

N.Y. POWER POOL

3890 CARMAN ROAD, SCHENECTADY, NY 12303

February 9, 1990

**MEMBERS OF
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Ladies & Gentlemen:

Attached is a NYPP transient stability study for the MOSES NORTH interface with the maintenance outages of one and two Moses to Adirondack to Porter circuits.

The results of this report show all cases stable for a northward limit of 1600 MW - the existing limit for all facilities normally in-service.

Please review this report and call me if you have any questions.

Thank you,

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89030-2/10/1990-364

MAINTENANCE STUDY REPORT

MOSES NORTH STABILITY LIMITS

MOSES-ADIRONDACK-PORTER OUT OF SERVICE

PROJECT: 89030S

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SECURITY ANALYSIS SECTION
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FEBRUARY 10, 1990

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Introduction

This report addresses two maintenance outage conditions for a northward Moses-South interface flow (this flow is referred to as Moses North in this report). The first outage condition is with one Moses-Adirondack-Porter (M-A-P) circuit out-of-service and the second outage condition is with the two M-A-P circuits out-of-service. In December 1989, NYPP Operation Studies staff issued a Moses North stability limit of 1600 MW for an all lines in-service case.

This report's results and recommendations are based on the NYPP winter peak load case used in the December 1989 study which include the effects of simultaneous deliveries to HQ and OH via Moses North interface. The load models used in this stability analysis were the models derived from NYPP-OH and NPCC COSS-1 stability testing and are consistent with the most recent NPCC study work. Appendix A provides the case summaries and one-line diagrams for the cases examined.

Recommendations

A Moses-North stability limit of 1600 MW for all lines in-service is also valid for either one or two M-A-P circuits out-of-service.

Results

The most severe contingencies identified in early Moses-North studies were tested and found to be stable and well damped. Appendix B lists the contingencies tested. Also, no apparent impedance trajectories violated any relay limits to cause any additional line trips.

Appendix C shows the transient stability results as plots of selected interface flows, rotor angles, and bus voltages.

MAINTENANCE STUDY REPORT

MOSES NORTH STABILITY LIMITS

MOSES-ADIRONDACK-PORTER OUT OF SERVICE

APPENDIX A

LOADFLOW CASE SUMMARY AND ONE-LINE DIAGRAMS

MOSES NORTH TRANSIENT STABILITY STUDY WITH M-A-P O/S

A P P E N D I X A

LOAD FLOW CASE SUMMARY AND ONE-LINE DIAGRAMS

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ONE M-A-P CIRCUIT OUT OF SERVICE CASE

INTERFACE FLOWS:

CENTRAL-EAST = 1339.
 WEST-CENTRAL = 1787.
 NYPP - NE = 1617.
 BEAU - OH = 0.
 OH-MICHIGAN = -1036.
 PJM - WEST = 3713.

NYPP LOADFLOW SUMMARY

TOTAL-EAST = 2526.
 MOSES-SOUTH = -1822.
 OH - NYPP = -532.
 BLIP(BI) = -344.
 NB - NEPEX = 444.
 PJM-CENTRAL = 2475.

UPNY-CONED = 334.
 CEDARS-NYPP = 0.
 PJM - NYPP = 2320.
 FABC = 5396.
 ECAR - PJM = 1769.
 PJM - EAST = 4947.

STATION VOLTAGES:

MARCY 345 = 349.8
 EDIC 345 = 348.9
 FRASER 345 = 349.5
 PANNELL345 = 345.9
 STA80 345 = 346.1
 MARCY 765 = 735.3
 STLAW 230 = 235.0

NEW SCOT 345 = 351.9
 CLAY 345 = 348.1
 COOP CRN 345 = 357.1
 FISHKILL 345 = 356.6
 PL VLLY 345 = 355.5
 ROTTRDAM 230 = 235.3
 CHATEAU 120E = 121.9

MASSENA 765 = 752.8
 LEEDS 345 = 354.7
 GILBOA 345 = 355.3
 R.TAVERN 345 = 358.0
 RAMAPO 345 = 360.0
 CHATEAU 765 = 754.4
 CHATEAU 120W = 120.0

NYPP CAPACITOR STATUS:

MARCY CAP = 198.1
 R.T CAP = 0.0
 GILBOA CAP = 0.0

NEW SCOT CAP = 0.0
 FRASER CAP = 0.0
 FISHKILL CAP = 0.0

LEEDS CAP = 0.0
 COOP CRN CAP = 0.0
 ROTTRDAM CAP = 150.0

GENERATION DATA:

OSW CMLPX GEN = 4327. - 5 UNITS I/S LAMB CMLPX = 1988. NANT CMLPX = 4320.
 BRUCE CMLPX GEN = 6200. - 8 UNITS I/S PICK CMLPX = 3269. LAKE CMLPX = 1764.

NINE MILE 1 = 645. 340. OSWEGO 5 = 868. 310. NIAGARA = 2298. 635.
 NINE MILE 2 = 1134. 490. OSWEGO 6 = 825. 330. ST.LAWRENCE = 540. 452.
 FITZPATRICK = 855. 285. GILBOA = 750. 118. ALB STEAM = 312. 200.

NYS SVC OUTPUTS:

LEEDS SVC = -5.3 FRASER SVC = -17.6

HYDRO QUEBEC INTERCONNECTION DATA:

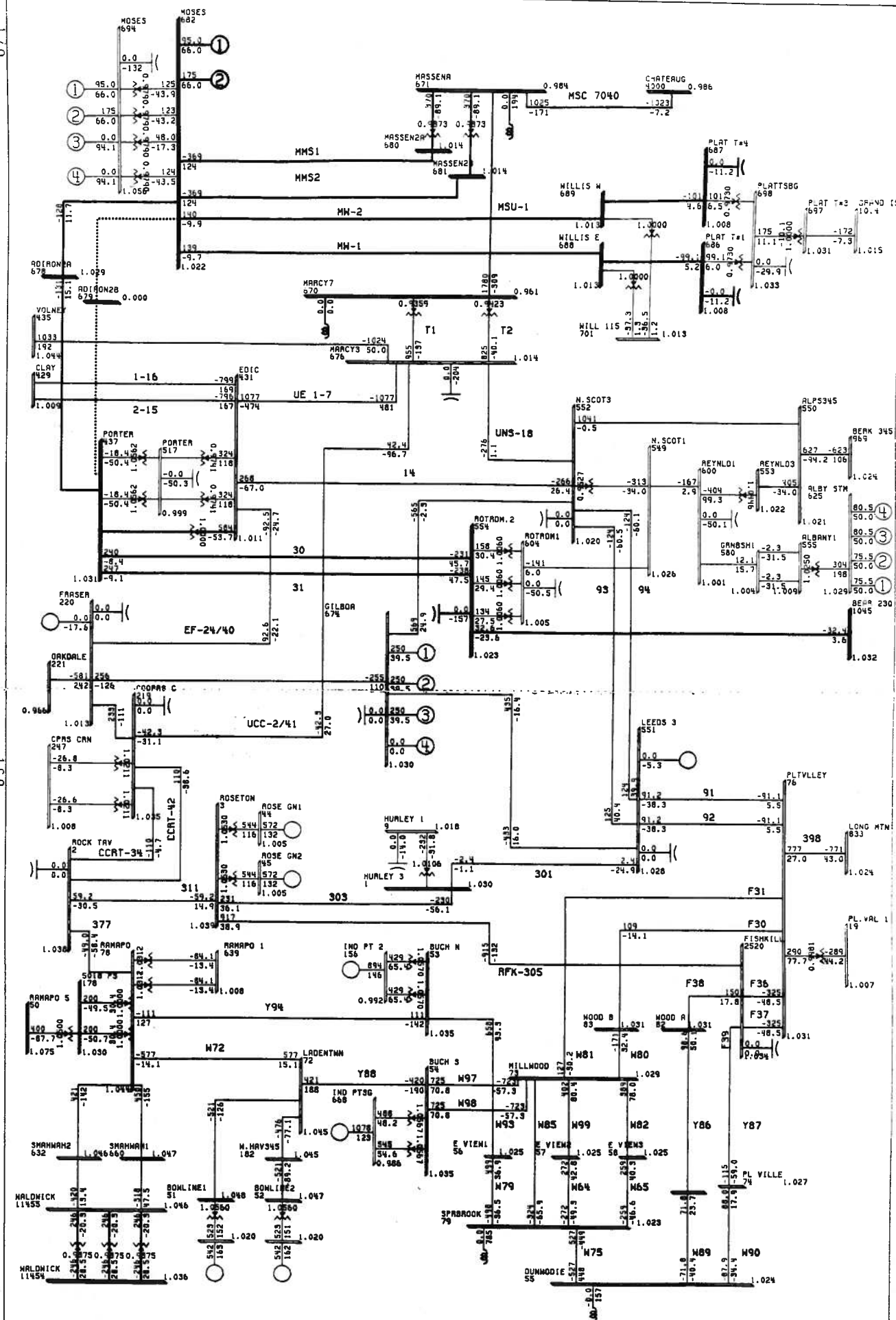
CHATEAUGUAY #1 DC = -511. -299. COMERFORD #1 DC = -351. -181.
 CHATEAUGUAY #2 DC = -511. -299. COMERFORD #2 DC = 0. 0.
 HIGHGATE DC = 150. -80. SANDY POND #1 DC = 0. 0.
 MADAWASKA DC = -254. -108. SANDY POND #2 DC = 0. 0.
 EEL RIVER DC = -153. -67.

MSC-7040 FLOW @ MASS = 1025. -171.
 @ CHAT = -1023. -7.
 CHAT SVC OUTPUT = 98.9 / 98.9

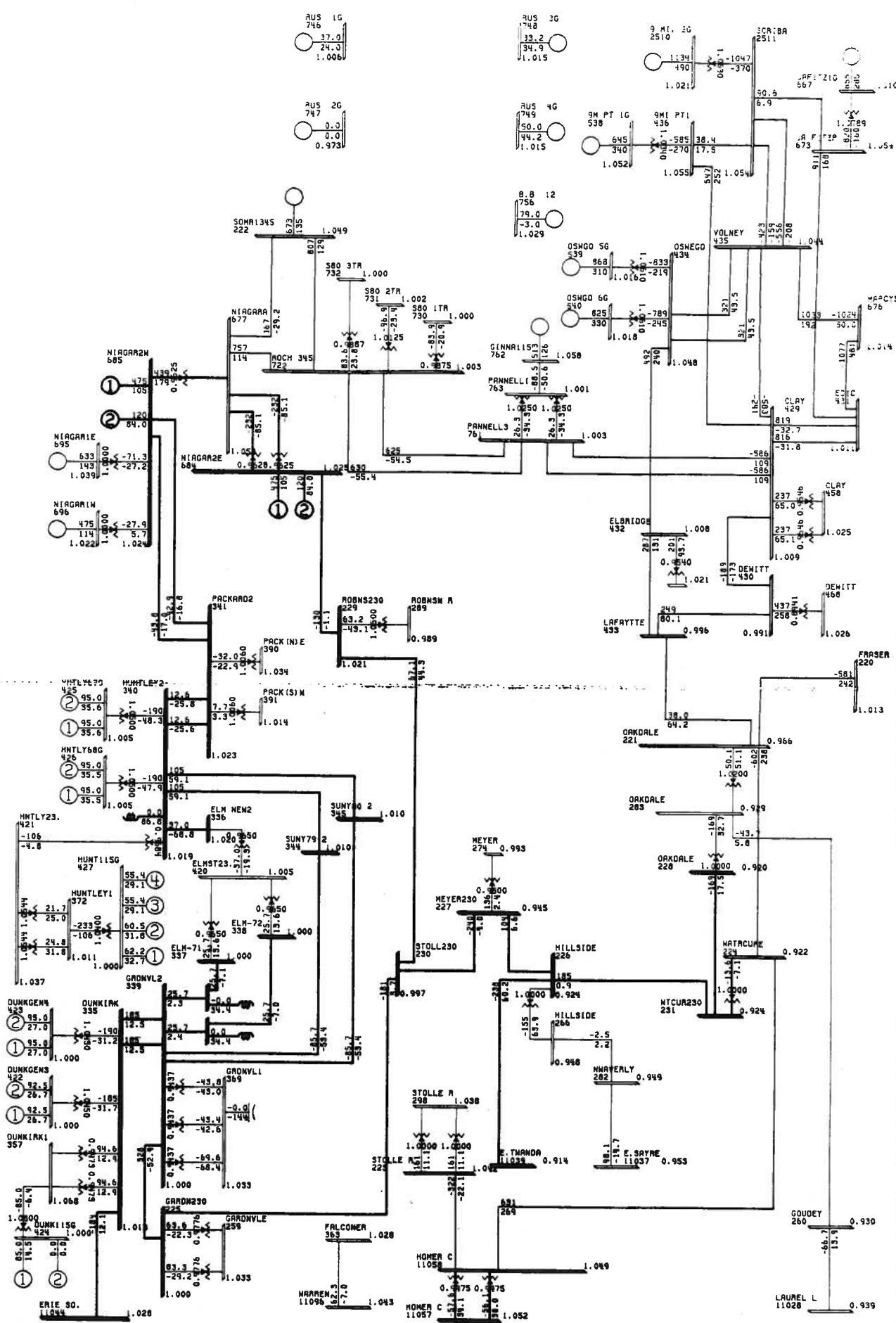
BEAU TIED TO: NY OH CEDARS
 P GEN = 0.0 0.0 0.0
 Q GEN = 0.0 0.0 0.0
 # MACHINES = 0 0 0
 EQUIV P.F. = 0.000

0.1

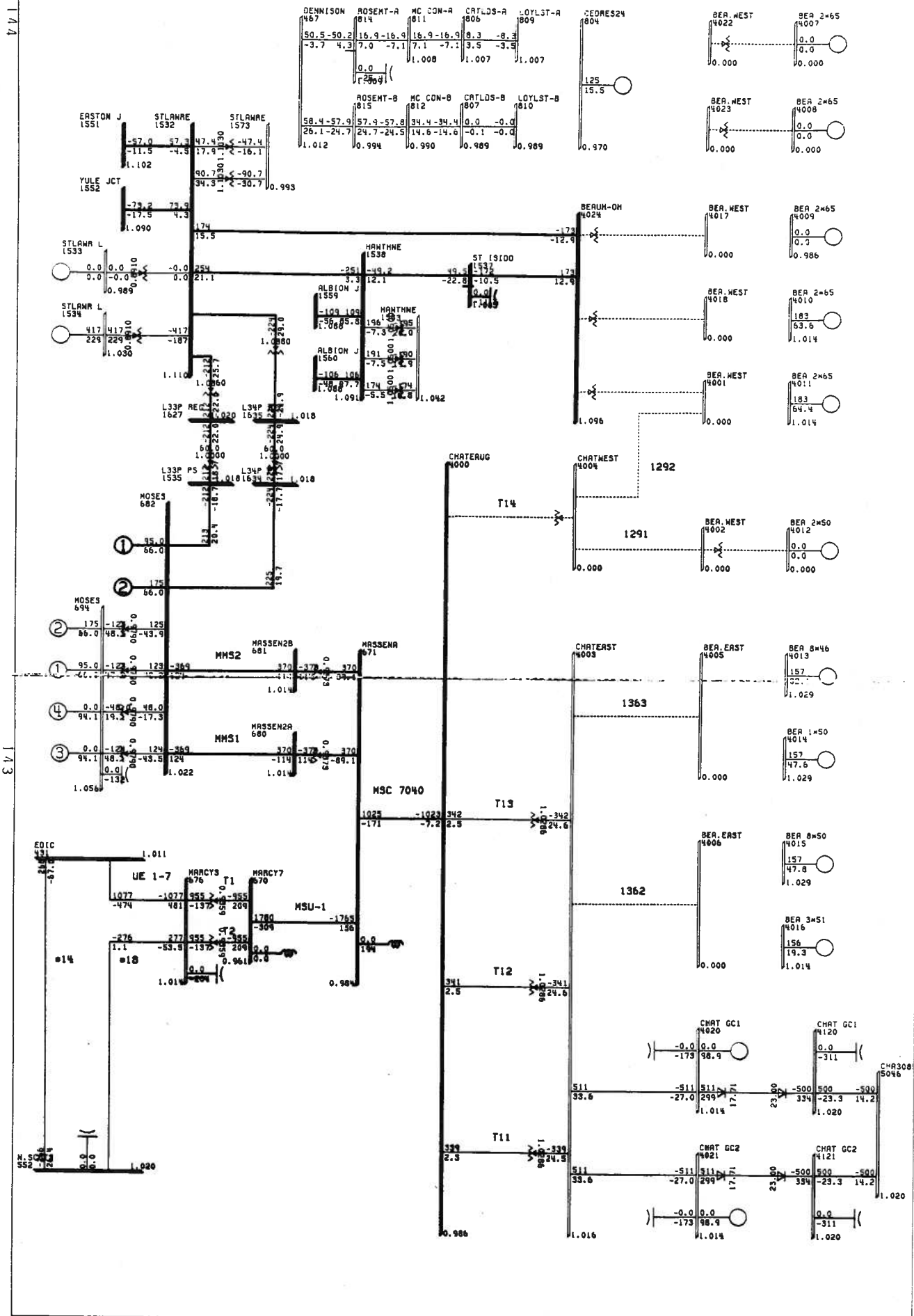
6.91



	<p>88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE W/ MA-1 O/S 88021015 CHT@-1000 L33/34P 450 TO OH MS@-1823 NYPP EASTERN AREA FRI, FEB 2 1990 14:50</p>	<p>BUS - VOLTAGE (PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR</p> <p>KV: 4138, 4230, 4345</p>
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88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE W/ MA-1 O/S
 88021015 CHT@-1000 L33/34P 450 TO OH MS@-1823
 NYPP WESTERN AREA FRI, FEB 2 1990 14:51
 BUS - VOLTAGE (PU)
 BRANCH - MW/MVAR
 EQUIPMENT - MW/MVAR
 KV: 138, 230, 434



	88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE W/ MA-1 O/S	BUS - VOLTAGE (PU)
	88021015 CHT#-1000 L33/34P 450 TO OH MS#-1823	BRANCH - MW/MVAR
	CHATEAUGUAY/BEAURNIORS AREA FRI, FEB 2 1990 14:49	EQUIPMENT - MW/MVAR

BOTH M-A-P CIRCUITS OUT OF SERVICE CASE

NYPP LOADFLOW SUMMARY

INTERFACE FLOWS:

CENTRAL-EAST = 1351.
 WEST-CENTRAL = 1774.
 NYPP - NE = 1617.
 BEAU - OH = 0.
 OH-MICHIGAN = -1040.
 PJM - WEST = 3709.

TOTAL-EAST = 2529.
 MOSES-SOUTH = -1800.
 OH - NYPP = -518.
 BLIP(BI) = -348.
 NB - NEPEX = 444.
 PJM-CENTRAL = 2471.

UPNY-CONED = 342.
 CEDARS-NYPP = 0.
 PJM - NYPP = 2310.
 FABC = 5396.
 ECAR - PJM = 1763.
 PJM - EAST = 4942.

STATION VOLTAGES:

MARCY 345 = 349.1
 EDIC 345 = 348.3
 FRASER 345 = 349.5
 PANNELL345 = 346.0
 STA80 345 = 346.2
 MARCY 765 = 732.9
 STLAW 230 = 234.8

NEW SCOT 345 = 351.8
 CLAY 345 = 347.9
 COOP CRN 345 = 357.0
 FISHKILL 345 = 356.6
 PL VLLY 345 = 355.6
 ROTTRDAM 230 = 234.7
 CHATEAU 120E = 121.8

MASSENA 765 = 750.3
 LEEDS 345 = 354.7
 GILBOA 345 = 355.3
 R.TAVERN 345 = 357.9
 RAMAPO 345 = 360.0
 CHATEAU 765 = 752.8
 CHATEAU 120W = 120.0

NYPP CAPACITOR STATUS:

MARCY CAP = 198.1
 R.T CAP = 0.0
 GILBOA CAP = 0.0

NEW SCOT CAP = 0.0
 FRASER CAP = 0.0
 FISHKILL CAP = 0.0

LEEDS CAP = 0.0
 COOP CRN CAP = 0.0
 ROTTRDAM CAP = 150.0

GENERATION DATA:

OSW CMLPX GEN = 4330. - 5 UNITS I/S LAMB CMLPX =1988. NANT CMLPX =4320
 BRUCE CMLPX GEN = 6200. - 8 UNITS I/S PICK CMLPX =3269. LAKE CMLPX =1775

NINE MILE 1 = 645. 340. OSWEGO 5 = 871. 310. NIAGARA = 2298. 634.
 NINE MILE 2 = 1134. 500. OSWEGO 6 = 825. 330. ST.LAWRENCE = 540. 467.
 FITZPATRICK = 855. 285. GILBOA = 750. 120. ALB STEAM = 312. 200.

NYS SVC OUTPUTS:

LEEDS SVC = -1.5 FRASER SVC = -11.8

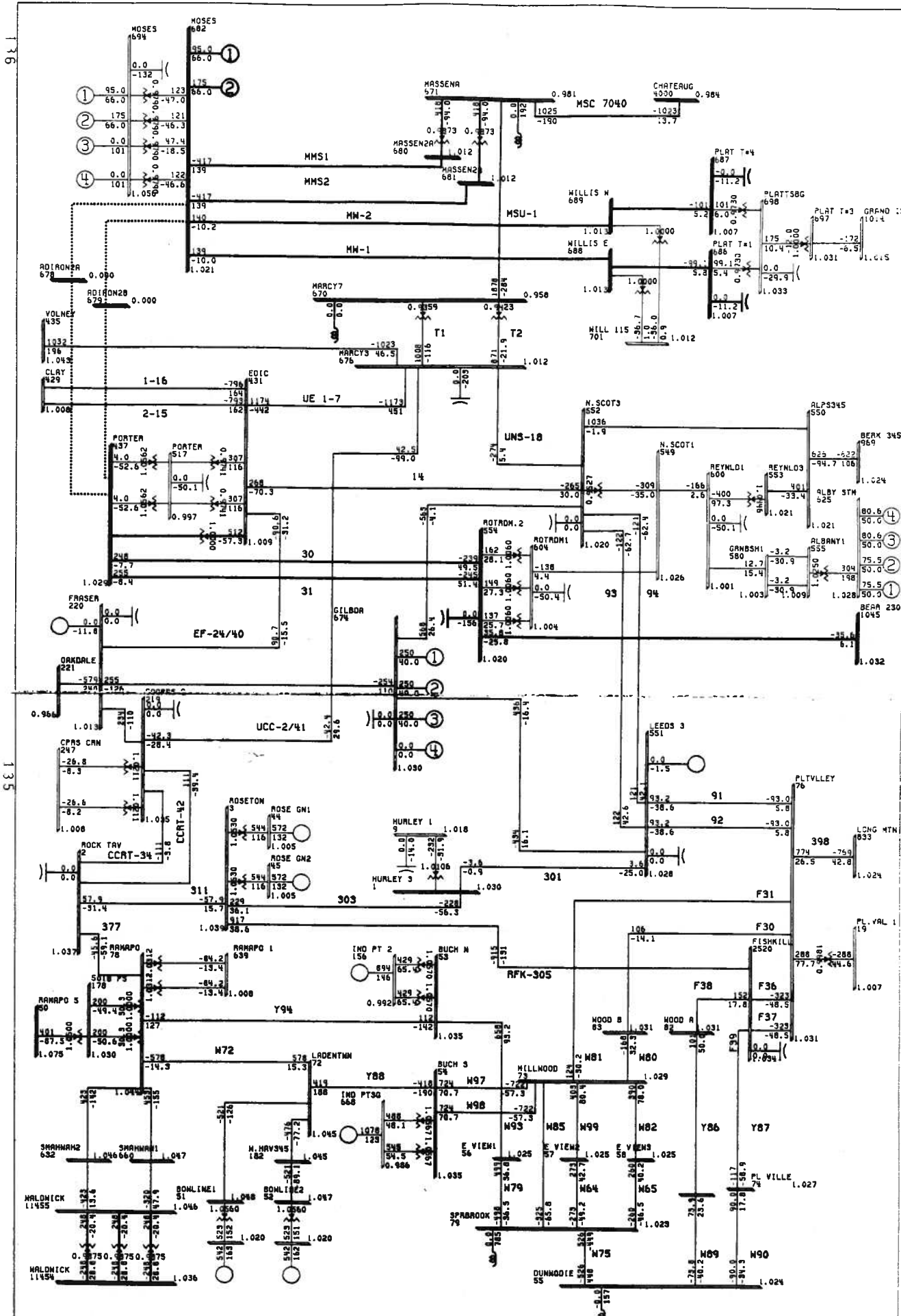
HYDRO QUEBEC INTERCONNECTION DATA:


CHATEAUGUAY #1 DC = -511. -299.
 CHATEAUGUAY #2 DC = -511. -299.
 HIGHGATE DC = 150. -80.
 MADAWASKA DC = -254. -108.
 EEL RIVER DC = -153. -67.

COMERFORD #1 DC = -351. -181.
 COMERFORD #2 DC = 0. 0.
 SANDY POND #1 DC = 0. 0.
 SANDY POND #2 DC = 0. 0.

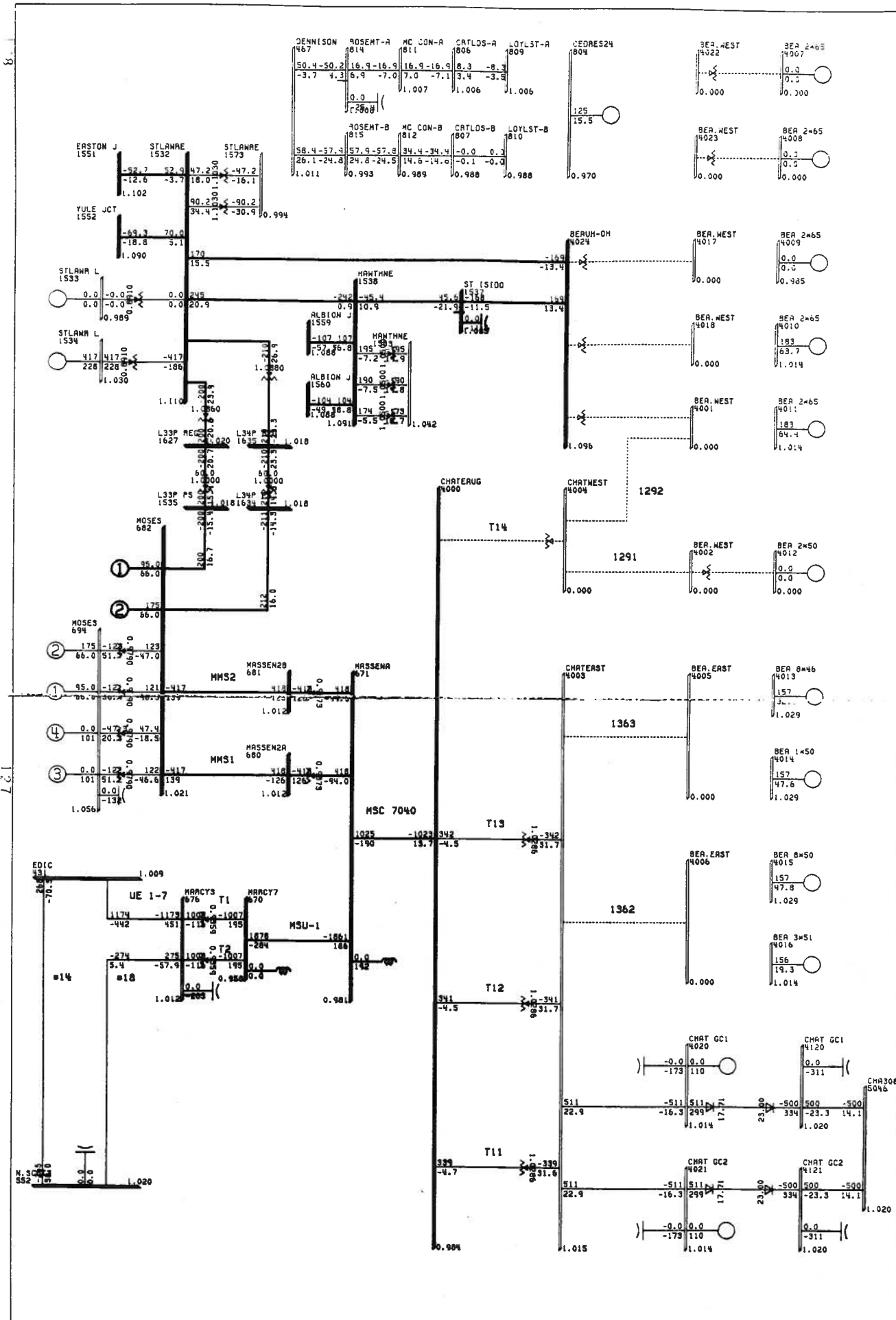
MSC-7040 FLOW @ MASS = 1025. -190.
 @ CHAT = -1023. 14.
 CHAT SVC OUTPUT = 109.6 /109.6

BEAU TIED TO: NY OH CEDAR
 P GEN = 0.0 0.0 0.
 Q GEN = 0.0 0.0 0.
 # MACHINES = 0 0
 EQUIV P.F. = 0.000




 88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE W/ MA-142 Q/S
 88021015 CHT@-1000 L33/34P 450 TO OH MS@-1800
 NYPP EASTERN AREA FRI, FEB 2 1990 14:40

BUS - VOLTAGE (PU)
 BRANCH - MW/MVAR
 EQUIPMENT - MW/MVAR
 KV: 4136, 4230, 4345



88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE W/ MA-142 O/S
 88021015 CHT@-1000 L33/34P 450 TO OH MS@-1800
 CHATEAUGUAY/BEAUMARNIOS AREA FRI, FEB 2 1990 14:38

BUS - VOLTAGE (PU)
 BRANCH - MW/MVAR
 EQUIPMENT - MW/MVAR

MAINTENANCE STUDY REPORT

MOSES NORTH STABILITY LIMITS

MOSES-ADIRONDACK-PORTER OUT OF SERVICE

APPENDIX B

CONTINGENCIES AND SWITCHING SEQUENCES

MOSES NORTH TRANSIENT STABILITY STUDY WITH M-A-P O/S

A P P E N D I X B

SUMMARY OF CONTINGENCIES AND SWITCHING SEQUENCES TESTED

FAULT	FAULT DESCRIPTION	PAGE
MSØ1	3PH-NC@MARC 765/MASSENA-MARCY MSU-1 W/REJ	1
MSØ2	3PH-NC@MOSES 23ØKV/MOSES-ADIR-PORTER W/NO REJ.	2
MSØ4	3PH-NC@MOSES 23Ø/MASSENA-MOSES 765/23Ø MMS-1	3
MSØ6	SLG-STK@MOSES/MASSENA-MOSES MMS-2 W/NO REJ	4
MSØ7	SLG-STK@MASSENA765/MASSENA-MOSES 765/23Ø MMS-1	5
MSØ8	SLG-STK@MOSES /MOSES-ADIR.-PORTER 23Ø W/NO REJ	6
MS1Ø	SLG-STK@MOSES /MOSES-WILLIS-PLATT 23Ø	7
MS11	SLG-STK@MOSES 23Ø/MASSENA-MOSES 23Ø#MMS-1 W/ØREJ	8
MS13	LLG@MOSES /MOSES-MASSENA 23Ø	9
MS14	3PH-NC@CHATEAUGUAY 765KV/CHATEAUGUAY-MASSENA MSC-7Ø4Ø	1Ø
CEØ3	SLG/STK@EDIC345/EDIC-N.SCOT#14.BKUP CLR@FITZ345	11
CEØ7AR	LLG@MARCY/EDIC:MARCY-COOPERS/EDIC-FRASER W/O RCL@EDIC	12
CE1Ø	SLG/STK@MARCY345/MARCY-N.SCOT UNS18/STK@MARCY 345	13
CE23AR	LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER D/C	14
TE33	3PH@NEW SCOTLAND - 99 BUS FAULT	15
OH141	3PH-NC@MILTON/M57ØV MILTON * CLAIREVILLE W/REJ-1ØBRUCE	16

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME
1	3						
2	TEXT, 3PH-NC@MARC765KV / MASSENA-MARCY 765KV MSU-1						
3	TEXT, REJECT RADIAL QUEBEC GENERATION NY#01/MS#01						
4	TEXT, CLEAR MARCY 765 MSU-1 3.5						
5	TEXT, CLEAR MASSENA MSU-1 5.5 (CLEAR FAULT)						
6	TEXT, CLEAR CHATEAUGUAY 7040 7.0 (REJECT HQ GEN)						
7	TEXT, CLEAR MASSENA 7040 8.5						
8	TEXT, * MODIFIED FOR REVERSE POWER/EMERGENCY ASSISTANCE						
9	ODEV						
10	2						
11	OTEMP1.DAT						
12	PDEV						
13	2						
14	PTEMP1.DAT						
15	PSAS						
16	1						
17	TEMP1.DAT						
18	RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV						
19	PASSTHRU						
20	ALTR						
21	8						
22	1						
23	MS01 3PH-NC@MARC765/MASSENA-MARCY MSU-1 W/REJ						
24							
25	0						
26	0						
27	FIN						
28	START OUTPUT SAIJM>CHAN.BIN.FLTI						
29	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0						
30	APPLY FAULT AT BUS 670						
31	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0						
32	TRIP LINE FROM BUS 670 TO BUS 671 CKT 1						
33	CLEAR FAULT						
34	CHANGE MVARB LOAD AT BUS 671 TO 0 MVAR						
35	CHANGE MVARB LOAD AT BUS 670 TO 0 MVAR						
36	APPLY FAULT AT BUS 671 Y 279.0 -7958.3 MVA						
37	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0						
38	CLEAR FAULT						
39	RUN FOR 1.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0						
40	TRIP LINE FROM BUS 671 TO BUS 4000 CKT 1						
41	DROP GENERATOR 1 AT BUS 4020						
42	DISCONNECT BUS 4020						
43	DROP GENERATOR 1 AT BUS 4021						
44	DISCONNECT BUS 4021						
45	DISCONNECT BUS 4003						
46	DISCONNECT BUS 4000						
47	RUN FOR 1.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0						
48	CHANGE MVARB LOAD AT BUS 671 TO 0 MVAR						
49	RUN TO 20 SECONDS PRINT 120 PLOT 5 CRTPLT 0						
50	END						
51	STOP						

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SA1JM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBAS
1	3							
2	TEXT, 3PH @MOSES 230KV ON MASSENA-MOSES 765/230 MMS-1							
3	TEXT, CLEAR MOSES 3.5							
4	TEXT, CLEAR MASSENA 765 5.5 (CLEAR FAULT)							
5	ODEV							
6	2							
7	OTEMP37.DAT							
8	PDEV							
9	2							
10	PTEMP37.DAT							
11	PSAS							
12	1							
13	TEMP1.DAT							
14	RECOVER FROM OSAVH>CHTRM5.SNP AND SA1JM>CONLF2.SAV							
15	PASSTHRU							
16	ALTR							
17	8							
18	1							
19	MS04 3PH-NC@MOSES 230/MASSENA-MOSES 765/230 MMS-1							
20								
21								
22								
23	FIN							
24	START OUTPUT SA1JM>CHAN.BIN.FLT37							
25	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
26	APPLY FAULT AT BUS 682							
27	APPLY FAULT AT BUS 682							
28	ALTER MWP LOAD AT BUS 5046 TO -1000							
29	CHANGE MVARB LOAD AT BUS 4120 TO -0.0 MVAR							
30	CHANGE MVARB LOAD AT BUS 4121 TO -0.0 MVAR							
31	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
32	CLEAR FAULT							
33	DISCONNECT BUS 680							
34	APPLY FAULT AT BUS 671 Y 90.8 -3888.9 MVA							
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CLEAR FAULT							
37	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
38	RUN TO 20 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
39	STOP							

MEMBER	DSN	95	66	95	66
MOSES	230	95	66		
MOSES	230				
CHAS0855	308				
CHAT GC1	308				
CHAT GC2	308				
MASSEN2A	230				
MASSENA	765				

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ PSAS COMMAND FILE TEXT

BUSNAME BASEKV P_GEN Q_GEN P_LOAD TONAME TOBASE

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBASE
1	3							
2	TEXT, SLG-STK @MOSES 230 / MASSENA-MOSES 765/230 MMS-2							
3	TEXT, FAULT AT MOSES 230 WITH							
4	TEXT, STUCK BREAKER AT MOSES CLEARING BANK #4							
5	TEXT, CLEAR MASSENA 765 5.0							
6	TEXT, CLEAR MOSES BACKUP 12.5							
7	TEXT, CLEAR MOSES 230/115 #4 12.5 (CLEAR FAULT)							
8	ODEV							
9	2							
10	OTEMP5.DAT							
11	PDEV							
12	2							
13	PTEMP5.DAT							
14	PSAS							
15	1							
16	TEMP1.DAT							
17	RECOVER FROM OSAVH>CHTRM5.SNP AND SAIJM>CONLF1.SAV							
18	PASSTHRU							
19	ALTR							
20	8							
21	1							
22	MS06 SLG-STK@MOSES/MASSENA-MOSES MMS-2 W/NO REJ							
23								
24	0							
25	0							
26	FIN							
27	START OUTPUT SAIJM>CHAN.BIN.FLT5							
28	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
29	APPLY FAULT AT BUS 682 Y 373.5 -6569.2 MVA							
30	RUN FOR 5.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
31	DISCONNECT BUS 680							
32	RUN FOR 7.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
33	CLEAR FAULT							
34	TRIP LINE FROM BUS 682 TO BUS 694 CKT 4							
35	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
36	RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0							
37	END							
38	STOP							

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ PSAS COMMAND FILE TEXT BUSNAME BASEKV P_GEN Q_GEN P_LOAD TONAME TOBA

```

1 3
2 TEXT, SLG-STK@MASSENA765/ MASSENA-MOSES 765/230 MMS-1
3 TEXT, IF FAULT INSIDE BANK => ADD 1 CYCLE TO CLEARING TIME
4 TEXT, FAULT ON HIGH-SIDE OF 765/230 BANK
5 TEXT, WITH STUCK BREAKER MASSENA 765KV
6 TEXT, CLEAR MOSES 230 5.5
7 TEXT, CLEAR MASSENA 765 12.0 (CLEAR FAULT)
8 ODEV
9 2
10 OTEMP6.DAT
11 PDEV
12 2
13 PTEMP6.DAT
14 PSAS
15 1
16 TEMP1.DAT
17 RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV
18 PASSTHRU
19 ALTR
20 8
21 1
22 MS07 SLG-STK@MASSENA765/MASSENA-MOSES 765/230 MMS-1
23
24 0
25 0
26 FIN
27 START OUTPUT SAIJM>CHAN.BIN.FLT6
28 RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0
29 APPLY FAULT AT BUS 671 Y 550.2 -4587.7 MVA
30 RUN FOR 5.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0
31 DISCONNECT BUS 680
32 RUN FOR 6.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0
33 CLEAR FAULT
34 RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0
35 RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0
36 END
37 STOP
  
```

MASSENA 765
 MASSEN2A 230

MEMBER:
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBAS
1	3							
2	TEXT, SLG-STK@MOSES 230/MOSES-ADIR.-PORTER 230 MAP-1/11							
3	TEXT, FAULT AT MOSES, STUCK BREAKER AT MOSES 230							
4	TEXT, CLEAR ADIRONDACK/PORTER 5.5							
5	TEXT, CLEAR MOSES BACKUP 12.5							
6	TEXT, CLEAR WILLIS-PLATTSBURG 14.5 (CLEAR FAULT)							
7	ODEV							
8	2							
9	OTEMP7.DAT							
10	PDEV							
11	2							
12	PTEMP7.DAT							
13	PSAS							
14	1							
15	TEMP1.DAT							
16	RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV							
17	PASSTHRU							
18	ALTR							
19	8							
20	1							
21	MS08 SLG-STK@MOSES /MOSES-ADIR.-PORTER 230 W/NO REJ							
22								
23	0							
24	0							
25	FIN							
26	START OUTPUT SAIJM>CHAN.BIN.FLT7							
27	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
28	APPLY FAULT AT BUS 682 Y 373.5 -6568.6 MVA							
29	RUN FOR 5.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
30	DISCONNECT BUS 678							
31	RUN FOR 7.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
32	CLEAR FAULT							
33	TRIP LINE FROM BUS 682 TO BUS 688 CKT 1							
34	APPLY FAULT AT BUS 688 Y 215.4 -1391.7 MVA							
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CLEAR FAULT							
37	DISCONNECT BUS 688							
38	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
39	RUN TO 20 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
40	END							
41	STOP							

MEMRFR
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBAS
1	3 TEXT, SLG-STK@MOSES 230/MOSES-WILLIS-PLATT 230							
2	TEXT, FAULT AT MOSES, STUCK BREAKER AT MOSES 230							
3	TEXT, CLEAR WILLIS-PLATTSBURG 6.0							
4	TEXT, CLEAR MOSES-WILLIS 13.0							
5	TEXT, CLEAR WILLIS BANK 15.0 (CLEAR FAULT)							
6	TEXT,							
7	ODEV							
8	2							
9	OTEMP9.DAT							
10	PDEV							
11	2							
12	PTEMP9.DAT							
13	PSAS							
14	1							
15	TEMP1.DAT							
16	RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV							
17	PASSTHRU							
18	ALTR							
19	8							
20	1							
21	MS10 SLG-STK@MOSES /MOSES-WILLIS-PLATT 230							
22								
23	0							
24	0							
25	FIN							
26	START OUTPUT SAIJM>CHAN.BIN.FLT9							
27	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
28	APPLY FAULT AT BUS 682 Y 373.5 -6568.6 MVA							
29	RUN FOR 6.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
30	TRIP LINE FROM BUS 687 TO BUS 689 CKT 1							
31	RUN FOR 7.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
32	CLEAR FAULT							
33	TRIP LINE FROM BUS 682 TO BUS 689 CKT 1							
34	APPLY FAULT AT BUS 689 Y 215.4 -1391.7 MVA							
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CLEAR FAULT							
37	RUN TO 1 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
38	RUN TO 20 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
39	END							
40	STOP							
		MOSES	230	95	66	0	WILLIS W	230
		PLAT T#4	230			0	WILLIS W	230
		MOSES	230			0	WILLIS W	230
		WILLIS W	230			0		
				95	66	0		
				95	66	0		
				95	66	0		

MEMBER
DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SA1JM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	T
1	3							
2	TEXT, LLG @ MOSES 230KV ON MOSES-MASSENA 1&2							
3	TEXT, CLEAR MOSES							
4	TEXT, CLEAR MASSENA							
5	ODEV							
6	2							
7	OTEMP12.DAT							
8	PDEV							
9	2							
10	PTEMP12.DAT							
11	PSAS							
12	1							
13	TEMP1.DAT							
14	RECOVER FROM OSAWH>CHTRMS.SNP AND SA1JM>CONLF1.SAV							
15	PASSTHRU							
16	ALTR							
17	8							
18	1							
19	MS13 LLG@MOSES /MOSES-MASSENA 230							
20								
21								
22								
23	FIN							
24	START OUTPUT SA1JM>CHAN.BIN.FLT12							
25	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
26	APPLY FAULT AT BUS 682 Y 2061.1 -30232.9 MVA							
27	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
28	CLEAR FAULT							
29	TRIP LINE FROM BUS 682 TO BUS 680 CKT 1							
30	TRIP LINE FROM BUS 682 TO BUS 681 CKT 1							
31	CHANGE MWG LOAD BUS 680 TO 562.3 MW							
32	CHANGE MVAR LOAD BUS 680 TO -8365.6 MVAR							
33	CHANGE MWG LOAD BUS 681 TO 562.3 MW							
34	CHANGE MVAR LOAD BUS 681 TO -8365.6 MVAR							
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CHANGE MWG LOAD BUS 680 TO 0 MW							
37	CHANGE MVAR LOAD BUS 680 TO 0 MVAR							
38	CHANGE MWG LOAD BUS 681 TO 0 MW							
39	CHANGE MVAR LOAD BUS 681 TO 0 MVAR							
40	DISCONNECT BUS 680							
41	DISCONNECT BUS 681							
42	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
43	RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0							
44	END							
45	STOP							

 MEMBER
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME
1	3 TEXT, 3PH-NC@CHATEAUGUAY 765KV/CHATEAUGUAY--MASSENA MSC-7040						
2	TEXT, CLEAR CHATEAUGUAY 765/120 3.5						
3	TEXT, CLEAR MASSENA 7040 5.5 (CLEAR FAULT)						
4	TEXT, THIS VERSION FOR 2 DC POLES IN-SERVICE						
5	TEXT, THIS VERSION FOR 2 DC POLES IN-SERVICE						
6	ODEV						
7	2						
8	OTEMP13.DAT						
9	PDEV						
10	2						
11	PTEMP13.DAT						
12	PSAS						
13	1						
14	TEMP1.DAT						
15	RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV						
16	PASSTHRU						
17	ALTR						
18	8						
19	1						
20	MS14 3PH-NC@CHATEAUGUAY 765KV/CHATEAUGUAY--MASSENA MSC-7040						
21							
22							
23							
24	FIN						
25	START OUTPUT SAIJM>CHAN.BIN.FLT13						
26	RUN TO 0.1 SECOND PRINT 120 PLOT 3 CRTPLT 0						
27	BLOCK DECLINE 1						
28	BLOCK DECLINE 2						
29	APPLY FAULT AT BUS 4000						
30	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0						
31	CLEAR FAULT						
32	UNBLOCK DECLINE 1						
33	UNBLOCK DECLINE 2						
34	DISCONNECT BUS 5370						
35	DROP GENERATOR 1 AT BUS 4020						
36	DISCONNECT BUS 4020						
37	DROP GENERATOR 1 AT BUS 4021						
38	DISCONNECT BUS 4021						
39	DISCONNECT BUS 4003						
40	DISCONNECT BUS 4000						
41	CHANGE MVARB LOAD AT BUS 4120 TO -0.0 MVAR						
42	CHANGE MVARB LOAD AT BUS 4121 TO -0.0 MVAR						
43	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0						
44	RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0						
45	END						
46	STOP						

MEMBER
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN-SAIJM-FAULT.DAT MEMBER =

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBAS
1	3							
2	TEXT, SLG-STK@MOSES 230/MOSES-WILLIS-PLATT 230							
3	TEXT, FAULT AT MOSES, STUCK BREAKER AT MOSES 230							
4	TEXT, CLEAR WILLIS-PLATT@BURG 6.0							
5	TEXT, CLEAR MOSES-WILLIS 13.0							
6	TEXT, CLEAR WILLIS BANK 15.0 (CLEAR FAULT)							
7	ODEV							
8	2							
9	OTEMP9.DAT							
10	PDEV							
11	2							
12	PTEMP9.DAT							
13	PSAS							
14	1							
15	TEMP1.DAT							
16	RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV							
17	PASSTHRU							
18	ALTR							
19	8							
20	1							
21	MS10 SLG-STK@MOSES /MOSES-WILLIS-PLATT 230							
22								
23	0							
24	0							
25	FIN							
26	START OUTPUT SAIJM>CHAN.BIN.FLT9							
27	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
28	APPLY FAULT AT BUS 682 Y 373.5 -6568.6 MVA							
29	RUN FOR 6.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
30	TRIP LINE FROM BUS 687 TO BUS 689 CKT 1							
31	RUN FOR 7.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
32	CLEAR FAULT							
33	TRIP LINE FROM BUS 682 TO BUS 689 CKT 1							
34	APPLY FAULT AT BUS 689 Y 215.4 -1391.7 MVA							
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CLEAR FAULT							
37	RUN TO 1 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
38	RUN TO 20 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
39	END							
40	STOP							

MEMBER
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ PSAS COMMAND FILE TEXT

1 3
 2 TEXT, SLG-STK@MOSES 230 / MASSENA-MOSES 765/230 MMS-1
 3 TEXT, TEST MS06 W/8-UNIT REJECTION @ MOSES 230
 4 TEXT, FAULT AT MOSES 230 WITH
 5 TEXT, STUCK BREAKER AT MOSES CLEARING BANK#4
 6 TEXT, CLEAR MASSENA 765 5.5
 7 TEXT, CLEAR MOSES BACKUP 12.5
 8 TEXT, CLEAR MOSES 230/115 #4 12.5 (CLEAR FAULT)
 9 TEXT, REJECT 0-UNITS @ MOSES 12.5
 10 ODEV
 11 2
 12 OTEMP10.DAT
 13 PDEV
 14 2
 15 PTEMP10.DAT
 16 PSAS
 17 1
 18 TEMP1.DAT
 19 RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV
 20 PASSTHRU
 21 ALTR
 22 8
 23 1
 24 MS11 SLG-STK@MOSES 230/MASSENA-MOSES 230#MMS-1 W/8REJ
 25 0
 26 0
 27 0
 28 FIN
 29 START OUTPUT SAIJM>CHAN.BIN.FLT10
 30 RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0
 31 APPLY FAULT AT BUS 682 Y 373.5 -6569.2 MVA
 32 RUN FOR 5.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0
 33 DISCONNECT BUS 680
 34 RUN FOR 7.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0
 35 CLEAR FAULT
 36 DROP GENERATOR 2 AT BUS 682
 37 DROP GENERATOR 1 AT BUS 682
 38 TRIP LINE FROM BUS 682 TO BUS 694 CKT 4
 39 RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0
 40 RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0
 41 END
 42 STOP

BUSNAME BASEKV P_GEN Q_GEN P_LOAD TONAME TOBA

MOSES	230	95	66	249	MOSES	11
MASSEN2A	230					
MOSES	230					
MOSES	230					
MOSES	230					
---	---	---	---	---	---	---
95	95	66	66	249	249	11
==	==	==	==	==	==	==
95	95	66	66	249	249	11

MEMBER
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SA1JM.FAULT.DAT MEMBER=

SEQ PSAS COMMAND FILE TEXT BUSNAME BASEKV P_GEN Q_GEN P_LOAD TONAME T

1 3
 2 TEXT, LLG @ MOSES 230KV ON MOSES-MASSENA 1&2
 3 TEXT, CLEAR MOSES 3.5
 4 TEXT, CLEAR MASSENA 5.5 (CLEAR FAULT)
 5 ODEV
 6 2
 7 OTEMP12.DAT
 8 PDEV
 9 2
 10 PTEMP12.DAT
 11 PSAS
 12 1
 13 TEMP1.DAT
 14 RECOVER FROM OSAWH>CHTRM5.SNP AND SA1JM>CONLF1.SAV
 15 PASSTHRU
 16 ALTR
 17 8
 18 1
 19 MS13 LLG@MOSES /MOSES-MASSENA 230
 20
 21
 22
 23 FIN
 24 START OUTPUT SA1JM>CHAN.BIN.FLT12
 25 RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0
 26 APPLY FAULT AT BUS 682 Y 2061.1 -30232.9 MVA
 27 RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0
 28 CLEAR FAULT
 29 TRIP LINE FROM BUS 682 TO BUS 680 CKT 1
 30 TRIP LINE FROM BUS 682 TO BUS 681 CKT 1
 31 CHANGE MWG LOAD BUS 680 TO 562.3 MW
 32 CHANGE MVARB LOAD BUS 680 TO -8365.6 MVAR
 33 CHANGE MWG LOAD BUS 681 TO 562.3 MW
 34 CHANGE MVARB LOAD BUS 681 TO -8365.6 MVAR
 35 RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0
 36 CHANGE MWG LOAD BUS 680 TO 0 MW
 37 CHANGE MVARB LOAD BUS 680 TO 0 MVAR
 38 CHANGE MWG LOAD BUS 681 TO 0 MW
 39 CHANGE MVARB LOAD BUS 681 TO 0 MVAR
 40 DISCONNECT BUS 680
 41 DISCONNECT BUS 681
 42 RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0
 43 RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0
 44 END
 45 STOP

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	T
1	3							
2	TEXT, LLG @ MOSES 230KV ON MOSES-MASSENA 1&2							
3	TEXT, CLEAR MOSES 3.5							
4	TEXT, CLEAR MASSENA 5.5 (CLEAR FAULT)							
5	ODEV							
6	2							
7	OTEMP12.DAT							
8	PDEV							
9	2							
10	PTEMP12.DAT							
11	PSAS							
12	1							
13	TEMP1.DAT							
14	RECOVER FROM OSAWH>CHTRM5.SNP AND SA1JM>CONLF1.SAV							
15	PASSTHRU							
16	ALTR							
17	8							
18	1							
19	MS13 LLG@MOSES /MOSES-MASSENA 230							
20								
21								
22								
23	FIN							
24	START OUTPUT SA1JM>CHAN.BIN.FLT12							
25	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
26	APPLY FAULT AT BUS 682 Y 2061.1 -30232.9 MVA							
27	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0	MOSES	230	95	66	0		
28	CLEAR FAULT							
29	TRIP LINE FROM BUS 682 TO BUS 680 CKT 1	MOSES	230					
30	TRIP LINE FROM BUS 682 TO BUS 681 CKT 1	MOSES	230					
31	CHANGE MWG LOAD BUS 680 TO 562.3 MW	MASSENA2A	230					
32	CHANGE MVARB LOAD BUS 680 TO -8365.6 MVAR	MASSENA2B	230					
33	CHANGE MWG LOAD BUS 681 TO 562.3 MW	MASSENA2A	230					
34	CHANGE MVARB LOAD BUS 681 TO -8365.6 MVAR	MASSENA2B	230					
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CHANGE MWG LOAD BUS 680 TO 0 MW	MASSENA2A	230					
37	CHANGE MVARB LOAD BUS 680 TO 0 MVAR	MASSENA2A	230					
38	CHANGE MWG LOAD BUS 681 TO 0 MW	MASSENA2B	230					
39	CHANGE MVARB LOAD BUS 681 TO 0 MVAR	MASSENA2B	230					
40	DISCONNECT BUS 680	MASSENA2A	230					
41	DISCONNECT BUS 681	MASSENA2B	230					
42	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
43	RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0							
44	END							
45	STOP							

MEMBER
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ PSAS COMMAND FILE TEXT BUSNAME BASEKV P_GEN Q_GEN P_LOAD TONAME T

```

1 3
2 TEXT, 3PH-NC@CHATEAUGUAY 765KV/CHATEAUGUAY--MASSENA MSC-7040
3 TEXT, CLEAR CHATEAUGUAY 765/120 3.5
4 TEXT, CLEAR MASSENA 7040 5.5 (CLEAR FAULT)
5 TEXT, THIS VERSION FOR 2 DC POLES IN-SERVICE
6 ODEV
7 2
8 OTEMP13.DAT
9 PDEV
10 2
11 PTEMP13.DAT
12 PSAS
13 1
14 TEMP1.DAT
15 RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV
16 PASSTHRU
17 ALTR
18 8
19 1
20 MS14 3PH-NC@CHATEAUGUAY 765KV/CHATEAUGUAY--MASSENA MSC-7040
21
22 0
23 0
24 FIN
25 START OUTPUT SAIJM>CHAN.BIN.FLT13
26 RUN TO 0.1 SECOND PRINT 120 PLOT 3 CRTPLT 0
27 BLOCK DECLINE 1
28 BLOCK DECLINE 2
29 APPLY FAULT AT BUS 4000
30 RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0
31 CLEAR FAULT
32 UNBLOCK DECLINE 1
33 UNBLOCK DECLINE 2
34 DISCONNECT BUS 5370
35 DROP GENERATOR 1 AT BUS 4020
36 DISCONNECT BUS 4020
37 DROP GENERATOR 1 AT BUS 4021
38 DISCONNECT BUS 4021
39 DISCONNECT BUS 4003
40 DISCONNECT BUS 4000
41 CHANGE MVARB LOAD AT BUS 4120 TO -0.0 MVAR
42 CHANGE MVARB LOAD AT BUS 4121 TO -0.0 MVAR
43 RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0
44 RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0
45 END
46 STOP
  
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08021000 NYPP CHATEAUGUAY HVDC REVERSE MODE T.S. TESTING
 08021016 CHT0-1000 L33/34P 250 TO OH MS0-1638

1:06 FRIDAY, DECEMBER 2

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SA1JM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TBASEKV
1	3							
2	TEXT, SLG/STK0EDIC345KV EDIC-N.SCOT #14/BKUP CLR0FITZ 345							
3	TEXT, * FAULT AT EDIC, STUCK BREAKER AT EDIC 345KV							
4	TEXT, CLEAR N.SCOTLAND 5							
5	TEXT, CLEAR EDIC BACKUP 8.5							
6	TEXT, CLEAR FITZ 345KV 10.5 (CLEAR FAULT)							
7	ODEV							
8	2							
9	OTEMP7.DAT							
10	PDEV							
11	2							
12	PTEMP7.DAT							
13	PSAS							
14	1							
15	TEMP1.DAT							
16	RECOVER FROM OSAWH>CHTRM5.SNP AND SA1JM>CONLF1.SAV							
17	PASSTHRU							
18	ALTR							
19	8							
20	1							
21	CE#3 SLG/STK0EDIC345/EDIC-N.SCOT#14;BKUP CLR0FITZ345							
22								
23	0							
24	0							
25	FIN							
26	START OUTPUT SA1JM>CHAN.BIN.FLT7							
27	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
28	APPLY FAULT AT BUS 431 Y 883.11 -7196.23 MVA	EDIC	345					
29	RUN FOR 5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
30	TRIP LINE FROM BUS 431 TO BUS 552 CKT 1	EDIC	345				N.SCOT3	345
31	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
32	CLEAR FAULT							
33	TRIP LINE FROM BUS 673 TO BUS 431 CKT 1	JA FITZP	345				EDIC	345
34	APPLY FAULT AT BUS 673 Y 184.1 -1955.3 MVA	JA FITZP	345					
35	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	CLEAR FAULT							
37	RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
38	RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0							
39	END							
40	STOP							

MEMBER
 DSN

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN-SAIJ.M.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TO
1	3							
2	TEXT. LLG @MARC/EDIC ON MARCY-COOP GRMRS & EDIC-FRASER DBL CCT							
3	TEXT. CLEAR EDIC EF-24/40							
4	TEXT. CLEAR MARCY UCC-2/41							
5	TEXT. CLEAR FRASER EF-24/40							
6	TEXT. CLEAR COOPERS CORNERS UCC-2/41							
7	TEXT. RECLOSE UCC-2/41 @ COOPERS CORNERS							
8	TEXT. TRIP UCC-2/41 @ COOPERS CORNERS							
9	TEXT. RECLOSE UCC-2/41 @ COOPERS CORNERS							
10	TEXT. TRIP UCC-2/41 @ COOPERS CORNERS							
11	TEXT. RECLOSE EF-24/40 @ FRASER							
12	TEXT. TRIP EF-24/40 @ FRASER							
13	TEXT. ODEV							
14	2							
15	OTEMP8.DAT							
16	PDEV							
17	2							
18	PTEMP8.DAT							
19	PSAS							
20	1							
21	TEMP1.DAT							
22	RECOVER FROM OSAWH>CHTRM5.SNP AND SAIJM>CONLF1.SAV							
23	PASSTHRU							
24	ALTR							
25	8							
26	1							
27	CEB7AR LLG@MARC/EDIC:MARC-COOPERS/EDIC-FRASER W/O RCL@EDIC							
28								
29	0							
30	0							
31	FIN							
32	START OUTPUT SAIJM>CHAN.BIN.FLT8							
33	RUN TO .1 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
34	APPLY FAULT AT BUS 431 Y 1743.55 -13682.45 MVA							
35	APPLY FAULT AT BUS 676 Y 1743.55 -13682.45 MVA							
36	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
37	CLEAR FAULT							
38	CHANGE MVAR8 LOAD AT BUS 431 TO -0.0 MVAR							
39	CHANGE MWC LOAD AT BUS 431 TO -0.0 MW							
40	TRIP LINE FROM BUS 676 TO BUS 218							
41	TRIP LINE FROM BUS 676 TO BUS 218							
42	APPLY FAULT AT BUS 218 Y 151.48 -2459.88 MVA							
43	APPLY FAULT AT BUS 220 Y 151.48 -2459.88 MVA							
44	RUN FOR 2.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
45	CLEAR FAULT							
46	DISCONNECT BUS 218							
47	RUN FOR 2 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
48	RUN TO 10.1 SECONDS PRINT 400 PLOT 7 CRTPLT 0							
49	APPLY FAULT AT BUS 219 Y 151.48 -2459.88 MVA							
50	RUN FOR 4.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
51	CLEAR FAULT							
52	RUN TO 10.1 SECONDS PRINT 400 PLOT 7 CRTPLT 0							
53	APPLY FAULT AT BUS 219 Y 151.48 -2459.88 MVA							
54	RUN FOR 4.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
55	CLEAR FAULT							
56	RUN TO 20.1 SECONDS PRINT 400 PLOT 7 CRTPLT 0							
57	APPLY FAULT AT BUS 220 Y 151.48 -2459.88 MVA							
58	RUN FOR 4.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
59	CLEAR FAULT							
60	RUN FOR 2 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
61	RUN TO 300 SECONDS PRINT 120 PLOT 7 CRTPLT 0							
62	END							
63	STOP							

MEMBER

88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE T.S. TESTING
 88021016 CHT0-1000 L33/34P 250 TO OH MS0-1638

6:37 FRIDAY, DECEMBER 2

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SA1JM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBA
1	3 TEXT, SLG/STK@MARCY345/MARCY-N.SCOT UNS18/STK@MARCY 345							
2	3 TEXT, * FAULT AT MARCY 345, STUCK BREAKER AT MARCY							
3	4 TEXT, CLEAR N.SCOTLAND 5.0							
4	5 TEXT, CLEAR MARCY BACKUP 10.0							
5	6 TEXT, CLEAR MARCY 765/345 #2 10.0 (CLEAR FAULT)							
6	7 ODEV							
7	8 2							
8	9 OTEMP10.DAT							
9	10 PDEV							
10	11 2							
11	12 PTEMP10.DAT							
12	13 PSAS							
13	14 1							
14	15 TEMP1.DAT							
15	16 RECOVER FROM OSAW>CHTRM5.SNP AND SA1JM>CONLF1.SAV							
16	17 PASSTHRU							
17	18 ALTR							
18	19 8							
19	20 1							
20	21 CE10 SLG/STK@MARCY345/MARCY-N.SCOT UNS18/STK@MARCY 345							
21	22							
22	23 0							
23	24 0							
24	25 FIN							
25	26 START OUTPUT SA1JM>CHAN.BIN.FLT10							
26	27 RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
27	28 APPLY FAULT AT BUS 676 Y 986.99 -6604.07 MVA	MARCY3	345					
28	29 RUN FOR 5 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
29	30 TRIP LINE FROM BUS 676 TO BUS 552 CKT 1	MARCY3	345				N.SCOT3	34
30	31 RUN FOR 5.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
31	32 CLEAR FAULT							
32	33 TRIP LINE FROM BUS 676 TO BUS 670 CKT 2	MARCY3	345				MARCY7	76
33	34 RUN FOR 2 SECONDS PRINT 120 PLOT 3 CRTPLT 0							
34	35 RUN TO 20 SECONDS PRINT 480 PLOT 5 CRTPLT 0							
35	36 END							
36	37 STOP							

 MEMBER
 DSN

88821888 NYPP CHATEAUGUAY HVDC REVERSE MODE T.S. TESTING
88821816 CH10-1888 L33/34P 25# TO OH MS0-1638

15:47 FRIDAY, DECEMBER 2

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN-SAIJM.FAULT.DAT MEMBER-

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOB
1	3							
2	TEXT, LLG @FRASER ON MARCY-COOP CRNRS & EDIC-FRASER DBL CCT							
3	CLEAR FRASER EF-24/4#							
4	TEXT, CLEAR MARCY UCC-2/41							
5	TEXT, CLEAR COOPERS CORNERS UCC-2/41							
6	TEXT, CLEAR EDIC EF-24/4#							
7	TEXT, RECLOSE UCC-2/41 @ COOPERS CORNERS							
8	TEXT, TRIP UCC-2/41 @ COOPERS CORNERS							
9	TEXT, RECLOSE UCC-2/41 @ COOPERS CORNERS							
10	TEXT, TRIP UCC-2/41 @ COOPERS CORNERS							
11	TEXT, RECLOSE EF-24/4# @ FRASER							
12	TEXT, TRIP EF-24/4# @ FRASER							
13	ODEV							
14	2							
15	OTEMP12.DAT							
16	PDEV							
17	2							
18	PTEMP12.DAT							
19	PSAS							
20	1							
21	TEMP1.DAT							
22	RECOVER FROM OSAMH>CHTRMS.SMP AND SAIJM>CONLF1.SAV							
23	PASSTHRU							
24	ALTR							
25	8							
26	1							
27	CE23AR LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER D/C							
28								
29	#							
30	#							
31	FIN							
32	START OUTPUT SAIJM>CHAN.BIN.FLT12							
33	RUN TO .1 SECONDS PRINT 12# PLOT 3 CRTPLT #							
34	APPLY FAULT AT BUS 218 Y 13#2.89 -12826.67 MVA							
35	APPLY FAULT AT BUS 22# Y 13#2.89 -12826.67 MVA							
36	RUN FOR 3.5 CYCLES PRINT 12# PLOT 3 CRTPLT #							
37	CLEAR FAULT							
38	APPLY FAULT AT BUS 218 Y 452.68 -3621.45 MVA							
39	APPLY FAULT AT BUS 431 Y 166.21 -1819.34 MVA							
40	TRIP LINE FROM BUS 431 TO BUS 22#							
41	RUN FOR 1.# CYCLES PRINT 12# PLOT 3 CRTPLT #							
42	DISCONNECT BUS 218							
43	RUN FOR 1.# CYCLES PRINT 12# PLOT 3 CRTPLT #							
44	CLEAR FAULT							
45	RUN FOR 3# CYCLES PRINT 12# PLOT 3 CRTPLT #							
46	RUN FOR 2 SECONDS PRINT 48# PLOT 5 CRTPLT #							
47	RUN TO 1# .1 SECONDS PRINT 96# PLOT 7 CRTPLT #							
48	APPLY FAULT AT BUS 219 Y 166.21 -1819.34 MVA							
49	RUN FOR 4.5 CYCLES PRINT 12# PLOT 3 CRTPLT #							
50	CLEAR FAULT							
51	RUN FOR 2 SECONDS PRINT 48# PLOT 5 CRTPLT #							
52	RUN TO 18.1 SECONDS PRINT 96# PLOT 7 CRTPLT #							
53	APPLY FAULT AT BUS 219 Y 166.21 -1819.34 MVA							
54	RUN FOR 4.5 CYCLES PRINT 12# PLOT 3 CRTPLT #							
55	CLEAR FAULT							
56	RUN FOR 1 SECONDS PRINT 48# PLOT 5 CRTPLT #							
57	RUN TO 2# .1 SECONDS PRINT 96# PLOT 7 CRTPLT #							
58	APPLY FAULT AT BUS 22# Y 368.57 -2975.51 MVA							
59	RUN FOR 3.5 CYCLES PRINT 12# PLOT 3 CRTPLT #							
60	CLEAR FAULT							
61	RUN FOR 2 SECONDS PRINT 48# PLOT 5 CRTPLT #							
62	RUN TO 3#							
63	END							
64	STOP							

MEMBER

88021000 NYPP CHATEAUGUAY HVDC REVERSE MODE T.S. TESTING
 88021016 CHT@-1000 L33/34P 250 TO OH MS@-1638

0.10 SATURDAY, DECEMBER 2

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SAIJM.FAULT.DAT MEMBER=

SEQ	PSAS COMMAND FILE TEXT	BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TOBASEKV
1	3							
2	TEXT, NEW SCOTLAND #99 BUS FAULT							
3	TEXT, 3PH @ N.SCOT 345KV							
4	TEXT, CLEAR MARCY							
5	TEXT, CLEAR GILBOA							
6	TEXT, CLEAR LEEDS							
7	TEXT, CLEAR N.S. BANK 1							
8	TEXT, CLEAR BUS TIE							
9	ODEV							
10	2							
11	OTEMP14.DAT							
12	PDEV							
13	2							
14	PTEMP14.DAT							
15	PSAS							
16	1							
17	TEMP1.DAT							
18	RECOVER FROM OSAVH>CHTRM5.SNP AND SAIJM>CONLF1.SAV							
19	PASSTHRU							
20	ALTR							
21	8							
22	1							
23	TE33 3PHNEW SCOTLAND - 99 BUS FAULT							
24								
25	0							
26	0							
27	FIN							
28	START OUTPUT SAIJM>CHAN.BIN.FLT14							
29	RUN TO .1 SECOND PRINT 120 PLOT 3 CRTPLT 0							
30	APPLY FAULT AT BUS 552							
31	RUN FOR 3.5 CYCLES PRINT 120 PLOT 3 CRTPLT 0	N.SCOT3	345					
32	TRIP LINE FROM BUS 552 TO BUS 676 CKT 1	N.SCOT3	345					
33	TRIP LINE FROM BUS 552 TO BUS 674 CKT 1	N.SCOT3	345					
34	TRIP LINE FROM BUS 552 TO BUS 551 CKT 1	N.SCOT3	345					
35	RUN FOR 1.0 CYCLES PRINT 120 PLOT 3 CRTPLT 0							
36	TRIP LINE FROM BUS 552 TO BUS 549 CKT 1							
37	CLEAR FAULT							
38	CHANGE MVARB LOAD AT BUS 552 TO -135.0 MVAR							
39	RUN TO 20 SECONDS PRINT 120 PLOT 5 CRTPLT 0							
40	END							
41	STOP							

MEMBER
DSN

00021000 NYPP CHATEAUGUAY HVDC REVERSE MODE T.S. TESTING
 88021016 CHT0-1000 L33/34P 250 TO OH MS0-1638

10:28 SUNDAY, DECEMBER 2

SUMMARY OF PSAS FILES

SWITCHING DATA IN DSN=SA1JM.FAULT.DAT MEMBER=

SEQ PSAS COMMAND FILE TEXT

```

1 3
2 TEXT, 3PH-NC@MILTON/M570V MILTON * CLAIREVILLE REJ-10BRUCE
3 TEXT, GRAMS SP IN SERVICE 1-UNIT REJ. ARMED
4 ODEV
5 2
6 OTEMP15.DAT
7 PDEV
8 2
9 PTEMP15.DAT
10 PSAS
11 1
12 TEMP1.DAT
13 RECOVER FROM OSAWH>CHTRM5.SNP AND SA1JM>CONLF2.SAV
14 PASSTHRU
15 ALTR
16 8
17 1
18 OH141 3PH-NC@MILTON/M570V MILTON * CLAIREVILLE W/REJ-10BRUCE
19
20 0
21 0
22 FIN
23 START OUTPUT SA1JM>CHAN.BIN.FLT15
24 RUN TO .1 SECONDS PRINT 120 PLOT 3 CRTPLT 0
25 APPLY FAULT AT BUS 1400
26 RUN TO 0.17267 SECONDS PRINT 120 PLOT 3 CRTPLT 0
27 CLEAR FAULT
28 TRIP LINE FROM BUS 1400 TO BUS 1393 CKT 1
29 APPLY FAULT AT BUS 1393 Y 4950 -49505 MVA
30 RUN TO 0.19567 SECONDS PRINT 120 PLOT 3 CRTPLT 0
31 CLEAR FAULT
32 PASSTHRU
33 ALTR / CORRECT FOR MUTUALS 1-LINE IN SERVICE
34 0
35 1
36 0
37 3
38 1400 1393 2
39 1
40 0.000196,0.002142,0.877649
41 0
42 0
43 0
44 FIN
45 RUN TO 0.2 SECONDS PRINT 120 PLOT 3 CRTPLT 0
46 DROP GENERATOR 1 AT BUS 9164
47 RUN TO 20 SECONDS PRINT 120 PLOT 3 CRTPLT 0
48 END
49 STOP
50 TEXT, FOR ONE LINE I/S CHANGE R-X-B TO .000196/.002142/.877649
51 TEXT, FOR TWO LINE I/S CHANGE R-X-B TO .000187/.002035/.899934 (EACH CKT)

```

BUSNAME	BASEKV	P_GEN	Q_GEN	P_LOAD	TONAME	TBASEKV
MILTON 5	500					
MILTON 5 CLAIREVI	500 500				CLAIREVI	500
BRUCE 5G	24	889	360	75.181		
MEMBER	889	360	75.181			
DSN	889	360	75.181			
	889	360	75.181			

MAINTENANCE STUDY REPORT

MOSES NORTH STABILITY LIMITS

MOSES-ADIRONDACK-PORTER OUT OF SERVICE

APPENDIX C

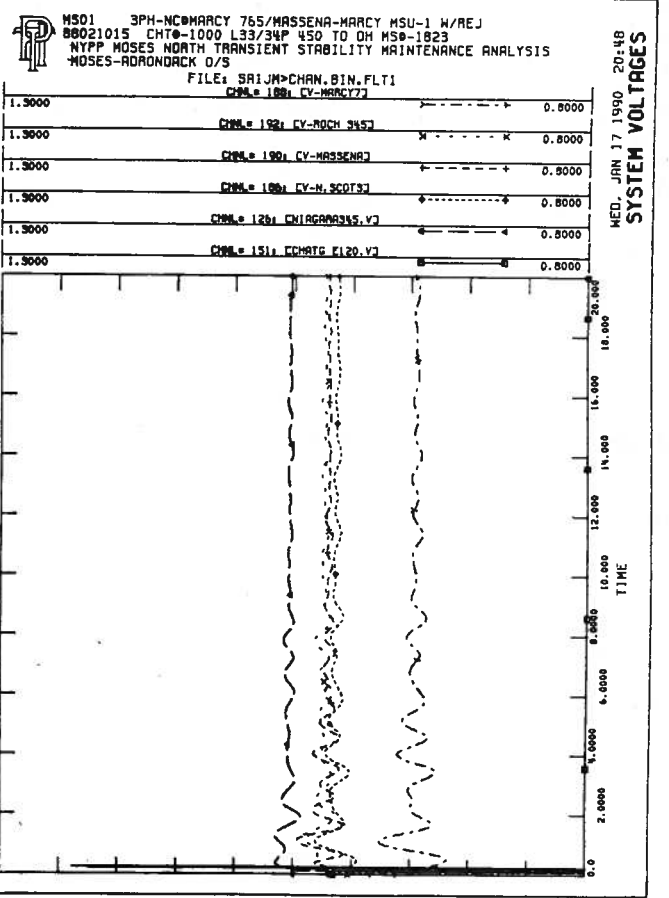
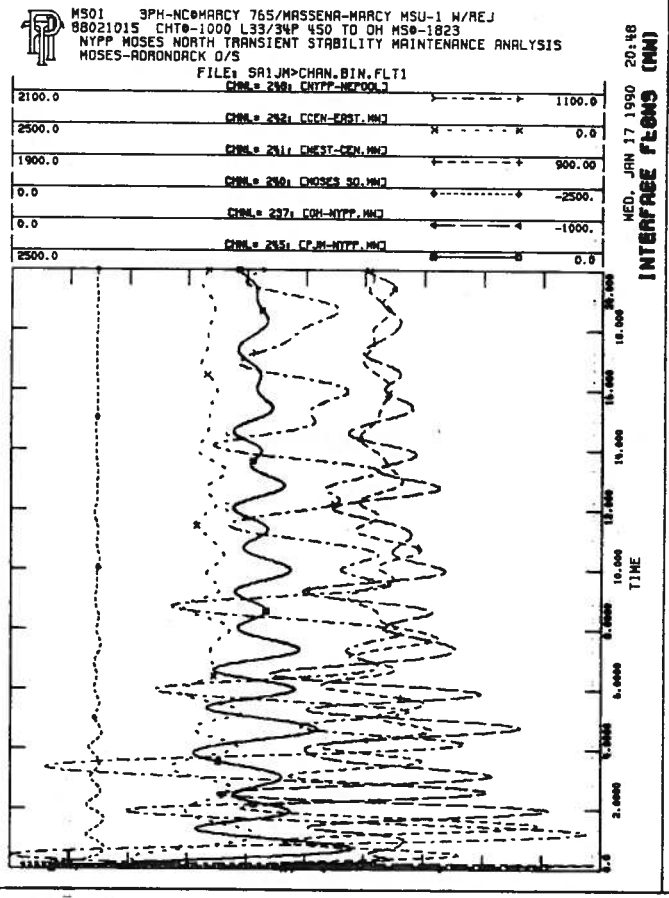
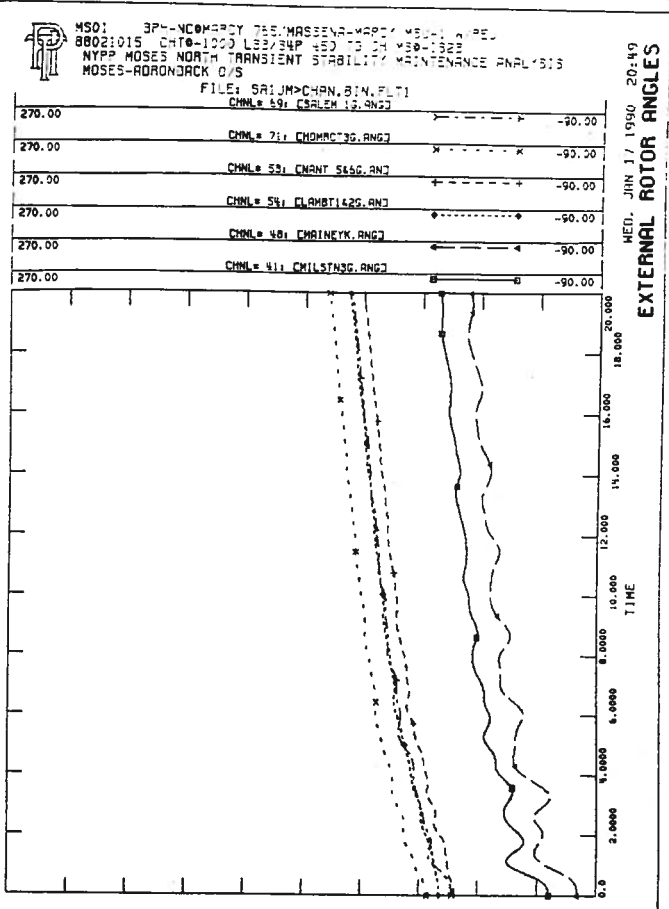
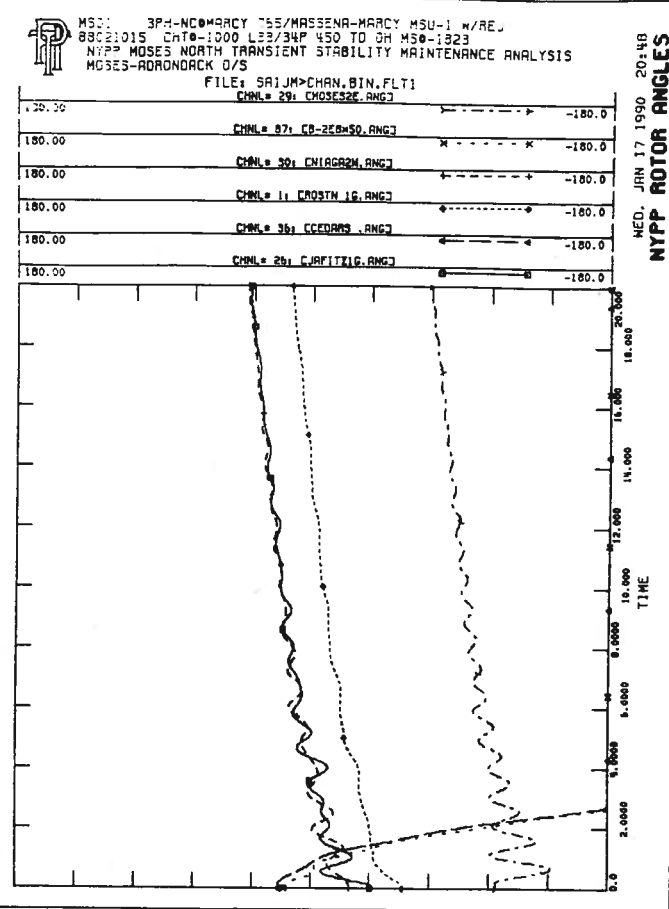
TRANSIENT STABILITY CASE PLOTS

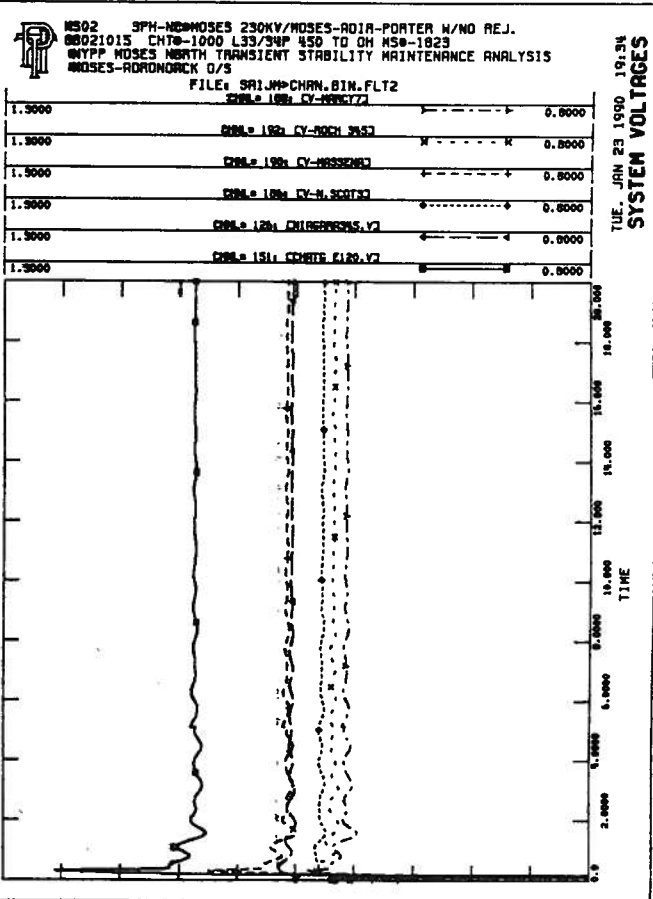
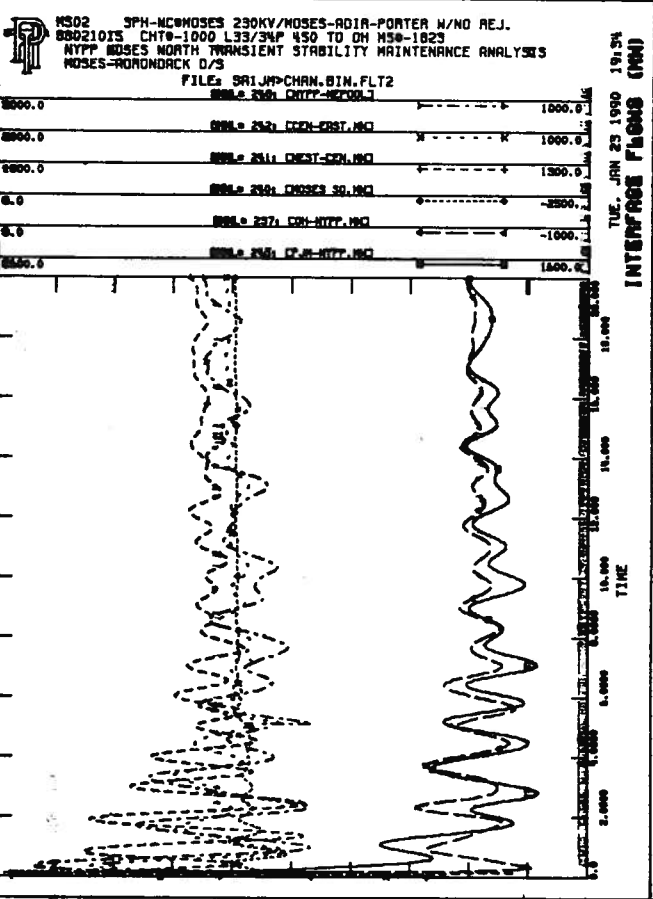
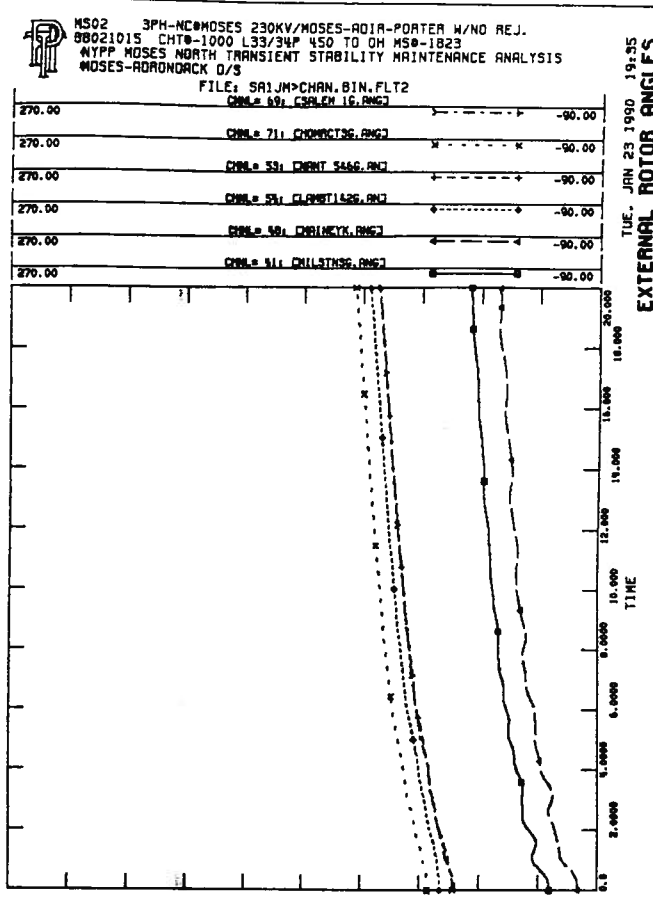
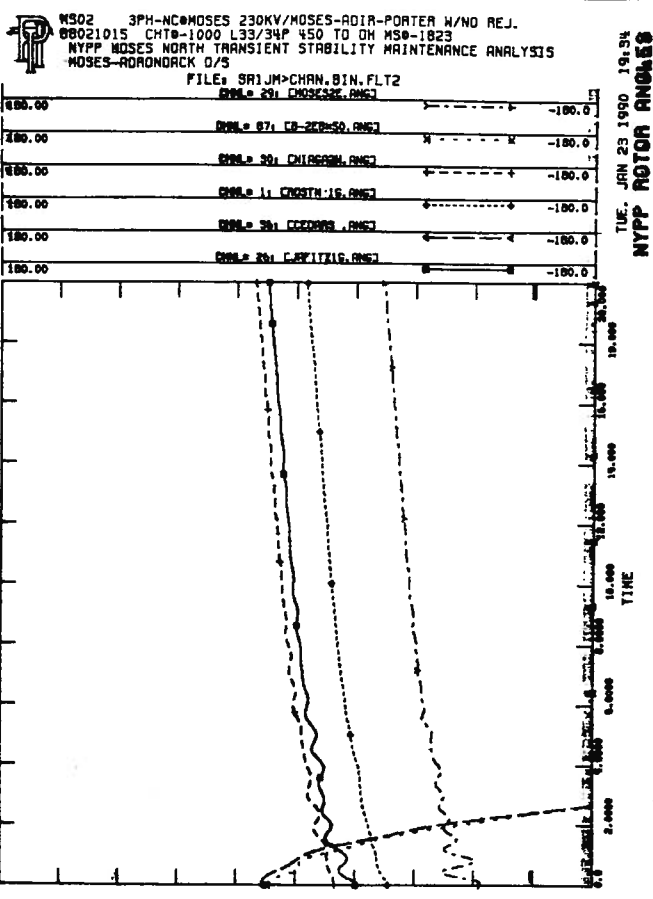
MOSES NORTH TRANSIENT STABILITY STUDY WITH M-A-P O/S

A P P E N D I X C

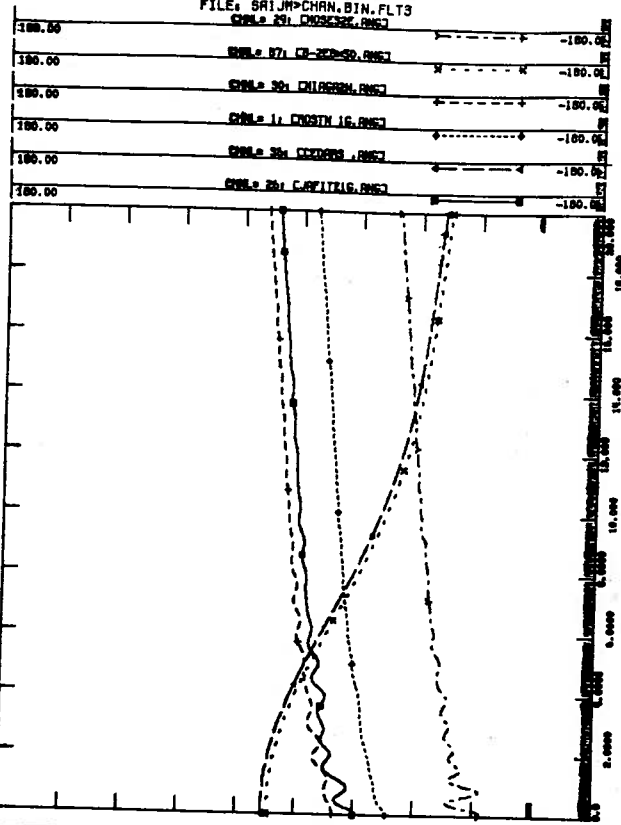
SUMMARY OF TRANSIENT STABILITY CASE RESULTS

FAULT TESTED	M-A-P	STATUS	MOSES NORTH MW	CHAT HVDC MW	L33-34P MW (TO OH)	PLOT PAGE
MS01	ONE	CIRCUIT O/S	1822	-1000	450	1
MS02	ONE	CIRCUIT O/S	1822	-1000	450	2
MS04	ONE	CIRCUIT O/S	1822	-1000	450	3
MS06	ONE	CIRCUIT O/S	1822	-1000	450	4
MS07	ONE	CIRCUIT O/S	1822	-1000	450	5
MS08	ONE	CIRCUIT O/S	1822	-1000	450	6
MS10	ONE	CIRCUIT O/S	1822	-1000	450	7
MS11	ONE	CIRCUIT O/S	1822	-1000	450	8
MS13	ONE	CIRCUIT O/S	1822	-1000	450	9
MS14	ONE	CIRCUIT O/S	1822	-1000	450	10
CE03	ONE	CIRCUIT O/S	1822	-1000	450	11
CE07AR	ONE	CIRCUIT O/S	1822	-1000	450	12
CE10	ONE	CIRCUIT O/S	1822	-1000	450	13
CE23AR	ONE	CIRCUIT O/S	1822	-1000	450	14
TE33	ONE	CIRCUIT O/S	1822	-1000	450	15
OH141	ONE	CIRCUIT O/S	1822	-1000	450	16
MS01	BOTH	CIRCUIT O/S	1800	-1000	450	17
MS04	BOTH	CIRCUIT O/S	1800	-1000	450	18
MS06	BOTH	CIRCUIT O/S	1800	-1000	450	19
MS07	BOTH	CIRCUIT O/S	1800	-1000	450	20
MS10	BOTH	CIRCUIT O/S	1800	-1000	450	21
MS11	BOTH	CIRCUIT O/S	1800	-1000	450	22
MS13	BOTH	CIRCUIT O/S	1800	-1000	450	23
MS14	BOTH	CIRCUIT O/S	1800	-1000	450	24
CE03	BOTH	CIRCUIT O/S	1800	-1000	450	25
CE07AR	BOTH	CIRCUIT O/S	1800	-1000	450	26
CE10	BOTH	CIRCUIT O/S	1800	-1000	450	27
CE23AR	BOTH	CIRCUIT O/S	1800	-1000	450	28
TE33	BOTH	CIRCUIT O/S	1800	-1000	450	29
OH141	BOTH	CIRCUIT O/S	1800	-1000	450	30

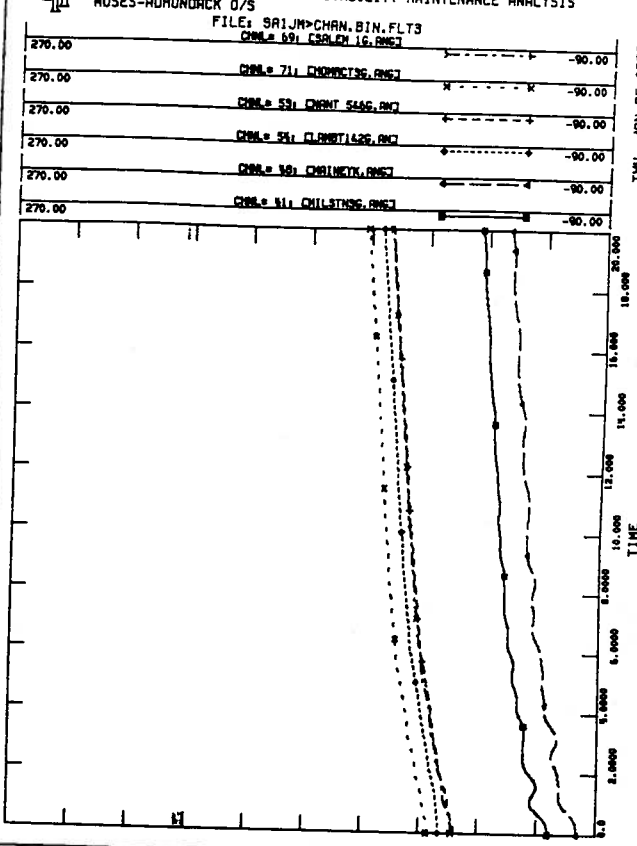




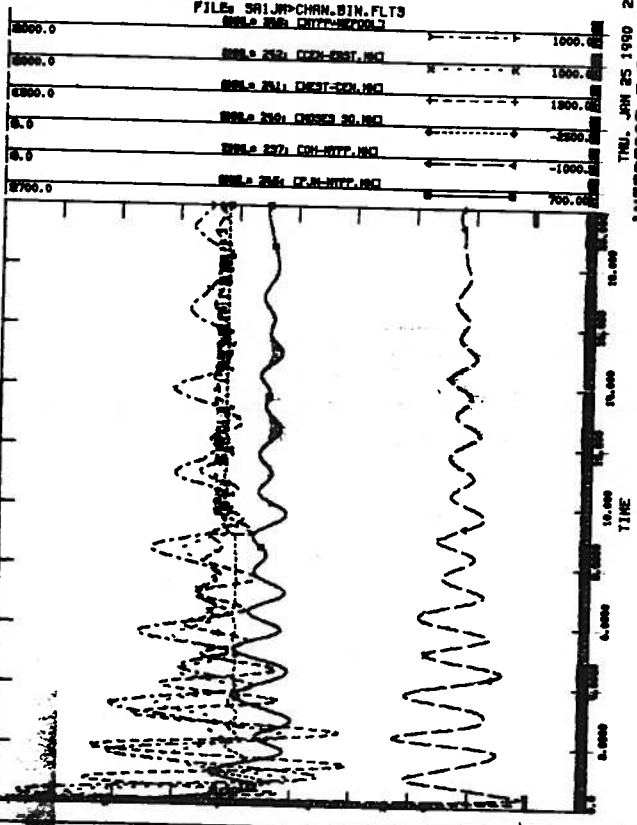
MS04 3PH-NYMOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CMT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S



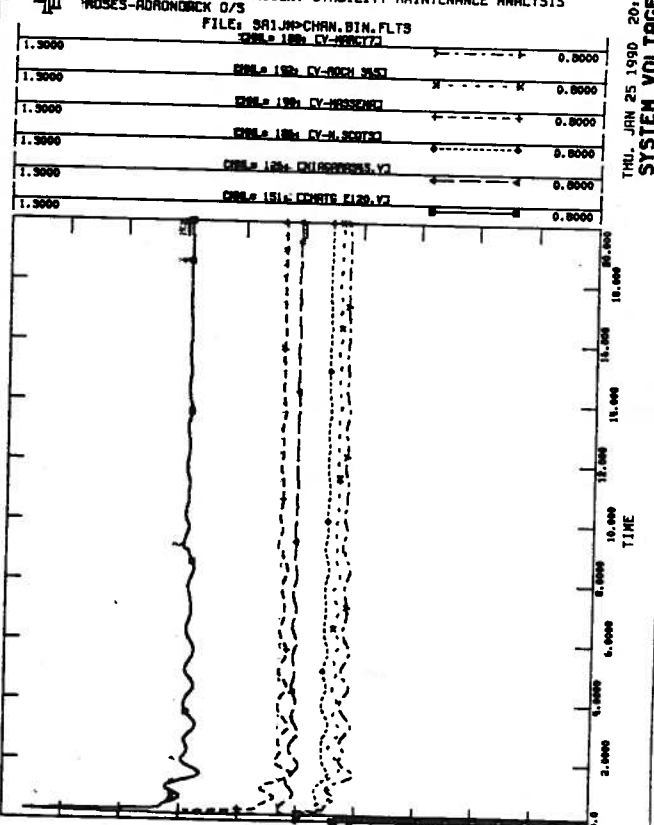
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 88021015 CMT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S



MS04 3PH-NYMOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CMT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

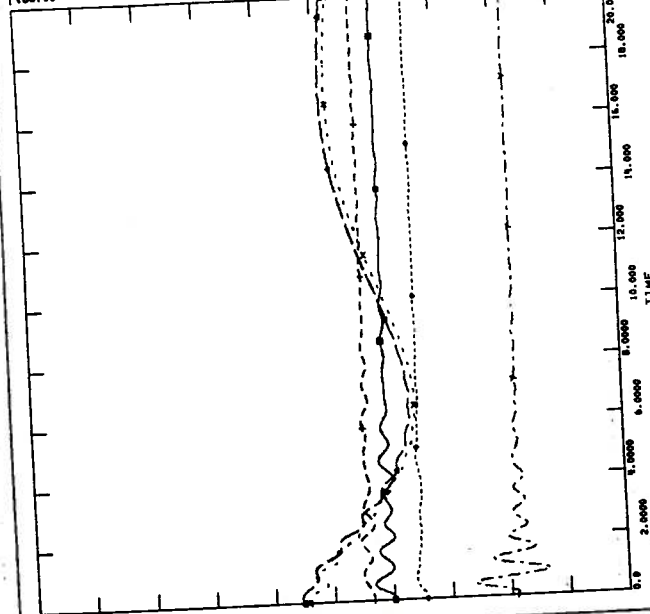


MS04 3PH-NYMOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CMT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S



M506 SLG-STK#MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S
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 CHN# 29: CM05232F.ANG7

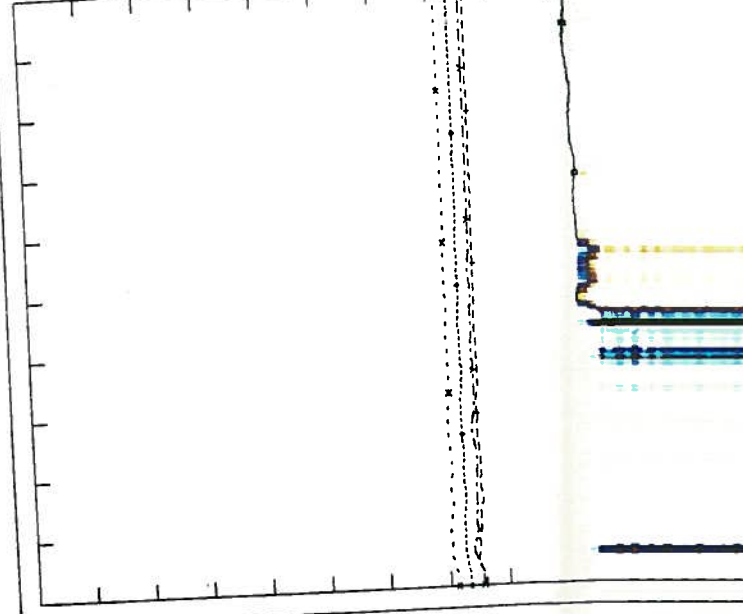
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180.00	CHN# 30: CN18222N.ANG7	-180.0
180.00	CHN# 11: CROSTN 1G.ANG7	-180.0
180.00	CHN# 36: C00000S.ANG7	-180.0
180.00	CHN# 26: C.MPITALG.ANG7	-180.0



THU, JAN 18 1990 00:09
 NYPP ROTOR ANGLES

M506 SLG-STK#MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S
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 CHN# 59: C3ALEM 1G.ANG7

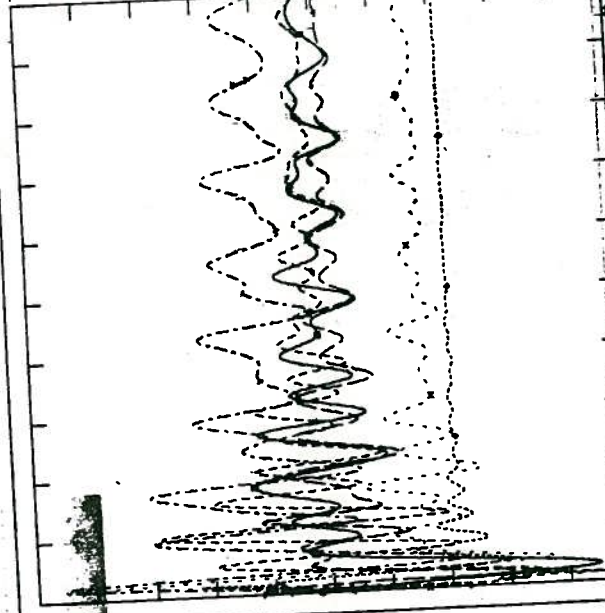
270.00	CHN# 71: CH0ACT3G.ANG7	-90
270.00	CHN# 53: CHANT 546G.ANG7	-90
270.00	CHN# 54: CLAMBT142G.ANG7	-90
270.00	CHN# 48: CHAINEYK.ANG7	-90
270.00	CHN# 41: CMILSTN3G.ANG7	-90



THU, JAN 18 1990 00:09
 NYPP ROTOR ANGLES

M506 SLG-STK#MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S
 FILE: SRIJM>CHAN.BIN.FLT5
 CHN# 238: CHTY#M200G7

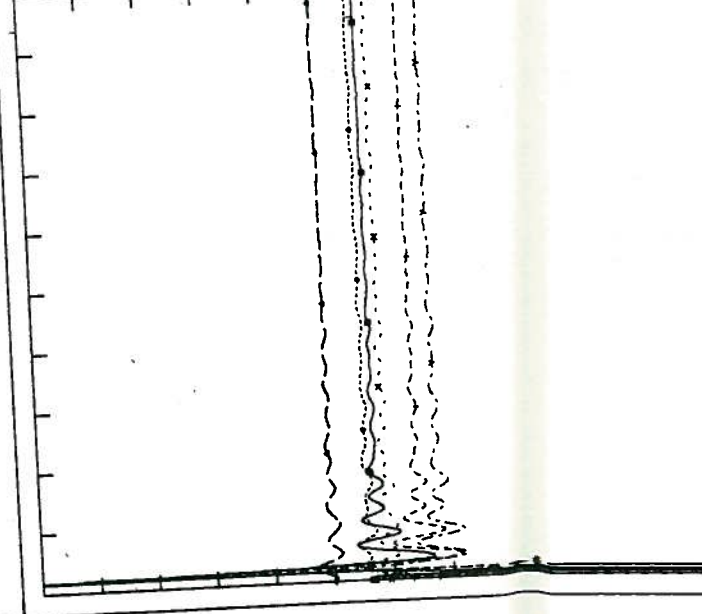
1000.0	CHN# 232: C0CN-C0ST.MG7	1000.0
1000.0	CHN# 231: C0EST-C0N.MG7	1500.0
1000.0	CHN# 230: C0S23 30.MG7	-2500.0
0.0	CHN# 237: C0H-NYPP.MG7	-1000.0
0.0	CHN# 235: C0H-NYPP.MG7	1000.0



THU, JAN 18 1990 00:09
 INTERFACE FECS (MG)

M506 SLG-STK#MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S
 FILE: SRIJM>CHAN.BIN.FLT5
 CHN# 188: CV-M20G772

1.3000	CHN# 184: CV-ROCH 3457	1.3000
1.3000	CHN# 180: CV-MAS20MG7	1.3000
1.3000	CHN# 186: CV-M 500197	1.3000
1.3000	CHN# 126: CN18222N.S.V2	1.3000
1.3000	CHN# 151: C0H1S 1120.V2	1.3000

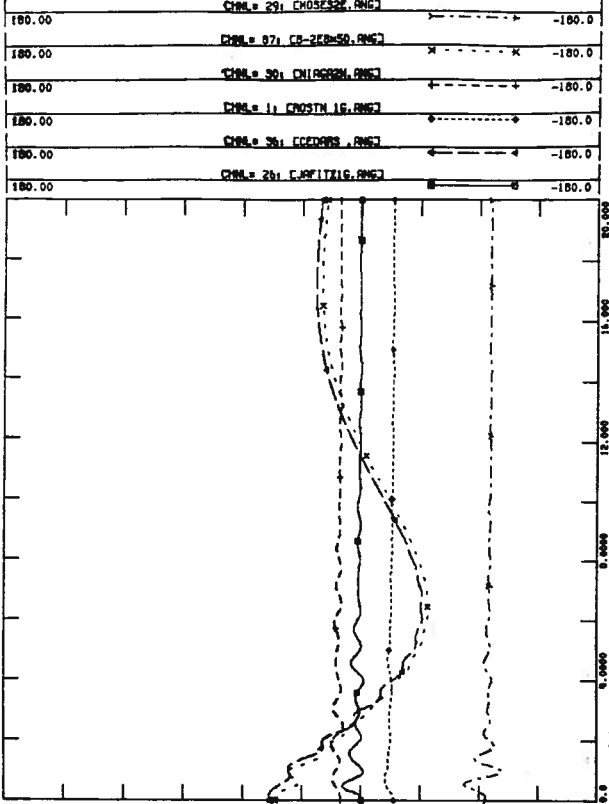


THU, JAN 18 1990 00:09
 INTERFACE FECS (MG)



MS07 SLG-STK0MASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

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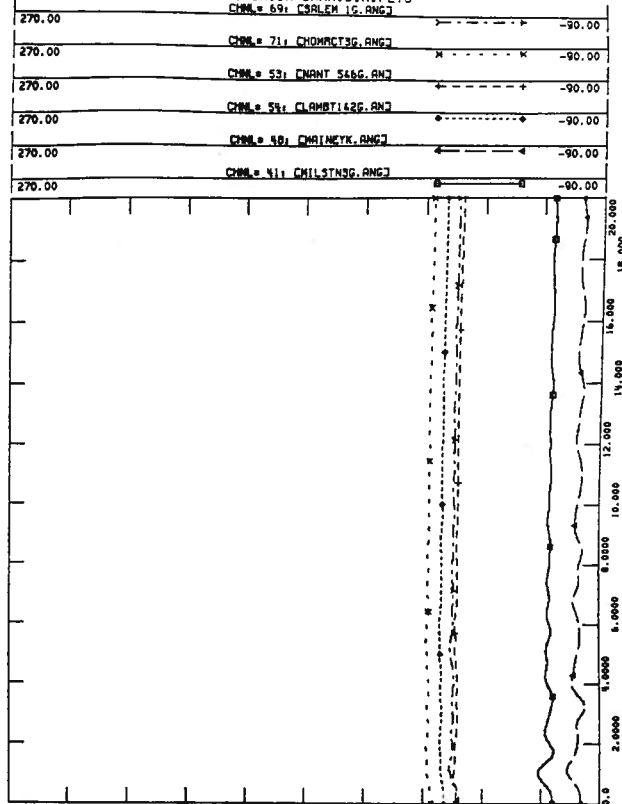


THU, JAN 18, 1990 03:00
 NYPP ROTOR ANGLES



MS07 SLG-STK0MASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

FILE: SRIJM>CHAN.BIN.FLT6
 CHN = 69: CSALEM 1G.ANG

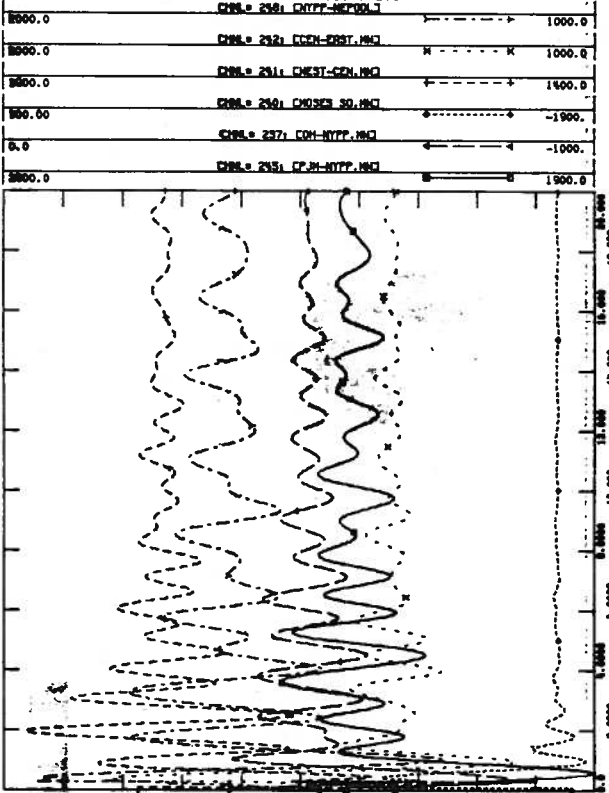


THU, JAN 18, 1990 03:00
 EXTERNAL ROTOR ANGLES



MS07 SLG-STK0MASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

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 CHN = 238: CHT77-MS700.V

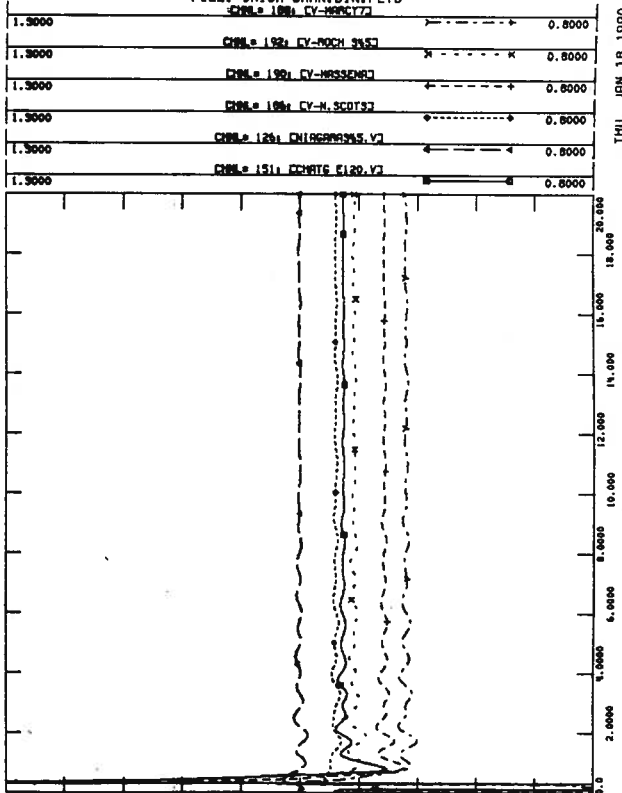


THU, JAN 18, 1990 03:00
 INTERFACE FLOWS (MW)



MS07 SLG-STK0MASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

FILE: SRIJM>CHAN.BIN.FLT6
 CHN = 188: CV-MSCT17.V

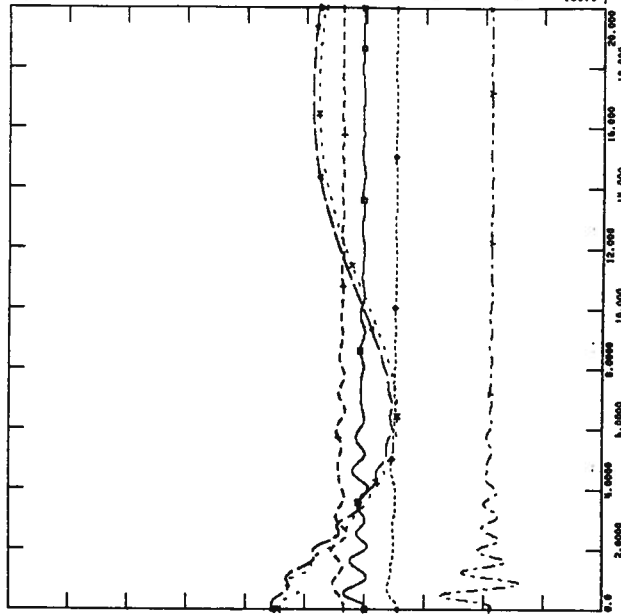


THU, JAN 18, 1990 03:00
 SYSTEM VOLTAGES

MS08 SLG-STK0MOSES /MOSES-ADIR.-PORTER 230 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADIRONDACK O/S

FILE: SAIJM>CHAN.BIN.FLT7
 CHN# 291 CHOSE2E.ANG1

180.00	CHN# 071 CD-2E0-50.ANG1	-180.0
180.00	CHN# 301 CHIRAG2N.ANG1	-180.0
180.00	CHN# 111 CROSTN 1G.ANG1	-180.0
180.00	CHN# 351 CCEODRS .ANG1	-180.0
180.00	CHN# 251 CJPFLT1G.ANG1	-180.0

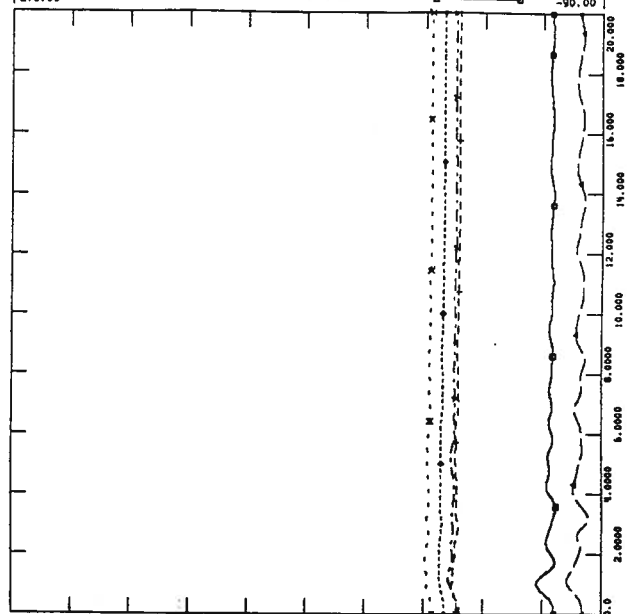


THU, JAN 18 1990 05:33
 NYPP ROTOR ANGLES

MS08 SLG-STK0MOSES /MOSES-ADIR.-PORTER 230 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADIRONDACK O/S

FILE: SAIJM>CHAN.BIN.FLT7
 CHN# 891 CBALEM 1G.ANG1

270.00	CHN# 711 CHORACT3G.ANG1	-90.00
270.00	CHN# 531 CHANT 546G.ANG1	-90.00
270.00	CHN# 541 CLAMBTL62G.ANG1	-90.00
270.00	CHN# 481 CHAINEVK.ANG1	-90.00
270.00	CHN# 411 CHILSTNSG.ANG1	-90.00

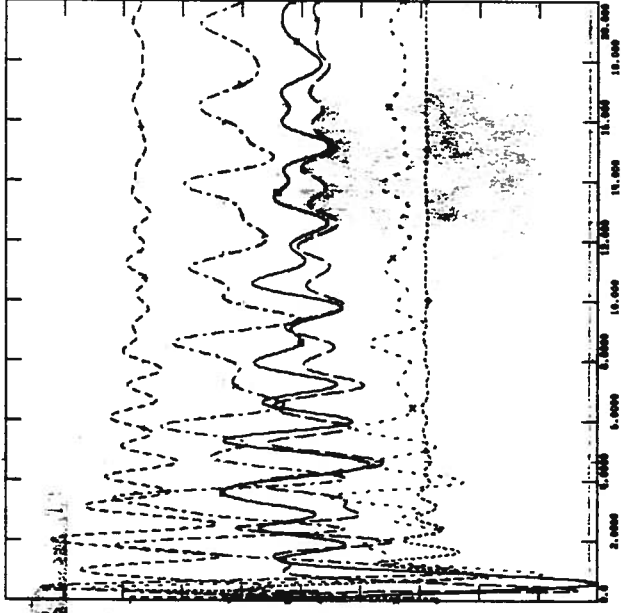


THU, JAN 18 1990 05:33
 EXTERNAL ROTOR ANGLES

MS08 SLG-STK0MOSES /MOSES-ADIR.-PORTER 230 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADIRONDACK O/S

FILE: SAIJM>CHAN.BIN.FLT7
 CHN# 250 CHTP-MP001

1800.0	CHN# 242 CEN-EAST.MCI	1000.0
1800.0	CHN# 241 CHEST-CEN.MCI	1000.0
0.0	CHN# 250 CHOSE 30.MCI	-2500.0
0.0	CHN# 237 CEN-NYPP.MCI	-1000.0
1800.0	CHN# 245 CEN-NYPP.MCI	1800.0

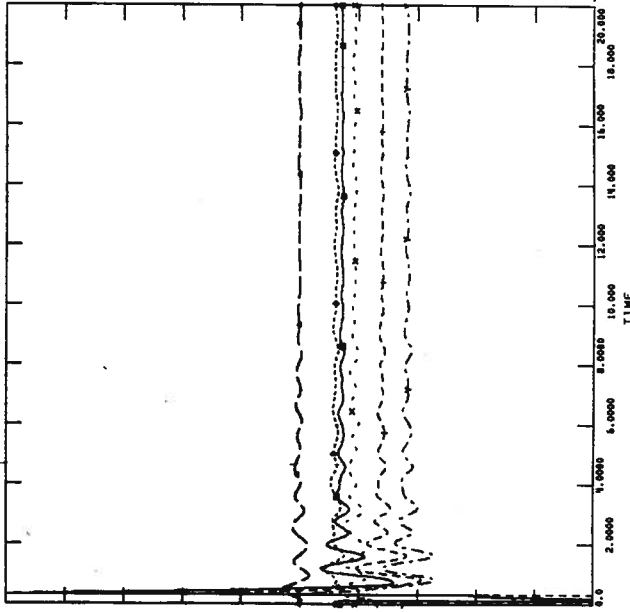


THU, JAN 18 1990 05:33
 INTERFACE FEWS (MW)

MS08 SLG-STK0MOSES /MOSES-ADIR.-PORTER 230 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADIRONDACK O/S

FILE: SAIJM>CHAN.BIN.FLT7
 CHN# 1801 CV-MSC172

1.3000	CHN# 192 CV-ROCK 2N57	0.8000
1.3000	CHN# 190 CV-MASSENA7	0.8000
1.3000	CHN# 1801 CV-N-SCOT37	0.8000
1.3000	CHN# 1201 CHIRAG2N5.7	0.8000
1.3000	CHN# 1511 CHATE 1120.V7	0.8000

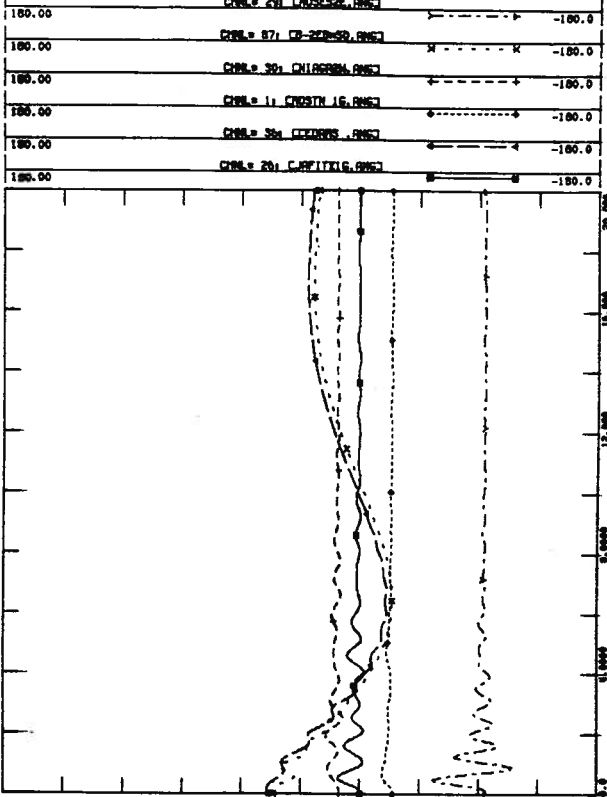


THU, JAN 18 1990 05:33
 SYSTEM VOLTAGES



MS10 SLG-STKMOSES /MOSES-WILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/5

FILE: SRIJM>CHAN.BIN.FLT9
 CABLE 29: CROSEZK.ANG

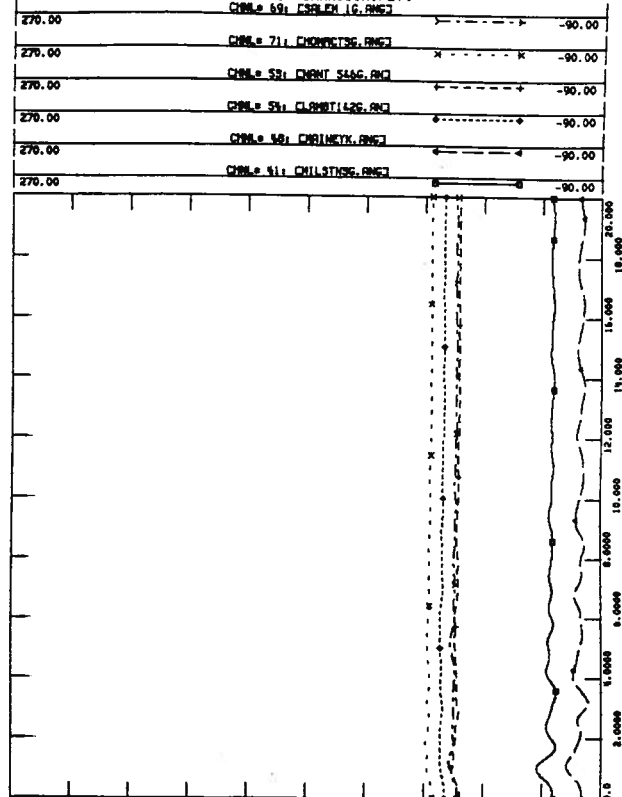


THU, JAN 18 1990 08:53
 NYPP ROTOR ANGLES



MS10 SLG-STKMOSES /MOSES-WILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/5

FILE: SRIJM>CHAN.BIN.FLT9
 CABLE 69: CS94K16.ANG

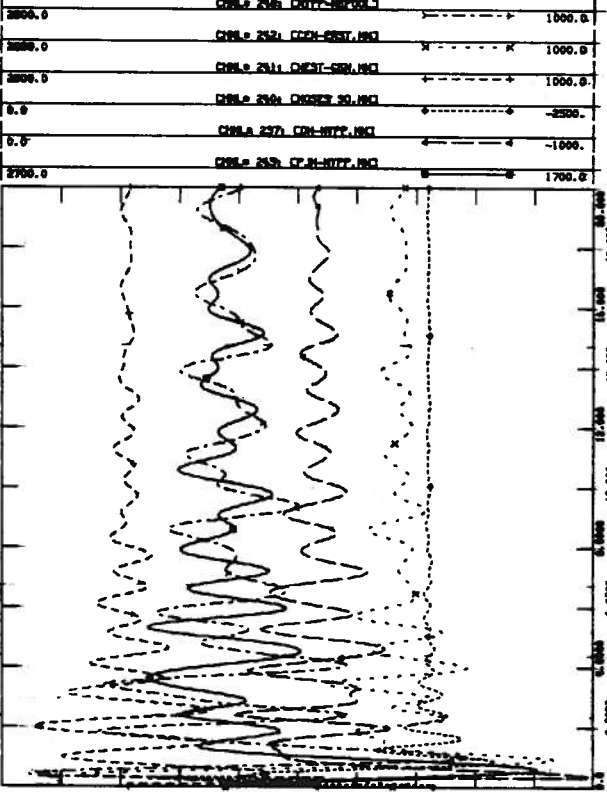


THU, JAN 18 1990 08:53
 EXTERNAL ROTOR ANGLES



MS10 SLG-STKMOSES /MOSES-WILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/5

FILE: SRIJM>CHAN.BIN.FLT9
 CABLE 248: CHT7-1800L1

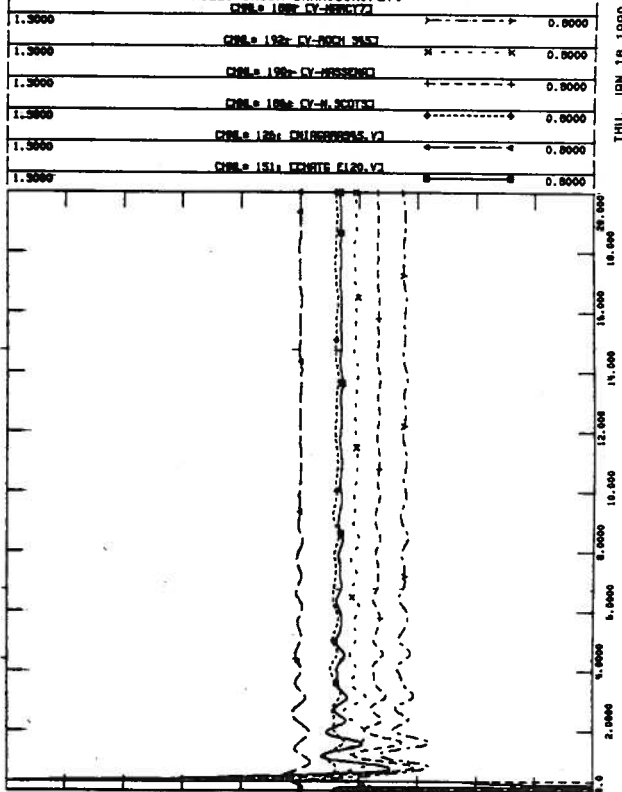


THU, JAN 18 1990 08:53
 INTERFACE FLANG (MM)



MS10 SLG-STKMOSES /MOSES-WILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/5

FILE: SRIJM>CHAN.BIN.FLT9
 CABLE 188: CV-1800L1



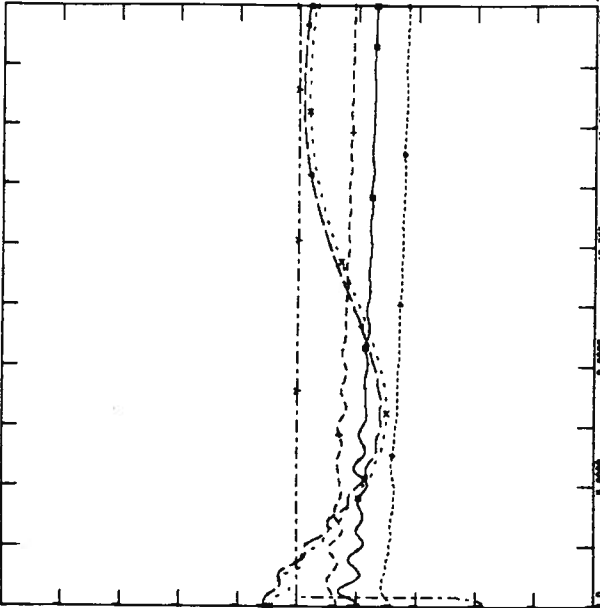
THU, JAN 18 1990 08:53
 SYSTEM VOLTAGES



MS11 SLG-STK0MOSES 230/MASSENA-MOSES 230#MMS-1 W/BREJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT10

180.00	CHL= 29: CHOSE22.RMG	-180.0
180.00	CHL= 87: CB-220-50.RMG	-180.0
180.00	CHL= 30: CHIRACON.RMG	-180.0
180.00	CHL= 1: CROSTN 16.RMG	-180.0
180.00	CHL= 36: CRODAS 1.RMG	-180.0
180.00	CHL= 26: CJOFL16.RMG	-180.0



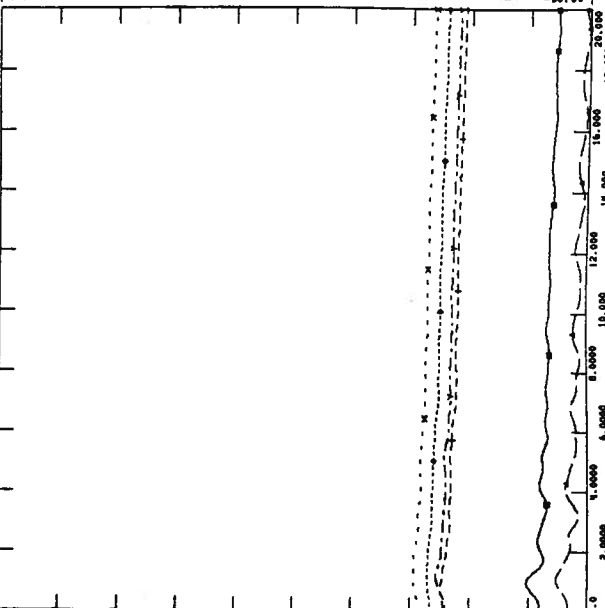
THU, JAN 18 1990 14:14
 NYPP ROTOR ANGLES



MS11 SLG-STK0MOSES 230/MASSENA-MOSES 230#MMS-1 W/BREJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT10

270.00	CHL= 69: CBAEN 16.RMG	-90.00
270.00	CHL= 71: CHMCT36.RMG	-90.00
270.00	CHL= 53: CHMNT 5466.RMG	-90.00
270.00	CHL= 54: CLMST1426.RMG	-90.00
270.00	CHL= 58: CHMNETK.RMG	-90.00
270.00	CHL= 51: CHLSTN36.RMG	-90.00



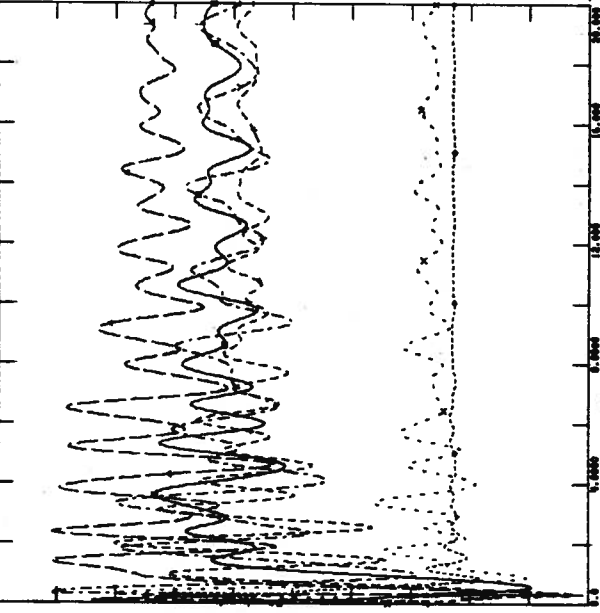
THU, JAN 18 1990 14:14
 EXTERNAL ROTOR ANGLES



MS11 SLG-STK0MOSES 230/MASSENA-MOSES 230#MMS-1 W/BREJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT10

2000.0	CHL= 250: CHTT-NEP003	1000.0
2000.0	CHL= 252: COCH-EAST.RMG	1000.0
2000.0	CHL= 251: CHEST-CEN.RMG	1500.0
0.0	CHL= 250: CHOSE 30.RMG	-2500.0
-800.0	CHL= 257: COH-NYPP.RMG	-800.0
2000.0	CHL= 255: CP-N-NYPP.RMG	1600.0



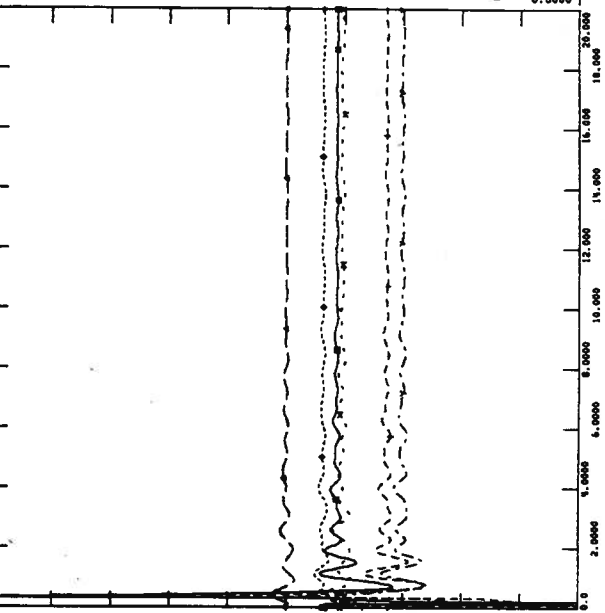
THU, JAN 18 1990 14:13
 INTERFACE FLOWS (MW)



MS11 SLG-STK0MOSES 230/MASSENA-MOSES 230#MMS-1 W/BREJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT10

1.5000	CHL= 188: CV-NAC173	0.8000
1.5000	CHL= 189: CV-ROCH 3453	0.8000
1.5000	CHL= 190: CV-MASSENB0	0.8000
1.5000	CHL= 186: CV-N-300133	0.8000
1.5000	CHL= 185: CHIRACON345.V2	0.8000
1.5000	CHL= 151: CHMNT 5120.V2	0.8000



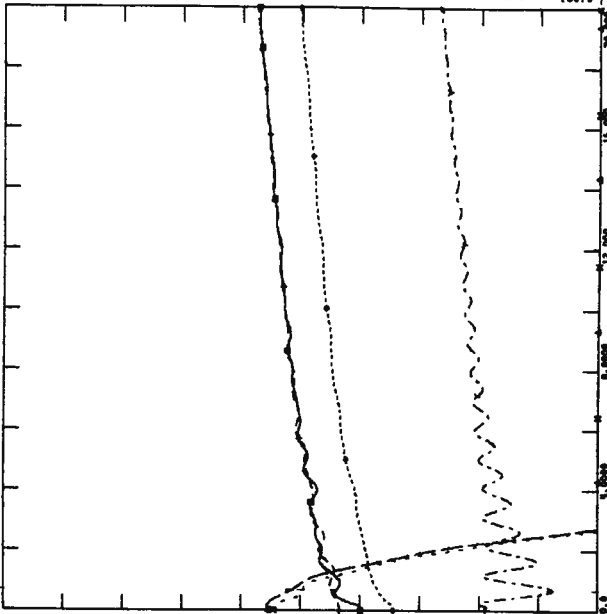
THU, JAN 18 1990 14:14
 SYSTEM VOLTAGES



MS13 LLG@MOSES /MOSES-MASSENA 230
 88021015 CHT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT12

100.00	CHNL= 291 CROSESGE.AMG	-180.0
180.00	CHNL= 871 CR-ZEUSO.AMG	-180.0
180.00	CHNL= 301 CHIGARRN.AMG	-180.0
180.00	CHNL= 11 CROSTN 16.AMG	-180.0
180.00	CHNL= 301 CEDDARS.AMG	-180.0
180.00	CHNL= 261 CARLITZ16.AMG	-180.0



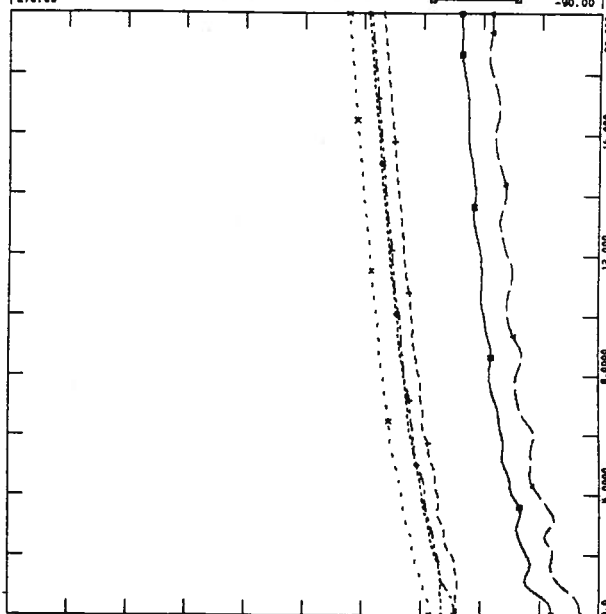
THU, JAN 18 1990 18:45
 NYPP ROTOR ANGLES



MS13 LLG@MOSES /MOSES-MASSENA 230
 88021015 CHT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT12

270.00	CHNL= 891 CARLER 16.AMG	-90.00
270.00	CHNL= 711 CHONACT36.AMG	-90.00
270.00	CHNL= 531 CHANT 5456.AMG	-90.00
270.00	CHNL= 541 CLAMT1426.AMG	-90.00
270.00	CHNL= 481 CHAINEXK.AMG	-90.00
270.00	CHNL= 411 CHILSTNG.AMG	-90.00



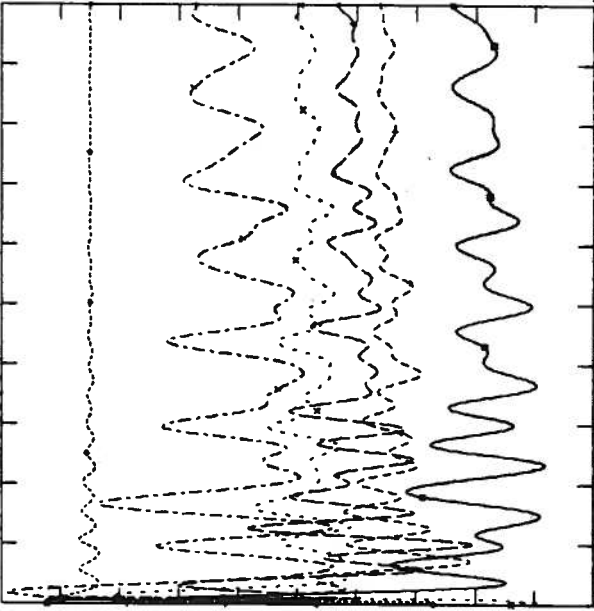
THU, JAN 18 1990 18:45
 EXTERNAL ROTOR ANGLES



MS13 LLG@MOSES /MOSES-MASSENA 230
 88021015 CHT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT12

8000.0	CHNL= 2081 CHT7-18700.V	1000.0
8200.0	CHNL= 2321 CEN-CST.HQ	1200.0
8400.0	CHNL= 2311 CHEST-CEN.HQ	1000.0
8.0	CHNL= 2301 CROSESGE 30.HQ	-2500.0
8.0	CHNL= 2371 CEN-NYPP.HQ	-1000.0
8400.0	CHNL= 2351 CEN-NYPP.HQ	1500.0



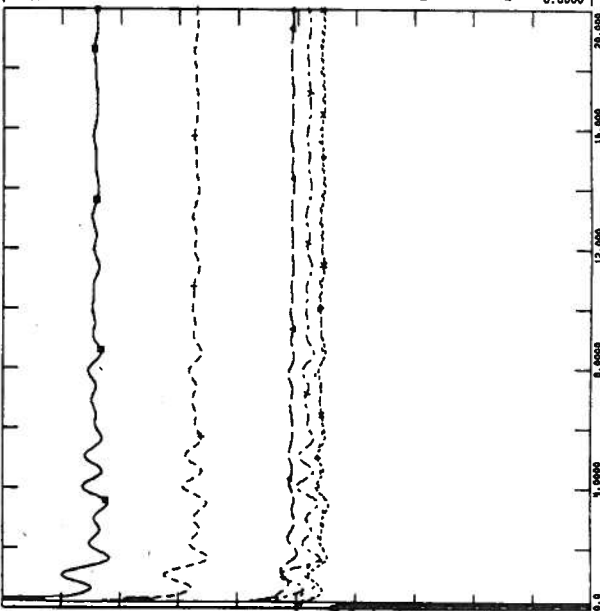
THU, JAN 18 1990 18:45
 INTERFACE FLOWS (MW)



MS13 LLG@MOSES /MOSES-MASSENA 230
 88021015 CHT8-1000 L33/34P 450 TO OH MS8-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT12

1.3000	CHNL= 1881 CY-MASC172	0.8000
1.3000	CHNL= 1921 CY-ROCK 26.V	0.8000
1.3000	CHNL= 1901 CY-MASSENA.V	0.8000
1.3000	CHNL= 1861 CY-4 SCOT30	0.8000
1.3000	CHNL= 1261 CHIGARRNS15.V2	0.8000
1.3000	CHNL= 1511 CONATE 1120.V2	0.8000

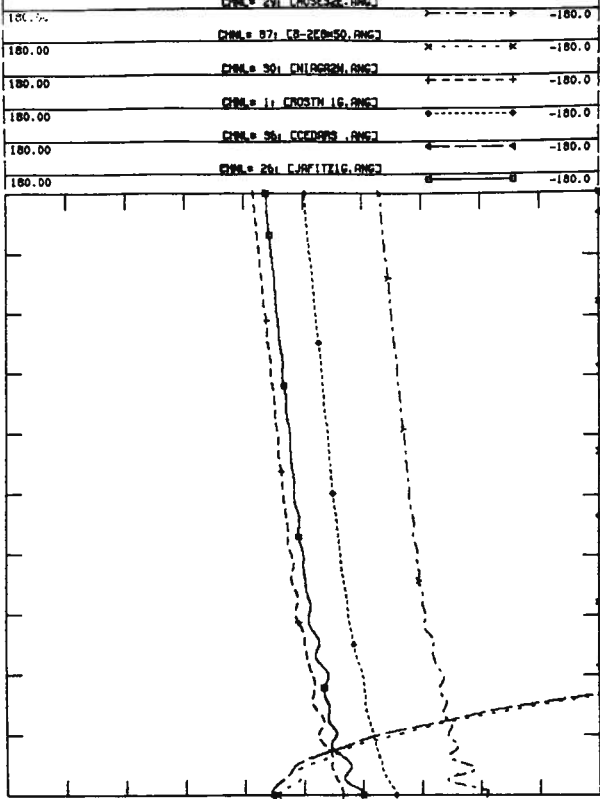


THU, JAN 18 1990 18:45
 SYSTEM VOLTAGES



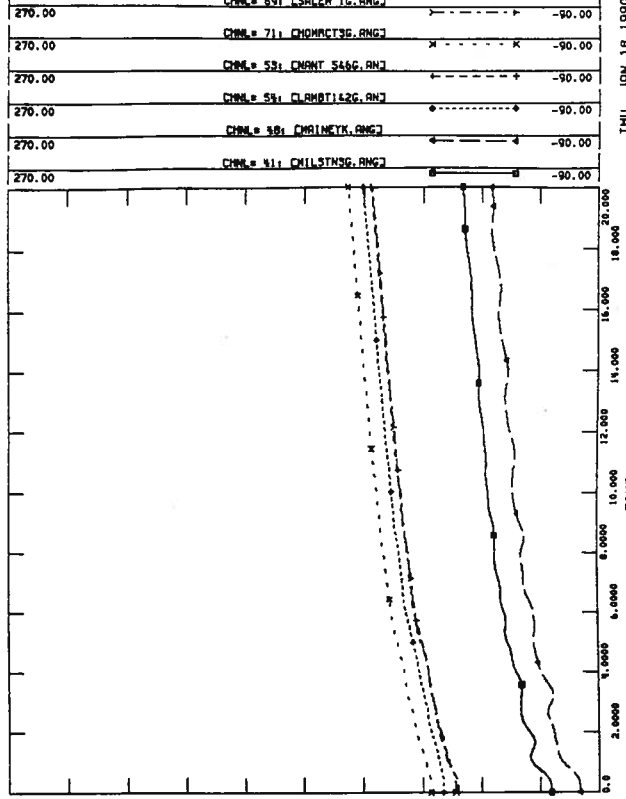
MS14 3PH-NC@CHATEAUGUY 765KV/CHATEAUGUY-MASSENA MSC-704
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SAIJH>CHAN.BIN.FLT13



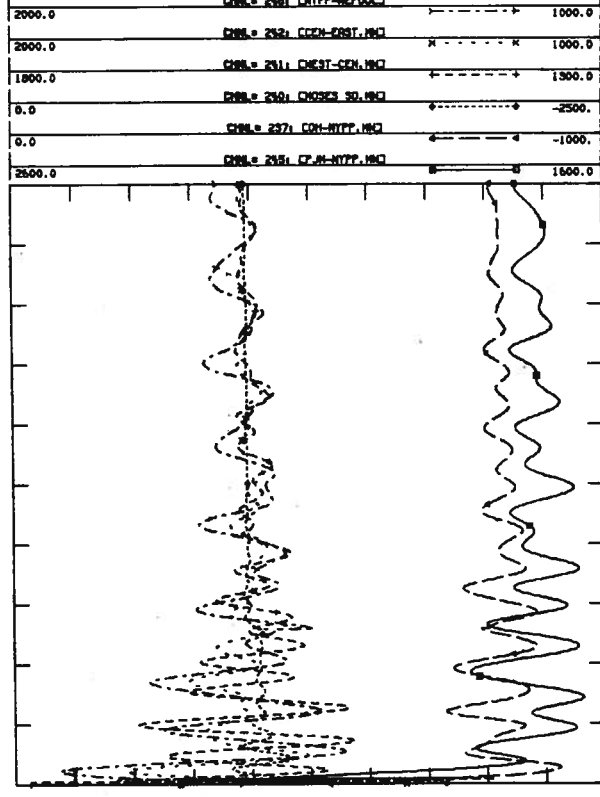
MS14 3PH-NC@CHATEAUGUY 765KV/CHATEAUGUY-MASSENA MSC-704
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SAIJH>CHAN.BIN.FLT13



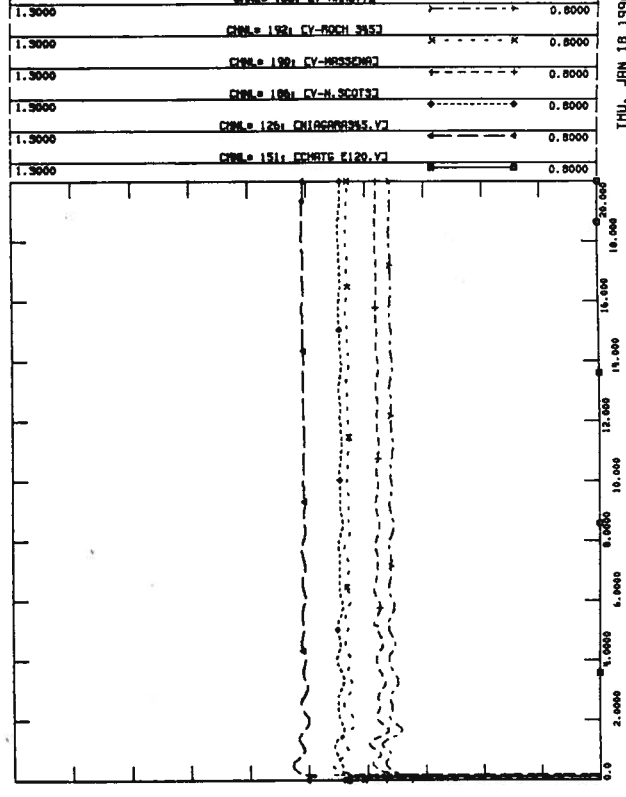
MS14 3PH-NC@CHATEAUGUY 765KV/CHATEAUGUY-MASSENA MSC-704
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SAIJH>CHAN.BIN.FLT13



MS14 3PH-NC@CHATEAUGUY 765KV/CHATEAUGUY-MASSENA MSC-704
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

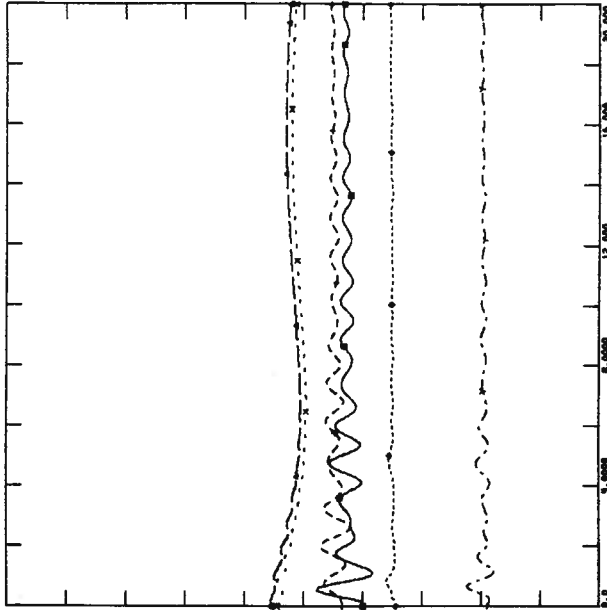
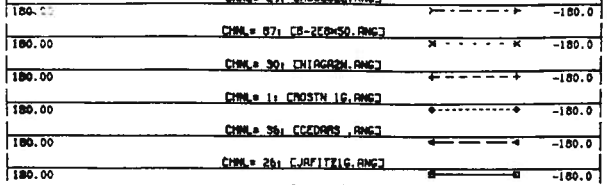
FILE: SAIJH>CHAN.BIN.FLT13





CE03 SLG/STK0EDIC345/EDIC-N.SCOT=14;BKUP CLAFITZ345
 88021015 CMT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT14
 CHN# 29: CHOSE32Z.ANG

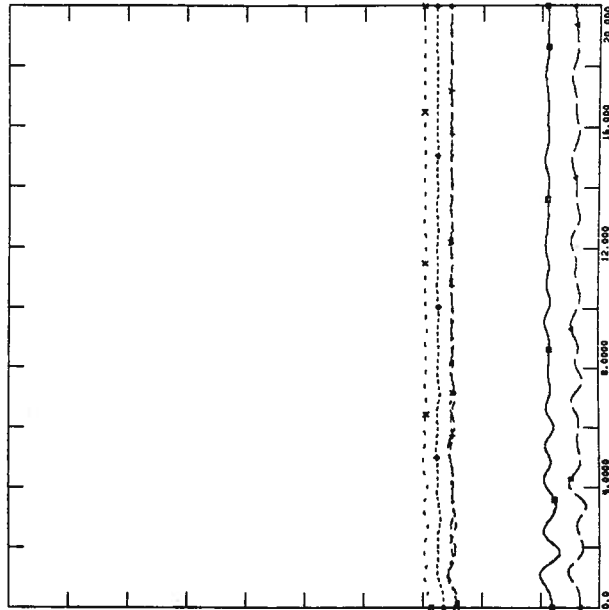
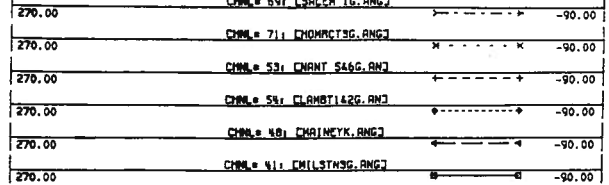


FRI, JAN 19 1990 01:30
 NYPP ROTOR ANGLES



CE03 SLG/STK0EDIC345/EDIC-N.SCOT=14;BKUP CLAFITZ345
 88021015 CMT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT14
 CHN# 69: C3ALEN1G.ANG

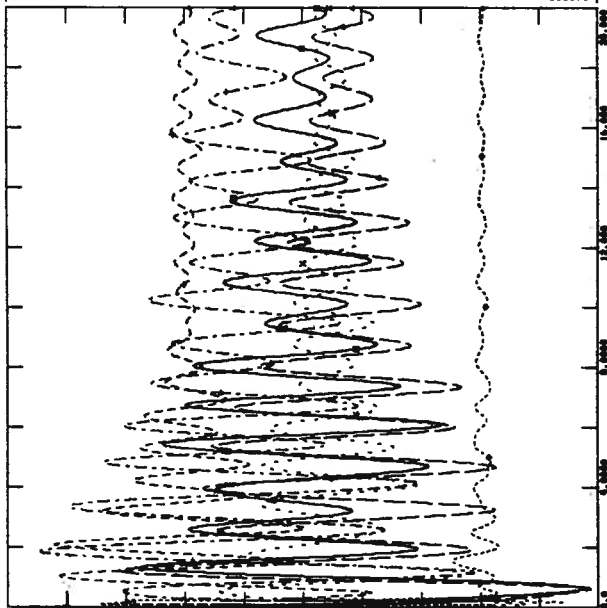
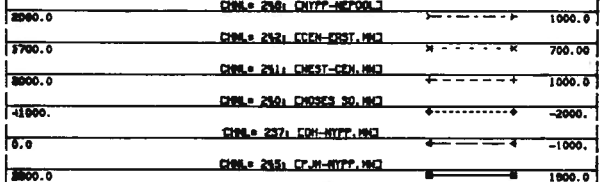


FRI, JAN 19 1990 01:30
 EXTERNAL ROTOR ANGLES



CE03 SLG/STK0EDIC345/EDIC-N.SCOT=14;BKUP CLAFITZ345
 88021015 CMT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT14
 CHN# 238: CH1PP-NE700L

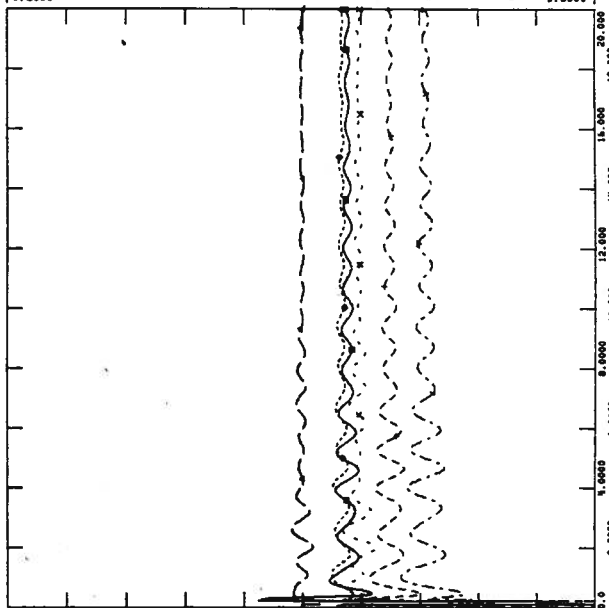
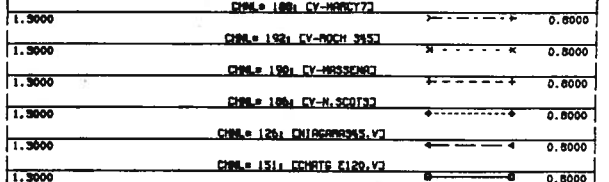


FRI, JAN 19 1990 01:30
 INTERFACE FLOWS (MW)



CE03 SLG/STK0EDIC345/EDIC-N.SCOT=14;BKUP CLAFITZ345
 88021015 CMT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT14
 CHN# 188: CV-N06772

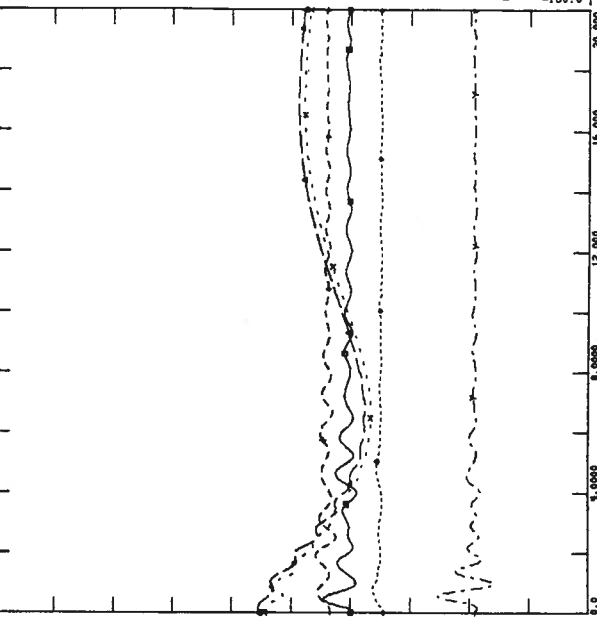


FRI, JAN 19 1990 01:30
 SYSTEM VOLTAGES

CE07AR LLG0MARCY/EDIC:MARCY-COOPERS/EDIC-FRASER W/O RCL0ED1
 88021015 CMT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT15

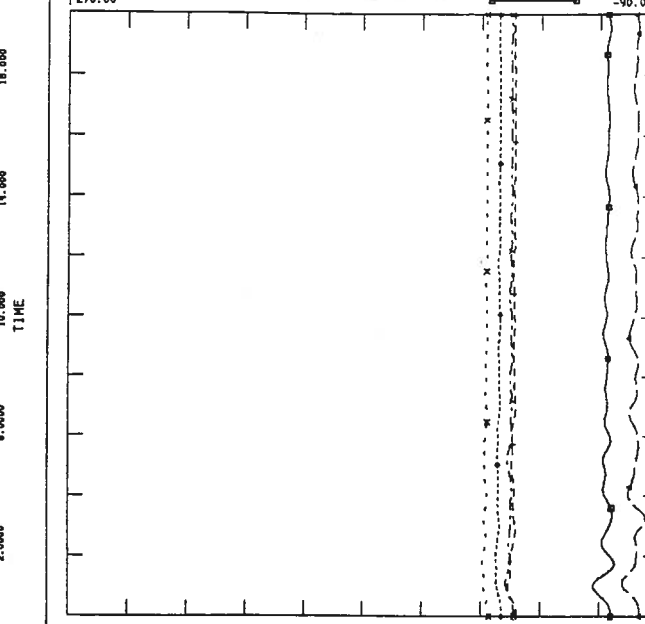
180.00	CHN# 29: CM05S2E.ANG	-180.0
180.00	CHN# 87: CB-2E8*50.ANG	-180.0
180.00	CHN# 30: CHIRAG2M.ANG	-180.0
180.00	CHN# 11: CROSTN 1G.ANG	-180.0
180.00	CHN# 36: CCE0AS.ANG	-180.0
180.00	CHN# 26: CJAFIT1G.ANG	-180.0



CE07AR LLG0MARCY/EDIC:MARCY-COOPERS/EDIC-FRASER W/O RCL0ED1
 88021015 CMT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT15

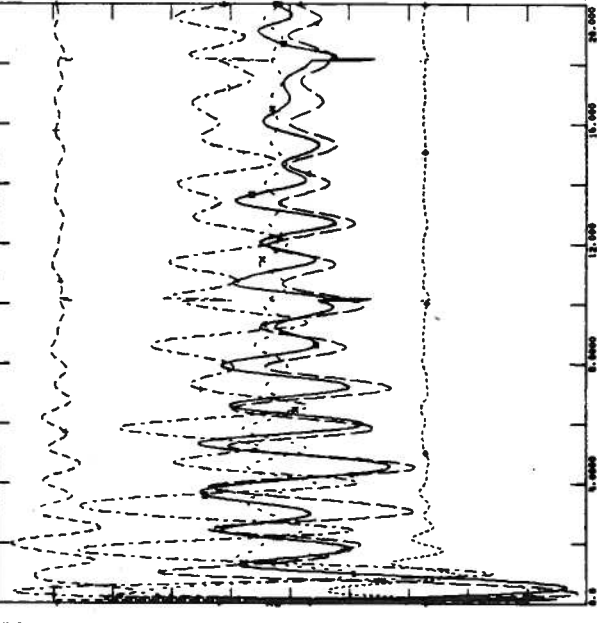
270.00	CHN# 69: CSALEN 1G.ANG	-90.00
270.00	CHN# 71: CHORACT3G.ANG	-90.00
270.00	CHN# 53: CHANT 546G.ANG	-90.00
270.00	CHN# 54: CLAMBT142S.ANG	-90.00
270.00	CHN# 48: CHAINEYK.ANG	-90.00
270.00	CHN# 41: CHILSTN3G.ANG	-90.00



CE07AR LLG0MARCY/EDIC:MARCY-COOPERS/EDIC-FRASER W/O RCL0ED1
 88021015 CMT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT15

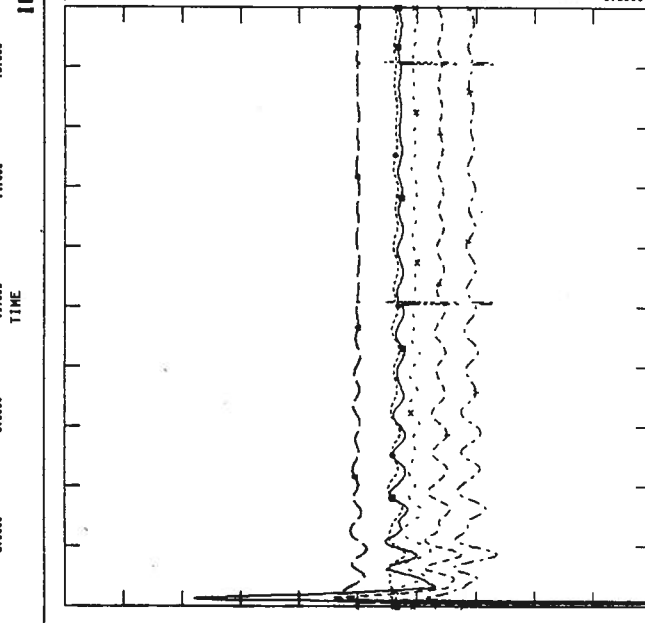
2000.0	CHN# 238: CHYPP-NEPOOL1	1000.0
2000.0	CHN# 232: CCE0-EAST.MW	0.0
2000.0	CHN# 231: CHEST-CEN.MW	0.0
0.0	CHN# 230: CM05S 30.MW	-2500.0
0.0	CHN# 237: CON-NYPP.MW	-1000.0
2000.0	CHN# 235: CPJM-NYPP.MW	1800.0



CE07AR LLG0MARCY/EDIC:MARCY-COOPERS/EDIC-FRASER W/O RCL0ED1
 88021015 CMT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT15

1.3000	CHN# 188: CV-HBRC173	0.8000
1.3000	CHN# 192: CV-ROCK 3453	0.8000
1.3000	CHN# 190: CV-HASSENA3	0.8000
1.3000	CHN# 186: CV-N_30T333	0.8000
1.3000	CHN# 126: CHIRAGAS345.V3	0.8000
1.3000	CHN# 151: CHATG E120.V3	0.8000



FRI, JAN 19 1990 04:10
 NYPP ROTOR ANGLES

FRI, JAN 19 1990 04:10
 EXTERNAL ROTOR ANGLES

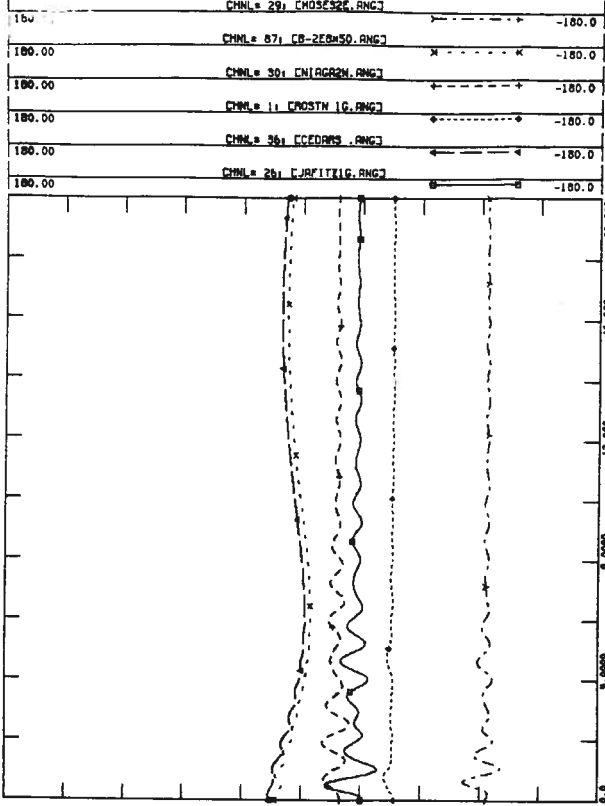
FRI, JAN 19 1990 04:10
 INTERFACE FLOWS (MW)

FRI, JAN 19 1990 04:10
 SYSTEM VOLTAGES



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO DH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT16

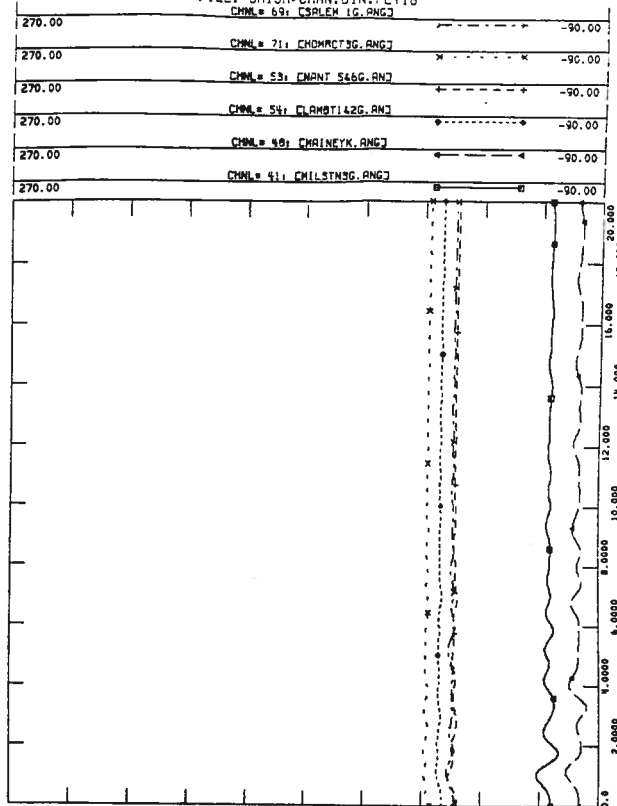


FRI, JAN 19 1990 06:17
 NYPP ROTOR ANGLES



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO DH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT16

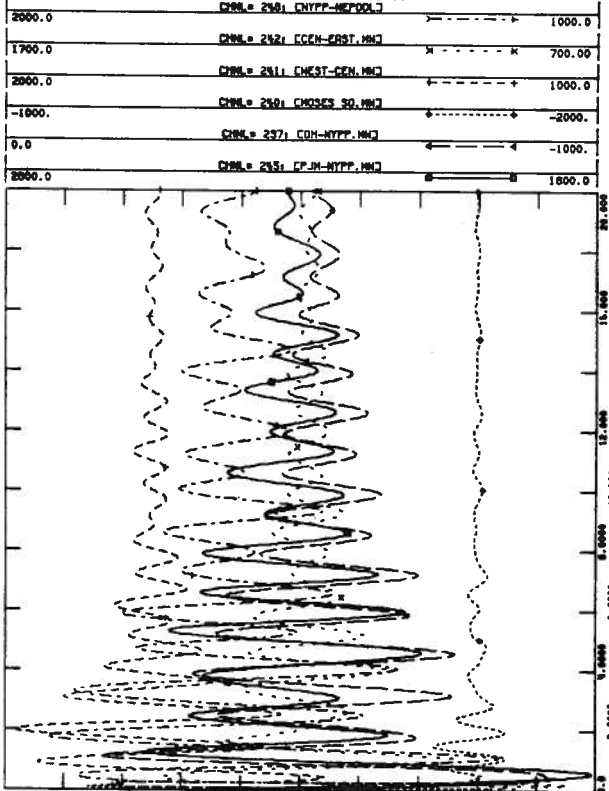


FRI, JAN 19 1990 06:17
 EXTERNAL ROTOR ANGLES



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO DH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT16

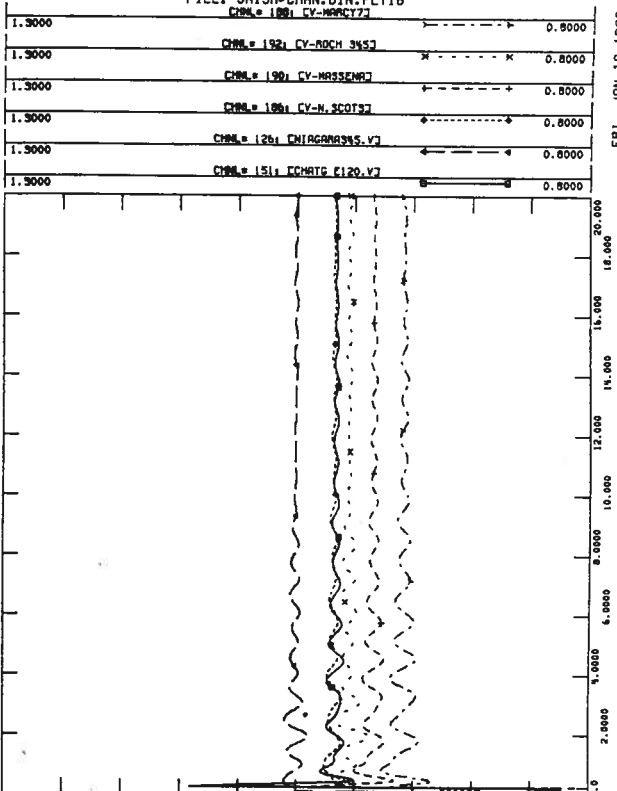


FRI, JAN 19 1990 06:17
 INTERFACE FLOWS (MW)



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO DH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT16



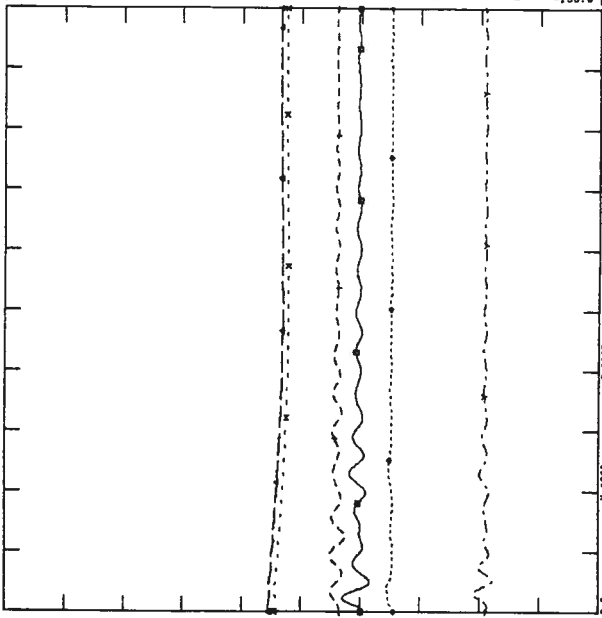
FRI, JAN 19 1990 06:17
 SYSTEM VOLTAGES



CE23RA LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT17
 CHNL = 29: CMOSE32E.ANG

180.00	CHNL = 29: CMOSE32E.ANG	-180.0
180.00	CHNL = 97: CB-2E@50.ANG	-180.0
180.00	CHNL = 30: CNTRAG2M.ANG	-180.0
180.00	CHNL = 1: CROSTM 1G.ANG	-180.0
180.00	CHNL = 36: CCEDRS .ANG	-180.0
180.00	CHNL = 26: C/AFITZ1G.ANG	-180.0



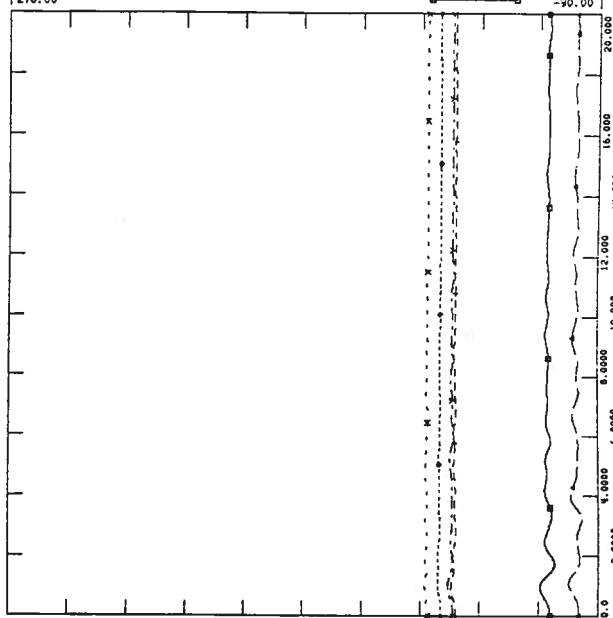
FRI, JAN 19 1990 09:18
 NYPP ROTOR ANGLES



CE23RA LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT17
 CHNL = 69: CSALEM 1G.ANG

270.00	CHNL = 69: CSALEM 1G.ANG	-90.00
270.00	CHNL = 71: CHOMACT3G.ANG	-90.00
270.00	CHNL = 53: CHART 546G.ANG	-90.00
270.00	CHNL = 54: CLDMAT142G.ANG	-90.00
270.00	CHNL = 48: CMANEXK.ANG	-90.00
270.00	CHNL = 41: CM1STN3G.ANG	-90.00



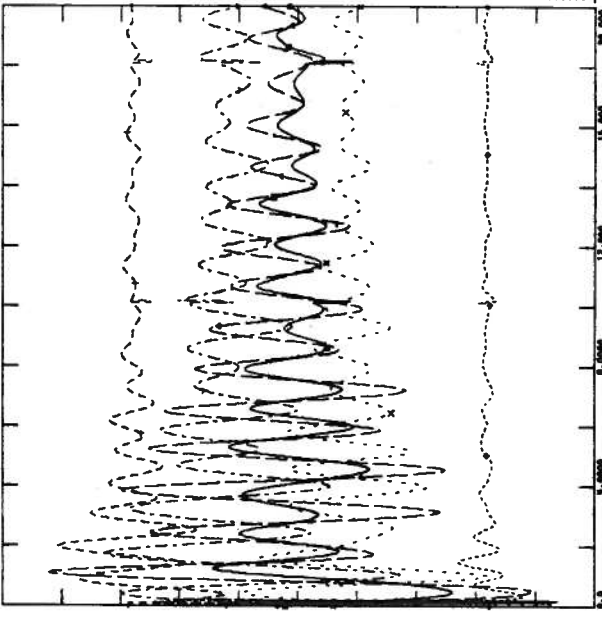
FRI, JAN 19 1990 09:19
 EXTERNAL ROTOR ANGLES



CE23RA LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT17
 CHNL = 238: CNTPP-MEPOOL

2000.0	CHNL = 238: CNTPP-MEPOOL	1000.0
1000.0	CHNL = 232: CCFN-ERST.MW	900.00
2000.0	CHNL = 231: CHEST-CFN.MW	1000.0
-1000.0	CHNL = 230: CMOSE30.MW	-2000.0
-800.0	CHNL = 237: CON-NYPP.MW	-800.0
2000.0	CHNL = 235: CP,M-NYPP.MW	1000.0



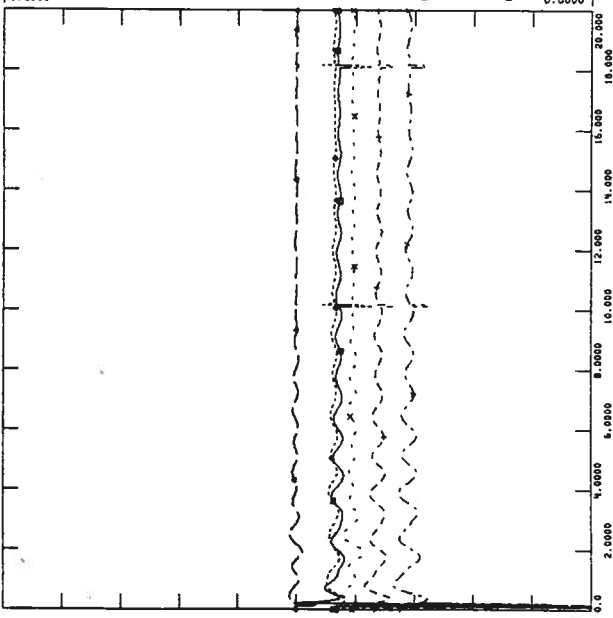
FRI, JAN 19 1990 09:18
 INTERFACE FLOWS (MW)



CE23RA LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SRIJM>CHAN.BIN.FLT17
 CHNL = 100: CV-NRACY73

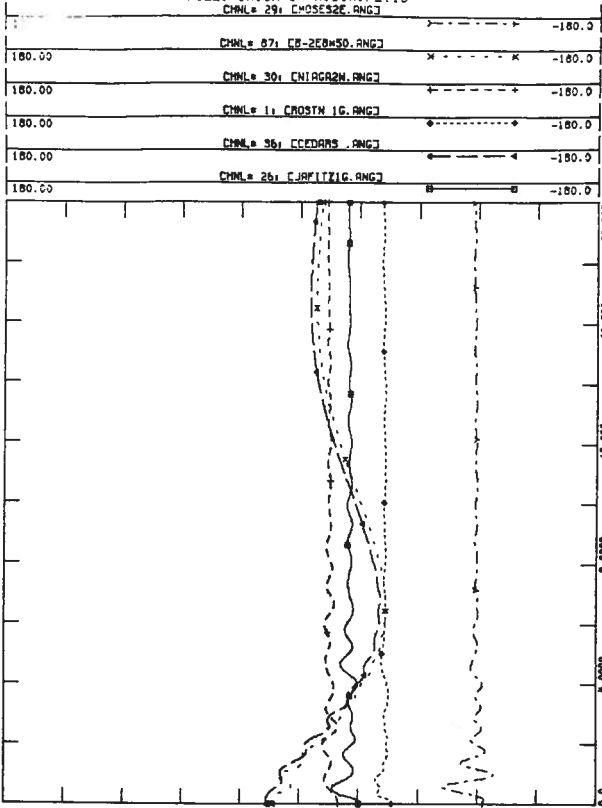
1.3000	CHNL = 100: CV-NRACY73	0.8000
1.3000	CHNL = 192: CV-RCH 3453	0.6000
1.3000	CHNL = 190: CV-MASSEH93	0.8000
1.3000	CHNL = 106: CV-N, SCOT33	0.8000
1.3000	CHNL = 126: CNTRAG345.V3	0.8000
1.3000	CHNL = 151: CCHATE E120.V3	0.8000



FRI, JAN 19 1990 09:19
 SYSTEM VOLTAGES

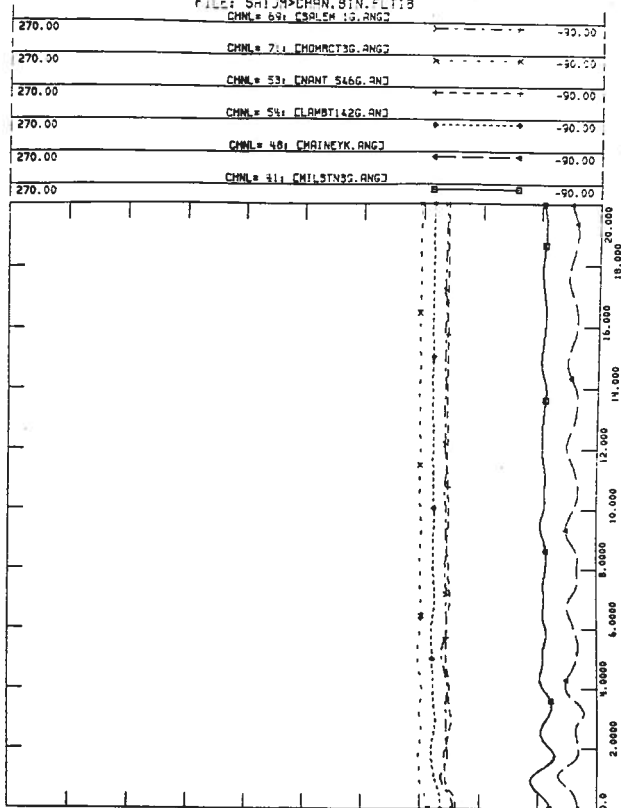
TE33 3PH-NEW SCOTLAND - 99 BUS FAULT
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT18
 CHNL= 29: CH05E2E.ANG



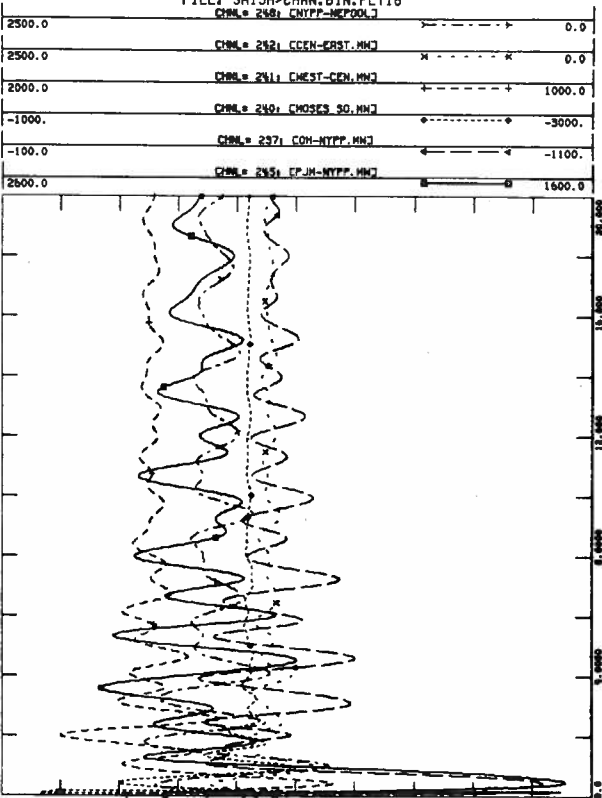
TE33 3PH-NEW SCOTLAND - 99 BUS FAULT
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT18
 CHNL= 63: C50LEM 1G.ANG



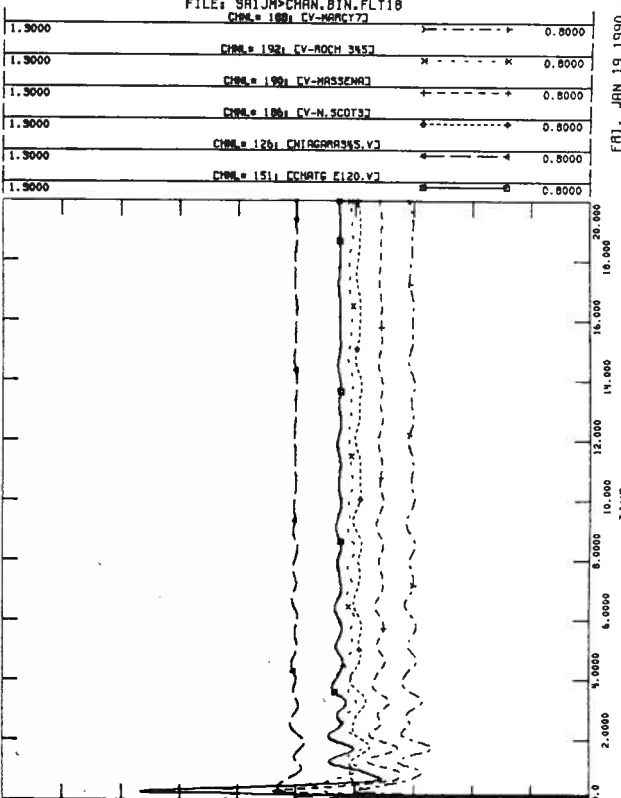
TE33 3PH-NEW SCOTLAND - 99 BUS FAULT
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT18
 CHNL= 248: CN1FF-NEPOOL



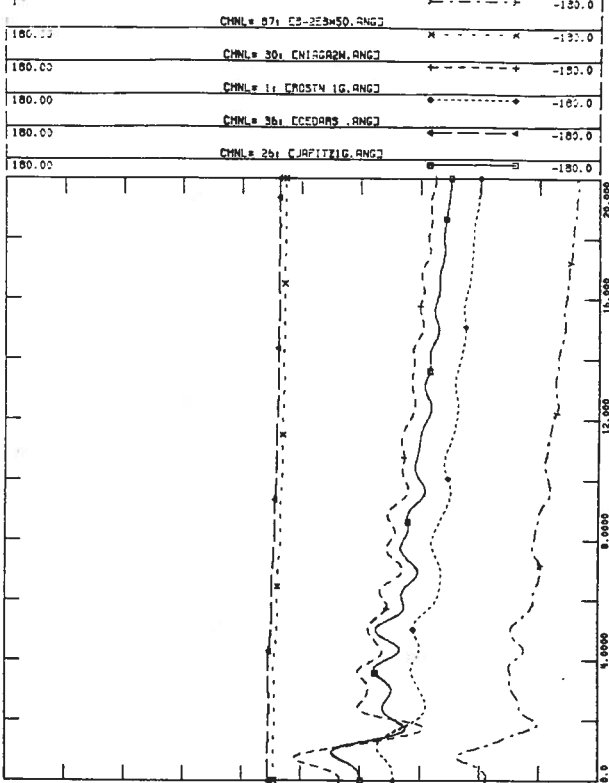
TE33 3PH-NEW SCOTLAND - 99 BUS FAULT
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT18
 CHNL= 188: CV-NARYT2



OH141 3PH-NCMILTON/H570V MILTON * CLAIREVILLE W/REJ-108R
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK D/S

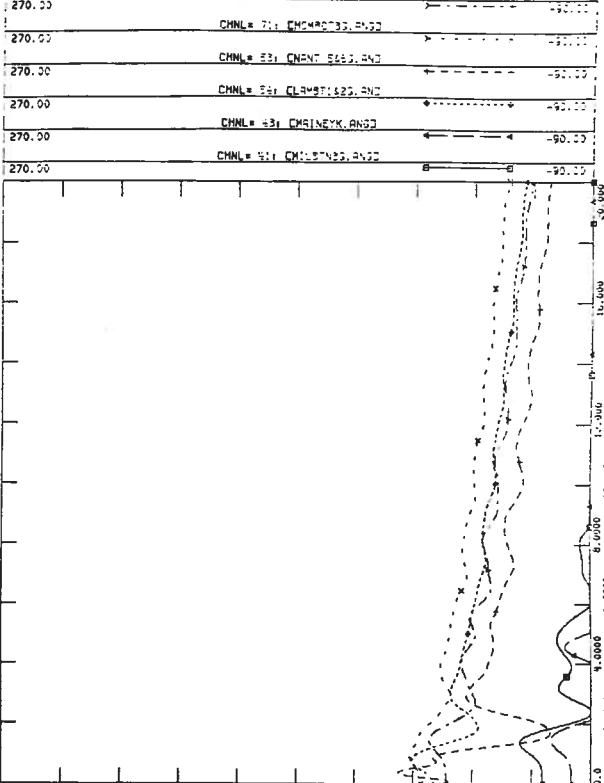
FILE: SAIJM>C-N.BIN.FLT19
 CHNL= 29: CHOSE32E.ANG



FRI, JUN 19 1990 20:24
 NYPP ROTOR ANGLES

OH141 3PH-NCMILTON/H570V MILTON * CLAIREVILLE W/REJ-108R
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK D/S

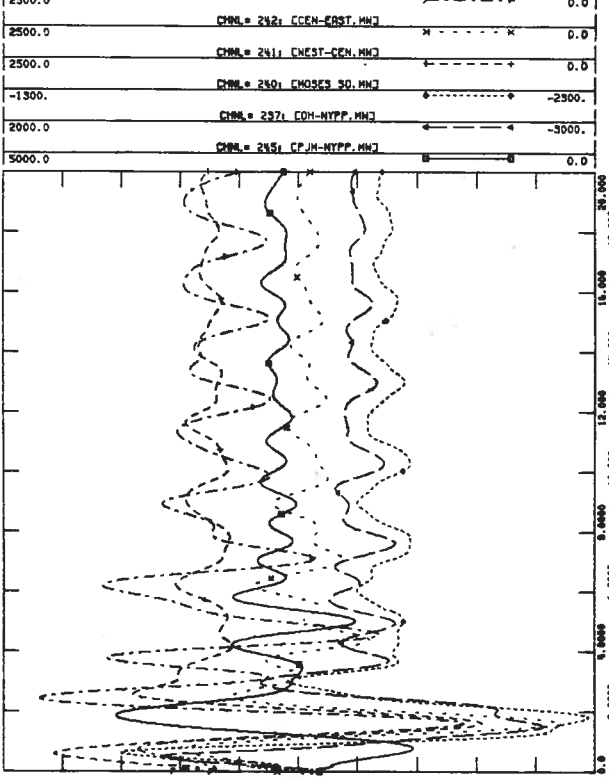
FILE: SAIJM>C-N.BIN.FLT19
 CHNL= 31: CHOSE32E.ANG



FRI, JUN 19 1990 20:24
 EXTERNAL ROTOR ANGLES

OH141 3PH-NCMILTON/H570V MILTON * CLAIREVILLE W/REJ-108R
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK D/S

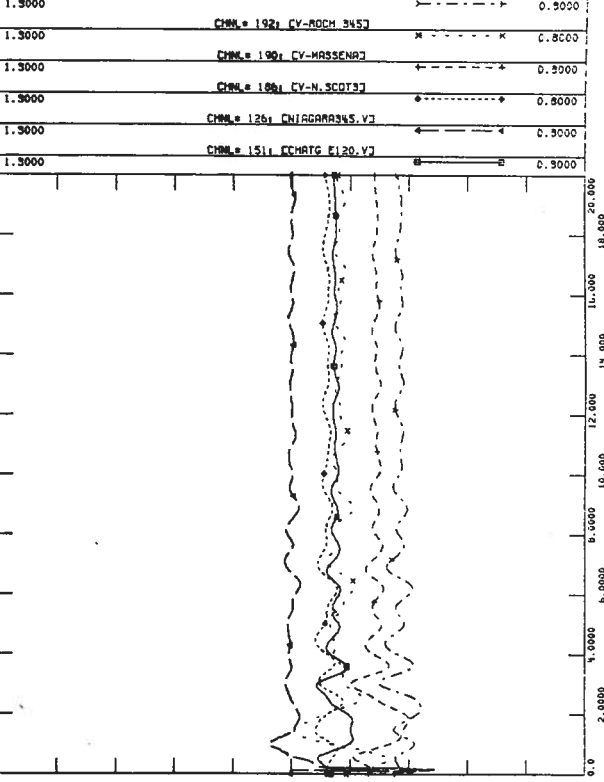
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 CHNL= 230: CHIPP-NE700J



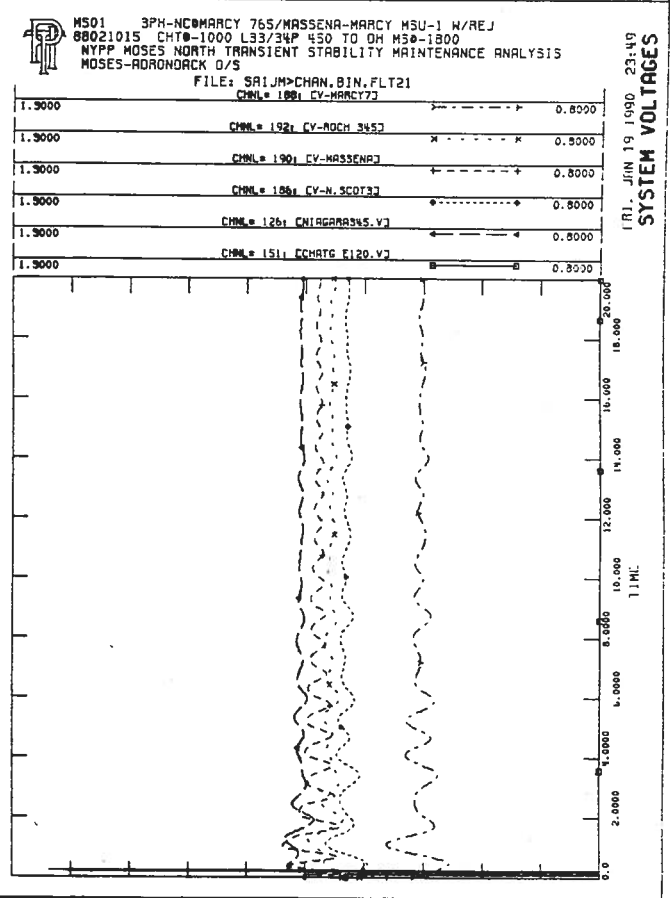
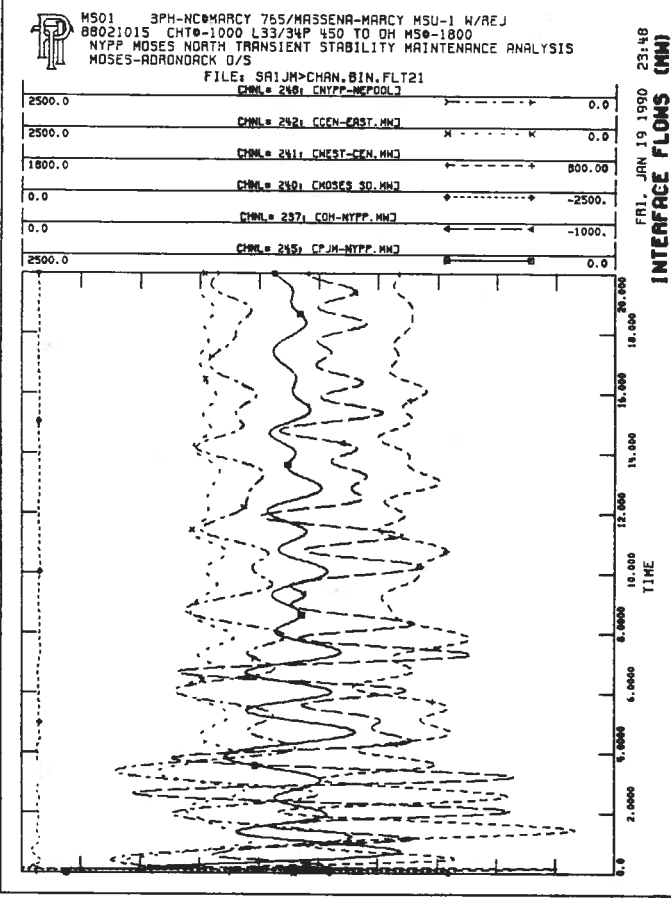
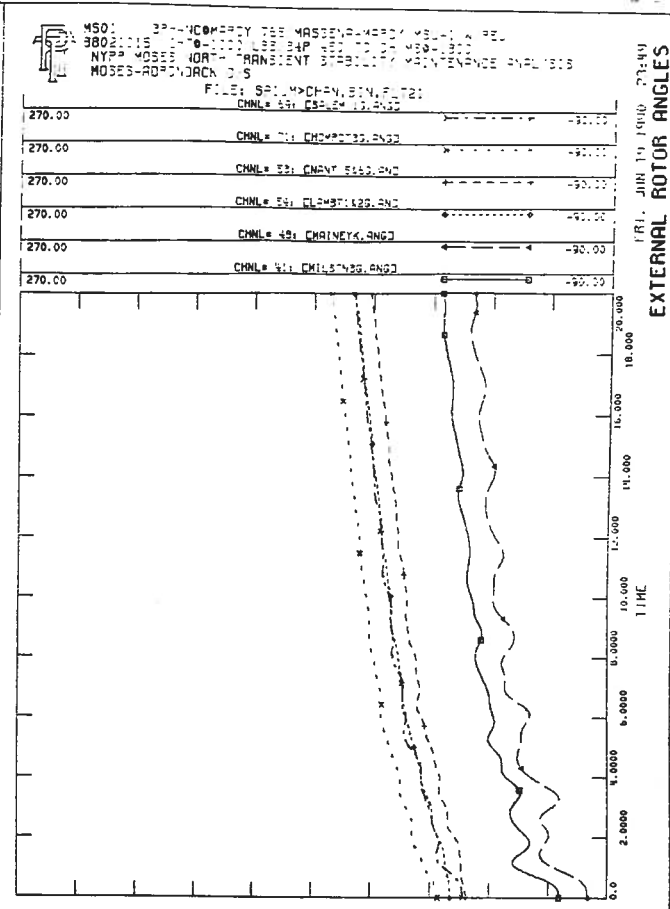
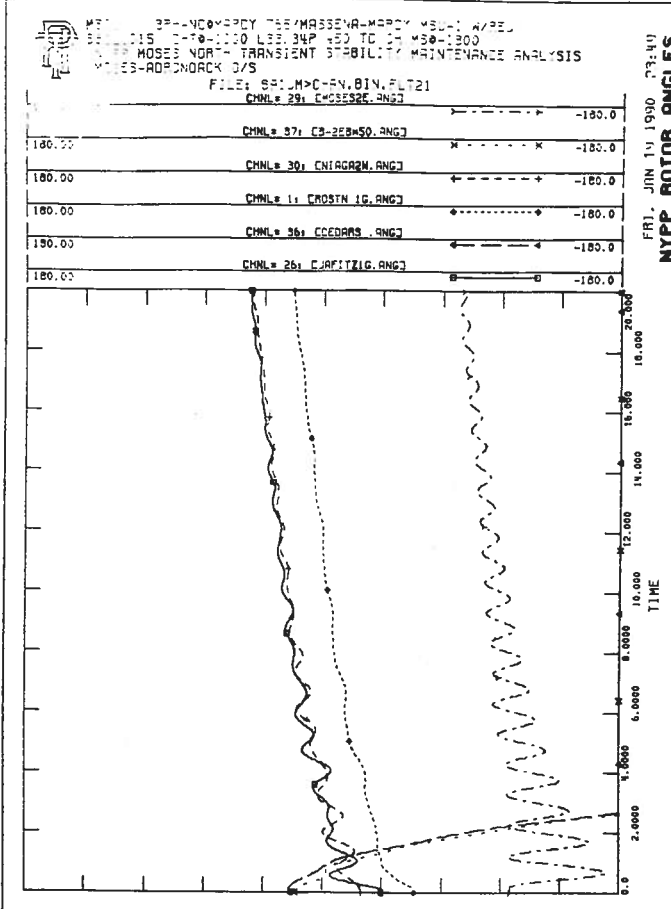
FRI, JUN 19 1990 20:24
 INTERFACE FLOWS (MW)

OH141 3PH-NCMILTON/H570V MILTON * CLAIREVILLE W/REJ-108R
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1823
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK D/S

FILE: SAIJM>CHAN.BIN.FLT19
 CHNL= 180: CV-MRAC77J

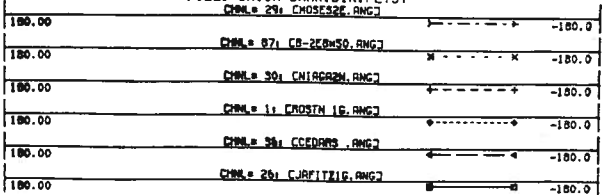


FRI, JUN 19 1990 20:24
 SYSTEM VOLTAGES



M504 3PH-NC#MOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/S

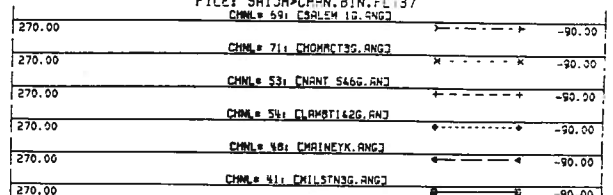
FILE: SRIJM>CHAN.BIN.FLT37
 CHANNEL 29: CHOSESE2.ANG2



FRI, FEB 2 1990 23:01
 NYPP ROTOR ANGLES

M504 3PH-NC#MOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/S

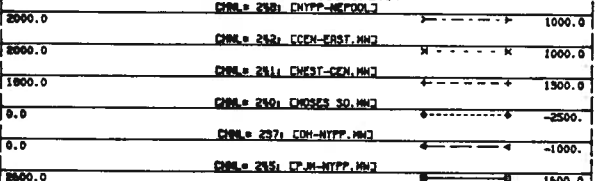
FILE: SRIJM>CHAN.BIN.FLT37
 CHANNEL 59: CBALEM 10.ANG2



FRI, FEB 2 1990 23:01
 EXTERNAL ROTOR ANGLES

M504 3PH-NC#MOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/S

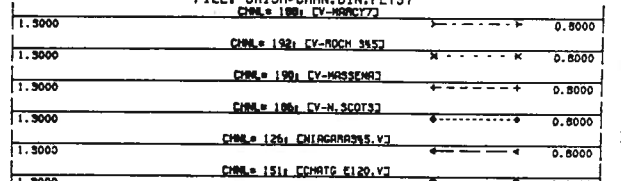
FILE: SRIJM>CHAN.BIN.FLT37
 CHANNEL 238: CHYPP-46.P002



FRI, FEB 2 1990 23:01
 INTERFACE FLOWS (MW)

M504 3PH-NC#MOSES 230/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONACK 0/S

FILE: SRIJM>CHAN.BIN.FLT37
 CHANNEL 188: CV-ROCK77



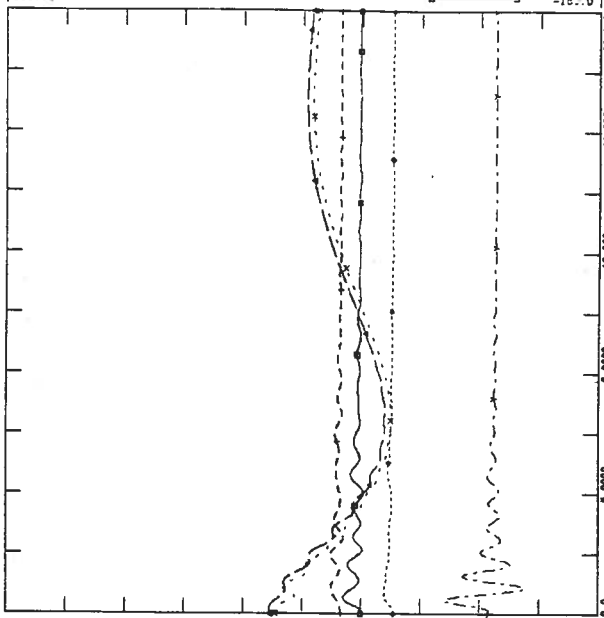
FRI, FEB 2 1990 23:01
 SYSTEM VOLTAGES



MS06 SLG-STK*MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRAJN>CHAN.BIN.FLT22
 CHNL = 291 C23522E.ANG3

180.00	CHNL = 271 C2-223450.ANG3	X	-180.00
180.00	CHNL = 291 C23522E.ANG3	X	-180.00
180.00	CHNL = 311 C23522E.ANG3	X	-180.00
180.00	CHNL = 331 C23522E.ANG3	X	-180.00
180.00	CHNL = 351 C23522E.ANG3	X	-180.00
180.00	CHNL = 371 C23522E.ANG3	X	-180.00



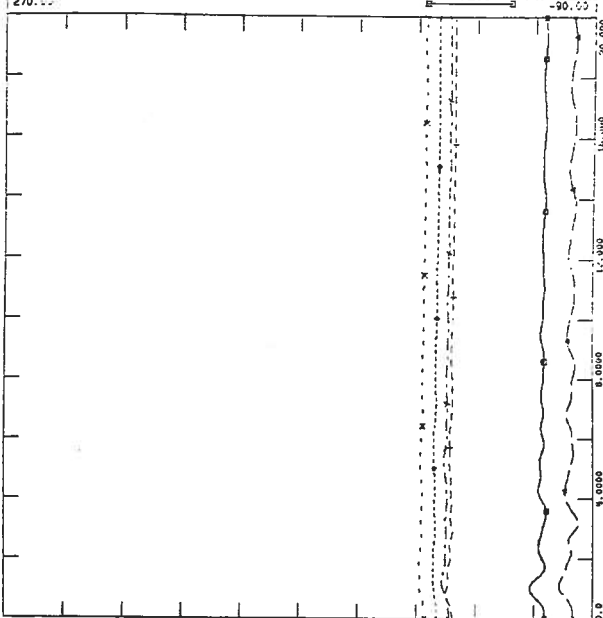
SAT. JUN 20 1990 01:43
 NYPP ROTOR ANGLES



MS06 SLG-STK*MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRAJN>CHAN.BIN.FLT22
 CHNL = 511 C23522E.ANG3

270.00	CHNL = 711 C23522E.ANG3	X	-90.00
270.00	CHNL = 731 C23522E.ANG3	X	-90.00
270.00	CHNL = 751 C23522E.ANG3	X	-90.00
270.00	CHNL = 771 C23522E.ANG3	X	-90.00
270.00	CHNL = 791 C23522E.ANG3	X	-90.00
270.00	CHNL = 811 C23522E.ANG3	X	-90.00



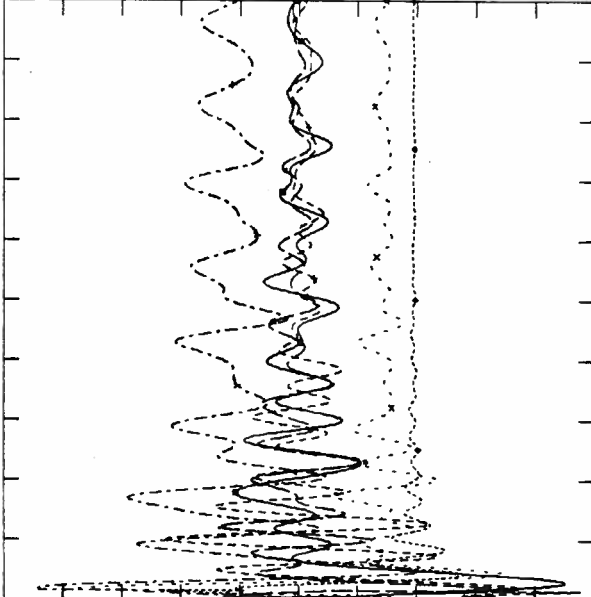
SAT. JUN 20 1990 01:44
 EXTERNAL ROTOR ANGLES



MS06 SLG-STK*MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRAJN>CHAN.BIN.FLT22
 CHNL = 2481 C23522E.ANG3

3000.0	CHNL = 2481 C23522E.ANG3	X	1000.0
3000.0	CHNL = 2481 C23522E.ANG3	X	1000.0
3000.0	CHNL = 2481 C23522E.ANG3	X	1500.0
0.0	CHNL = 2481 C23522E.ANG3	X	-2500.0
0.0	CHNL = 2481 C23522E.ANG3	X	-1000.0
3000.0	CHNL = 2481 C23522E.ANG3	X	1800.0



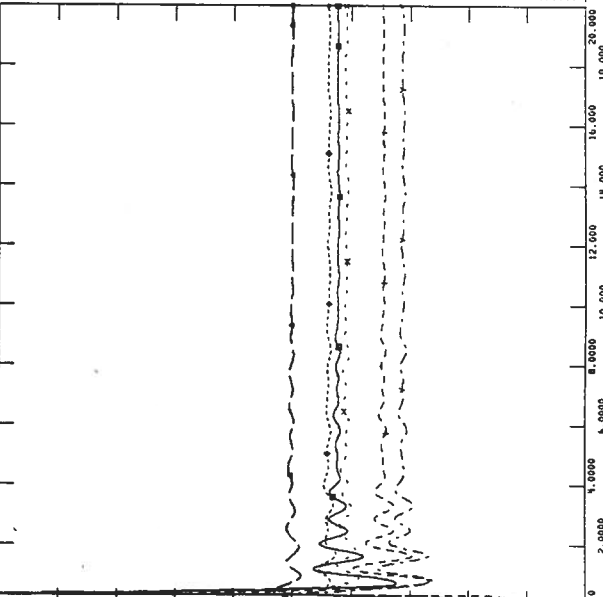
SAT. JUN 20 1990 01:43
 INTERFACE FLOWS (MW)



MS06 SLG-STK*MOSES/MASSENA-MOSES MMS-2 W/NO REJ
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SRAJN>CHAN.BIN.FLT22
 CHNL = 1881 C23522E.ANG3

1.9000	CHNL = 1881 C23522E.ANG3	X	0.8000
1.9000	CHNL = 1881 C23522E.ANG3	X	0.8000
1.9000	CHNL = 1881 C23522E.ANG3	X	0.8000
1.9000	CHNL = 1881 C23522E.ANG3	X	0.8000
1.9000	CHNL = 1881 C23522E.ANG3	X	0.8000
1.9000	CHNL = 1881 C23522E.ANG3	X	0.8000



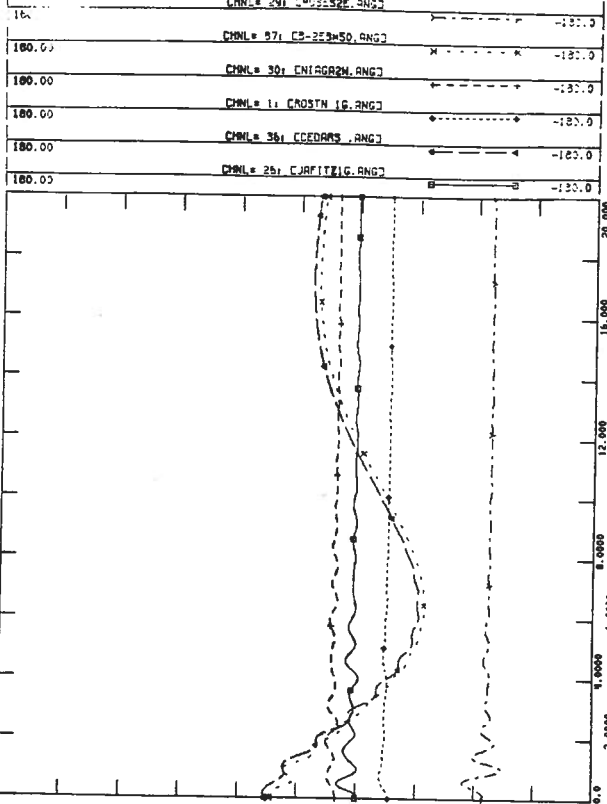
SAT. JUN 20 1990 01:43
 SYSTEM VOLTAGES



SLG-STK08ASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT23

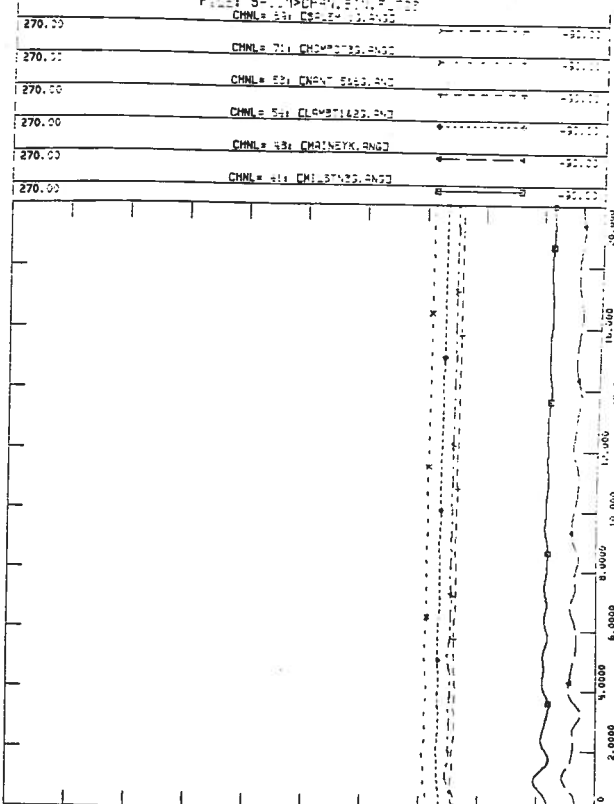
CHNL = 291 CMOSES2F.ANG



MS07 SLG-STK08ASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT23

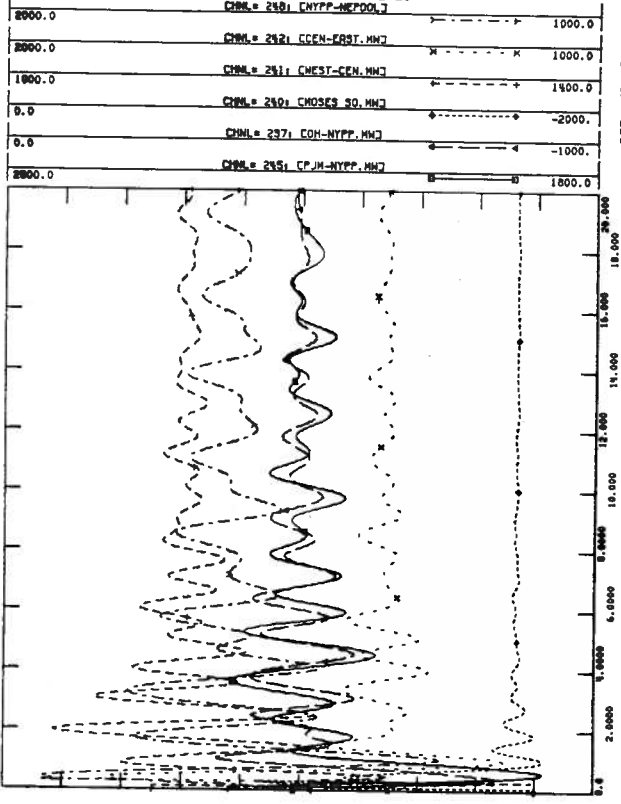
CHNL = 291 CMOSES2F.ANG



MS07 SLG-STK08ASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT23

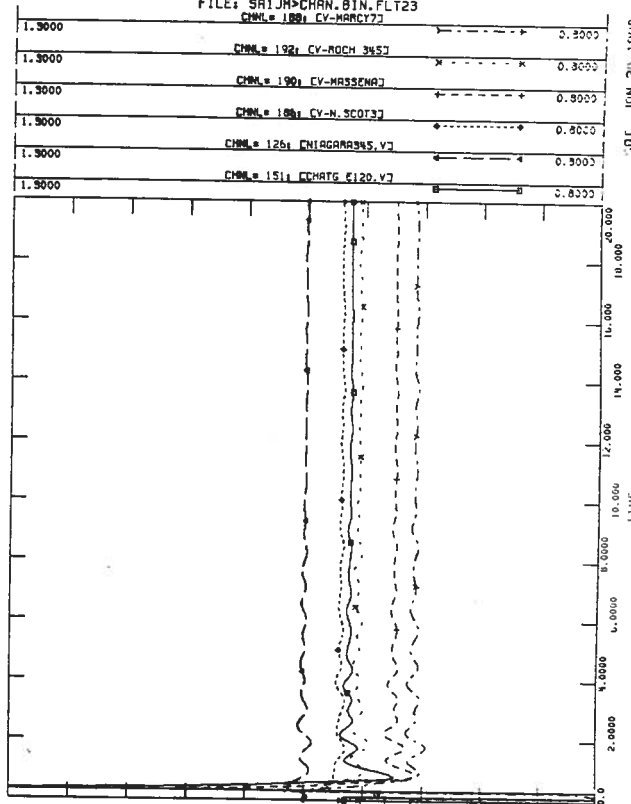
CHNL = 2481 CNYPP-NEPOOL



MS07 SLG-STK08ASSENA765/MASSENA-MOSES 765/230 MMS-1
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT23

CHNL = 1891 CV-MARCY73

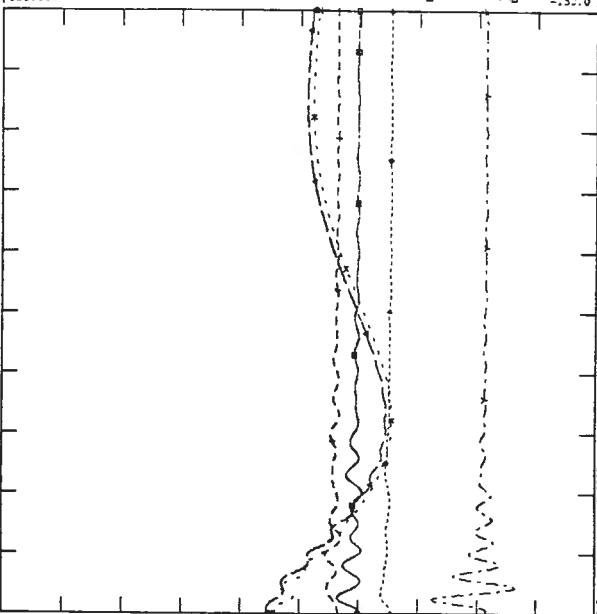




MS10 SLG-STK*MOSES /MOSES-HILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK 0/S

FILE: SRIJM>CHAN.BIN.FLT25
 CHNL= 29: CH2522E.V32

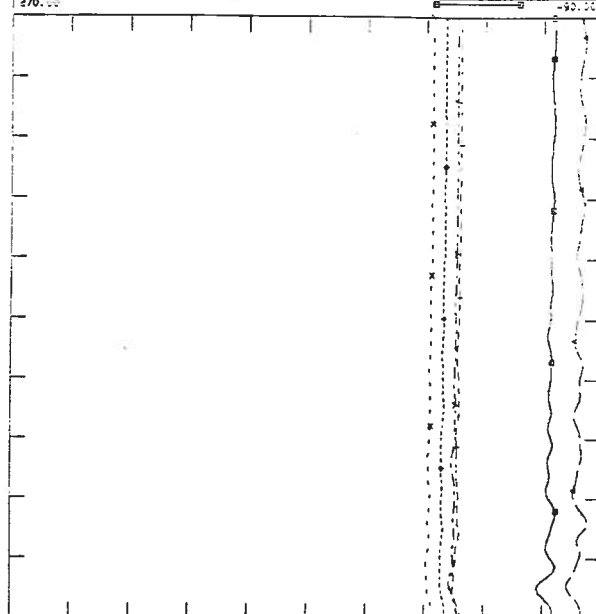
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180.00	CHNL= 37: CH2523E.V32	180.0
180.00	CHNL= 30: CH2520E.V32	180.0
180.00	CHNL= 1: CH2521E.V32	180.0
180.00	CHNL= 36: CH2524E.V32	180.0
180.00	CHNL= 26: CH2525E.V32	180.0



MS10 SLG-STK*MOSES /MOSES-HILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK 0/S

FILE: SRIJM>CHAN.BIN.FLT25
 CHNL= 39: CH2526E.V32

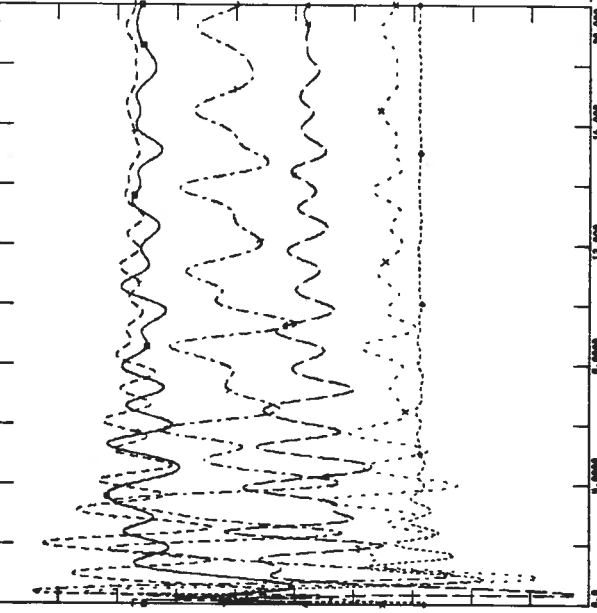
270.00	CHNL= 39: CH2526E.V32	270.00
270.00	CHNL= 7: CH2527E.V32	270.00
270.00	CHNL= 53: CH2528E.V32	270.00
270.00	CHNL= 54: CH2529E.V32	270.00
270.00	CHNL= 33: CH2530E.V32	270.00
270.00	CHNL= 51: CH2531E.V32	270.00



MS10 SLG-STK*MOSES /MOSES-HILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK 0/S

FILE: SRIJM>CHAN.BIN.FLT25
 CHNL= 248: CH2532E.V32

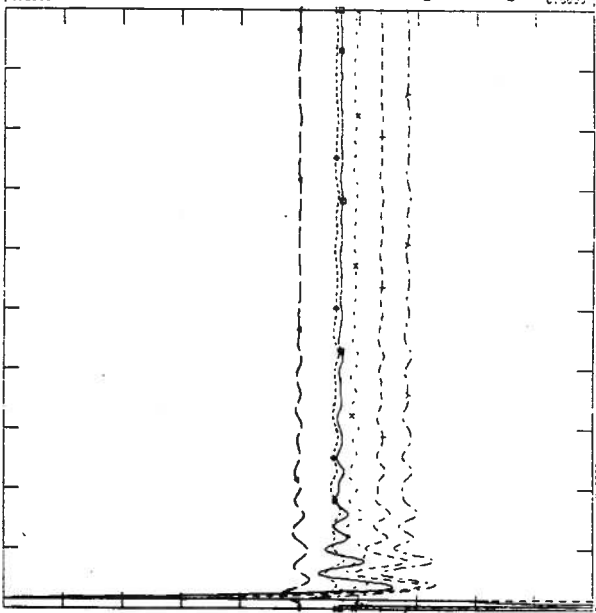
2000.0	CHNL= 248: CH2532E.V32	2000.0
2000.0	CHNL= 242: CH2533E.V32	2000.0
2000.0	CHNL= 251: CH2534E.V32	2000.0
0.0	CHNL= 240: CH2535E.V32	-2500.0
0.0	CHNL= 237: CH2536E.V32	-1000.0
2000.0	CHNL= 245: CH2537E.V32	800.00



MS10 SLG-STK*MOSES /MOSES-HILLIS-PLATT 230
 88021015 CHT0-1000 L33/34P 450 TO OH MS0-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK 0/S

FILE: SRIJM>CHAN.BIN.FLT25
 CHNL= 108: CH2538E.V32

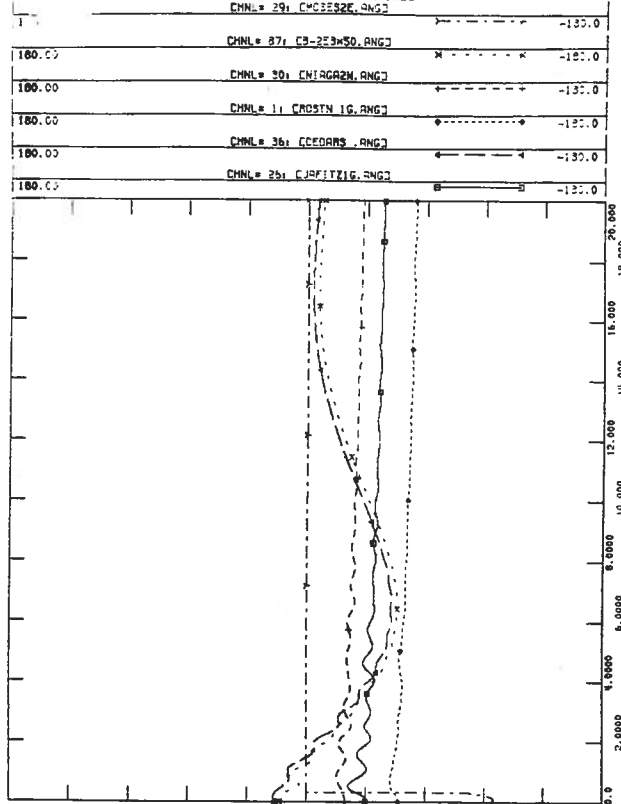
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1.3000	CHNL= 192: CH2539E.V32	0.8000
1.3000	CHNL= 190: CH2540E.V32	0.8000
1.3000	CHNL= 188: CH2541E.V32	0.8000
1.3000	CHNL= 126: CH2542E.V32	0.8000
1.3000	CHNL= 151: CH2543E.V32	0.8000





MS11 SLG-STK#MOSES 230/MASSENA-MOSES 230#HMS-1 W/3REJ
 88021015 CHT#-1000 L33/34P 450 TO OH MS#-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT26
 CHNL = 291 C#CE352E.ANG3

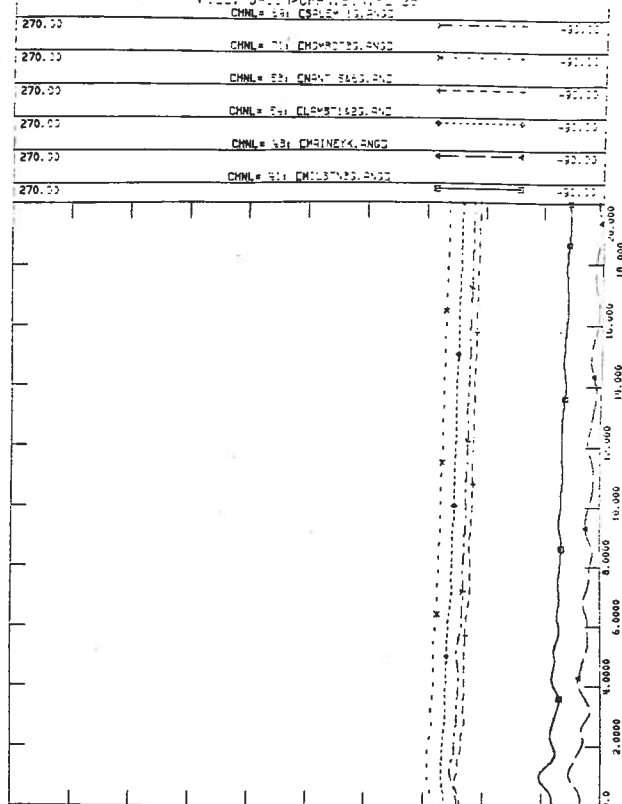


SAT. JAN 20 1990 07:55
 NYPP ROTOR ANGLES



MS11 SLG-STK#MOSES 230/MASSENA-MOSES 230#HMS-1 W/3REJ
 88021015 CHT#-1000 L33/34P 450 TO OH MS#-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CH2V.BIN.FLT26
 CHNL = 291 C#CE352E.ANG3

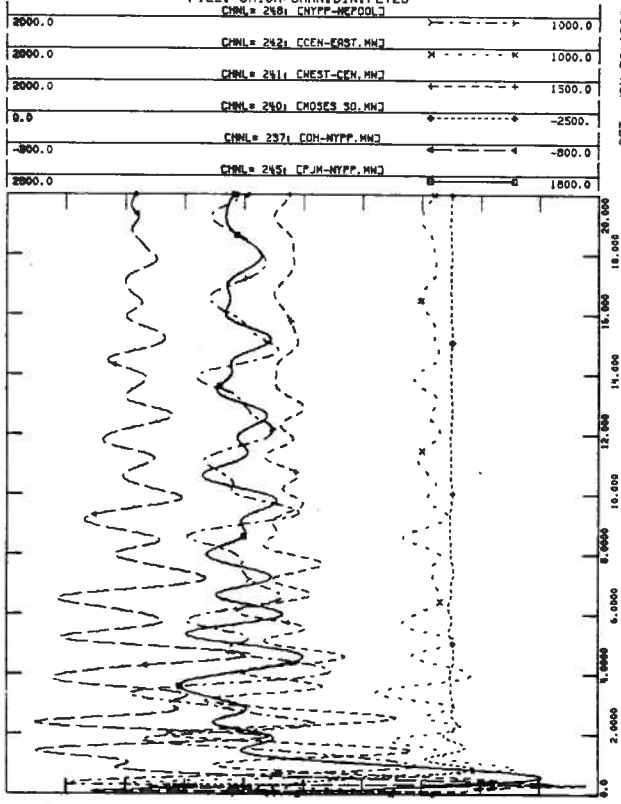


SAT. JAN 20 1990 07:55
 EXTERNAL ROTOR ANGLES



MS11 SLG-STK#MOSES 230/MASSENA-MOSES 230#HMS-1 W/3REJ
 88021015 CHT#-1000 L33/34P 450 TO OH MS#-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT26
 CHNL = 2481 C#NYPP-NEFOOL7

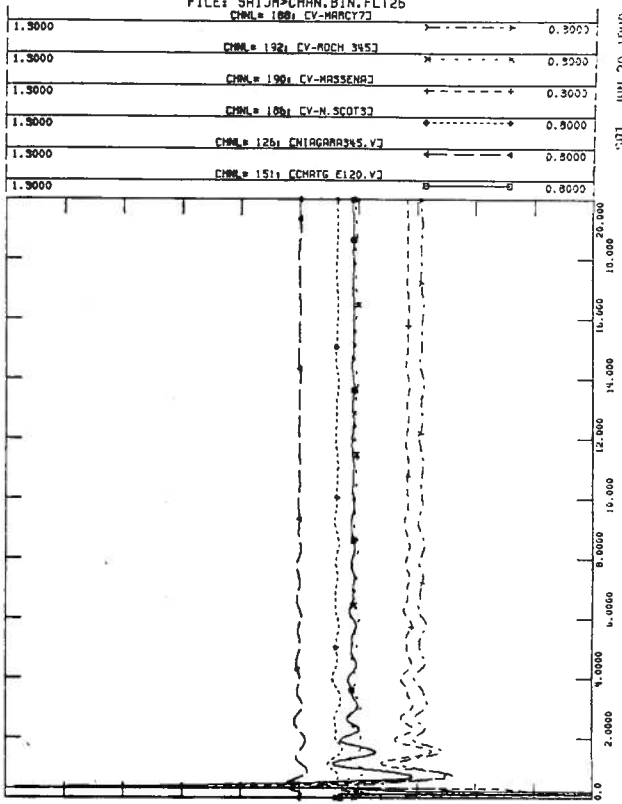


SAT. JAN 20 1990 07:55
 INTERFACE FLOWS (MW)



MS11 SLG-STK#MOSES 230/MASSENA-MOSES 230#HMS-1 W/3REJ
 88021015 CHT#-1000 L33/34P 450 TO OH MS#-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDACK D/S

FILE: SRIJM>CHAN.BIN.FLT26
 CHNL = 1881 C#V-HARC173



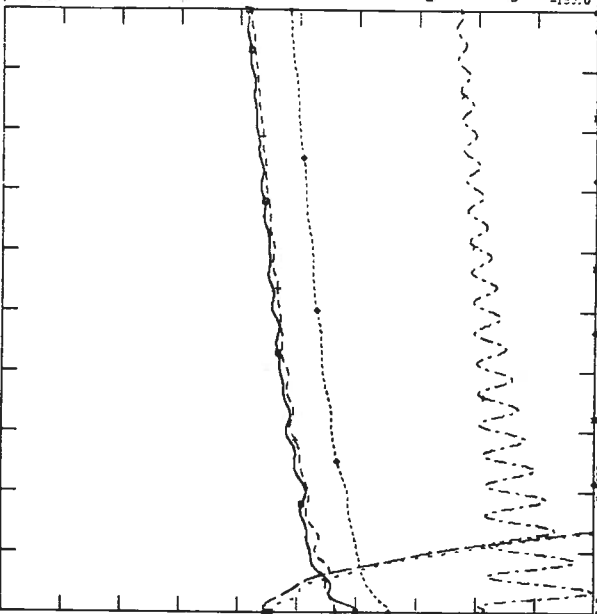
SAT. JAN 20 1990 07:55
 SYSTEM VOLTAGES



MS13 LLD@MOSES /MOSES-MASSENA 230
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT28
 CHNL= 291 C3-259H50.ANG3

180.00	CHNL= 291 C3-259H50.ANG3	-180.0
180.00	CHNL= 301 C4-2322M.ANG3	-180.0
180.00	CHNL= 11 C6CSTN 16.ANG3	-180.0
180.00	CHNL= 381 C6CSTN 16.ANG3	-180.0
180.00	CHNL= 291 C45P171G.ANG3	-180.0



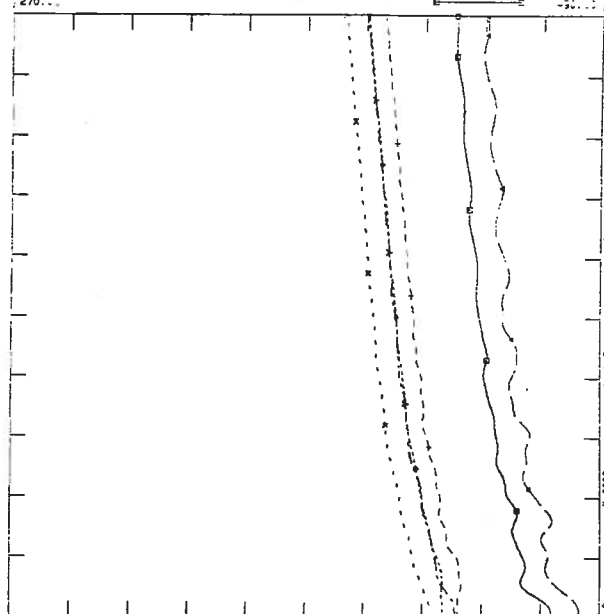
NYPP ROTOR ANGLES



MS13 LLD@MOSES /MOSES-MASSENA 230
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT28
 CHNL= 591 C33-2V 1.ANG3

270.00	CHNL= 711 C4M20222.ANG3	-270.00
270.00	CHNL= 521 C4M21 2662.ANG3	-270.00
270.00	CHNL= 581 C4M201022.ANG3	-270.00
270.00	CHNL= 491 C4M16V6.ANG3	-270.00
270.00	CHNL= 411 C4M16V6.ANG3	-270.00



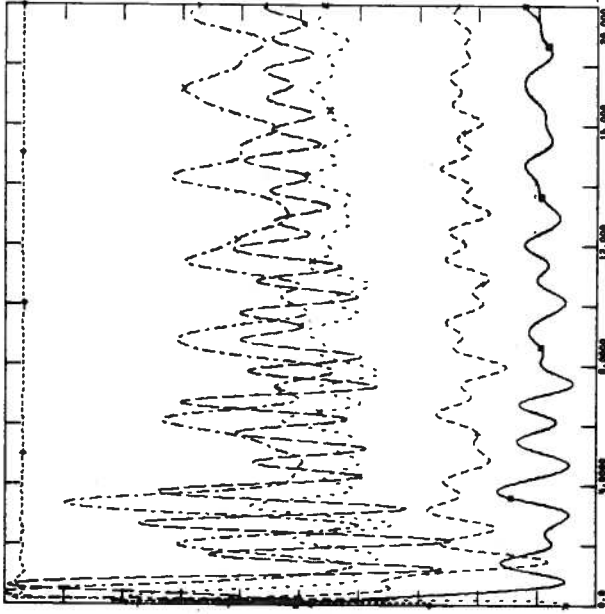
EXTERNAL ROTOR ANGLES



MS13 LLD@MOSES /MOSES-MASSENA 230
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT28
 CHNL= 2421 CEN-ENST.MM3

3000.0	CHNL= 2421 CEN-ENST.MM3	1000.0
2500.0	CHNL= 2411 CENST-CEN.MM3	1300.0
2000.0	CHNL= 2401 CMOSES 30.MM3	1000.0
0.0	CHNL= 2371 COH-NYPP.MM3	-2500.0
0.0	CHNL= 2451 CFJM-NYPP.MM3	-1000.0



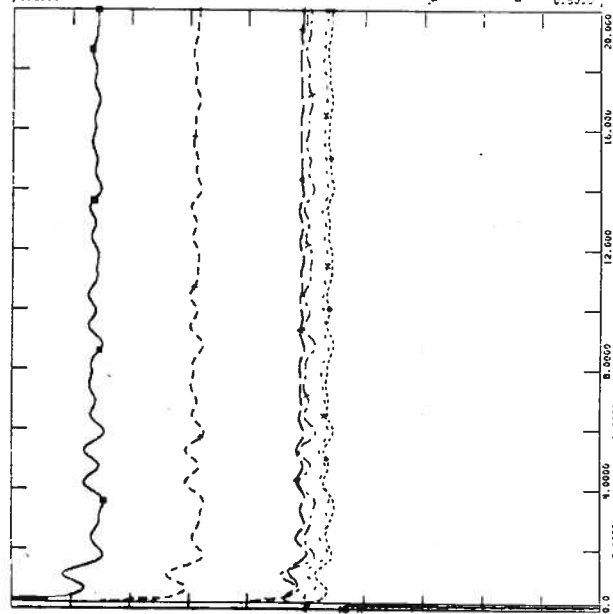
INTERFACE FLOWS (MM)



MS13 LLD@MOSES /MOSES-MASSENA 230
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJH>CHAN.BIN.FLT28
 CHNL= 1001 CV-NANCY72

1.3000	CHNL= 1321 CV-ROCK 3453	0.8000
1.3000	CHNL= 1901 CV-MASSENA2	0.3000
1.3000	CHNL= 1801 CV-N SCOT33	0.3000
1.3000	CHNL= 1261 C4M20222.V3	0.3000
1.3000	CHNL= 1511 C4M20 2122.V3	0.3000



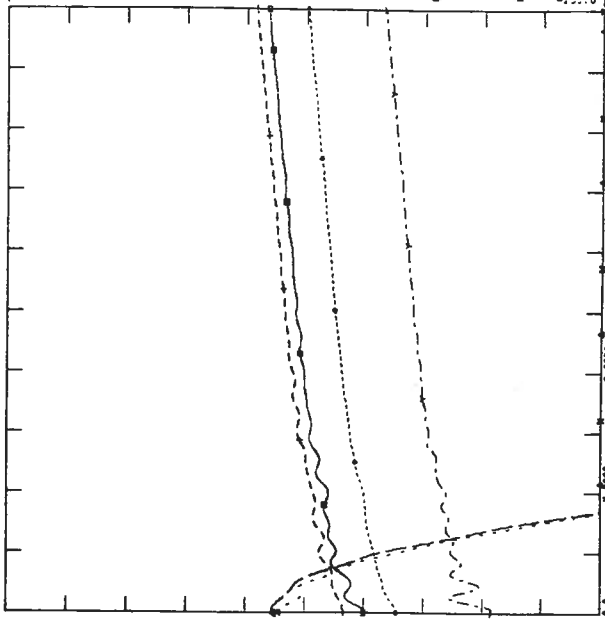
SYSTEM VOLTAGES



MS14 3PH-NC@CHATEAUGUY 755KV/CHATEAUGUY-MASSENA MEC-704
 8802:015 CHTB-1000 L33/34P 450 TO OH MS9-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONJACK O/S

FILE: SAIJM>CHAN.BIN.FLT29
 CHNL= 291 C2-2F3M50.ANG3

180.00	CHNL= 291 C2-2F3M50.ANG3	-180.0
180.00	CHNL= 301 CNI32R2M.ANG3	-180.0
180.00	CHNL= 11 CPG3TM 1G.ANG3	-180.0
180.00	CHNL= 361 CDEGRAS.ANG3	-180.0
180.00	CHNL= 291 C2-2F3M50.ANG3	-180.0



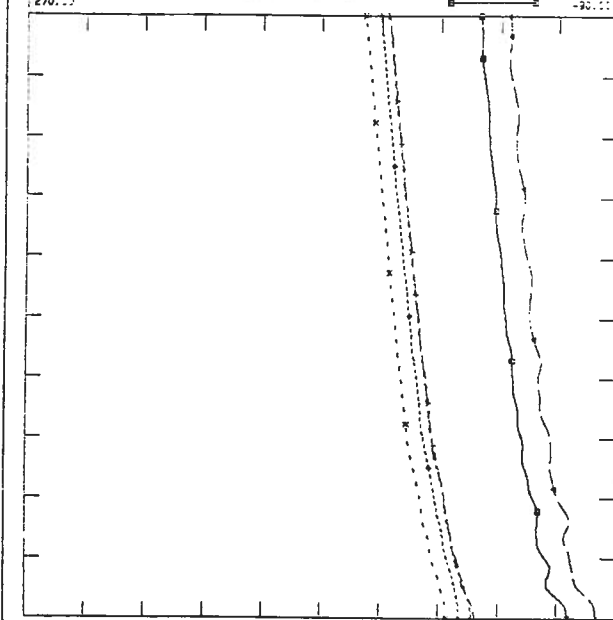
SAT. JUN 20 1990 15:37
 NYPP ROTOR ANGLES



MS14 3PH-NC@CHATEAUGUY 755KV/CHATEAUGUY-MASSENA MEC-704
 8802:015 CHTB-1000 L33/34P 450 TO OH MS9-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONJACK O/S

FILE: SAIJM>CHAN.BIN.FLT29
 CHNL= 291 C2-2F3M50.ANG3

270.00	CHNL= 291 C2-2F3M50.ANG3	-270.00
270.00	CHNL= 711 CCHVART23.ANG3	-270.00
270.00	CHNL= 231 CNEYT 3663.ANG3	-270.00
270.00	CHNL= 241 CLEM211632.ANG3	-270.00
270.00	CHNL= 481 CMI32R2M.ANG3	-270.00
270.00	CHNL= 291 C2-2F3M50.ANG3	-270.00



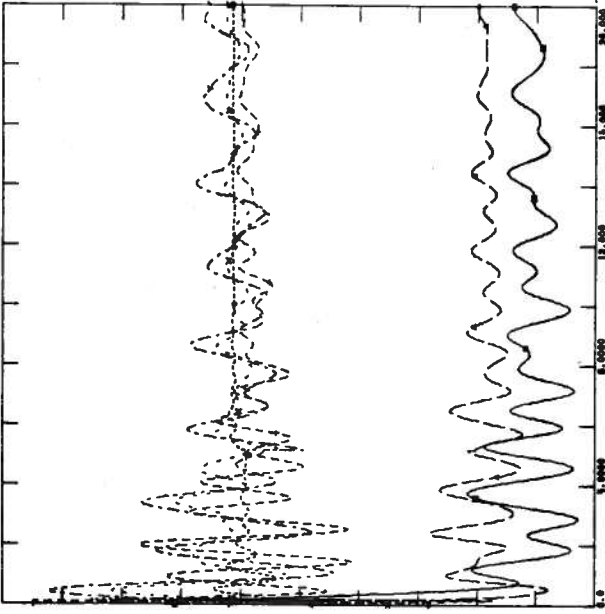
SAT. JUN 20 1990 15:37
 EXTERNAL ROTOR ANGLES



MS14 3PH-NC@CHATEAUGUY 755KV/CHATEAUGUY-MASSENA MEC-704
 8802:015 CHTB-1000 L33/34P 450 TO OH MS9-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONJACK O/S

FILE: SAIJM>CHAN.BIN.FLT29
 CHNL= 248 CNYPP-NEPOOL3

2000.0	CHNL= 248 CNYPP-NEPOOL3	1000.0
2000.0	CHNL= 2421 CEN-EAST.MW3	1000.0
1800.0	CHNL= 2411 CEN-CEN.MW3	1300.0
0.0	CHNL= 2501 CMOSES 30.MW3	-2500.0
0.0	CHNL= 2371 COH-NYPP.MW3	-1000.0
2600.0	CHNL= 2451 CPJM-NYPP.MW3	1600.0



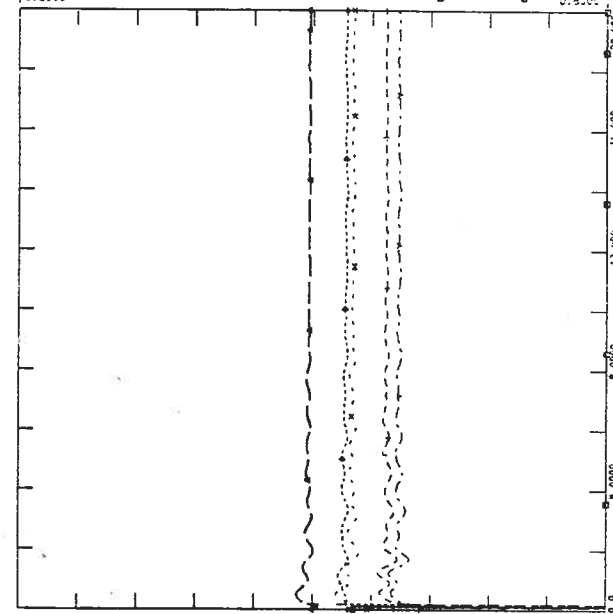
SAT. JUN 20 1990 15:39
 INTERFACE FLOWS (MW)



MS14 3PH-NC@CHATEAUGUY 755KV/CHATEAUGUY-MASSENA MEC-704
 8802:015 CHTB-1000 L33/34P 450 TO OH MS9-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONJACK O/S

FILE: SAIJM>CHAN.BIN.FLT29
 CHNL= 1861 CV-MARC773

1.5000	CHNL= 1861 CV-MARC773	0.5000
1.5000	CHNL= 1921 CV-ROCK 2453	0.5000
1.5000	CHNL= 1901 CV-MASSENA3	0.5000
1.5000	CHNL= 1261 CV-N.SCD133	0.5000
1.5000	CHNL= 1261 CNIAGRAS345.V3	0.5000
1.5000	CHNL= 1511 CCHVATC 5120.V3	0.5000



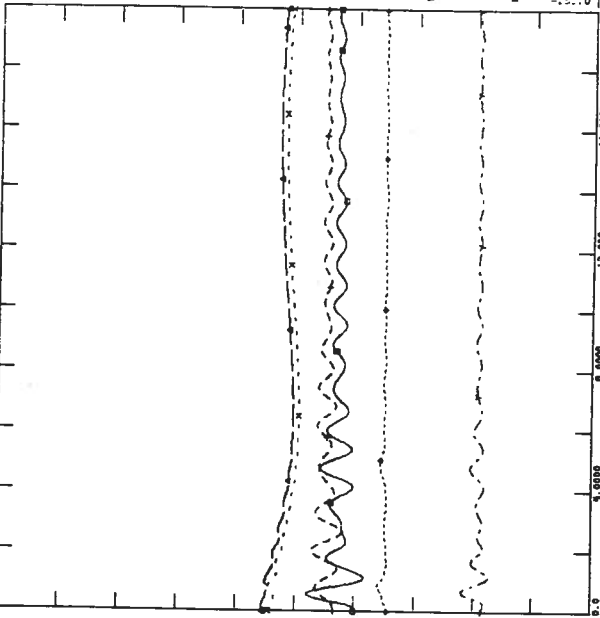
SAT. JUN 20 1990 15:39
 SYSTEM VOLTAGES



CE03 SLG/STK0EDIC345/EDIC-N.SCOT#14;BKUP CLRFIT2345
 88021015 CHTB-1000 L33/34P 450 TO OH M58-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

FILE: SAIJM>CHAN.BIN.FLT30
 CHNL= 291 CMOSES2E.ANG2

180.00	CHNL= 371 C3-223K50.ANG2	180.00
180.00	CHNL= 301 CN13222M.ANG2	180.00
180.00	CHNL= 11 CN2274 L3.ANG2	180.00
180.00	CHNL= 361 CMOSES1E.ANG2	180.00
180.00	CHNL= 251 CJPAT121G.ANG2	180.00



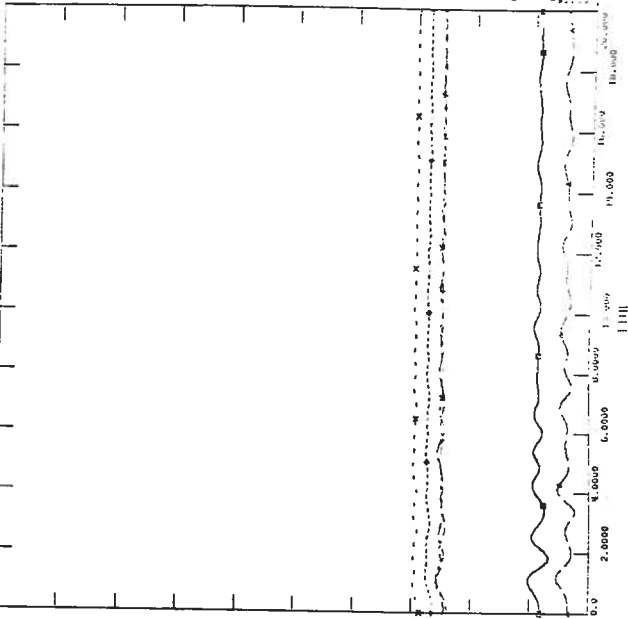
NYPP ROTOR ANGLES



CE03 SLG/STK0EDIC345/EDIC-N.SCOT#14;BKUP CLRFIT2345
 88021015 CHTB-1000 L33/34P 450 TO OH M58-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

FILE: SAIJM>CHAN.BIN.FLT30
 CHNL= 101 C3-223K50.ANG2

270.00	CHNL= 101 C3-223K50.ANG2	270.00
270.00	CHNL= 221 CN277E.ANG2	270.00
270.00	CHNL= 221 CN277E.ANG2	270.00
270.00	CHNL= 221 CN277E.ANG2	270.00
270.00	CHNL= 221 CN277E.ANG2	270.00
270.00	CHNL= 221 CN277E.ANG2	270.00



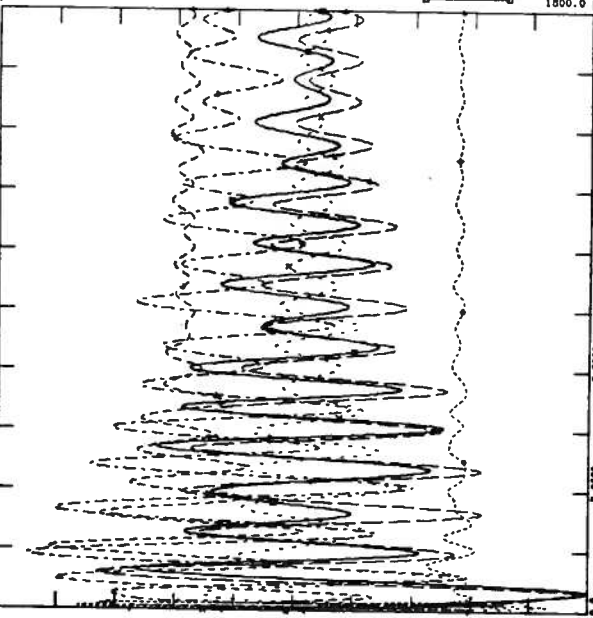
EXTERNAL ROTOR ANGLES



CE03 SLG/STK0EDIC345/EDIC-N.SCOT#14;BKUP CLRFIT2345
 88021015 CHTB-1000 L33/34P 450 TO OH M58-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

FILE: SAIJM>CHAN.BIN.FLT30
 CHNL= 2481 CNYP-NK200L

2000.0	CHNL= 2421 CEN-EAST.MW2	1000.0
1700.0	CHNL= 2411 CENST-CEN.MW2	700.00
2000.0	CHNL= 2401 CMOSES 30.MW2	1000.0
-1000.0	CHNL= 2371 CEN-NYPP.MW2	-2000.0
0.0	CHNL= 2451 CEN-NYPP.MW2	-1000.0
2000.0	CHNL= 2451 CEN-NYPP.MW2	1000.0



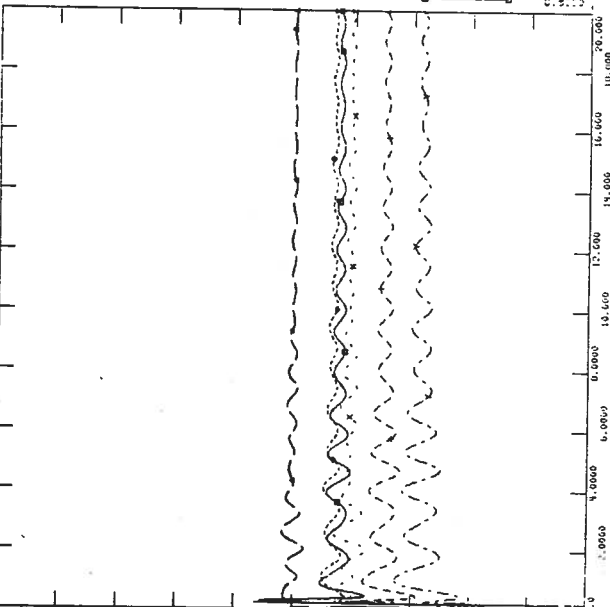
INTERFACE FLOWS (MW)



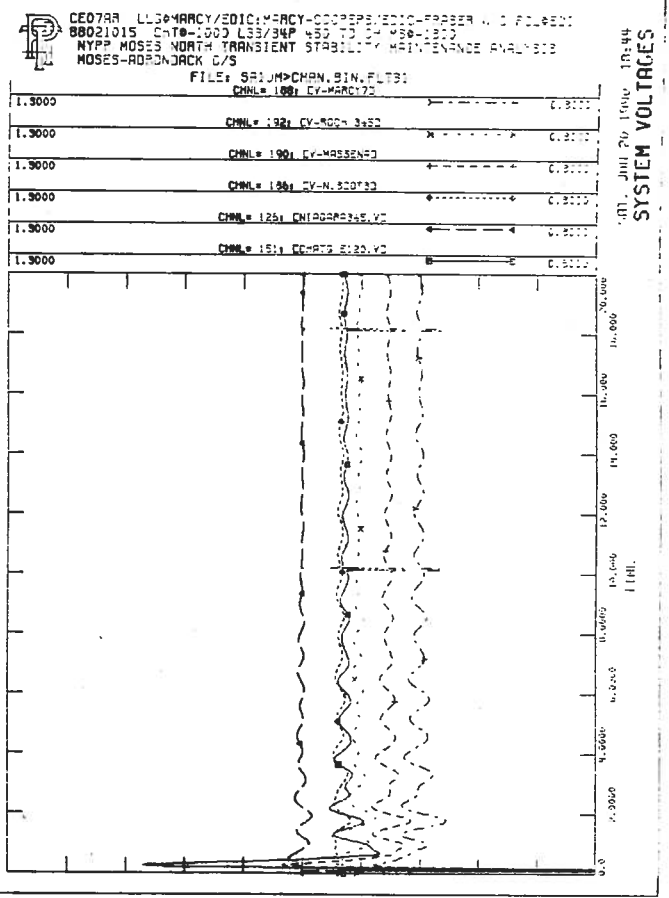
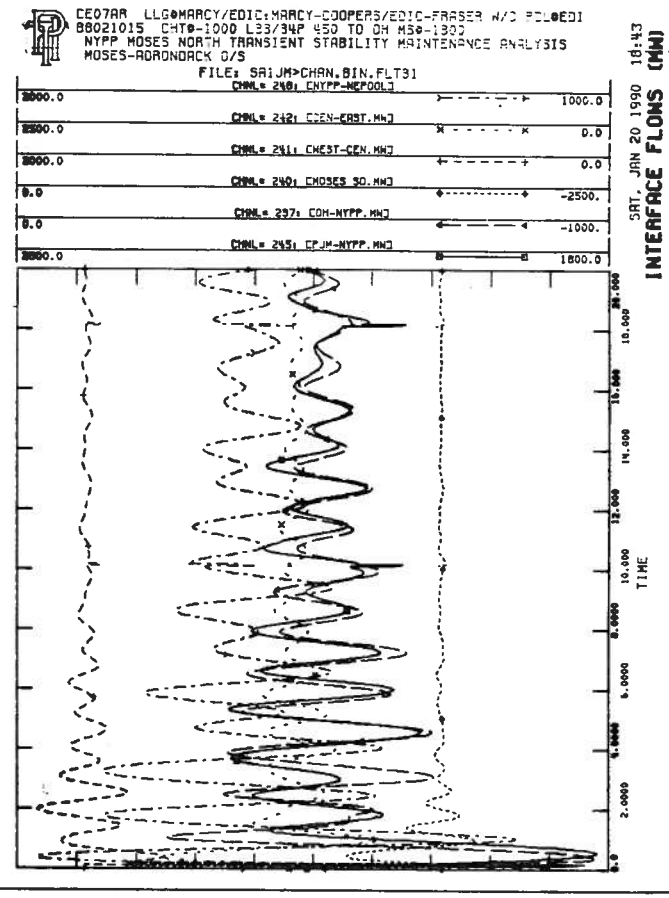
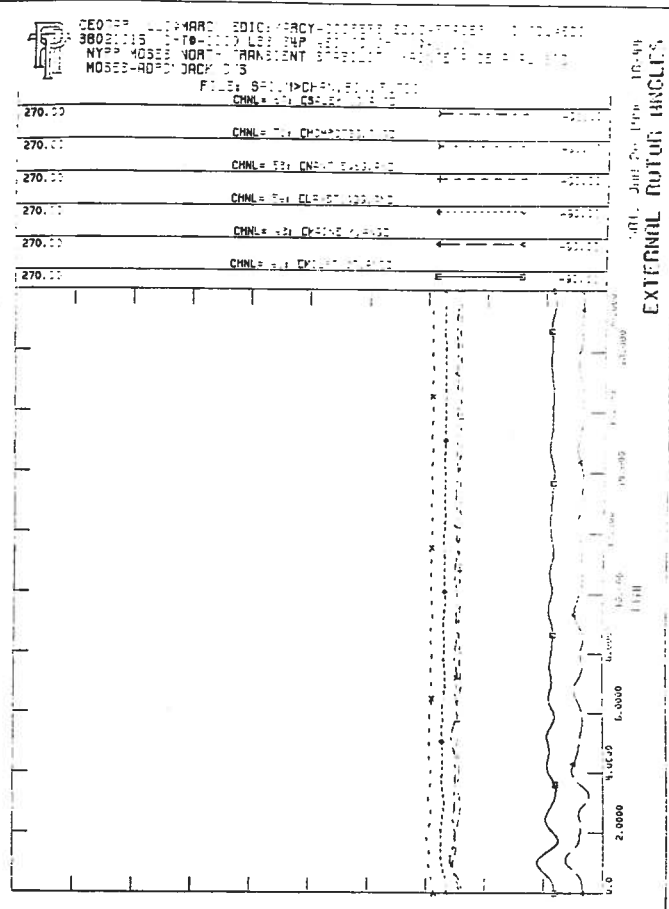
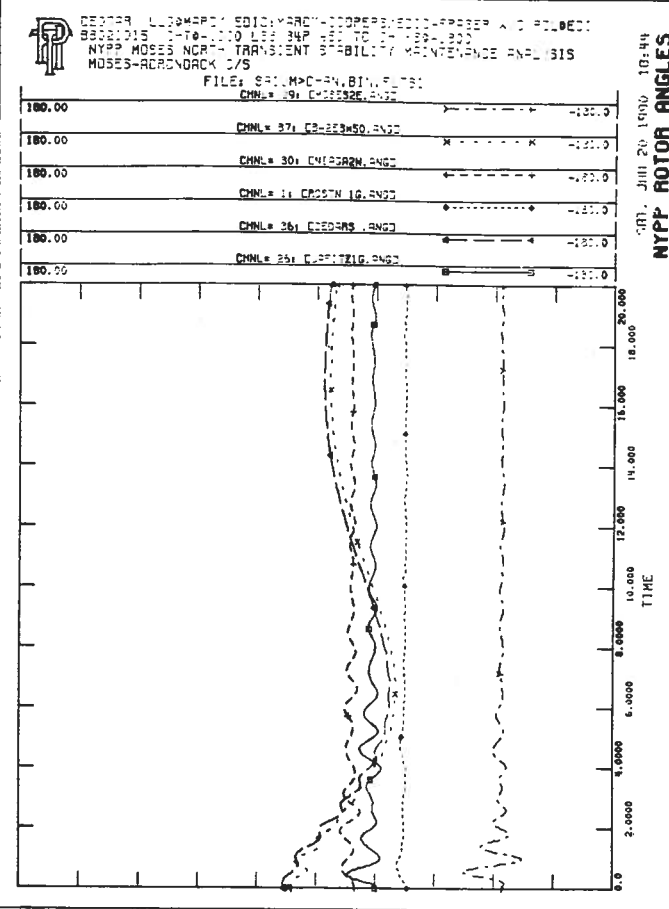
CE03 SLG/STK0EDIC345/EDIC-N.SCOT#14;BKUP CLRFIT2345
 88021015 CHTB-1000 L33/34P 450 TO OH M58-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK D/S

FILE: SAIJM>CHAN.BIN.FLT30
 CHNL= 1881 CV-MARC172

1.3000	CHNL= 1921 CV-MOS 3452	0.5000
1.3000	CHNL= 1301 CV-MOS2E.ANG2	0.5000
1.3000	CHNL= 1301 CV-MOS2E.ANG2	0.5000
1.3000	CHNL= 1301 CV-MOS2E.ANG2	0.5000
1.3000	CHNL= 1251 CN13222M.ANG2	0.5000
1.3000	CHNL= 1511 CN13222M.ANG2	0.5000



SYSTEM VOLTAGES

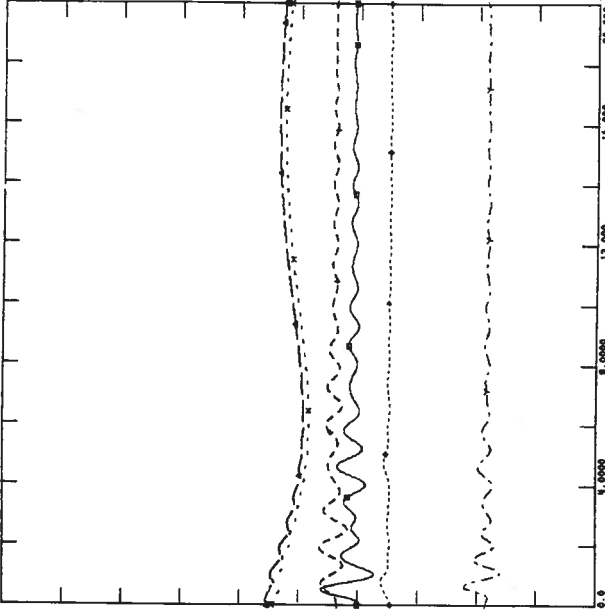




CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT32
 CHNL = 291 CHT0-1000.ANG

180.00	CHNL = 291 CHT0-1000.ANG	-180.00
180.00	CHNL = 271 CHT0-0825.ANG	-180.00
180.00	CHNL = 301 CHT0-0825.ANG	-180.00
180.00	CHNL = 111 CHT0-0825.ANG	-180.00
180.00	CHNL = 351 CHT0-0825.ANG	-180.00
180.00	CHNL = 251 CHT0-0825.ANG	-180.00



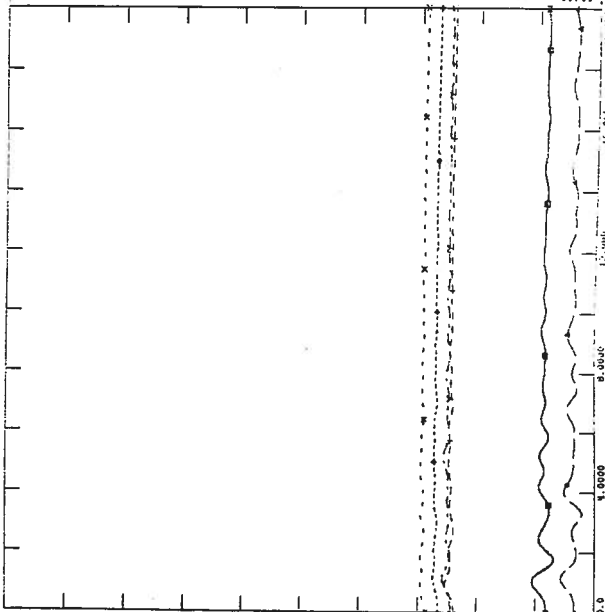
NYPP ROTOR ANGLES



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT32
 CHNL = 191 CHT0-0825.ANG

270.00	CHNL = 191 CHT0-0825.ANG	-270.00
270.00	CHNL = 701 CHT0-0825.ANG	-270.00
270.00	CHNL = 531 CHT0-0825.ANG	-270.00
270.00	CHNL = 551 CHT0-0825.ANG	-270.00
270.00	CHNL = 431 CHT0-0825.ANG	-270.00
270.00	CHNL = 511 CHT0-0825.ANG	-270.00



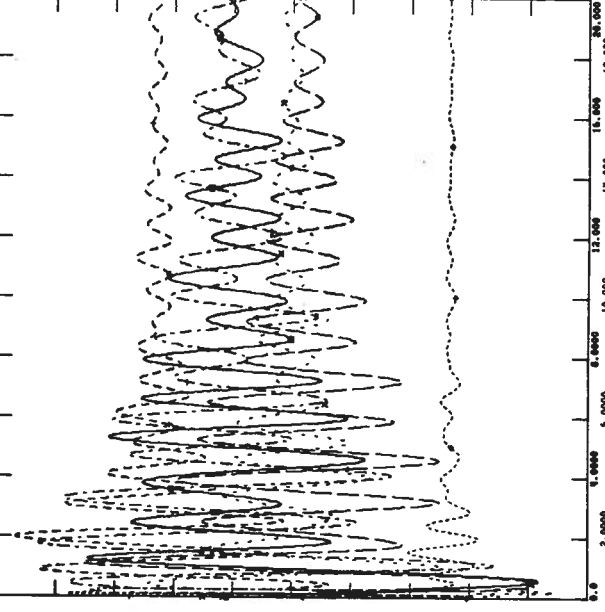
EXTERNAL ROTOR ANGLES



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT32
 CHNL = 2421 CEN-ERST.MV

2000.0	CHNL = 2421 CEN-ERST.MV	1000.0
1700.0	CHNL = 2411 CEN-ERST.MV	700.00
2000.0	CHNL = 2401 CEN-ERST.MV	1000.0
-1000.0	CHNL = 2371 CEN-NYPP.MV	-2000.0
0.0	CHNL = 2451 CEN-NYPP.MV	-1000.0
2700.0	CHNL = 2451 CEN-NYPP.MV	1700.0



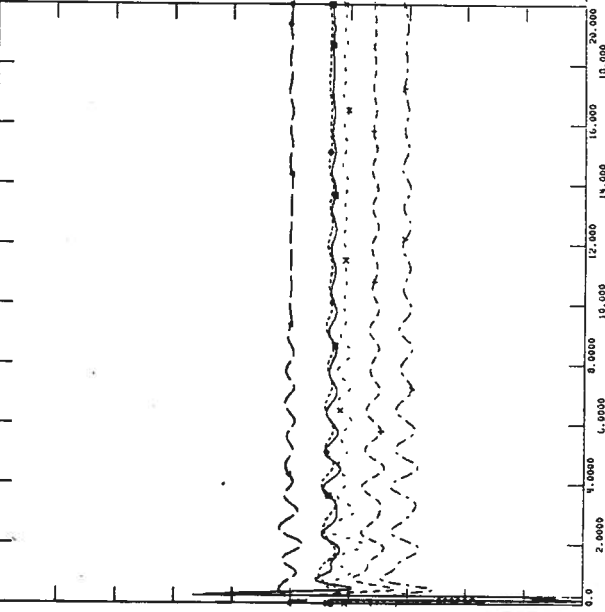
INTERFACE FLOWS (MW)



CE10 SLG/STK0MARC345/MARCY-N.SCOT UNS18/STK0MARC345
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK 0/S

FILE: SRIJM>CHAN.BIN.FLT32
 CHNL = 1001 CV-MARCY7J

1.3000	CHNL = 1001 CV-MARCY7J	0.8000
1.3000	CHNL = 1321 CV-ROCK 345J	0.8100
1.3000	CHNL = 1301 CV-MASSENAJ	0.8200
1.3000	CHNL = 1801 CV-N.SCOT3J	0.8300
1.3000	CHNL = 1261 CHT0-0825.VJ	0.8400
1.3000	CHNL = 1511 CHT0-0825.VJ	0.8500

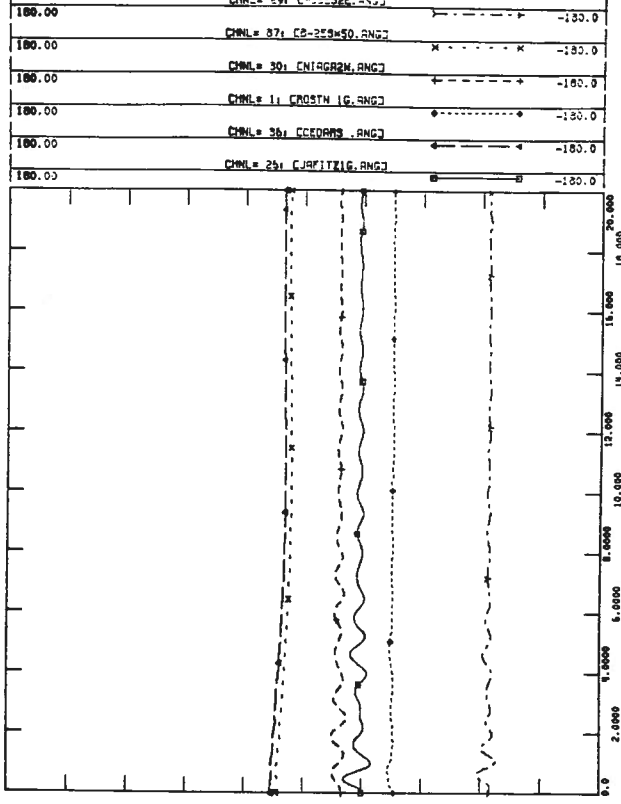


SYSTEM VOLTAGES



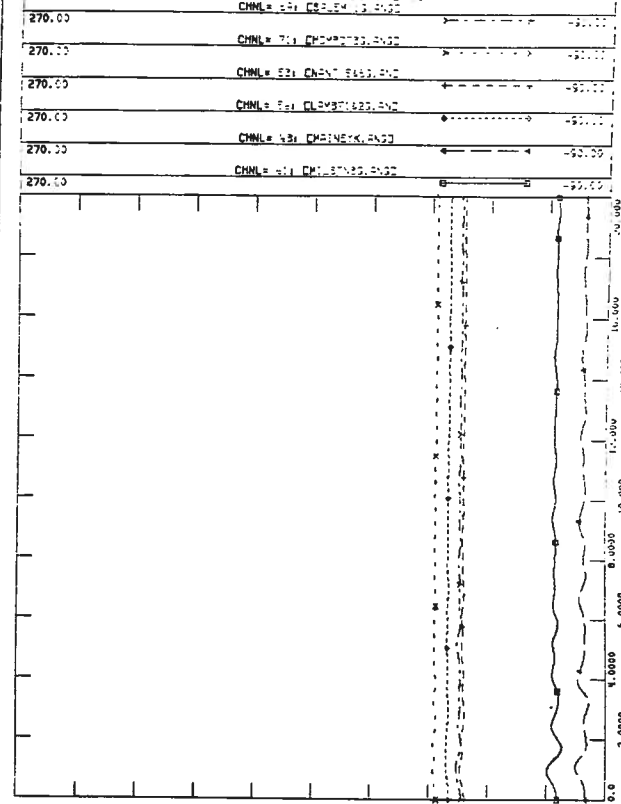
CE23AR LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT@-1000 L33/34P 450 TO CH MS@-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-AR@NDACK O/S

FILE: SA1JM>CHAN.BIN.FLT33
 CHN# 29: CH2322E.ANG2



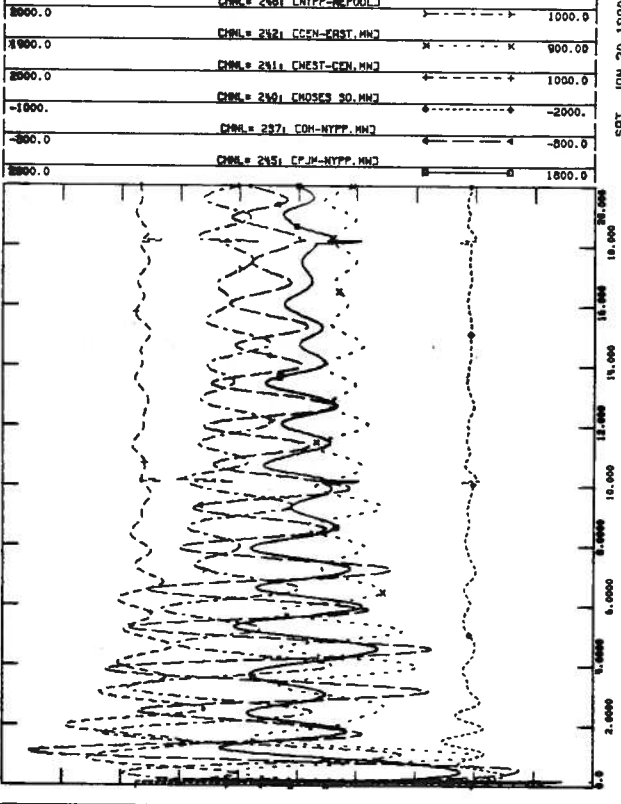
CE23AR LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT@-1000 L33/34P 450 TO CH MS@-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-AR@NDACK O/S

FILE: SA1JM>CHAN.BIN.FLT33
 CHN# 29: CH2322E.ANG2



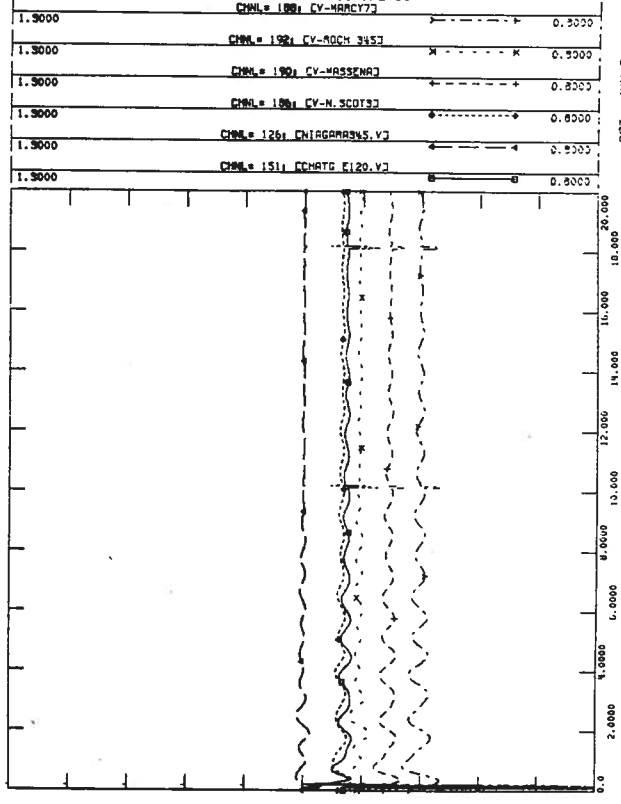
CE23AR LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT@-1000 L33/34P 450 TO CH MS@-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-AR@NDACK O/S

FILE: SA1JM>CHAN.BIN.FLT33
 CHN# 248: CH2322E.NEPOOL2



CE23AR LLG@FRASER ON MARCY-COOPERS/EDIC-FRASER O/C
 88021015 CHT@-1000 L33/34P 450 TO CH MS@-1800
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-AR@NDACK O/S

FILE: SA1JM>CHAN.BIN.FLT33
 CHN# 188: CV-MARCY73

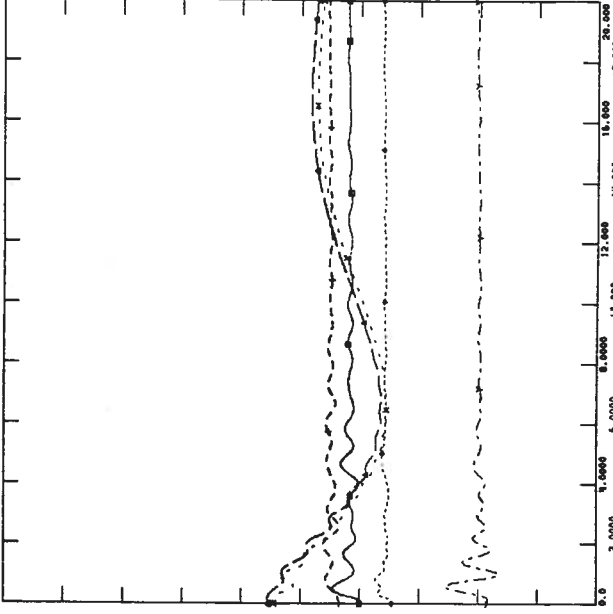




TE33 3P-NEW SCOTLAND - 99 BUS FAULT
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT34
 CHNL= 291 CMISS32F.ANG2

180.00	CHNL= 271 E3-253H50.ANG2	-180.0
180.00	CHNL= 201 CNIACR2M.ANG2	-180.0
180.00	CHNL= 11 CROSTN 1G.ANG2	-180.0
180.00	CHNL= 261 CSECRAS .ANG2	-180.0
180.00	CHNL= 251 CJRFTTZ1G.ANG2	-180.0



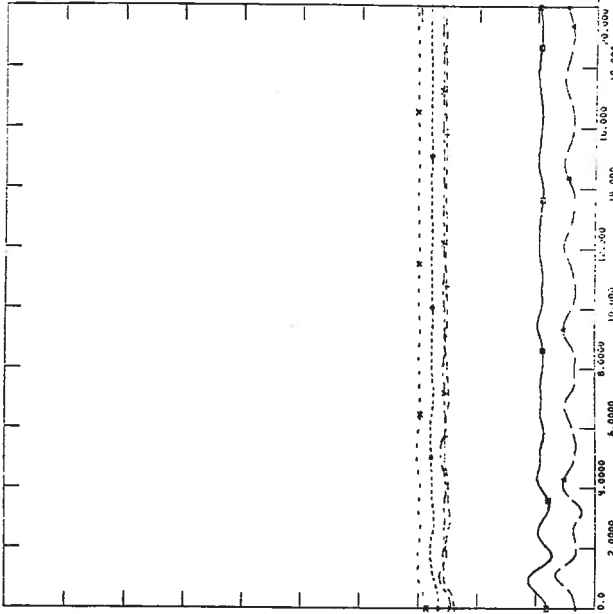
SAT. JUN 20 1990 23:17
 NYPP ROTOR ANGLES



TE33 3P-NEW SCOTLAND - 99 BUS FAULT
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT34
 CHNL= 291 CMISS32F.ANG2

270.00	CHNL= 271 CCHM32F.ANG2	-270.00
270.00	CHNL= 231 CCHM7 5162.ANG2	-270.00
270.00	CHNL= 541 CLEMB71229.ANG2	-270.00
270.00	CHNL= 431 CCHM5K.ANG2	-270.00
270.00	CHNL= 411 CCHM5N23.ANG2	-270.00



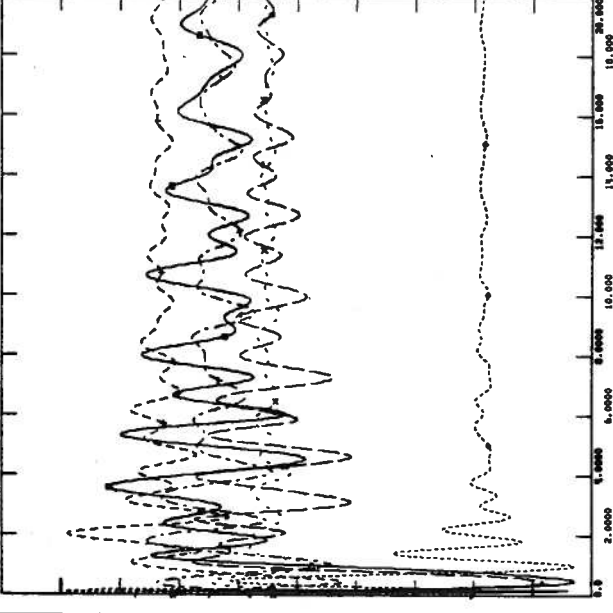
SAT. JUN 20 1990 23:17
 EXTERNAL ROTOR ANGLES



TE33 3P-NEW SCOTLAND - 99 BUS FAULT
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT34
 CHNL= 2491 CNYPP-MKPOCL2

8500.0	CHNL= 2491 CEN-EAST.MHD	0.0
8500.0	CHNL= 2411 CNEST-CEN.MHD	0.0
8500.0	CHNL= 2501 CMOS35 50.MHD	1000.0
-1800.0	CHNL= 2571 COH-NYPP.MHD	-2000.0
-180.0	CHNL= 2451 CPJM-NYPP.MHD	-1100.0
8500.0		1600.0



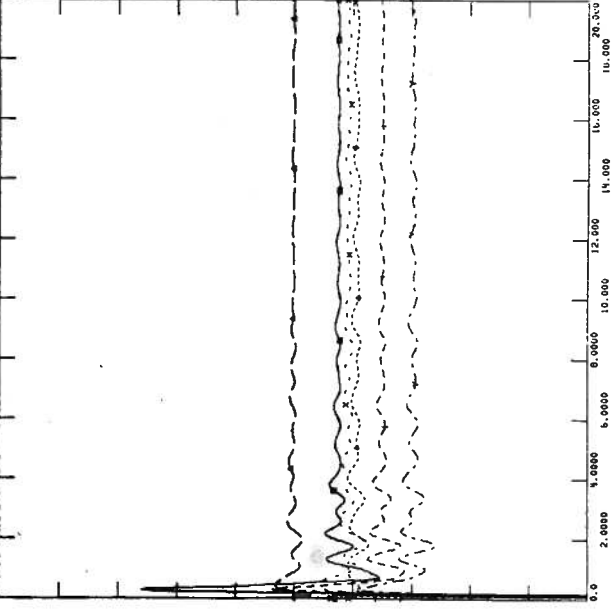
SAT. JUN 20 1990 23:15
 INTERFACE FLOWS (MW)



TE33 3P-NEW SCOTLAND - 99 BUS FAULT
 88021015 CMT#-1000 L33/34P 450 TO OH M50-1900
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-RODRONACK O/S

FILE: SAIJM>CHAN.BIN.FLT34
 CHNL= 1891 CV-MRAC72

1.9000	CHNL= 1321 CV-ROCH 3457	0.8000
1.9000	CHNL= 1891 CV-MRAC72	0.8000
1.9000	CHNL= 1891 CV-MRAC72	0.8000
1.9000	CHNL= 1251 CNIACR34S.V7	0.8000
1.9000	CHNL= 1511 CCHM7G 1120.V7	0.8000

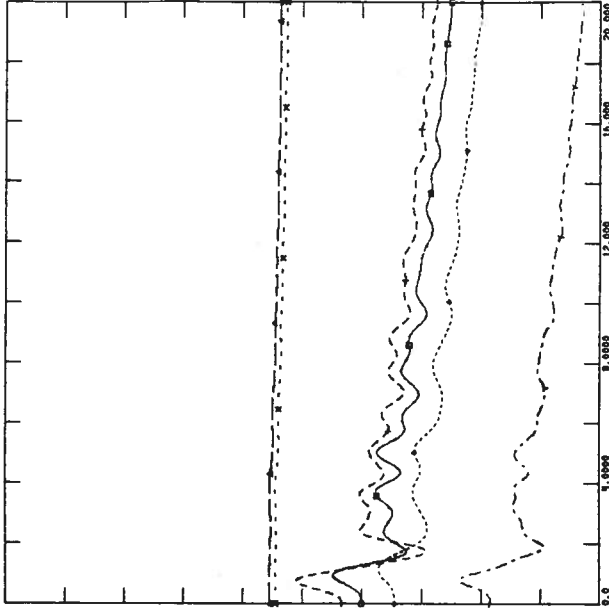


SAT. JUN 20 1990 23:15
 SYSTEM VOLTAGES

DH141 3PH-NC-HILTON/M570V MILTON * CLAIRVILLE W/REJ-100P
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK D/S

FILE: SRIJMPCHAN.BIN.FLT35
 CHNL = 29: C3-253M50.ANG3

180.00	CHNL = 29: C3-253M50.ANG3	-180.0
180.00	CHNL = 30: CNIAG02H.ANG3	-180.0
180.00	CHNL = 11: CROSTN 16.ANG3	-180.0
180.00	CHNL = 35: CCE0ARS .ANG3	-180.0
180.00	CHNL = 25: CUSRT1716.ANG3	-180.0

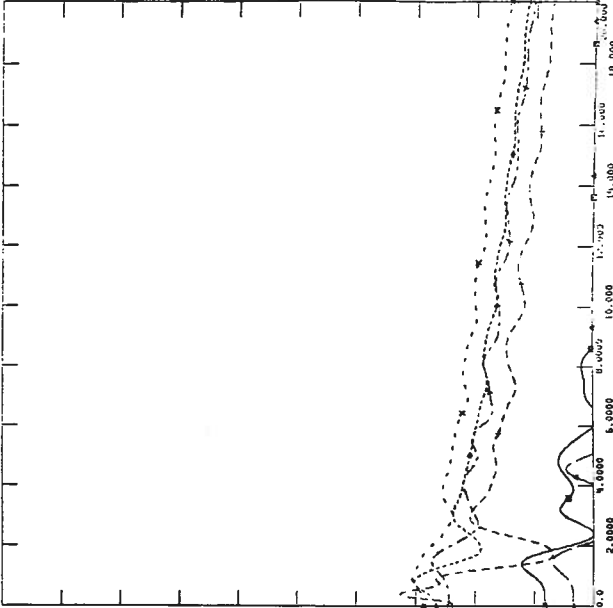


NYPP ROTOR ANGLES

DH141 3PH-NC-HILTON/M570V MILTON * CLAIRVILLE W/REJ-100P
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK D/S

FILE: SRIJMPCHAN.BIN.FLT35
 CHNL = 29: C3-253M50.ANG3

270.00	CHNL = 29: C3-253M50.ANG3	-90.000
270.00	CHNL = 71: CMCVPT023.ANG3	-90.000
270.00	CHNL = 59: CMCNT 5553.ANG3	-90.000
270.00	CHNL = 58: CLEW51423.ANG3	-90.000
270.00	CHNL = 43: CPM3N6K.ANG3	-90.000
270.00	CHNL = 41: CMI 51022.ANG3	-90.000

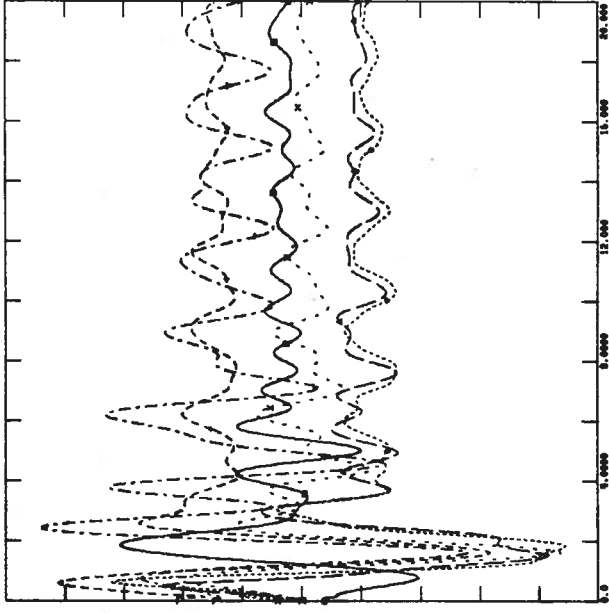


EXTERNAL ROTOR ANGLES

DH141 3PH-NC-HILTON/M570V MILTON * CLAIRVILLE W/REJ-100P
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK D/S

FILE: SRIJMPCHAN.BIN.FLT35
 CHNL = 248: CNYPP-NEPOOL3

2500.0	CHNL = 248: CNYPP-NEPOOL3	0.0
2500.0	CHNL = 242: CEN-EAST.MMO3	0.0
2500.0	CHNL = 241: CWEST-CEN.MMO3	0.0
-1800.0	CHNL = 240: CM0SES 30.MMO3	-2500.0
2000.0	CHNL = 237: COH-NYPP.MMO3	-3000.0
9000.0	CHNL = 245: CPJM-NYPP.MMO3	0.0

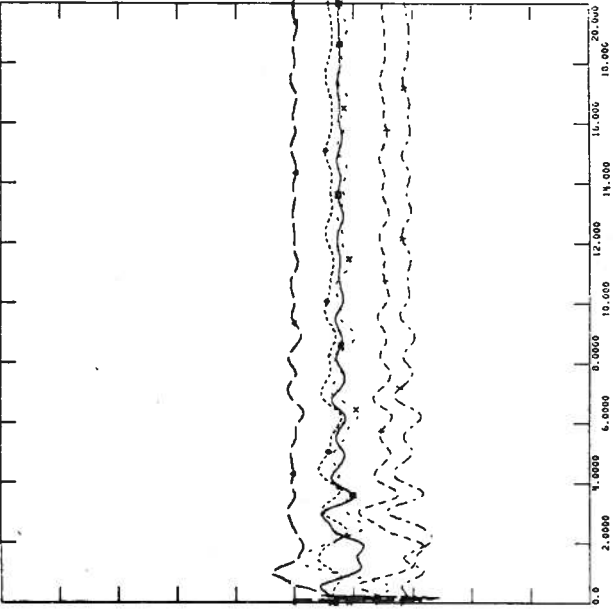


INTERFACE FLOWS (MM)

DH141 3PH-NC-HILTON/M570V MILTON * CLAIRVILLE W/REJ-100P
 88021015 CHT0-1000 L33/34P 450 TO OH M50-1300
 NYPP MOSES NORTH TRANSIENT STABILITY MAINTENANCE ANALYSIS
 MOSES-ADRONDRACK D/S

FILE: SRIJMPCHAN.BIN.FLT35
 CHNL = 180: CV-MARCV73

1.9000	CHNL = 180: CV-MARCV73	0.8500
1.9000	CHNL = 192: CV-ROCH 3453	0.8500
1.9000	CHNL = 190: CV-MASSEHND	0.8500
1.9000	CHNL = 186: CV-N 300733	0.8500
1.9000	CHNL = 125: CNIAG02H.V3	0.8500
1.9000	CHNL = 151: CCHATS E120.V3	0.8500



SYSTEM VOLTAGES