

Appendix E

Light Load Load Flow and Quick View

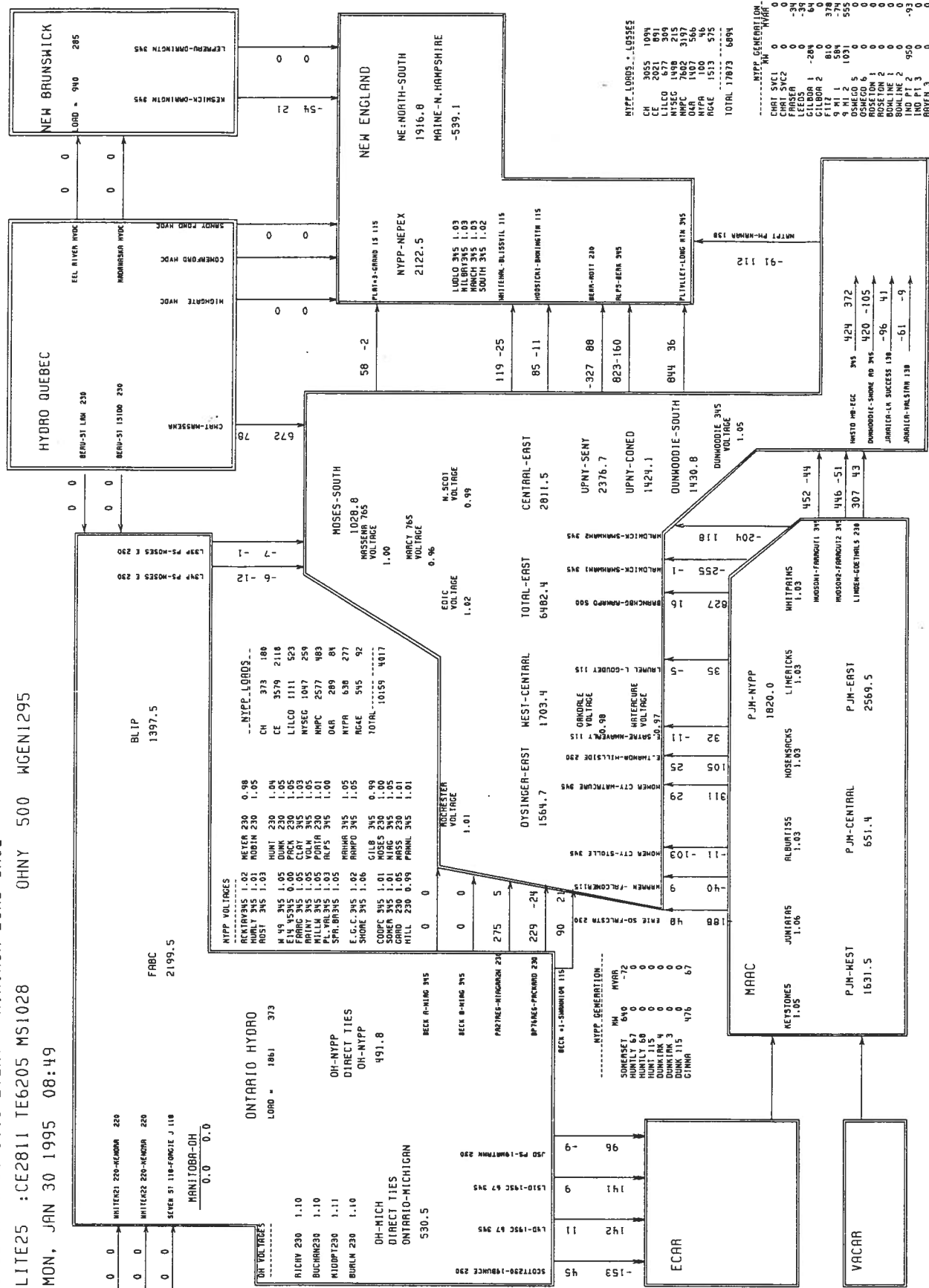
Contents Load Flow Summaries

	CE	OHNY	WGEN	PAGE
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Lite25	2811	500	1295	E-1
Lite93	2816	-157	2197	E-5

Contents

	# OF Nia. Units Rejected			PAGE
	0	3	4	-----
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Lite25	WC15			E-9
Lite93	WC15		WC154	E-10

CASE : MAY 30 1993	EVENT	MINIMUM LOAD	CASE
LITE25 : CE2811	TE6205	MS1028	OHNY 500 WGEN1295
MON, JAN 30 1995 08:49			



F-2

CASE :MAY 30 1993 EVENT MINIMUM LOAD CASE
LITE25 :CE2811 TR6205 MS1028 OHNY 500 WGEN1295

STATION VOLTAGES

N.SCOT77 345 = 339.9	LEEDS 3 345 = 345.2	MARCY T1 345 = 354.0
MARCY765 765 = 731.5	MASS 765 765 = 763.9	EDIC 345 = 352.7
ROCH 345 345 = 349.9	PANNELL3 345 = 349.6	VOLNEY 345 = 361.1
PLTVLLEY 345 = 353.8	RAMAP345 345 = 360.7	FRASR345 345 = 343.2
OAKDL345 345 = 337.2	COOPC345 345 = 347.6	WATRC345 345 = 334.1
NIAG 345 345 = 353.1	OAKDL230 230 = 221.1	OAKDL115 115 = 111.4
MEYER230 230 = 226.2	MEYER115 115 = 120.1	E.NOR115 115 = 112.0
NIAGAR2E 230 = 240.5	NIAGAR2W 230 = 240.5	NIAG115E 115 = 122.3
NIAG115W 115 = 124.8	DUNKIRK 230 = 241.7	GARDV230 230 = 241.2
ALBANY 115 = 115.0	MOS 115 115 = 115.7	ROTT 115 115 = 115.5

GENERATOR/SVC QUANTITIES

GENERATION	MW	MVAR	GENERATION	MW	MVAR
GILBOA#117.0	-284.0	63.6	GILBOA#217.0	0.0	0.0
GILBOA#317.0	-278.0	70.0	GILBOA#417.0	-285.0	70.0
9M PT 1G23.0	584.1	-73.8	9M PT 2G25.0	1031.0	555.2
OSWGO 5G22.0	0.0	0.0	OSWGO 6G22.0	0.0	0.0
JAFITZ1G24.0	810.0	377.8	ROSE GN124.0	0.0	0.0
ROSE GN224.0	0.0	0.0	IND PT 222.0	950.0	-93.0
RAV 3 22.0	0.0	0.0	KINTIG2424.0	640.0	-72.1
BOWLINE 20.0	0.0	0.0	BOWLIN2020.0	0.0	0.0
POLETTI 26.0	188.9	-25.1	IP#3 GEN22.0	0.0	0.0
GINNA 1919.0	476.3	66.7	FRA S345 345	0.0	-33.8
LEEDS 3 345	0.0	-39.2	NIAG. 8 13.8	100.0	-13.9

GENERATOR COMPLEX REPORT

NAME	MW	MVAR	# UNITS
OSWEGO-GENERATI	2425.1	859.2	3
NIAGARA-GENERAT	1300.0	266.5	13
ST.LAWRENCE-GEN	912.0	-109.4	16
GILBOA-GENERATI	-847.0	203.6	3
HUNTLEY-GENERAT	0.0	0.0	0
DUNKIRK-GENERAT	0.0	0.0	0
ROSETON-GENERAT	0.0	0.0	0
ALBANY-STEAM-GE	0.0	0.0	0
HOMER-CITY-GENE	779.0	-244.1	3
BEARSWAMP-GENER	-283.0	100.0	1

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1564.7	-31.2	WEST-CENTRAL	1703.4	-128.4
VOLNEY EAST	4019.3	-303.3	MOSES-SOUTH	1028.8	-5.5
CENTRAL-EAST	2811.5	-577.9	UPNY-SENY	2376.7	-673.2
UPNY-CONED	1424.1	-489.8	DUNWOODIE-SOUTH	1430.8	-957.3
NYPP-NEPEX	2122.5	-62.6	OH-NYPP	491.8	-33.0
ROSEMT-NMPC	63.4	92.3	BEAUHARNIOS-NYPP	678.9	149.3
HQ -> OH	0.0	0.0	WESTERN EXPORT	1295.9	41.6
TOTAL-EAST	6205.5	-720.0	PJM-NYPP	1543.0	27.6
FEFABC	1159.3	12.6	FSFABC	1040.3	-328.5
FABC	2199.5	-315.9	ONTARIO-MICHIGAN	530.5	-32.1

SHUNT REPORT

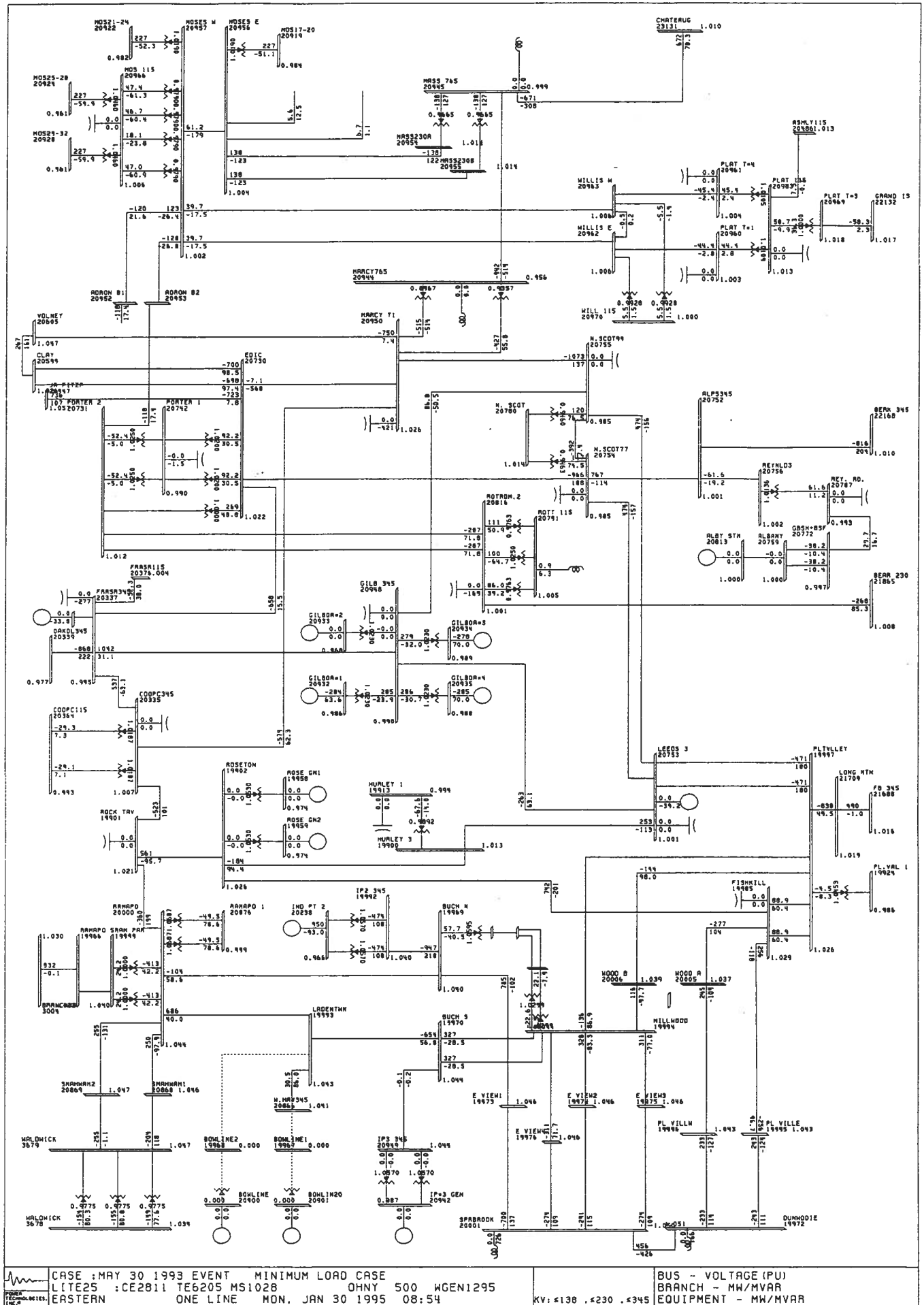
MARCY T1 345 = 400.	N.SCOT77 345 = 0.	LEEDS 3 345 = 0.
MOS 115 115 = 0.	PORTER 1 115 = 2.	MARCY765 765 = 0.
MASS 765 765 = 0.	FRASR345 345 = 280.	COOPC345 345 = 0.
ROCK TAV 345 = 0.	FISHKILL 345 = 0.	GILB 345 345 = 0.
ROTRDM. 2 230 = 169.	ROCH 345 345 = 0.	PANNELL3 345 = 0.
OAKDL345 345 = 0.	WATRC345 345 = 0.	N.SCOT99 345 = 0.

HVDC LINE FLOW REPORT

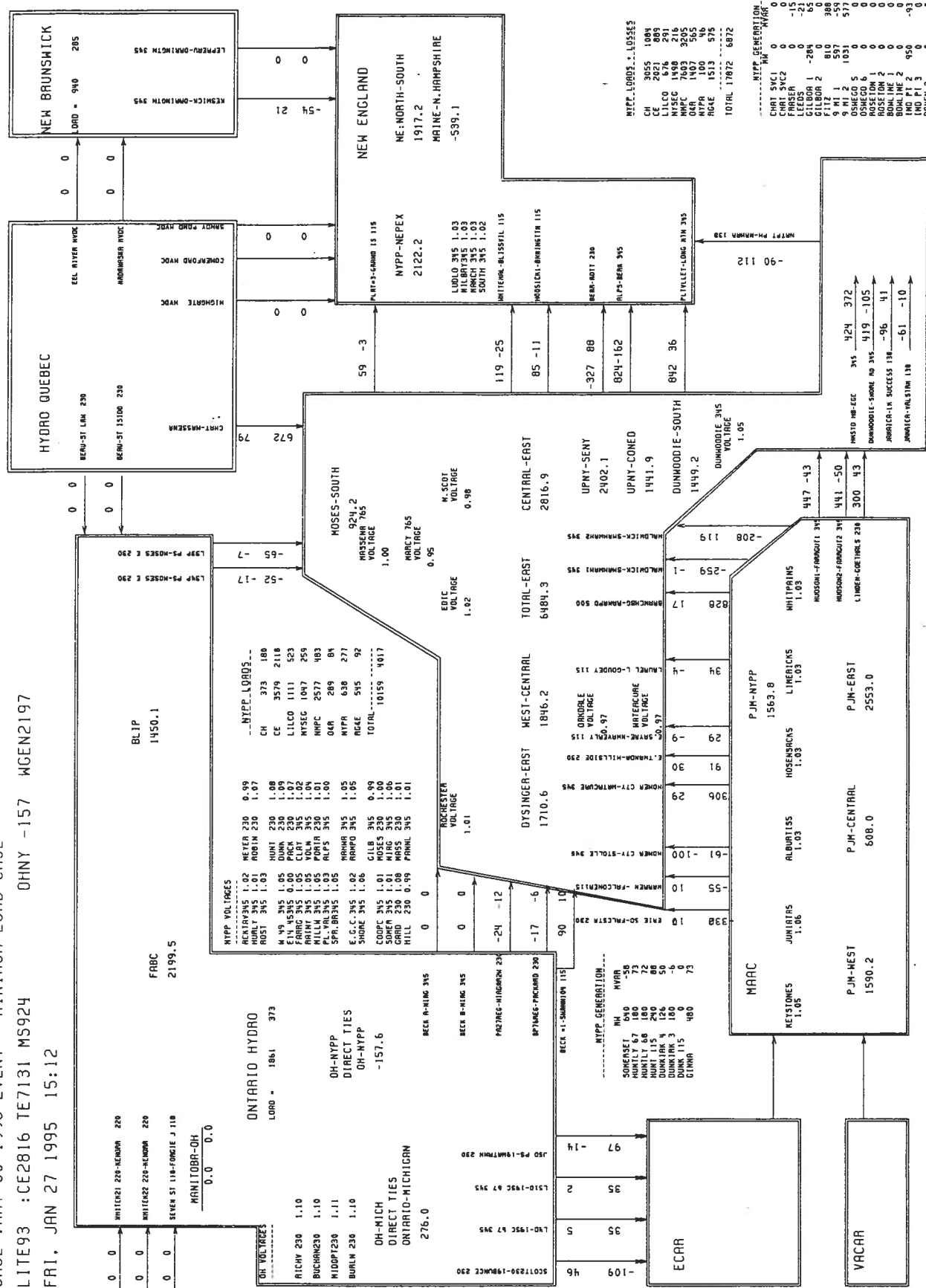
LINE NAME	MDC	MW	MVAR
CHAT GC1 120 ->CHAT GC1 308*	1 0	0.0	0.0
CHAT GC2 308 ->CHAT GC2 120*	2 0	0.0	0.0
HIGHGT31 120 ->HIGHGATE 115*	3 0	0.0	0.0
MAD30827 308 ->MADNER47 345*	4 0	0.0	0.0
BE134A1113.0* ->BELO13 913.0	5 0	0.0	0.0
RAD30858 308 ->SANDY345 345*	8 0	0.0	0.0
RAD30858 308 ->SANDY345 345*	9 0	0.0	0.0

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E-4



CASE : MAY 30 1993 EVENT MINIMUM LOAD CASE
LITE93 : CE2816 TE7131 MS924 OHNY -157 WGEN2197
FRI, JAN 27 1995 15:12



E-6

CASE :MAY 30 1993 EVENT MINIMUM LOAD CASE
LITE93 :CE2816 TE7131 MS924 OHNY -157 WGEN2197

STATION VOLTAGES

N.SCOT77 345 = 339.6	LEEDS 3 345 = 345.2	MARCY T1 345 = 353.2
MARCY765 765 = 730.5	MASS 765 765 = 763.6	EDIC 345 = 351.9
ROCH 345 345 = 348.6	PANNELL3 345 = 348.1	VOLNEY 345 = 360.4
PLTVLLEY 345 = 353.8	RAMAP345 345 = 360.7	FRASR345 345 = 342.9
OAKDL345 345 = 336.3	COOPC345 345 = 347.2	WATRC345 345 = 333.4
NIAG 345 345 = 352.9	OAKDL230 230 = 220.5	OAKDL115 115 = 111.1
MEYER230 230 = 226.8	MEYER115 115 = 120.3	E.WOR115 115 = 111.7
NIAGAR2E 230 = 244.8	NIAGAR2W 230 = 244.8	NIAG115B 115 = 124.6
NIAG115W 115 = 126.5	DUNKIRK 230 = 249.6	GARDV230 230 = 247.7
ALBANY 115 = 114.9	MOS 115 115 = 115.7	ROTT 115 115 = 115.5

GENERATOR/SVC QUANTITIES

GENERATION	MW	MVAR	GENERATION	MW	MVAR
GILBOA#117.0	-284.0	65.0	GILBOA#217.0	0.0	0.0
GILBOA#317.0	-278.0	70.0	GILBOA#417.0	-285.0	70.0
9W PT 1G23.0	597.3	-59.3	9W PT 2G25.0	1031.0	577.4
OSWGO 5G22.0	0.0	0.0	OSWGO 6G22.0	0.0	0.0
JAPITZIG24.0	810.0	387.8	ROSE GN124.0	0.0	0.0
ROSE GN224.0	0.0	0.0	IND PT 222.0	950.0	-92.7
RAV 3 22.0	0.0	0.0	KINTIG2424.0	640.0	-58.2
BOWLINE 20.0	0.0	0.0	BOWLIN2020.0	0.0	0.0
POLETTI 26.0	186.6	-25.2	IP#3 GEN22.0	0.0	0.0
GINNA 1919.0	479.5	72.6	FRA S345 345	0.0	-14.9
LEEDS 3 345	0.0	-20.6	NIAG. 8 13.8	100.0	-25.0

GENERATOR COMPLEX REPORT

NAME	MW	MVAR	# UNITS
OSWEGO-GENERATI	2438.3	905.9	3
NIAGARA-GENERAT	1300.0	140.9	13
ST. LAWRENCE-GEN	912.0	-103.9	16
GILBOA-GENERATI	-847.0	205.0	3
HUNTLEY-GENERAT	360.0	144.8	4
DUNKIRK-GENERAT	306.0	43.8	4
ROSETON-GENERAT	0.0	0.0	0
ALBANY-STEAM-GE	0.0	0.0	0
HOWER-CITY-GENE	779.0	-244.7	3
BEARSWAMP-GENER	-283.0	100.0	1

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1710.6	19.6	WEST-CENTRAL	1846.2	-94.6
VOLNEY-EAST	4147.8	-346.8	MOSES-SOUTH	924.2	-4.3
CENTRAL-EAST	2816.9	-595.0	UPNY-SENY	2402.1	-678.7
UPNY-CONED	1441.9	-495.1	DUNWOODIE-SOUTH	1449.2	-961.5
NYPP-NPEK	2122.2	-65.9	OH-NYPP	-157.6	-42.1
ROSEMT-NMPC	63.4	93.6	BEAUHARNIOS-NYPP	678.9	150.6
HQ->OH	0.0	0.0	WESTERN EXPORT	2197.9	106.3
TOTAL-EAST	7131.6	-680.0	PJM-NYPP	2211.1	79.4
FEFABC	1181.1	23.8	FSFABC	1018.5	-317.0
FABC	2199.5	-293.2	ONTARIO-MICHIGAN	276.0	-49.7

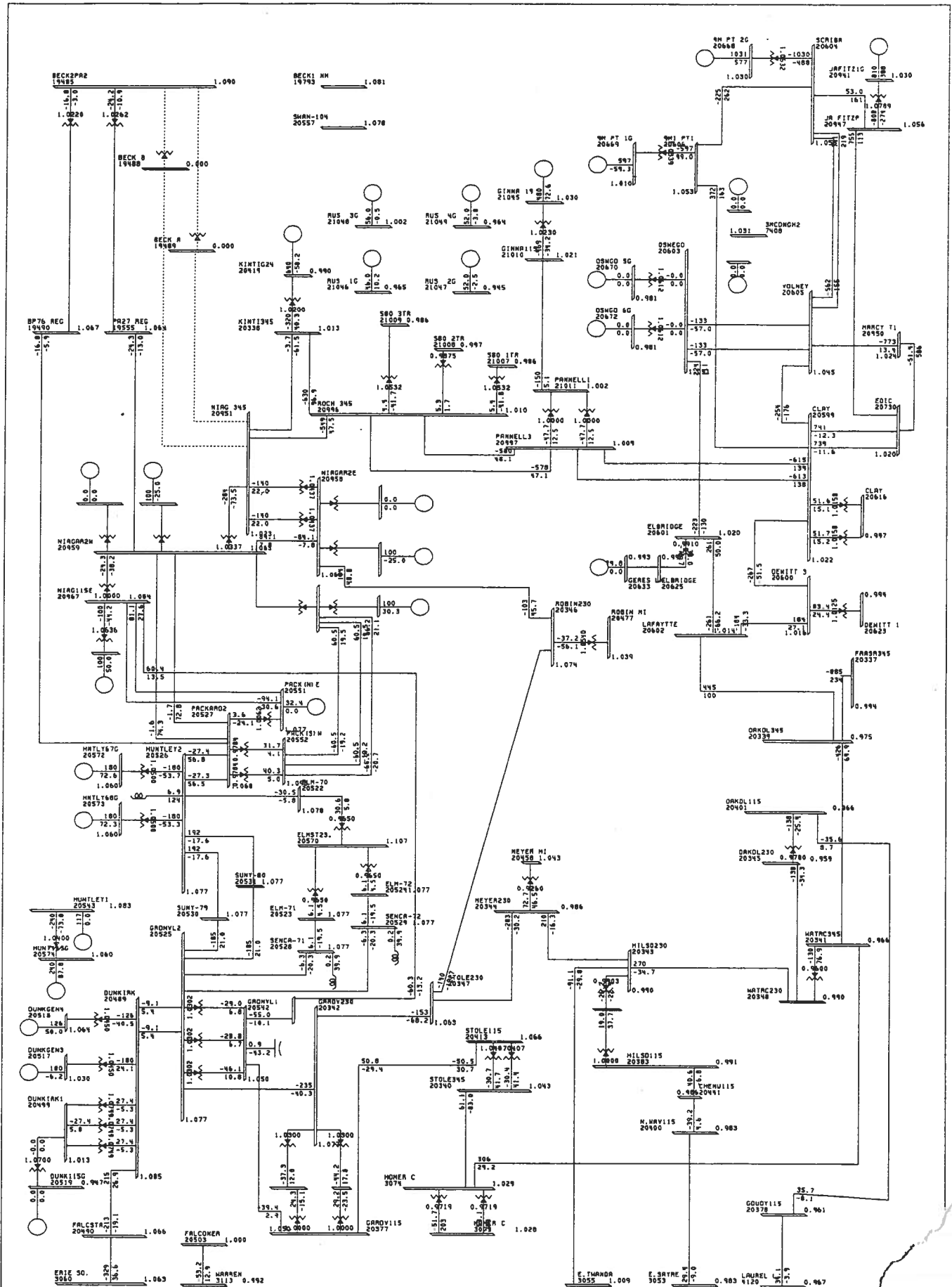
SHUNT REPORT

MARCY T1 345 = 400.	N.SCOT77 345 = 0.	LEEDS 3 345 = 0.
MOS 115 115 = 0.	PORTER 1 115 = 2.	MARCY765 765 = 0.
MASS 765 765 = 0.	FRASR345 345 = 280.	COOPC345 345 = 0.
ROCK TAV 345 = 0.	FISHKILL 345 = 0.	GILB 345 345 = 0.
ROTRDM.2 230 = 169.	ROCH 345 345 = 0.	PANNELL3 345 = 0.
OAKDL345 345 = 0.	WATRC345 345 = 0.	N.SCOT99 345 = 0.

HVDC LINE FLOW REPORT

LINE NAME	MDC	MW	MVAR
CHAT GC1 120 ->CHAT GC1 308*	1 0	0.0	0.0
CHAT GC2 308 ->CHAT GC2 120*	2 0	0.0	0.0
HIGHGT31 120 ->HIGHGATE 115*	3 0	0.0	0.0
MAD30827 308 ->MADNBR47 345*	4 0	0.0	0.0
EEL34A3113.0* ->EEL013 913.0	5 0	0.0	0.0
RAD30858 308 ->SANDY345 345*	8 0	0.0	0.0
RAD30858 308 ->SANDY345 345*	9 0	0.0	0.0

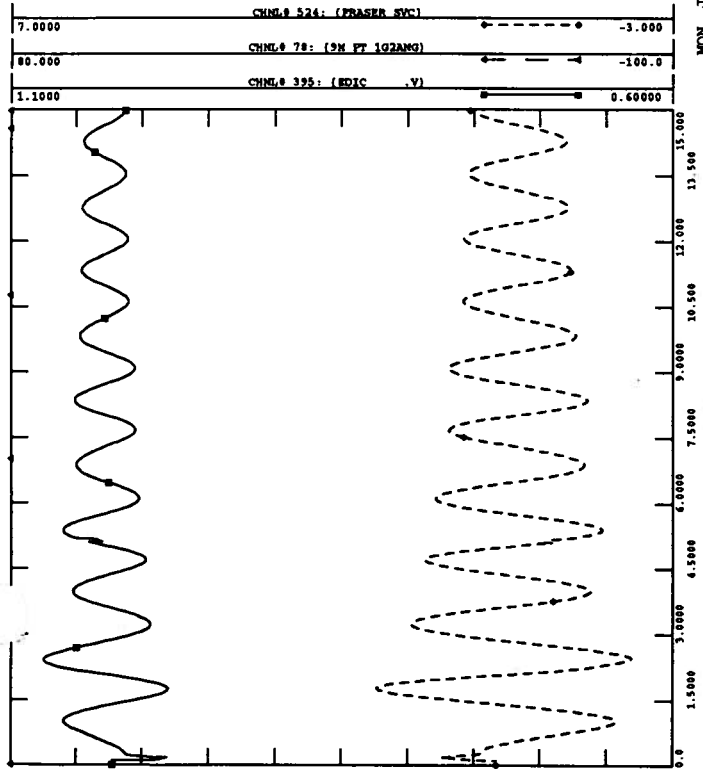
E-7





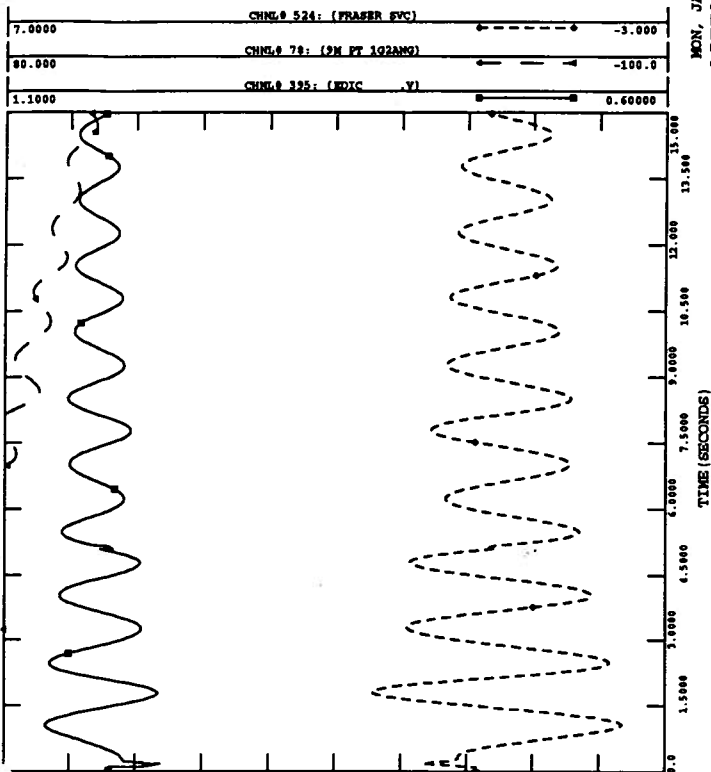
CASE :MAY30 1993 EVENT MINIMUM LOAD CASE
 LITE25 :CE2811 TE6205 WS1028 OHNY 500 WGEN1295
 NYPP STABILITY ANALYSIS WITH PA301 & PA302 OUT OF SERVICE
 PEAK CENTRAL EAST = 2800 VARIOUS OH AND WESTERN GEN
 FILE: OSRRT>CHAN.BIN.FLT47

MON, JAN 30 1995 11:47
 LITE 25 NO REJECTION





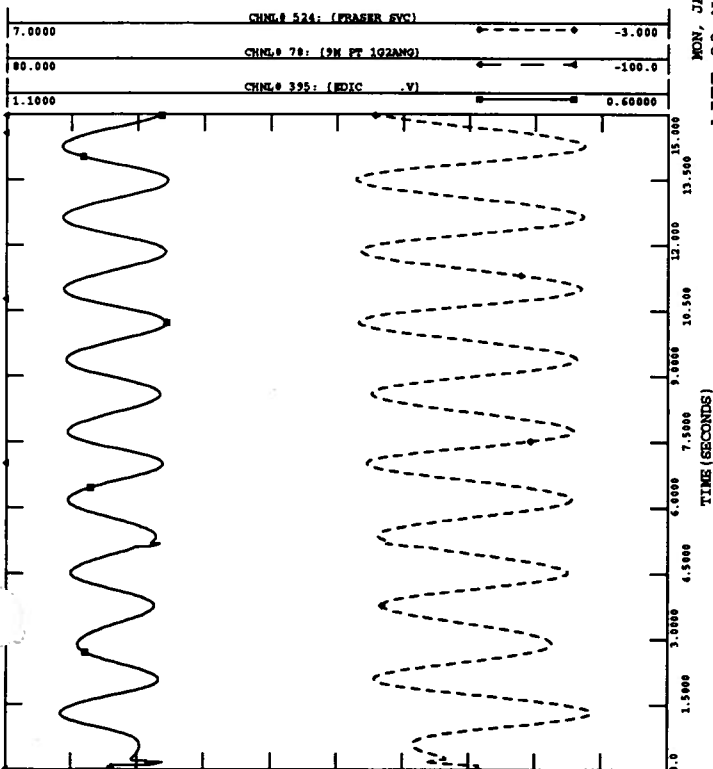
CASE : MAY30 1993 EVENT MINIMUM LOAD CASE
 LITE93 : CE2811 TE6205 MS1028 OHNY 500 WGEN1295
 NYPP STABILITY ANALYSIS WITH PA301 & PA302 OUT OF SERVICE
 PEAK CENTRAL EAST = 2800 VARIOUS OH AND WESTERN GEN
 FILE: OSRRT>CHAN.BIN.PLT40



MON, JAN 30 1995 11:49
 LITE93 REJECT 4



CASE : MAY30 1993 EVENT MINIMUM LOAD CASE
 LITE93 : CE2811 TE6205 MS1028 OHNY 500 WGEN1295
 NYPP STABILITY ANALYSIS WITH PA301 & PA302 OUT OF SERVICE
 PEAK CENTRAL EAST = 2800 VARIOUS OH AND WESTERN GEN
 FILE: OSRRT>CHAN.BIN.PLT39



MON, JAN 30 1995 11:48
 LITE 93 NO REJECTION

