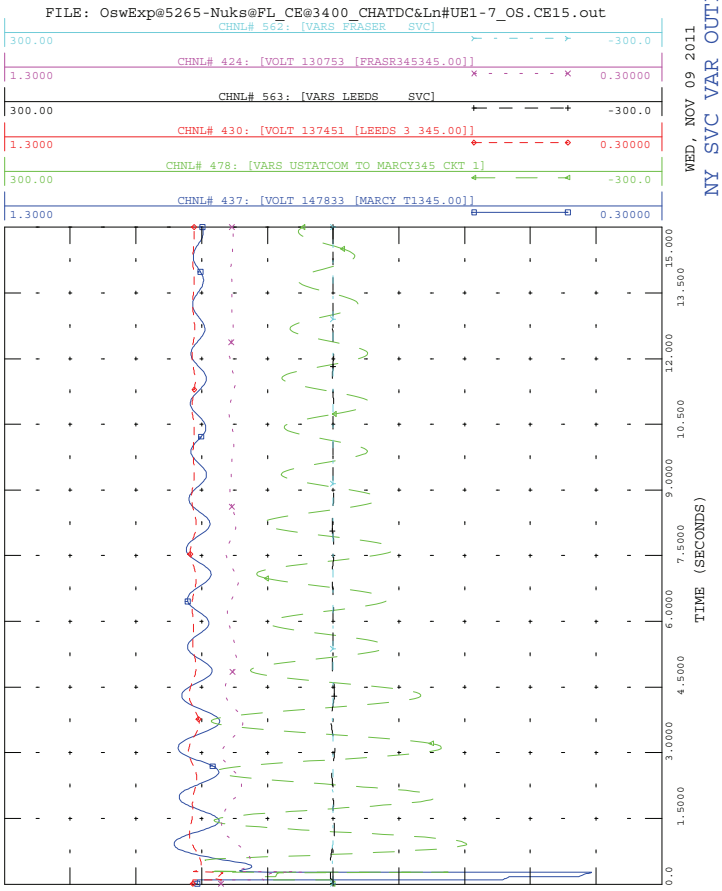


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE15.out

WED, NOV 09 2011 8:33

NY SVC VAR OUTPUT

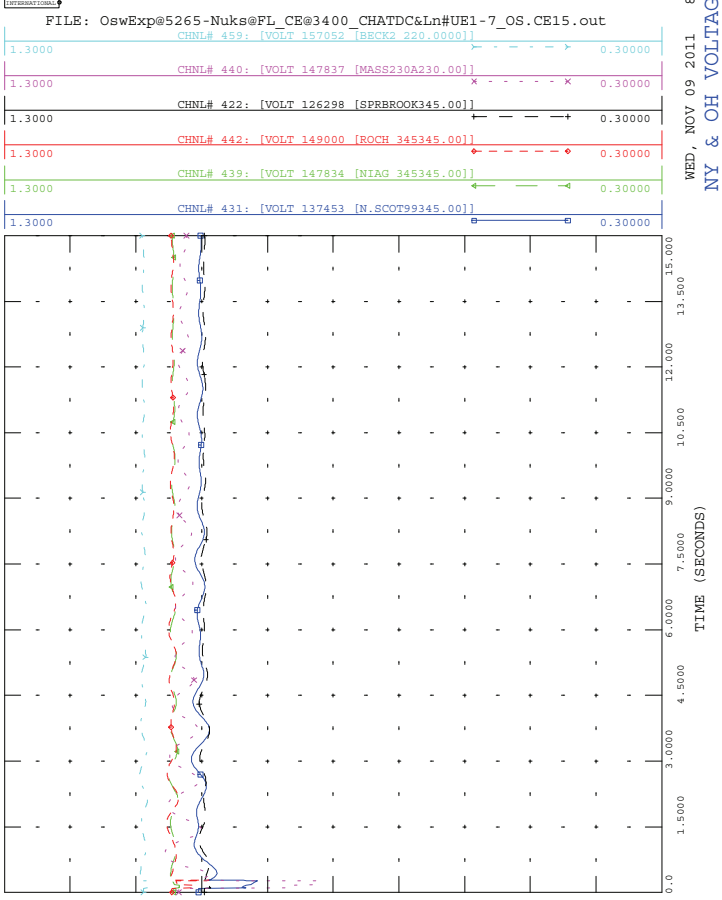


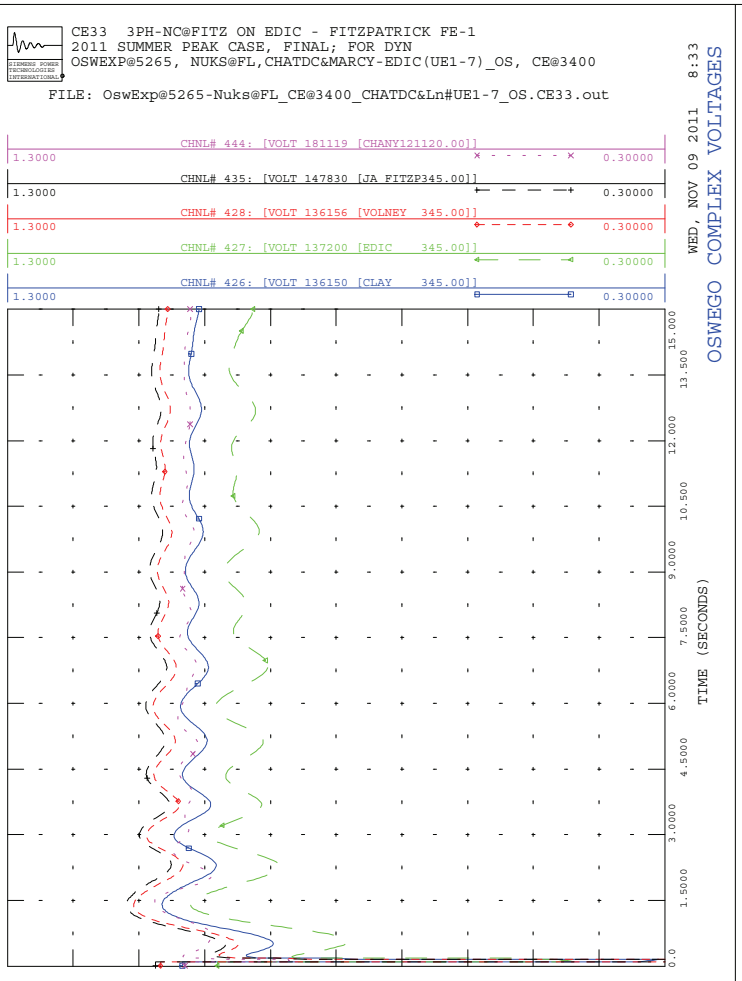
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE15.out

WED, NOV 09 2011 8:33

NY & OH VOLTAGES




CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
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CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
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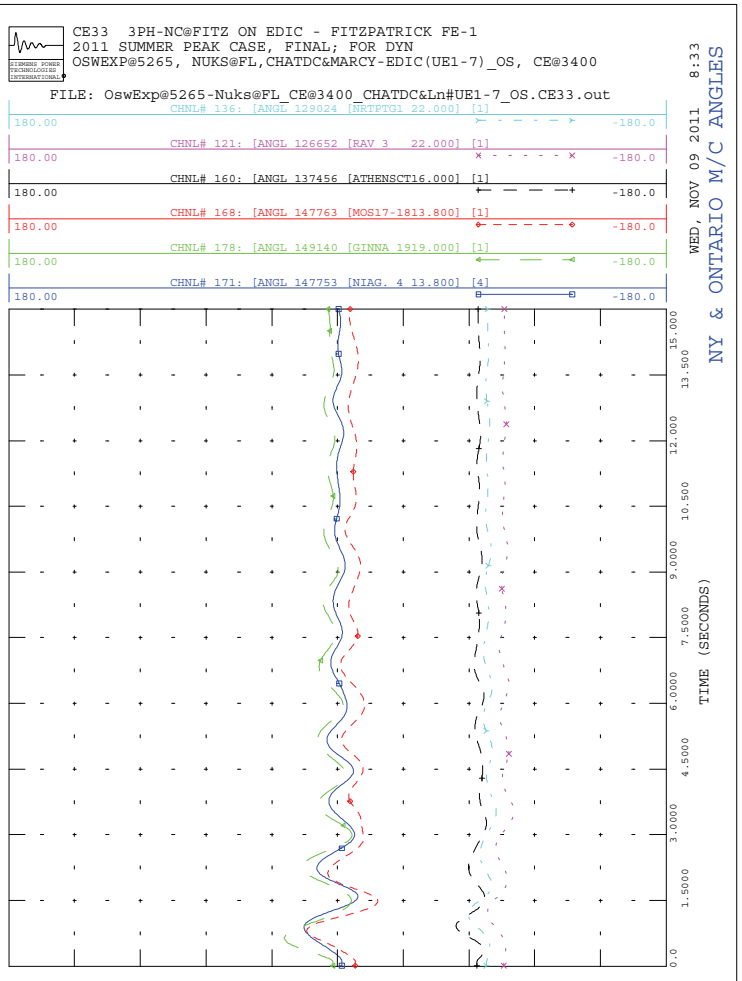
WED, NOV 09 2011 8:33
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE33.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
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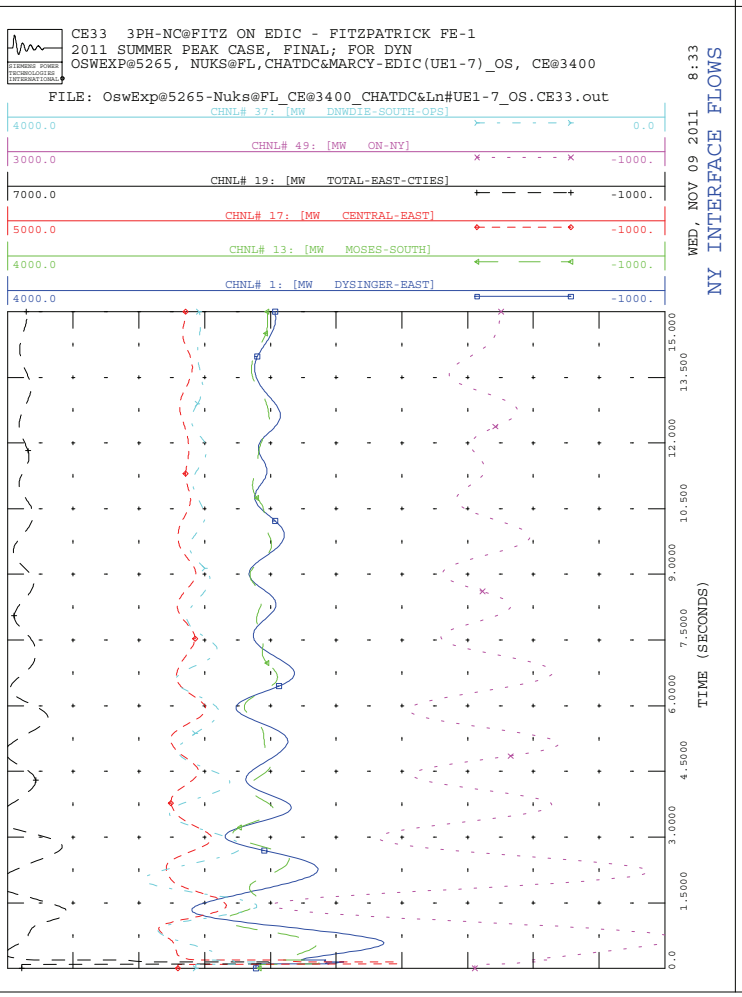
WED, NOV 09 2011 8:33
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
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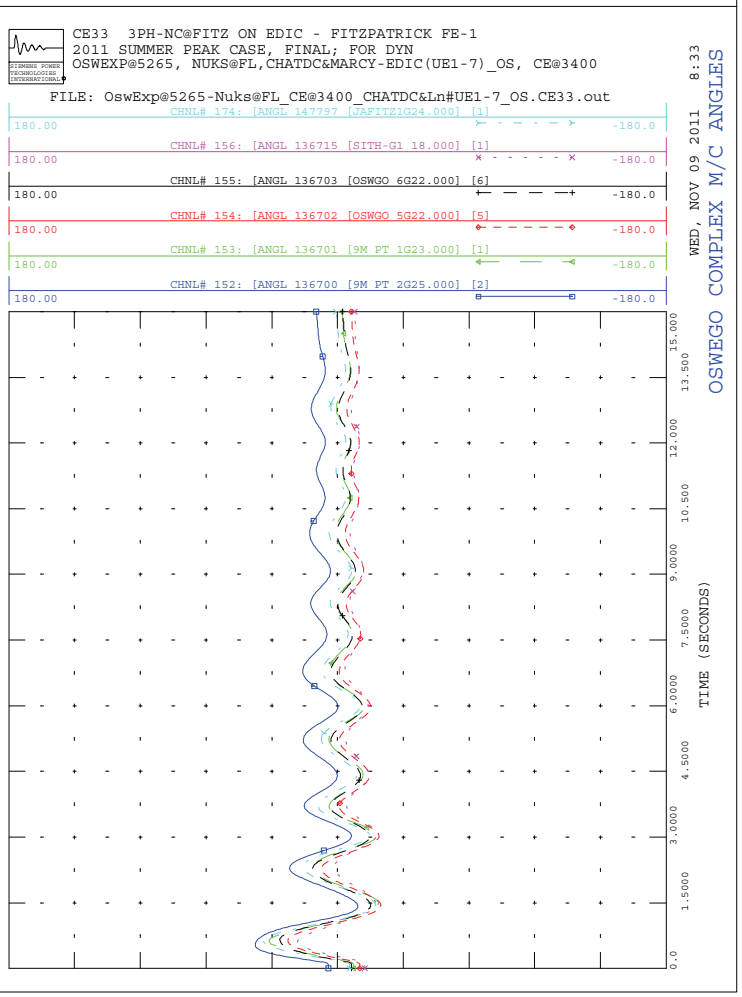
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
WED, NOV 09 2011 8:33
NY INTERFACE FLOWS
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE33.out
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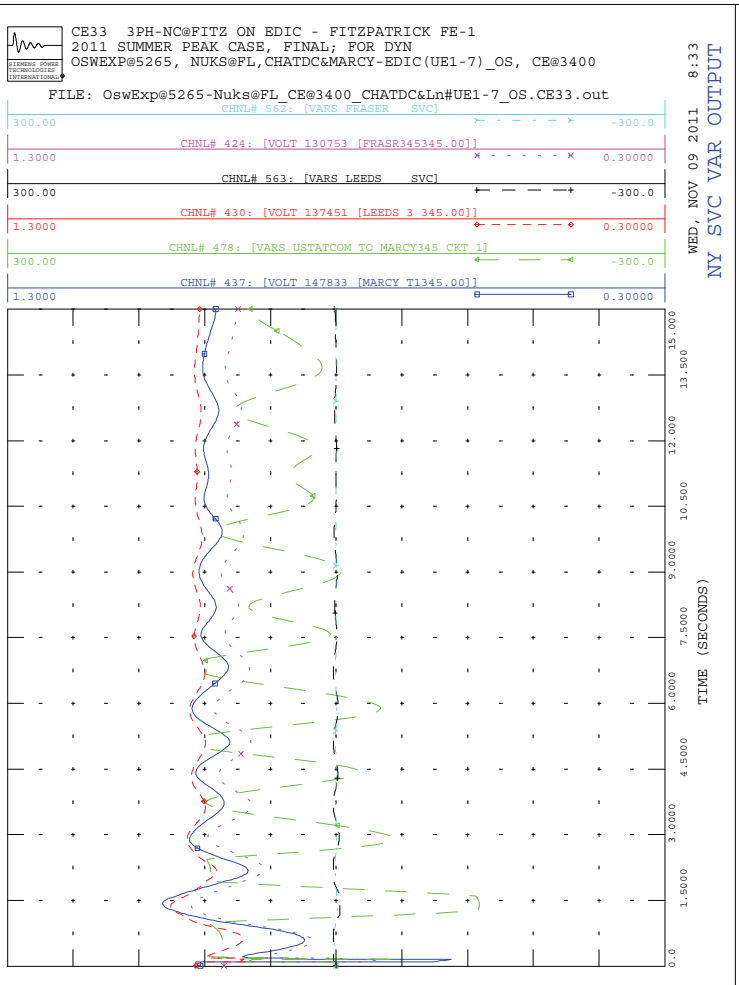
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
WED, NOV 09 2011 8:33
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
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-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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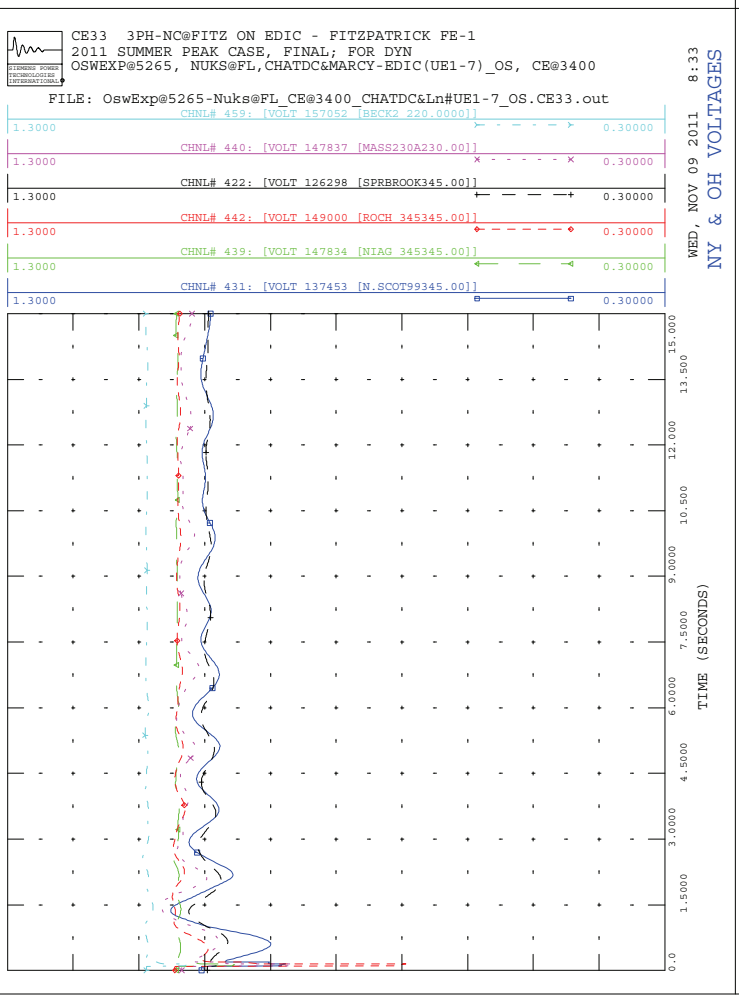
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY SVC VAR OUTPUT


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE33.out
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CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
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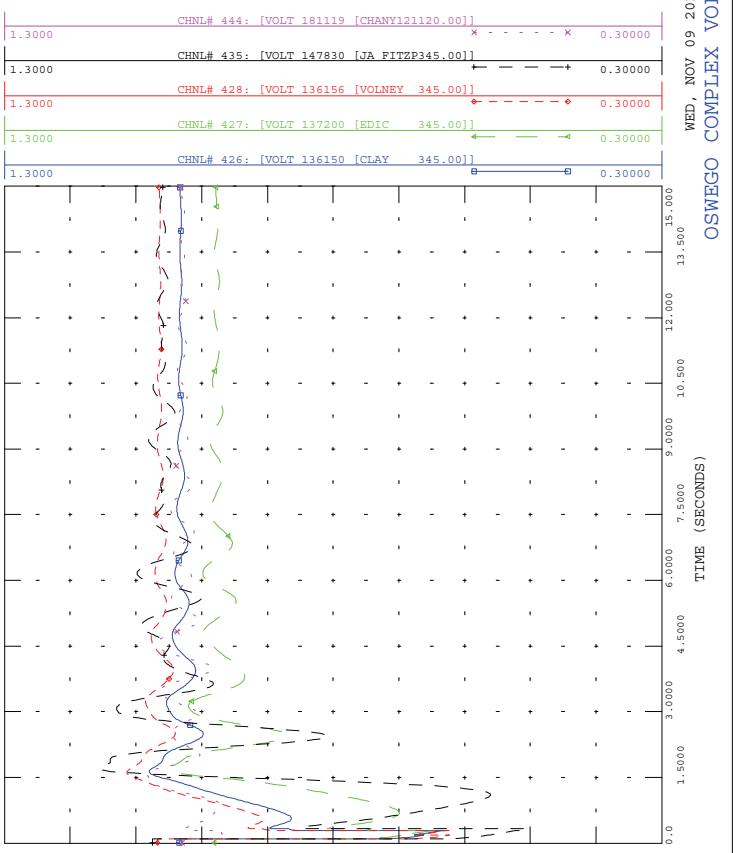
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY & OH VOLTAGES

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE99.out

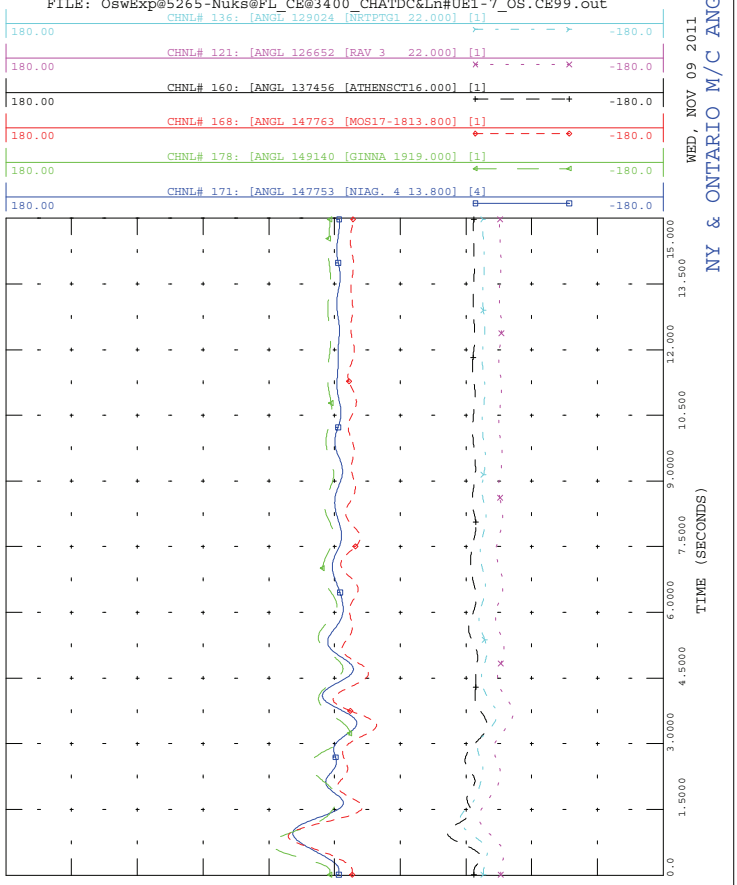


WED, NOV 09 2011 8:33

OSWEGO COMPLEX VOLTAGES

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE99.out

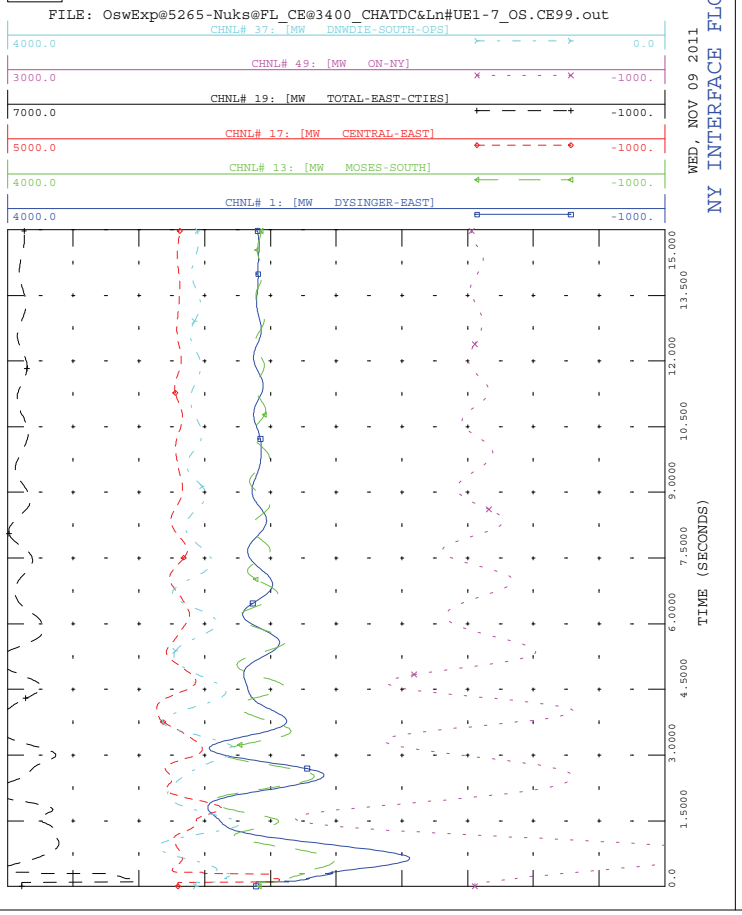


WED, NOV 09 2011 8:33

NY & ONTARIO M/C ANGLES

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE99.out

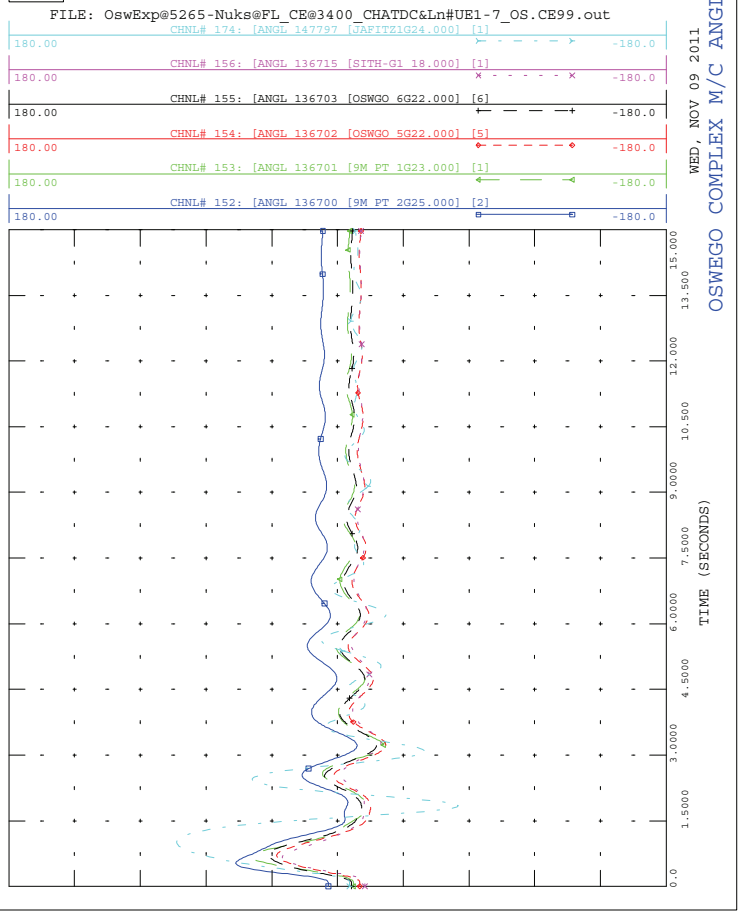


WED, NOV 09 2011 8:33

NY INTERFACE FLOWS

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE99.out



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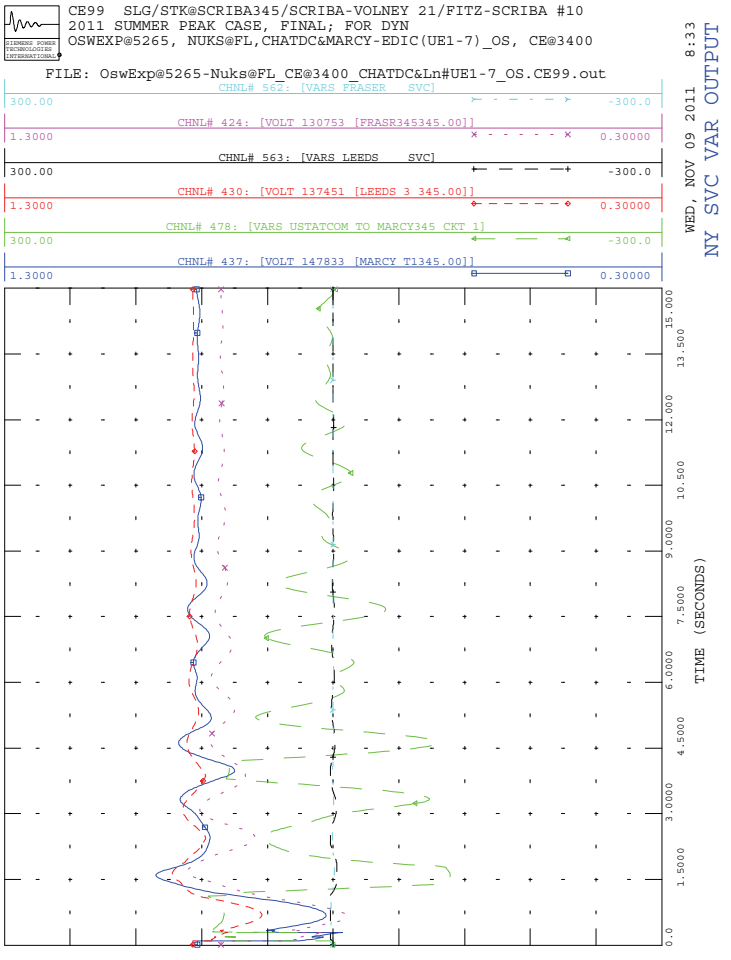
OSWEGO COMPLEX M/C ANGLES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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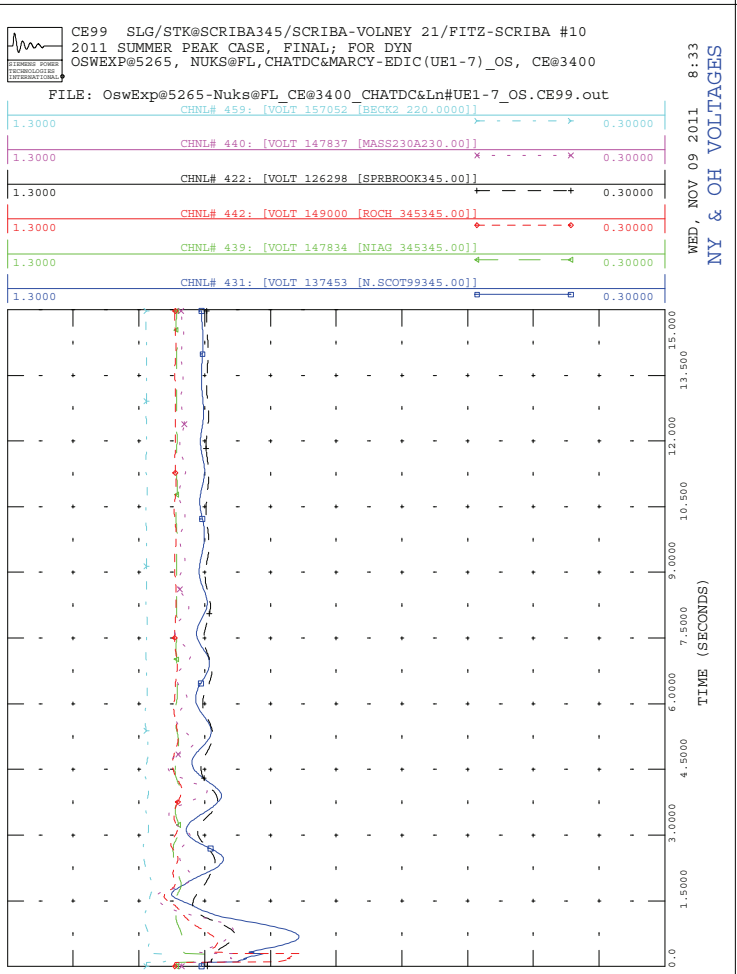
15.000
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
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0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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0.0
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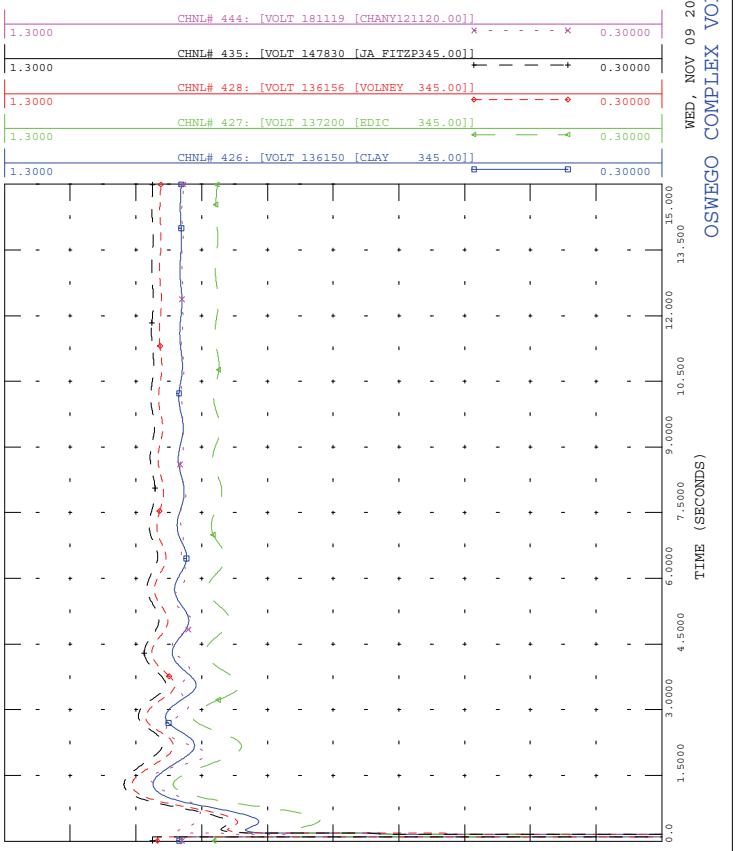
13.500
15.000
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY & OH VOLTAGES

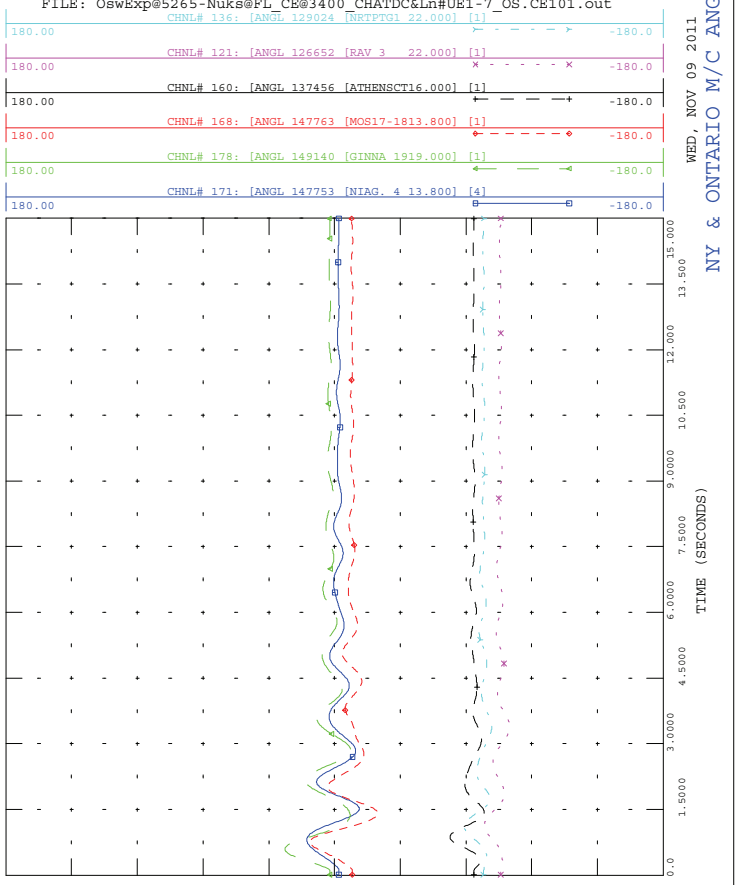
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE101.out



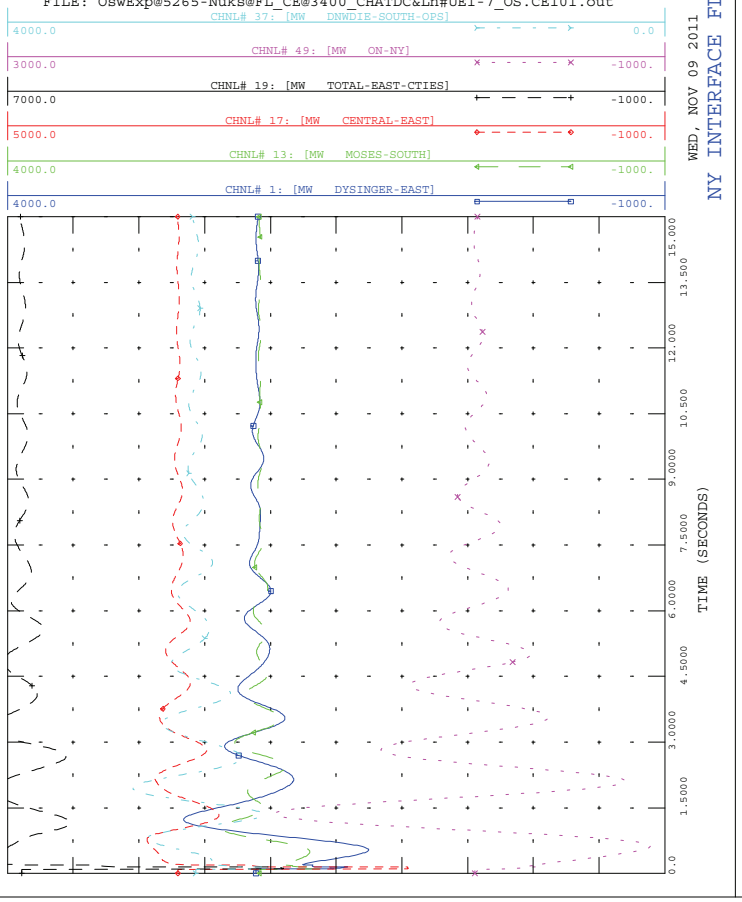
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE101.out



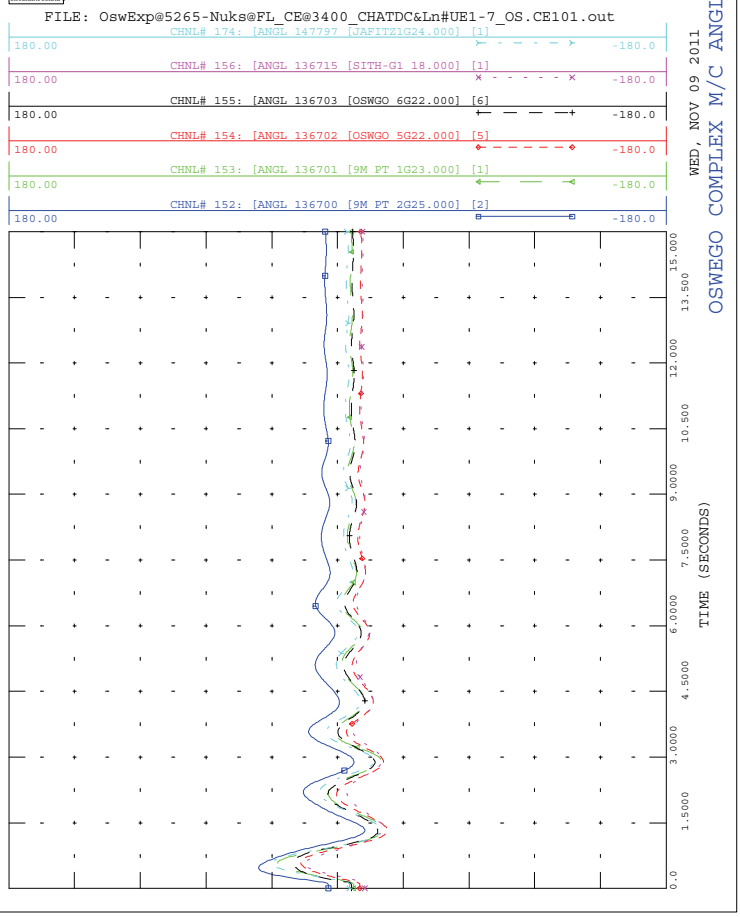
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

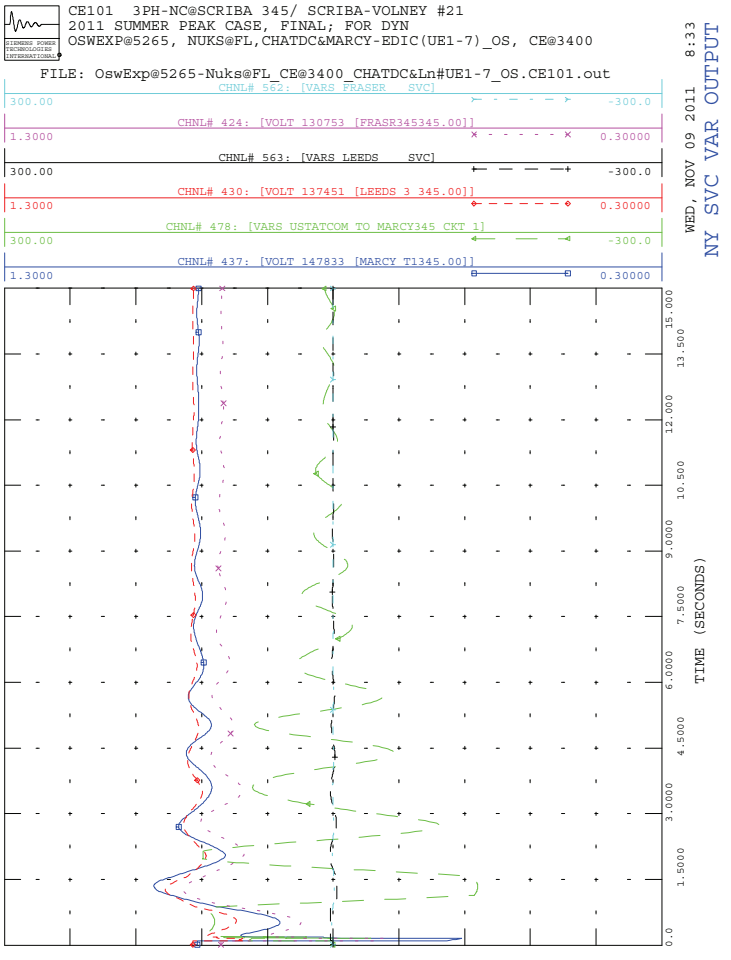
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE101.out




CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE101.out
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300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
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0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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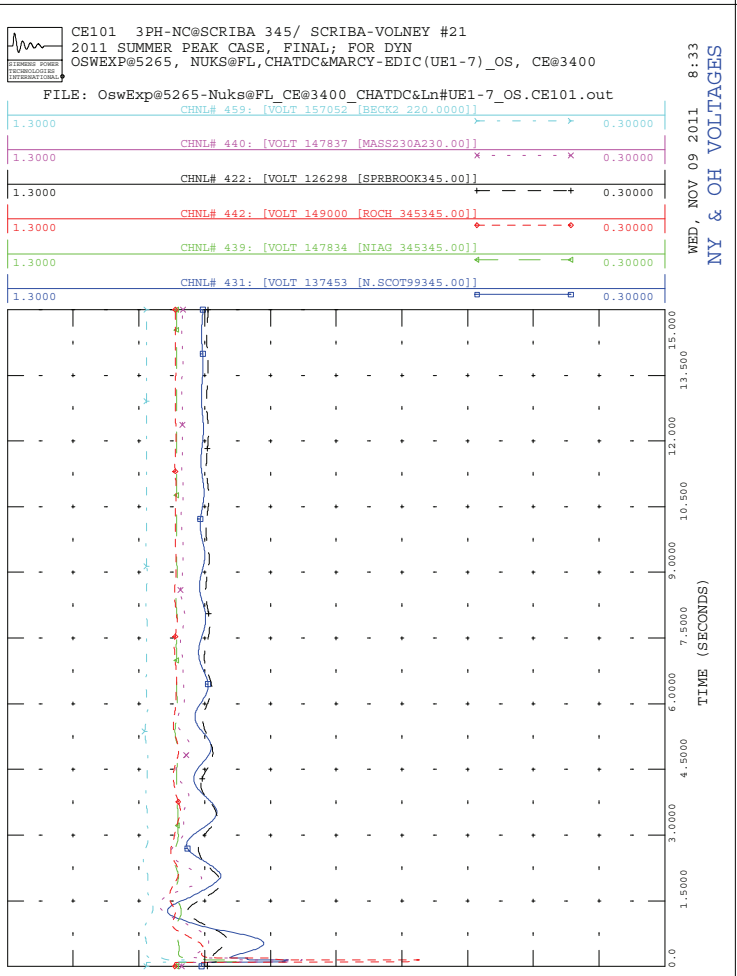
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY SVC VAR OUTPUT


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.CE101.out
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0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
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0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
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0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
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0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
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0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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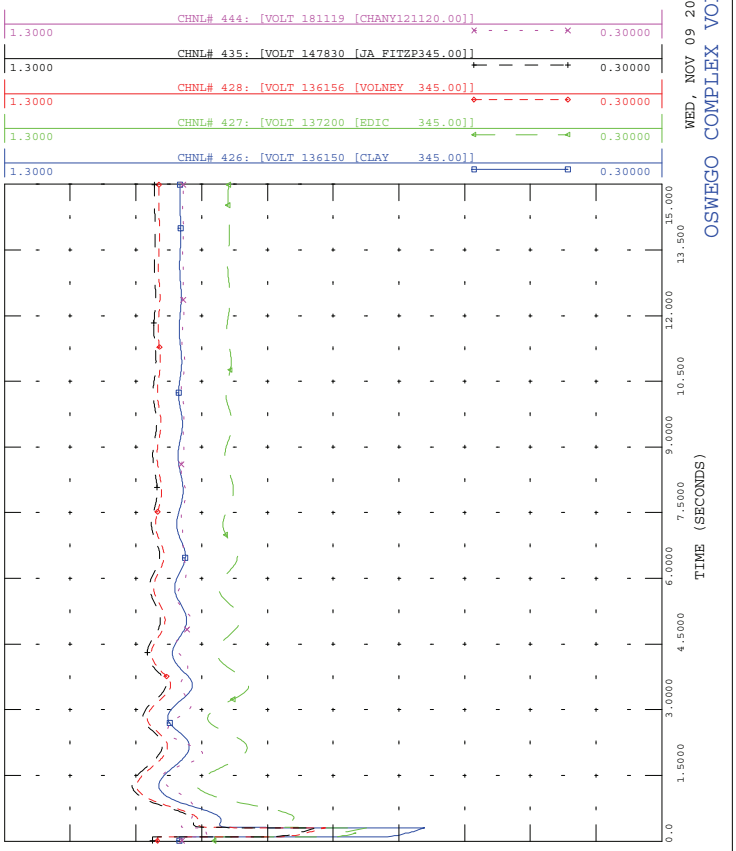
TIME (SECONDS)
WED, NOV 09 2011 8:33
NY & OH VOLTAGES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

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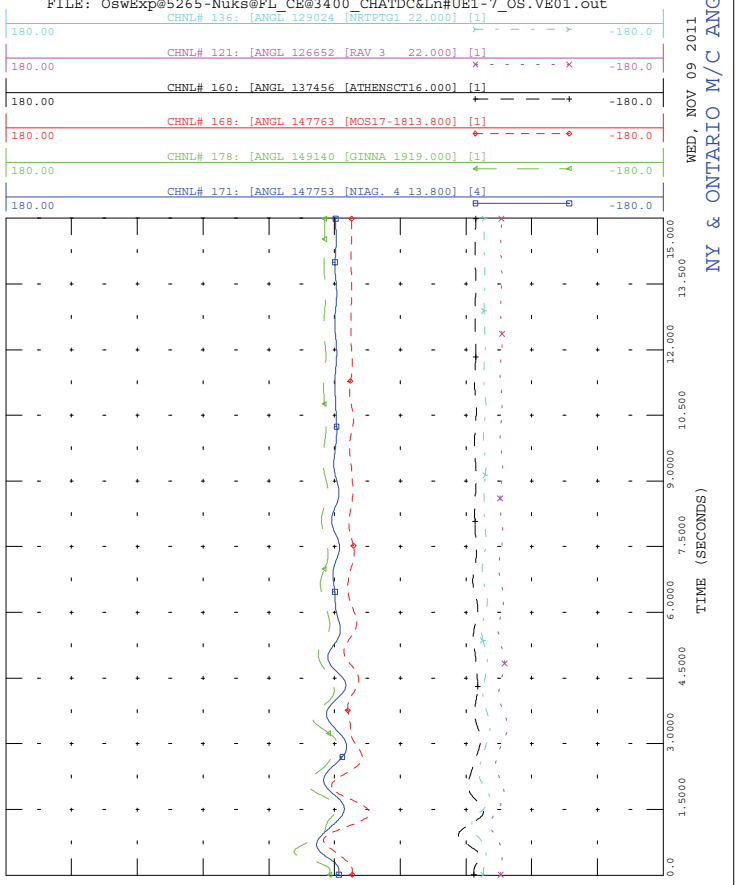
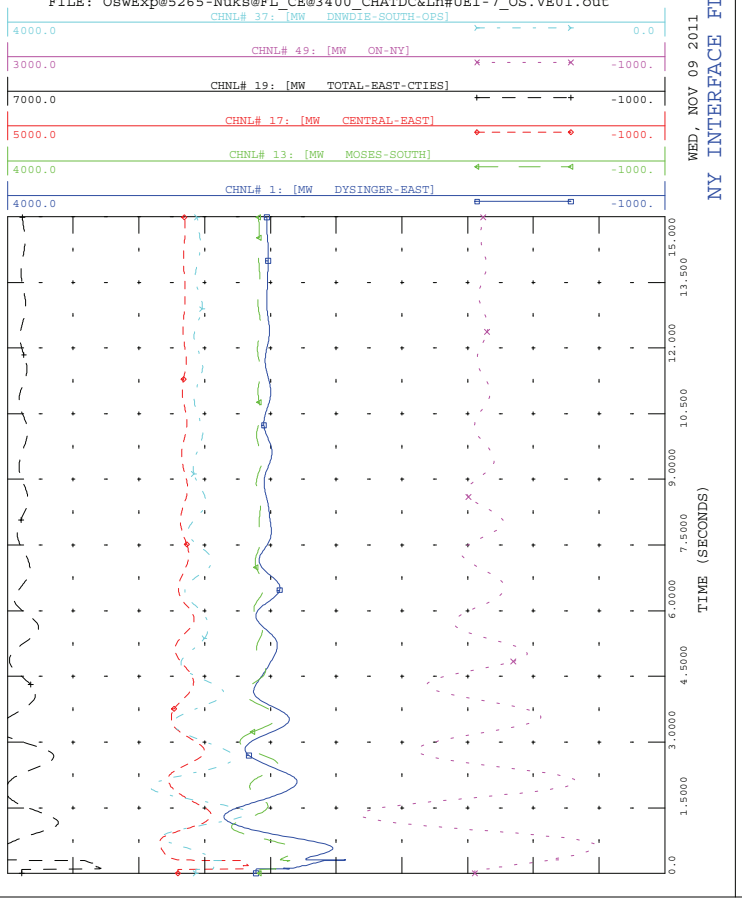


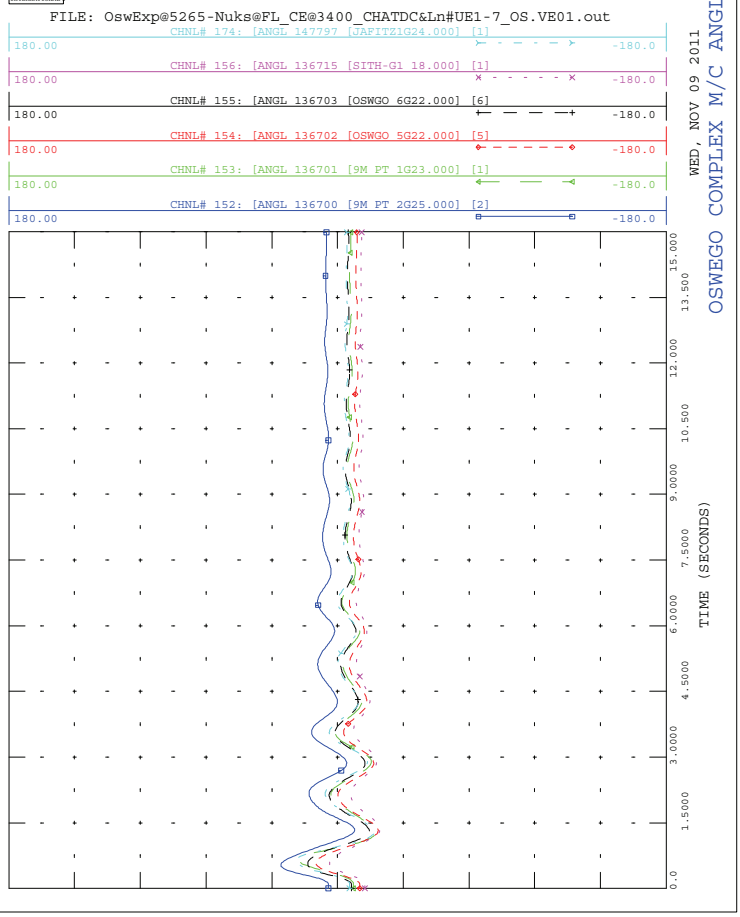
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.VE01.out



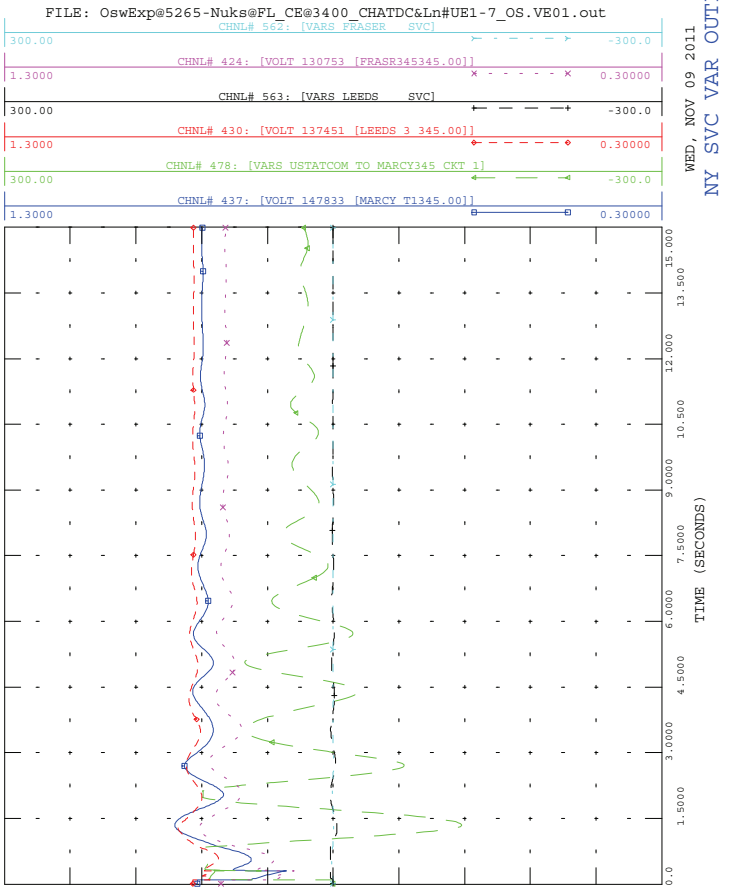
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

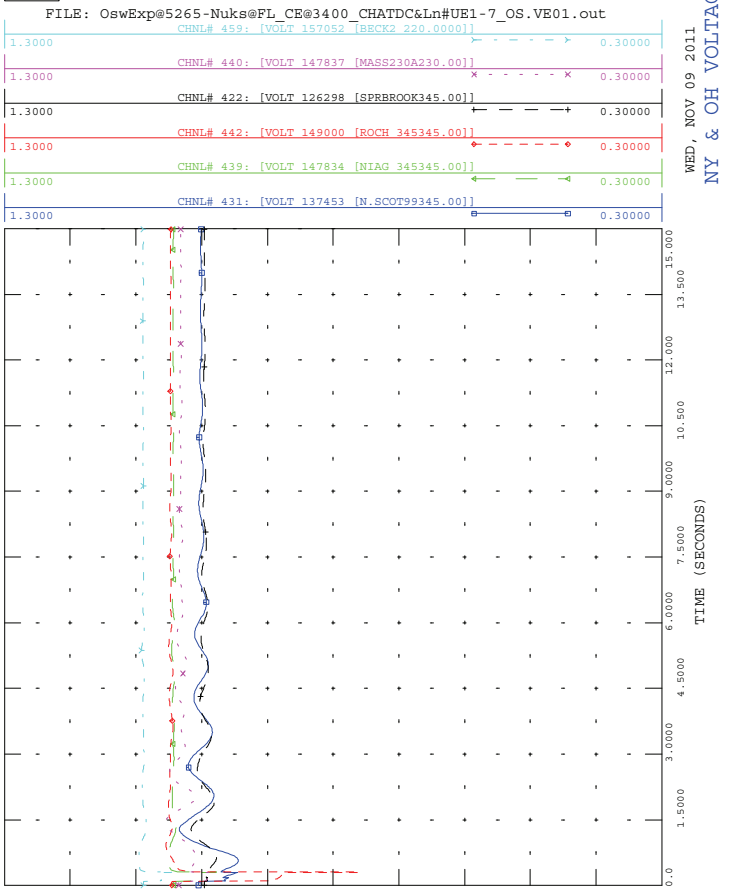
FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.VE01.out



WED, NOV 09 2011 8:33
NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5265, NUKS@FL,CHATDC&MARCY-EDIC(UE1-7)_OS, CE@3400

FILE: OswExp@5265-Nuks@FL_CE@3400_CHATDC&Ln#UE1-7_OS.VE01.out



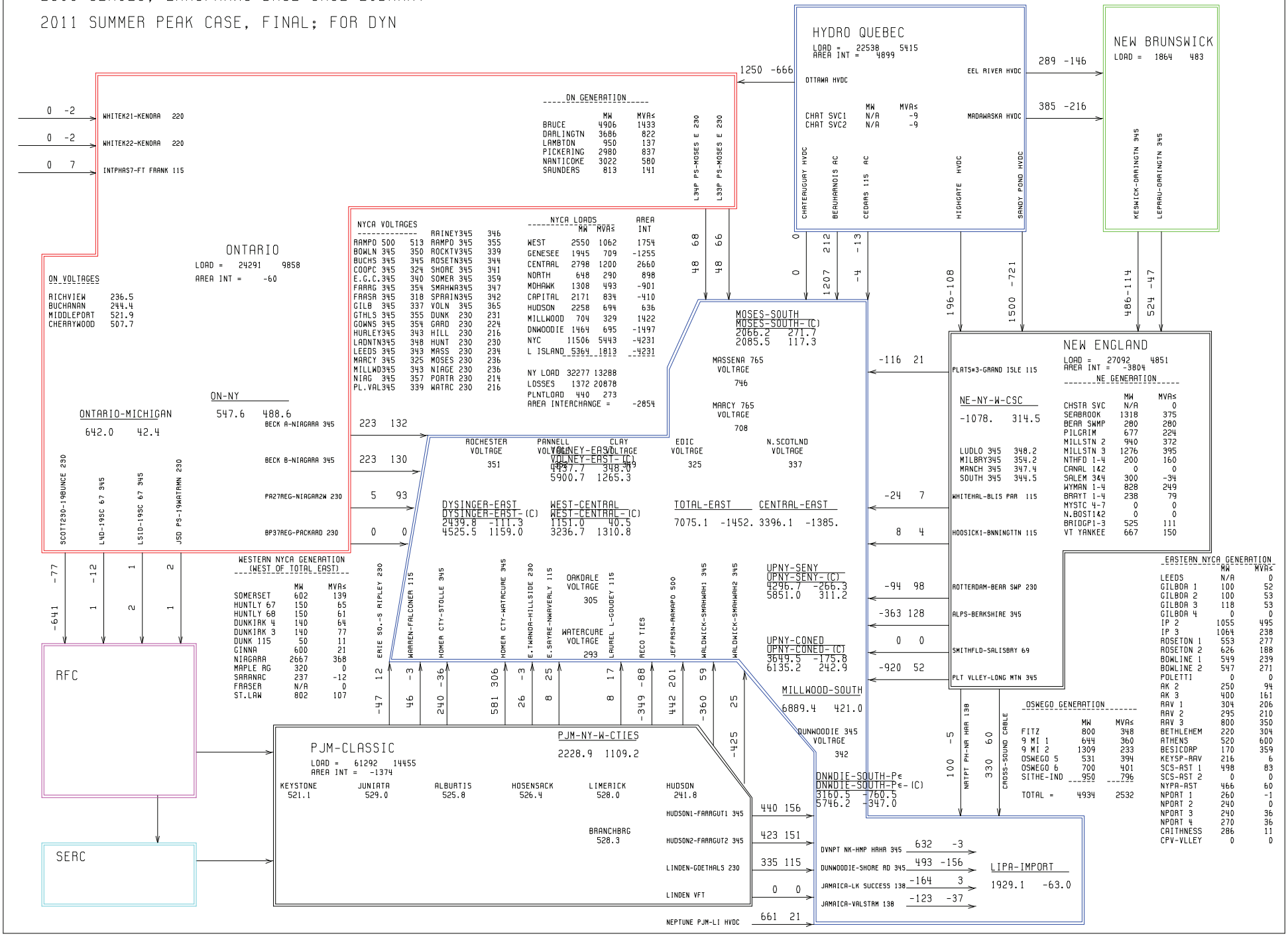
WED, NOV 09 2011 8:33
NY & OH VOLTAGES

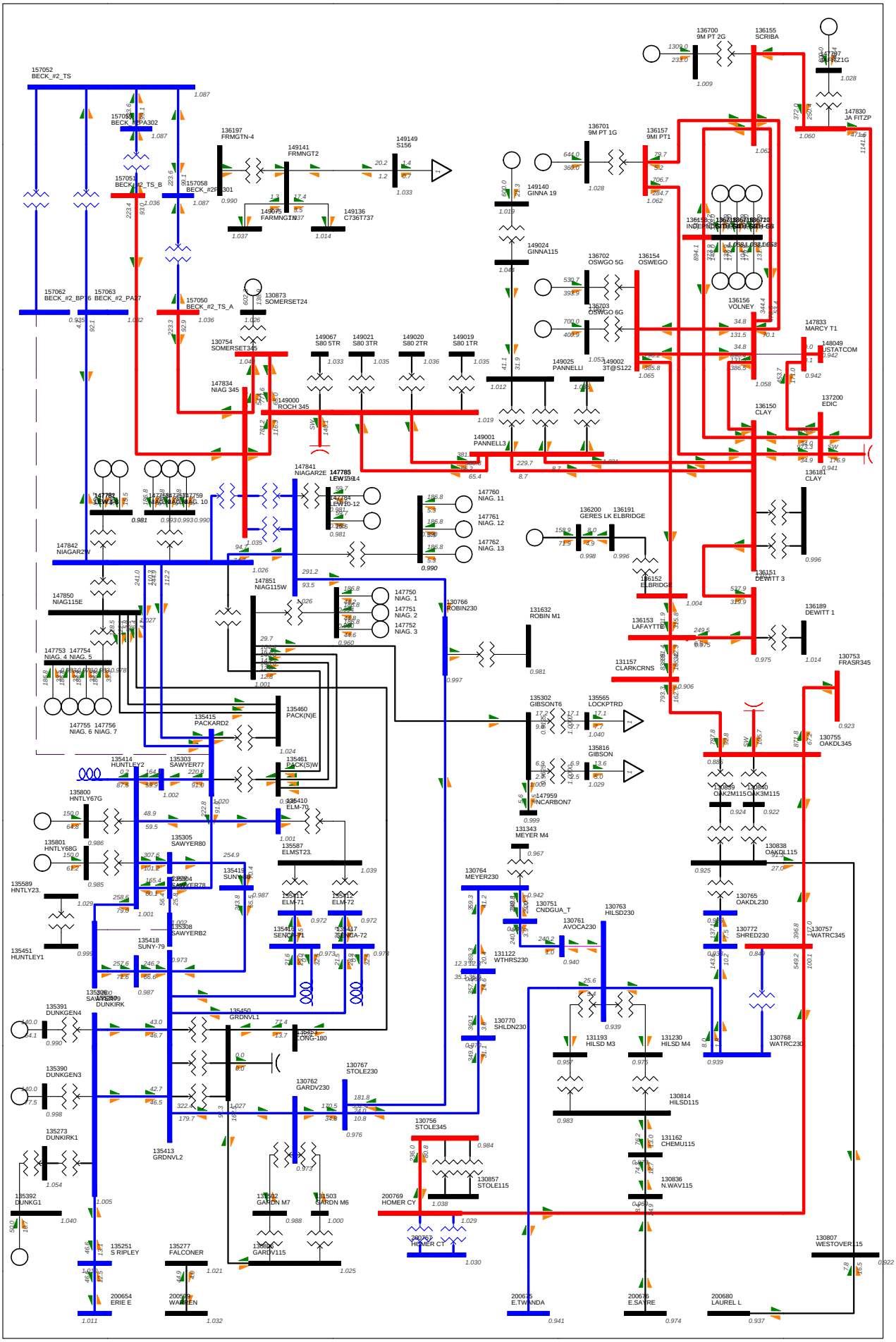
APPENDIX G: Oswego Export Limit - Marcy – Volney (#19) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
FRI, NOV 11 2011 9:30

Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

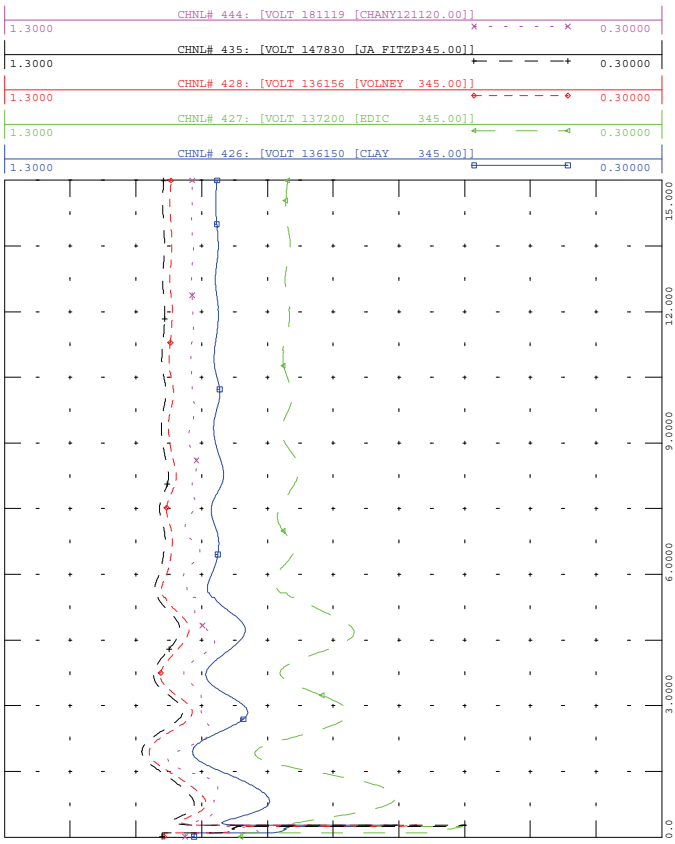
WESTERN NYISO

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE03.out

FRI, NOV 11 2011 8:53

OSWEGO COMPLEX VOLTAGES

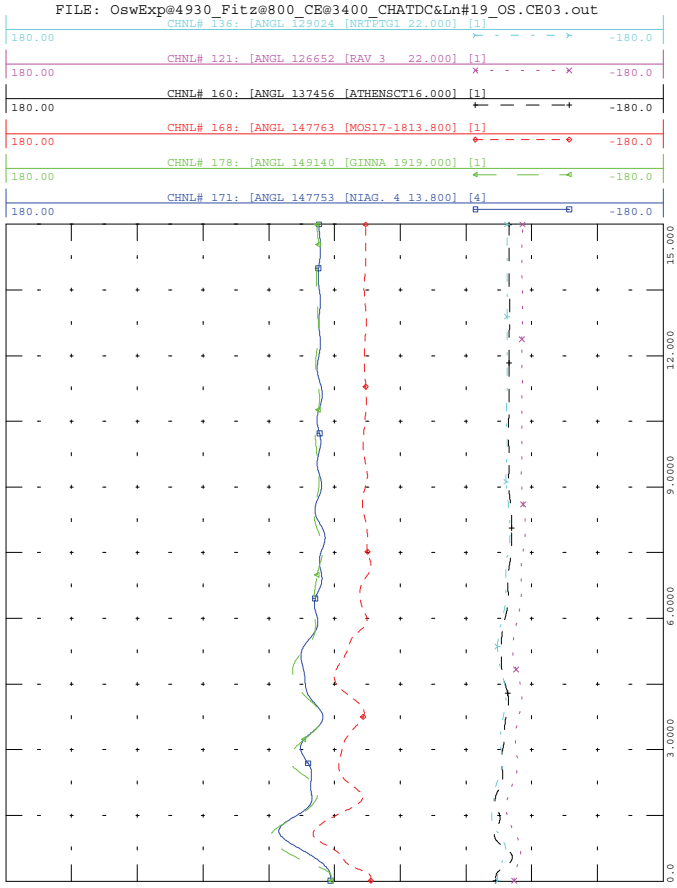


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE03.out

FRI, NOV 11 2011 8:53

NY & ONTARIO M/C ANGLES

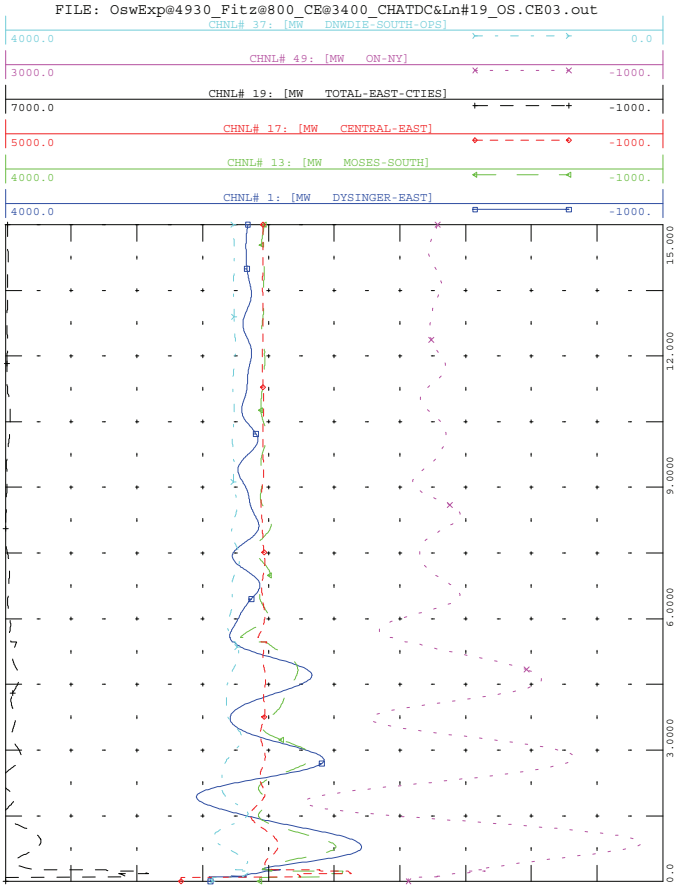


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE03.out

FRI, NOV 11 2011 8:53

NY INTERFACE FLOWS

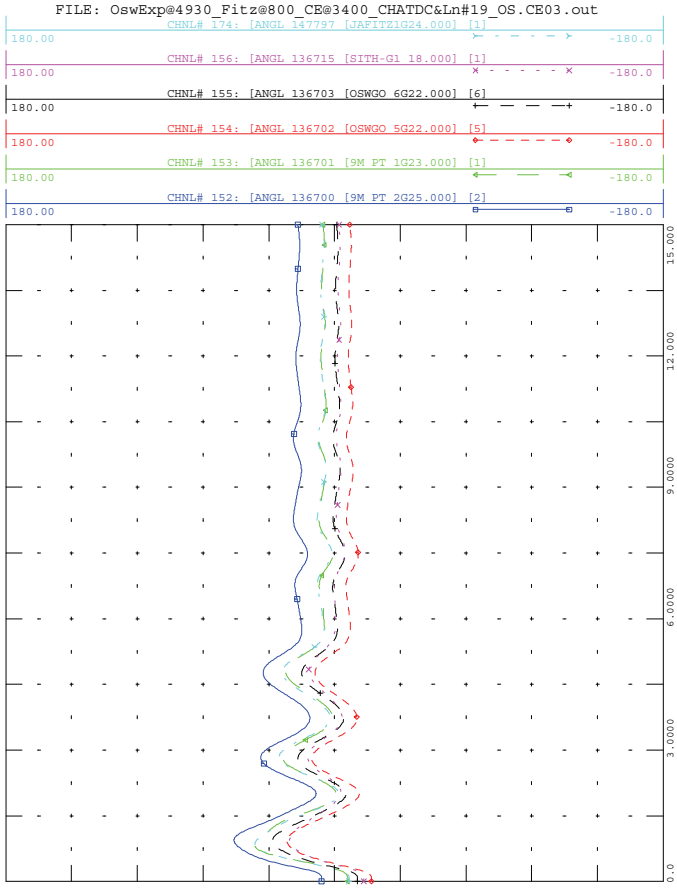


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE03.out

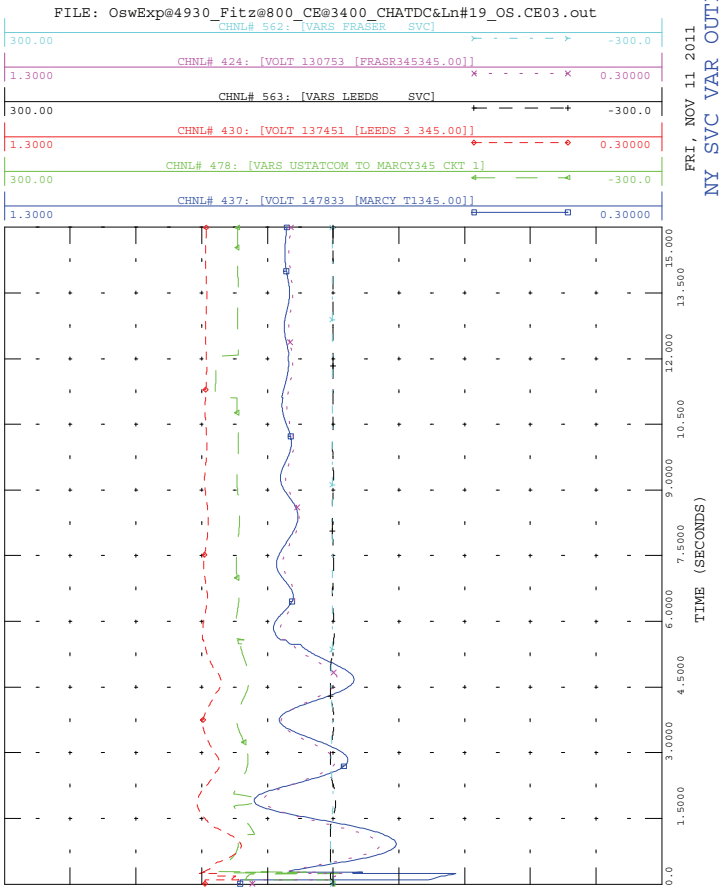
FRI, NOV 11 2011 8:53

OSWEGO COMPLEX M/C ANGLES



CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE03.out

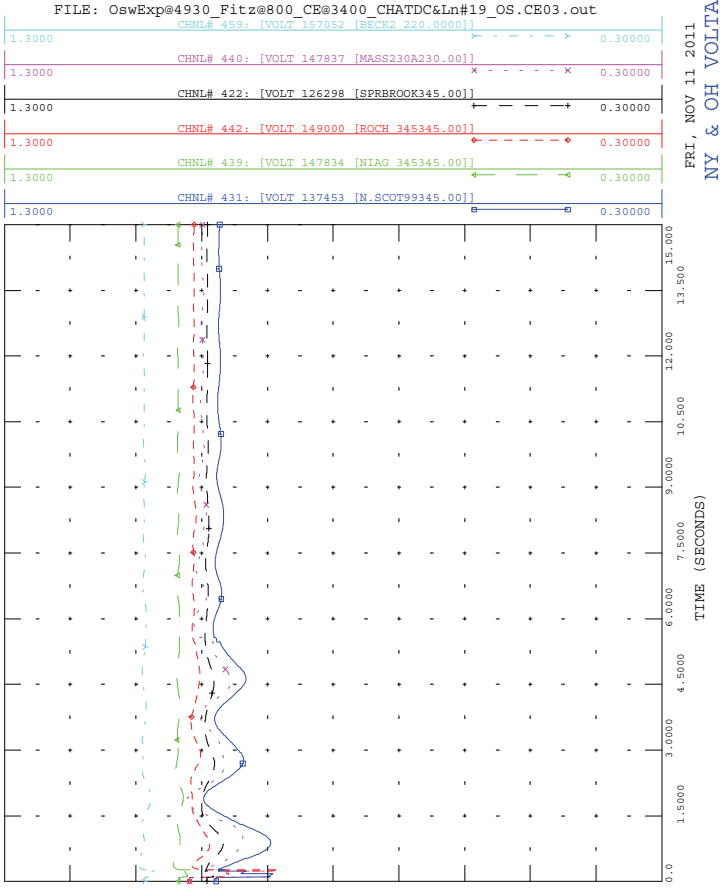


FRI, NOV 11 2011 8:53

NY SVC VAR OUTPUT

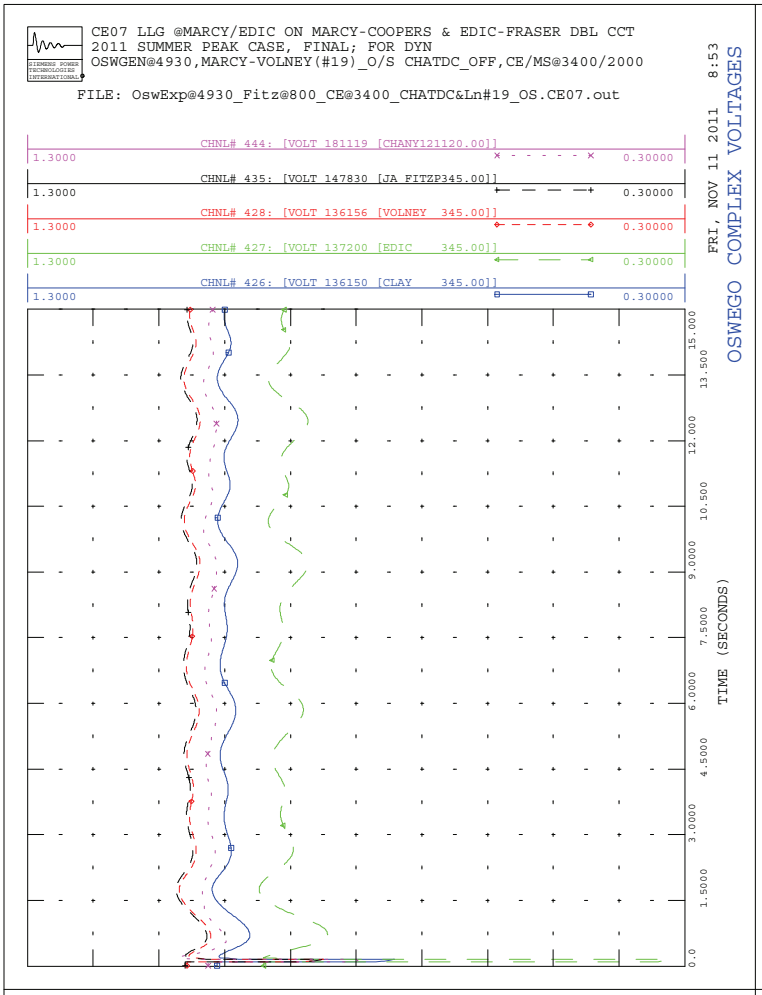
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

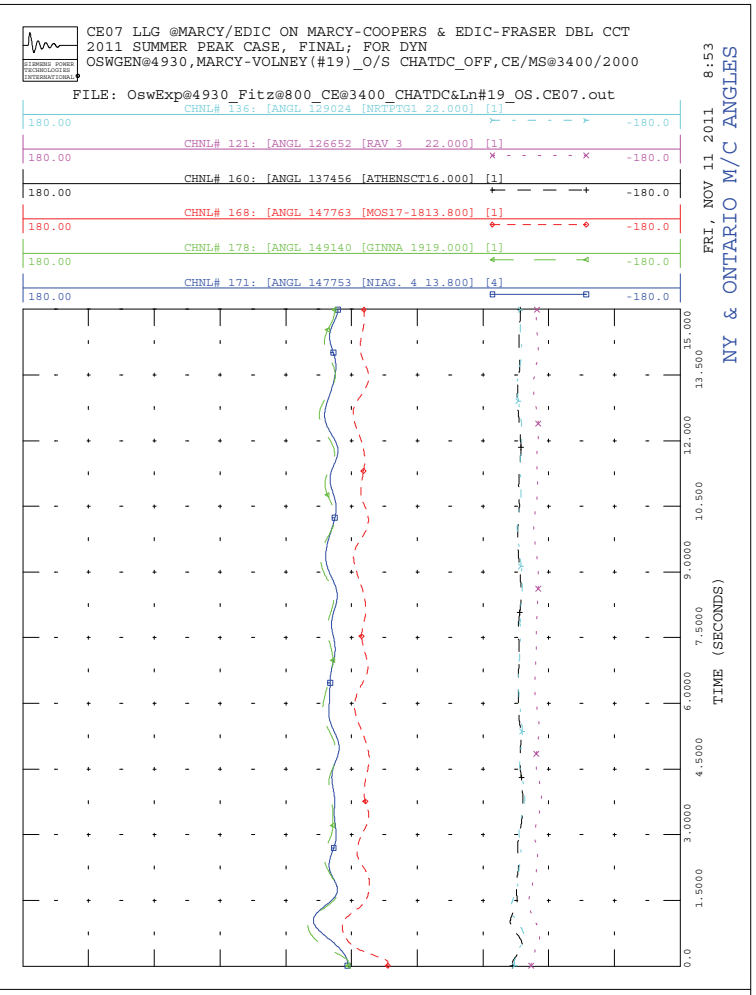
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE03.out

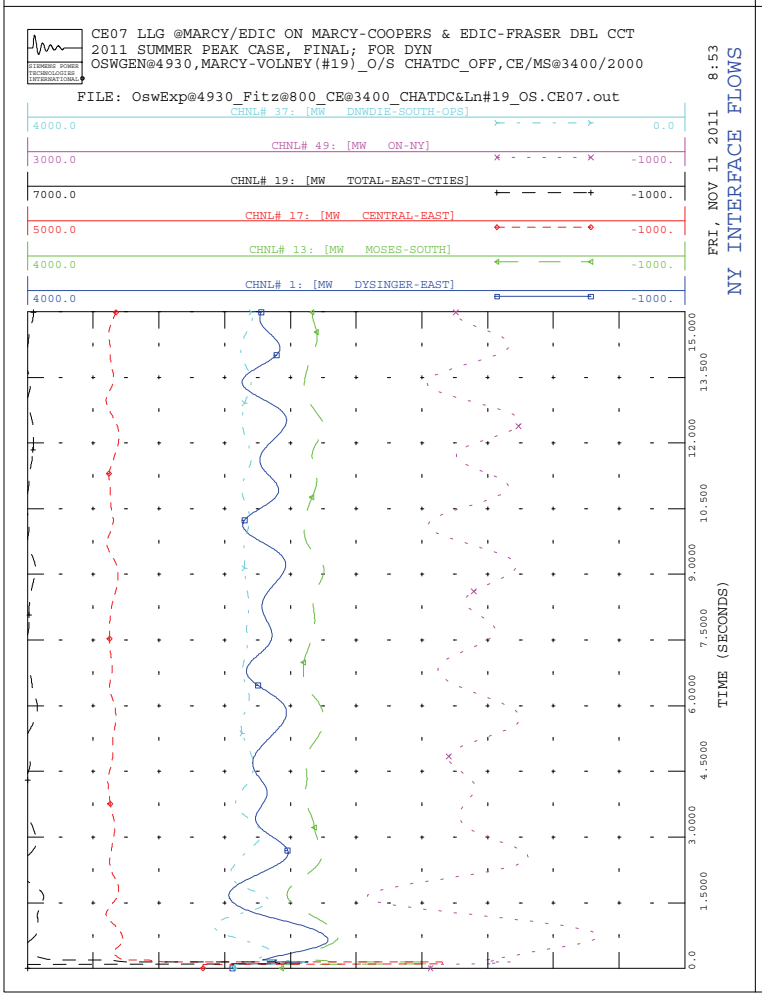


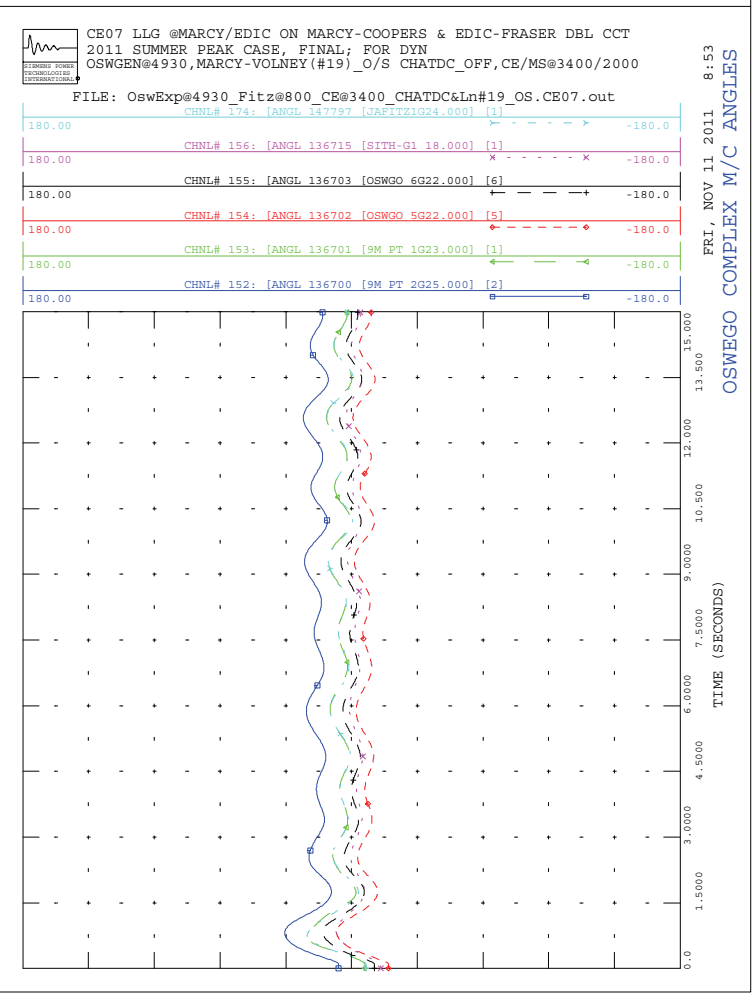
FRI, NOV 11 2011 8:53

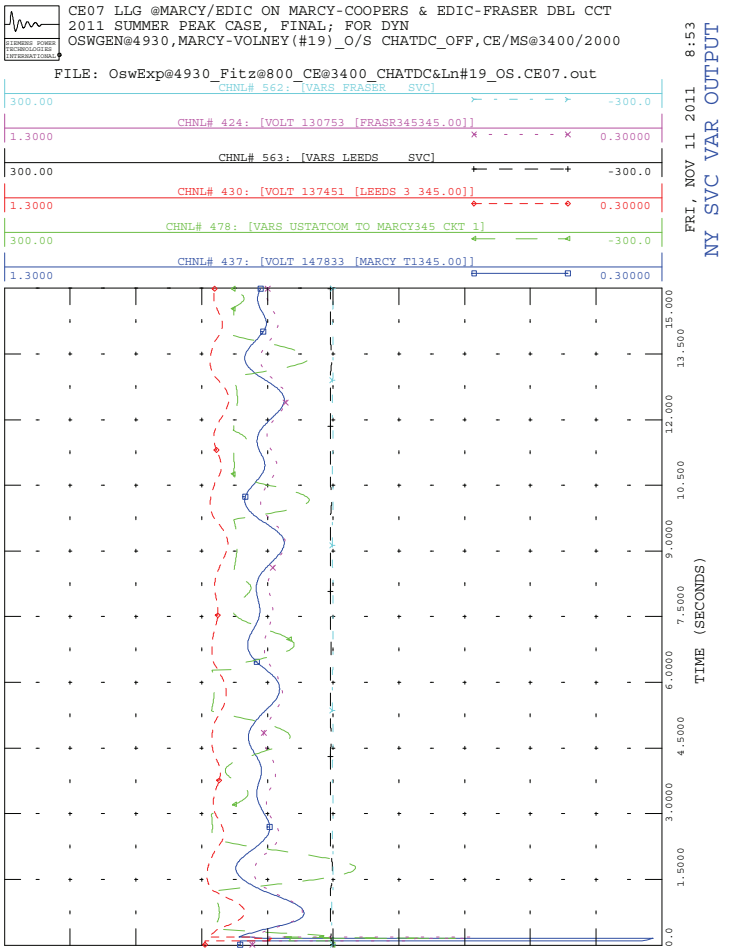
NY & OH VOLTAGES


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE07.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE07.out
CHNL# 136: [ANGL 129024 [NRTFTG1 22.000]]
CHNL# 121: [ANGL 126652 [RAV 3 22.000]]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000]]
CHNL# 168: [ANGL 147763 [MOS17-1813.800]]
CHNL# 178: [ANGL 149140 [GINNA 1919.000]]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800]]
FRI, NOV 11 2011 8:53
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE07.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 11 2011 8:53
NY INTERFACE FLOWS
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE07.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000]]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000]]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000]]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000]]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000]]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000]]
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
FRI, NOV 11 2011 8:53
NY SVC VAR OUTPUT
TIME (SECONDS)
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1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
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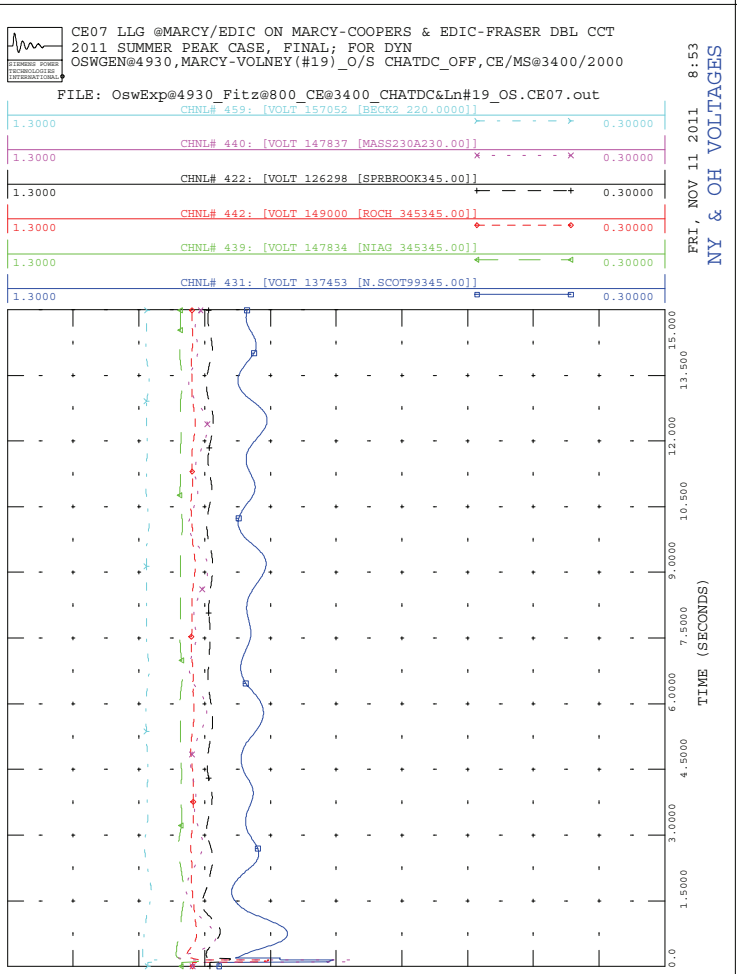
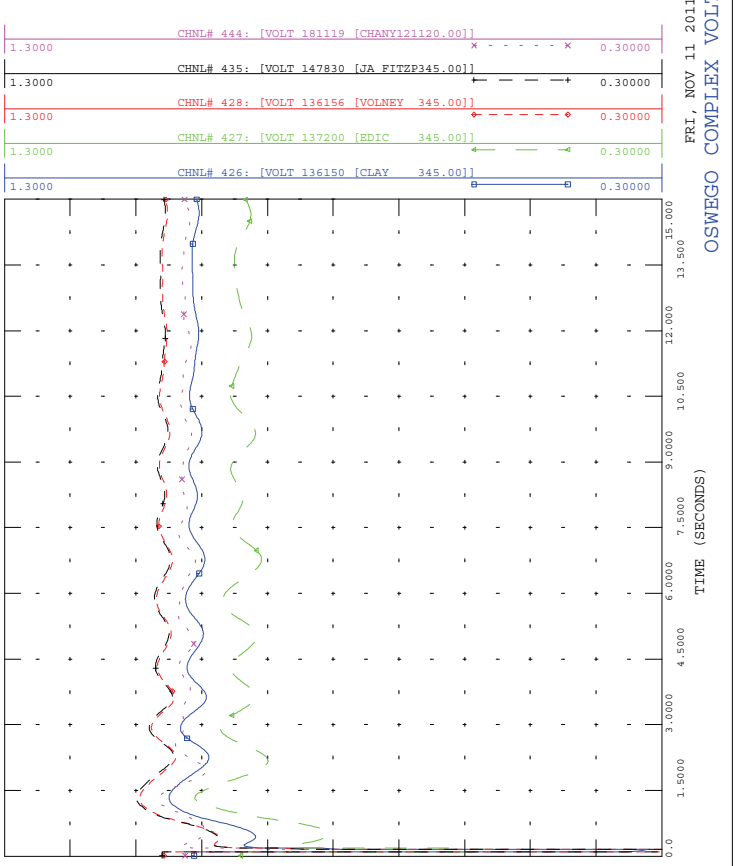
13.500
15.000


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
FRI, NOV 11 2011 8:53
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

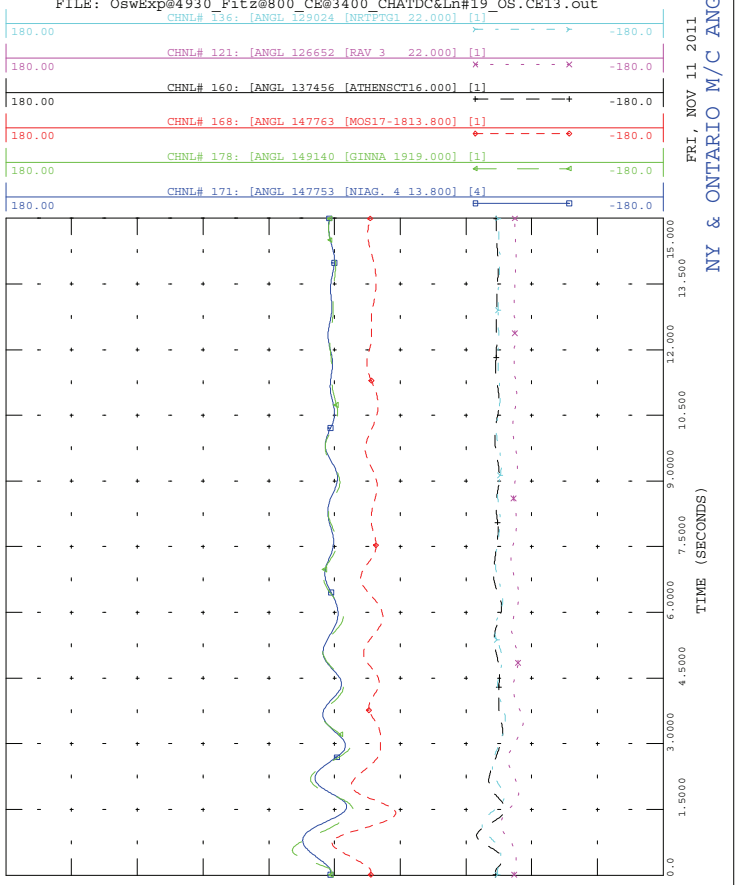
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE13.out



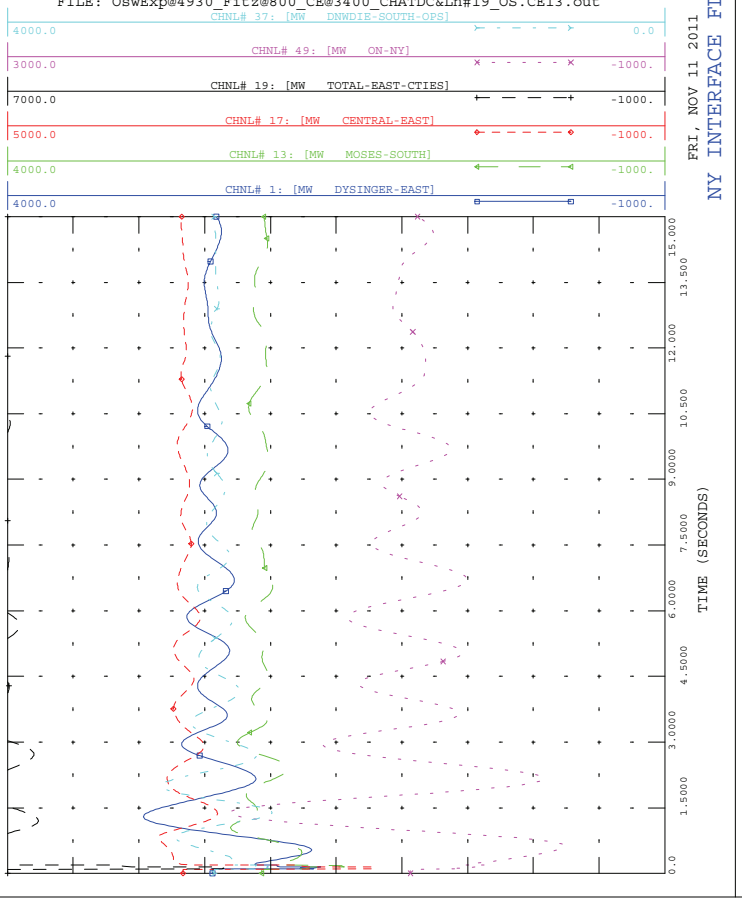
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE13.out



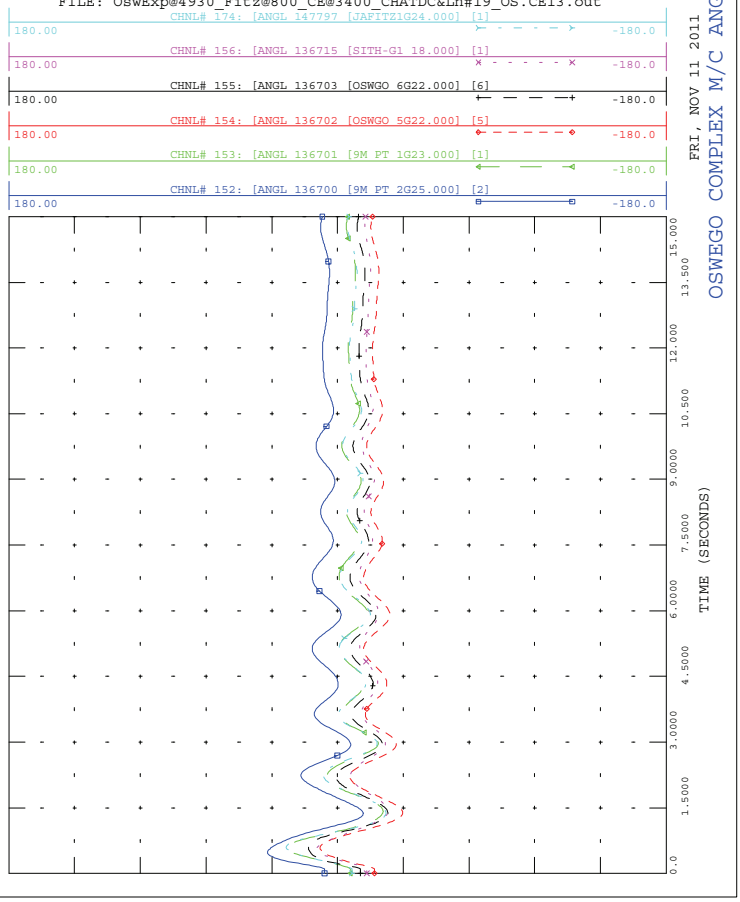
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

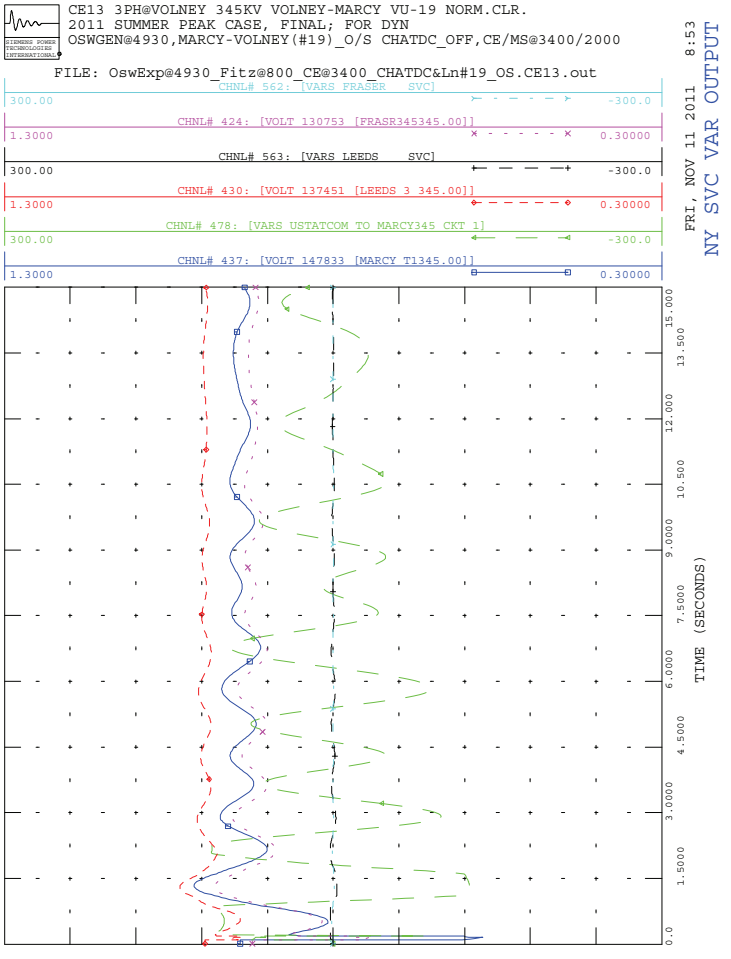
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE13.out

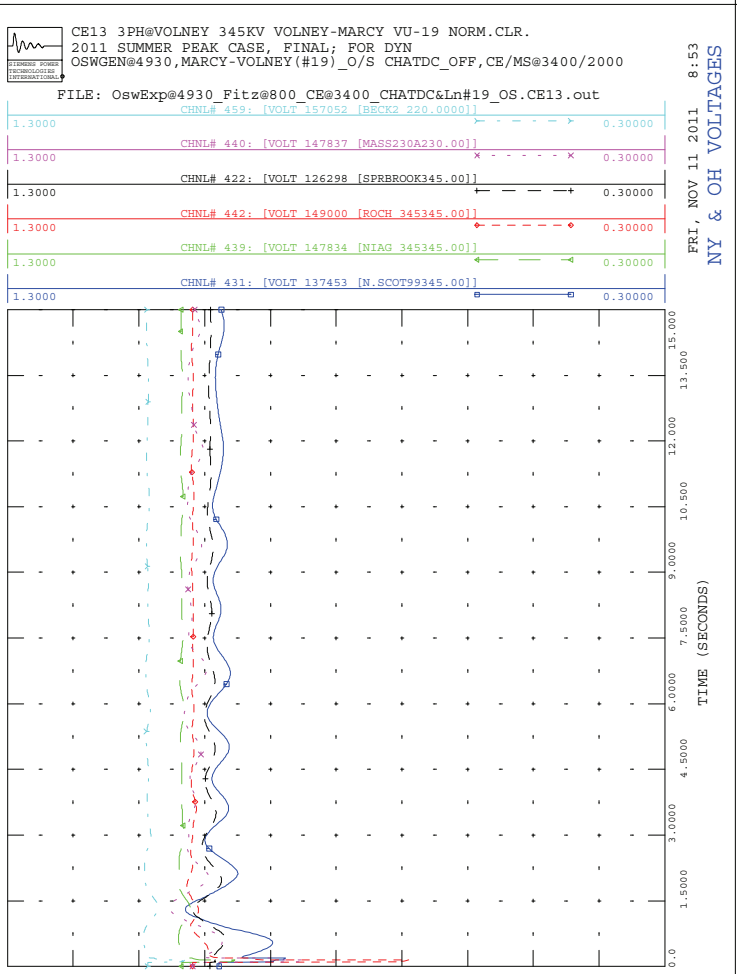


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE13.out




CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 8:53
NY SVC VAR OUTPUT


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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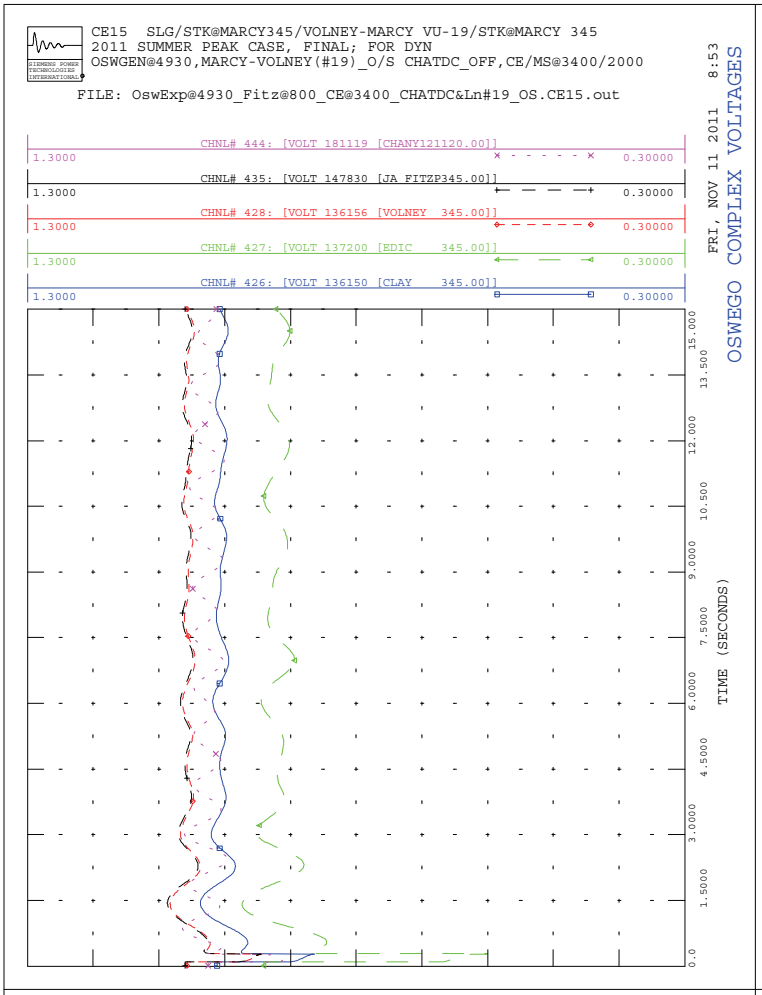
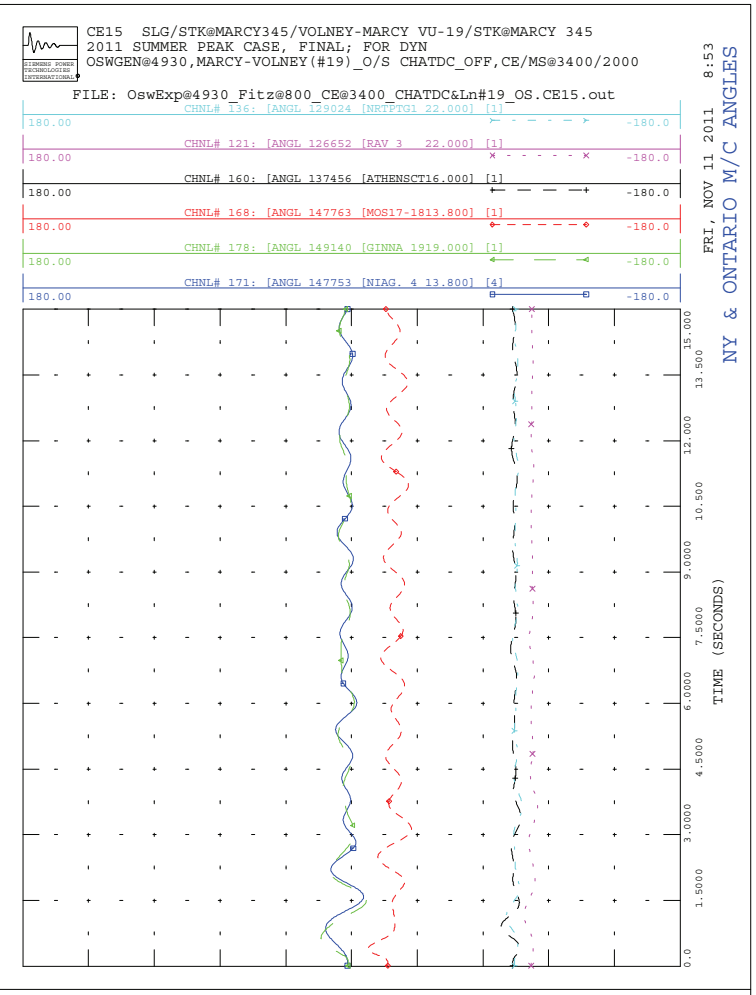
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 8:53
NY & OH VOLTAGES


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE15.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE15.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000]]
CHNL# 121: [ANGL 126652 [RAV 3 22.000]]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000]]
CHNL# 168: [ANGL 147763 [MOS17-1813.800]]
CHNL# 178: [ANGL 149140 [GINNA 1919.000]]
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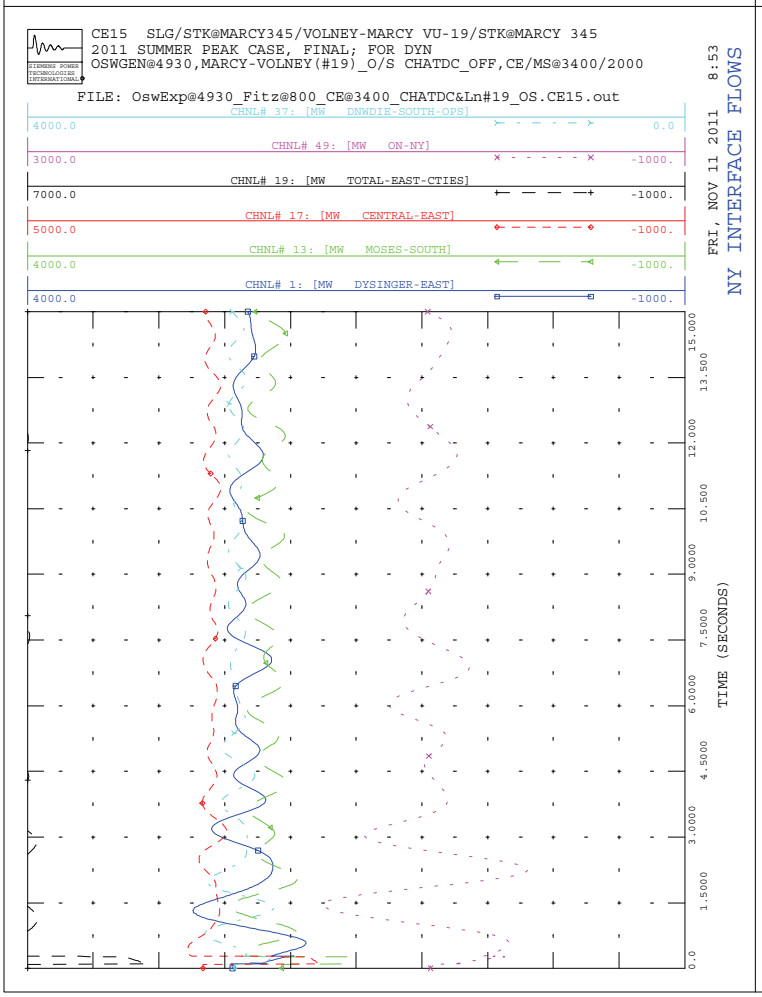
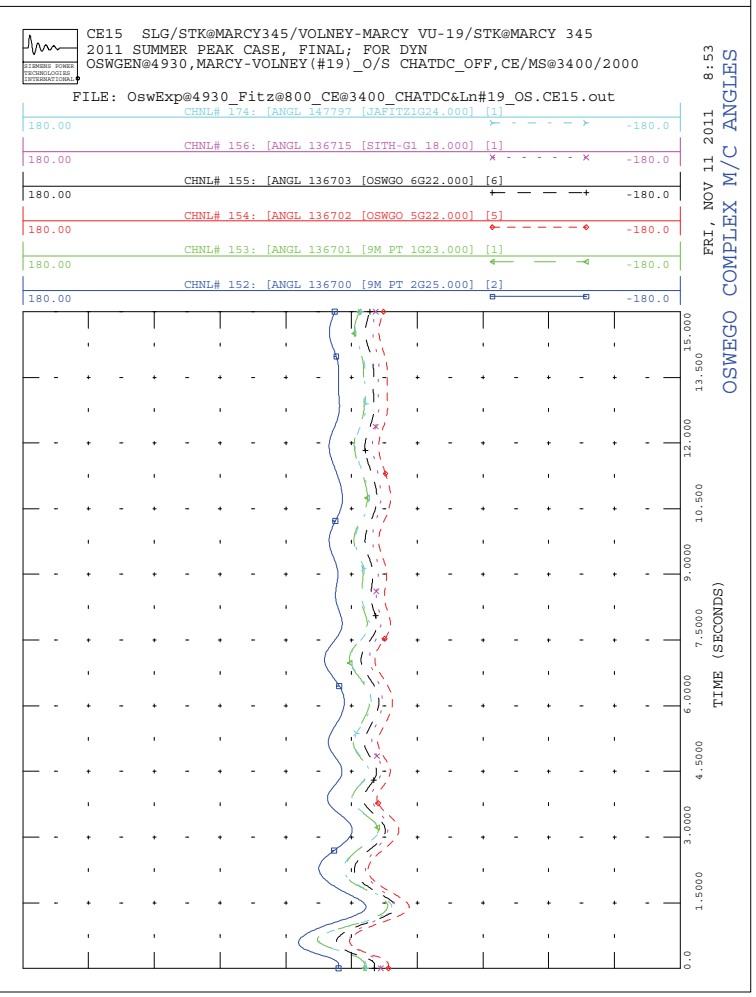
FRI, NOV 11 2011 8:53
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE15.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 11 2011 8:53
NY INTERFACE FLOWS
TIME (SECONDS)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2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE15.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000]]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000]]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000]]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000]]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000]]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000]]
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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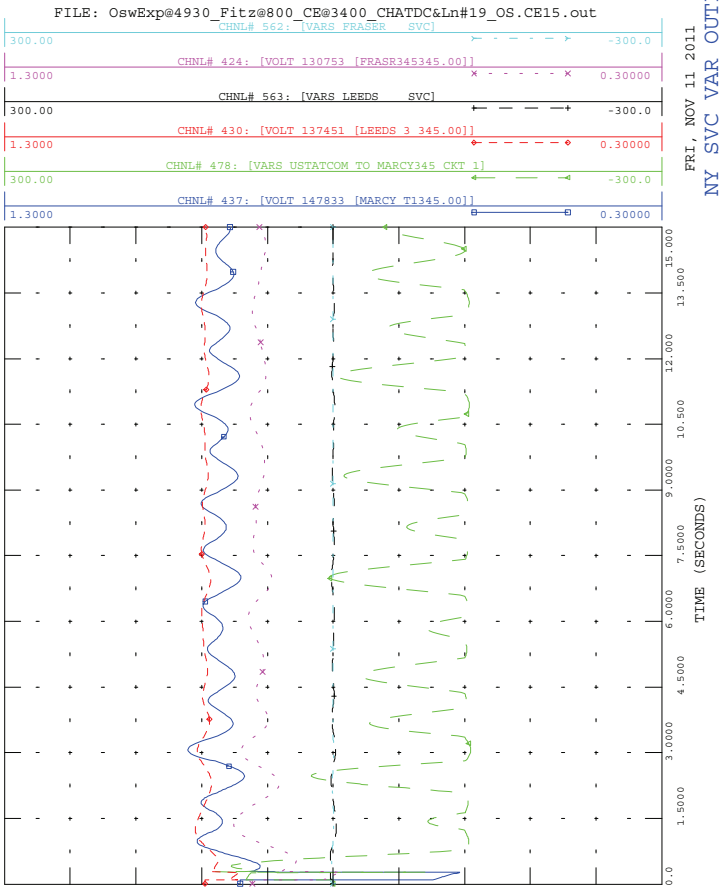
NY SVC VAR OUTPUT



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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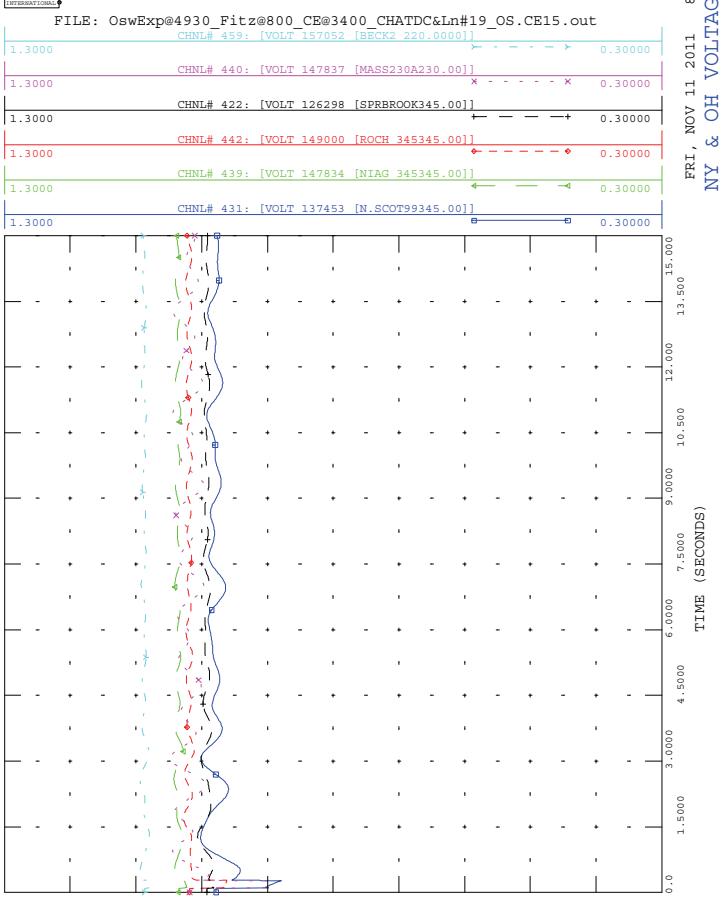
FRI, NOV 11 2011 8:53

NY & OH VOLTAGES



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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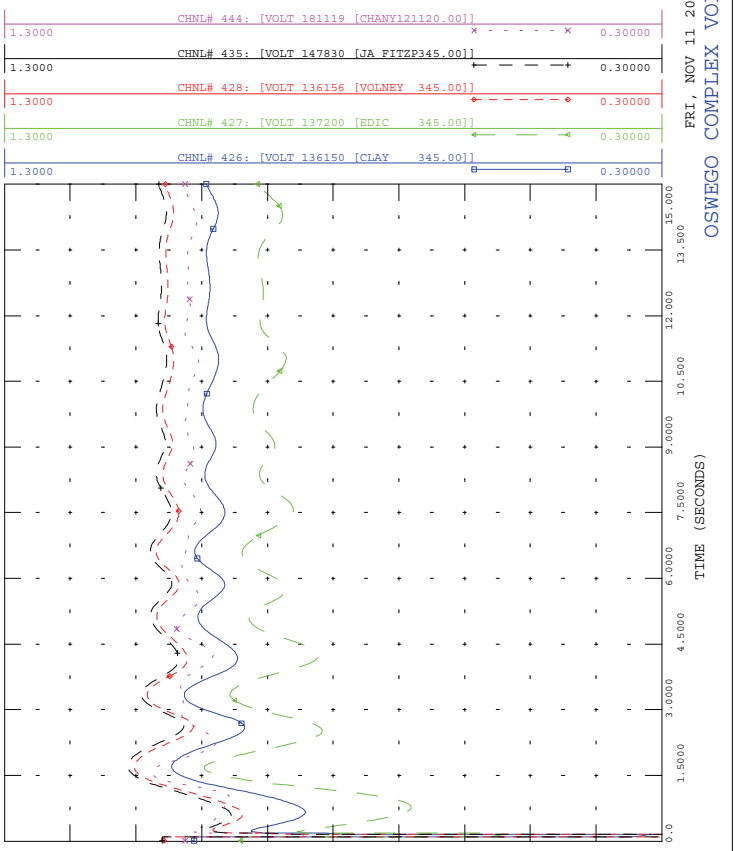
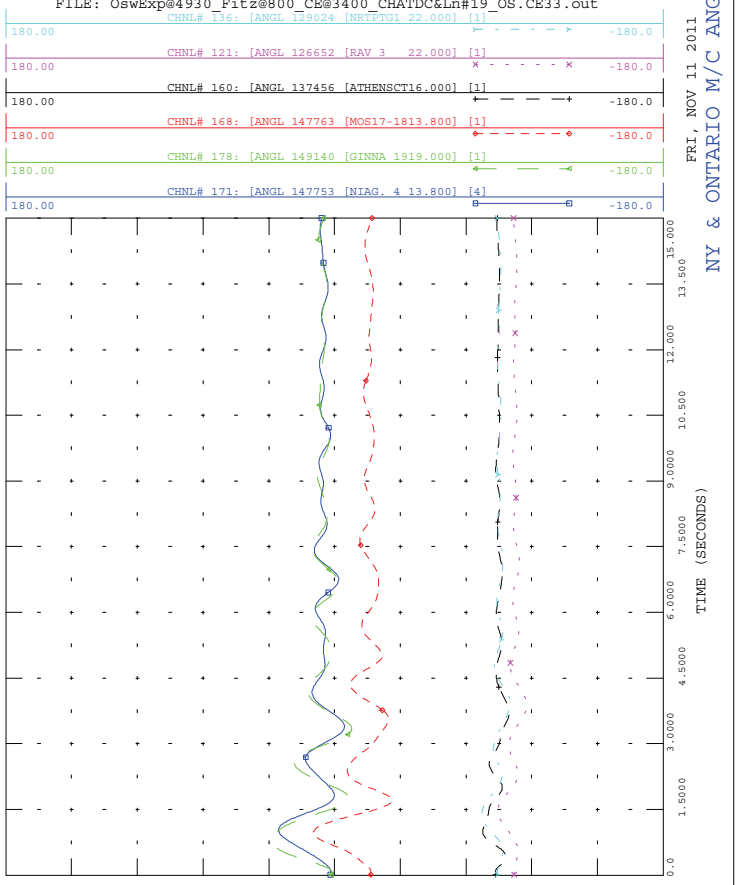


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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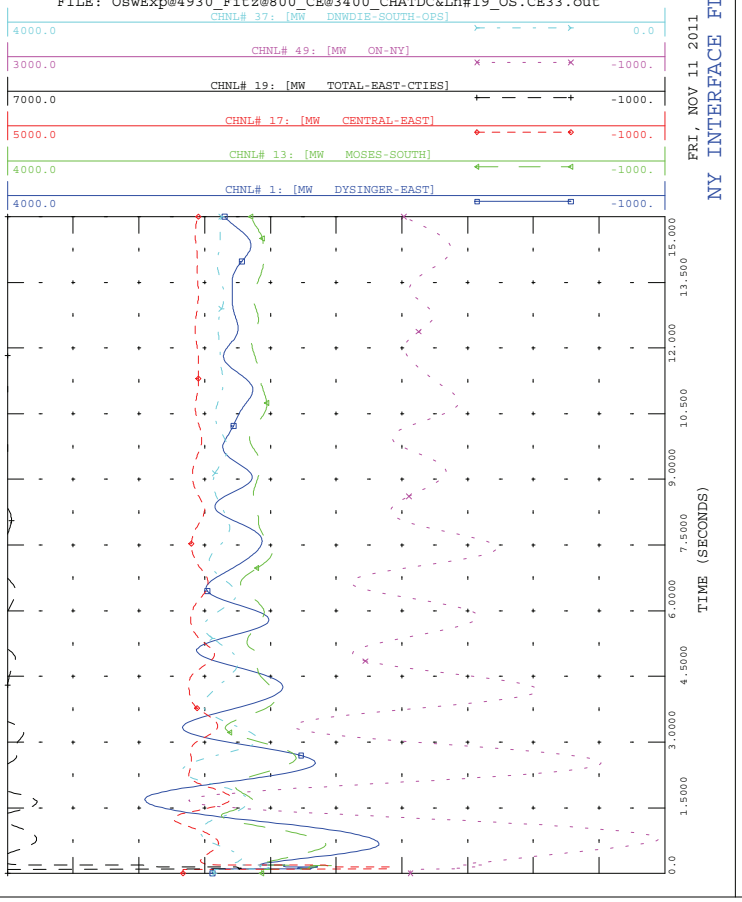
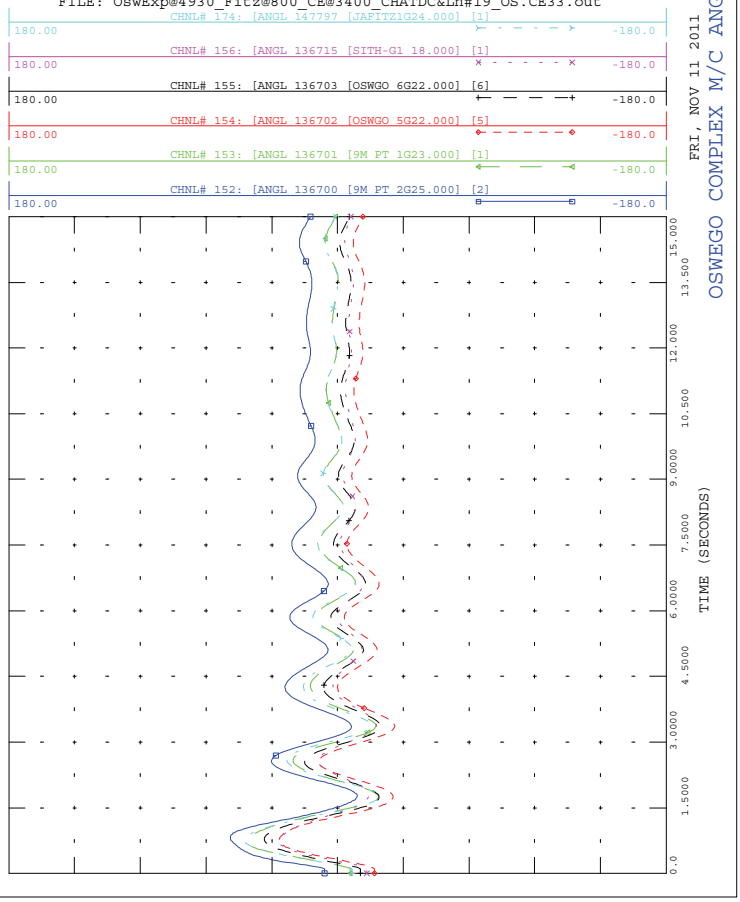


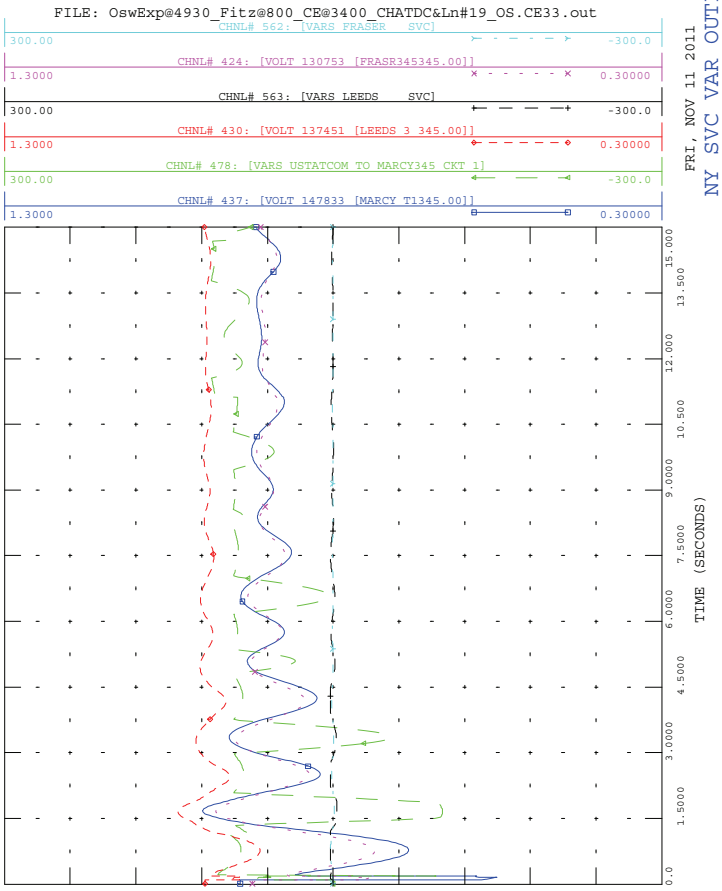
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE33.out



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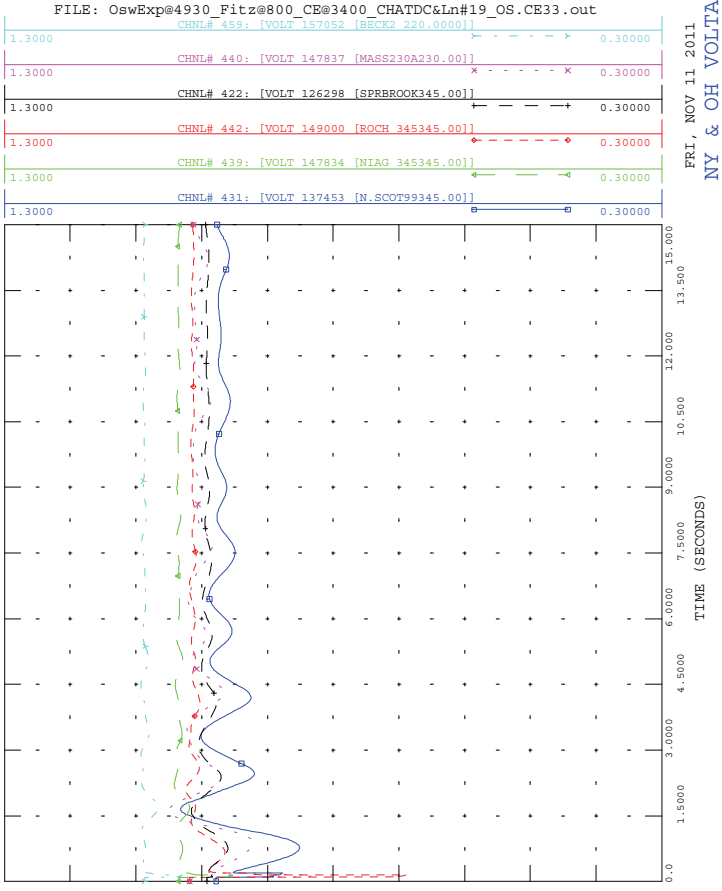
NY SVC VAR OUTPUT

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE33.out



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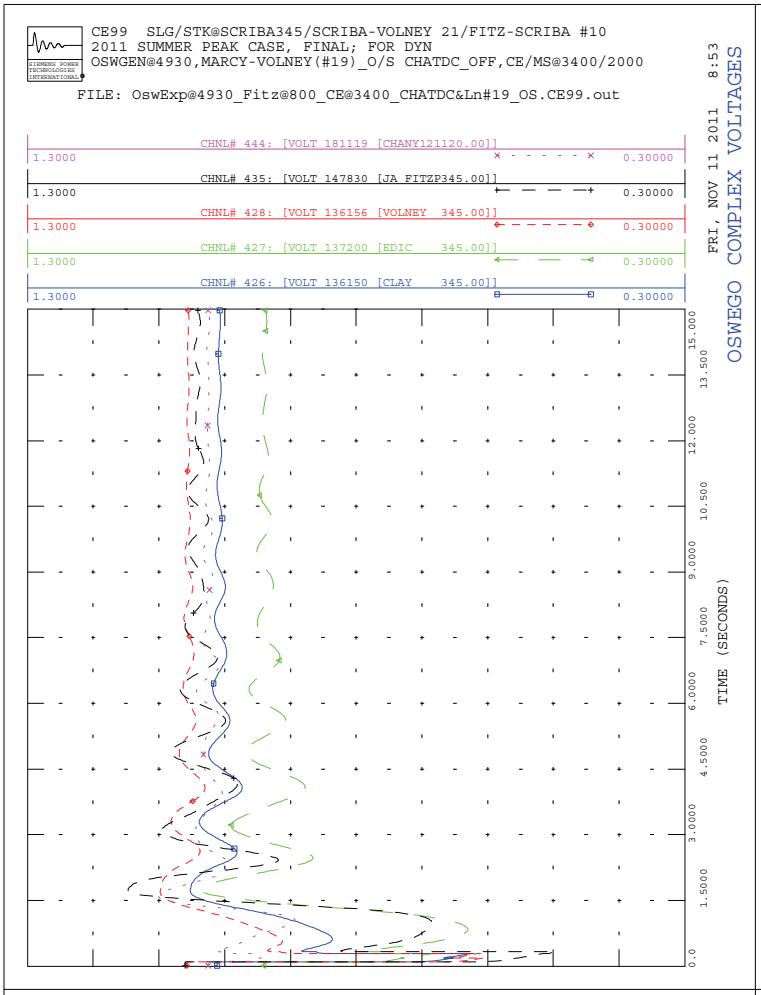
NY & OH VOLTAGES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE99.out
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1.3000 0.30000
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
1.3000 0.30000
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
1.3000 0.30000
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
1.3000 0.30000
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
1.3000 0.30000
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)
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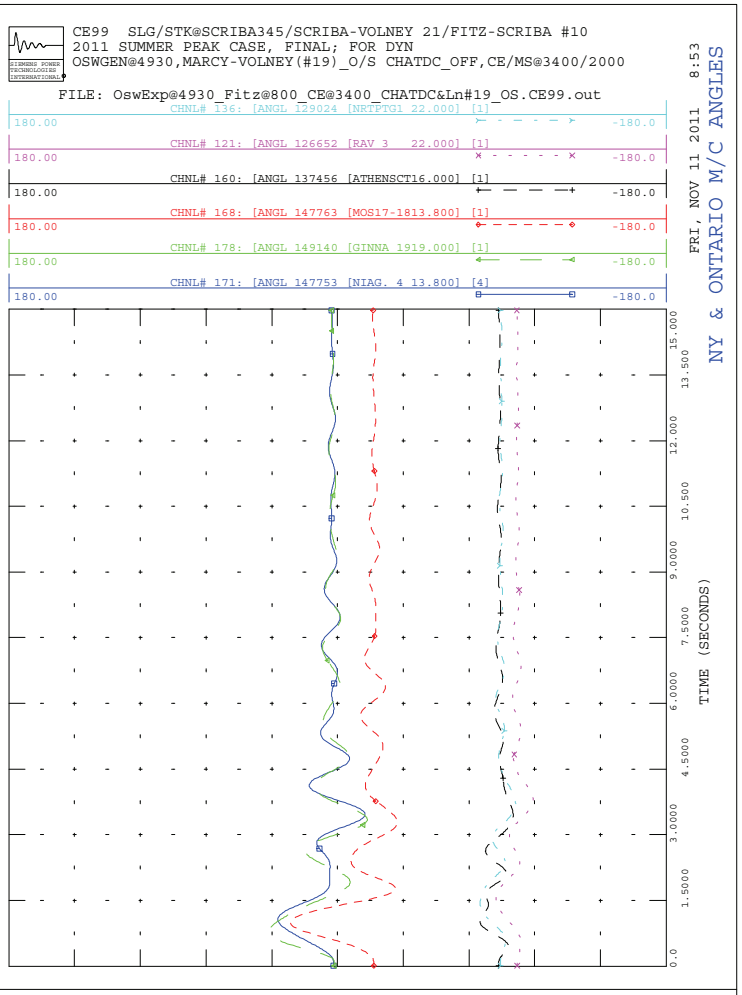
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE99.out
CHNL# 136: [ANGL 129024 [NRTFTIG1 22.000] [1]
180.00 -180.0
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CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
180.00 -180.0
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
180.00 -180.0
FRI, NOV 11 2011 8:53
NY & ONTARIO M/C ANGLES
TIME (SECONDS)
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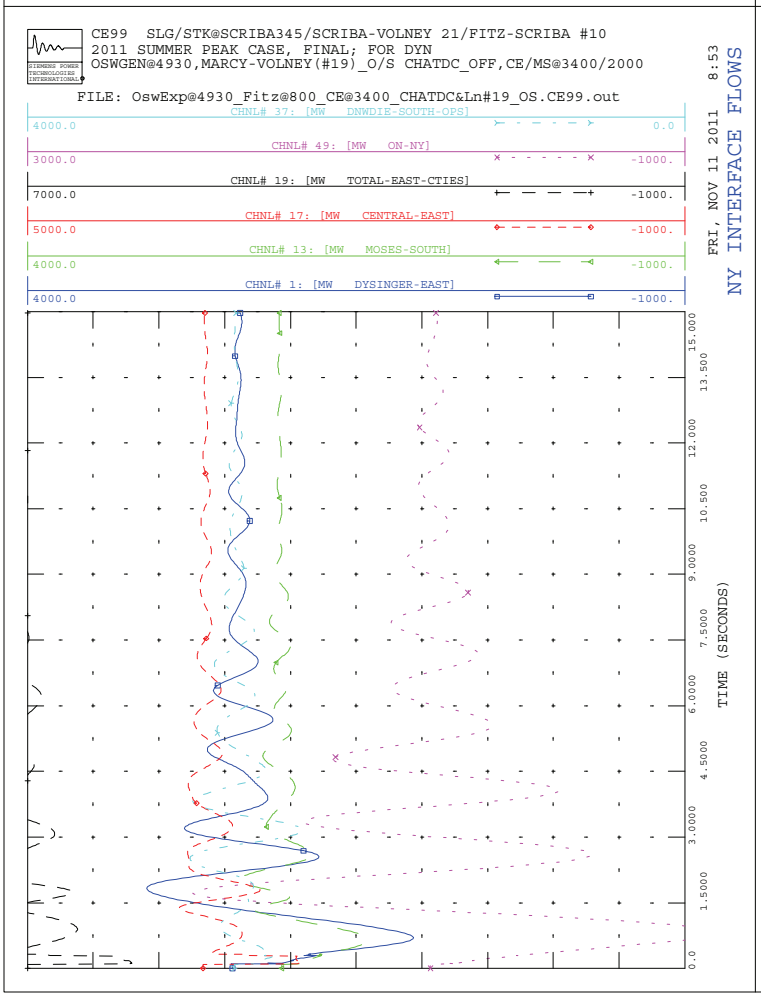
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
4000.0 0.0
CHNL# 49: [MW ON-NY]
3000.0 -1000.
CHNL# 19: [MW TOTAL-EAST-CTIES]
7000.0 -1000.
CHNL# 17: [MW CENTRAL-EAST]
5000.0 -1000.
CHNL# 13: [MW MOSES-SOUTH]
4000.0 -1000.
CHNL# 1: [MW DYSINGER-EAST]
4000.0 -1000.
FRI, NOV 11 2011 8:53
NY INTERFACE FLOWS
TIME (SECONDS)
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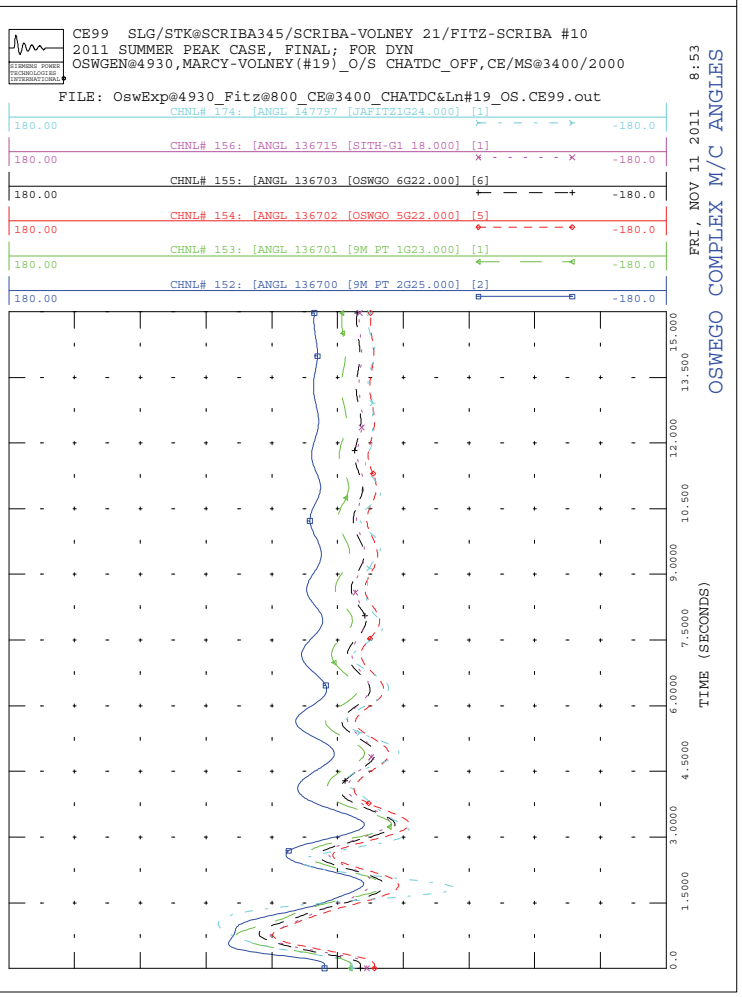
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
180.00 -180.0
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
180.00 -180.0
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
180.00 -180.0
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
180.00 -180.0
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
180.00 -180.0
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
180.00 -180.0
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)
0.0 1.5000 3.0000 4.5000 6.0000 7.5000 9.0000 10.500 12.000 13.500 15.000

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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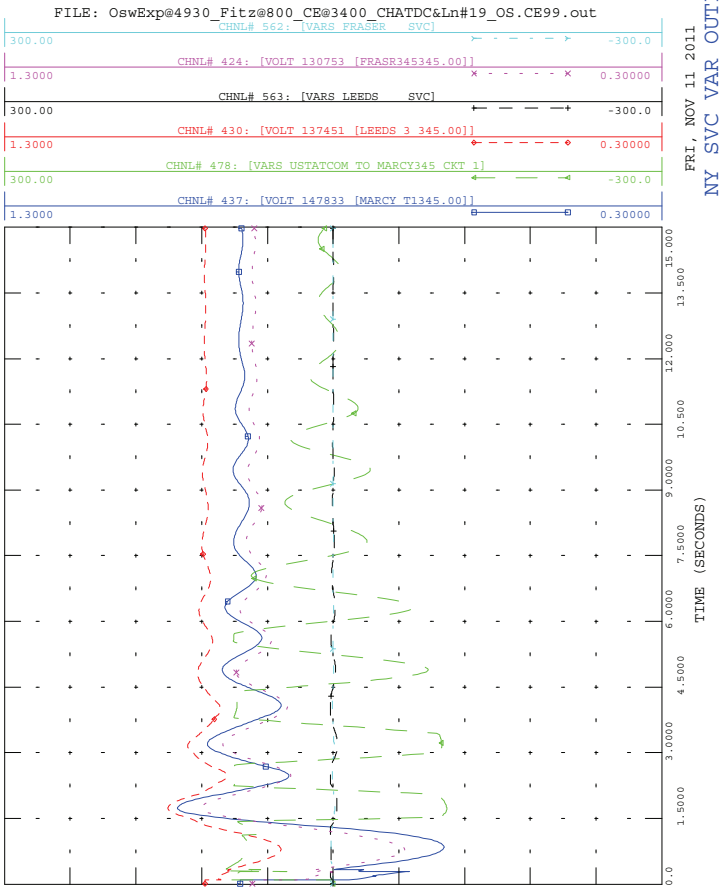

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NY SVC VAR OUTPUT

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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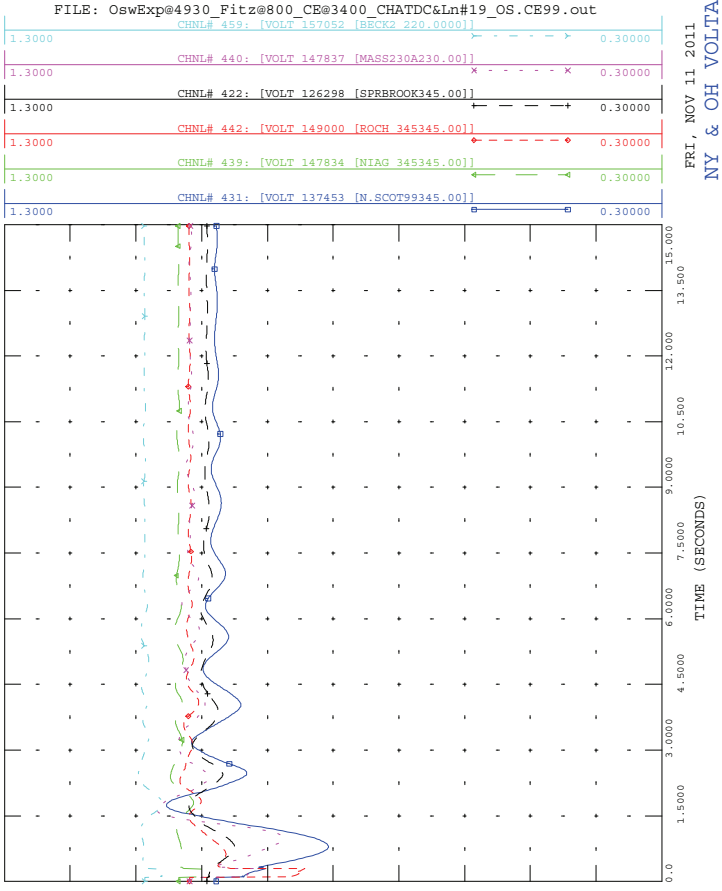
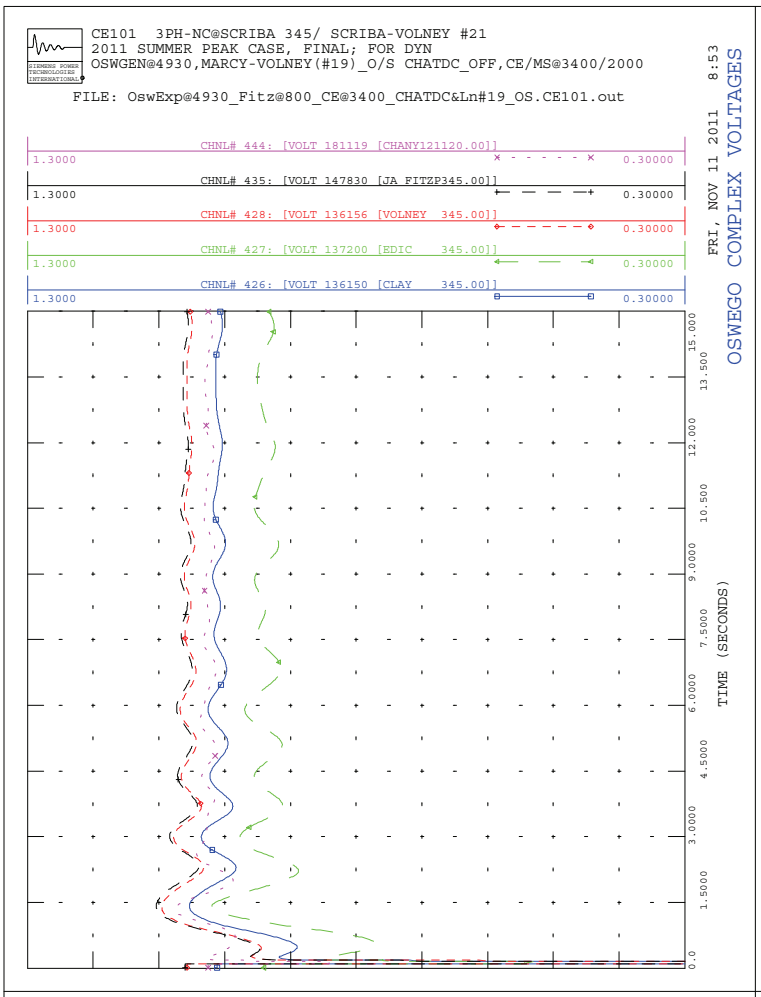


FRI, NOV 11 2011 8:53

NY & OH VOLTAGES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OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE101.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
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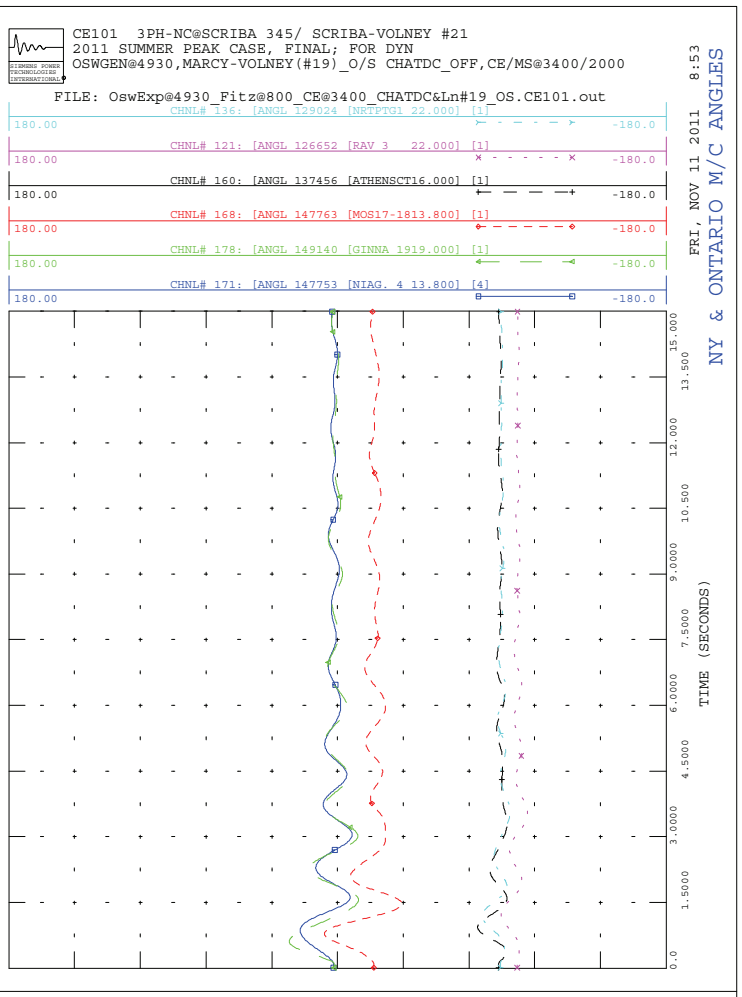
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)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CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
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CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
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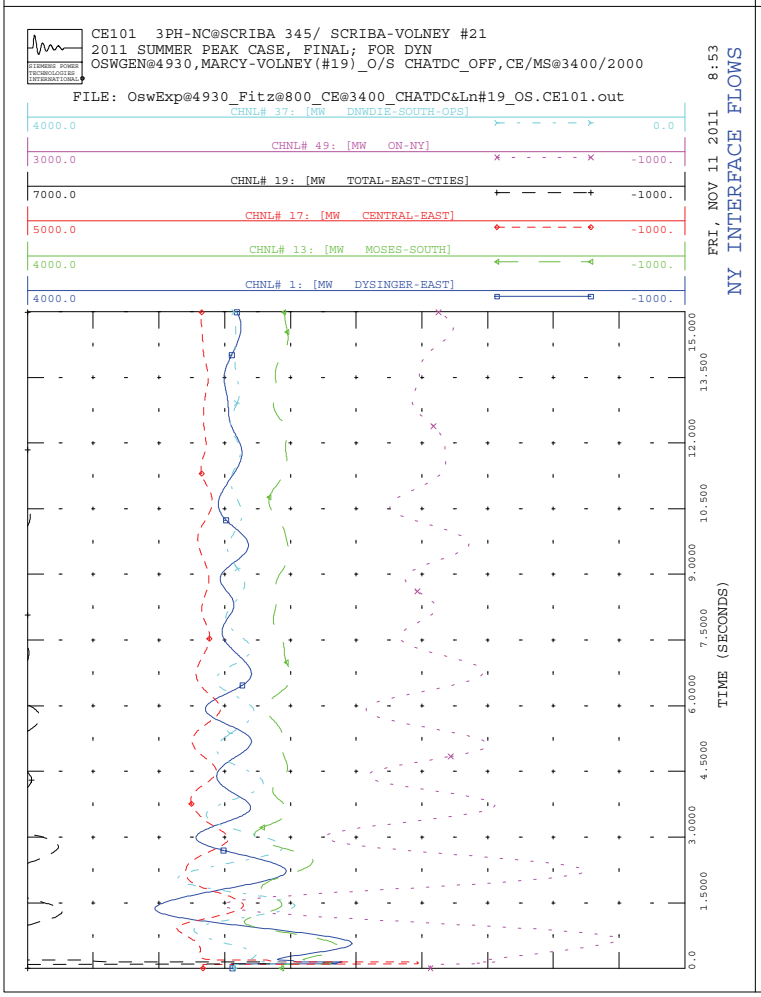
FRI, NOV 11 2011 8:53
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE101.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
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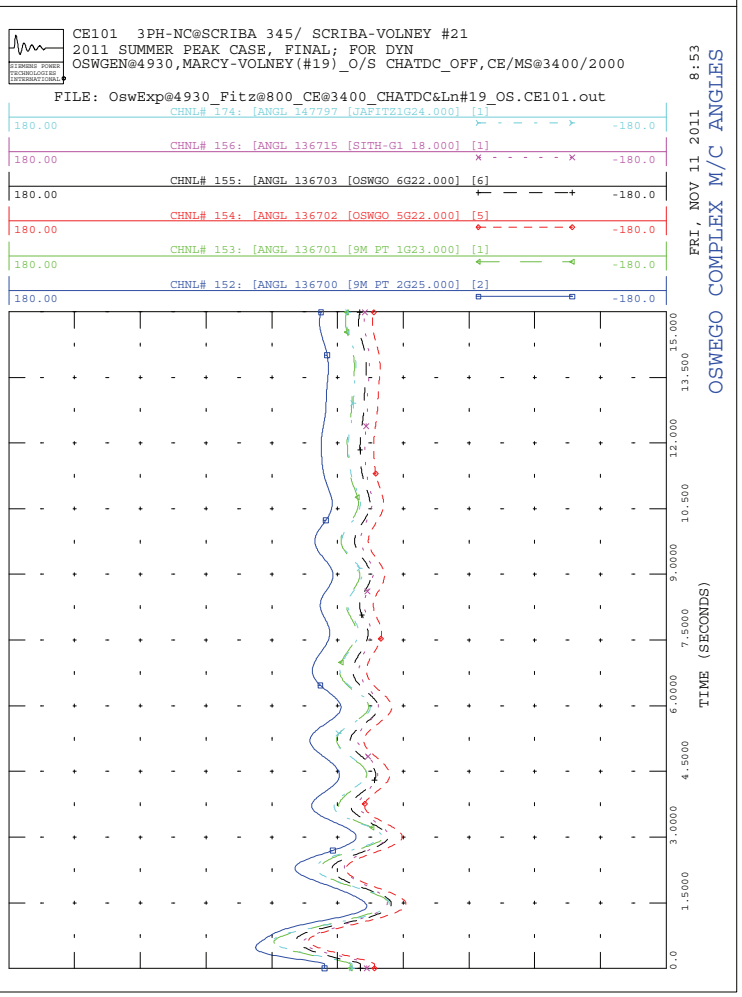
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 11 2011 8:53
NY INTERFACE FLOWS
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000
FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.CE101.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
FRI, NOV 11 2011 8:53
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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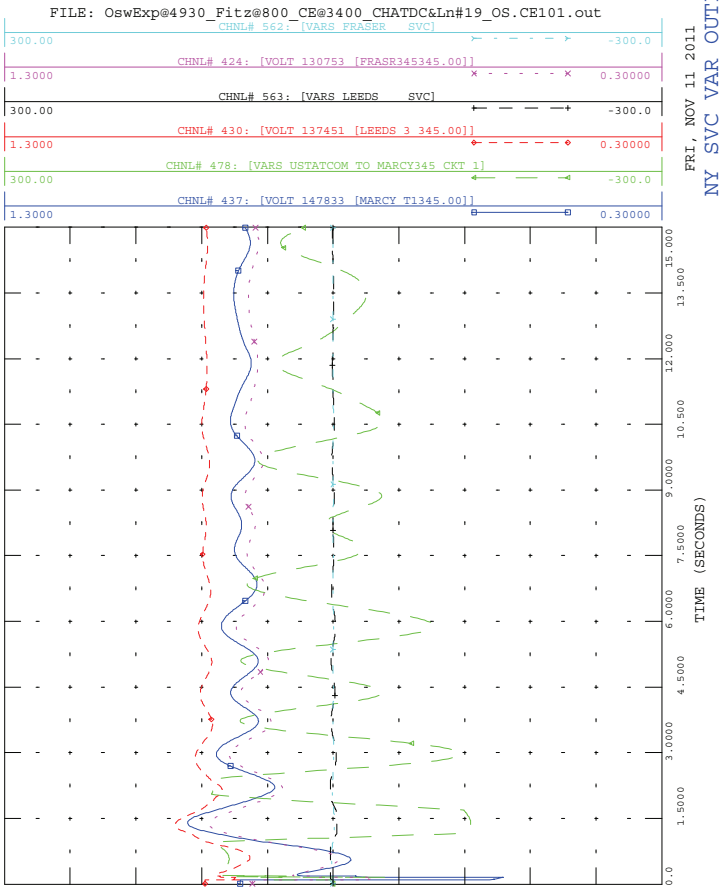

FRI, NOV 11 2011 8:53

NY SVC VAR OUTPUT

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

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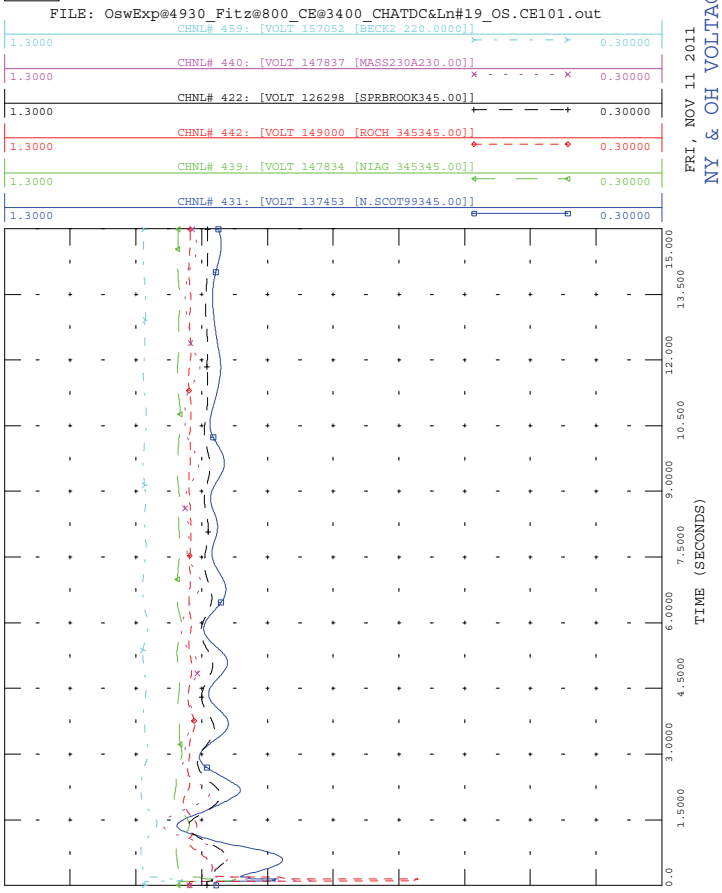
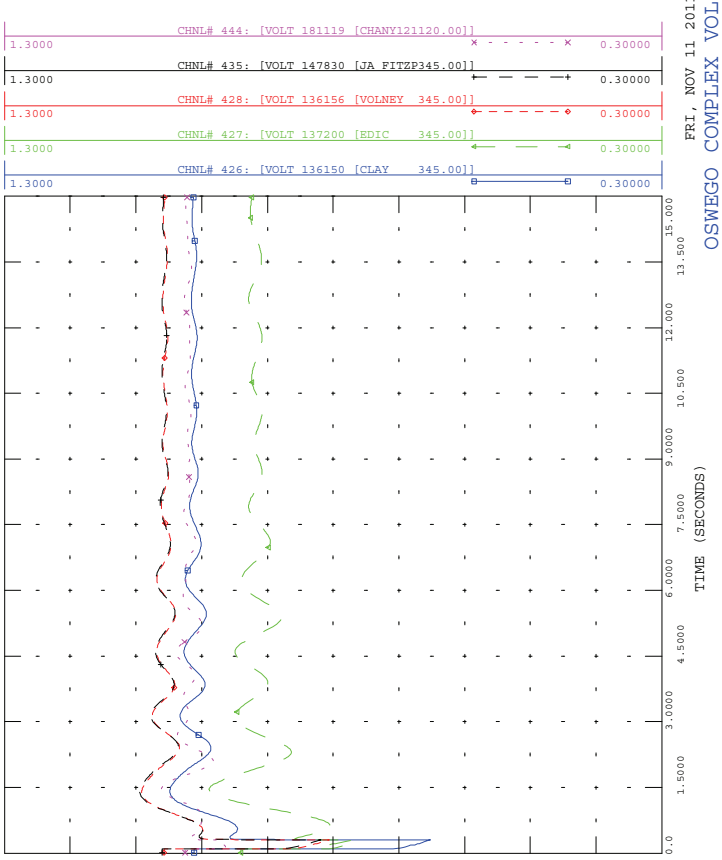


FRI, NOV 11 2011 8:53

NY & OH VOLTAGES

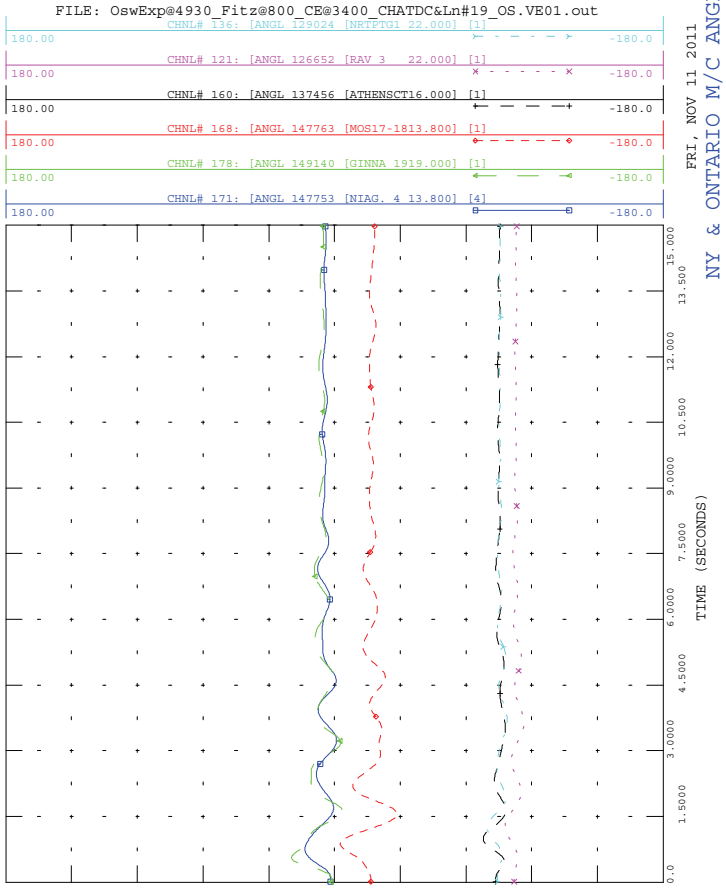
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.VE01.out



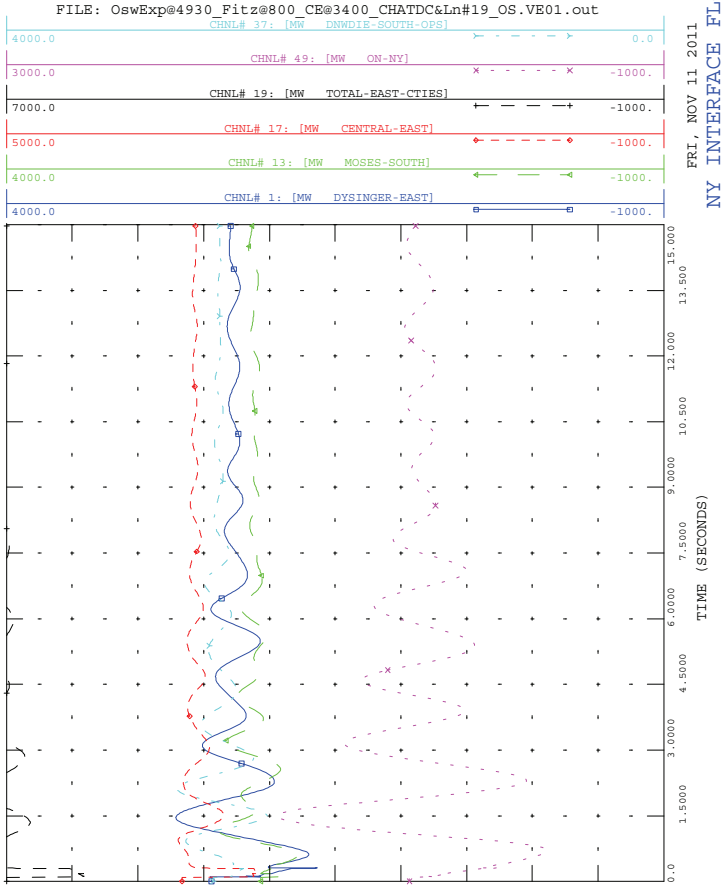
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.VE01.out



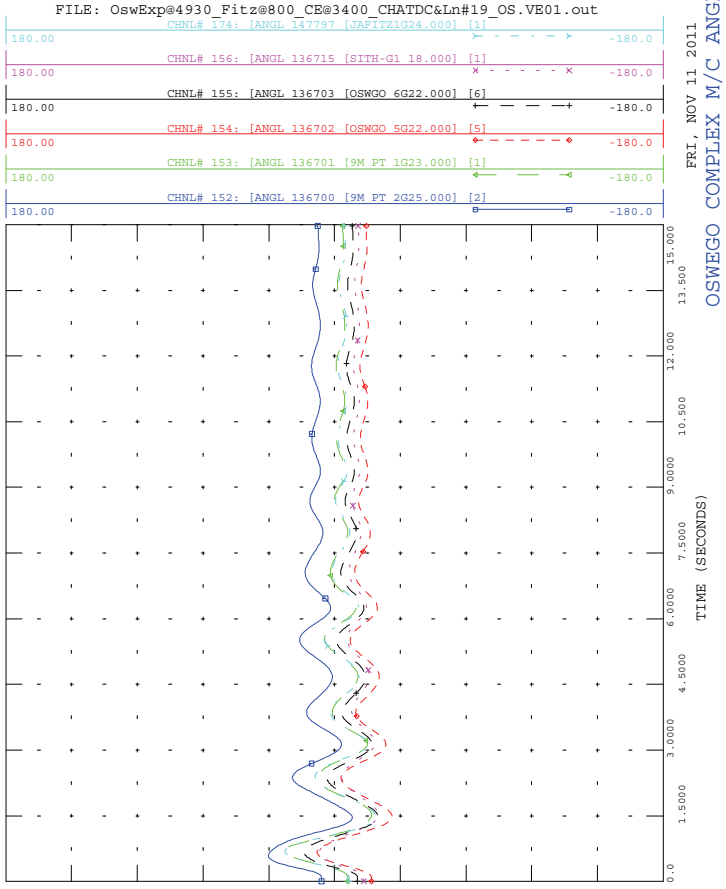
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.VE01.out



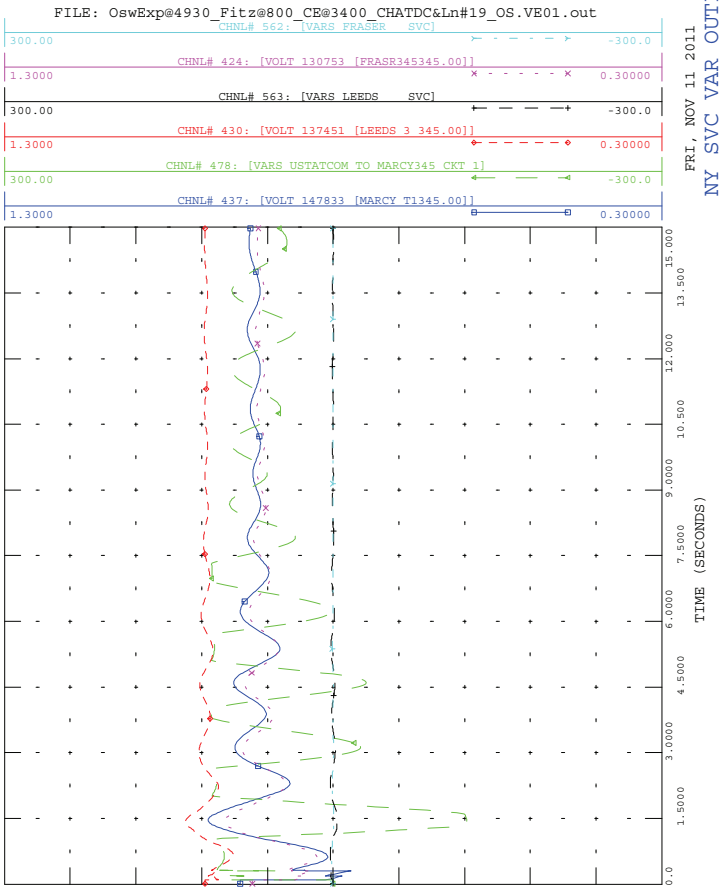
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.VE01.out



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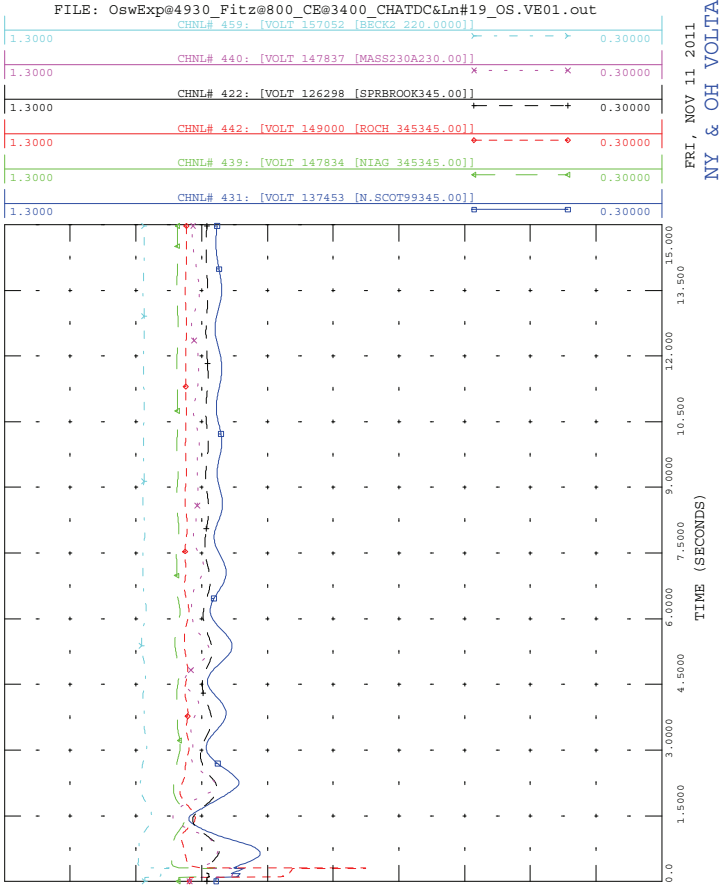
NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@4930,MARCY-VOLNEY(#19)_O/S CHATDC_OFF,CE/MS@3400/2000

FILE: OswExp@4930_Fitz@800_CE@3400_CHATDC&Ln#19_OS.VE01.out



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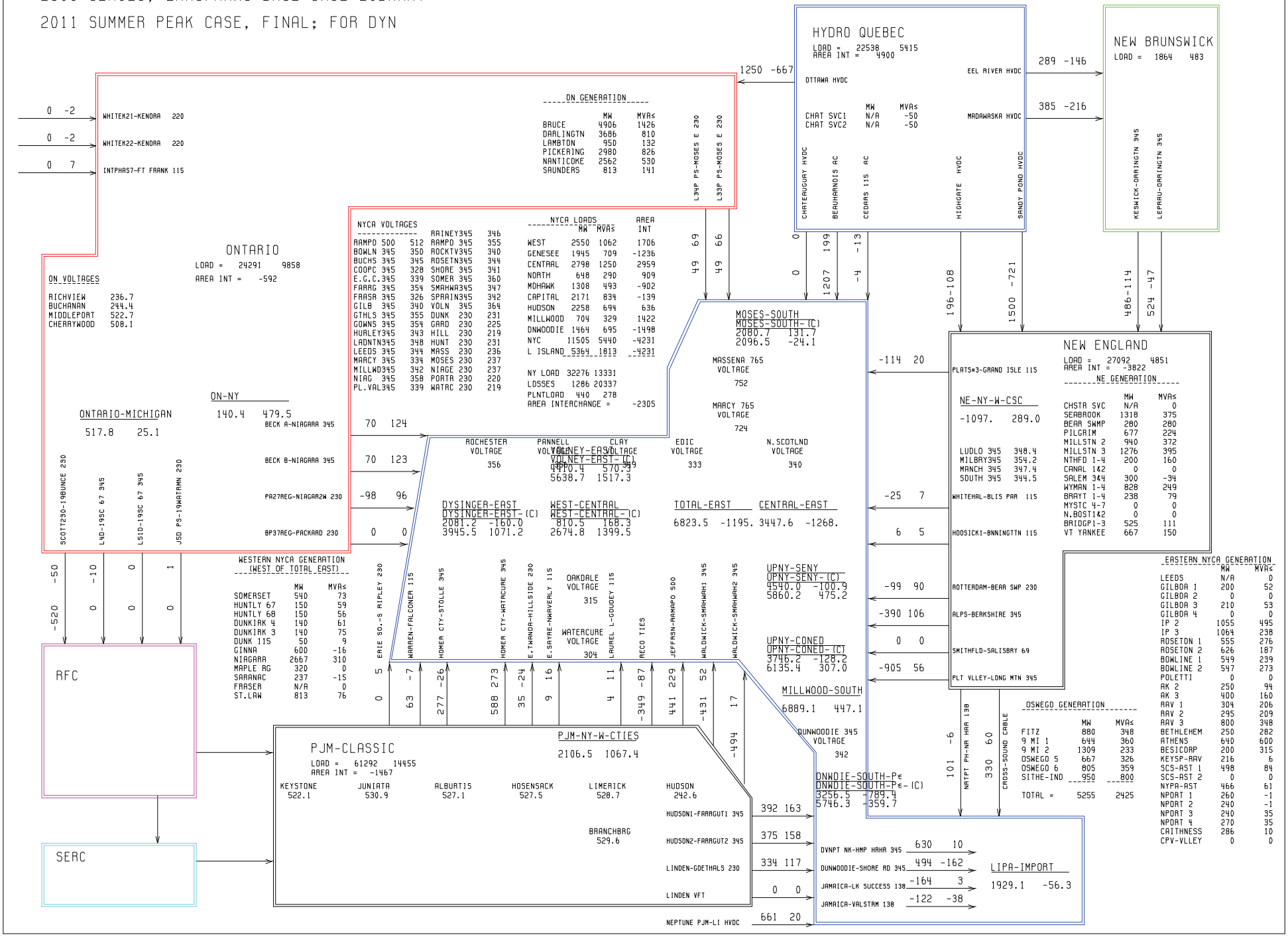
NY & OH VOLTAGES

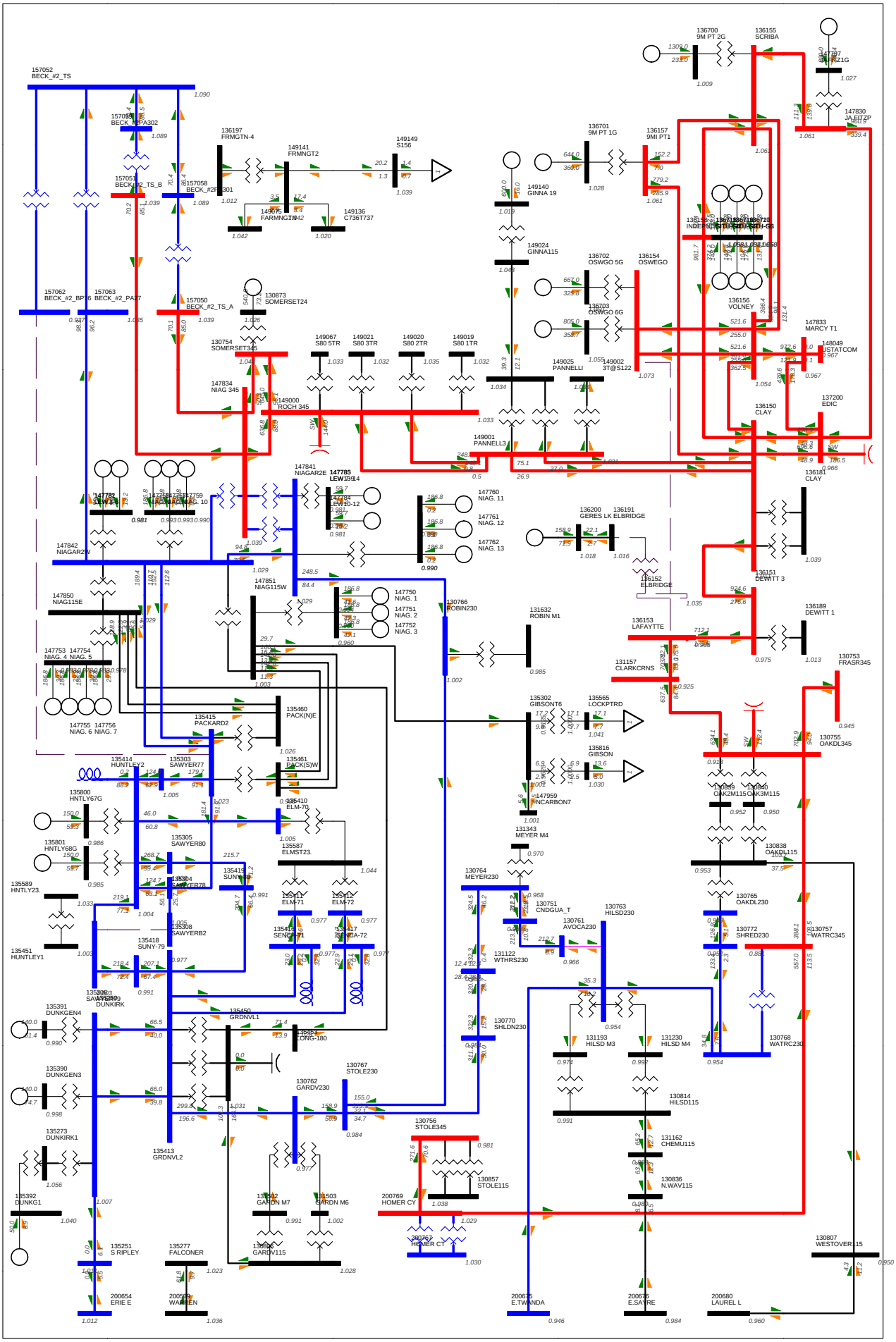
APPENDIX H: Oswego Export Limit - Oswego–Lafayette (17) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
FRI, NOV 11 2011 9:33

Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

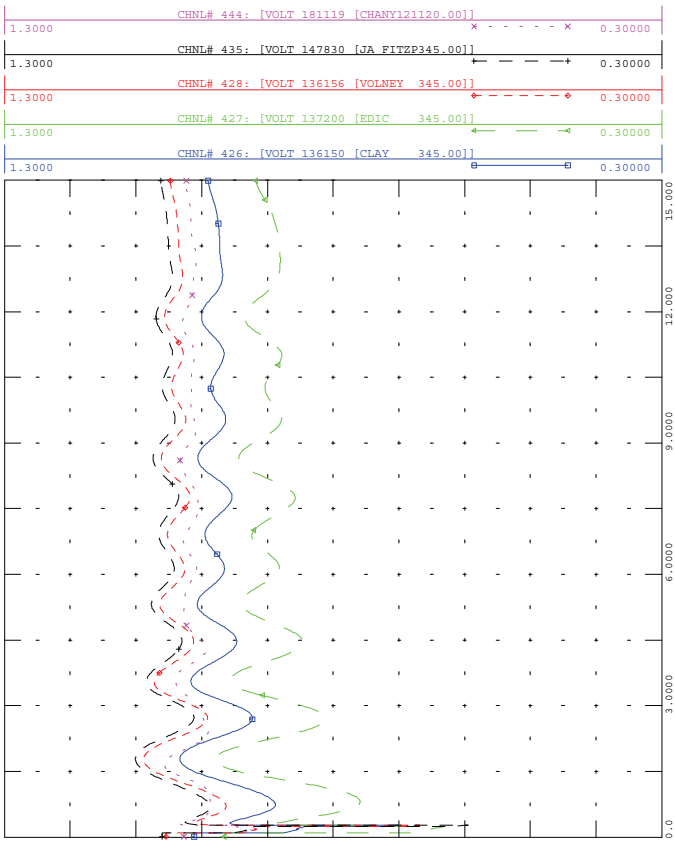
WESTERN NYISO

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE03.out

FRI, NOV 11 2011 9:17

OSWEGO COMPLEX VOLTAGES

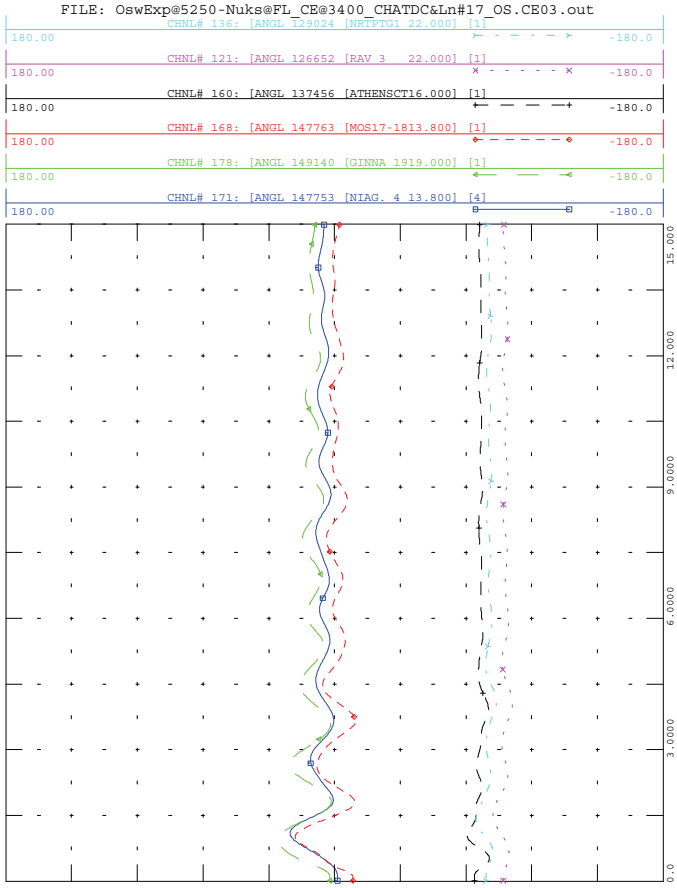


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE03.out

FRI, NOV 11 2011 9:17

NY & ONTARIO M/C ANGLES

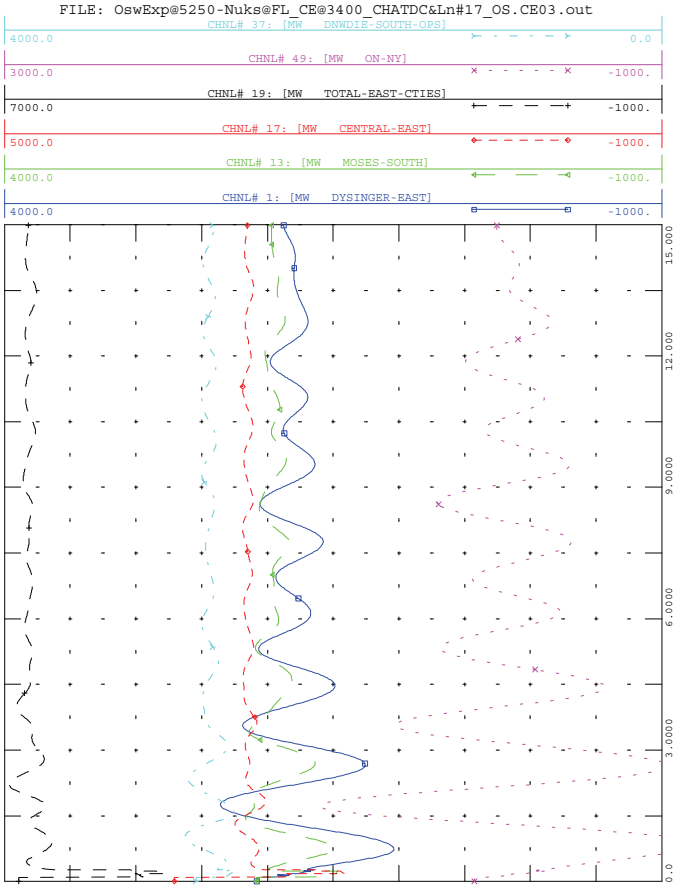


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE03.out

FRI, NOV 11 2011 9:17

NY INTERFACE FLOWS

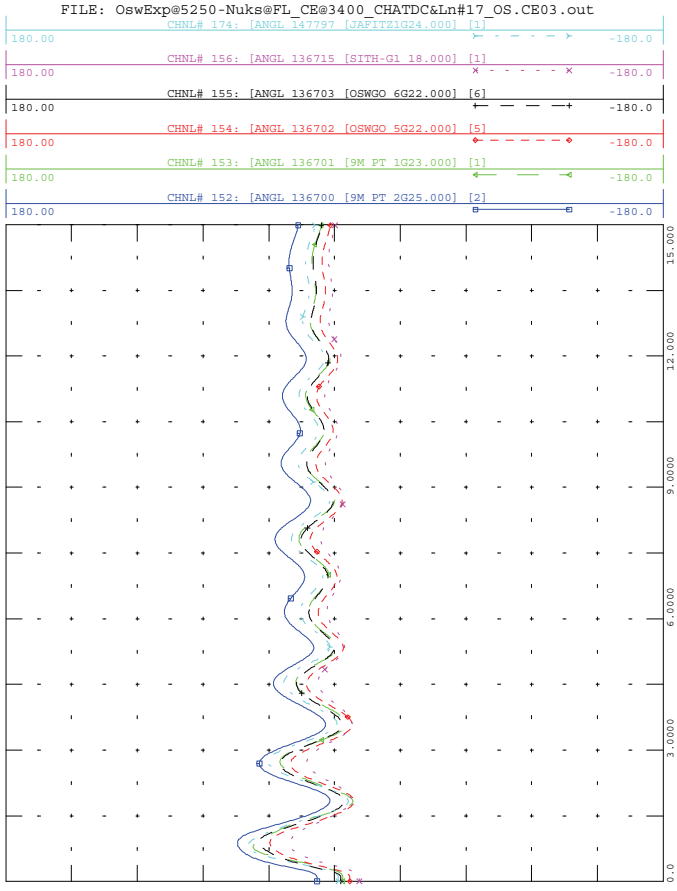


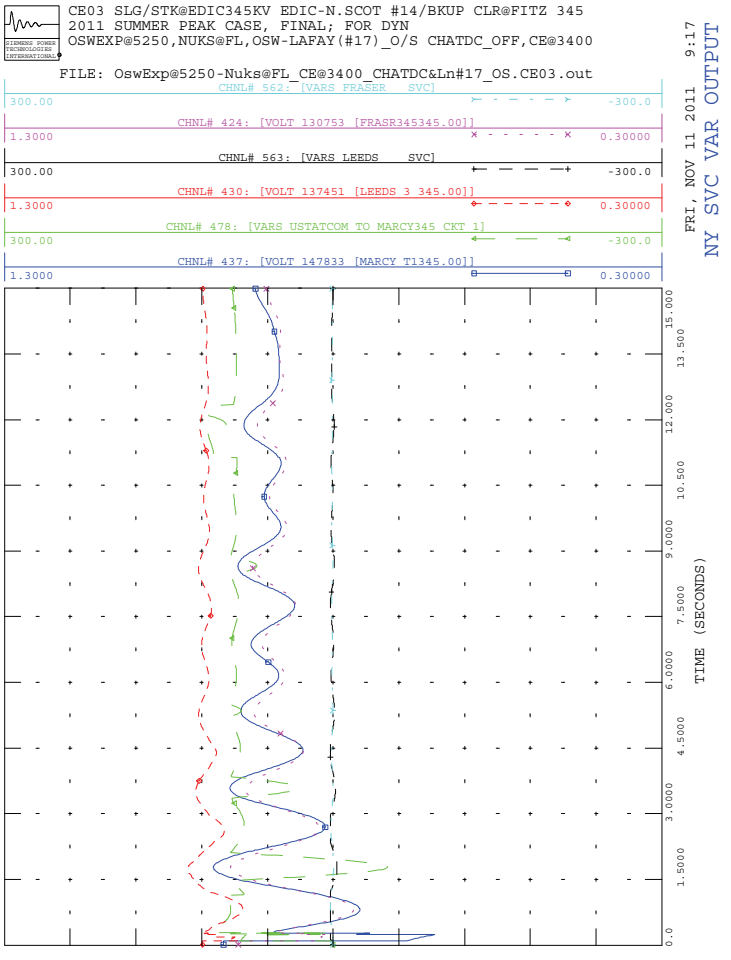
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE03.out

FRI, NOV 11 2011 9:17

OSWEGO COMPLEX M/C ANGLES




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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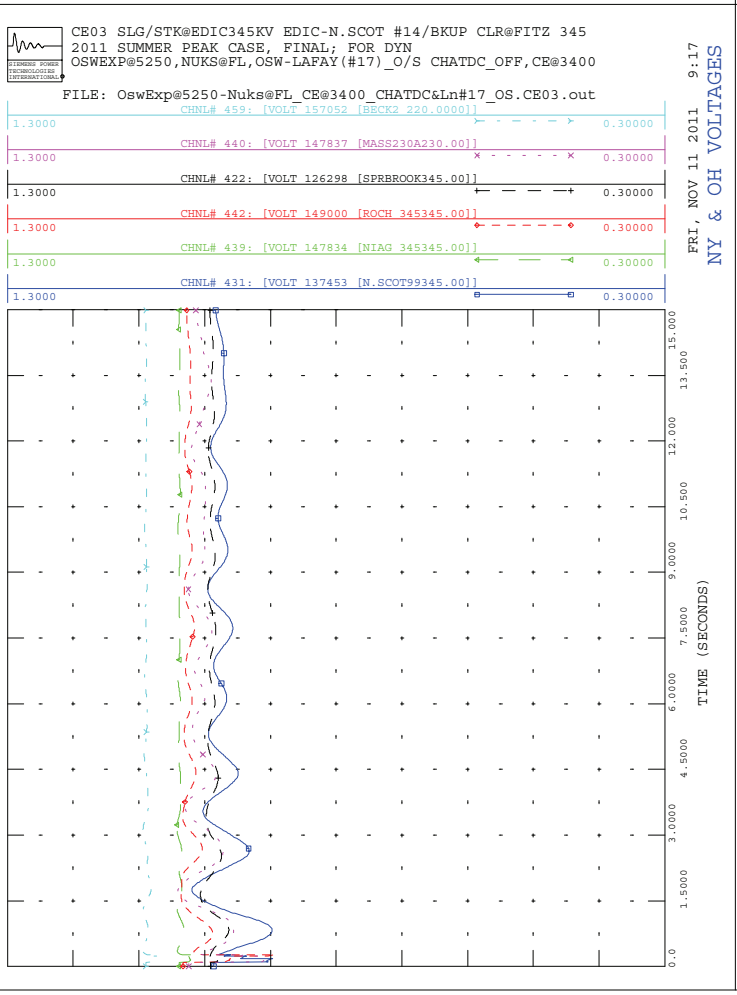
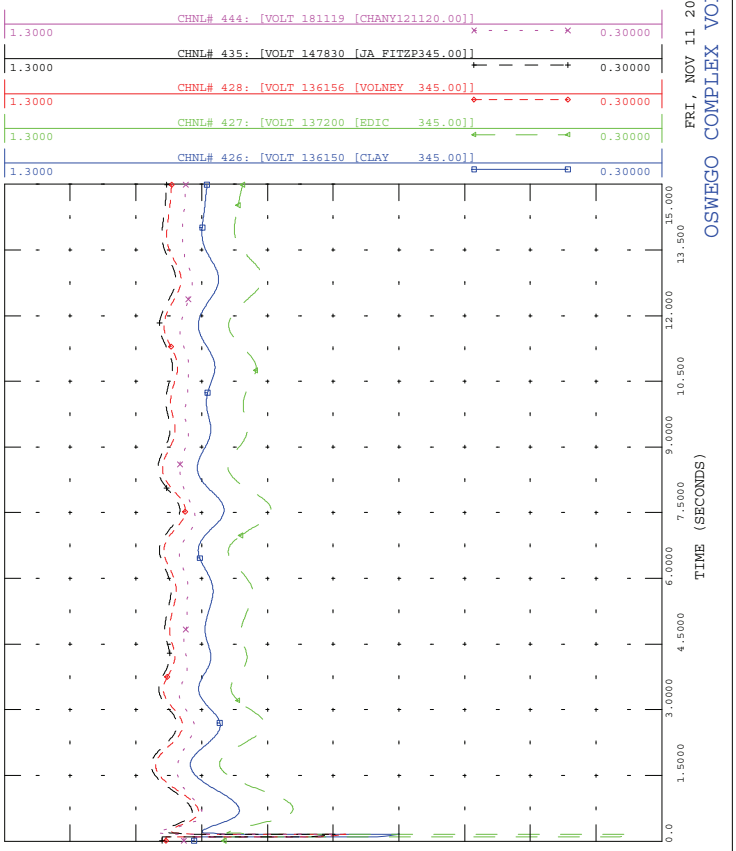
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY & OH VOLTAGES

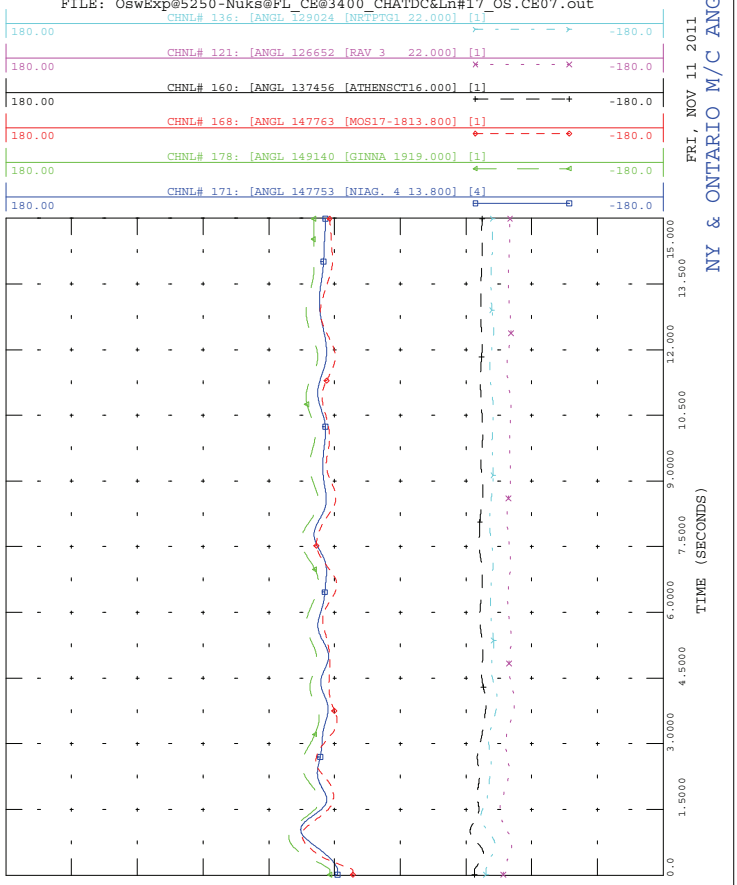
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE07.out



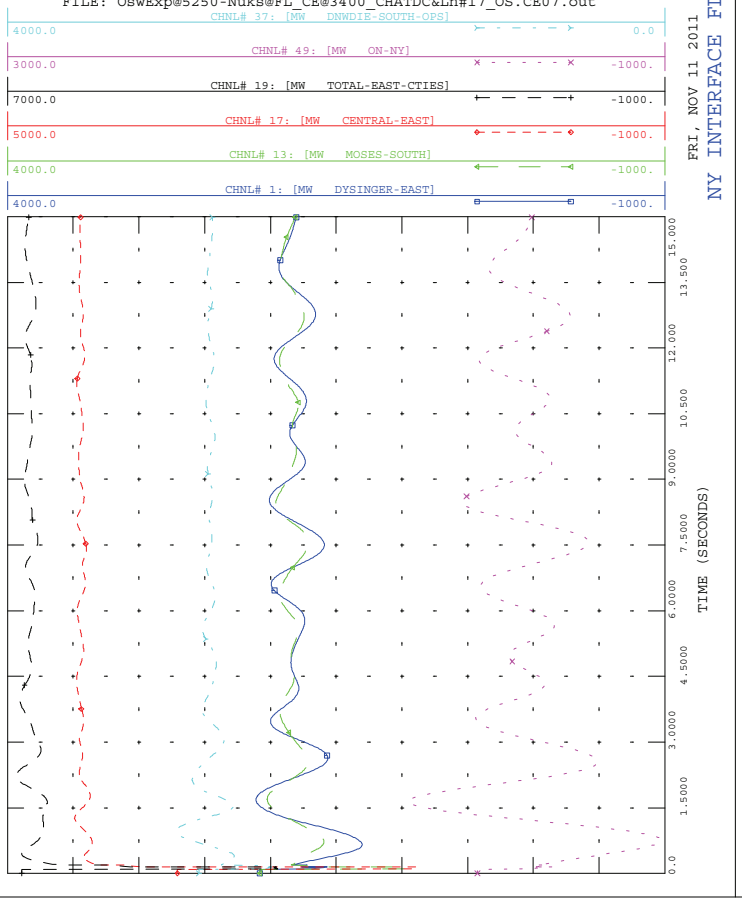
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE07.out



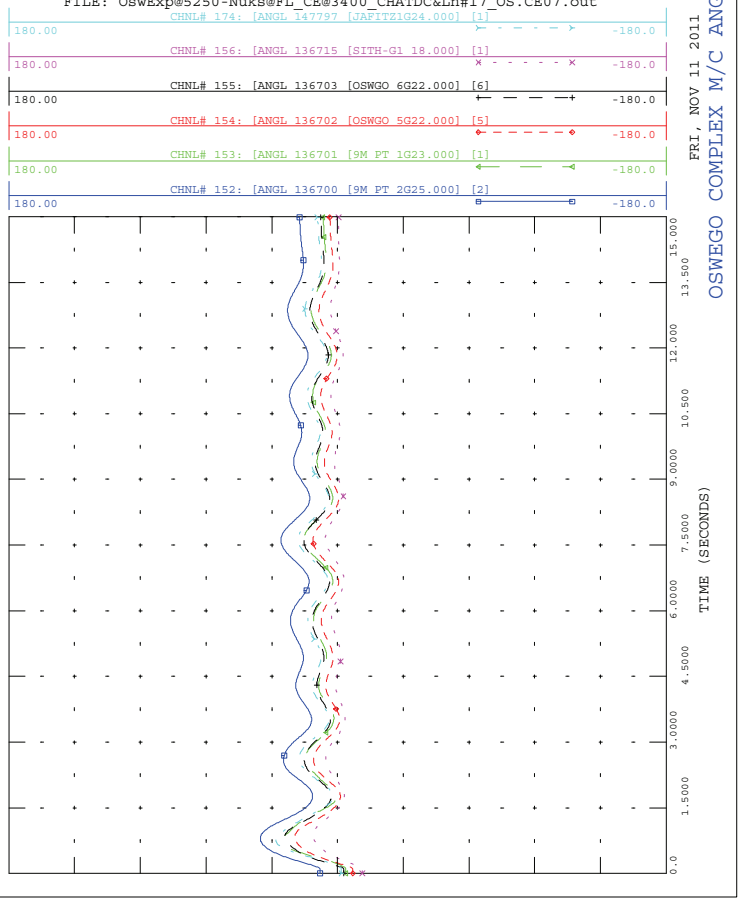
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE07.out



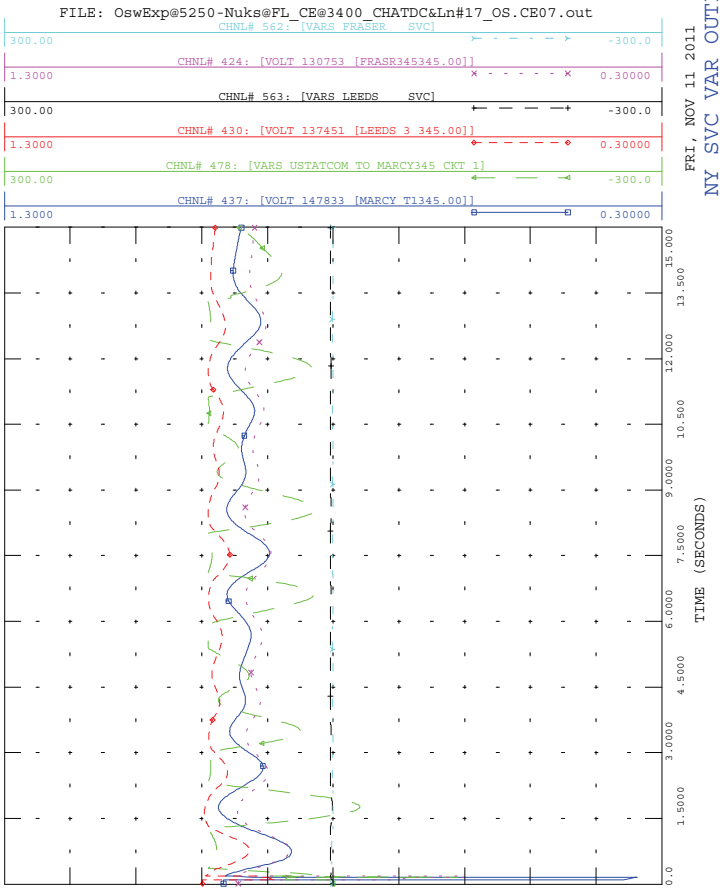
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE07.out



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE07.out

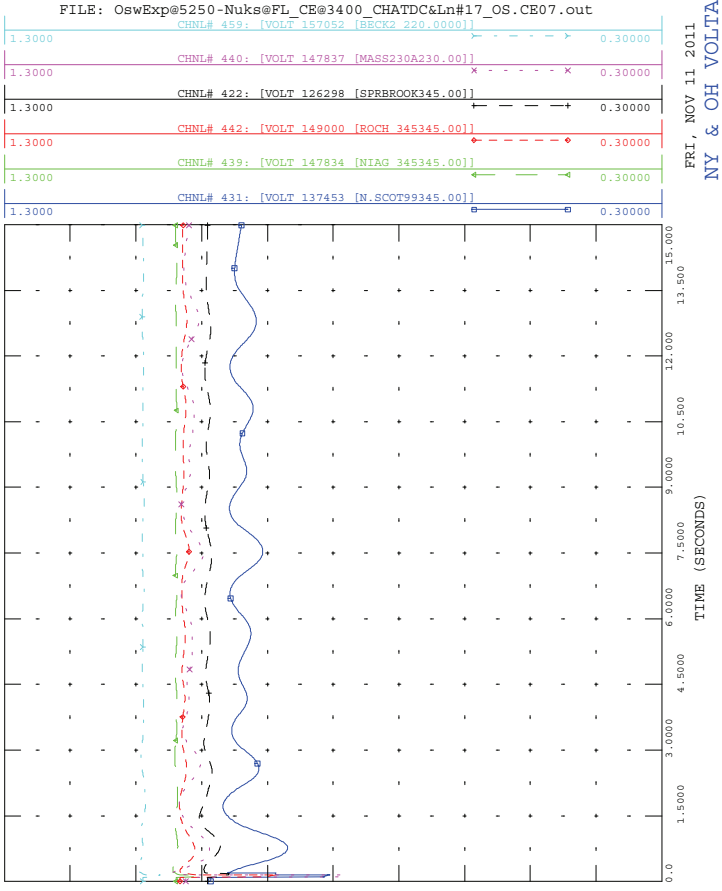


FRI, NOV 11 2011 9:17

NY SVC VAR OUTPUT

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE07.out



FRI, NOV 11 2011 9:17

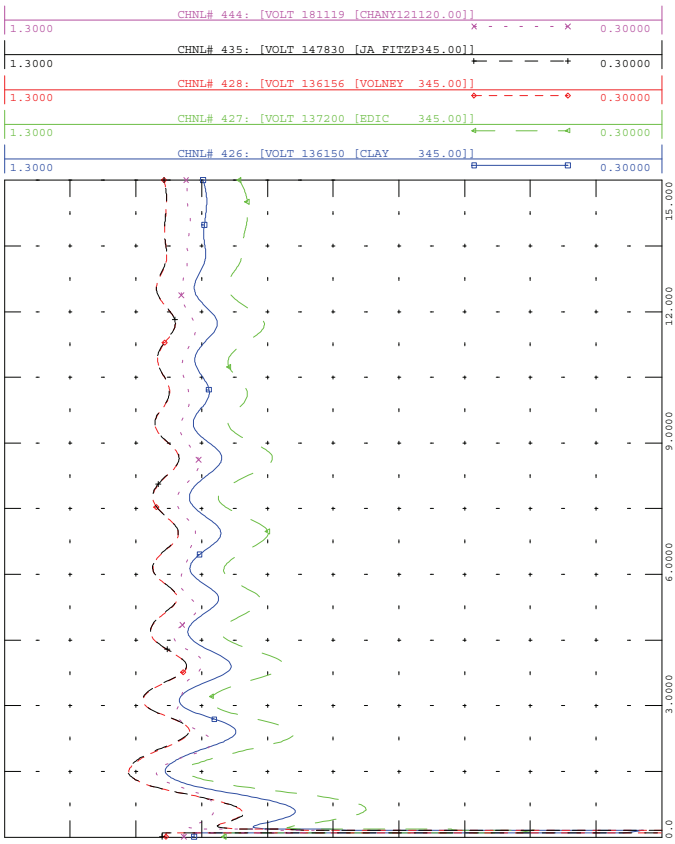
NY & OH VOLTAGES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE13.out

FRI, NOV 11 2011 9:17

OSWEGO COMPLEX VOLTAGES

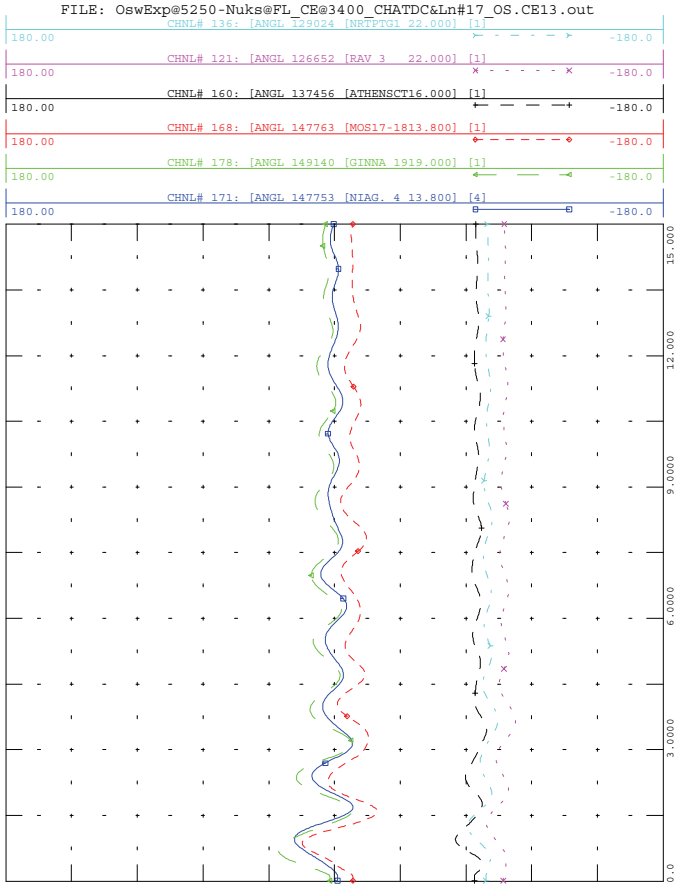


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE13.out

FRI, NOV 11 2011 9:17

NY & ONTARIO M/C ANGLES

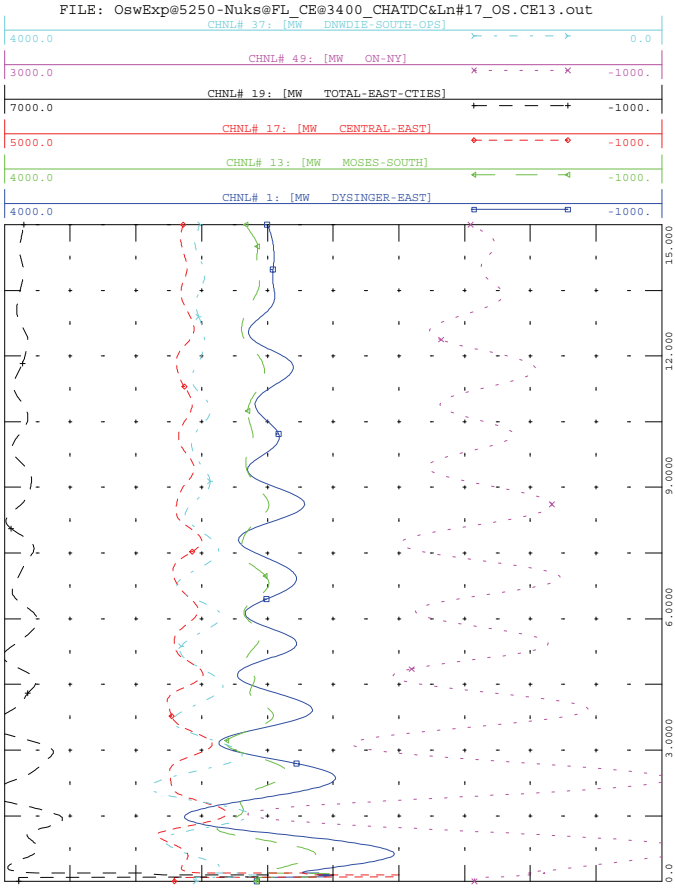


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE13.out

FRI, NOV 11 2011 9:17

NY INTERFACE FLOWS

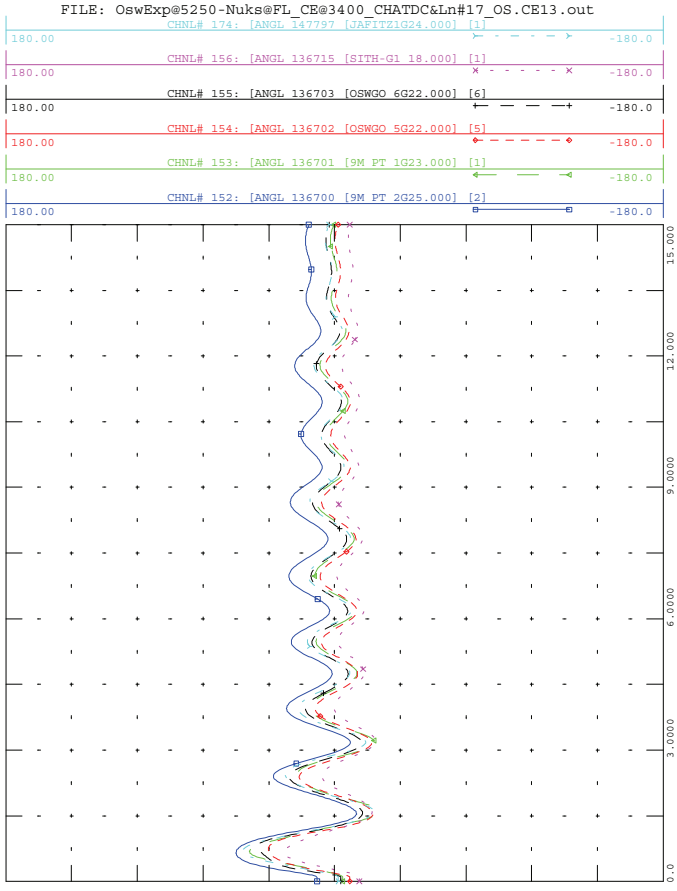


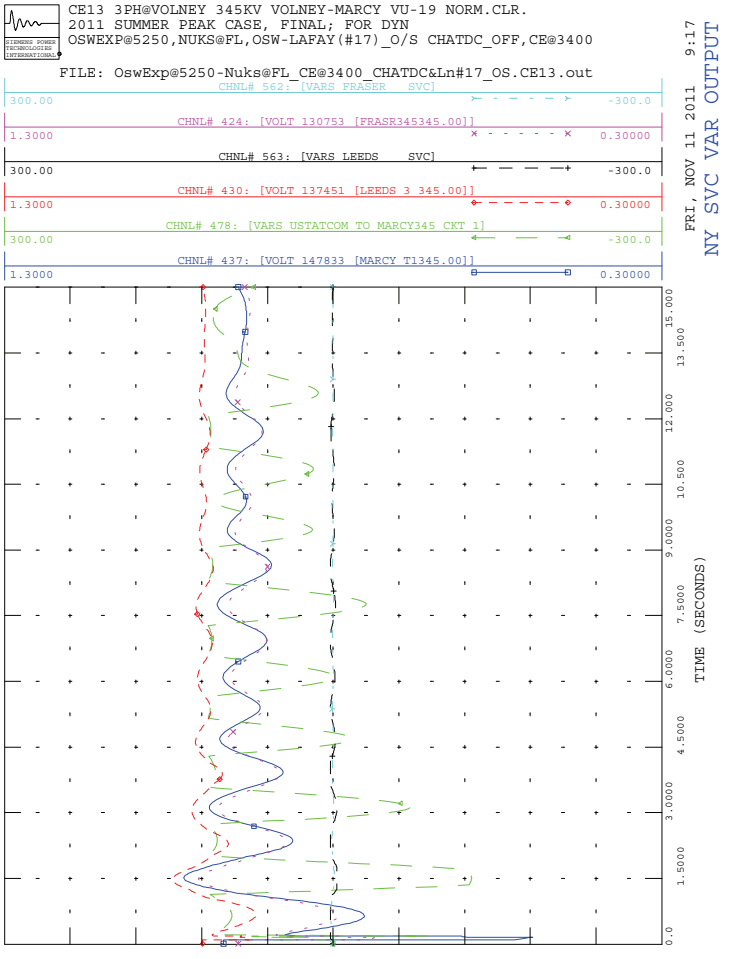
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

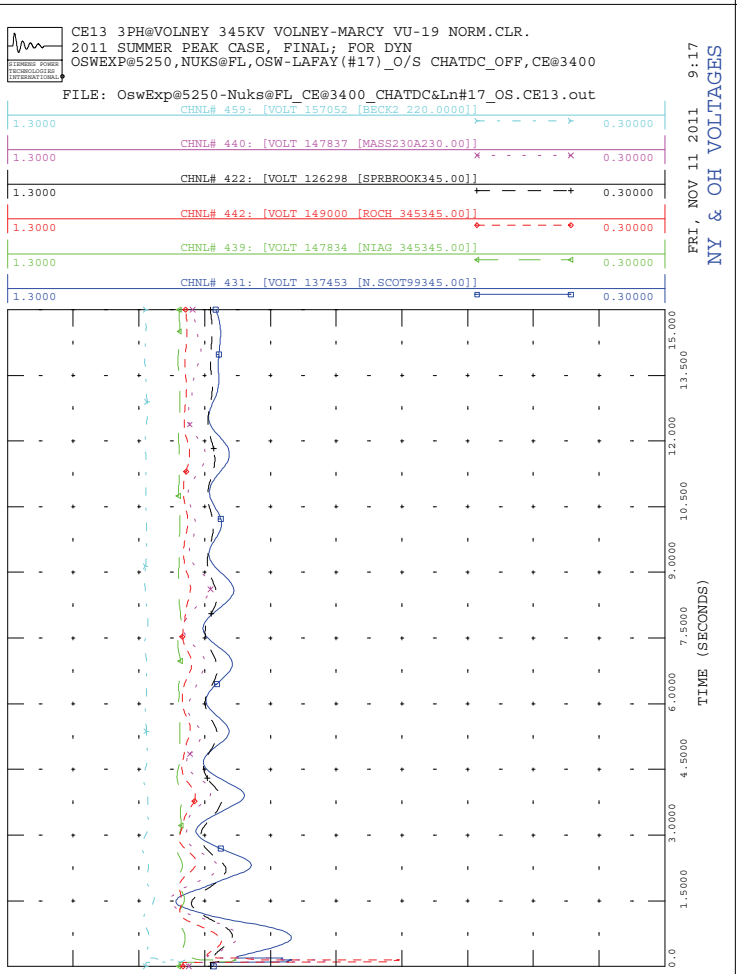
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE13.out

FRI, NOV 11 2011 9:17

OSWEGO COMPLEX M/C ANGLES




CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY SVC VAR OUTPUT

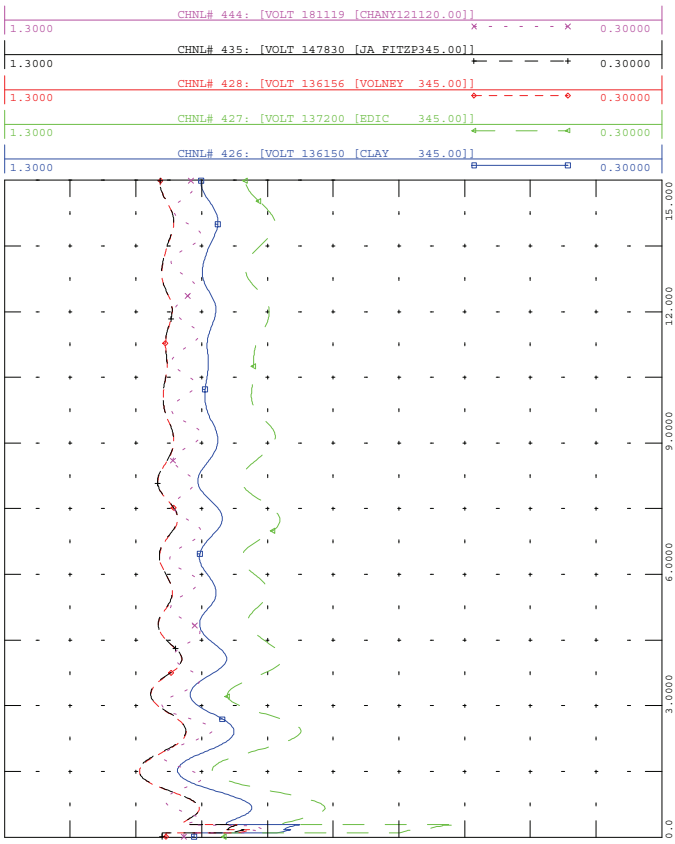

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY & OH VOLTAGES

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE15.out

FRI, NOV 11 2011 9:17

OSWEGO COMPLEX VOLTAGES

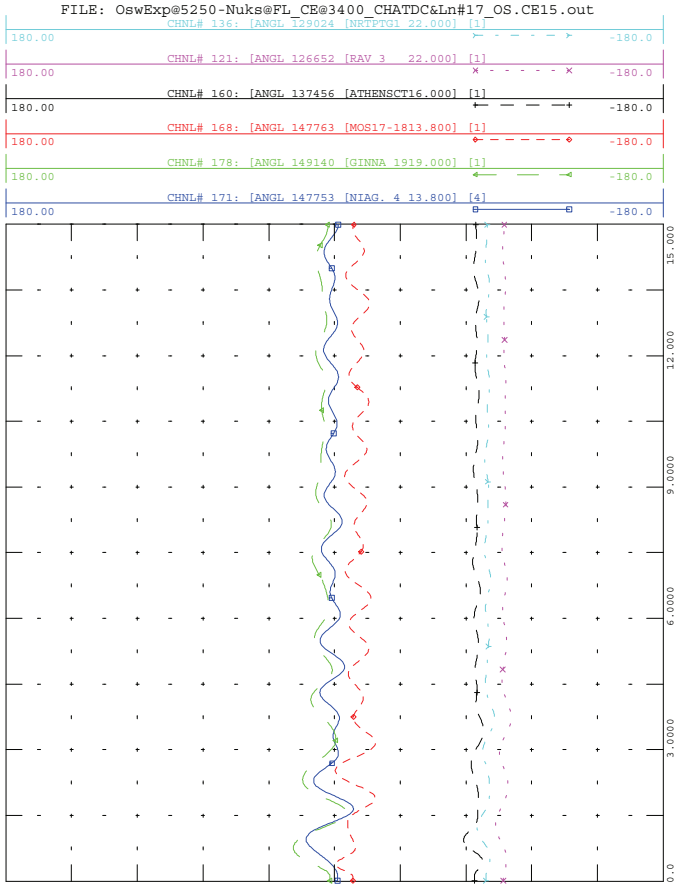


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE15.out

FRI, NOV 11 2011 9:17

NY & ONTARIO M/C ANGLES

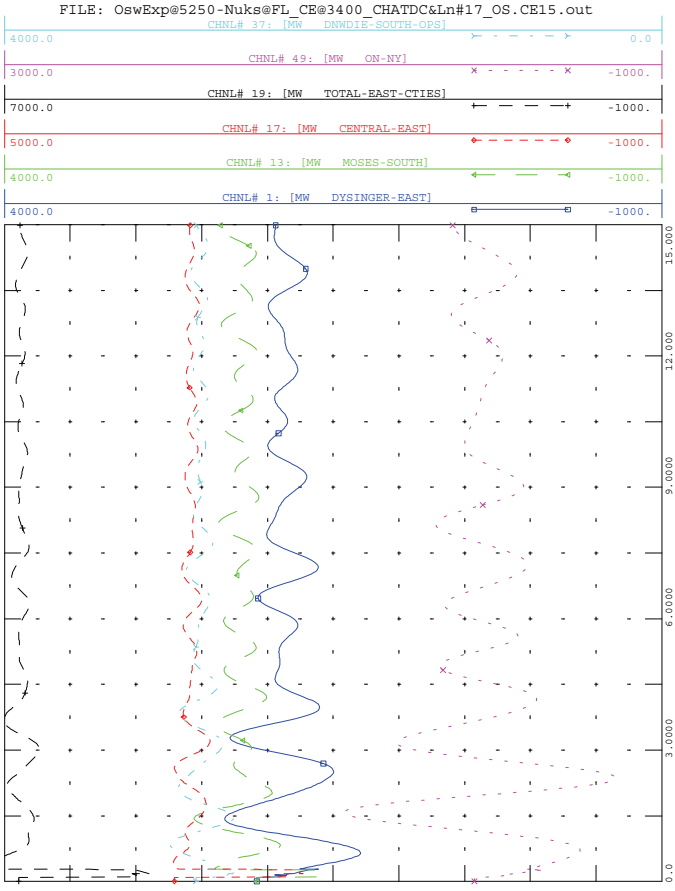


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE15.out

FRI, NOV 11 2011 9:17

NY INTERFACE FLOWS

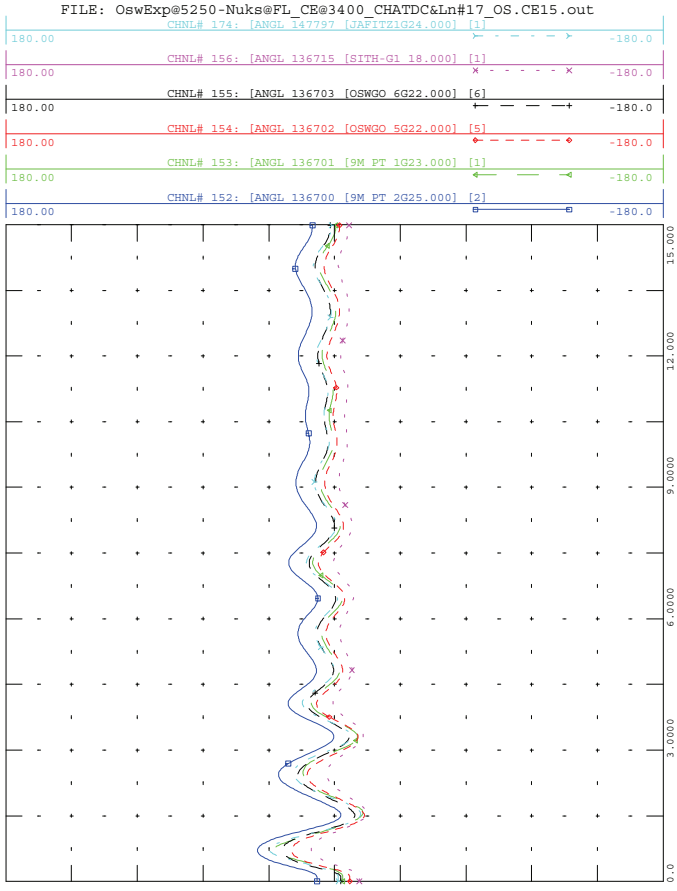


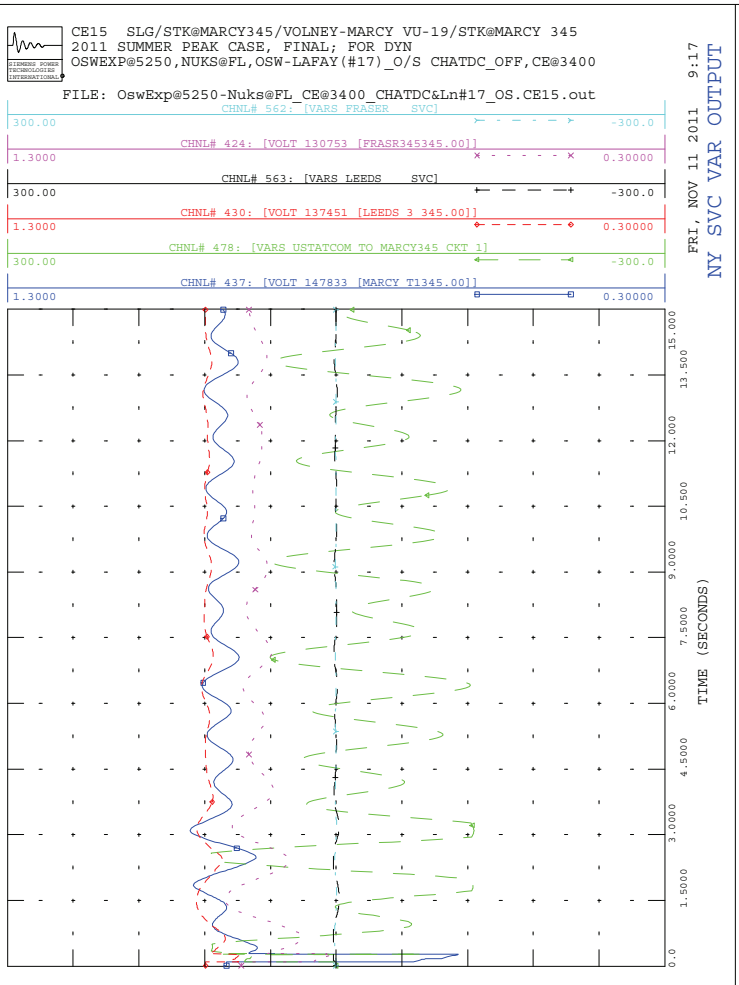
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

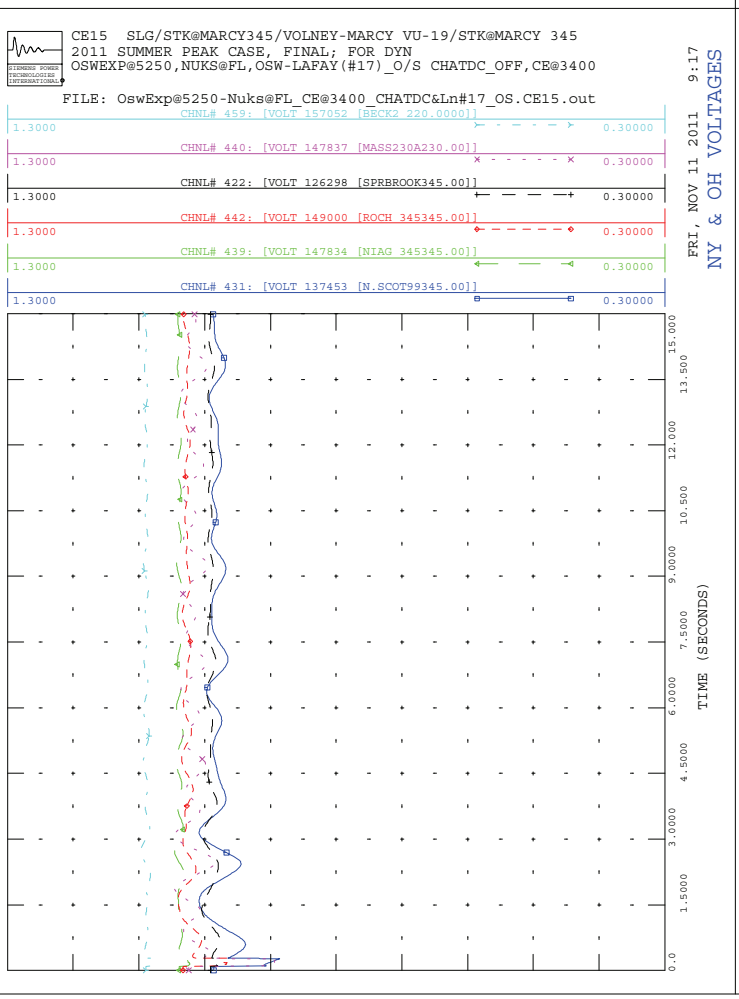
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE15.out

FRI, NOV 11 2011 9:17

OSWEGO COMPLEX M/C ANGLES

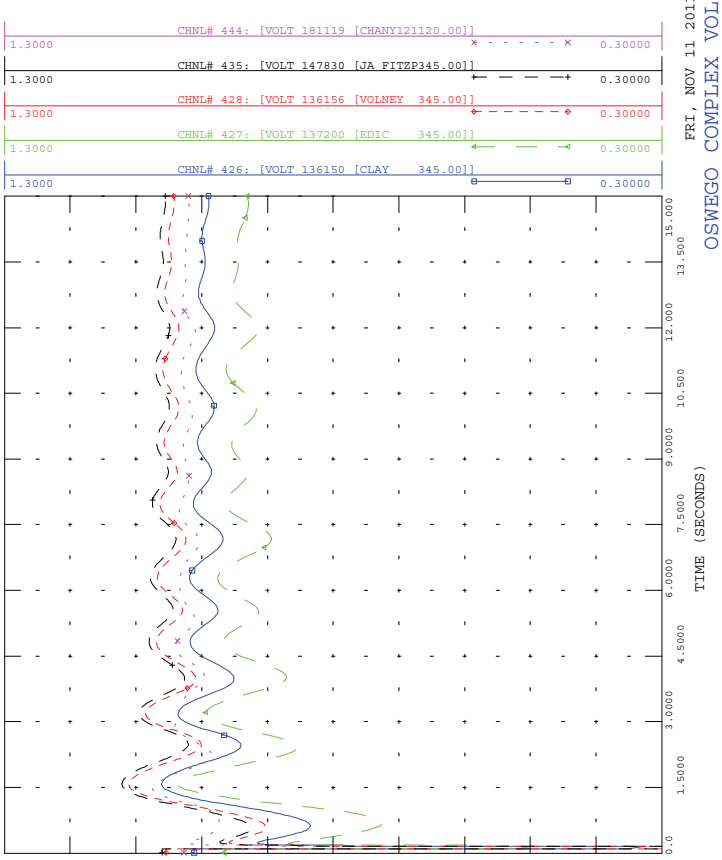



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY SVC VAR OUTPUT


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY & OH VOLTAGES

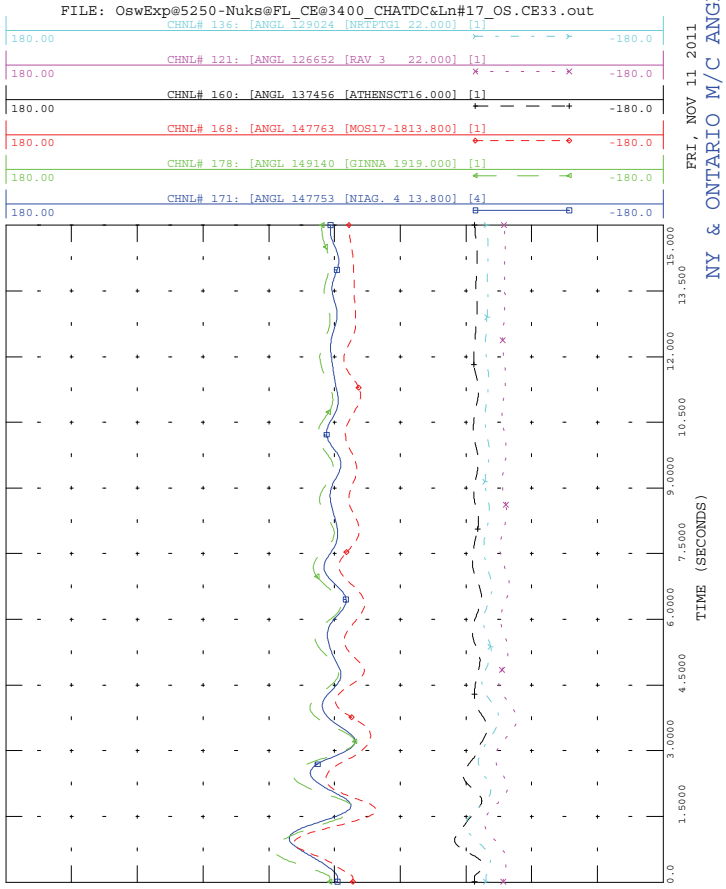
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE33.out



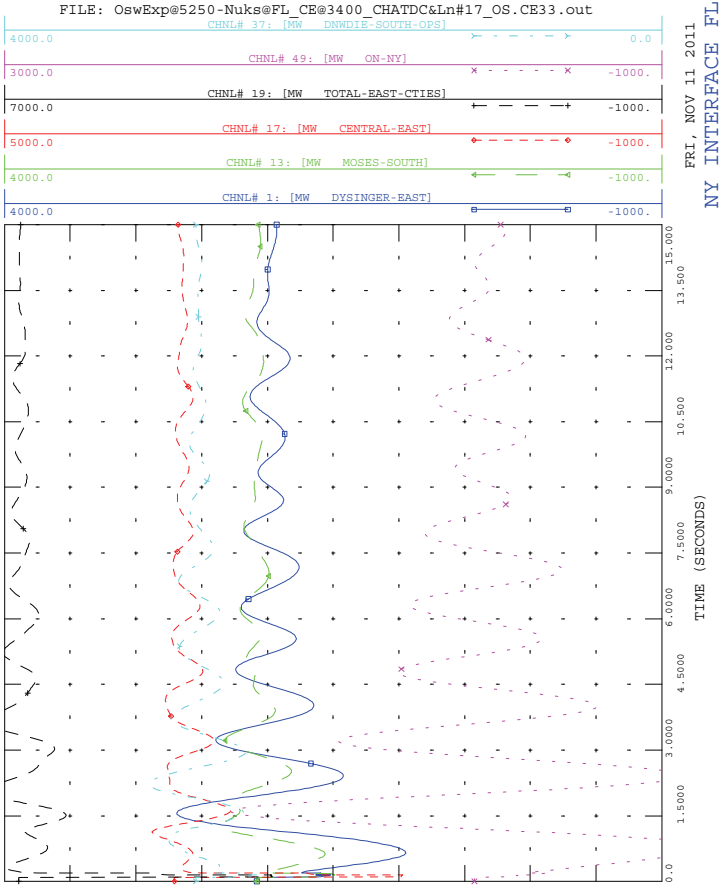
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE33.out



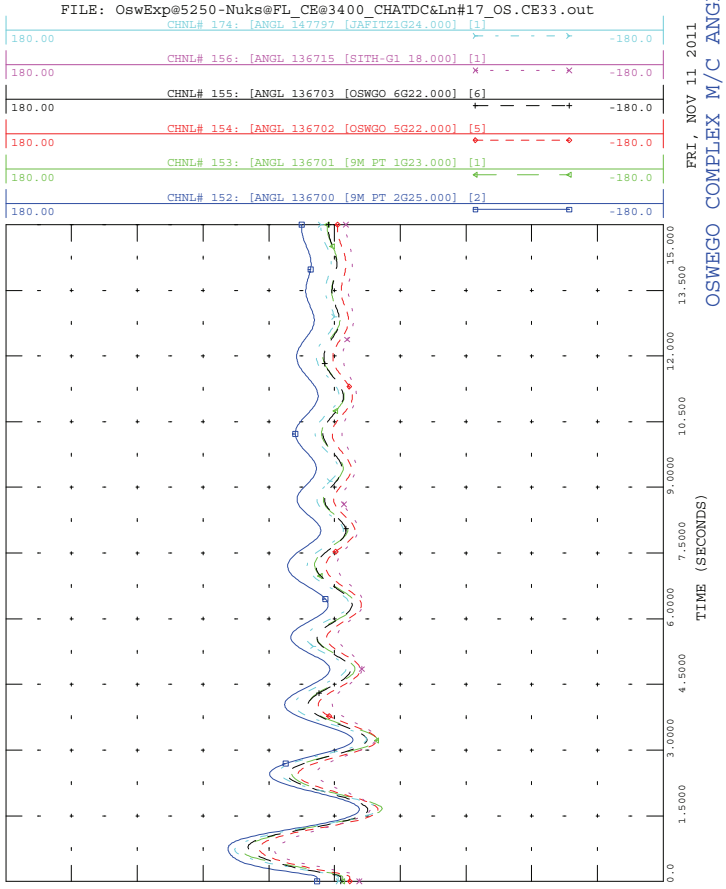
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE33.out



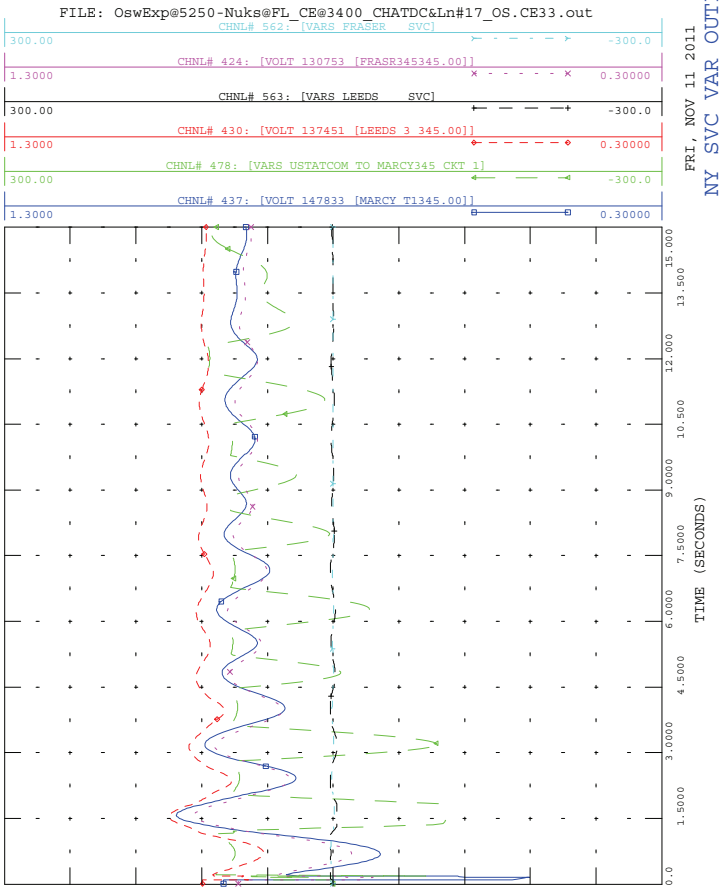
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE33.out

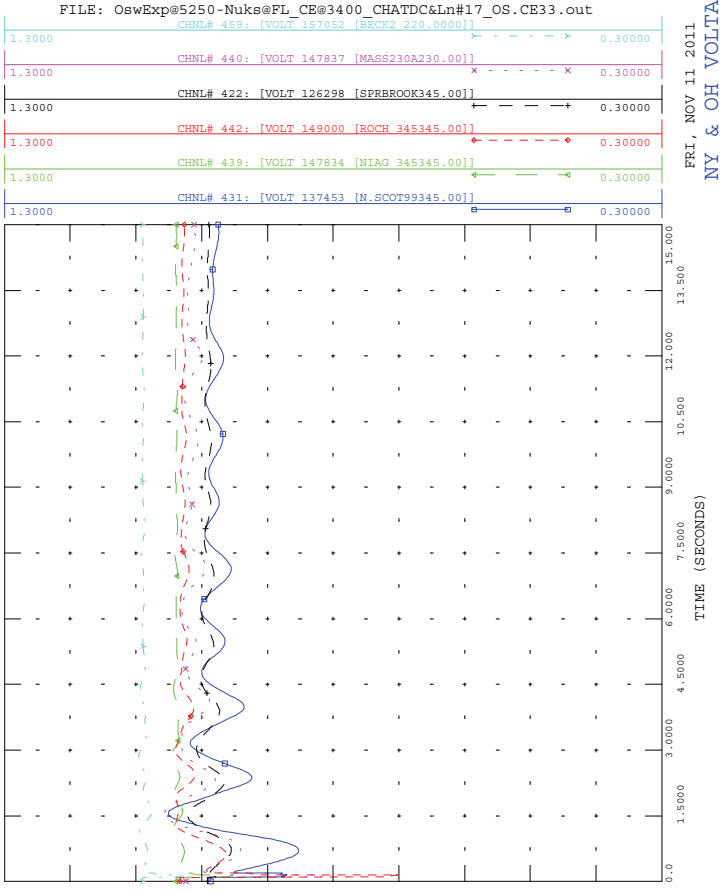


FRI, NOV 11 2011 9:17

NY SVC VAR OUTPUT

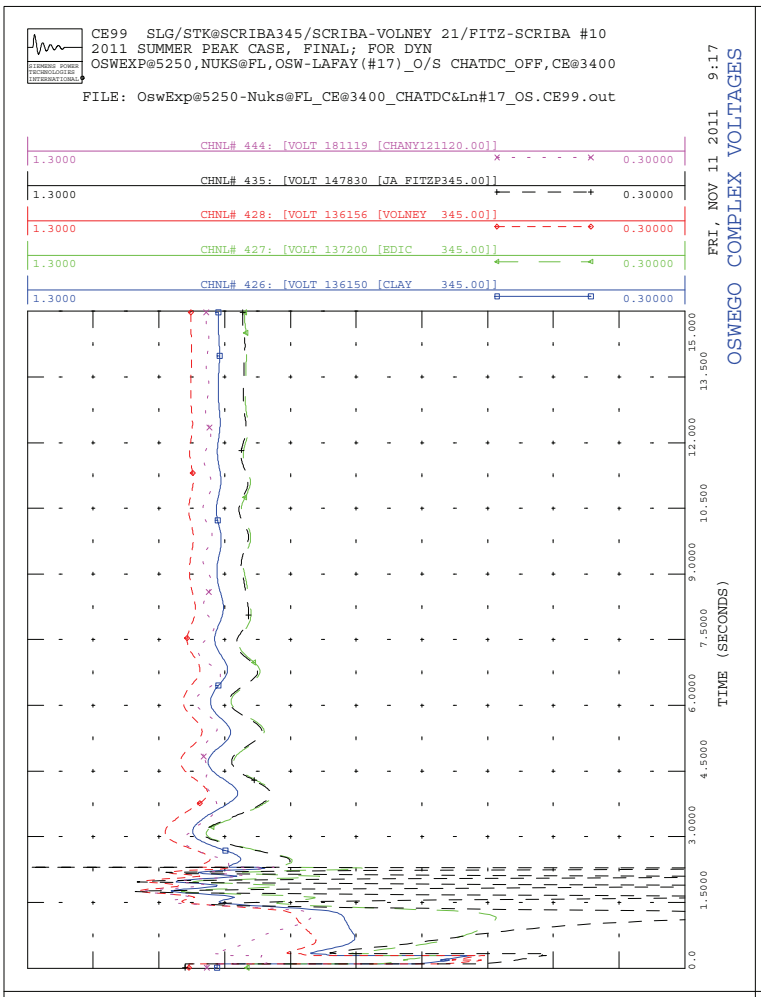
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

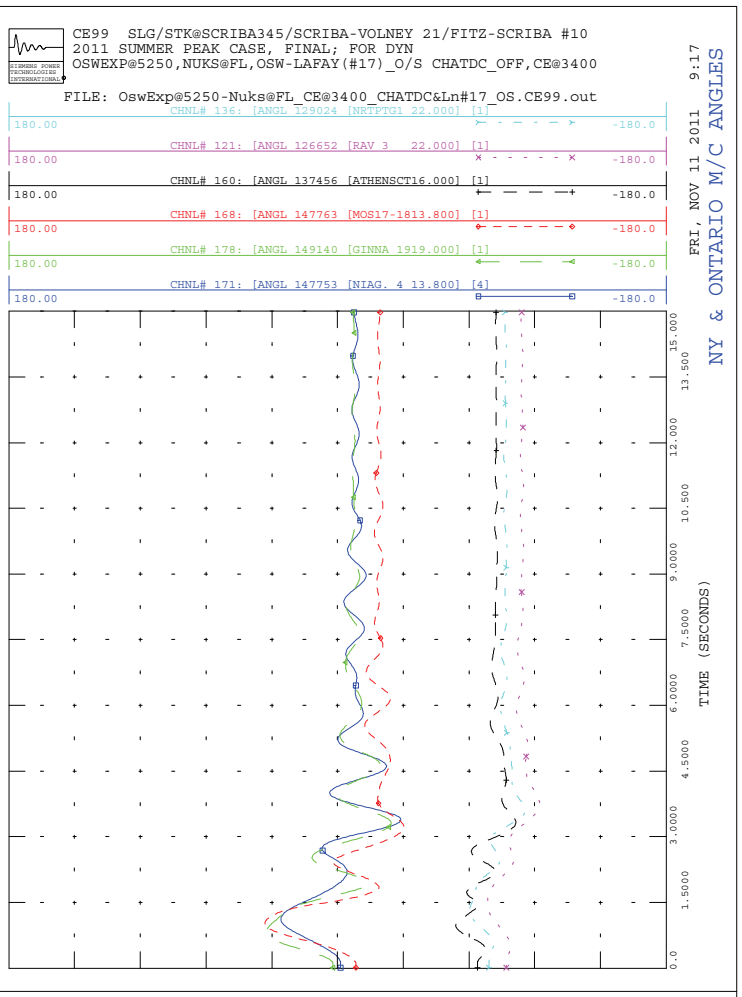
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE33.out

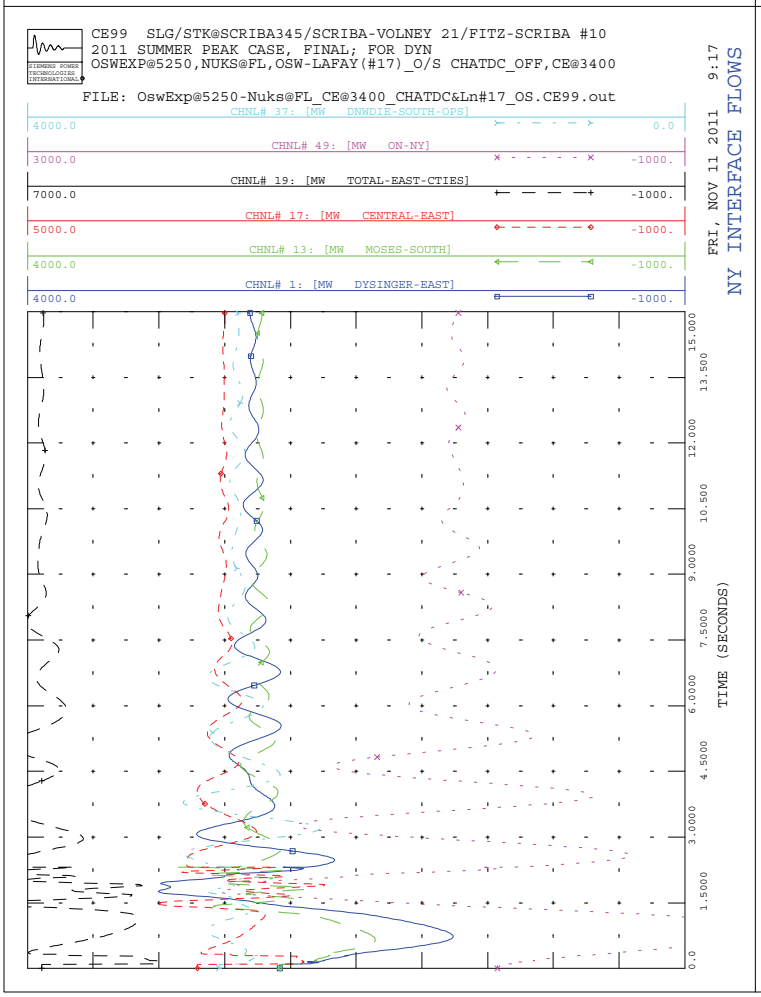


FRI, NOV 11 2011 9:17

NY & OH VOLTAGES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE99.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
1.3000
0.30000
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
1.3000
0.30000
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
1.3000
0.30000
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
1.3000
0.30000
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
1.3000
0.30000
FRI, NOV 11 2011 9:17
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE99.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
180.00
-180.0
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
180.00
-180.0
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
180.00
-180.0
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
180.00
-180.0
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
180.00
-180.0
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
180.00
-180.0
FRI, NOV 11 2011 9:17
NY & ONTARIO M/C ANGLES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
4000.0
0.0
CHNL# 49: [MW ON-NY]
3000.0
-1000.
CHNL# 19: [MW TOTAL-EAST-CTIES]
7000.0
-1000.
CHNL# 17: [MW CENTRAL-EAST]
5000.0
-1000.
CHNL# 13: [MW MOSES-SOUTH]
4000.0
-1000.
CHNL# 1: [MW DYSINGER-EAST]
4000.0
-1000.
FRI, NOV 11 2011 9:17
NY INTERFACE FLOWS
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
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9.0000
10.500
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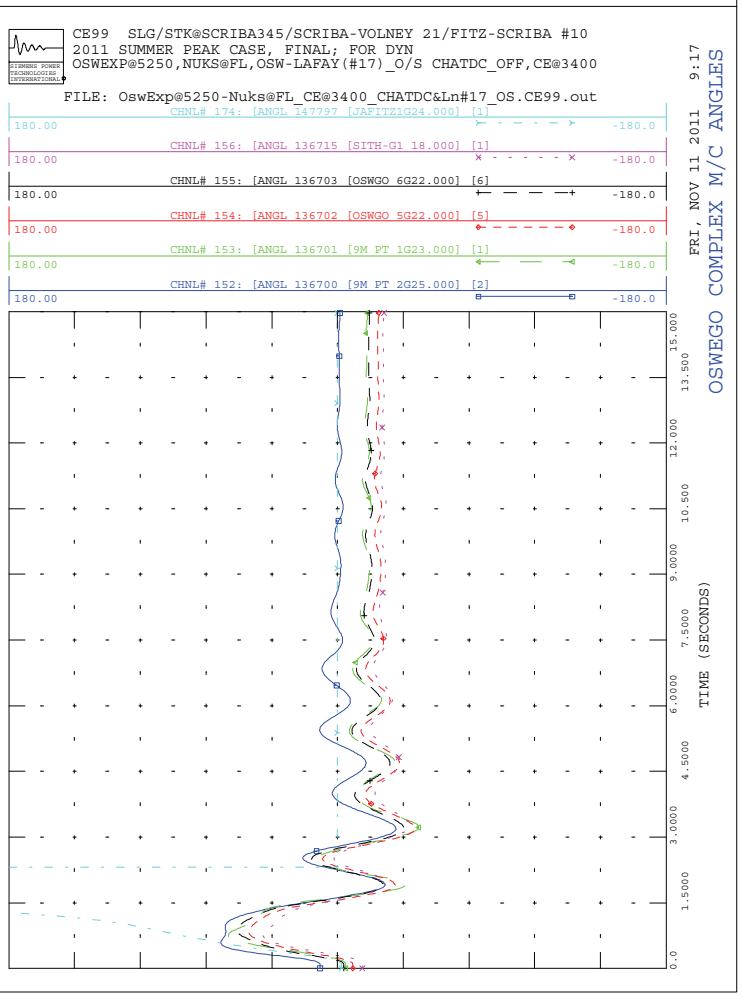
13.500
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
180.00
-180.0
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
180.00
-180.0
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
180.00
-180.0
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
180.00
-180.0
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
180.00
-180.0
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
180.00
-180.0
FRI, NOV 11 2011 9:17
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)
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3.0000
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9.0000
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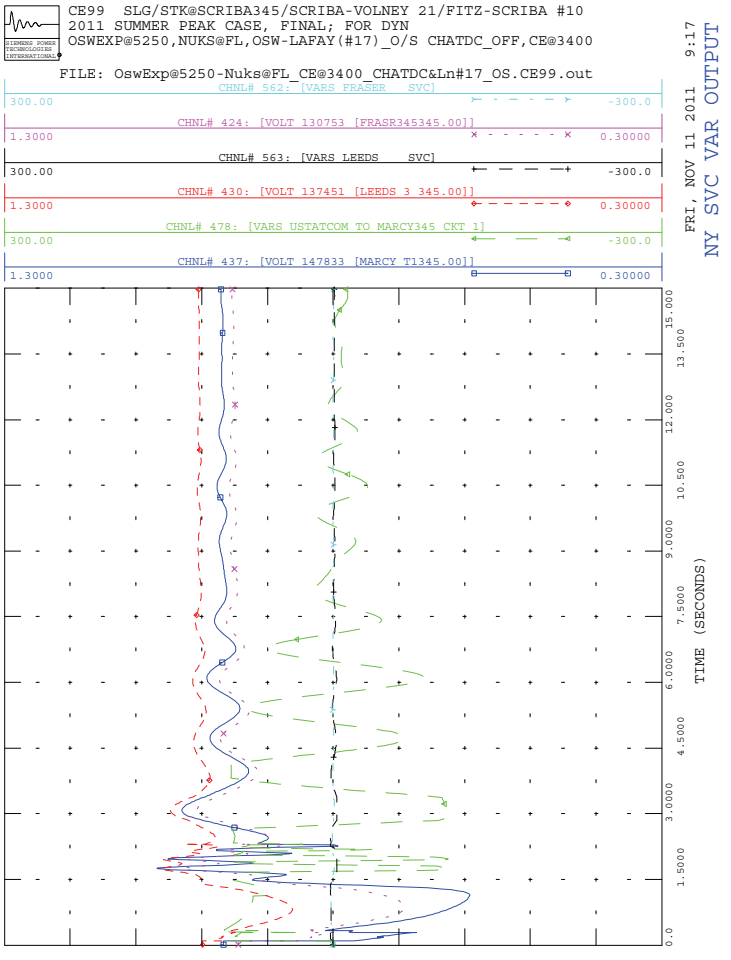
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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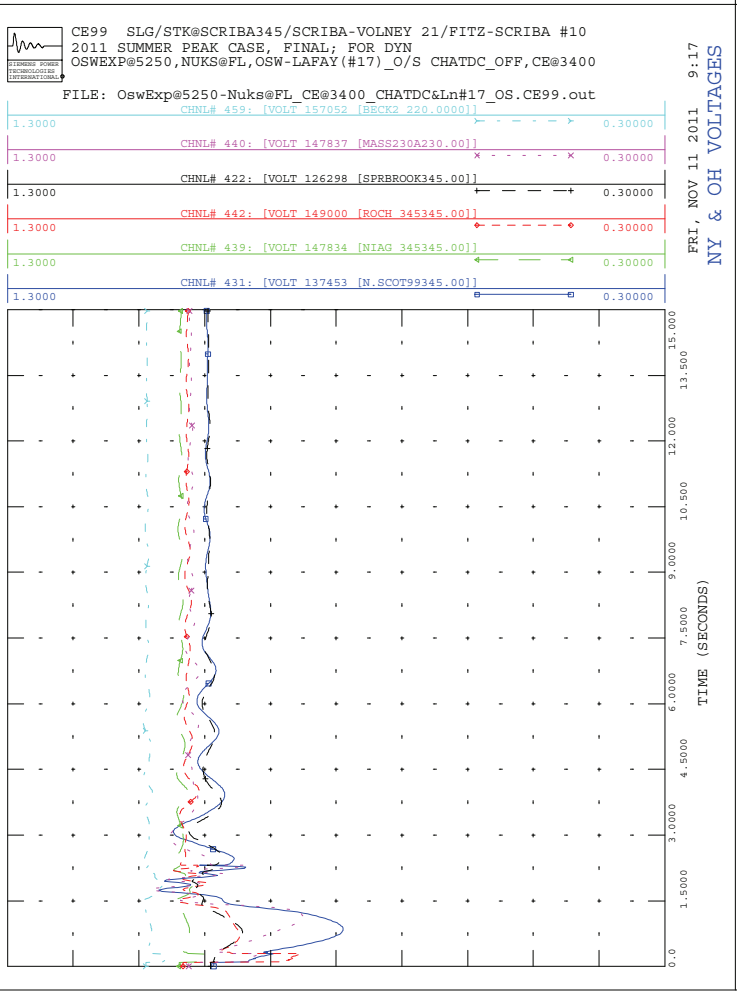
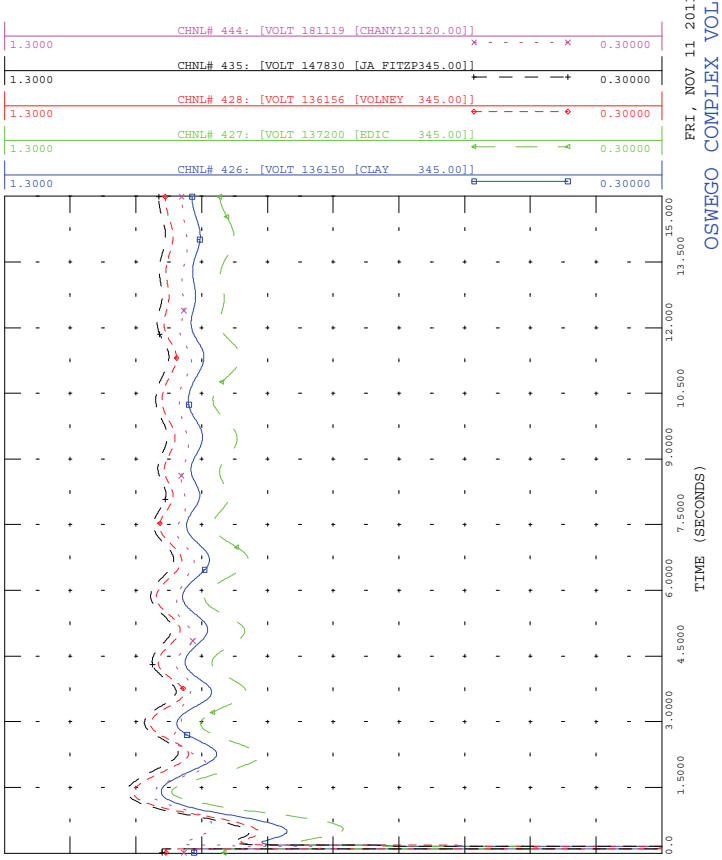
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY & OH VOLTAGES

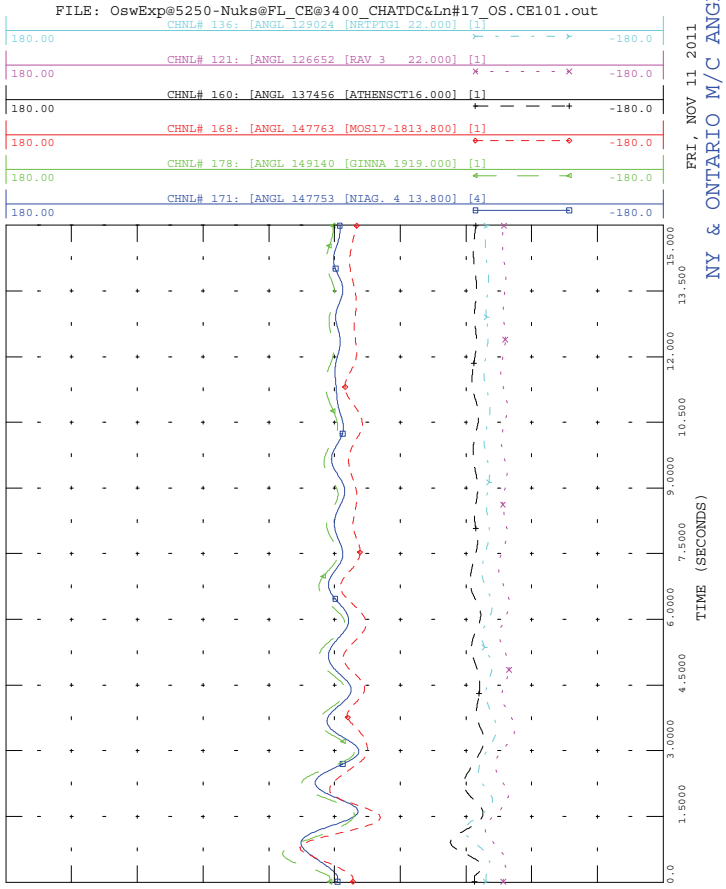
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE101.out



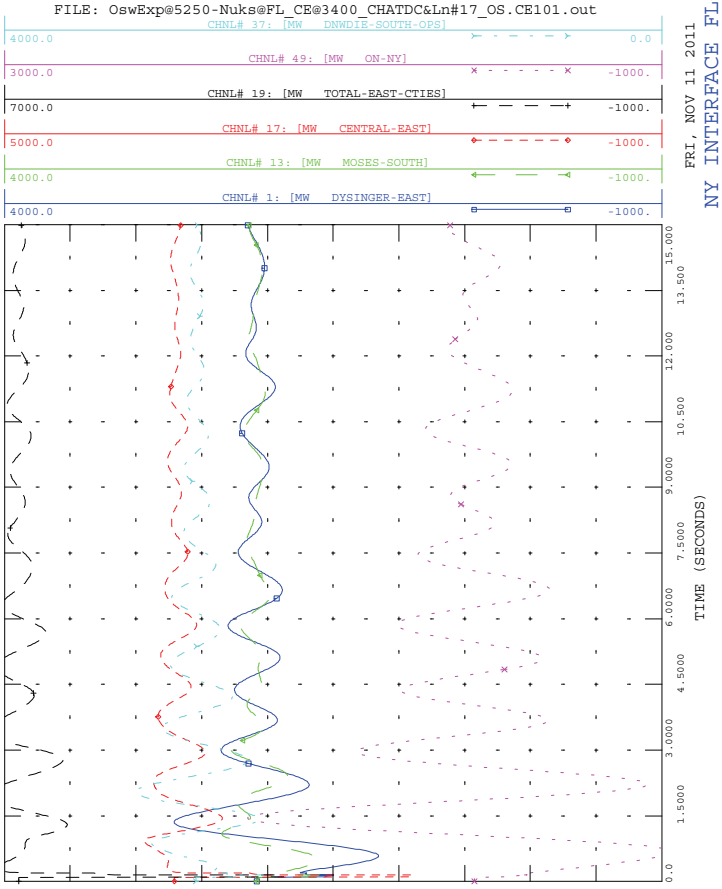
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE101.out



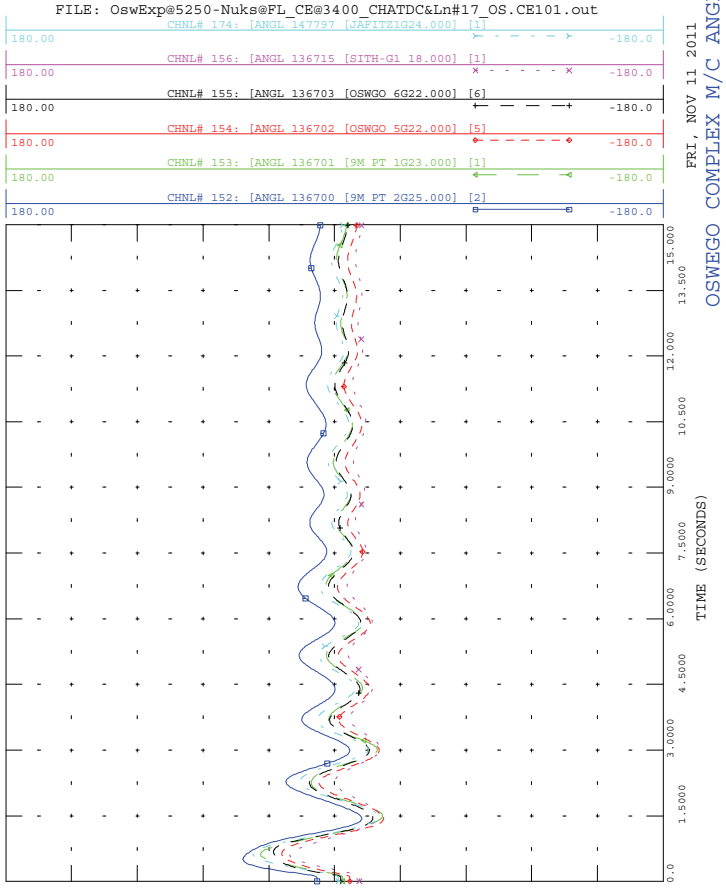
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

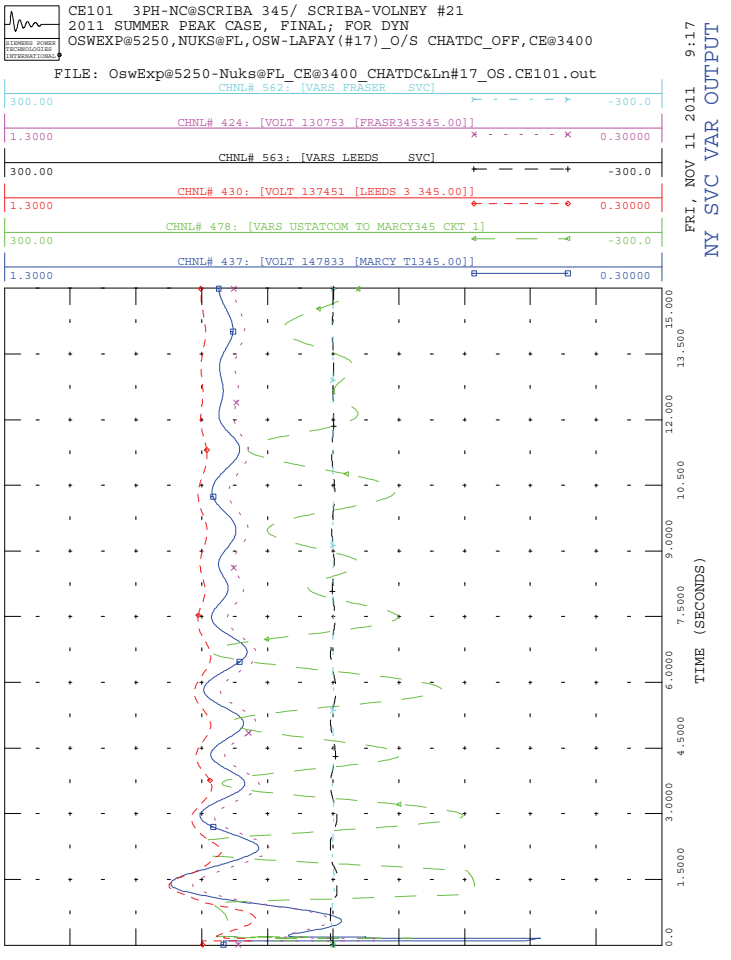
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE101.out




CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE101.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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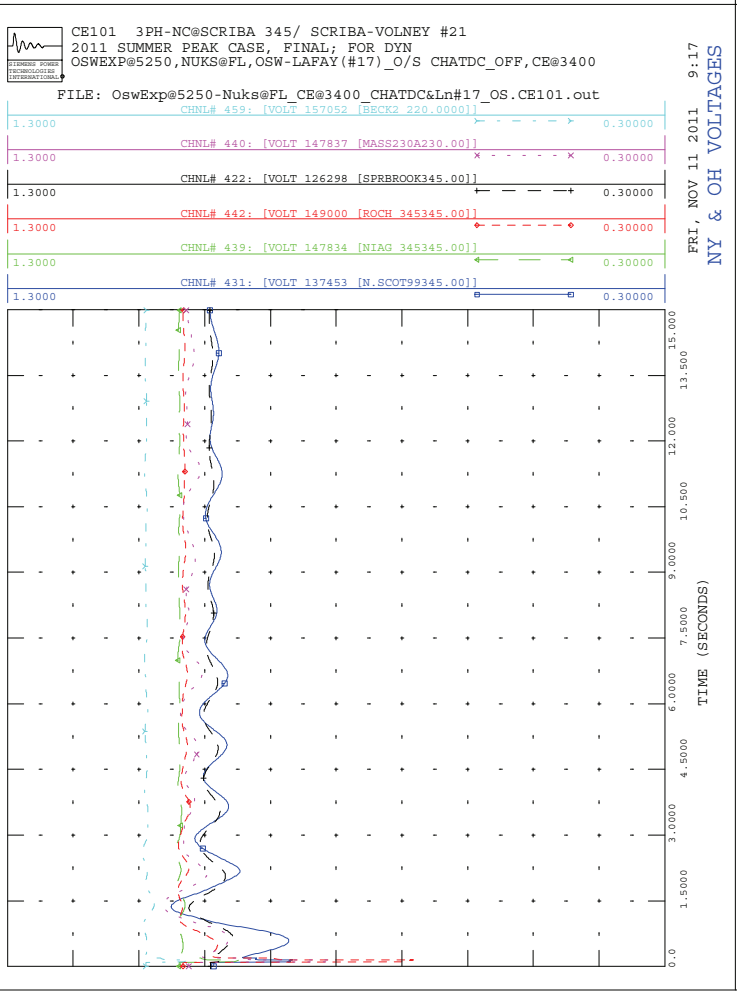
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY SVC VAR OUTPUT


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.CE101.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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0.30000
0.0
1.5000
3.0000
4.5000
6.0000
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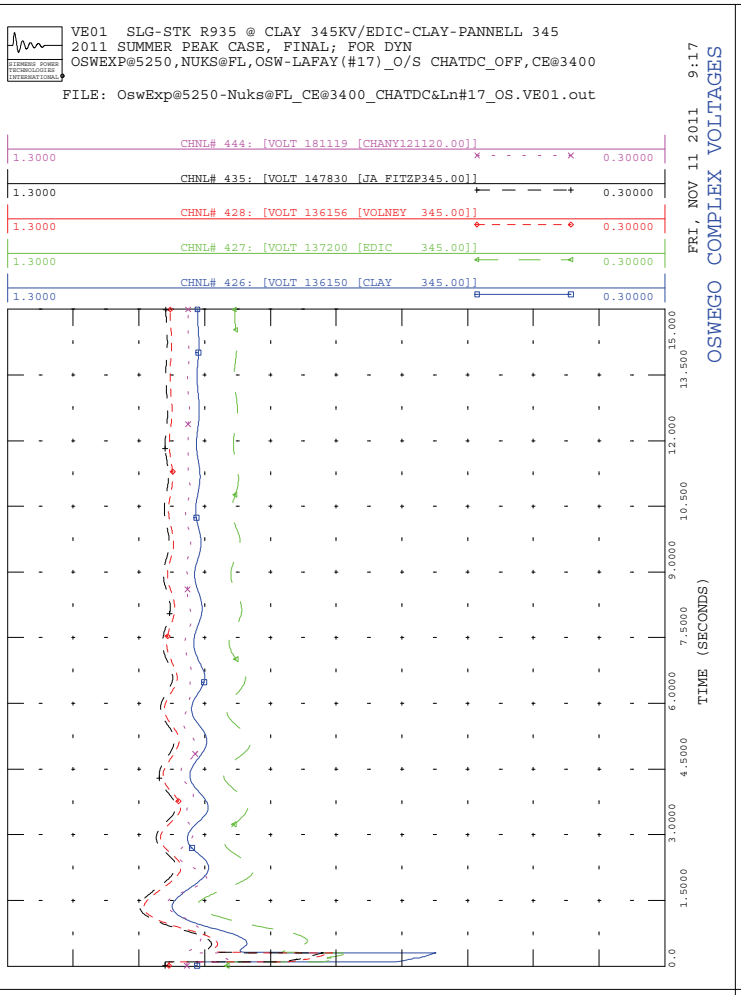
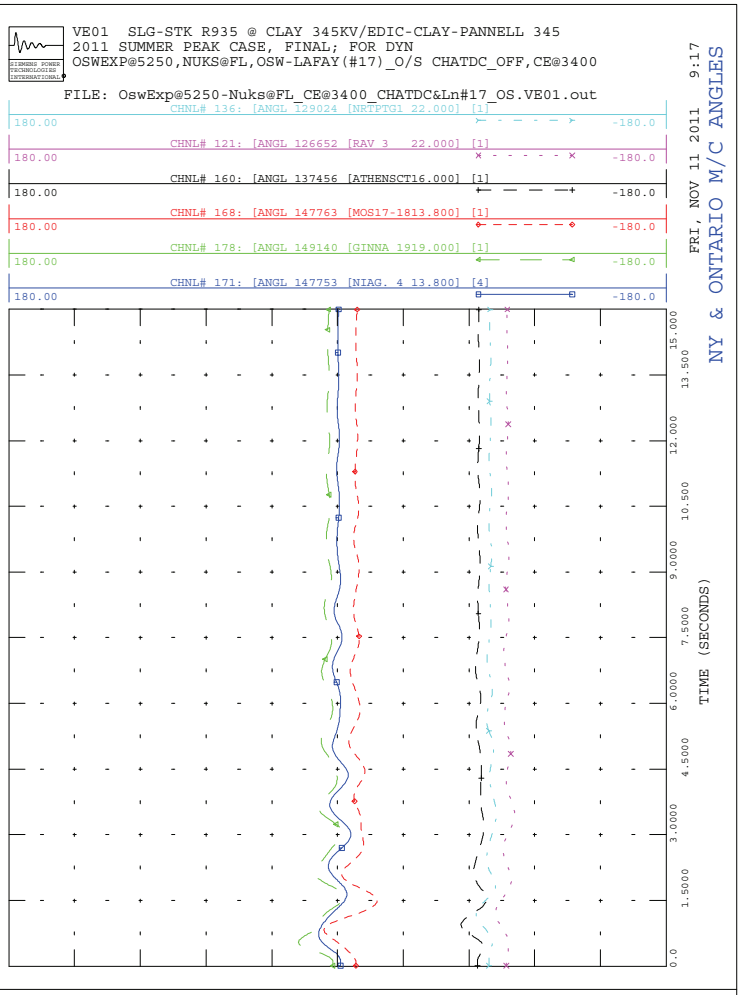
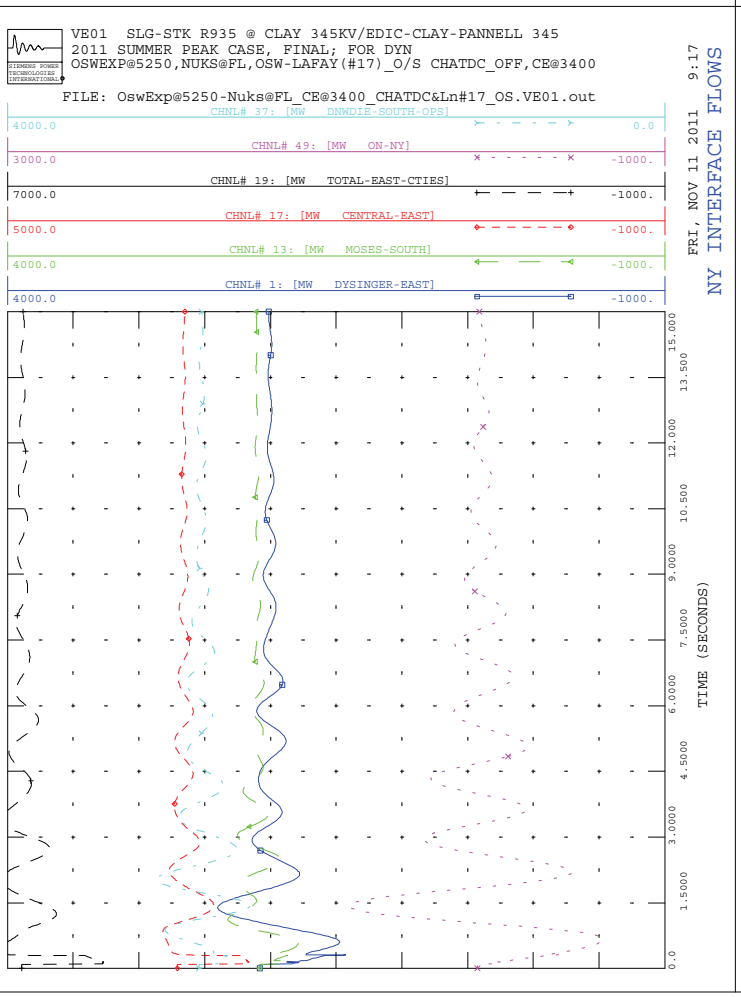
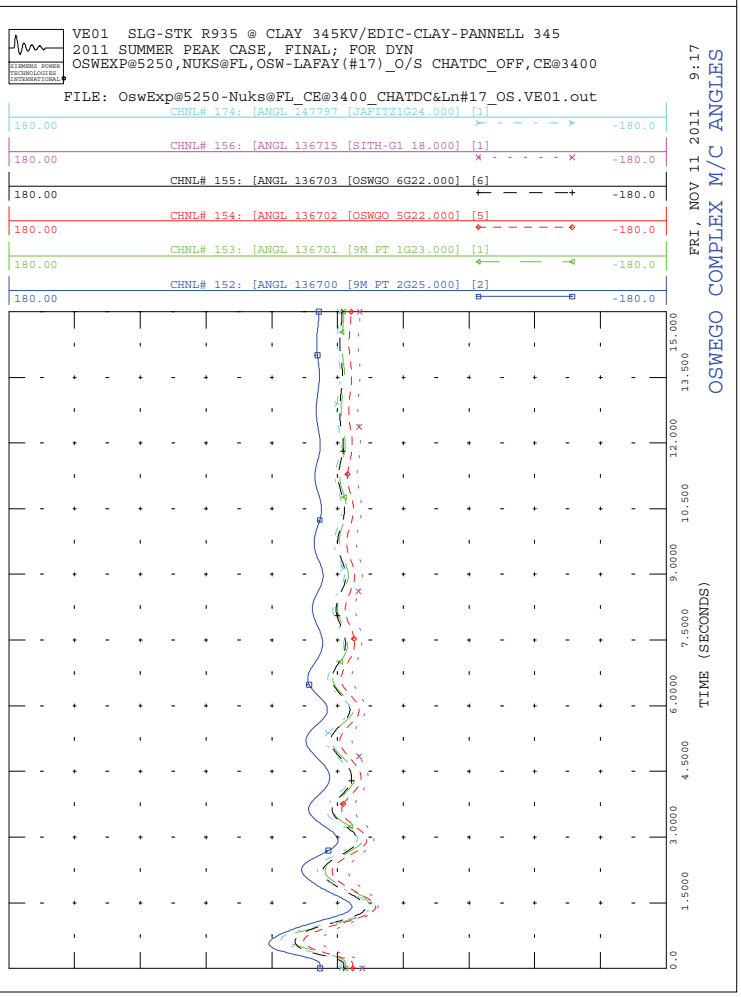
TIME (SECONDS)
FRI, NOV 11 2011 9:17
NY & OH VOLTAGES


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.VE01.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 11 2011 9:17
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)

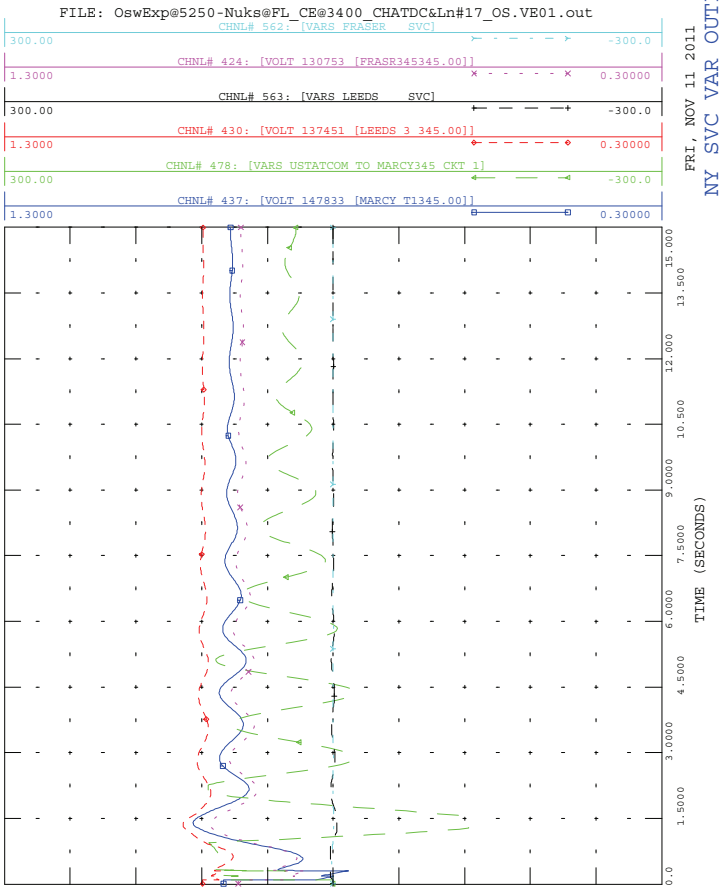

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.VE01.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
FRI, NOV 11 2011 9:17
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.VE01.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 11 2011 9:17
NY INTERFACE FLOWS
TIME (SECONDS)


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400
FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.VE01.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
FRI, NOV 11 2011 9:17
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.VE01.out

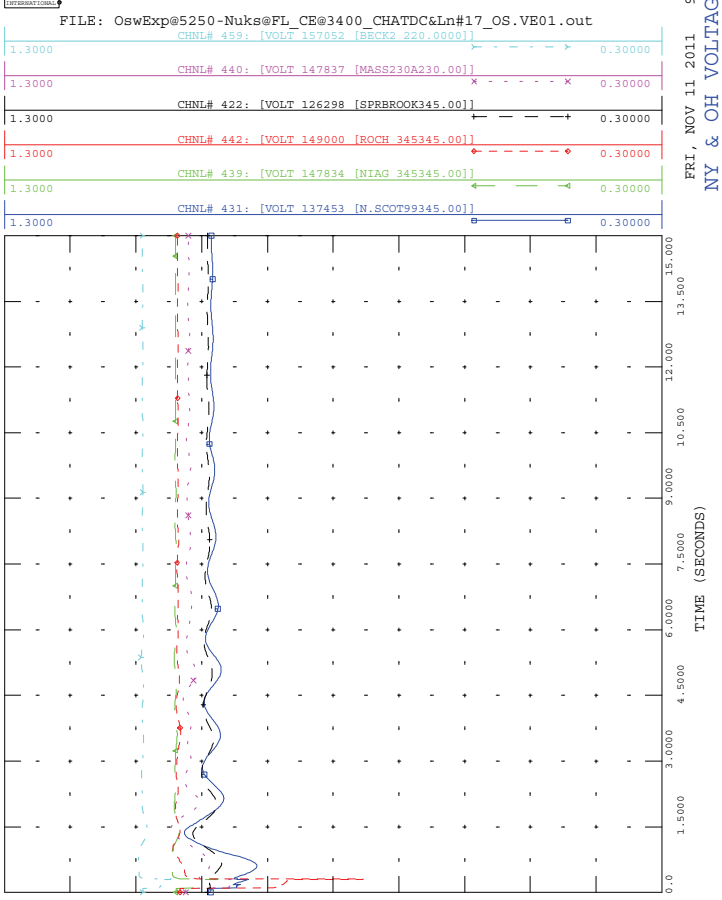


FRI, NOV 11 2011 9:17

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,OSW-LAFAY(#17)_O/S CHATDC_OFF,CE@3400

FILE: OswExp@5250-Nuks@FL_CE@3400_CHATDC&Ln#17_OS.VE01.out



FRI, NOV 11 2011 9:17

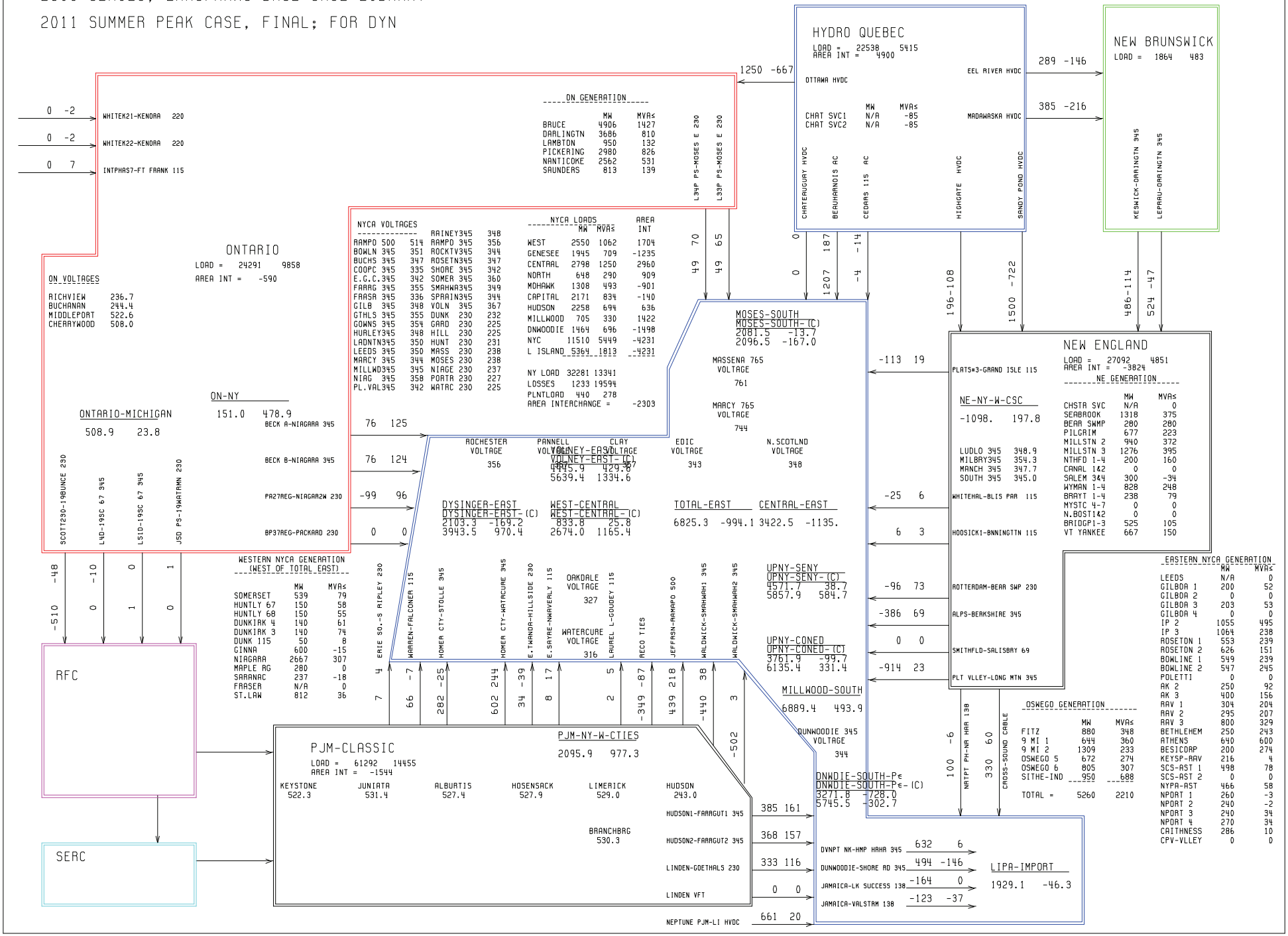
NY & OH VOLTAGES

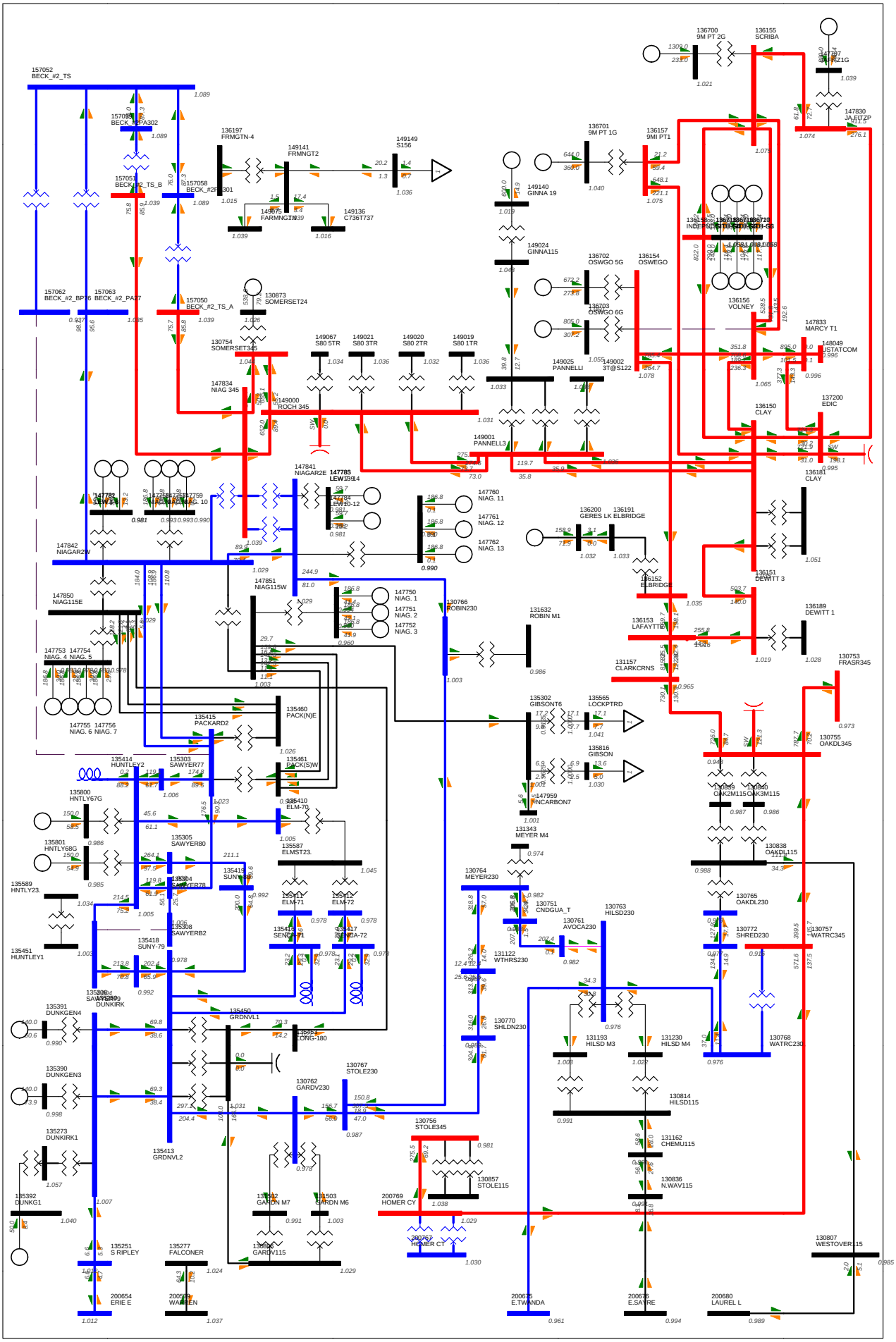
APPENDIX I: Oswego Export Limit – Oswego - Volney (11) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
MON, NOV 14 2011 8:40

Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

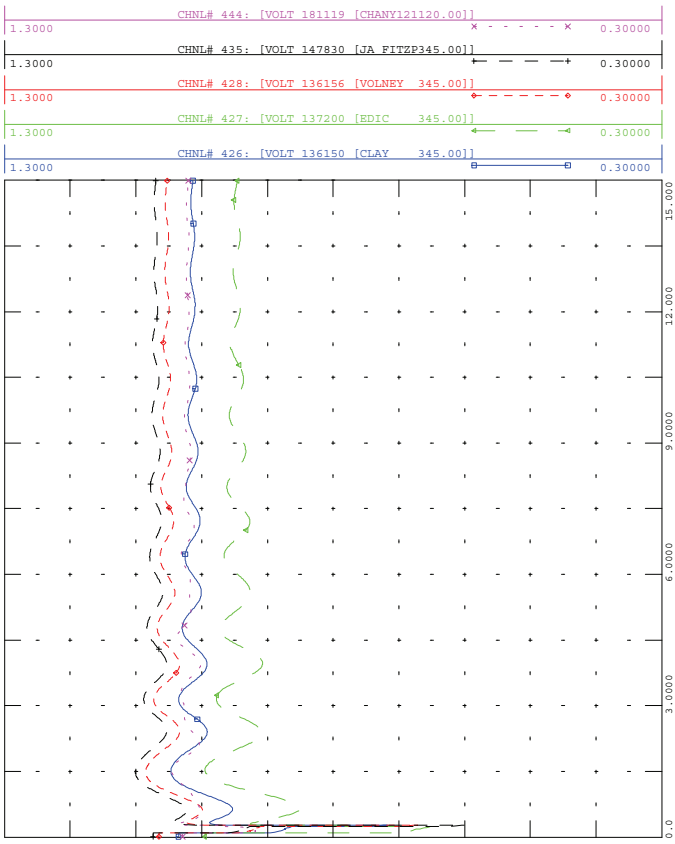
WESTERN NYISO

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE03.out

MON, NOV 14 2011 8:28

OSWEGO COMPLEX VOLTAGES

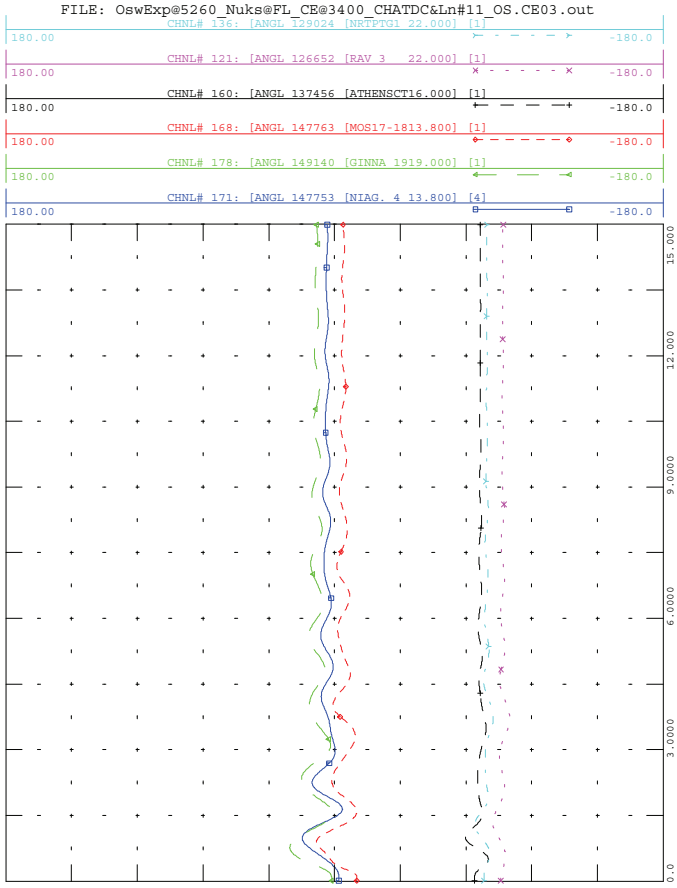


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE03.out

MON, NOV 14 2011 8:28

NY & ONTARIO M/C ANGLES

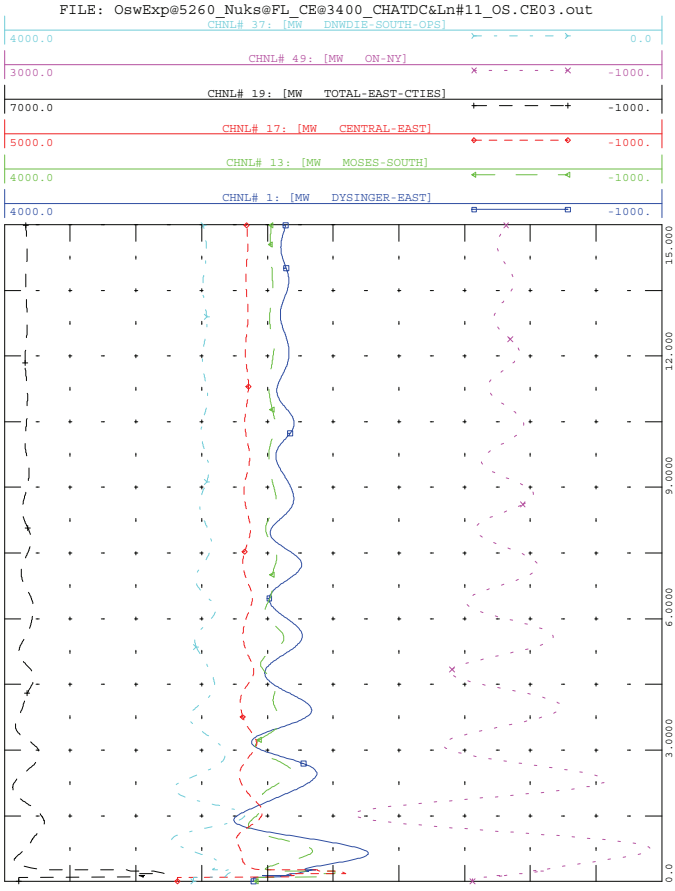


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE03.out

MON, NOV 14 2011 8:28

NY INTERFACE FLOWS

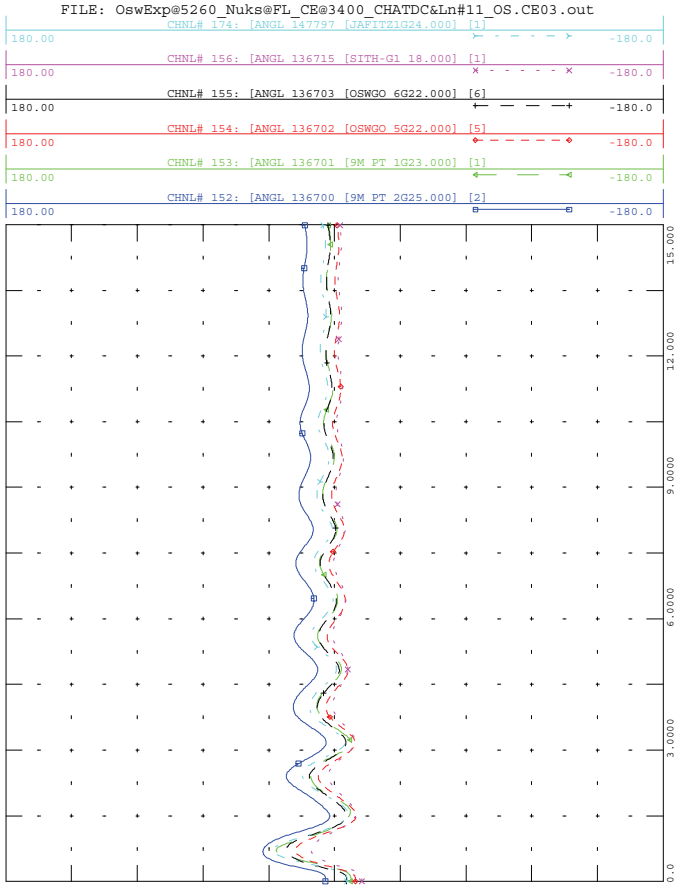


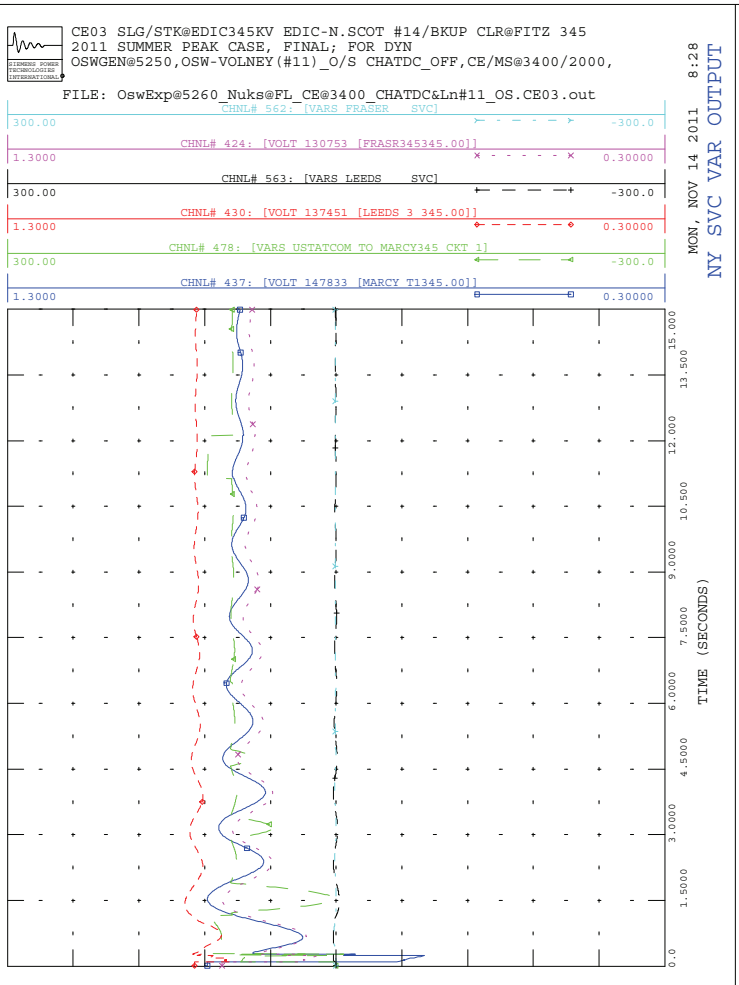
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE03.out

MON, NOV 14 2011 8:28

OSWEGO COMPLEX M/C ANGLES




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE03.out
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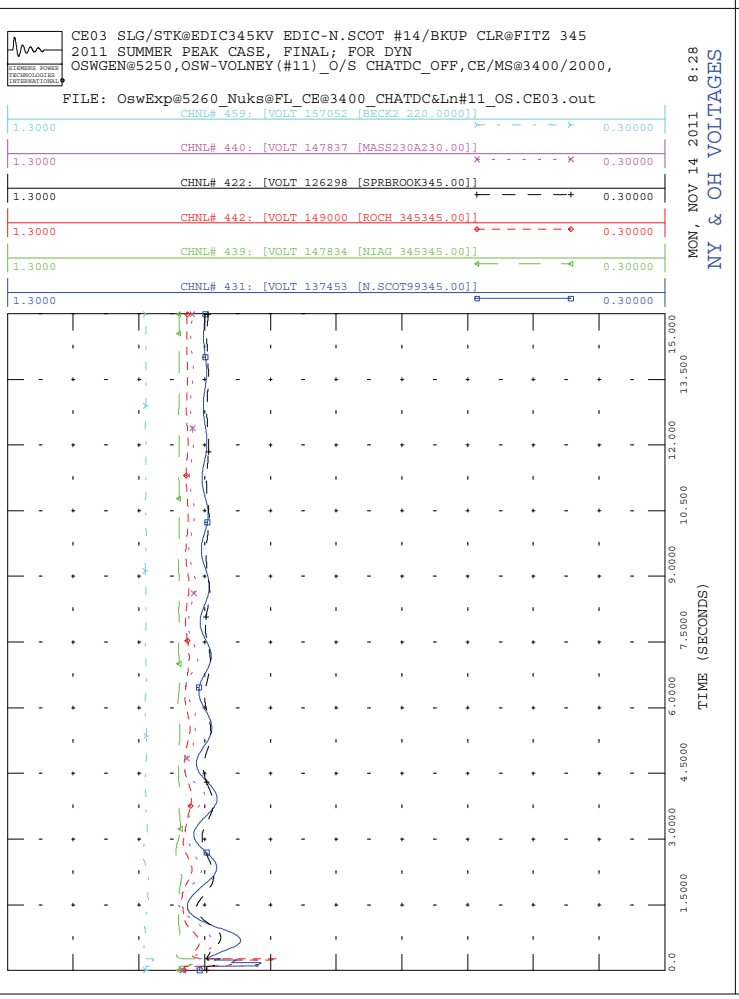
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE03.out
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1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
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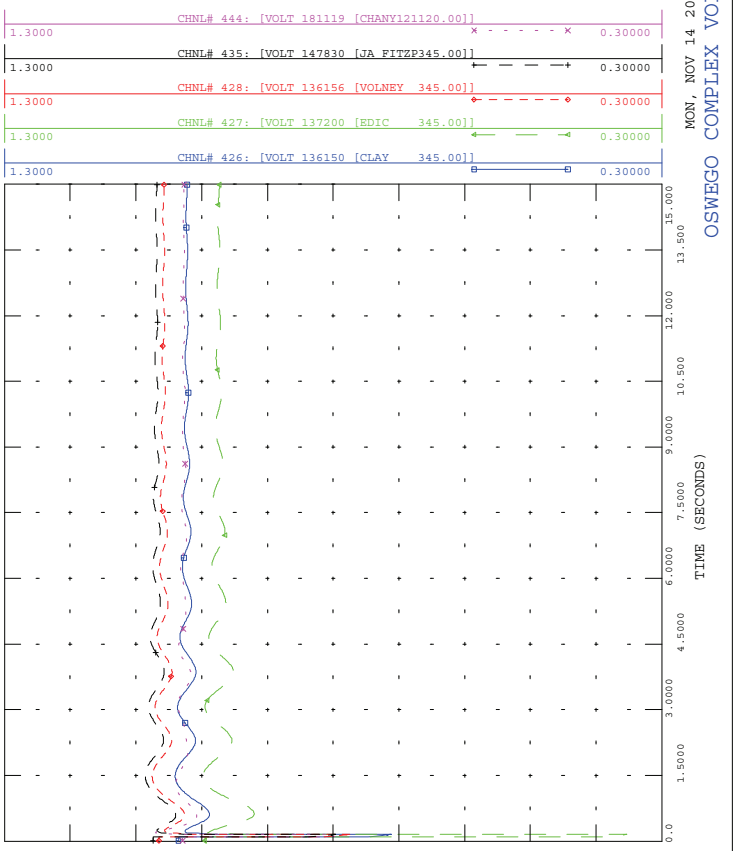
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY & OH VOLTAGES

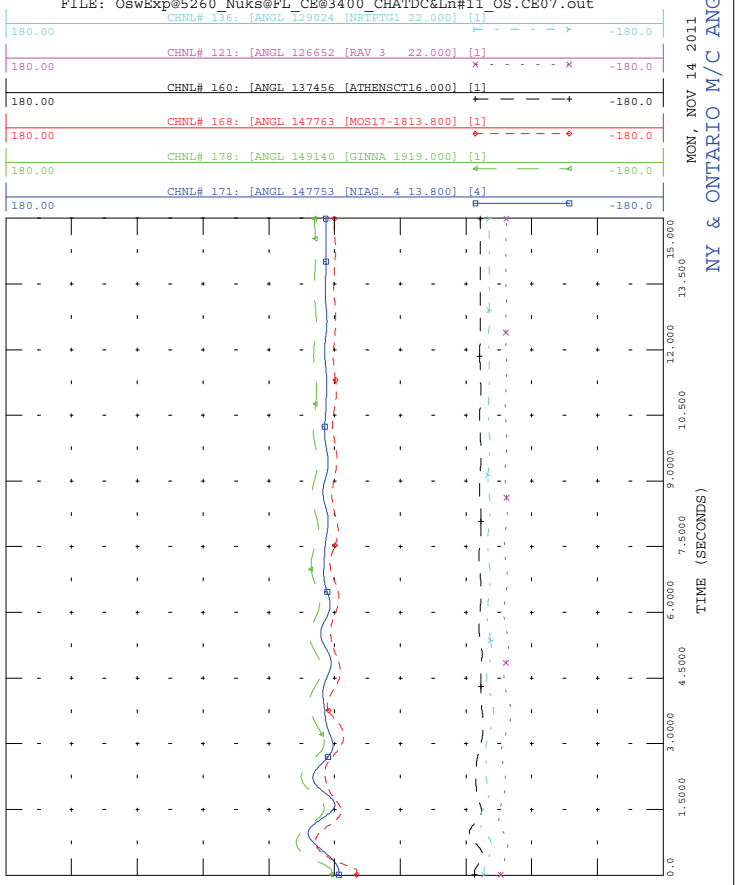
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE07.out



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE07.out



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
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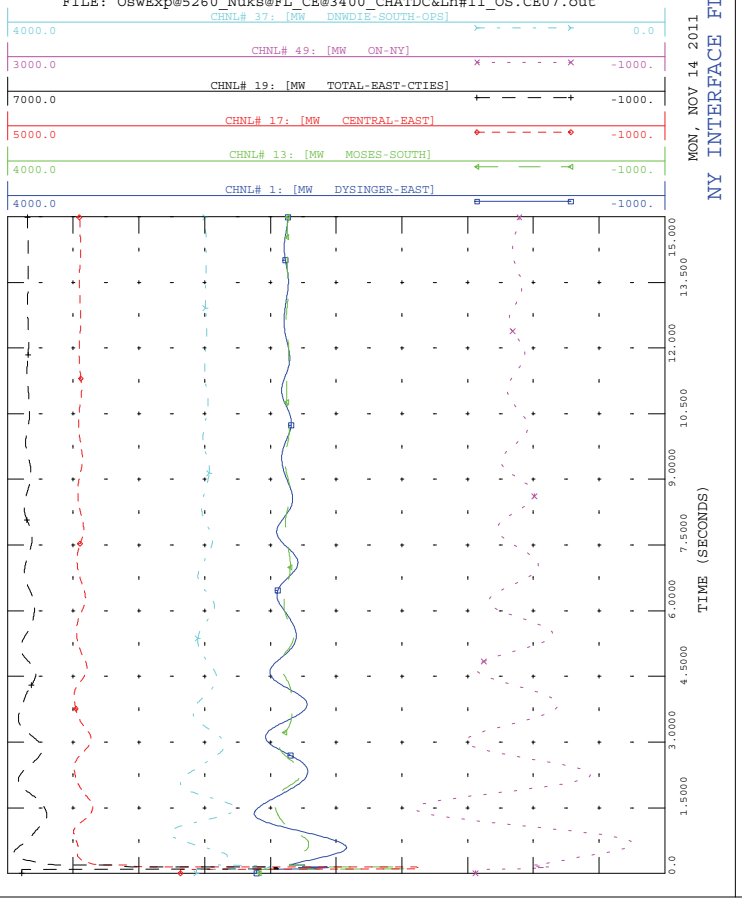

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

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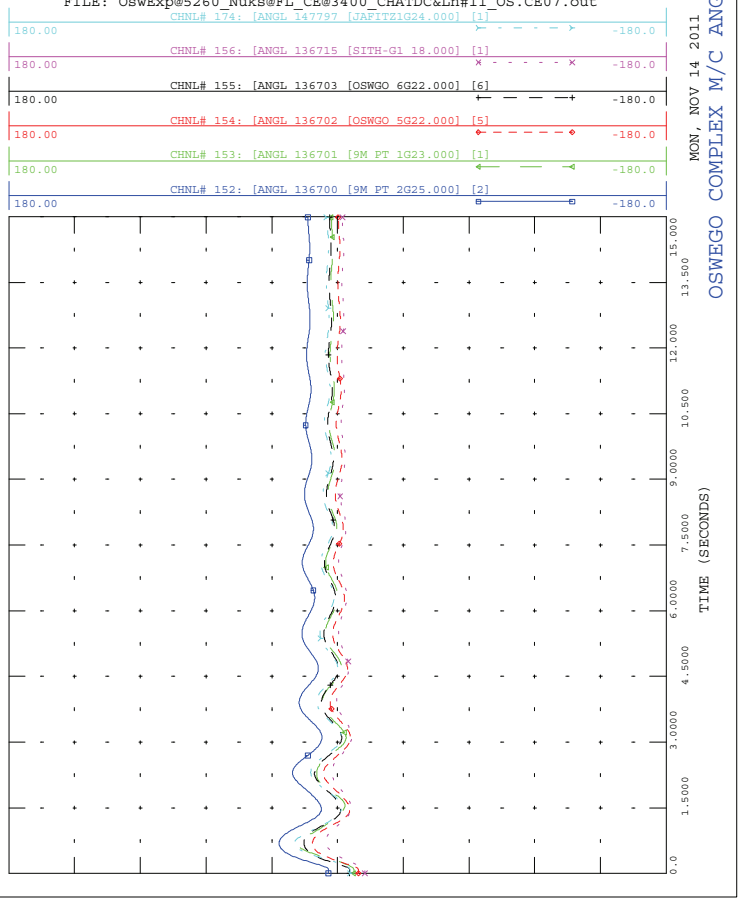

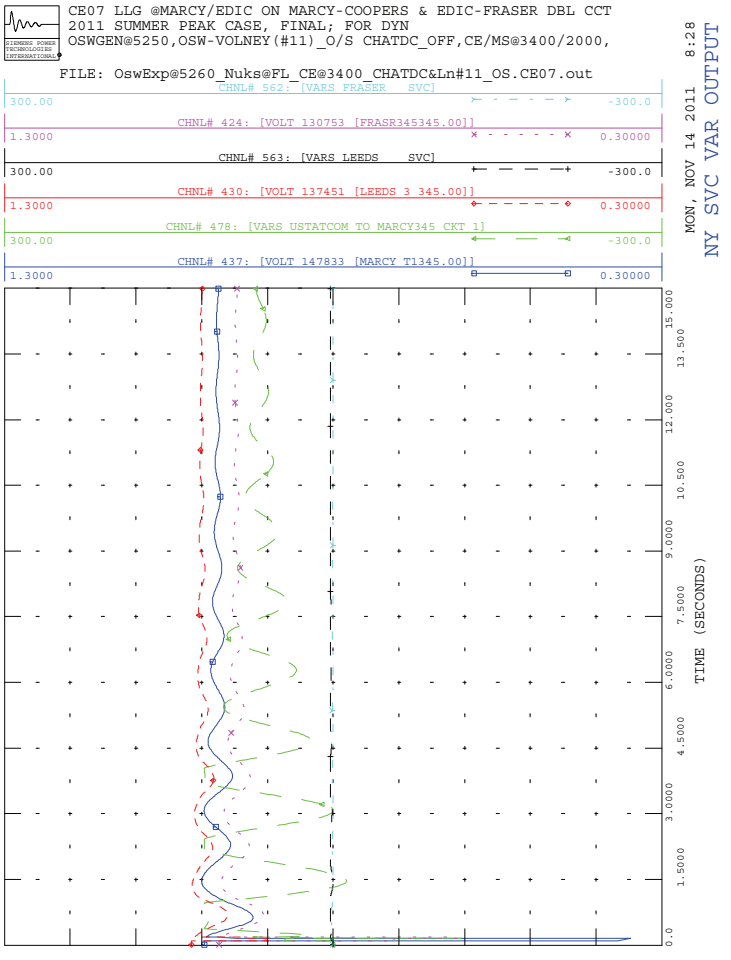
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
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CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
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10.500
12.000
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15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
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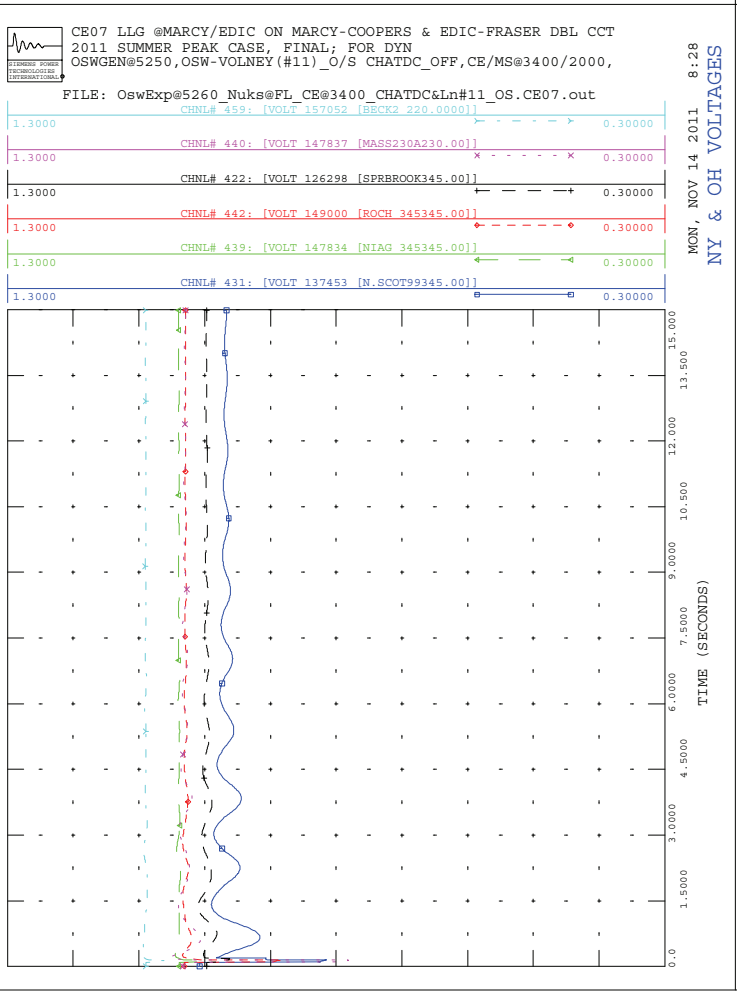
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE07.out
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1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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0.0
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3.0000
4.5000
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7.5000
9.0000
10.500
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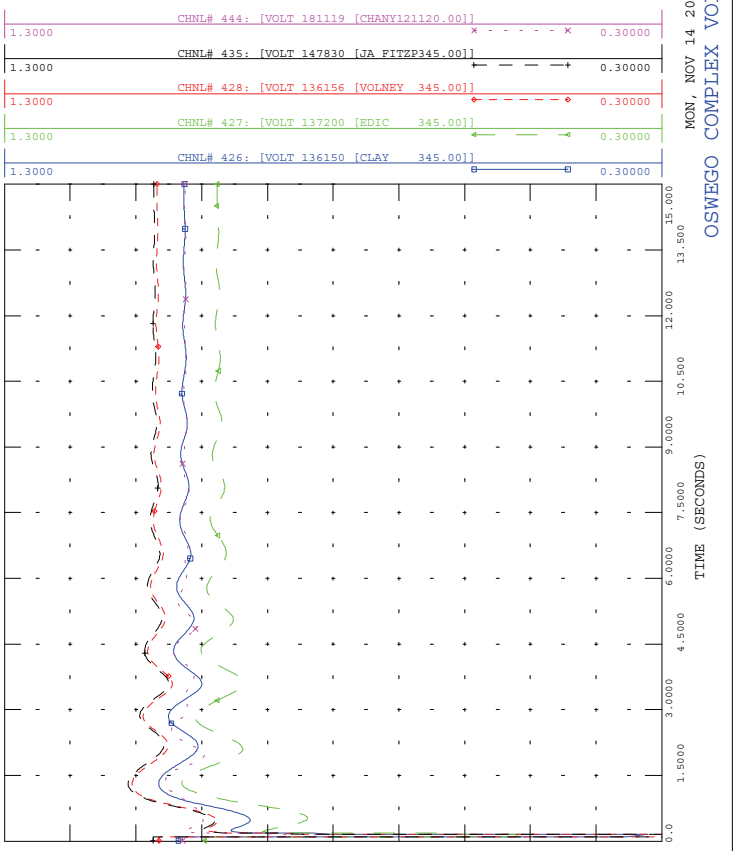
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY & OH VOLTAGES

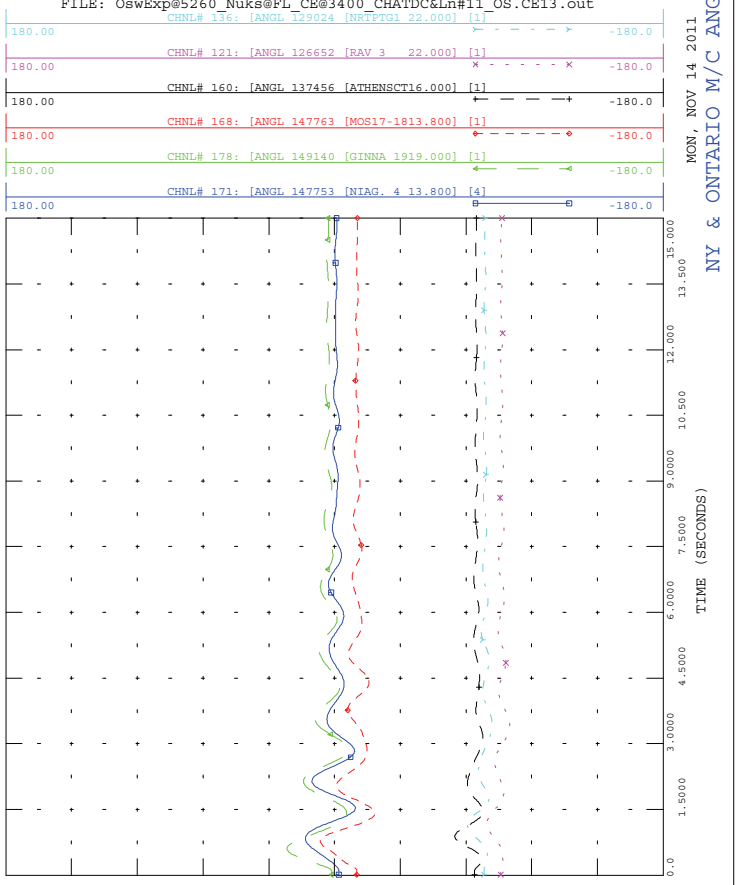
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE13.out



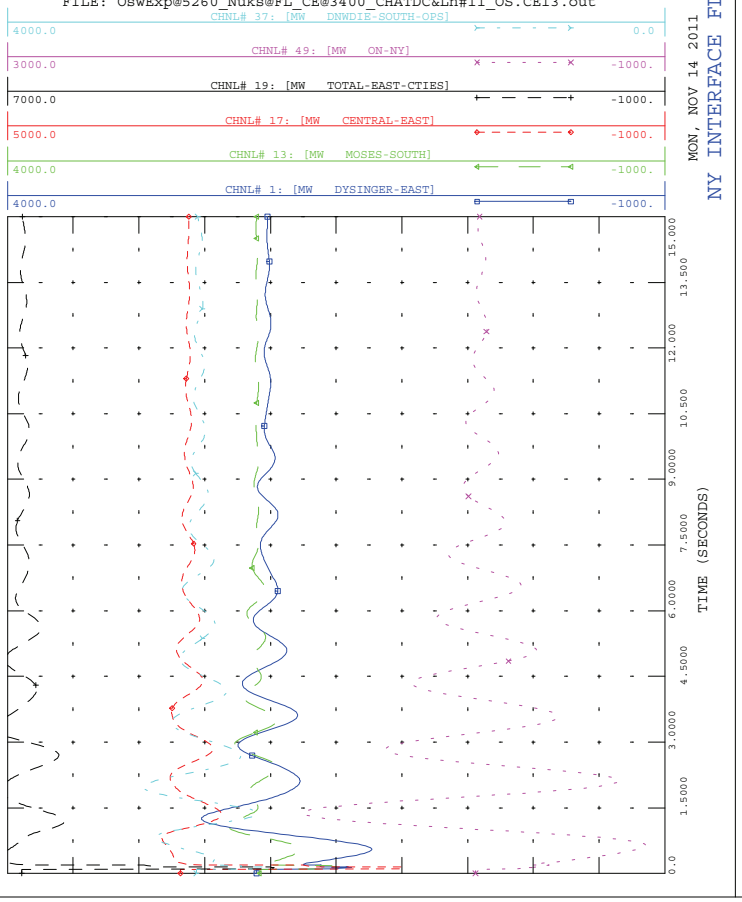
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE13.out



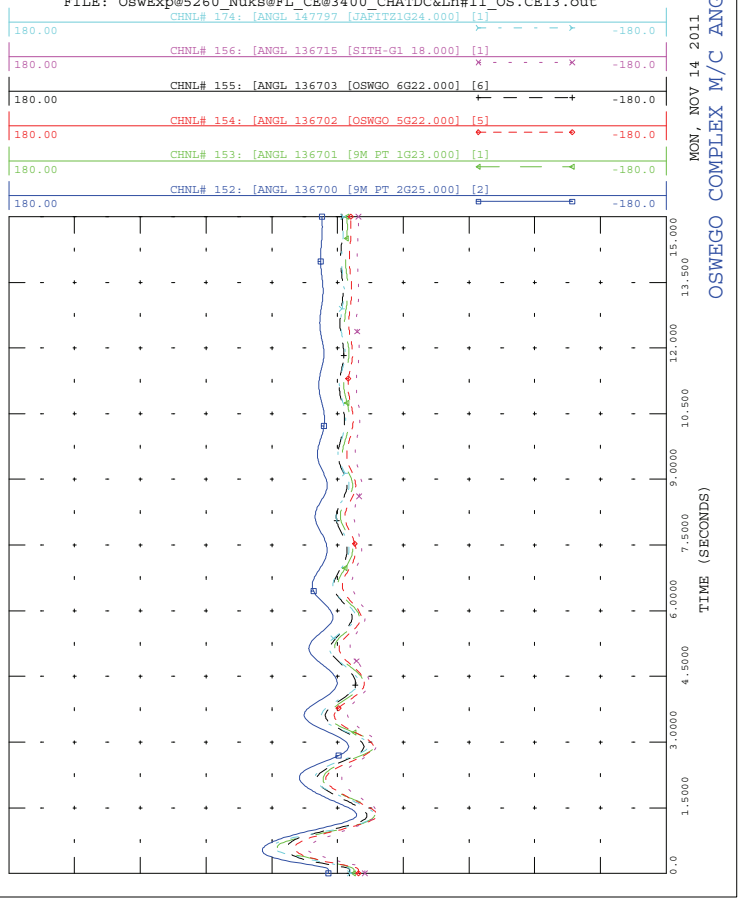
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

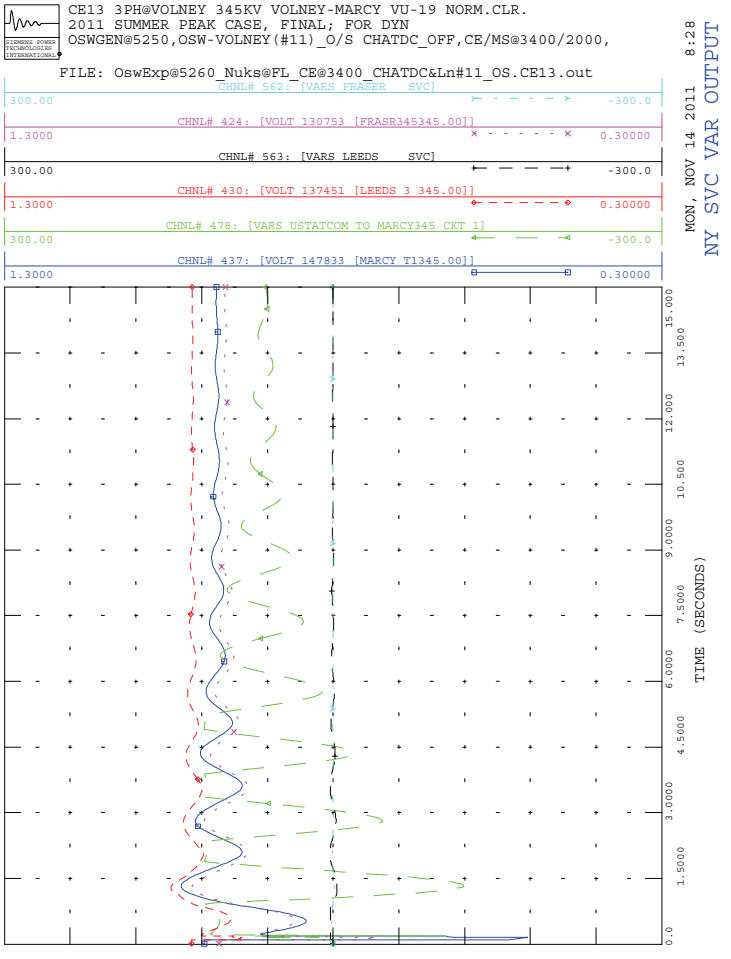
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE13.out



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE13.out




CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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10.500
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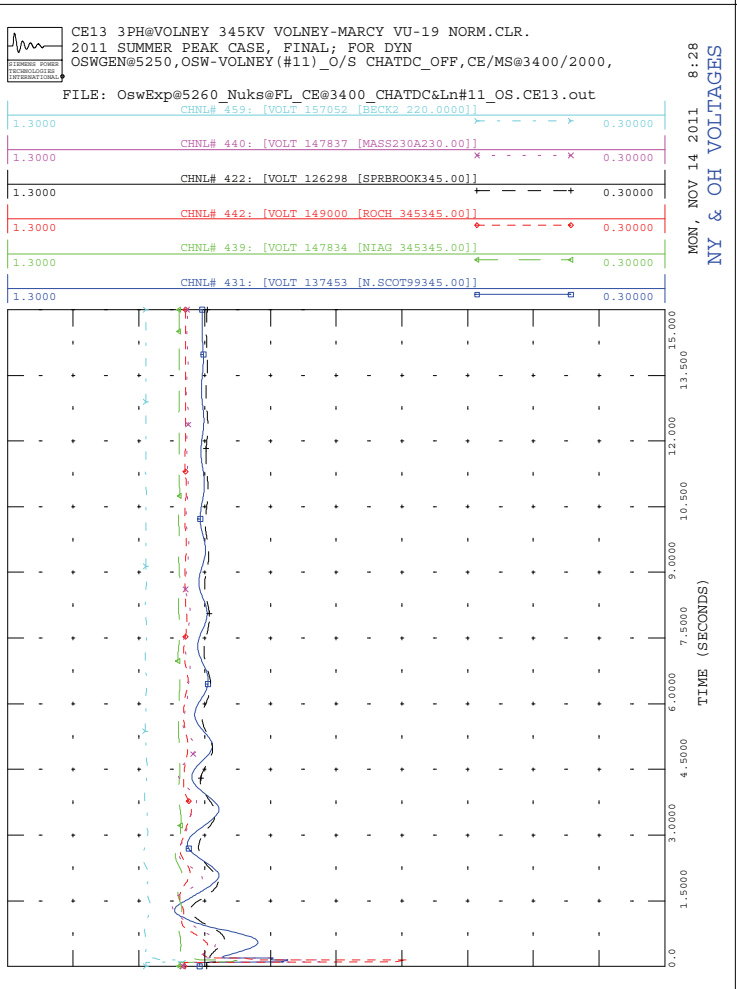
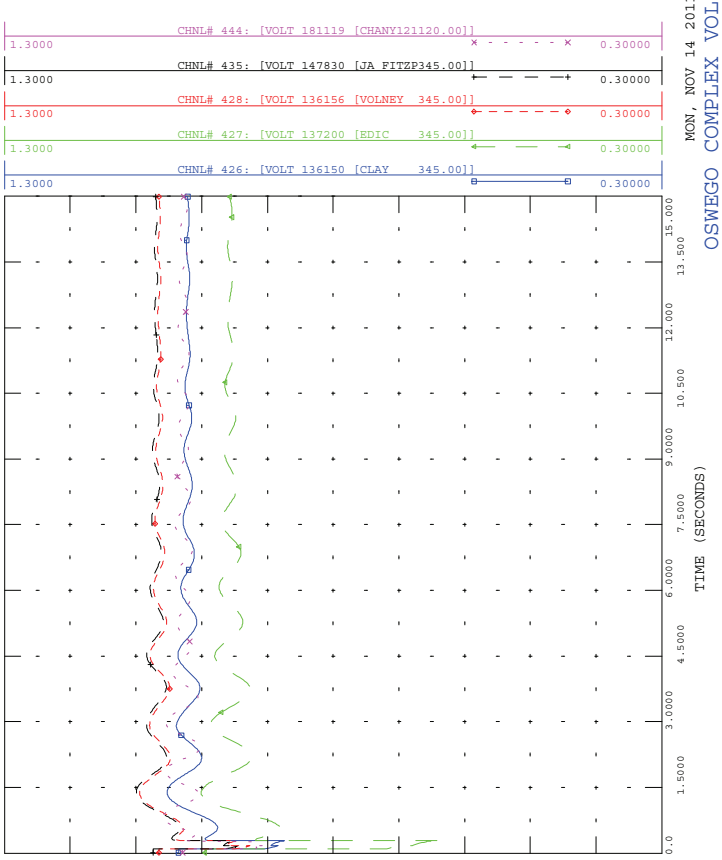
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY & OH VOLTAGES

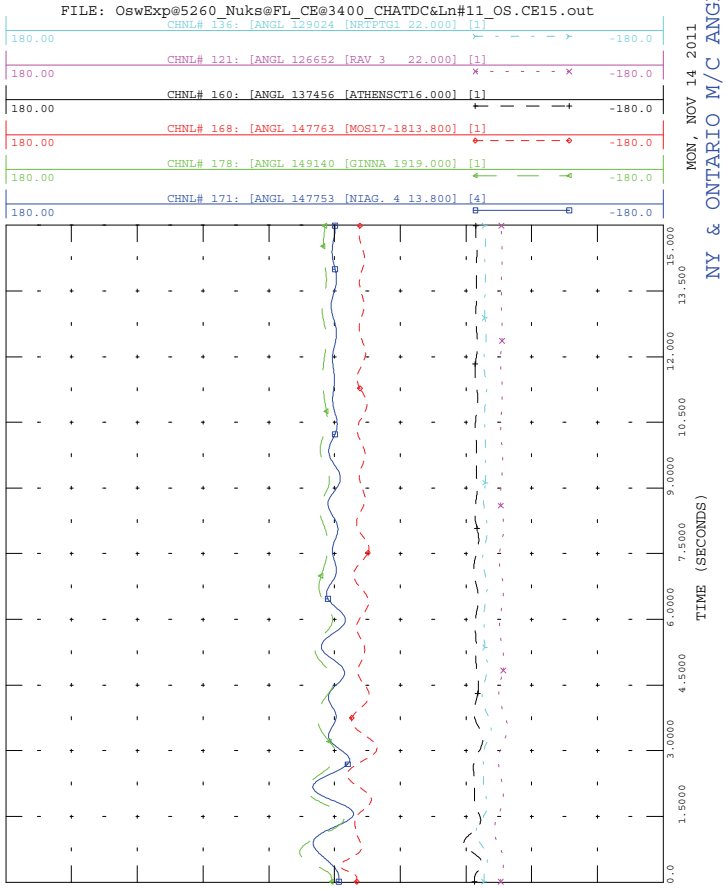
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE15.out



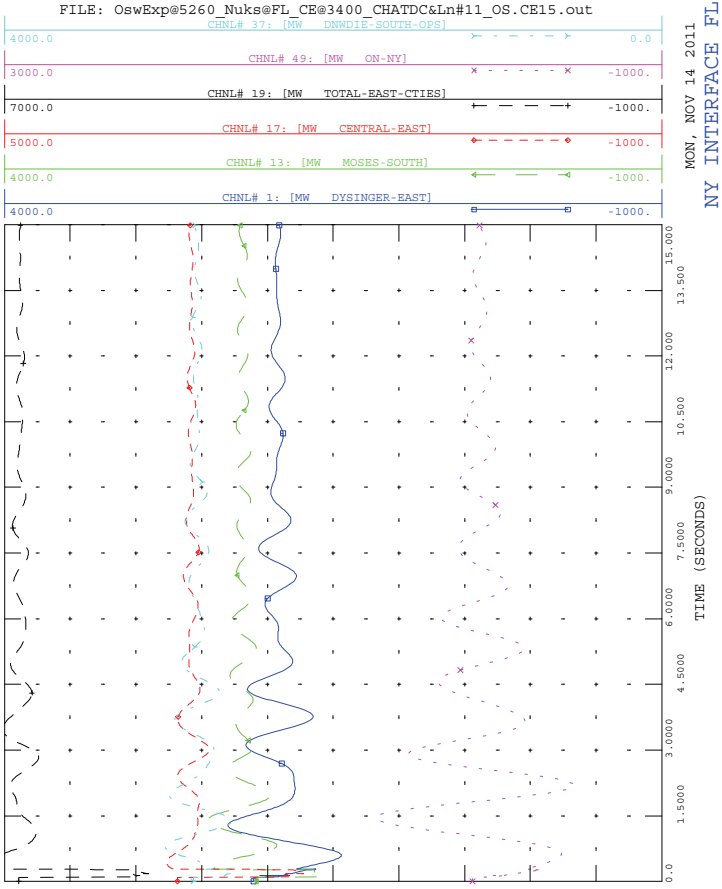
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE15.out



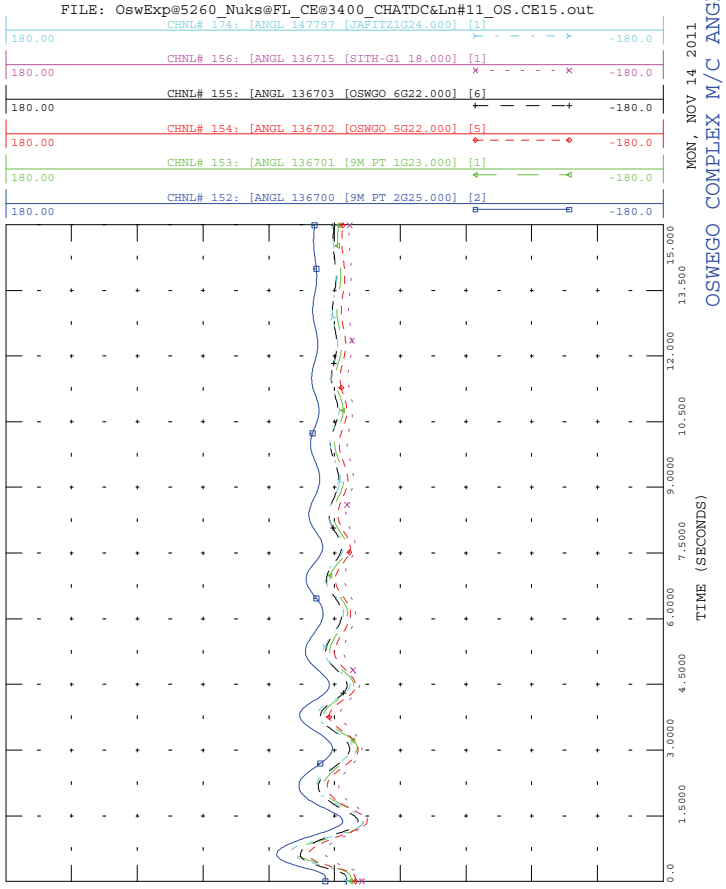
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

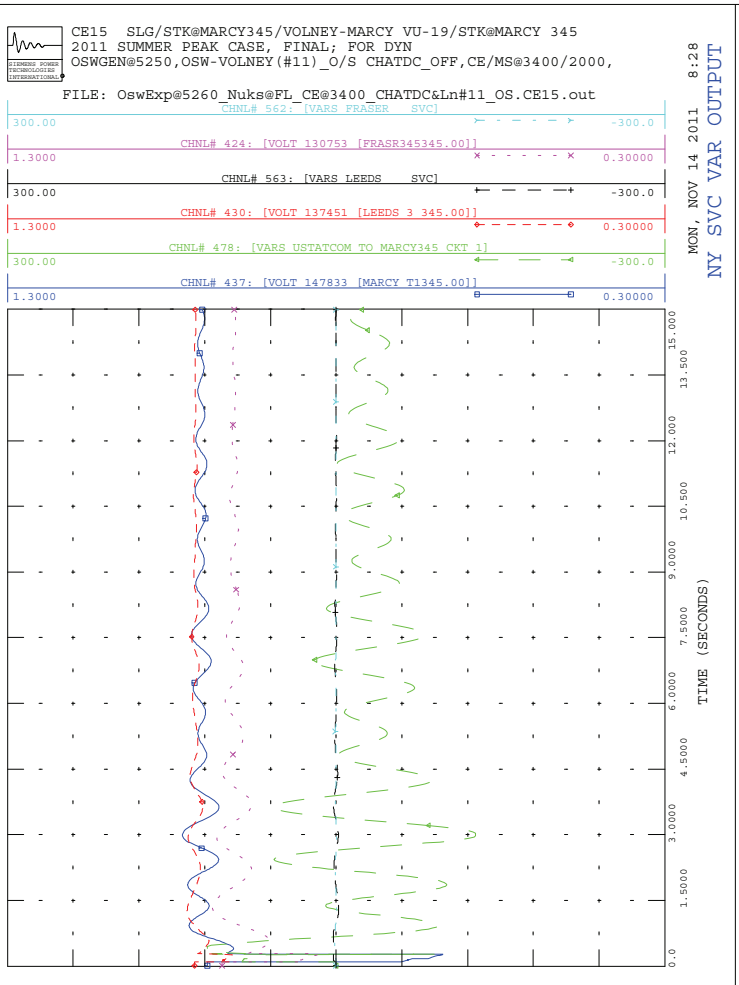
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE15.out



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE15.out




CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT
TIME (SECONDS)
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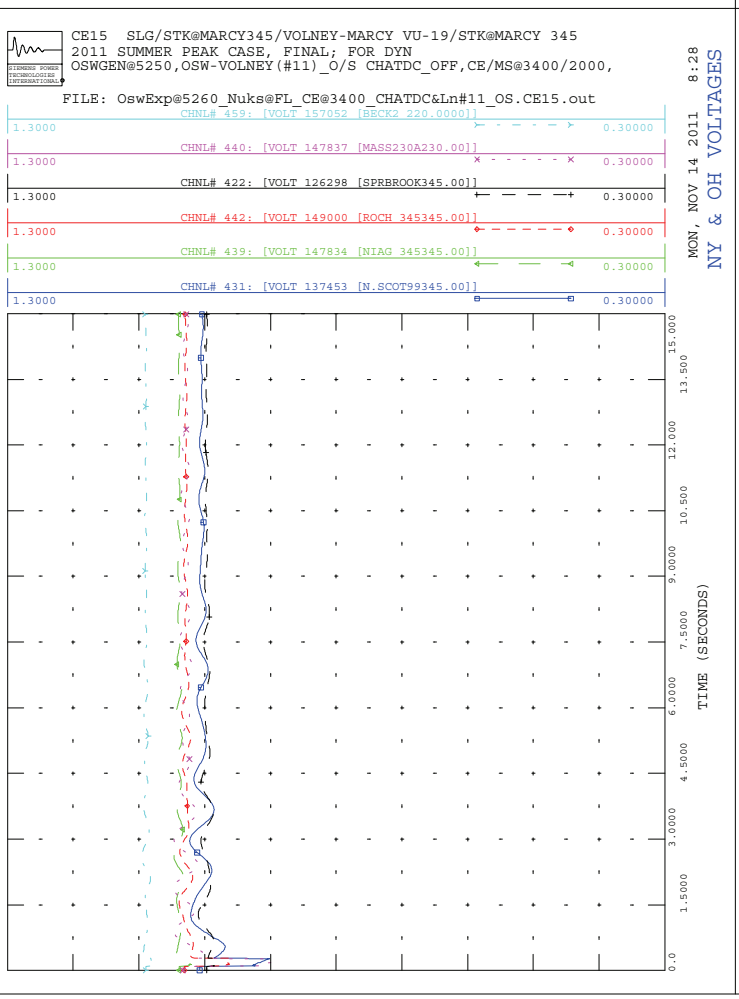
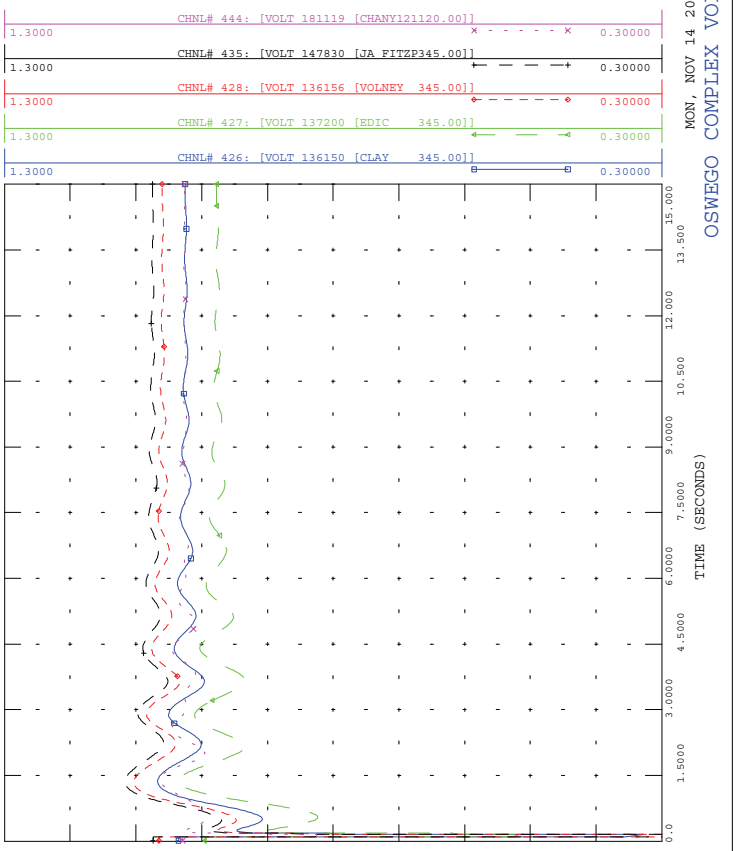

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
MON, NOV 14 2011 8:28
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

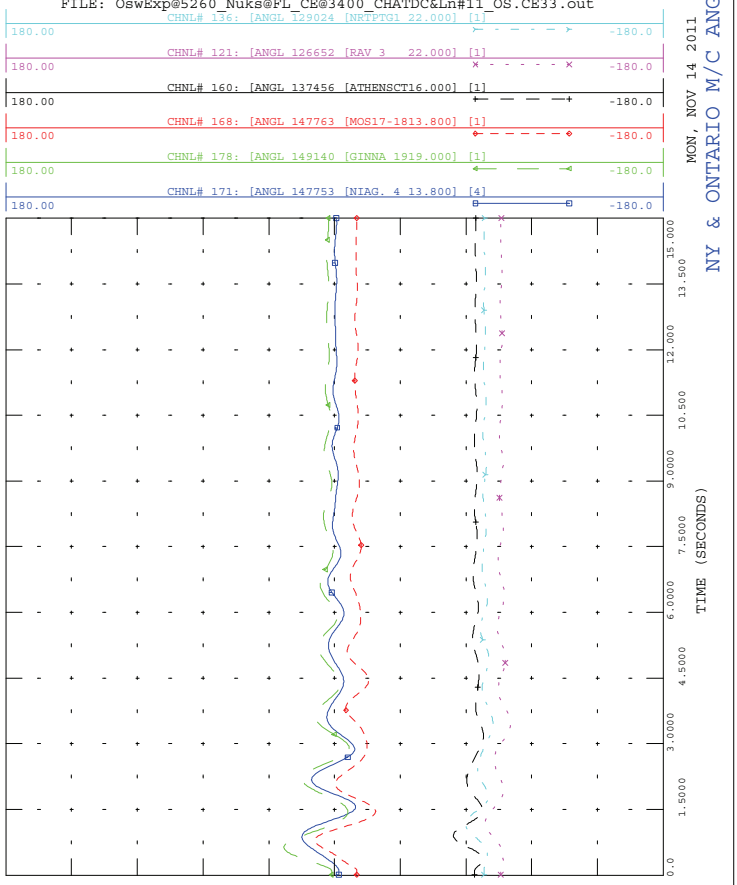
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE33.out



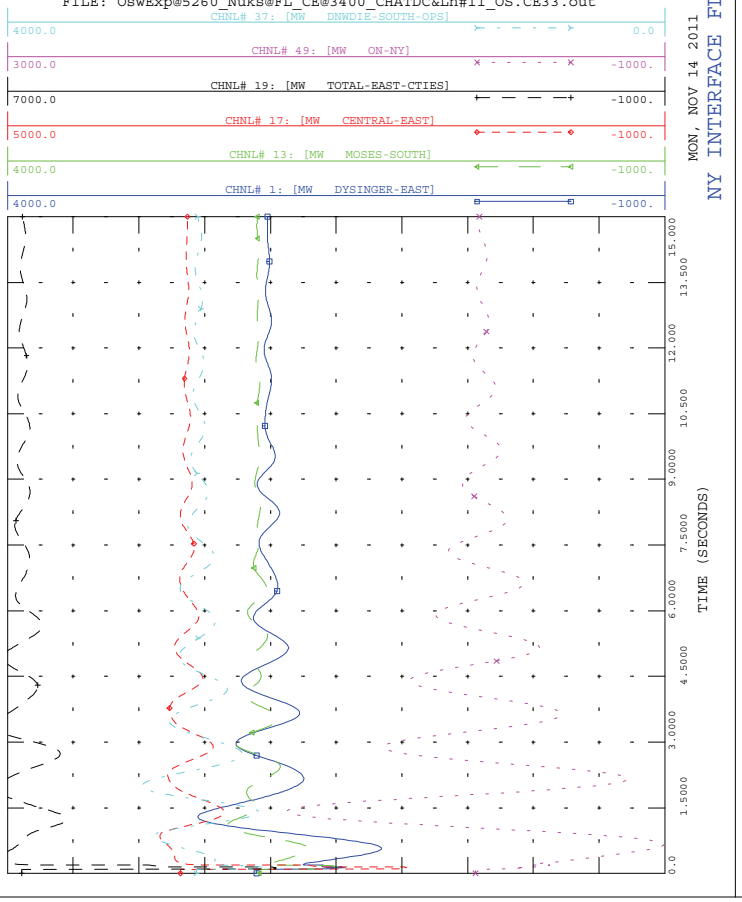
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE33.out



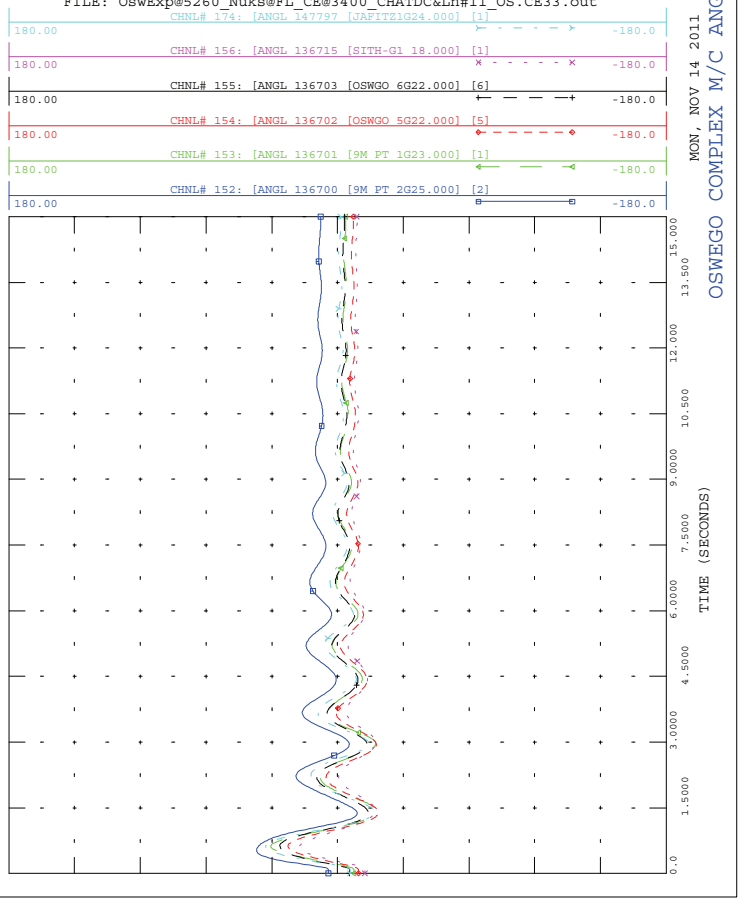
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

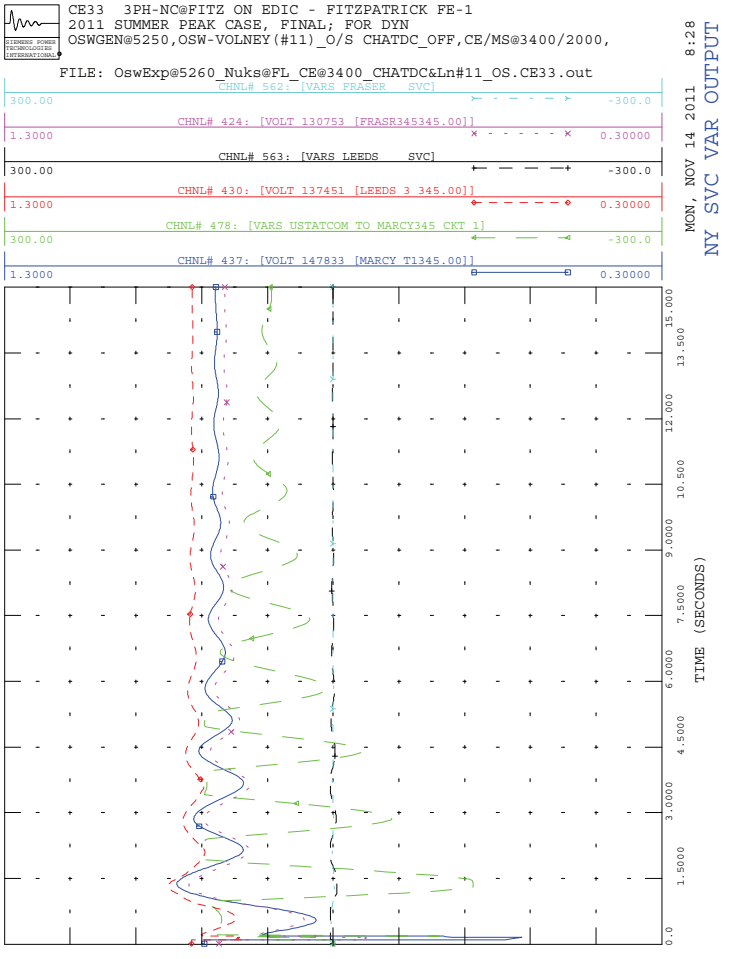
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE33.out




CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
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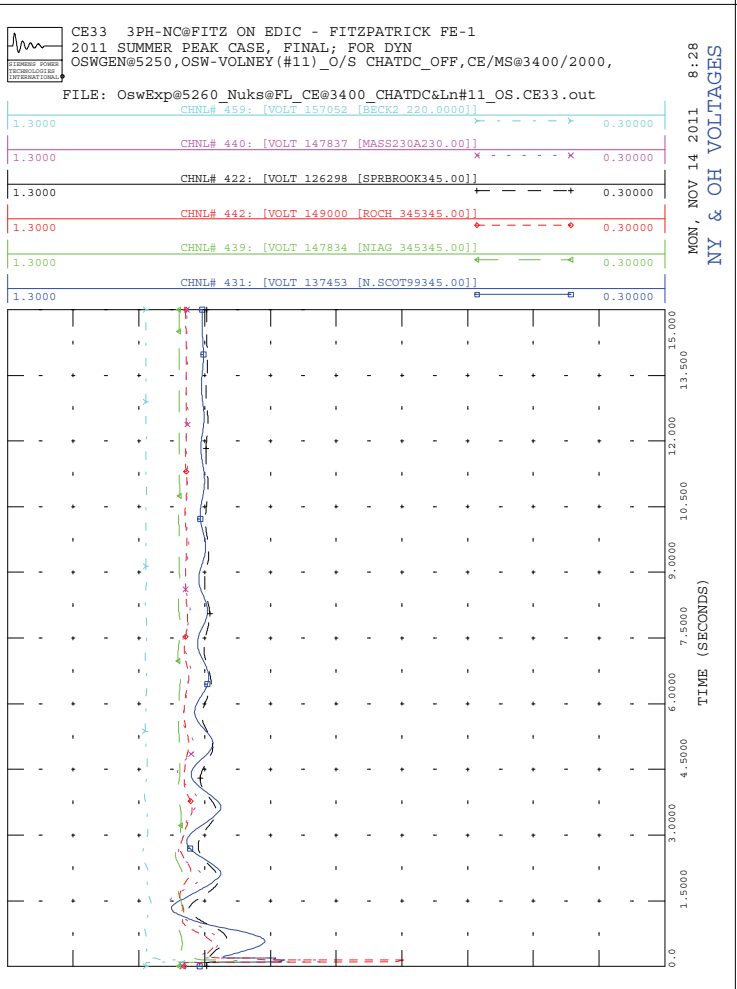
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
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0.0
1.5000
3.0000
4.5000
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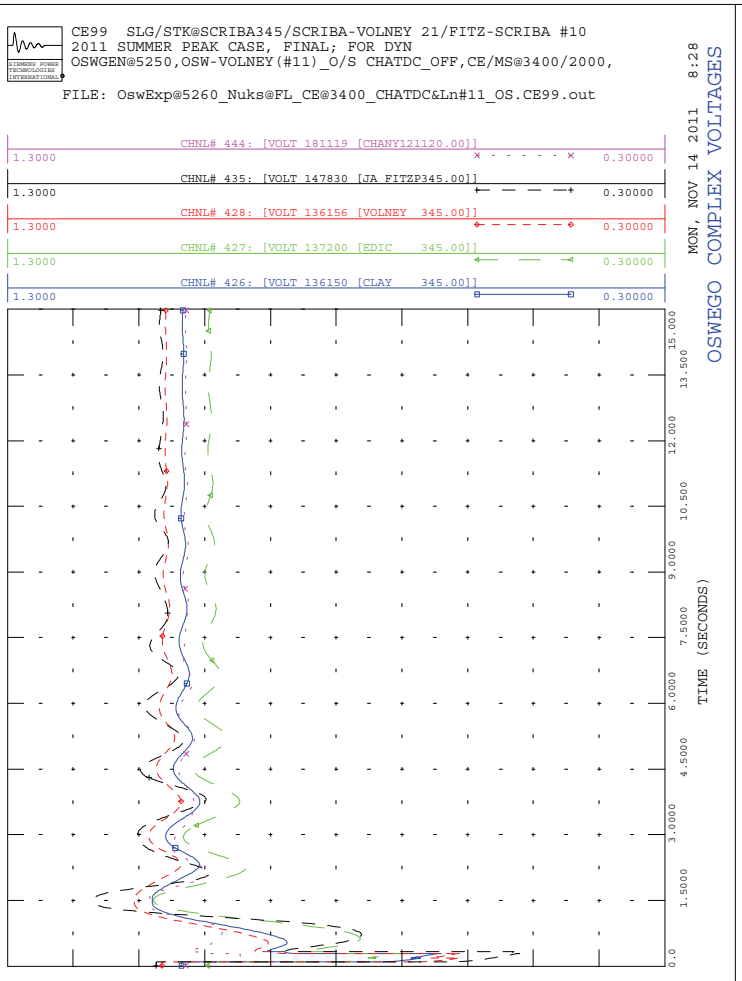
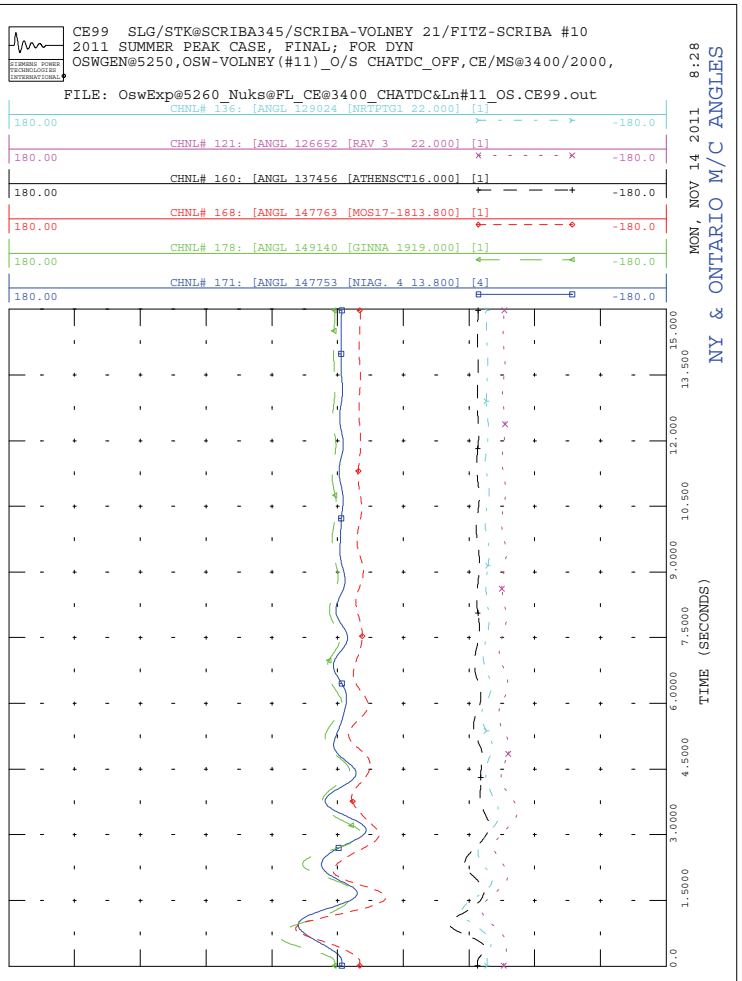
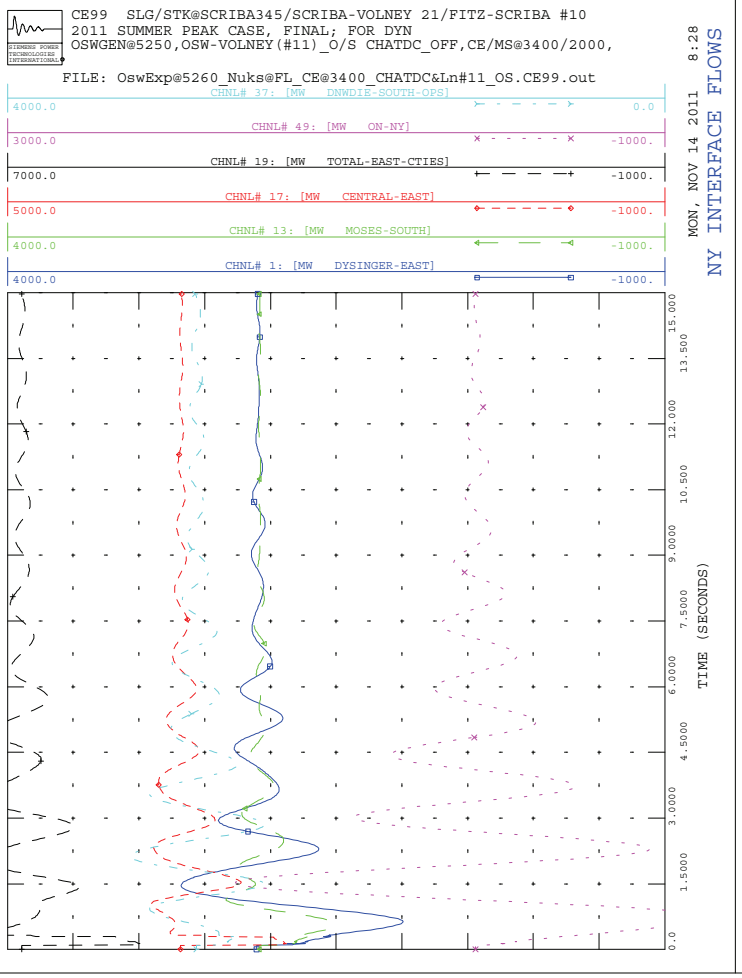
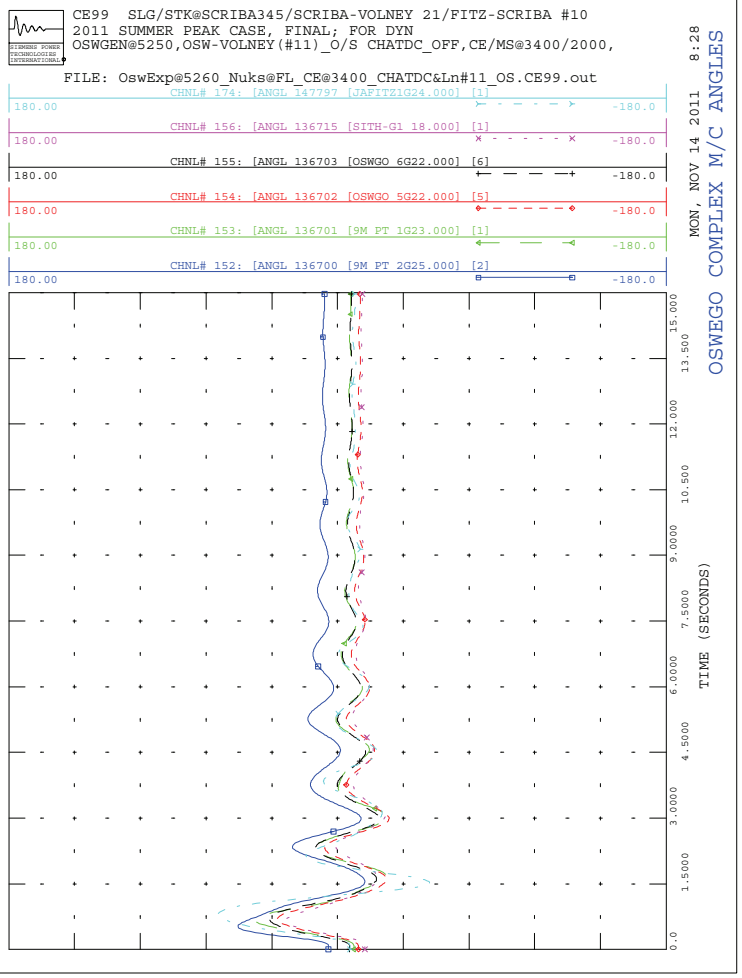
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY & OH VOLTAGES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE99.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
MON, NOV 14 2011 8:28
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE99.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
MON, NOV 14 2011 8:28
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
MON, NOV 14 2011 8:28
NY INTERFACE FLOWS
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
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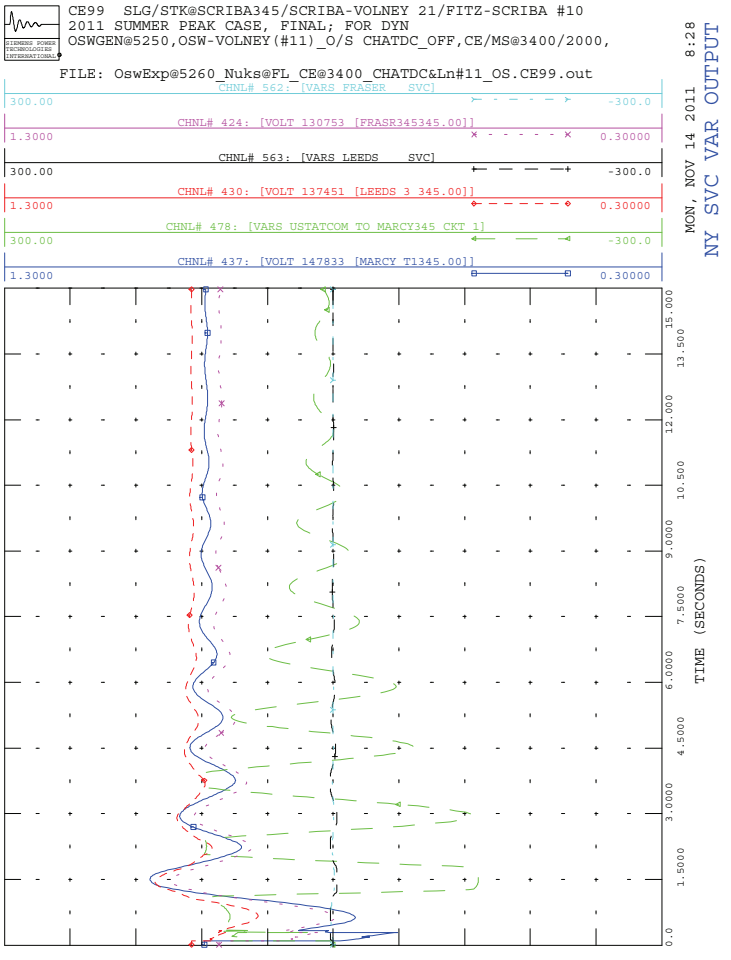
MON, NOV 14 2011 8:28
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
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0.0
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3.0000
4.5000
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7.5000
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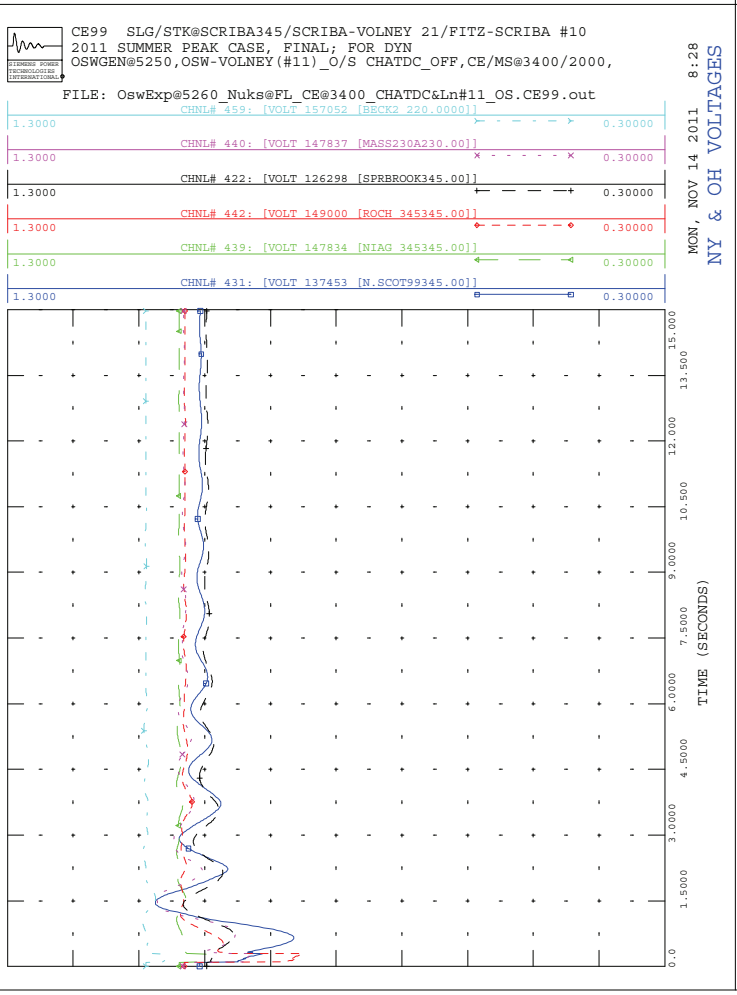
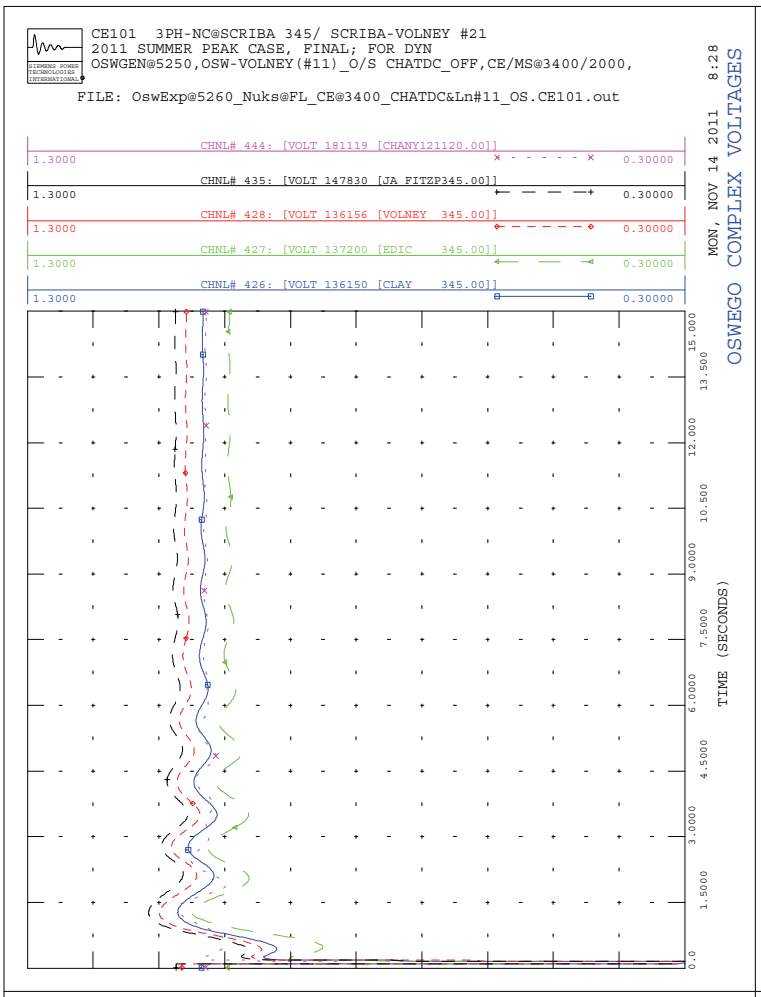
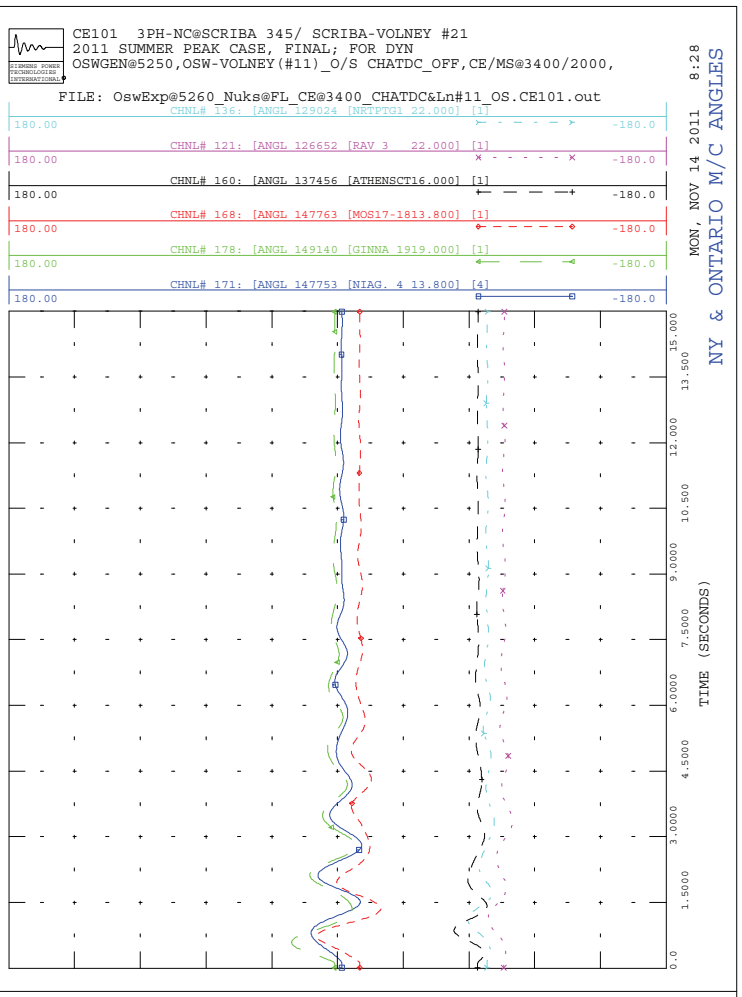
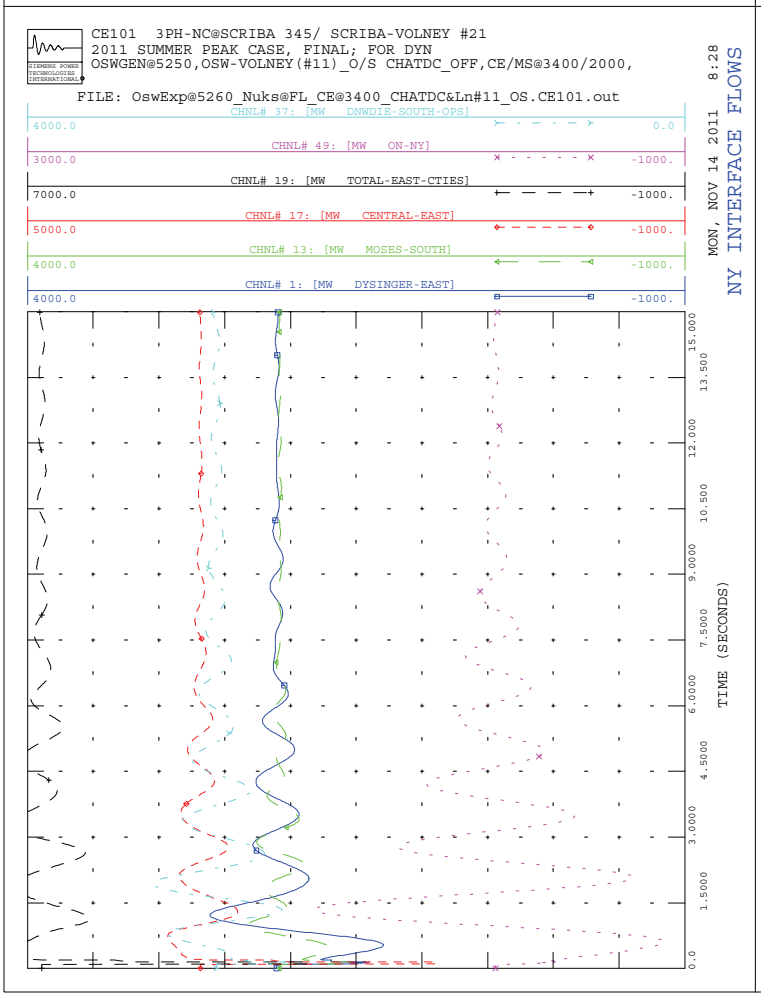
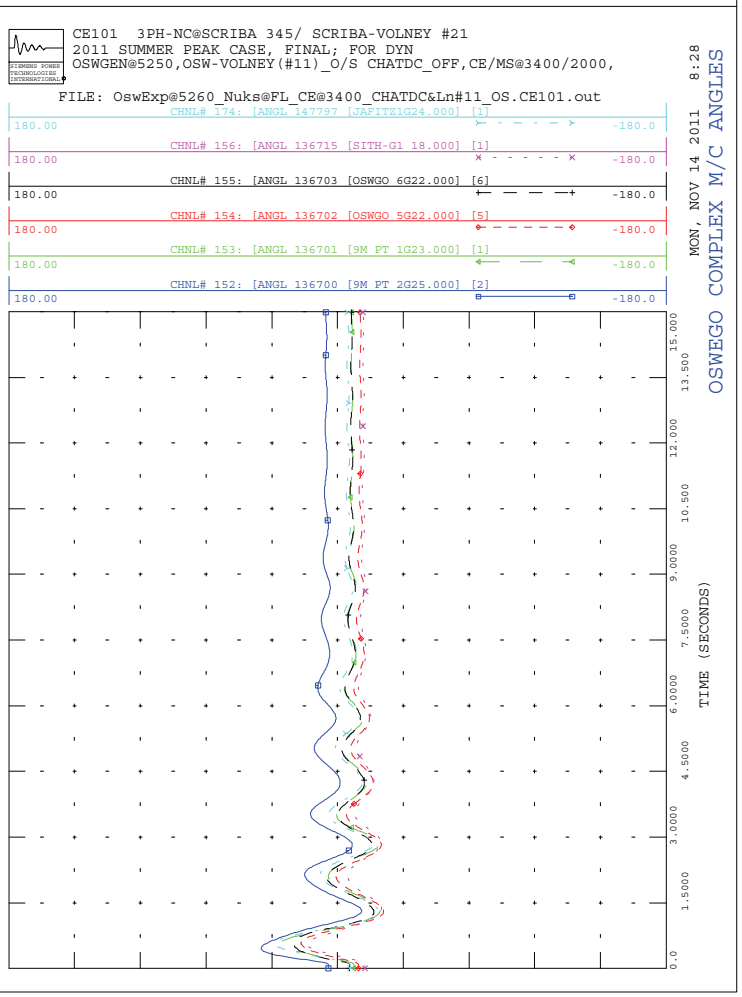
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT

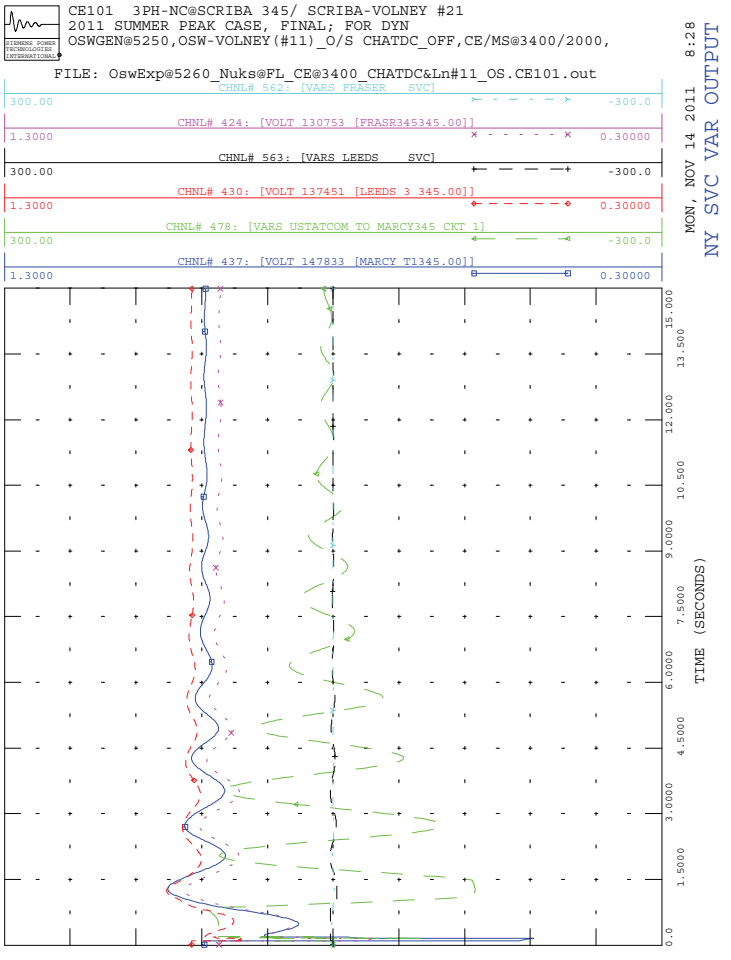

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY & OH VOLTAGES


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE101.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
MON, NOV 14 2011 8:28
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE101.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
MON, NOV 14 2011 8:28
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE101.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
MON, NOV 14 2011 8:28
NY INTERFACE FLOWS
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE101.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
MON, NOV 14 2011 8:28
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE101.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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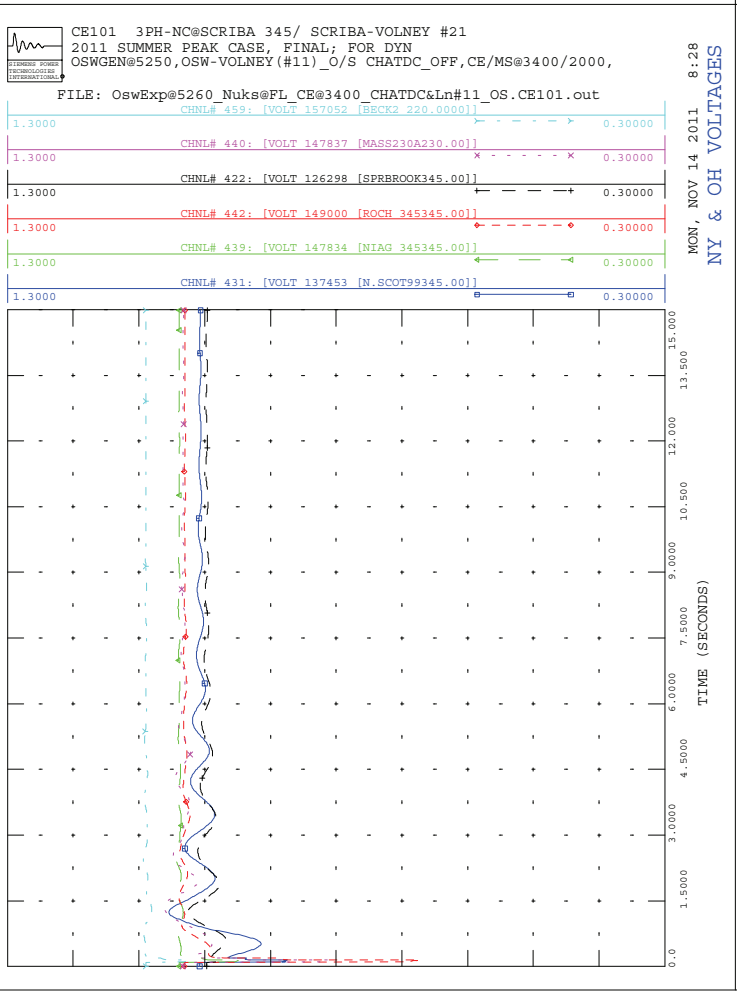
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.CE101.out
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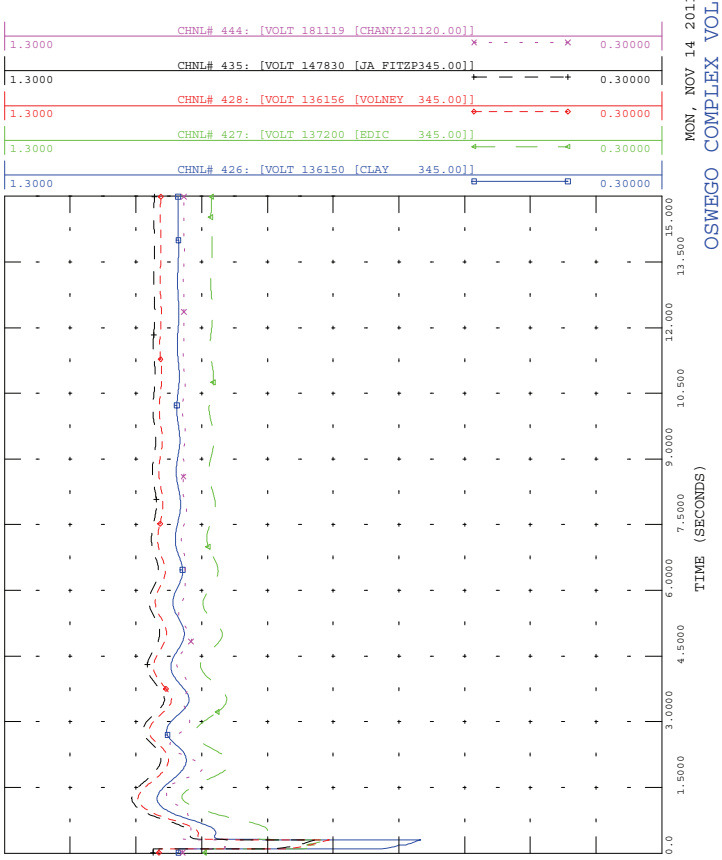
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
MON, NOV 14 2011 8:28
NY & OH VOLTAGES

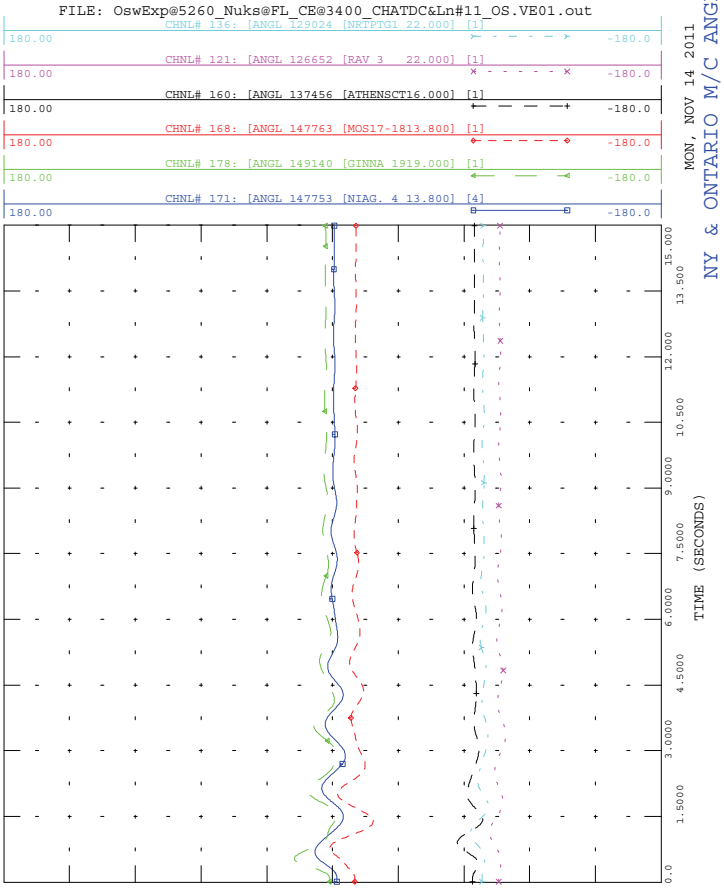
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.VE01.out



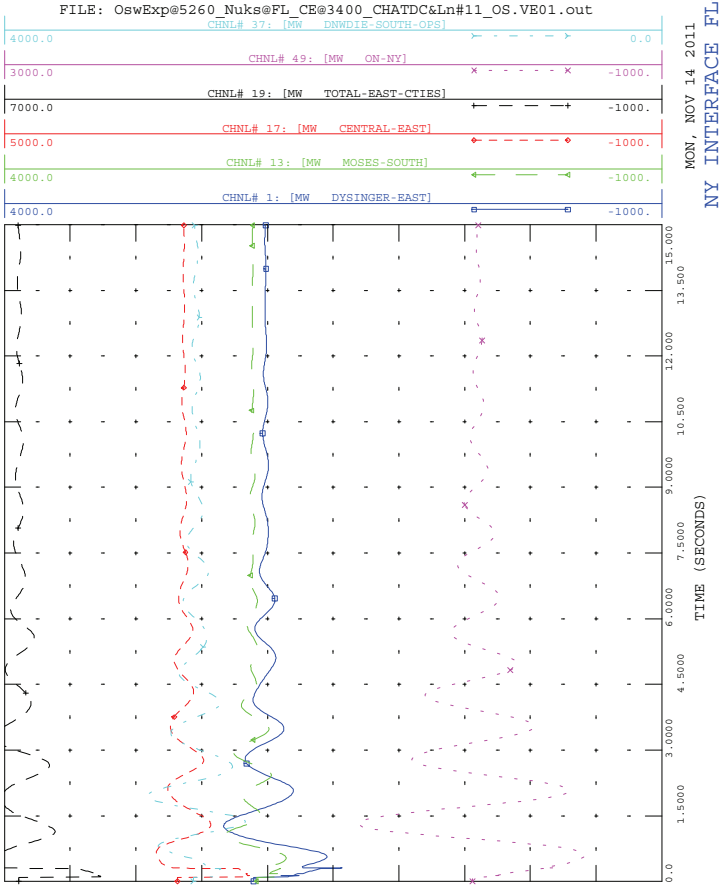
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.VE01.out



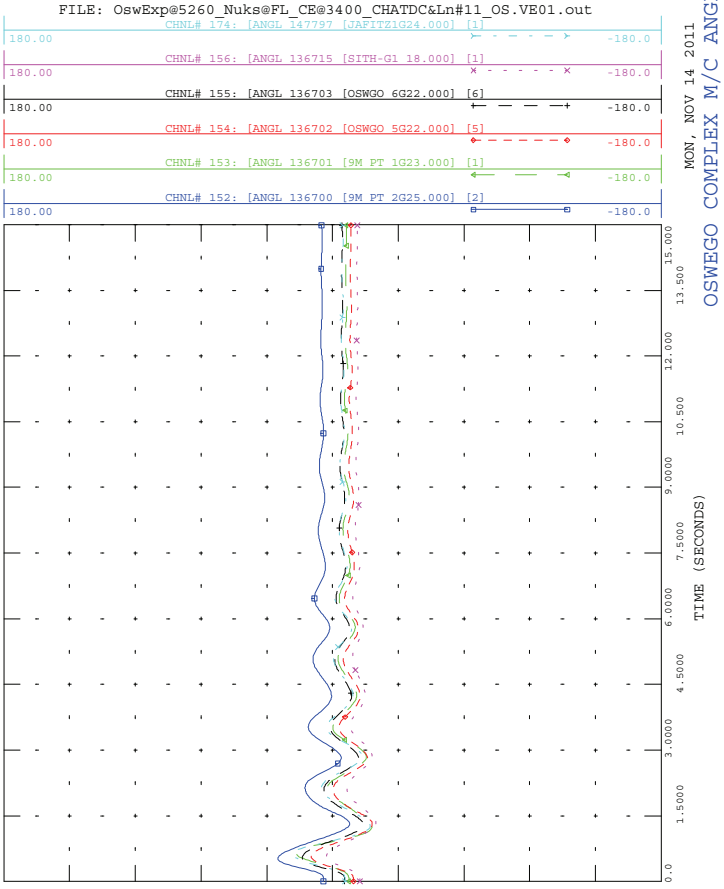
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

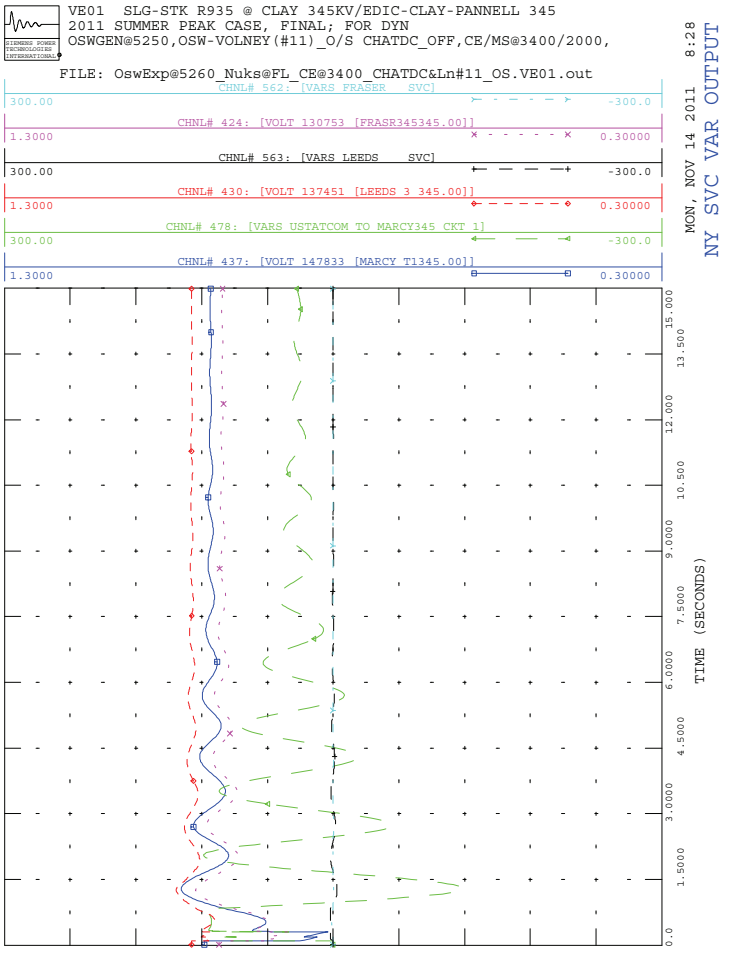
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.VE01.out

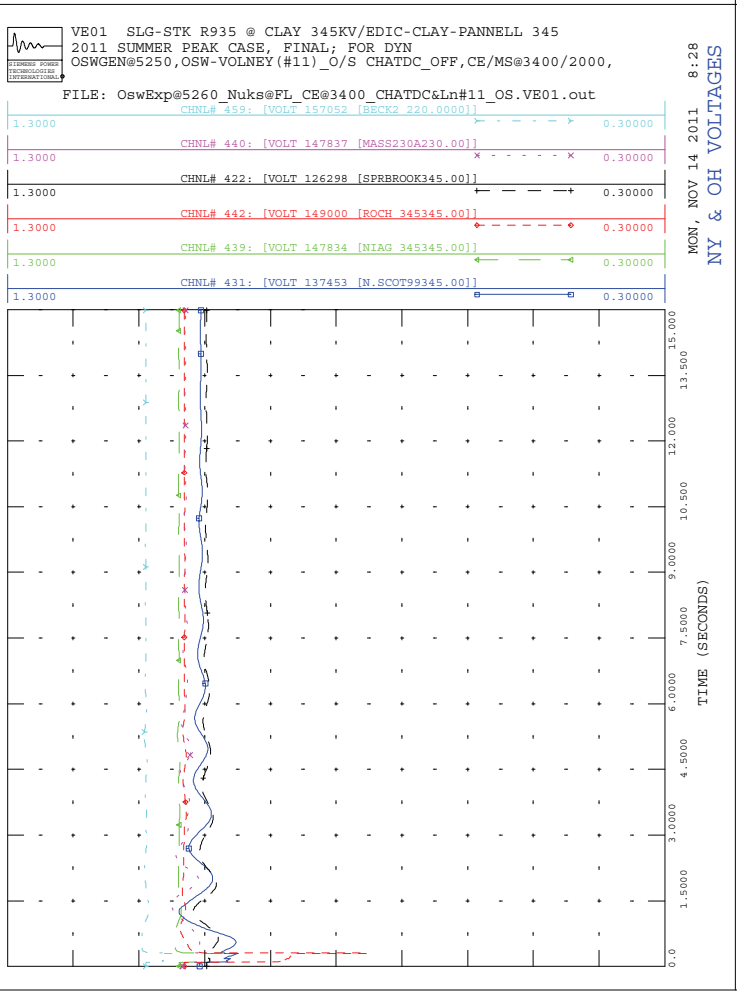


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.VE01.out




VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.VE01.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
MON, NOV 14 2011 8:28
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

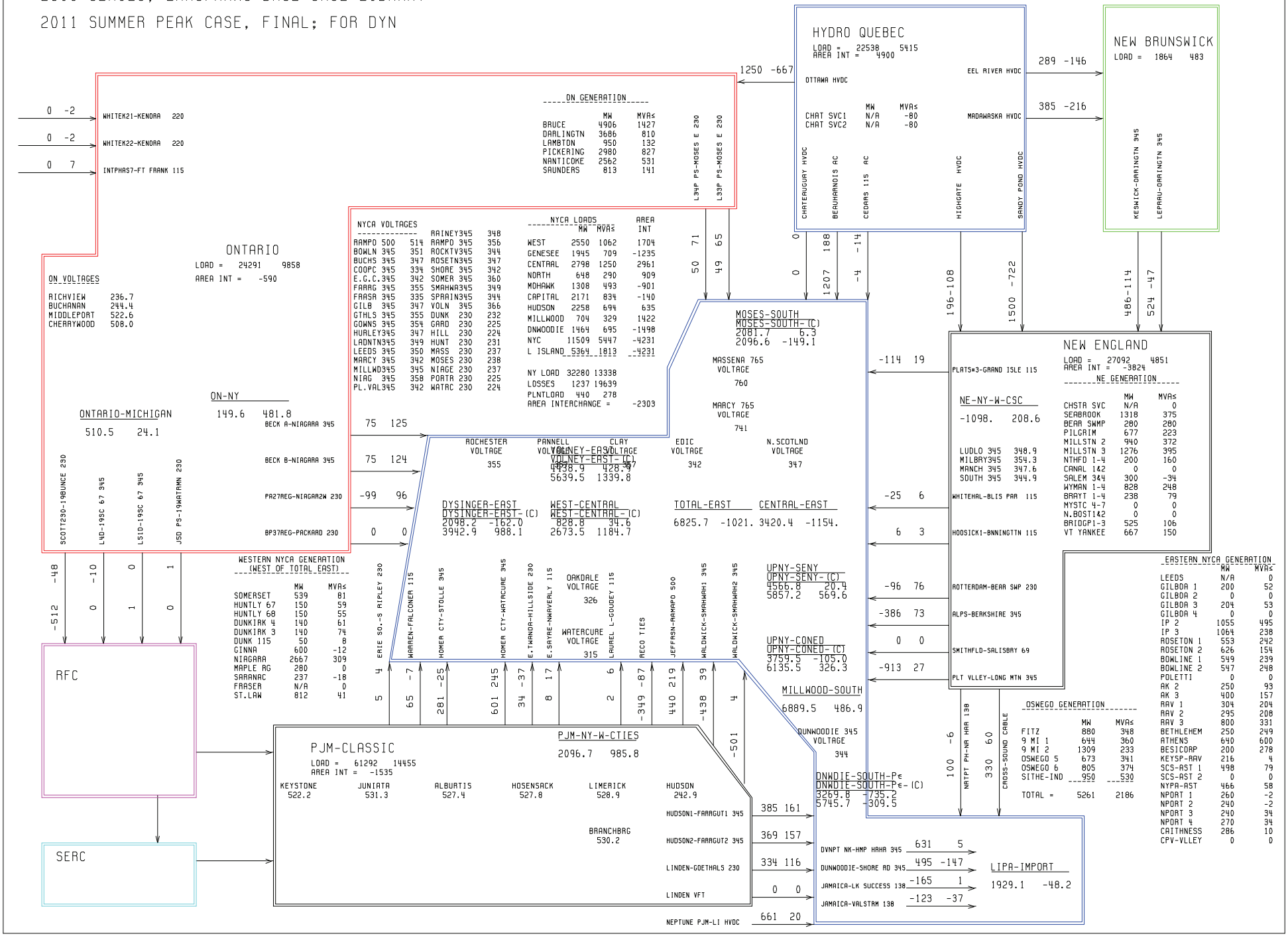

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,OSW-VOLNEY(#11)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260_Nuks@FL_CE@3400_CHATDC&Ln#11_OS.VE01.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
MON, NOV 14 2011 8:28
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

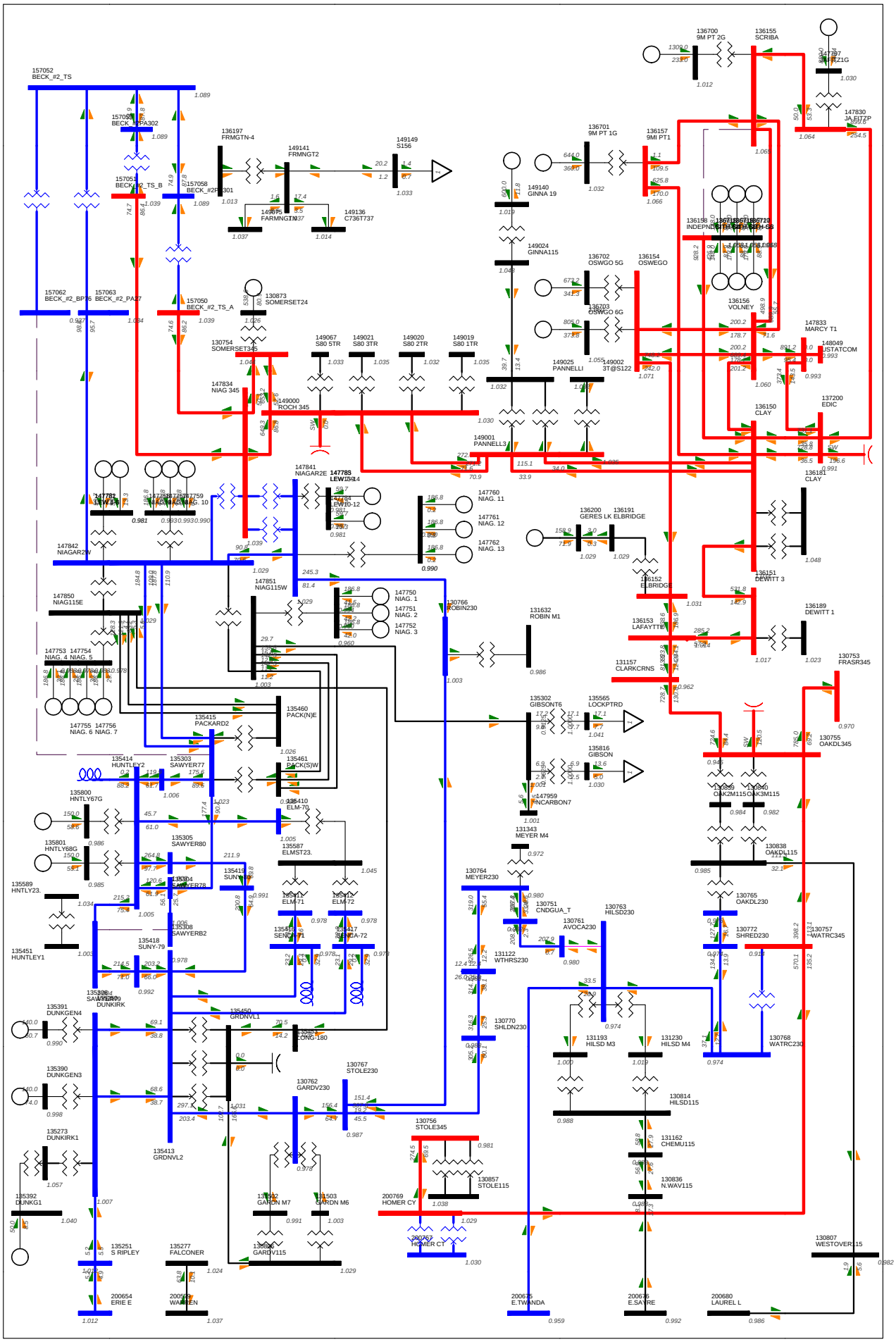
APPENDIX J: Oswego Export Limit – Scriba – Indep. (#25) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
TUE, NOV 15 2011 8:12

Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

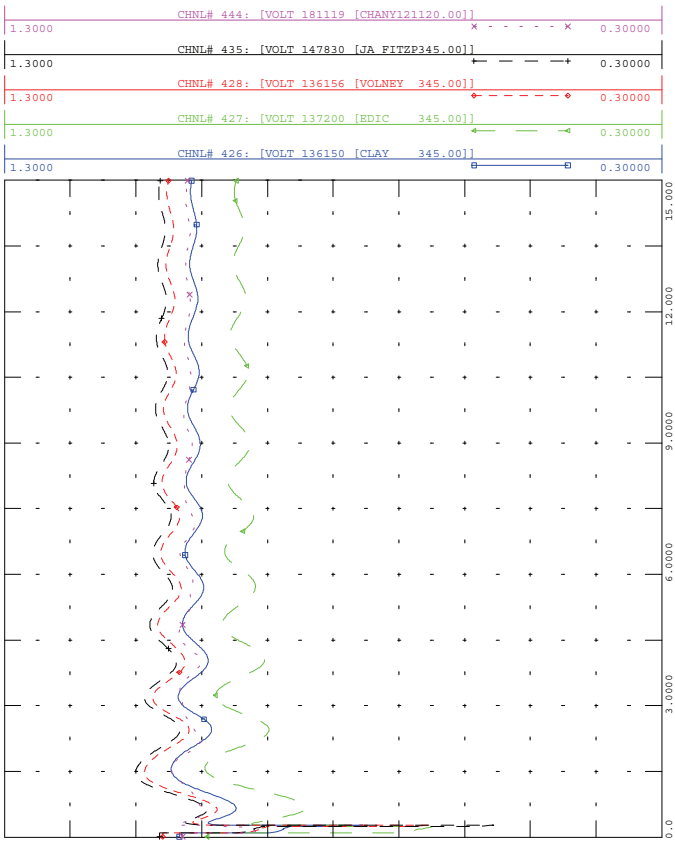
WESTERN NYISO

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE03.out

TUE, NOV 15 2011 7:59

OSWEGO COMPLEX VOLTAGES

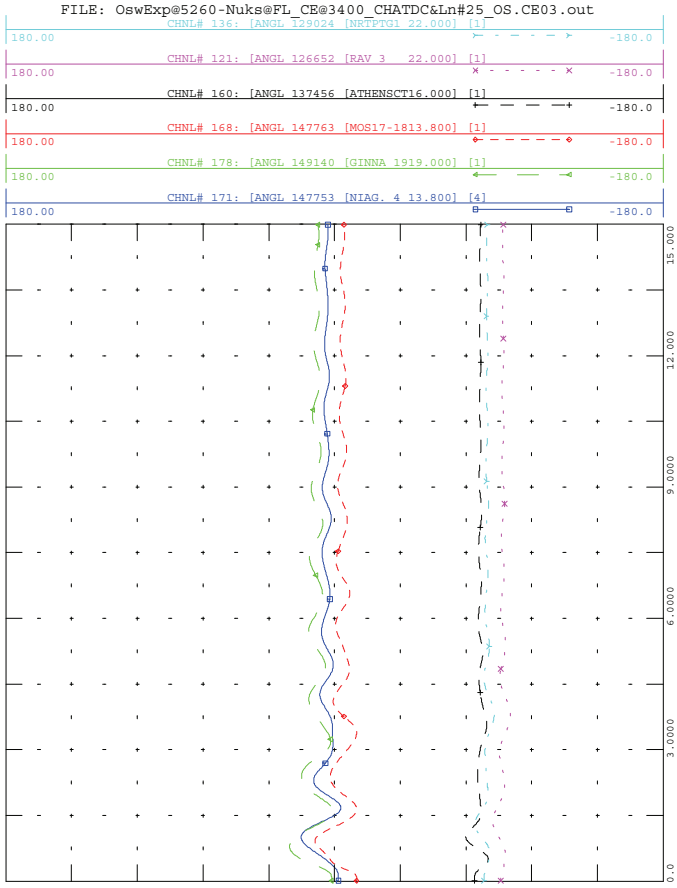


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE03.out

TUE, NOV 15 2011 7:59

NY & ONTARIO M/C ANGLES

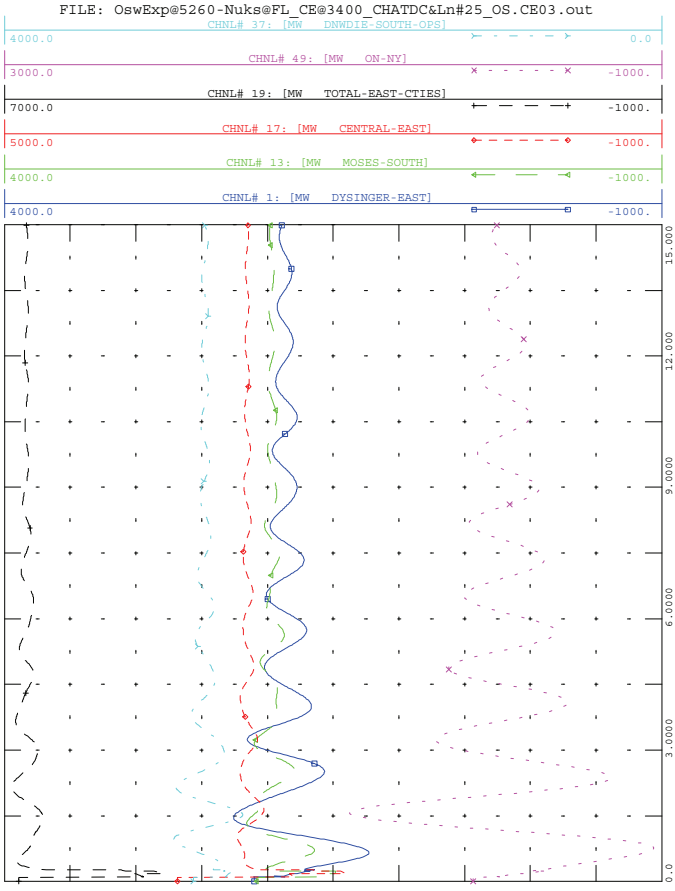


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE03.out

TUE, NOV 15 2011 7:59

NY INTERFACE FLOWS

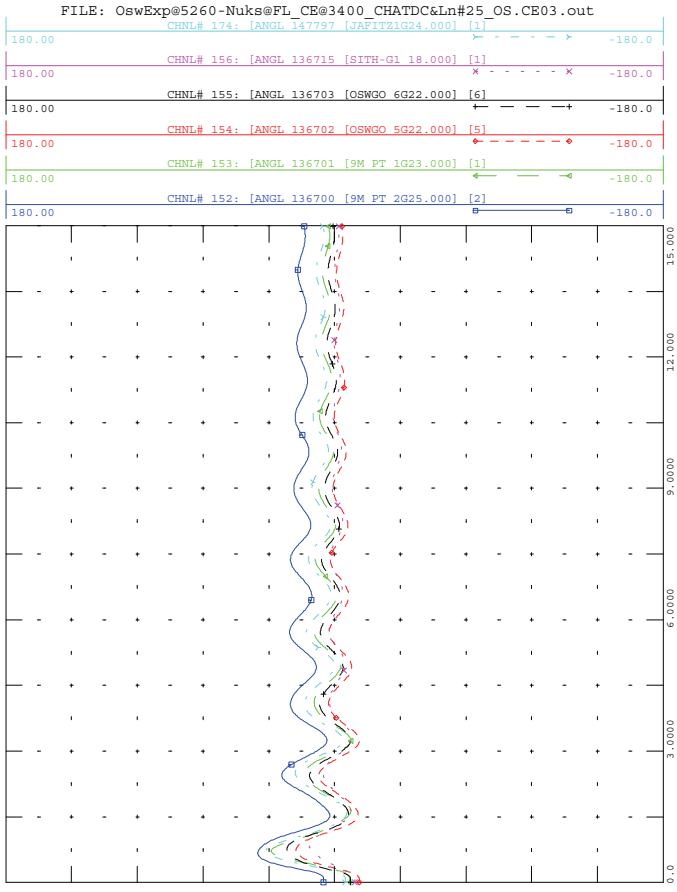


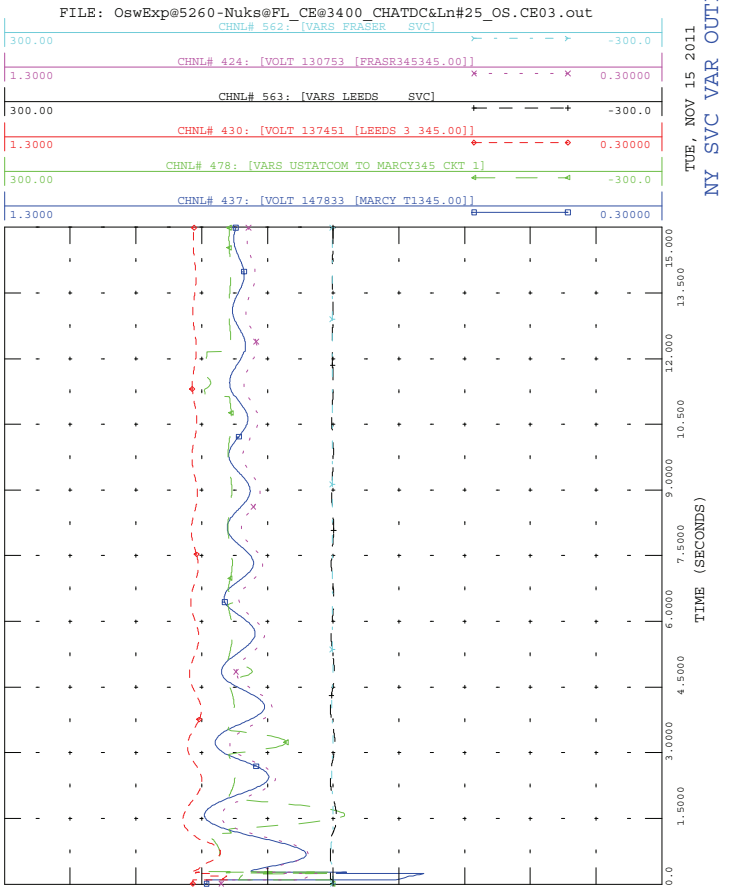
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE03.out

TUE, NOV 15 2011 7:59

OSWEGO COMPLEX M/C ANGLES




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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12.000
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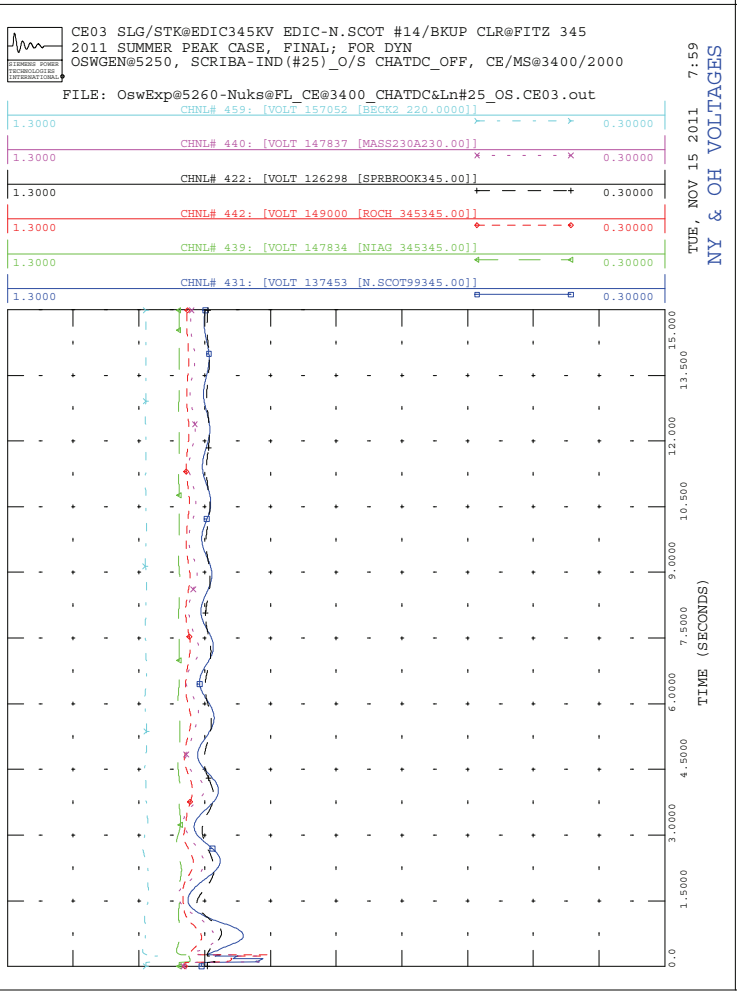
15.000
TIME (SECONDS)
TUE, NOV 15 2011 7:59
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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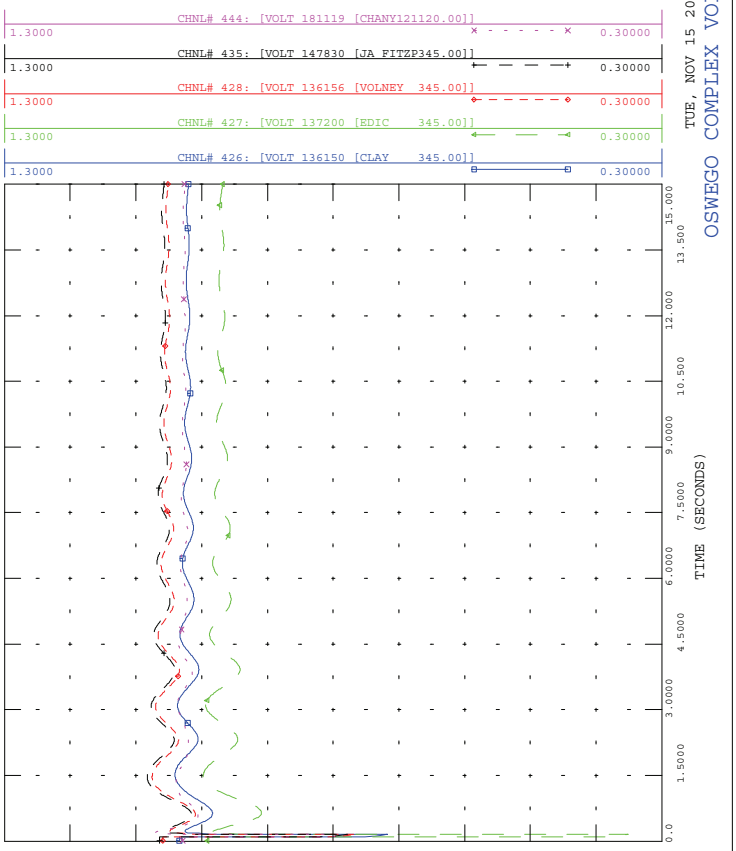
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 15 2011 7:59
NY & OH VOLTAGES

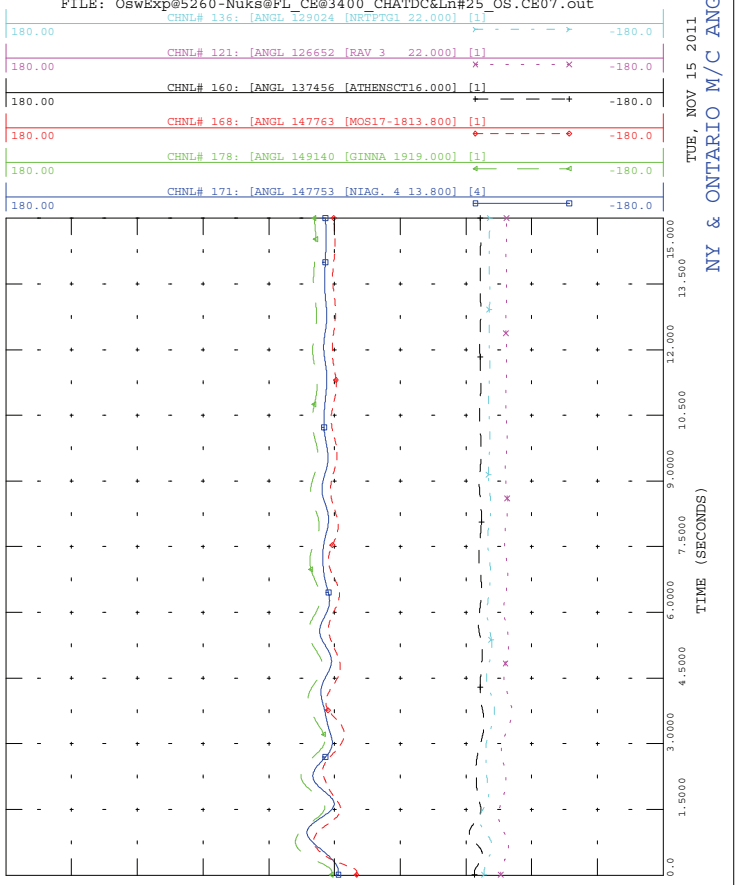
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE07.out



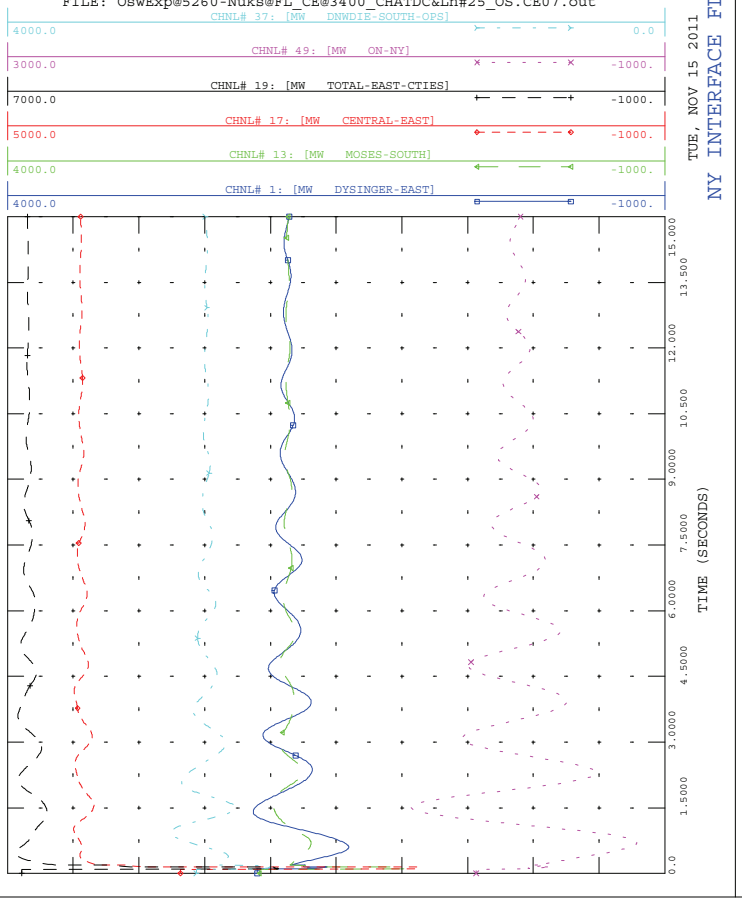
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE07.out



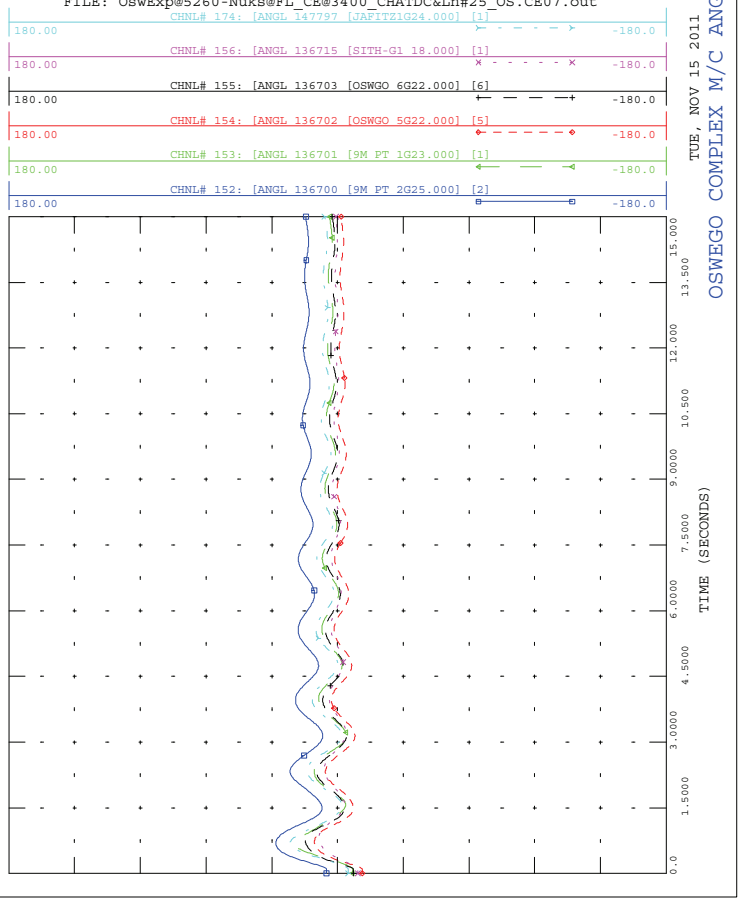
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

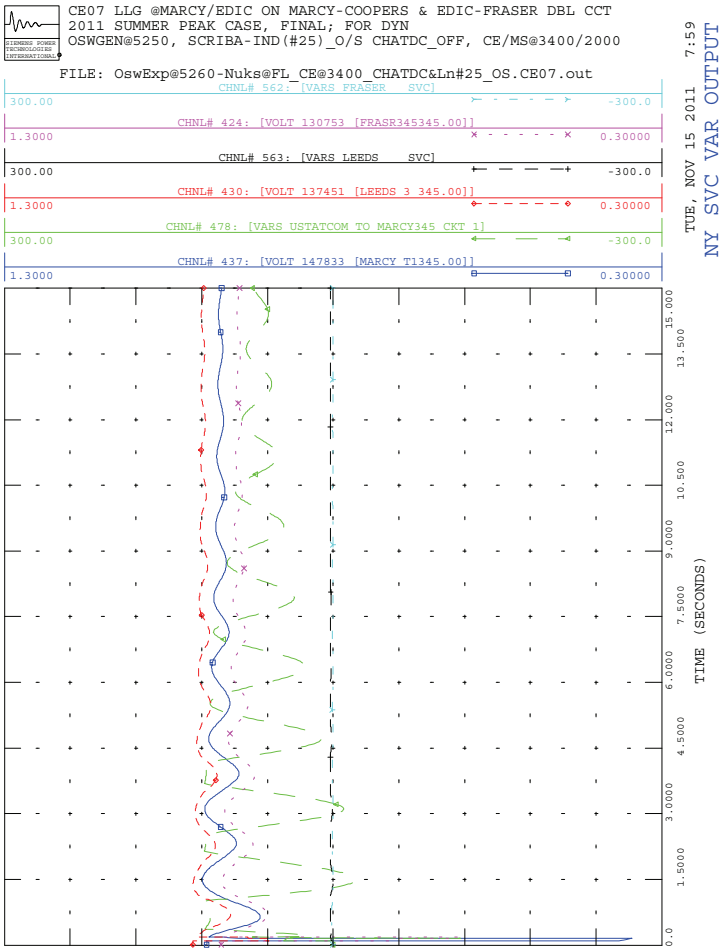
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE07.out



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE07.out




CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, NOV 15 2011 7:59
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
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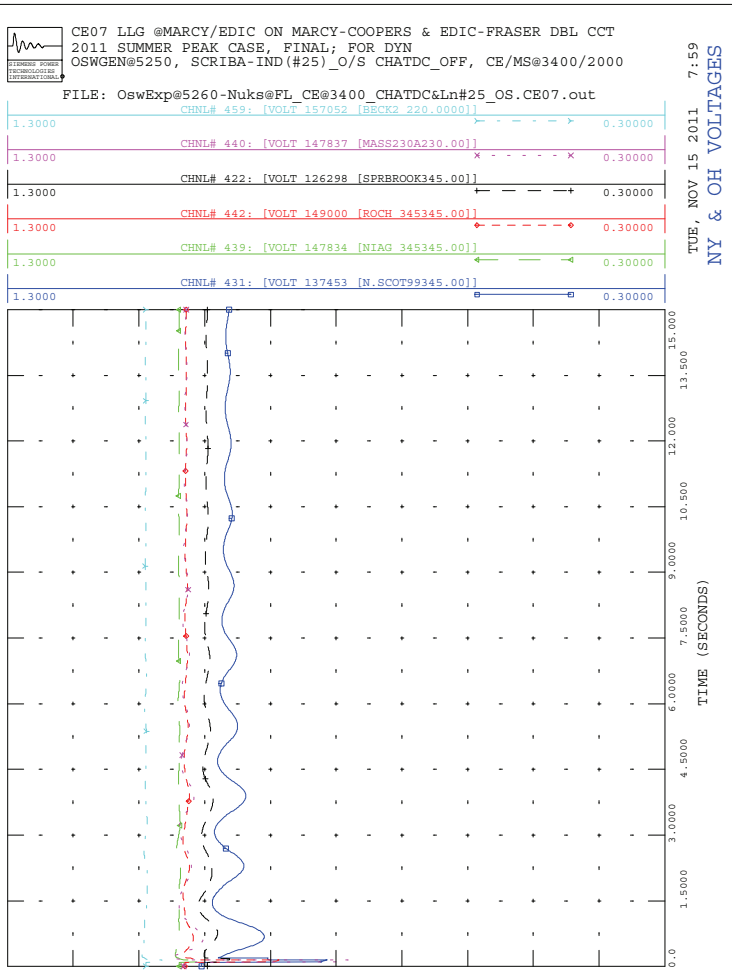
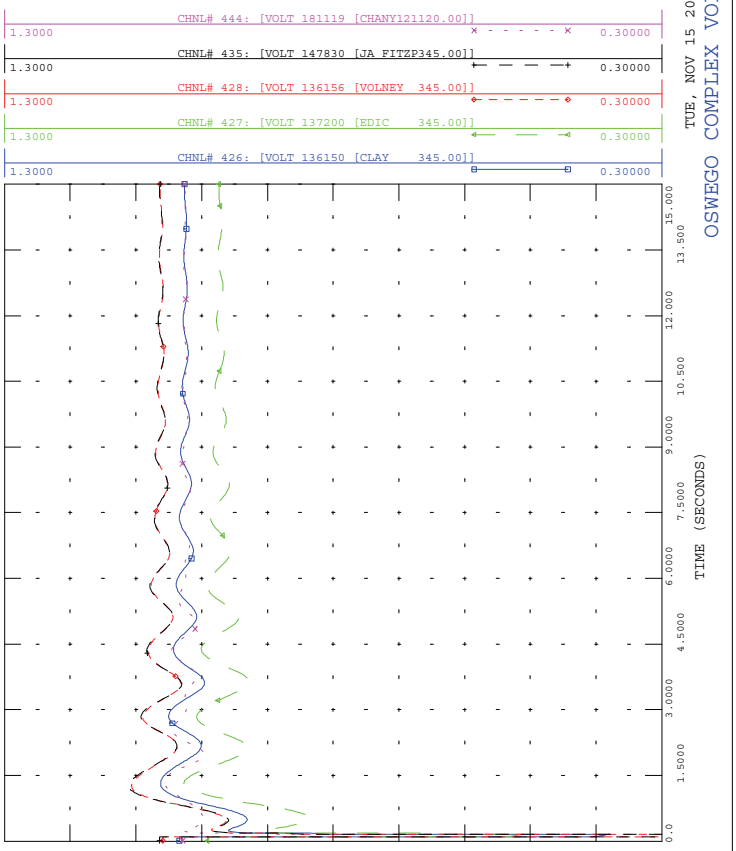
13.500
15.000


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, NOV 15 2011 7:59
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

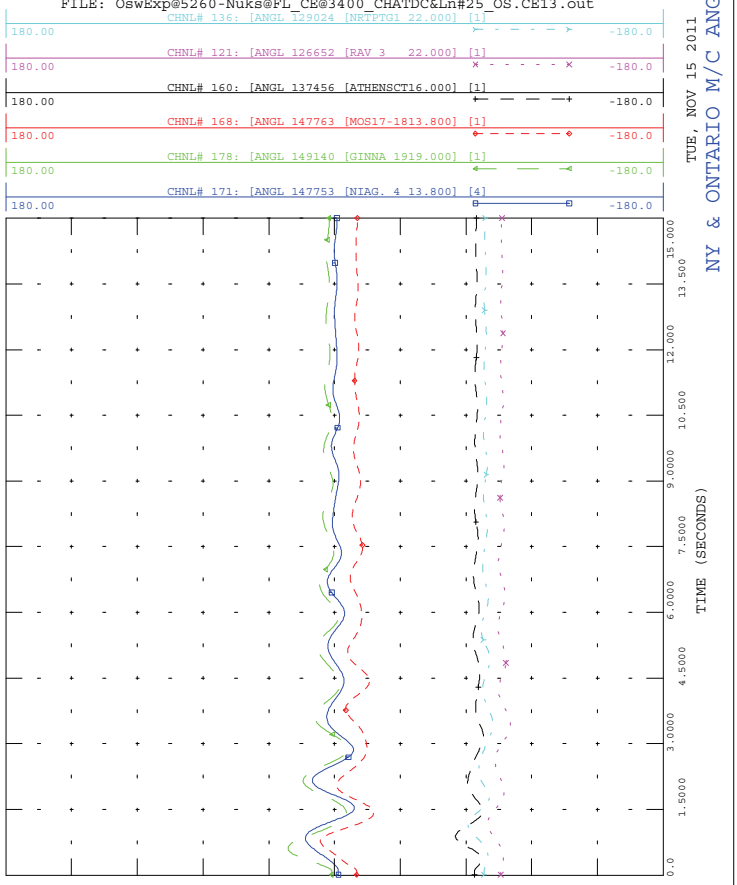
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE13.out



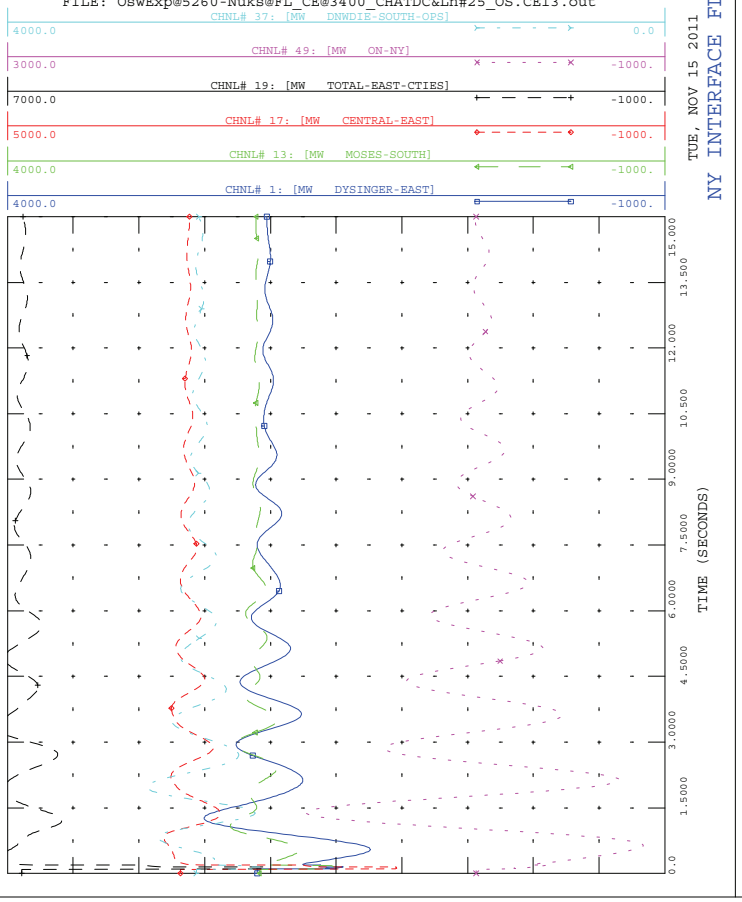
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE13.out



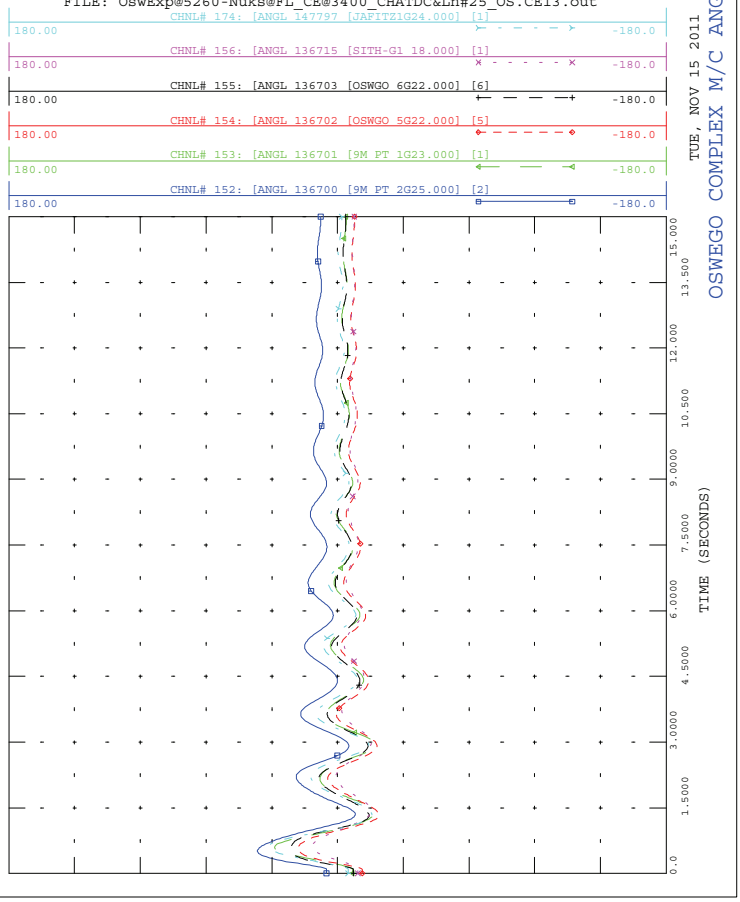
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

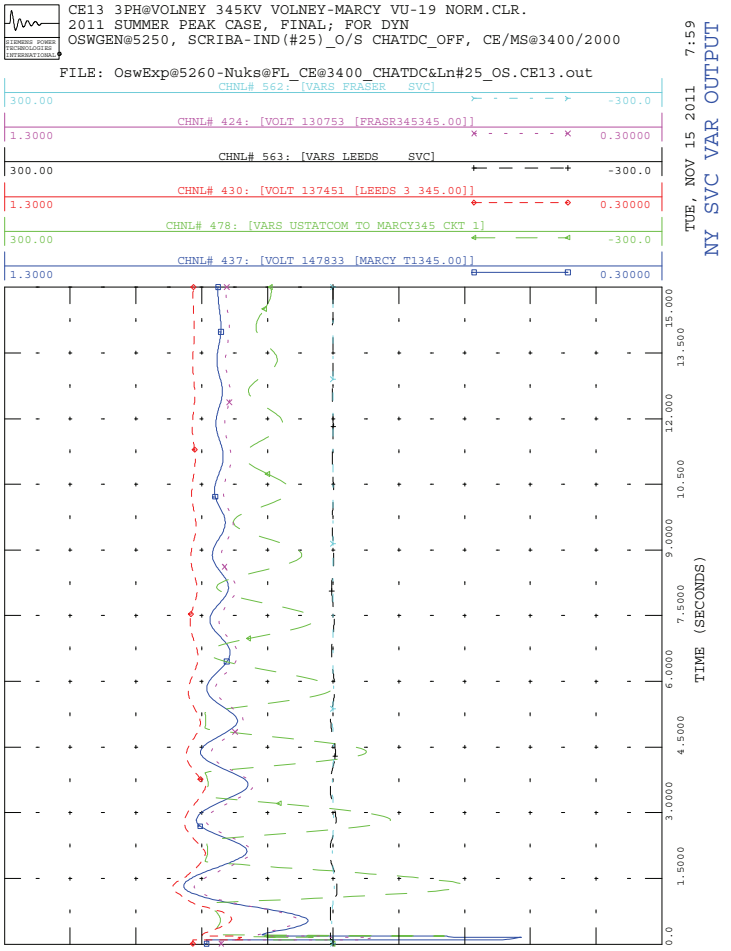
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE13.out

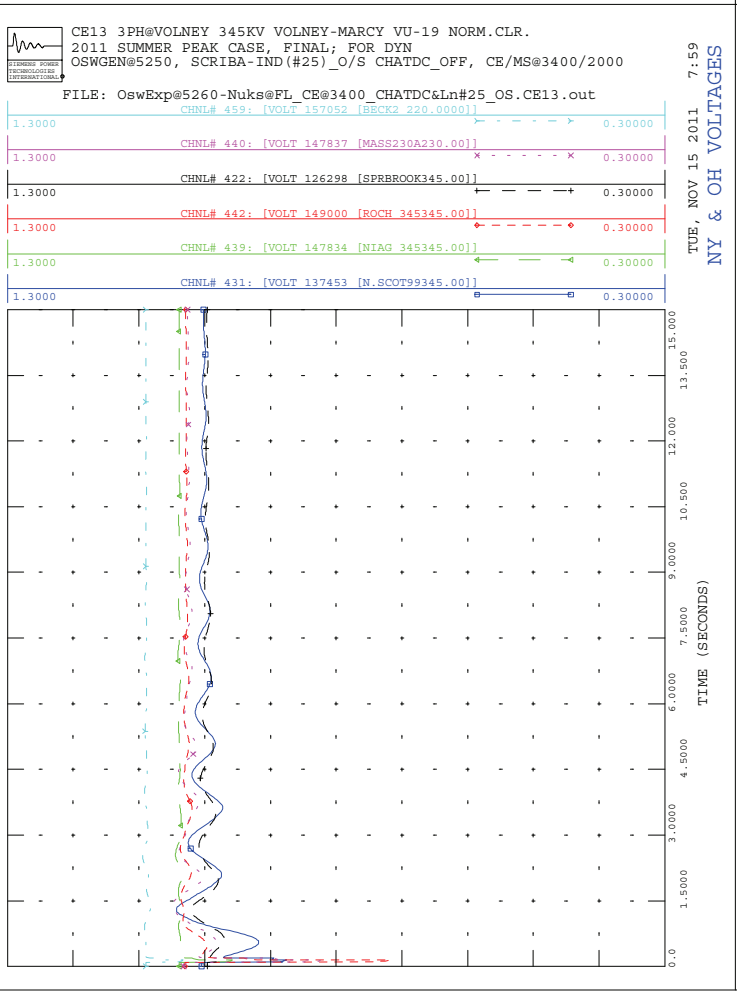


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE13.out




CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 15 2011 7:59
NY SVC VAR OUTPUT


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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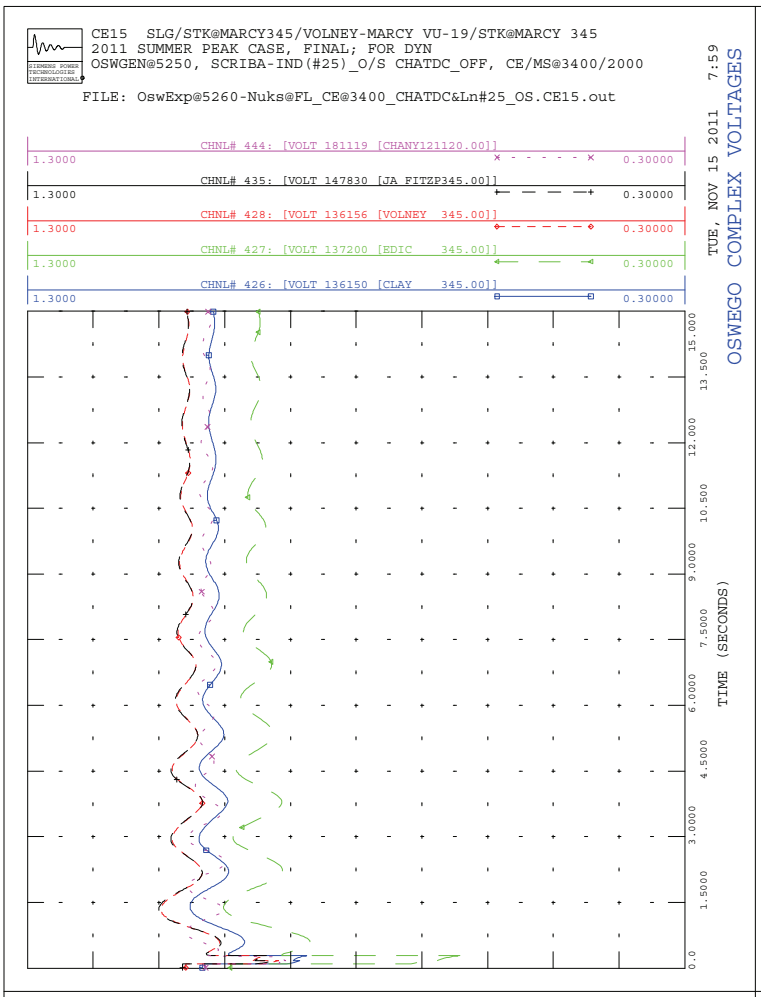
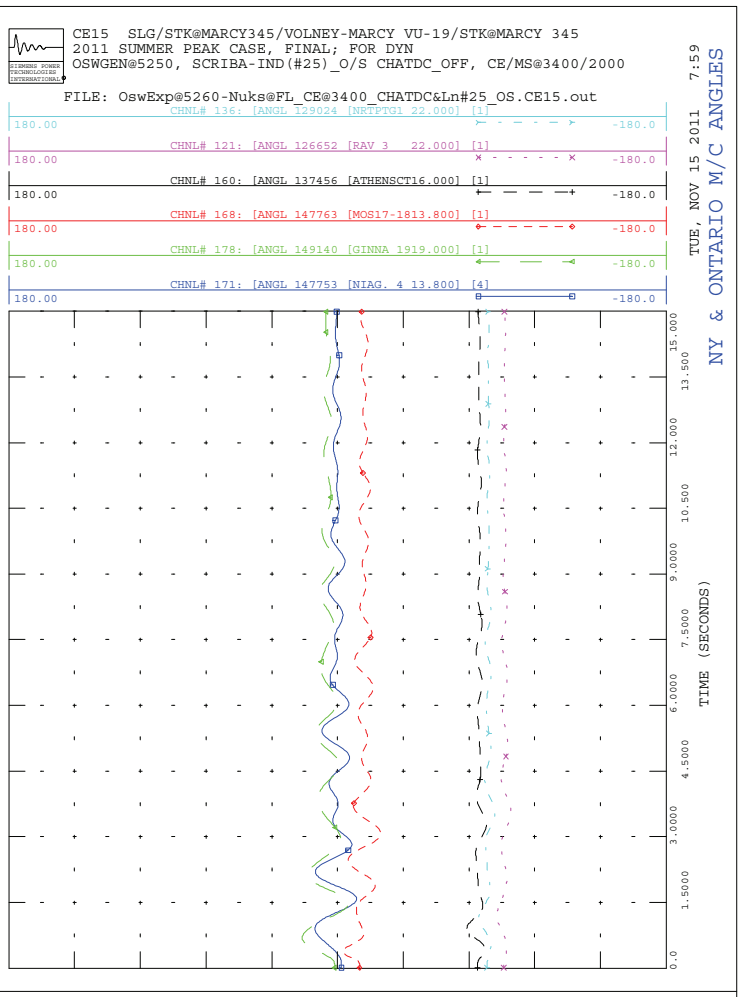
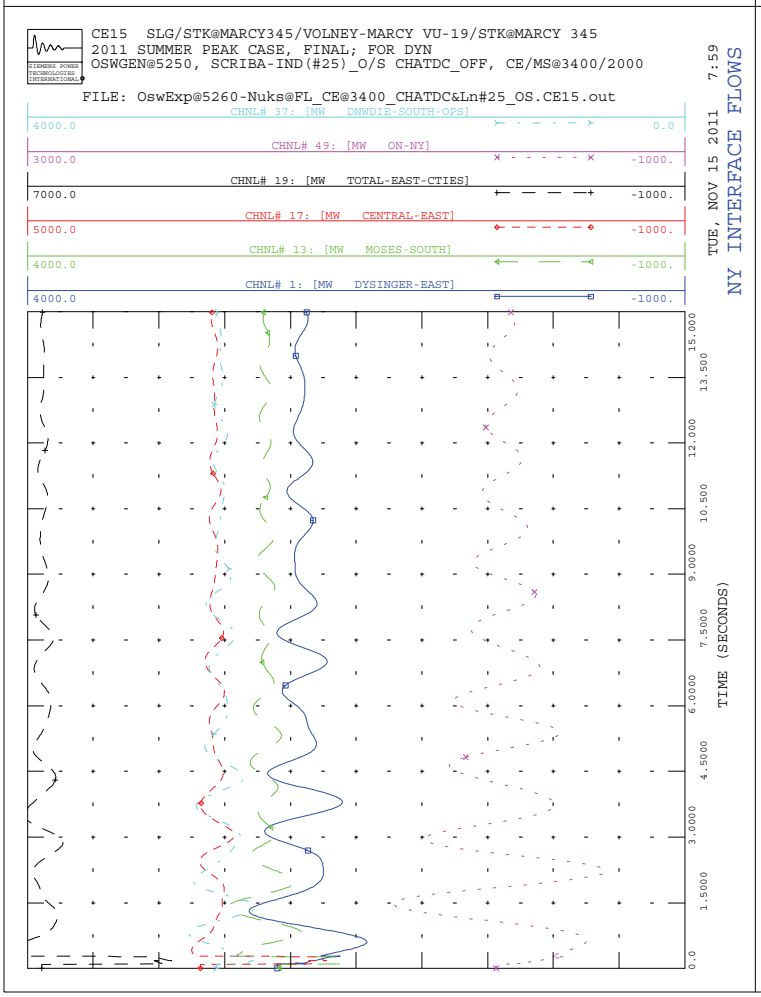
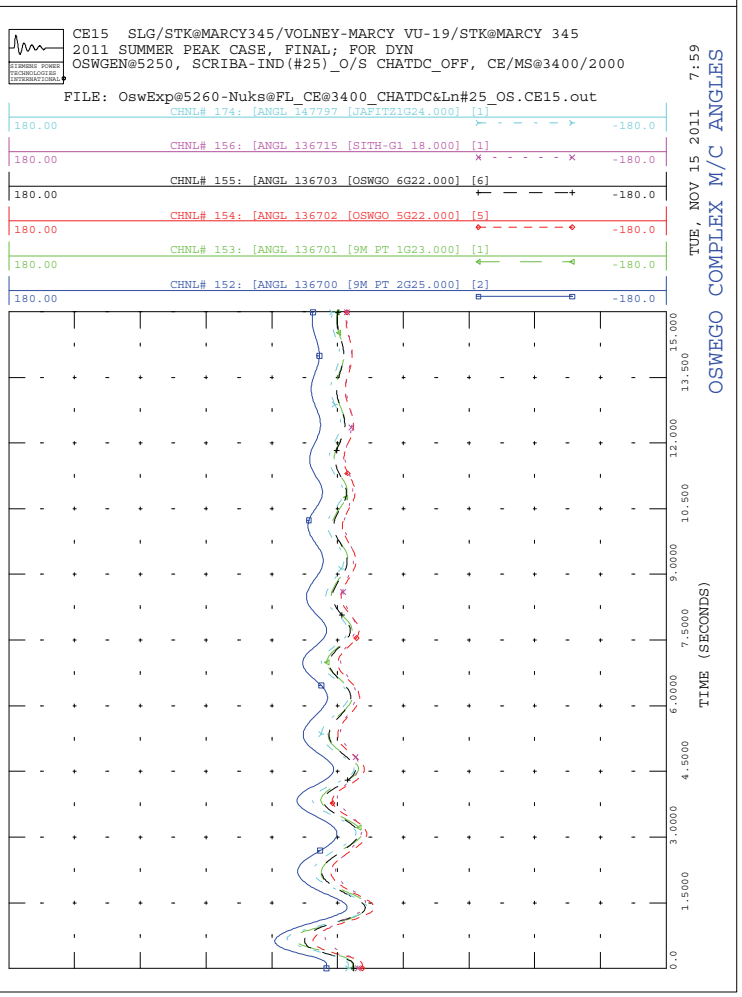
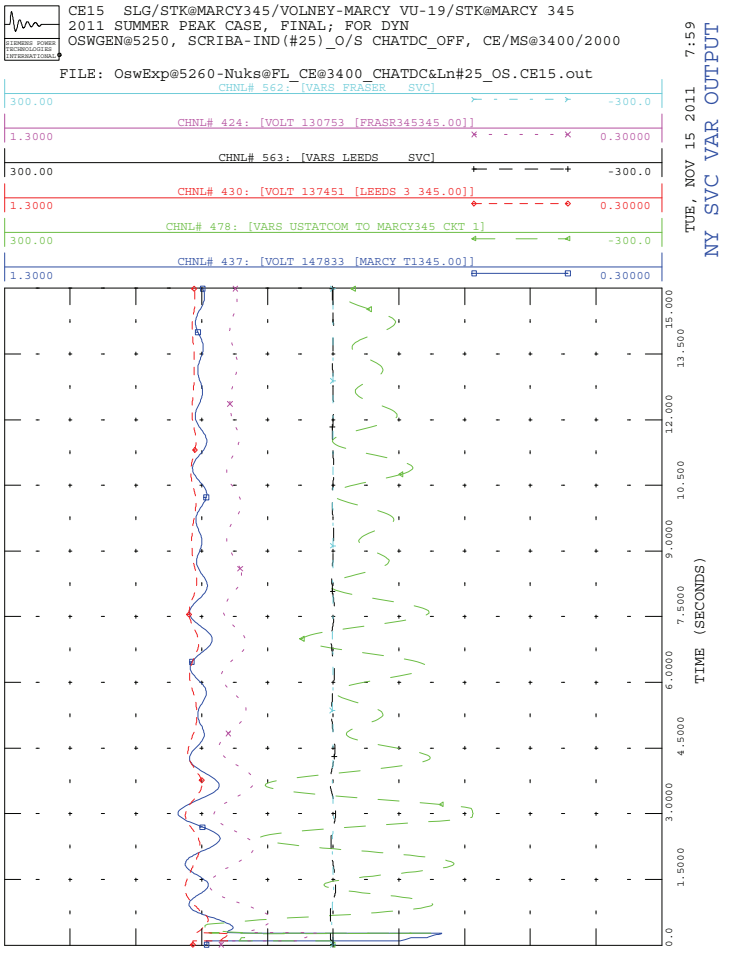
10.500
12.000
13.500
15.000
TIME (SECONDS)
TUE, NOV 15 2011 7:59
NY & OH VOLTAGES


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE15.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
TUE, NOV 15 2011 7:59
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE15.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000]]
CHNL# 121: [ANGL 126652 [RAV 3 22.000]]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000]]
CHNL# 168: [ANGL 147763 [MOS17-1813.800]]
CHNL# 178: [ANGL 149140 [GINNA 1919.000]]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800]]
TUE, NOV 15 2011 7:59
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE15.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
TUE, NOV 15 2011 7:59
NY INTERFACE FLOWS
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE15.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000]]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000]]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000]]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000]]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000]]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000]]
TUE, NOV 15 2011 7:59
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, NOV 15 2011 7:59
NY SVC VAR OUTPUT
TIME (SECONDS)
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1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
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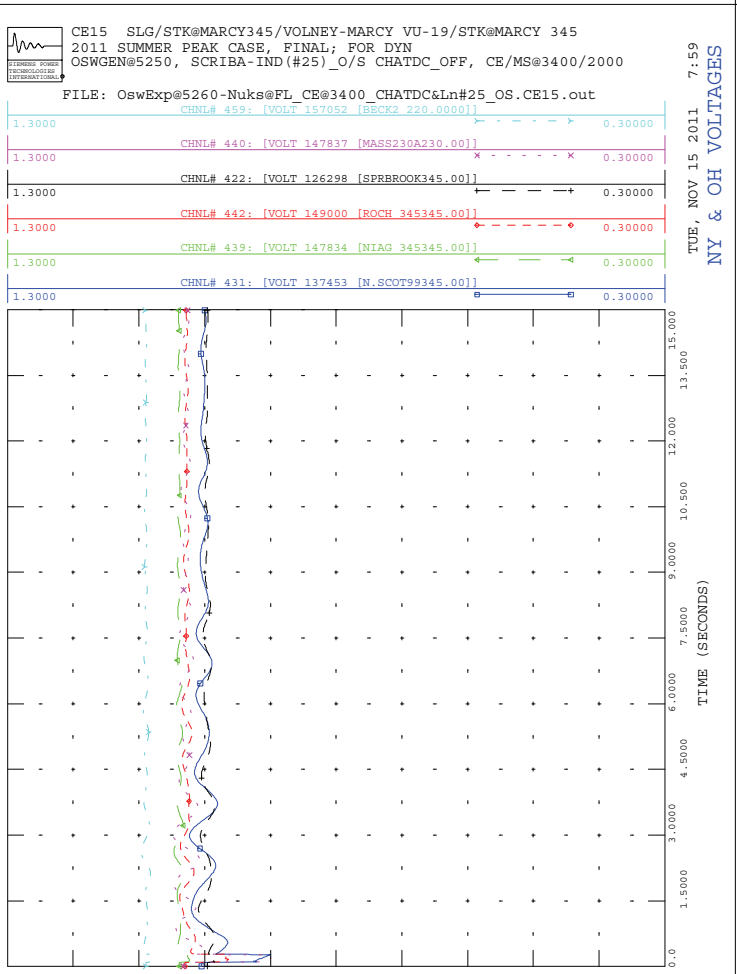
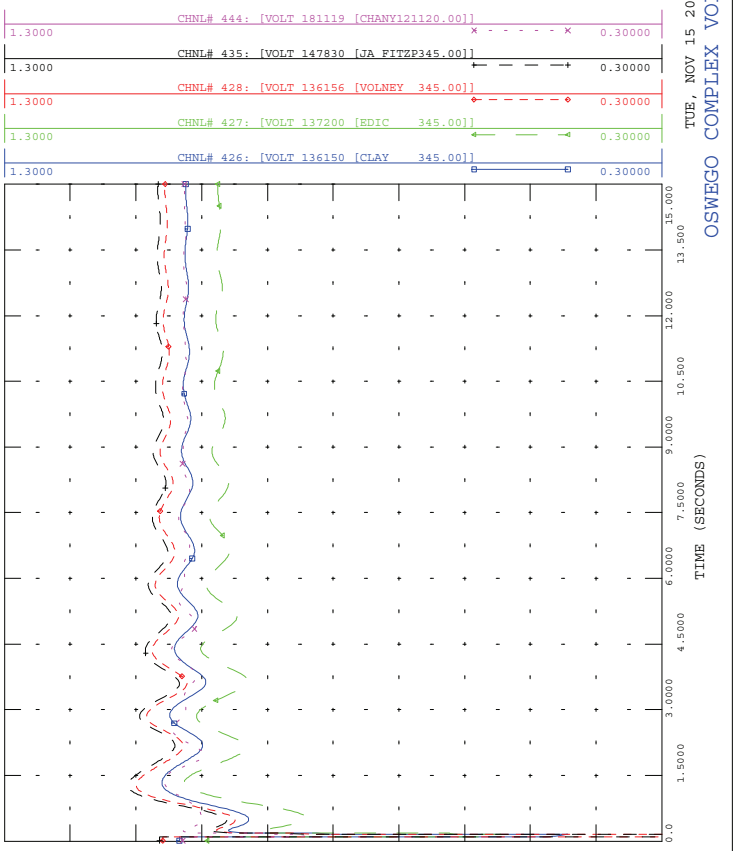
13.500
15.000


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, NOV 15 2011 7:59
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

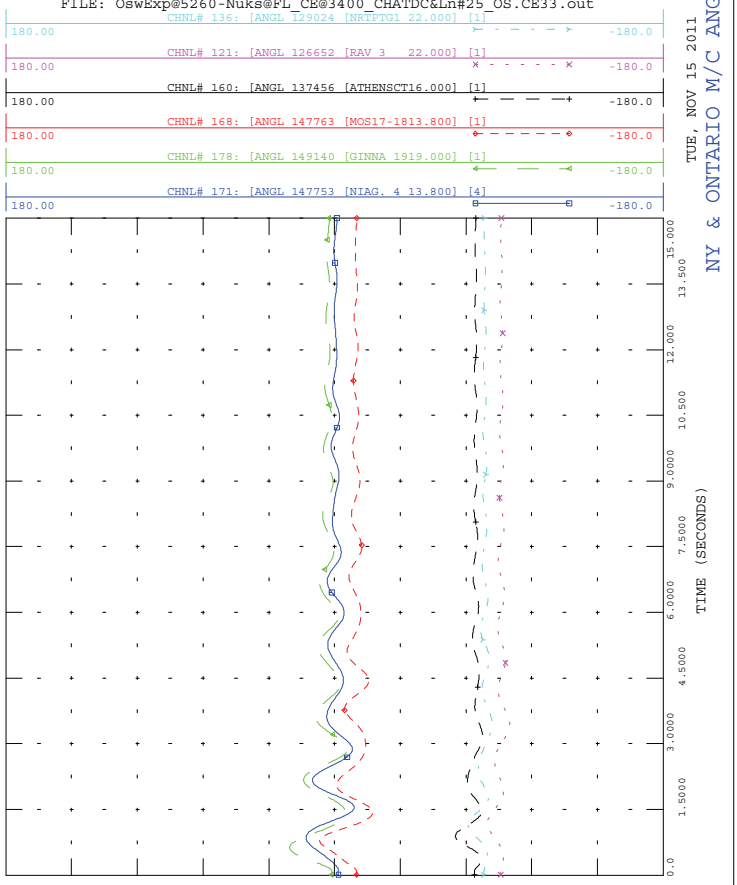
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE33.out



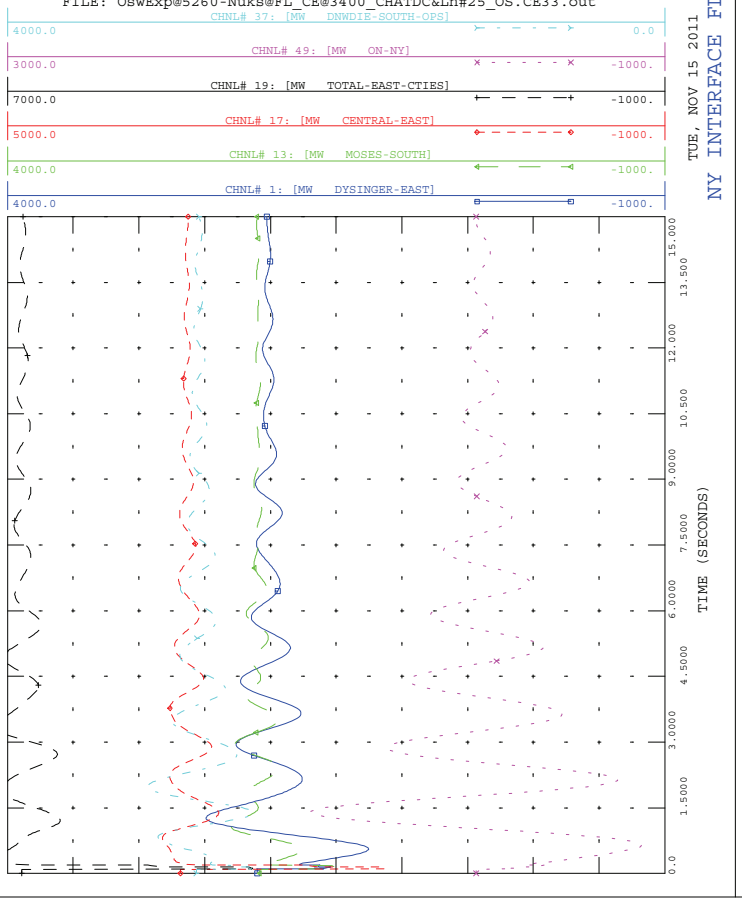
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE33.out



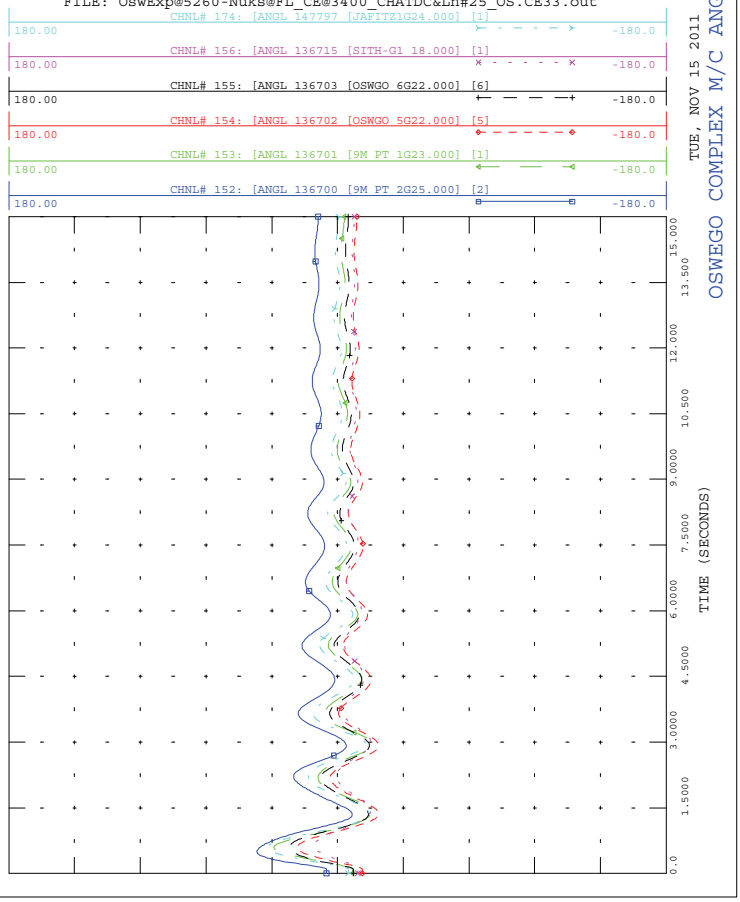
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

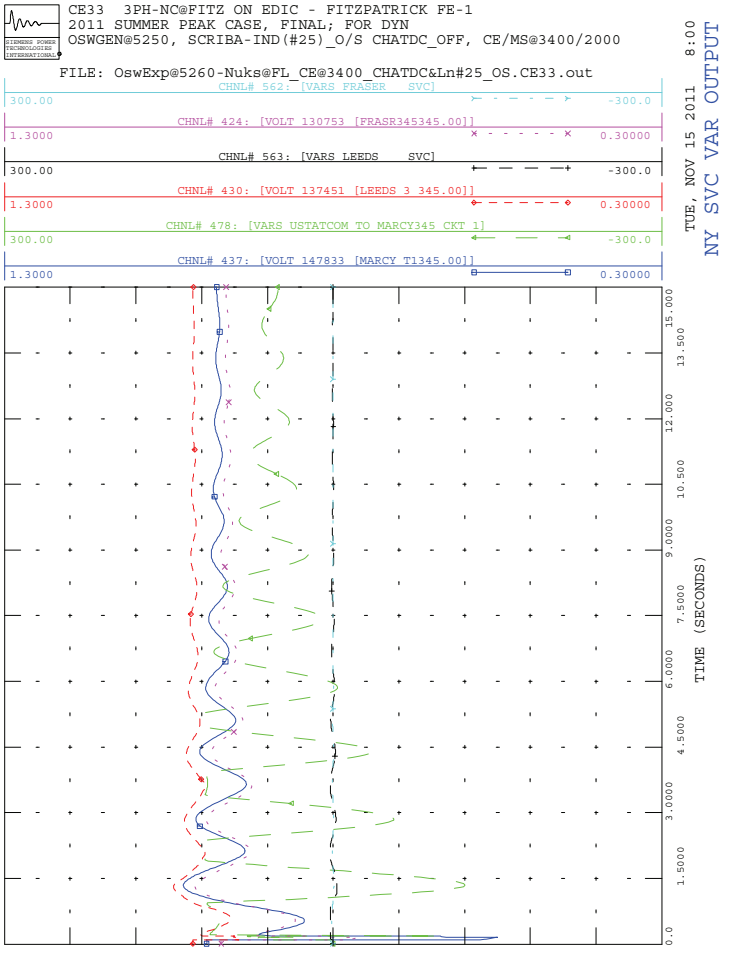
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE33.out

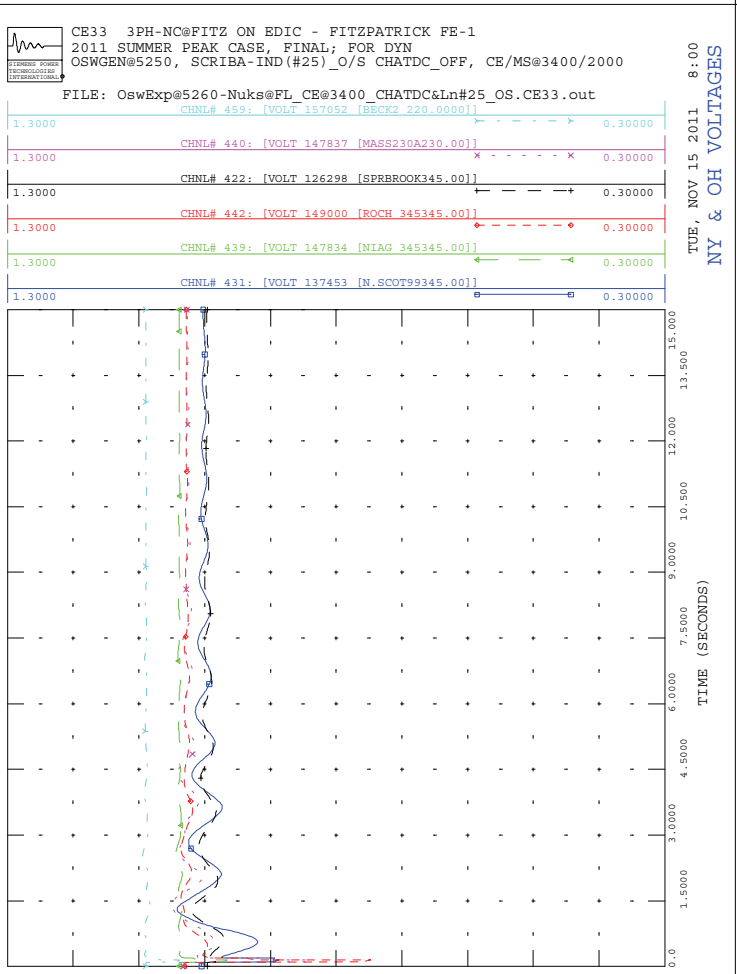


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE33.out

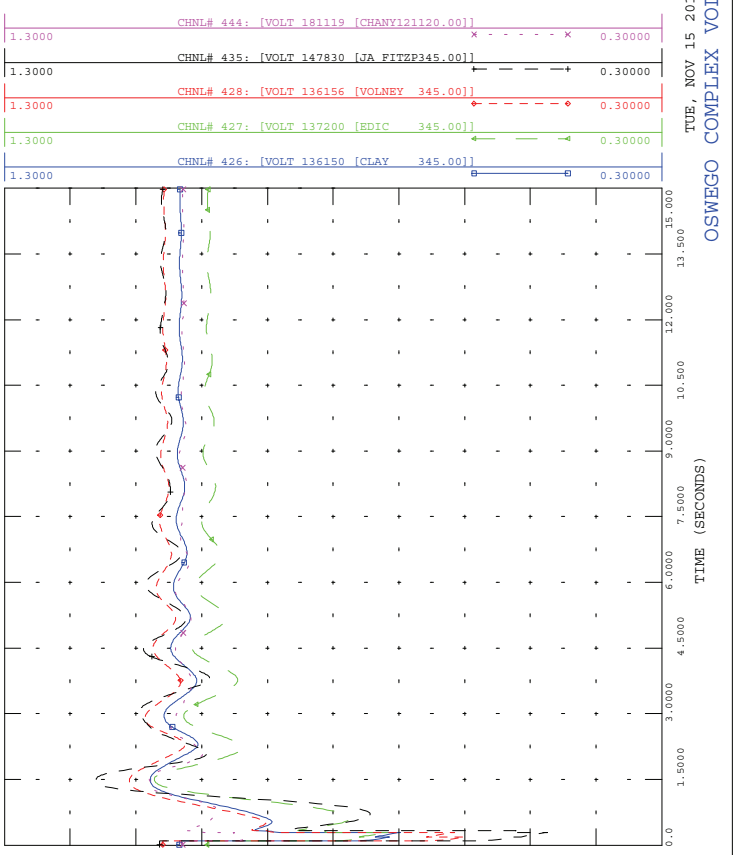



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, NOV 15 2011 8:00
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, NOV 15 2011 8:00
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

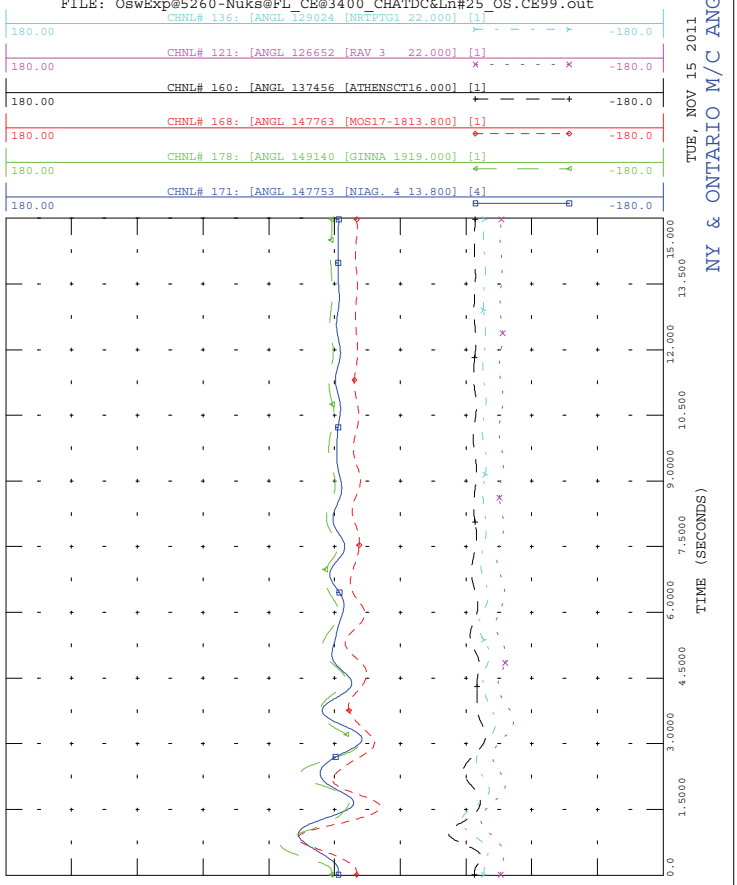
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE99.out



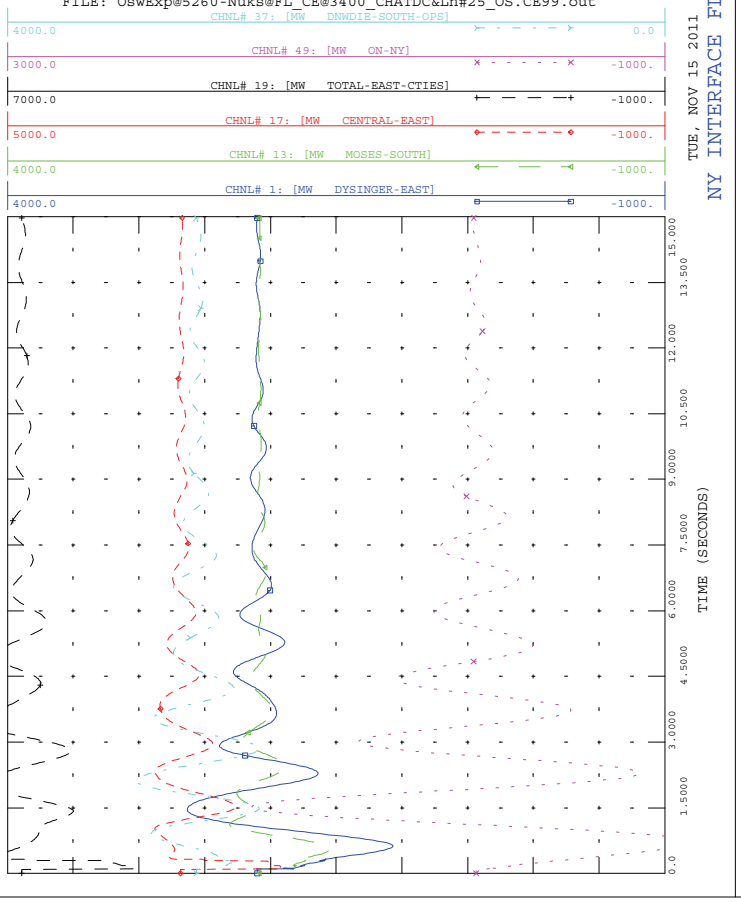
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE99.out



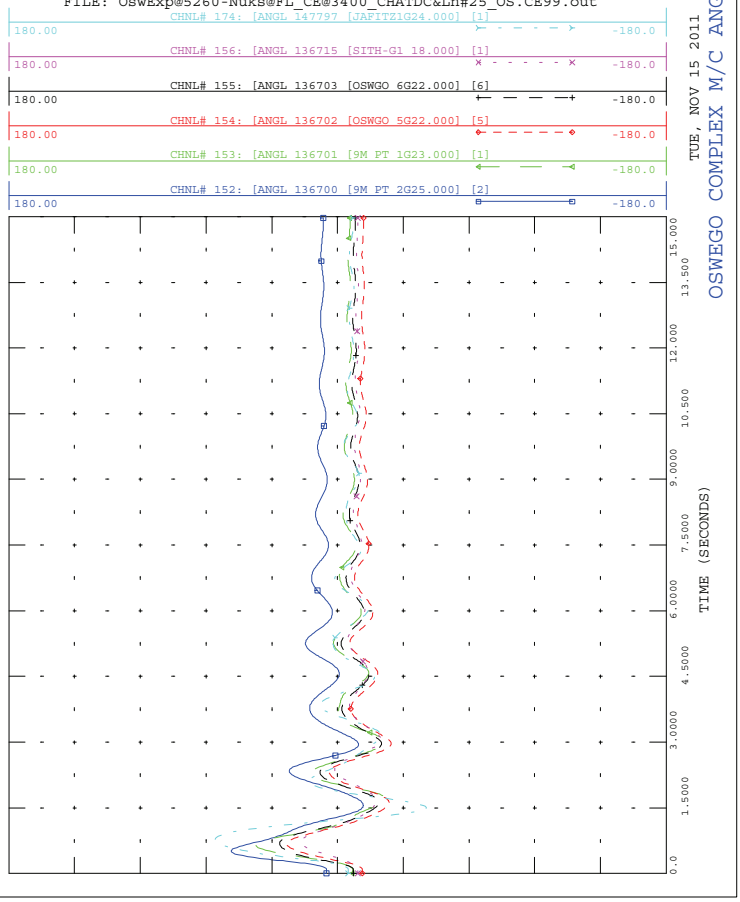
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

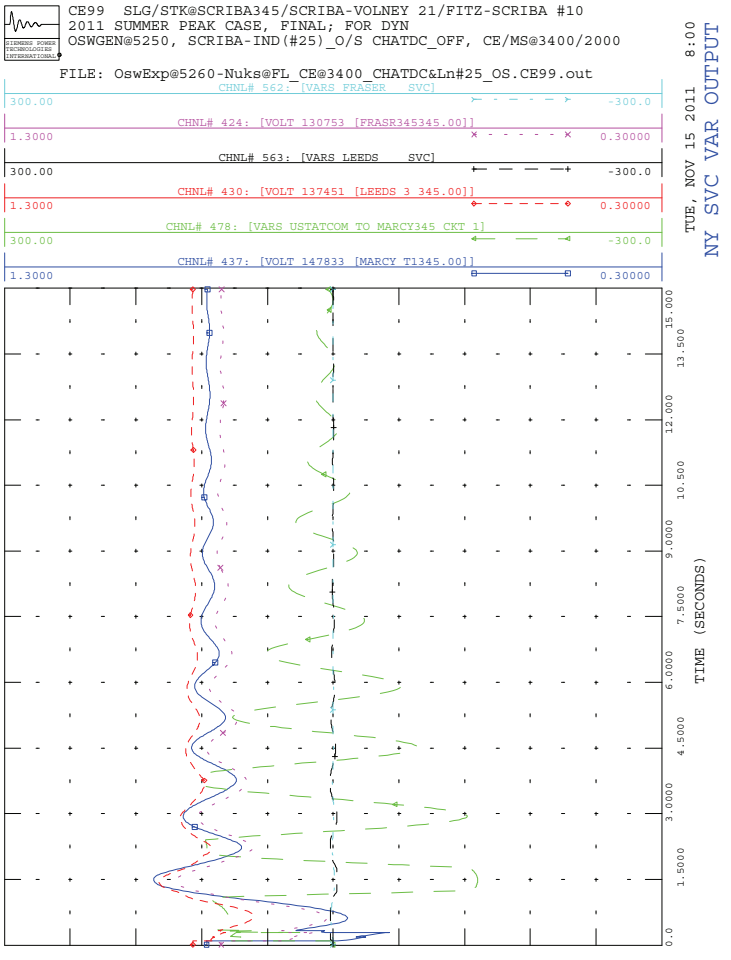
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE99.out

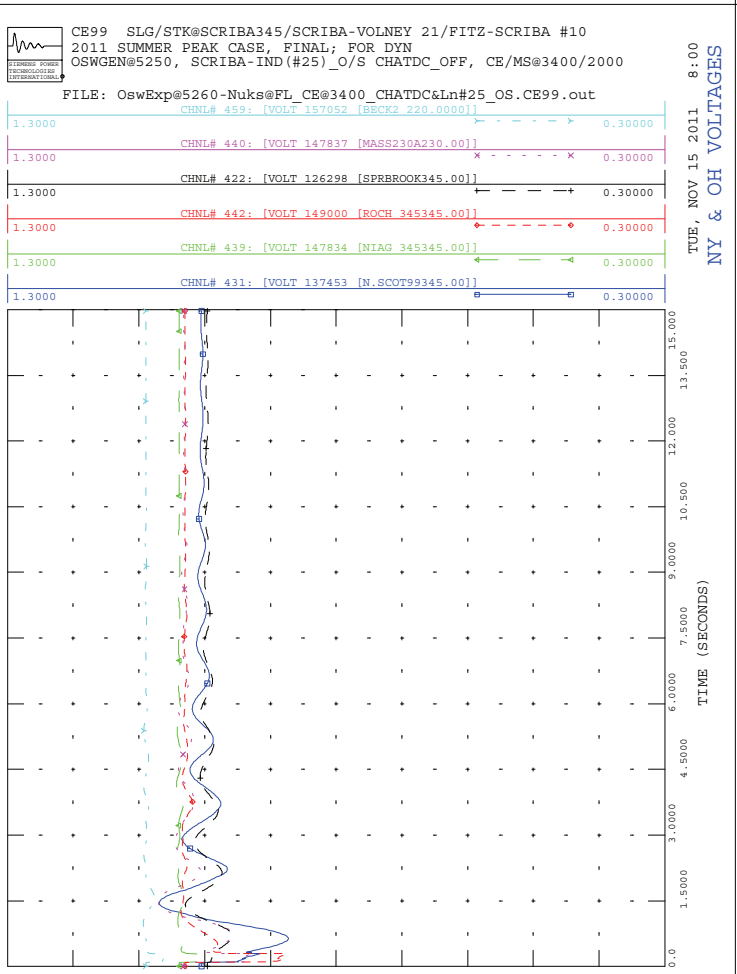


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE99.out

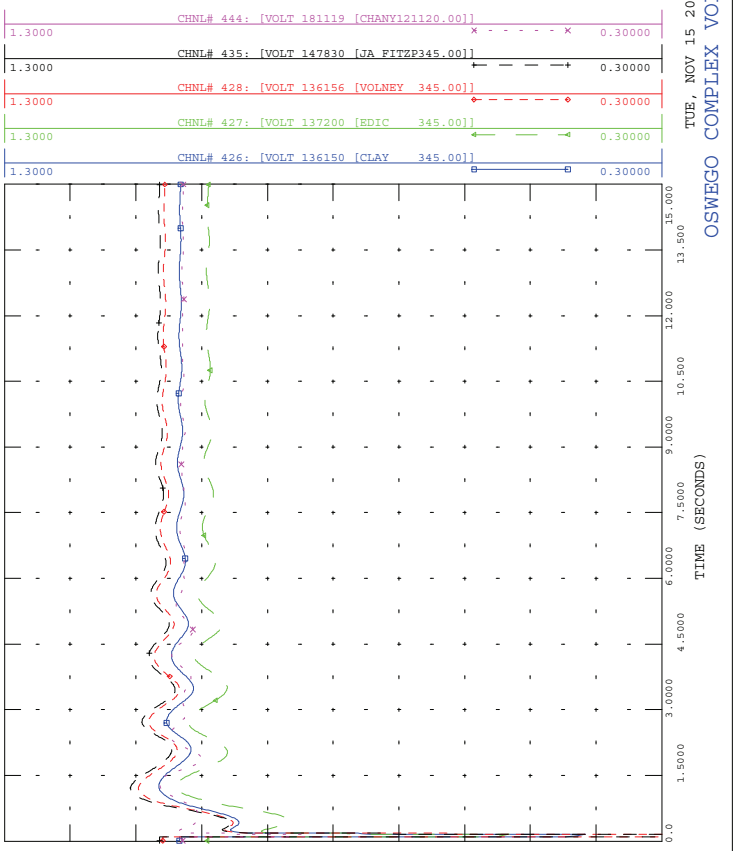



CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
TUE, NOV 15 2011 8:00
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
TUE, NOV 15 2011 8:00
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

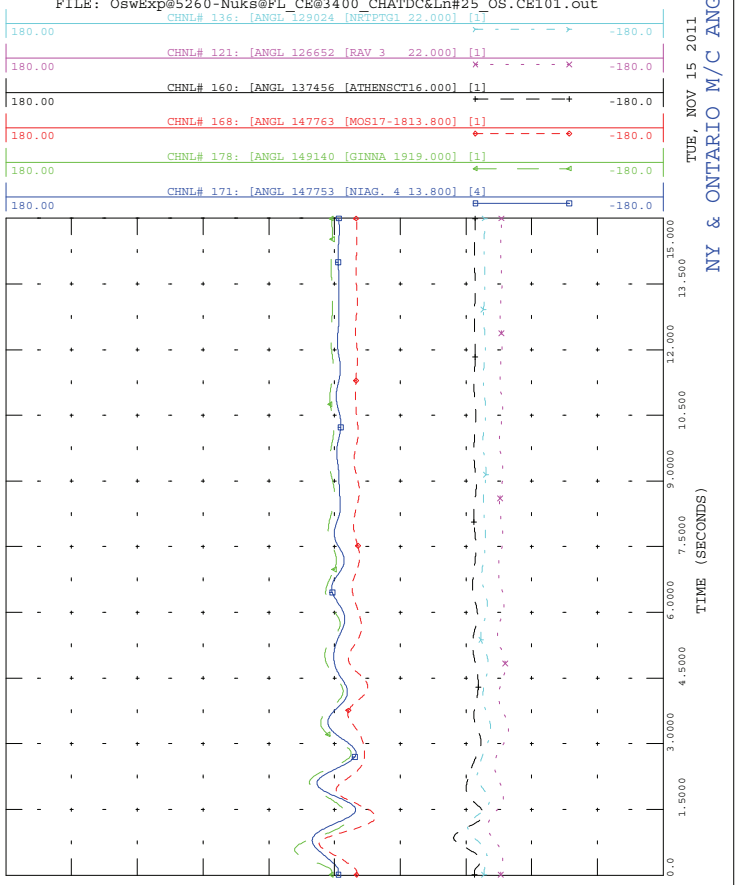
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE101.out



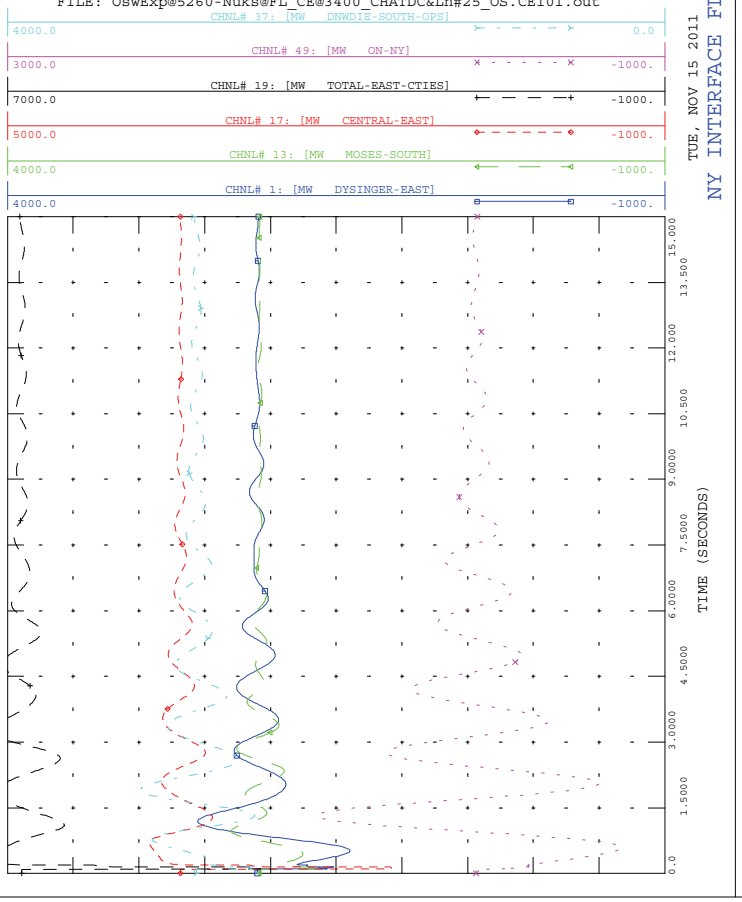
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE101.out



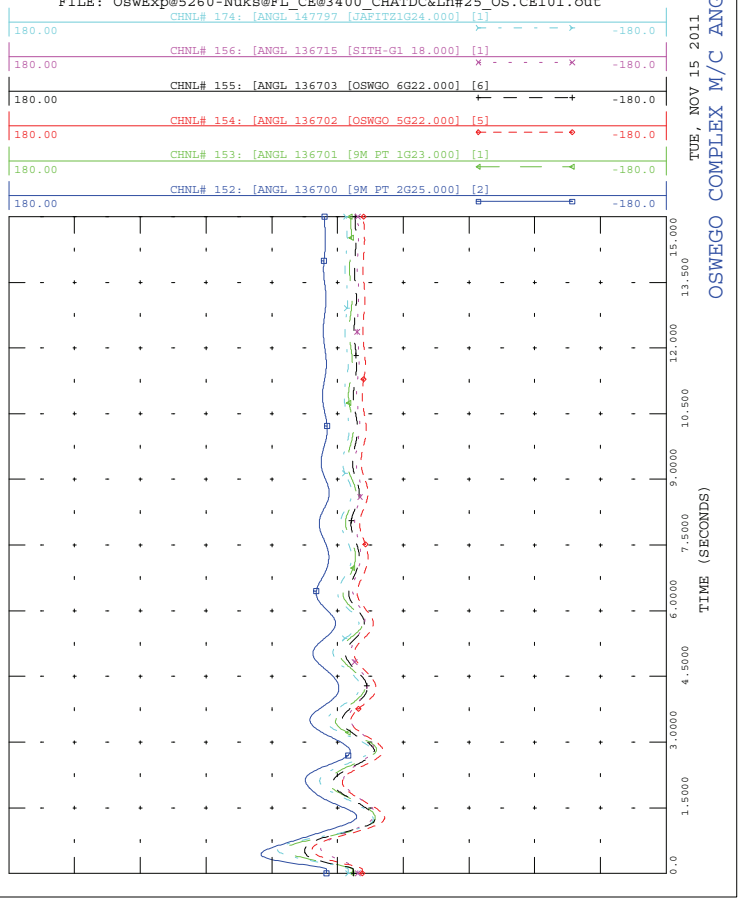
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE101.out



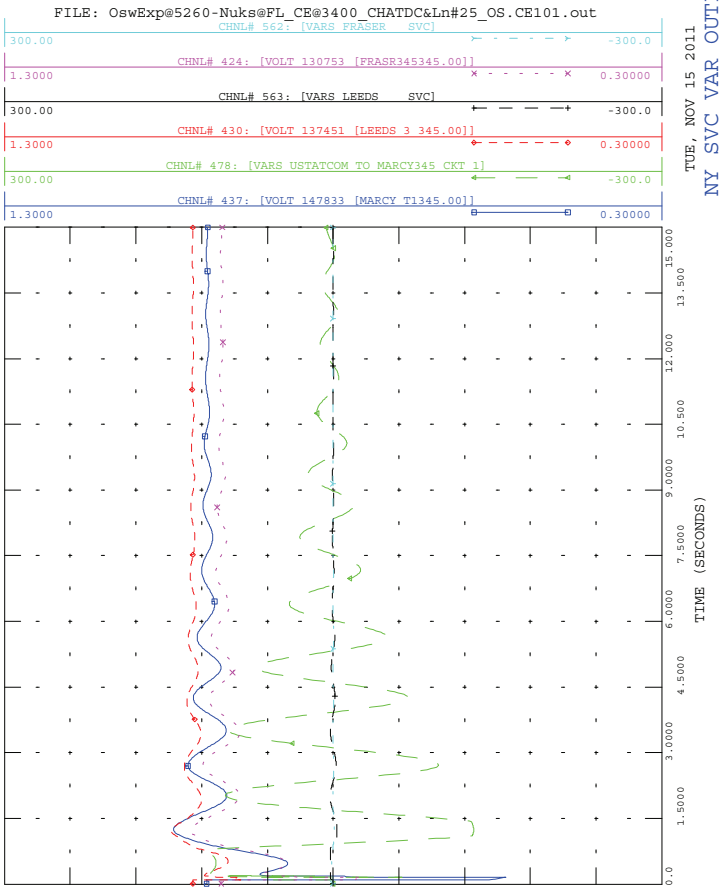
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE101.out

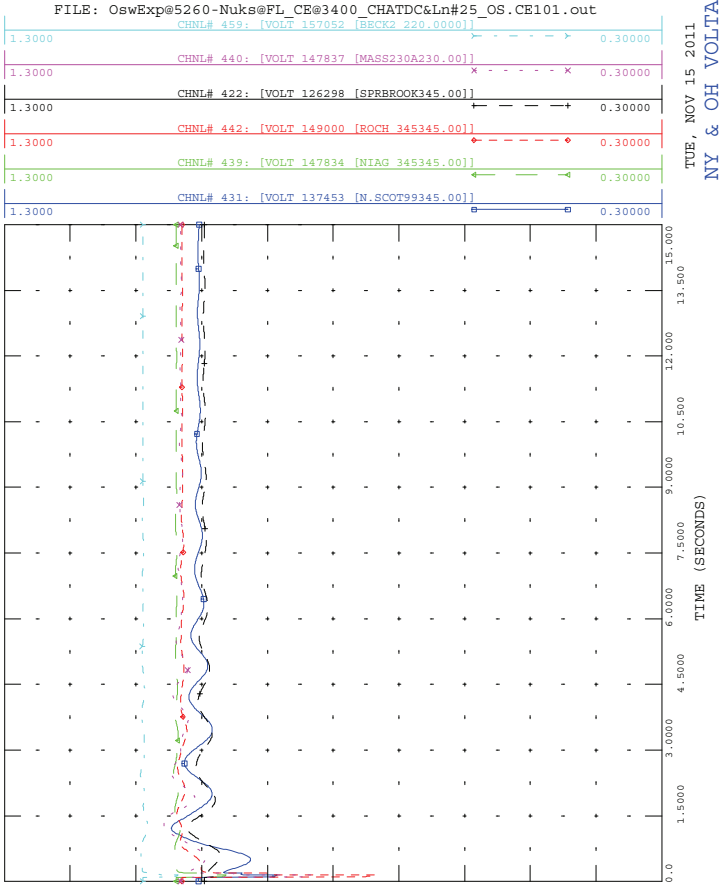


TUE, NOV 15 2011 8:00

NY SVC VAR OUTPUT

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.CE101.out

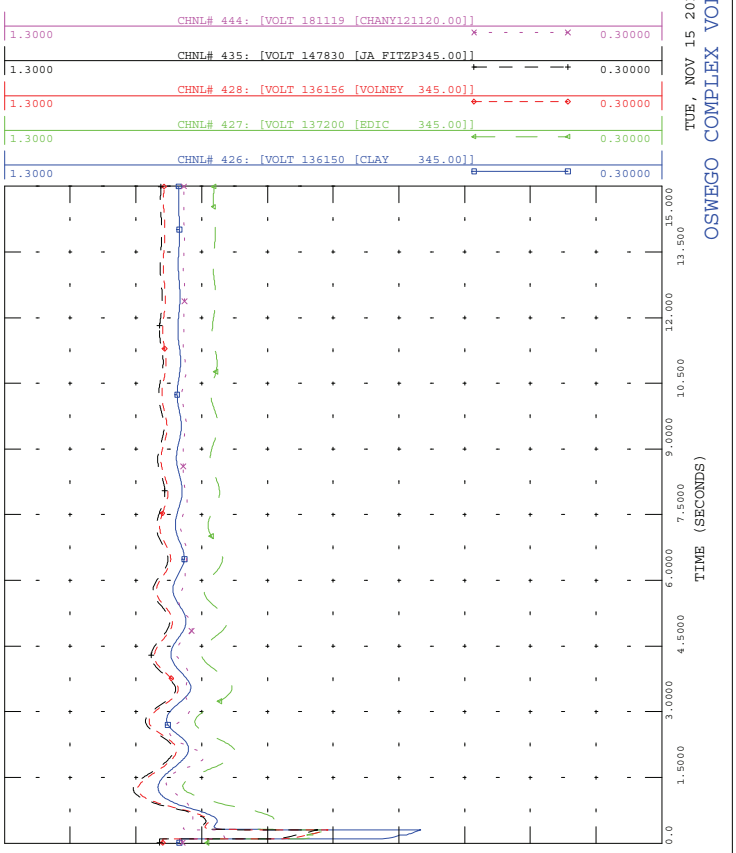


TUE, NOV 15 2011 8:00

NY & OH VOLTAGES

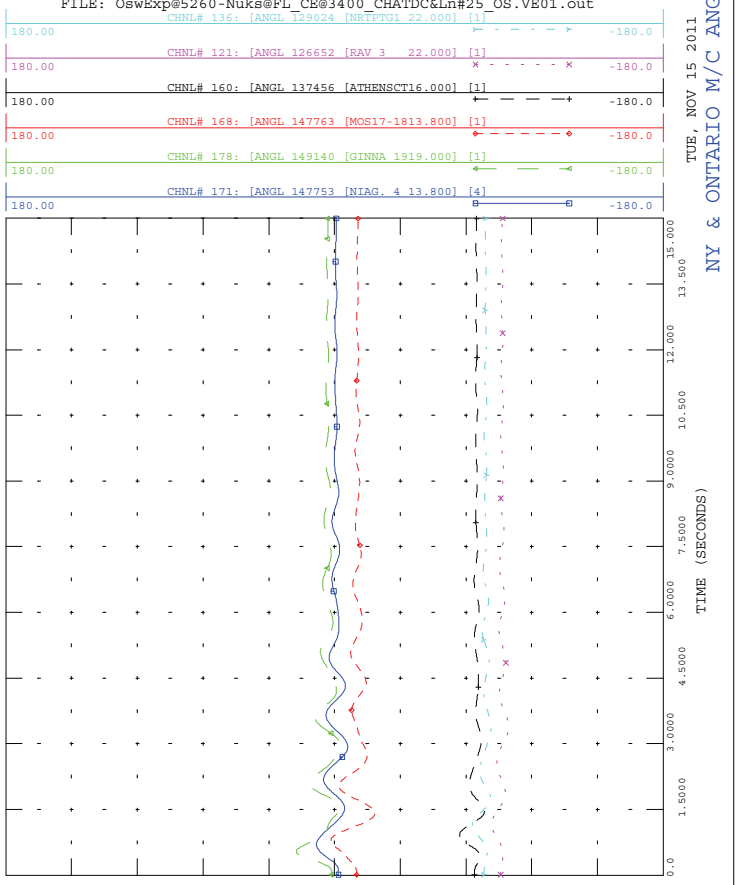
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.VE01.out



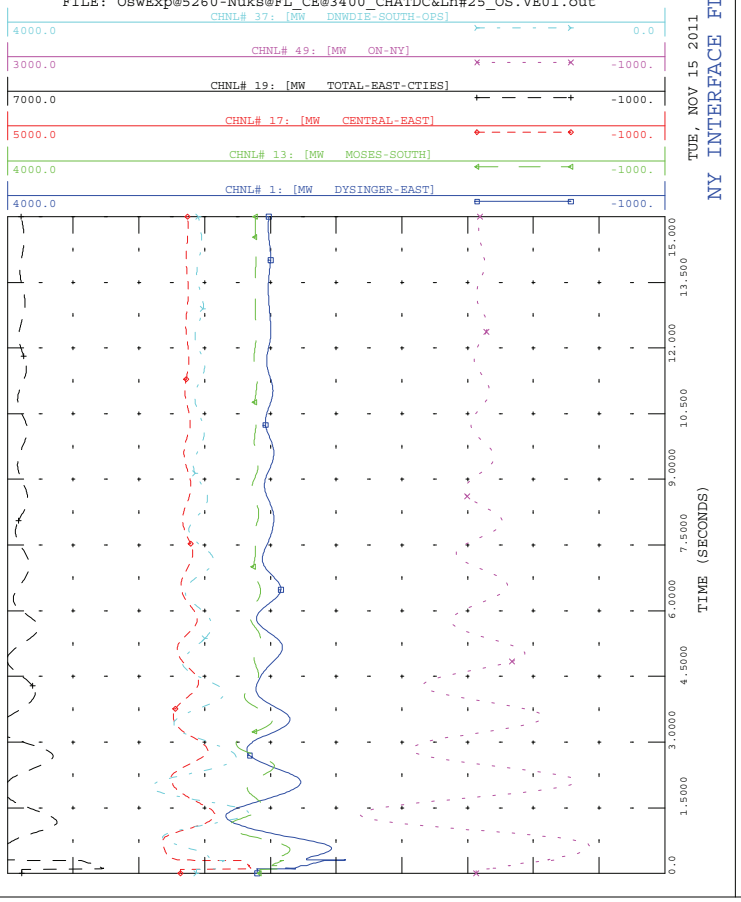
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.VE01.out



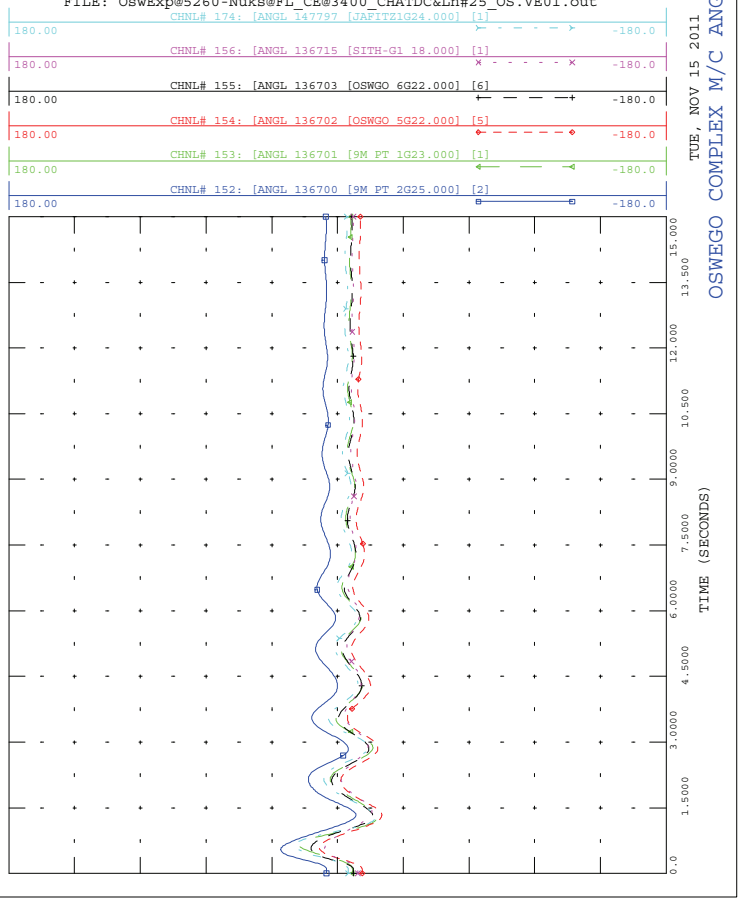
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.VE01.out



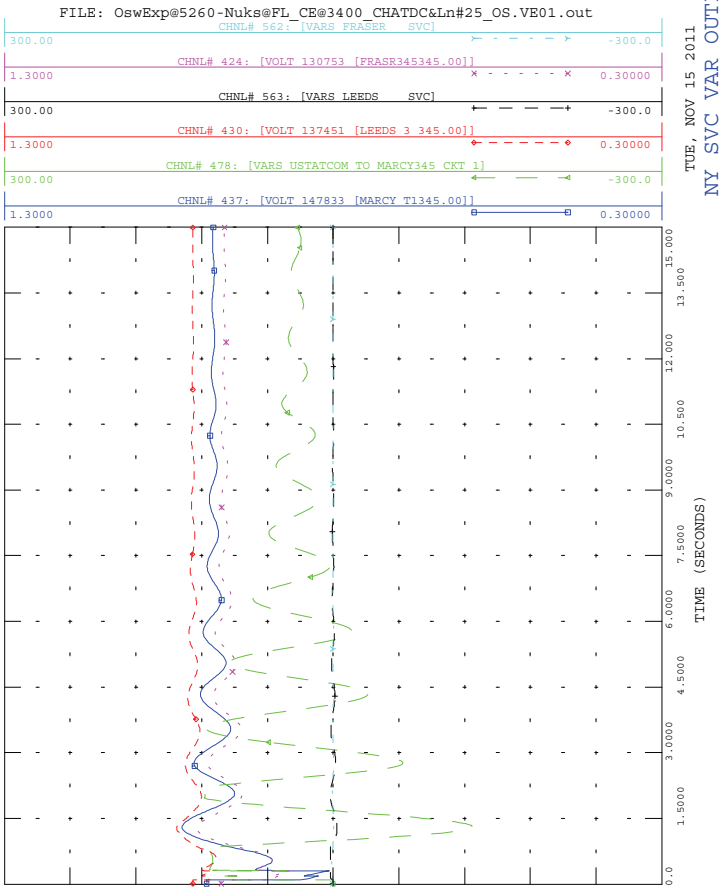
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.VE01.out

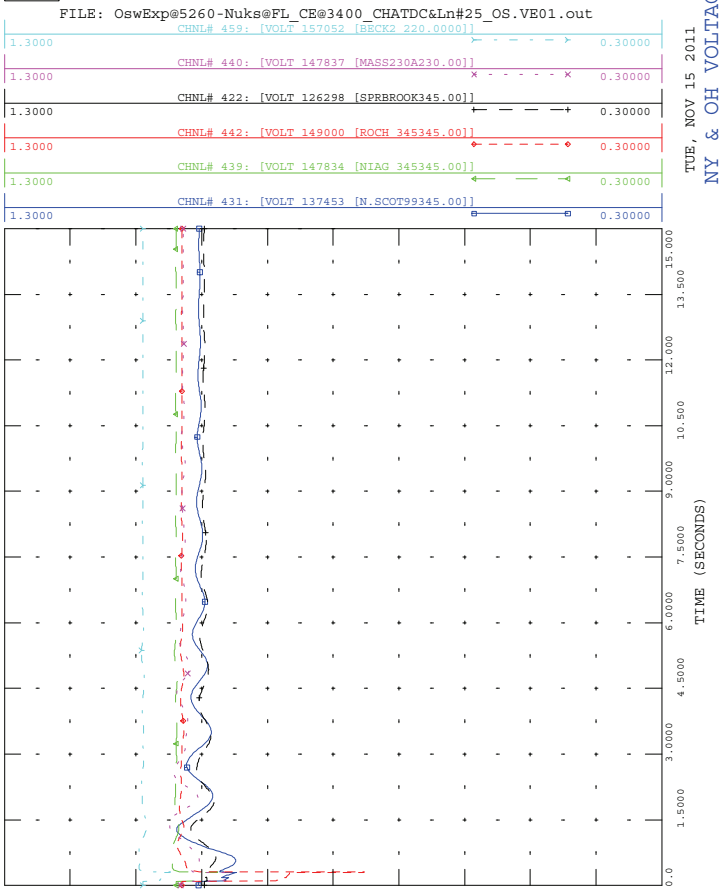


TUE, NOV 15 2011 8:00

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, SCRIBA-IND(#25)_O/S CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#25_OS.VE01.out



TUE, NOV 15 2011 8:00

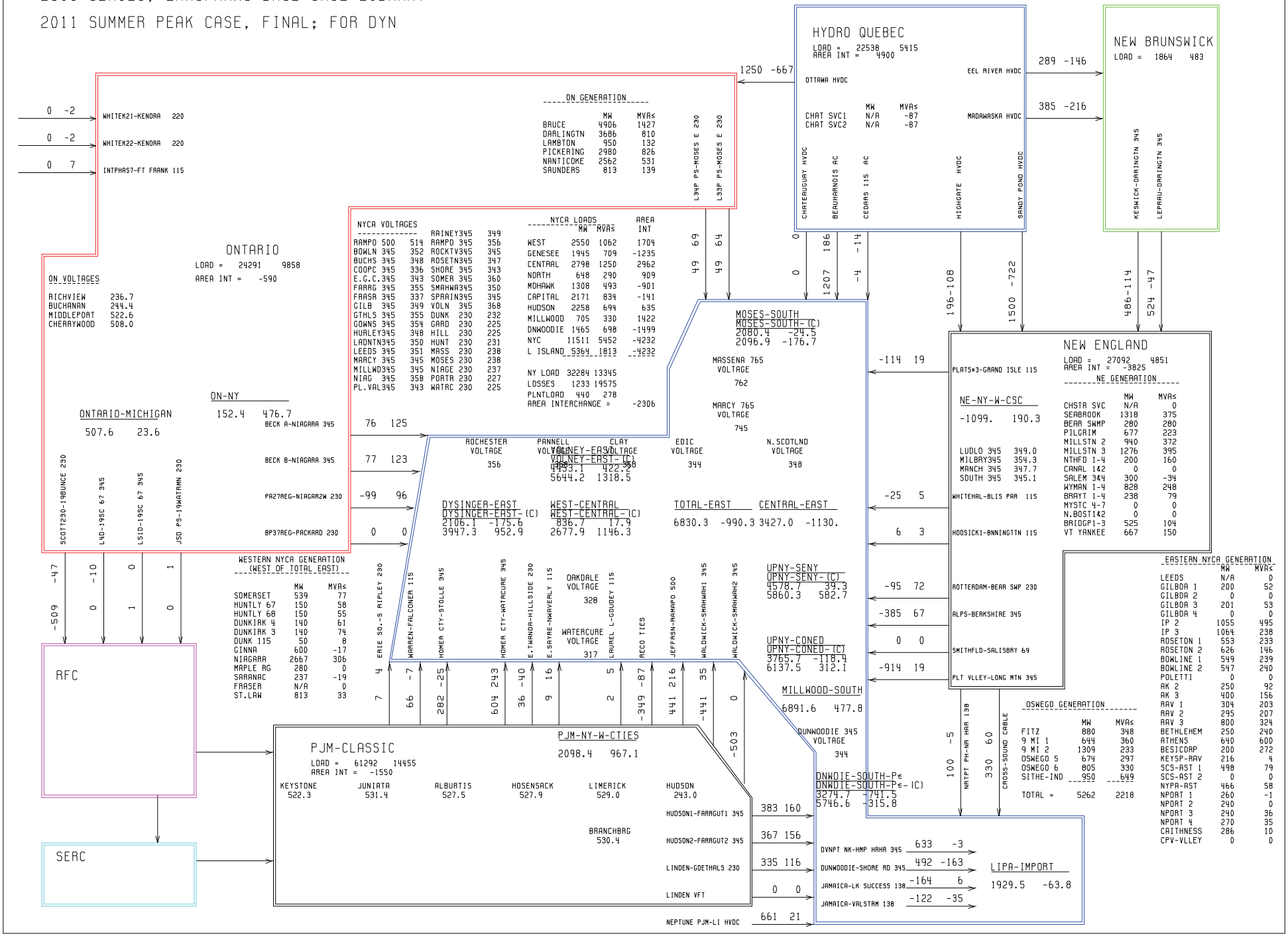
NY & OH VOLTAGES

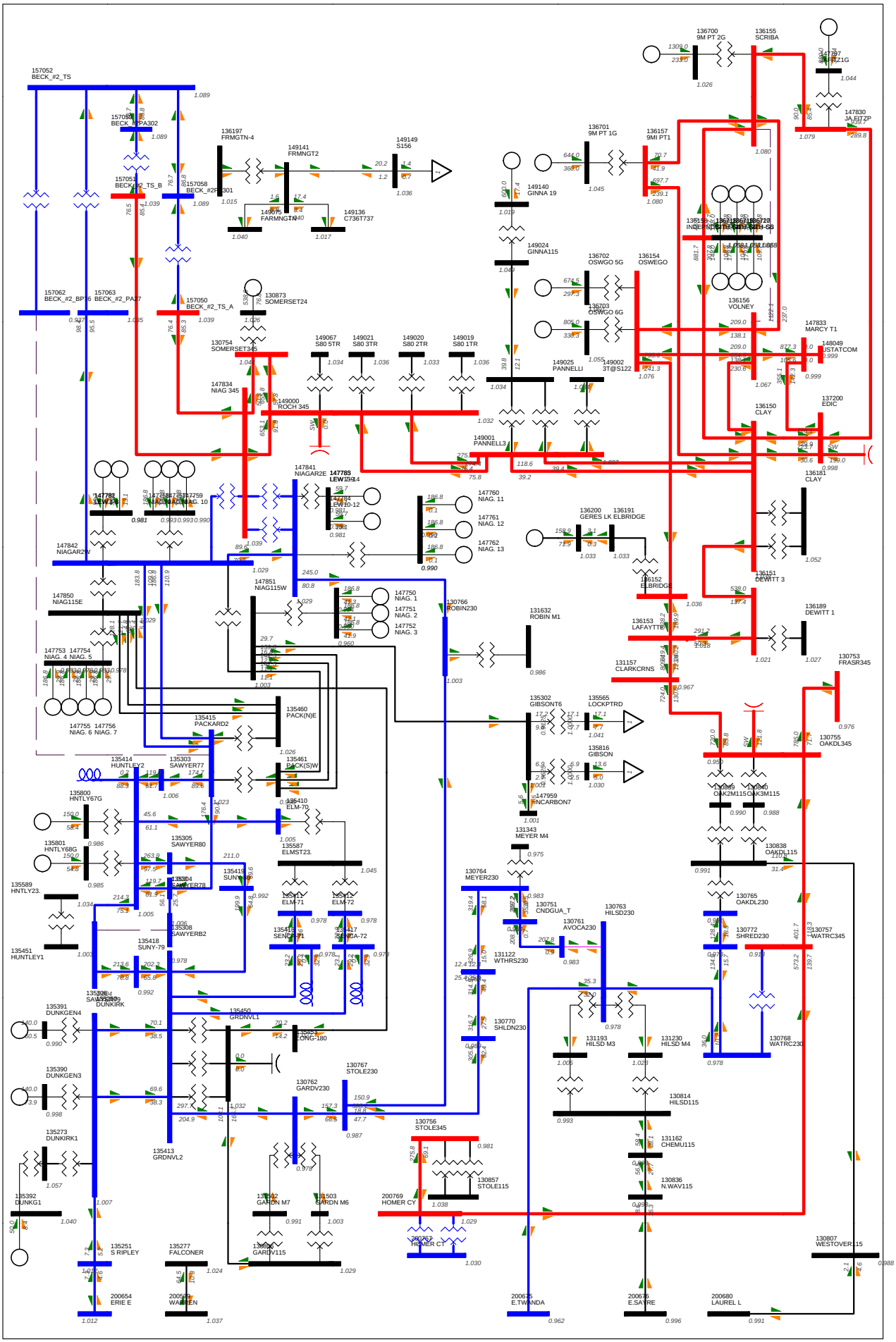
APPENDIX K: Oswego Export Limit – Scriba – Volney (#21) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
WED, NOV 16 2011 9:43

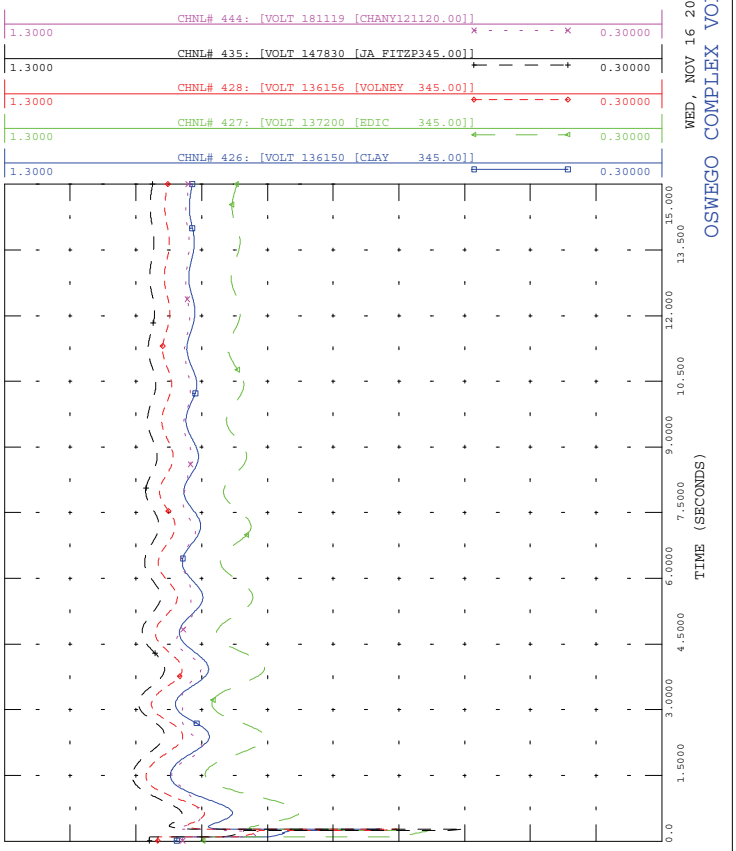
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE03.out

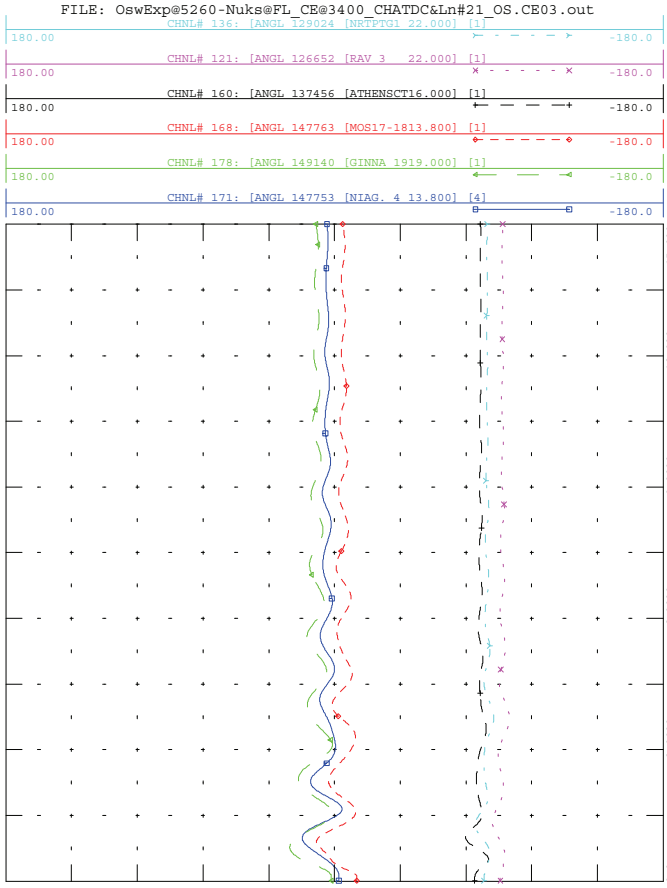


WED, NOV 16 2011 9:10

OSWEGO COMPLEX VOLTAGES

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE03.out

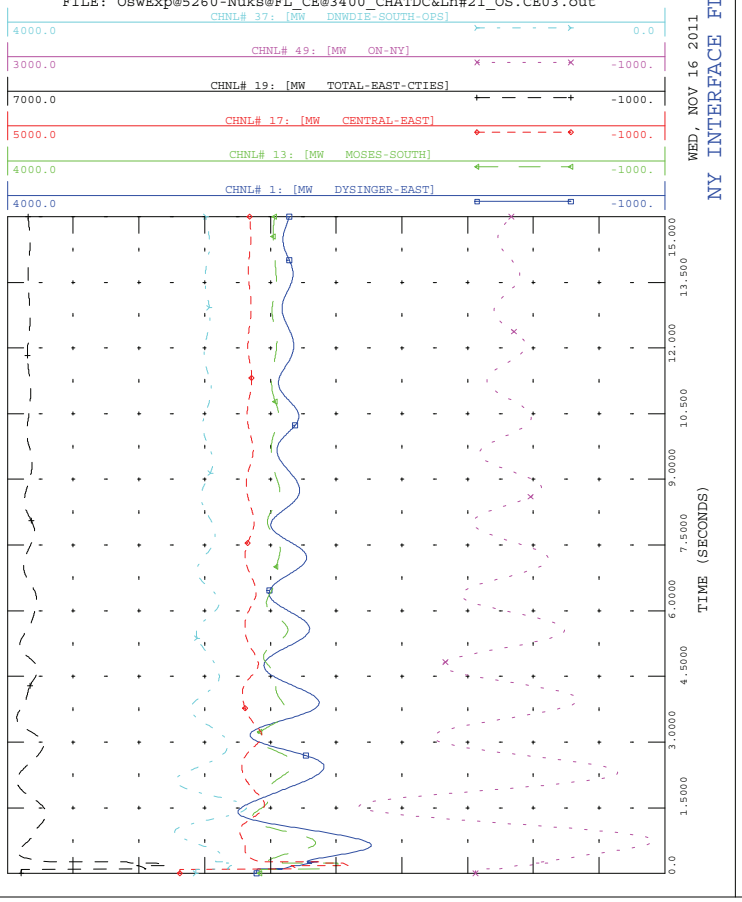


WED, NOV 16 2011 9:10

NY & ONTARIO M/C ANGLES

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE03.out

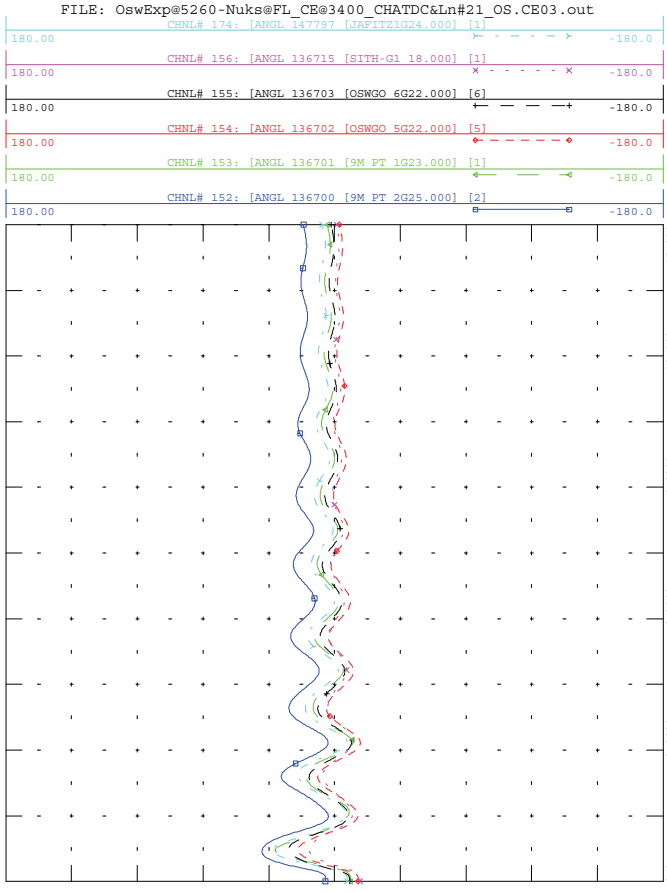


WED, NOV 16 2011 9:10

NY INTERFACE FLOWS

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE03.out

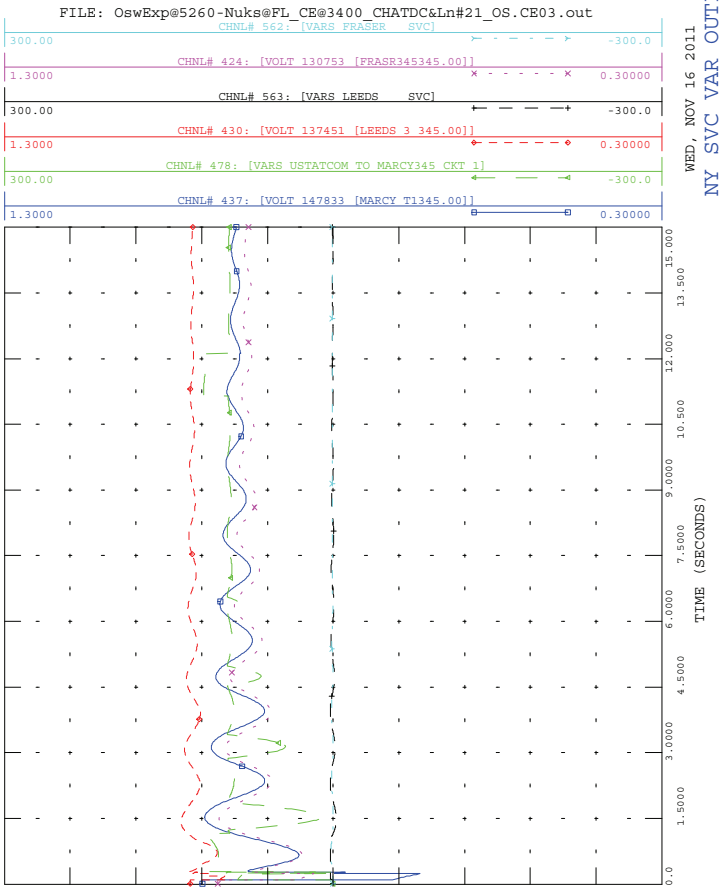


WED, NOV 16 2011 9:10

OSWEGO COMPLEX M/C ANGLES

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE03.out

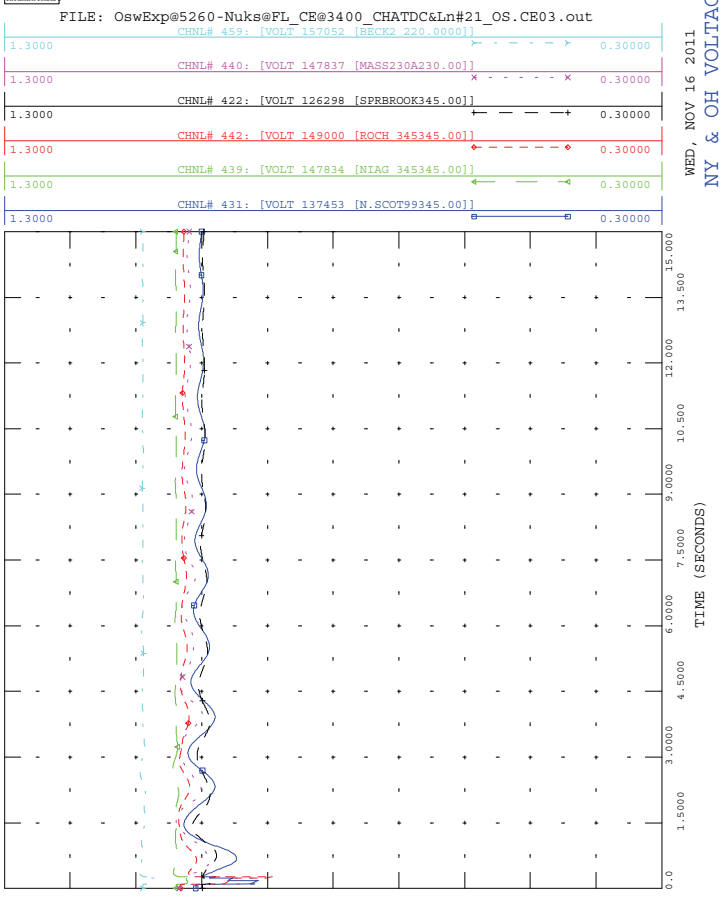


WED, NOV 16 2011 9:10

NY SVC VAR OUTPUT

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE03.out

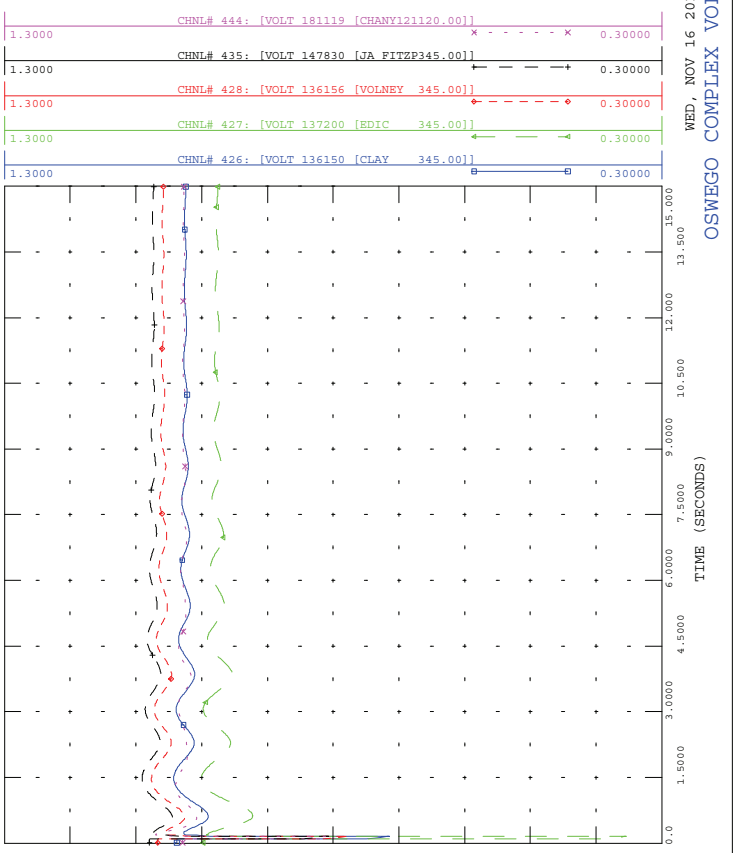


WED, NOV 16 2011 9:10

NY & OH VOLTAGES

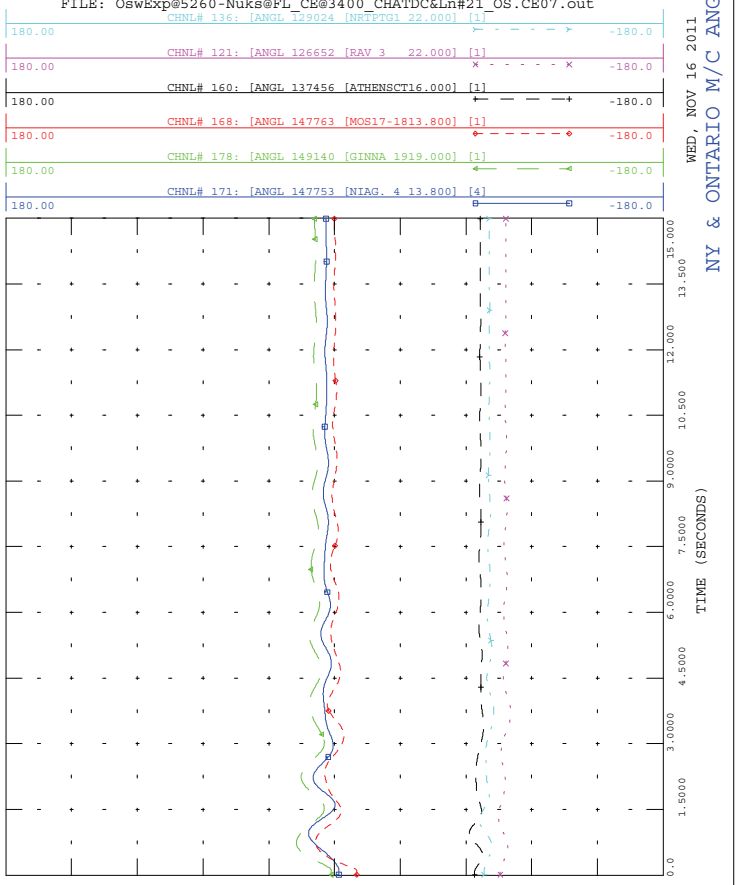
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE07.out



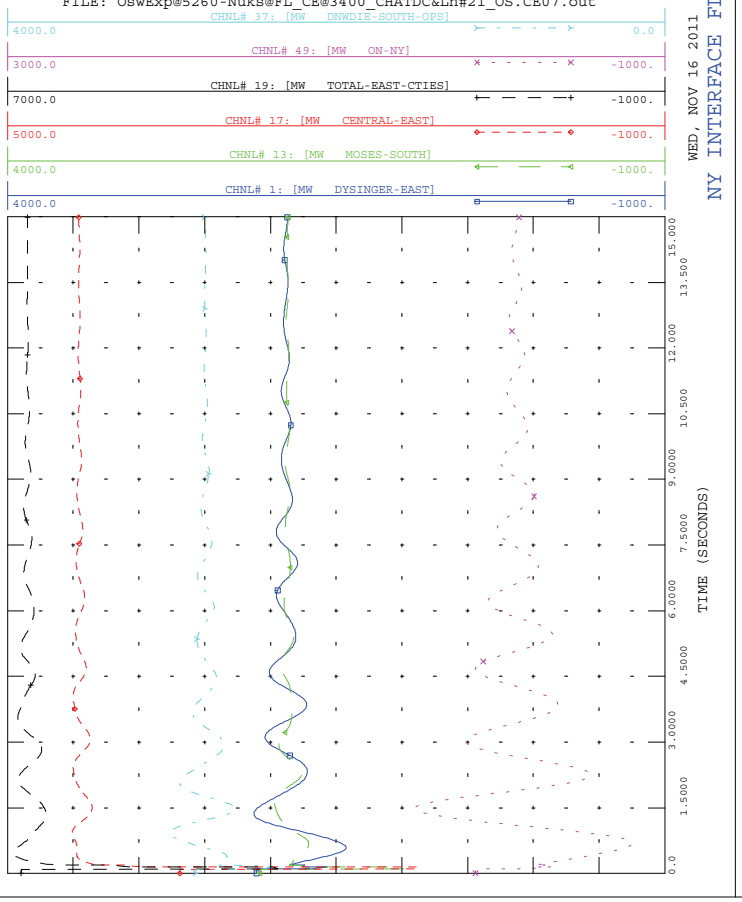
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE07.out



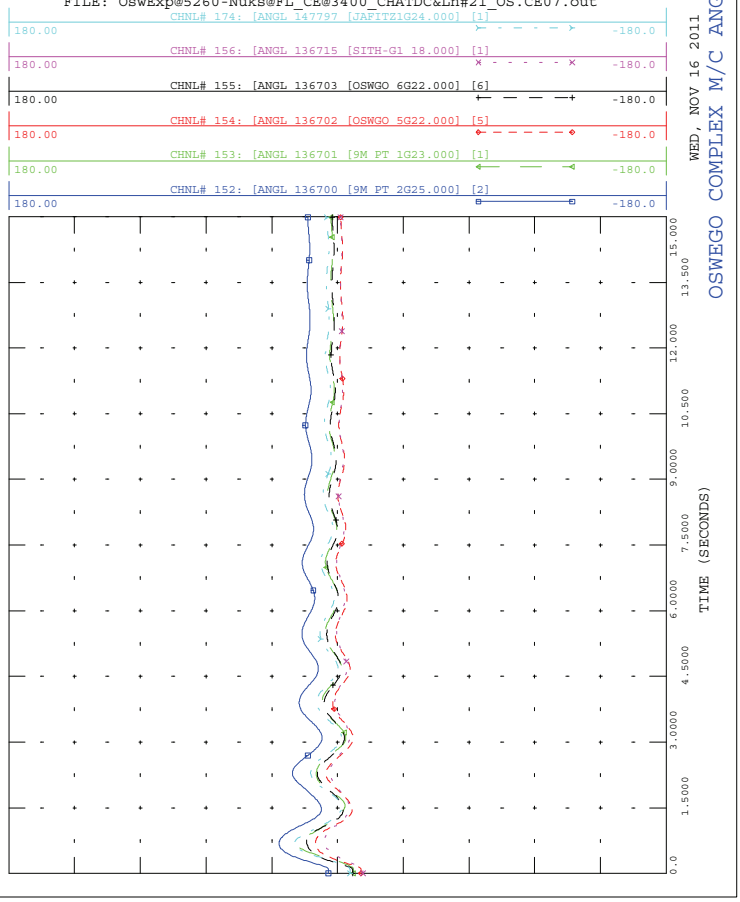
CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

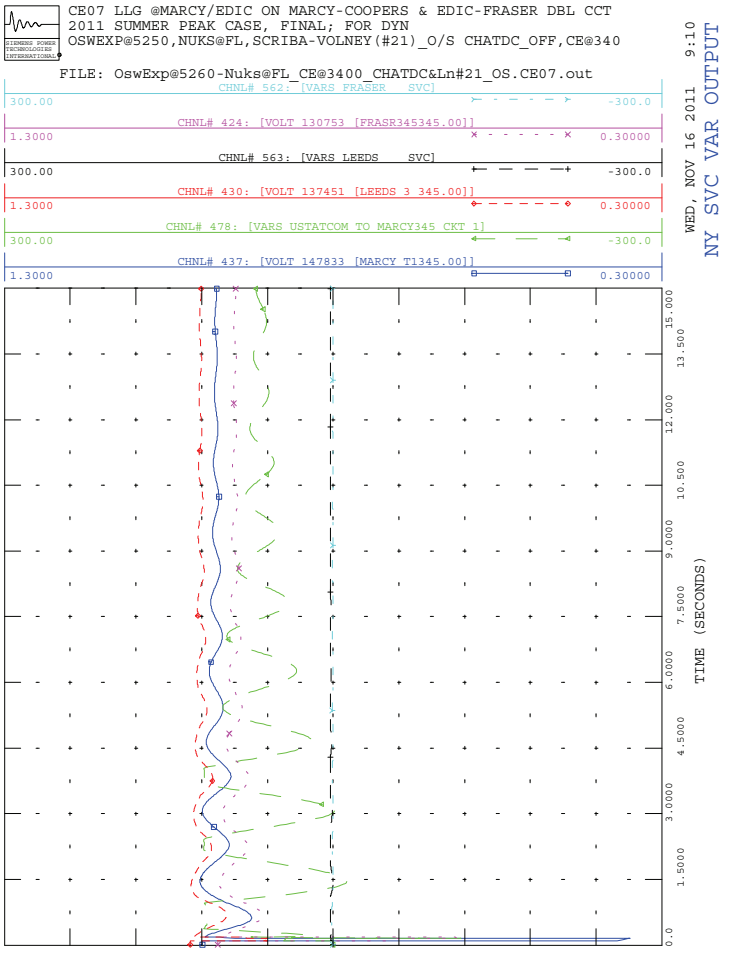
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE07.out

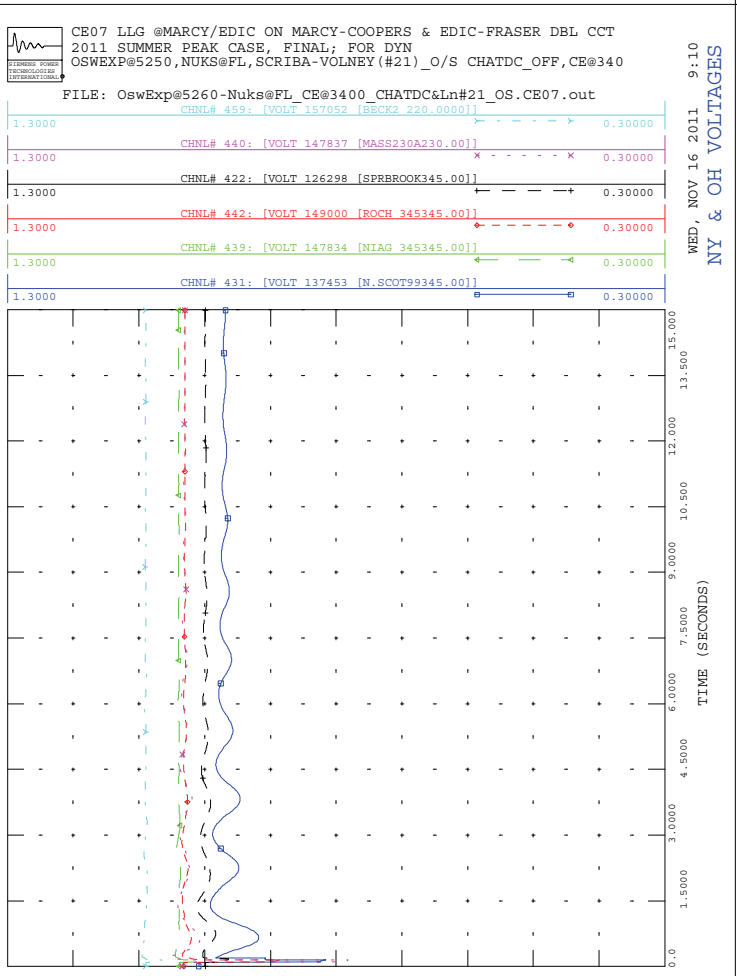


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE07.out

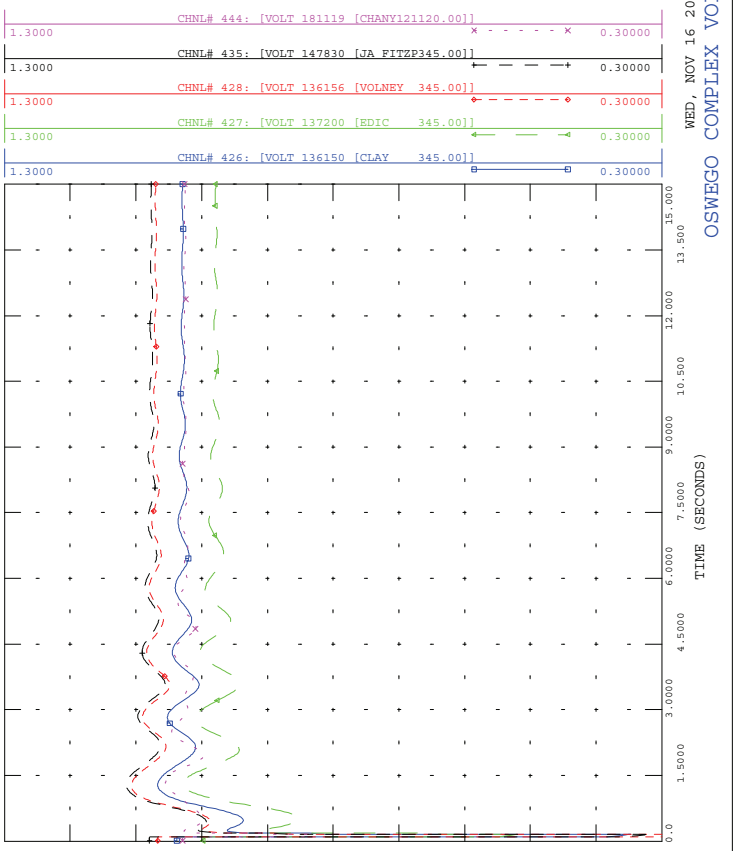



CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE07.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
WED, NOV 16 2011 9:10
NY SVC VAR OUTPUT


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE07.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
WED, NOV 16 2011 9:10
NY & OH VOLTAGES

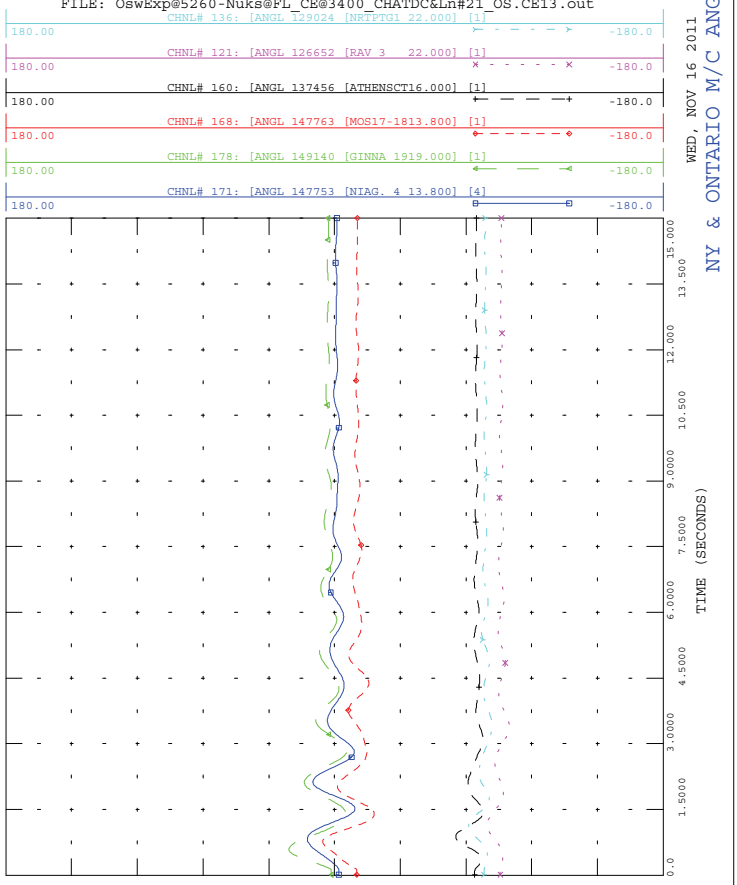
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE13.out



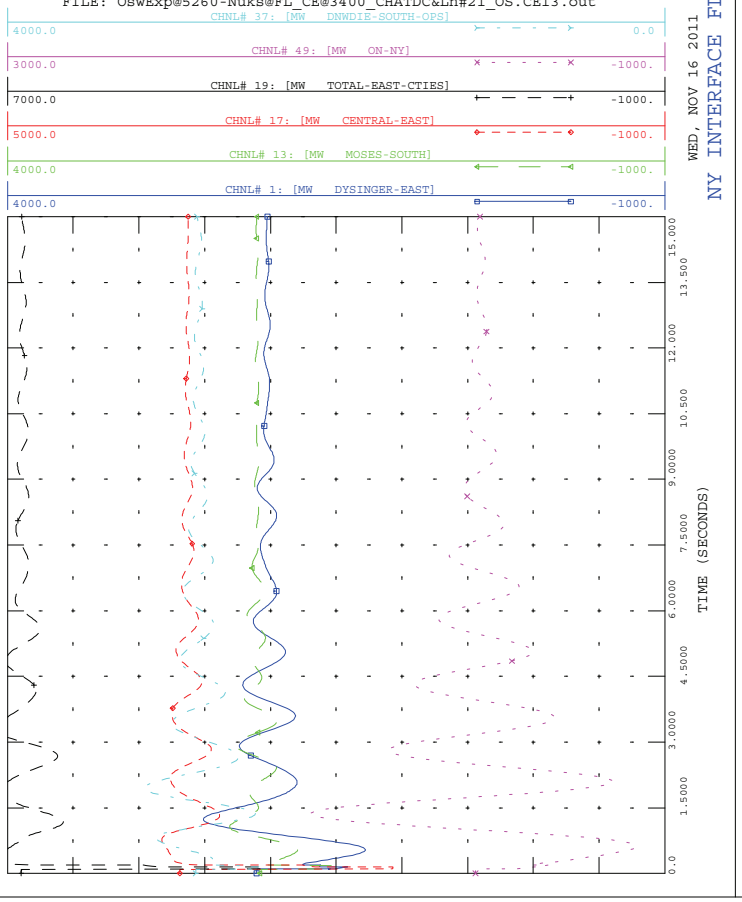
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE13.out



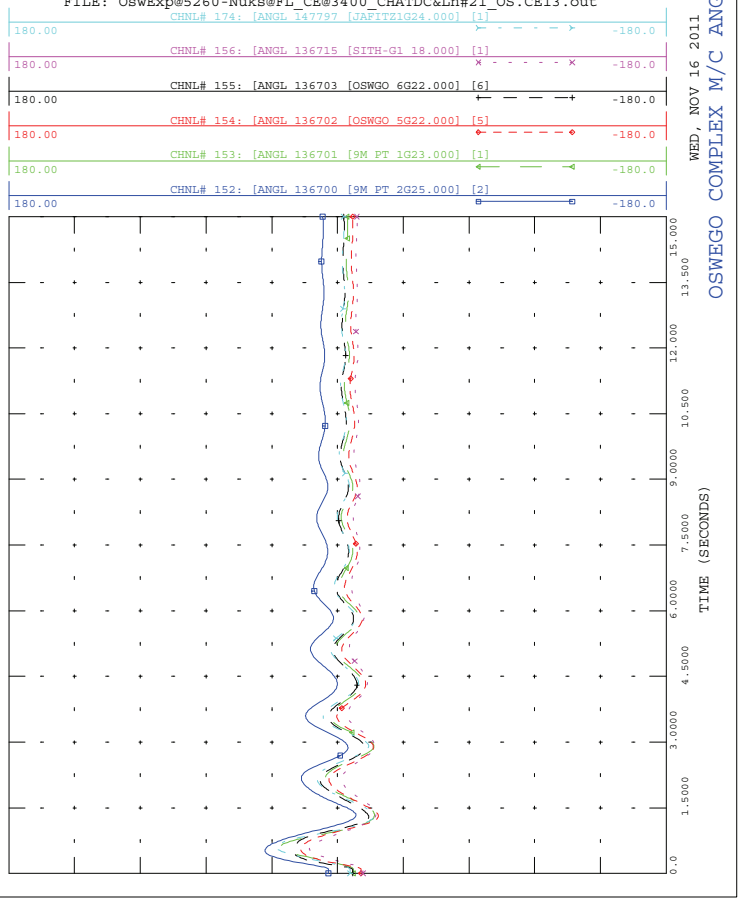
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE13.out



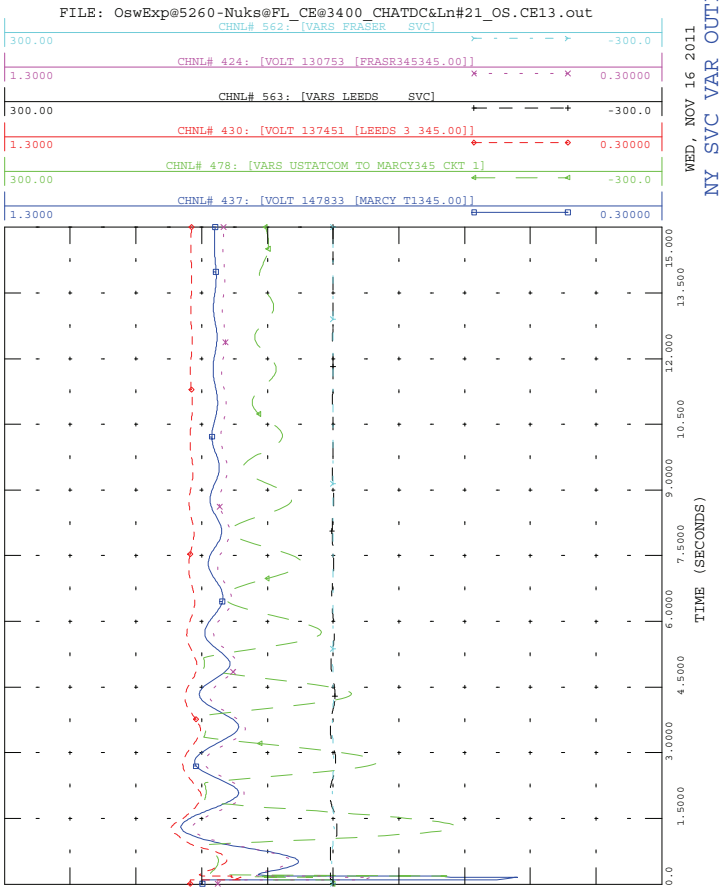
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE13.out



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE13.out

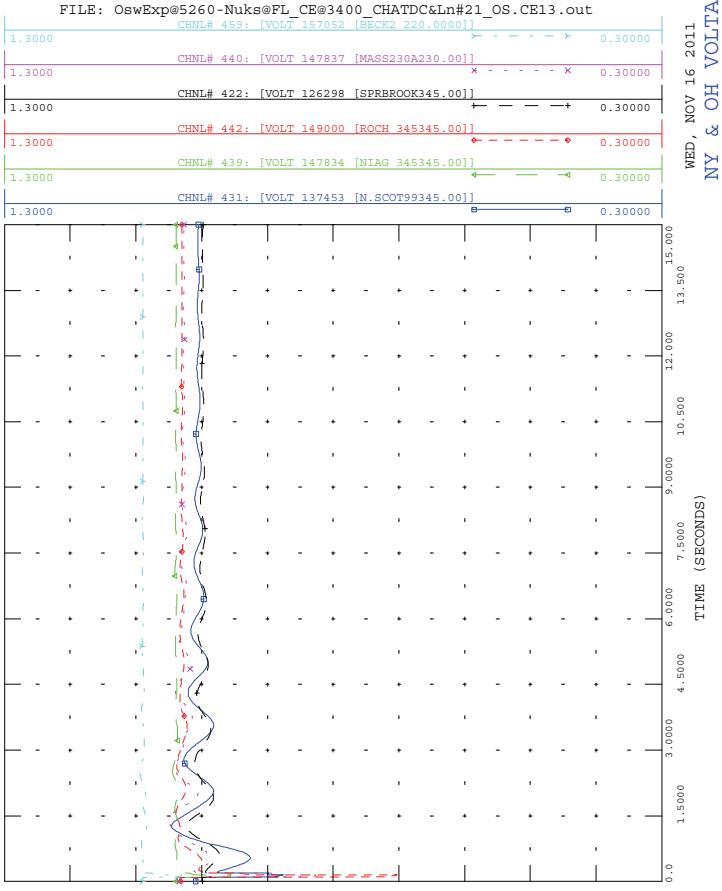


WED, NOV 16 2011 9:10

NY SVC VAR OUTPUT

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE13.out

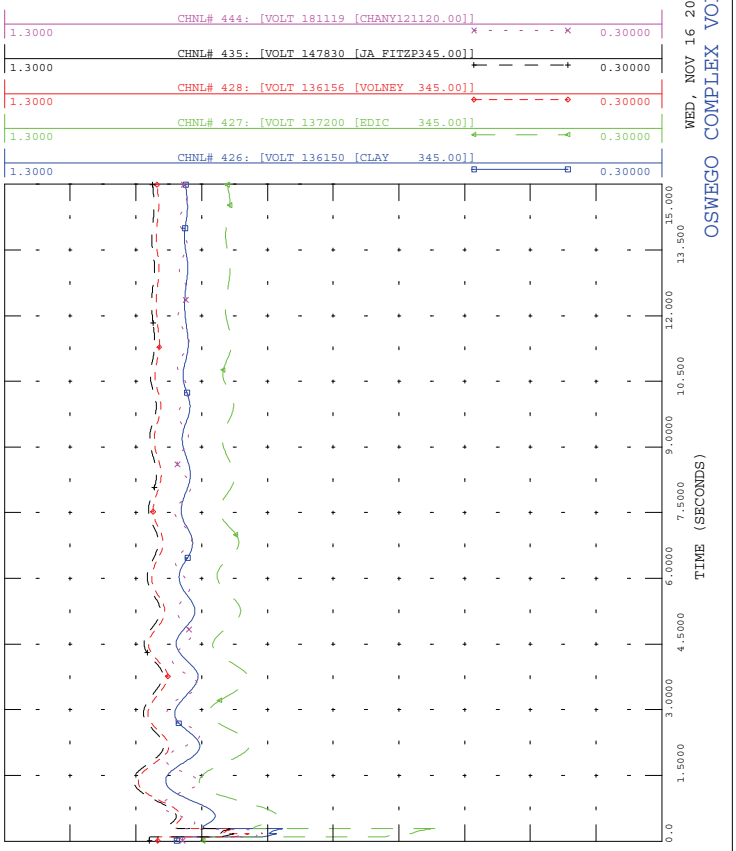


WED, NOV 16 2011 9:10

NY & OH VOLTAGES

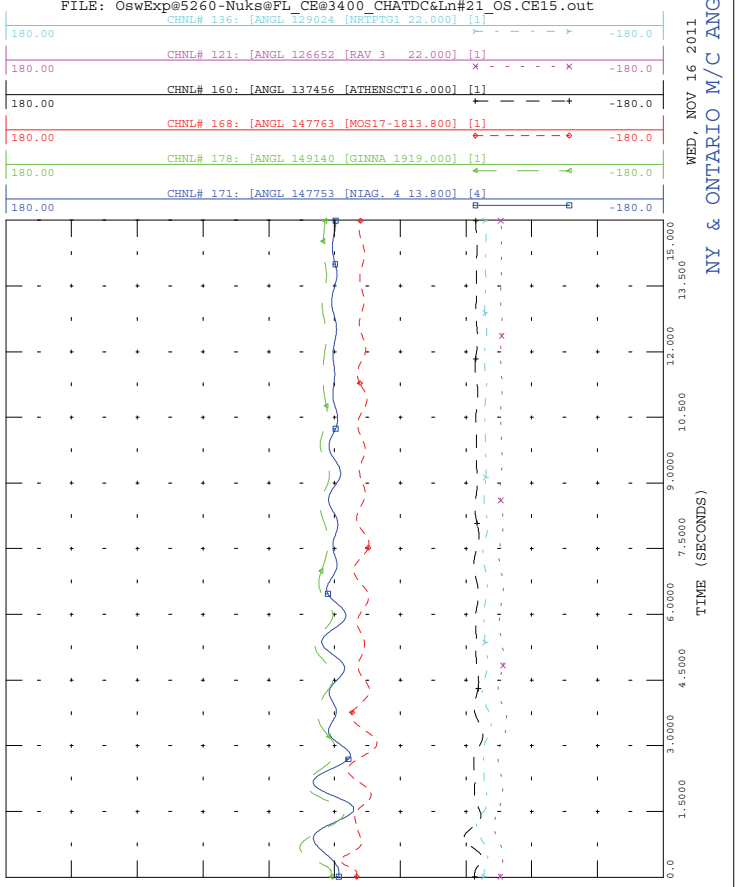
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE15.out



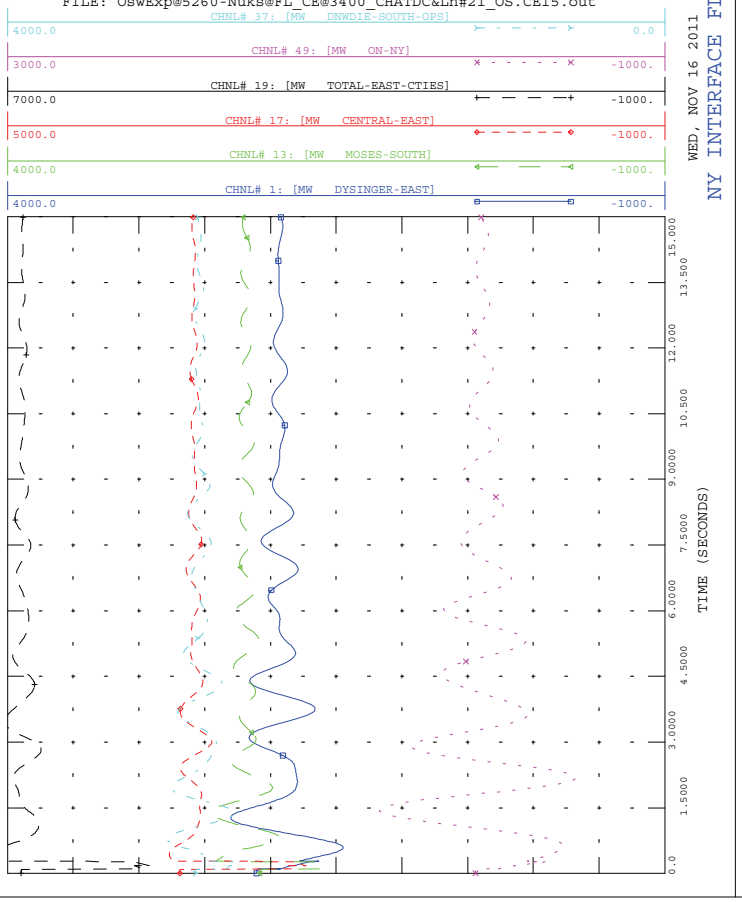
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE15.out



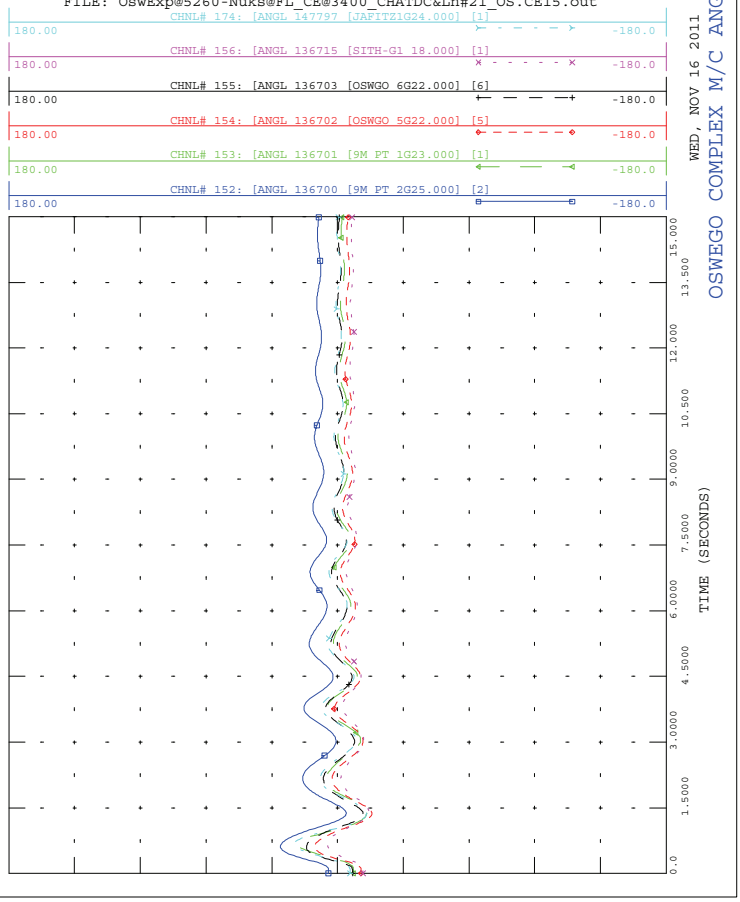
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

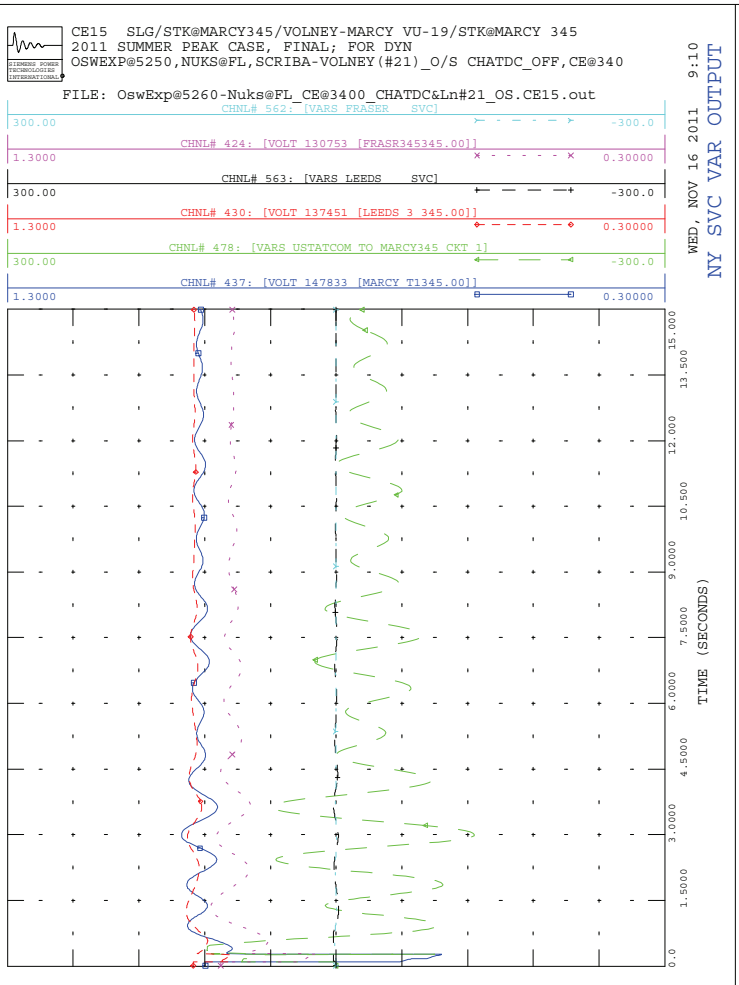
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE15.out



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE15.out




CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
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4.5000
6.0000
7.5000
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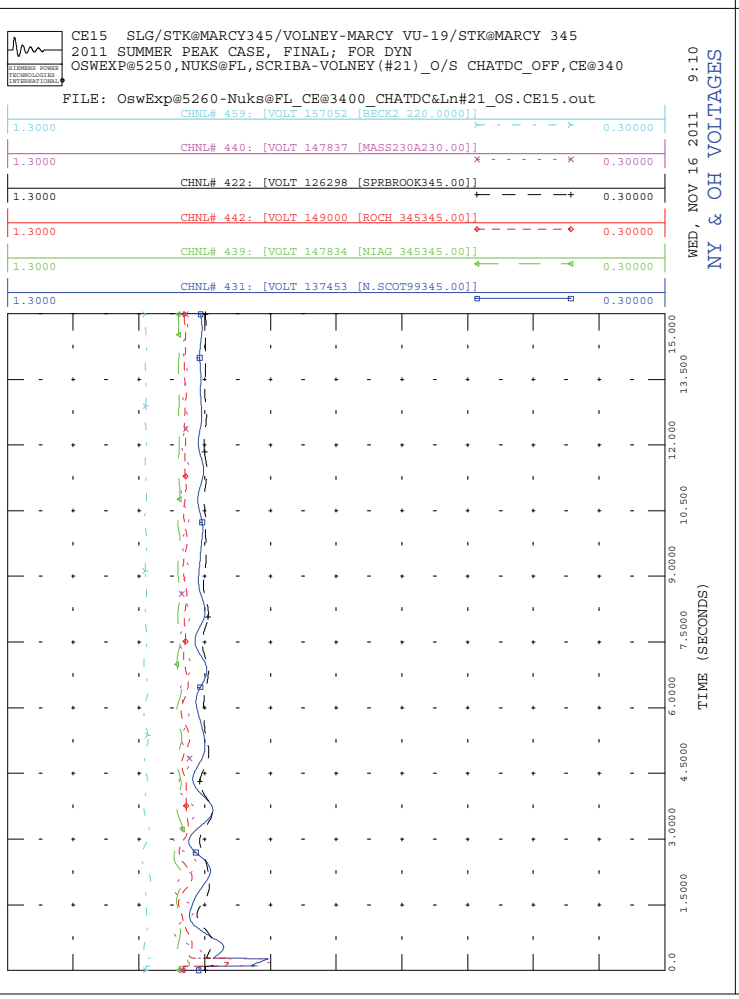
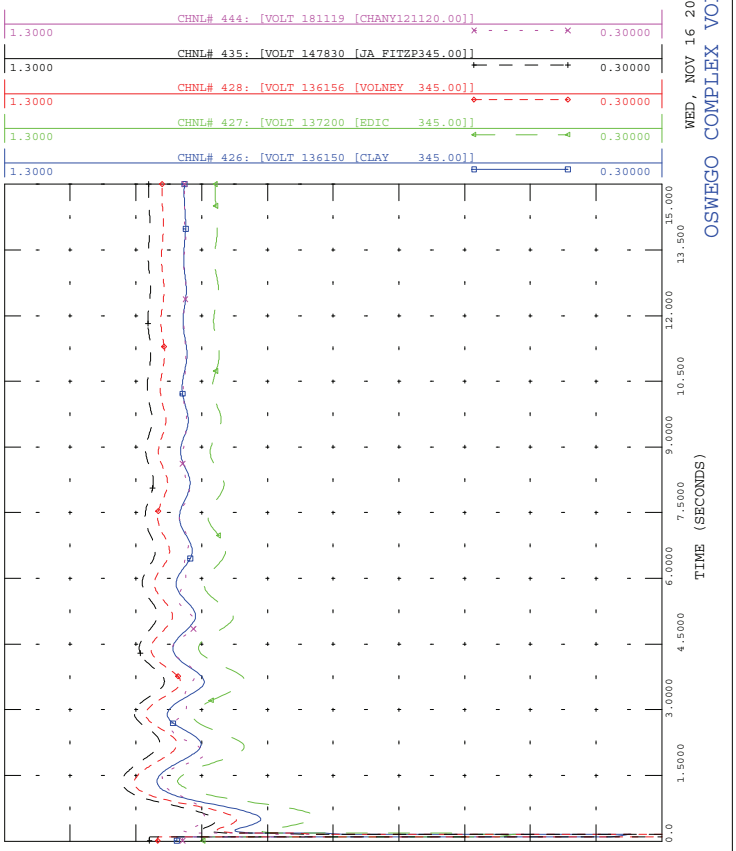
TIME (SECONDS)
WED, NOV 16 2011 9:10
NY SVC VAR OUTPUT


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
WED, NOV 16 2011 9:10
NY & OH VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

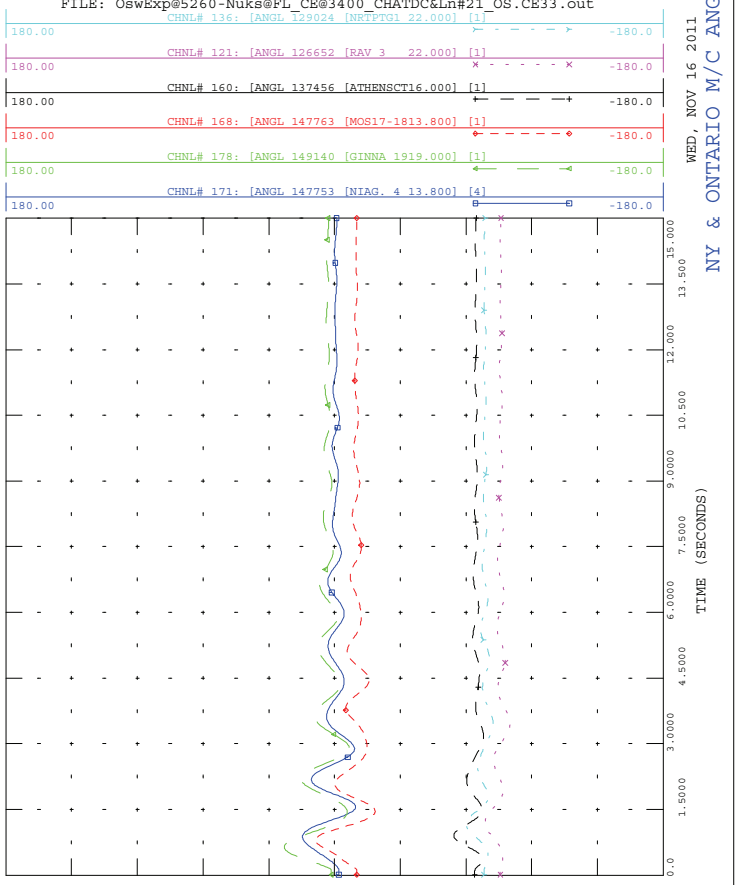
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE33.out



WED, NOV 16 2011 9:11
OSWEGO COMPLEX VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

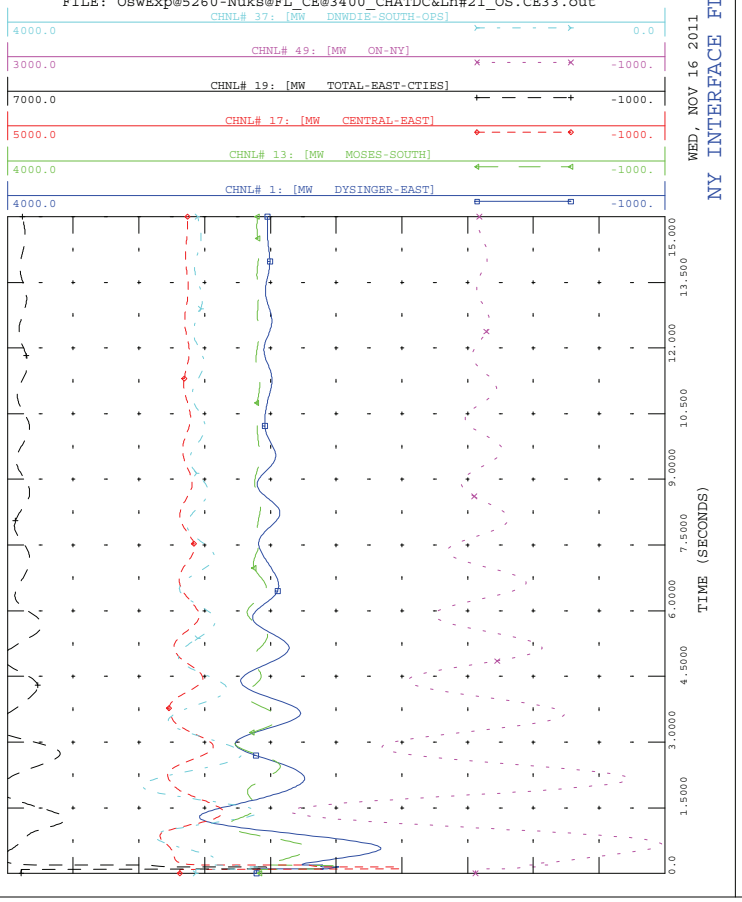
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE33.out



WED, NOV 16 2011 9:11
NY & ONTARIO M/C ANGLES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

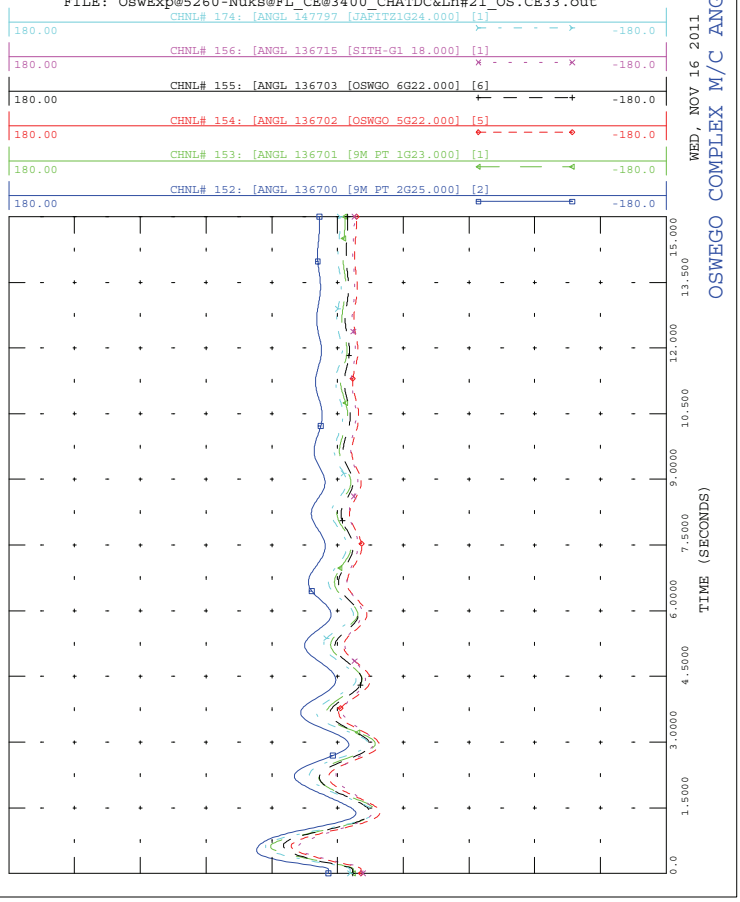
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE33.out



WED, NOV 16 2011 9:11
NY INTERFACE FLOWS

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

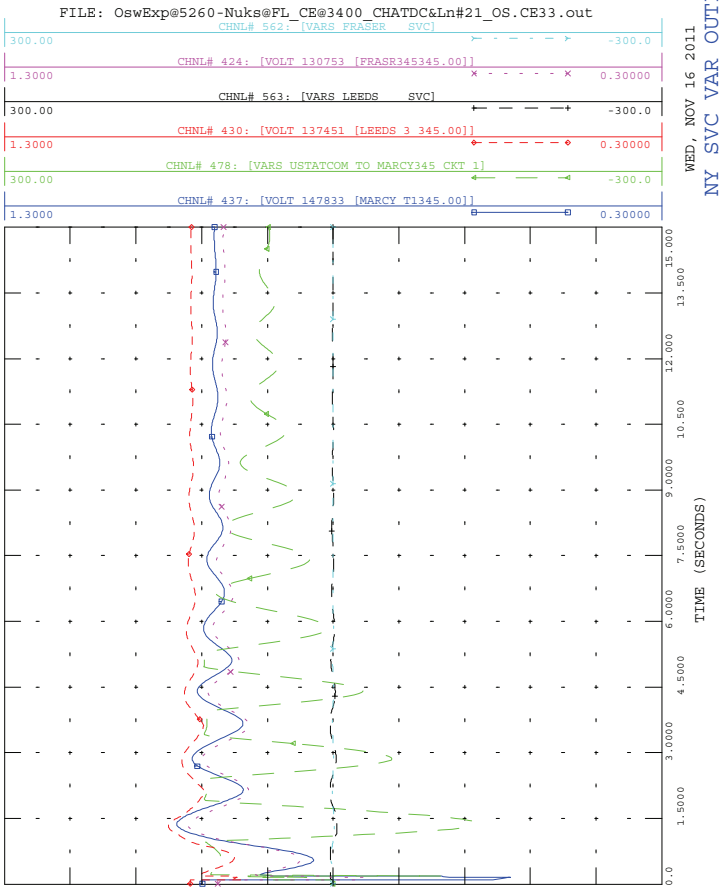
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE33.out



WED, NOV 16 2011 9:11
OSWEGO COMPLEX M/C ANGLES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE33.out

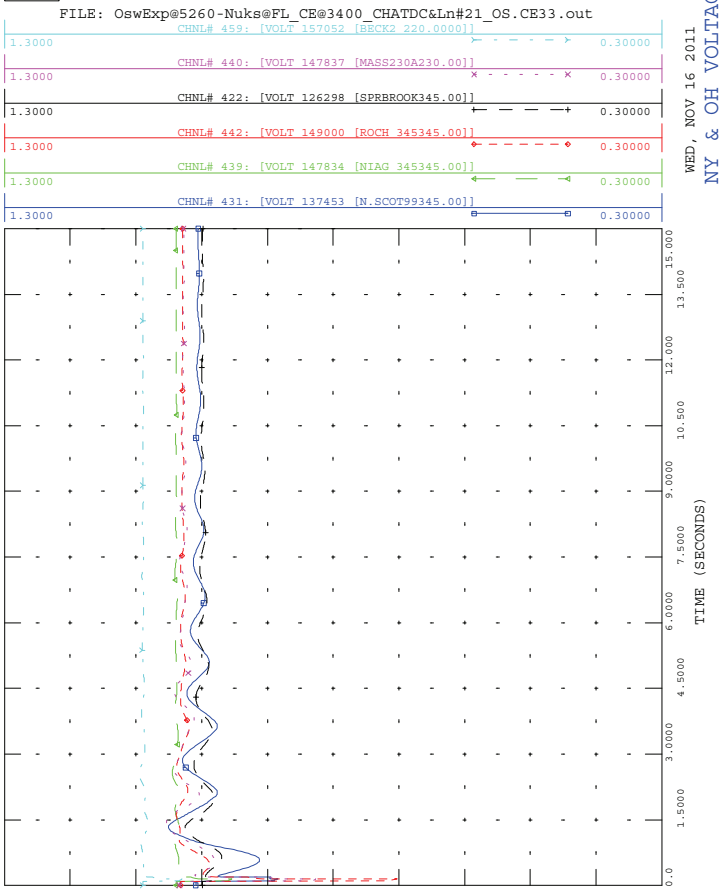


WED, NOV 16 2011 9:11

NY SVC VAR OUTPUT

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE33.out

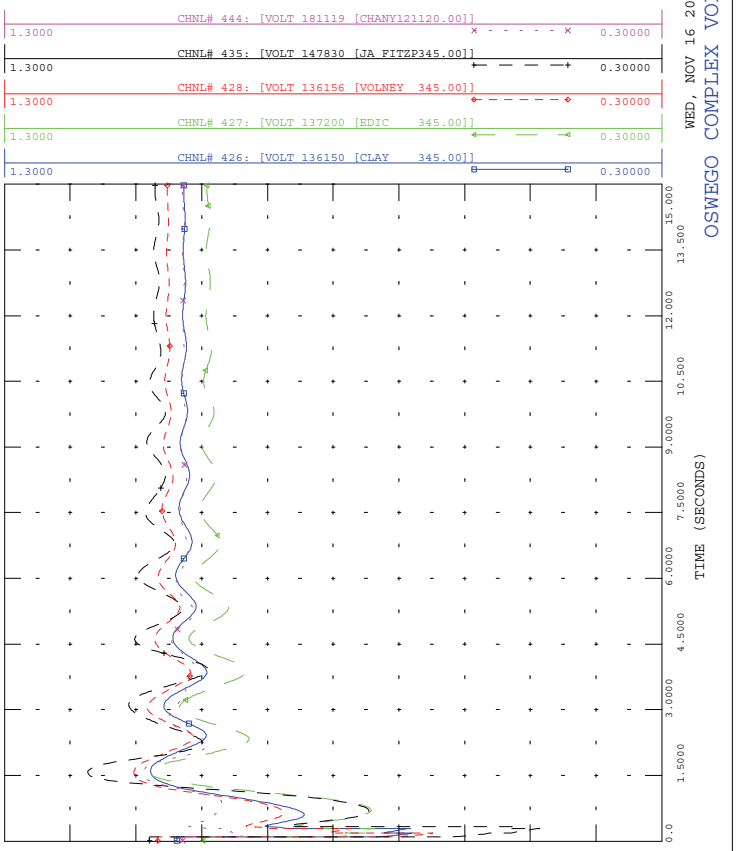


WED, NOV 16 2011 9:11

NY & OH VOLTAGES

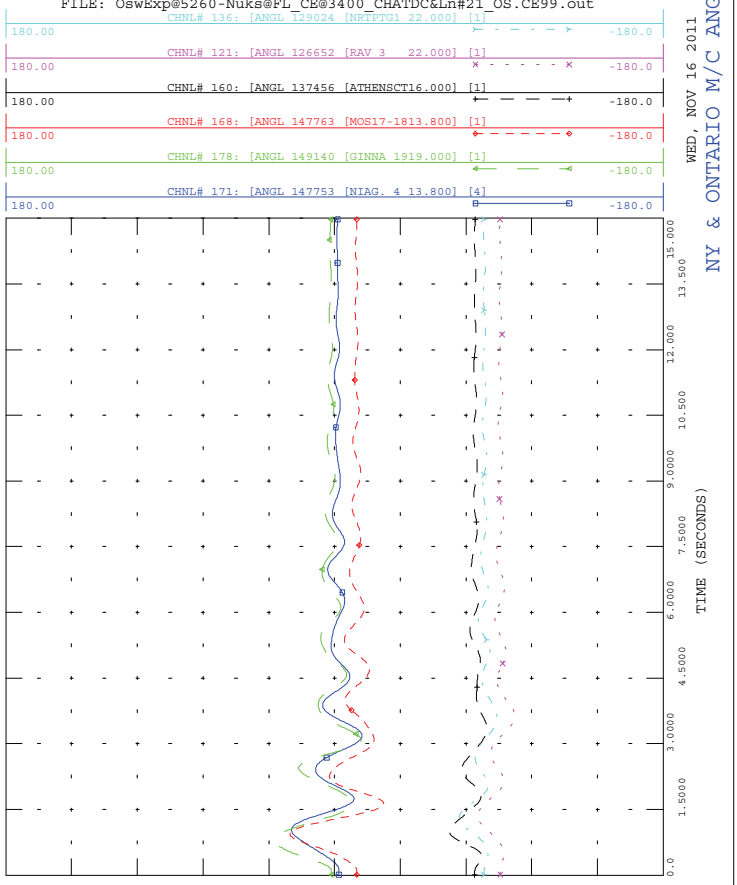
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE99.out



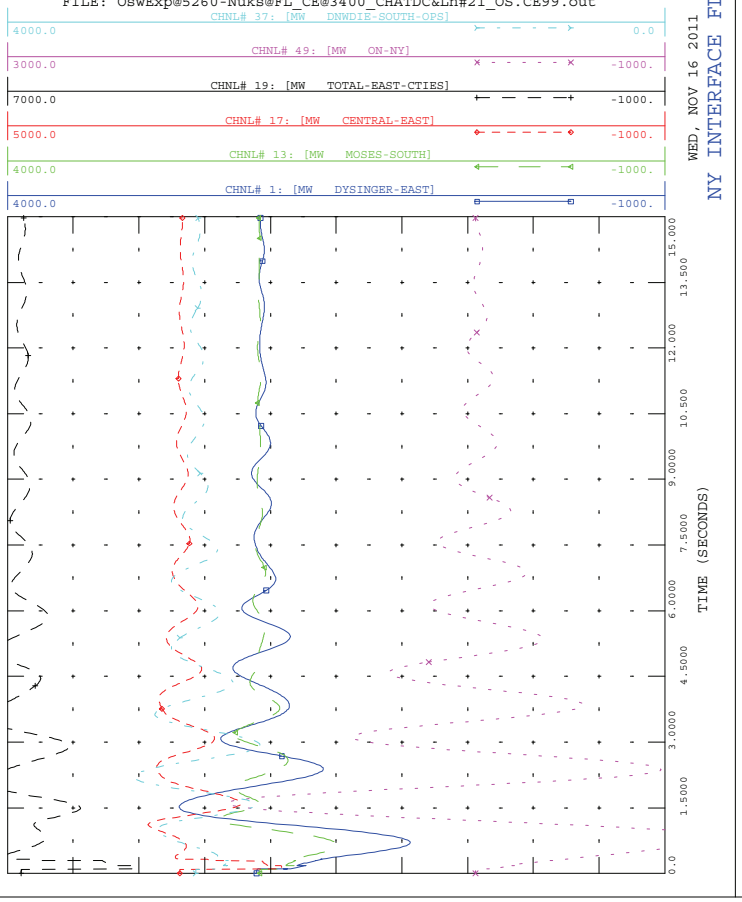
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE99.out



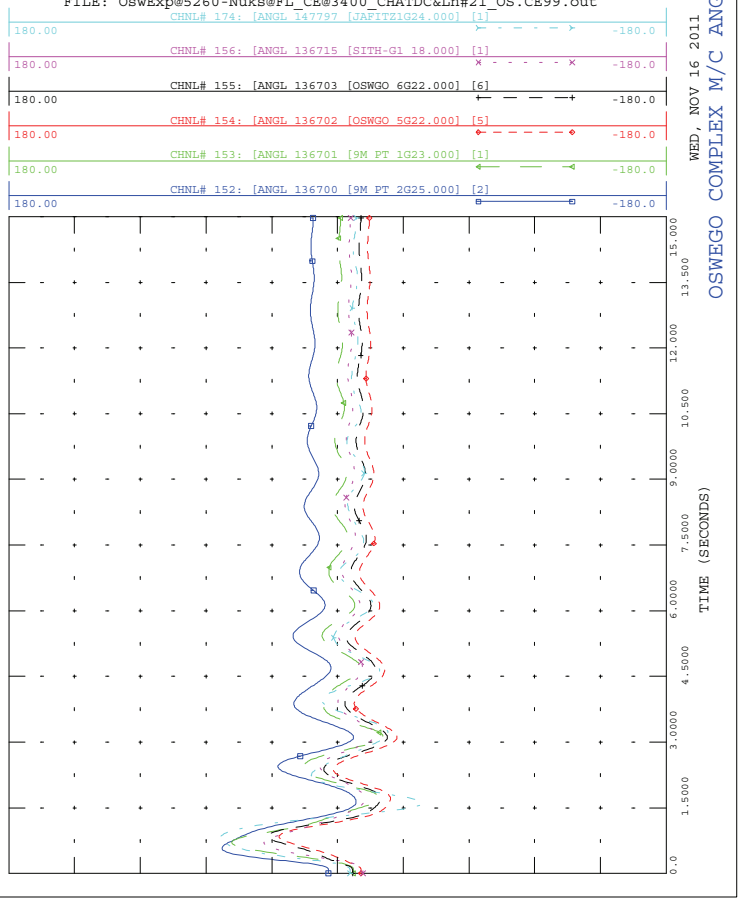
CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

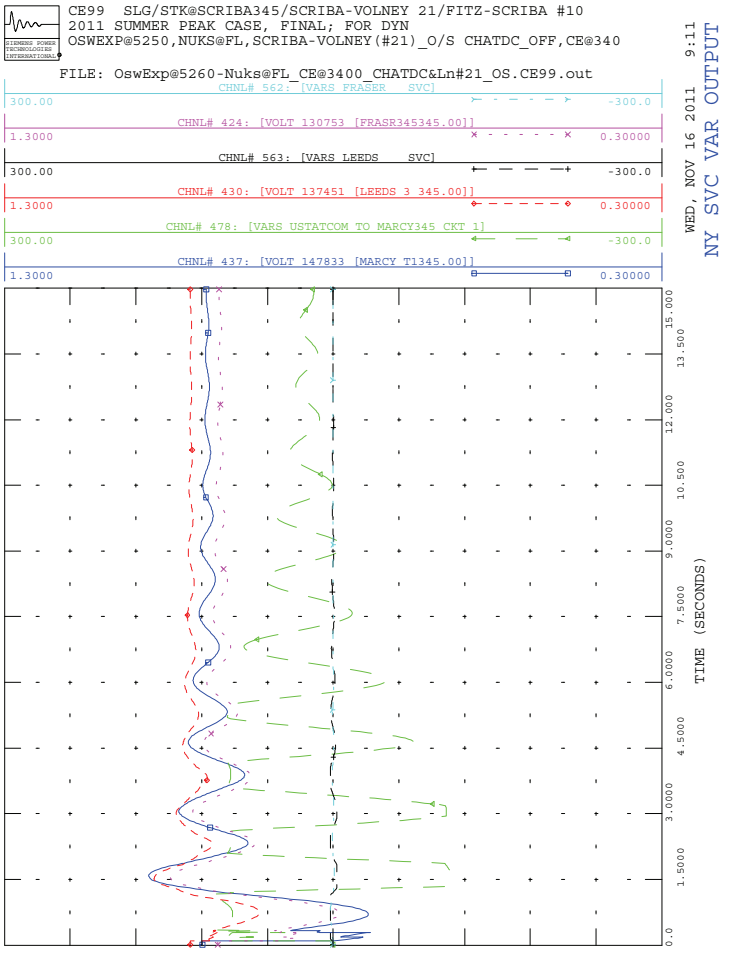
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE99.out

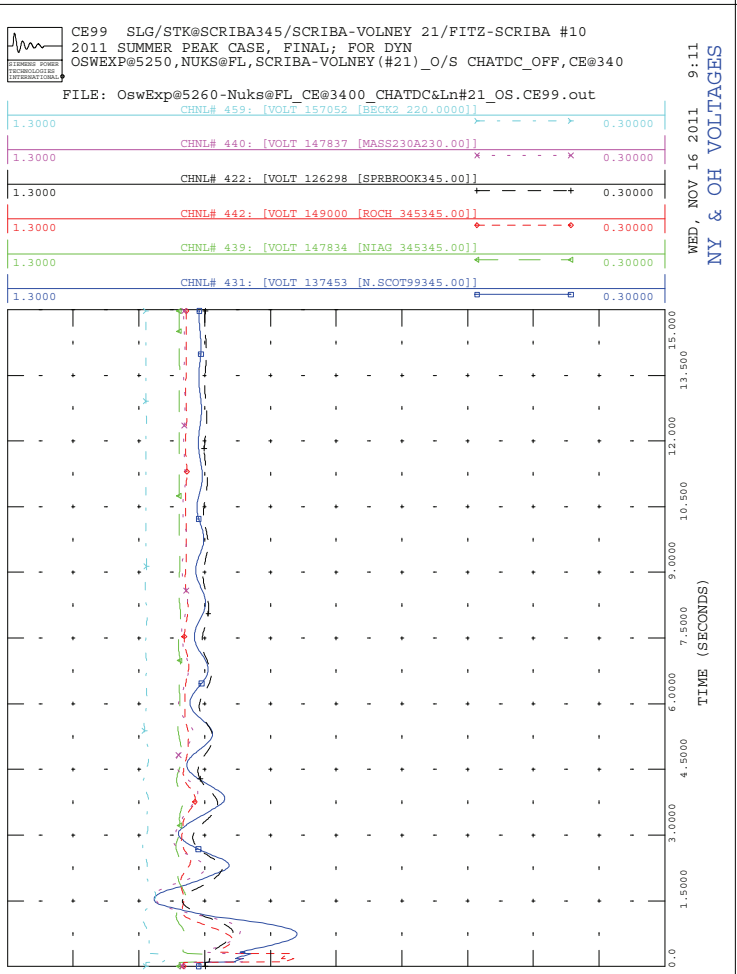


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE99.out

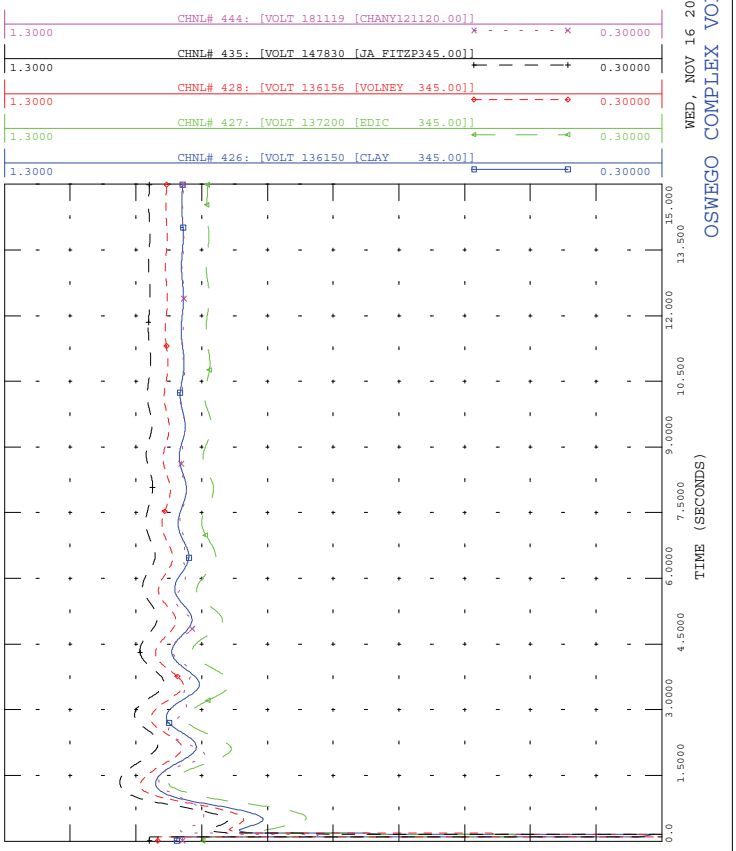



CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
WED, NOV 16 2011 9:11
NY SVC VAR OUTPUT
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
WED, NOV 16 2011 9:11
NY & OH VOLTAGES
TIME (SECONDS)
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

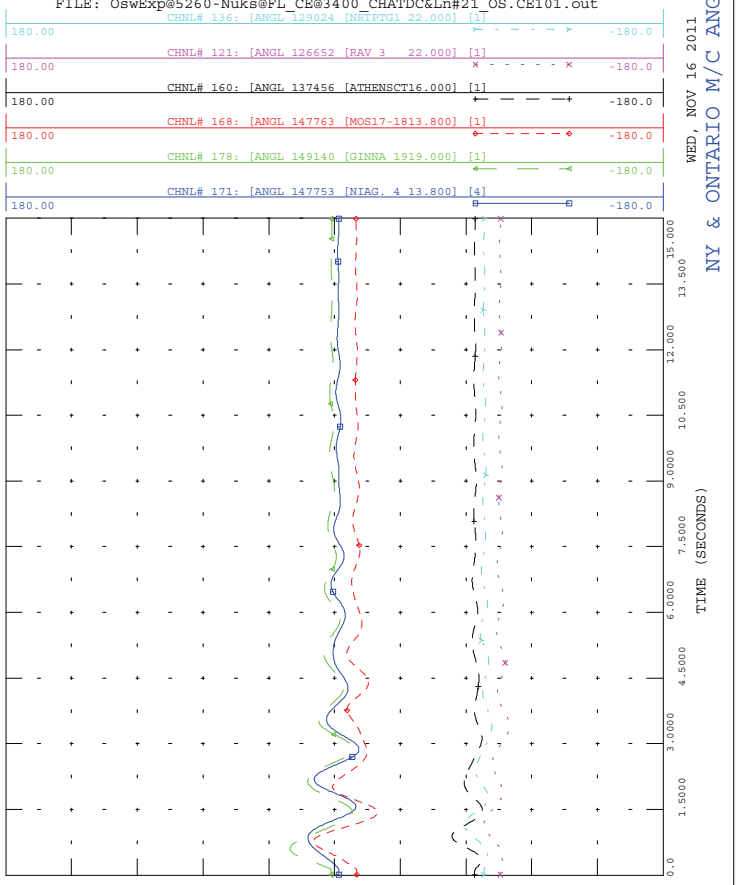
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE101.out



WED, NOV 16 2011 9:11
OSWEGO COMPLEX VOLTAGES

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

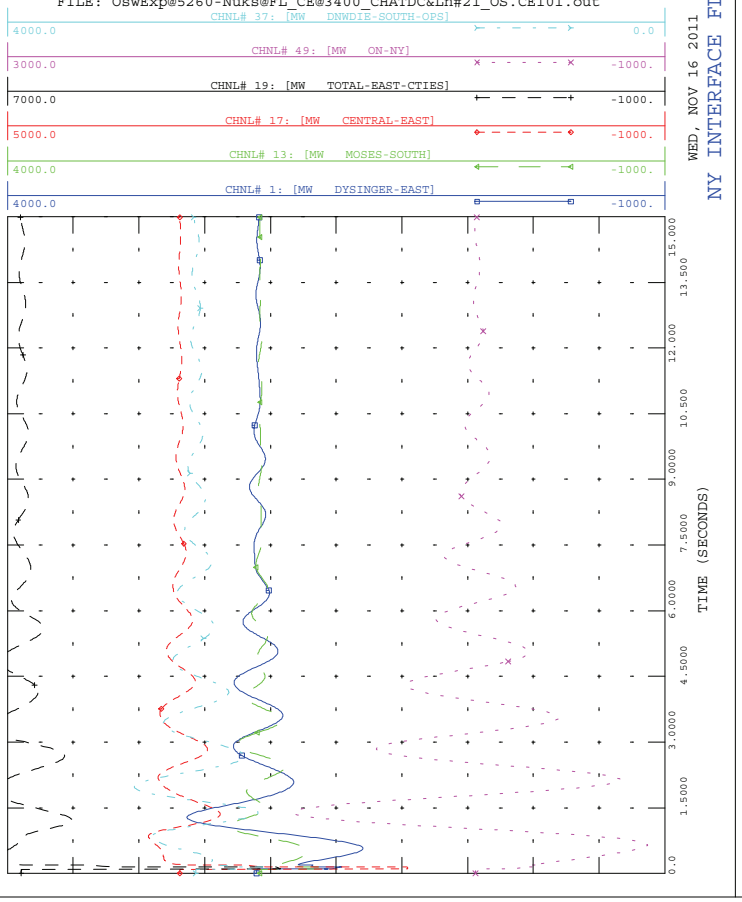
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE101.out



WED, NOV 16 2011 9:11
NY & ONTARIO M/C ANGLES

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

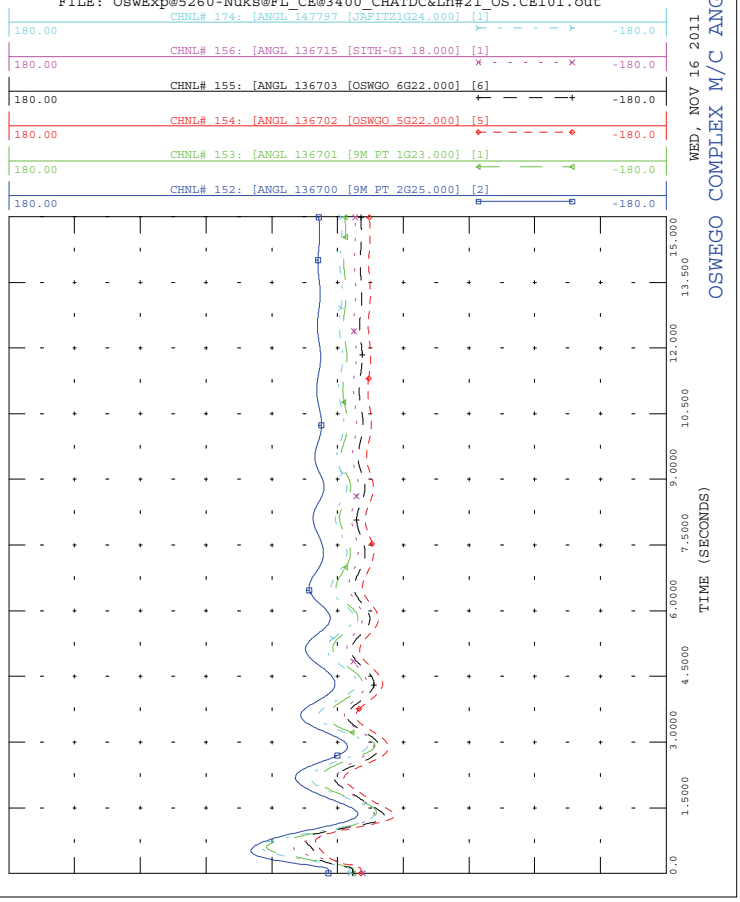
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE101.out



WED, NOV 16 2011 9:11
NY INTERFACE FLOWS

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

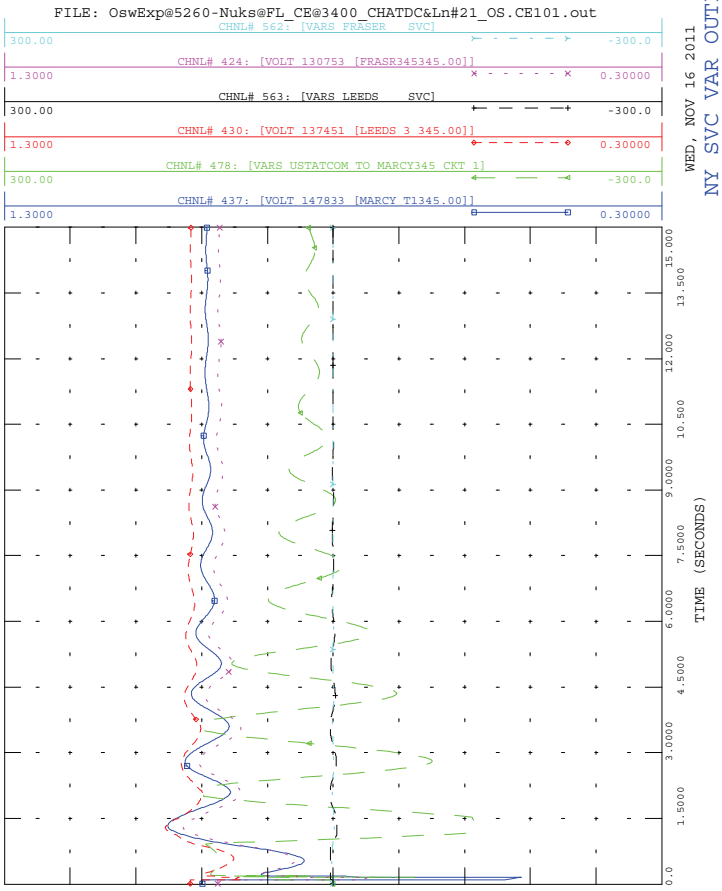
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE101.out



WED, NOV 16 2011 9:11
OSWEGO COMPLEX M/C ANGLES

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE101.out

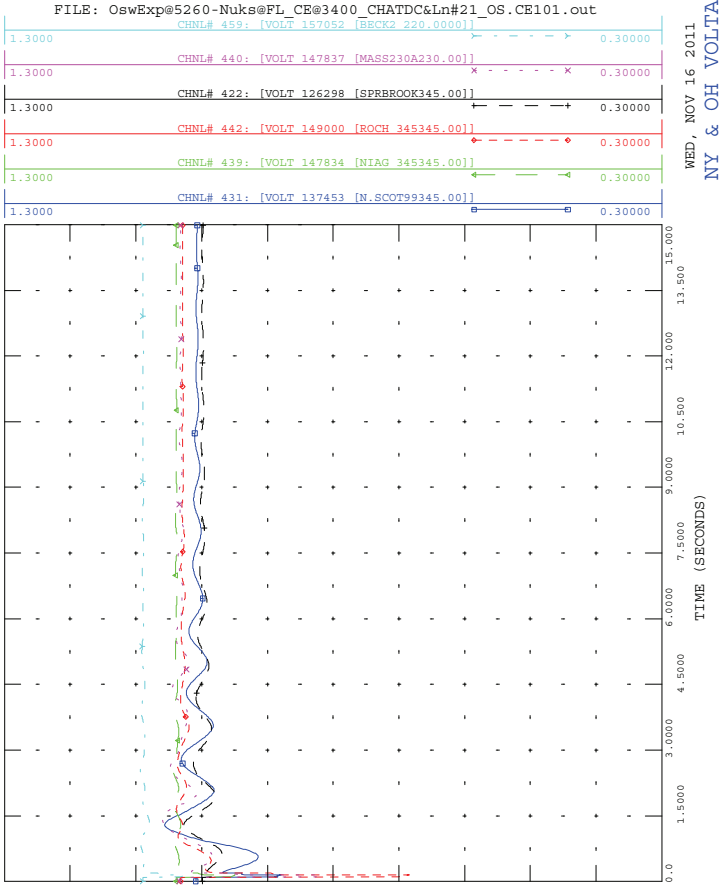


WED, NOV 16 2011 9:11

NY SVC VAR OUTPUT

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.CE101.out

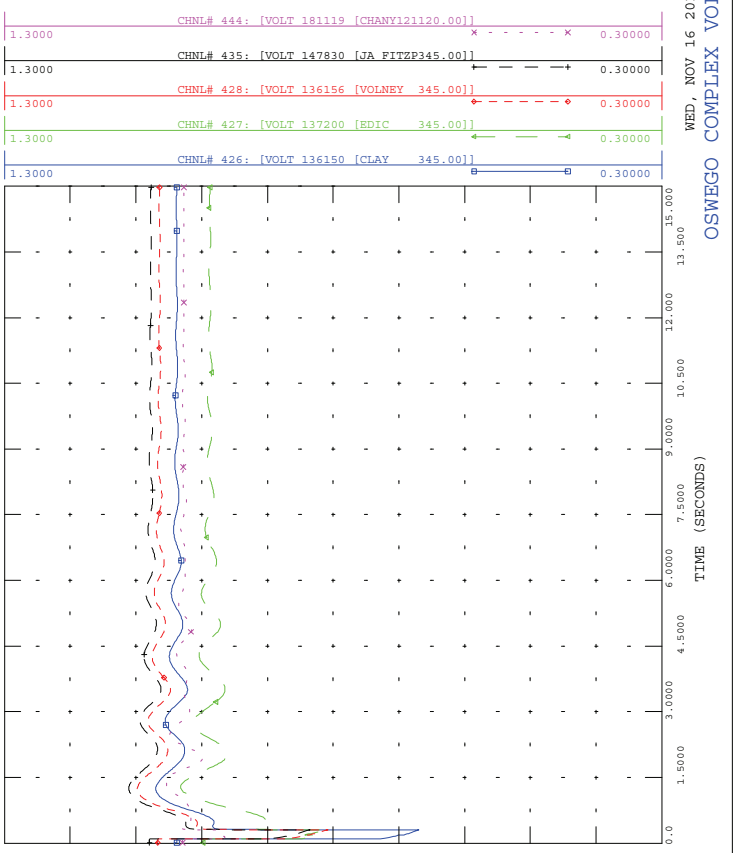


WED, NOV 16 2011 9:11

NY & OH VOLTAGES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.VE01.out

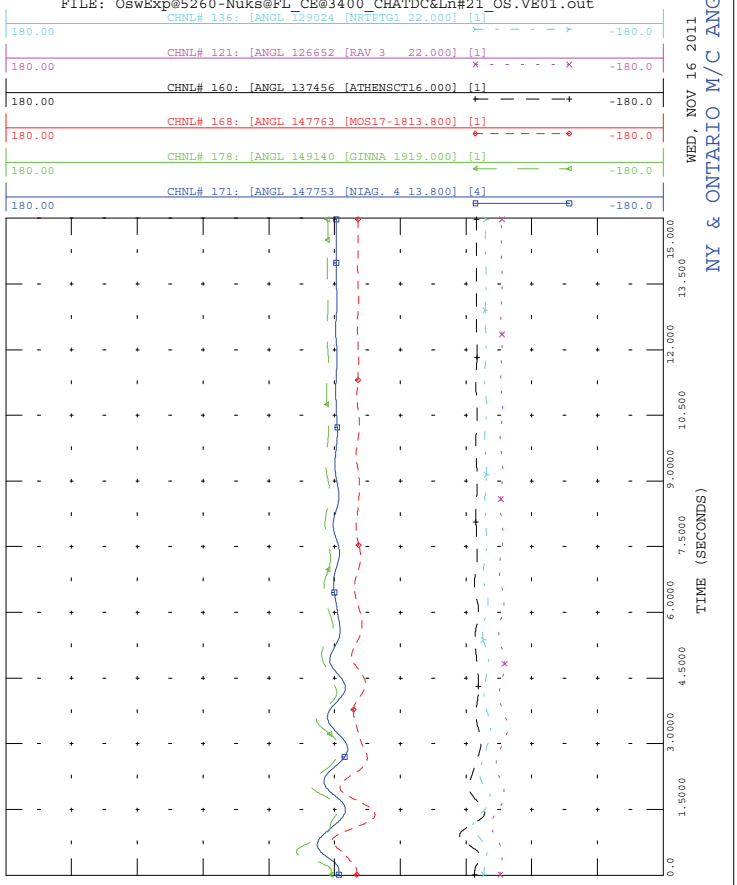


WED, NOV 16 2011 9:11

OSWEGO COMPLEX VOLTAGES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.VE01.out

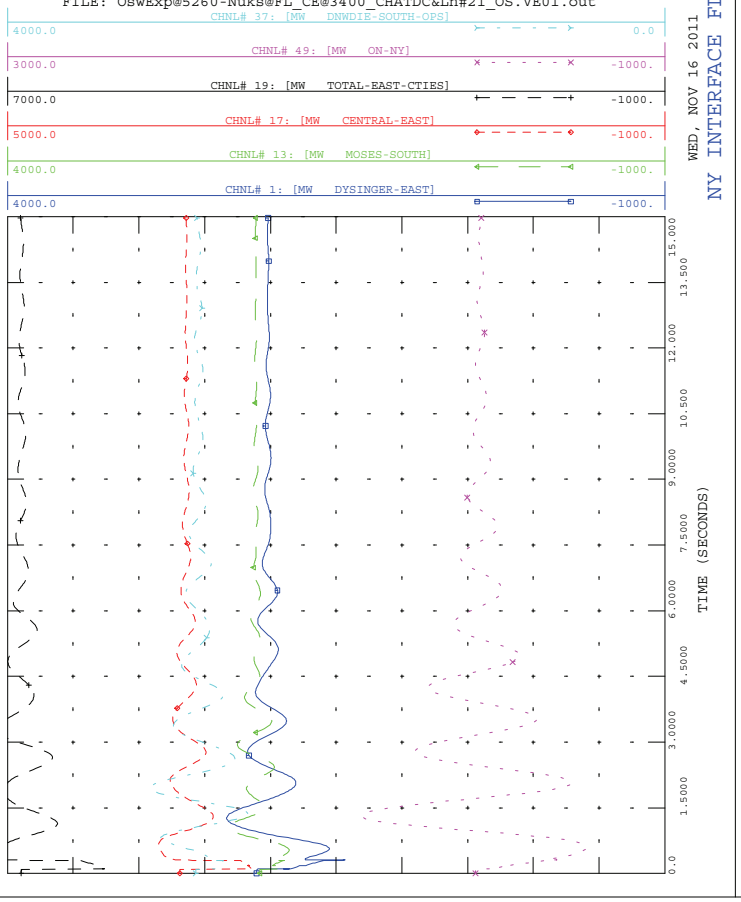


WED, NOV 16 2011 9:11

NY & ONTARIO M/C ANGLES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.VE01.out

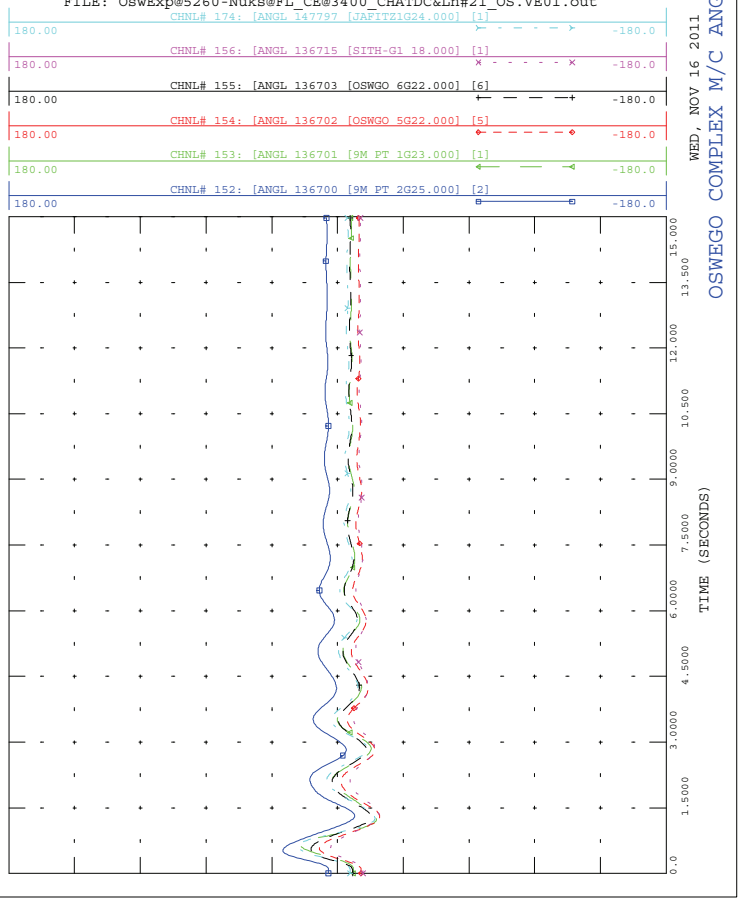


WED, NOV 16 2011 9:11

NY INTERFACE FLOWS

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.VE01.out

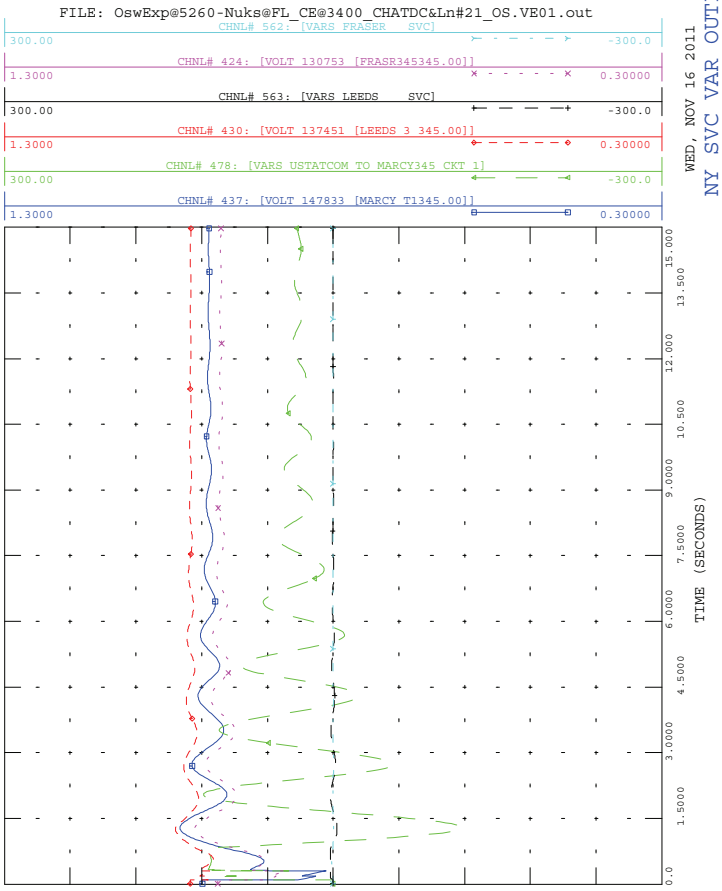


WED, NOV 16 2011 9:11

OSWEGO COMPLEX M/C ANGLES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.VE01.out

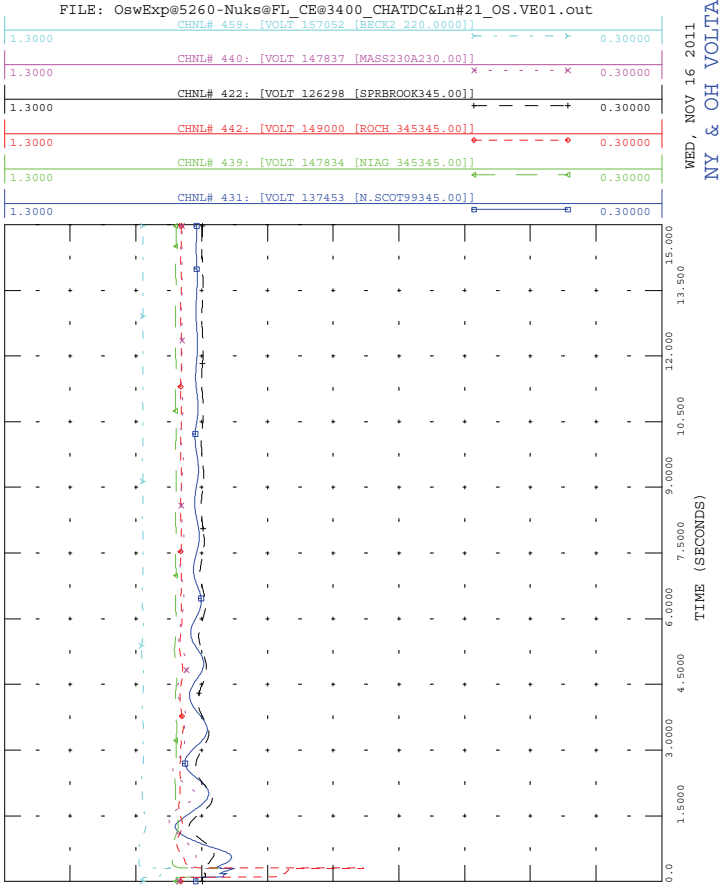


WED, NOV 16 2011 9:11

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWEXP@5250,NUKS@FL,SCRIBA-VOLNEY(#21)_O/S CHATDC_OFF,CE@340

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#21_OS.VE01.out



WED, NOV 16 2011 9:11

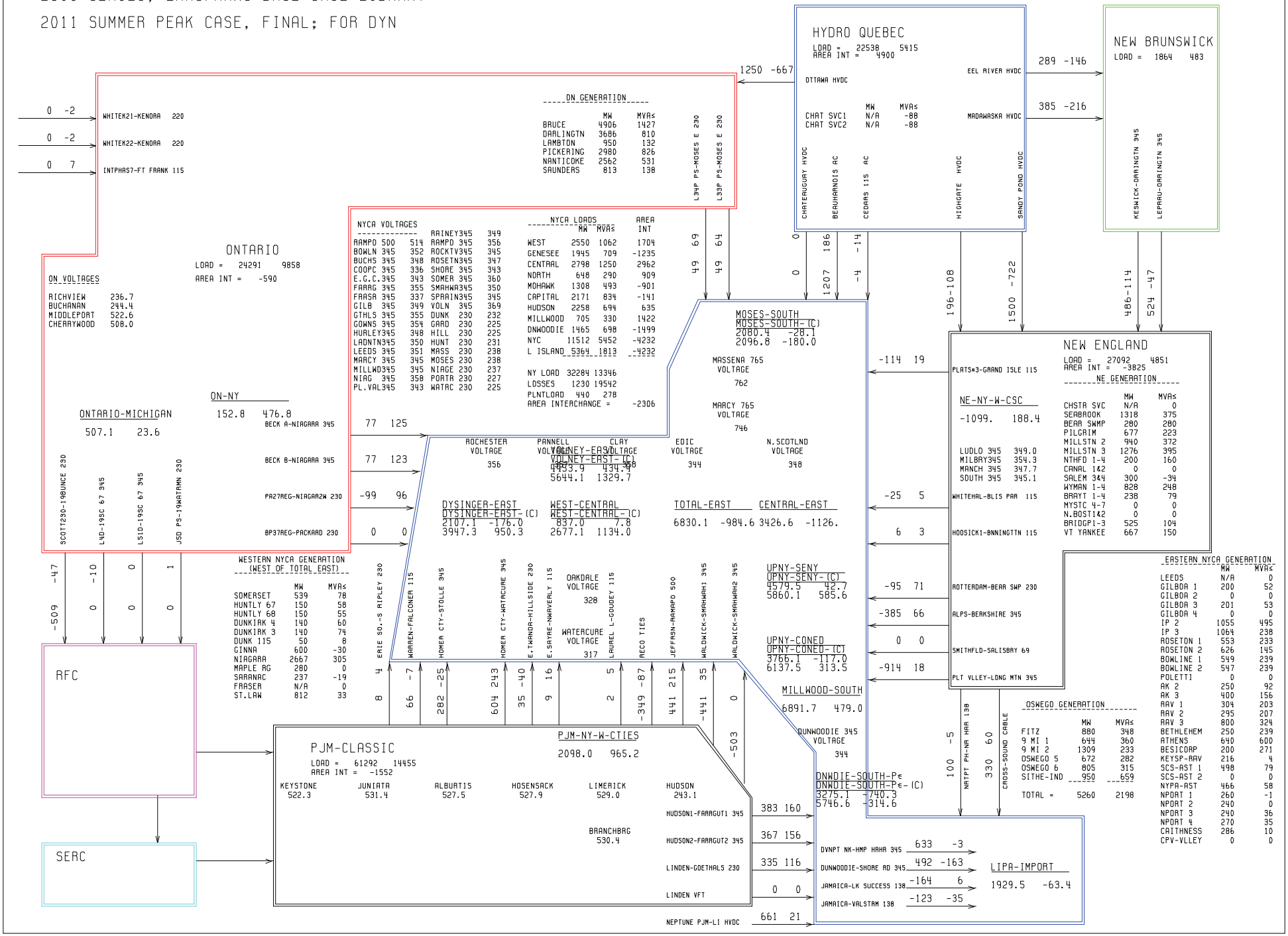
NY & OH VOLTAGES

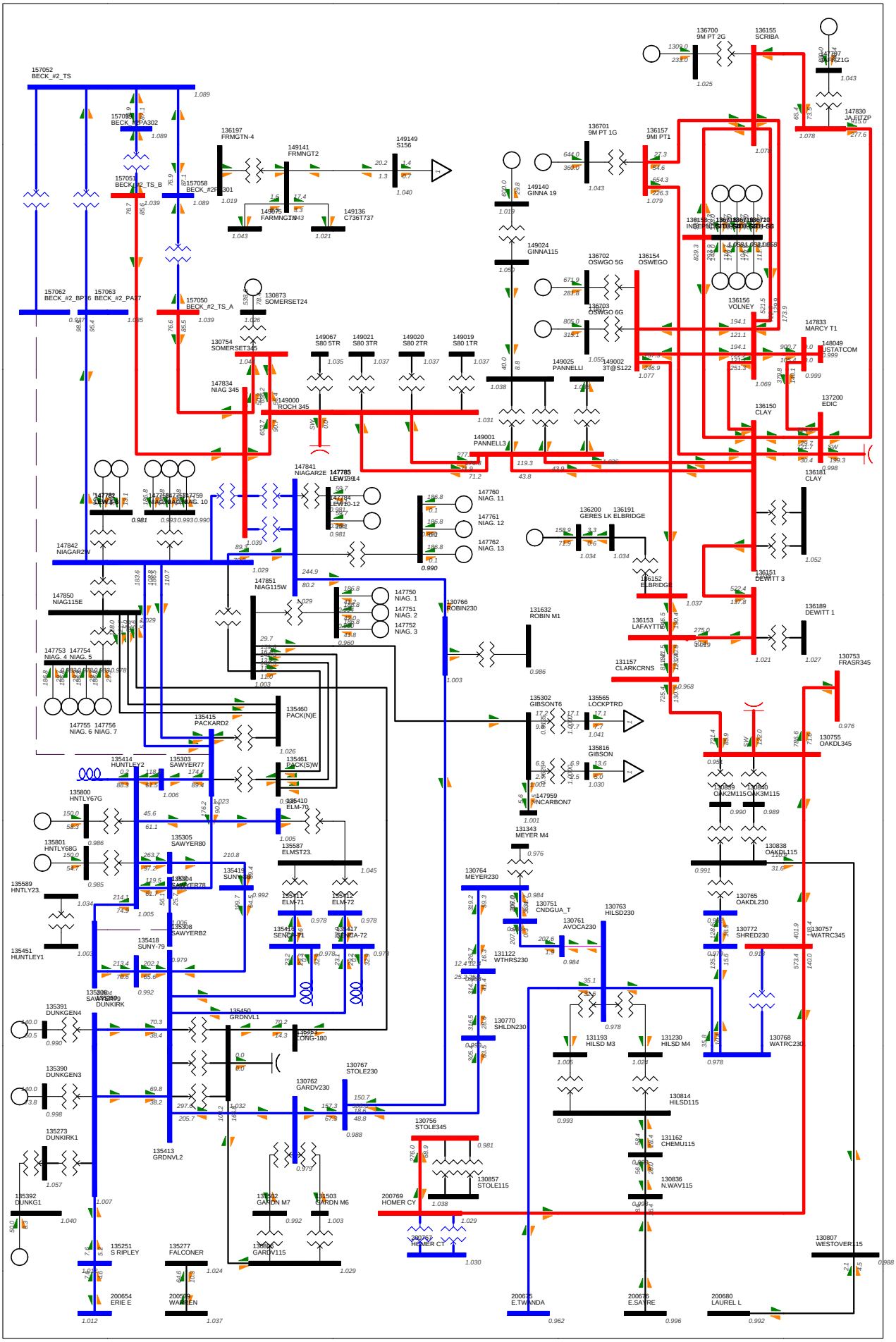
APPENDIX L: Oswego Export Limit – STATCOM _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
THU, NOV 17 2011 9:13

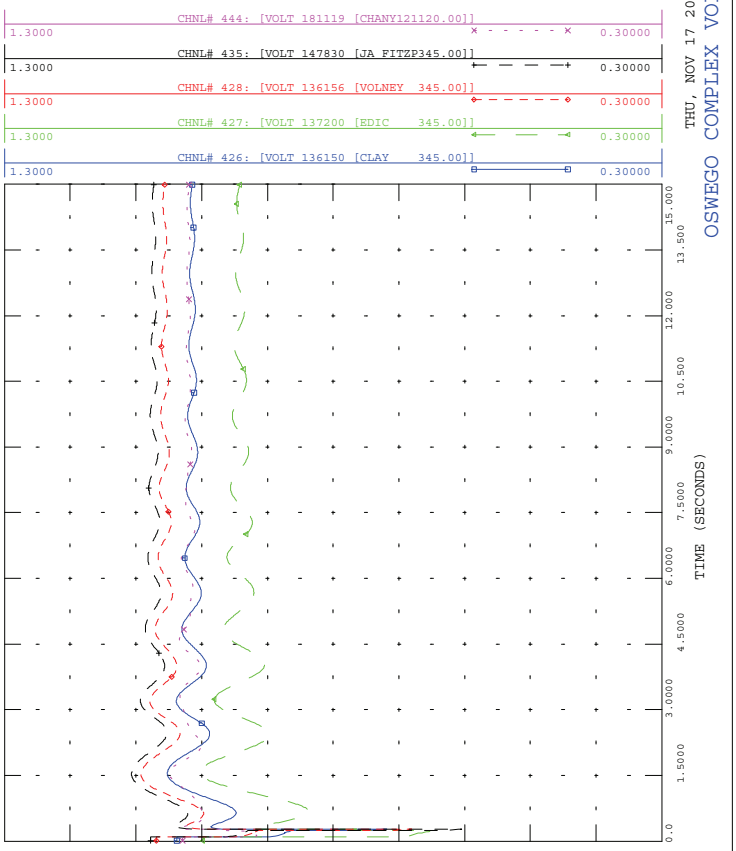
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE03.out

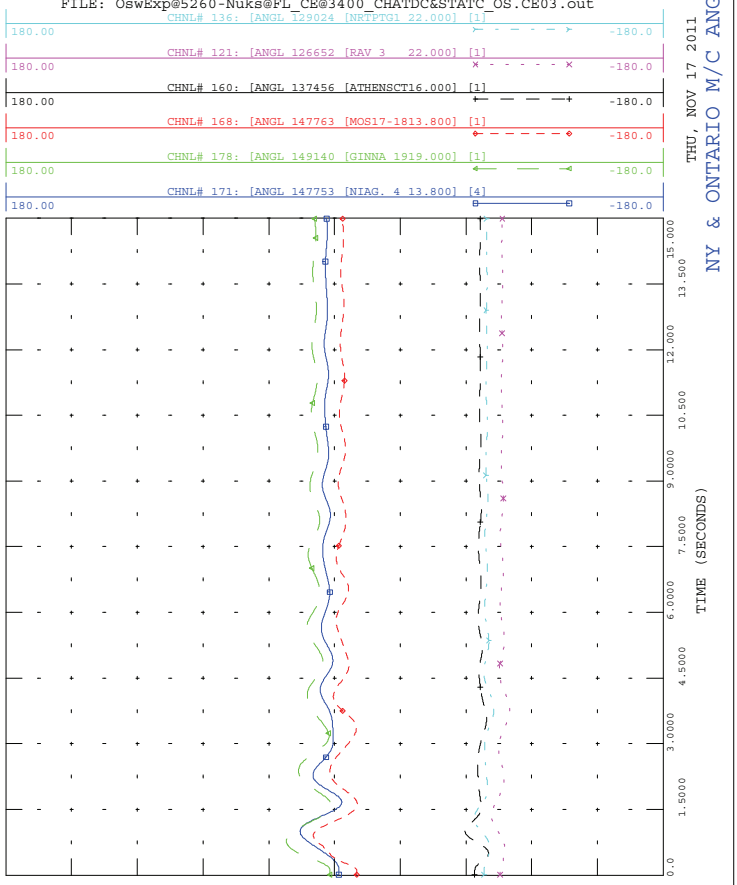


THU, NOV 17 2011 8:42

OSWEGO COMPLEX VOLTAGES

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE03.out

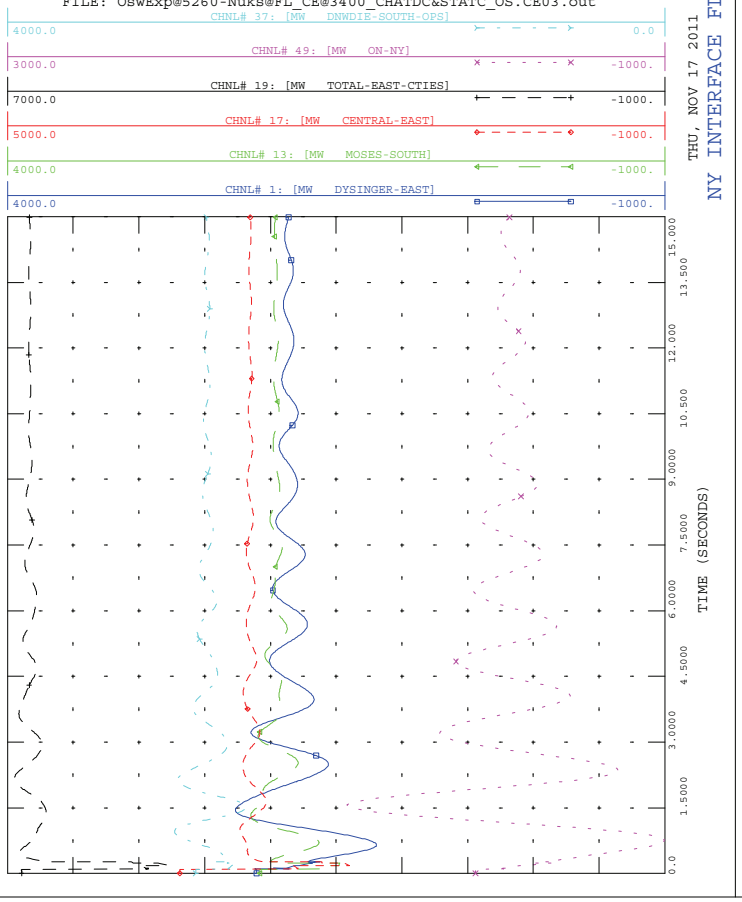


THU, NOV 17 2011 8:42

NY & ONTARIO M/C ANGLES

CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE03.out

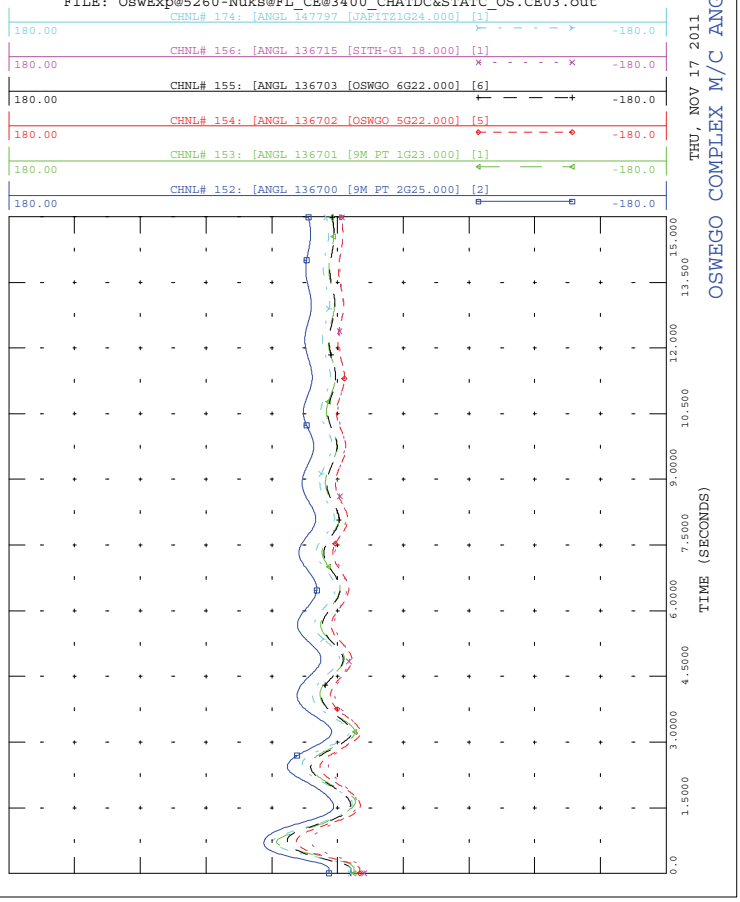


THU, NOV 17 2011 8:42

NY INTERFACE FLOWS

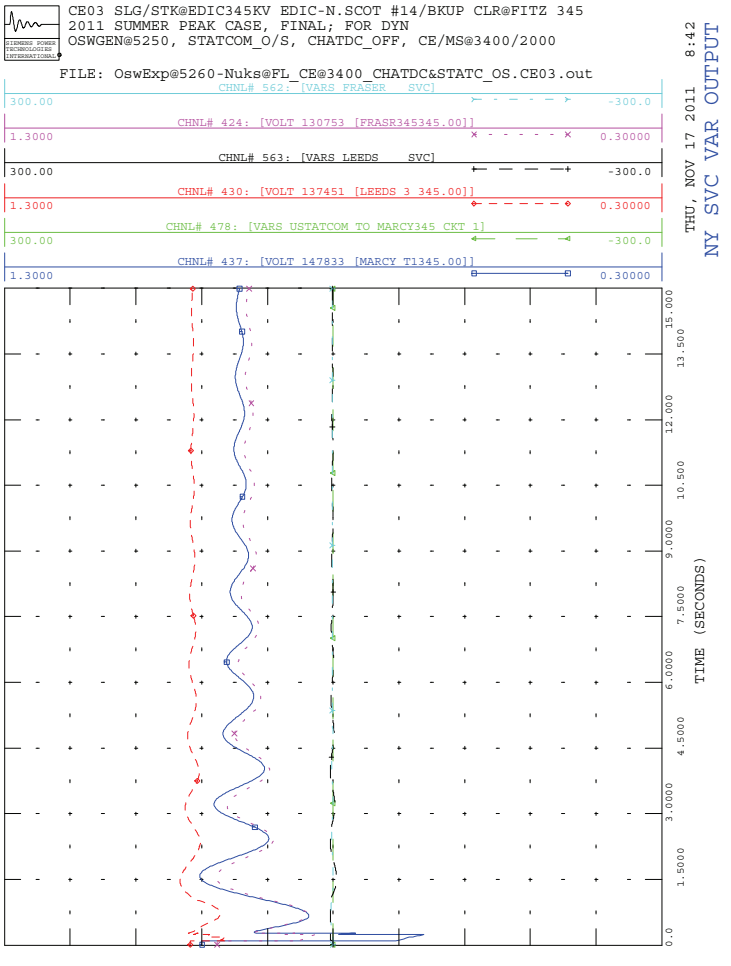
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

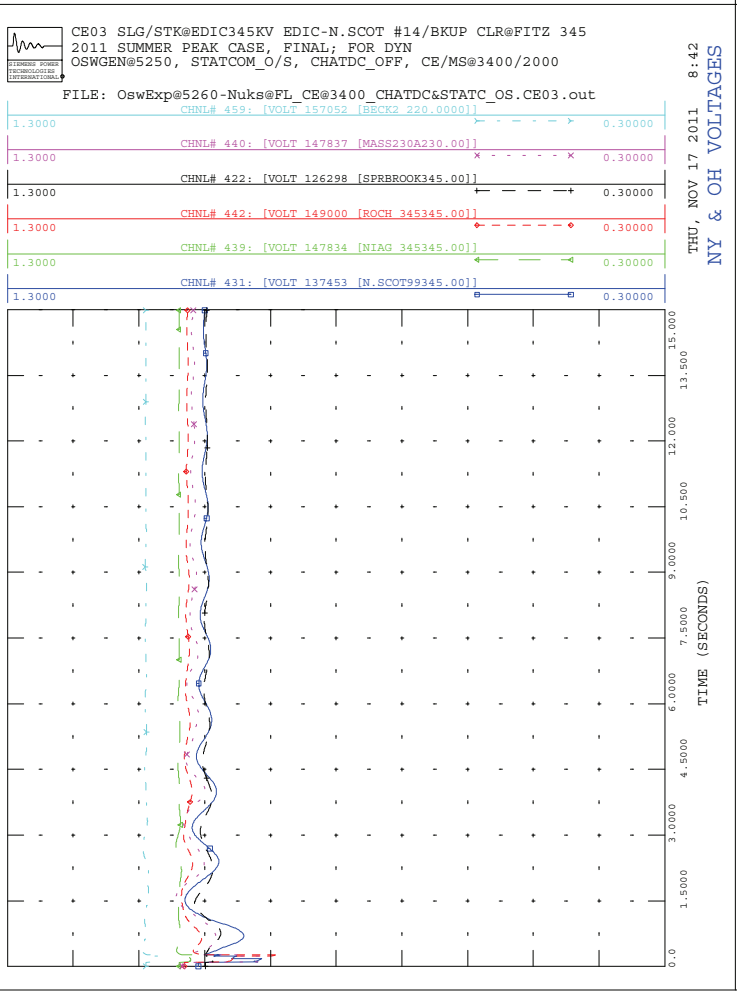
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE03.out



THU, NOV 17 2011 8:42

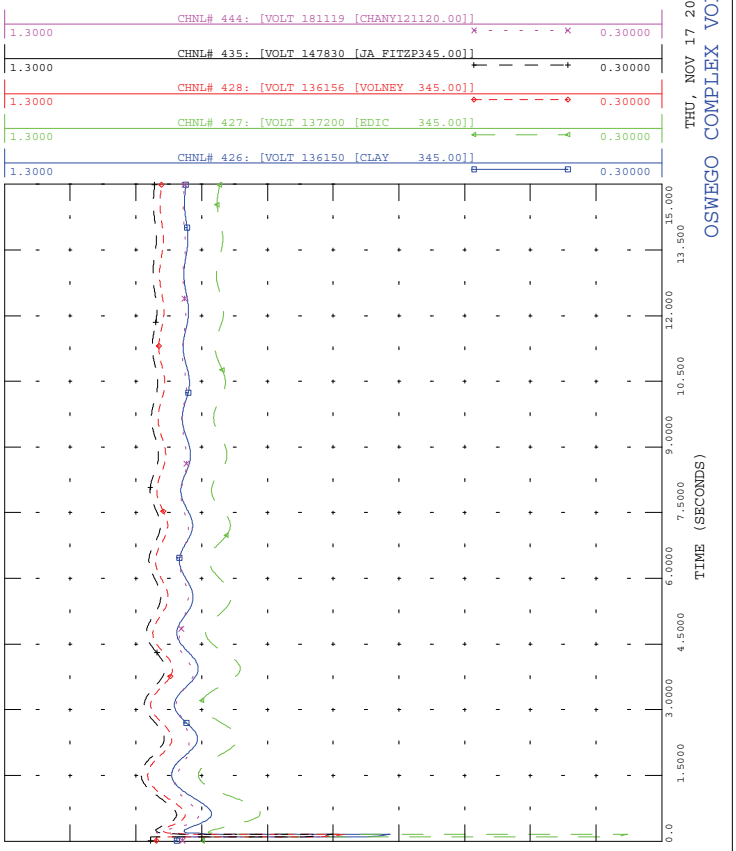
OSWEGO COMPLEX M/C ANGLES


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:42
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:42
NY & OH VOLTAGES

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE07.out

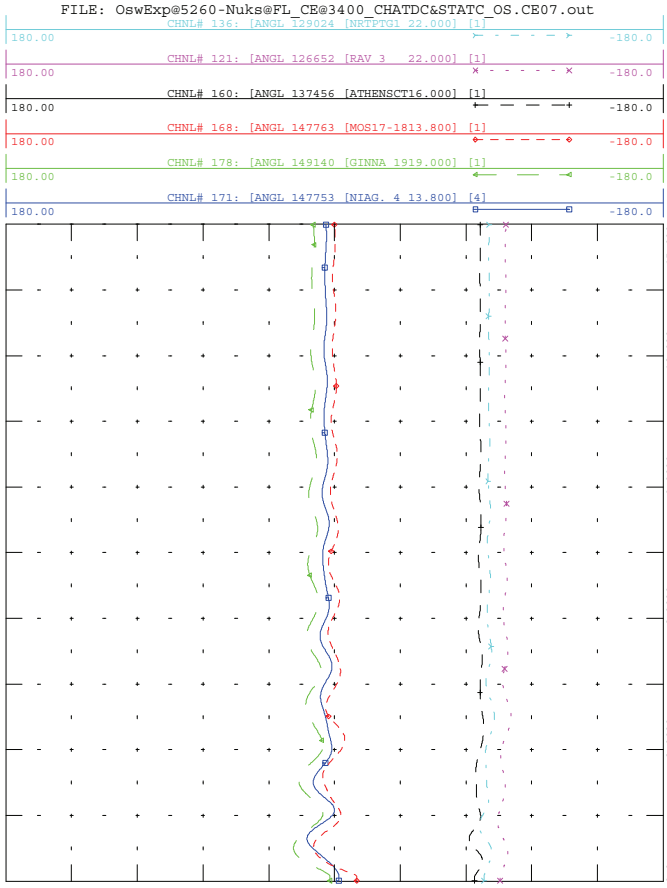


THU, NOV 17 2011 8:42

OSWEGO COMPLEX VOLTAGES

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE07.out

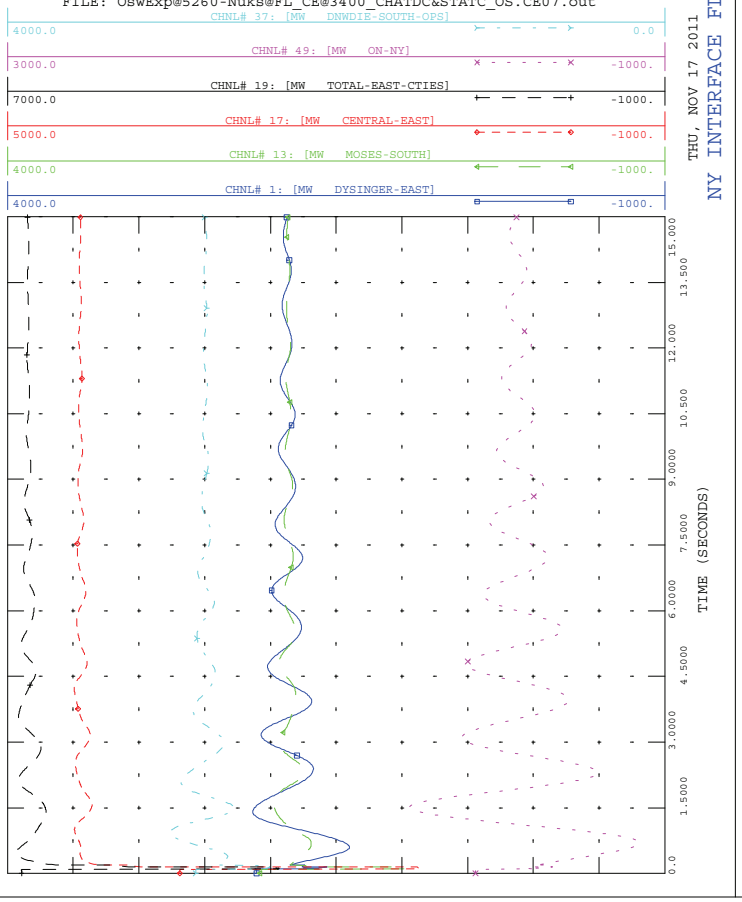


THU, NOV 17 2011 8:42

NY & ONTARIO M/C ANGLES

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE07.out

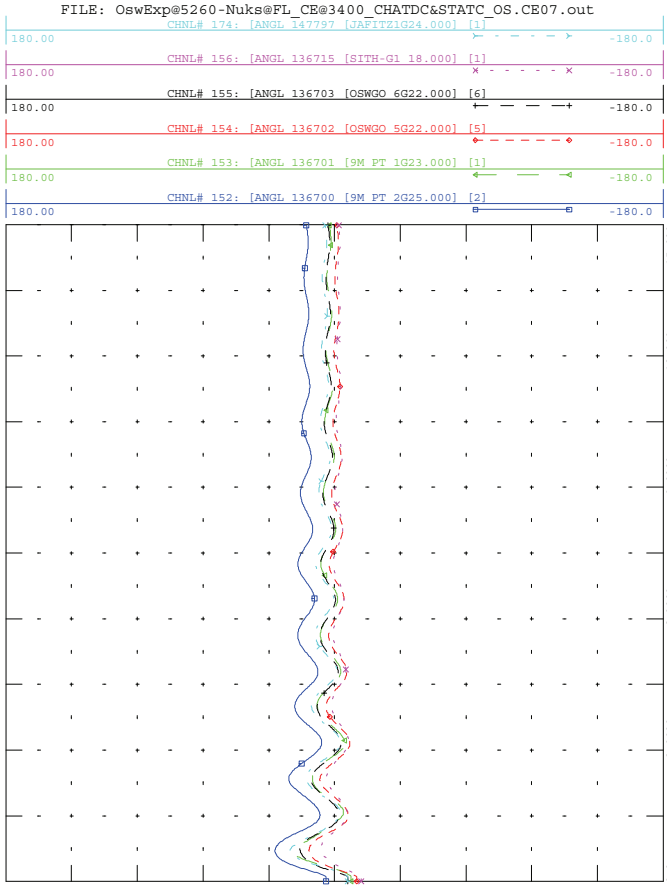


THU, NOV 17 2011 8:42

NY INTERFACE FLOWS

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE07.out

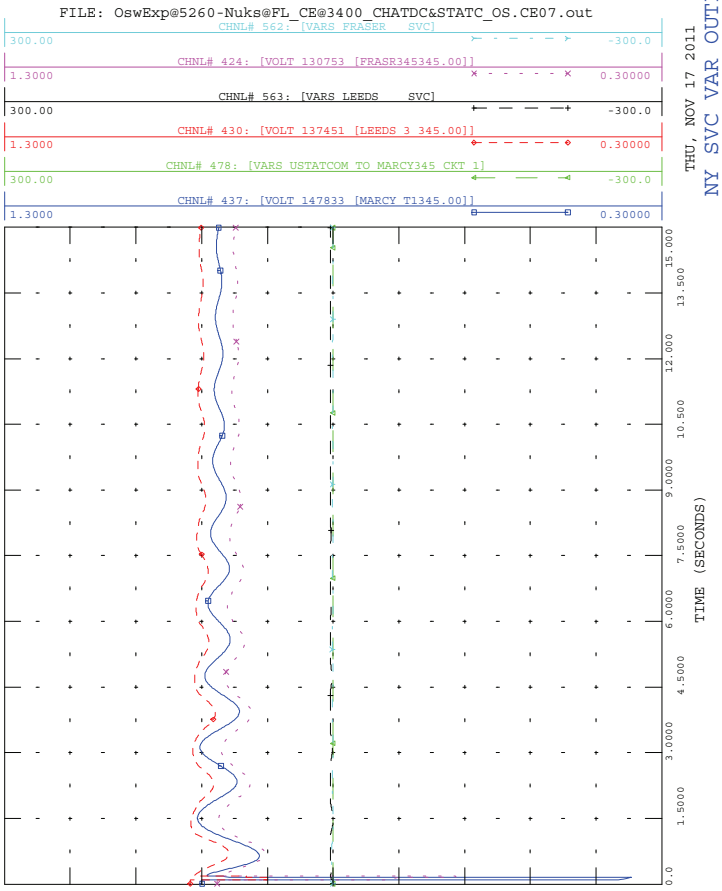


THU, NOV 17 2011 8:42

OSWEGO COMPLEX M/C ANGLES

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE07.out

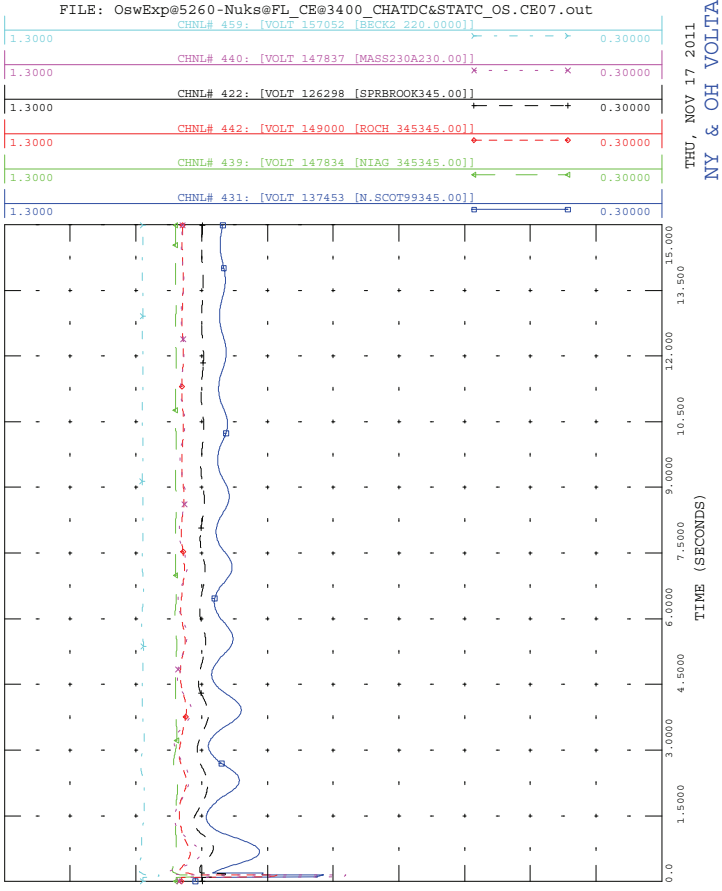


THU, NOV 17 2011 8:42

NY SVC VAR OUTPUT

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE07.out



THU, NOV 17 2011 8:42

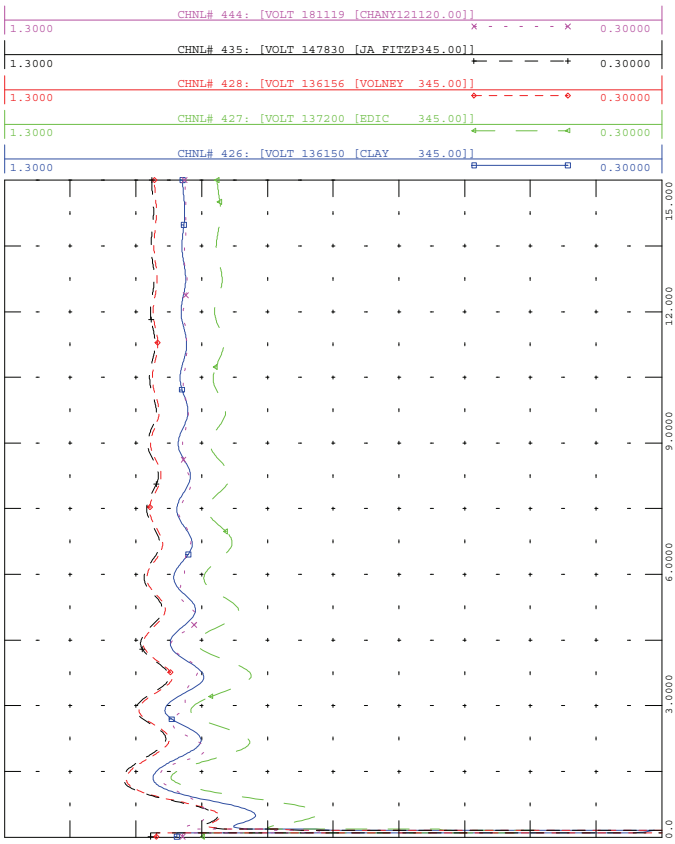
NY & OH VOLTAGES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE13.out

THU, NOV 17 2011 8:42

OSWEGO COMPLEX VOLTAGES

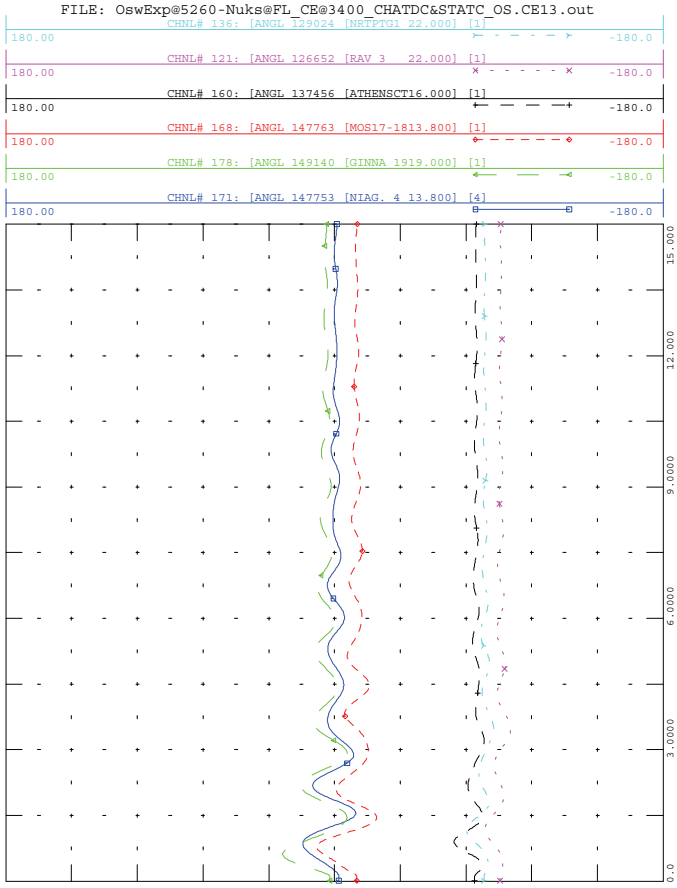


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE13.out

THU, NOV 17 2011 8:42

NY & ONTARIO M/C ANGLES

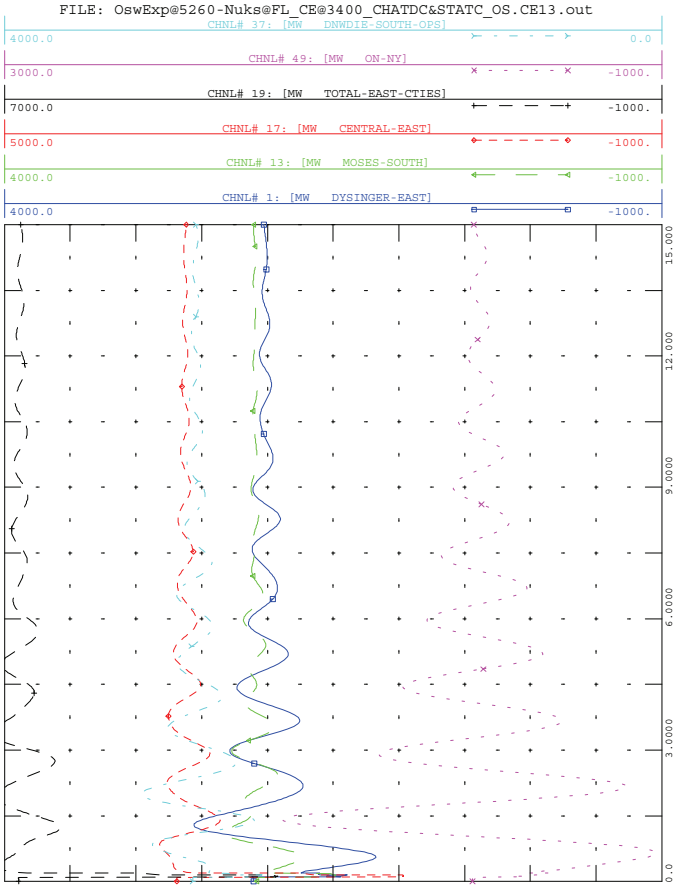


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE13.out

THU, NOV 17 2011 8:42

NY INTERFACE FLOWS

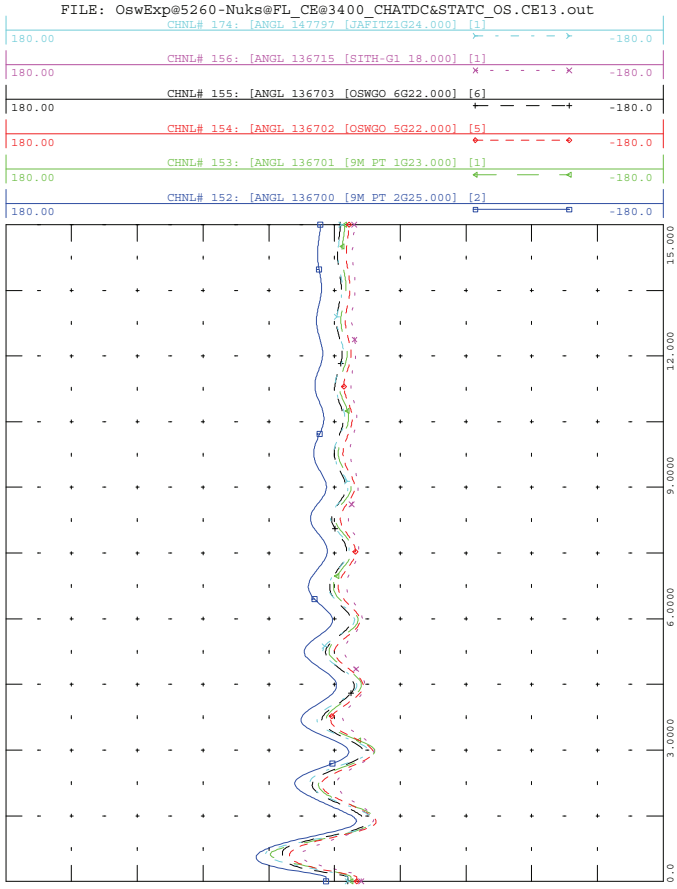


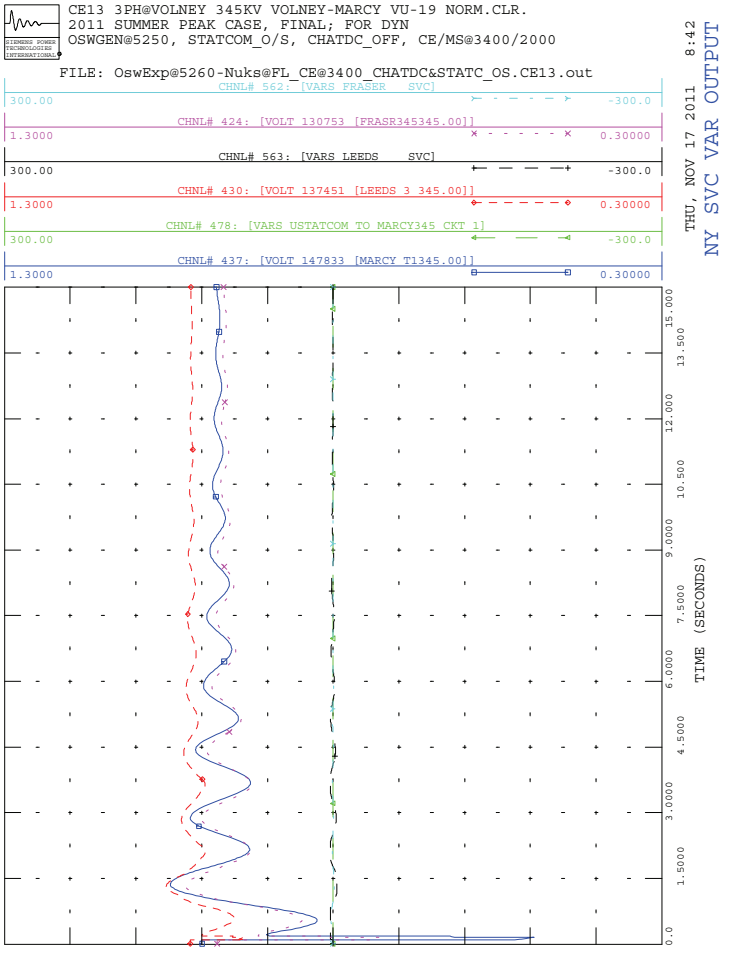
CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

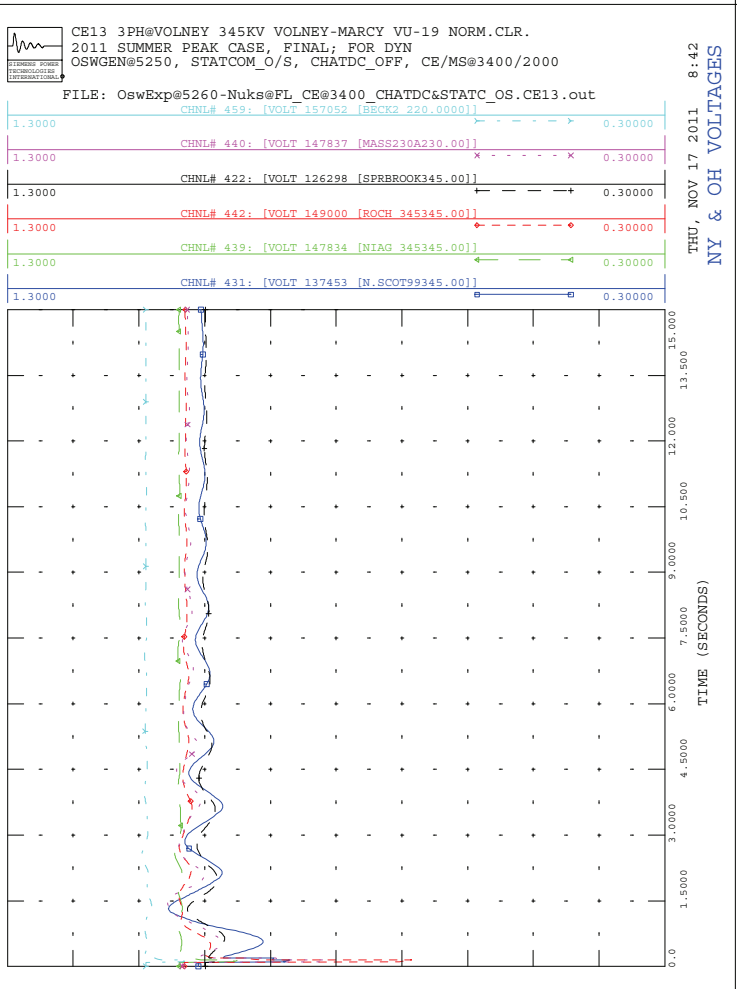
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE13.out

THU, NOV 17 2011 8:42

OSWEGO COMPLEX M/C ANGLES

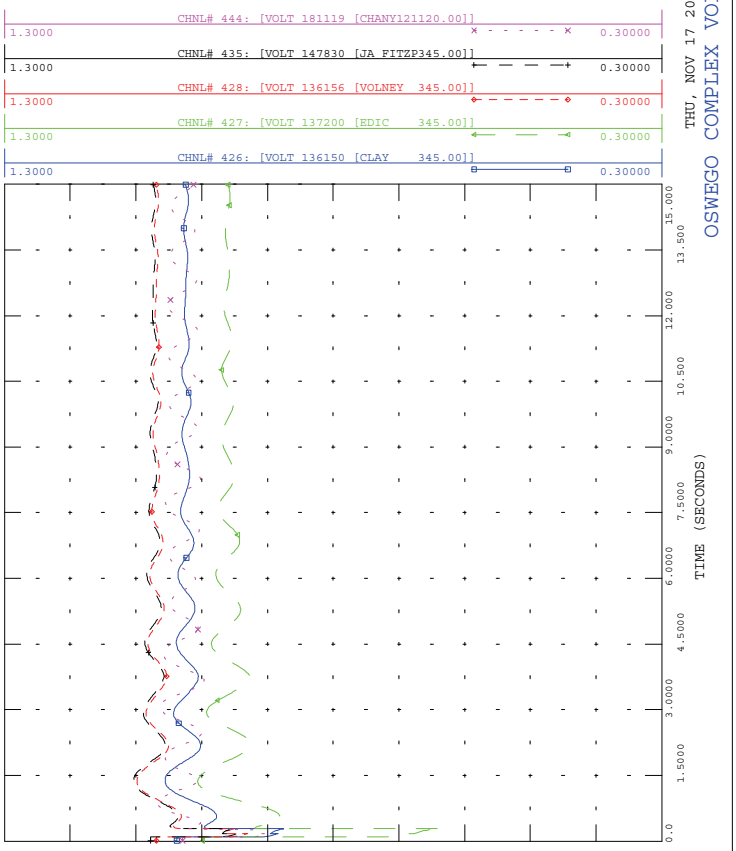



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE13.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:42
NY SVC VAR OUTPUT


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE13.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:42
NY & OH VOLTAGES

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE15.out

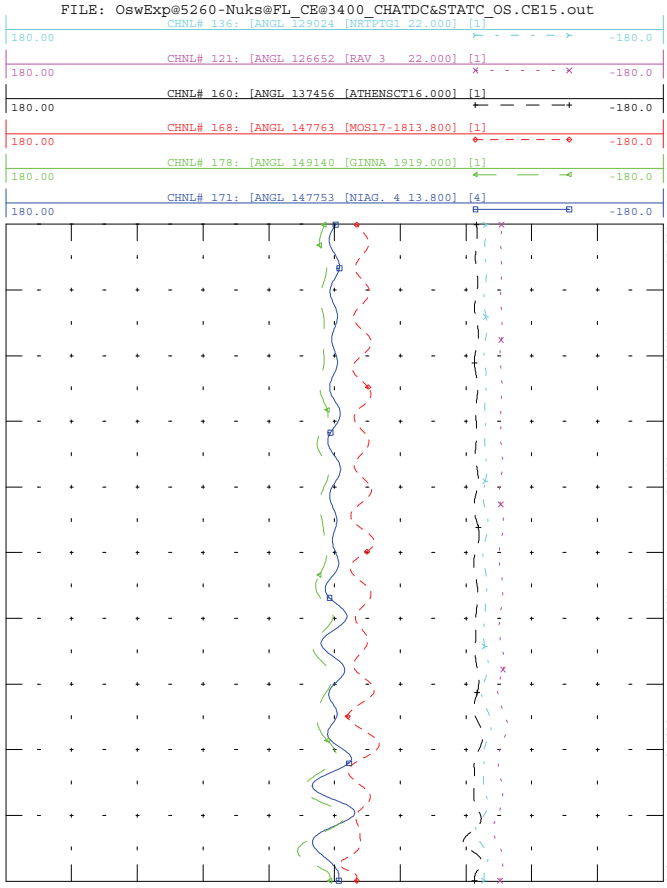


THU, NOV 17 2011 8:42

OSWEGO COMPLEX VOLTAGES

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE15.out

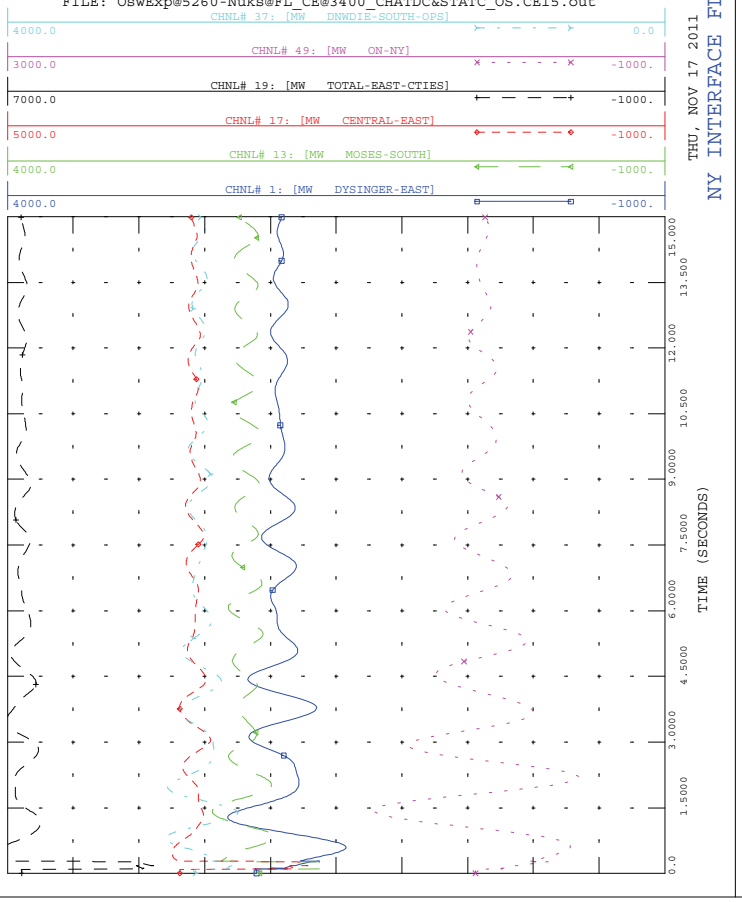


THU, NOV 17 2011 8:42

NY & ONTARIO M/C ANGLES

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE15.out

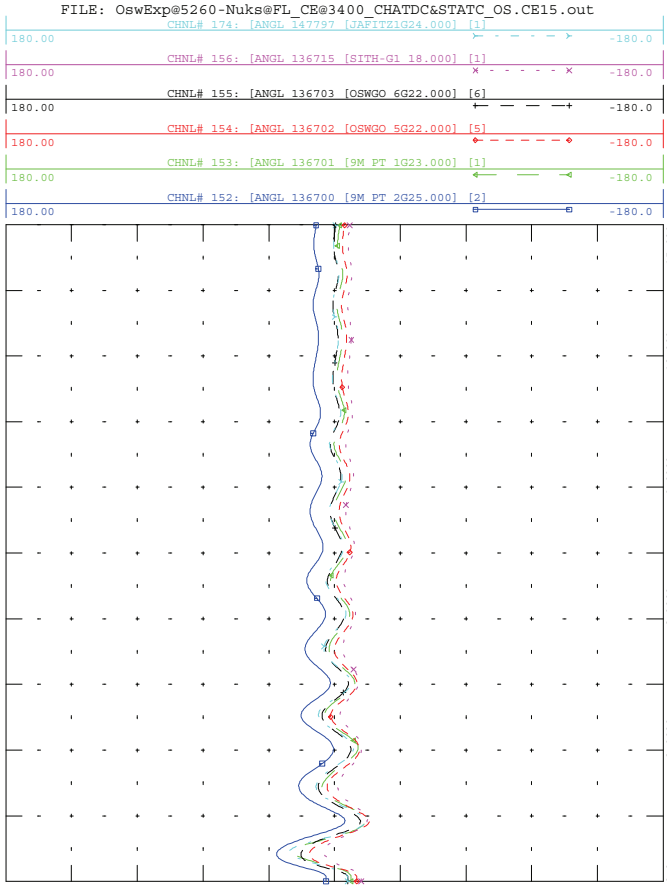


THU, NOV 17 2011 8:42

NY INTERFACE FLOWS

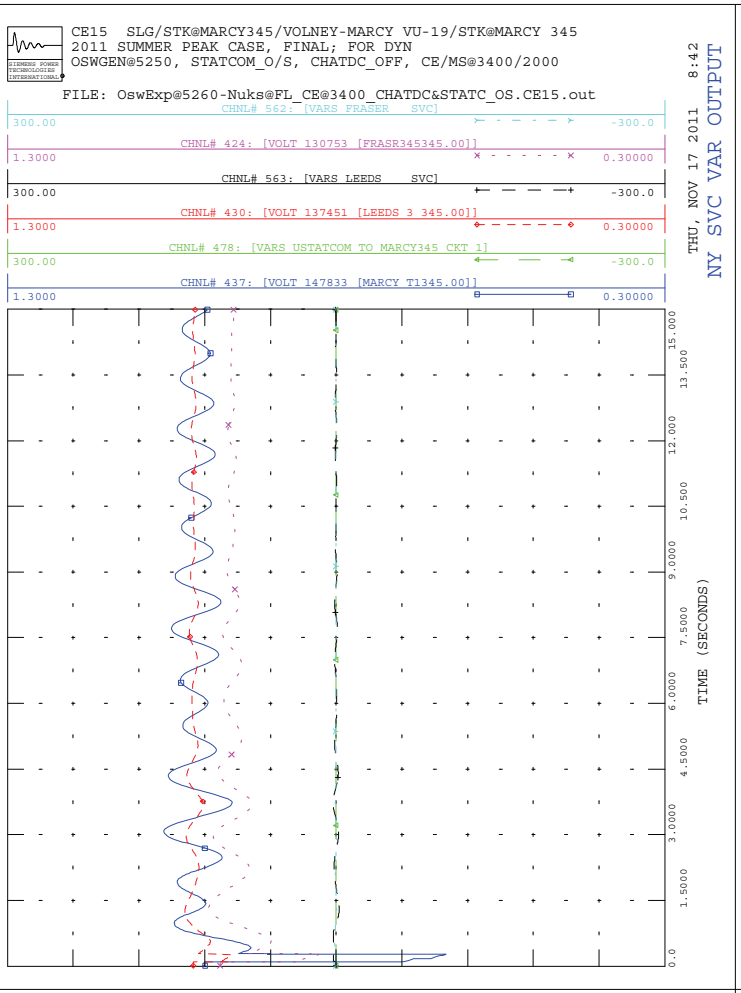
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE15.out



THU, NOV 17 2011 8:42

OSWEGO COMPLEX M/C ANGLES


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE15.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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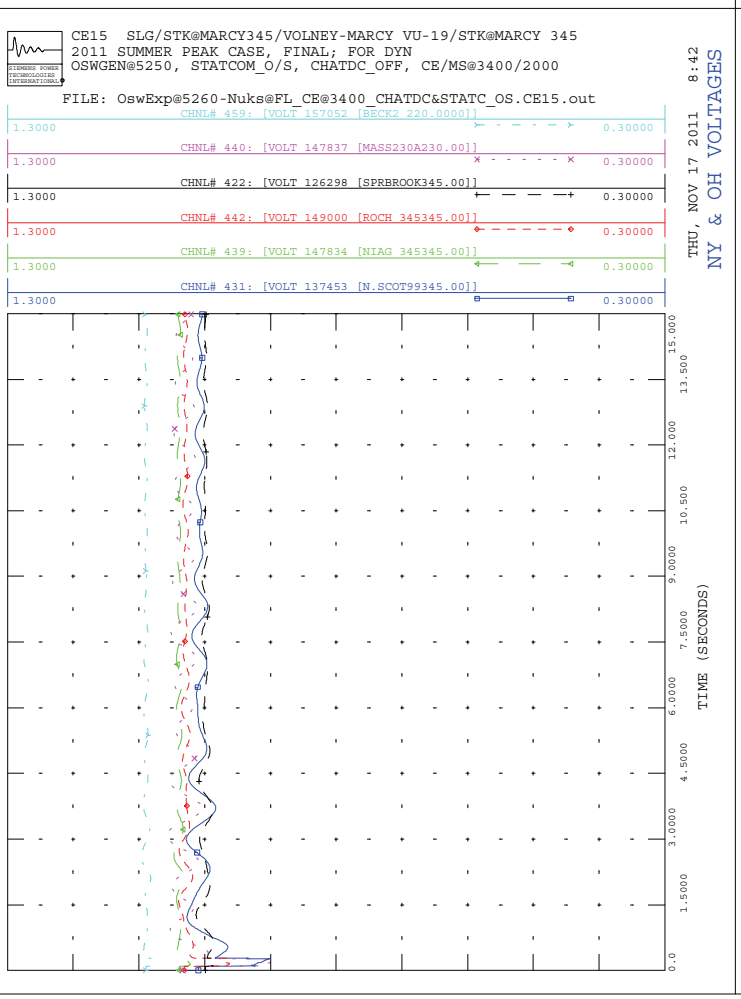
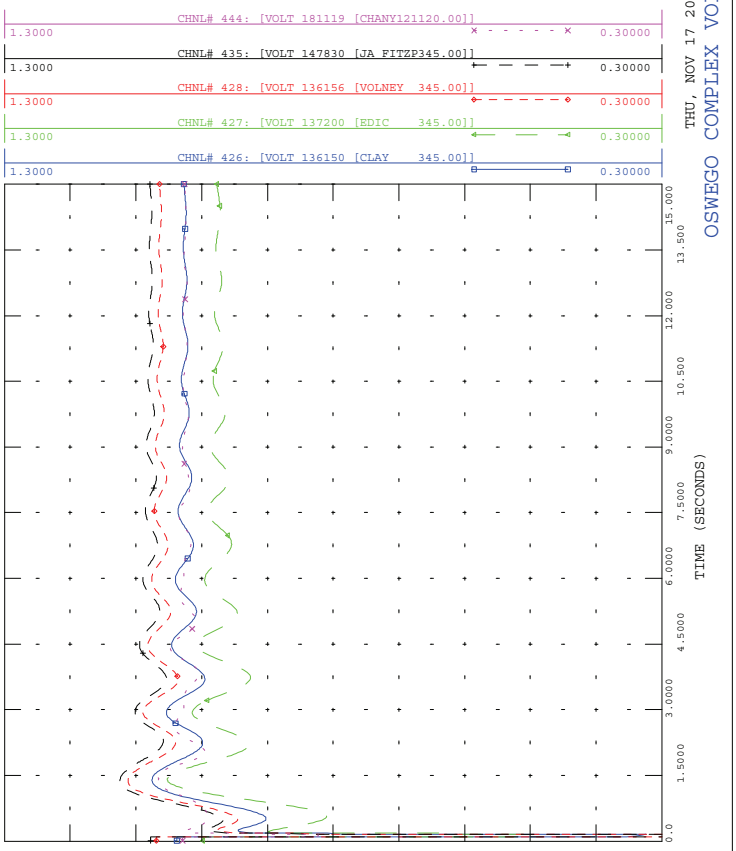
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:42
NY SVC VAR OUTPUT


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE15.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:42
NY & OH VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE33.out

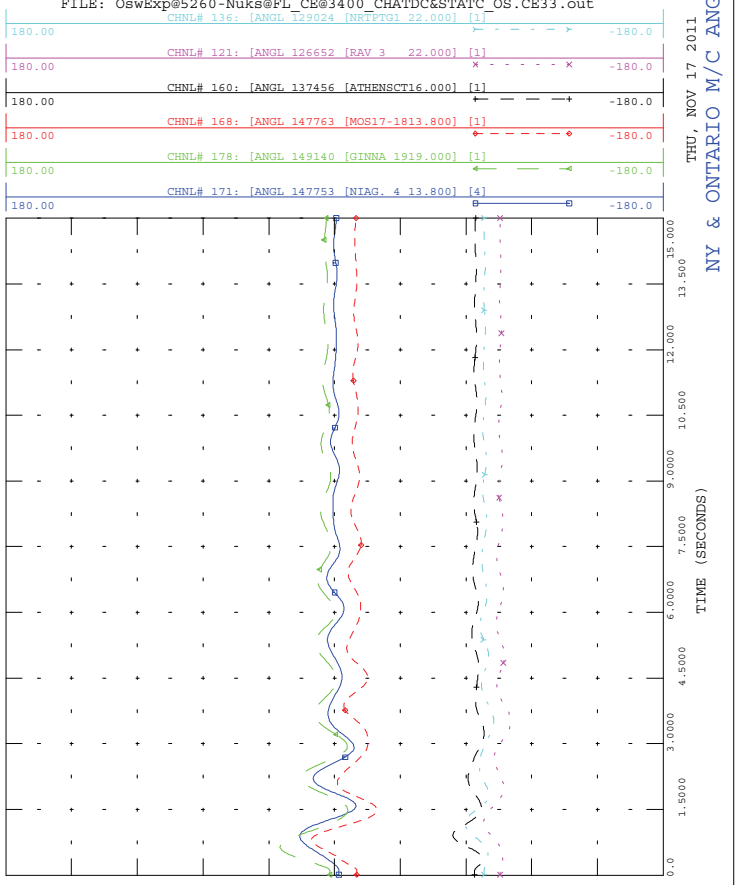


THU, NOV 17 2011 8:43

OSWEGO COMPLEX VOLTAGES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE33.out

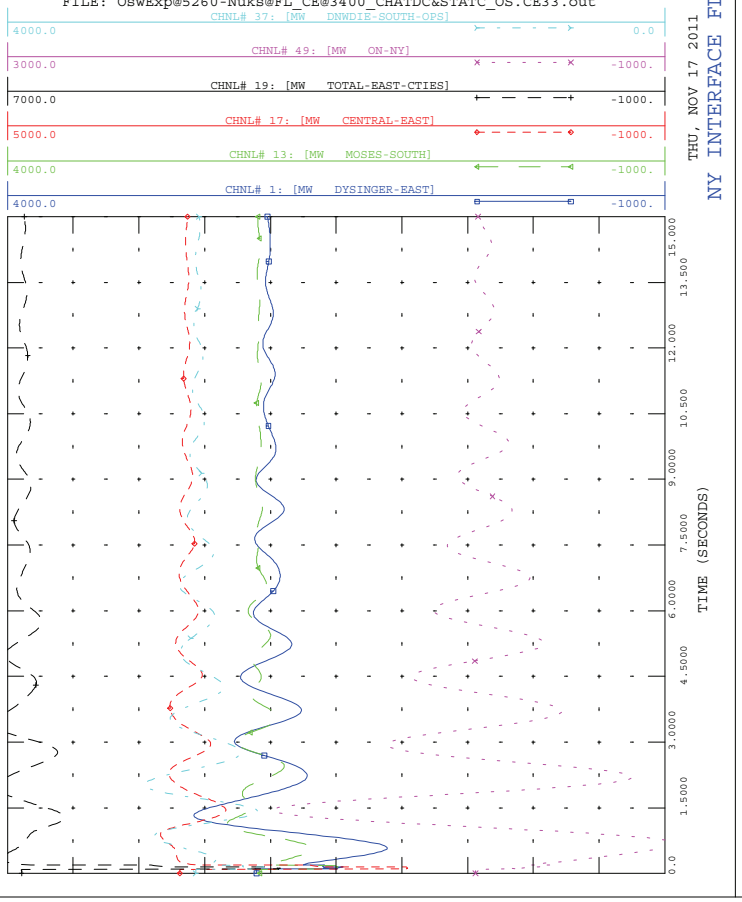


THU, NOV 17 2011 8:43

NY & ONTARIO M/C ANGLES

CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE33.out

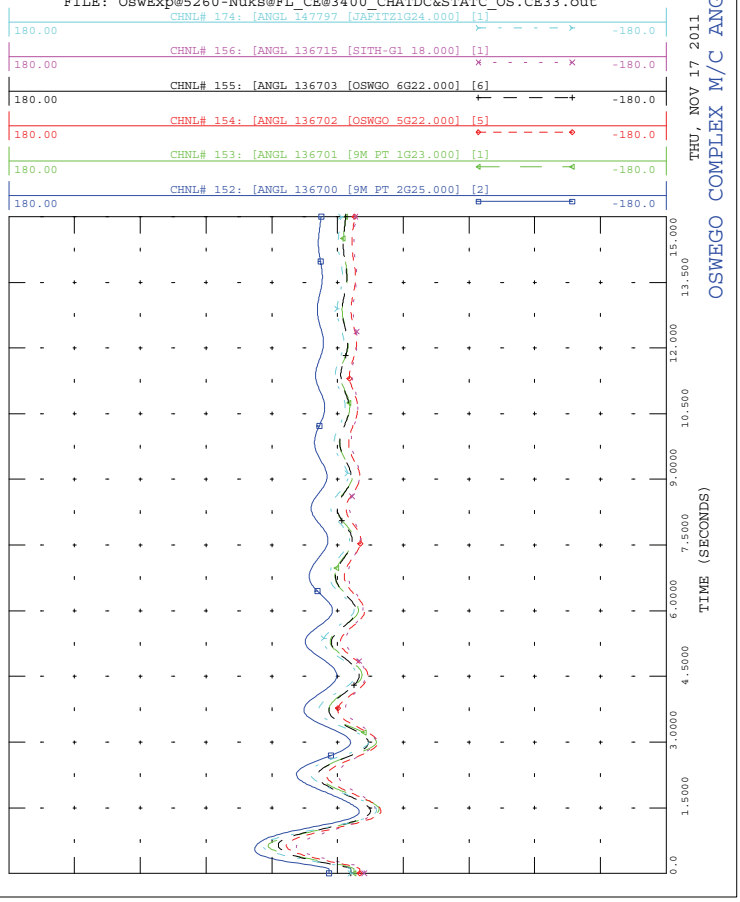


THU, NOV 17 2011 8:43

NY INTERFACE FLOWS

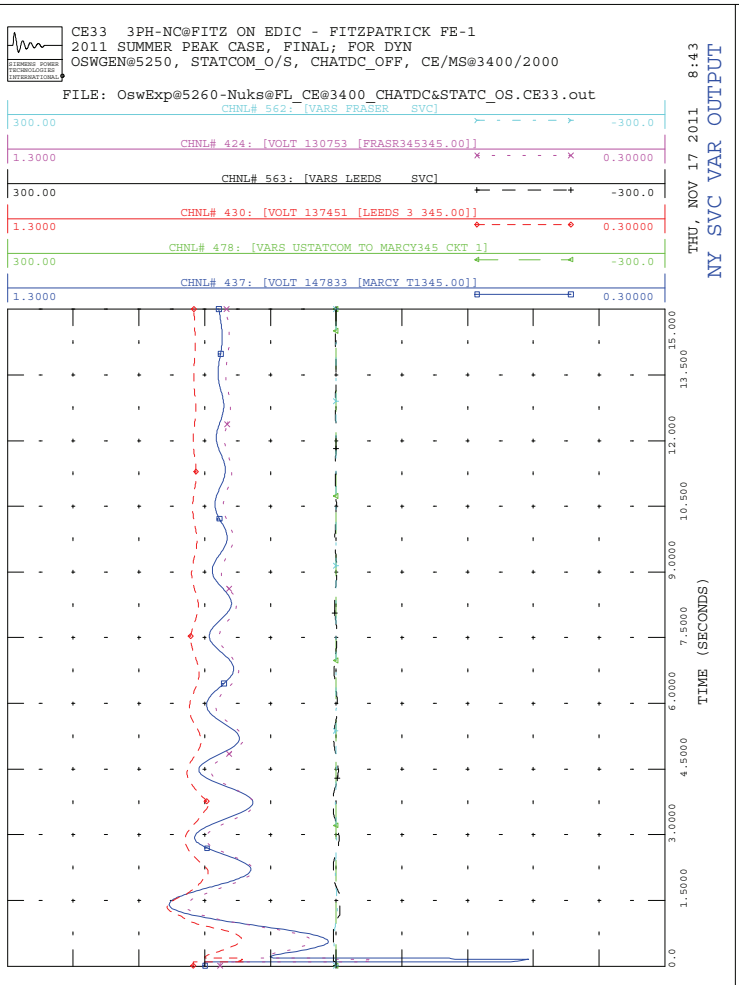
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE33.out



THU, NOV 17 2011 8:43

OSWEGO COMPLEX M/C ANGLES


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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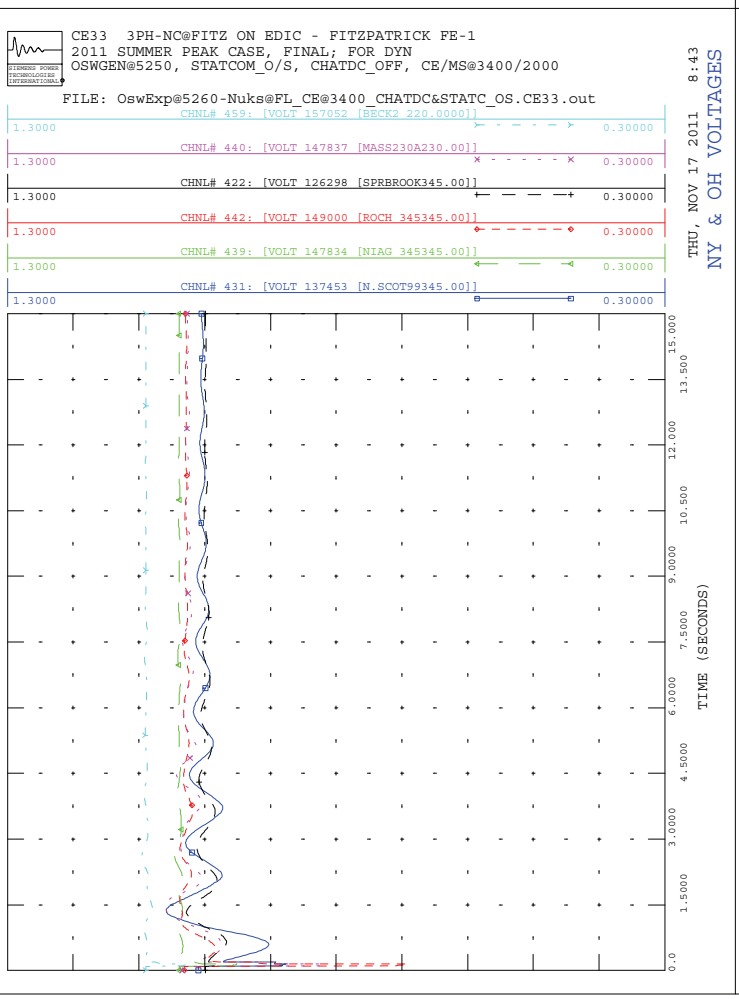
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:43
NY SVC VAR OUTPUT


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
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4.5000
6.0000
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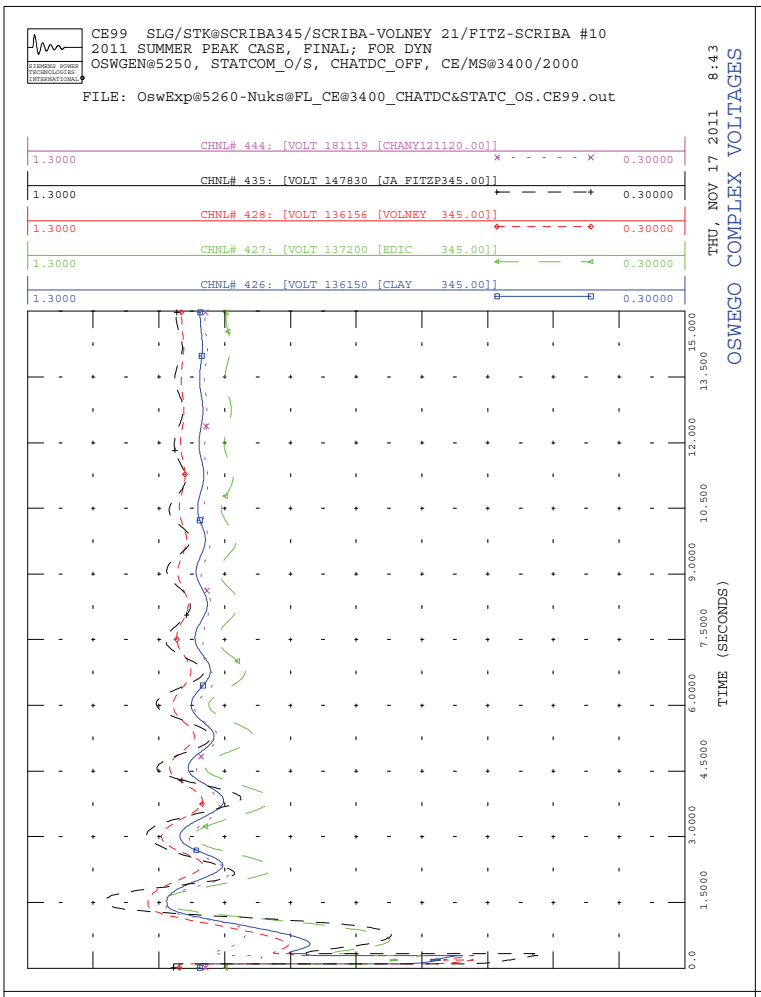
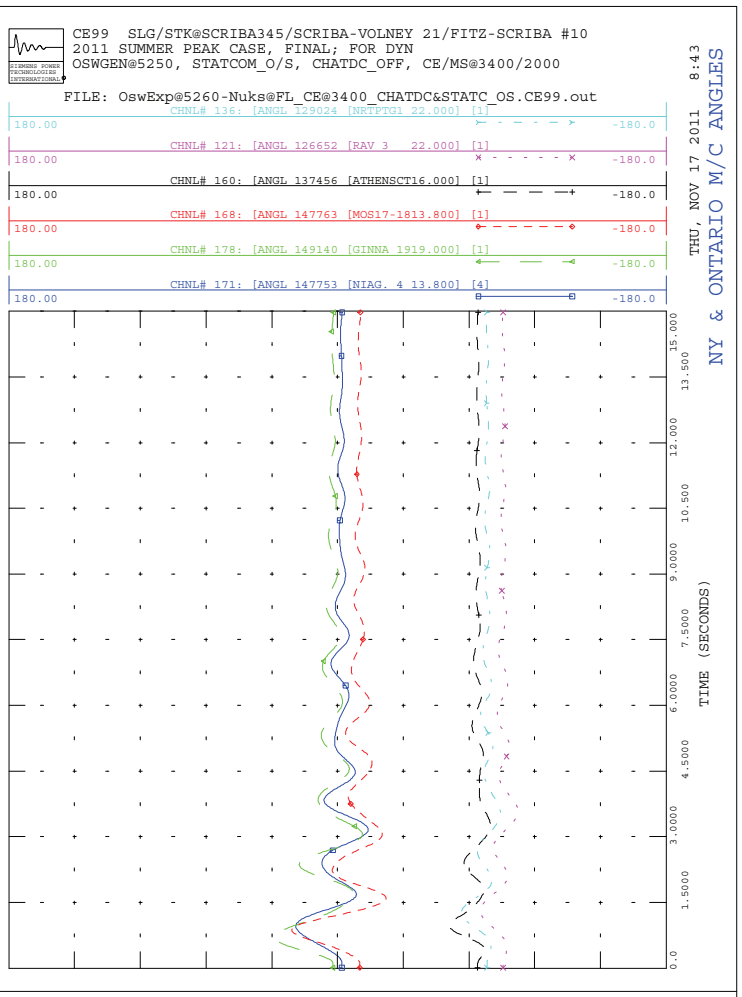
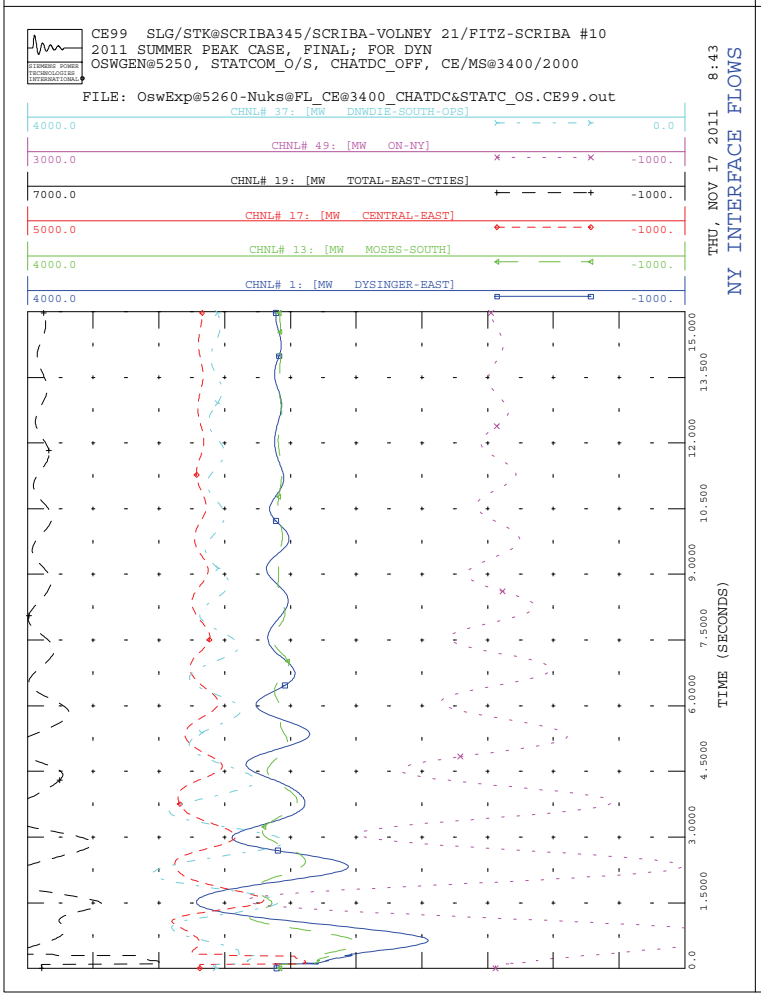
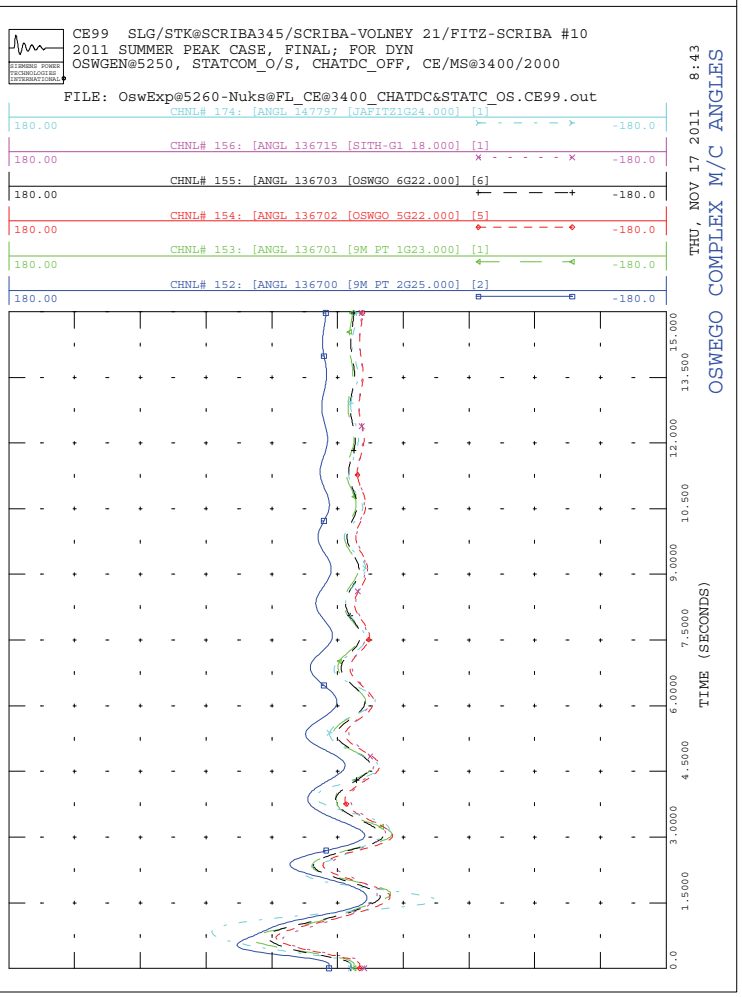
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:43
NY & OH VOLTAGES


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE99.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
1.3000
0.30000
THU, NOV 17 2011 8:43
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE99.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
180.00
-180.0
THU, NOV 17 2011 8:43
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
4000.0
3000.0
7000.0
5000.0
0.0
-1000.
THU, NOV 17 2011 8:43
NY INTERFACE FLOWS
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
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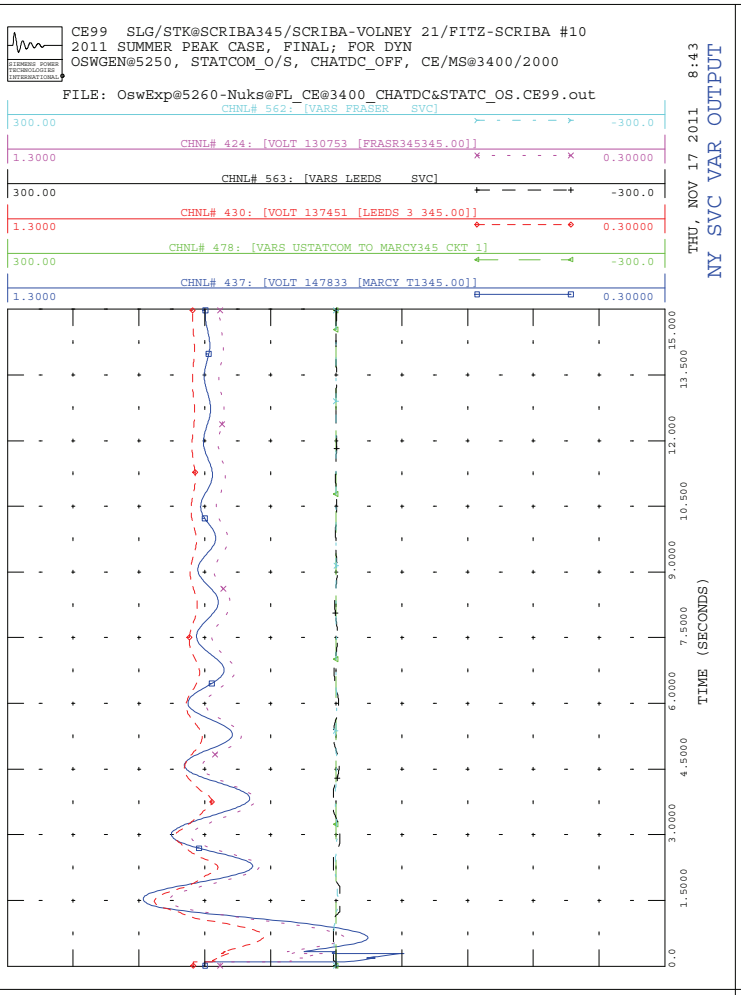
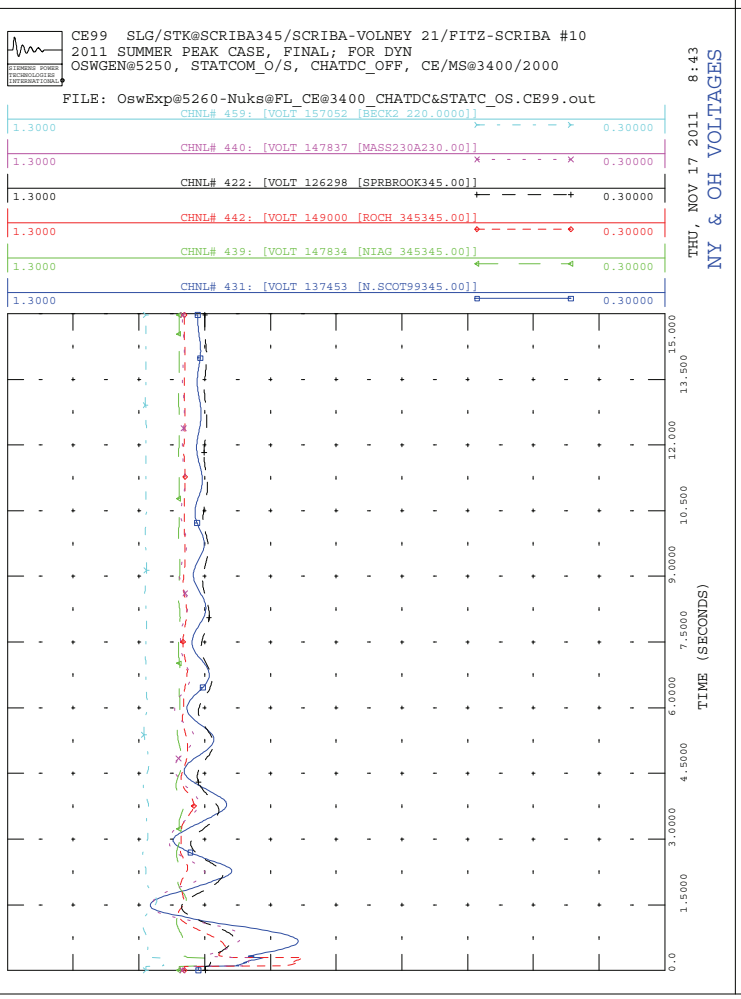
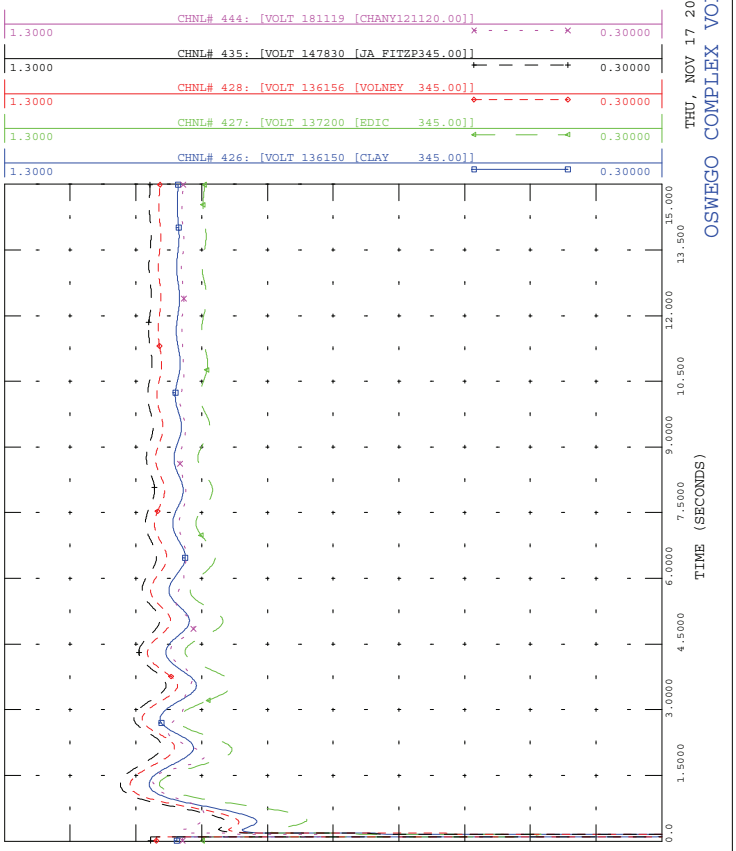
-180.0
THU, NOV 17 2011 8:43
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:43
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:43
NY & OH VOLTAGES

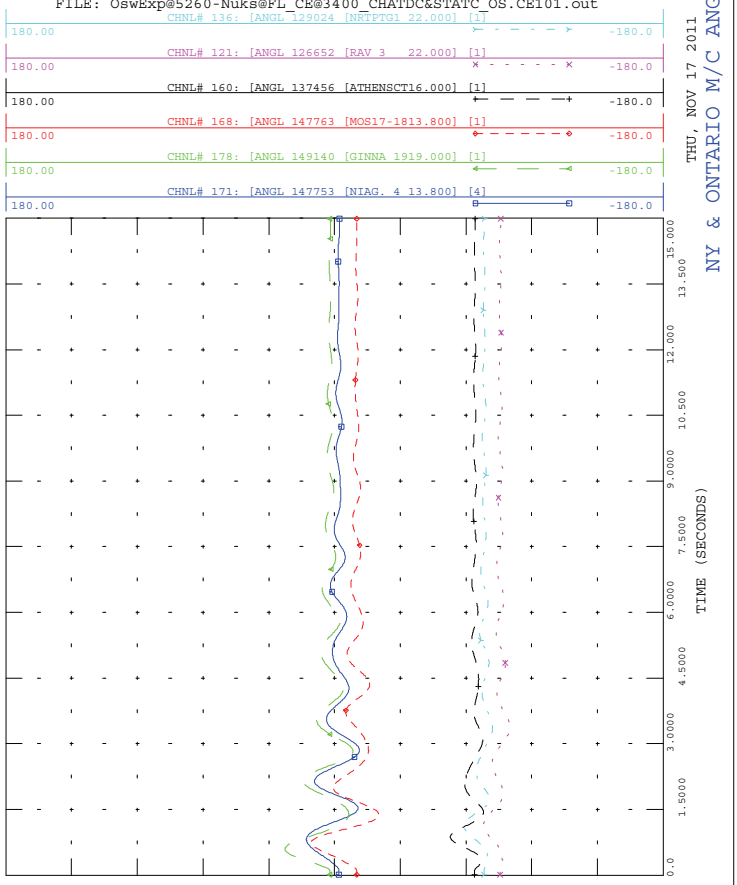
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE101.out



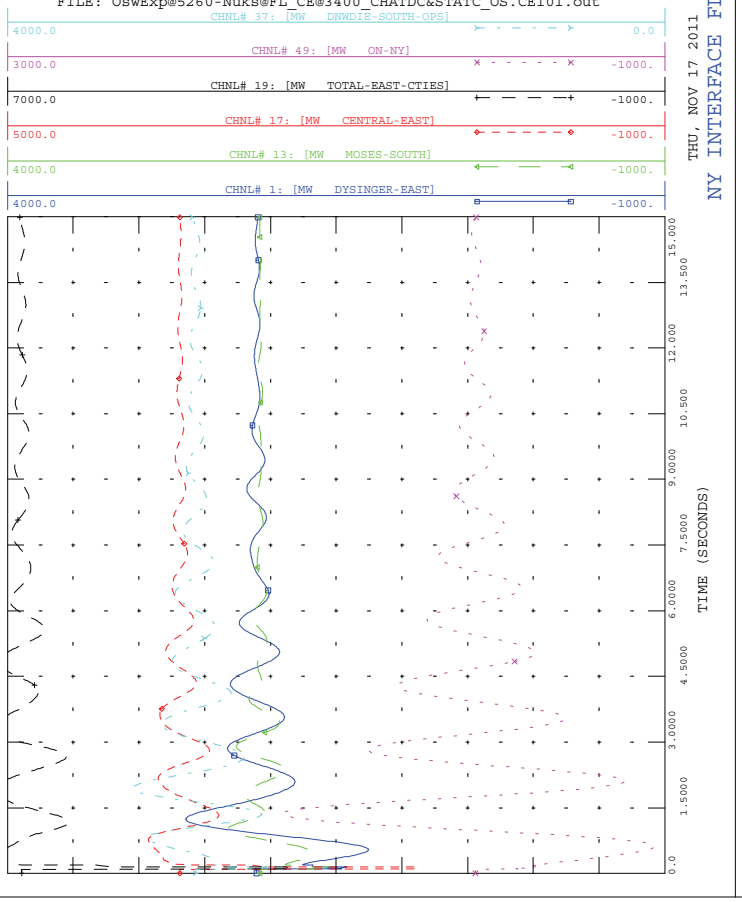
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE101.out



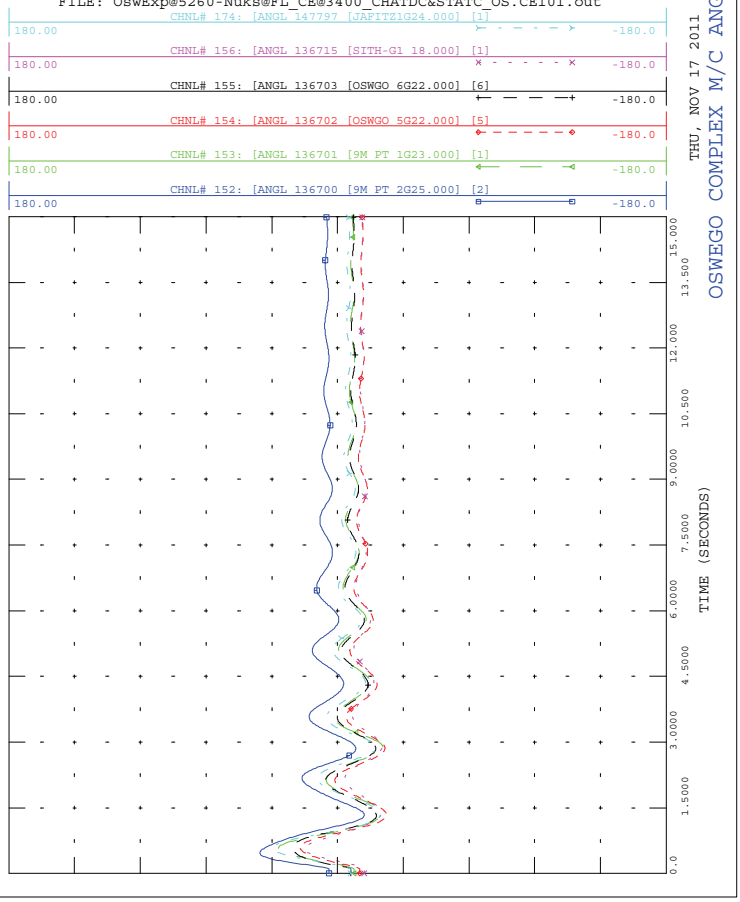
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

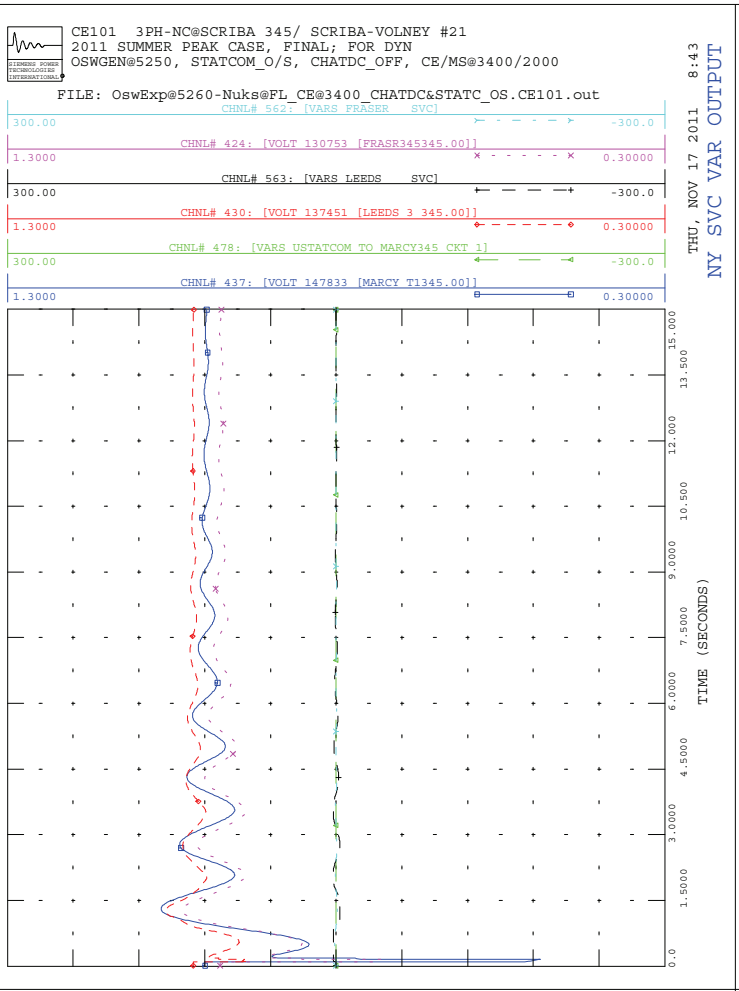
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE101.out

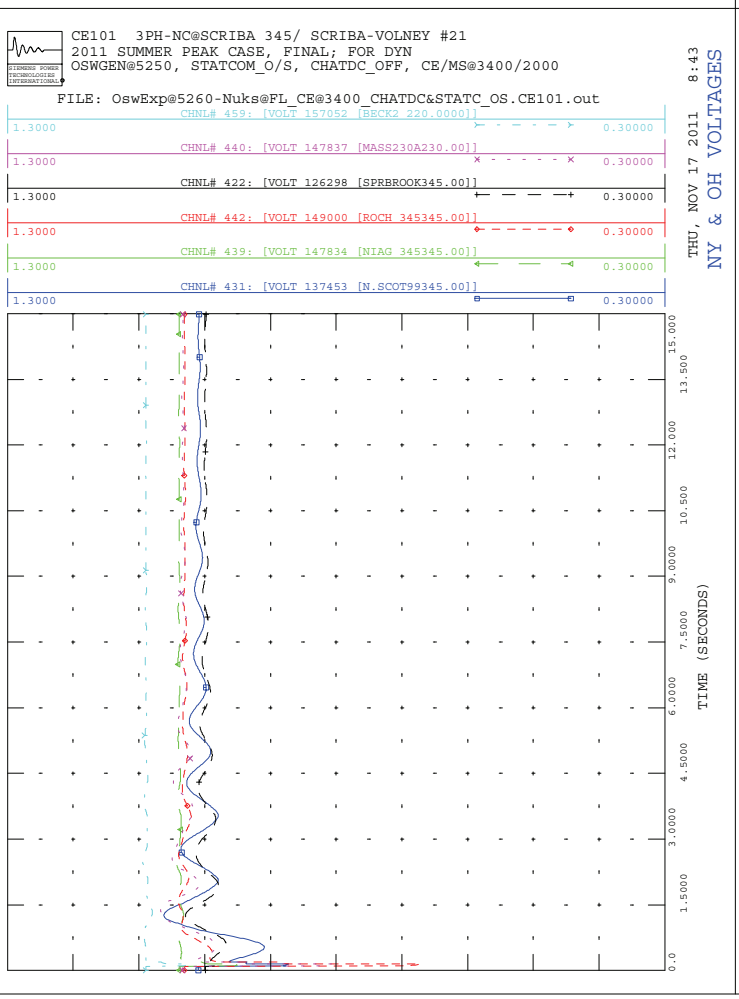


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE101.out

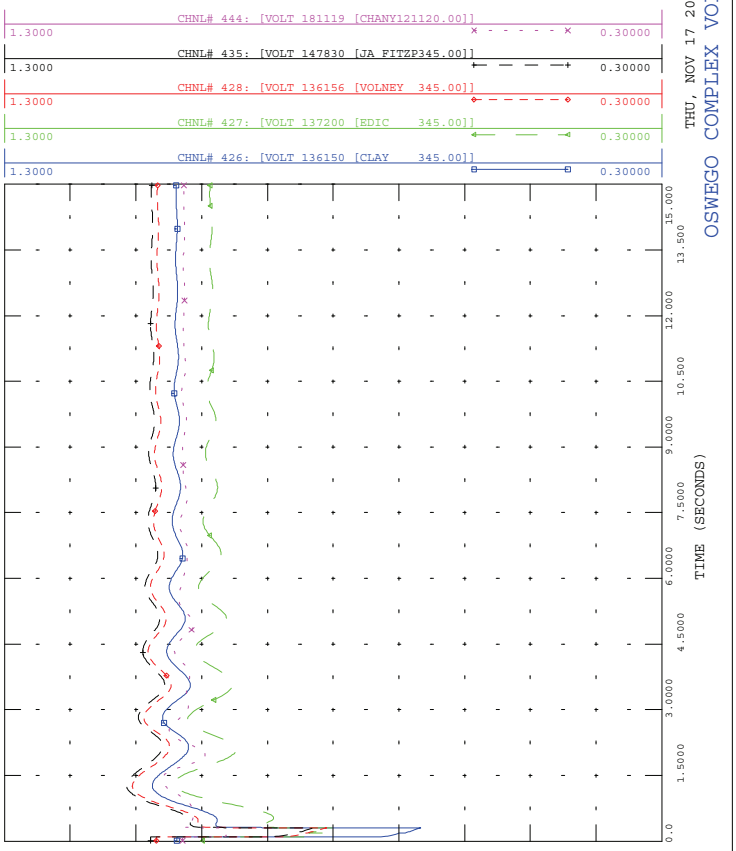



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE101.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:43
NY SVC VAR OUTPUT


CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.CE101.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
THU, NOV 17 2011 8:43
NY & OH VOLTAGES

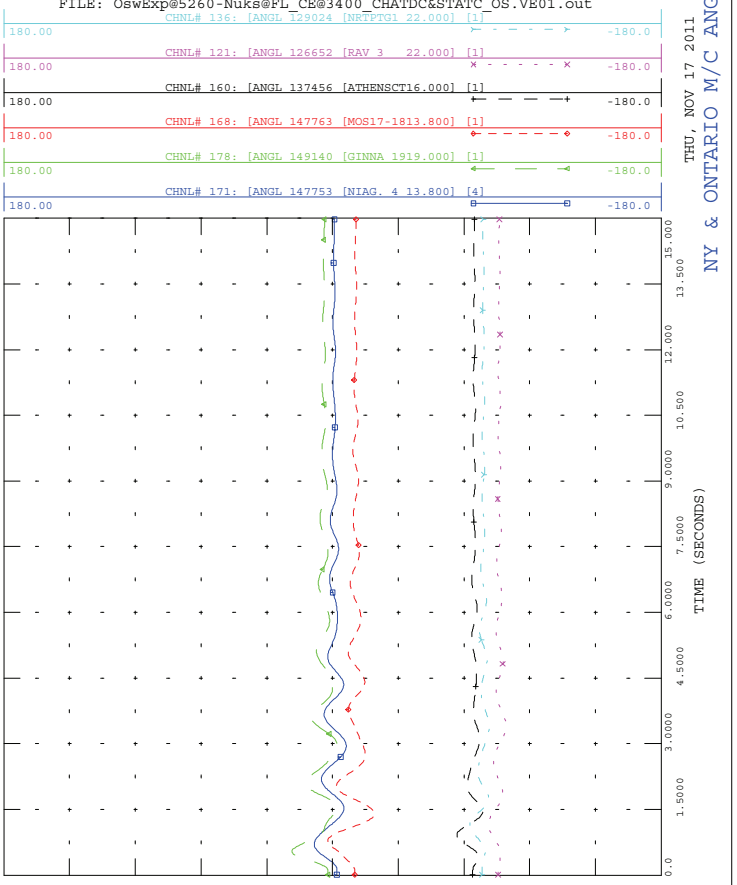
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.VE01.out



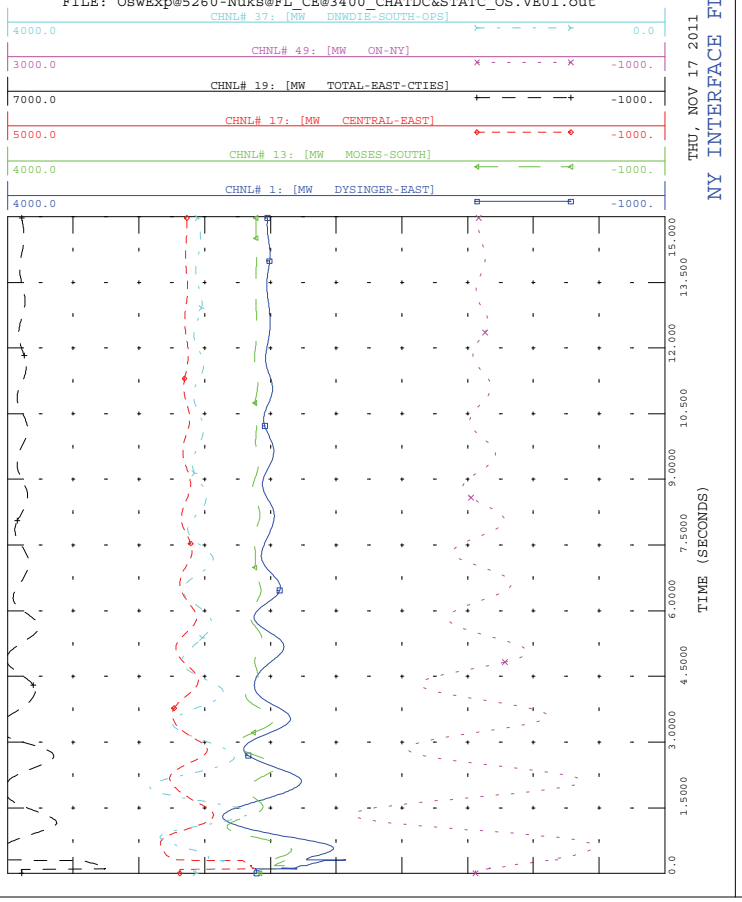
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.VE01.out



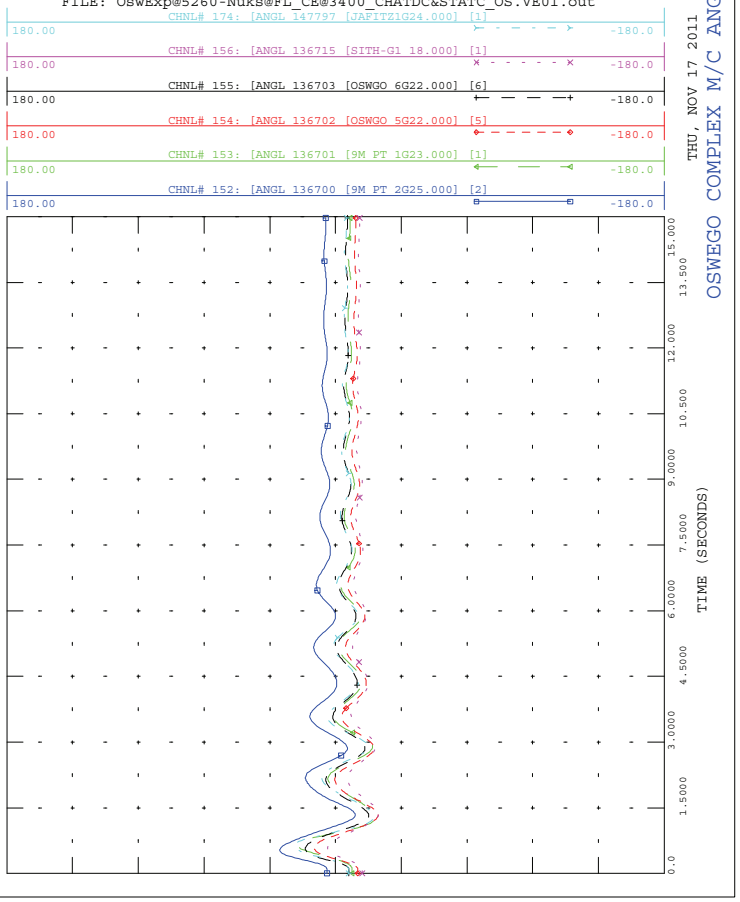
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.VE01.out



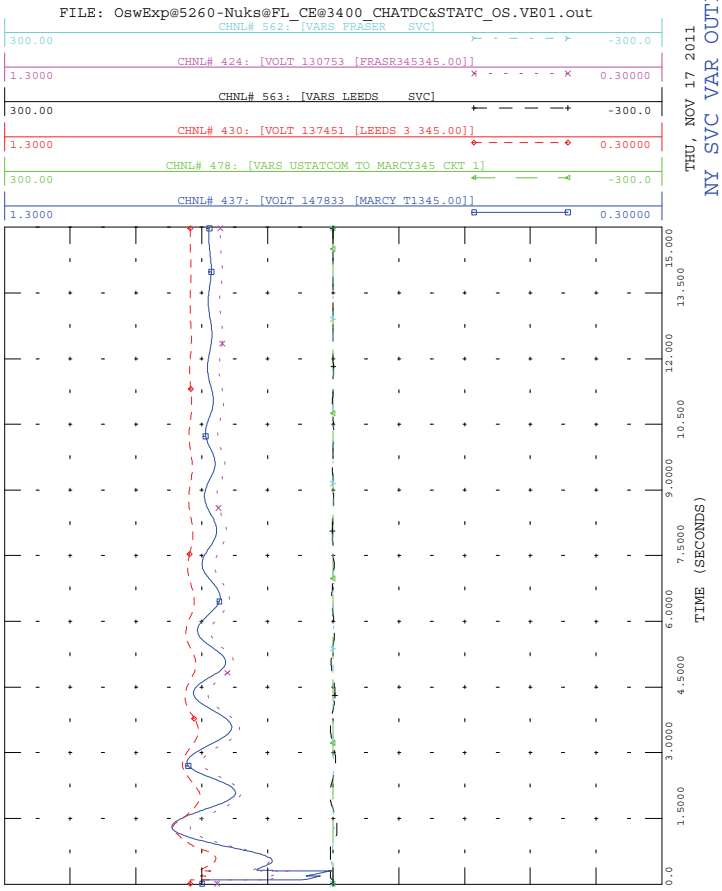
VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.VE01.out

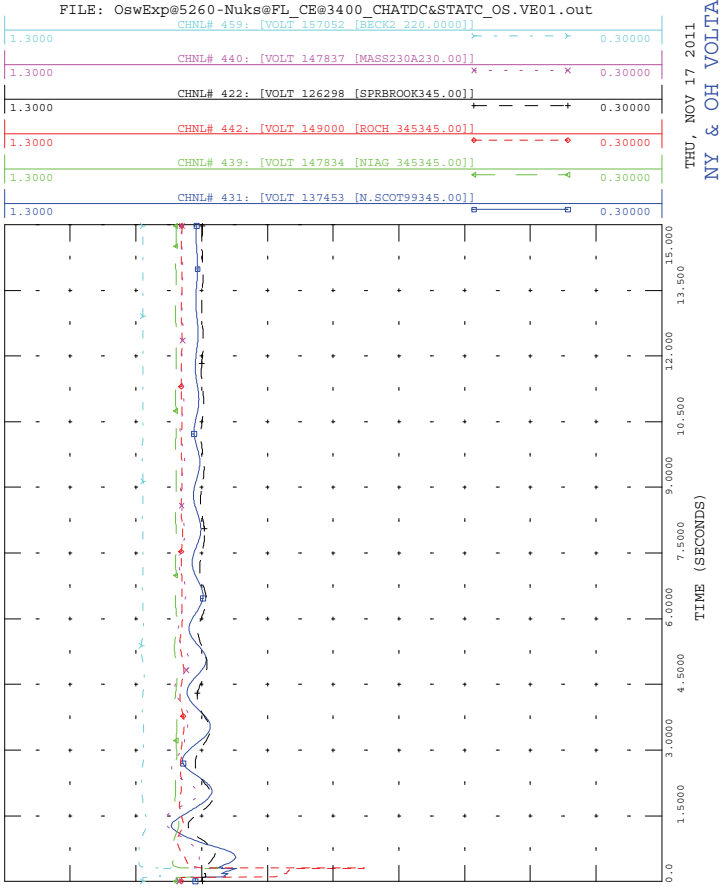


THU, NOV 17 2011 8:43

NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250, STATCOM_O/S, CHATDC_OFF, CE/MS@3400/2000

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&STATC_OS.VE01.out



THU, NOV 17 2011 8:43

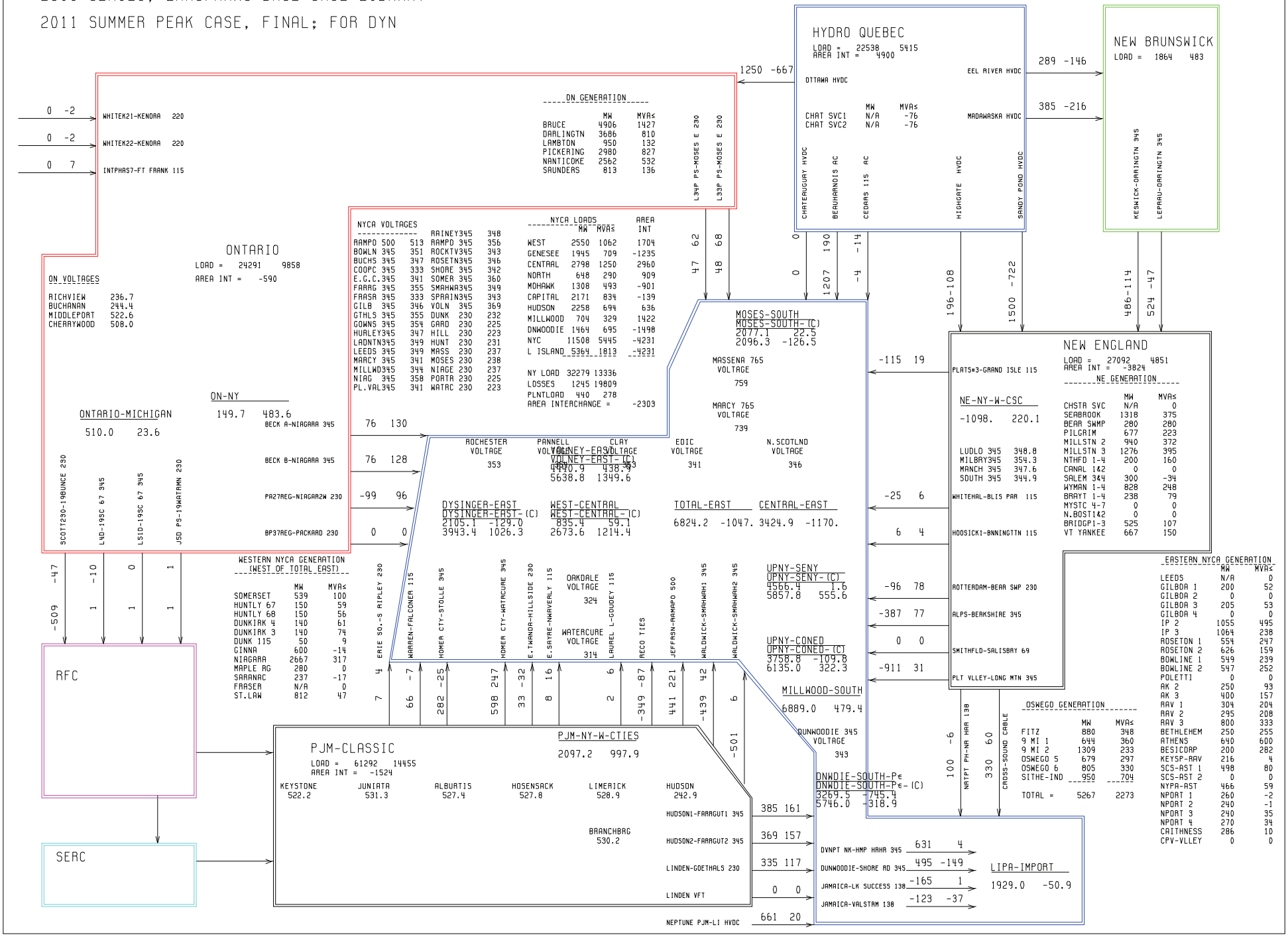
NY & OH VOLTAGES

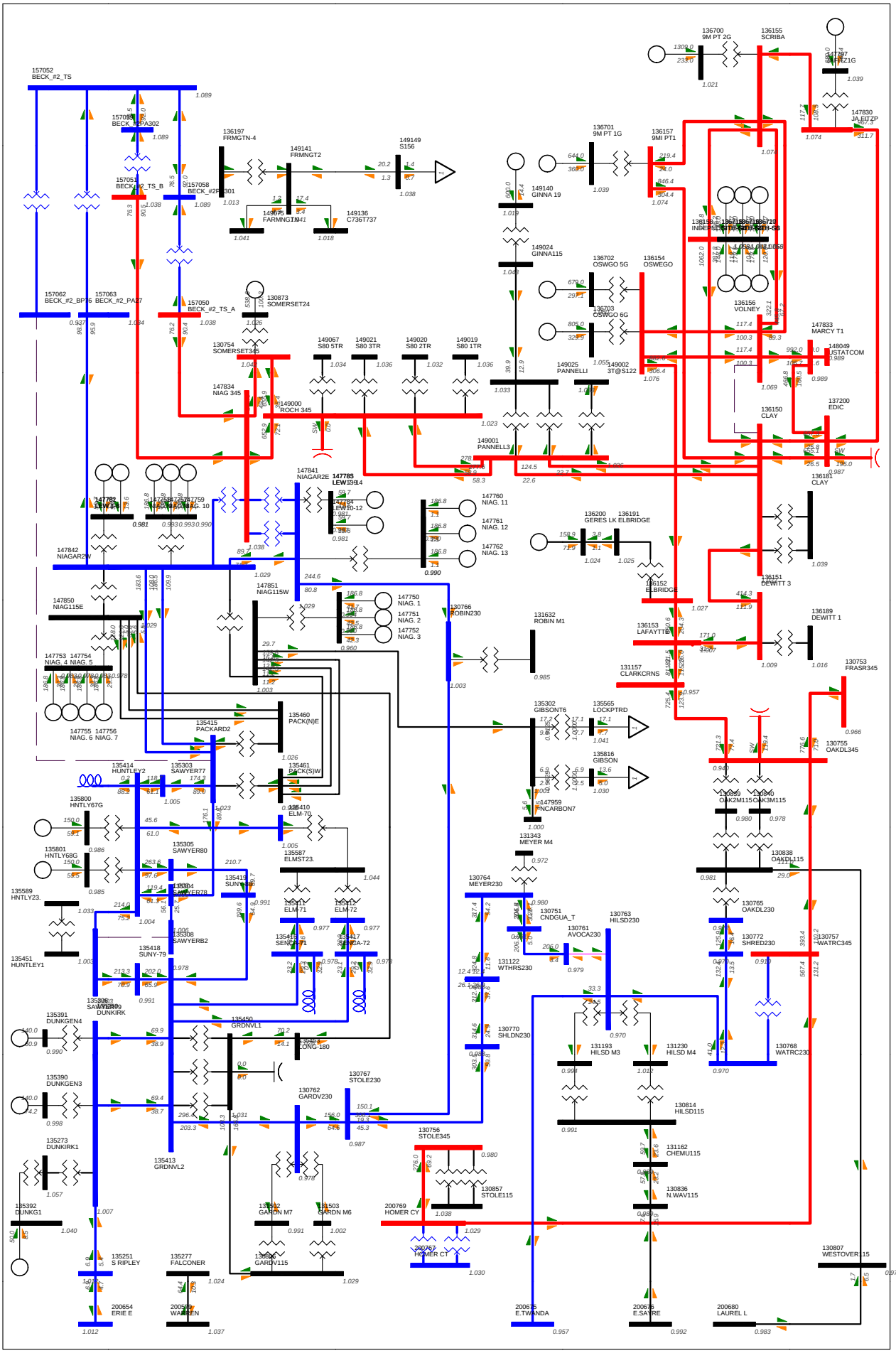
APPENDIX M: Oswego Export Limit – Volney-Clay (#6) _Outage

- **GRPG Diagram**
- **One-line Diagram**
- **Simulation of Plots of Select Critical Contingencies**

2010 SERIES, ERAG/MMWG BASE CASE LIBRARY

2011 SUMMER PEAK CASE, FINAL; FOR DYN





2010 SERIES, ERAG/MMWG BASE CASE LIBRARY
2011 SUMMER PEAK CASE, FINAL; FOR DYN
FRI, NOV 18 2011 8:45

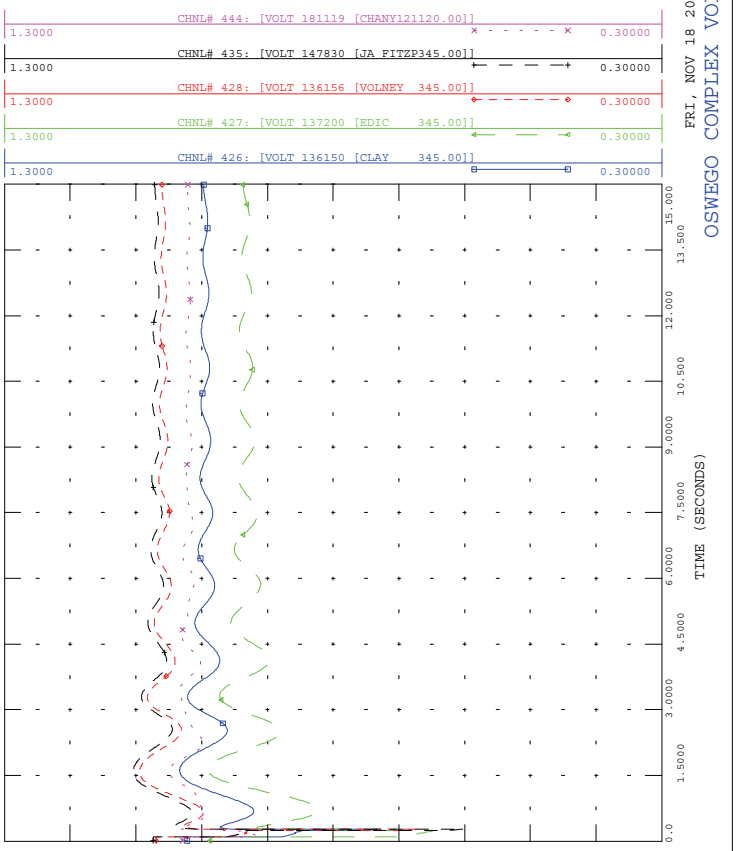
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000

WESTERN NYISO

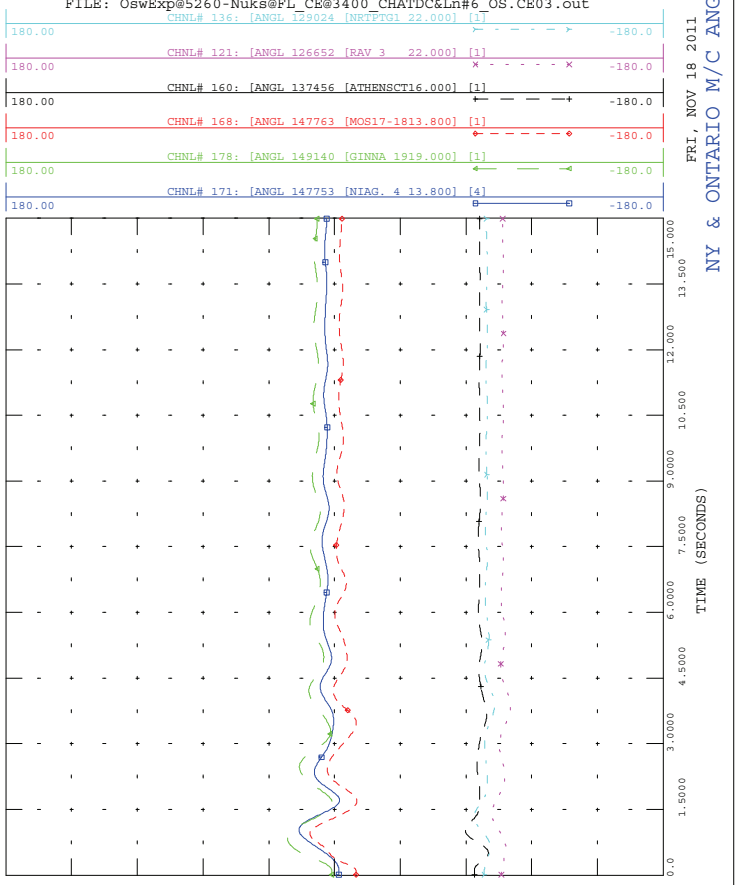
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE03.out



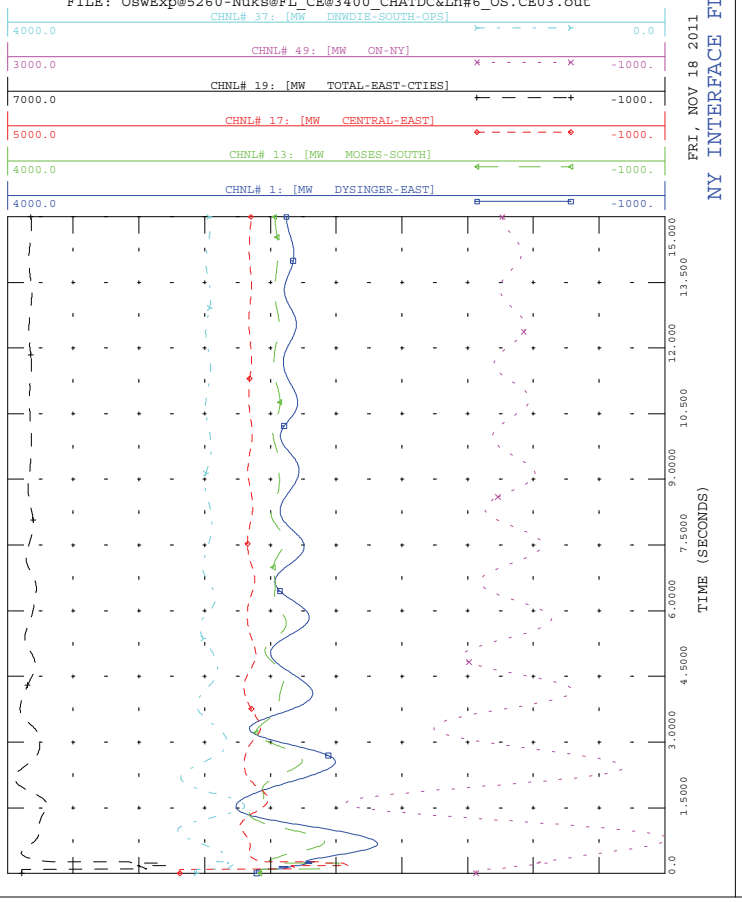
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE03.out



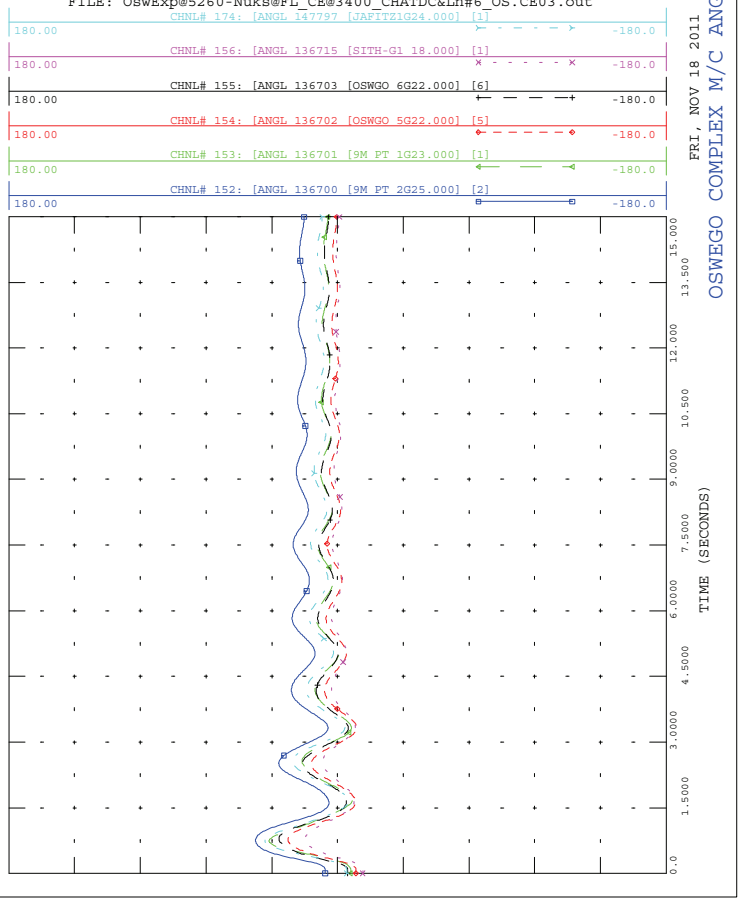
CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

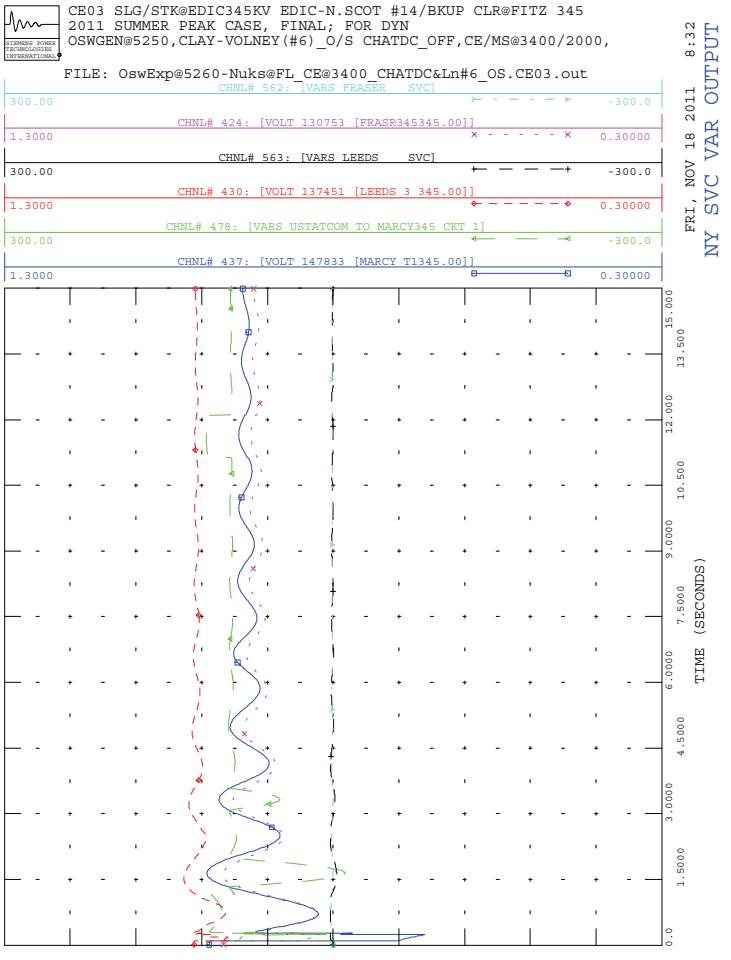
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE03.out

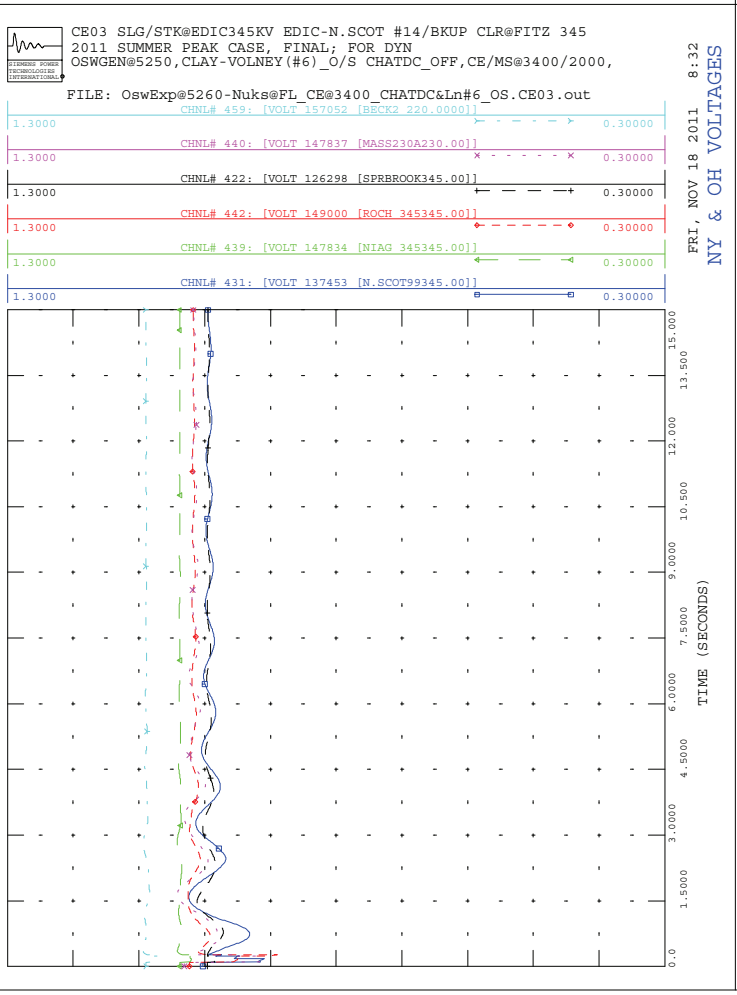


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE03.out




CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE03.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 18 2011 8:32
NY SVC VAR OUTPUT


CE03 SLG/STK@EDIC345KV EDIC-N.SCOT #14/BKUP CLR@FITZ 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE03.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
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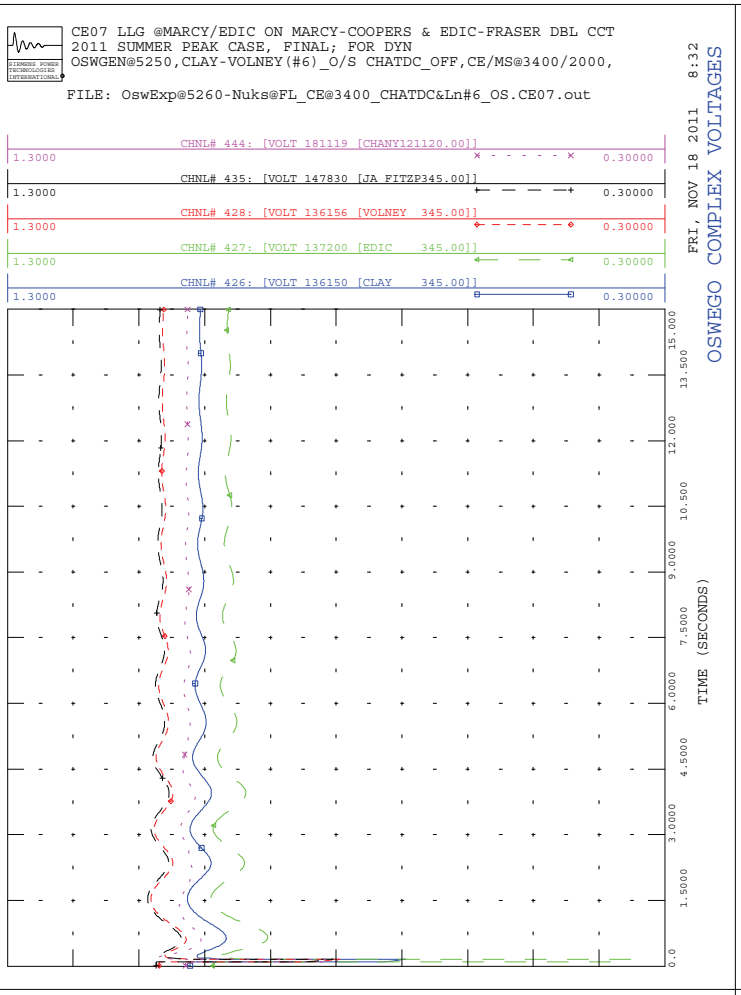
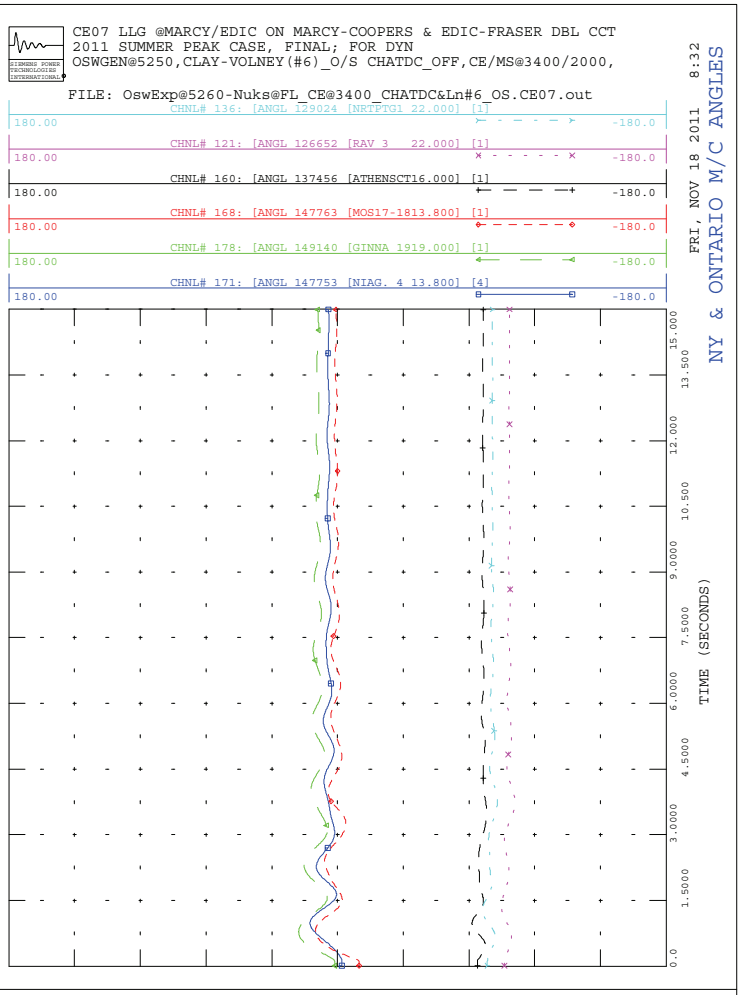
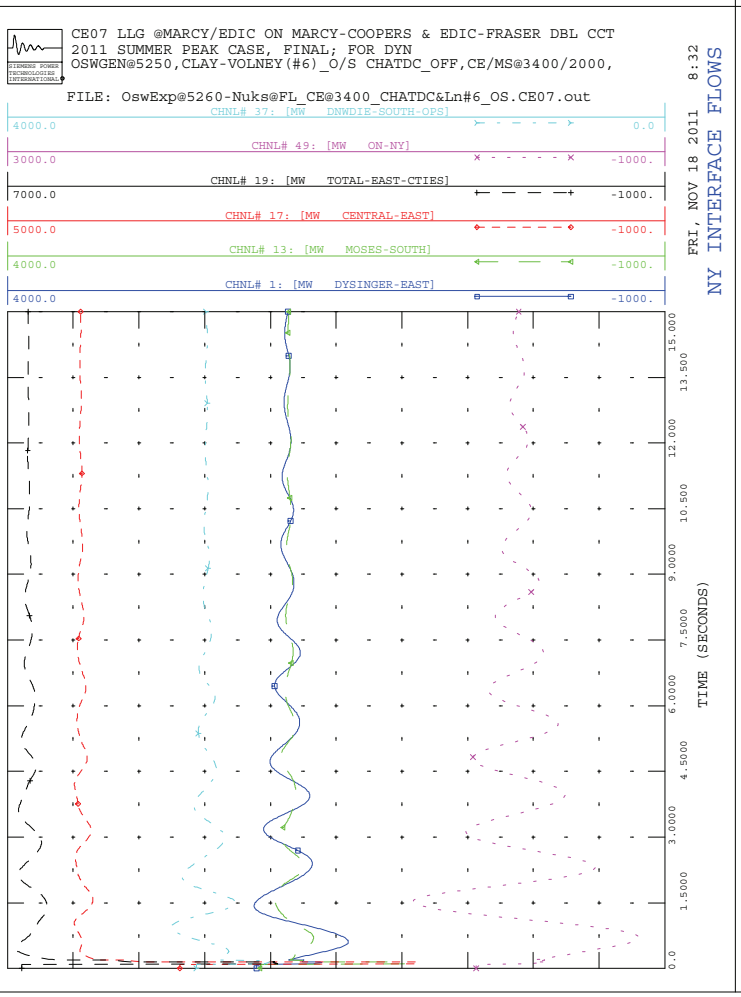
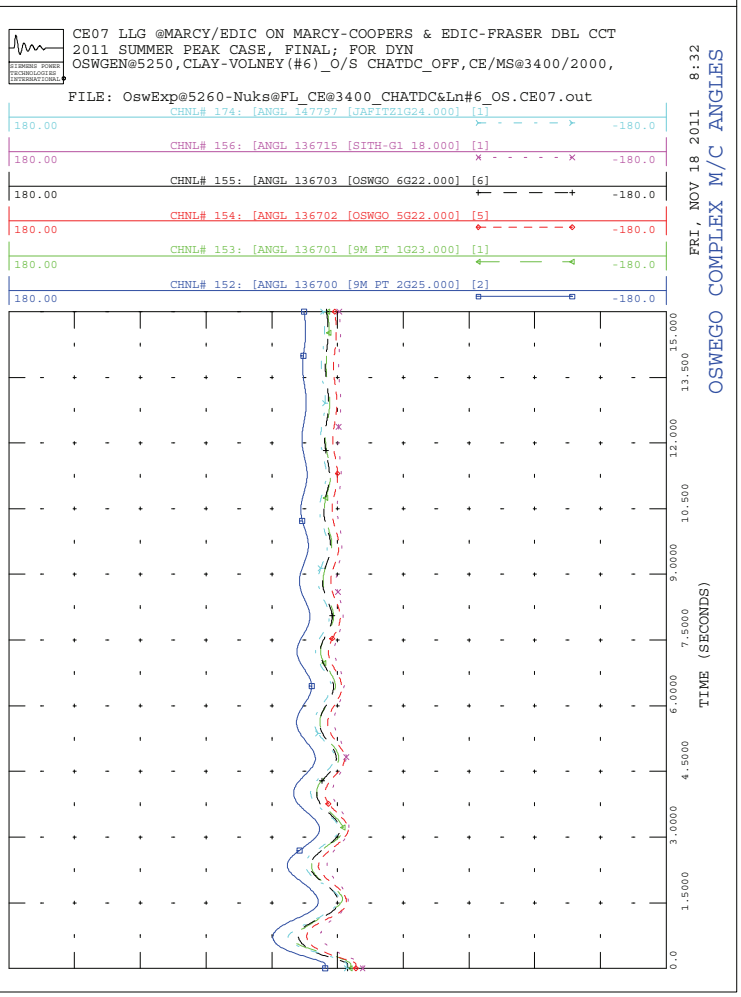
TIME (SECONDS)
FRI, NOV 18 2011 8:32
NY & OH VOLTAGES


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE07.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 18 2011 8:32
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE07.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
FRI, NOV 18 2011 8:32
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE07.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 18 2011 8:32
NY INTERFACE FLOWS
TIME (SECONDS)


CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE07.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
FRI, NOV 18 2011 8:32
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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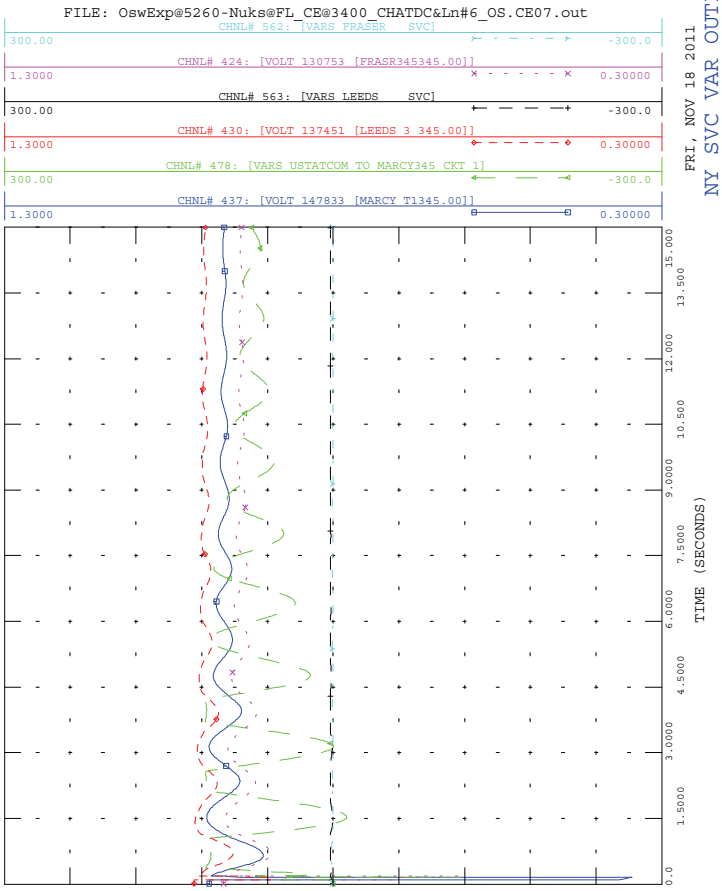
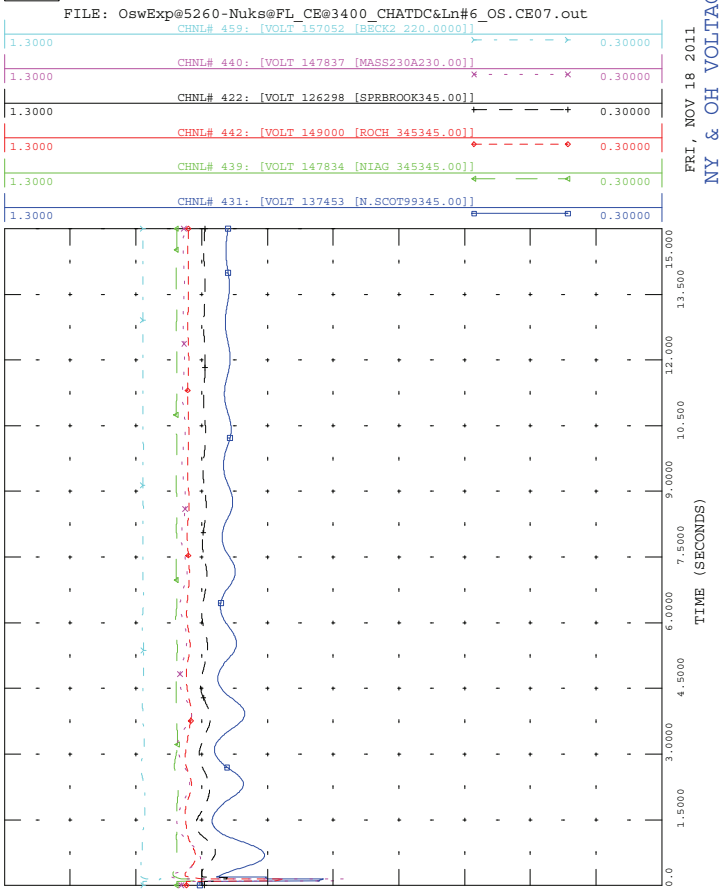


FRI, NOV 18 2011 8:32

NY SVC VAR OUTPUT

CE07 LLG @MARCY/EDIC ON MARCY-COOPERS & EDIC-FRASER DBL CCT
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE07.out



FRI, NOV 18 2011 8:32

NY & OH VOLTAGES

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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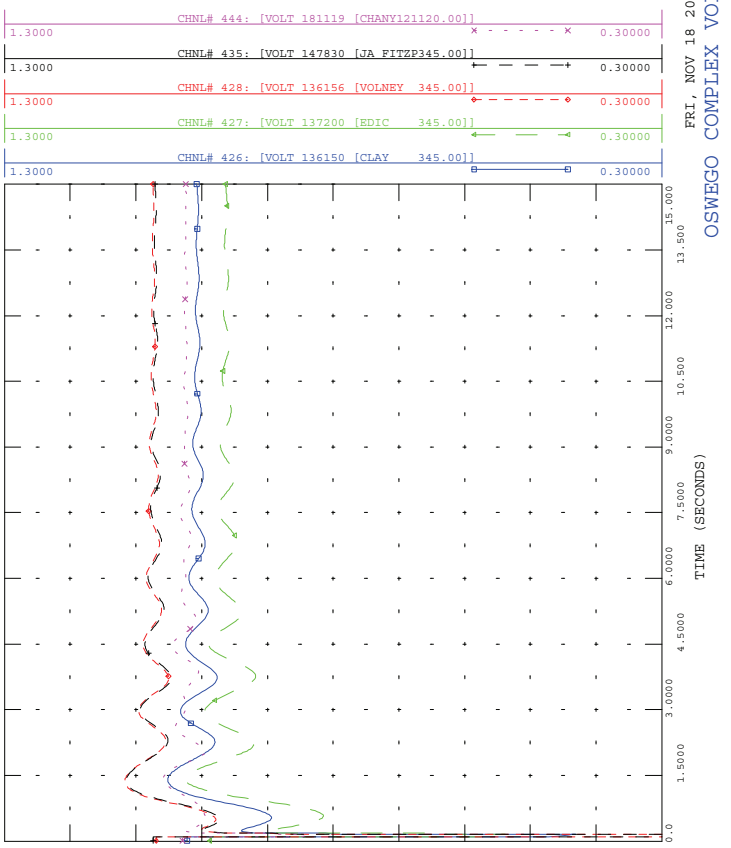

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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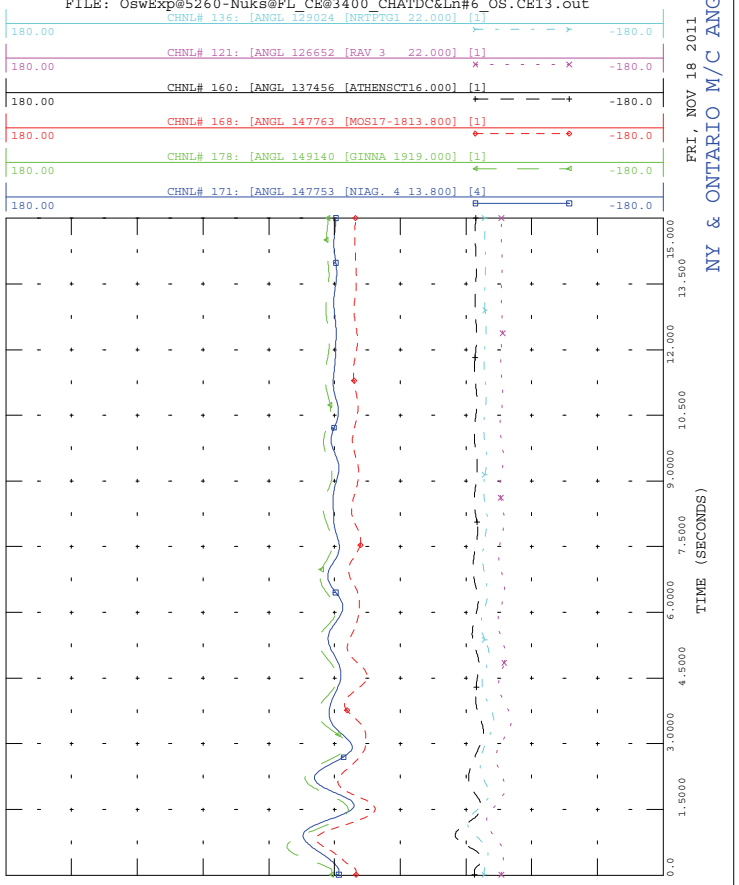

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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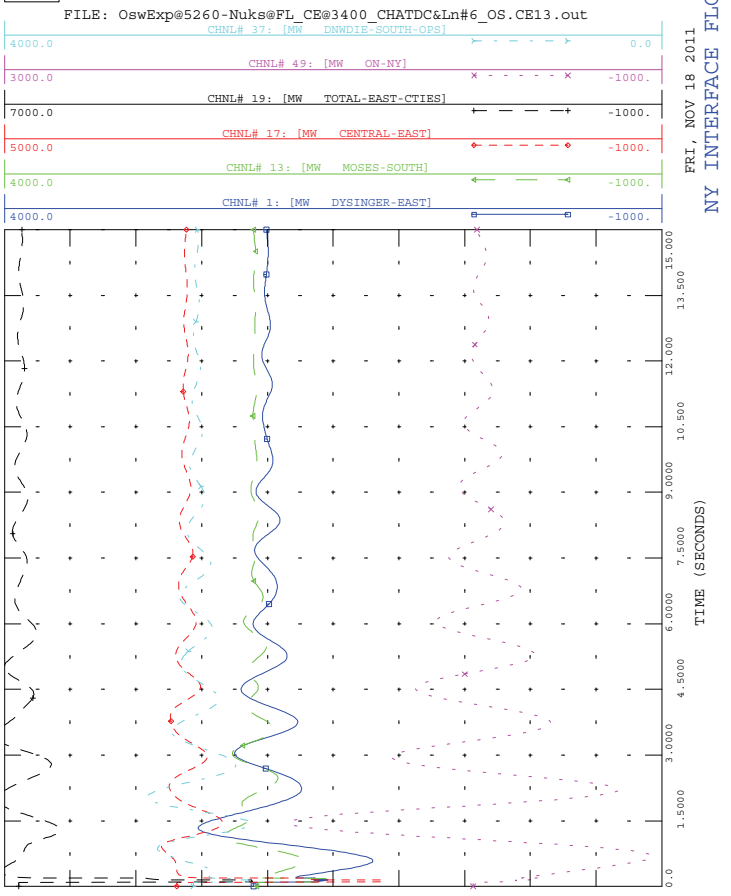
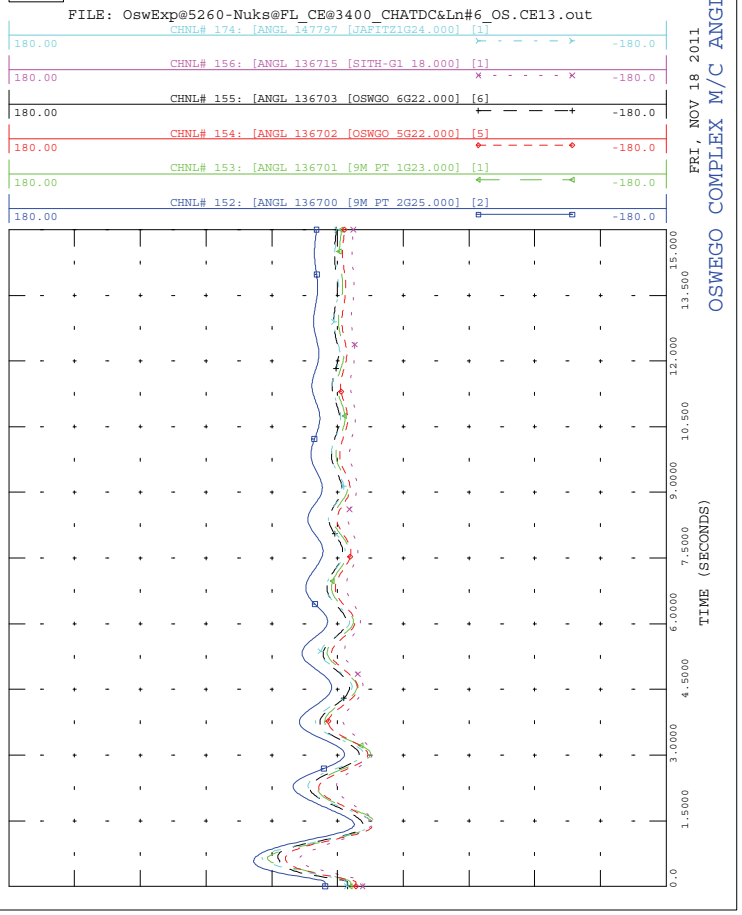


CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE13.out



CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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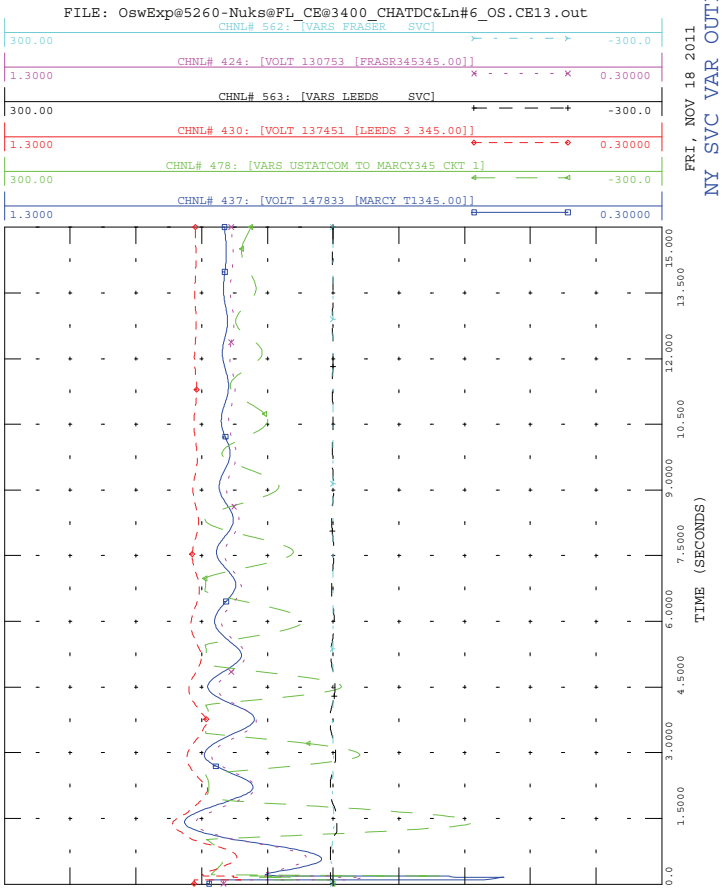

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NY SVC VAR OUTPUT

CE13 3PH@VOLNEY 345KV VOLNEY-MARCY VU-19 NORM.CLR.
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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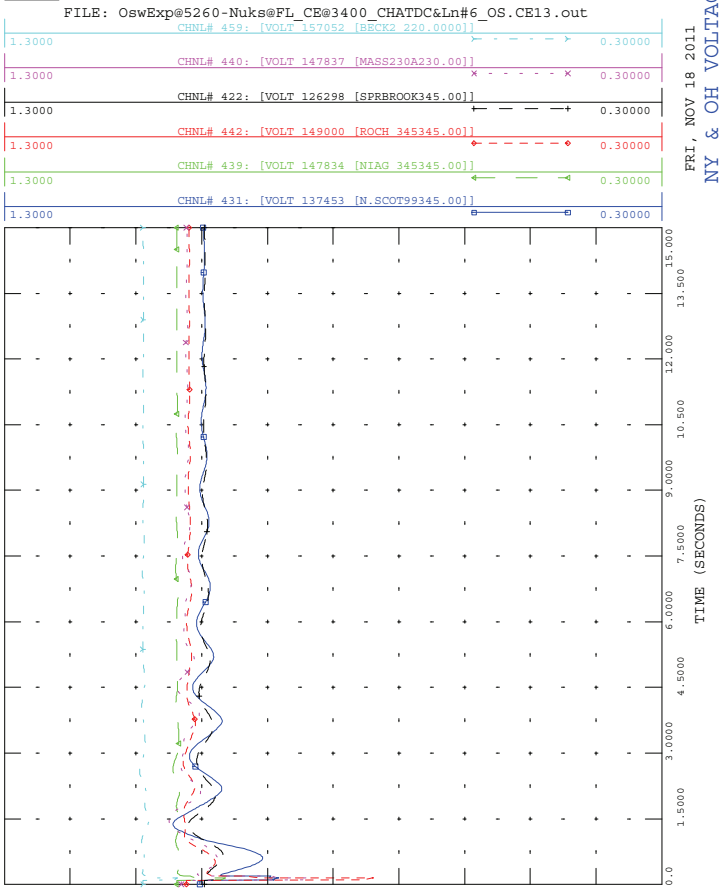

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NY & OH VOLTAGES

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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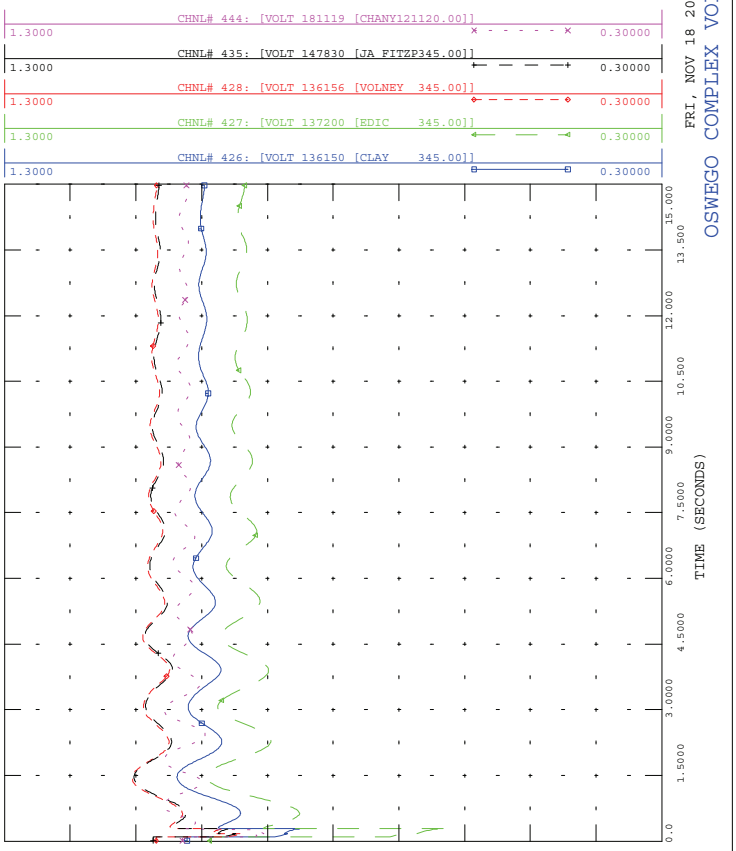
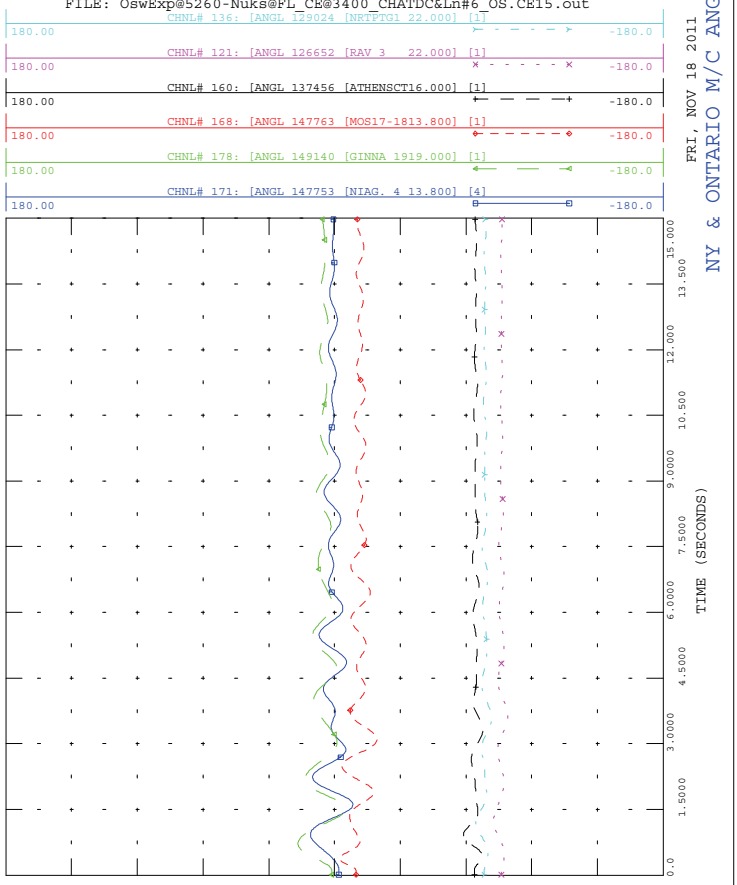


CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE15.out



CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
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OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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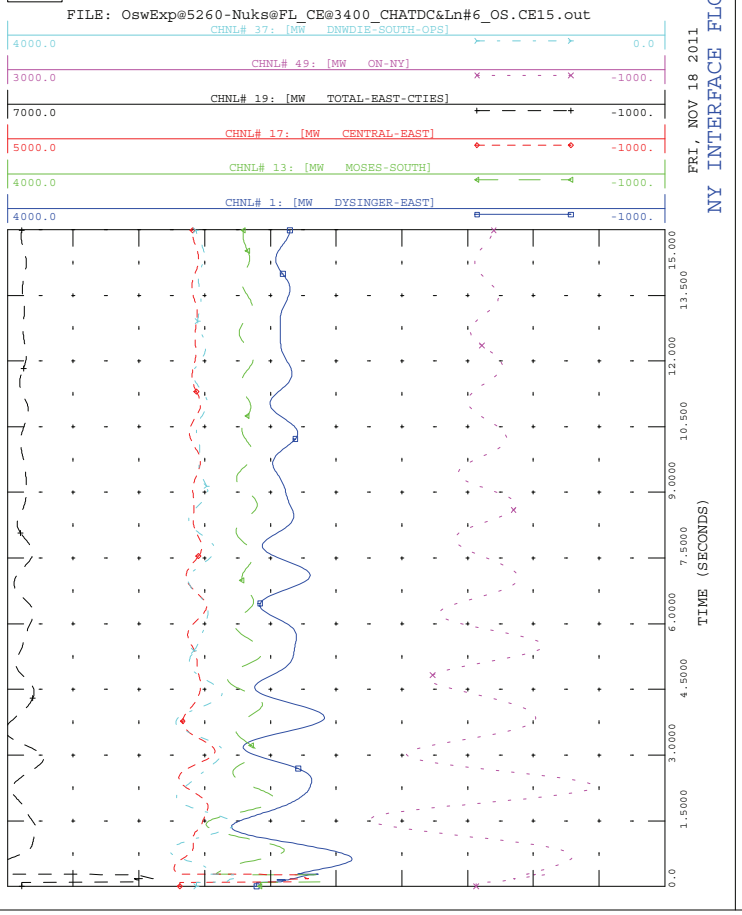

CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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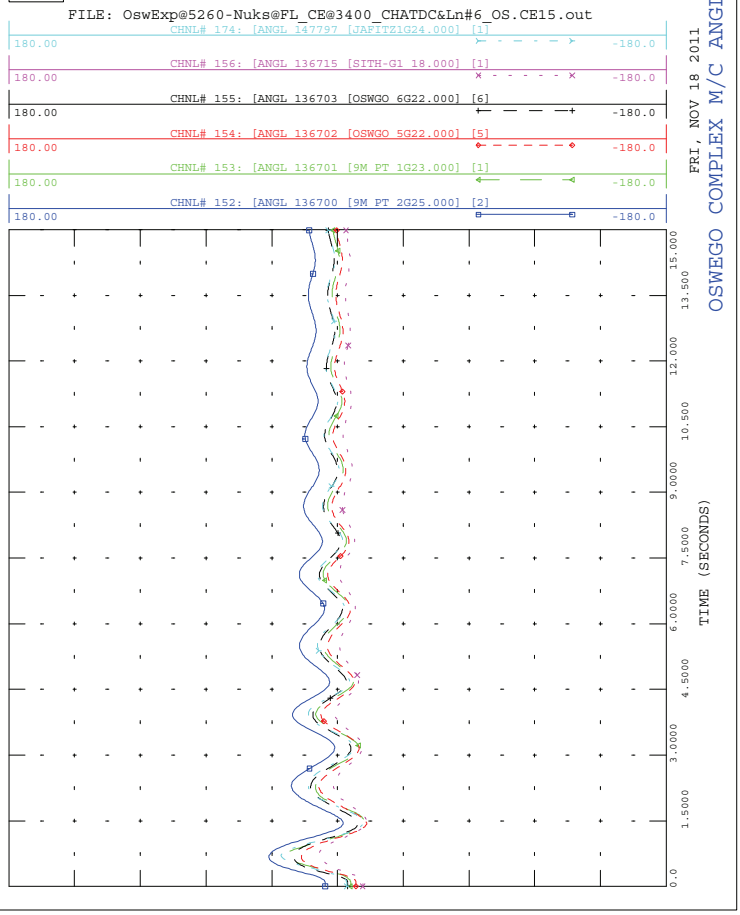

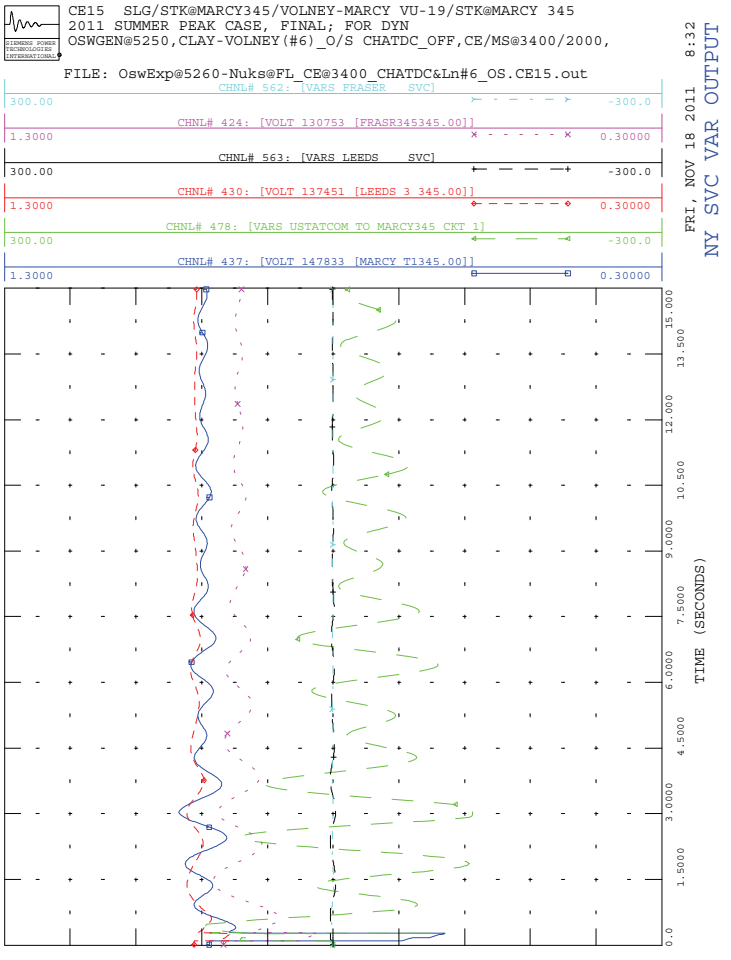
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE15.out
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300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
FRI, NOV 18 2011 8:32
NY SVC VAR OUTPUT
TIME (SECONDS)
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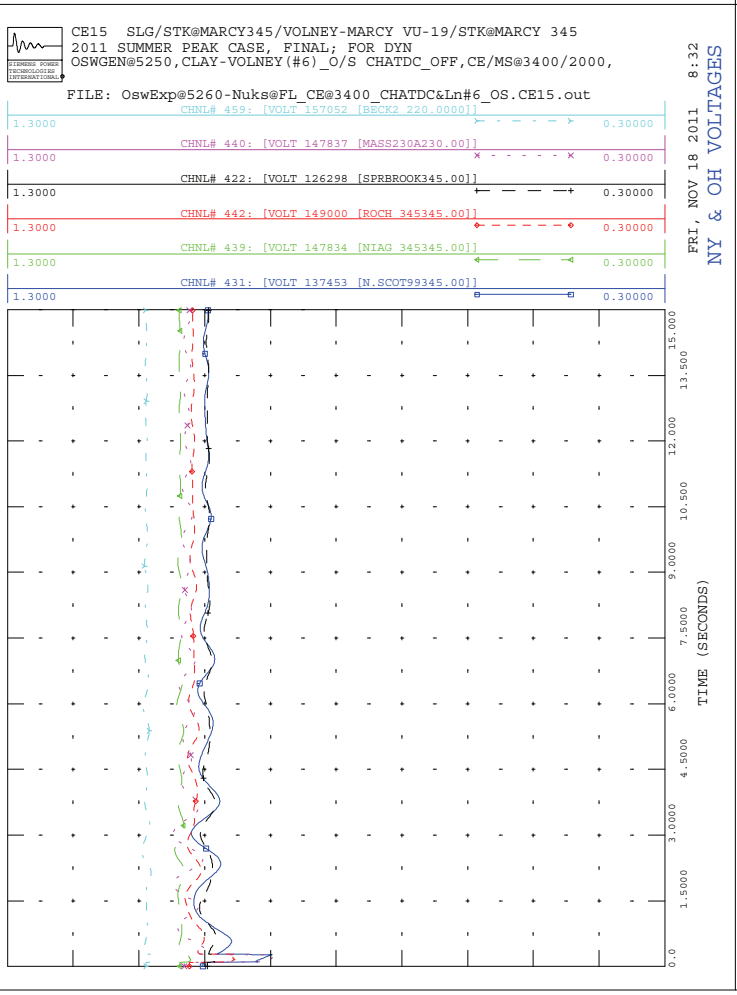
CE15 SLG/STK@MARCY345/VOLNEY-MARCY VU-19/STK@MARCY 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE15.out
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0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
1.3000
0.30000
FRI, NOV 18 2011 8:32
NY & OH VOLTAGES
TIME (SECONDS)
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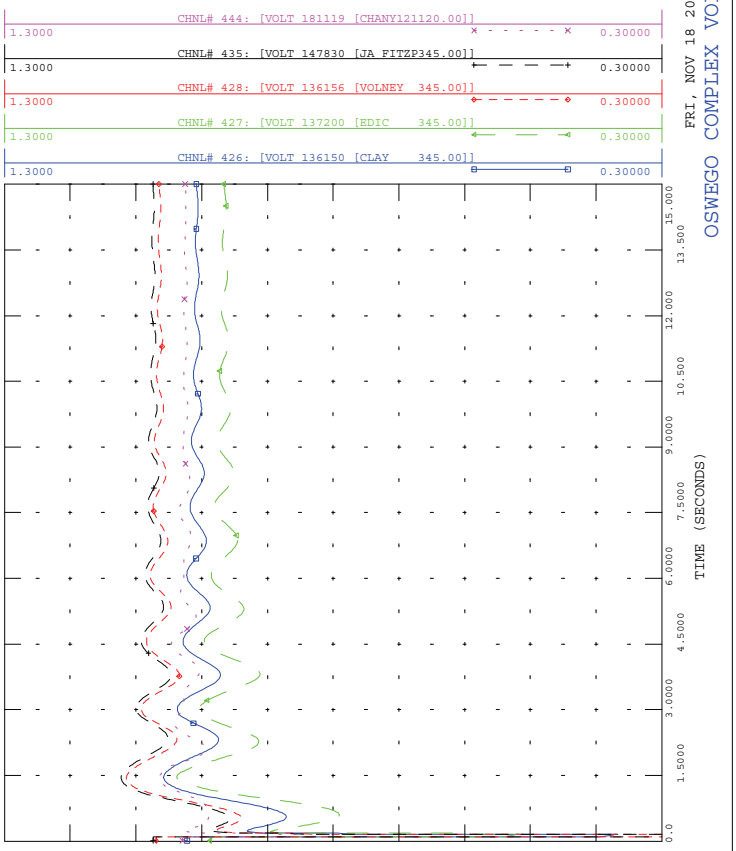
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000

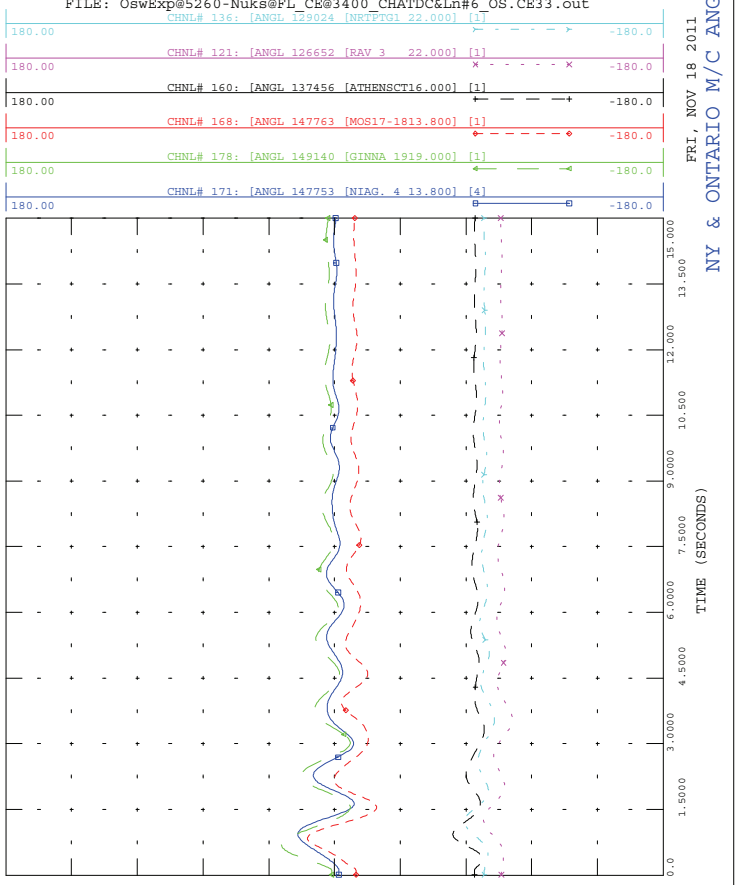
CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE33.out



CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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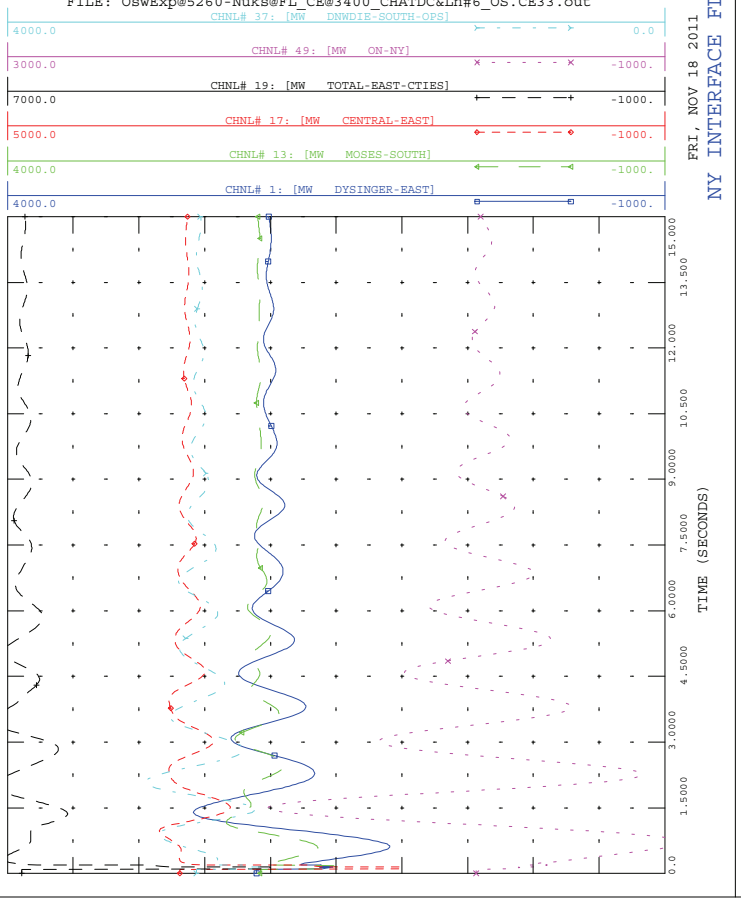
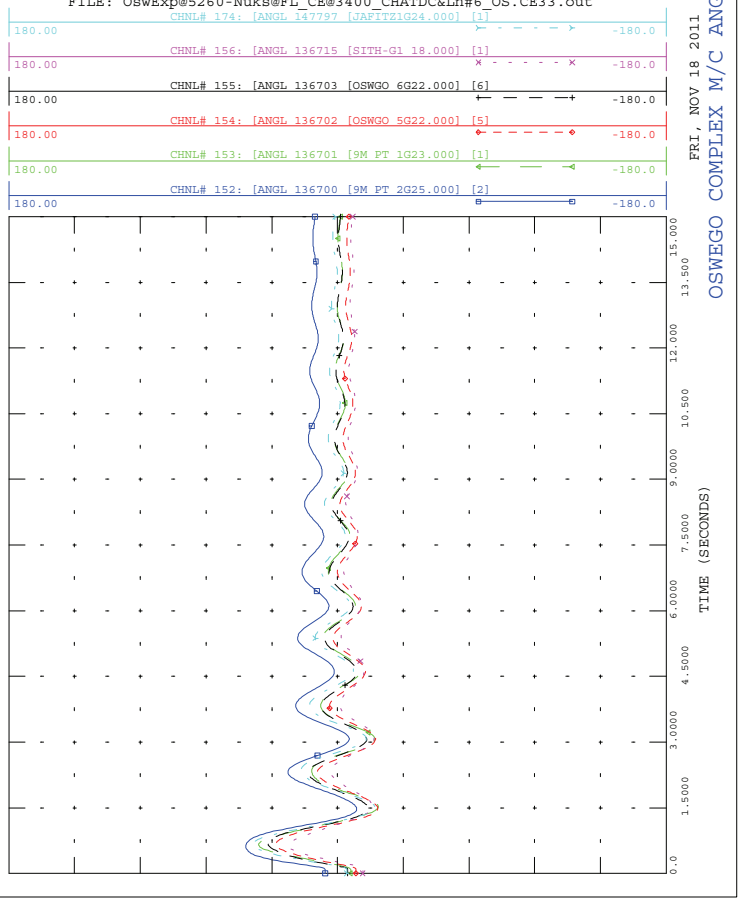
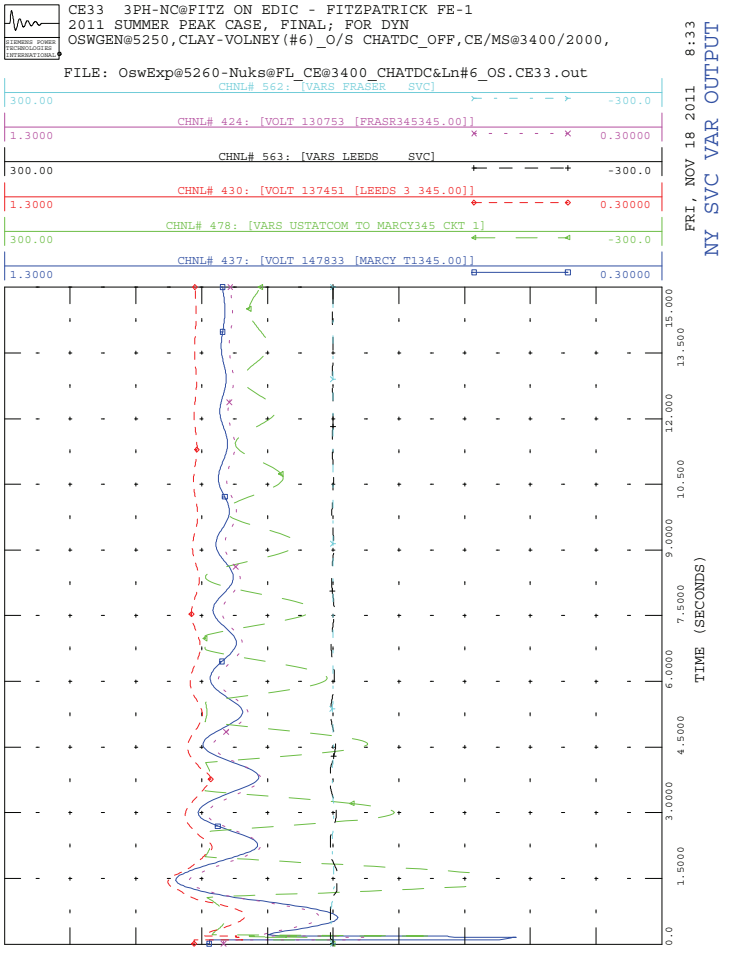


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE33.out




CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE33.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
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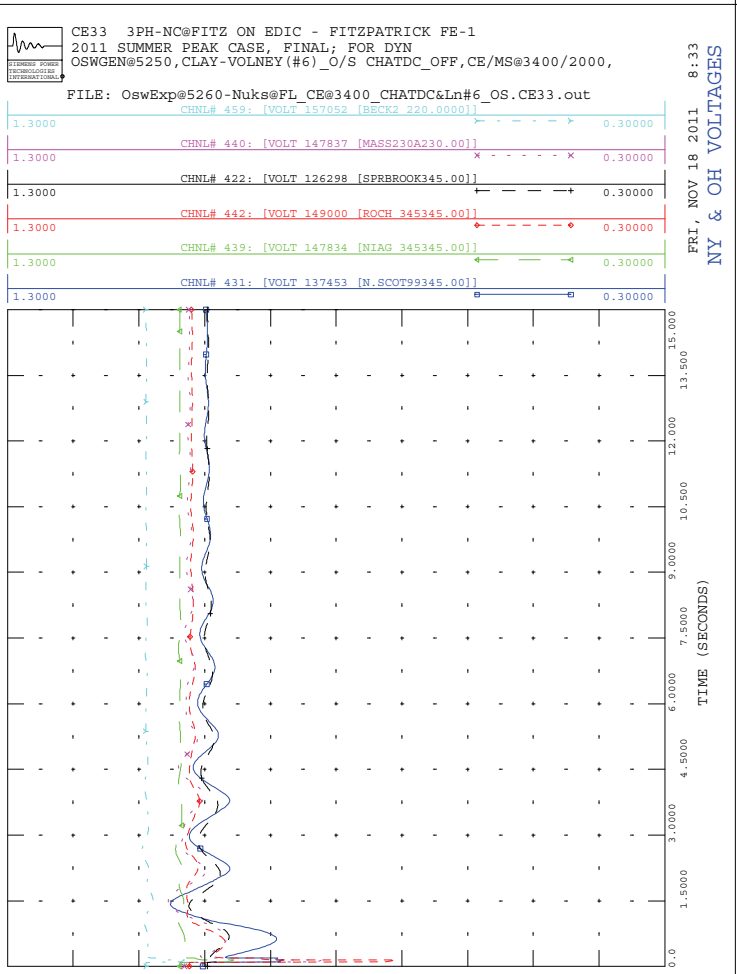
TIME (SECONDS)
FRI, NOV 18 2011 8:33
NY SVC VAR OUTPUT


CE33 3PH-NC@FITZ ON EDIC - FITZPATRICK FE-1
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE33.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
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0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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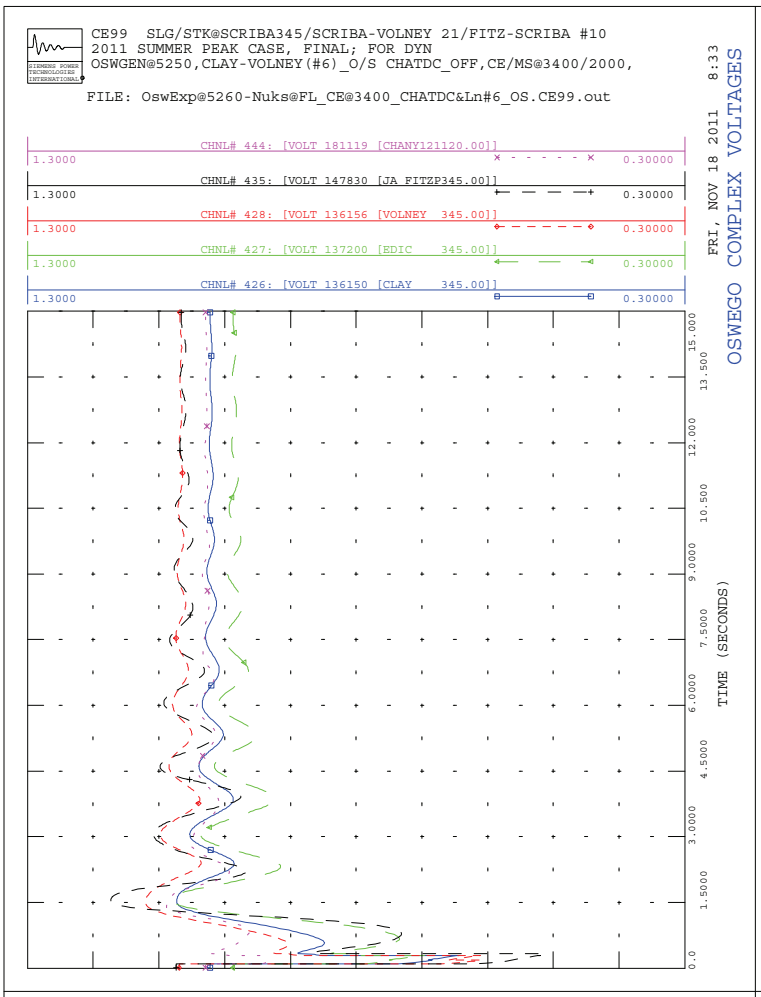
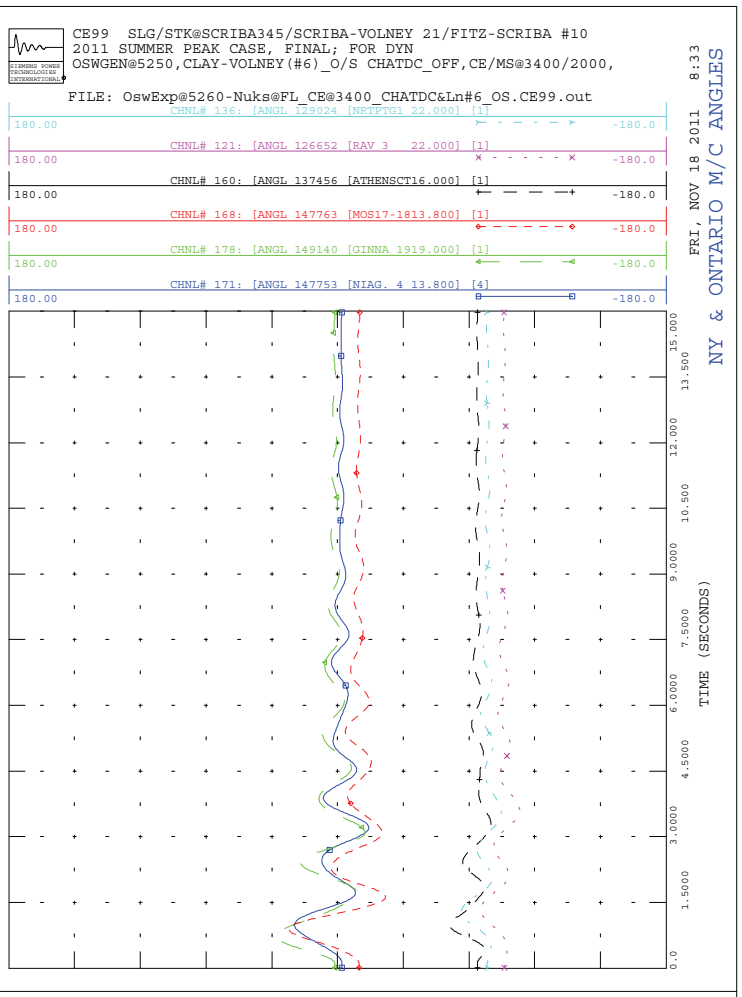
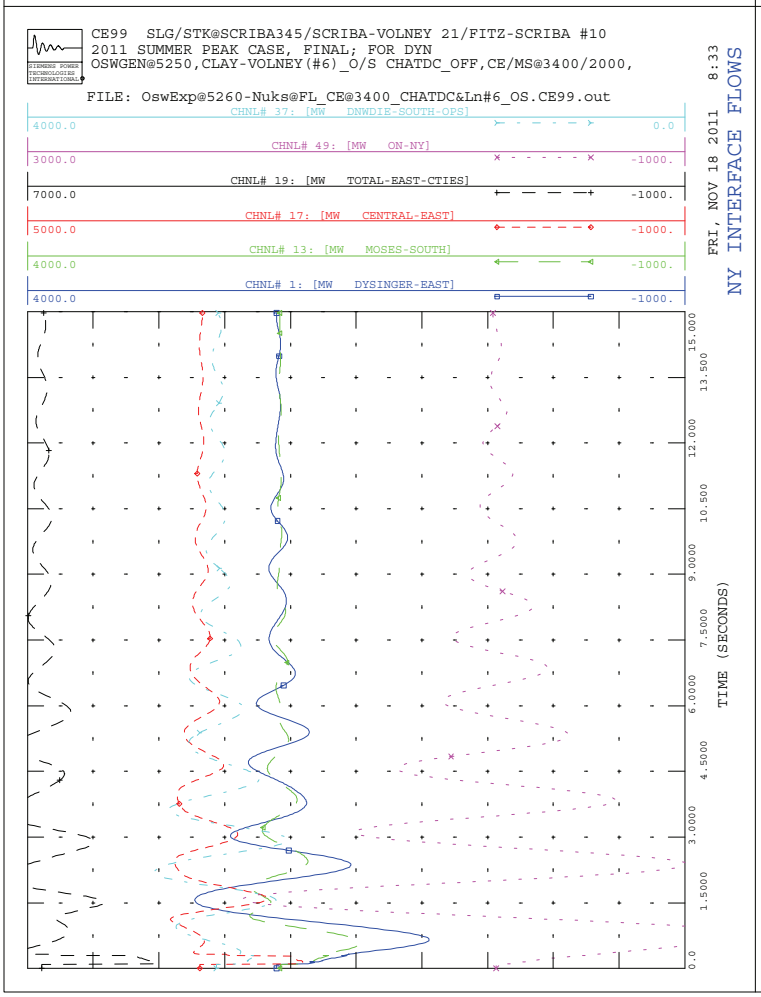
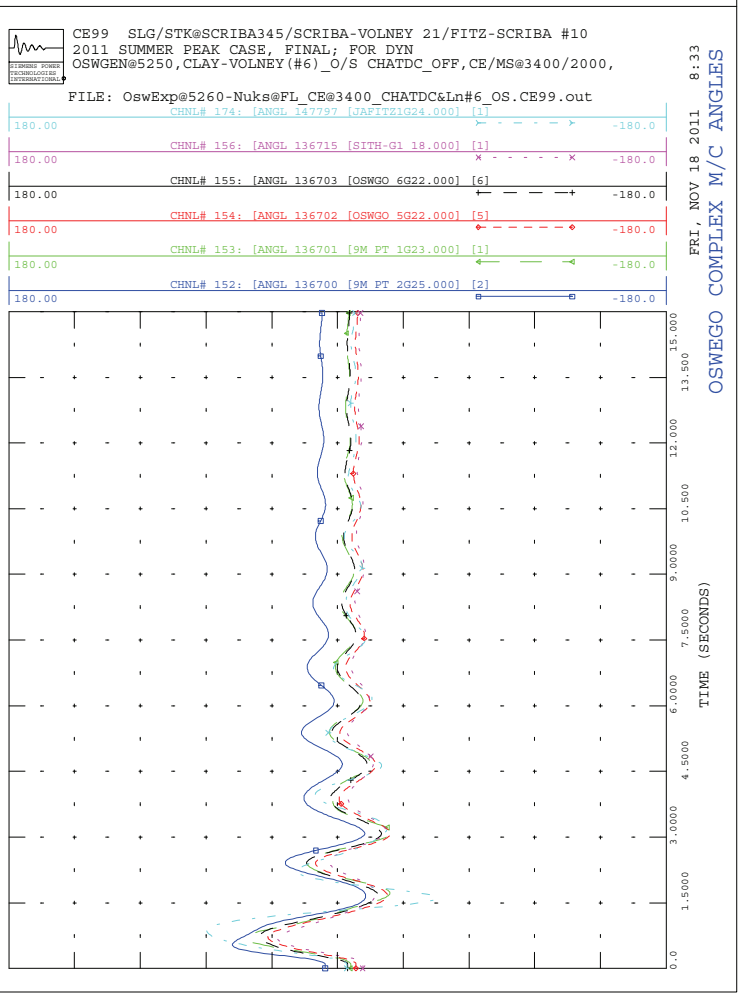
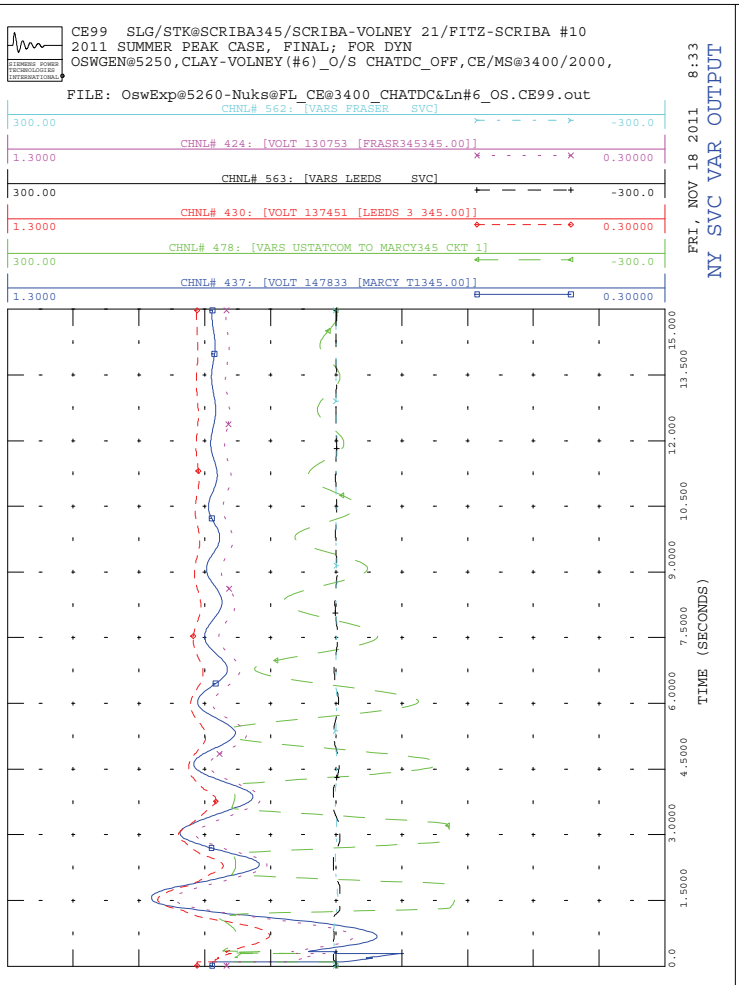
TIME (SECONDS)
FRI, NOV 18 2011 8:33
NY & OH VOLTAGES

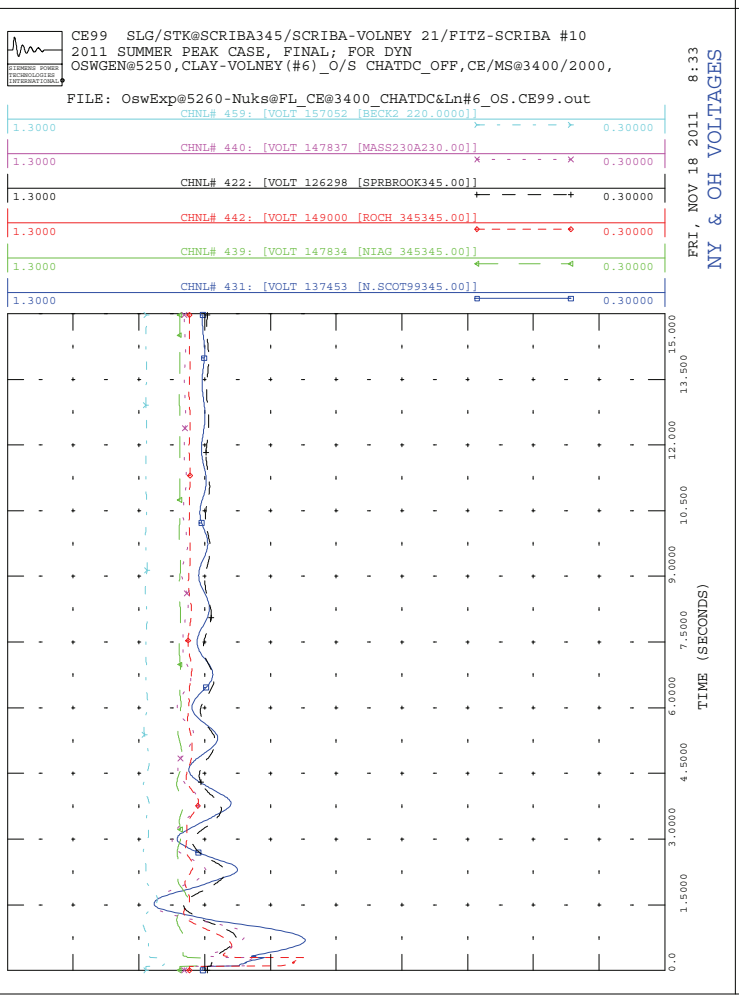

CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE99.out
CHNL# 444: [VOLT 181119 [CHANY121120.00]]
CHNL# 435: [VOLT 147830 [JA FITZP345.00]]
CHNL# 428: [VOLT 136156 [VOLNEY 345.00]]
CHNL# 427: [VOLT 137200 [EDIC 345.00]]
CHNL# 426: [VOLT 136150 [CLAY 345.00]]
FRI, NOV 18 2011 8:33
OSWEGO COMPLEX VOLTAGES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE99.out
CHNL# 136: [ANGL 129024 [NRTPTG1 22.000] [1]
CHNL# 121: [ANGL 126652 [RAV 3 22.000] [1]
CHNL# 160: [ANGL 137456 [ATHENSCT16.000] [1]
CHNL# 168: [ANGL 147763 [MOS17-1813.800] [1]
CHNL# 178: [ANGL 149140 [GINNA 1919.000] [1]
CHNL# 171: [ANGL 147753 [NIAG. 4 13.800] [4]
FRI, NOV 18 2011 8:33
NY & ONTARIO M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE99.out
CHNL# 37: [MW DNWDIE-SOUTH-OPS]
CHNL# 49: [MW ON-NY]
CHNL# 19: [MW TOTAL-EAST-CTIES]
CHNL# 17: [MW CENTRAL-EAST]
CHNL# 13: [MW MOSES-SOUTH]
CHNL# 1: [MW DYSINGER-EAST]
FRI, NOV 18 2011 8:33
NY INTERFACE FLOWS
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE99.out
CHNL# 174: [ANGL 147797 [JAFITZ1G24.000] [1]
CHNL# 156: [ANGL 136715 [SITH-G1 18.000] [1]
CHNL# 155: [ANGL 136703 [OSWGO 6G22.000] [6]
CHNL# 154: [ANGL 136702 [OSWGO 5G22.000] [5]
CHNL# 153: [ANGL 136701 [9M PT 1G23.000] [1]
CHNL# 152: [ANGL 136700 [9M PT 2G25.000] [2]
FRI, NOV 18 2011 8:33
OSWEGO COMPLEX M/C ANGLES
TIME (SECONDS)


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE99.out
CHNL# 562: [VARS FRASER SVC]
300.00
-300.0
CHNL# 424: [VOLT 130753 [FRASR345345.00]]
1.3000
0.30000
CHNL# 563: [VARS LEEDS SVC]
300.00
-300.0
CHNL# 430: [VOLT 137451 [LEEDS 3 345.00]]
1.3000
0.30000
CHNL# 478: [VARS USTATCOM TO MARCY345 CKT 1]
300.00
-300.0
CHNL# 437: [VOLT 147833 [MARCY T1345.00]]
1.3000
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 18 2011 8:33
NY SVC VAR OUTPUT


CE99 SLG/STK@SCRIBA345/SCRIBA-VOLNEY 21/FITZ-SCRIBA #10
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,
FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE99.out
CHNL# 459: [VOLT 157052 [BECK2 220.0000]]
1.3000
0.30000
CHNL# 440: [VOLT 147837 [MASS230A230.00]]
1.3000
0.30000
CHNL# 422: [VOLT 126298 [SPRBROOK345.00]]
1.3000
0.30000
CHNL# 442: [VOLT 149000 [ROCH 345345.00]]
1.3000
0.30000
CHNL# 439: [VOLT 147834 [NIAG 345345.00]]
1.3000
0.30000
CHNL# 431: [VOLT 137453 [N.SCOT99345.00]]
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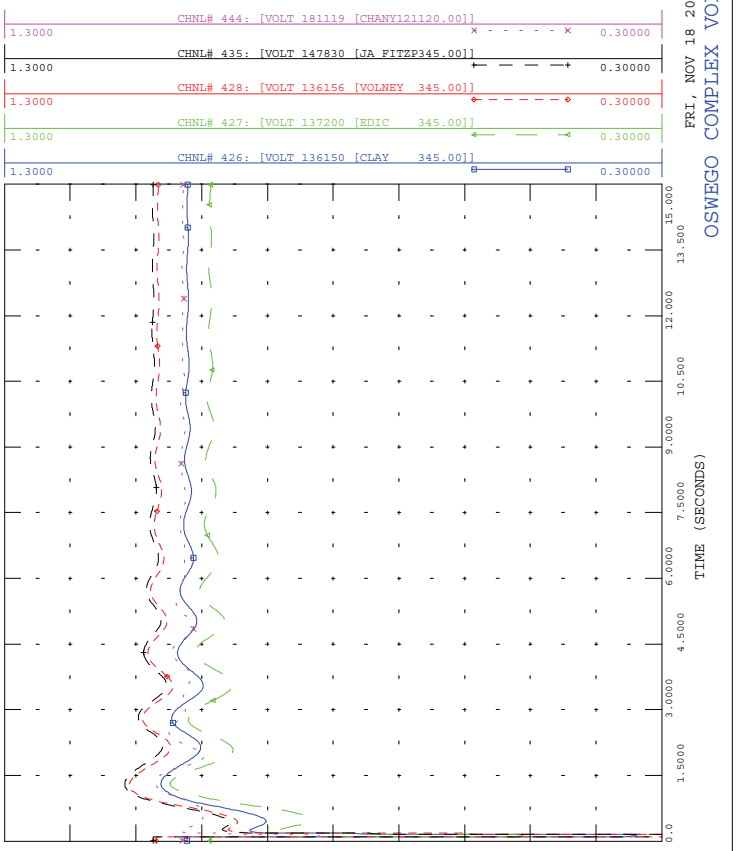
0.30000
0.0
1.5000
3.0000
4.5000
6.0000
7.5000
9.0000
10.500
12.000
13.500
15.000
TIME (SECONDS)
FRI, NOV 18 2011 8:33
NY & OH VOLTAGES

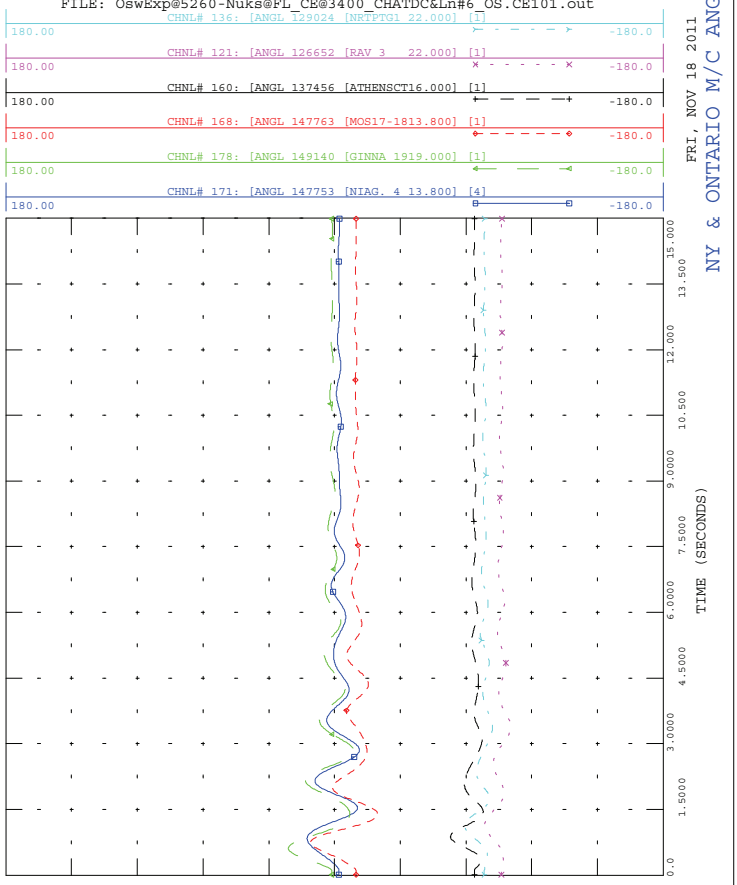
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE101.out



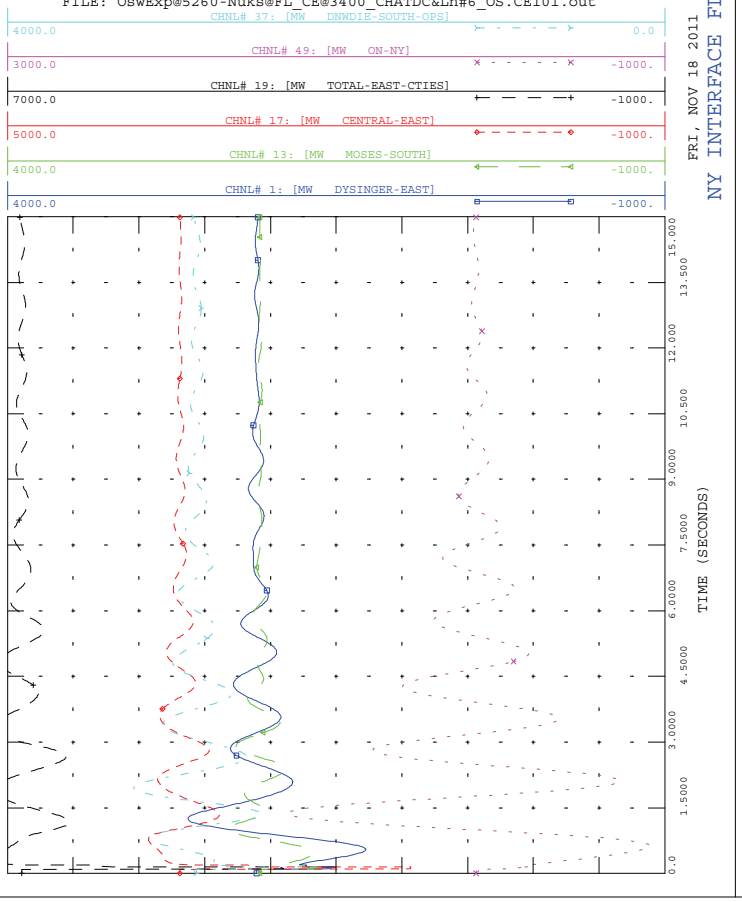
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE101.out



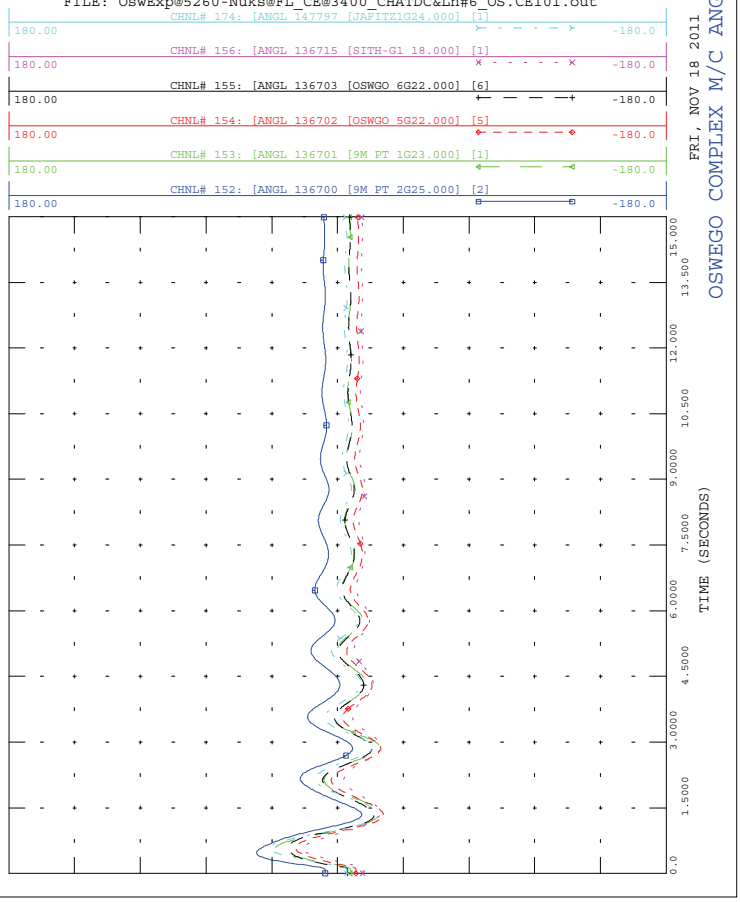
CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE101.out



CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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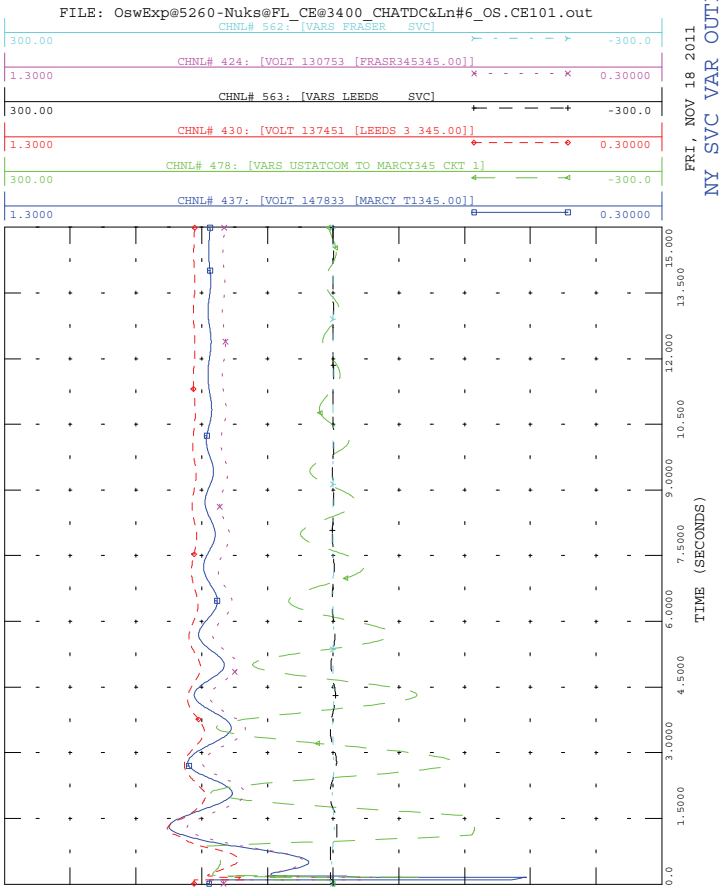
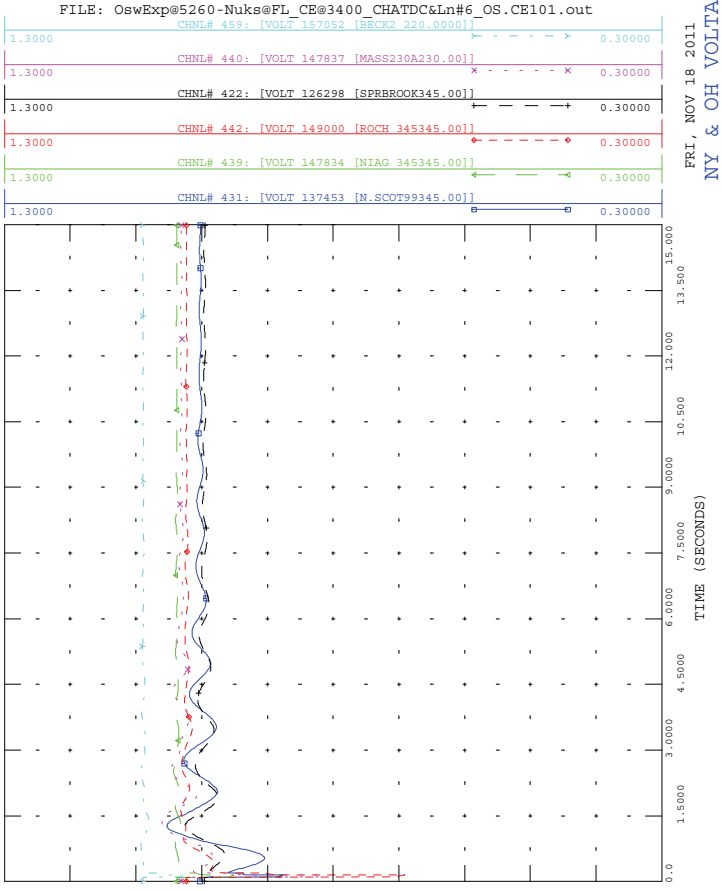


FRI, NOV 18 2011 8:33

NY SVC VAR OUTPUT

CE101 3PH-NC@SCRIBA 345/ SCRIBA-VOLNEY #21
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.CE101.out

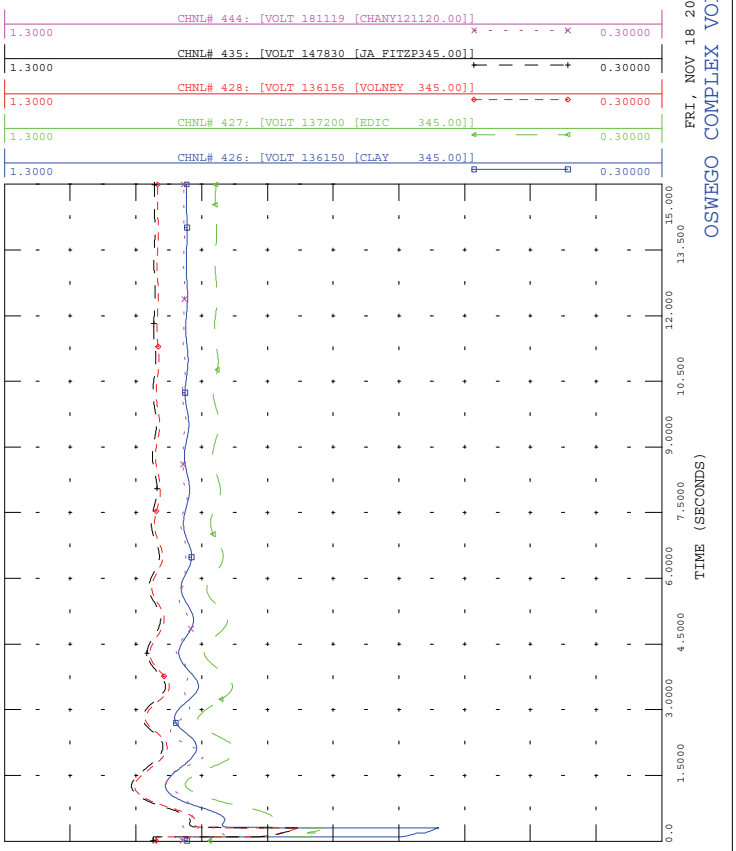


FRI, NOV 18 2011 8:33

NY & OH VOLTAGES

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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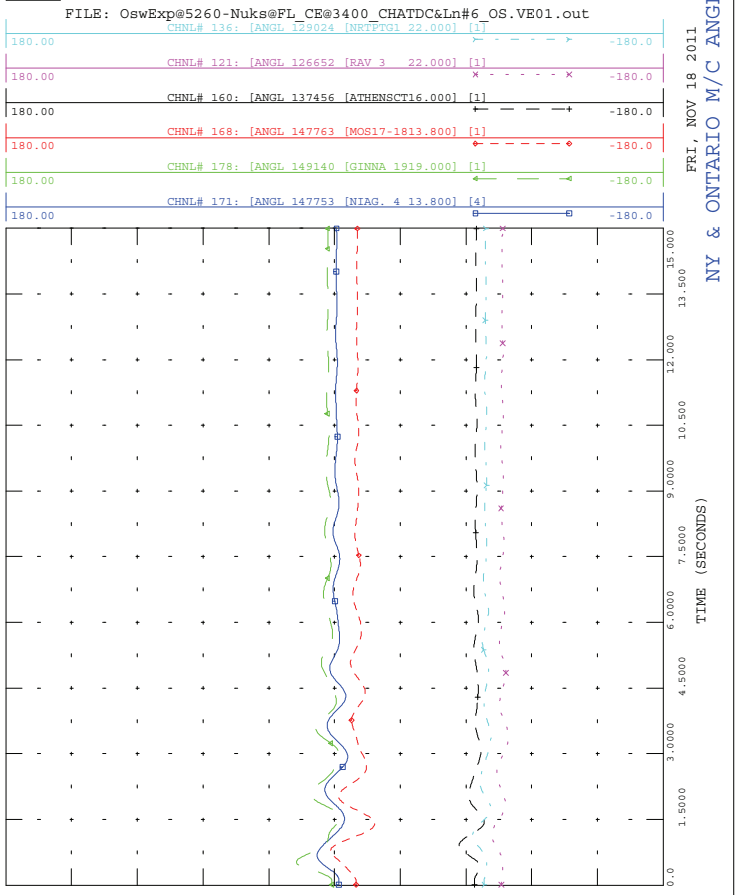
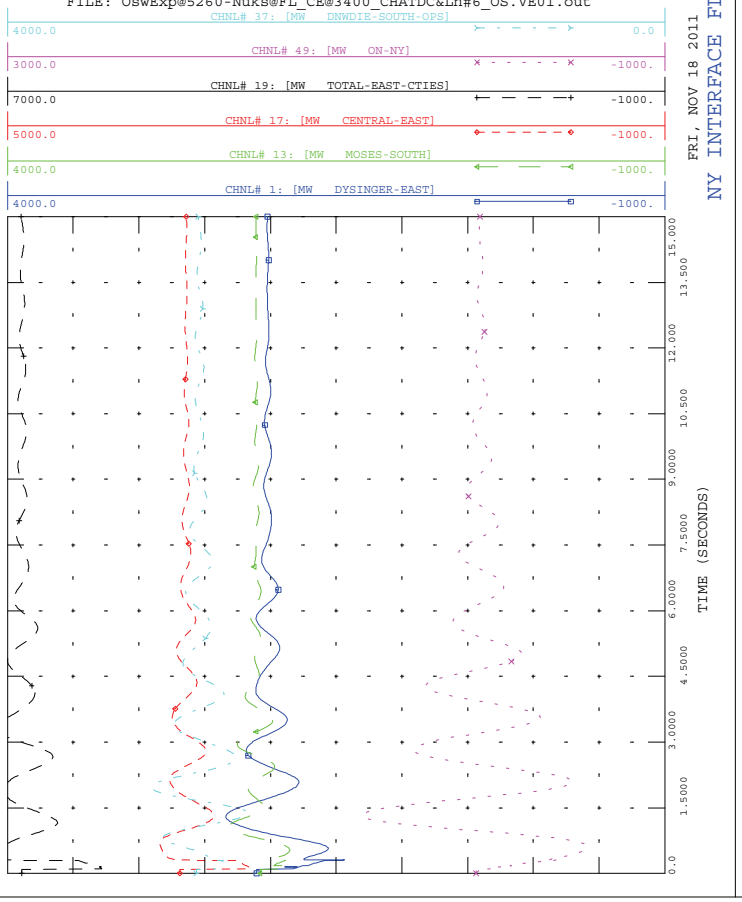


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.VE01.out



VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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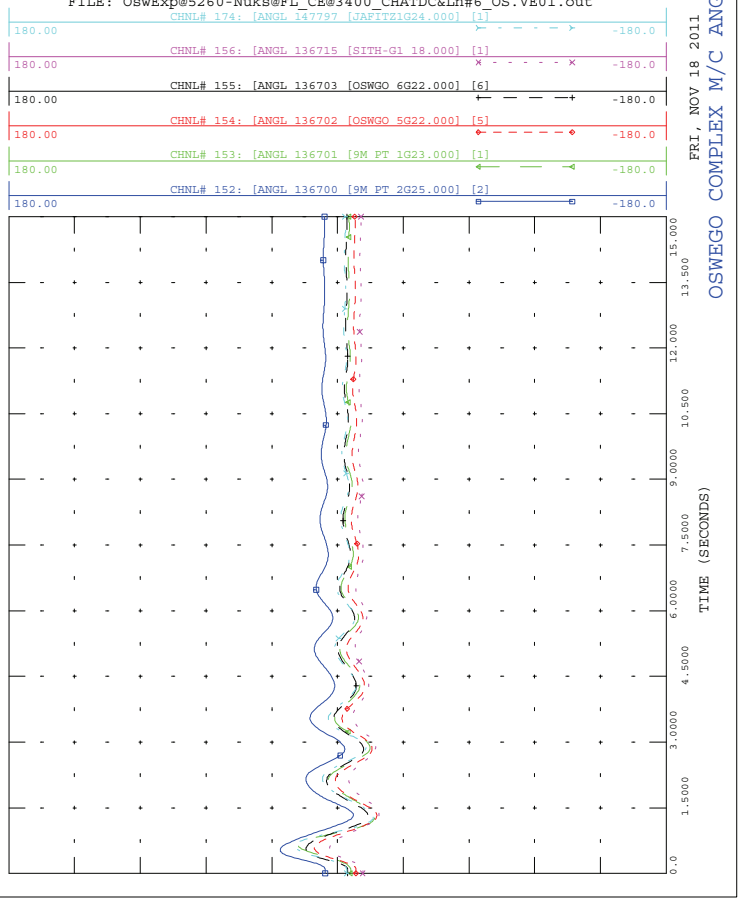
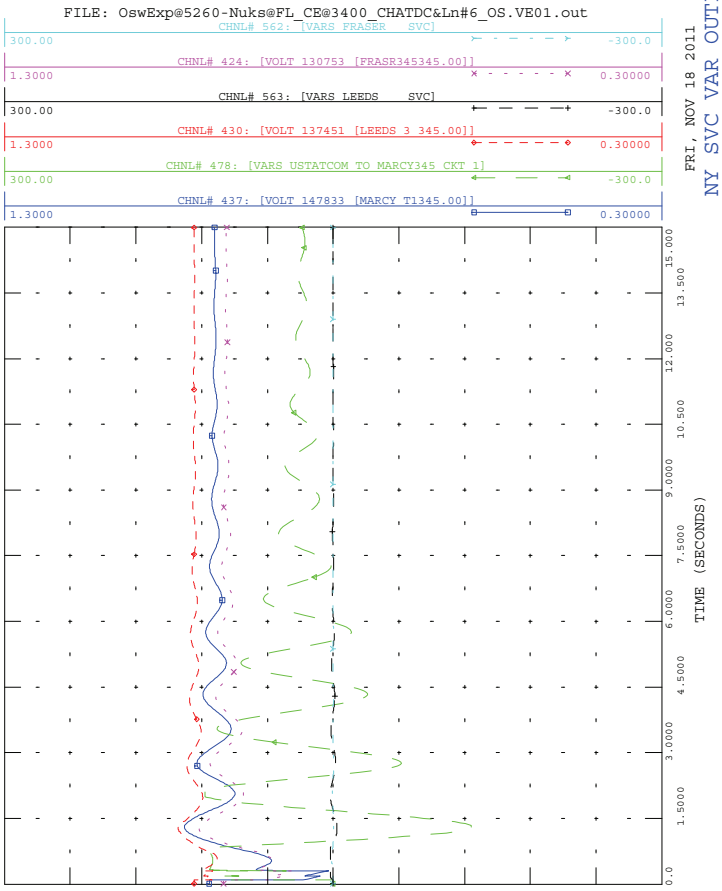


VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

FILE: OswExp@5260-Nuks@FL_CE@3400_CHATDC&Ln#6_OS.VE01.out



FRI, NOV 18 2011 8:33
NY SVC VAR OUTPUT

VE01 SLG-STK R935 @ CLAY 345KV/EDIC-CLAY-PANNELL 345
2011 SUMMER PEAK CASE, FINAL; FOR DYN
OSWGEN@5250,CLAY-VOLNEY(#6)_O/S CHATDC_OFF,CE/MS@3400/2000,

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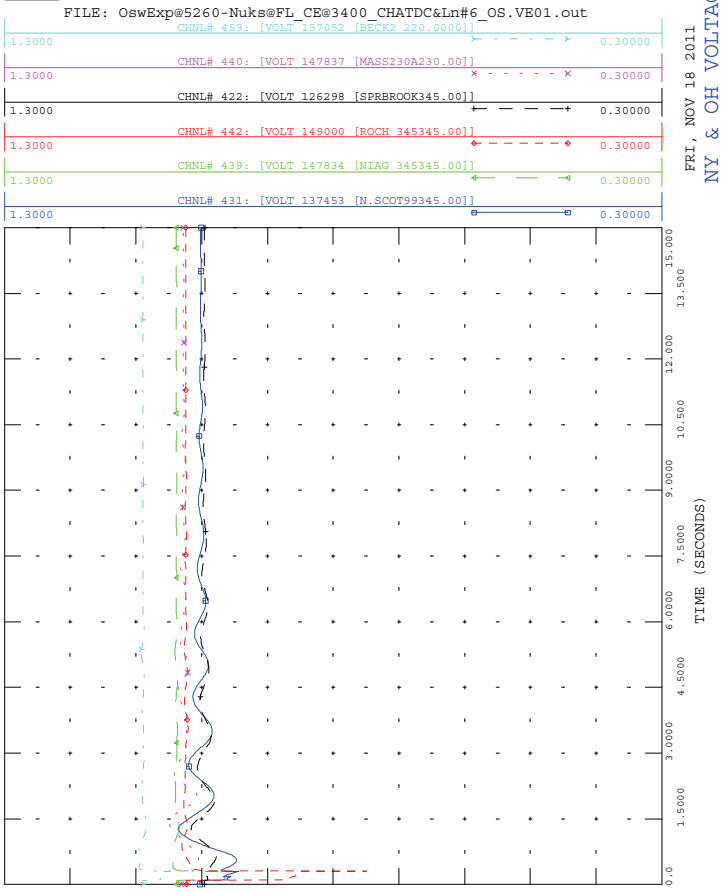

FRI, NOV 18 2011 8:33
NY & OH VOLTAGES