



TOTAL EAST STABILITY LIMITS ANALYSIS FOR ALL LINES I/S AND OUTAGE CONDITIONS (TE-23) APPENDICES

A Report by the
New York Independent System Operator

April 2023

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Transfer Cases

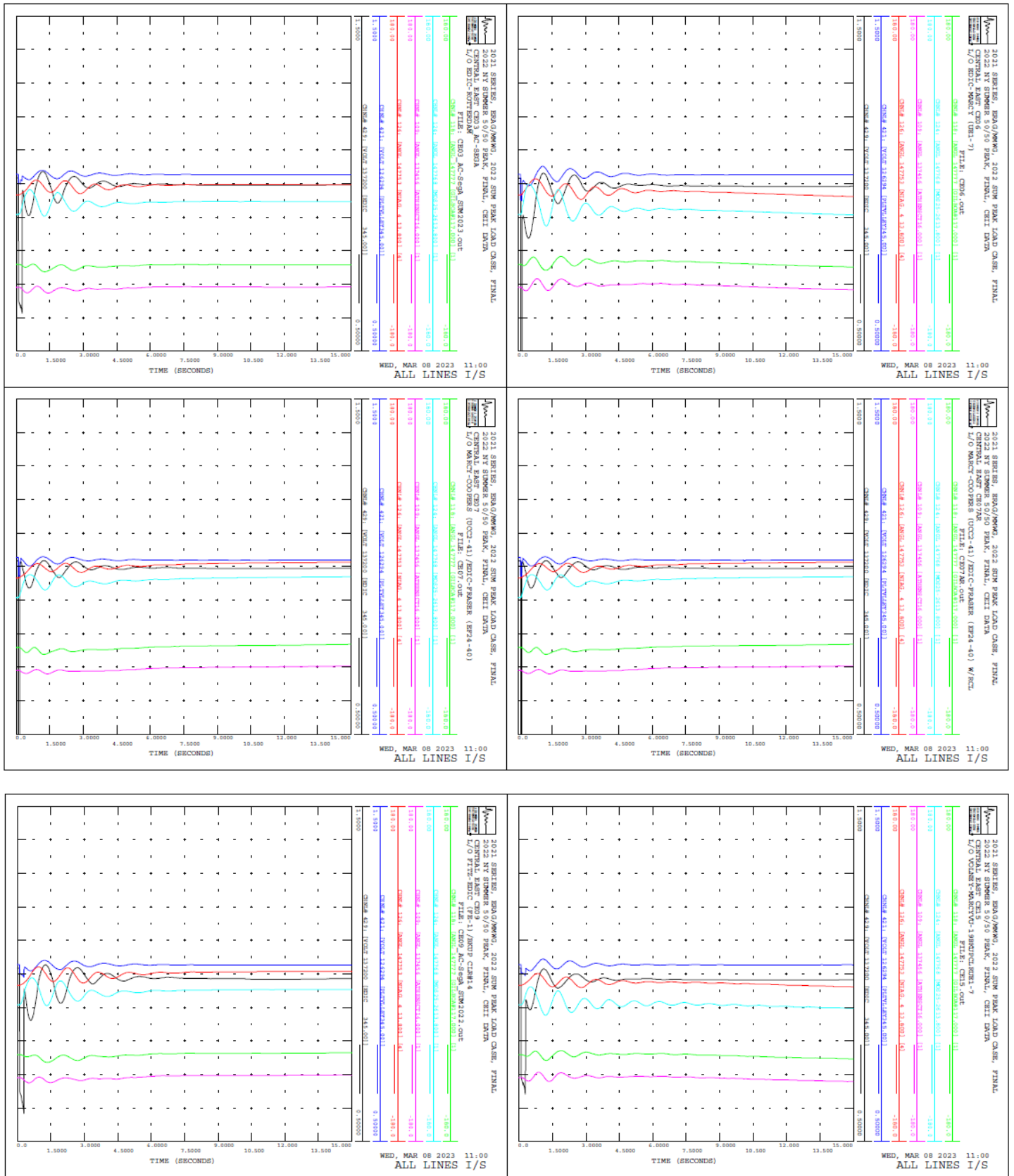
Transfer Cases	
A	TE 6845, Marcy Statcom I/S, Leeds I/S, Fraser I/S, 5018 I/S
B	TE 6015, Marcy Statcom I/S, Leeds I/S, Fraser I/S, 5018 O/S
C	TE 5915, Any SVC/Statcom O/S, 5018 O/S

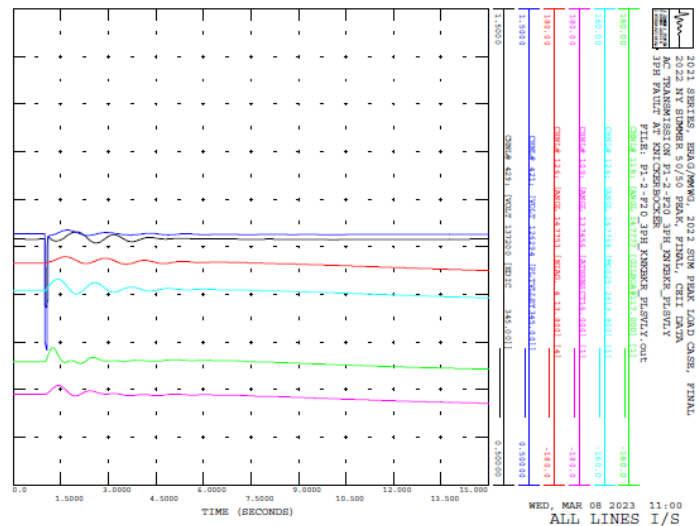
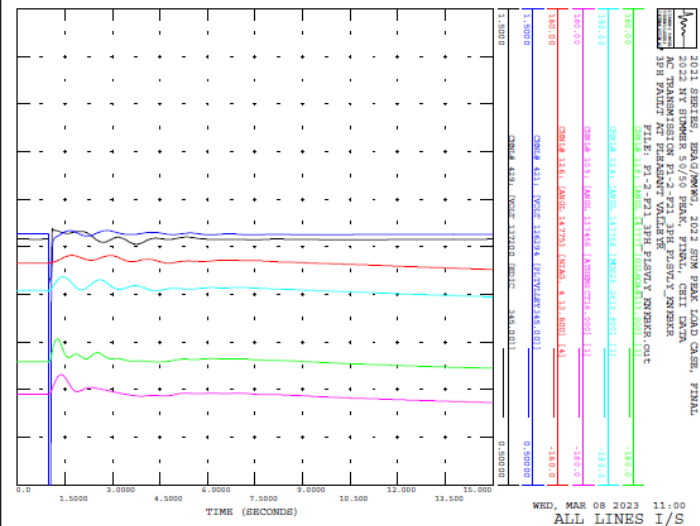
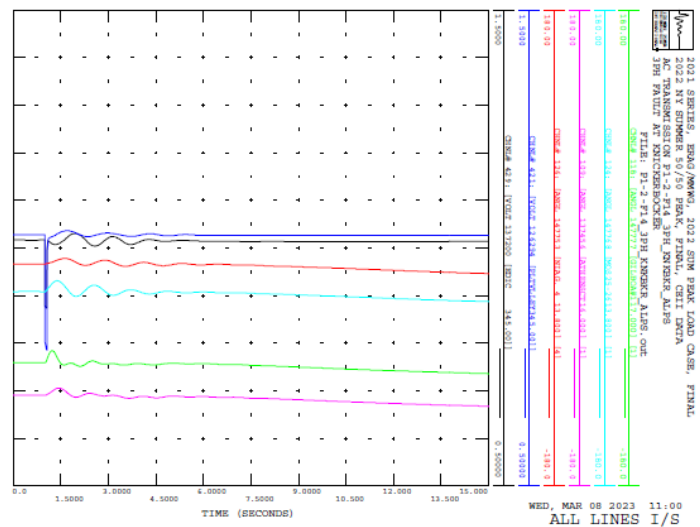
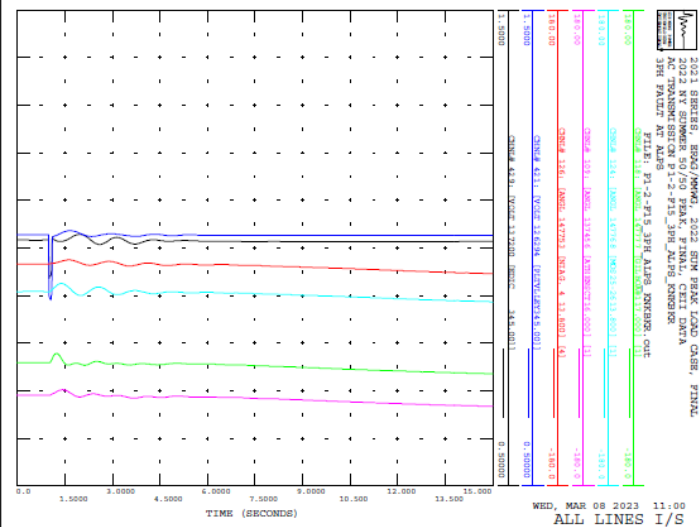
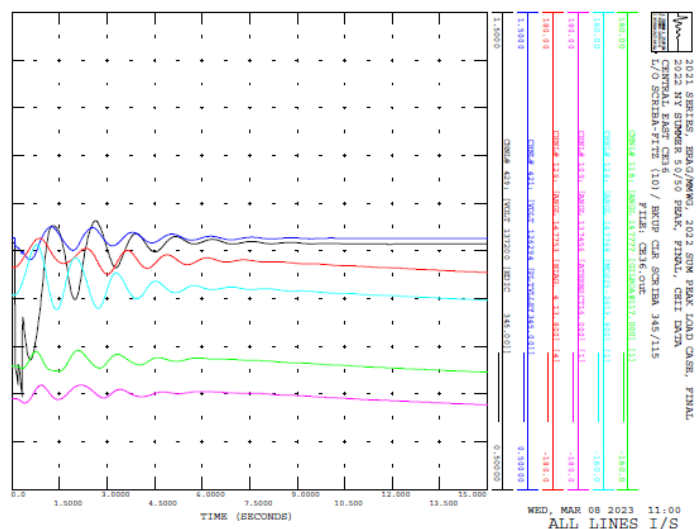
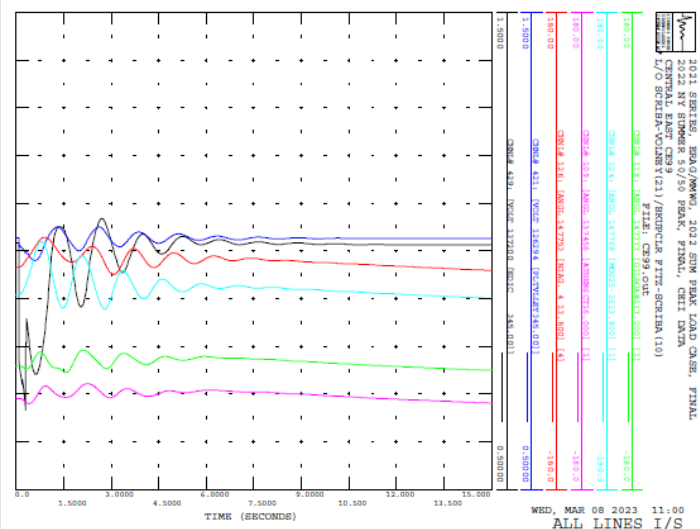
Appendix A: Transfer Case Interface Flow Report/Angle and Voltage Responses for All Lines In Service

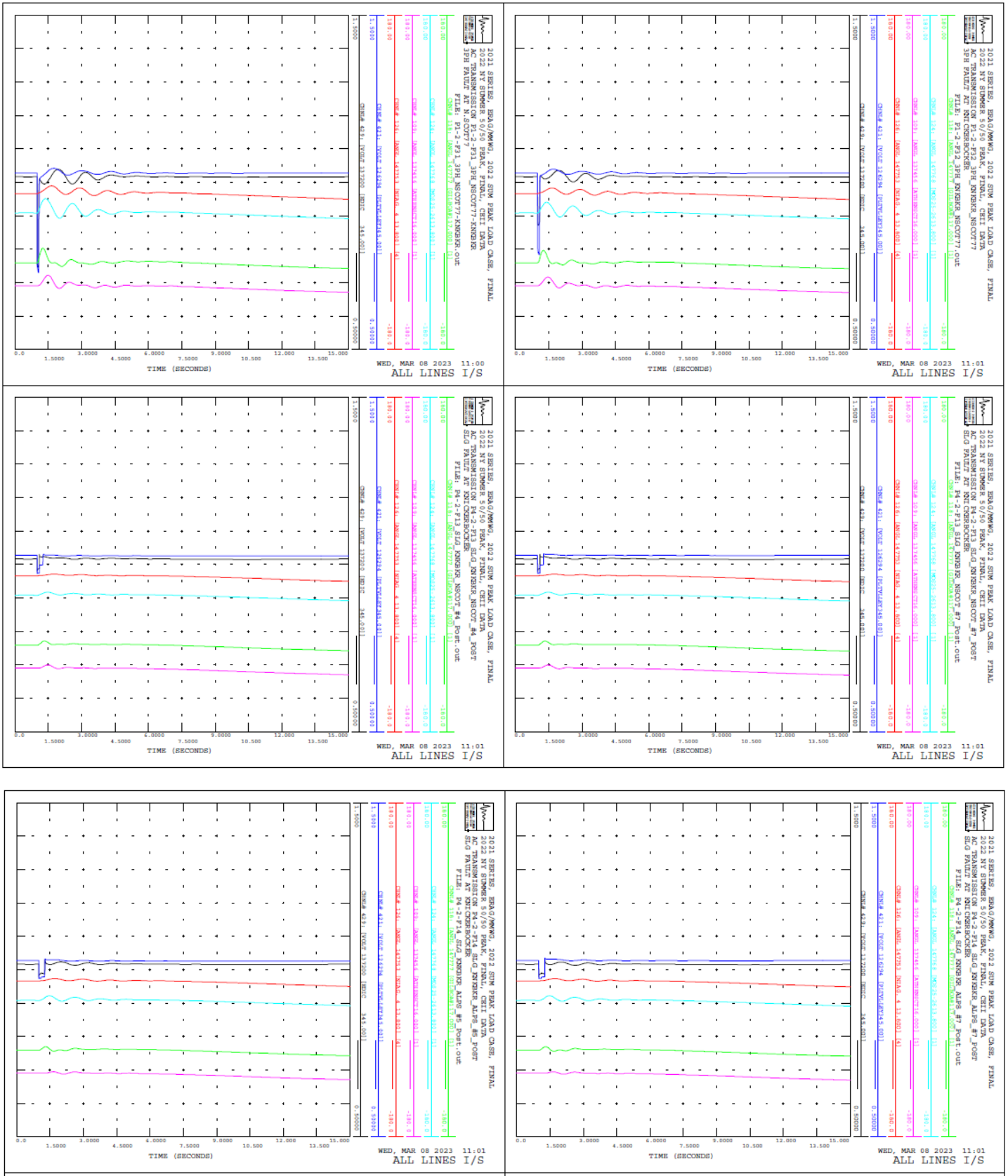
INTERFACE FLOW REPORT

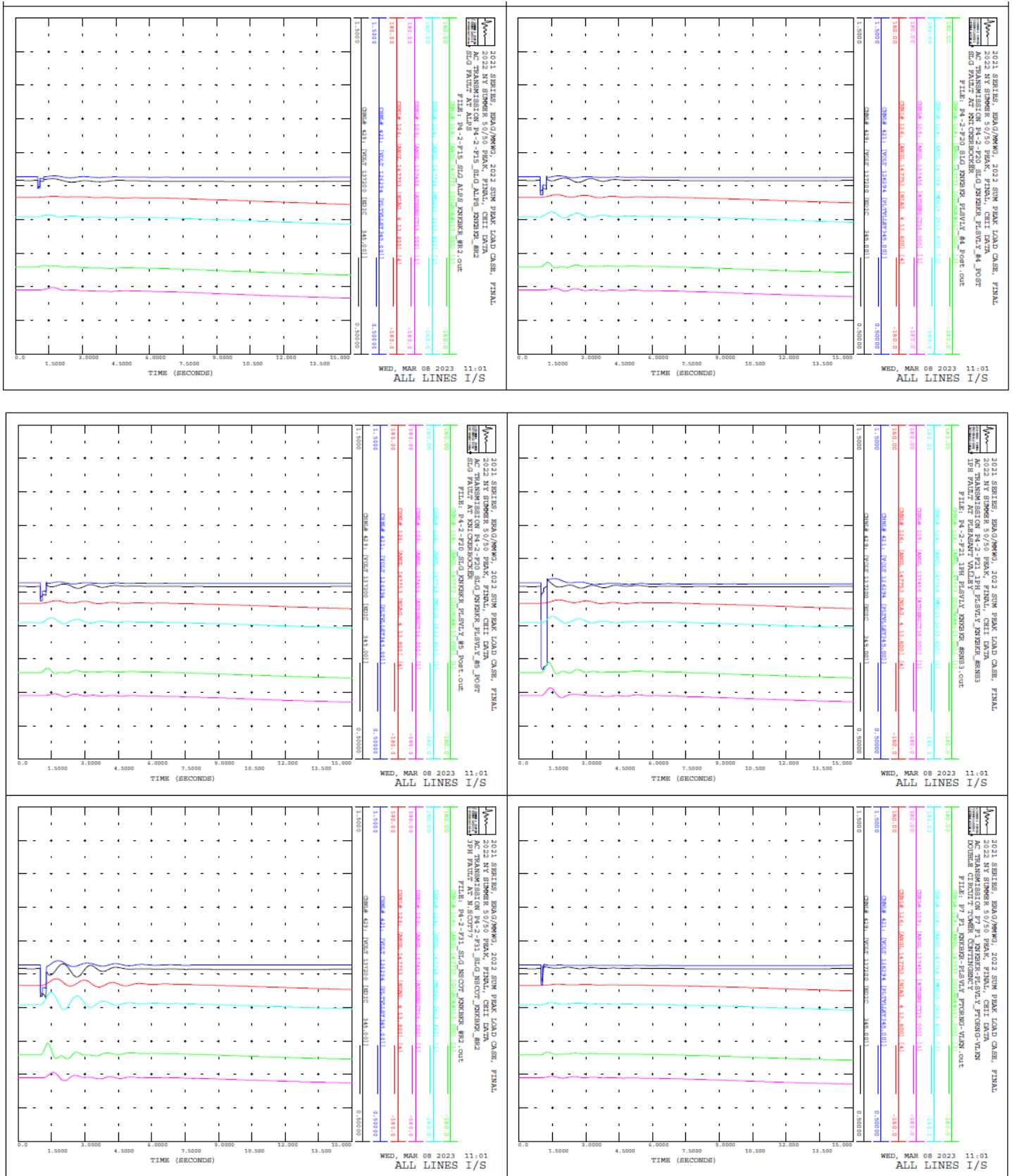
Interface	MW	MVAr	Interface	MW	MVAr
DYSINGER-EAST	3016.0	-371.0	DYSE-CLOSE	6933.9	-164.2
WEST-CENTRAL	1718.2	-182.2	WESTC-CLOSE	5635.9	292.4
VOLNEY-EAST	3619.0	-303.4	VOLNEY-CLOSE	6454.4	188.5
MOSES-SOUTH	2903.5	623.6	MOSES-CLOSE	2499.1	525.3
CENTRAL-EAST	3009.6	-881.4	TOTAL-EAST	6847.6	-1429.9
UPNY-SENY	4945.9	-476.8	UPNY-SENY-CL	6547.0	-152.9
UPNY-CONED	7551.8	-95.0	UPNY-CON-CL	9173.9	142.6
MILLWOOD-SO	7360.0	-308.4	LIPA-IMPORT	1729.1	146.6
DNWDIE-SO-PL	5585.0	-1465.7	DNWDIE-SO-PC	7207.2	-1228.0
DNWDIE-SO-OP	4661.3	-1246.2	ABC-JK-PAR	560.2	361.6
SENY-115kV	164.1	-81.2	SENY-F-To-G	1921.9	-131.3
PJM-NY	3275.0	57.3	NE-NY-WCSC	237.6	72.3
ON-NY	3252.5	244.2	ONT-MICH-PAR	3.7	10.8

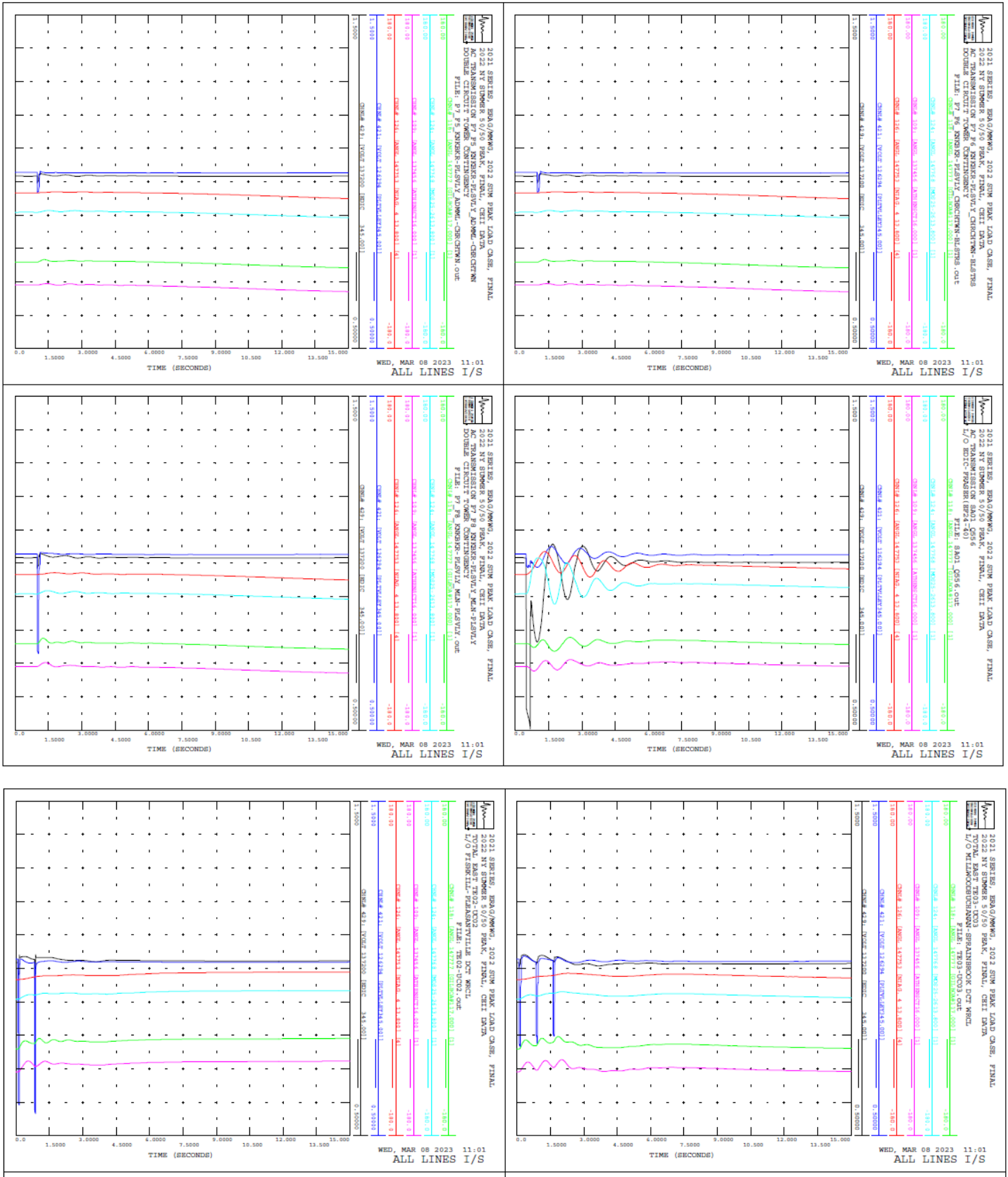
ANGLE AND VOLTAGE RESPONSES

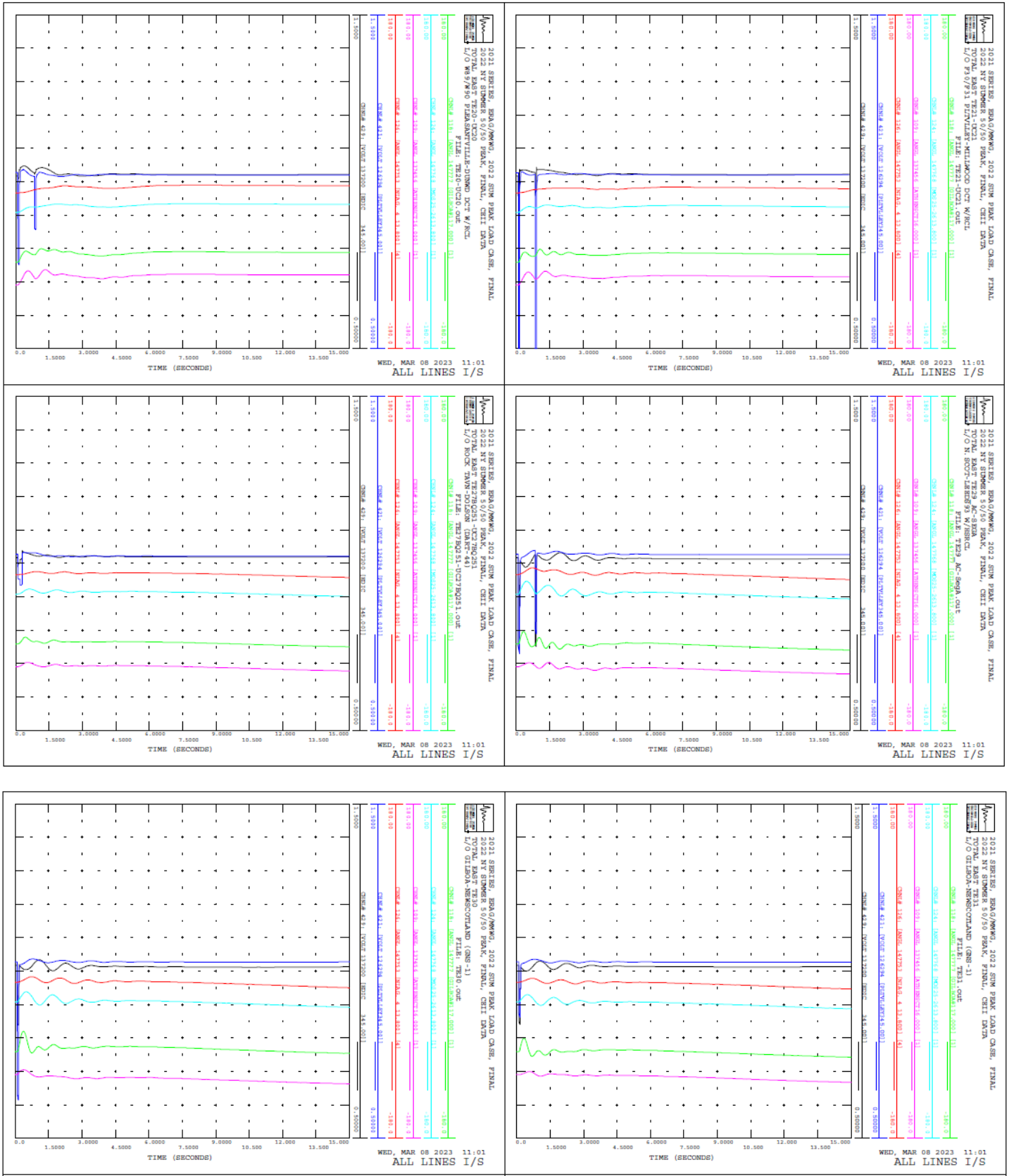


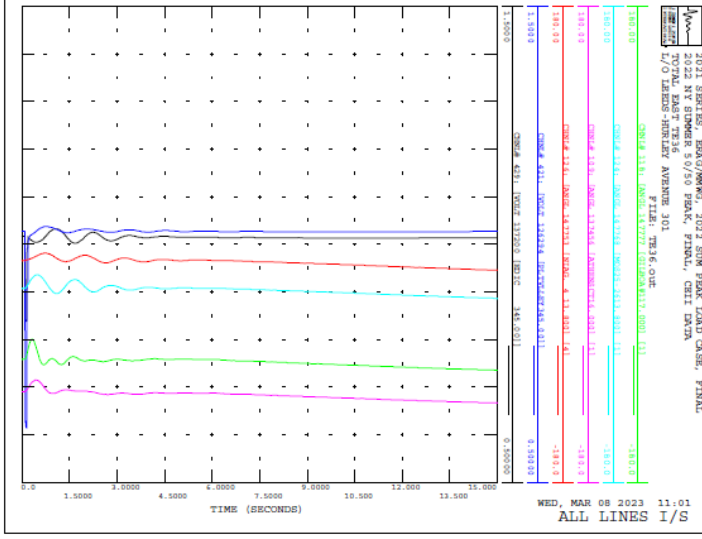
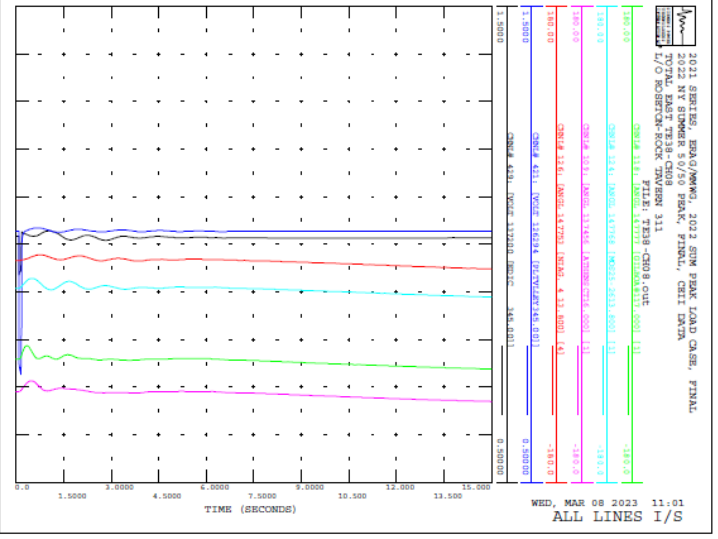
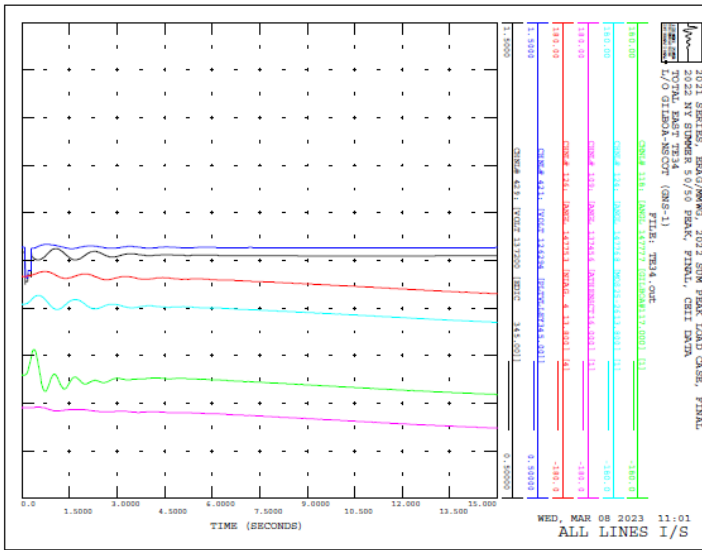
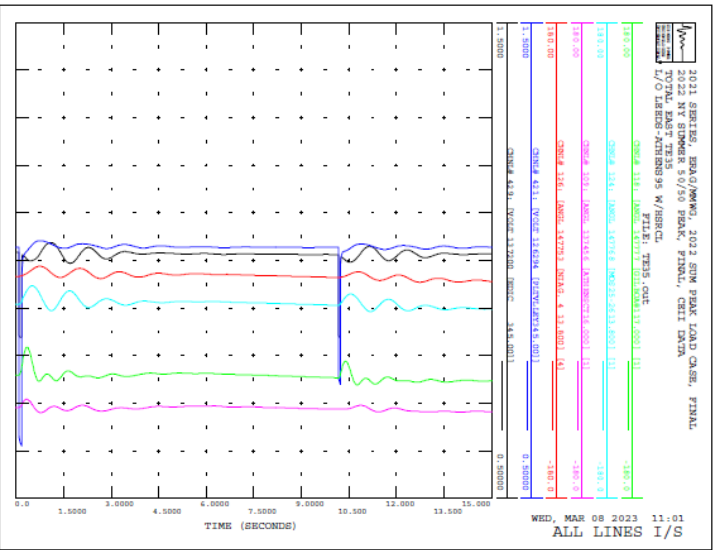
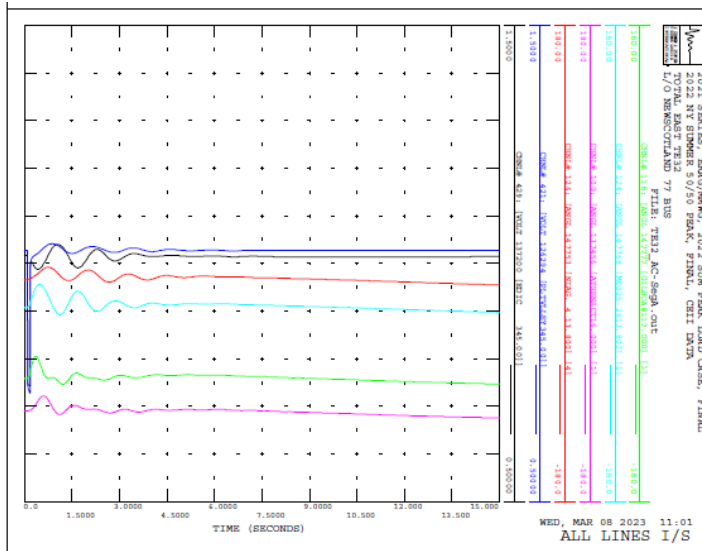
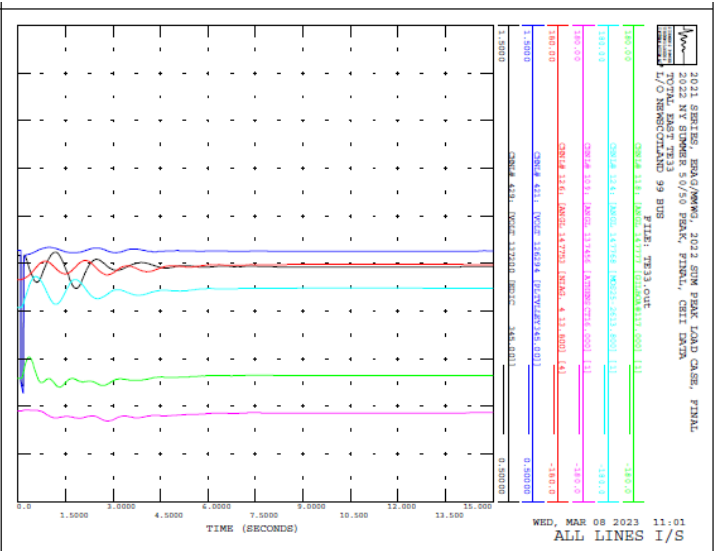


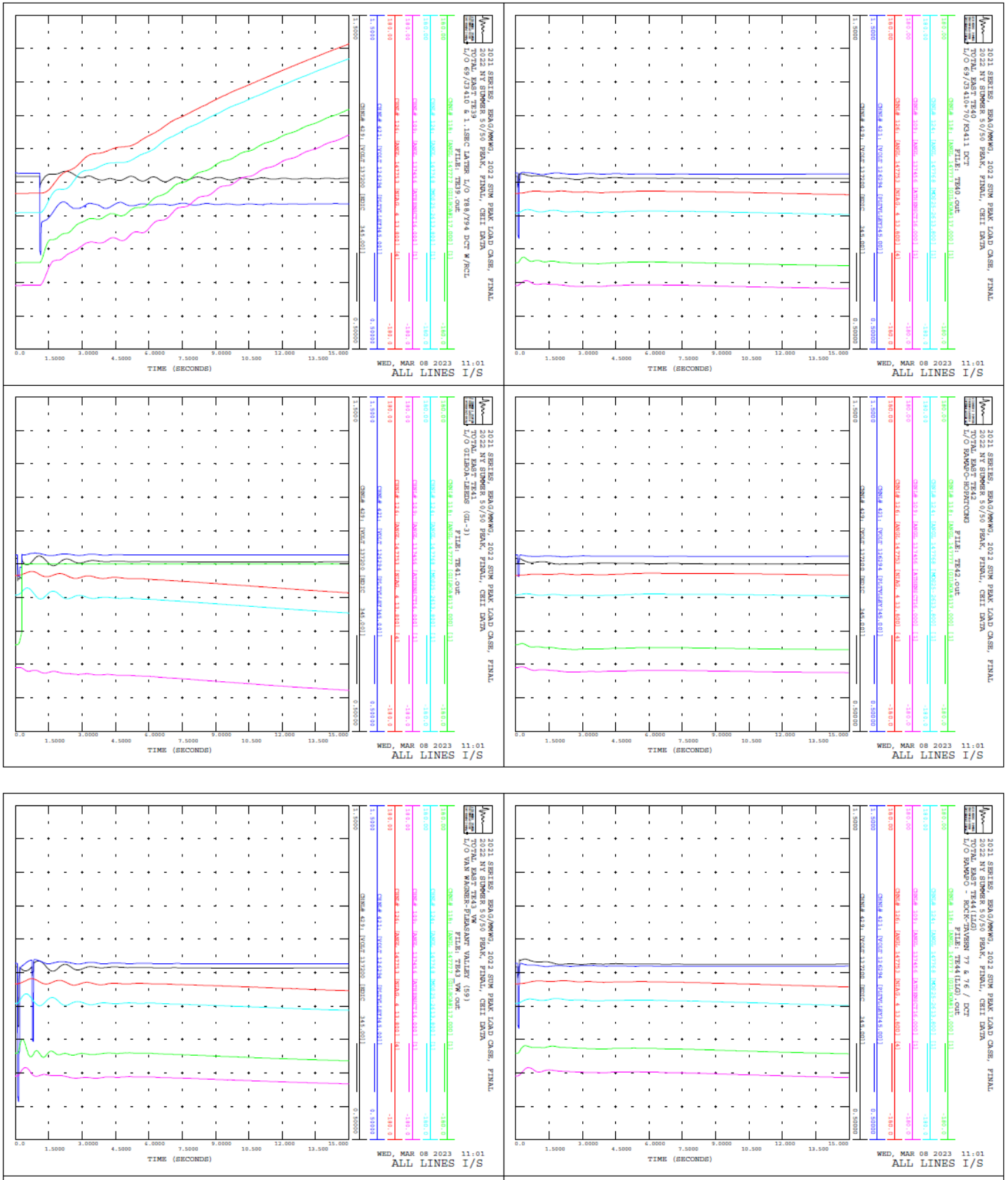


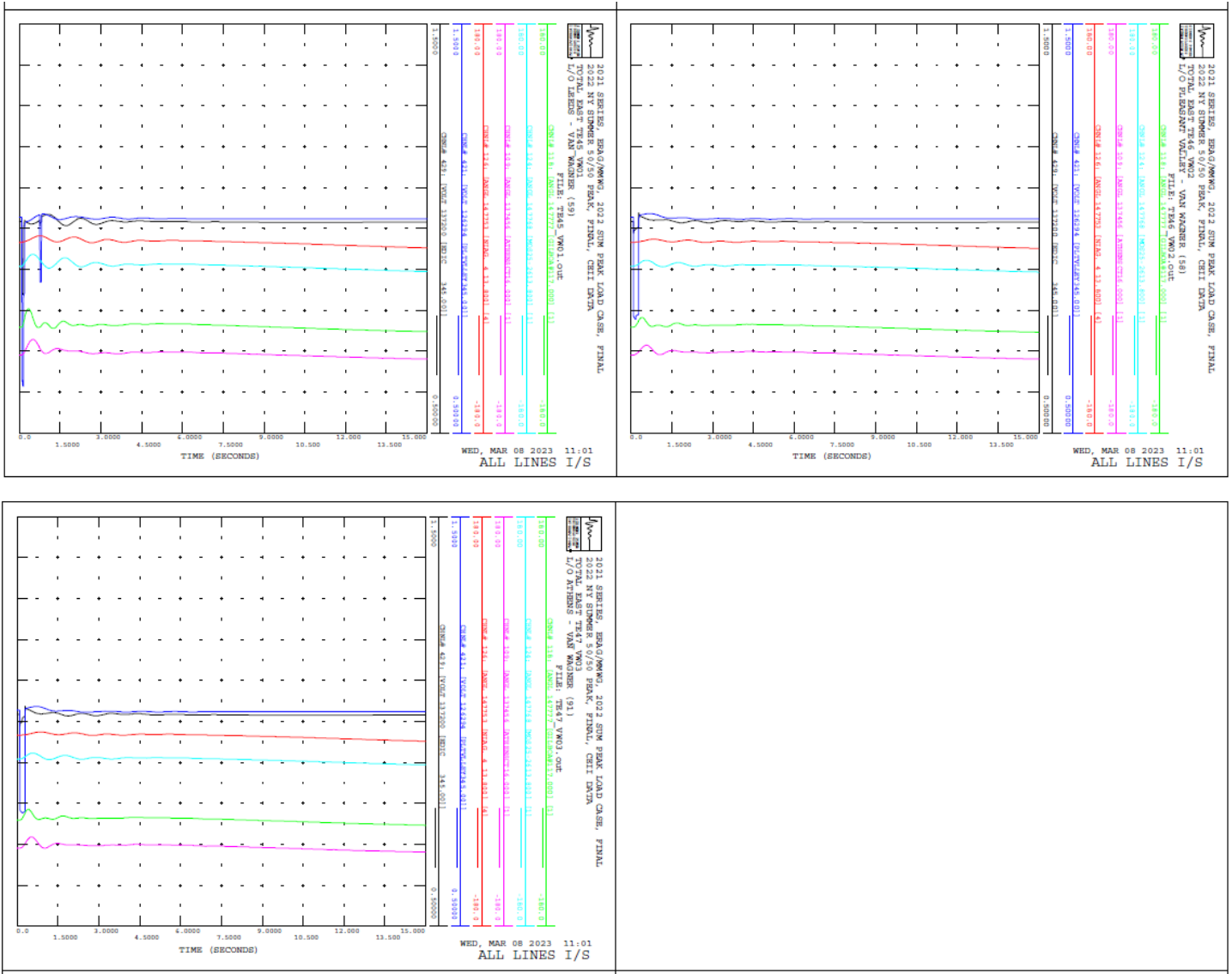










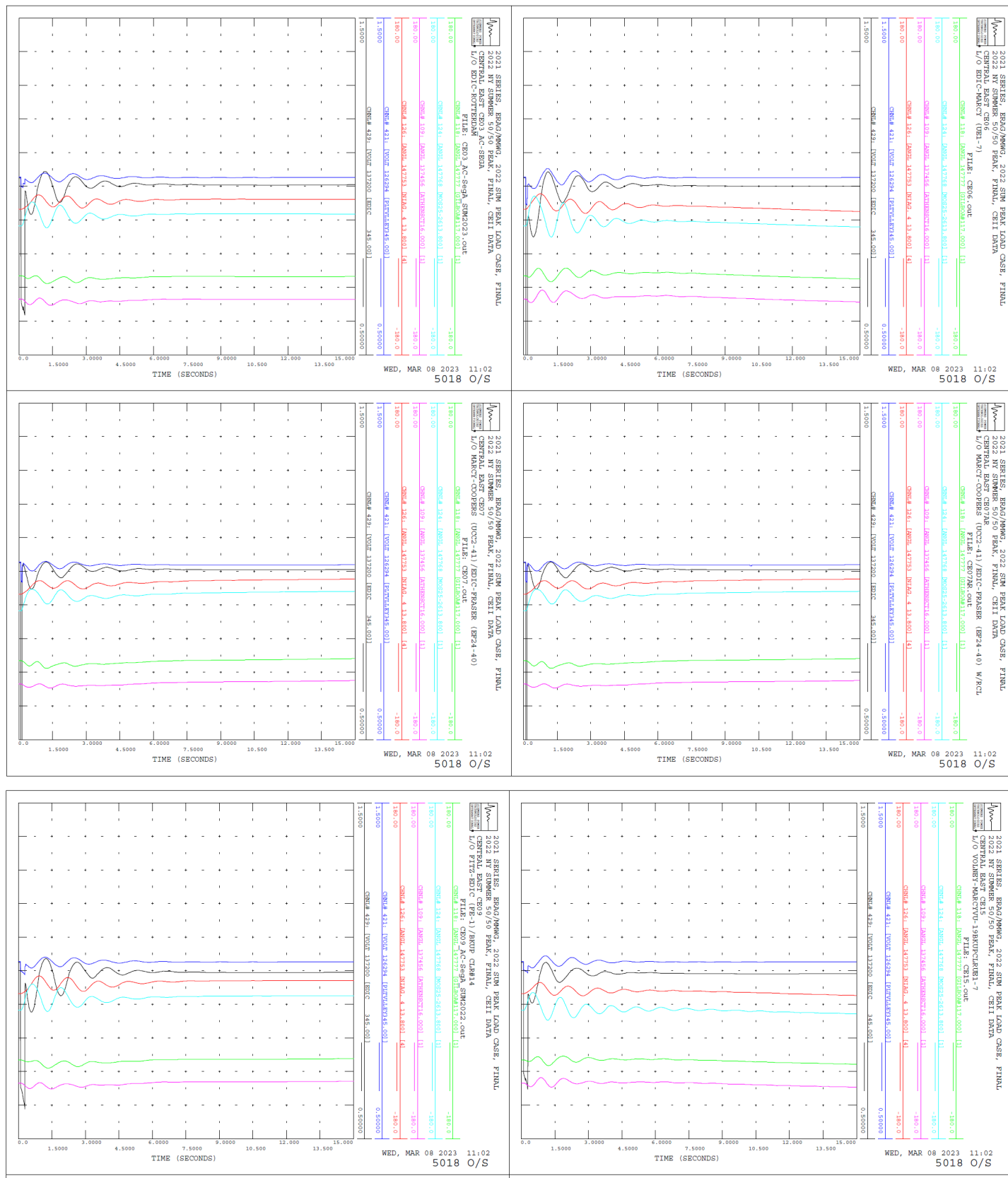


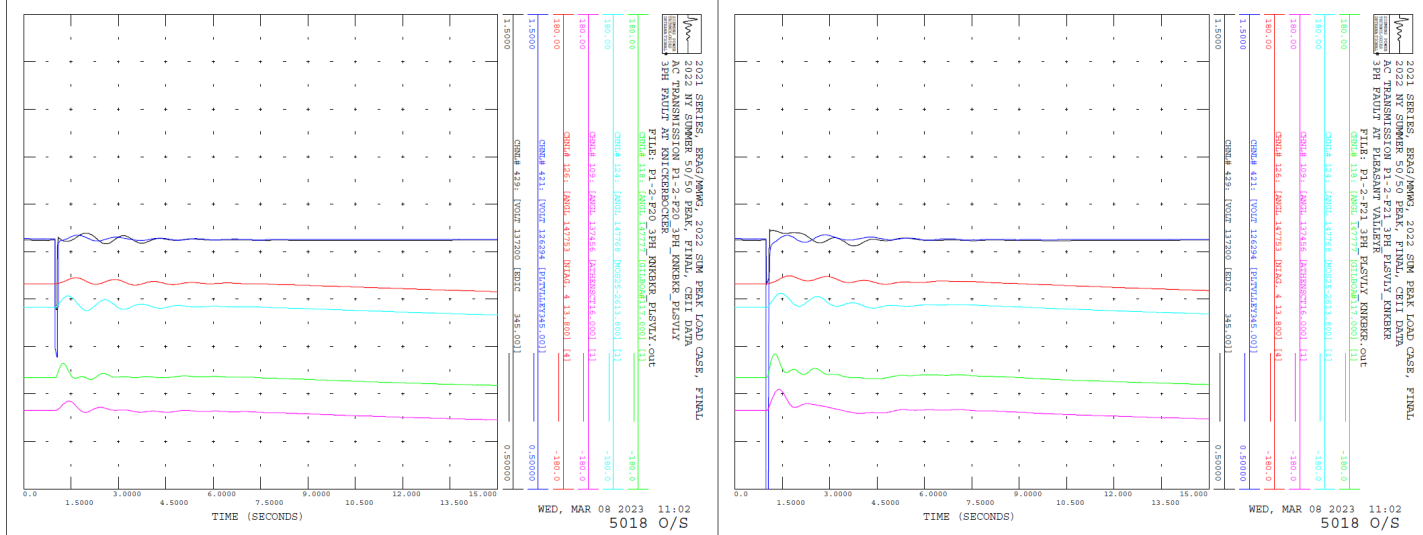
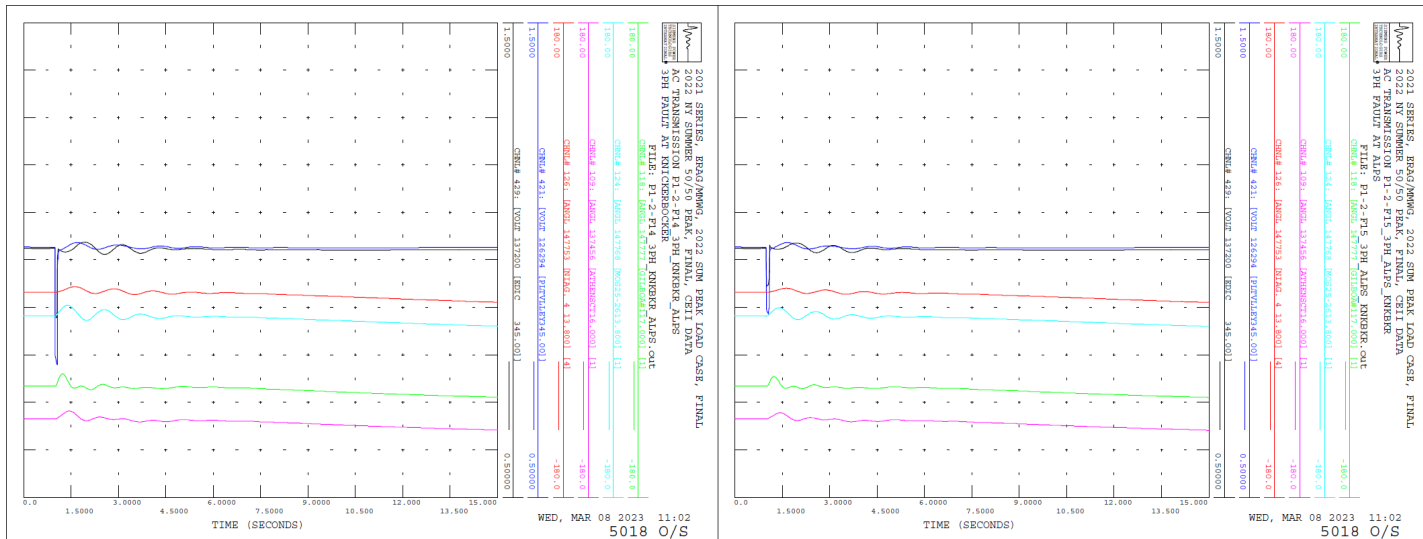
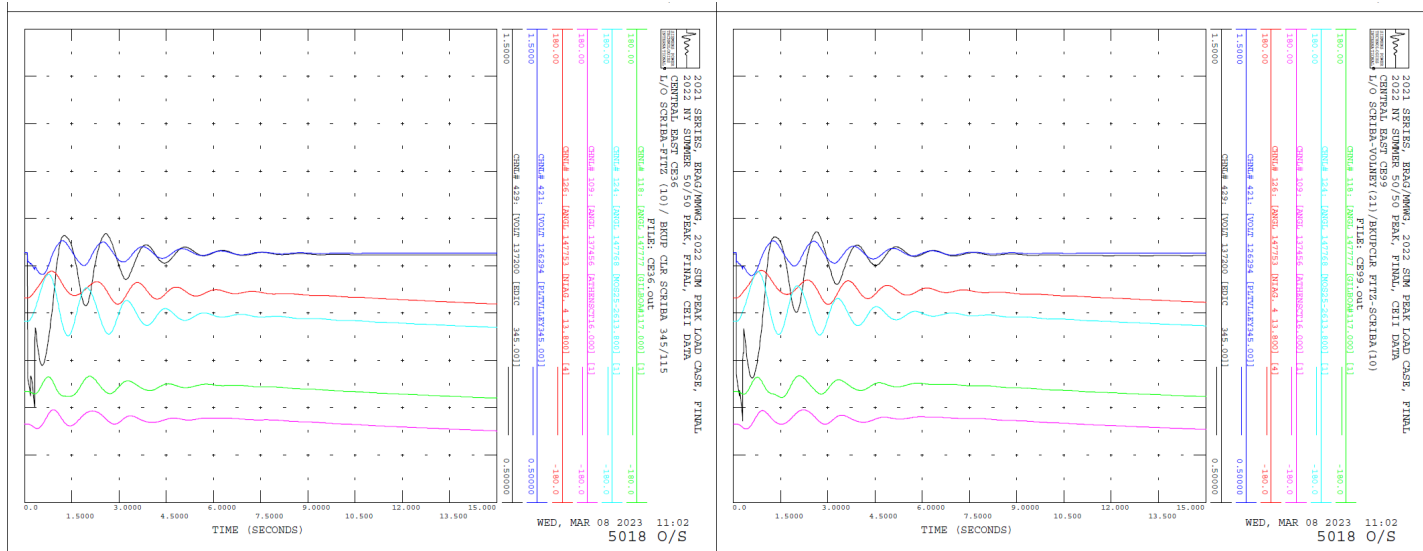
Appendix B: Transfer Case Interface Flow Report/Angle and Voltage Responses for 5018 O/S

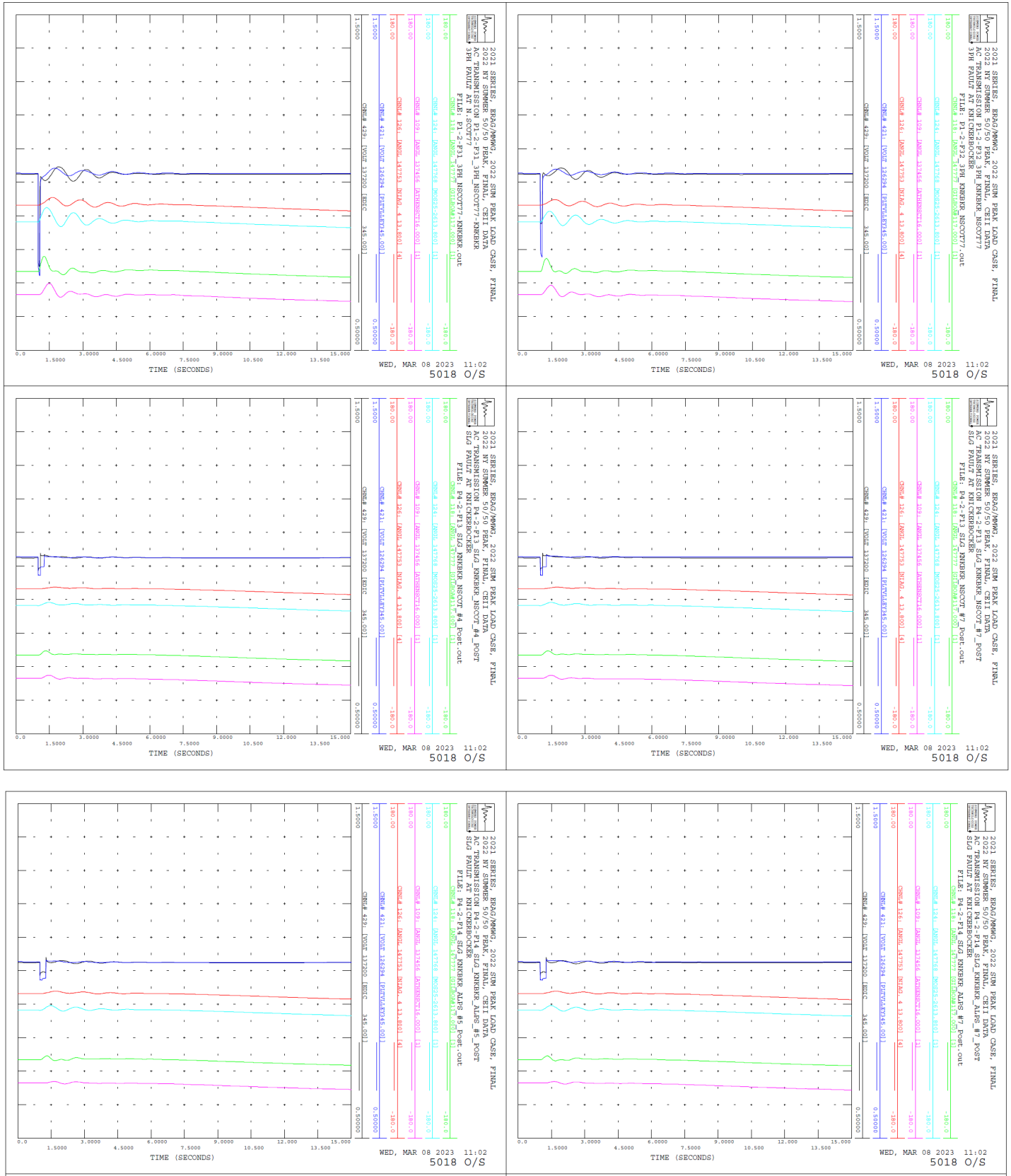
INTERFACE FLOW REPORT

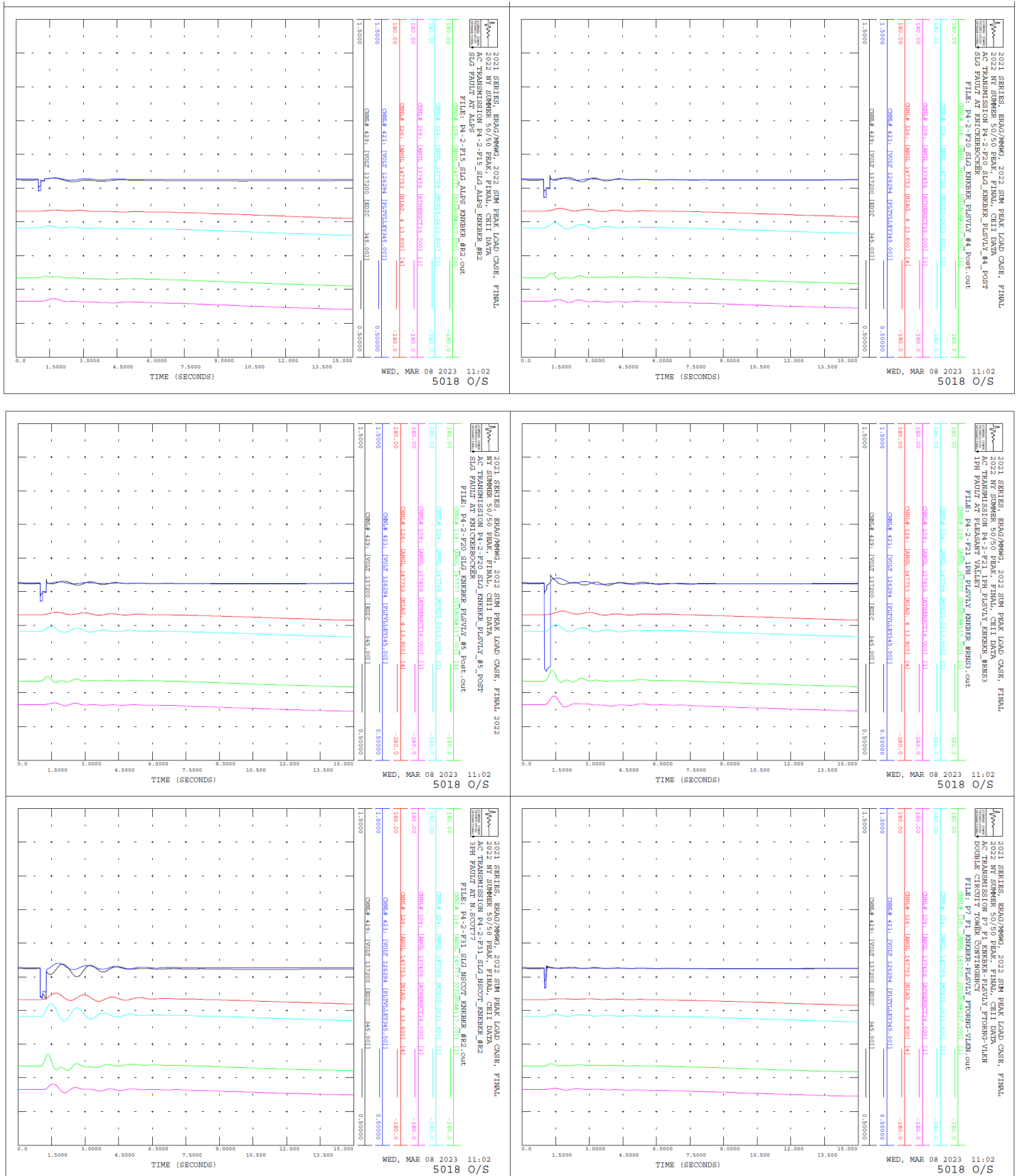
Interface	MW	MVAr	Interface	MW	MVAr
DYSINGER-EAST	2526.3	-354.2	DYSE-CLOSE	5786.9	-284.0
WEST-CENTRAL	1223.2	-47.0	WESTC-CLOSE	4483.5	289.4
VOLNEY-EAST	3542.2	-351.6	VOLNEY-CLOSE	5526.6	51.4
MOSES-SOUTH	2894.4	613.5	MOSES-CLOSE	2499.8	517.5
CENTRAL-EAST	3010.0	-845.2	TOTAL-EAST	6015.7	-1482.6
UPNY-SENY	3797.6	-498.1	UPNY-SENY-CL	5713.9	-171.6
UPNY-CONED	7401.1	-63.8	UPNY-CON-CL	9173.5	190.7
MILLWOOD-SO	7328.5	-277.4	LIPA-IMPORT	1729.1	144.3
DNWDIE-SO-PL	5434.1	-1449.0	DNWDIE-SO-PC	7206.4	-1194.5
DNWDIE-SO-OP	4510.3	-1227.7	ABC-JK-PAR	876.1	361.7
SENY-115kV	160.1	-80.5	SENY-F-To-G	1935.4	-88.4
PJM-NY	2789.3	-109.2	NE-NY-WCSC	237.7	56.5
ON-NY	2479.0	330.7	ONT-MICH-PAR	-2.5	7.0

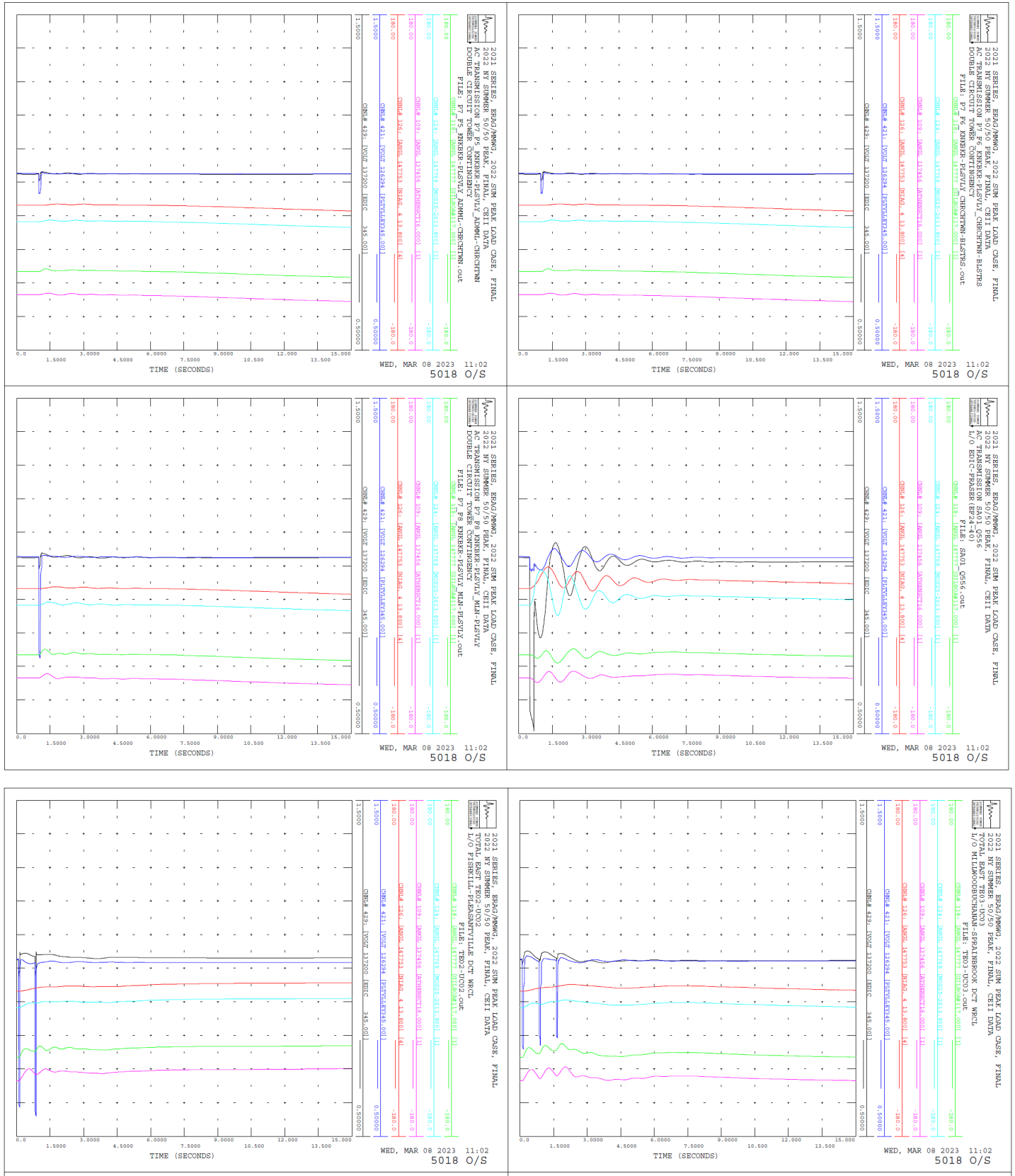
ANGLE AND VOLTAGE RESPONSES

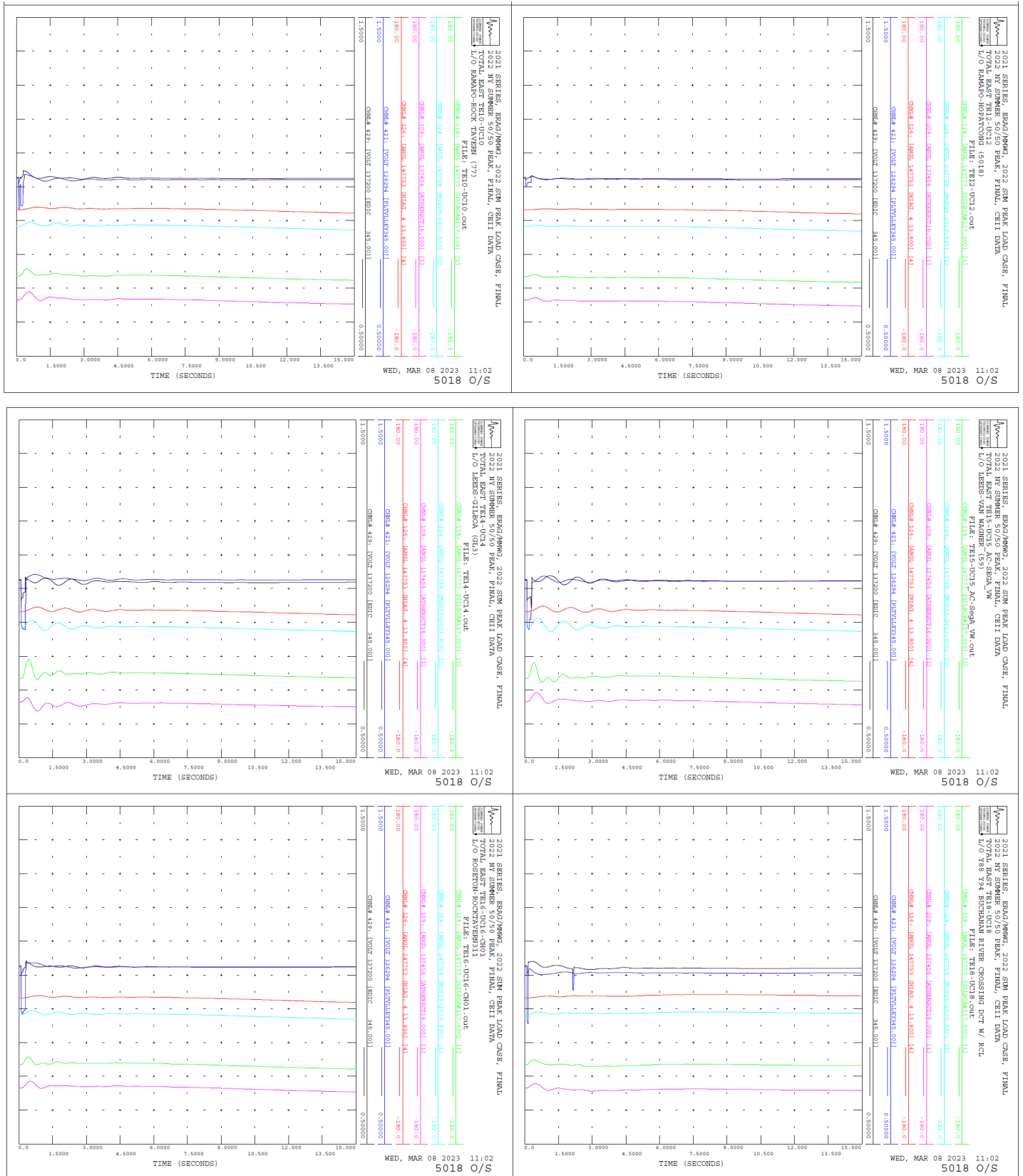


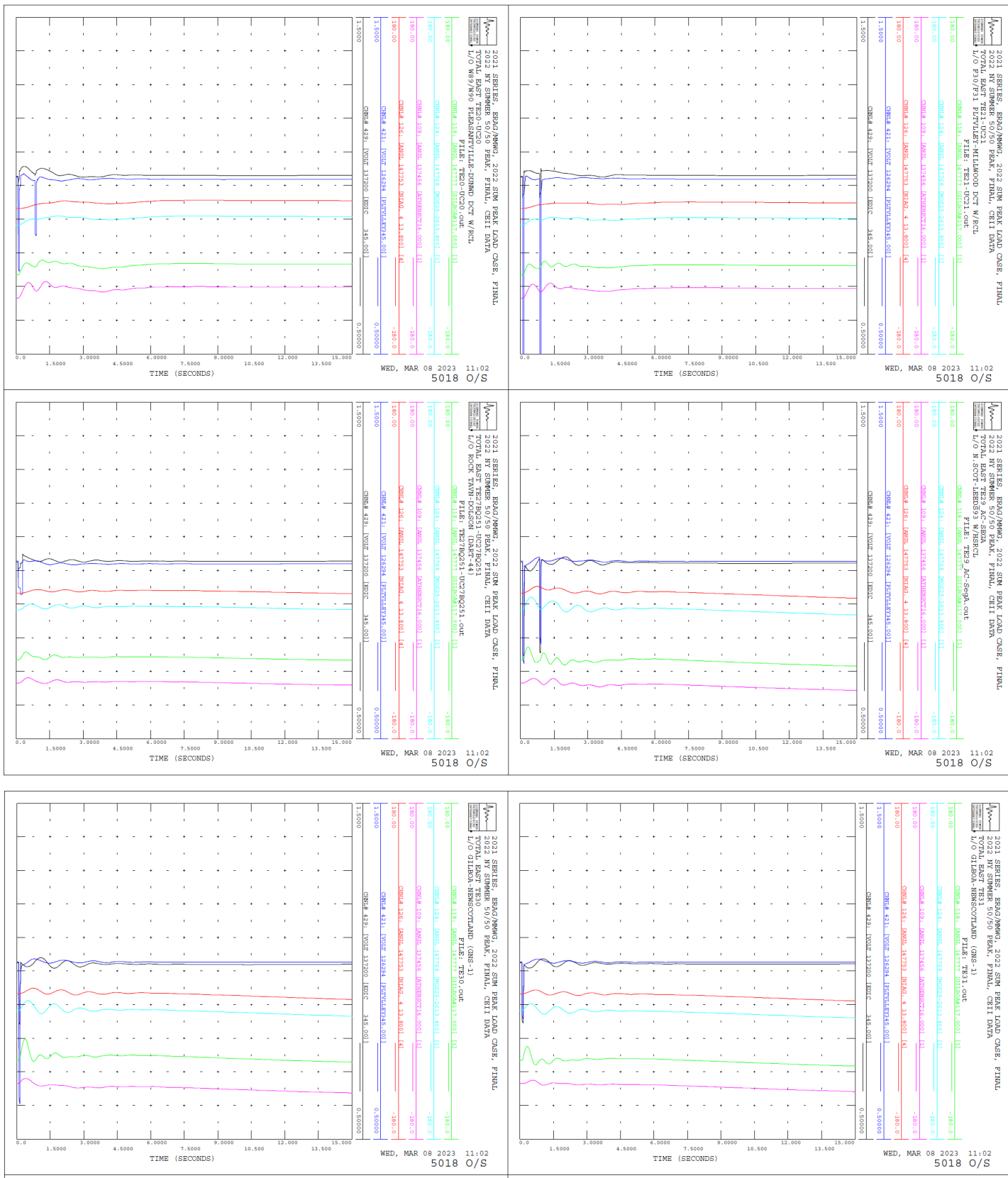


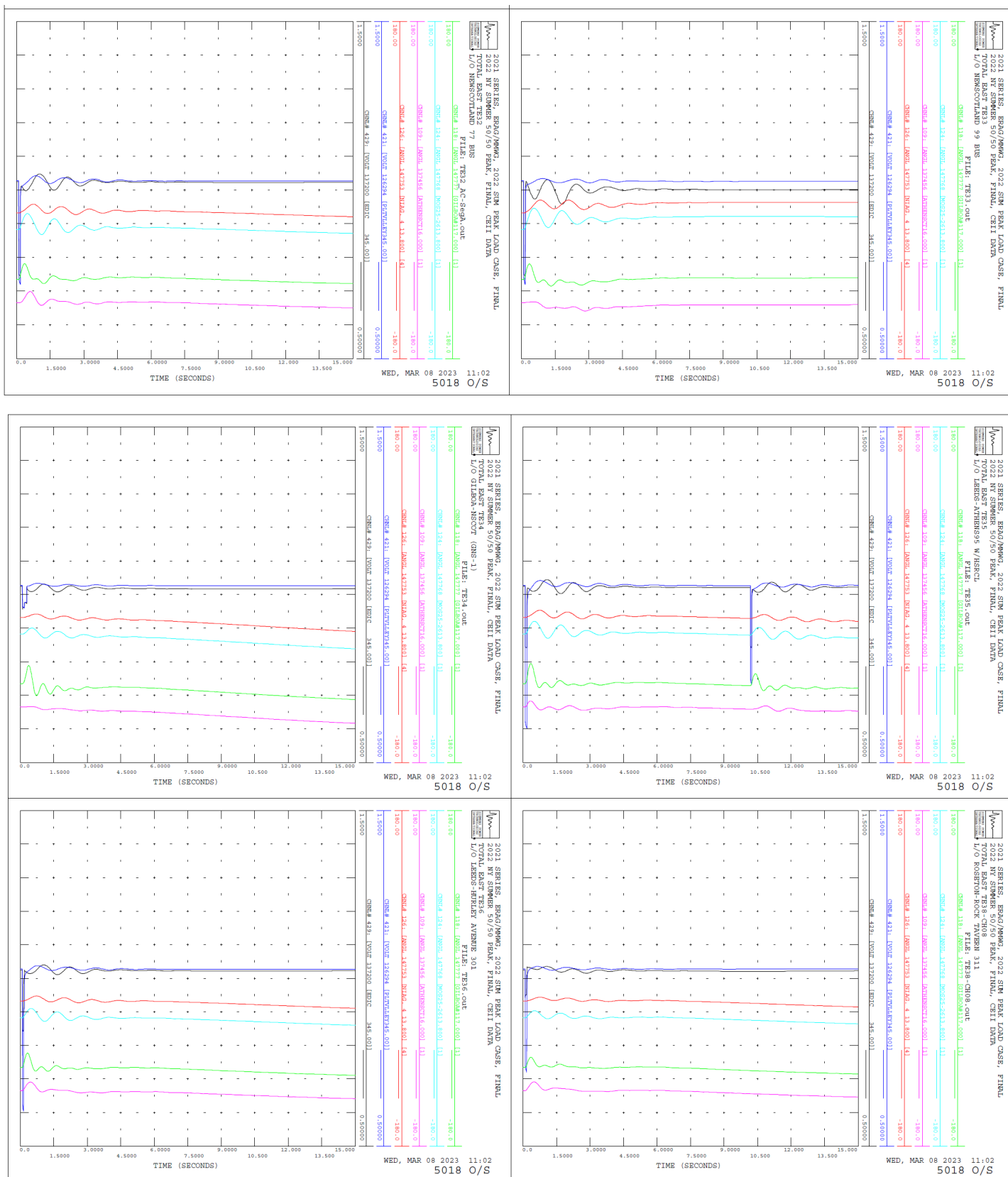


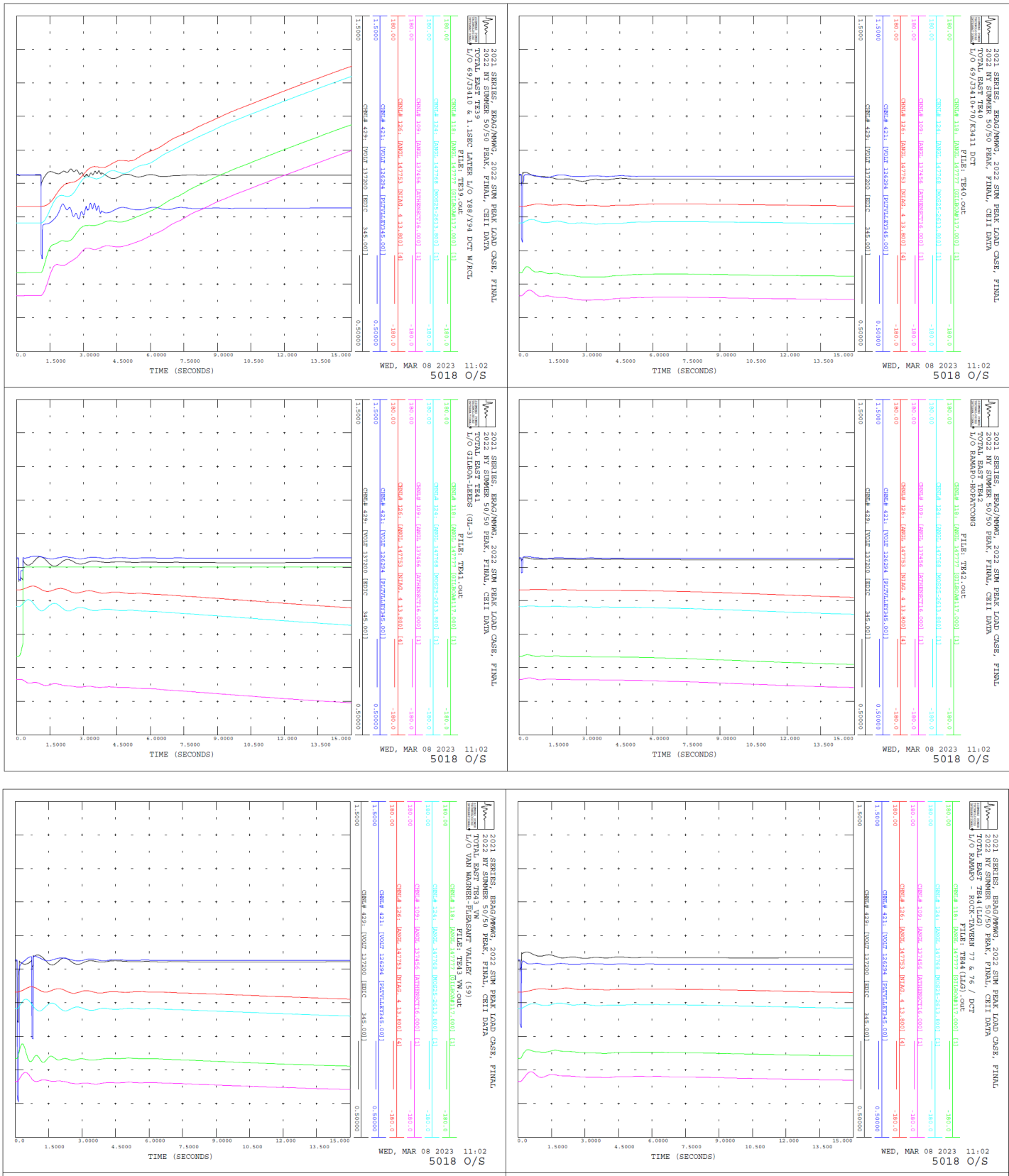


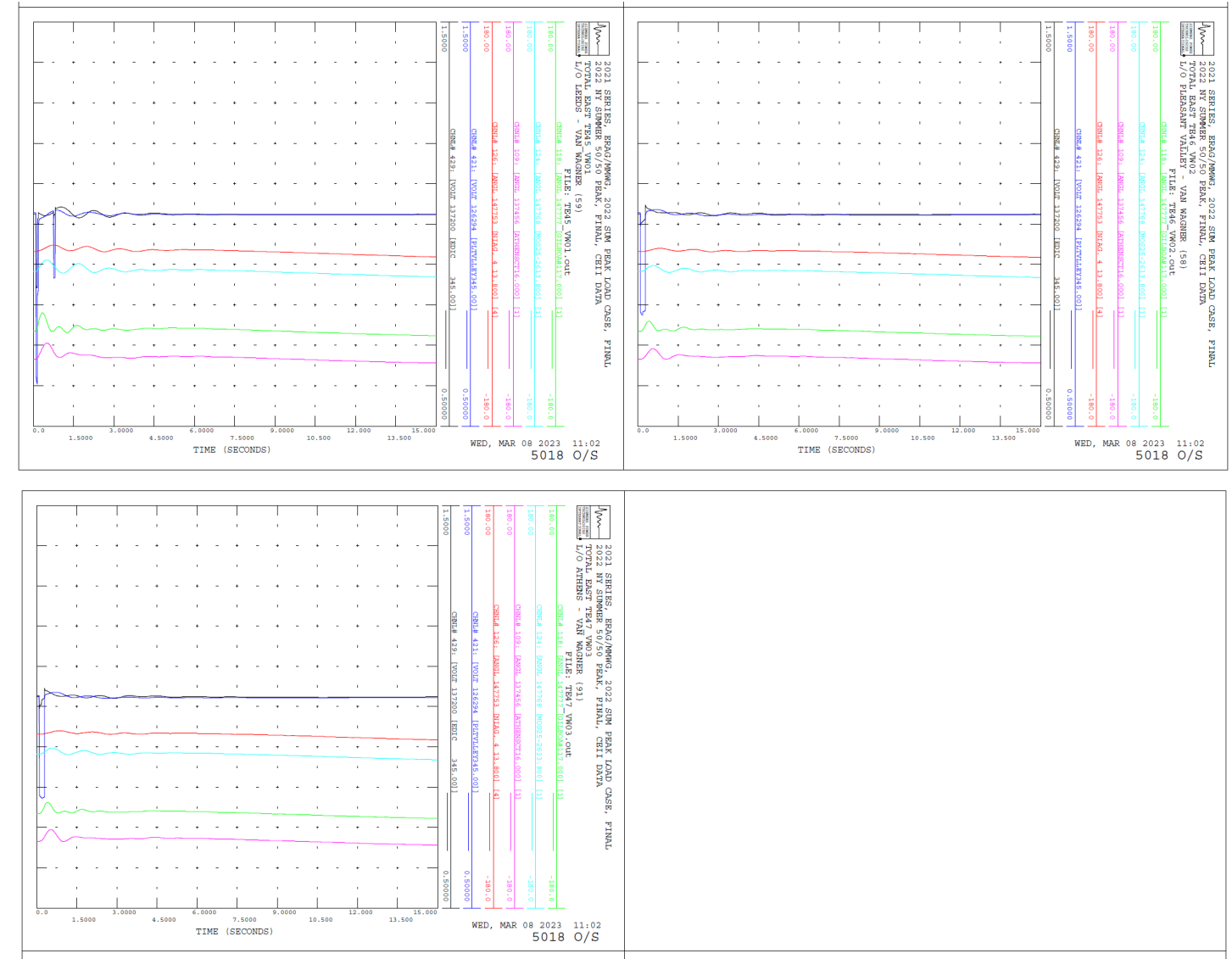












Appendix C: Transfer Case Interface Flow Report/Angle and Voltage Responses for 5018 O/S and Any SVC/Statcom O/S

INTERFACE FLOW REPORT

Interface	MW	MVAr	Interface	MW	MVAr
DYSINGER-EAST	2219.1	-303.9	DYSE-CLOSE	5688.2	-295.2
WEST-CENTRAL	912.5	-10.7	WESTC-CLOSE	4381.2	264.5
VOLNEY-EAST	3328.0	-324.2	VOLNEY-CLOSE	5425.6	61.5
MOSES-SOUTH	2895.0	425.7	MOSES-CLOSE	2500.9	331.2
CENTRAL-EAST	2896.2	-781.3	TOTAL-EAST	5917.3	-1361.1
UPNY-SENY	3690.2	-463.1	UPNY-SENY-CL	5720.1	-151.8
UPNY-CONED	7367.6	-76.3	UPNY-CON-CL	9171.7	182.8
MILLWOOD-SO	7339.9	-258.3	LIPA-IMPORT	1729.0	148.6
DNWDIE-SO-PL	5401.8	-1423.3	DNWDIE-SO-PC	7205.9	-1164.2
DNWDIE-SO-OP	4478.0	-1205.8	ABC-JK-PAR	989.9	346.0
SENY-115kV	155.9	-79.9	SENY-F-To-G	1888.0	-99.2
PJM-NY	3105.4	-169.7	NE-NY-WCSC	237.8	43.8
ON-NY	2017.9	312.0	ONT-MICH-PAR	-2.0	-23.8

ANGLE AND VOLTAGE RESPONSES

