



TOTAL EAST STABILITY LIMITS ANALYSIS FOR ALL LINES I/S AND OUTAGE CONDITIONS (TE-22) APPENDICES

A Report by the
New York Independent System Operator

April 2022

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Transfer Cases

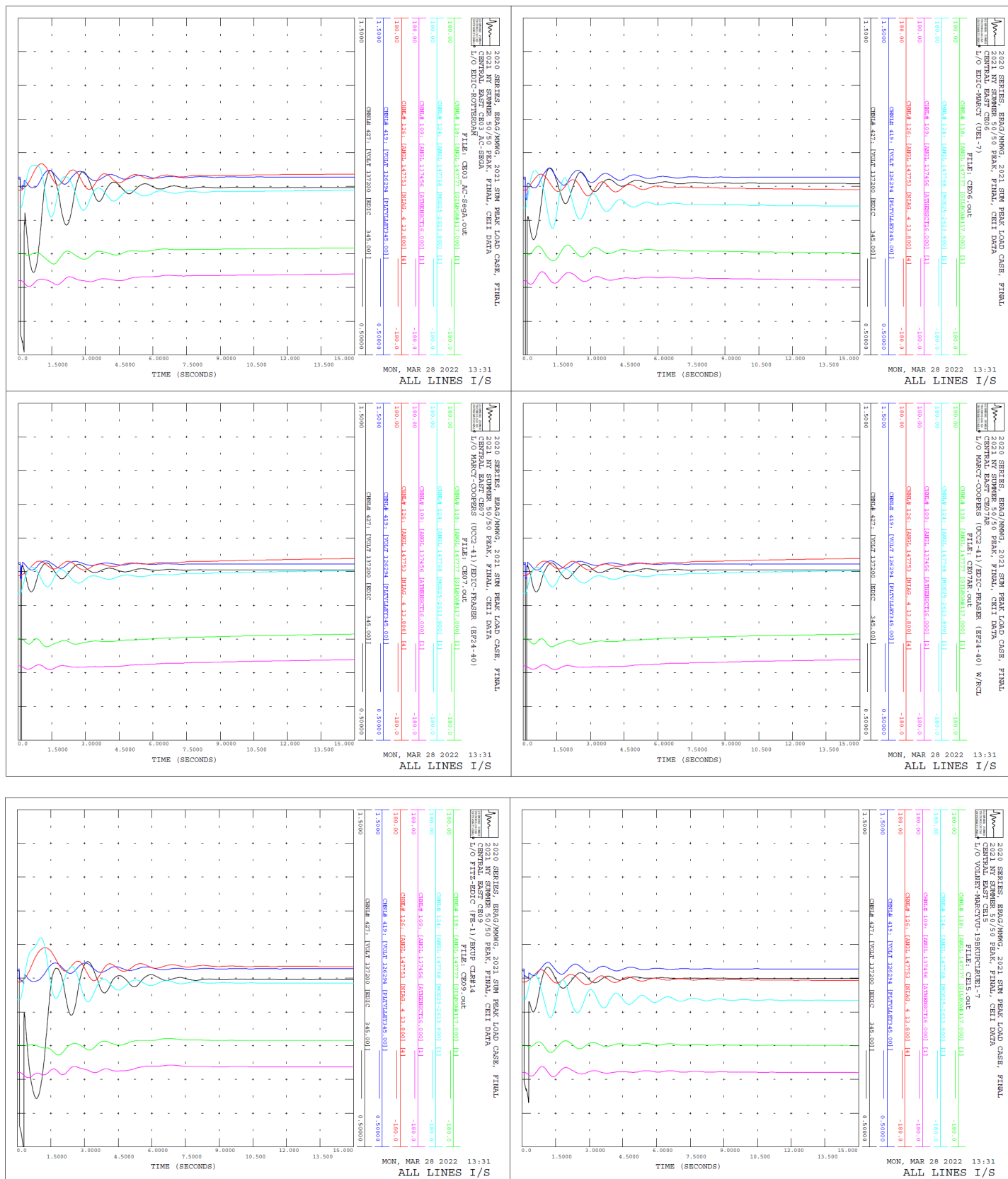
Transfer Cases	
A	TE 6675, Marcy Statcom I/S, Leeds I/S, Fraser I/S, 5018 I/S
B	TE 5780, Marcy Statcom I/S, Leeds I/S, Fraser I/S, 5018 O/S
C	TE 5670, Any SVC/Statcom O/S, 5018 O/S

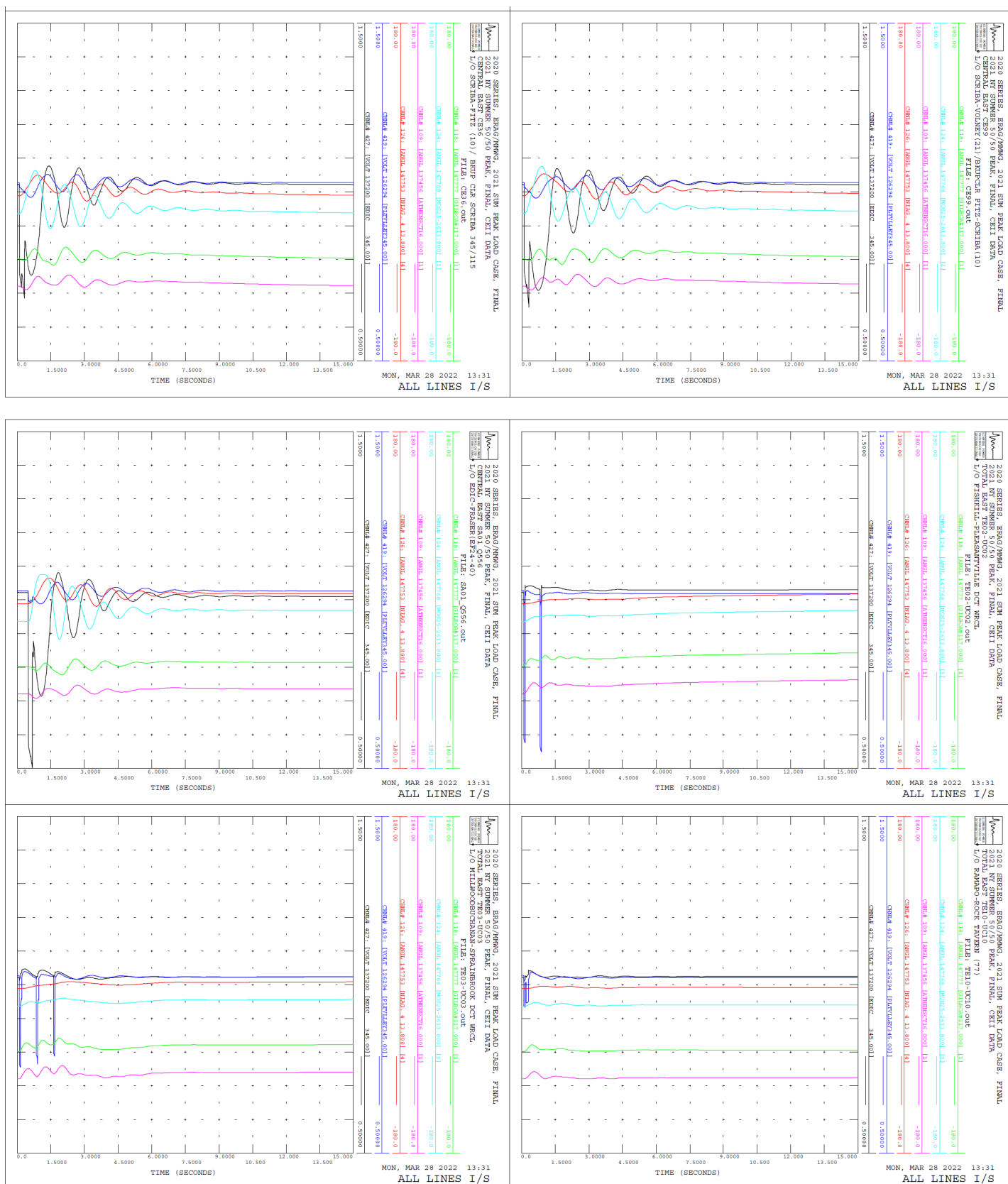
Appendix A: Transfer Case Interface Flow Report/Angle and Voltage Responses for All Lines In Service

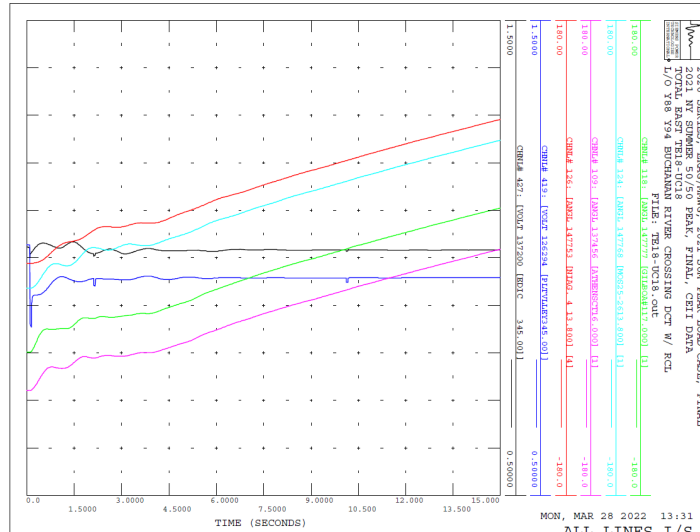
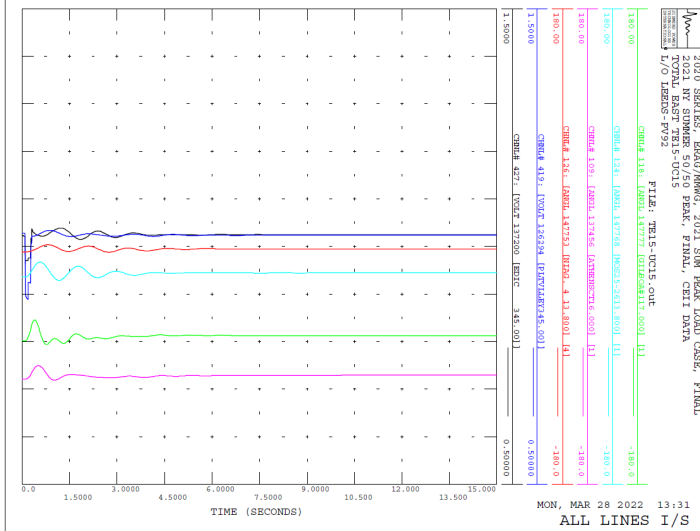
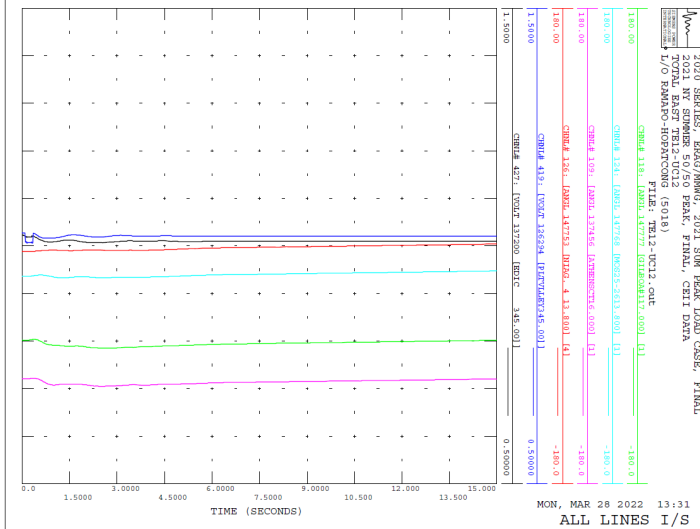
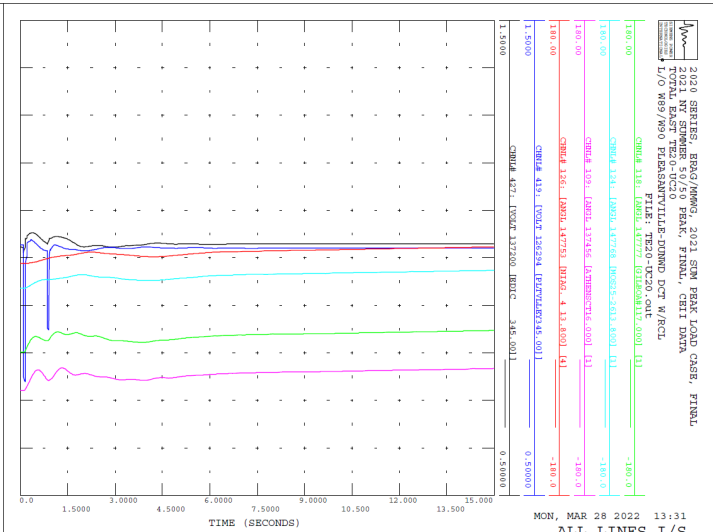
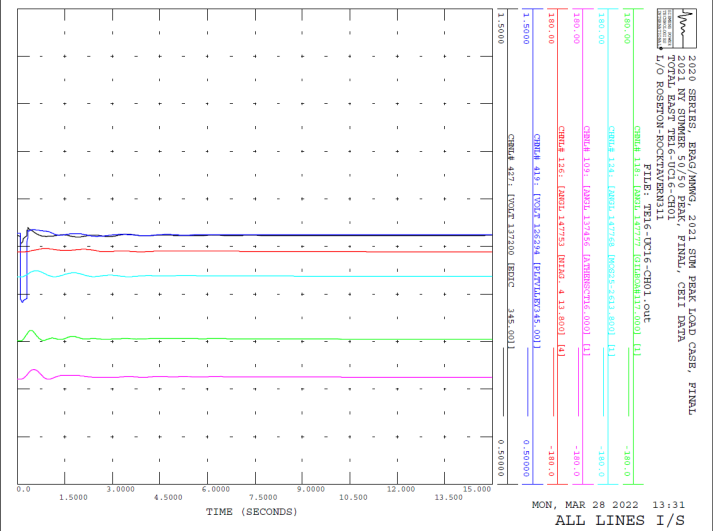
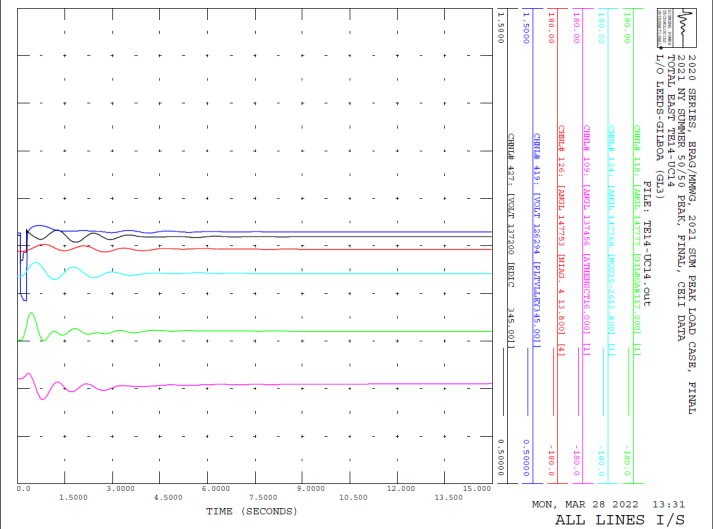
INTERFACE FLOW REPORT

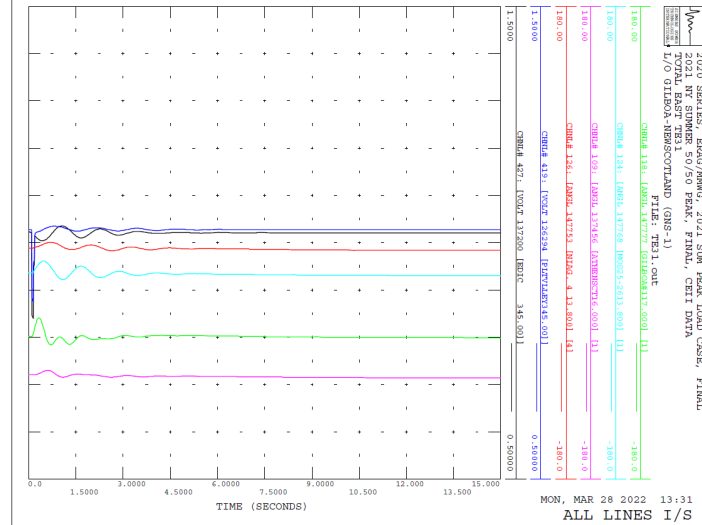
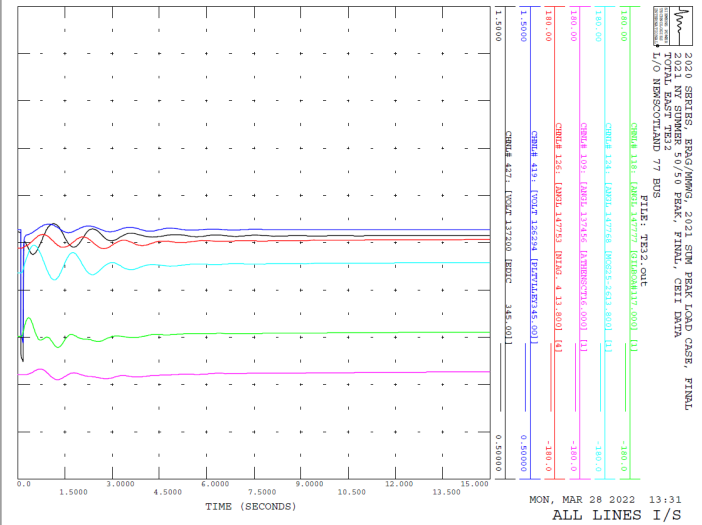
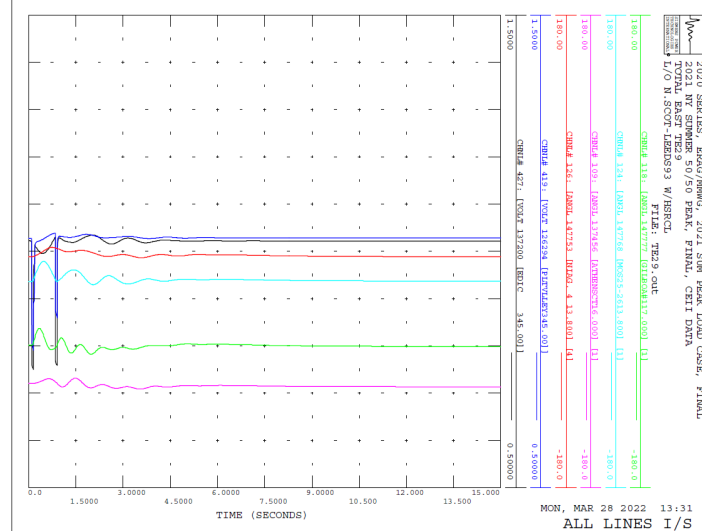
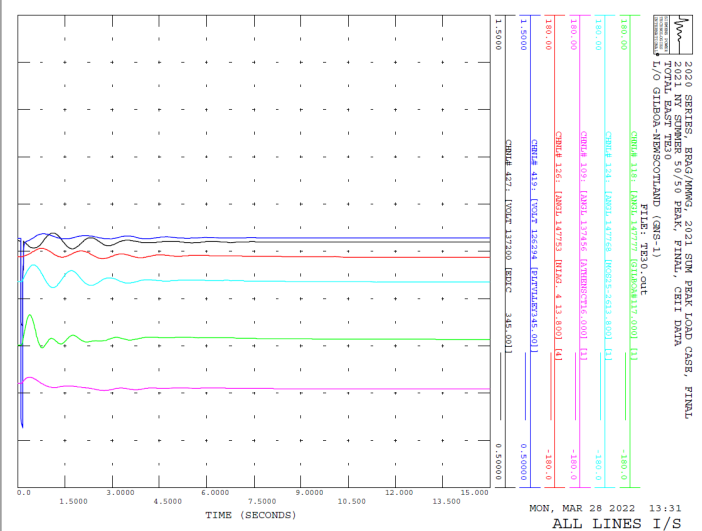
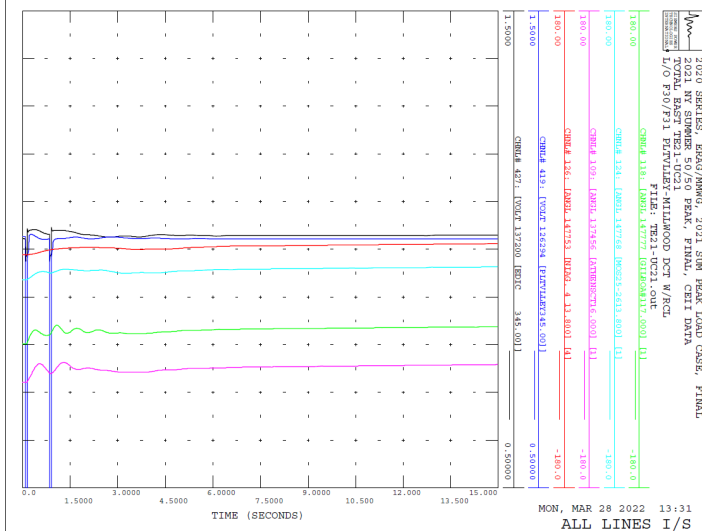
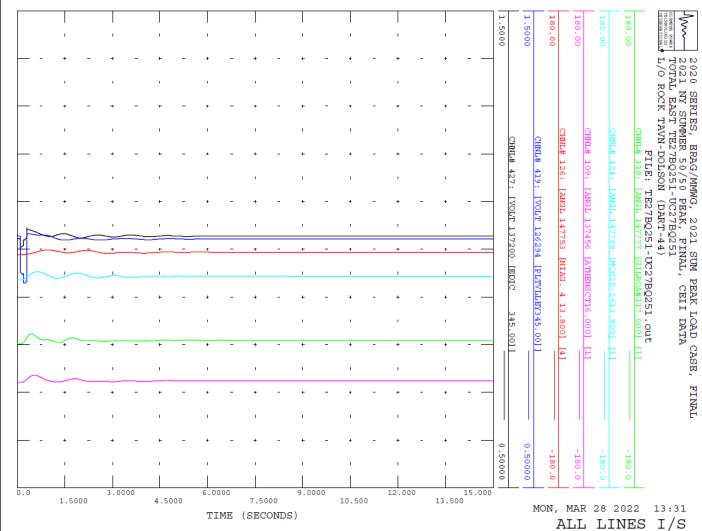
Interface	MW	MVAr	Interface	MW	MVAr
DYSINGER-EAST	2510.5	-220.0	DYSE-CLOSE	6039.9	-444.6
WEST-CENTRAL	1262.2	-2.2	WESTC-CLOSE	4791.5	39.6
VOLNEY-EAST	3582.7	-164.7	VOLNEY-CLOSE	6017.3	-112.9
MOSES-SOUTH	2785.5	336.2	MOSES-CLOSE	2593.7	296.2
CENTRAL-EAST	2877.9	-803.6	TOTAL-EAST	6676.4	-1504.3
UPNY-SENY	6178.5	-9.1	UPNY-SENY-CL	7721.1	-93.3
UPNY-CONED	7473.8	109.8	UPNY-CON-CL	9070.6	-36.3
MILLWOOD-SO	7240.6	-530	LIPA-IMPORT	1738.2	82.5
DNWDIE-SO-PL	5446.1	-1381.7	DNWDIE-SO-PC	7042.9	-1527.7
DNWDIE-SO-OP	4513.5	-1126.5	ABC-JK-PAR	501.2	250.5
SENY-115kV	332.2	-88.3	SENY-F-To-G	3706.8	188.8
PJM-NY	3144.5	-341.6	NE-NY-WCSC	319.1	-3.5
ON-NY	2426.3	605.4	ONT-MICH-PAR	1.4	0.1

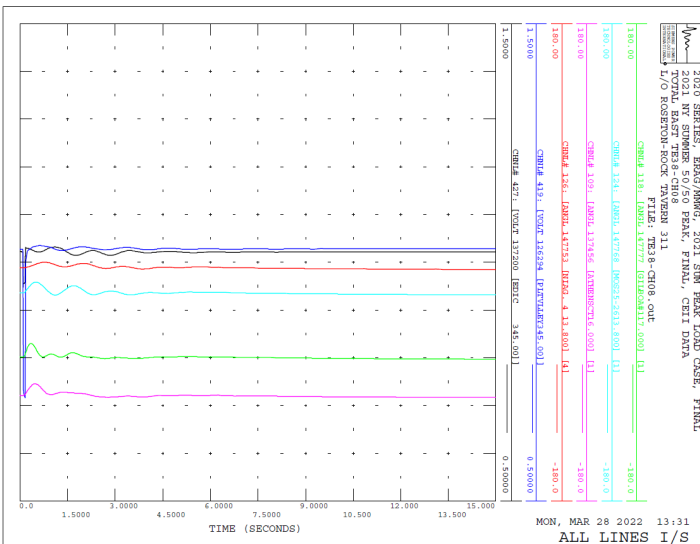
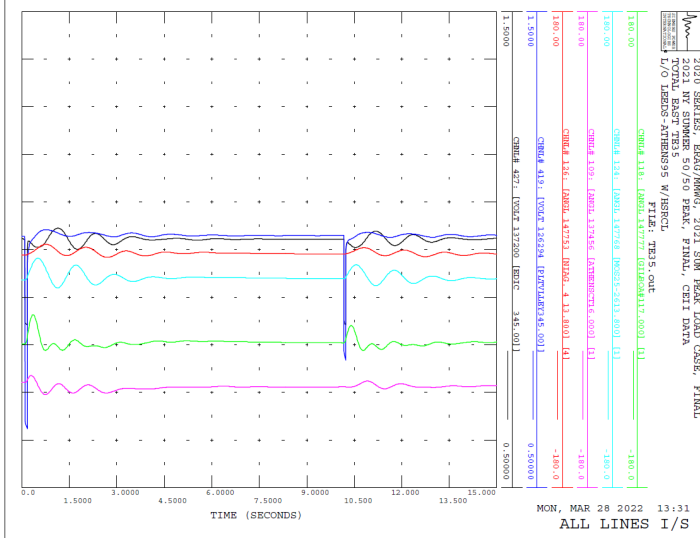
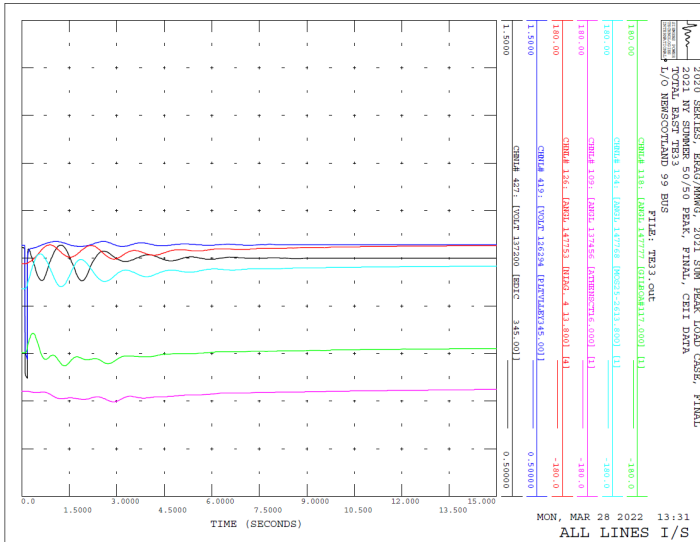
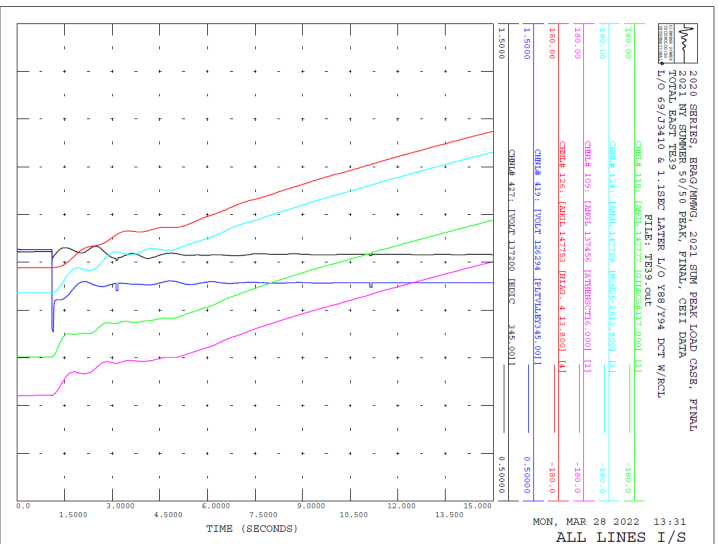
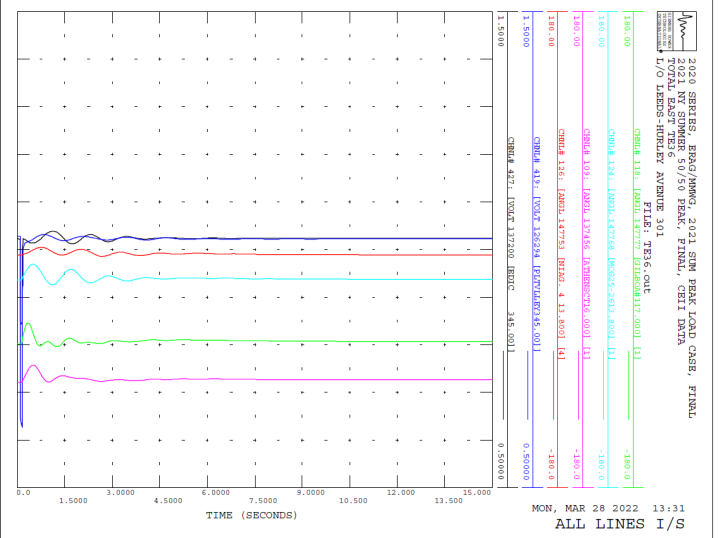
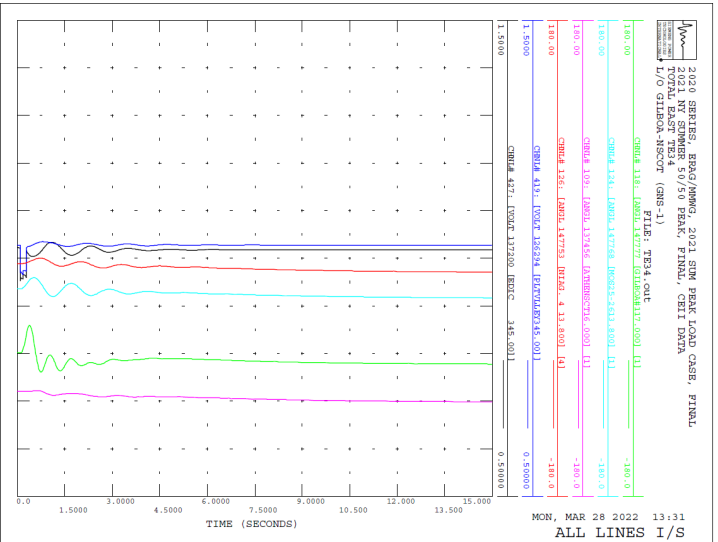
ANGLE AND VOLTAGE RESPONSES

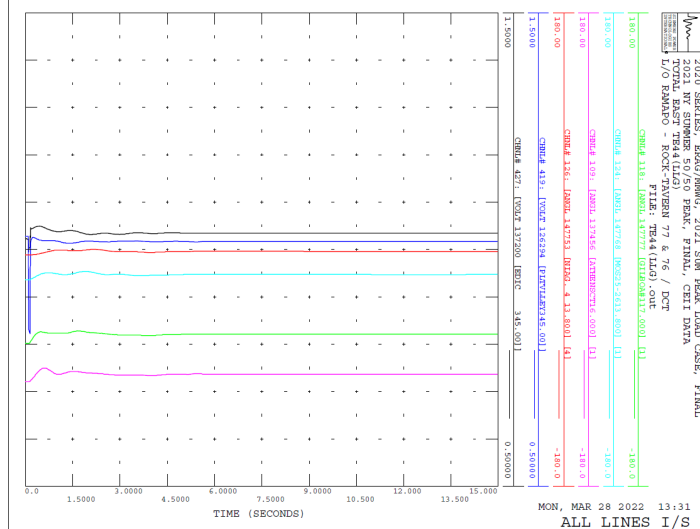
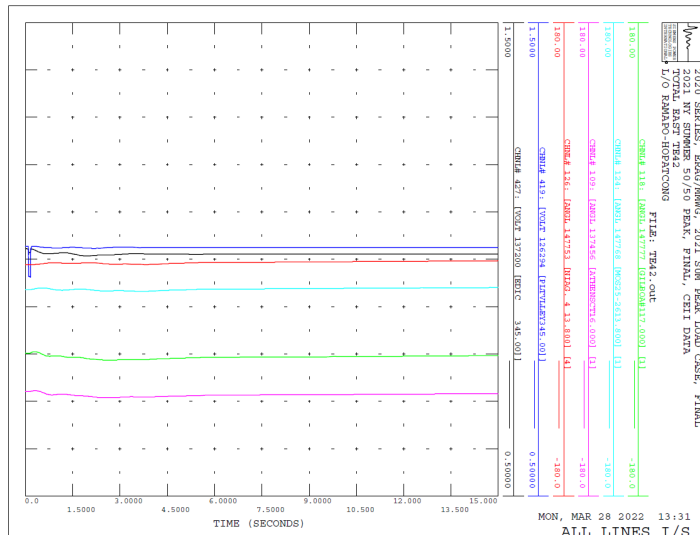
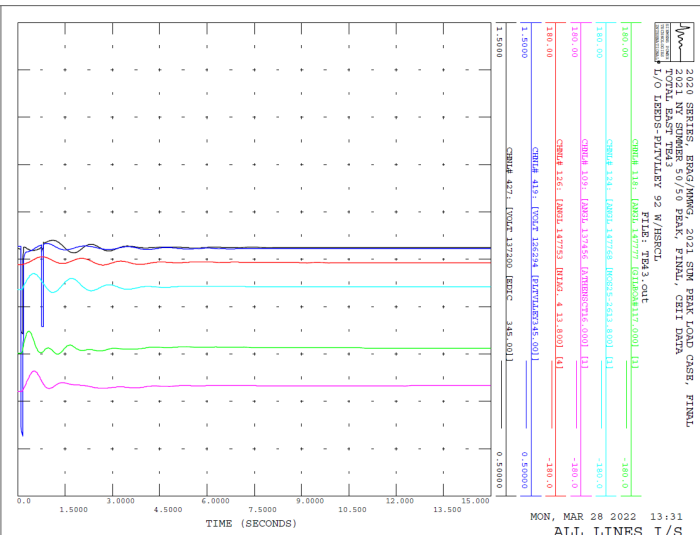
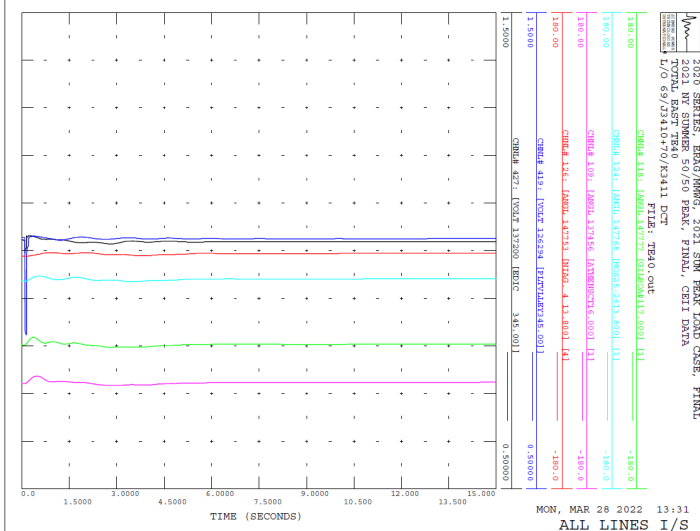
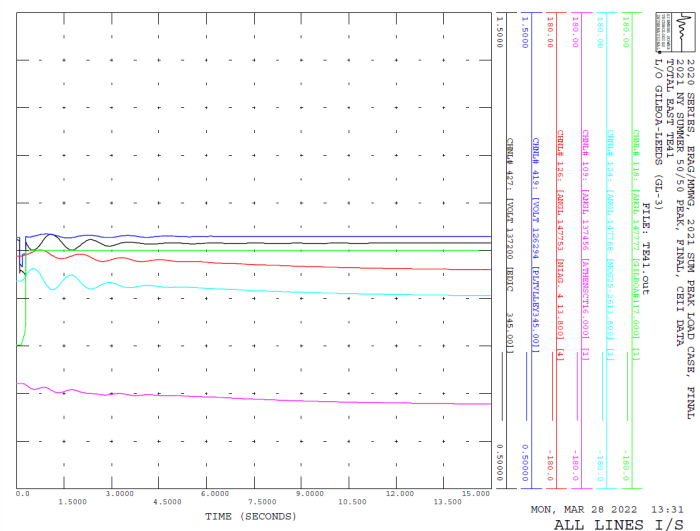










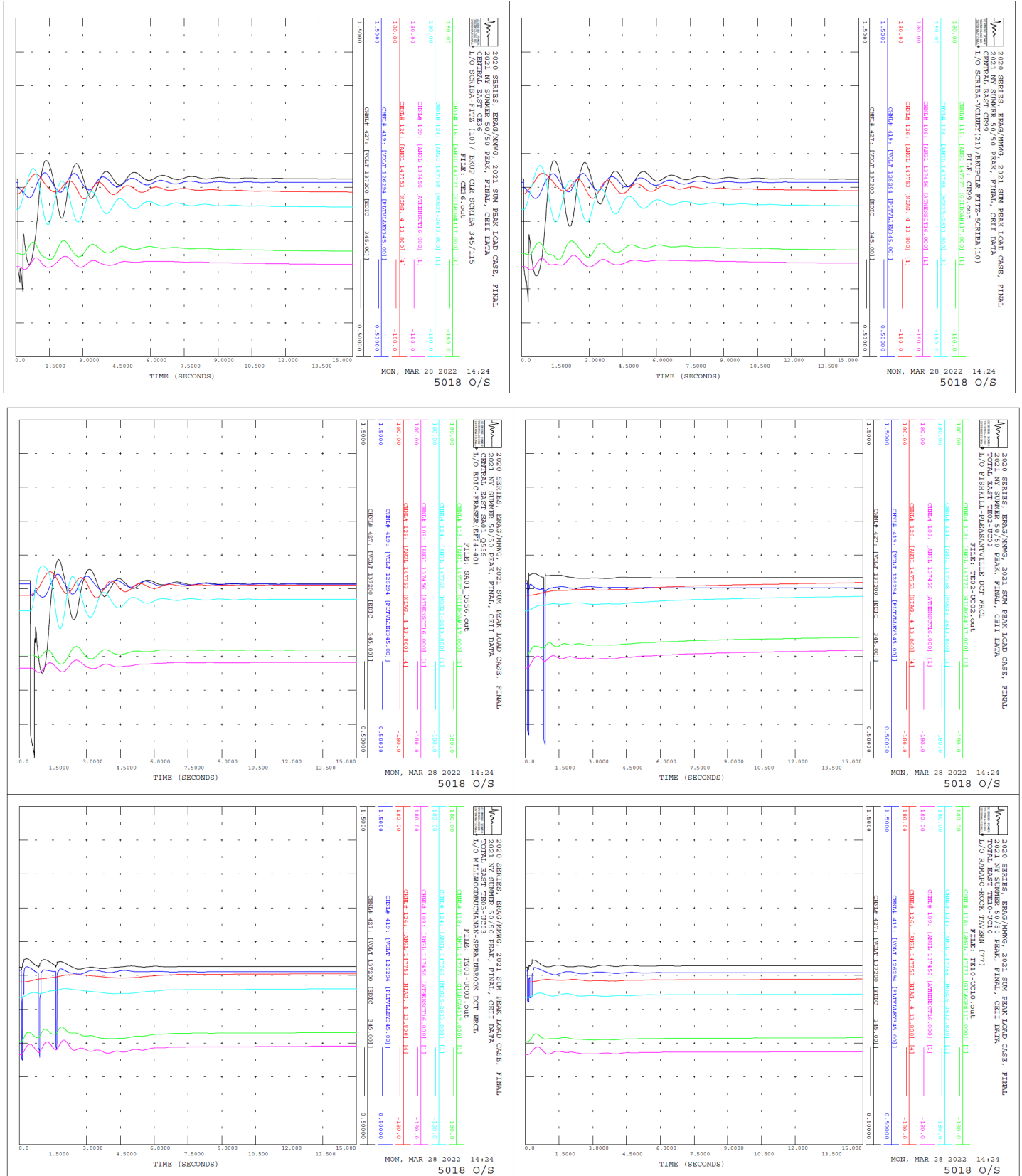


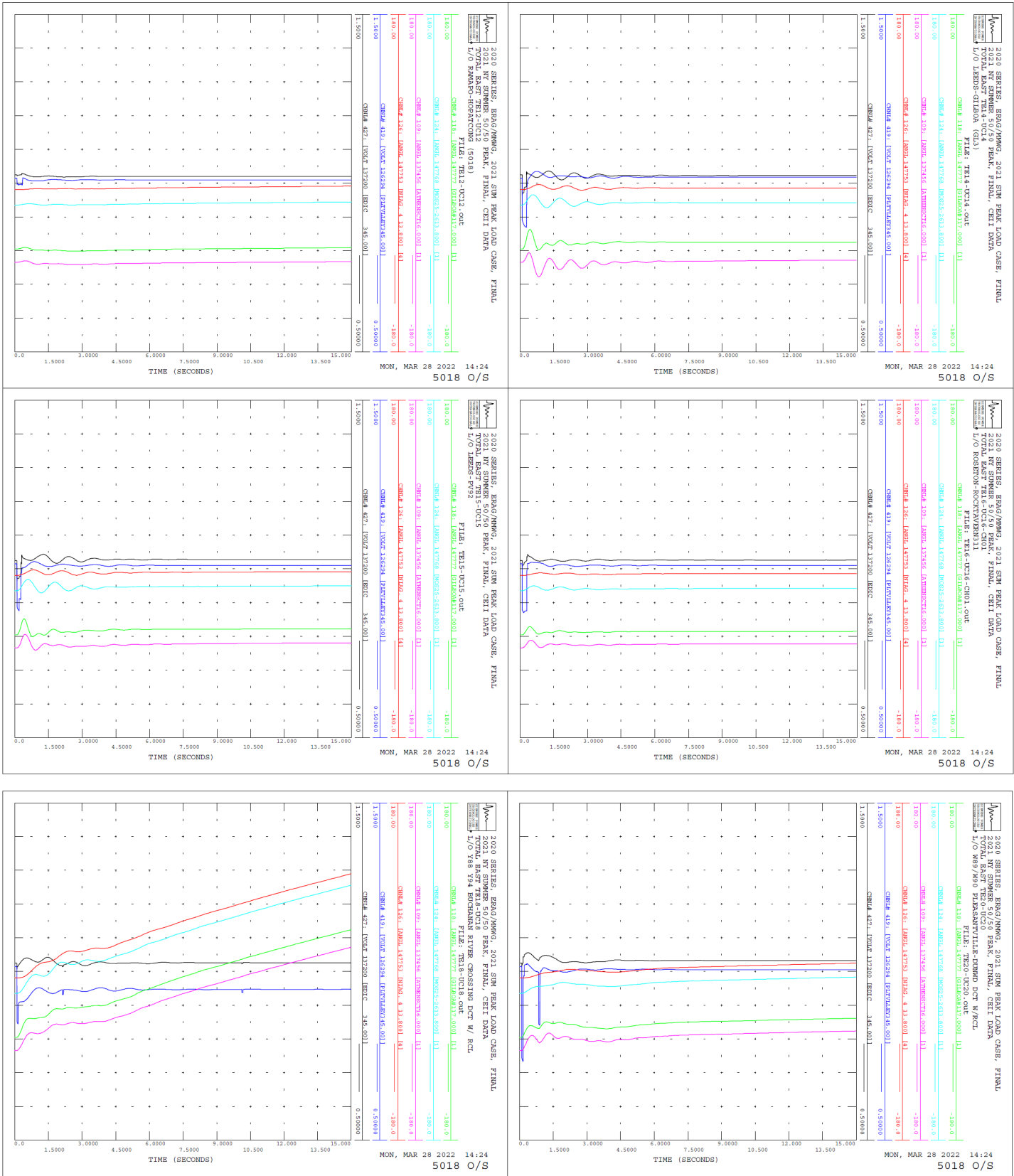
Appendix B: Transfer Case Interface Flow Report/Angle and Voltage Responses for 5018 O/S

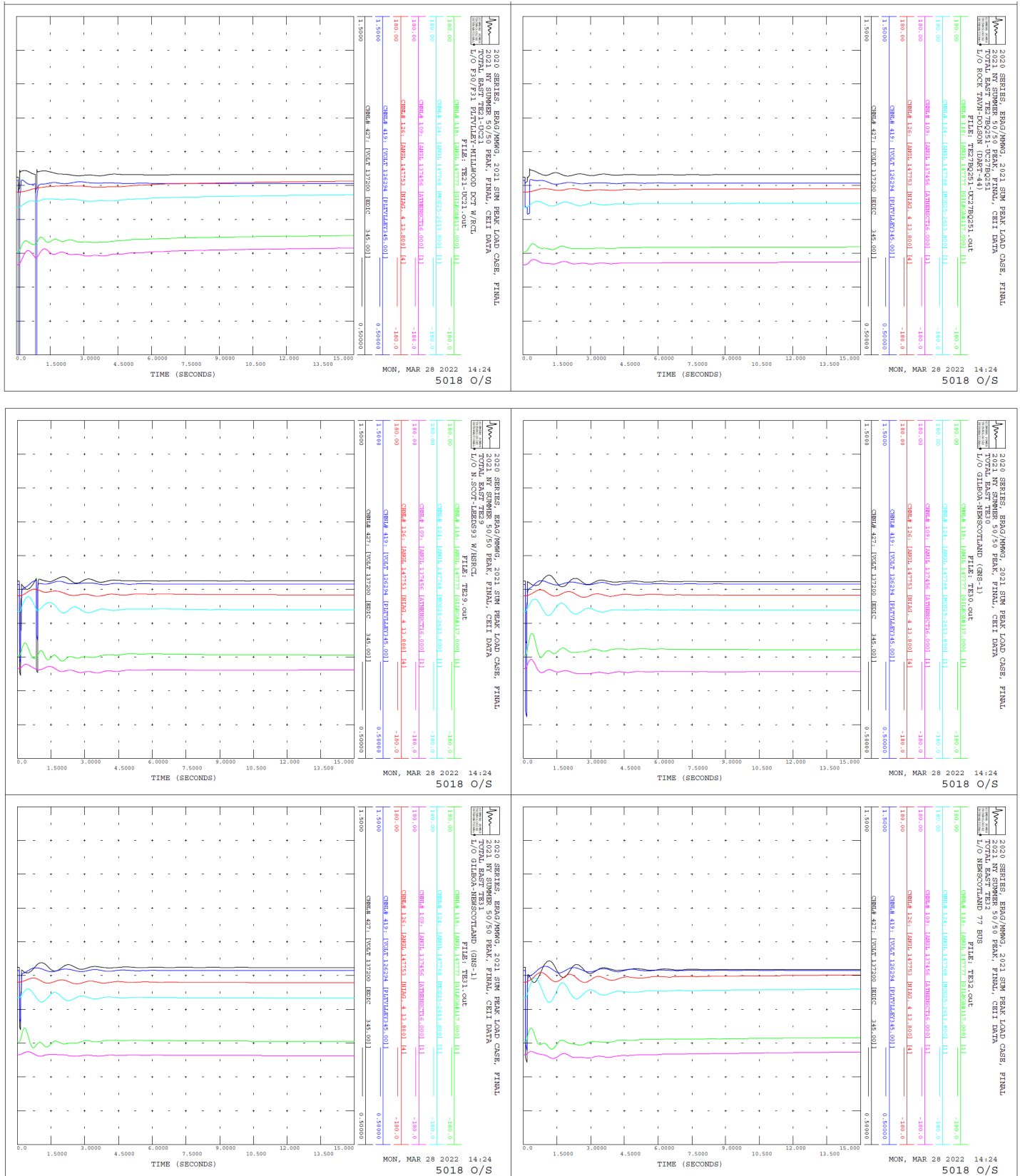
INTERFACE FLOW REPORT

Interface	MW	MVAr	Interface	MW	MVAr
DYSINGER-EAST	2355.8	-201.1	DYSE-CLOSE	5140.5	-380.3
WEST-CENTRAL	1108.4	-0.3	WESTC-CLOSE	3893.0	85.6
VOLNEY-EAST	3450.1	-132.5	VOLNEY-CLOSE	5118.7	-41.8
MOSES-SOUTH	2787.8	327.4	MOSES-CLOSE	2594.3	284.1
CENTRAL-EAST	2754.0	-706.5	TOTAL-EAST	5779.6	-1431.9
UPNY-SENY	6322.3	62.5	UPNY-SENY-CL	7679.7	18.2
UPNY-CONED	7535.1	256.1	UPNY-CON-CL	9074.9	114.2
MILLWOOD-SO	7164.0	-544.0	LIPA-IMPORT	1738.5	83.3
DNWDIE-SO-PL	5505.1	-1465.0	DNWDIE-SO-PC	7044.9	-1606.9
DNWDIE-SO-OP	4572.3	-1218.1	ABC-JK-PAR	316.1	285.6
SENY-115kV	361.8	-95.9	SENY-F-To-G	4164.3	275.3
PJM-NY	2431.5	-300.3	NE-NY-WCSC	518.9	19.8
ON-NY	2227.1	609.8	ONT-MICH-PAR	0.3	2.6









Appendix C: Transfer Case Interface Flow Report/Angle and Voltage Responses for 5018 O/S and Any SVC/Statcom O/S

INTERFACE FLOW REPORT

Interface	MW	MVAr	Interface	MW	MVAr
DYSINGER-EAST	2601.9	-119.0	DYSE-CLOSE	5291.8	-143.6
WEST-CENTRAL	1043.0	-113.8	WESTC-CLOSE	4032.5	126.4
VOLNEY-EAST	3464.7	-277.1	VOLNEY-CLOSE	4980.6	-71.6
MOSES-SOUTH	2683.6	442.3	MOSES-CLOSE	2592.9	375.4
CENTRAL-EAST	2687.2	-664.9	TOTAL-EAST	5670.7	-1375.2
UPNY-SENY	5702.8	35.9	UPNY-SENY-CL	7452.5	166.9
UPNY-CONED	7427.0	320.1	UPNY-CON-CL	9069.9	192.2
MILLWOOD-SO	7167.3	-469.4	LIPA-IMPORT	1738.3	98.4
DNWDIE-SO-PL	5396.2	-1428.1	DNWDIE-SO-PC	7039.1	-1555.9
DNWDIE-SO-OP	4463.7	-1196.5	ABC-JK-PAR	707.9	454.7
SENY-115kV	386.7	-73.2	SENY-F-To-G	4410.5	296.3
PJM-NY	2427.6	-146.7	NE-NY-WCSC	329.4	111.1
ON-NY	2325.5	553.1	ONT-MICH-PAR	2.0	3.8



