



DYSINGER EAST STABILITY LIMIT ANALYSIS FOR ALL LINES IN- SERVICE AND OUTAGE CONDITIONS (DE-21) APPENDICES

A Report by the
New York Independent System Operator

December 2021

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Appendix A: Phase 1

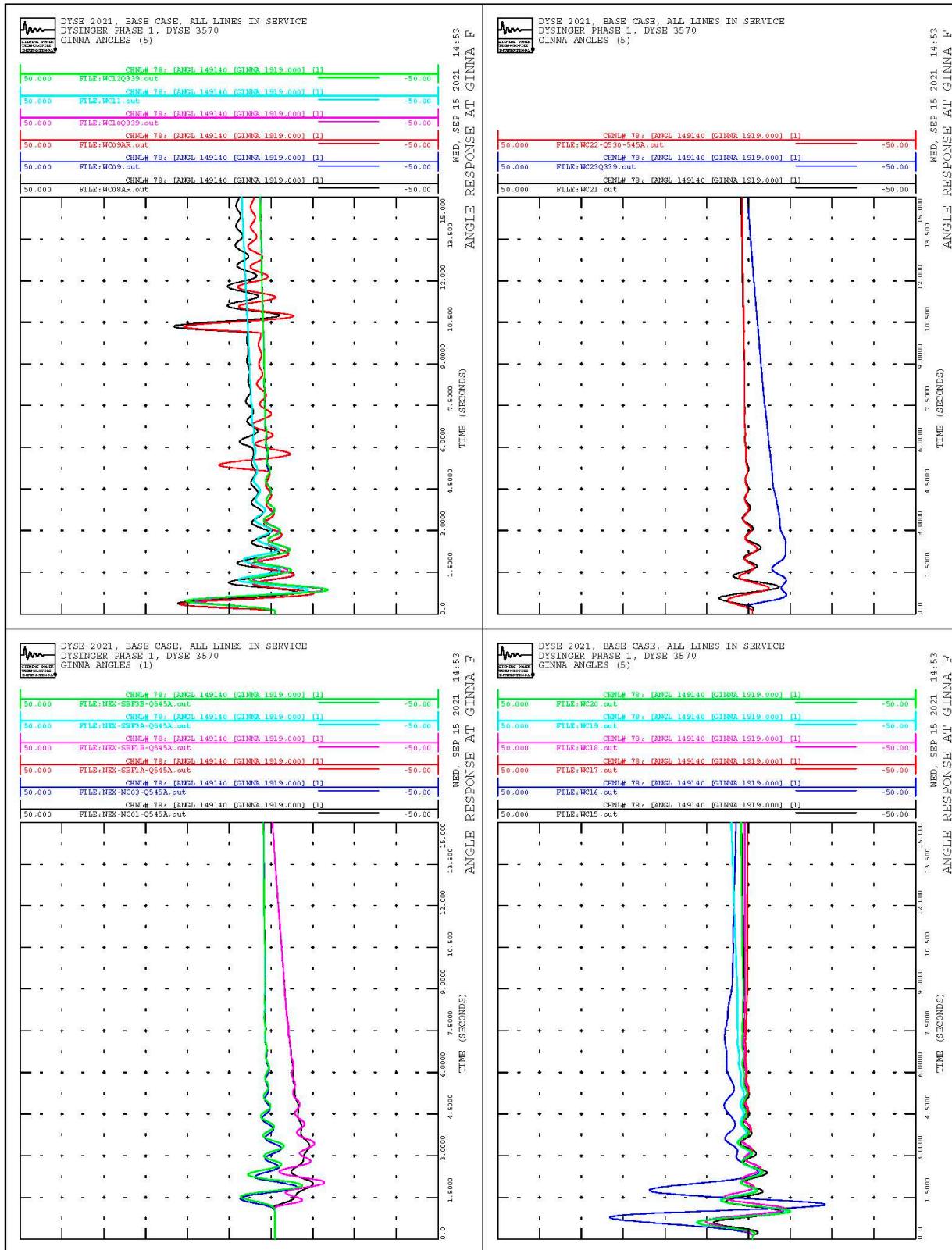
All Lines In-Service

Interface Flow Report

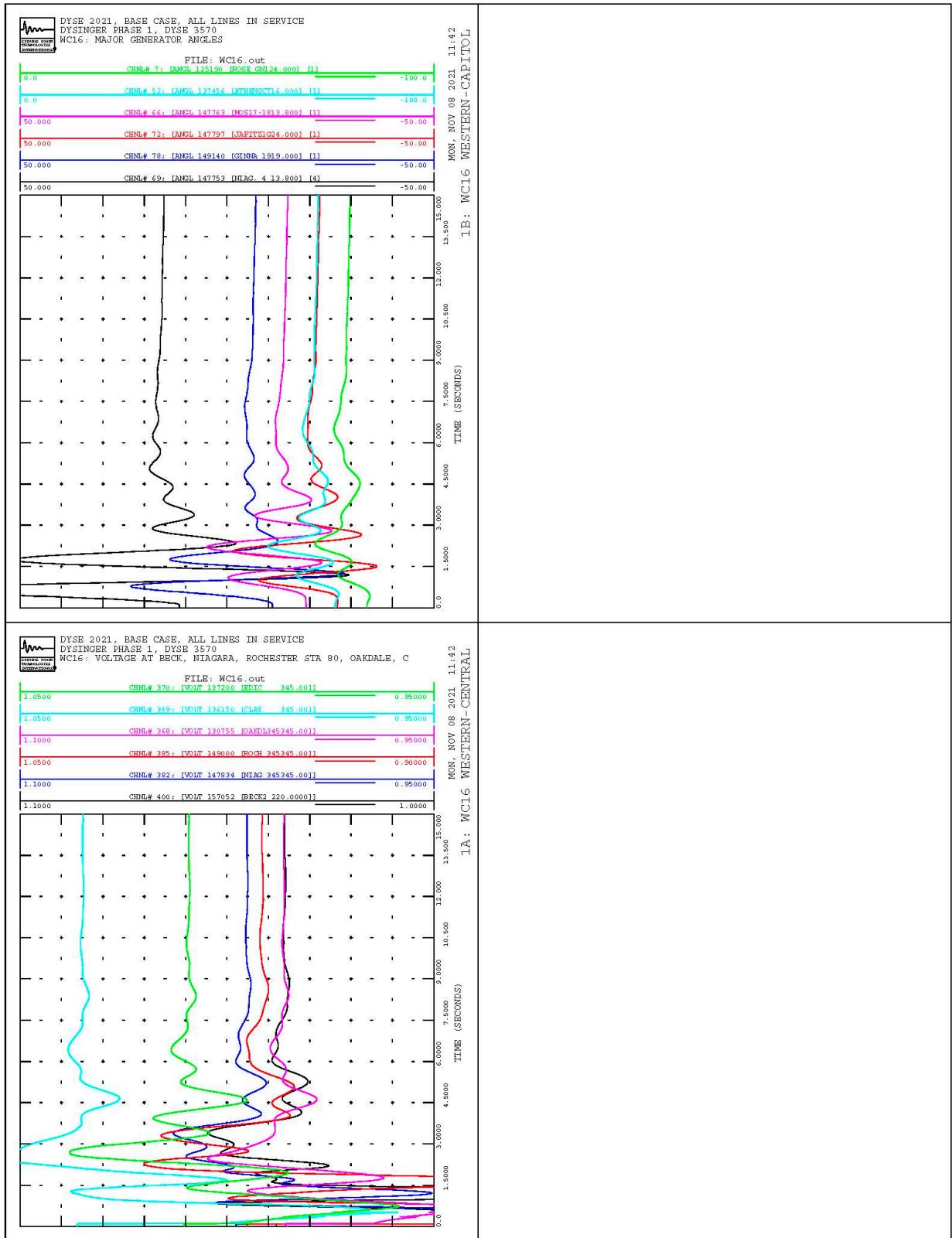
CASE :DYSE 2021, BASE CASE, ALL LINES IN SERVICE
DYSINGER PHASE 1, DYSE 3570

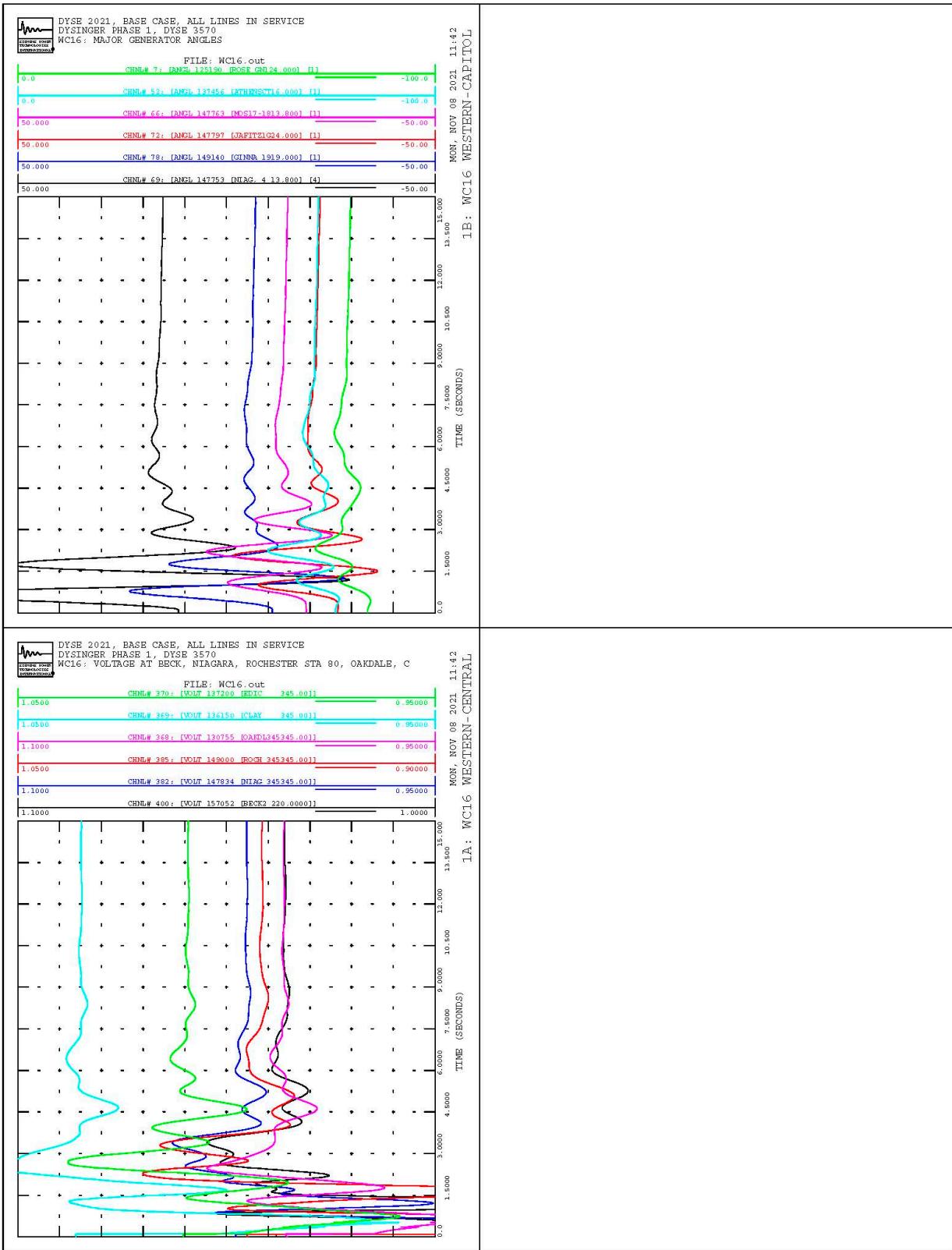
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYSINGER-EAS	3571.2	-397.9	DYSE-CLOSE	6010.2	-749.0
WEST-CENTRAL	2119.5	-550.5	WESTC-CLOSE	4637.4	-637.3
VOLNEY-EAST	4075.6	198.0	VOLNEY-CLOSE	5954.4	97.6
MOSES-SOUTH	2537.7	-76.5	MOSES-CLOSE	2004.6	201.3
CENTRAL-EAST	2904.9	-836.3	TOTAL-EAST	6873.2	-1597.3
UPNY-SENY	6549.2	-11.0	UPNY-SENY-CL	7853.6	29.7
UPNY-CONED	6664.5	216.2	UPNY-CON-CL	8387.1	77.8
MILLWOOD-SO	7778.7	-415.4	LIPA-IMPORT	2006.3	15.2
DNWDIE-SO-PL	4641.5	-950.6	DNWDIE-SO-PC	6364.1	-1089.0
DNWDIE-SO-OP	3724.6	-711.5	ABC-JK-PAR	-19.5	404.5
SENY-115kV	341.7	-74.2	SENY-F-To-G	3905.4	264.4
PJM-NY	1683.3	-0.7	NE-NY-WCSC	312.6	24.9
ON-NY	3872.4	312.7	ONT-MICH-PAR	478.9	-12.0
CONED-345	2313.1	-873.2	CONED-138	1112.6	-159.0
Y49-Y50	1215.8	81.5	138-POCKET	1956.0	185.7
AST-POCKET	1356.2	106.3	GRNWD-POCKET	806.5	137.8
STAT-POCKET	310.2	-12.8	E13-POCKET	311.1	-9.0
W49-POCKET	1357.0	-465.5	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.1	-67.1
ON-MAN-MIN	0.1	-30.1	UPNY-SENY-M	5273.8	73.5
EAST-HOLBRK	576.8	-87.8	NEWBRIDGE-E	-221.5	-120.2
AR-3-BULK-T	1411.0	357.1	AR-4-BULK-T	-737.2	217.7
AR-5-BULK-T	2860.7	326.4	AR-6-BULK-T	1125.8	5.8
AR-7-BULK-T	1552.4	318.9	AR-8-BULK-T	423.4	20.9
AR-3-TO-8-T	6636.1	1246.7	DNWDIE-SO-OC	4358.1	-875.5
I-TO-J	3425.7	-1032.2	CE+FRAS-GILB	3538.2	-1052.3
CE-GROUP	5604.1	-1474.2	HUDSONVALLEY	17855.2	-745.5
SENY-E-TO-G	2099.6	-434.5	UPNY-SENY-MC	6131.0	168.1
NORTH-CTY-EXPORT	285.6	28.6	Northern Export	700.6	-7.1



Angle and Voltage Response for Contingency





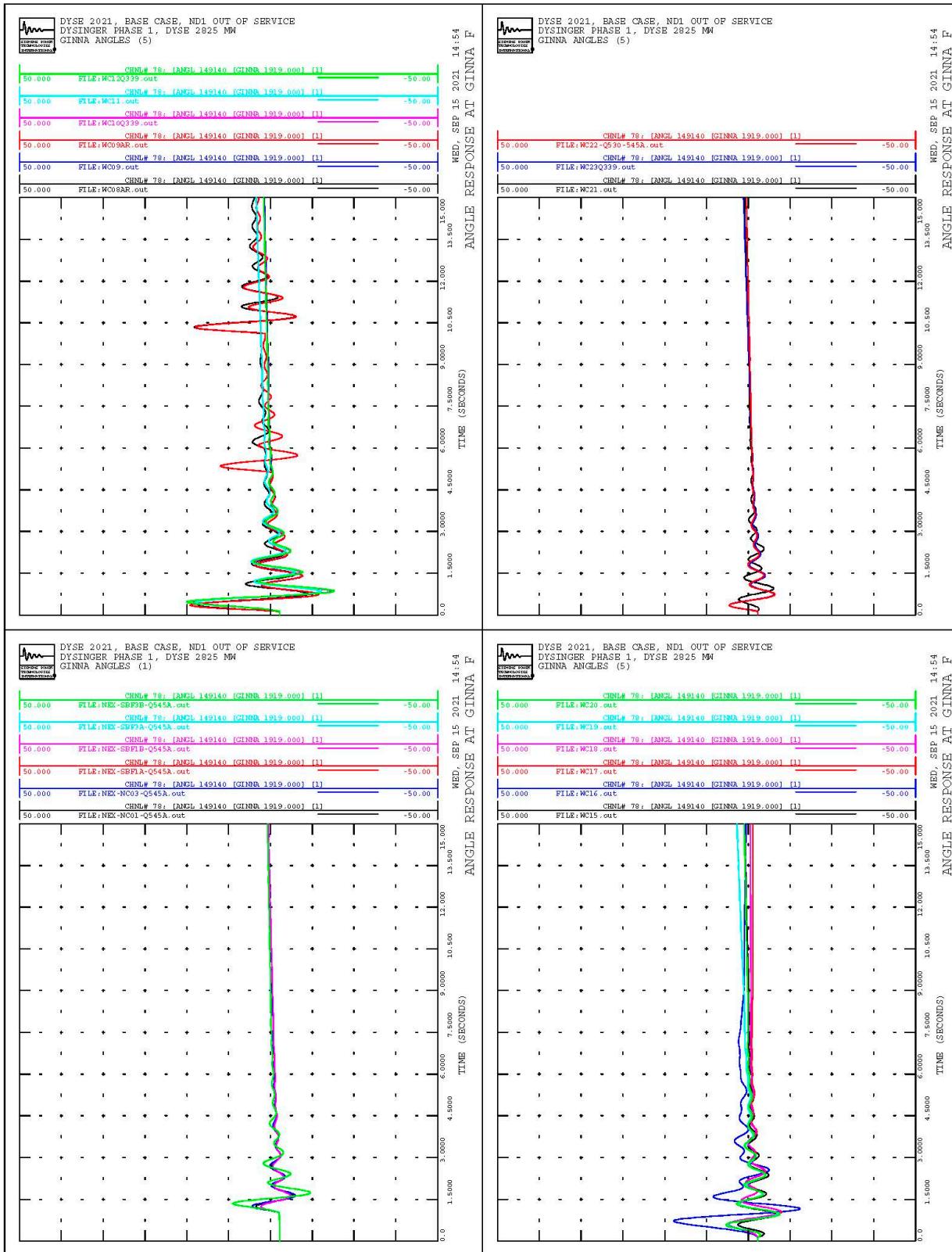
ND1 Out-of-Service

Interface Flow Report

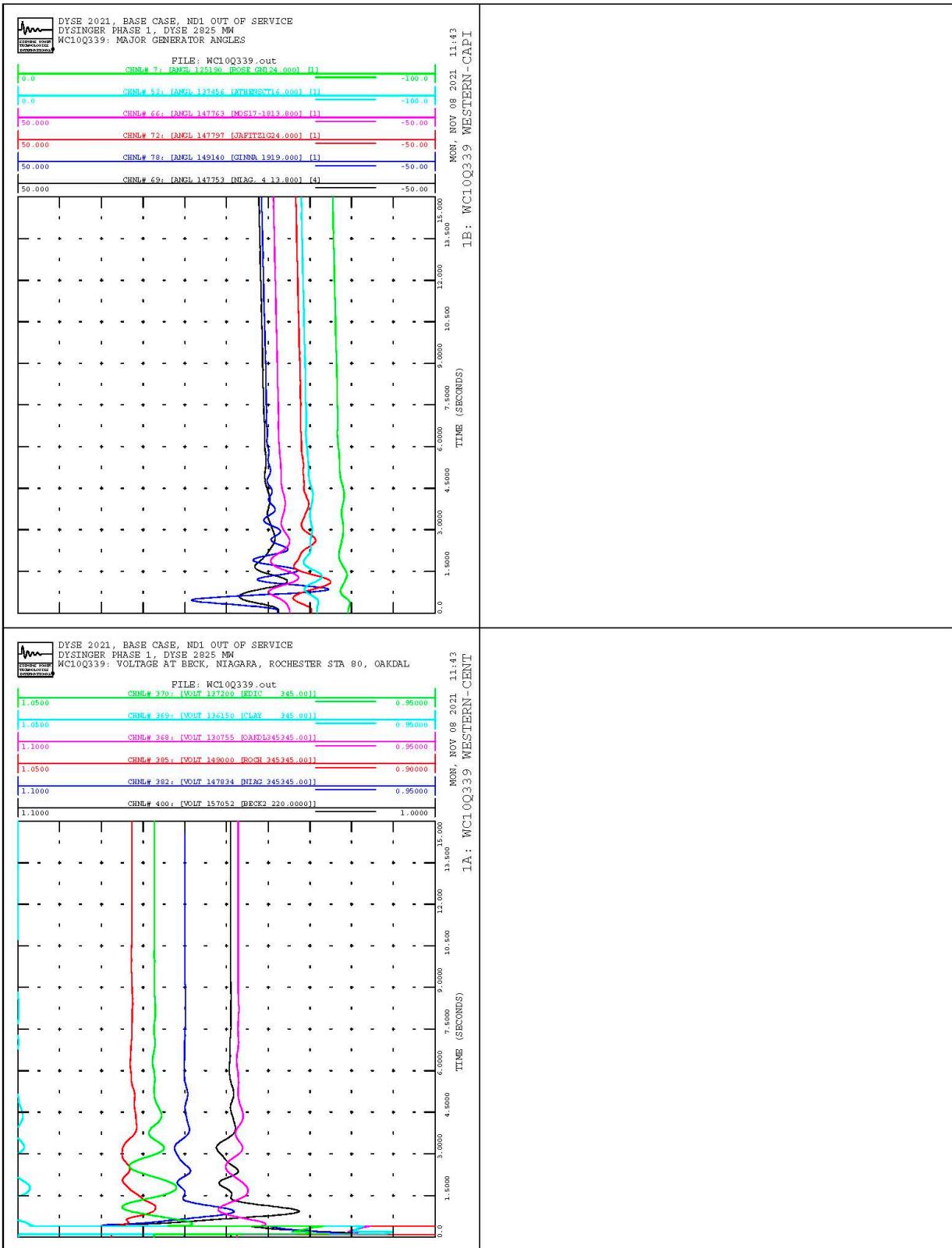
CASE :DYSE 2021, BASE CASE, ND1 OUT OF SERVICE
 DYSINGER PHASE 1, DYSE 2825 MW

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYSINGER-EAS	2720.9	-692.6	DYSE-CLOSE	5116.0	-1048.0
WEST-CENTRAL	1346.0	-187.9	WESTC-CLOSE	3741.1	-278.6
VOLNEY-EAST	4131.2	272.1	VOLNEY-CLOSE	5953.3	202.6
MOSES-SOUTH	2497.1	-106.7	MOSES-CLOSE	2004.6	140.3
CENTRAL-EAST	2918.1	-806.9	TOTAL-EAST	6876.8	-1514.4
UPNY-SENY	6557.5	22.6	UPNY-SENY-CL	7857.5	62.2
UPNY-CONED	6666.8	221.8	UPNY-CON-CL	8389.5	85.6
MILLWOOD-SO	7780.8	-406.8	LIPA-IMPORT	2006.3	16.2
DNWDIE-SO-PL	4643.3	-943.2	DNWDIE-SO-PC	6366.0	-1079.5
DNWDIE-SO-OP	3727.3	-705.1	ABC-JK-PAR	-24.9	403.8
SENY-115kV	342.5	-72.9	SENY-F-To-G	3911.6	272.7
PJM-NY	1660.0	-73.2	NE-NY-WCSC	312.5	14.0
ON-NY	3899.5	225.3	ONT-MICH-PAR	455.3	-8.8
CONED-345	2316.6	-867.4	CONED-138	1111.8	-158.8
Y49-Y50	1214.8	82.9	138-POCKET	1955.3	187.2
AST-POCKET	1357.2	107.2	GRNWD-POCKET	806.6	138.0
STAT-POCKET	310.3	-12.5	E13-POCKET	311.2	-8.6
W49-POCKET	1357.3	-463.8	EVIEW-POCKET	546.9	405.3
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.3
ON-MAN-MIN	-0.3	-30.1	UPNY-SENY-M	5283.9	91.3
EAST-HOLBRK	576.8	-87.9	NEWBRIDGE-E	-222.2	-119.1
AR-3-BULK-T	1534.5	321.3	AR-4-BULK-T	-712.8	233.2
AR-5-BULK-T	2843.8	333.7	AR-6-BULK-T	1129.0	13.2
AR-7-BULK-T	1552.1	316.4	AR-8-BULK-T	423.4	21.0
AR-3-TO-8-T	6769.9	1238.7	DNWDIE-SO-OC	4360.0	-866.7
I-TO-J	3428.4	-1026.2	CE+FRAS-GILB	3543.1	-995.7
CE-GROUP	5618.8	-1391.7	HUDSONVALLEY	17867.5	-698.8
SENY-E-TO-G	2109.6	-407.5	UPNY-SENY-MC	6134.7	198.4
NORTH-CTY-EXPORT	285.6	19.6	Northern Export	700.2	-44.8



Angle and Voltage Response for Contingency



L38 Out-of-Service

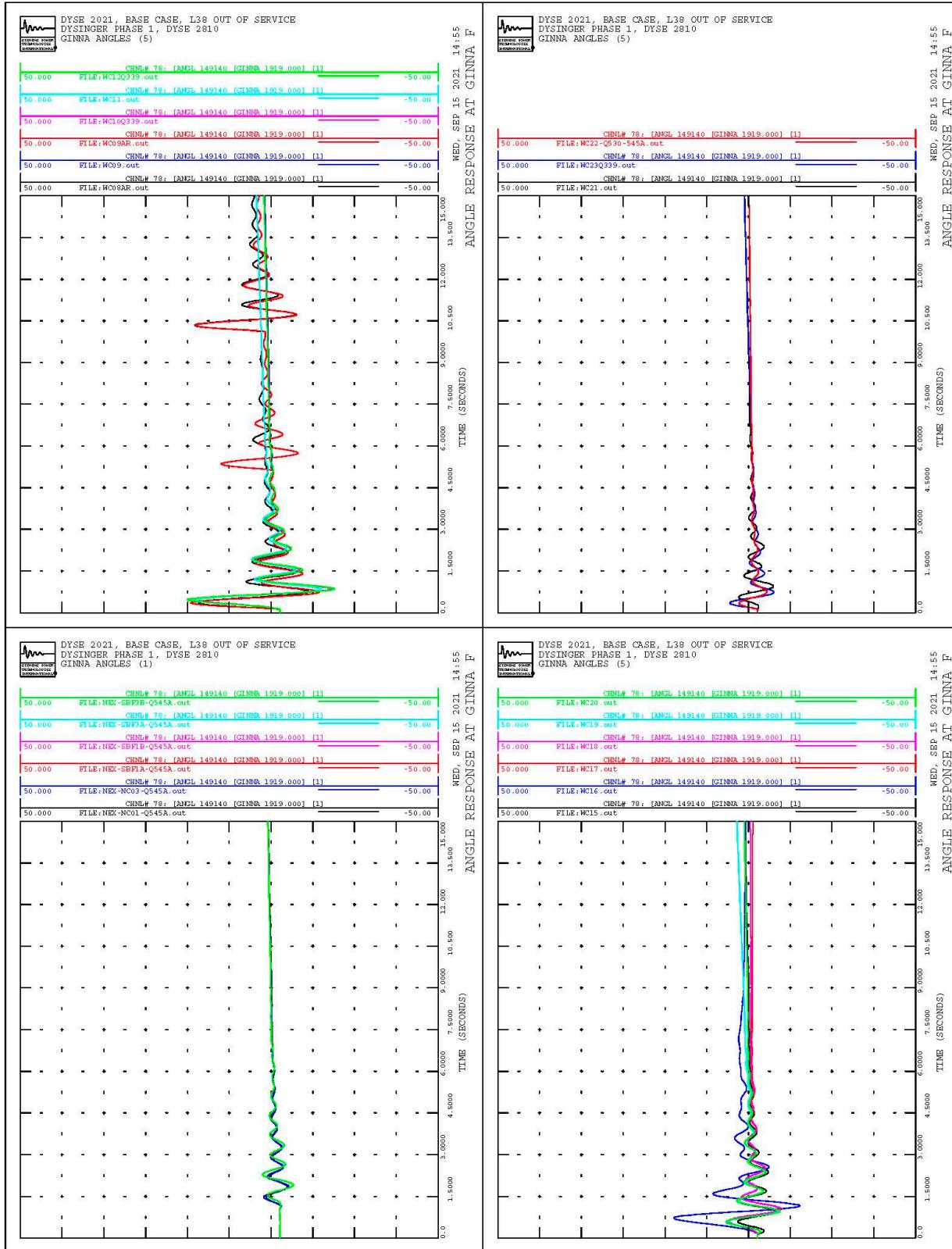
Interface Flow Report

CASE :DYSE 2021, BASE CASE, L38 OUT OF SERVICE
 DYSINGER PHASE 1, DYSE 2810

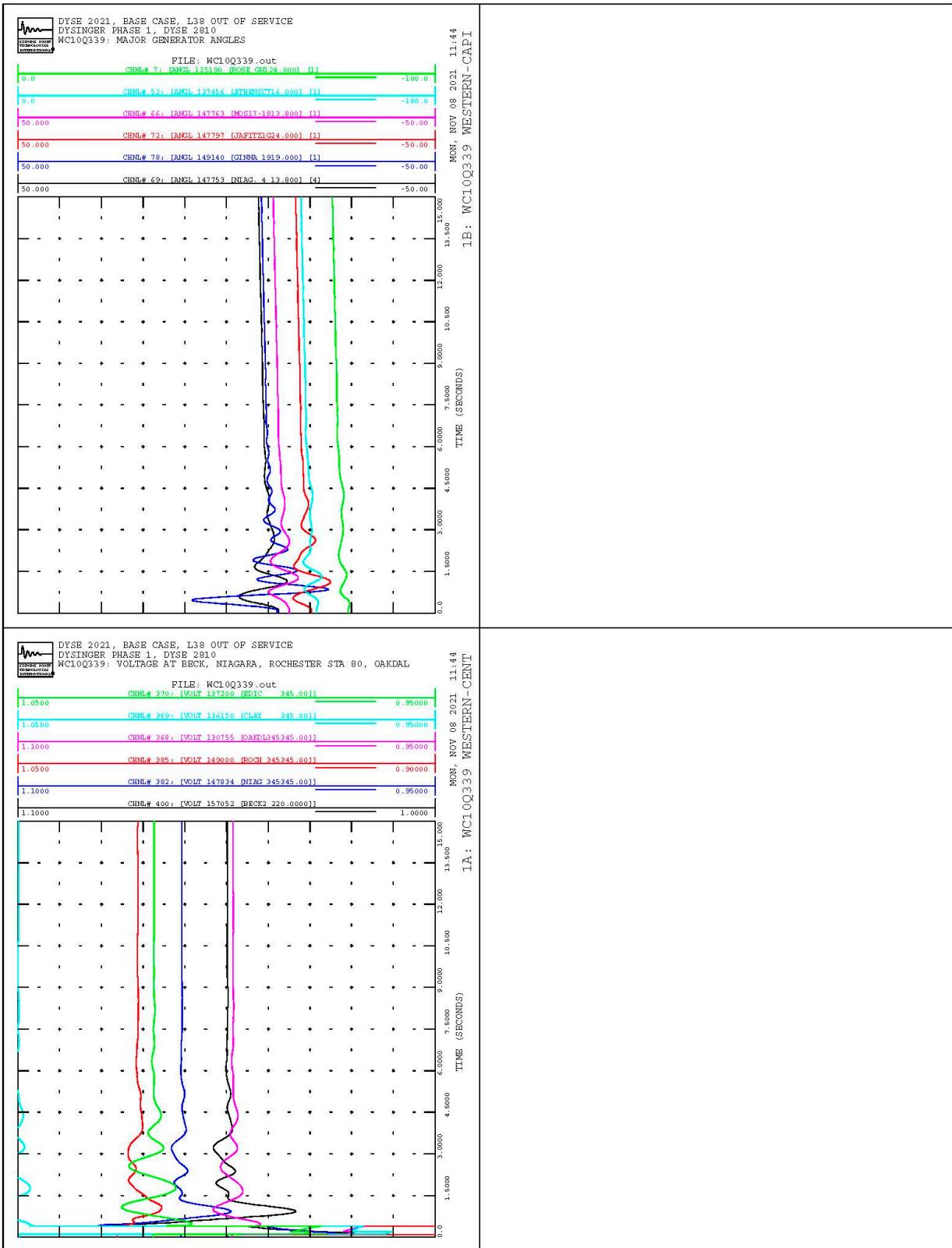
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYSINGER-EAS	2720.0	-697.1	DYSE-CLOSE	5115.7	-1058.1
WEST-CENTRAL	1345.4	-193.0	WESTC-CLOSE	3741.1	-289.3
VOLNEY-EAST	4131.6	273.5	VOLNEY-CLOSE	5953.2	203.9
MOSES-SOUTH	2496.9	-107.2	MOSES-CLOSE	2004.6	139.6
CENTRAL-EAST	2917.3	-806.1	TOTAL-EAST	6876.8	-1510.1
UPNY-SENY	6557.8	24.4	UPNY-SENY-CL	7857.5	63.8
UPNY-CONED	6666.9	222.1	UPNY-CON-CL	8389.6	85.9
MILLWOOD-SO	7780.9	-406.4	LIPA-IMPORT	2006.3	16.3
DNWDIE-SO-PL	4643.4	-942.8	DNWDIE-SO-PC	6366.1	-1079.0
DNWDIE-SO-OP	3727.4	-704.7	ABC-JK-PAR	-25.1	403.7
SENY-115kV	342.5	-72.8	SENY-F-To-G	3911.5	273.1
PJM-NY	1659.8	-79.2	NE-NY-WCSC	312.5	13.5
ON-NY	3899.4	220.1	ONT-MICH-PAR	455.4	-8.7
CONED-345	2316.7	-867.1	CONED-138	1111.8	-158.7
Y49-Y50	1214.9	83.0	138-POCKET	1955.3	187.3
AST-POCKET	1357.2	107.2	GRNWD-POCKET	806.6	138.0
STAT-POCKET	310.3	-12.5	E13-POCKET	311.2	-8.5
W49-POCKET	1357.3	-463.7	EVIEW-POCKET	546.9	405.3
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.3
ON-MAN-MIN	-0.3	-30.1	UPNY-SENY-M	5284.0	92.3
EAST-HOLBRK	576.8	-87.9	NEWBRIDGE-E	-222.2	-119.1
AR-3-BULK-T	1534.2	308.0	AR-4-BULK-T	-712.8	233.5
AR-5-BULK-T	2843.8	333.3	AR-6-BULK-T	1129.0	13.5
AR-7-BULK-T	1552.1	316.4	AR-8-BULK-T	423.4	21.0
AR-3-TO-8-T	6769.6	1225.7	DNWDIE-SO-OC	4360.0	-866.3
I-TO-J	3428.5	-1025.8	CE+FRAS-GILB	3542.8	-992.9
CE-GROUP	5619.1	-1387.3	HUDSONVALLEY	17868.2	-696.3
SENY-E-TO-G	2110.2	-405.9	UPNY-SENY-MC	6134.9	200.1
NORTH-CTY-EXPORT	285.6	19.5	Northern Export	700.2	-45.2

FINAL



Angle and Voltage Response for Contingency



Appendix B: Phase 2

All Lines In-Service

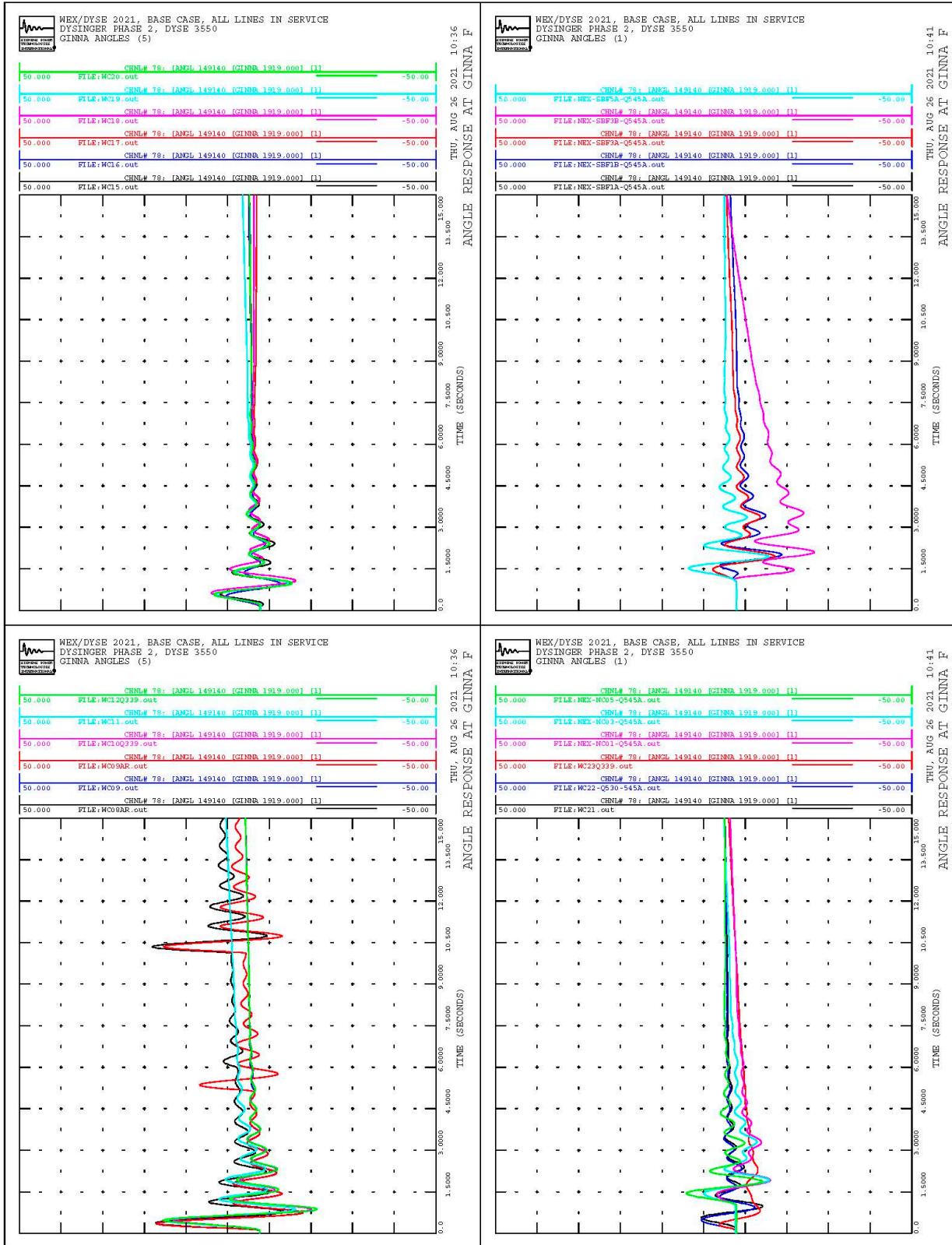
Interface Flow Report

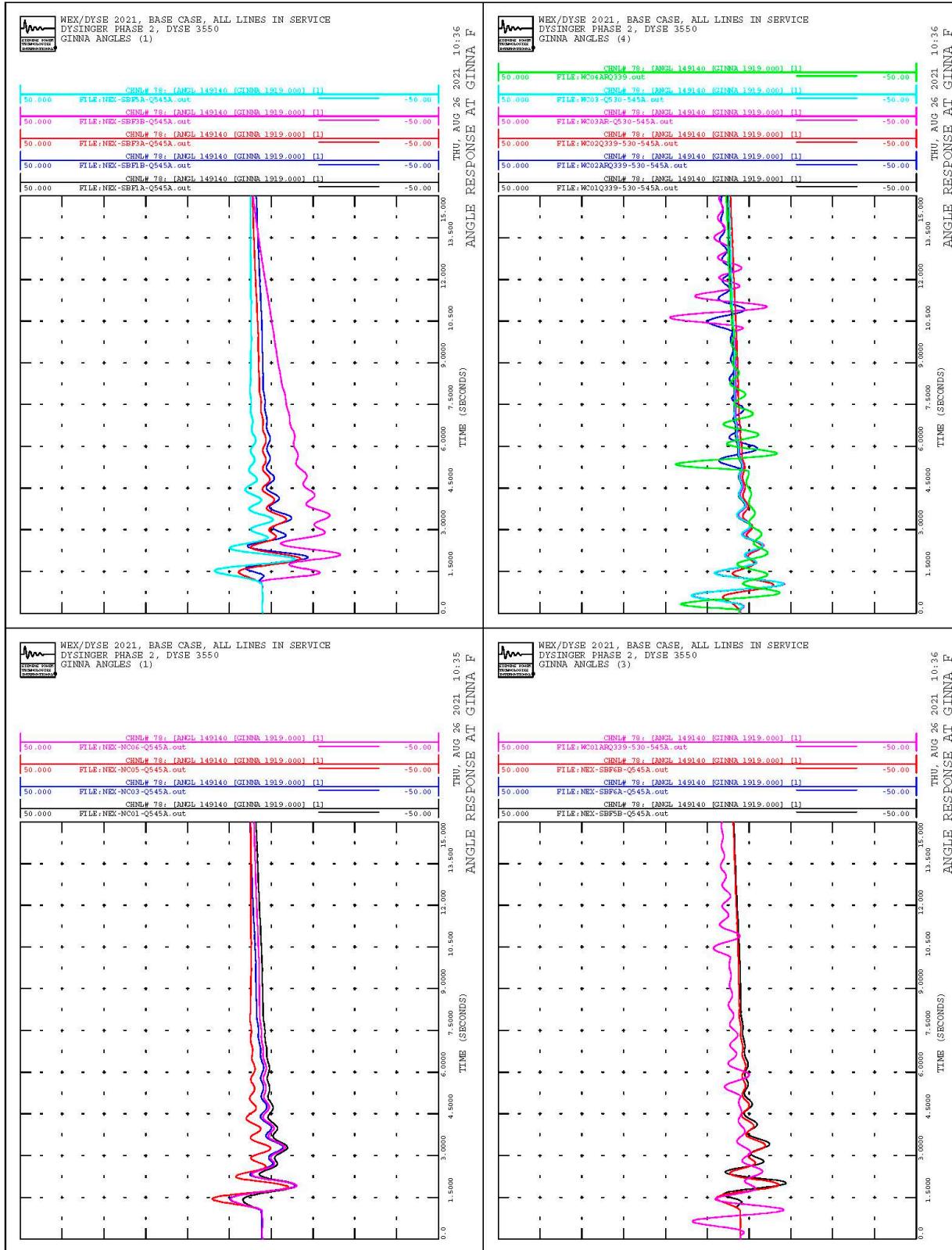
CASE :DYSE 2021, BASE CASE, ALL LINES IN SERVICE
DYSINGER PHASE 2, DYSE 3570

INTERFACE FLOW REPORT

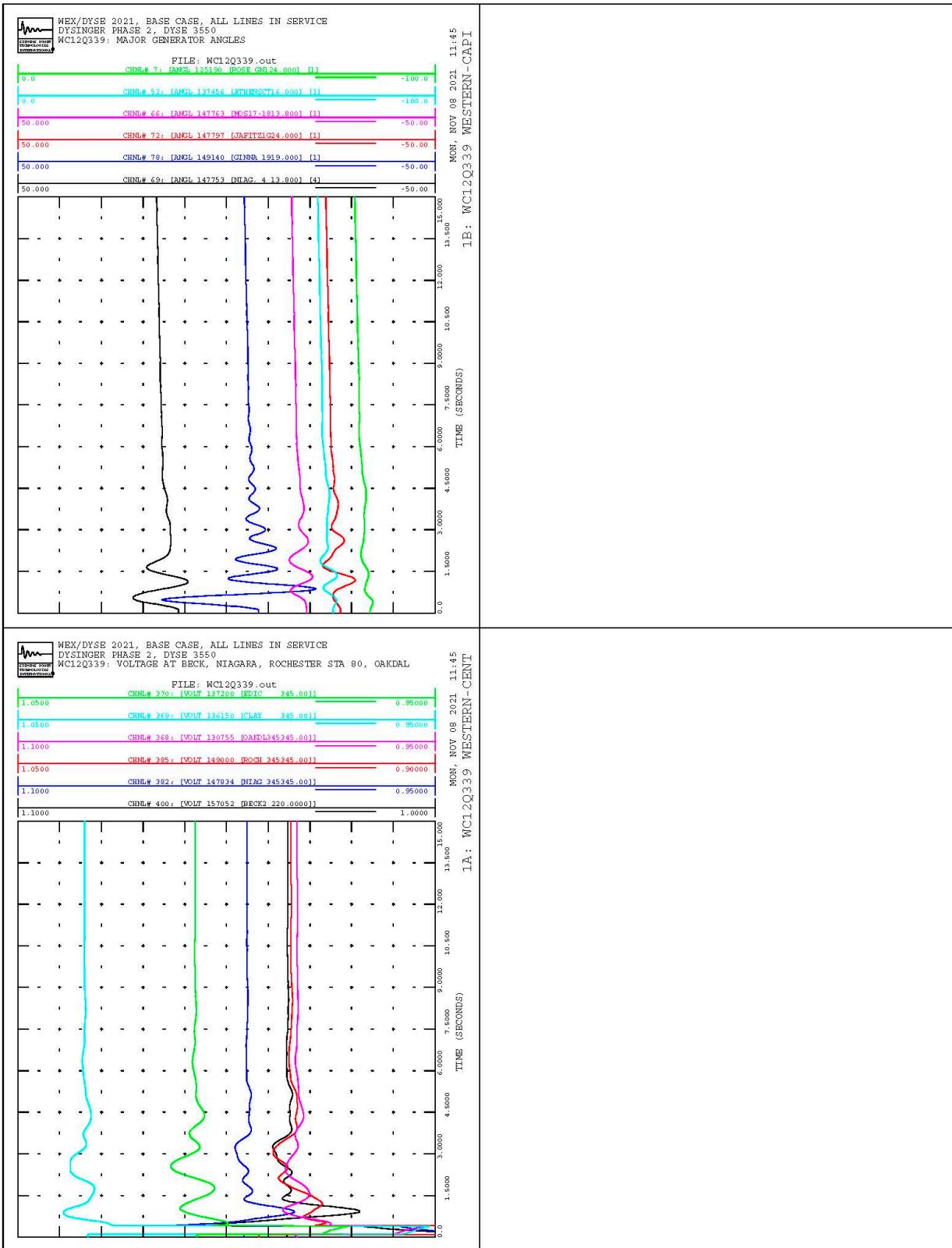
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DYSINGER-EAS	3571.2	-397.9	DYSE-CLOSE	6010.2	-749.0
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VOLNEY-EAST	4075.6	198.0	VOLNEY-CLOSE	5954.4	97.6
MOSES-SOUTH	2537.7	-76.5	MOSES-CLOSE	2004.6	201.3
CENTRAL-EAST	2904.9	-836.3	TOTAL-EAST	6873.2	-1597.3
UPNY-SENY	6549.2	-11.0	UPNY-SENY-CL	7853.6	29.7
UPNY-CONED	6664.5	216.2	UPNY-CON-CL	8387.1	77.8
MILLWOOD-SO	7778.7	-415.4	LIPA-IMPORT	2006.3	15.2
DNWDIE-SO-PL	4641.5	-950.6	DNWDIE-SO-PC	6364.1	-1089.0
DNWDIE-SO-OP	3724.6	-711.5	ABC-JK-PAR	-19.5	404.5
SENY-115kV	341.7	-74.2	SENY-F-To-G	3905.4	264.4
PJM-NY	1683.3	-0.7	NE-NY-WCSC	312.6	24.9
ON-NY	3872.4	312.7	ONT-MICH-PAR	478.9	-12.0
CONED-345	2313.1	-873.2	CONED-138	1112.6	-159.0
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AST-POCKET	1356.2	106.3	GRNWD-POCKET	806.5	137.8
STAT-POCKET	310.2	-12.8	E13-POCKET	311.1	-9.0
W49-POCKET	1357.0	-465.5	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.1	-67.1
ON-MAN-MIN	0.1	-30.1	UPNY-SENY-M	5273.8	73.5
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AR-3-BULK-T	1411.0	357.1	AR-4-BULK-T	-737.2	217.7
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AR-3-TO-8-T	6636.1	1246.7	DNWDIE-SO-OC	4358.1	-875.5
I-TO-J	3425.7	-1032.2	CE+FRAS-GILB	3538.2	-1052.3
CE-GROUP	5604.1	-1474.2	HUDSONVALLEY	17855.2	-745.5
SENY-E-TO-G	2099.6	-434.5	UPNY-SENY-MC	6131.0	168.1
NORTH-CTY-EXPORT	285.6	28.6	Northern Export	700.6	-7.1

FINAL





Angle and Voltage Response for Contingency



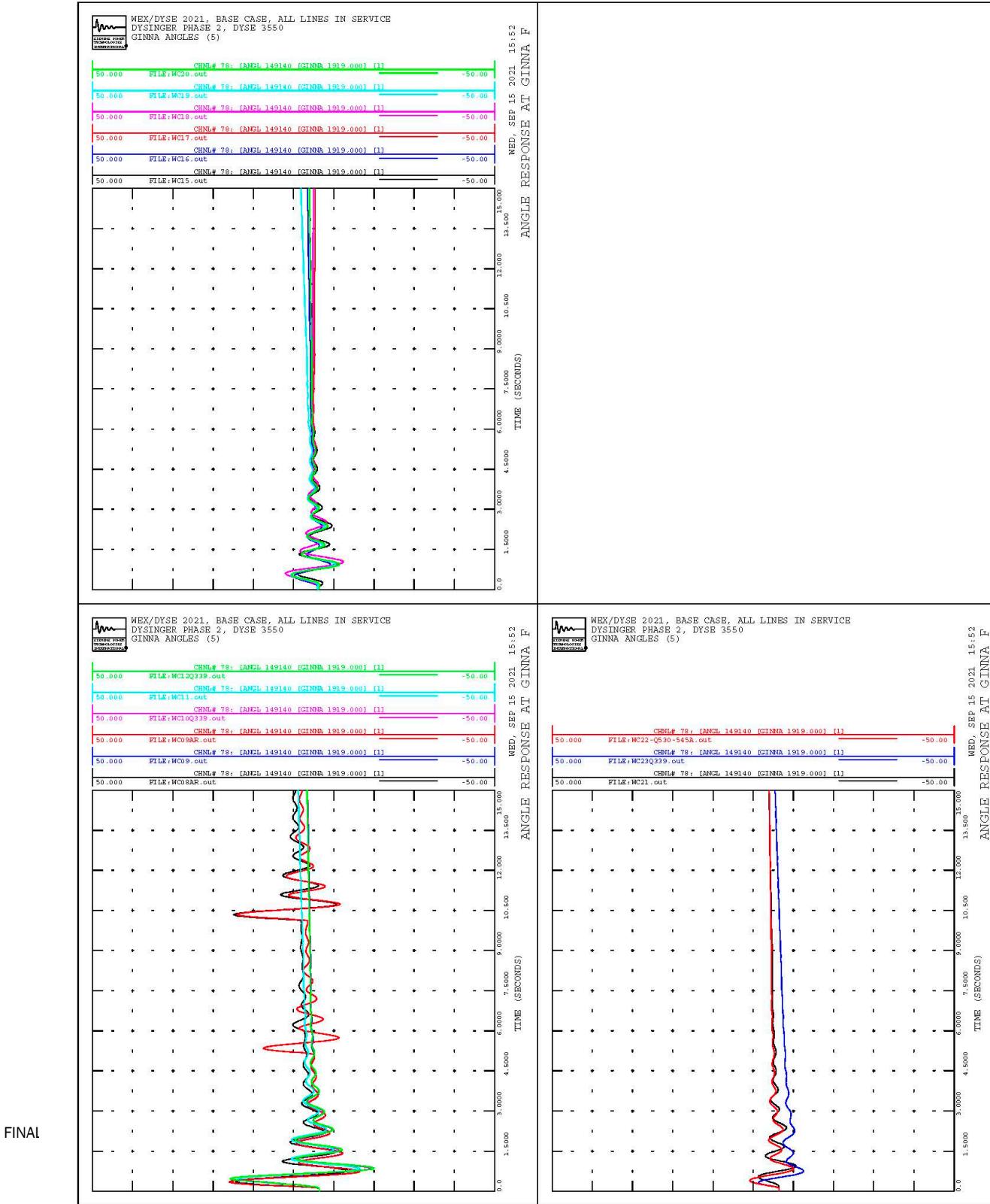
ND2 Out-of-Service

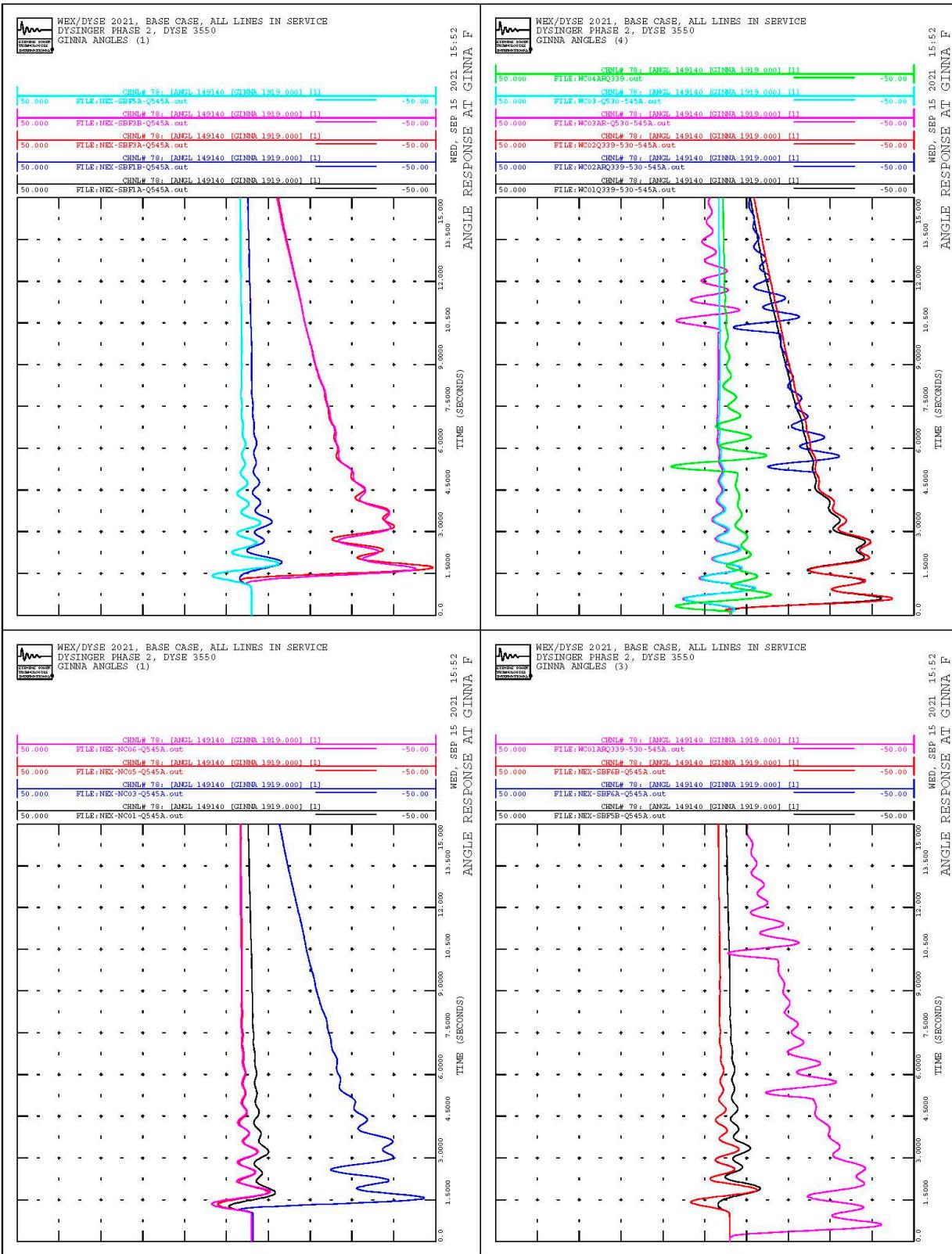
Interface Flow Report

CASE :DYSE 2021, BASE CASE, ND2 OUT OF SERVICE
 DYSINGER PHASE 2, DYSE 2910 MW

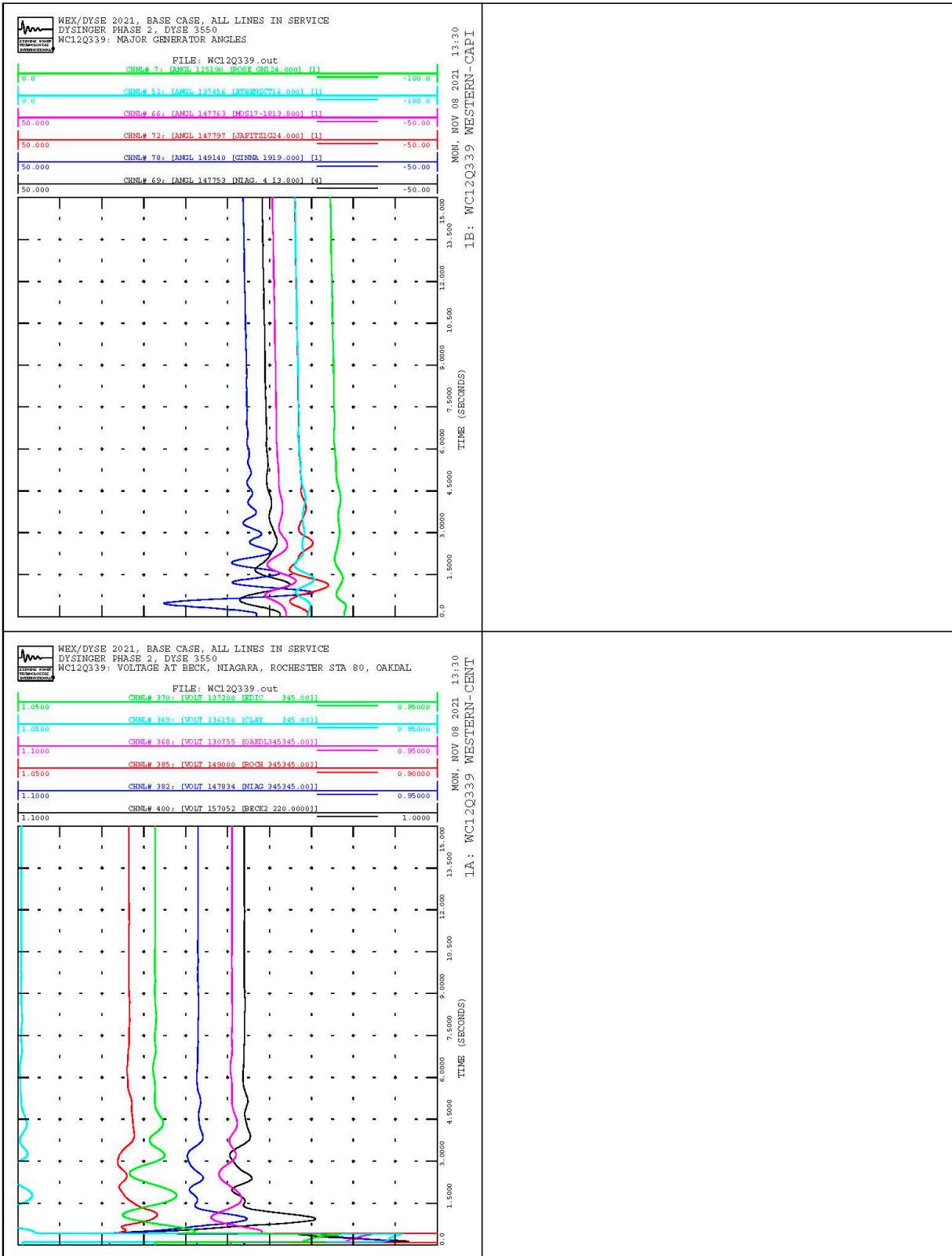
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
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VOLNEY-EAST	4131.2	272.1	VOLNEY-CLOSE	5953.3	202.6
MOSES-SOUTH	2497.1	-106.7	MOSES-CLOSE	2004.6	140.3
CENTRAL-EAST	2918.1	-806.9	TOTAL-EAST	6876.8	-1514.4
UPNY-SENY	6557.5	22.6	UPNY-SENY-CL	7857.5	62.2
UPNY-CONED	6666.8	221.8	UPNY-CON-CL	8389.5	85.6
MILLWOOD-SO	7780.8	-406.8	LIPA-IMPORT	2006.3	16.2
DNWDIE-SO-PL	4643.3	-943.2	DNWDIE-SO-PC	6366.0	-1079.5
DNWDIE-SO-OP	3727.3	-705.1	ABC-JK-PAR	-24.9	403.8
SENY-115kV	342.5	-72.9	SENY-F-To-G	3911.6	272.7
PJM-NY	1660.0	-73.2	NE-NY-WCSC	312.5	14.0
ON-NY	3899.5	225.3	ONT-MICH-PAR	455.3	-8.8
CONED-345	2316.6	-867.4	CONED-138	1111.8	-158.8
Y49-Y50	1214.8	82.9	138-POCKET	1955.3	187.2
AST-POCKET	1357.2	107.2	GRNWD-POCKET	806.6	138.0
STAT-POCKET	310.3	-12.5	E13-POCKET	311.2	-8.6
W49-POCKET	1357.3	-463.8	EVIEW-POCKET	546.9	405.3
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.3
ON-MAN-MIN	-0.3	-30.1	UPNY-SENY-M	5283.9	91.3
EAST-HOLBRK	576.8	-87.9	NEWBRIDGE-E	-222.2	-119.1
AR-3-BULK-T	1534.5	321.3	AR-4-BULK-T	-712.8	233.2
AR-5-BULK-T	2843.8	333.7	AR-6-BULK-T	1129.0	13.2
AR-7-BULK-T	1552.1	316.4	AR-8-BULK-T	423.4	21.0
AR-3-TO-8-T	6769.9	1238.7	DNWDIE-SO-OC	4360.0	-866.7
I-TO-J	3428.4	-1026.2	CE+FRAS-GILB	3543.1	-995.7
CE-GROUP	5618.8	-1391.7	HUDSONVALLEY	17867.5	-698.8
SENY-E-TO-G	2109.6	-407.5	UPNY-SENY-MC	6134.7	198.4
NORTH-CTY-EXPORT	285.6	19.6	Northern Export	700.2	-44.8





Angle and Voltage Response for Contingency



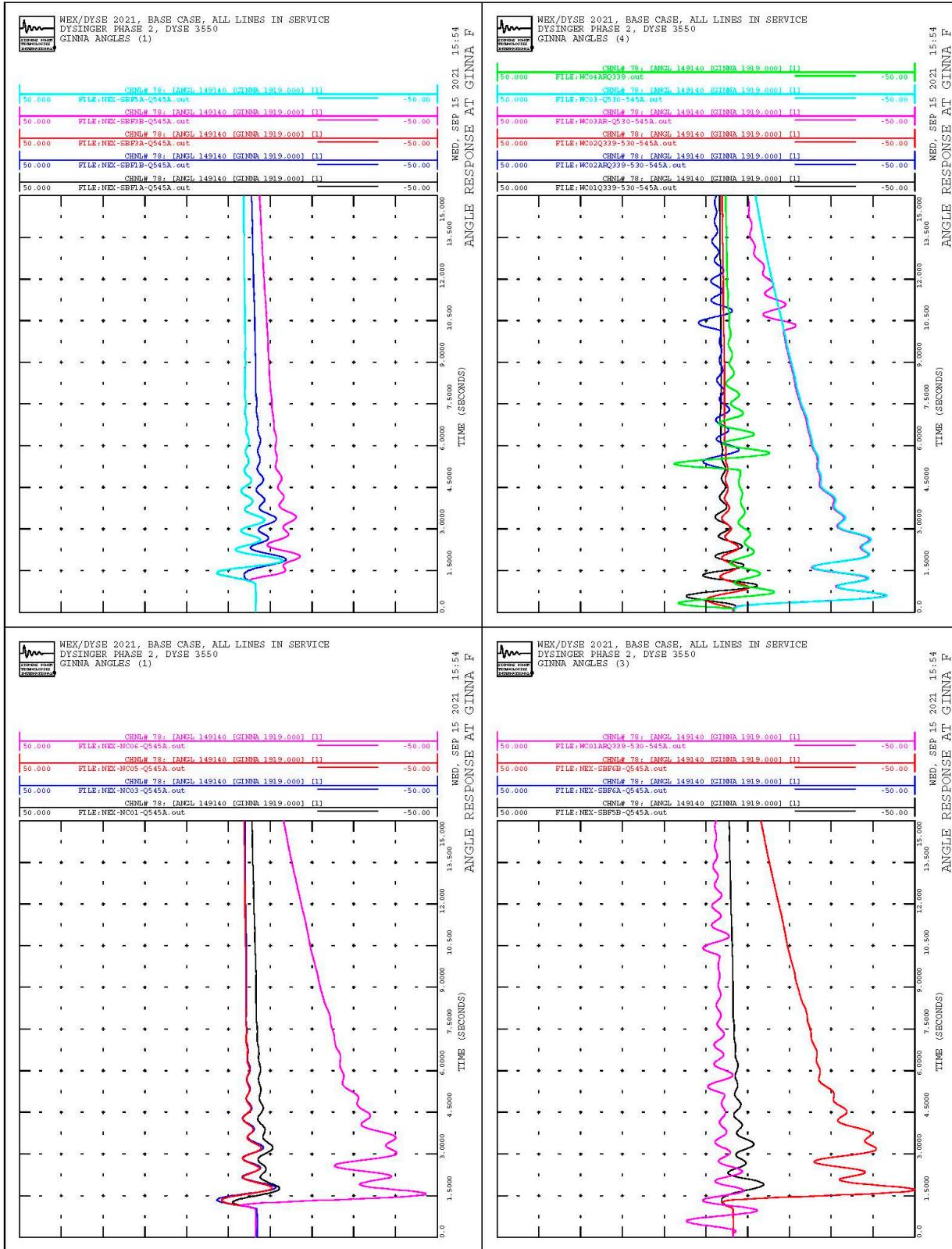
ND1 Out-of-Service

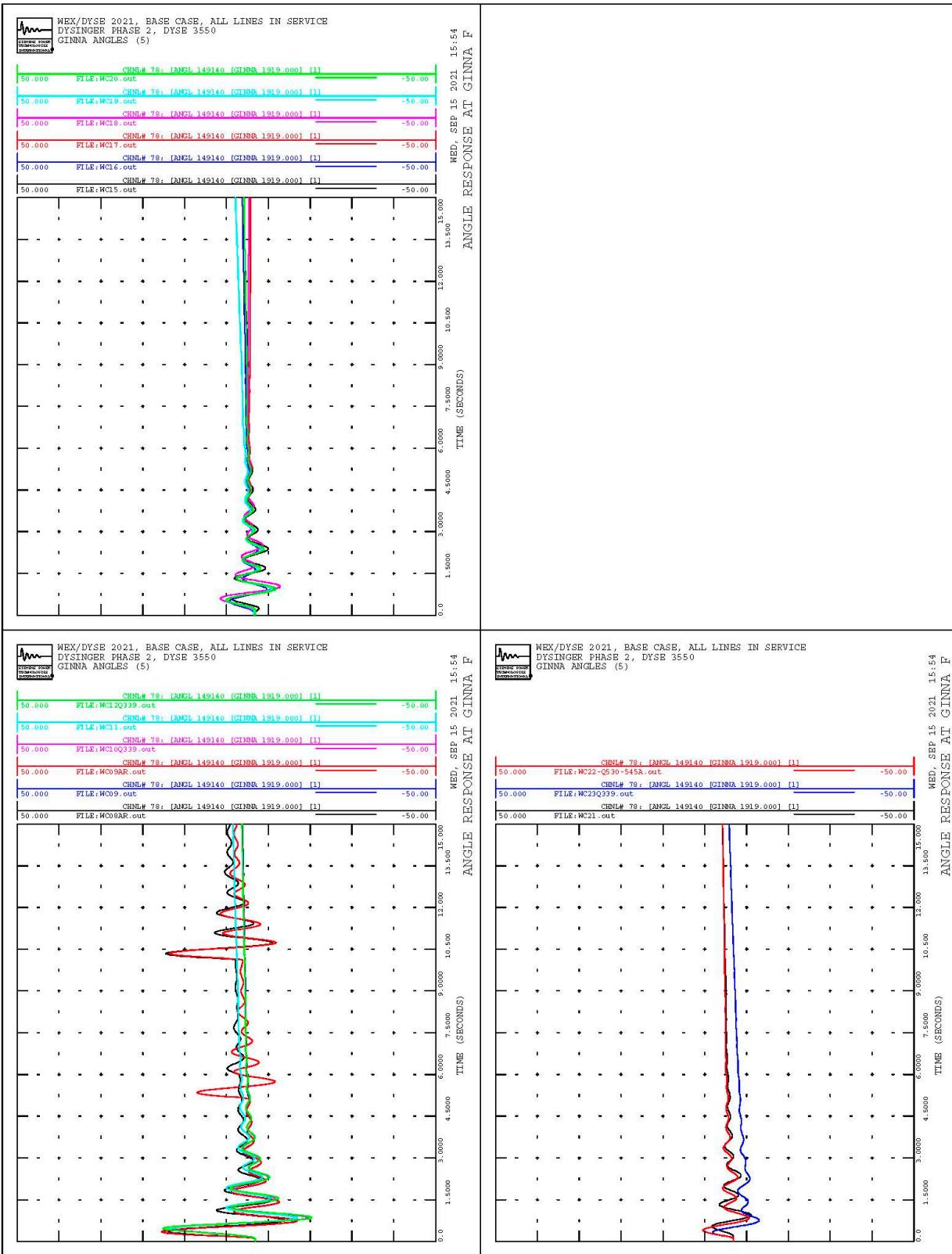
Interface Flow Report

CASE :WEX/DYSE 2021, ND1 O/S
 DYSINGER PHASE 2, DYSE 2910

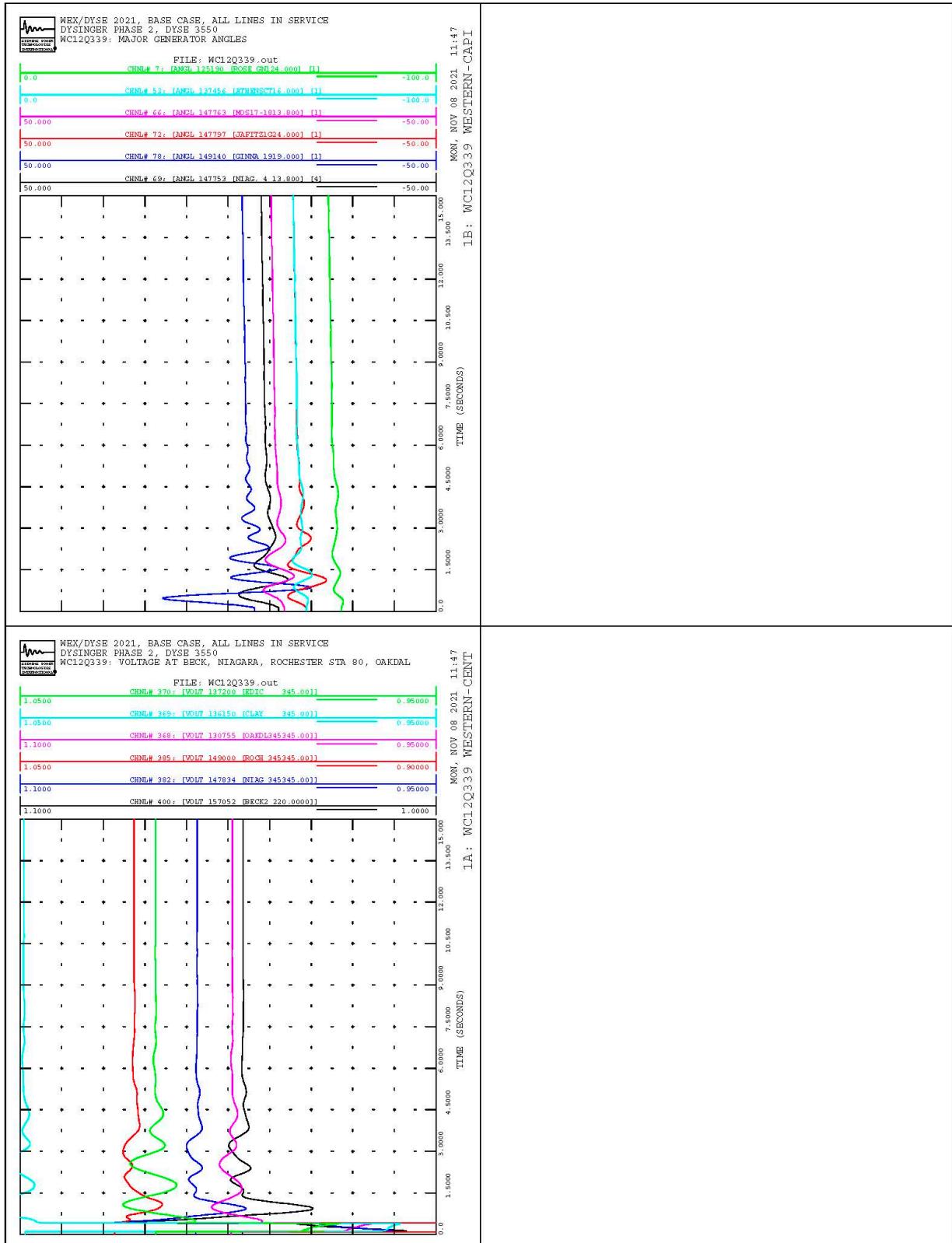
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P2	2910.1	-240.4	DYSE-CLOSE	5253.8	-584.2
WEST-CENTRAL	1539.0	-223.8	WESTC-CLOSE	3882.7	-302.8
VOLNEY-EAST	4143.7	277.5	VOLNEY-CLOSE	5949.0	222.0
MOSES-SOUTH	2473.9	-102.4	MOSES-CLOSE	2004.8	130.6
CENTRAL-EAST	2917.9	-801.6	TOTAL-EAST	6875.7	-1501.3
UPNY-SENY	6557.5	21.0	UPNY-SENY-CL	7857.0	60.5
UPNY-CONED	6667.1	222.9	UPNY-CON-CL	8390.1	87.8
MILLWOOD-SO	7781.3	-404.0	LIPA-IMPORT	2006.4	16.4
DNWDIE-SO-PL	4643.5	-941.2	DNWDIE-SO-PC	6366.5	-1076.3
DNWDIE-SO-OP	3727.8	-703.2	ABC-JK-PAR	-25.5	403.7
SENY-115kV	340.5	-76.5	SENY-F-To-G	3908.5	269.0
PJM-NY	1635.4	-90.9	NE-NY-WCSC	312.4	18.8
ON-NY	3913.3	212.9	ONT-MICH-PAR	439.2	-7.2
CONED-345	2316.9	-865.4	CONED-138	1112.1	-158.9
Y49-Y50	1214.6	83.2	138-POCKET	1955.6	187.8
AST-POCKET	1358.1	106.1	GRNWD-POCKET	806.5	137.6
STAT-POCKET	310.2	-12.6	E13-POCKET	310.8	-8.8
W49-POCKET	1356.8	-461.5	EVIEW-POCKET	547.0	405.3
DUNSO-POCKET	303.7	98.9	DUNNO-POCKET	0.2	-67.3
ON-MAN-MIN	-0.1	-29.7	UPNY-SENY-M	5279.6	87.4
EAST-HOLBRK	576.8	-88.5	NEWBRIDGE-E	-222.4	-118.9
AR-3-BULK-T	1513.0	315.9	AR-4-BULK-T	-695.9	235.7
AR-5-BULK-T	2826.4	345.9	AR-6-BULK-T	1126.1	9.9
AR-7-BULK-T	1553.5	314.2	AR-8-BULK-T	423.8	21.3
AR-3-TO-8-T	6747.1	1242.9	DNWDIE-SO-OC	4360.4	-863.6
I-TO-J	3428.9	-1024.3	CE+FRAS-GILB	3539.4	-984.9
CE-GROUP	5614.2	-1377.3	HUDSONVALLEY	17868.1	-697.3
SENY-E-TO-G	2108.1	-405.3	UPNY-SENY-MC	6134.1	195.6
NORTH-CTY-EXPORT	285.6	16.9	NORTHERN EXPORT	700.3	-52.1
WESTERN EXPORT	2817.6	72.8			





Angle and Voltage Response for Contingency



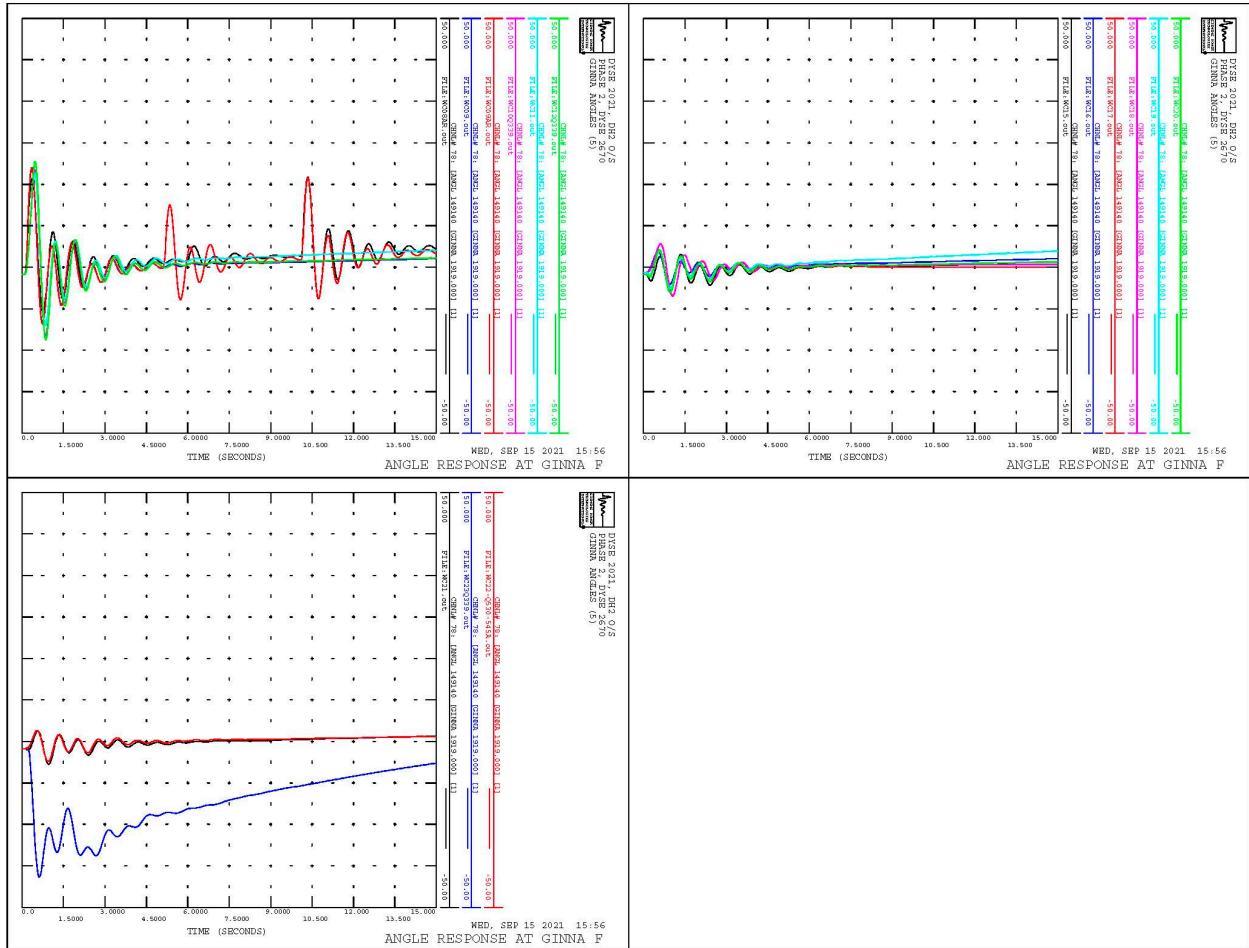
DH2 Out-of-Service

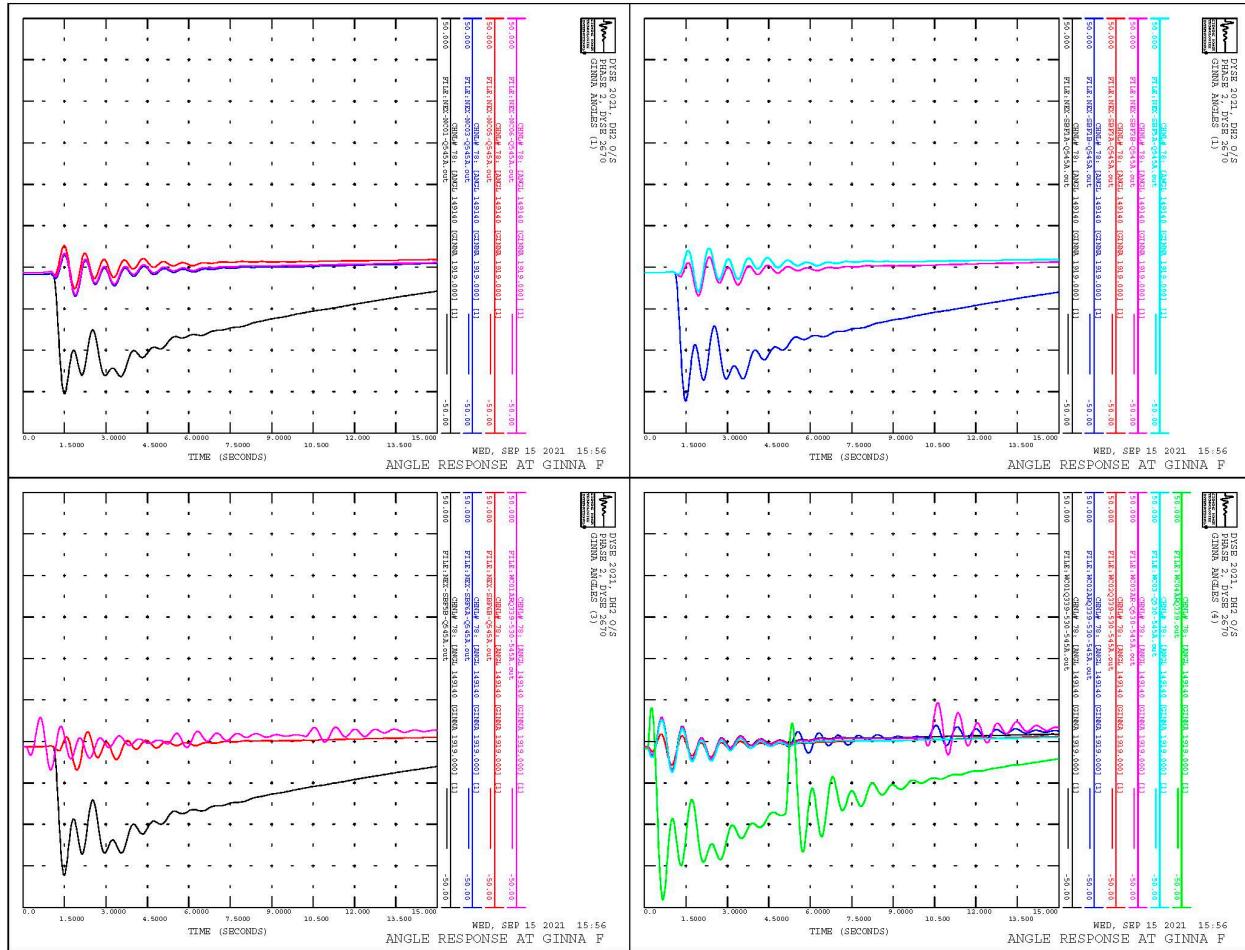
Interface Flow Report

CASE : DYSE 2021, DH2 O/S
 PHASE 2, DYSE 2670

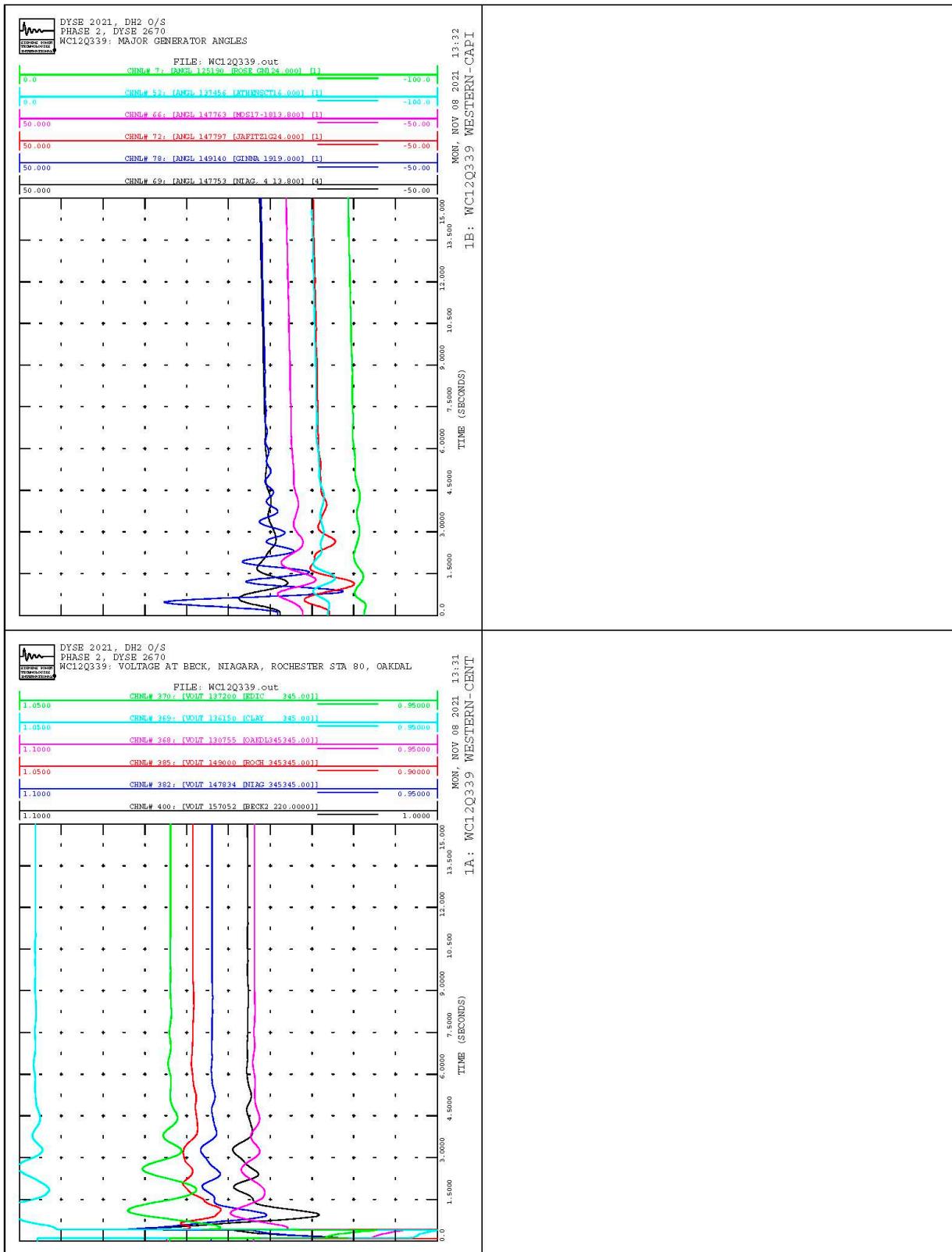
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P2	2671.6	27.7	DYSE-CLOSE	5160.1	-347.3
WEST-CENTRAL	1292.5	-244.8	WESTC-CLOSE	3785.9	-355.3
VOLNEY-EAST	4090.2	265.0	VOLNEY-CLOSE	5951.3	167.8
MOSES-SOUTH	2536.6	-87.6	MOSES-CLOSE	2004.6	186.7
CENTRAL-EAST	2911.7	-816.3	TOTAL-EAST	6874.8	-1547.4
UPNY-SENY	6557.5	-1.3	UPNY-SENY-CL	7855.9	39.3
UPNY-CONED	6666.1	212.8	UPNY-CON-CL	8388.5	75.5
MILLWOOD-SO	7779.8	-418.0	LIPA-IMPORT	2006.3	7.0
DNWDIE-SO-PL	4642.7	-953.6	DNWDIE-SO-PC	6365.1	-1090.9
DNWDIE-SO-OP	3726.9	-705.4	ABC-JK-PAR	-26.5	403.8
SENY-115kV	341.8	-74.8	SENY-F-To-G	3911.1	262.8
PJM-NY	1705.2	-44.4	NE-NY-WCSC	312.6	26.7
ON-NY	3849.5	263.5	ONT-MICH-PAR	504.5	-11.4
CONED-345	2316.5	-866.2	CONED-138	1111.6	-159.0
Y49-Y50	1214.5	71.7	138-POCKET	1955.0	186.6
AST-POCKET	1357.0	105.1	GRNWD-POCKET	806.5	137.6
STAT-POCKET	310.2	-12.8	E13-POCKET	310.8	-8.9
W49-POCKET	1356.7	-461.9	EVIEW-POCKET	546.9	405.3
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.3
ON-MAN-MIN	0.2	-29.7	UPNY-SENY-M	5283.4	75.6
EAST-HOLBRK	576.8	-87.7	NEWBRIDGE-E	-222.7	-123.2
AR-3-BULK-T	1524.9	313.0	AR-4-BULK-T	-740.3	232.3
AR-5-BULK-T	2866.4	325.6	AR-6-BULK-T	1127.4	16.8
AR-7-BULK-T	1552.6	312.1	AR-8-BULK-T	423.6	21.1
AR-3-TO-8-T	6754.7	1220.8	DNWDIE-SO-OC	4359.1	-868.9
I-TO-J	3428.1	-1025.2	CE+FRAS-GILB	3542.9	-1013.7
CE-GROUP	5618.5	-1424.4	HUDSONVALLEY	17866.2	-742.0
SENY-E-TO-G	2109.5	-422.7	UPNY-SENY-MC	6133.4	176.6
NORTH-CTY-EXPORT	285.5	26.4	NORTHERN EXPORT	700.5	-13.4
WESTERN EXPORT	3808.4	326.6			





Angle and Voltage Response for Contingency



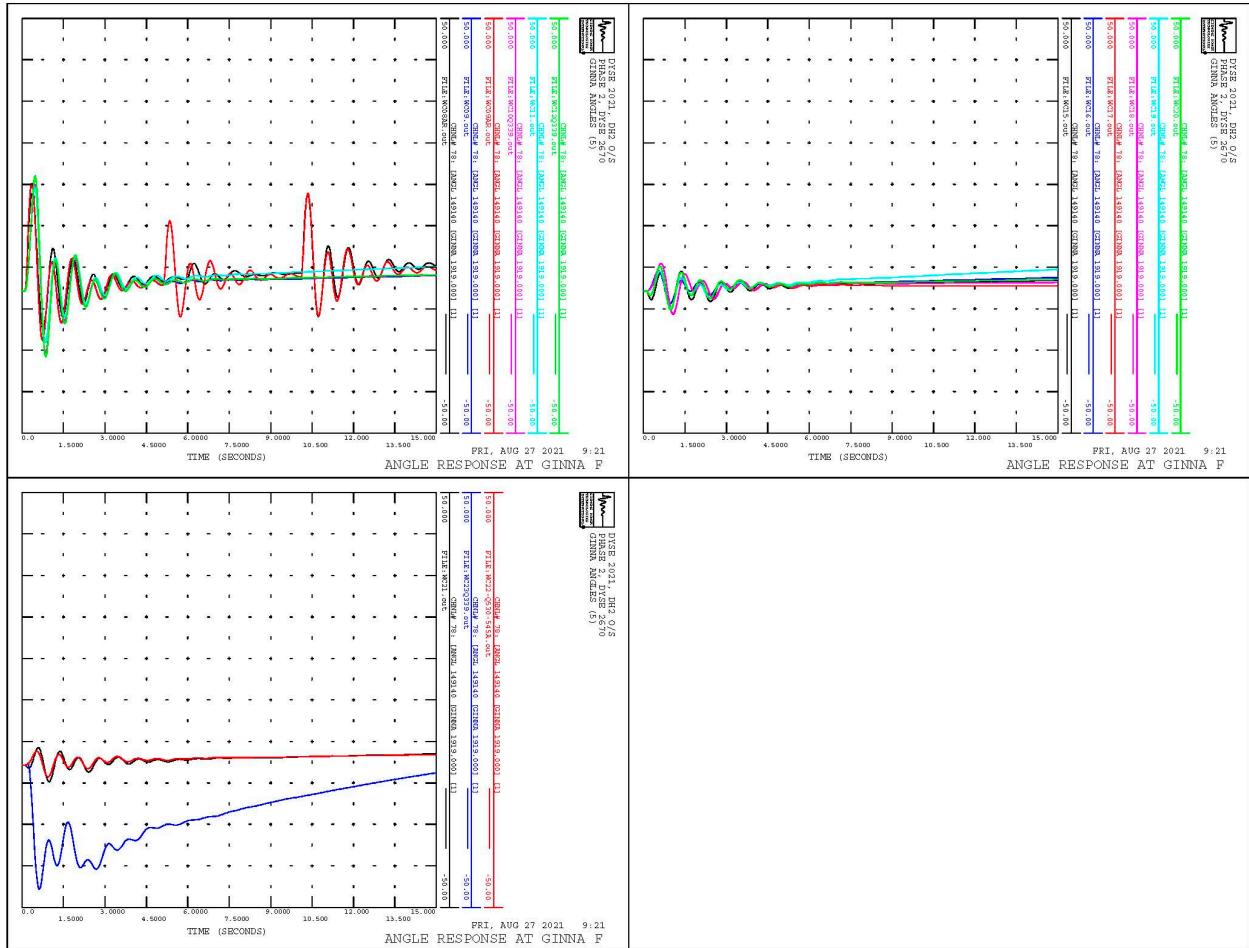
DH2 and ND2 Out-of-Service

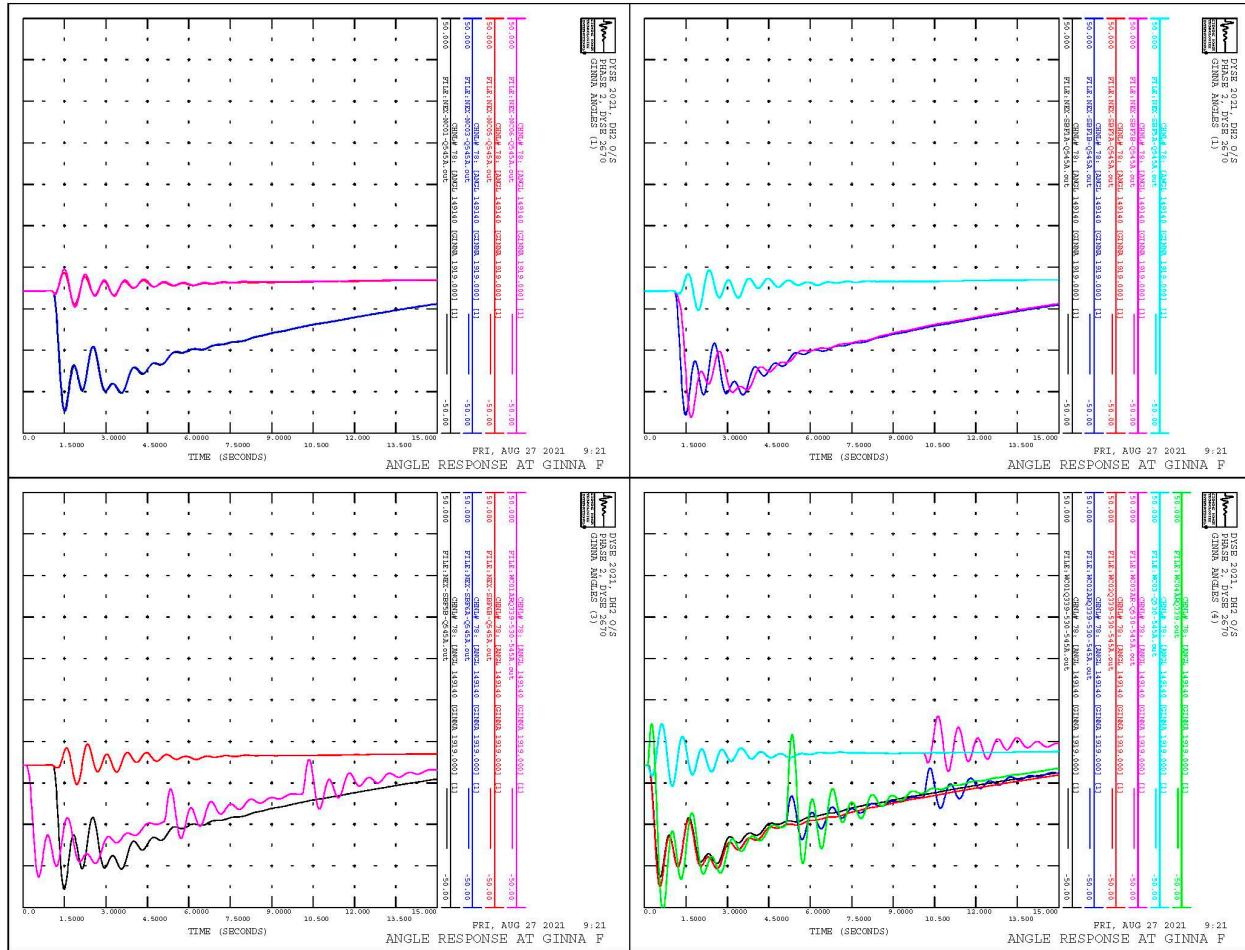
Interface Flow Report

CASE :DYSE 2021, DH2 & ND2 O/S
PHASE 2, DYSE 2630

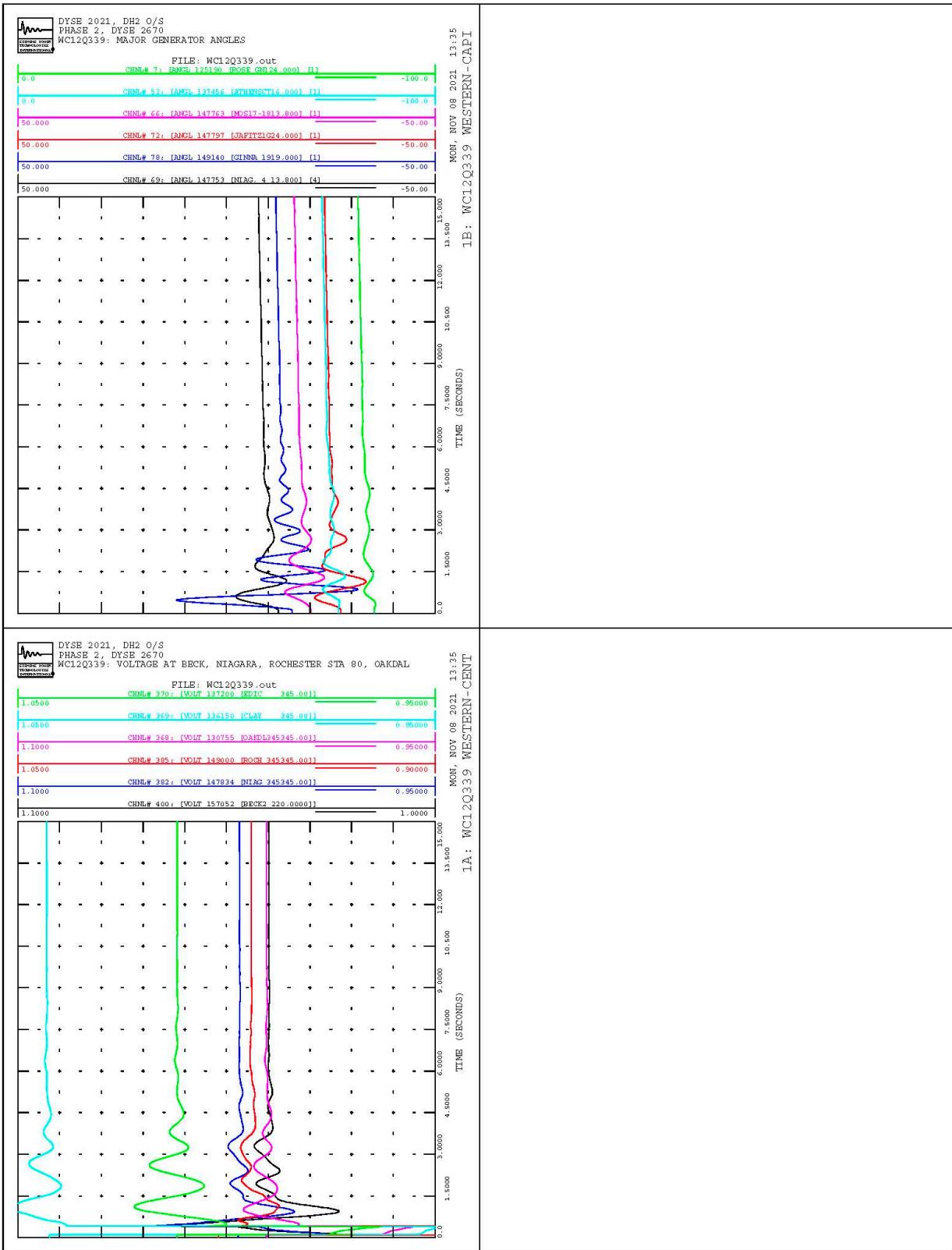
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P2	2627.9	-47.5	DYSE-CLOSE	5214.1	-440.3
WEST-CENTRAL	1256.2	-303.1	WESTC-CLOSE	3842.4	-431.4
VOLNEY-EAST	4049.7	241.9	VOLNEY-CLOSE	5956.6	113.9
MOSES-SOUTH	2569.7	-79.5	MOSES-CLOSE	2004.5	222.0
CENTRAL-EAST	2905.0	-825.8	TOTAL-EAST	6876.7	-1576.0
UPNY-SENY	6549.7	-13.4	UPNY-SENY-CL	7856.0	25.1
UPNY-CONED	6662.6	210.4	UPNY-CON-CL	8387.8	71.3
MILLWOOD-SO	7779.2	-420.2	LIPA-IMPORT	2006.3	7.0
DNWDIE-SO-PL	4639.2	-953.2	DNWDIE-SO-PC	6364.4	-1092.2
DNWDIE-SO-OP	3724.0	-705.1	ABC-JK-PAR	-19.6	402.1
SENY-115kV	341.2	-75.1	SENY-F-To-G	3905.6	259.4
PJM-NY	1759.9	-10.8	NE-NY-WCSC	312.3	28.9
ON-NY	3800.2	330.7	ONT-MICH-PAR	550.4	-14.6
CONED-345	2313.7	-865.7	CONED-138	1111.5	-159.3
Y49-Y50	1214.0	71.8	138-POCKET	1955.4	186.2
AST-POCKET	1356.8	104.9	GRNWD-POCKET	806.3	137.5
STAT-POCKET	310.2	-12.8	E13-POCKET	310.7	-8.9
W49-POCKET	1356.3	-462.4	EVIEW-POCKET	546.9	405.3
DUNSO-POCKET	303.7	98.9	DUNNO-POCKET	0.2	-67.2
ON-MAN-MIN	0.3	-29.7	UPNY-SENY-M	5274.7	68.5
EAST-HOLBRK	576.8	-87.8	NEWBRIDGE-E	-223.1	-122.9
AR-3-BULK-T	1518.1	310.7	AR-4-BULK-T	-761.5	229.3
AR-5-BULK-T	2889.5	312.7	AR-6-BULK-T	1126.1	14.6
AR-7-BULK-T	1553.0	310.5	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6749.0	1199.1	DNWDIE-SO-OC	4358.4	-870.2
I-TO-J	3425.2	-1024.9	CE+FRAS-GILB	3539.0	-1031.7
CE-GROUP	5609.7	-1449.8	HUDSONVALLEY	17851.4	-756.2
SENY-E-TO-G	2104.5	-430.3	UPNY-SENY-MC	6130.8	164.1
NORTH-CTY-EXPORT	285.6	32.6	NORTHERN EXPORT	700.7	11.3
WESTERN EXPORT	3746.9	288.3			





Angle and Voltage Response for Contingency



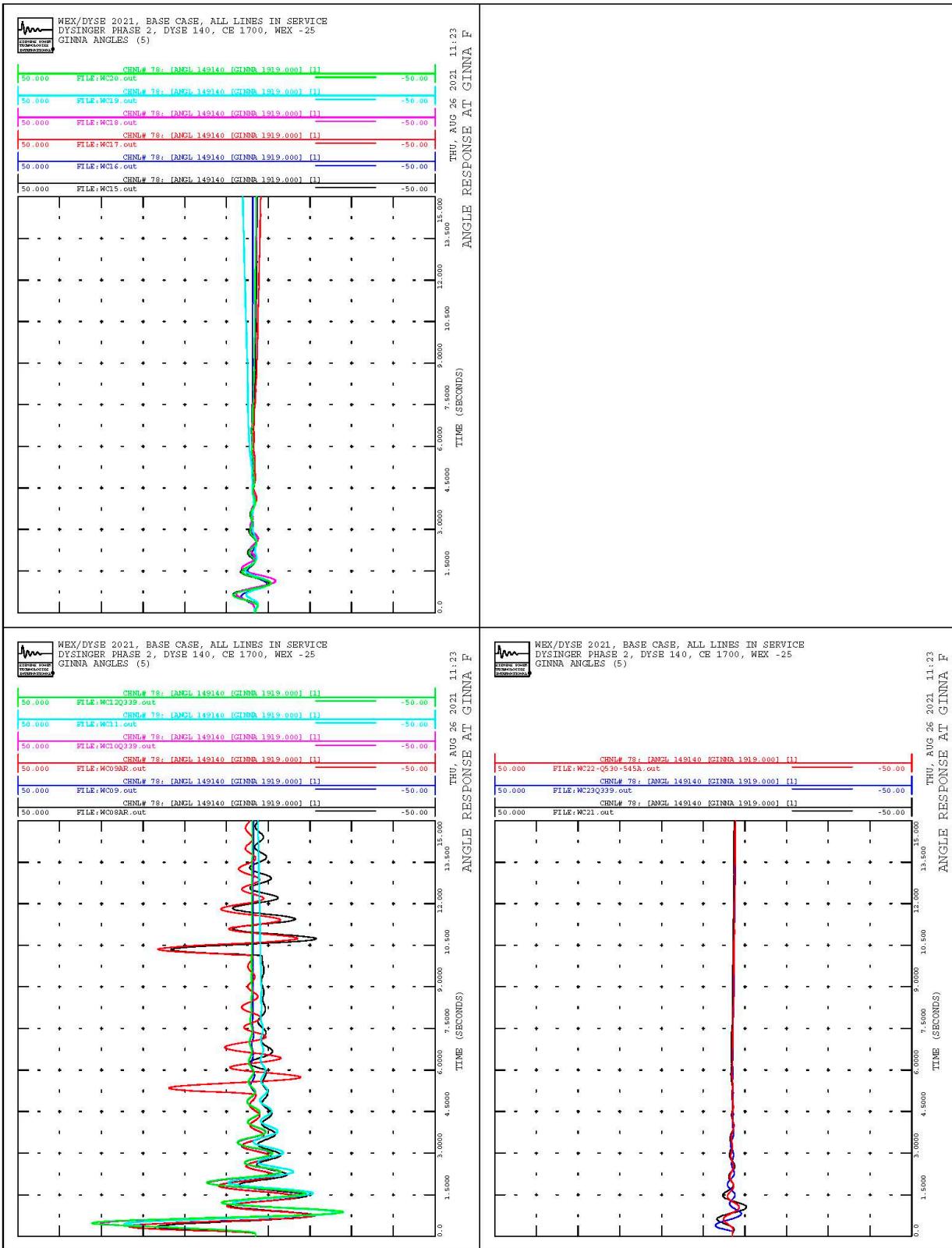
DH2 and SH1-39 Out-of-Service

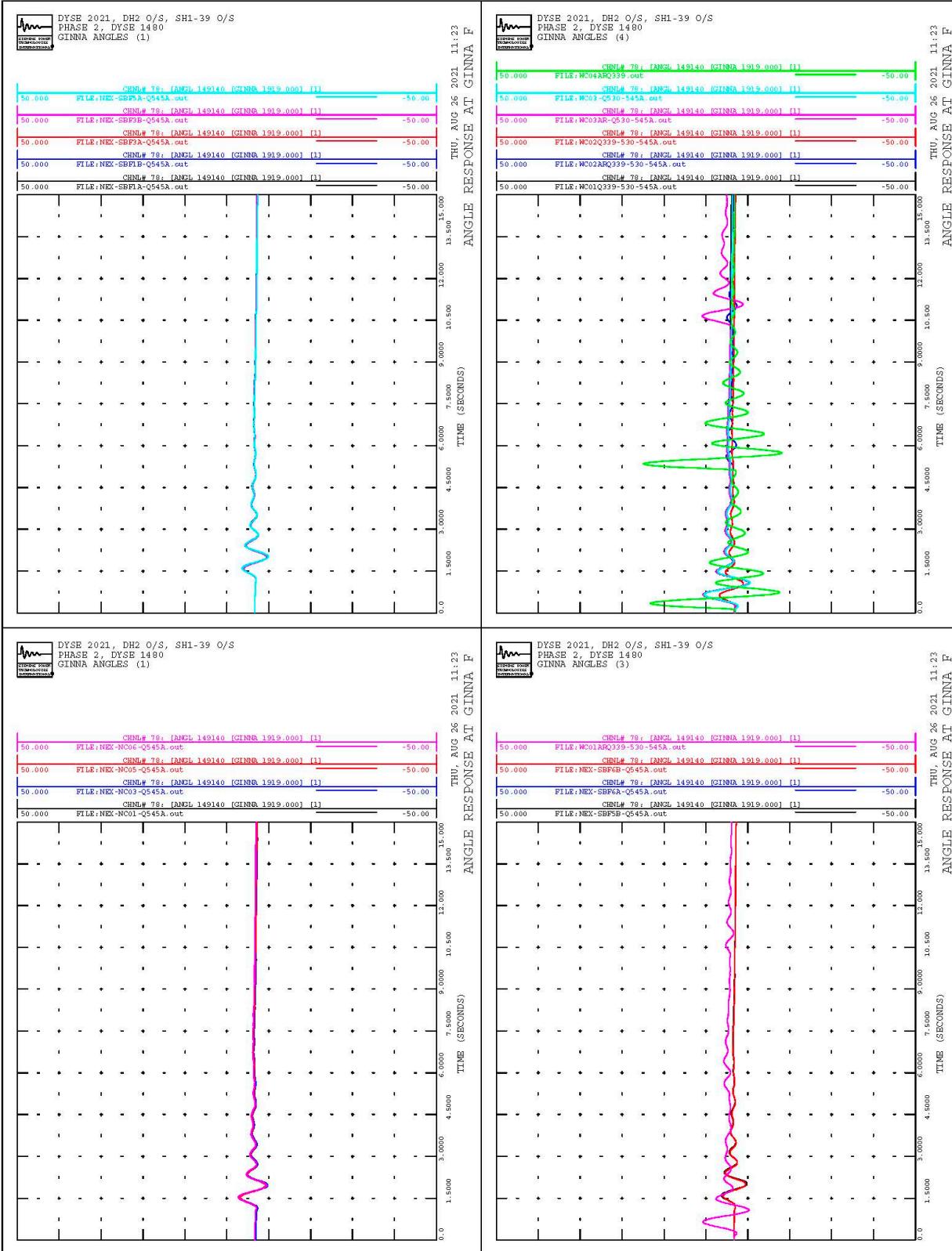
Interface Flow Report

CASE : DYSE 2021, DH2 & SH1-39 O/S
 PHASE 2, DYSE 1480

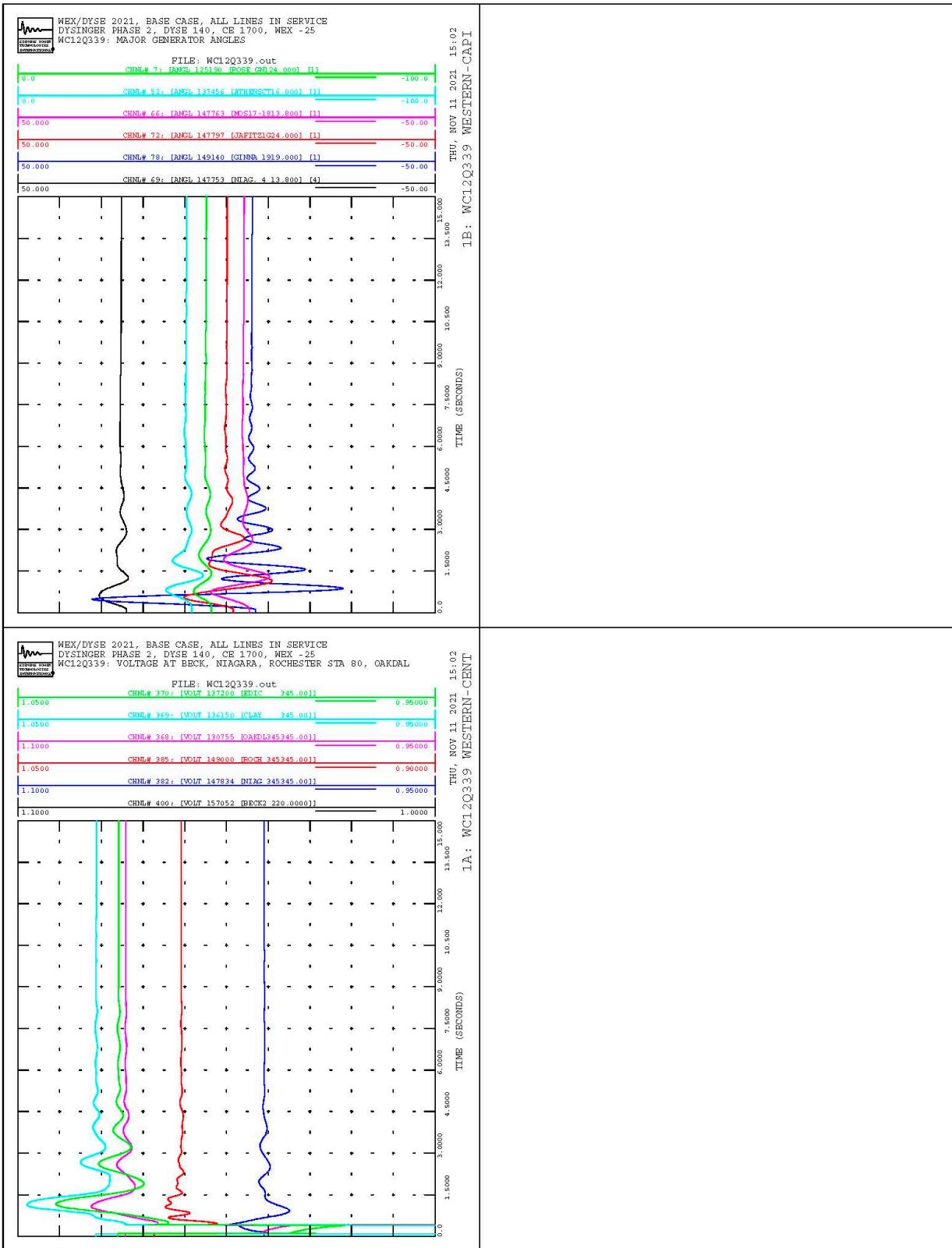
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P2	1489.1	-85.3	DYSE-CLOSE	3299.6	-136.6
WEST-CENTRAL	125.4	35.1	WESTC-CLOSE	1935.9	249.2
VOLNEY-EAST	2194.5	81.0	VOLNEY-CLOSE	3742.4	211.7
MOSES-SOUTH	2208.6	-85.2	MOSES-CLOSE	2005.0	-20.3
CENTRAL-EAST	1923.7	-218.7	TOTAL-EAST	4859.2	-450.3
UPNY-SENY	5568.8	52.6	UPNY-SENY-CL	6876.4	181.2
UPNY-CONED	6693.6	147.5	UPNY-CON-CL	8420.4	29.8
MILLWOOD-SO	7830.6	-489.7	LIPA-IMPORT	2006.4	-5.7
DNWDIE-SO-PL	4689.4	-1030.4	DNWDIE-SO-PC	6416.1	-1148.1
DNWDIE-SO-OP	3774.9	-768.4	ABC-JK-PAR	-19.6	492.1
SENY-115kV	293.5	-81.0	SENY-F-To-G	3463.9	41.1
PJM-NY	1113.6	124.0	NE-NY-WCSC	312.0	194.8
ON-NY	1688.8	341.6	ONT-MICH-PAR	262.2	-20.4
CONED-345	2364.9	-911.1	CONED-138	1111.4	-172.9
Y49-Y50	1213.1	53.6	138-POCKET	1954.4	147.0
AST-POCKET	1409.0	73.7	GRNWD-POCKET	806.1	135.9
STAT-POCKET	309.8	-13.1	E13-POCKET	322.5	122.6
W49-POCKET	1357.3	-491.6	EVIEW-POCKET	544.1	367.5
DUNSO-POCKET	303.6	99.4	DUNNO-POCKET	3.4	-36.9
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	4530.4	40.1
EAST-HOLBRK	577.0	-86.0	NEWBRIDGE-E	-224.2	-132.4
AR-3-BULK-T	1630.0	325.5	AR-4-BULK-T	-497.5	240.6
AR-5-BULK-T	2629.2	249.3	AR-6-BULK-T	901.7	324.9
AR-7-BULK-T	1474.2	316.1	AR-8-BULK-T	385.6	2.1
AR-3-TO-8-T	6523.2	1458.5	DNWDIE-SO-OC	4410.0	-913.1
I-TO-J	3476.3	-1084.1	CE+FRAS-GILB	1970.8	-253.2
CE-GROUP	3600.1	-368.2	HUDSONVALLEY	16951.8	-830.4
SENY-E-TO-G	1651.2	-123.8	UPNY-SENY-MC	5149.7	298.9
NORTH-CTY-EXPORT	285.6	-9.3	NORTHERN EXPORT	699.3	-169.7
WESTERN EXPORT	1806.3	171.5			





Angle and Voltage Response for Contingency



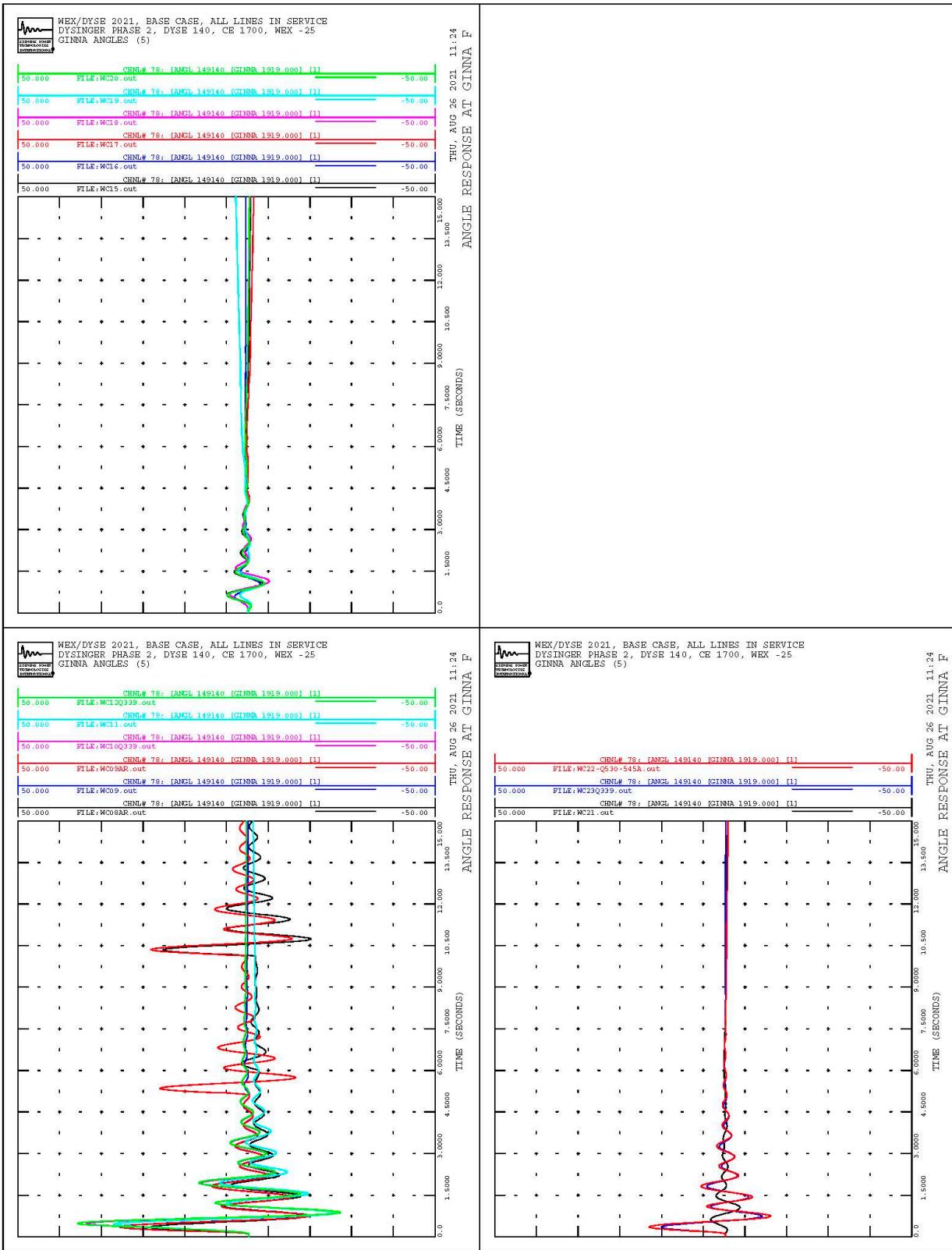
ND1 and ND2 Out-of-Service

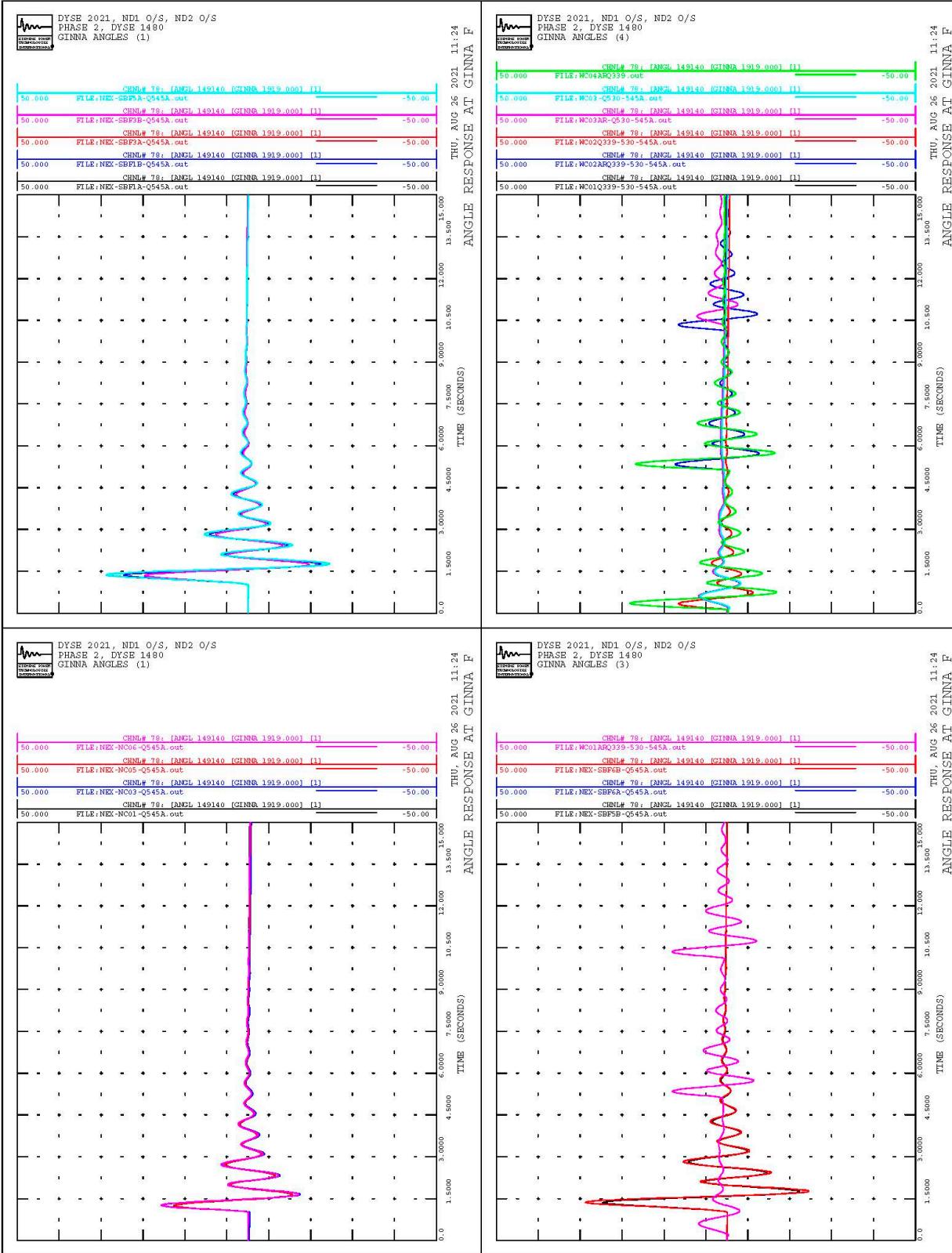
Interface Flow Report

CASE : DYSE 2021, ND1 & ND2 O/S
 PHASE 2, DYSE 1480

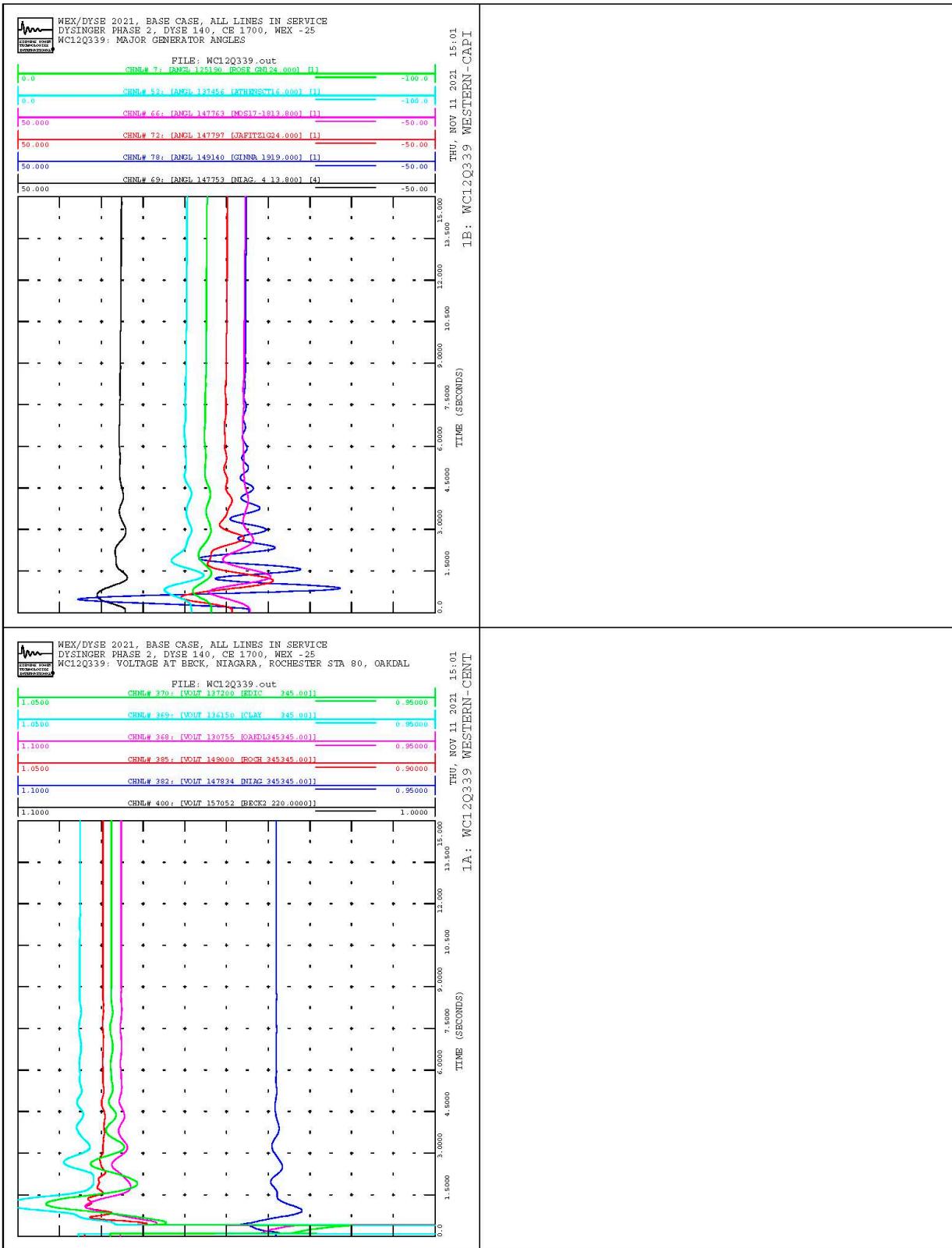
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P2	1486.3	-80.0	DYSE-CLOSE	3298.8	-137.3
WEST-CENTRAL	122.7	129.0	WESTC-CLOSE	1935.2	337.0
VOLNEY-EAST	2192.9	101.8	VOLNEY-CLOSE	3742.1	230.3
MOSES-SOUTH	2210.8	-92.6	MOSES-CLOSE	2005.0	-26.8
CENTRAL-EAST	1923.3	-209.6	TOTAL-EAST	4859.2	-433.0
UPNY-SENY	5569.4	58.4	UPNY-SENY-CL	6876.6	186.3
UPNY-CONED	6694.1	148.6	UPNY-CON-CL	8420.6	30.8
MILLWOOD-SO	7830.8	-488.3	LIPA-IMPORT	2006.4	-5.4
DNWDIE-SO-PL	4689.8	-1028.8	DNWDIE-SO-PC	6416.3	-1146.6
DNWDIE-SO-OP	3775.2	-767.0	ABC-JK-PAR	-19.9	491.4
SENY-115kV	293.5	-80.8	SENY-F-To-G	3463.8	42.5
PJM-NY	1116.3	123.5	NE-NY-WCSC	312.1	192.9
ON-NY	1686.0	387.3	ONT-MICH-PAR	264.8	-20.9
CONED-345	2365.1	-909.9	CONED-138	1111.5	-172.8
Y49-Y50	1213.2	53.9	138-POCKET	1954.4	147.4
AST-POCKET	1409.0	74.0	GRNWD-POCKET	806.1	135.9
STAT-POCKET	309.8	-13.1	E13-POCKET	322.6	122.7
W49-POCKET	1357.4	-491.3	EVIEW-POCKET	544.1	367.5
DUNSO-POCKET	303.6	99.4	DUNNO-POCKET	3.4	-37.0
ON-MAN-MIN	0.1	-29.8	UPNY-SENY-M	4530.8	43.5
EAST-HOLBRK	577.0	-86.0	NEWBRIDGE-E	-224.1	-132.2
AR-3-BULK-T	1629.7	329.1	AR-4-BULK-T	-500.1	244.8
AR-5-BULK-T	2631.1	246.2	AR-6-BULK-T	901.6	327.4
AR-7-BULK-T	1474.2	316.0	AR-8-BULK-T	385.6	2.1
AR-3-TO-8-T	6522.2	1465.6	DNWDIE-SO-OC	4410.2	-911.8
I-TO-J	3476.6	-1082.7	CE+FRAS-GILB	1970.3	-240.1
CE-GROUP	3600.7	-349.9	HUDSONVALLEY	16953.3	-821.8
SENY-E-TO-G	1652.4	-118.5	UPNY-SENY-MC	5150.1	304.1
NORTH-CTY-EXPORT	285.6	-9.8	NORTHERN EXPORT	699.3	-171.9
WESTERN EXPORT	1804.6	177.2			





Angle and Voltage Response for Contingency



Appendix C: Phase 3

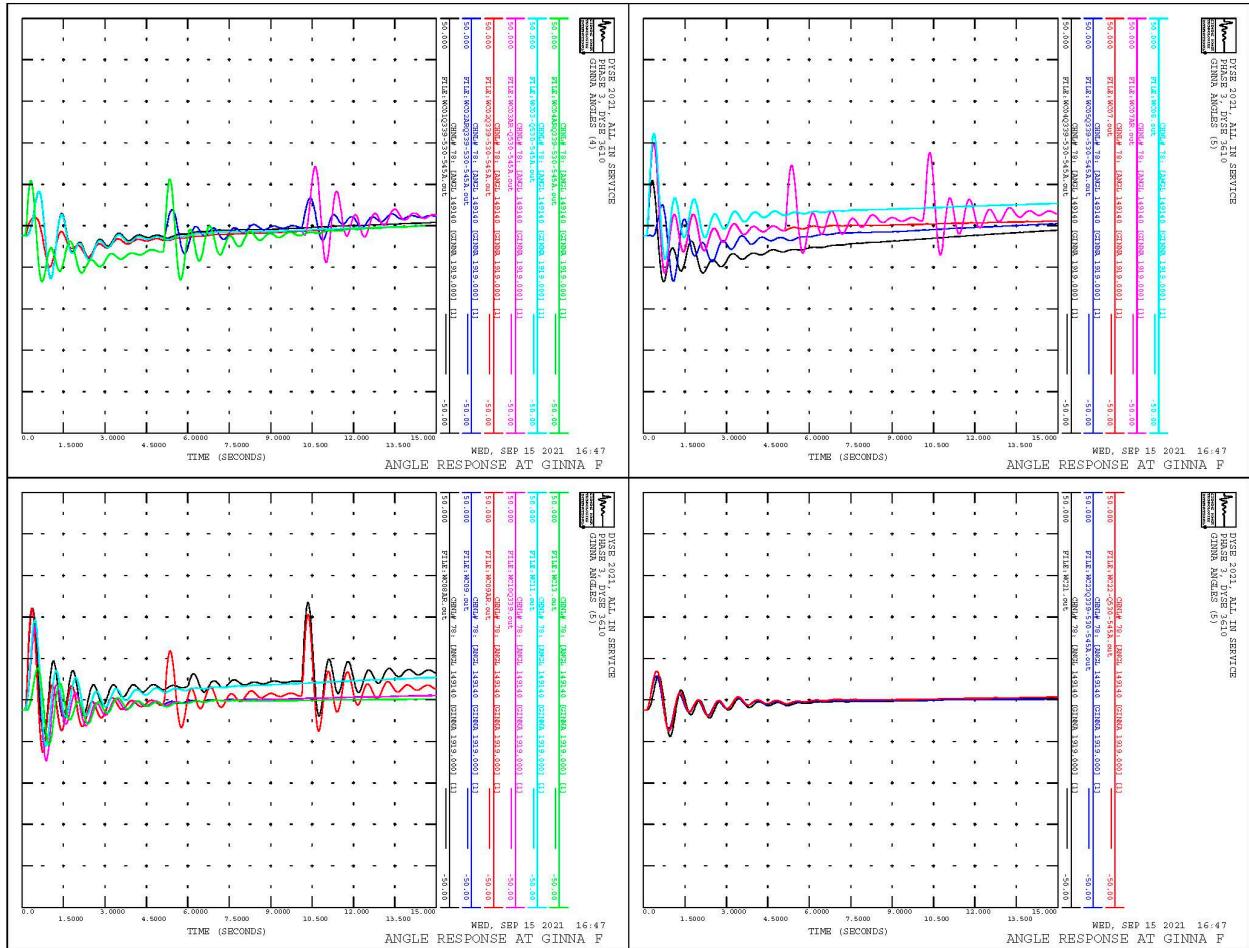
All Lines In-Service

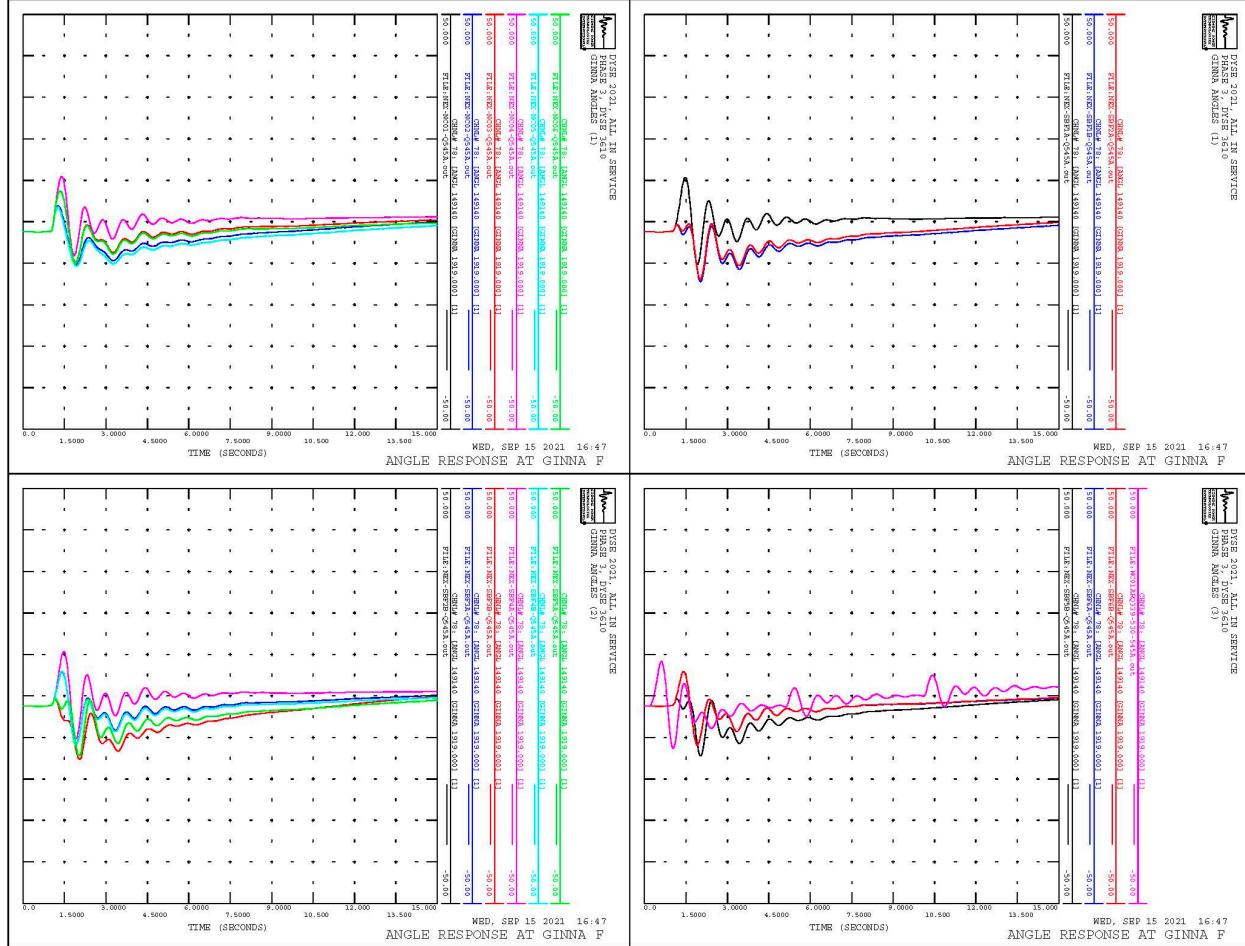
Interface Flow Report

CASE :DYSE 2021, ALL IN SERVICE
PHASE 3, DYSE 3610

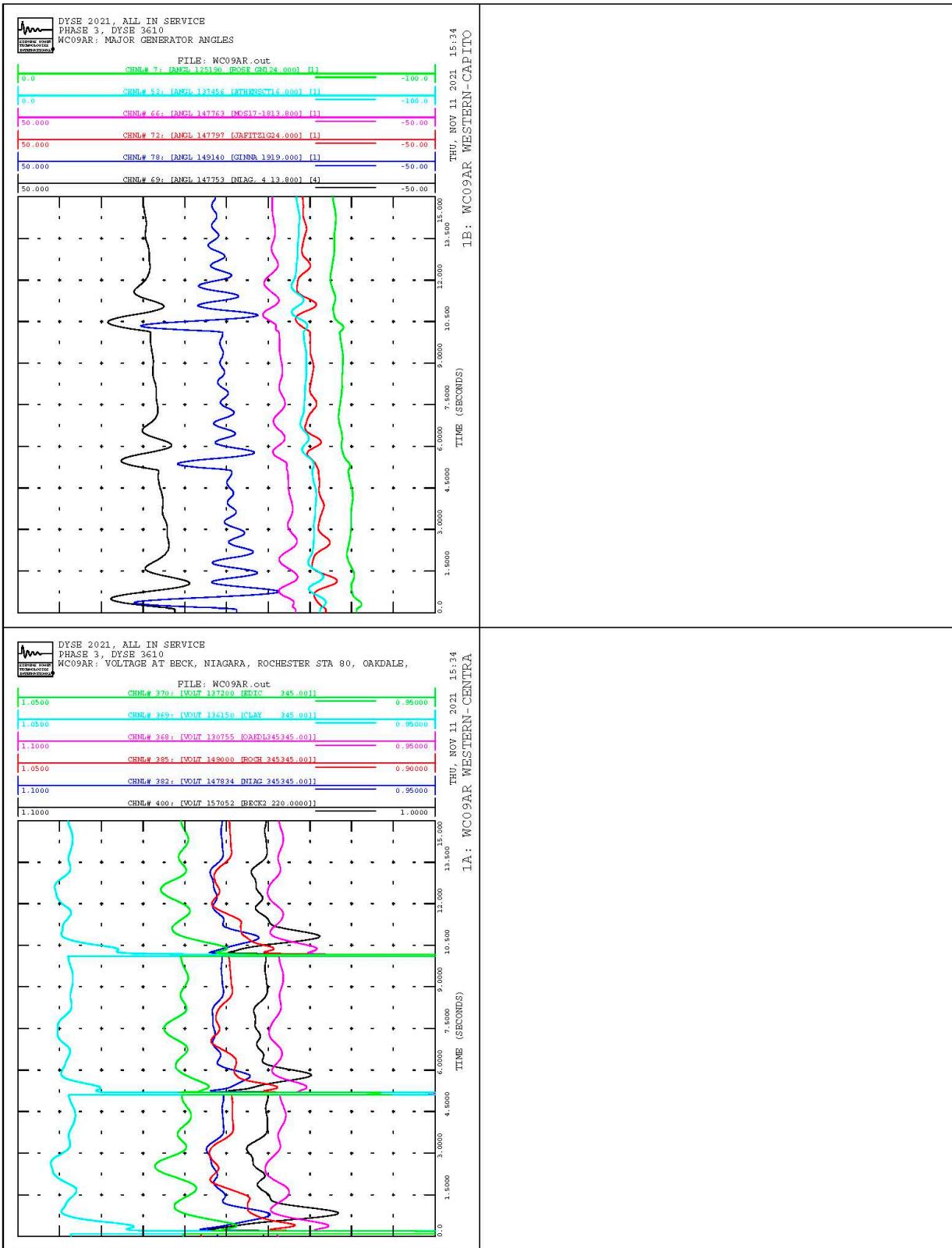
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3616.0	72.2	DYSE-CLOSE	6057.2	-259.3
WEST-CENTRAL	2243.2	-502.1	WESTC-CLOSE	4684.4	-569.4
VOLNEY-EAST	4108.6	222.5	VOLNEY-CLOSE	5954.4	147.2
MOSES-SOUTH	2510.8	-72.2	MOSES-CLOSE	2004.6	183.3
CENTRAL-EAST	2908.8	-831.4	TOTAL-EAST	6875.3	-1584.7
UPNY-SENY	6552.0	-15.3	UPNY-SENY-CL	7855.8	27.0
UPNY-CONED	6664.2	215.6	UPNY-CON-CL	8388.4	78.6
MILLWOOD-SO	7779.8	-415.3	LIPA-IMPORT	2006.3	14.6
DNWDIE-SO-PL	4641.1	-951.7	DNWDIE-SO-PC	6365.3	-1088.7
DNWDIE-SO-OP	3725.4	-712.1	ABC-JK-PAR	-21.6	406.0
SENY-115kV	341.4	-75.4	SENY-F-To-G	3907.6	258.4
PJM-NY	1650.2	-16.3	NE-NY-WCSC	312.5	32.4
ON-NY	3902.8	255.5	ONT-MICH-PAR	448.7	-8.4
CONED-345	2314.7	-873.1	CONED-138	1111.9	-159.6
Y49-Y50	1214.5	81.0	138-POCKET	1955.7	185.3
AST-POCKET	1357.6	104.3	GRNWD-POCKET	806.3	137.4
STAT-POCKET	310.2	-12.9	E13-POCKET	311.1	-9.2
W49-POCKET	1356.9	-463.2	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.1	-67.0
ON-MAN-MIN	-0.8	-29.7	UPNY-SENY-M	5276.3	68.2
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.5	-120.2
AR-3-BULK-T	1401.3	363.8	AR-4-BULK-T	-720.6	223.1
AR-5-BULK-T	2840.7	341.7	AR-6-BULK-T	1126.5	13.3
AR-7-BULK-T	1552.5	315.1	AR-8-BULK-T	423.7	21.0
AR-3-TO-8-T	6624.1	1278.0	DNWDIE-SO-OC	4359.3	-874.6
I-TO-J	3426.6	-1032.8	CE+FRAS-GILB	3540.2	-1041.8
CE-GROUP	5609.4	-1464.2	HUDSONVALLEY	17857.3	-751.4
SENY-E-TO-G	2102.9	-434.8	UPNY-SENY-MC	6131.5	164.0
NORTH-CTY-EXPORT	285.6	24.5	NORTHERN EXPORT	700.4	-21.8
WESTERN EXPORT	1981.4	229.0			





Angle and Voltage Response for Contingency



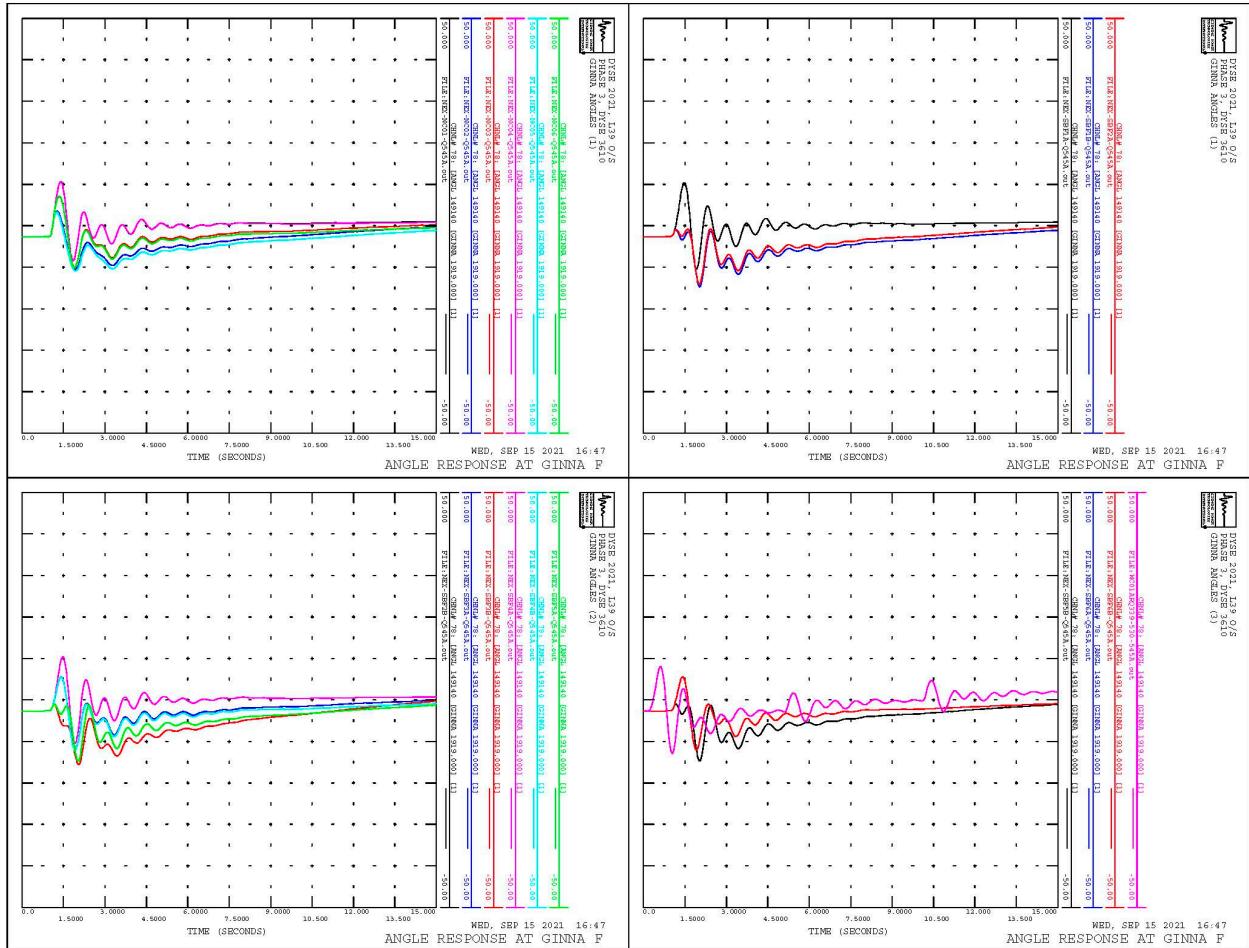
L39 Out-of-Service

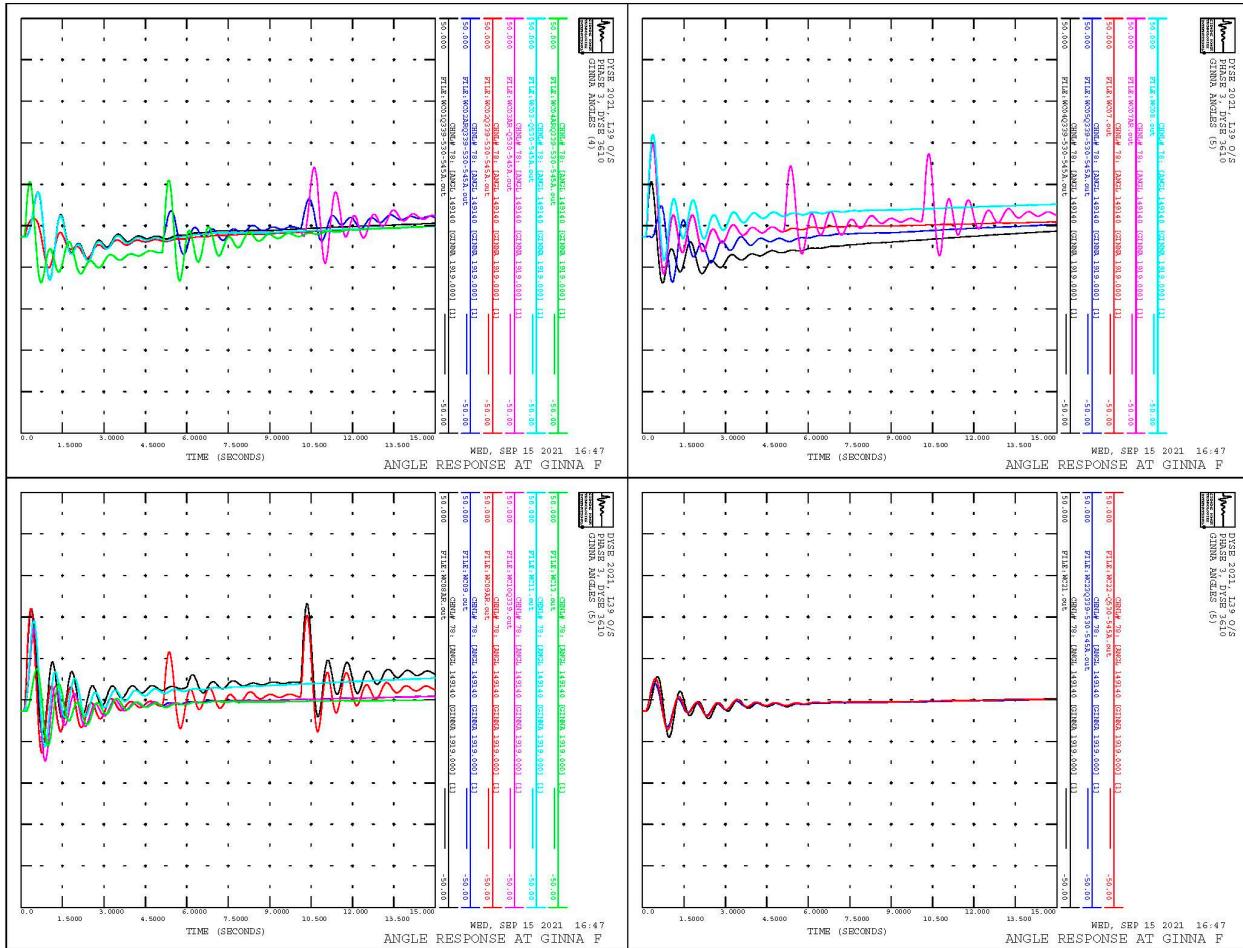
Interface Flow Report

CASE :DYSE 2021, L39 O/S
PHASE 3, DYSE 3610

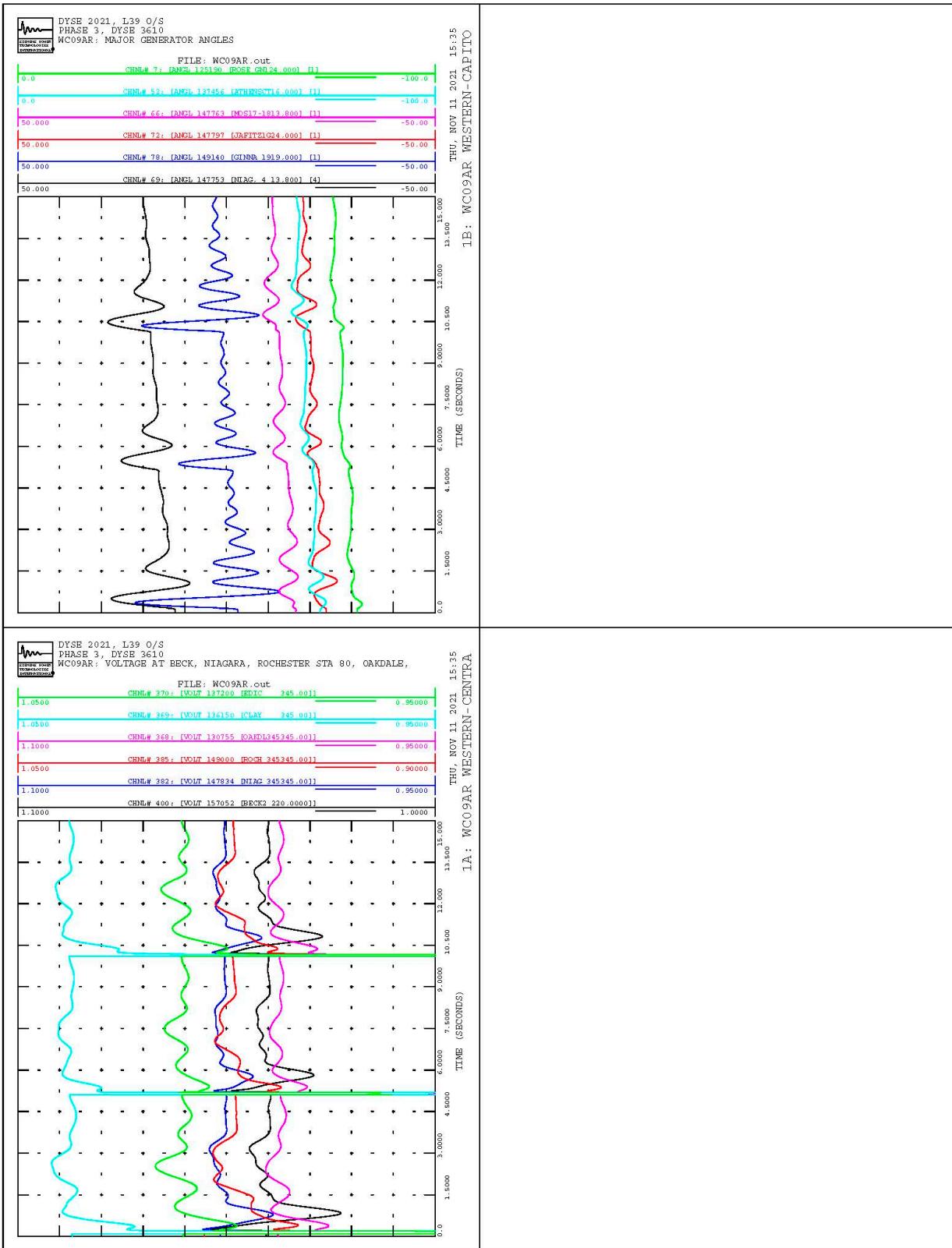
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3614.0	69.3	DYSE-CLOSE	6057.5	-262.2
WEST-CENTRAL	2240.9	-507.8	WESTC-CLOSE	4684.4	-575.0
VOLNEY-EAST	4106.8	220.9	VOLNEY-CLOSE	5954.4	145.2
MOSES-SOUTH	2511.3	-71.7	MOSES-CLOSE	2004.6	184.1
CENTRAL-EAST	2908.3	-831.8	TOTAL-EAST	6875.2	-1585.7
UPNY-SENY	6551.3	-15.7	UPNY-SENY-CL	7855.7	26.5
UPNY-CONED	6664.0	215.5	UPNY-CON-CL	8388.4	78.5
MILLWOOD-SO	7779.8	-415.2	LIPA-IMPORT	2006.3	14.6
DNWDIE-SO-PL	4640.9	-951.6	DNWDIE-SO-PC	6365.3	-1088.7
DNWDIE-SO-OP	3725.2	-712.0	ABC-JK-PAR	-20.8	406.0
SENY-115kV	341.3	-75.4	SENY-F-To-G	3907.0	258.2
PJM-NY	1652.0	-15.0	NE-NY-WCSC	312.5	32.4
ON-NY	3901.7	260.7	ONT-MICH-PAR	449.9	-8.6
CONED-345	2314.5	-873.1	CONED-138	1111.9	-159.6
Y49-Y50	1214.5	81.1	138-POCKET	1955.7	185.3
AST-POCKET	1357.6	104.3	GRNWD-POCKET	806.3	137.4
STAT-POCKET	310.2	-12.9	E13-POCKET	311.1	-9.2
W49-POCKET	1356.9	-463.2	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.1	-67.0
ON-MAN-MIN	-0.7	-29.7	UPNY-SENY-M	5275.4	67.9
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.5	-120.2
AR-3-BULK-T	1401.6	364.4	AR-4-BULK-T	-720.9	222.8
AR-5-BULK-T	2841.1	341.8	AR-6-BULK-T	1126.5	13.2
AR-7-BULK-T	1552.6	315.1	AR-8-BULK-T	423.7	21.0
AR-3-TO-8-T	6624.5	1278.3	DNWDIE-SO-OC	4359.3	-874.6
I-TO-J	3426.4	-1032.7	CE+FRAS-GILB	3539.5	-1042.6
CE-GROUP	5608.1	-1465.1	HUDSONVALLEY	17856.2	-751.8
SENY-E-TO-G	2102.3	-435.0	UPNY-SENY-MC	6131.3	163.6
NORTH-CTY-EXPORT	285.6	24.6	NORTHERN EXPORT	700.4	-21.3
WESTERN EXPORT	1981.7	230.6			





Angle and Voltage Response for Contingency

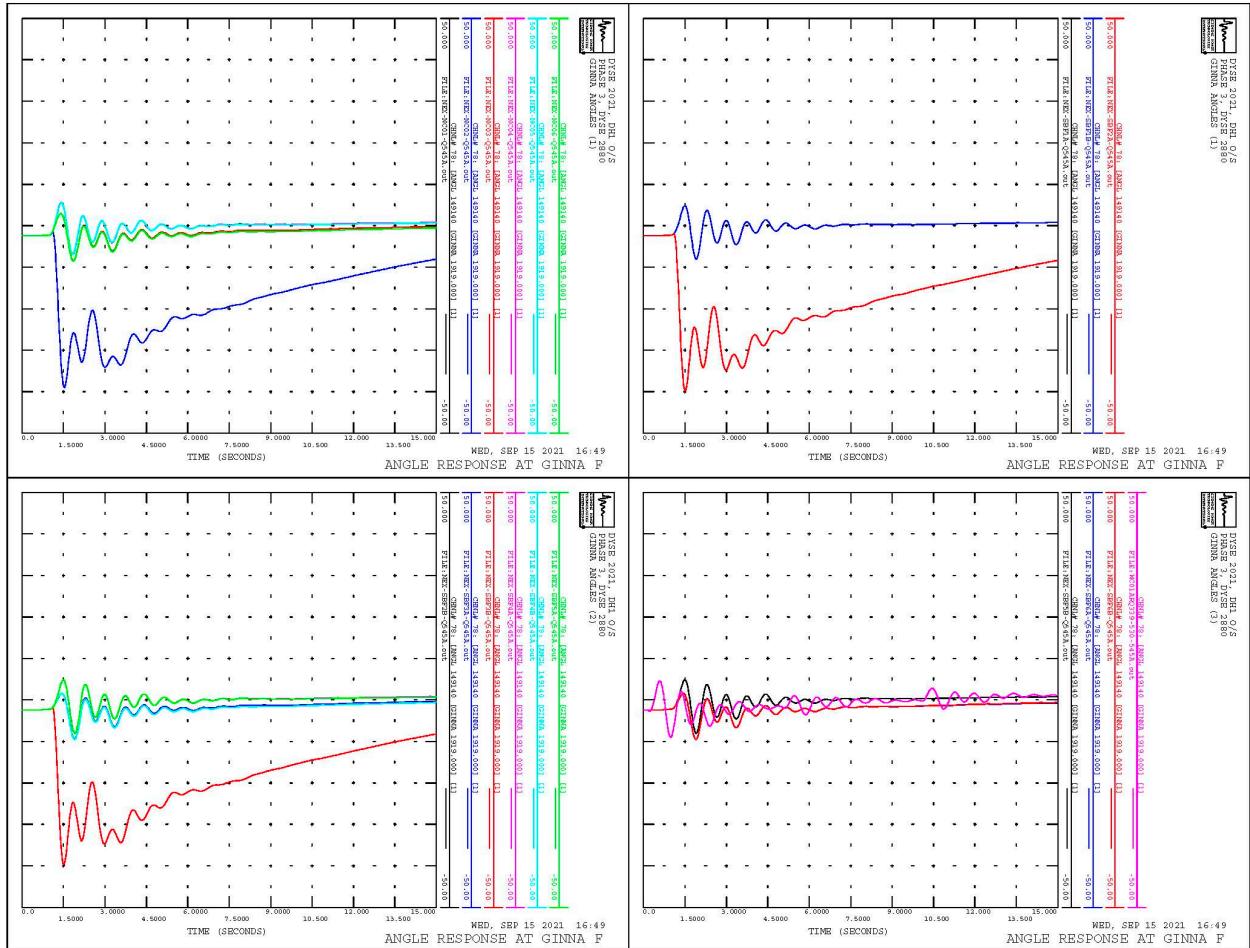


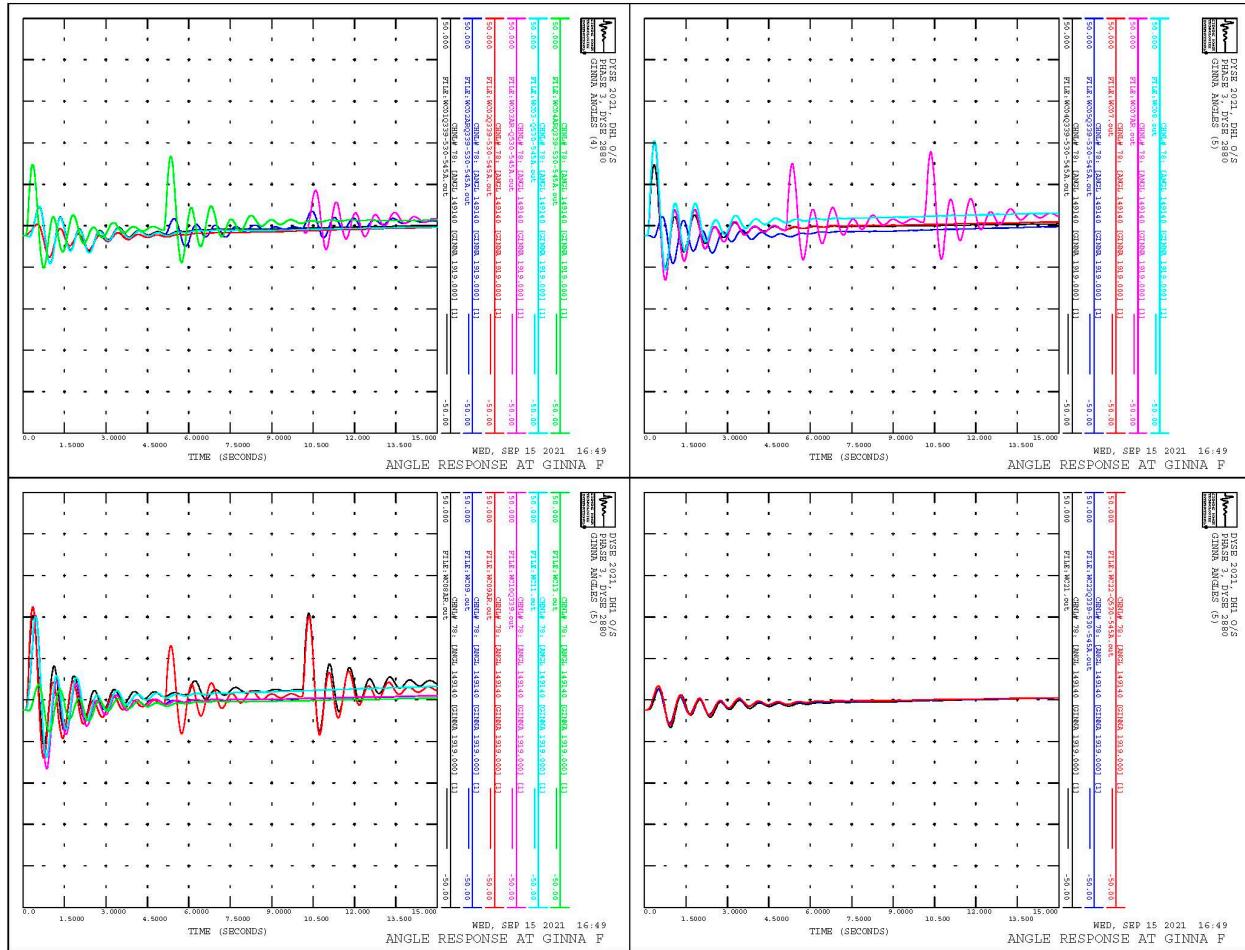
DH1 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, DH1 O/S
PHASE 3, DYSE 2880

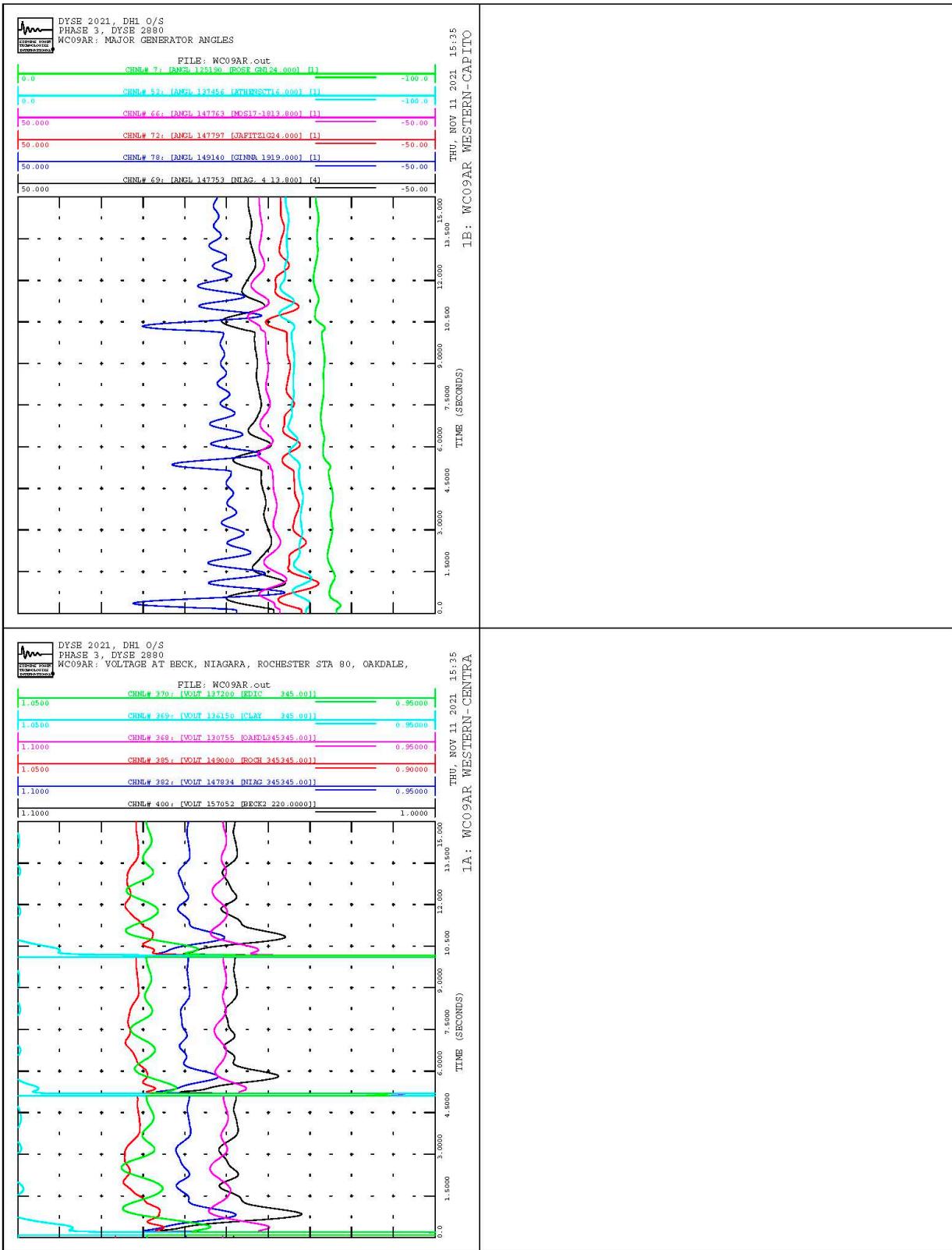
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2883.8	85.7	DYSE-CLOSE	5232.1	-260.9
WEST-CENTRAL	1527.9	-232.8	WESTC-CLOSE	3876.2	-314.5
VOLNEY-EAST	4131.8	270.1	VOLNEY-CLOSE	5949.7	210.2
MOSES-SOUTH	2478.1	-114.1	MOSES-CLOSE	2004.6	120.5
CENTRAL-EAST	2911.5	-799.2	TOTAL-EAST	6874.1	-1488.7
UPNY-SENY	6548.9	35.0	UPNY-SENY-CL	7855.1	72.4
UPNY-CONED	6664.9	223.0	UPNY-CON-CL	8388.5	87.7
MILLWOOD-SO	7780.0	-400.8	LIPA-IMPORT	2006.3	17.4
DNWDIE-SO-PL	4641.3	-936.7	DNWDIE-SO-PC	6365.0	-1071.9
DNWDIE-SO-OP	3723.9	-699.6	ABC-JK-PAR	-17.5	402.1
SENY-115kV	340.4	-74.9	SENY-F-To-G	3902.6	275.4
PJM-NY	1652.2	-86.1	NE-NY-WCSC	312.6	8.5
ON-NY	3901.2	228.7	ONT-MICH-PAR	451.5	-34.5
CONED-345	2313.8	-862.4	CONED-138	1111.6	-158.6
Y49-Y50	1215.9	84.3	138-POCKET	1954.3	188.5
AST-POCKET	1356.5	108.1	GRNWD-POCKET	806.5	138.1
STAT-POCKET	310.3	-12.3	E13-POCKET	310.7	-8.4
W49-POCKET	1356.5	-463.2	EVIEW-POCKET	547.1	405.4
DUNSO-POCKET	303.8	98.9	DUNNO-POCKET	0.3	-67.5
ON-MAN-MIN	-0.0	-30.1	UPNY-SENY-M	5270.4	97.0
EAST-HOLBRK	576.7	-88.1	NEWBRIDGE-E	-221.0	-118.6
AR-3-BULK-T	1513.5	312.1	AR-4-BULK-T	-700.2	236.9
AR-5-BULK-T	2831.5	338.7	AR-6-BULK-T	1128.0	4.2
AR-7-BULK-T	1553.6	317.8	AR-8-BULK-T	423.7	21.2
AR-3-TO-8-T	6750.1	1230.9	DNWDIE-SO-OC	4358.9	-860.2
I-TO-J	3425.4	-1021.0	CE+FRAS-GILB	3530.8	-979.7
CE-GROUP	5601.4	-1362.3	HUDSONVALLEY	17855.1	-678.8
SENY-E-TO-G	2104.0	-395.2	UPNY-SENY-MC	6131.5	207.6
NORTH-CTY-EXPORT	285.6	16.5	NORTHERN EXPORT	700.2	-58.0
WESTERN EXPORT	2155.8	187.1			





Angle and Voltage Response for Contingency



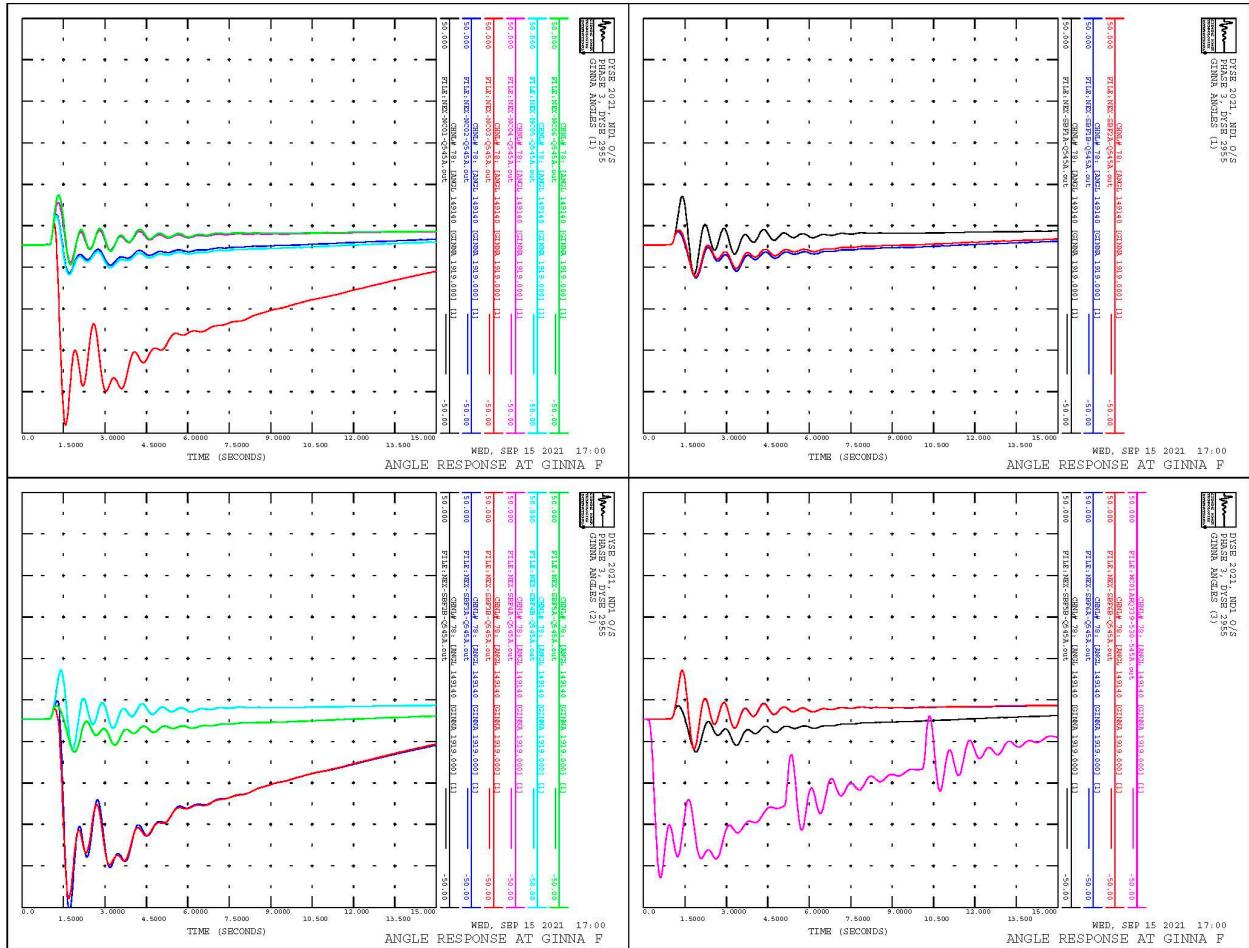
ND1 Out-of-Service

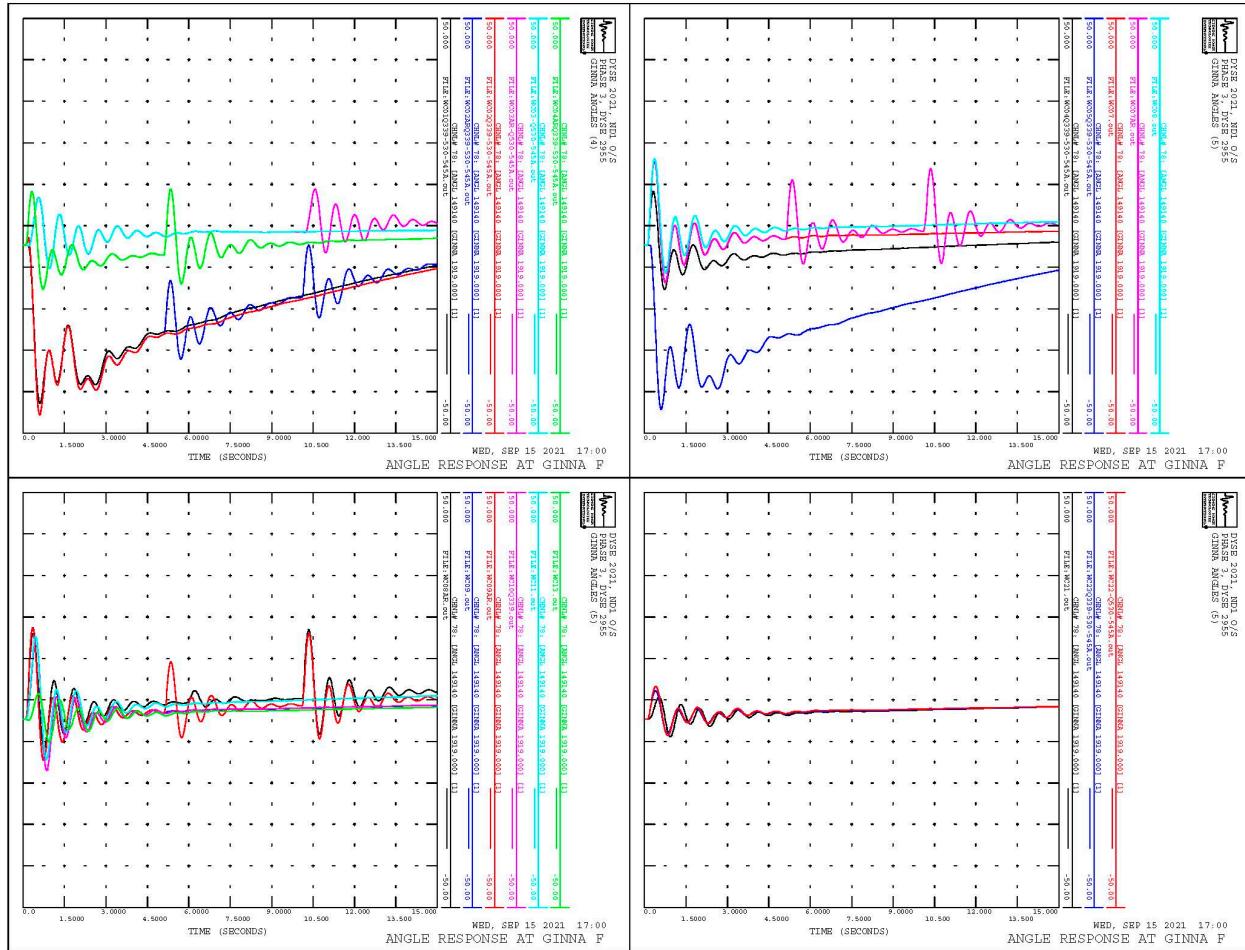
Interface Flow Report

CASE :DYSE 2021, ND1 O/S
PHASE 3, DYSE 2955

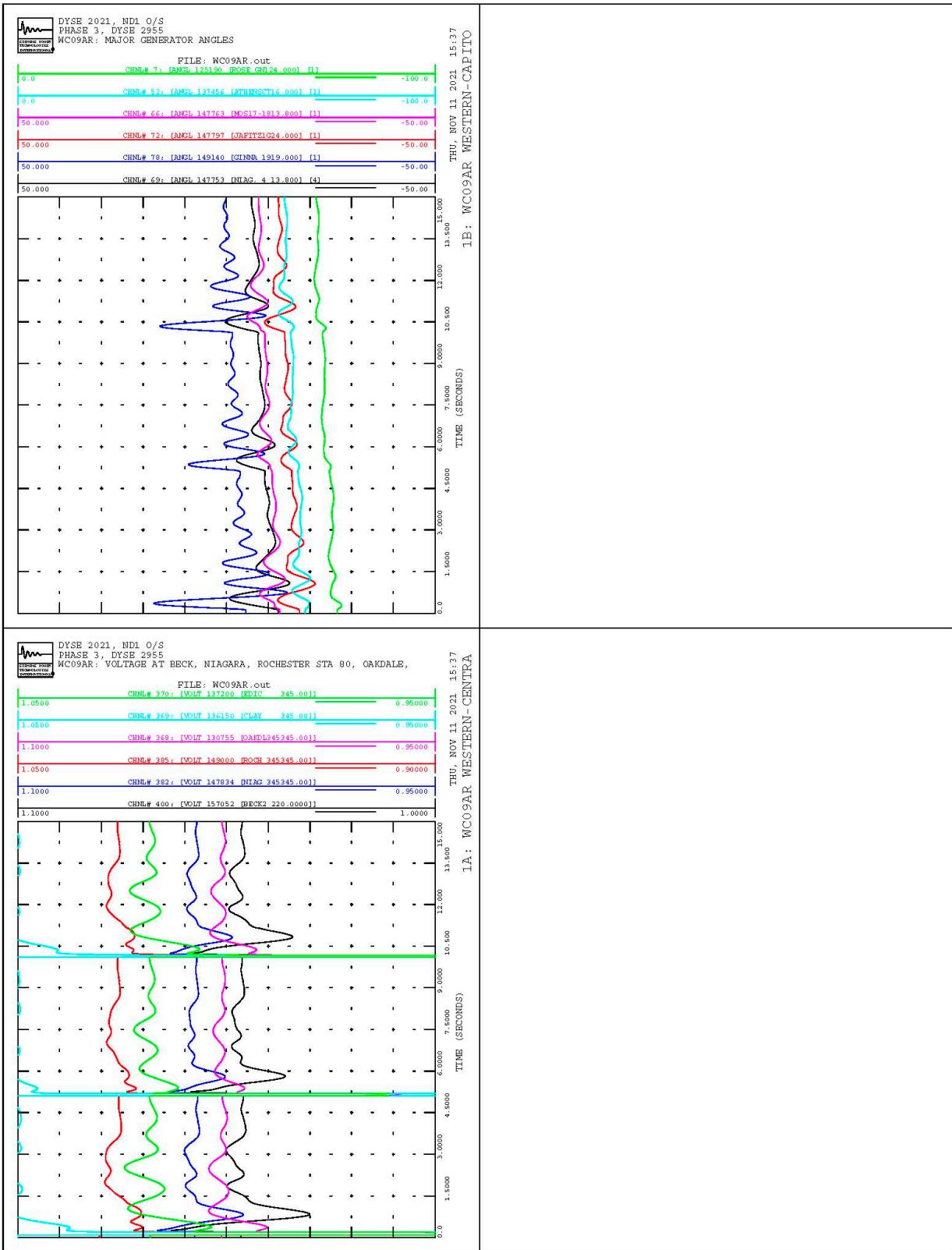
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2957.8	-268.2	DYSE-CLOSE	5265.8	-603.3
WEST-CENTRAL	1589.3	-218.3	WESTC-CLOSE	3897.3	-288.7
VOLNEY-EAST	4179.1	286.7	VOLNEY-CLOSE	5961.0	241.3
MOSES-SOUTH	2460.5	-110.8	MOSES-CLOSE	2004.6	113.4
CENTRAL-EAST	2924.8	-805.0	TOTAL-EAST	6882.0	-1498.6
UPNY-SENY	6560.1	29.3	UPNY-SENY-CL	7860.3	69.4
UPNY-CONED	6667.0	222.8	UPNY-CON-CL	8390.2	87.9
MILLWOOD-SO	7781.0	-404.6	LIPA-IMPORT	2006.5	16.4
DNWDIE-SO-PL	4643.0	-942.1	DNWDIE-SO-PC	6366.1	-1077.0
DNWDIE-SO-OP	3727.4	-704.1	ABC-JK-PAR	-25.1	404.4
SENY-115kV	342.9	-72.7	SENY-F-To-G	3914.5	274.0
PJM-NY	1629.1	-106.7	NE-NY-WCSC	312.1	12.3
ON-NY	3933.9	214.5	ONT-MICH-PAR	409.4	-32.0
CONED-345	2316.6	-866.7	CONED-138	1111.8	-158.6
Y49-Y50	1214.5	83.2	138-POCKET	1955.4	187.7
AST-POCKET	1357.6	107.5	GRNWD-POCKET	806.5	138.0
STAT-POCKET	310.3	-12.4	E13-POCKET	310.7	-8.7
W49-POCKET	1356.8	-463.7	EVIEW-POCKET	546.9	405.3
DUNSO-POCKET	303.7	98.9	DUNNO-POCKET	0.2	-67.4
ON-MAN-MIN	0.4	-30.1	UPNY-SENY-M	5288.7	94.6
EAST-HOLBRK	576.7	-87.9	NEWBRIDGE-E	-222.5	-118.9
AR-3-BULK-T	1513.3	299.3	AR-4-BULK-T	-687.0	234.7
AR-5-BULK-T	2820.6	346.8	AR-6-BULK-T	1129.6	14.4
AR-7-BULK-T	1551.8	316.7	AR-8-BULK-T	423.6	21.0
AR-3-TO-8-T	6751.9	1232.8	DNWDIE-SO-OC	4359.9	-864.4
I-TO-J	3428.5	-1025.3	CE+FRAS-GILB	3548.9	-986.2
CE-GROUP	5628.1	-1377.1	HUDSONVALLEY	17870.0	-690.0
SENY-E-TO-G	2113.1	-402.3	UPNY-SENY-MC	6137.2	204.3
NORTH-CTY-EXPORT	285.6	15.0	NORTHERN EXPORT	700.1	-65.1
WESTERN EXPORT	2103.5	128.2			





Angle and Voltage Response for Contingency

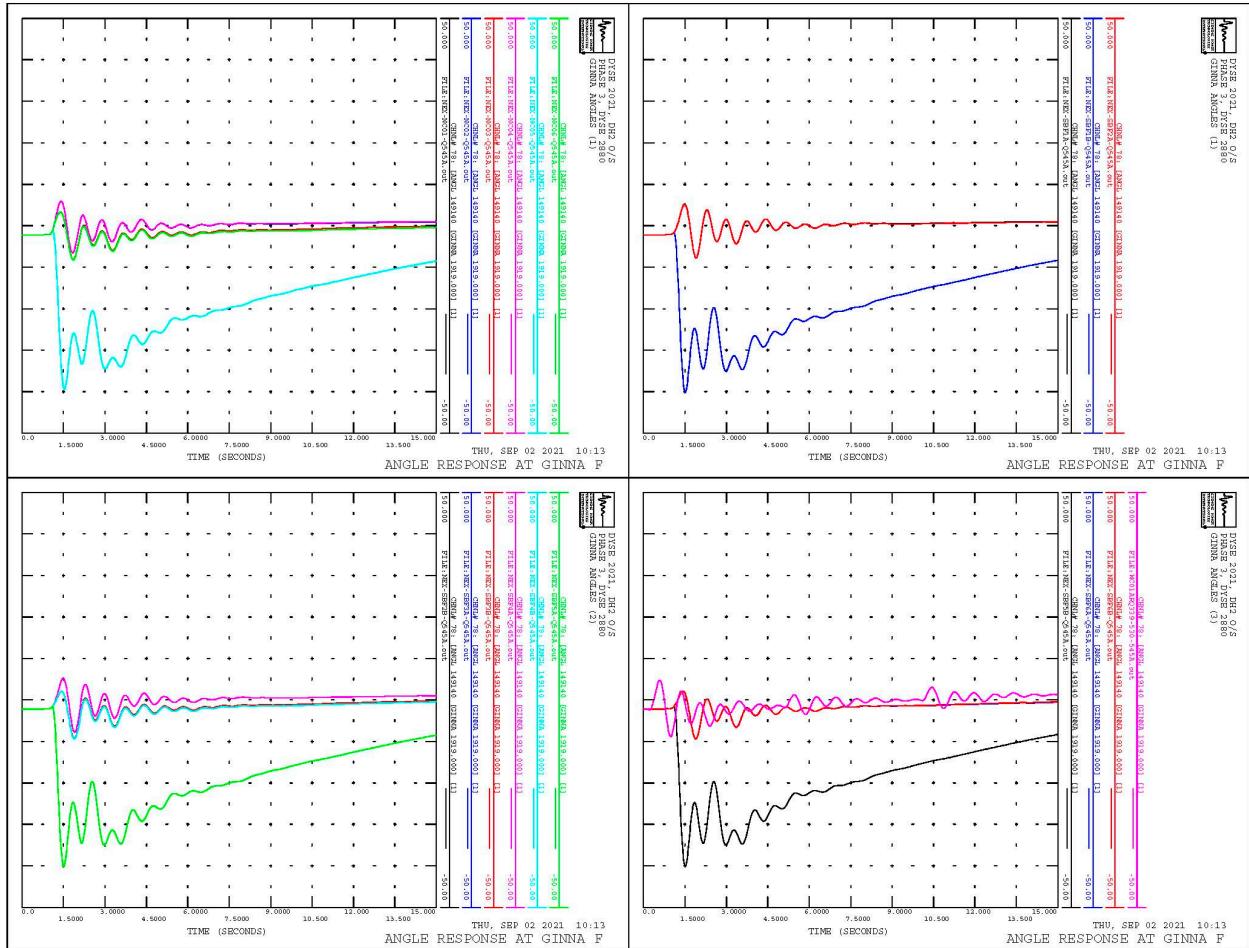


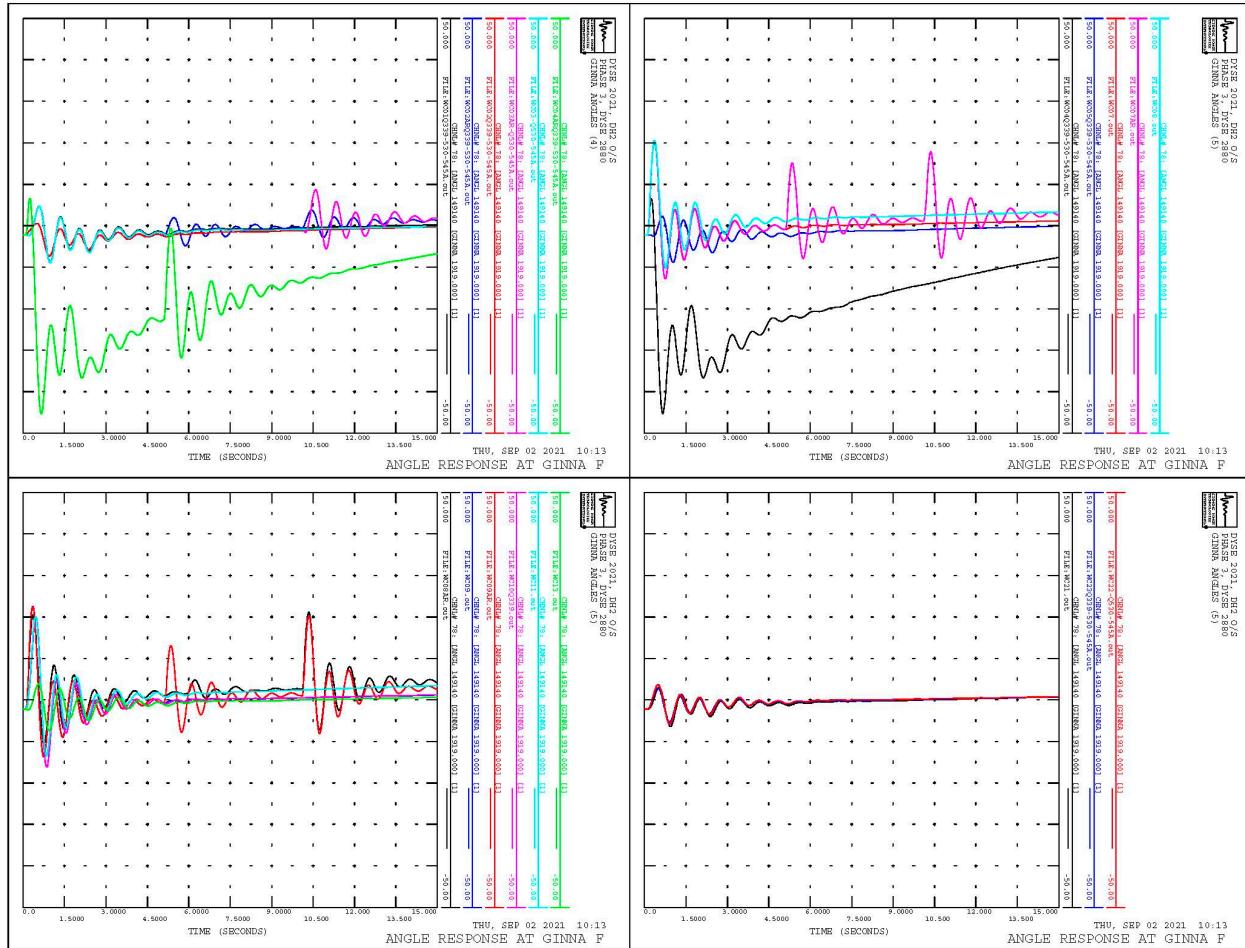
DH2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, DH2 O/S
PHASE 3, DYSE 2880

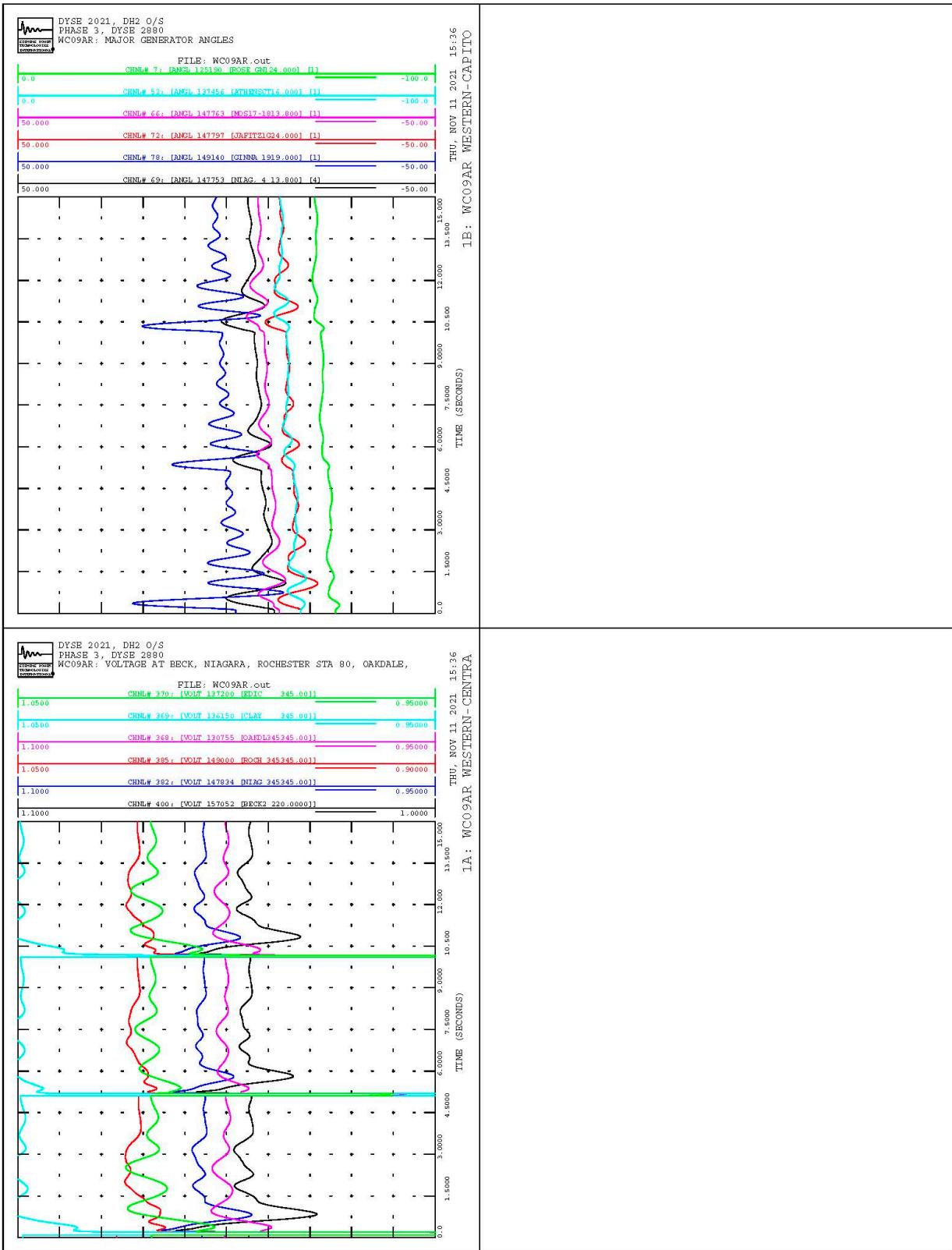
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2887.6	79.3	DYSE-CLOSE	5231.5	-261.7
WEST-CENTRAL	1541.7	-234.5	WESTC-CLOSE	3885.5	-310.6
VOLNEY-EAST	4130.4	274.4	VOLNEY-CLOSE	5949.2	217.0
MOSES-SOUTH	2474.6	-104.5	MOSES-CLOSE	2004.6	127.6
CENTRAL-EAST	2910.0	-797.9	TOTAL-EAST	6874.1	-1491.1
UPNY-SENY	6546.5	24.5	UPNY-SENY-CL	7855.2	62.1
UPNY-CONED	6664.2	222.2	UPNY-CON-CL	8388.7	87.3
MILLWOOD-SO	7780.2	-401.3	LIPA-IMPORT	2006.3	17.2
DNWDIE-SO-PL	4640.7	-937.5	DNWDIE-SO-PC	6365.2	-1072.4
DNWDIE-SO-OP	3723.3	-700.1	ABC-JK-PAR	-15.2	402.2
SENY-115kV	339.7	-76.3	SENY-F-To-G	3900.0	268.0
PJM-NY	1651.8	-84.2	NE-NY-WCSC	312.7	16.4
ON-NY	3901.1	233.3	ONT-MICH-PAR	452.4	-34.1
CONED-345	2313.2	-862.5	CONED-138	1111.7	-159.0
Y49-Y50	1215.9	84.0	138-POCKET	1954.6	188.4
AST-POCKET	1357.0	106.5	GRNWD-POCKET	806.4	137.7
STAT-POCKET	310.2	-12.5	E13-POCKET	310.7	-8.5
W49-POCKET	1356.4	-461.6	EVIEW-POCKET	547.1	405.4
DUNSO-POCKET	303.7	98.9	DUNNO-POCKET	0.3	-67.4
ON-MAN-MIN	-0.0	-29.7	UPNY-SENY-M	5267.3	88.3
EAST-HOLBRK	576.7	-88.6	NEWBRIDGE-E	-221.0	-118.8
AR-3-BULK-T	1512.7	316.5	AR-4-BULK-T	-697.6	236.8
AR-5-BULK-T	2828.8	346.6	AR-6-BULK-T	1126.9	10.9
AR-7-BULK-T	1554.1	314.2	AR-8-BULK-T	423.9	21.3
AR-3-TO-8-T	6748.7	1246.4	DNWDIE-SO-OC	4359.2	-860.5
I-TO-J	3424.9	-1021.4	CE+FRAS-GILB	3528.1	-978.4
CE-GROUP	5597.6	-1364.9	HUDSONVALLEY	17851.5	-690.8
SENY-E-TO-G	2102.8	-399.2	UPNY-SENY-MC	6130.7	197.0
NORTH-CTY-EXPORT	285.6	16.4	NORTHERN EXPORT	700.1	-53.6
WESTERN EXPORT	2146.7	159.7			





Angle and Voltage Response for Contingency

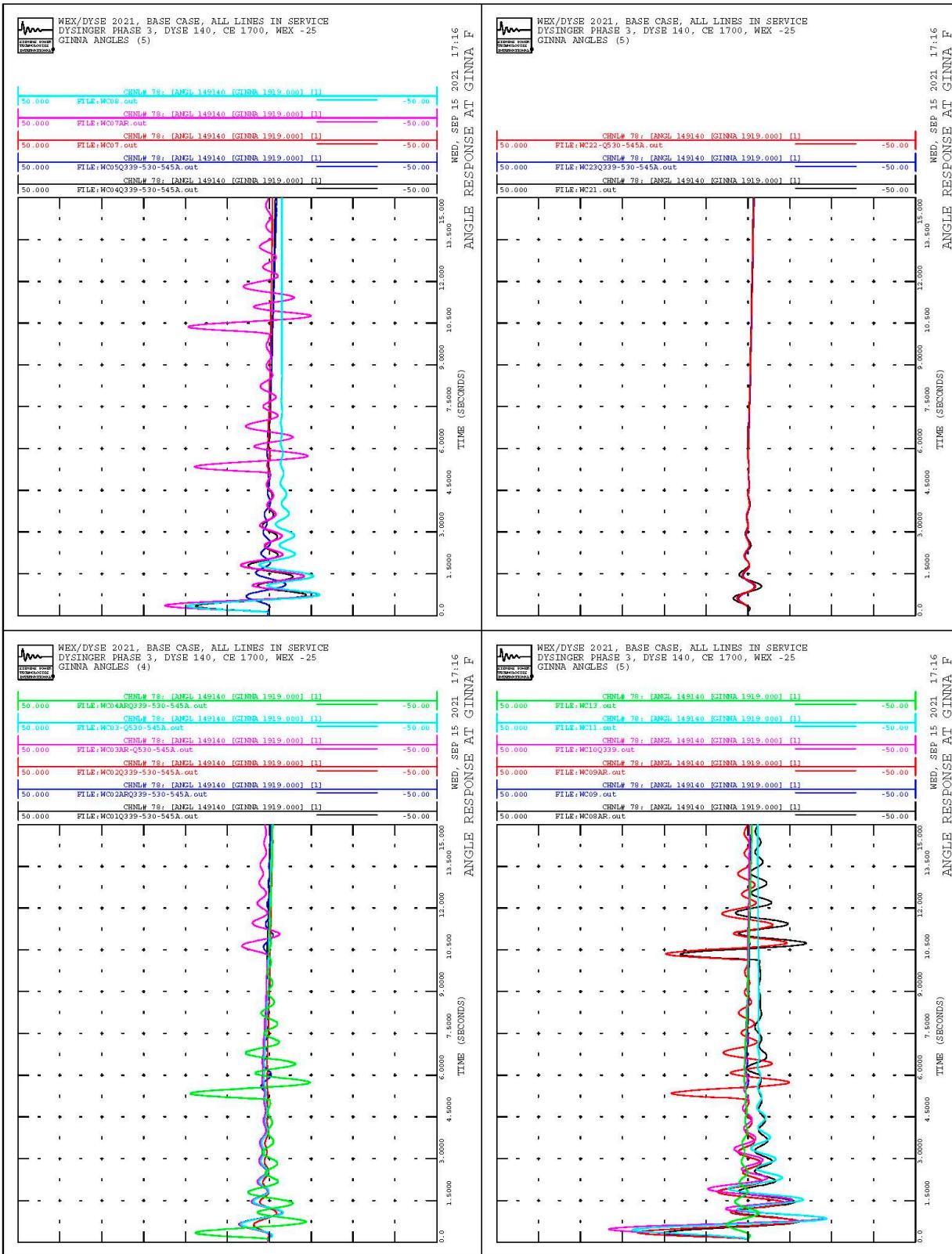


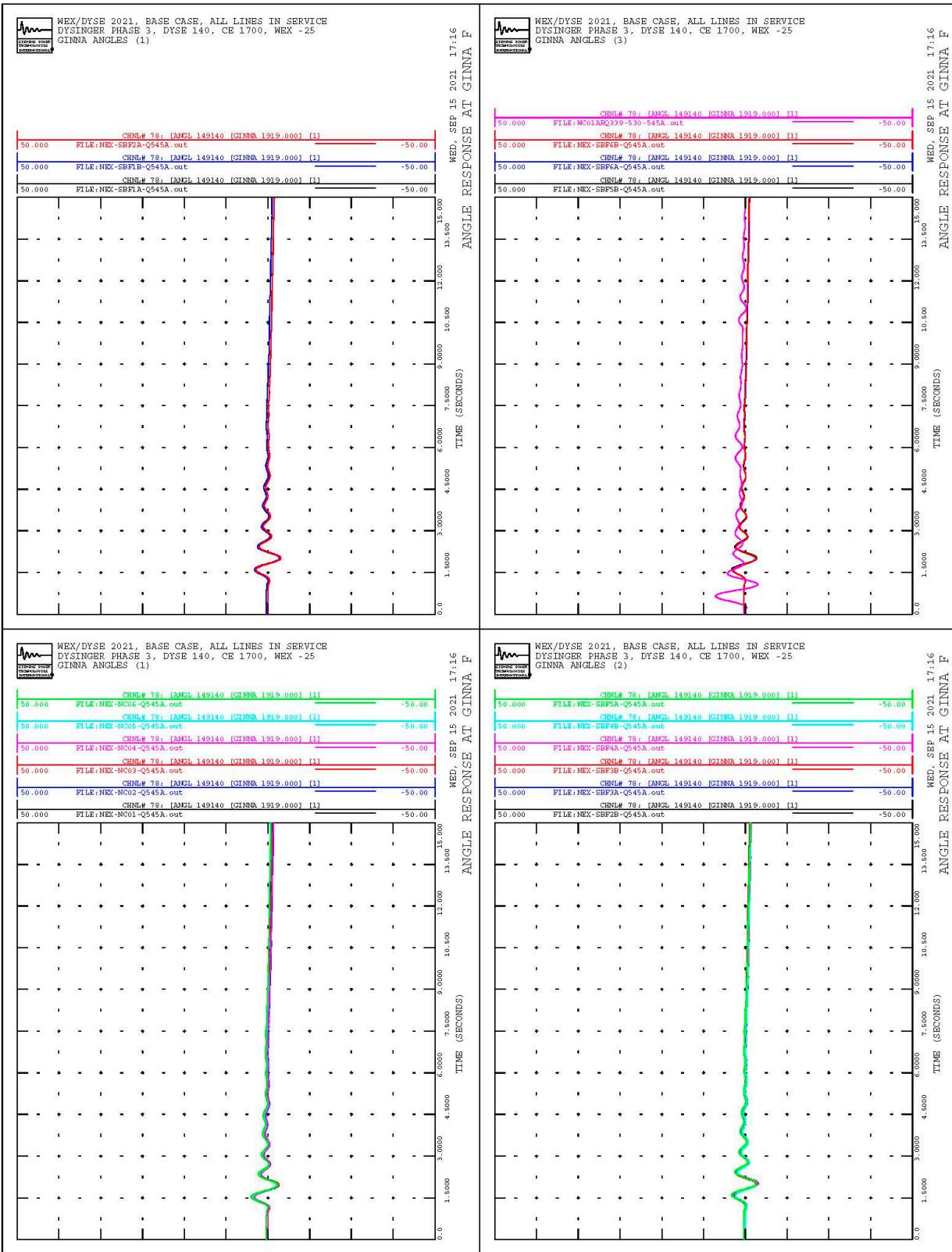
DH2 and DH1 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, Dh1 & DH2 O/S
PHASE 3, DYSE 1480

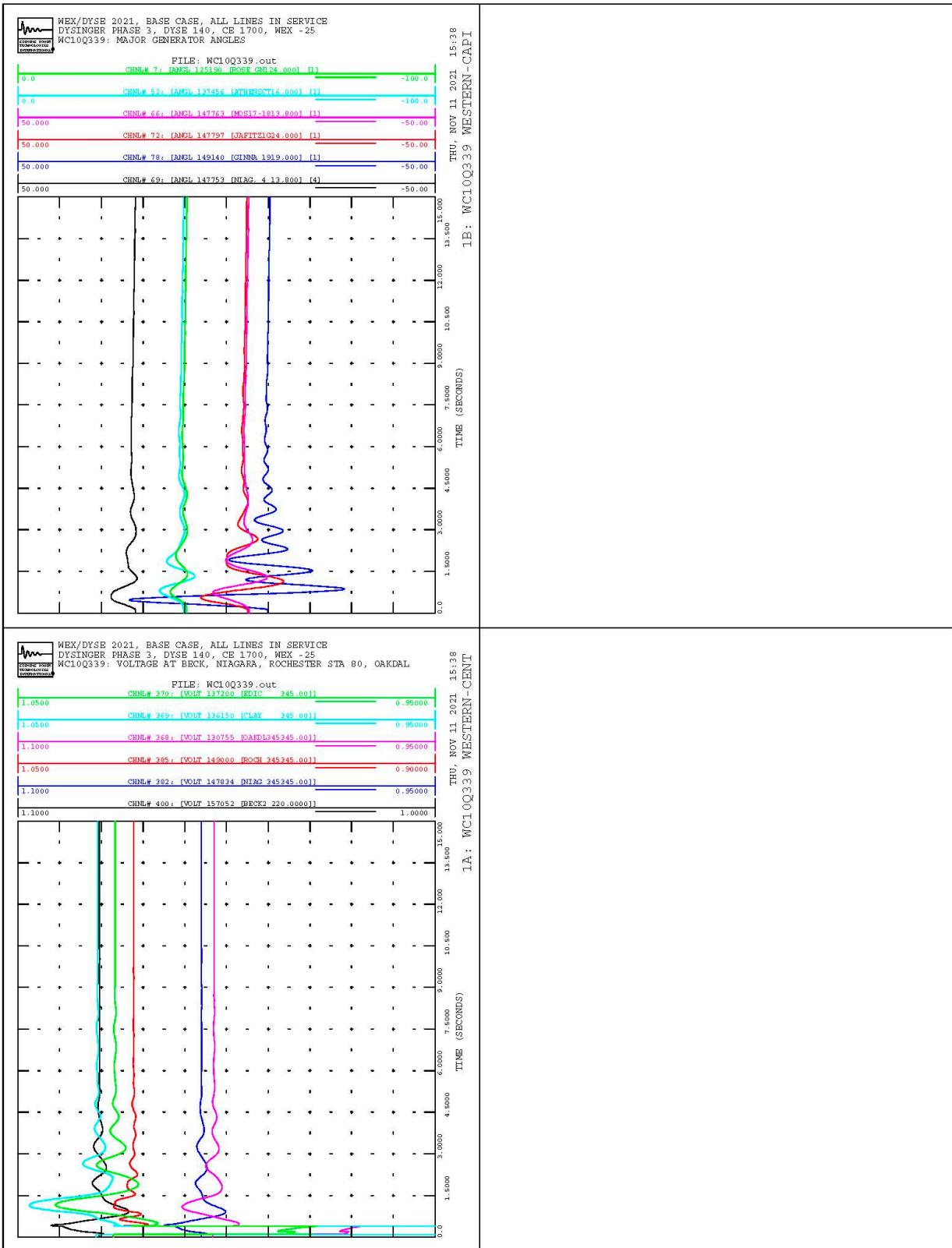
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	1478.9	-50.8	DYSE-CLOSE	3256.3	-205.3
WEST-CENTRAL	38.7	108.4	WESTC-CLOSE	1816.0	219.3
VOLNEY-EAST	2119.8	-25.4	VOLNEY-CLOSE	3646.4	115.7
MOSES-SOUTH	2192.1	-91.3	MOSES-CLOSE	2004.9	-36.4
CENTRAL-EAST	1883.7	-226.0	TOTAL-EAST	4738.1	-487.0
UPNY-SENY	5511.7	76.4	UPNY-SENY-CL	6815.5	204.5
UPNY-CONED	6715.3	166.0	UPNY-CON-CL	8439.5	46.9
MILLWOOD-SO	7830.3	-476.6	LIPA-IMPORT	2006.3	4.6
DNWDIE-SO-PL	4691.3	-1019.7	DNWDIE-SO-PC	6415.5	-1138.8
DNWDIE-SO-OP	3775.9	-769.6	ABC-JK-PAR	-22.2	492.4
SENY-115kV	290.5	-80.0	SENY-F-To-G	3447.6	63.5
PJM-NY	1146.1	58.1	NE-NY-WCSC	312.5	178.6
ON-NY	1814.3	534.5	ONT-MICH-PAR	196.8	-19.8
CONED-345	2365.6	-917.4	CONED-138	1111.5	-173.8
Y49-Y50	1214.1	71.5	138-POCKET	1954.0	148.7
AST-POCKET	1408.5	75.6	GRNWD-POCKET	806.2	135.8
STAT-POCKET	309.7	-13.3	E13-POCKET	322.6	122.3
W49-POCKET	1357.4	-492.7	EVIEW-POCKET	544.3	367.7
DUNSO-POCKET	303.6	99.4	DUNNO-POCKET	3.4	-36.7
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	4491.9	64.0
EAST-HOLBRK	576.9	-87.4	NEWBRIDGE-E	-223.0	-124.3
AR-3-BULK-T	1659.9	322.7	AR-4-BULK-T	-483.1	243.4
AR-5-BULK-T	2633.9	250.3	AR-6-BULK-T	900.2	346.8
AR-7-BULK-T	1475.1	319.5	AR-8-BULK-T	397.8	1.2
AR-3-TO-8-T	6583.8	1484.0	DNWDIE-SO-OC	4409.4	-914.5
I-TO-J	3477.1	-1091.2	CE+FRAS-GILB	1889.0	-293.7
CE-GROUP	3484.3	-406.8	HUDSONVALLEY	16918.2	-777.3
SENY-E-TO-G	1616.5	-121.5	UPNY-SENY-MC	5091.3	323.6
NORTH-CTY-EXPORT	285.6	-11.6	NORTHERN EXPORT	699.1	-180.3
WESTERN EXPORT	1944.1	439.6			





Angle and Voltage Response for Contingency



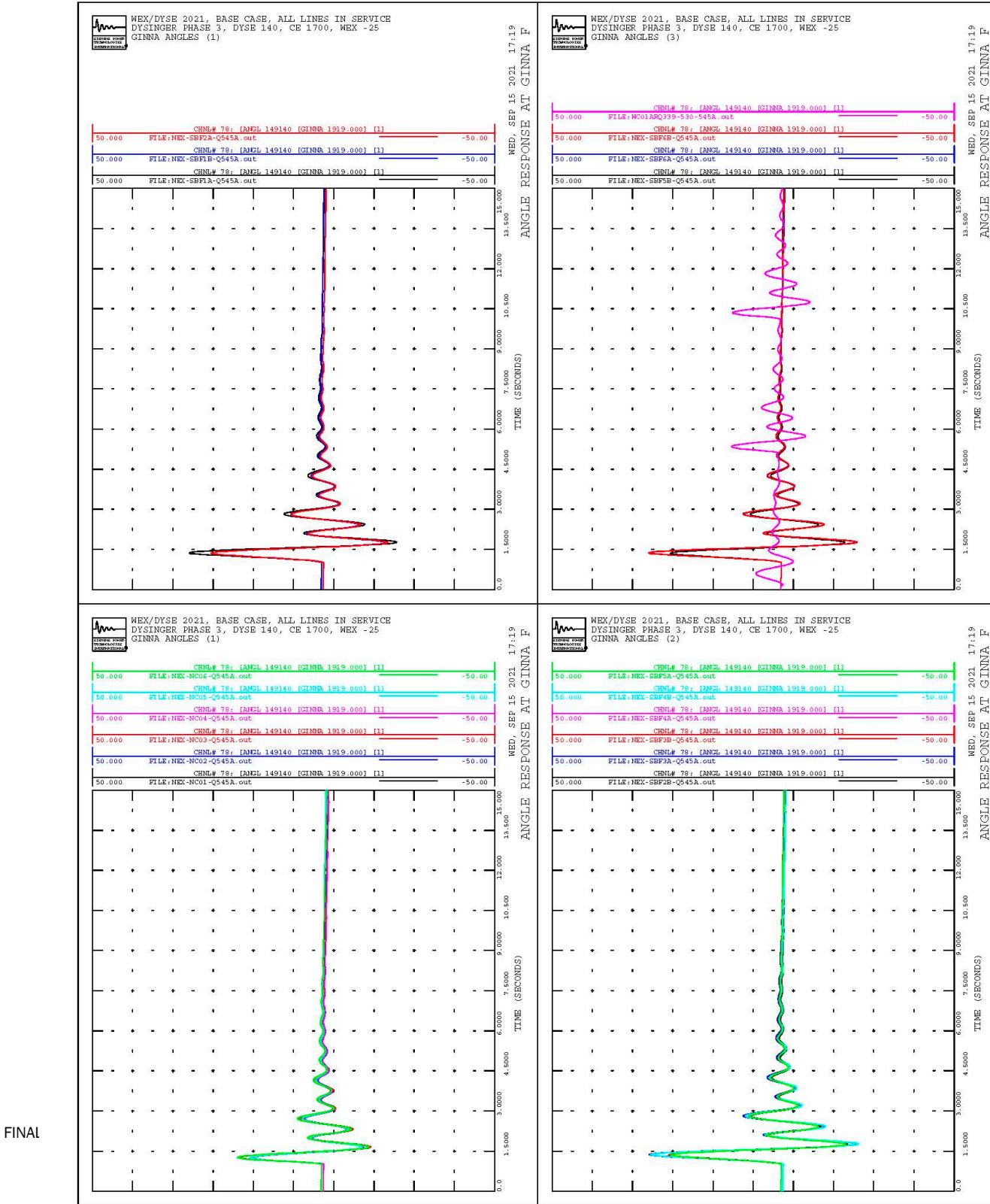
ND1 and ND2 Out-of-Service

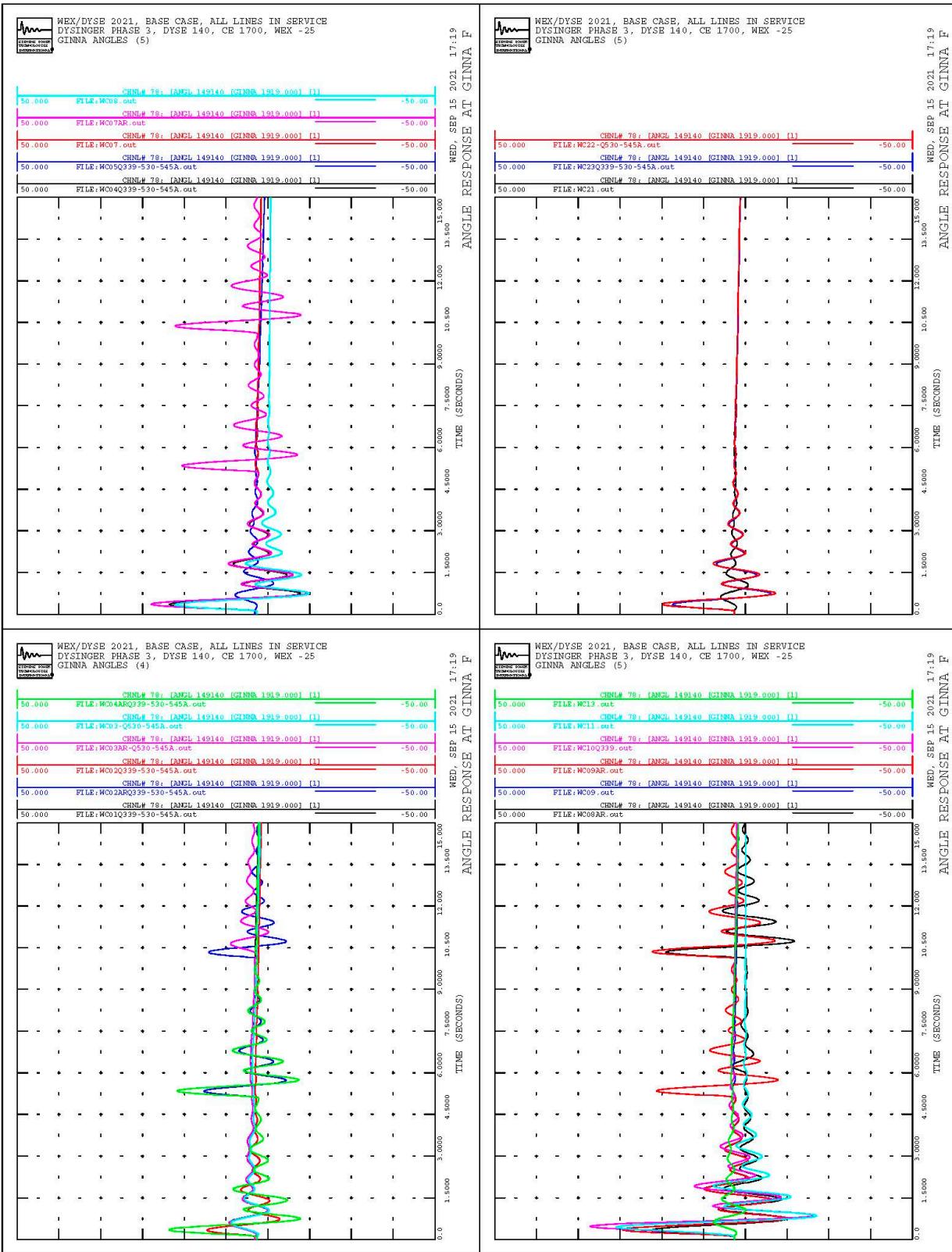
Interface Flow Report

CASE :DYSE 2021, ND1 & ND2 O/S
PHASE 3, DYSE 1480

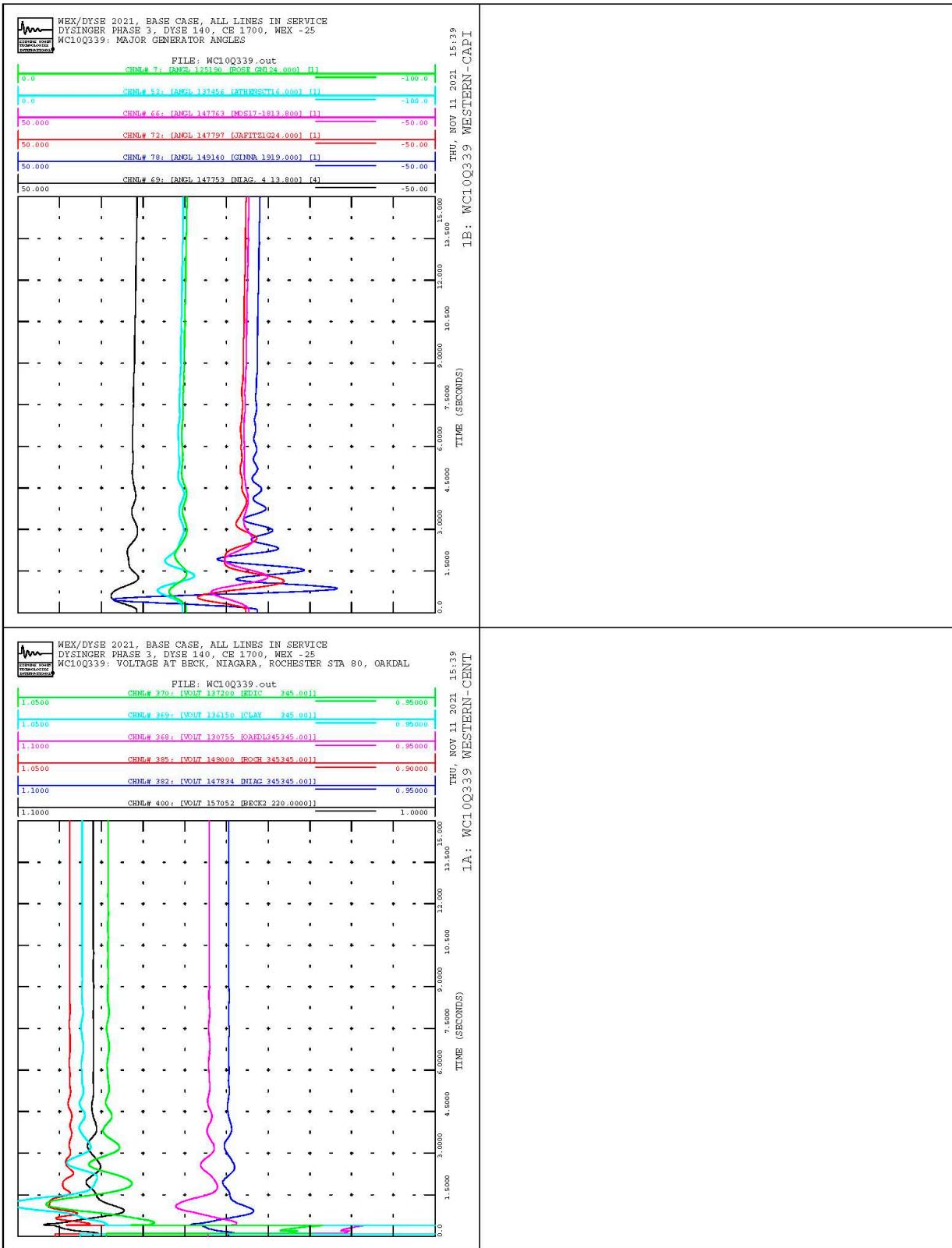
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	1477.9	-44.5	DYSE-CLOSE	3253.4	-205.5
WEST-CENTRAL	39.4	197.4	WESTC-CLOSE	1814.9	301.9
VOLNEY-EAST	2118.0	-5.6	VOLNEY-CLOSE	3645.1	134.1
MOSES-SOUTH	2193.3	-98.5	MOSES-CLOSE	2004.9	-43.0
CENTRAL-EAST	1883.3	-217.0	TOTAL-EAST	4738.2	-469.3
UPNY-SENY	5514.0	82.3	UPNY-SENY-CL	6815.7	209.9
UPNY-CONED	6716.3	167.1	UPNY-CON-CL	8439.6	47.8
MILLWOOD-SO	7830.5	-475.5	LIPA-IMPORT	2006.3	4.8
DNWDIE-SO-PL	4692.2	-1018.5	DNWDIE-SO-PC	6415.6	-1137.7
DNWDIE-SO-OP	3776.5	-768.6	ABC-JK-PAR	-23.9	491.9
SENY-115kV	290.5	-79.9	SENY-F-To-G	3447.5	64.8
PJM-NY	1149.1	59.4	NE-NY-WCSC	312.6	176.9
ON-NY	1811.6	499.5	ONT-MICH-PAR	199.6	-20.0
CONED-345	2366.0	-916.6	CONED-138	1111.7	-173.7
Y49-Y50	1214.4	71.8	138-POCKET	1954.1	149.0
AST-POCKET	1408.5	75.9	GRNWD-POCKET	806.3	135.8
STAT-POCKET	309.7	-13.3	E13-POCKET	322.6	122.4
W49-POCKET	1357.4	-492.4	EVIEW-POCKET	544.3	367.7
DUNSO-POCKET	303.6	99.4	DUNNO-POCKET	3.3	-36.7
ON-MAN-MIN	-0.3	-29.8	UPNY-SENY-M	4492.3	67.5
EAST-HOLBRK	576.9	-87.4	NEWBRIDGE-E	-222.8	-124.3
AR-3-BULK-T	1657.7	320.5	AR-4-BULK-T	-485.3	247.5
AR-5-BULK-T	2634.6	246.8	AR-6-BULK-T	900.2	349.3
AR-7-BULK-T	1475.1	320.0	AR-8-BULK-T	397.8	1.2
AR-3-TO-8-T	6580.0	1485.4	DNWDIE-SO-OC	4409.5	-913.6
I-TO-J	3477.8	-1090.3	CE+FRAS-GILB	1888.3	-280.6
CE-GROUP	3484.6	-388.4	HUDSONVALLEY	16922.5	-769.1
SENY-E-TO-G	1617.5	-116.2	UPNY-SENY-MC	5092.4	329.2
NORTH-CTY-EXPORT	285.6	-12.2	NORTHERN EXPORT	699.1	-182.8
WESTERN EXPORT	1944.0	408.3			





Angle and Voltage Response for Contingency



Appendix D: Phase 4

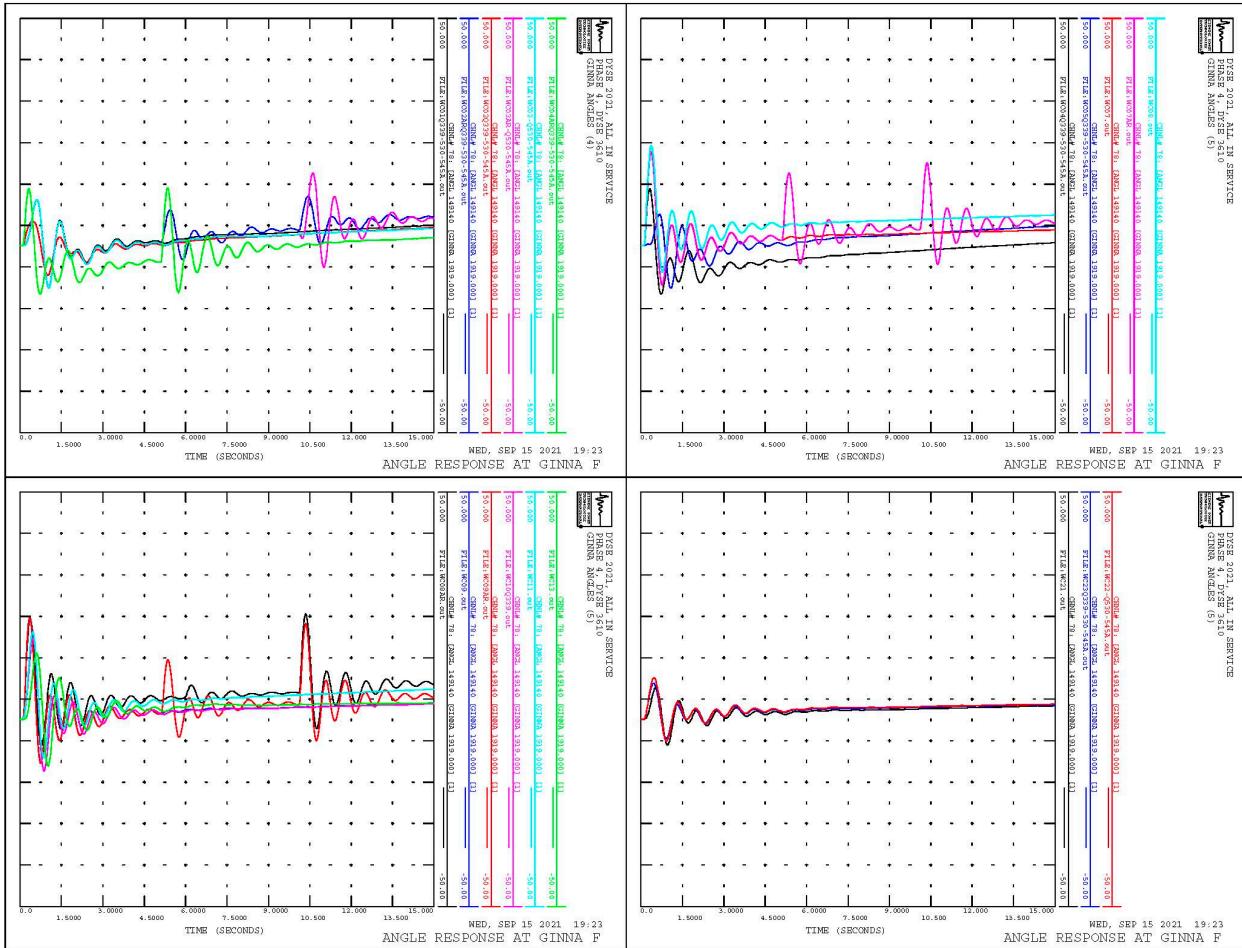
All Lines In-Service

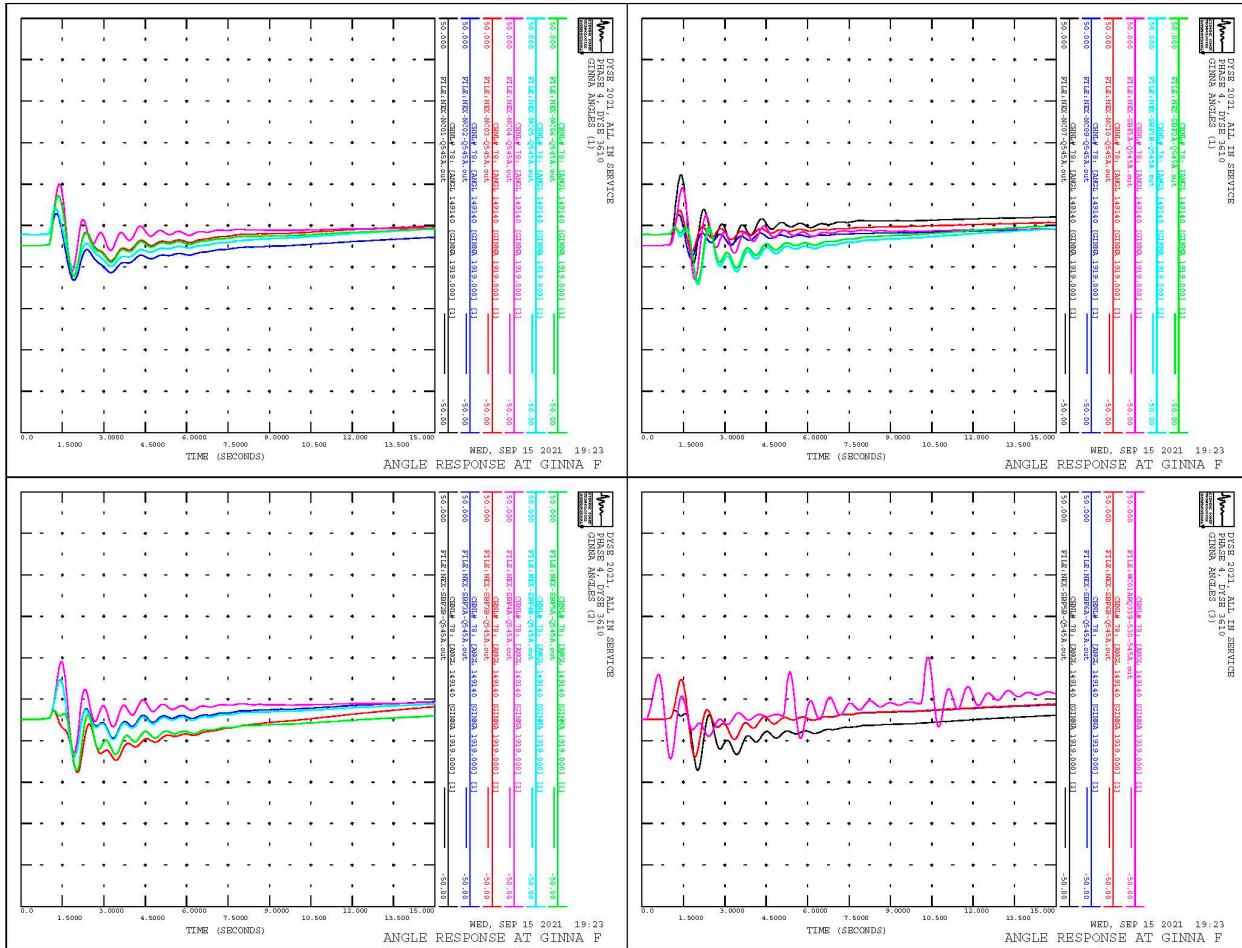
Interface Flow Report

CASE :DYSE 2021, ALL IN SERVICE
PHASE 4, DYSE 3610

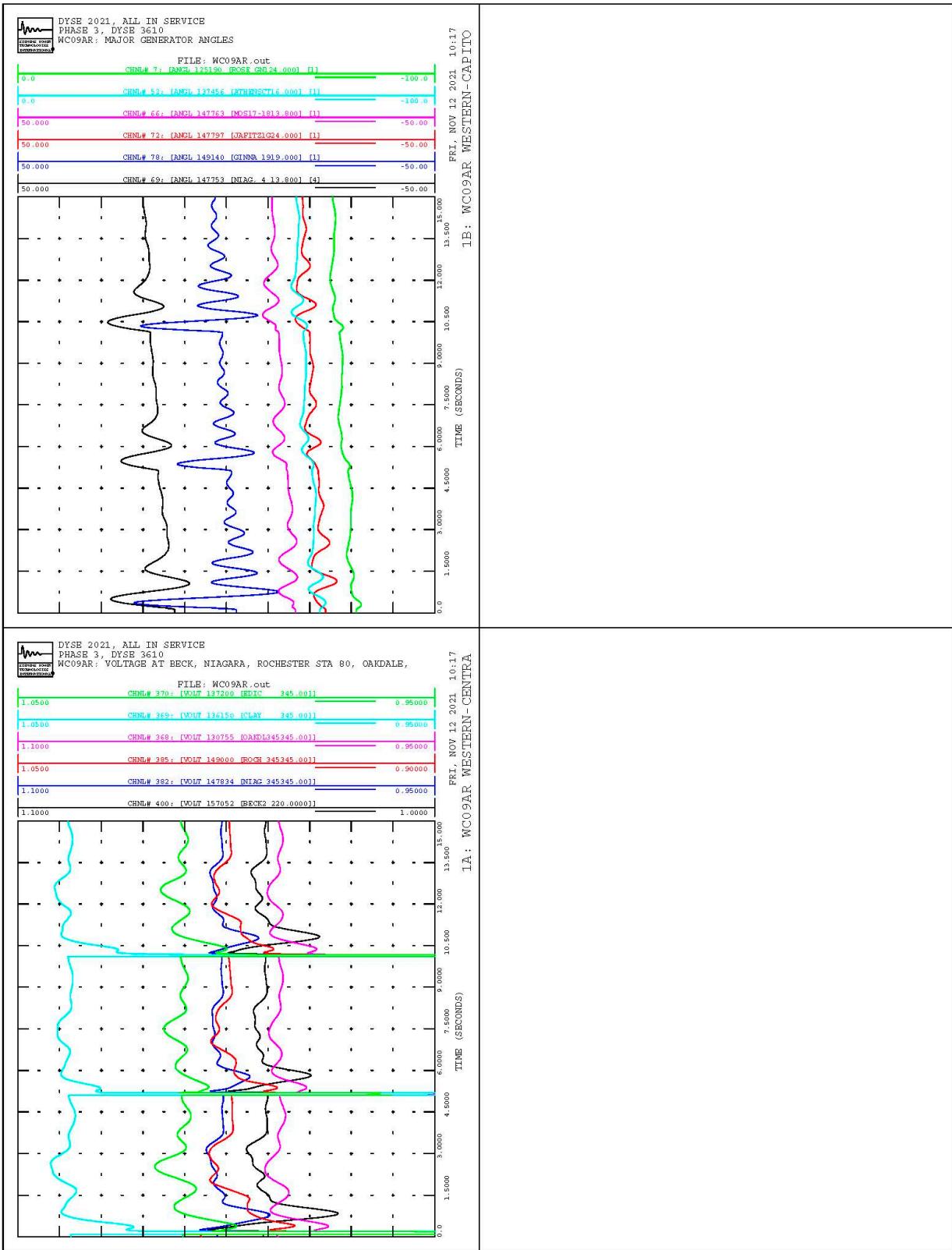
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3615.3	21.2	DYSE-CLOSE	6058.1	-324.0
WEST-CENTRAL	2177.5	-442.7	WESTC-CLOSE	4685.2	-523.7
VOLNEY-EAST	4110.7	211.1	VOLNEY-CLOSE	5955.3	132.2
MOSES-SOUTH	2510.8	-82.6	MOSES-CLOSE	2004.7	173.9
CENTRAL-EAST	2902.6	-816.3	TOTAL-EAST	6875.8	-1568.5
UPNY-SENY	6552.8	-10.7	UPNY-SENY-CL	7855.8	30.0
UPNY-CONED	6664.0	216.2	UPNY-CON-CL	8388.2	77.6
MILLWOOD-SO	7779.6	-415.7	LIPA-IMPORT	2006.3	14.7
DNWDIE-SO-PL	4640.9	-950.3	DNWDIE-SO-PC	6365.0	-1088.9
DNWDIE-SO-OP	3725.5	-710.8	ABC-JK-PAR	-22.5	404.5
SENY-115kV	341.4	-75.0	SENY-F-To-G	3907.1	261.4
PJM-NY	1568.3	-58.1	NE-NY-WCSC	312.4	28.4
ON-NY	3985.3	193.5	ONT-MICH-PAR	366.5	-2.6
CONED-345	2315.0	-871.9	CONED-138	1111.7	-159.6
Y49-Y50	1214.2	81.3	138-POCKET	1955.4	185.5
AST-POCKET	1357.2	104.4	GRNWD-POCKET	806.4	137.4
STAT-POCKET	310.2	-13.0	E13-POCKET	311.1	-9.1
W49-POCKET	1357.0	-463.0	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	5276.7	71.1
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.8	-120.0
AR-3-BULK-T	1408.5	353.4	AR-4-BULK-T	-720.9	228.3
AR-5-BULK-T	2840.0	340.5	AR-6-BULK-T	1125.5	16.6
AR-7-BULK-T	1552.9	311.5	AR-8-BULK-T	423.7	21.0
AR-3-TO-8-T	6629.6	1271.3	DNWDIE-SO-OC	4359.0	-874.9
I-TO-J	3426.7	-1031.5	CE+FRAS-GILB	3539.8	-1026.5
CE-GROUP	5611.5	-1445.6	HUDSONVALLEY	17857.7	-744.8
SENY-E-TO-G	2105.4	-431.4	UPNY-SENY-MC	6131.6	168.6
NORTH-CTY-EXPORT	285.6	23.7	NORTHERN EXPORT	700.4	-25.5
WESTERN EXPORT	1856.3	189.2			





Angle and Voltage Response for Contingency



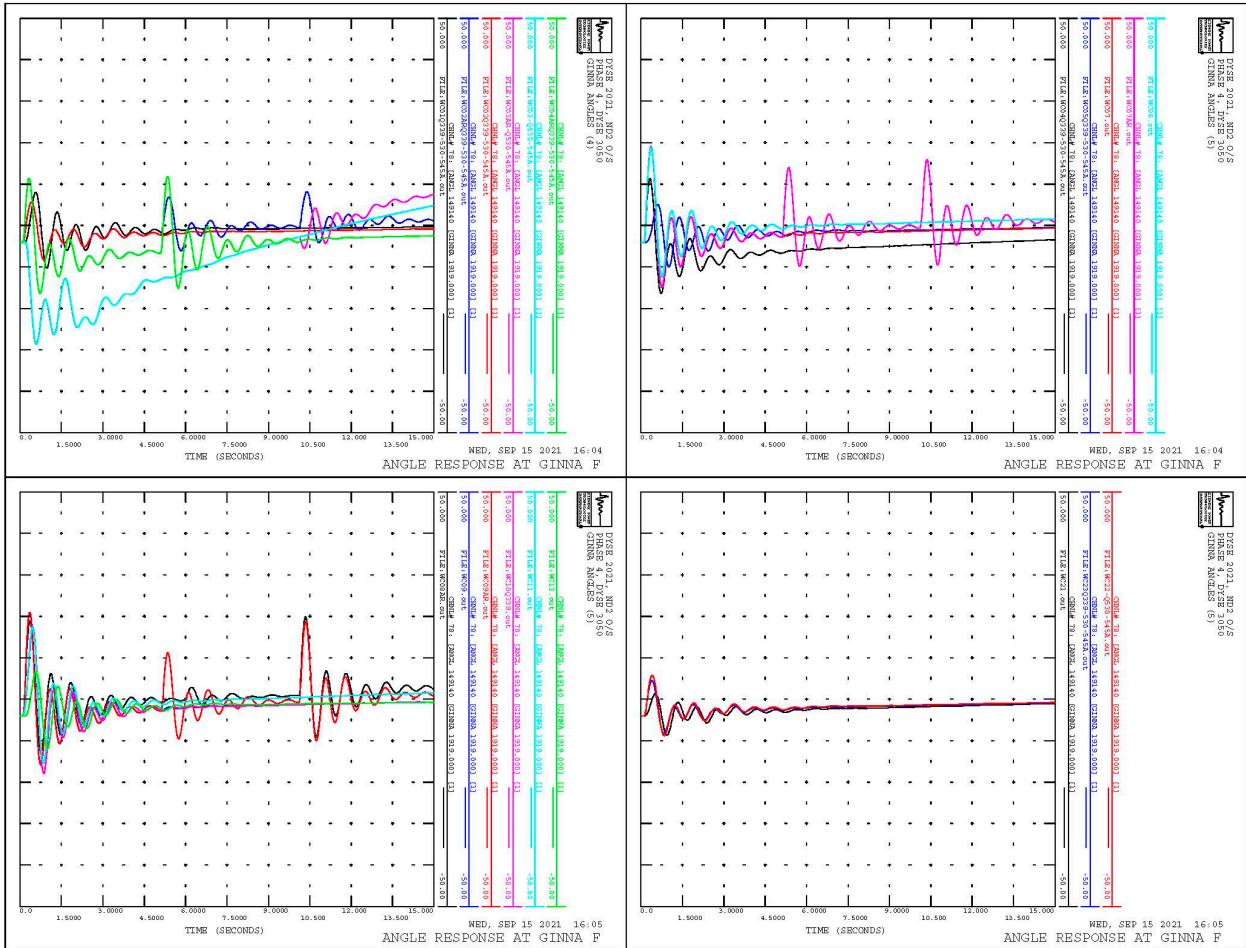
ND2 Out-of-Service

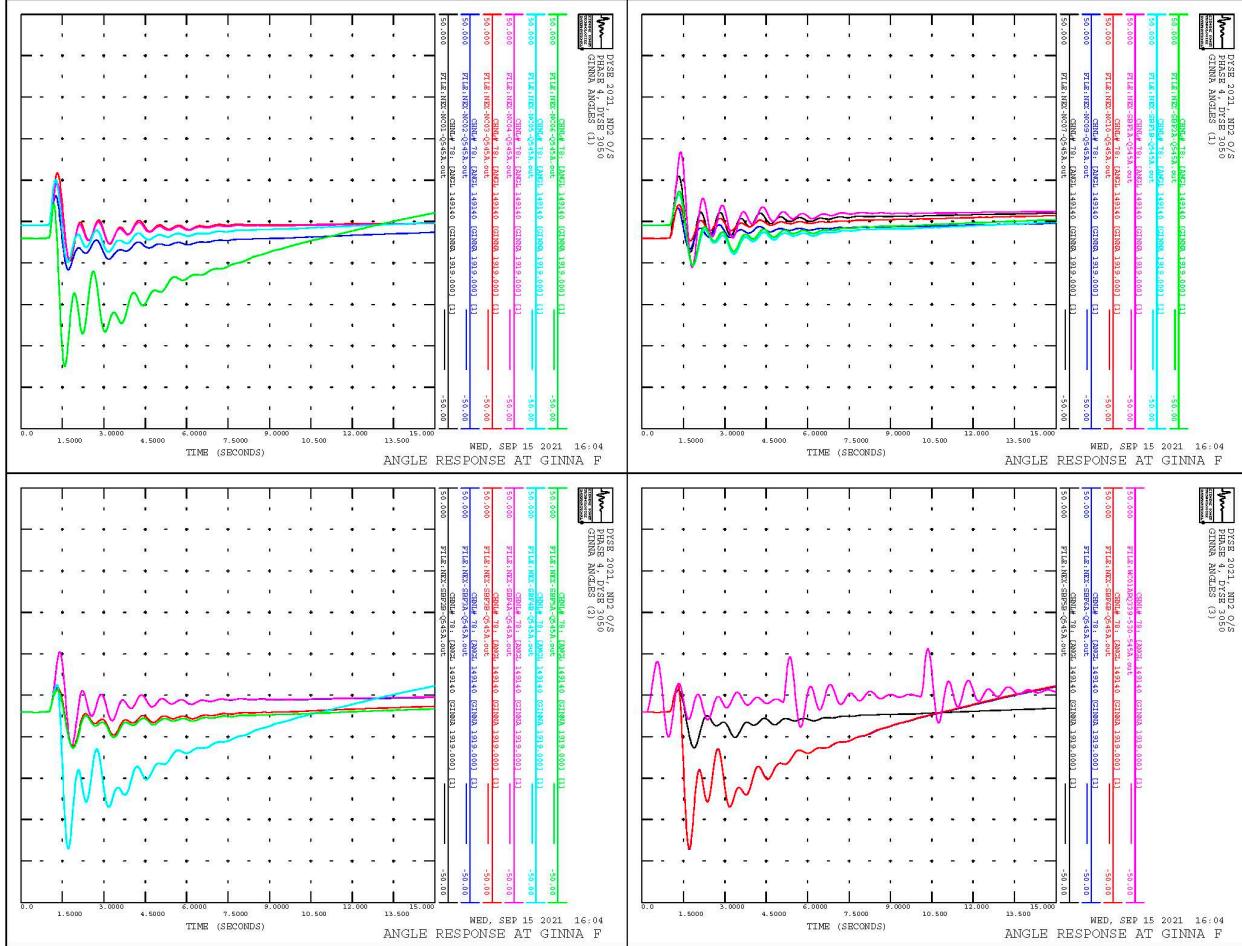
Interface Flow Report

CASE :DYSE 2021, ND2 O/S
PHASE 4, DYSE 3050

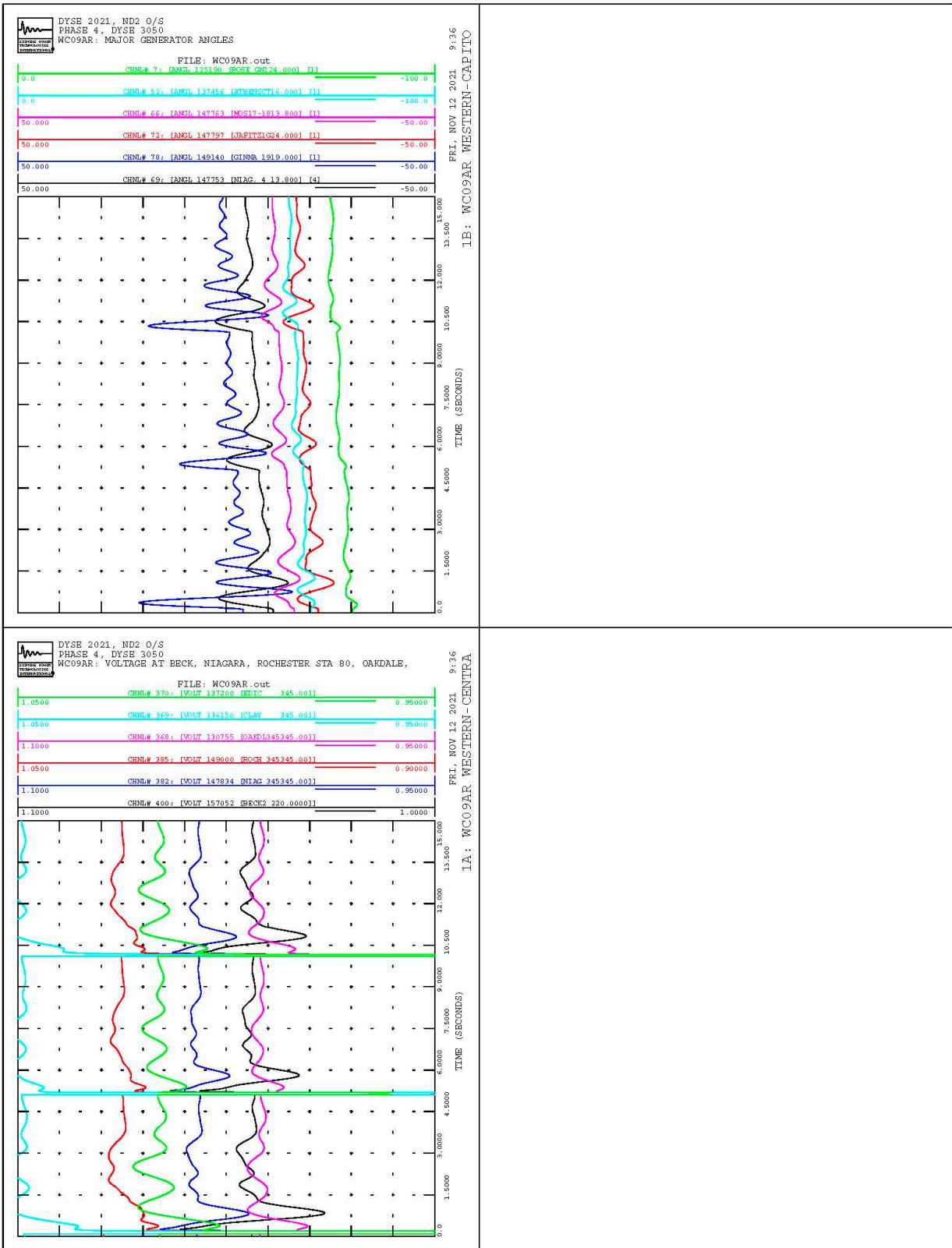
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3051.9	-276.4	DYSE-CLOSE	5406.9	-616.0
WEST-CENTRAL	1653.8	-221.6	WESTC-CLOSE	4086.8	-296.7
VOLNEY-EAST	4137.4	267.5	VOLNEY-CLOSE	5953.3	206.8
MOSES-SOUTH	2482.4	-94.4	MOSES-CLOSE	2004.7	143.5
CENTRAL-EAST	2908.8	-790.8	TOTAL-EAST	6876.0	-1516.4
UPNY-SENY	6553.4	-3.0	UPNY-SENY-CL	7856.3	36.8
UPNY-CONED	6664.6	217.4	UPNY-CON-CL	8388.7	80.1
MILLWOOD-SO	7780.1	-412.5	LIPA-IMPORT	2006.3	15.3
DNWDIE-SO-PL	4641.3	-947.8	DNWDIE-SO-PC	6365.4	-1085.1
DNWDIE-SO-OP	3725.9	-709.0	ABC-JK-PAR	-22.7	403.9
SENY-115kV	340.6	-77.1	SENY-F-To-G	3905.7	257.3
PJM-NY	1558.7	-88.6	NE-NY-WCSC	312.4	30.9
ON-NY	3943.0	169.7	ONT-MICH-PAR	358.6	-1.3
CONED-345	2315.3	-869.7	CONED-138	1111.7	-160.1
Y49-Y50	1214.2	82.0	138-POCKET	1955.5	185.5
AST-POCKET	1357.7	102.7	GRNWD-POCKET	806.4	137.4
STAT-POCKET	310.2	-12.8	E13-POCKET	310.6	-9.1
W49-POCKET	1356.6	-462.7	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	-0.1	-29.1	UPNY-SENY-M	5276.6	71.3
EAST-HOLBRK	576.8	-88.5	NEWBRIDGE-E	-222.8	-119.6
AR-3-BULK-T	1496.8	356.9	AR-4-BULK-T	-703.0	236.7
AR-5-BULK-T	2826.9	355.0	AR-6-BULK-T	1125.8	29.8
AR-7-BULK-T	1553.5	312.2	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6723.8	1311.9	DNWDIE-SO-OC	4359.3	-871.6
I-TO-J	3427.1	-1029.8	CE+FRAS-GILB	3538.5	-985.9
CE-GROUP	5612.5	-1391.7	HUDSONVALLEY	17859.2	-733.5
SENY-E-TO-G	2107.3	-419.1	UPNY-SENY-MC	6132.1	174.1
NORTH-CTY-EXPORT	285.6	18.4	NORTHERN EXPORT	700.3	-44.3
WESTERN EXPORT	1961.6	157.1			





Angle and Voltage Response for Contingency

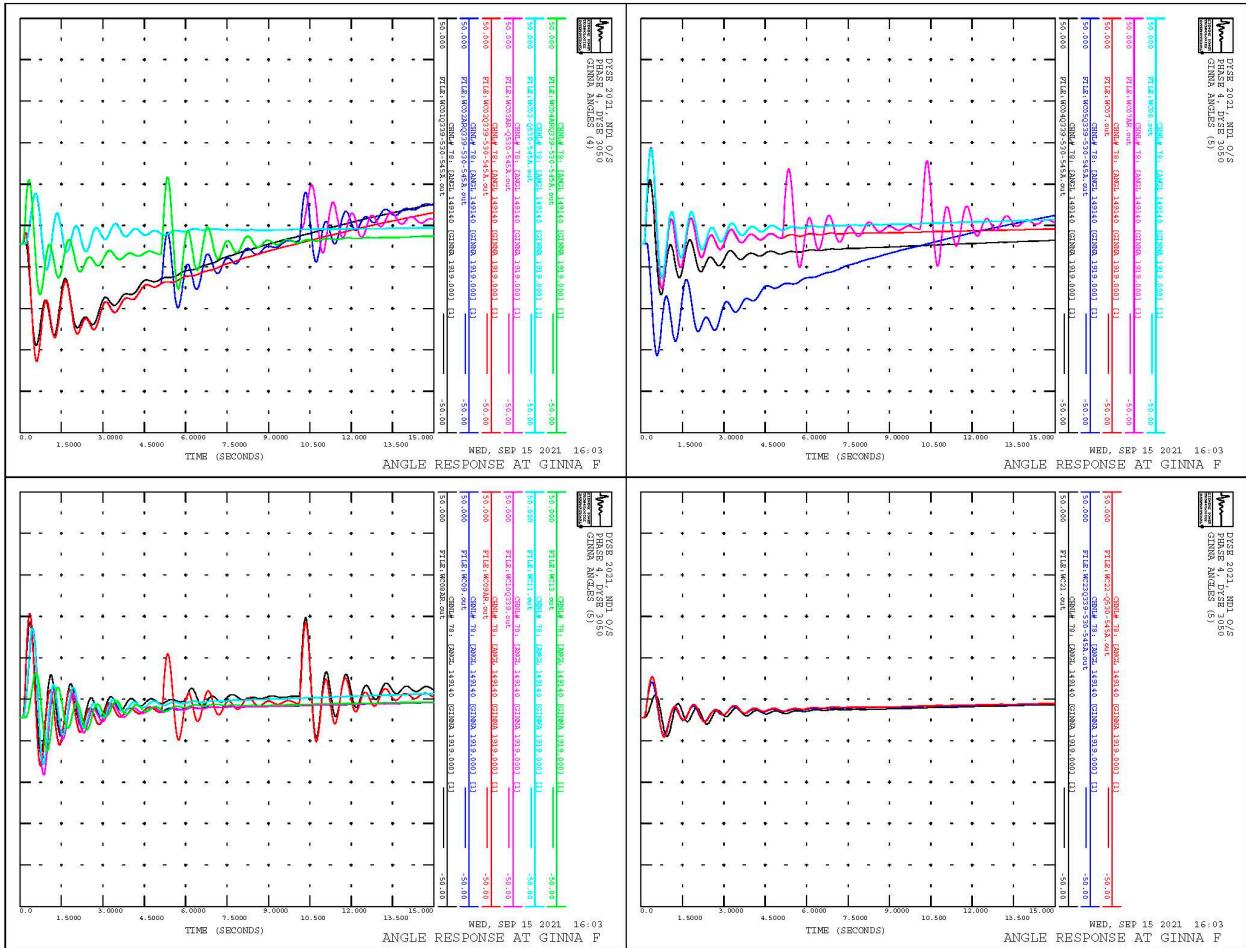


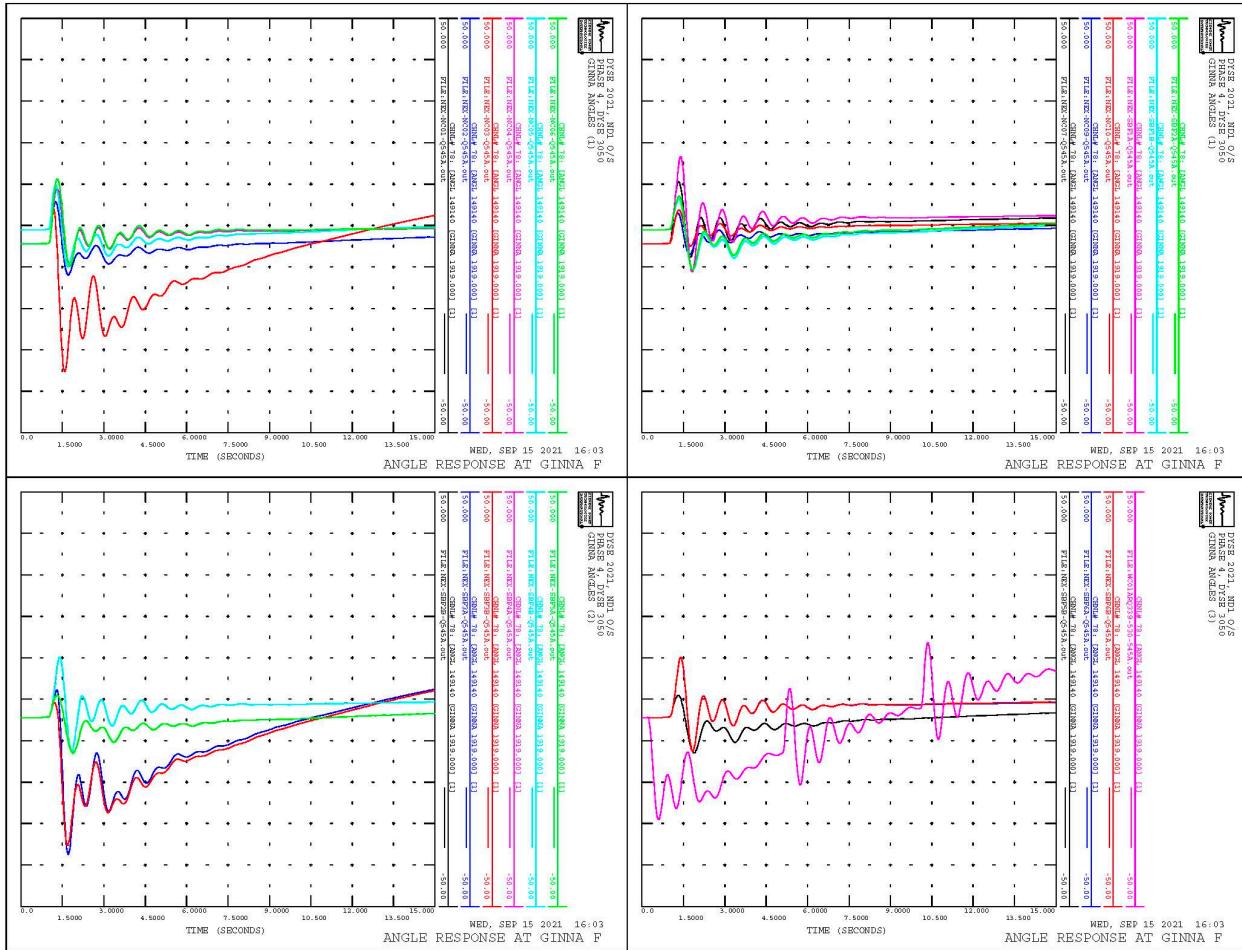
ND1 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, ND1 O/S
PHASE 4, DYSE 3050

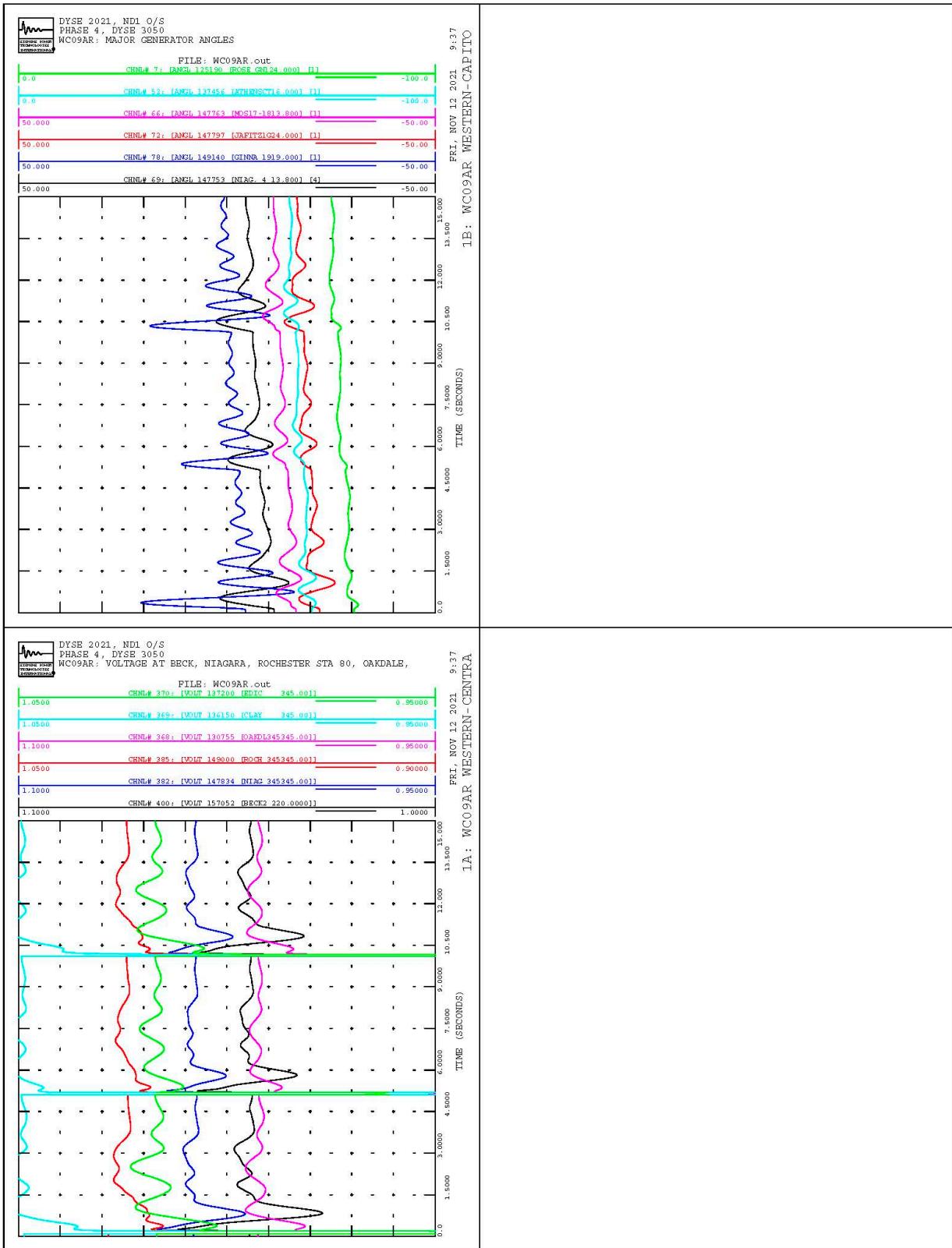
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3052.1	-283.3	DYSE-CLOSE	5410.2	-627.4
WEST-CENTRAL	1652.4	-228.6	WESTC-CLOSE	4088.5	-308.2
VOLNEY-EAST	4137.9	261.4	VOLNEY-CLOSE	5954.2	199.8
MOSES-SOUTH	2482.4	-96.8	MOSES-CLOSE	2004.7	141.3
CENTRAL-EAST	2907.8	-790.1	TOTAL-EAST	6876.2	-1511.8
UPNY-SENY	6553.1	0.3	UPNY-SENY-CL	7856.2	39.6
UPNY-CONED	6664.4	217.8	UPNY-CON-CL	8388.6	80.4
MILLWOOD-SO	7779.9	-411.8	LIPA-IMPORT	2006.3	15.4
DNWDIE-SO-PL	4641.1	-946.9	DNWDIE-SO-PC	6365.3	-1084.2
DNWDIE-SO-OP	3725.7	-708.1	ABC-JK-PAR	-22.4	403.4
SENY-115kV	340.4	-77.0	SENY-F-To-G	3905.3	258.2
PJM-NY	1558.4	-94.1	NE-NY-WCSC	312.4	30.1
ON-NY	3947.6	151.9	ONT-MICH-PAR	354.0	-0.8
CONED-345	2315.1	-869.0	CONED-138	1111.8	-160.0
Y49-Y50	1214.2	82.2	138-POCKET	1955.5	185.7
AST-POCKET	1357.4	102.9	GRNWD-POCKET	806.4	137.5
STAT-POCKET	310.2	-12.8	E13-POCKET	310.6	-9.1
W49-POCKET	1356.6	-462.5	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	-0.1	-29.1	UPNY-SENY-M	5276.2	73.3
EAST-HOLBRK	576.8	-88.5	NEWBRIDGE-E	-222.8	-119.5
AR-3-BULK-T	1497.9	358.5	AR-4-BULK-T	-703.2	237.5
AR-5-BULK-T	2827.2	351.5	AR-6-BULK-T	1125.4	30.0
AR-7-BULK-T	1553.6	312.8	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6724.8	1311.6	DNWDIE-SO-OC	4359.2	-870.8
I-TO-J	3426.9	-1029.0	CE+FRAS-GILB	3537.9	-983.6
CE-GROUP	5612.5	-1386.6	HUDSONVALLEY	17858.5	-728.8
SENY-E-TO-G	2108.0	-416.3	UPNY-SENY-MC	6132.0	177.0
NORTH-CTY-EXPORT	285.6	18.1	NORTHERN EXPORT	700.3	-44.4
WESTERN EXPORT	1961.9	149.1			





Angle and Voltage Response for Contingency



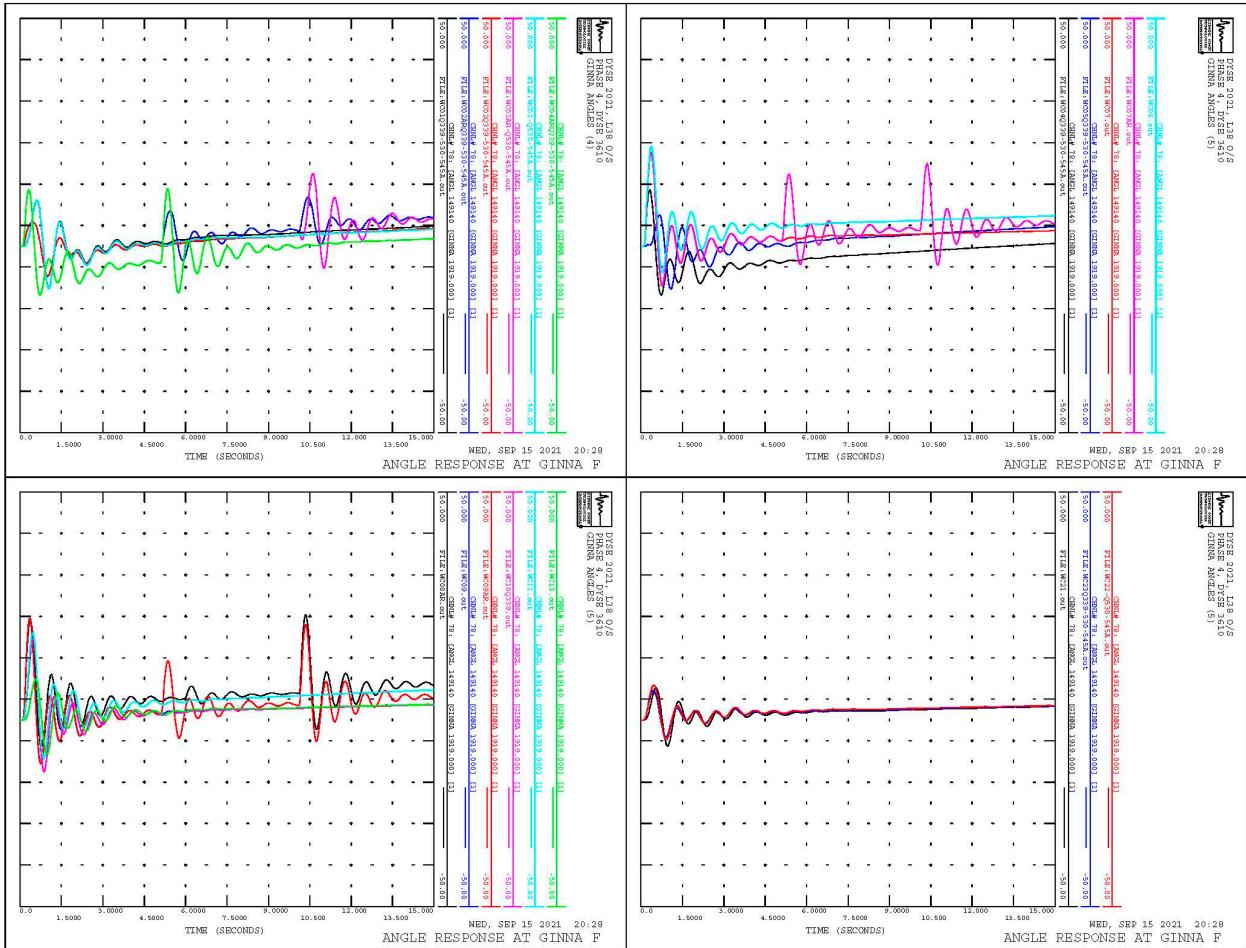
L38 Out-of-Service

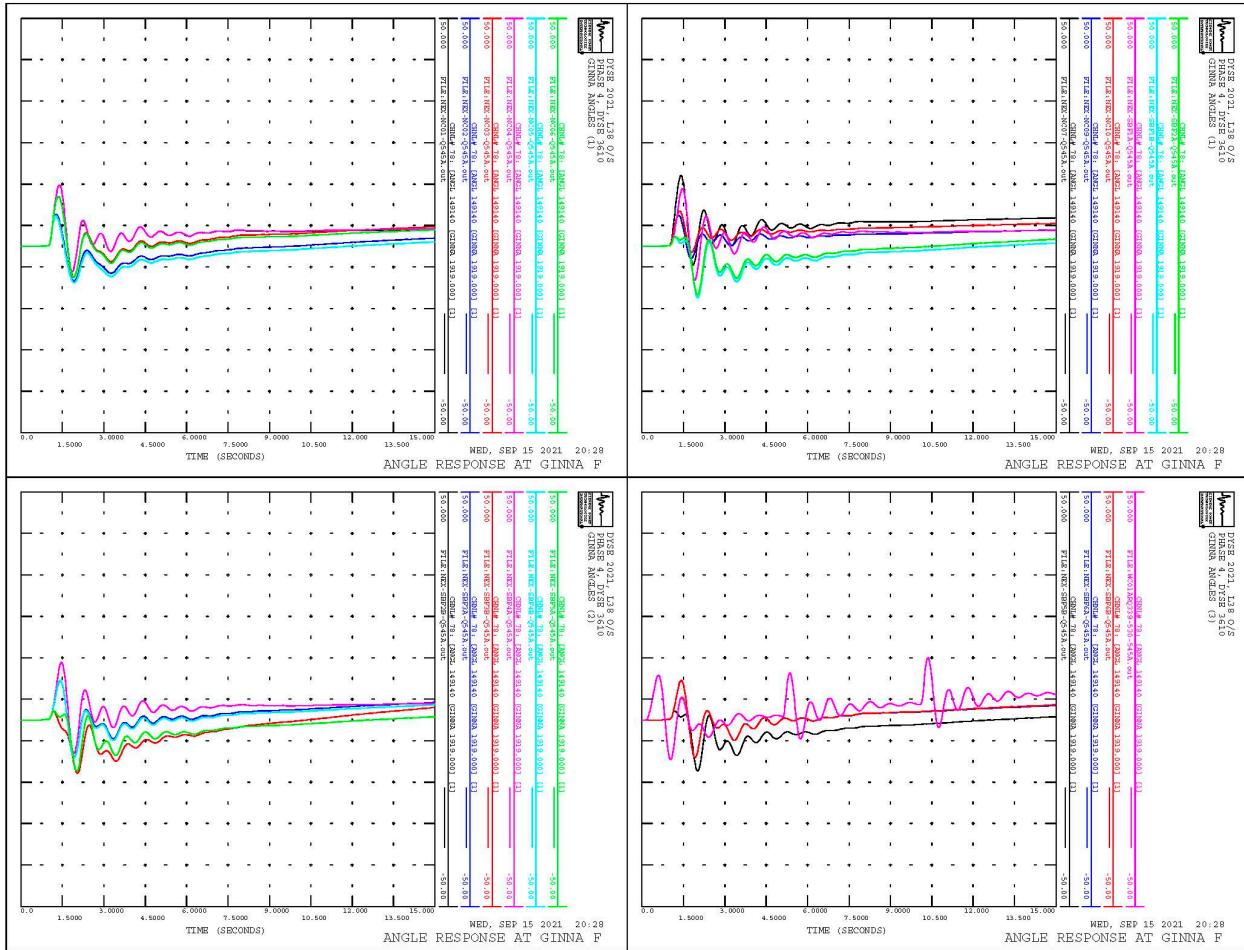
Interface Flow Report

CASE :DYSE 2021, L38 O/S
PHASE 4, DYSE 3610

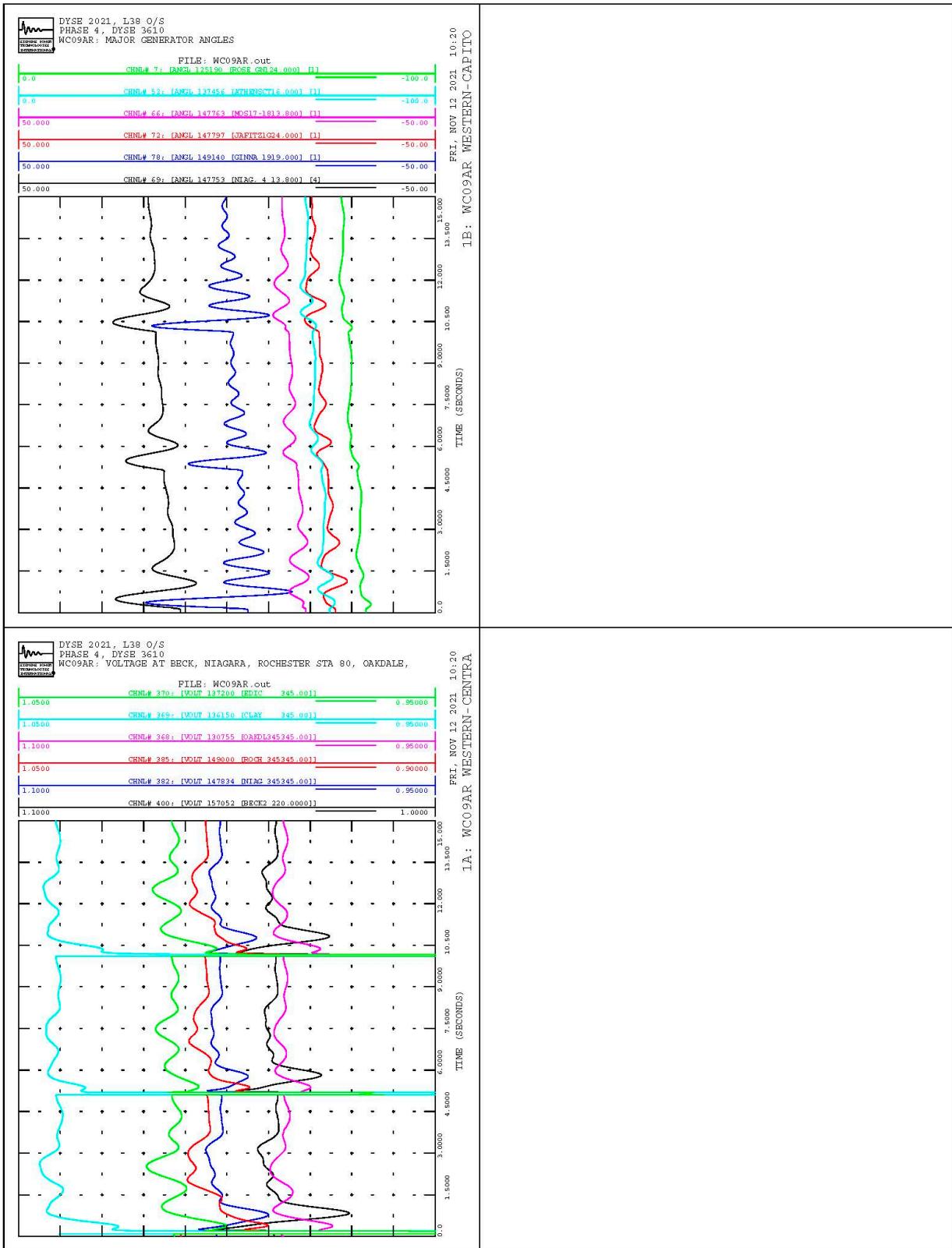
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3618.7	19.2	DYSE-CLOSE	6058.5	-327.5
WEST-CENTRAL	2175.7	-446.0	WESTC-CLOSE	4685.5	-528.4
VOLNEY-EAST	4109.5	209.6	VOLNEY-CLOSE	5955.3	129.1
MOSES-SOUTH	2511.3	-82.3	MOSES-CLOSE	2004.7	174.6
CENTRAL-EAST	2902.4	-816.7	TOTAL-EAST	6875.9	-1570.7
UPNY-SENY	6552.5	-13.2	UPNY-SENY-CL	7856.0	27.0
UPNY-CONED	6664.2	210.2	UPNY-CON-CL	8388.4	71.8
MILLWOOD-SO	7779.8	-420.9	LIPA-IMPORT	2006.3	6.6
DNWDIE-SO-PL	4640.8	-955.0	DNWDIE-SO-PC	6365.1	-1093.5
DNWDIE-SO-OP	3725.5	-706.6	ABC-JK-PAR	-22.1	403.6
SENY-115kV	341.3	-75.1	SENY-F-To-G	3906.9	260.1
PJM-NY	1569.4	-58.3	NE-NY-WCSC	312.4	28.2
ON-NY	3985.0	213.8	ONT-MICH-PAR	366.9	-29.0
CONED-345	2315.1	-867.2	CONED-138	1111.6	-159.1
Y49-Y50	1214.1	71.3	138-POCKET	1955.2	186.1
AST-POCKET	1357.2	104.8	GRNWD-POCKET	806.4	137.5
STAT-POCKET	310.2	-12.9	E13-POCKET	310.6	-9.0
W49-POCKET	1356.7	-462.3	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.2
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	5276.4	69.2
EAST-HOLBRK	576.8	-87.7	NEWBRIDGE-E	-223.0	-123.3
AR-3-BULK-T	1408.5	353.7	AR-4-BULK-T	-721.2	228.2
AR-5-BULK-T	2840.3	340.4	AR-6-BULK-T	1125.4	16.6
AR-7-BULK-T	1552.9	311.5	AR-8-BULK-T	423.7	21.1
AR-3-TO-8-T	6629.6	1271.5	DNWDIE-SO-OC	4359.1	-871.2
I-TO-J	3426.7	-1026.4	CE+FRAS-GILB	3539.5	-1027.1
CE-GROUP	5611.0	-1446.5	HUDSONVALLEY	17857.5	-758.0
SENY-E-TO-G	2105.2	-431.7	UPNY-SENY-MC	6131.7	165.5
NORTH-CTY-EXPORT	285.6	23.8	NORTHERN EXPORT	700.4	-25.1
WESTERN EXPORT	1864.9	240.7			





Angle and Voltage Response for Contingency



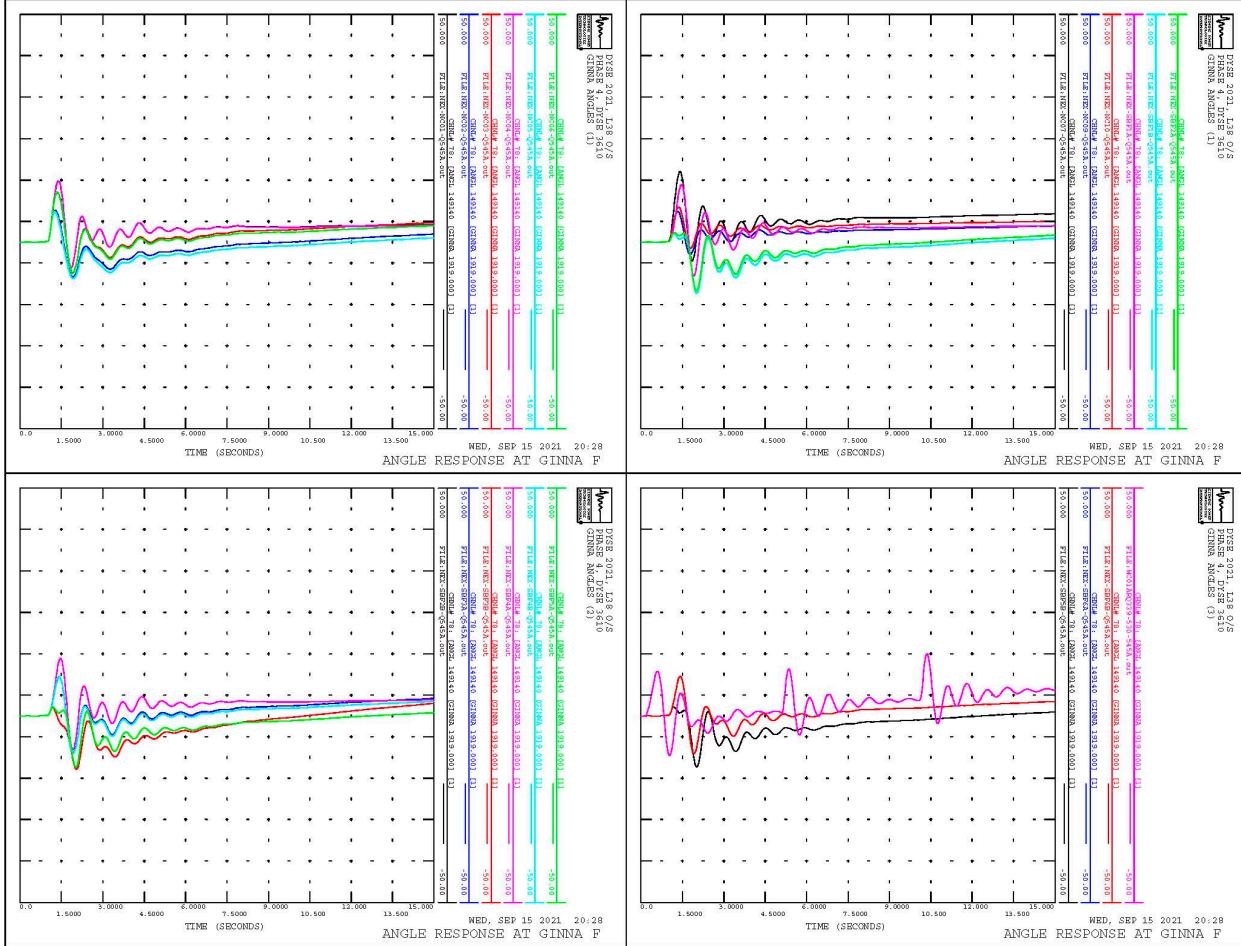
L39 Out-of-Service

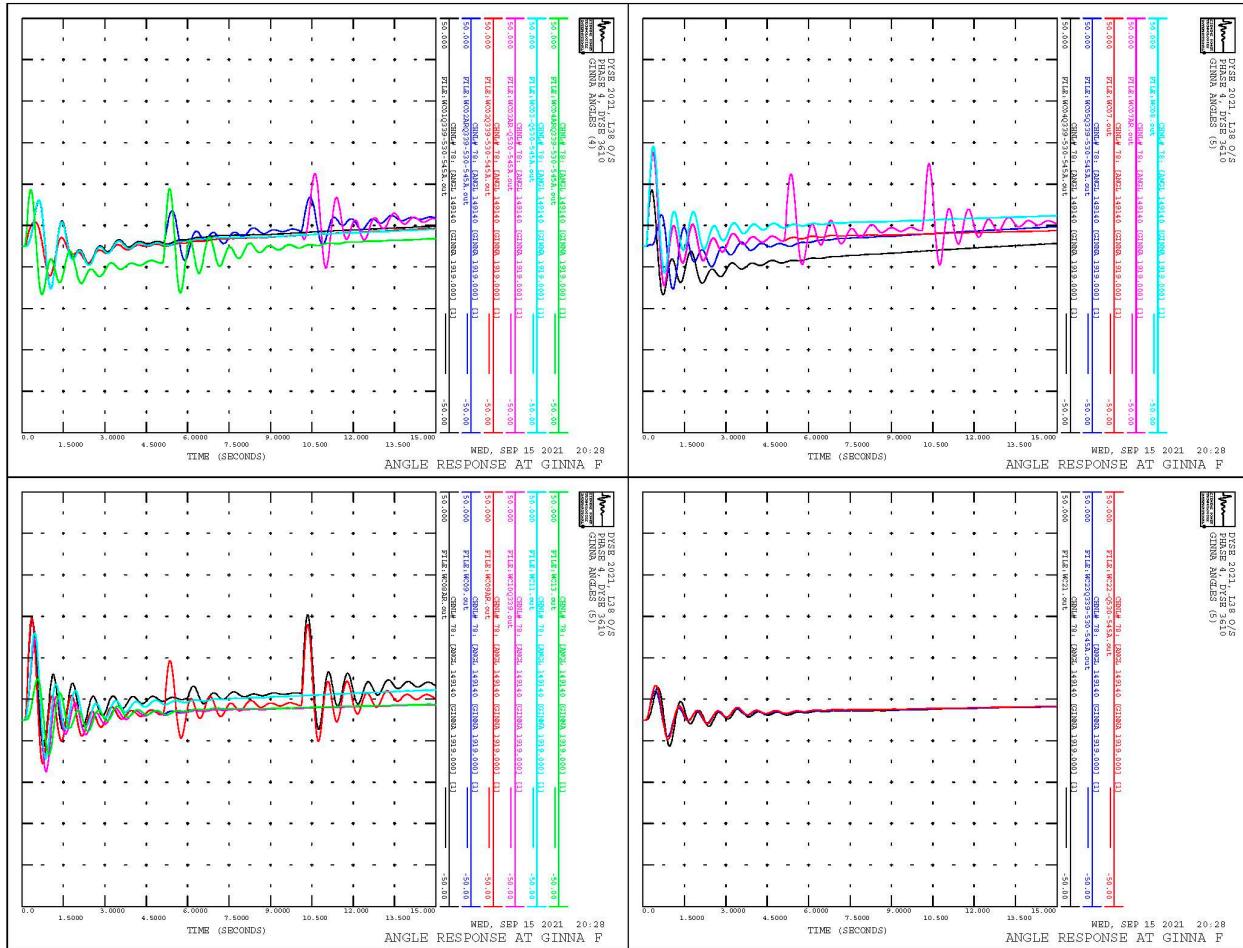
Interface Flow Report

CASE :DYSE 2021, L39 O/S
PHASE 4, DYSE 3610

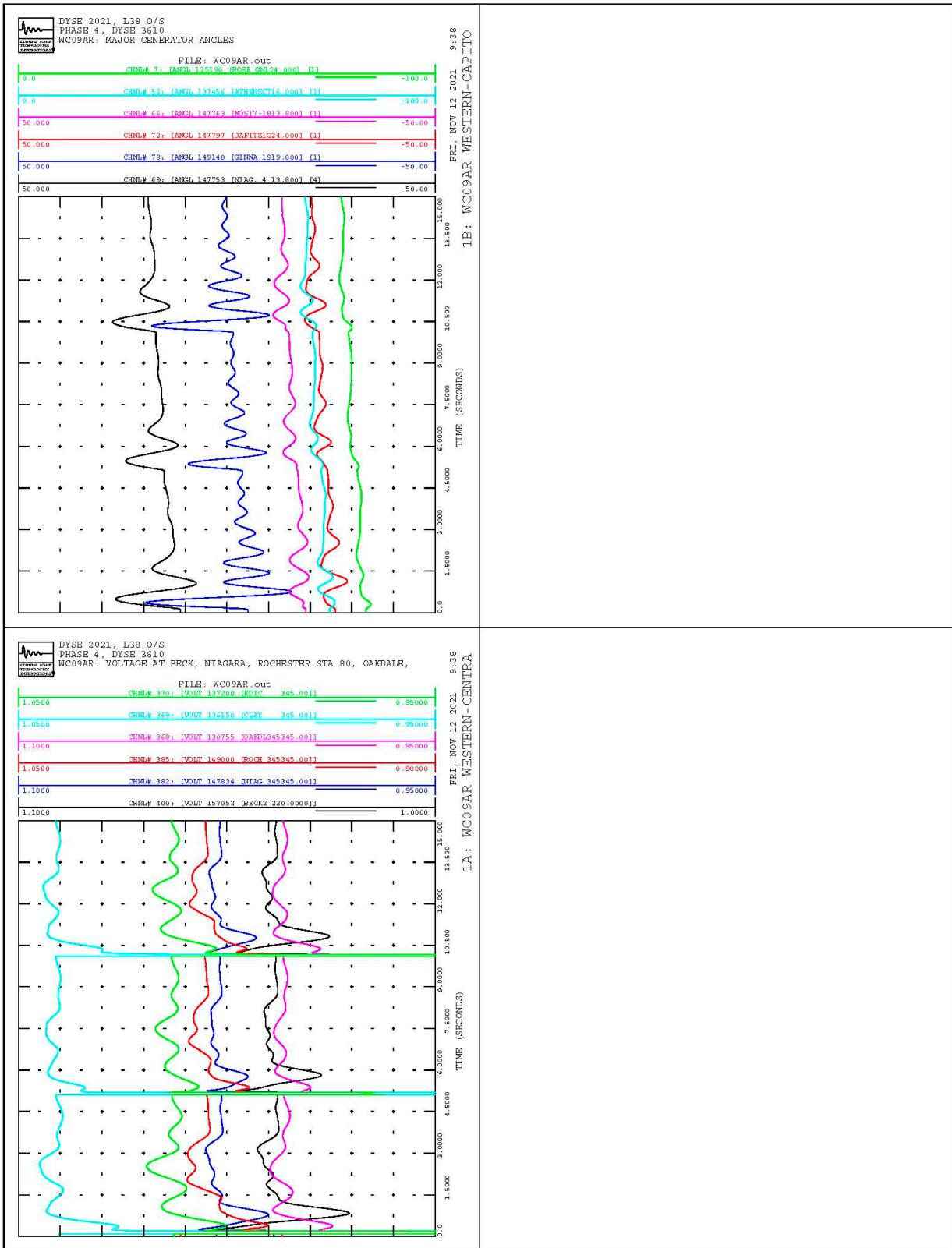
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3618.8	19.3	DYSE-CLOSE	6058.5	-327.5
WEST-CENTRAL	2175.8	-445.7	WESTC-CLOSE	4685.5	-528.2
VOLNEY-EAST	4109.5	209.7	VOLNEY-CLOSE	5955.3	129.2
MOSES-SOUTH	2511.2	-82.4	MOSES-CLOSE	2004.7	174.5
CENTRAL-EAST	2902.4	-816.7	TOTAL-EAST	6875.9	-1570.5
UPNY-SENY	6552.5	-13.1	UPNY-SENY-CL	7856.0	27.1
UPNY-CONED	6664.1	210.2	UPNY-CON-CL	8388.4	71.8
MILLWOOD-SO	7779.8	-420.8	LIPA-IMPORT	2006.3	6.7
DNWDIE-SO-PL	4640.8	-955.0	DNWDIE-SO-PC	6365.1	-1093.4
DNWDIE-SO-OP	3725.4	-706.6	ABC-JK-PAR	-22.1	403.6
SENY-115kV	341.3	-75.1	SENY-F-To-G	3906.9	260.2
PJM-NY	1569.3	-58.5	NE-NY-WCSC	312.4	28.2
ON-NY	3985.1	213.5	ONT-MICH-PAR	366.8	-28.9
CONED-345	2315.0	-867.2	CONED-138	1111.7	-159.1
Y49-Y50	1214.1	71.3	138-POCKET	1955.4	186.1
AST-POCKET	1357.2	104.9	GRNWD-POCKET	806.4	137.5
STAT-POCKET	310.2	-12.8	E13-POCKET	310.6	-9.0
W49-POCKET	1356.7	-462.3	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.2
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	5276.3	69.2
EAST-HOLBRK	576.8	-87.7	NEWBRIDGE-E	-223.0	-123.3
AR-3-BULK-T	1408.5	353.4	AR-4-BULK-T	-721.1	228.2
AR-5-BULK-T	2840.2	340.4	AR-6-BULK-T	1125.4	16.6
AR-7-BULK-T	1552.9	311.5	AR-8-BULK-T	423.7	21.1
AR-3-TO-8-T	6629.5	1271.4	DNWDIE-SO-OC	4359.0	-871.2
I-TO-J	3426.7	-1026.3	CE+FRAS-GILB	3539.5	-1027.0
CE-GROUP	5611.0	-1446.4	HUDSONVALLEY	17857.4	-757.9
SENY-E-TO-G	2105.2	-431.7	UPNY-SENY-MC	6131.6	165.5
NORTH-CTY-EXPORT	285.6	23.8	NORTHERN EXPORT	700.4	-25.1
WESTERN EXPORT	1864.8	240.5			





Angle and Voltage Response for Contingency



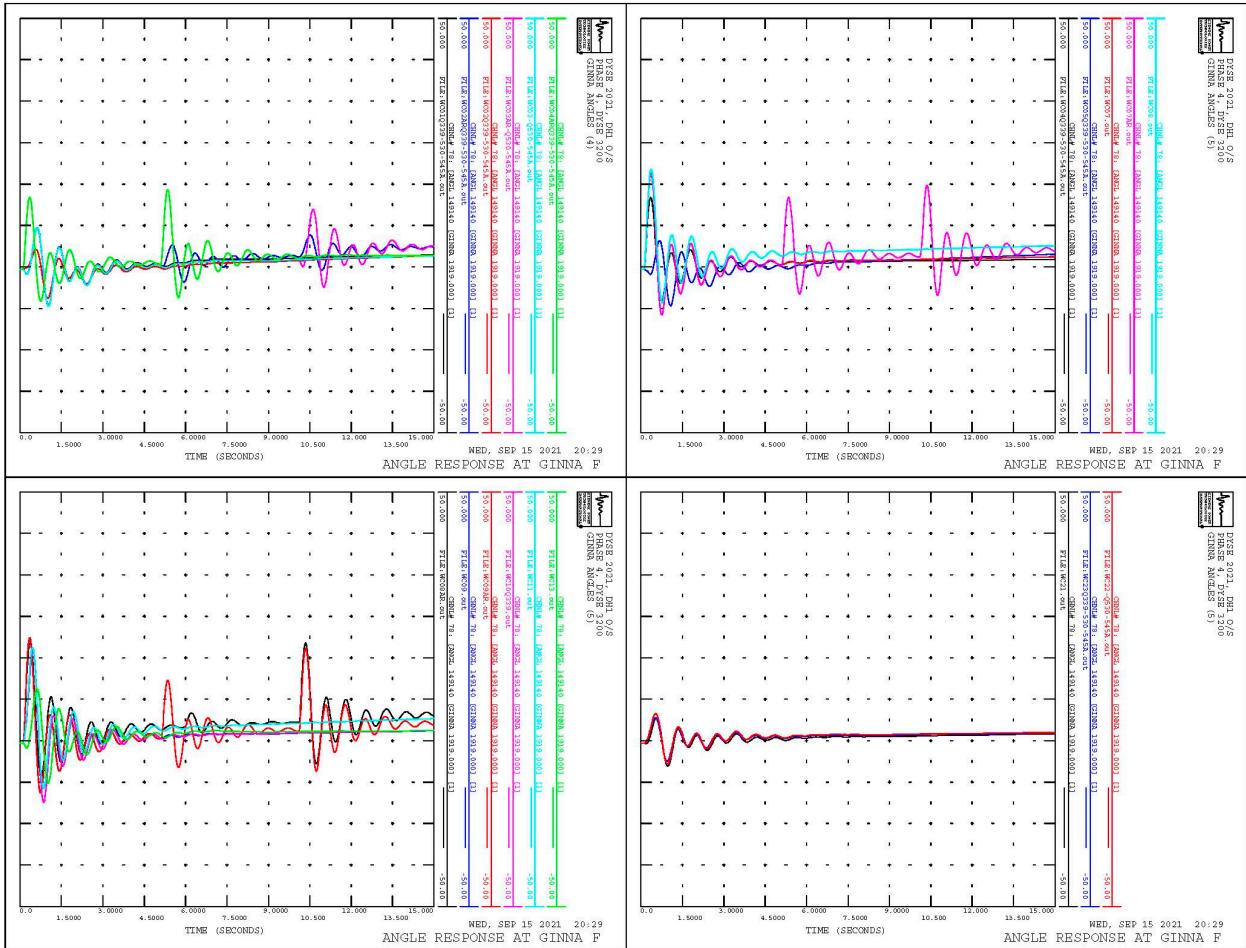
DH1 Out-of-Service

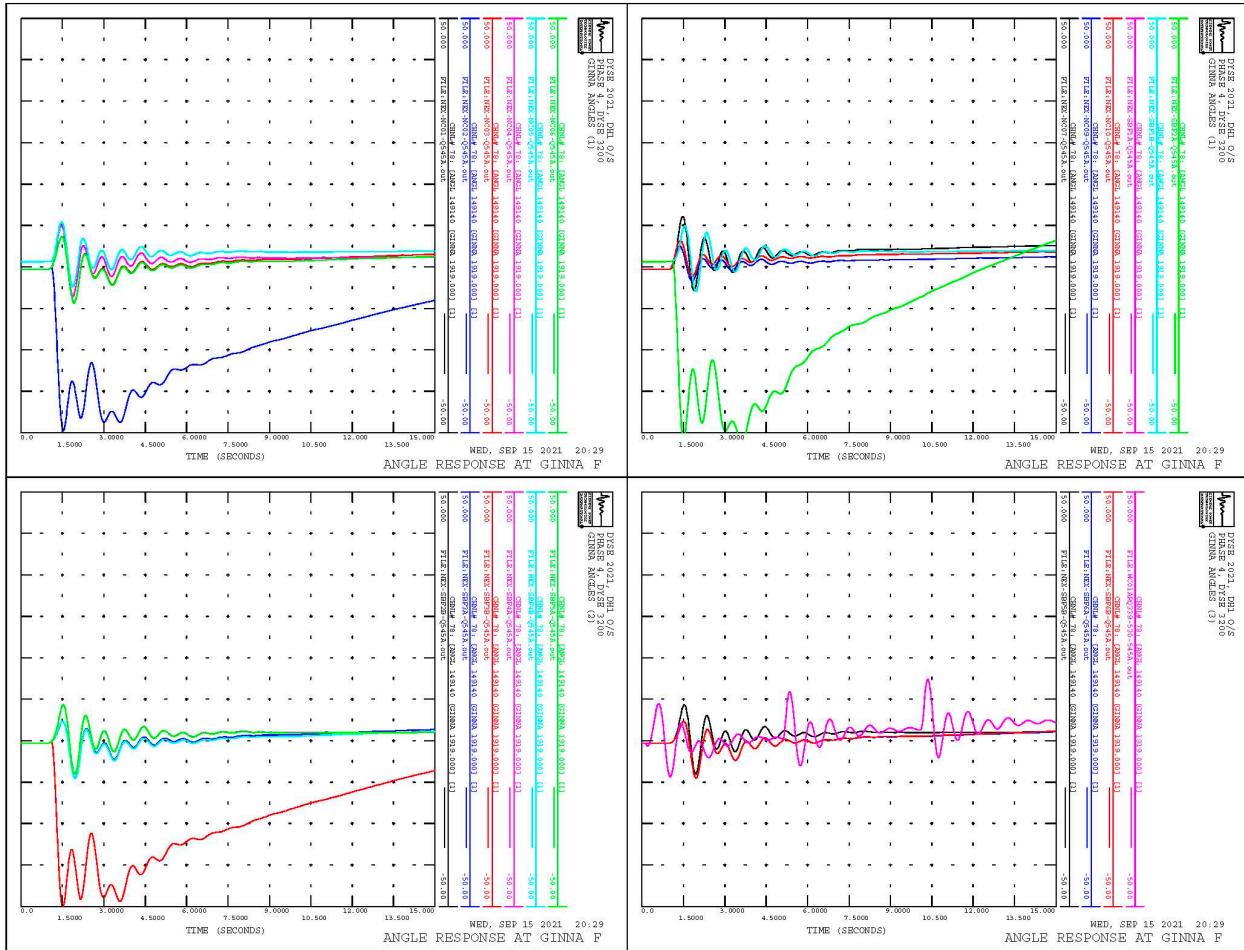
Interface Flow Report

CASE :DYSE 2021, DH1 O/S
PHASE 4, DYSE 3200

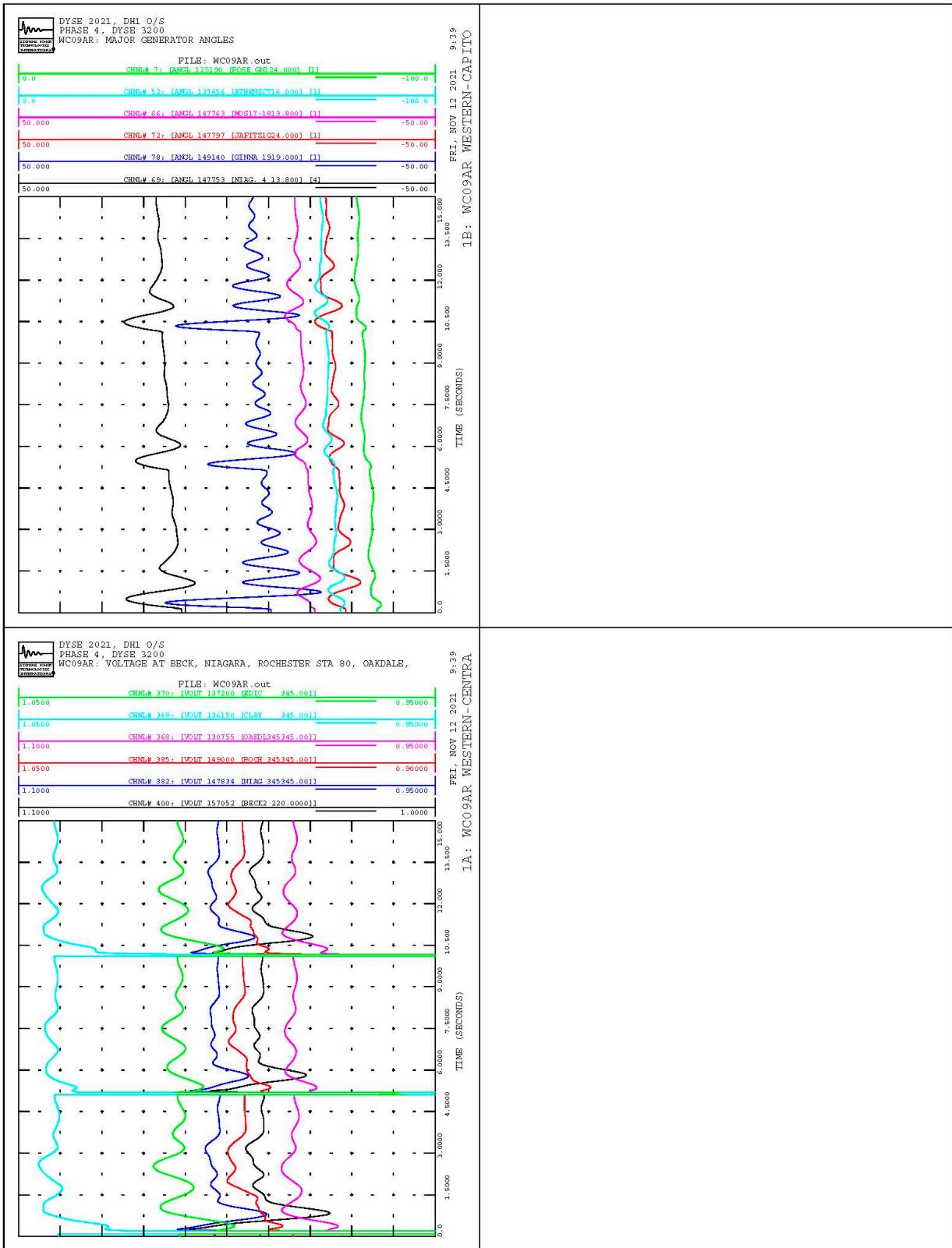
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3204.5	226.0	DYSE-CLOSE	5762.5	-152.6
WEST-CENTRAL	1801.7	-400.2	WESTC-CLOSE	4389.7	-514.6
VOLNEY-EAST	4082.9	215.7	VOLNEY-CLOSE	5959.3	111.3
MOSES-SOUTH	2543.4	-77.6	MOSES-CLOSE	2004.6	202.4
CENTRAL-EAST	2903.3	-821.1	TOTAL-EAST	6881.0	-1586.9
UPNY-SENY	6553.6	-19.8	UPNY-SENY-CL	7856.0	20.4
UPNY-CONED	6664.4	209.3	UPNY-CON-CL	8388.4	69.8
MILLWOOD-SO	7779.7	-423.8	LIPA-IMPORT	2006.3	6.2
DNWDIE-SO-PL	4641.1	-957.3	DNWDIE-SO-PC	6365.1	-1096.9
DNWDIE-SO-OP	3725.7	-708.6	ABC-JK-PAR	-23.1	403.4
SENY-115kV	341.6	-75.3	SENY-F-To-G	3907.8	259.0
PJM-NY	1612.8	-51.3	NE-NY-WCSC	312.4	30.5
ON-NY	3945.8	220.3	ONT-MICH-PAR	406.4	-5.3
CONED-345	2315.2	-868.9	CONED-138	1111.7	-159.3
Y49-Y50	1214.2	70.8	138-POCKET	1955.4	185.5
AST-POCKET	1357.0	104.4	GRNWD-POCKET	806.4	137.4
STAT-POCKET	310.2	-13.0	E13-POCKET	311.2	-8.9
W49-POCKET	1357.1	-462.6	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	-0.1	-29.7	UPNY-SENY-M	5277.5	67.1
EAST-HOLBRK	576.8	-87.6	NEWBRIDGE-E	-223.0	-123.6
AR-3-BULK-T	1447.4	331.1	AR-4-BULK-T	-744.4	226.7
AR-5-BULK-T	2857.2	320.5	AR-6-BULK-T	1125.4	14.6
AR-7-BULK-T	1552.5	315.1	AR-8-BULK-T	423.6	21.1
AR-3-TO-8-T	6661.7	1229.1	DNWDIE-SO-OC	4359.1	-874.3
I-TO-J	3426.9	-1028.2	CE+FRAS-GILB	3546.0	-1036.8
CE-GROUP	5617.7	-1461.8	HUDSONVALLEY	17859.1	-767.8
SENY-E-TO-G	2105.4	-437.6	UPNY-SENY-MC	6132.0	160.0
NORTH-CTY-EXPORT	285.6	28.6	NORTHERN EXPORT	700.6	-5.0
WESTERN EXPORT	2038.9	230.8			





Angle and Voltage Response for Contingency

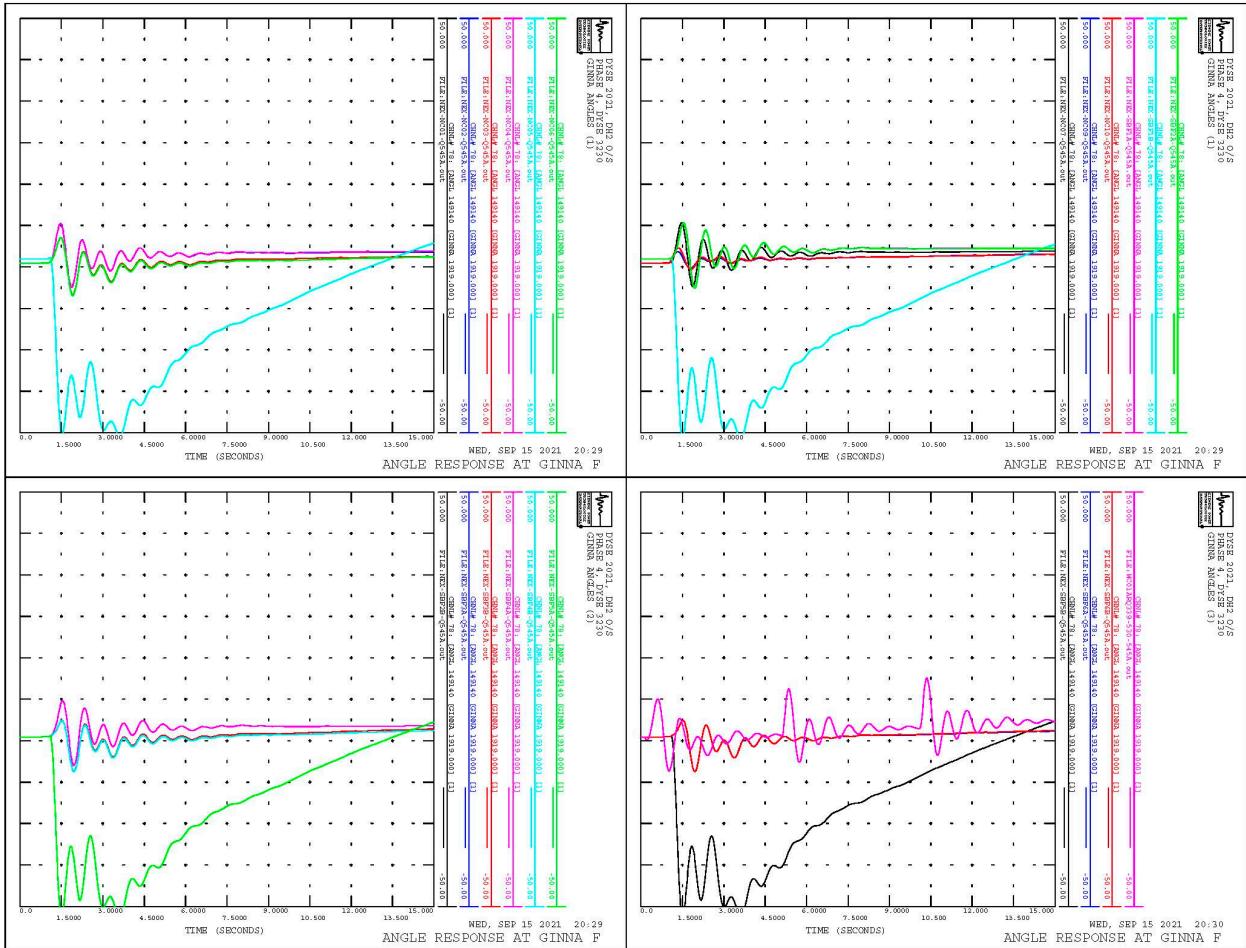


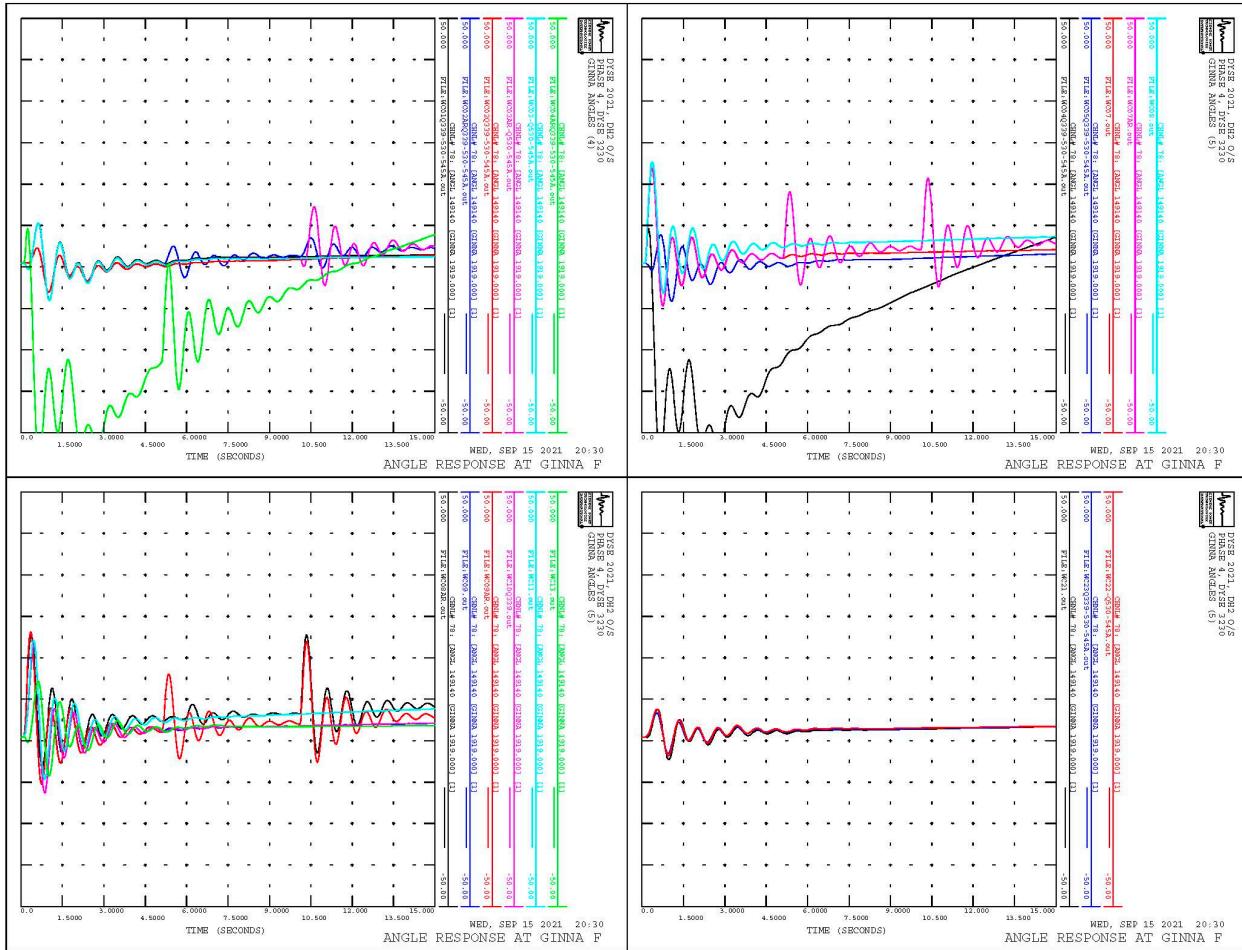
DH2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, DH2 O/S
PHASE 4, DYSE 3200

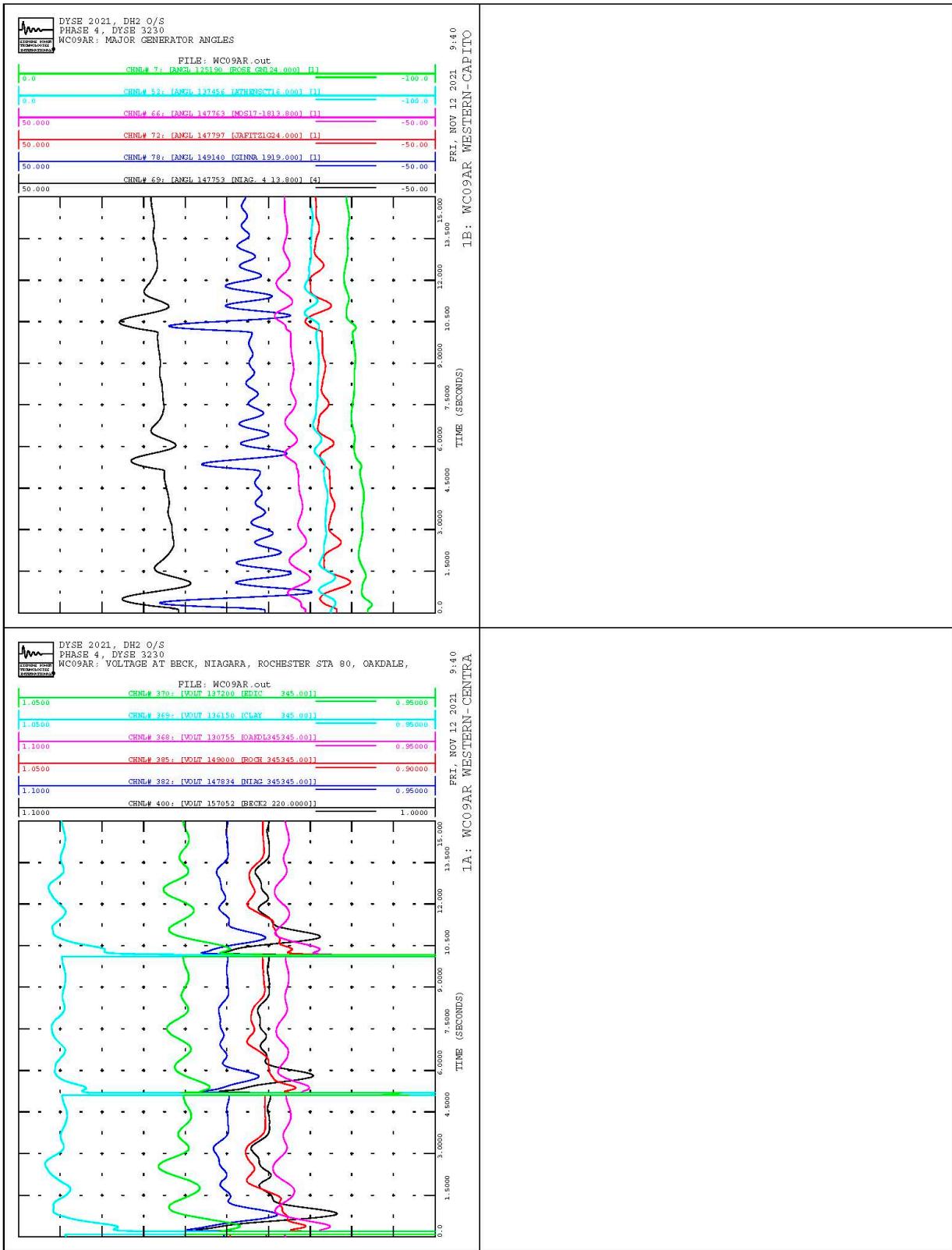
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3204.5	226.0	DYSE-CLOSE	5762.5	-152.6
WEST-CENTRAL	1801.7	-400.2	WESTC-CLOSE	4389.7	-514.6
VOLNEY-EAST	4082.9	215.7	VOLNEY-CLOSE	5959.3	111.3
MOSES-SOUTH	2543.4	-77.6	MOSES-CLOSE	2004.6	202.4
CENTRAL-EAST	2903.3	-821.1	TOTAL-EAST	6881.0	-1586.9
UPNY-SENY	6553.6	-19.8	UPNY-SENY-CL	7856.0	20.4
UPNY-CONED	6664.4	209.3	UPNY-CON-CL	8388.4	69.8
MILLWOOD-SO	7779.7	-423.8	LIPA-IMPORT	2006.3	6.2
DNWDIE-SO-PL	4641.1	-957.3	DNWDIE-SO-PC	6365.1	-1096.9
DNWDIE-SO-OP	3725.7	-708.6	ABC-JK-PAR	-23.1	403.4
SENY-115kV	341.6	-75.3	SENY-F-To-G	3907.8	259.0
PJM-NY	1612.8	-51.3	NE-NY-WCSC	312.4	30.5
ON-NY	3945.8	220.3	ONT-MICH-PAR	406.4	-5.3
CONED-345	2315.2	-868.9	CONED-138	1111.7	-159.3
Y49-Y50	1214.2	70.8	138-POCKET	1955.4	185.5
AST-POCKET	1357.0	104.4	GRNWD-POCKET	806.4	137.4
STAT-POCKET	310.2	-13.0	E13-POCKET	311.2	-8.9
W49-POCKET	1357.1	-462.6	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	-0.1	-29.7	UPNY-SENY-M	5277.5	67.1
EAST-HOLBRK	576.8	-87.6	NEWBRIDGE-E	-223.0	-123.6
AR-3-BULK-T	1447.4	331.1	AR-4-BULK-T	-744.4	226.7
AR-5-BULK-T	2857.2	320.5	AR-6-BULK-T	1125.4	14.6
AR-7-BULK-T	1552.5	315.1	AR-8-BULK-T	423.6	21.1
AR-3-TO-8-T	6661.7	1229.1	DNWDIE-SO-OC	4359.1	-874.3
I-TO-J	3426.9	-1028.2	CE+FRAS-GILB	3546.0	-1036.8
CE-GROUP	5617.7	-1461.8	HUDSONVALLEY	17859.1	-767.8
SENY-E-TO-G	2105.4	-437.6	UPNY-SENY-MC	6132.0	160.0
NORTH-CTY-EXPORT	285.6	28.6	NORTHERN EXPORT	700.6	-5.0
WESTERN EXPORT	2038.9	230.8			





Angle and Voltage Response for Contingency



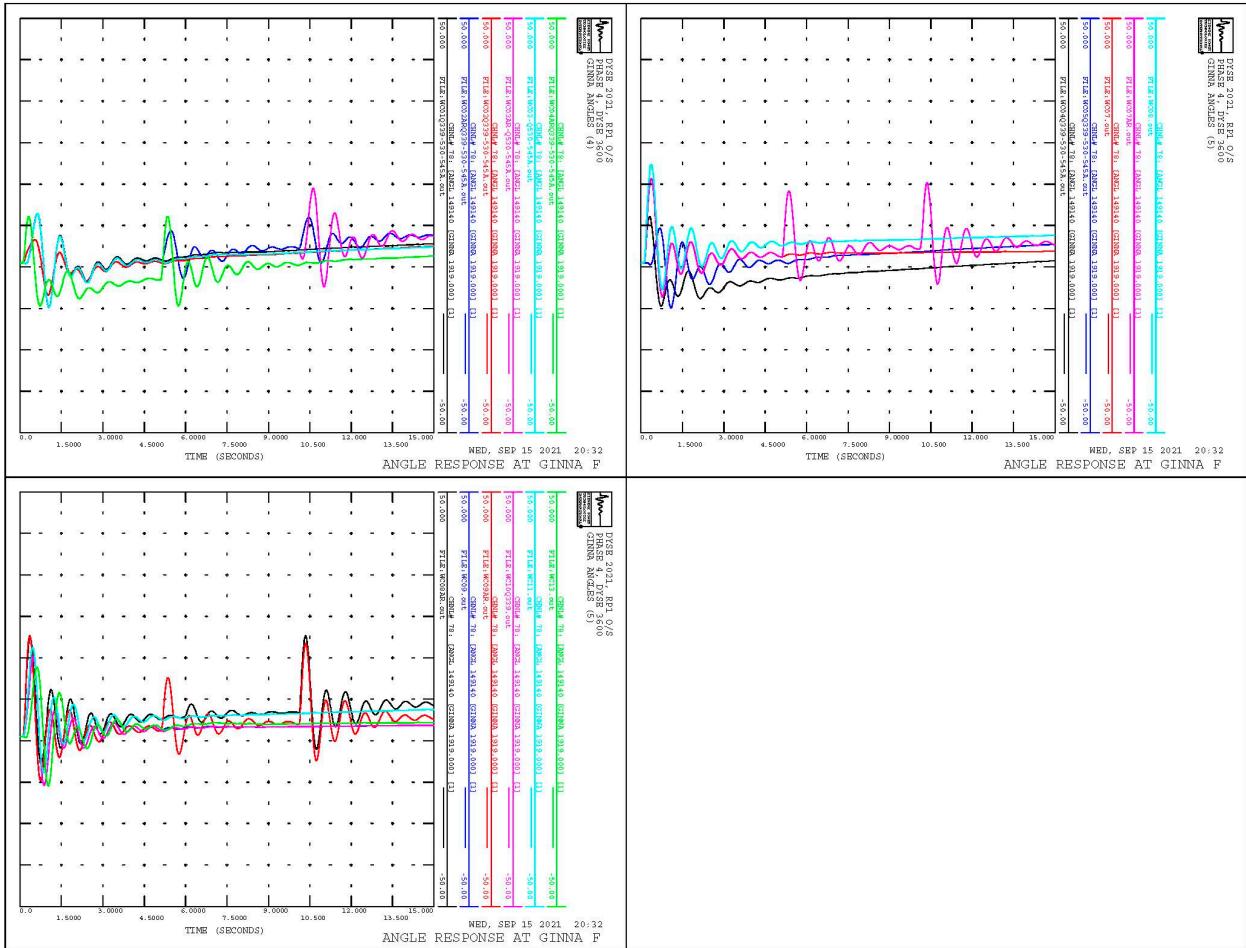
RP1 Out-of-Service

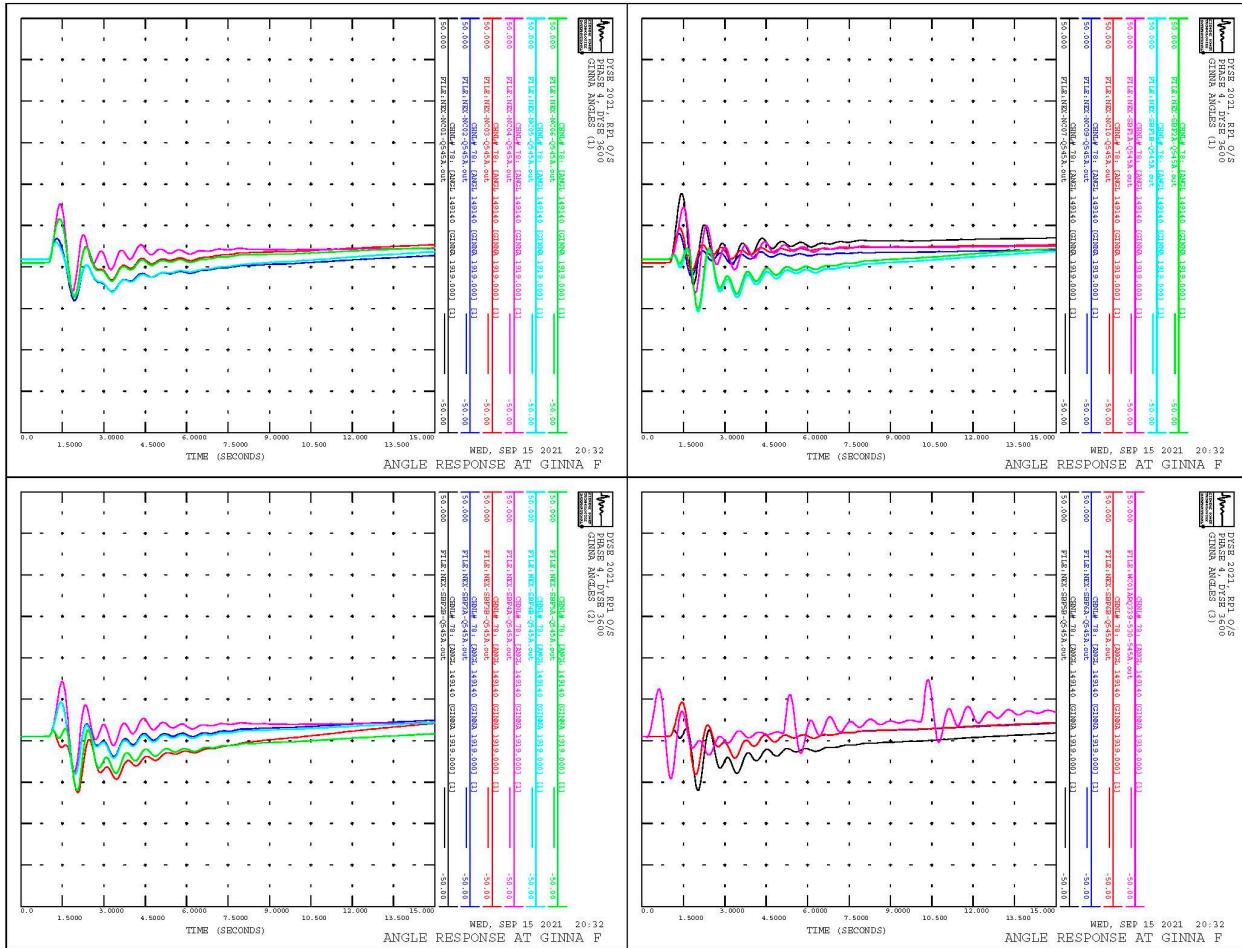
Interface Flow Report

CASE :DYSE 2021, RP1 O/S
PHASE 4, DYSE 3600

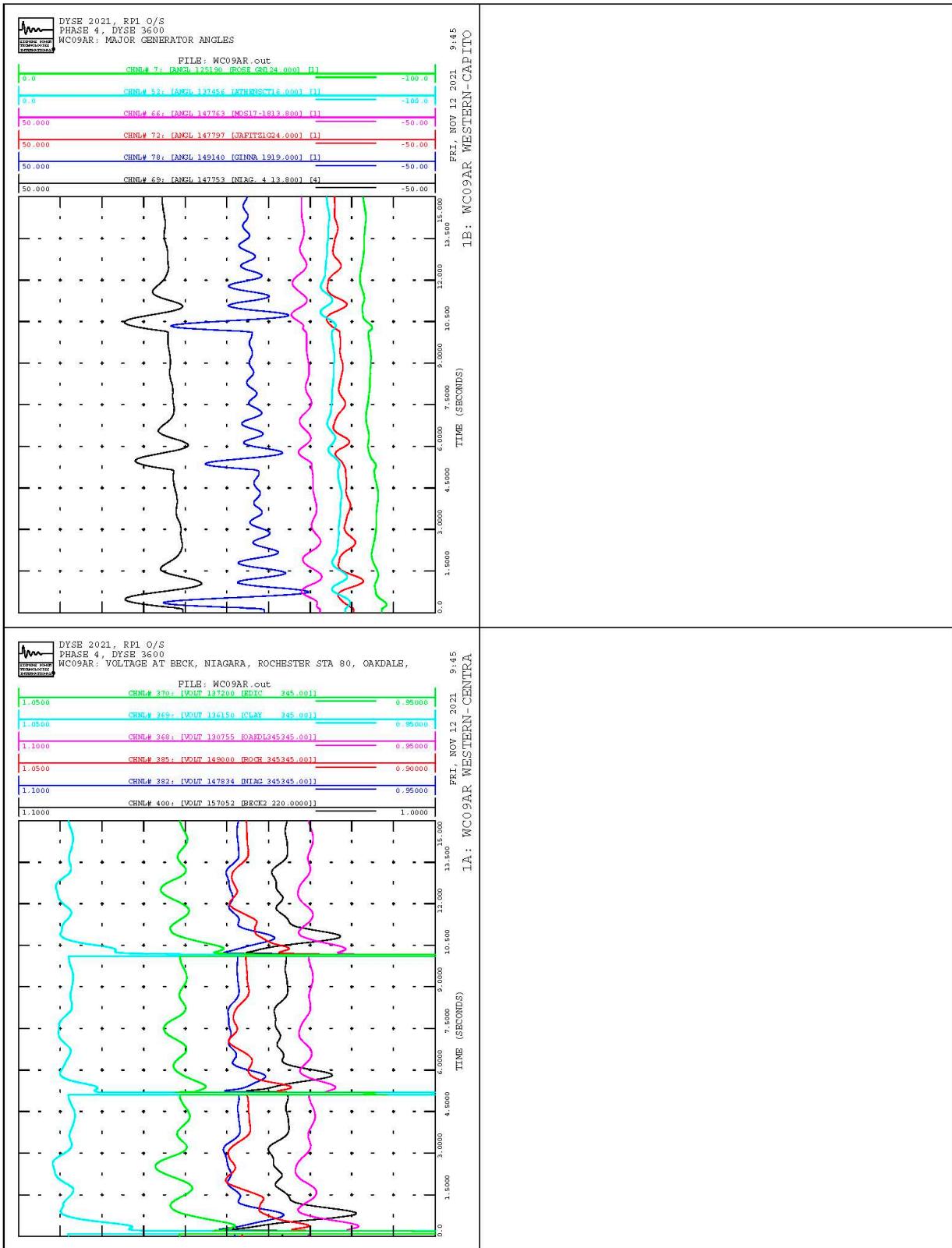
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3603.8	110.5	DYSE-CLOSE	6247.5	-271.5
WEST-CENTRAL	2174.4	-493.6	WESTC-CLOSE	4878.0	-611.5
VOLNEY-EAST	4074.5	169.1	VOLNEY-CLOSE	5953.2	62.9
MOSES-SOUTH	2544.6	-77.5	MOSES-CLOSE	2004.7	203.4
CENTRAL-EAST	2888.5	-816.3	TOTAL-EAST	6875.1	-1595.4
UPNY-SENY	6552.2	-23.6	UPNY-SENY-CL	7855.4	16.8
UPNY-CONED	6663.8	213.8	UPNY-CON-CL	8388.1	72.9
MILLWOOD-SO	7779.5	-421.3	LIPA-IMPORT	2006.3	14.0
DNWDIE-SO-PL	4640.8	-954.1	DNWDIE-SO-PC	6365.1	-1095.0
DNWDIE-SO-OP	3725.5	-714.0	ABC-JK-PAR	-22.4	403.9
SENY-115kV	341.1	-75.4	SENY-F-To-G	3906.8	260.0
PJM-NY	1742.5	-50.7	NE-NY-WCSC	312.4	31.9
ON-NY	3998.0	214.9	ONT-MICH-PAR	355.4	-2.3
CONED-345	2315.1	-874.7	CONED-138	1111.7	-159.9
Y49-Y50	1214.1	80.5	138-POCKET	1955.4	184.4
AST-POCKET	1357.8	103.6	GRNWD-POCKET	806.3	137.3
STAT-POCKET	310.2	-13.1	E13-POCKET	311.1	-9.4
W49-POCKET	1356.8	-463.7	EVIEW-POCKET	546.7	405.0
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.2	-66.9
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	5275.7	67.0
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.8	-120.5
AR-3-BULK-T	1335.4	342.7	AR-4-BULK-T	-744.4	227.2
AR-5-BULK-T	2853.2	326.7	AR-6-BULK-T	1123.5	15.8
AR-7-BULK-T	1552.9	314.8	AR-8-BULK-T	423.7	20.9
AR-3-TO-8-T	6544.2	1248.1	DNWDIE-SO-OC	4359.1	-880.5
I-TO-J	3426.7	-1034.6	CE+FRAS-GILB	3539.1	-1040.1
CE-GROUP	5610.7	-1469.3	HUDSONVALLEY	17856.9	-763.9
SENY-E-TO-G	2105.4	-442.0	UPNY-SENY-MC	6131.2	157.7
NORTH-CTY-EXPORT	285.6	28.9	NORTHERN EXPORT	700.7	-4.1
WESTERN EXPORT	1882.2	212.4			





Angle and Voltage Response for Contingency

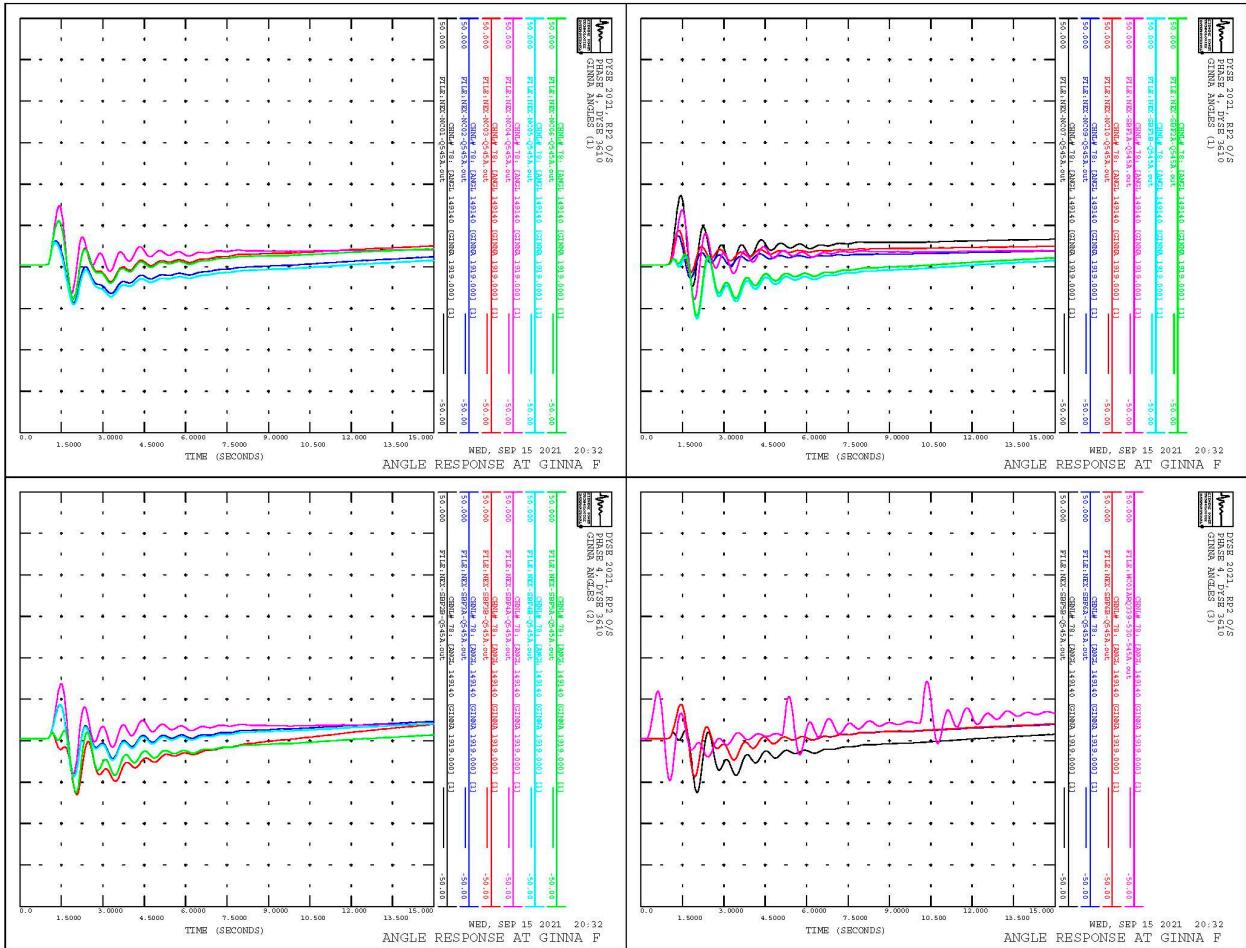


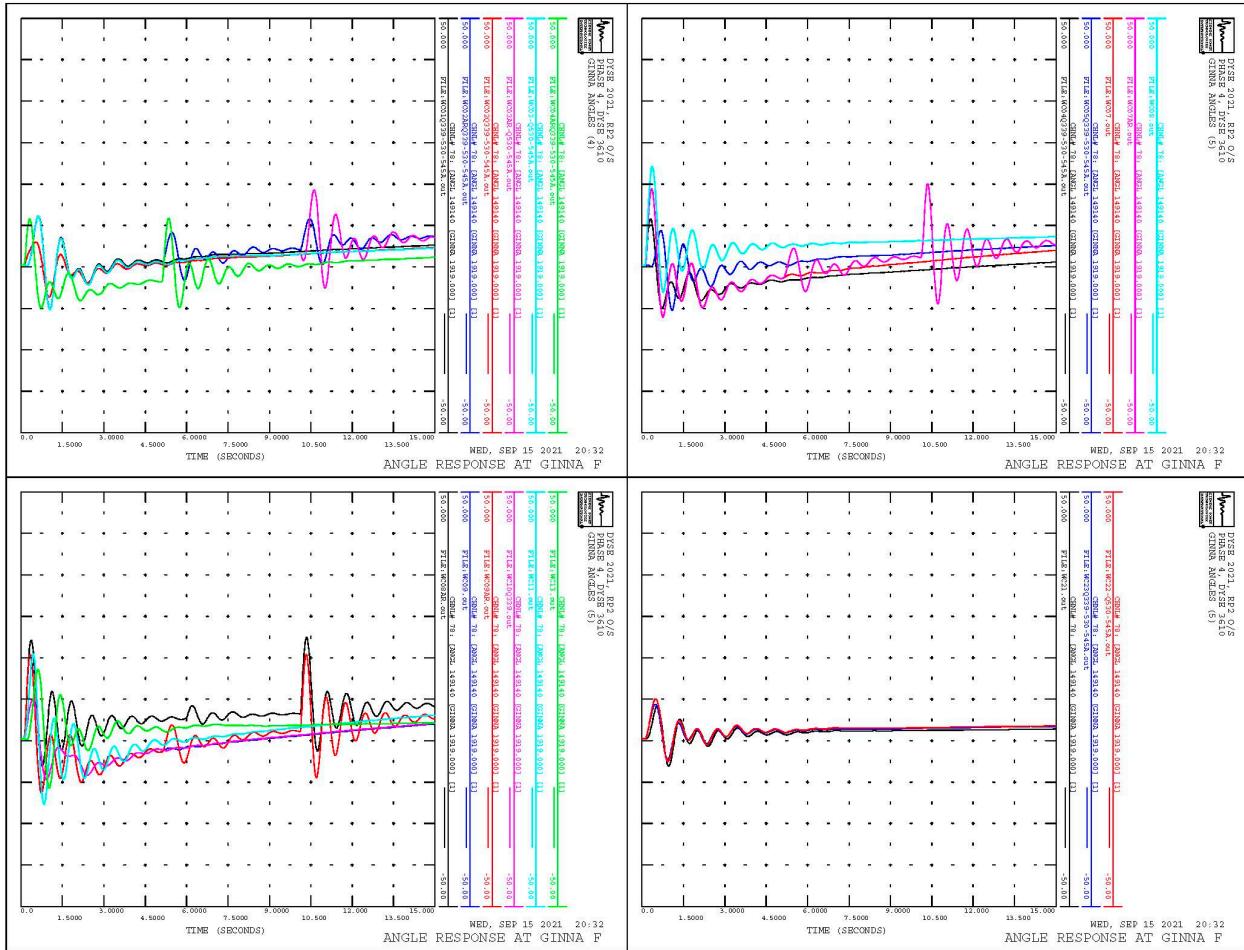
RP2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, RP2 O/S
PHASE 4, DYSE 3610

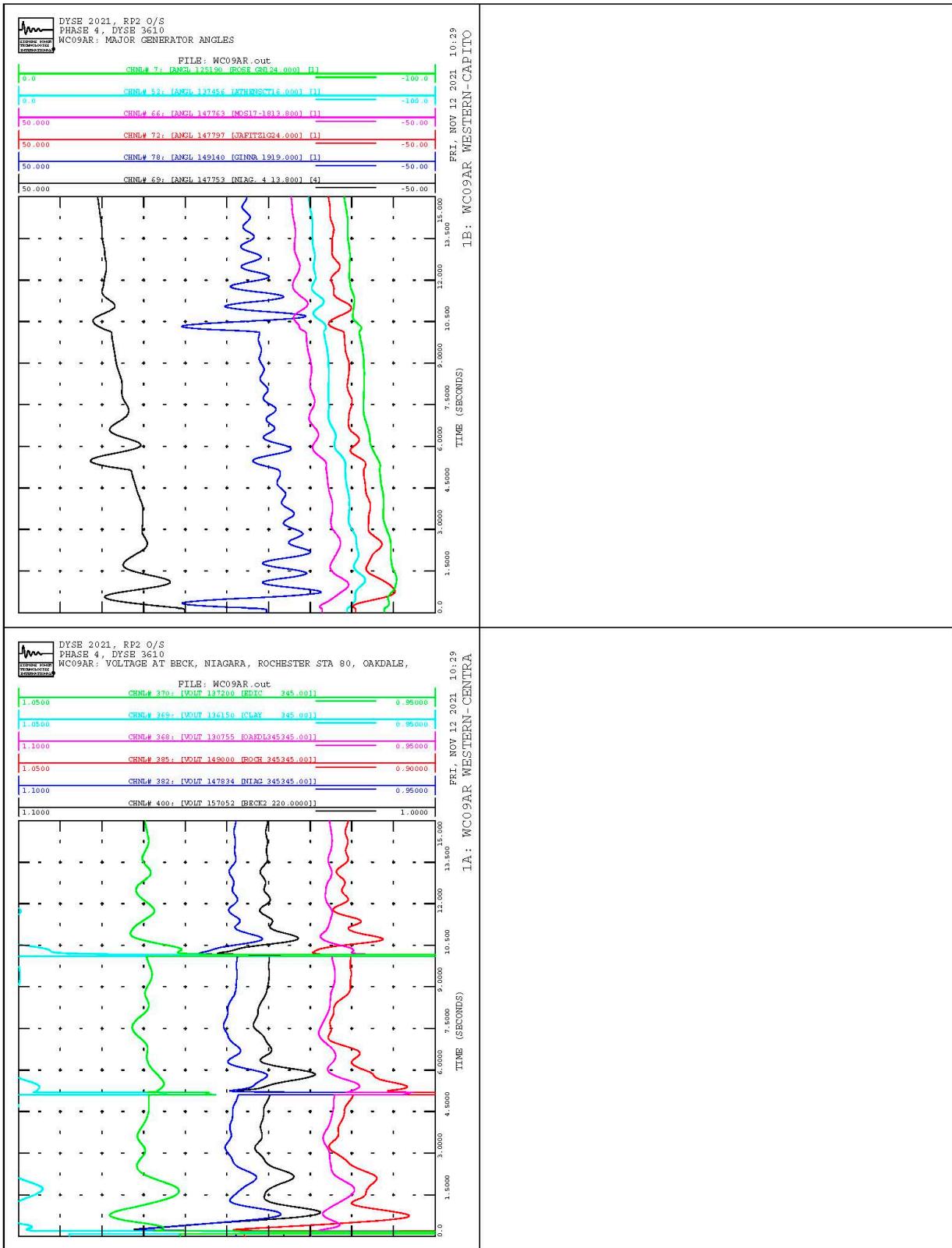
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3612.5	113.3	DYSE-CLOSE	6257.0	-269.6
WEST-CENTRAL	2173.5	-495.7	WESTC-CLOSE	4882.9	-614.5
VOLNEY-EAST	4075.2	168.0	VOLNEY-CLOSE	5955.4	60.9
MOSES-SOUTH	2545.5	-77.0	MOSES-CLOSE	2004.6	204.8
CENTRAL-EAST	2888.3	-816.9	TOTAL-EAST	6875.7	-1597.5
UPNY-SENY	6552.1	-24.6	UPNY-SENY-CL	7855.7	15.8
UPNY-CONED	6663.6	213.6	UPNY-CON-CL	8387.9	72.5
MILLWOOD-SO	7779.3	-421.6	LIPA-IMPORT	2006.3	14.0
DNWDIE-SO-PL	4640.5	-954.2	DNWDIE-SO-PC	6364.9	-1095.3
DNWDIE-SO-OP	3725.2	-714.1	ABC-JK-PAR	-22.0	403.8
SENY-115kV	341.0	-75.4	SENY-F-To-G	3906.7	259.8
PJM-NY	1751.0	-50.1	NE-NY-WCSC	312.3	32.1
ON-NY	4001.5	214.7	ONT-MICH-PAR	350.8	-2.1
CONED-345	2314.8	-874.7	CONED-138	1111.6	-159.9
Y49-Y50	1214.1	80.4	138-POCKET	1955.4	184.4
AST-POCKET	1357.6	103.6	GRNWD-POCKET	806.3	137.3
STAT-POCKET	310.2	-13.2	E13-POCKET	311.1	-9.4
W49-POCKET	1356.8	-463.7	EVIEW-POCKET	546.7	405.0
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.2	-66.9
ON-MAN-MIN	-0.1	-29.8	UPNY-SENY-M	5275.5	66.5
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.8	-120.5
AR-3-BULK-T	1335.9	342.6	AR-4-BULK-T	-744.9	227.0
AR-5-BULK-T	2854.4	326.8	AR-6-BULK-T	1123.5	15.7
AR-7-BULK-T	1552.9	314.7	AR-8-BULK-T	423.7	20.9
AR-3-TO-8-T	6545.6	1247.8	DNWDIE-SO-OC	4358.9	-880.7
I-TO-J	3426.5	-1034.7	CE+FRAS-GILB	3539.3	-1041.3
CE-GROUP	5610.9	-1471.2	HUDSONVALLEY	17856.2	-765.2
SENY-E-TO-G	2105.3	-442.7	UPNY-SENY-MC	6131.3	156.9
NORTH-CTY-EXPORT	285.6	29.1	NORTHERN EXPORT	700.6	-3.3
WESTERN EXPORT	1889.8	213.7			





Angle and Voltage Response for Contingency



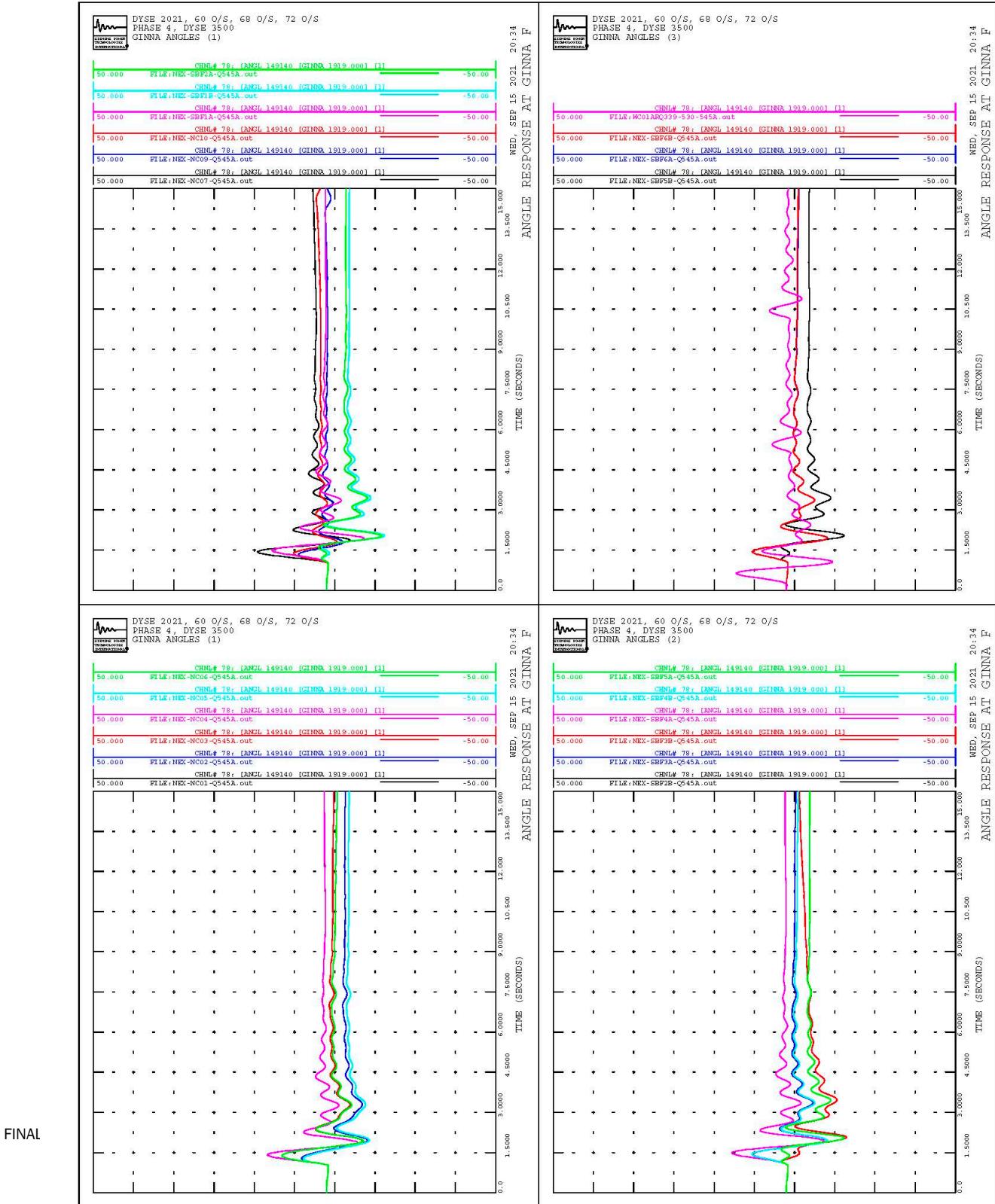
60, 68 & 72 Out-of-Service

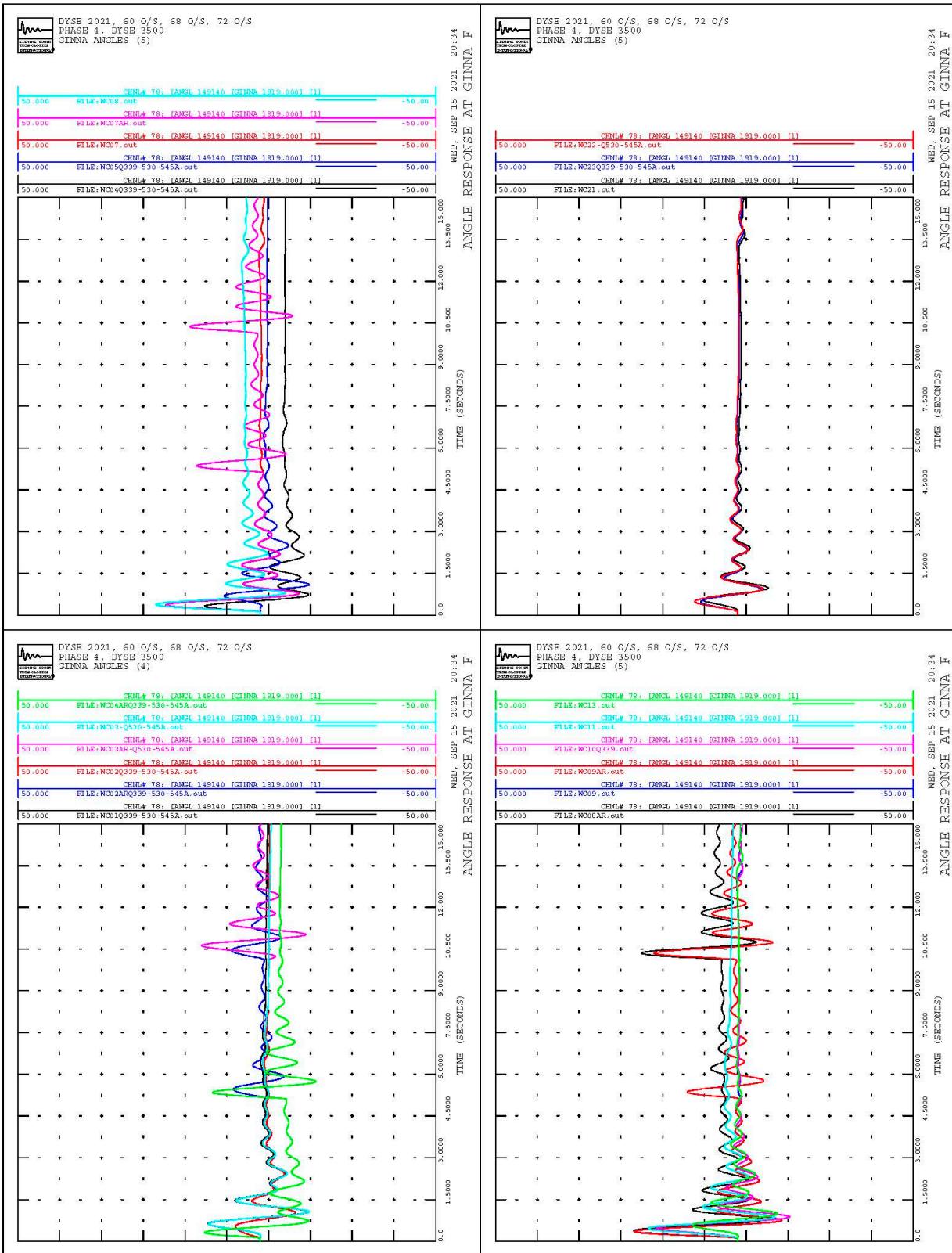
Interface Flow Report

CASE :DYSE 2021, 60 O/S, 68 O/S, 72 O/S
 PHASE 4, DYSE 3500

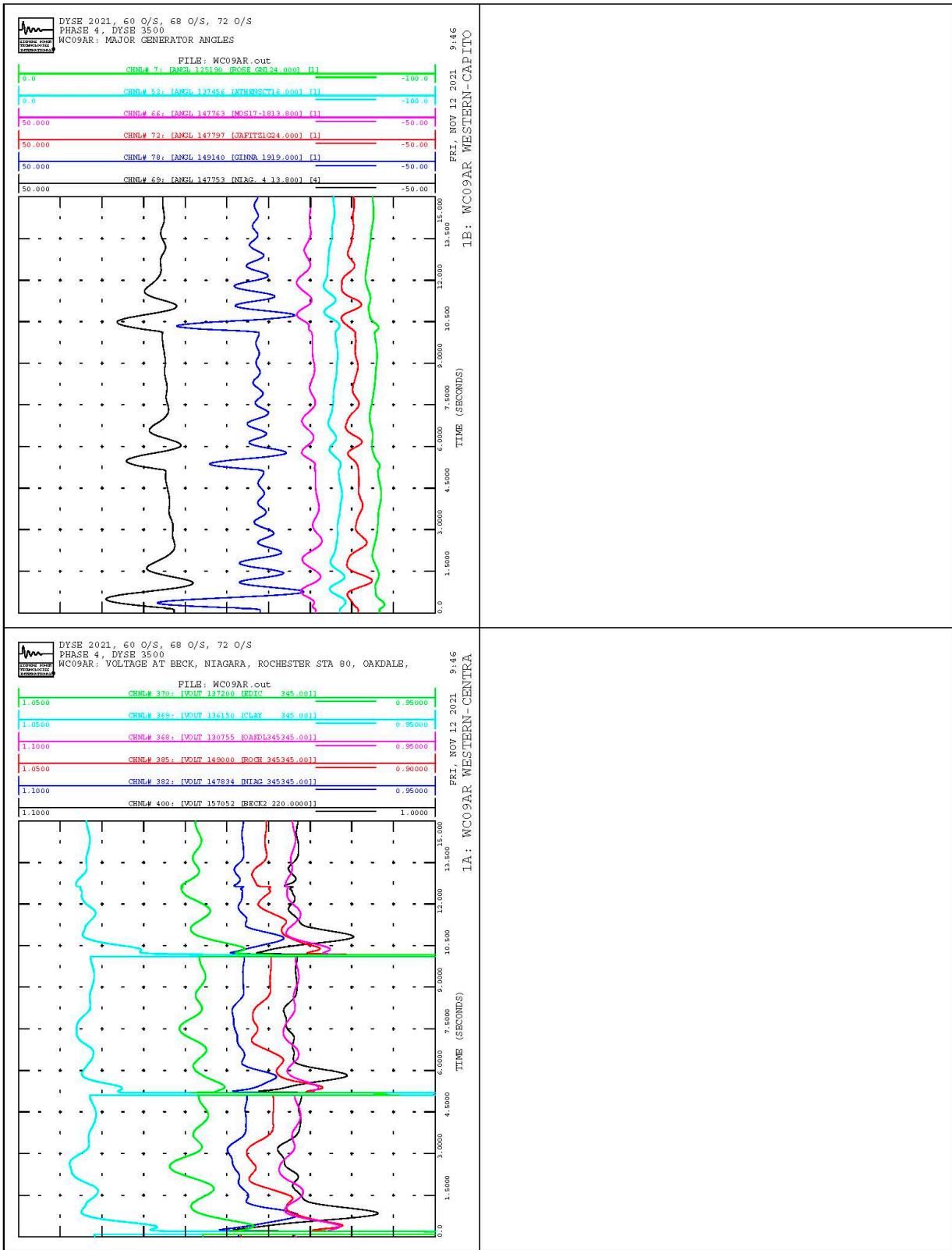
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3500.6	104.3	DYSE-CLOSE	6206.6	-316.8
WEST-CENTRAL	2127.2	-576.6	WESTC-CLOSE	4833.2	-733.6
VOLNEY-EAST	4061.1	219.6	VOLNEY-CLOSE	5957.6	112.7
MOSES-SOUTH	2547.8	-53.9	MOSES-CLOSE	2004.6	229.8
CENTRAL-EAST	2908.5	-849.4	TOTAL-EAST	6875.5	-1630.6
UPNY-SENY	6542.3	-43.6	UPNY-SENY-CL	7855.3	-2.9
UPNY-CONED	6660.4	204.9	UPNY-CON-CL	8387.9	65.1
MILLWOOD-SO	7779.3	-427.7	LIPA-IMPORT	2006.3	5.6
DNWDIE-SO-PL	4637.4	-960.8	DNWDIE-SO-PC	6364.8	-1100.6
DNWDIE-SO-OP	3722.3	-711.5	ABC-JK-PAR	-13.6	404.2
SENY-115kV	340.7	-76.8	SENY-F-To-G	3902.0	245.9
PJM-NY	1622.7	-82.2	NE-NY-WCSC	312.2	42.9
ON-NY	3979.9	234.2	ONT-MICH-PAR	421.1	-33.4
CONED-345	2311.9	-871.1	CONED-138	1111.7	-159.8
Y49-Y50	1213.8	70.1	138-POCKET	1956.3	184.4
AST-POCKET	1357.1	102.5	GRNWD-POCKET	806.1	137.2
STAT-POCKET	310.2	-13.0	E13-POCKET	311.2	-9.1
W49-POCKET	1357.0	-463.0	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.1	-67.0
ON-MAN-MIN	0.5	-29.4	UPNY-SENY-M	5267.7	48.1
EAST-HOLBRK	576.8	-87.6	NEWBRIDGE-E	-223.3	-124.0
AR-3-BULK-T	1356.0	347.8	AR-4-BULK-T	-744.2	219.5
AR-5-BULK-T	2866.5	329.6	AR-6-BULK-T	1125.0	13.0
AR-7-BULK-T	1553.3	308.9	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6580.3	1240.0	DNWDIE-SO-OC	4358.8	-877.4
I-TO-J	3423.6	-1030.9	CE+FRAS-GILB	3536.7	-1069.4
CE-GROUP	5599.0	-1507.2	HUDSONVALLEY	17840.1	-799.5
SENY-E-TO-G	2095.9	-450.7	UPNY-SENY-MC	6127.8	136.9
NORTH-CTY-EXPORT	285.6	32.2	NORTHERN EXPORT	700.6	6.7
WESTERN EXPORT	1584.2	257.2			





Angle and Voltage Response for Contingency



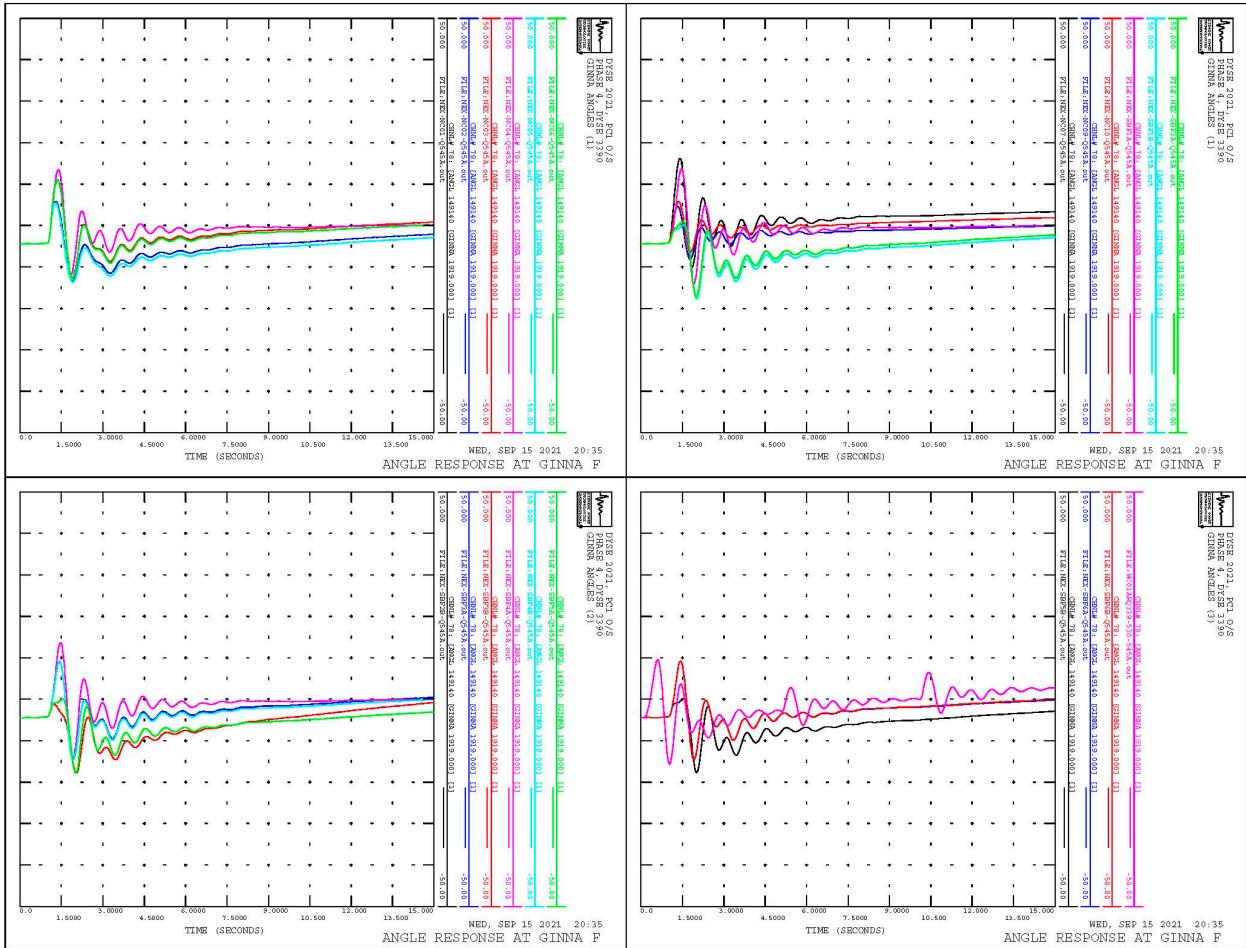
PC1 Out-of-Service

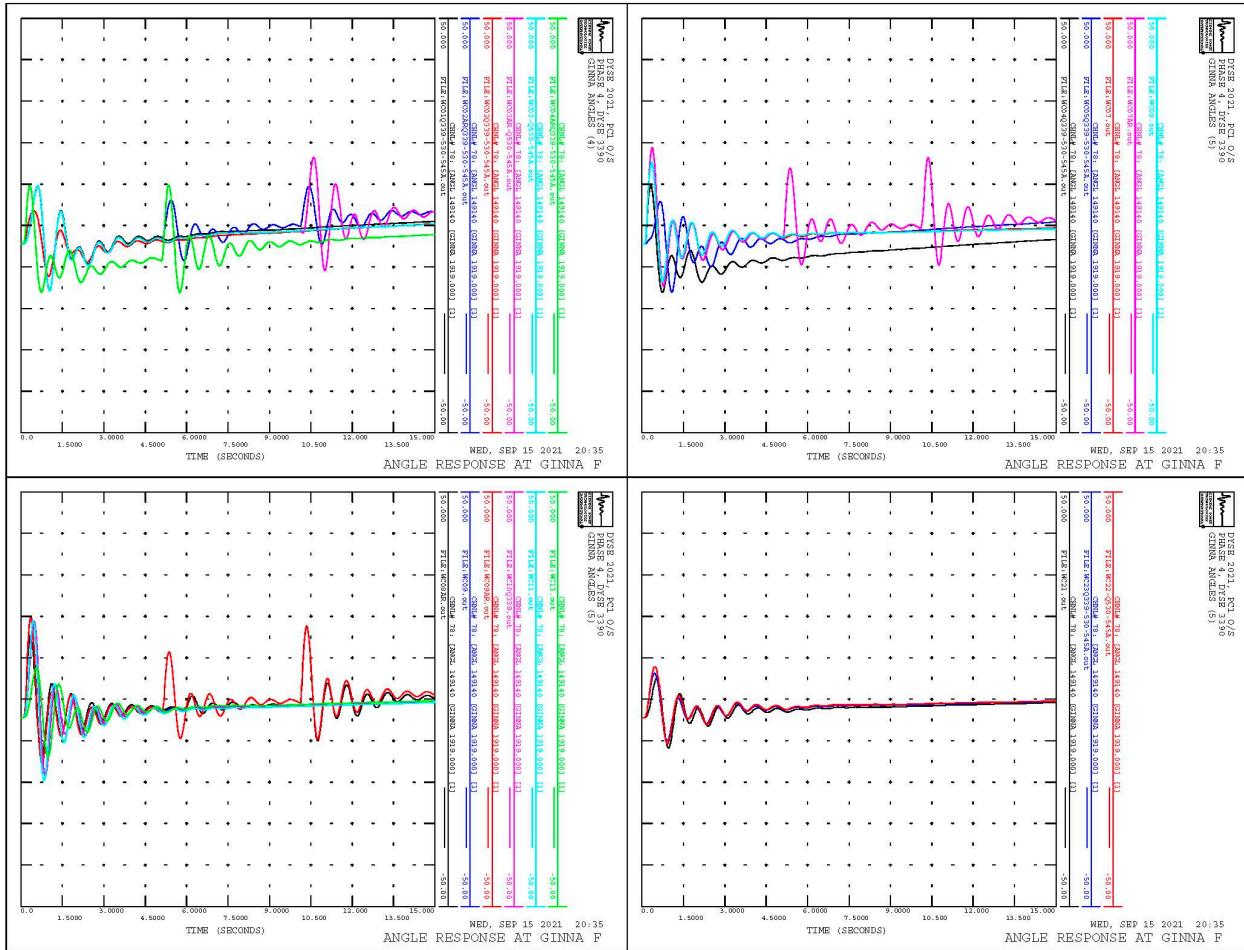
Interface Flow Report

CASE :DYSE 2021, PC1 O/S
PHASE 4, DYSE 3390

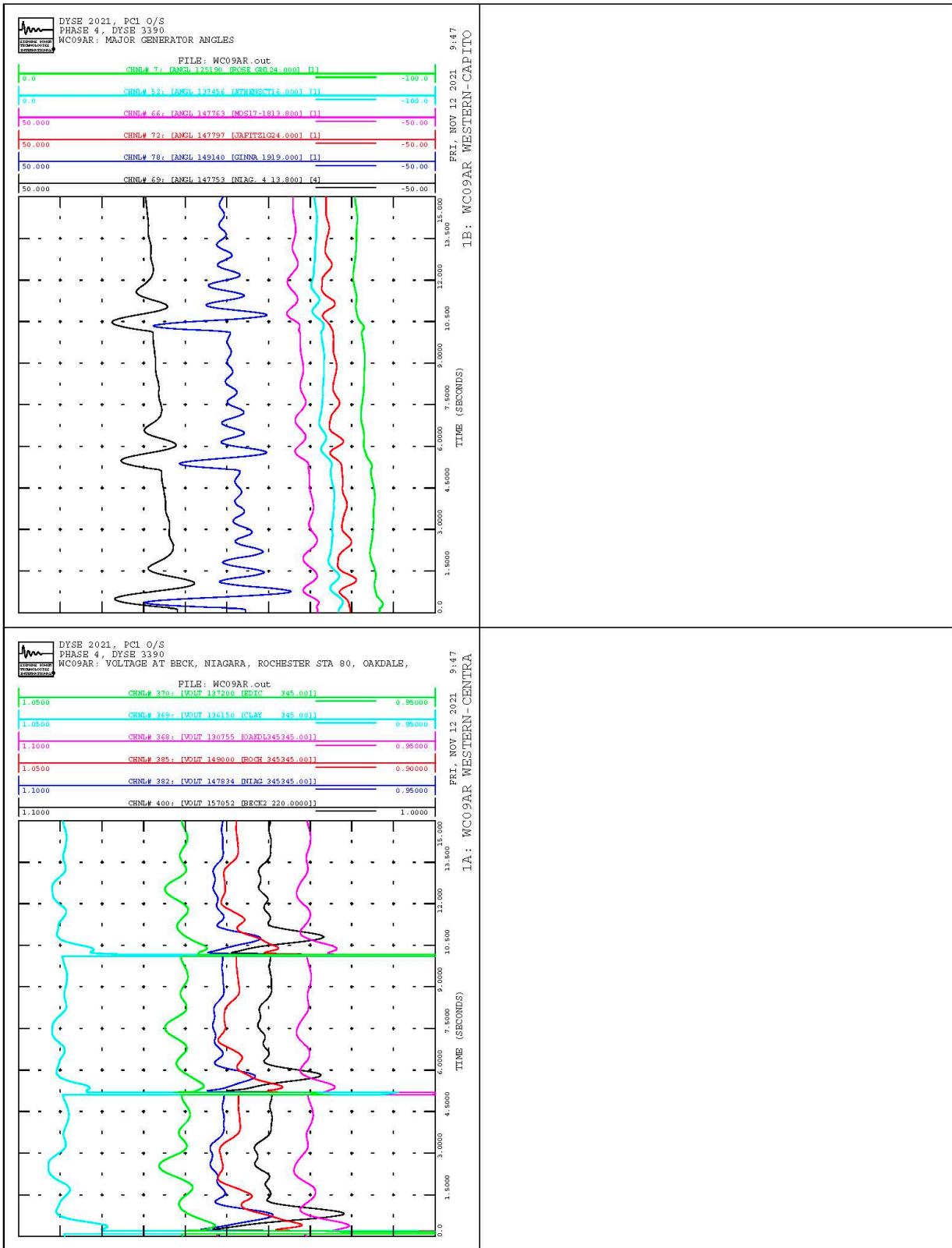
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3393.0	100.8	DYSE-CLOSE	5992.7	-249.3
WEST-CENTRAL	2015.5	-409.8	WESTC-CLOSE	4615.2	-495.7
VOLNEY-EAST	4060.4	205.6	VOLNEY-CLOSE	5953.6	101.4
MOSES-SOUTH	2546.6	-69.0	MOSES-CLOSE	2004.5	212.3
CENTRAL-EAST	2890.7	-822.8	TOTAL-EAST	6876.4	-1608.1
UPNY-SENY	6547.0	-37.4	UPNY-SENY-CL	7856.4	3.7
UPNY-CONED	6662.8	211.9	UPNY-CON-CL	8389.0	71.7
MILLWOOD-SO	7780.2	-421.7	LIPA-IMPORT	2006.4	13.8
DNWDIE-SO-PL	4639.7	-955.2	DNWDIE-SO-PC	6365.9	-1095.4
DNWDIE-SO-OP	3723.9	-714.9	ABC-JK-PAR	-16.4	404.8
SENY-115kV	340.3	-76.4	SENY-F-To-G	3901.0	250.1
PJM-NY	1603.4	-27.2	NE-NY-WCSC	312.4	39.8
ON-NY	3952.5	200.0	ONT-MICH-PAR	399.4	-3.9
CONED-345	2313.5	-875.0	CONED-138	1111.7	-160.4
Y49-Y50	1214.5	80.2	138-POCKET	1956.5	183.6
AST-POCKET	1358.7	101.9	GRNWD-POCKET	806.2	137.1
STAT-POCKET	310.2	-13.1	E13-POCKET	311.1	-9.5
W49-POCKET	1356.8	-463.0	EVIEW-POCKET	546.8	405.0
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.1	-66.9
ON-MAN-MIN	-0.6	-29.4	UPNY-SENY-M	5267.2	53.6
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.5	-120.8
AR-3-BULK-T	1320.8	390.1	AR-4-BULK-T	-747.1	229.1
AR-5-BULK-T	2855.7	331.2	AR-6-BULK-T	1124.6	18.3
AR-7-BULK-T	1553.7	308.4	AR-8-BULK-T	423.9	21.0
AR-3-TO-8-T	6531.6	1298.1	DNWDIE-SO-OC	4359.8	-880.6
I-TO-J	3425.2	-1035.4	CE+FRAS-GILB	3533.1	-1049.2
CE-GROUP	5599.3	-1484.7	HUDSONVALLEY	17849.5	-780.8
SENY-E-TO-G	2099.9	-448.4	UPNY-SENY-MC	6130.3	143.8
NORTH-CTY-EXPORT	285.6	30.2	NORTHERN EXPORT	700.5	-1.0
WESTERN EXPORT	1831.3	225.2			





Angle and Voltage Response for Contingency



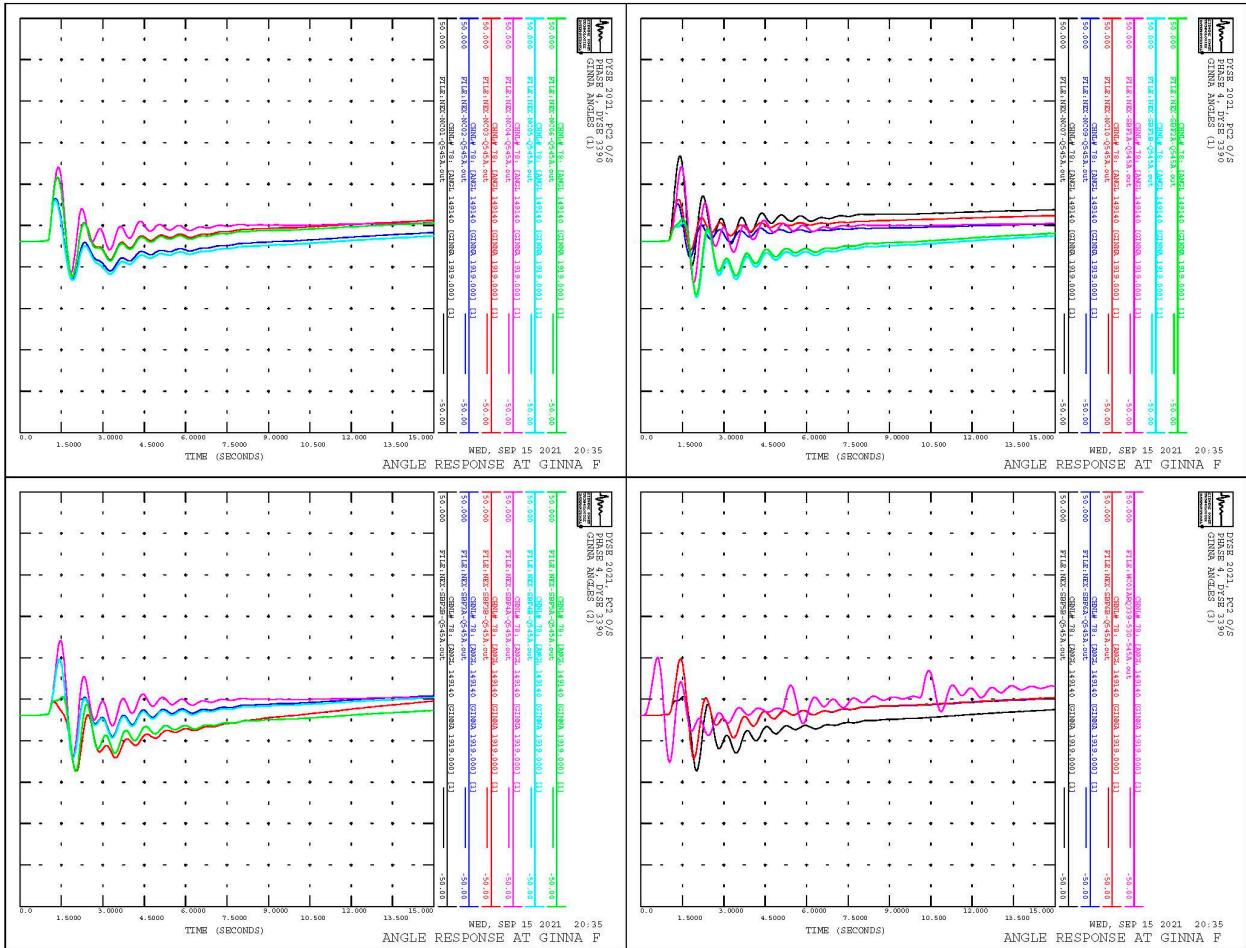
PC2 Out-of-Service

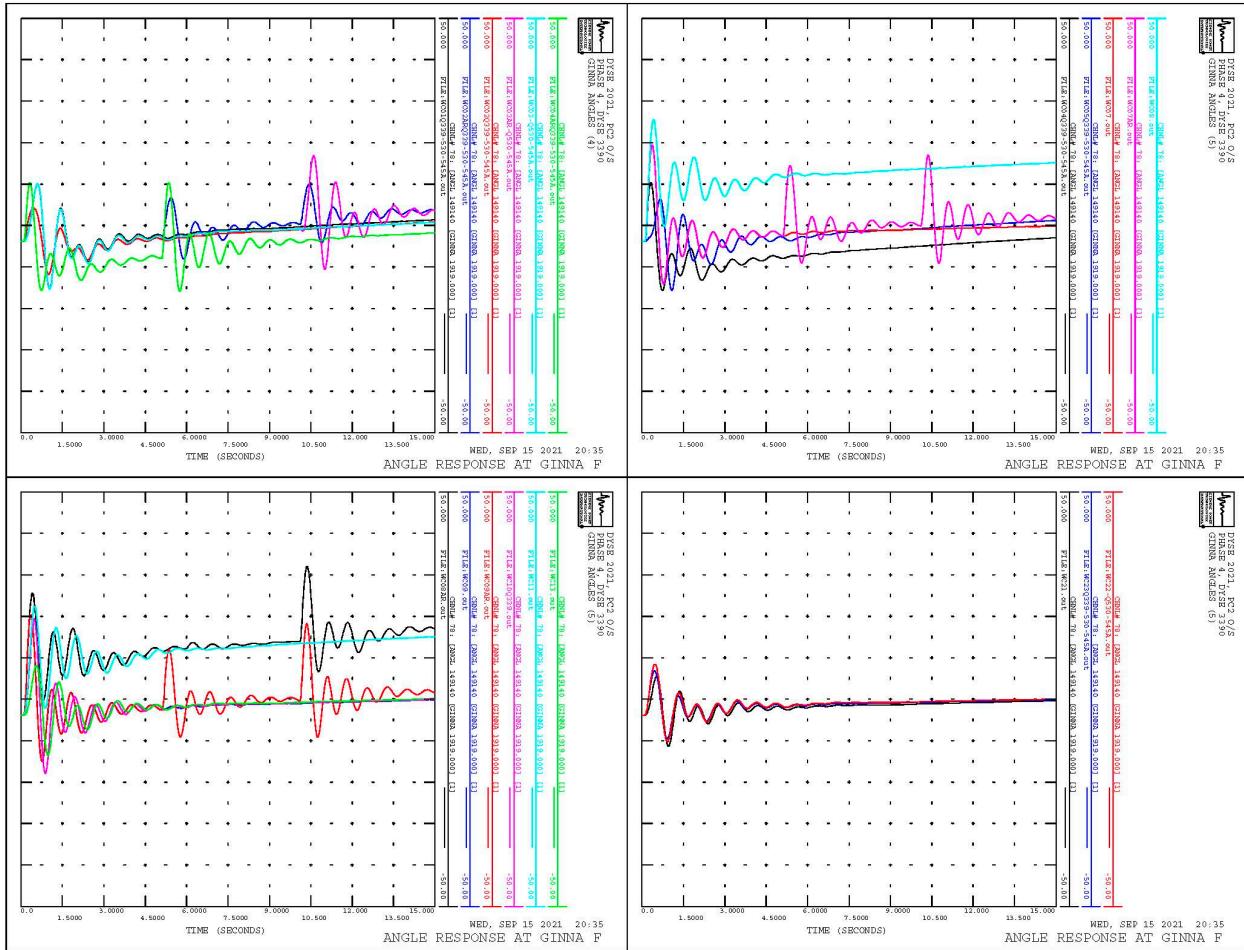
Interface Flow Report

CASE :DYSE 2021, PC2 O/S
PHASE 4, DYSE 3390

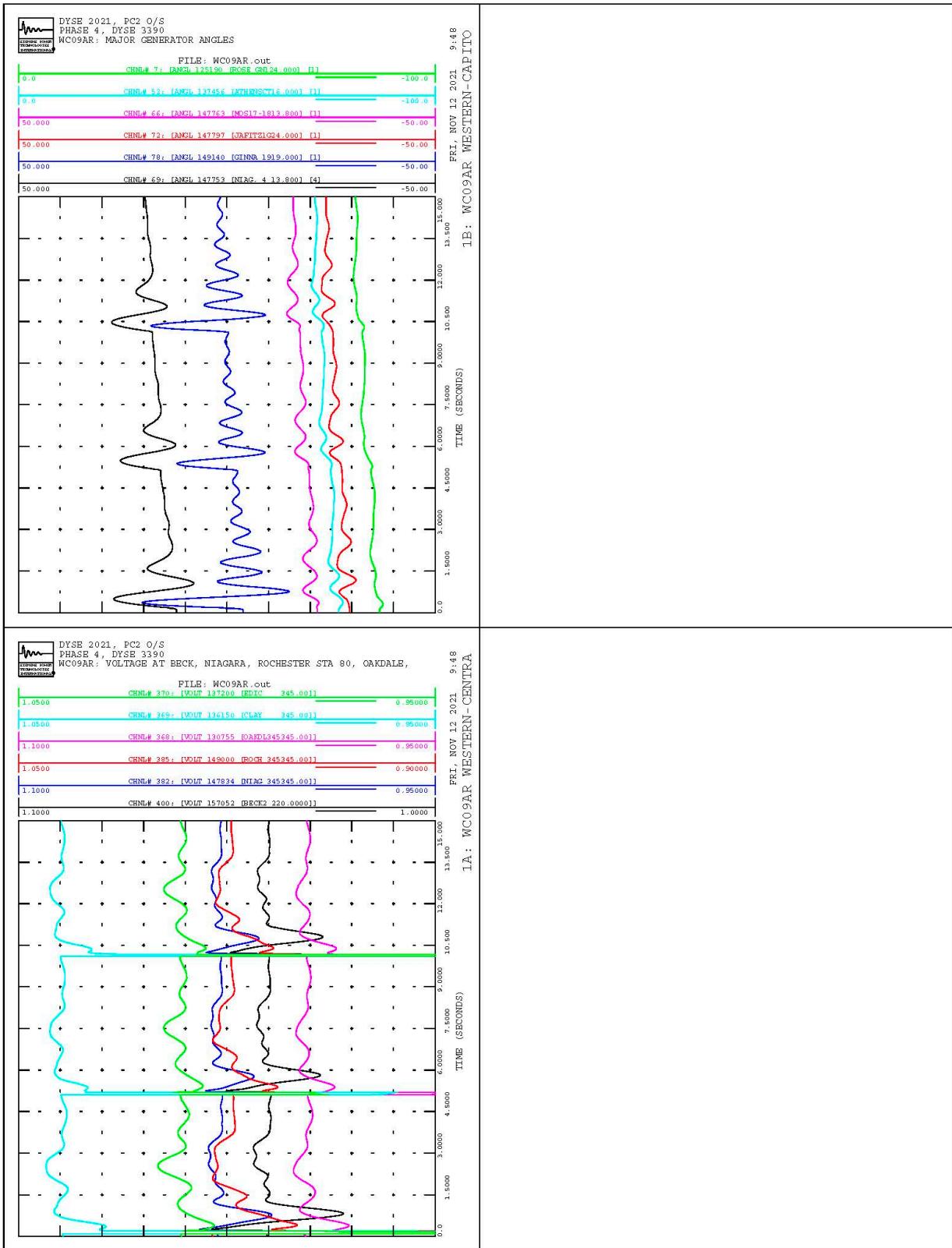
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3393.7	91.2	DYSE-CLOSE	5986.9	-262.6
WEST-CENTRAL	2019.3	-405.4	WESTC-CLOSE	4612.5	-495.1
VOLNEY-EAST	4069.5	193.1	VOLNEY-CLOSE	5953.6	88.1
MOSES-SOUTH	2547.2	-75.7	MOSES-CLOSE	2004.6	206.4
CENTRAL-EAST	2893.6	-817.5	TOTAL-EAST	6875.6	-1591.9
UPNY-SENY	6552.8	-29.1	UPNY-SENY-CL	7855.8	12.1
UPNY-CONED	6664.5	213.5	UPNY-CON-CL	8388.3	73.5
MILLWOOD-SO	7779.6	-420.9	LIPA-IMPORT	2006.3	13.9
DNWDIE-SO-PL	4641.5	-954.6	DNWDIE-SO-PC	6365.3	-1094.7
DNWDIE-SO-OP	3725.6	-714.4	ABC-JK-PAR	-22.0	404.6
SENY-115kV	340.7	-76.2	SENY-F-To-G	3905.2	253.8
PJM-NY	1597.9	-32.0	NE-NY-WCSC	312.4	37.8
ON-NY	3954.8	192.5	ONT-MICH-PAR	397.4	-3.7
CONED-345	2315.6	-874.5	CONED-138	1111.2	-160.4
Y49-Y50	1214.6	80.3	138-POCKET	1954.6	183.9
AST-POCKET	1358.0	101.9	GRNWD-POCKET	806.4	137.1
STAT-POCKET	310.2	-13.2	E13-POCKET	311.1	-9.5
W49-POCKET	1356.8	-462.8	EVIEW-POCKET	546.7	405.0
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.2	-66.9
ON-MAN-MIN	-0.4	-29.4	UPNY-SENY-M	5274.3	59.4
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-222.4	-120.7
AR-3-BULK-T	1319.1	381.9	AR-4-BULK-T	-748.0	232.2
AR-5-BULK-T	2857.0	328.3	AR-6-BULK-T	1124.5	19.8
AR-7-BULK-T	1553.4	309.2	AR-8-BULK-T	423.8	21.0
AR-3-TO-8-T	6529.8	1292.5	DNWDIE-SO-OC	4359.2	-880.0
I-TO-J	3426.9	-1034.9	CE+FRAS-GILB	3537.5	-1037.9
CE-GROUP	5608.2	-1468.6	HUDSONVALLEY	17858.8	-770.2
SENY-E-TO-G	2104.4	-443.4	UPNY-SENY-MC	6132.0	152.1
NORTH-CTY-EXPORT	285.6	29.8	NORTHERN EXPORT	700.6	-3.5
WESTERN EXPORT	1832.8	219.2			





Angle and Voltage Response for Contingency



67, 81, 83 & 85 Out-of-Service

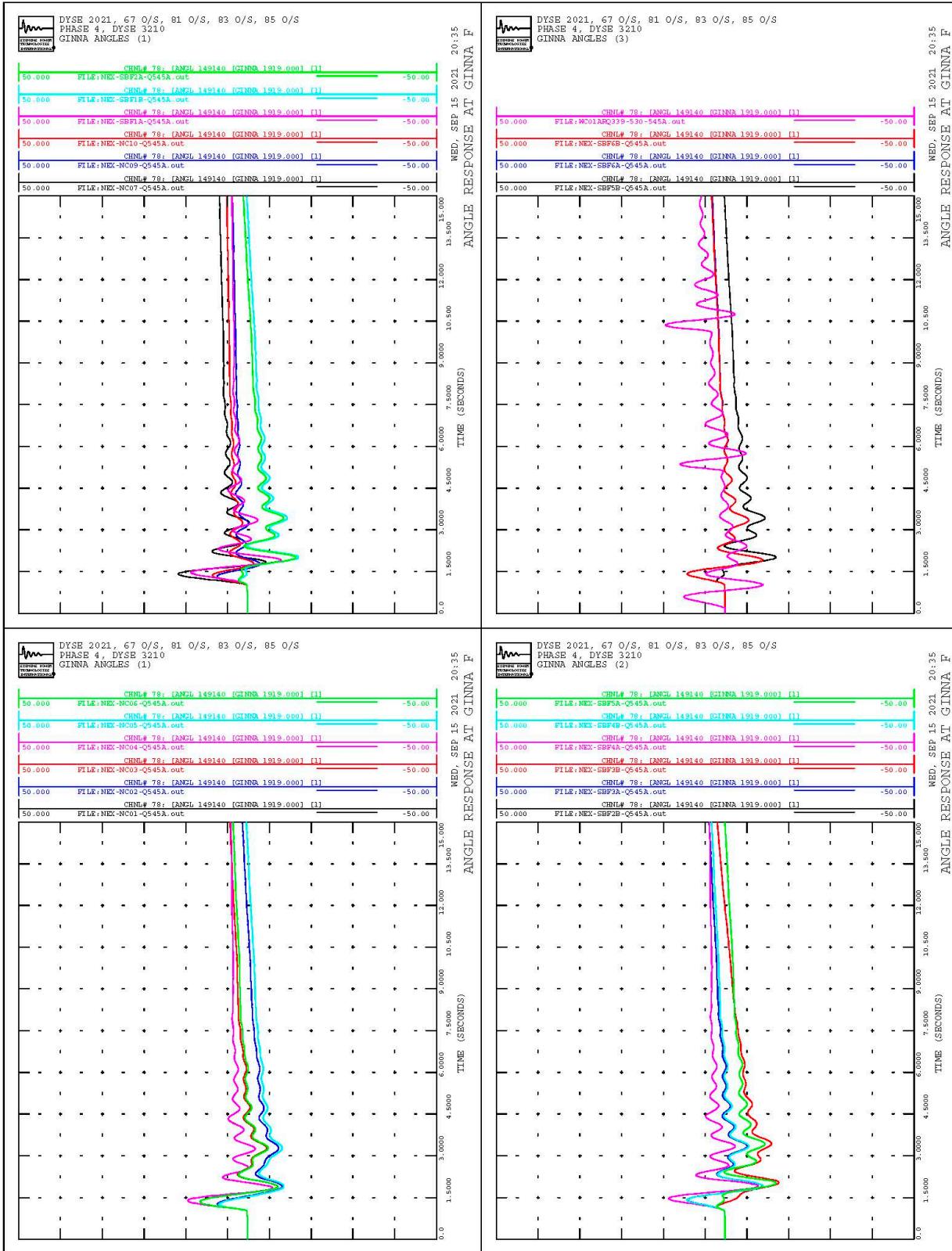
Interface Flow Report

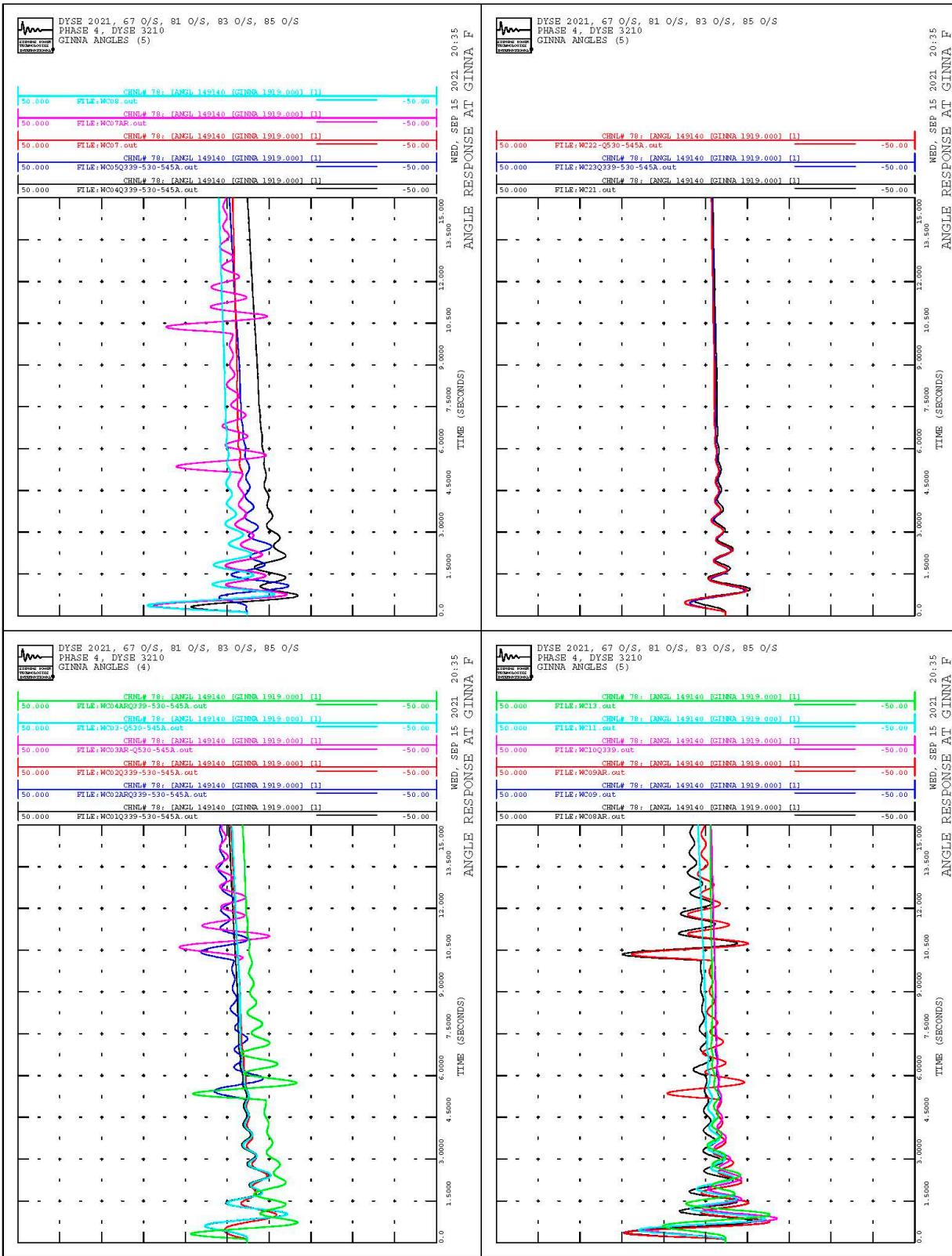
CASE :DYSE 2021, 67 O/S, 81 O/S, 83 O/S, 85 O/S
 PHASE 4, DYSE 3210

INTERFACE FLOW REPORT

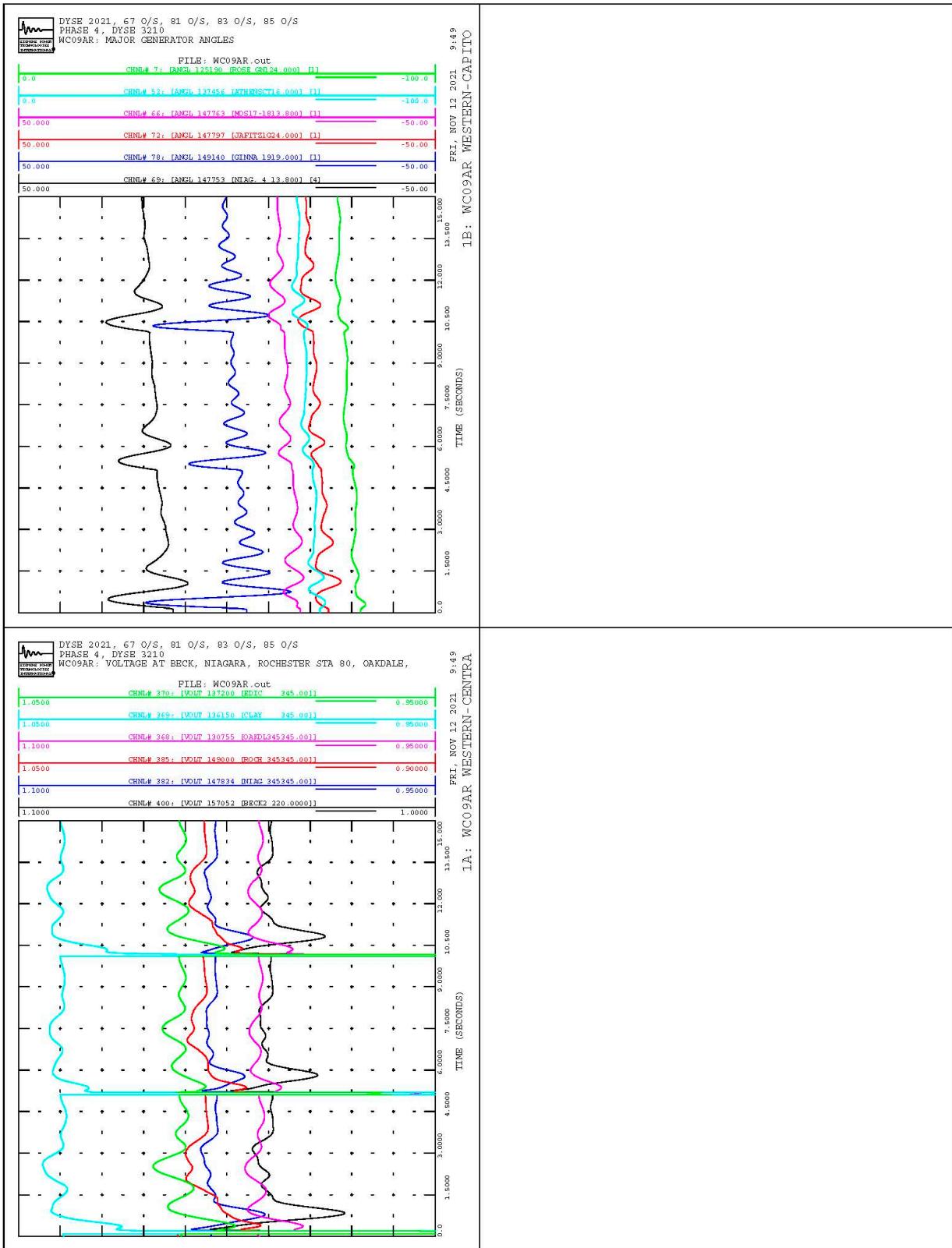
DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3210.6	36.8	DYSE-CLOSE	5805.5	-370.3
WEST-CENTRAL	1835.2	-452.0	WESTC-CLOSE	4430.1	-594.7
VOLNEY-EAST	4101.6	263.9	VOLNEY-CLOSE	5953.0	189.3
MOSES-SOUTH	2504.5	-73.5	MOSES-CLOSE	2004.6	178.1
CENTRAL-EAST	2915.0	-828.5	TOTAL-EAST	6874.4	-1563.9
UPNY-SENY	6543.5	-14.6	UPNY-SENY-CL	7855.3	25.4
UPNY-CONED	6662.4	209.2	UPNY-CON-CL	8388.5	71.7
MILLWOOD-SO	7780.0	-419.8	LIPA-IMPORT	2006.3	6.7
DNWDIE-SO-PL	4639.2	-954.5	DNWDIE-SO-PC	6365.3	-1092.0
DNWDIE-SO-OP	3722.9	-706.2	ABC-JK-PAR	-13.4	403.7
SENY-115kV	340.8	-75.9	SENY-F-To-G	3901.0	251.9
PJM-NY	1602.5	-126.9	NE-NY-WCSC	312.6	35.0
ON-NY	3948.3	205.8	ONT-MICH-PAR	400.8	-29.9
CONED-345	2312.5	-866.5	CONED-138	1111.8	-159.4
Y49-Y50	1214.9	71.4	138-POCKET	1955.5	185.8
AST-POCKET	1356.8	103.4	GRNWD-POCKET	806.3	137.4
STAT-POCKET	310.2	-12.8	E13-POCKET	311.2	-8.7
W49-POCKET	1357.2	-461.6	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.2
ON-MAN-MIN	0.7	-29.4	UPNY-SENY-M	5268.1	63.9
EAST-HOLBRK	576.8	-87.8	NEWBRIDGE-E	-222.3	-123.5
AR-3-BULK-T	1522.6	315.6	AR-4-BULK-T	-716.2	227.1
AR-5-BULK-T	2845.4	344.3	AR-6-BULK-T	1127.0	18.8
AR-7-BULK-T	1553.2	313.3	AR-8-BULK-T	423.8	21.3
AR-3-TO-8-T	6755.8	1240.3	DNWDIE-SO-OC	4359.3	-869.8
I-TO-J	3424.3	-1025.9	CE+FRAS-GILB	3532.9	-1027.0
CE-GROUP	5597.7	-1441.1	HUDSONVALLEY	17845.0	-759.9
SENY-E-TO-G	2098.5	-426.2	UPNY-SENY-MC	6129.2	162.8
NORTH-CTY-EXPORT	285.6	23.7	NORTHERN EXPORT	700.3	-25.5
WESTERN EXPORT	1430.0	236.6			

FINAL





Angle and Voltage Response for Contingency



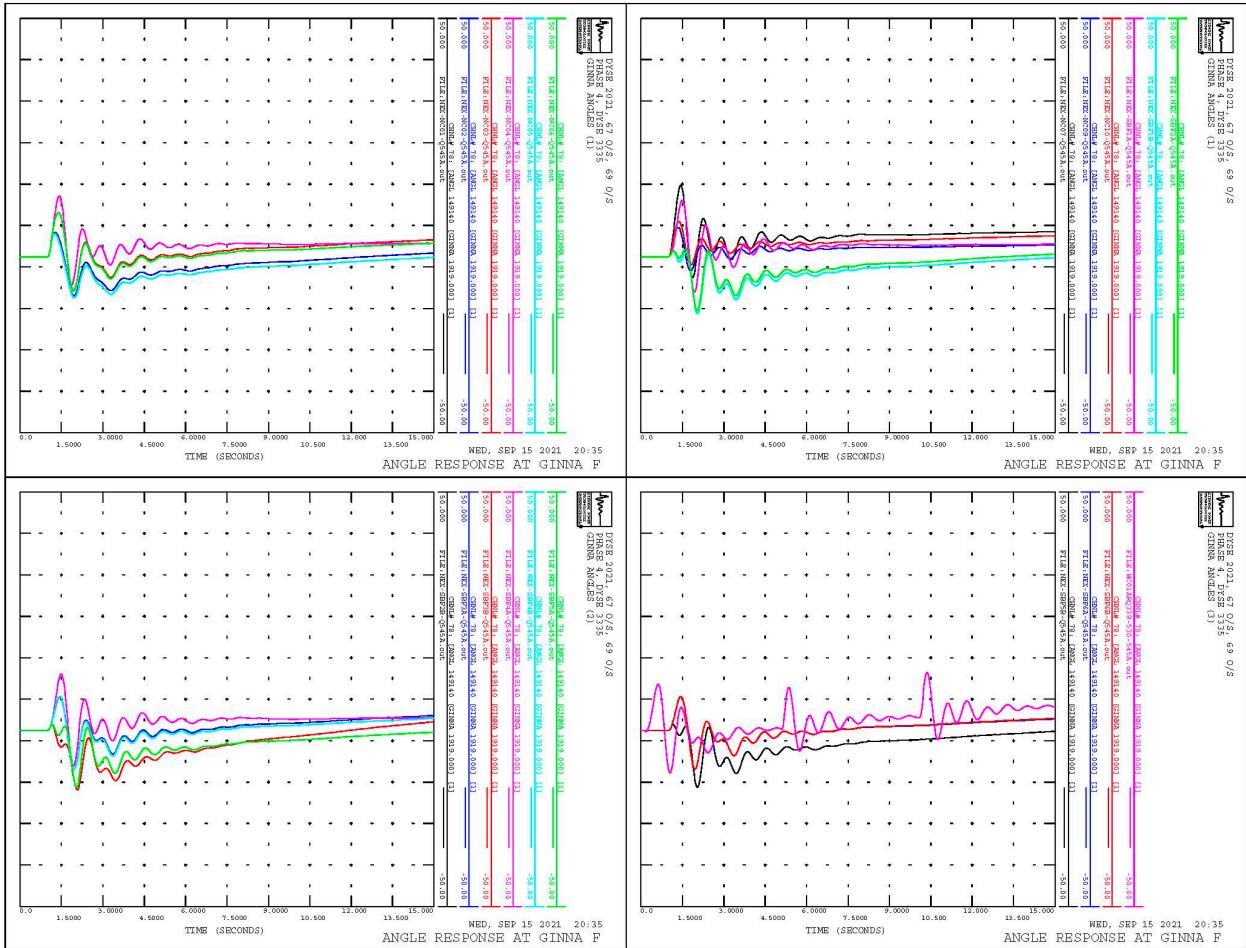
67 & 69 Out-of-Service

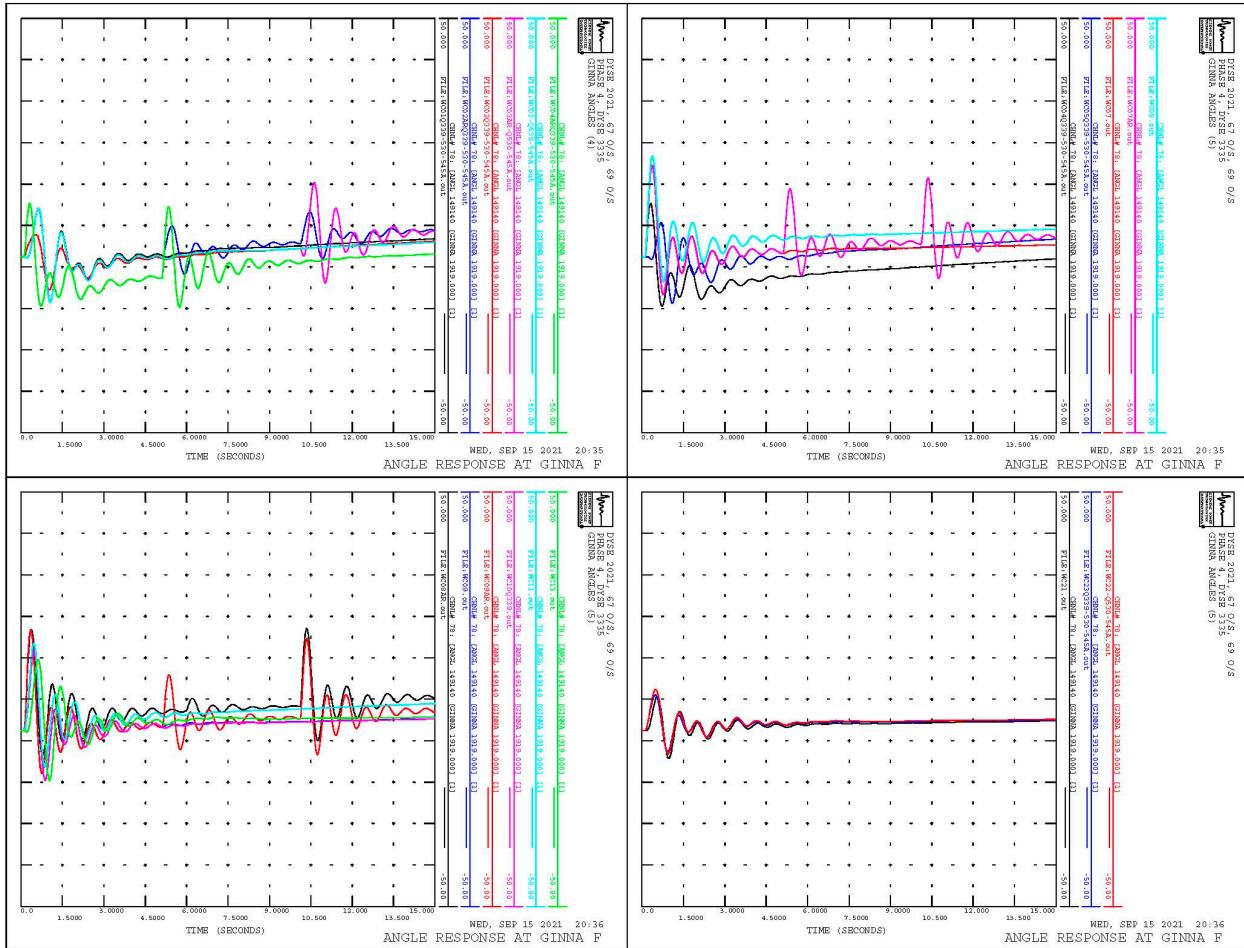
Interface Flow Report

CASE :DYSE 2021, 67 O/S, 69 O/S
 PHASE 4, DYSE 3335

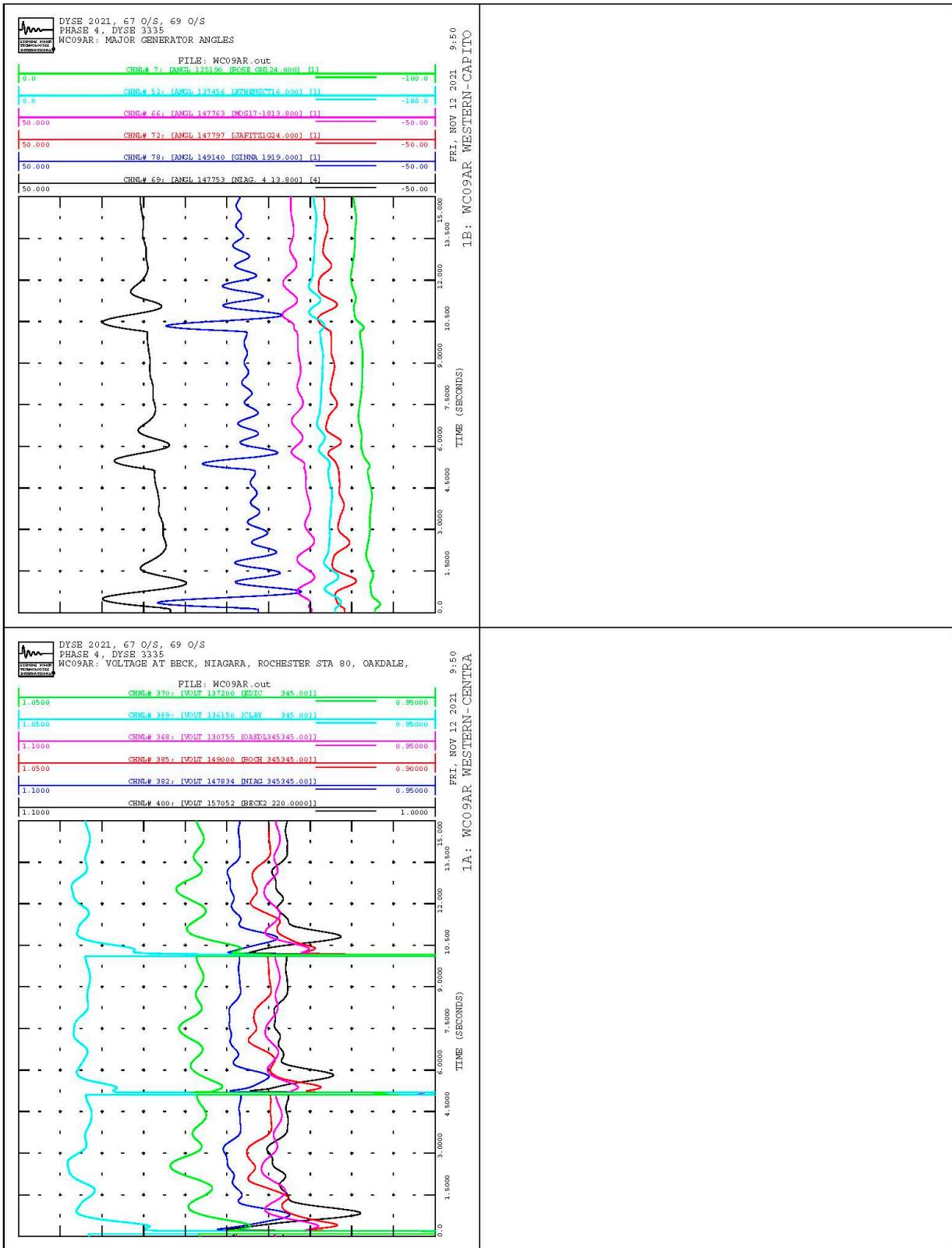
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3336.2	118.1	DYSE-CLOSE	6007.6	-319.8
WEST-CENTRAL	1962.0	-579.6	WESTC-CLOSE	4633.4	-753.2
VOLNEY-EAST	4074.6	244.9	VOLNEY-CLOSE	5957.5	147.5
MOSES-SOUTH	2536.2	-57.5	MOSES-CLOSE	2004.6	216.8
CENTRAL-EAST	2913.3	-847.7	TOTAL-EAST	6875.5	-1610.4
UPNY-SENY	6546.3	-34.2	UPNY-SENY-CL	7855.5	6.5
UPNY-CONED	6662.0	206.6	UPNY-CON-CL	8388.1	67.4
MILLWOOD-SO	7779.5	-425.5	LIPA-IMPORT	2006.3	6.0
DNWDIE-SO-PL	4638.9	-959.3	DNWDIE-SO-PC	6365.0	-1098.5
DNWDIE-SO-OP	3723.4	-710.3	ABC-JK-PAR	-16.6	404.1
SENY-115kV	340.9	-76.5	SENY-F-To-G	3902.6	247.5
PJM-NY	1618.9	-112.0	NE-NY-WCSC	312.3	41.1
ON-NY	3934.2	266.6	ONT-MICH-PAR	417.9	-19.7
CONED-345	2312.8	-870.1	CONED-138	1111.7	-159.7
Y49-Y50	1214.4	70.5	138-POCKET	1955.8	184.7
AST-POCKET	1357.1	102.7	GRNWD-POCKET	806.2	137.2
STAT-POCKET	310.2	-13.0	E13-POCKET	311.2	-9.1
W49-POCKET	1357.0	-462.7	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.0
ON-MAN-MIN	-0.2	-29.4	UPNY-SENY-M	5269.2	53.3
EAST-HOLBRK	576.8	-87.6	NEWBRIDGE-E	-222.9	-123.9
AR-3-BULK-T	1509.7	302.2	AR-4-BULK-T	-736.5	221.5
AR-5-BULK-T	2862.7	332.3	AR-6-BULK-T	1125.9	13.7
AR-7-BULK-T	1553.2	310.2	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6738.6	1201.2	DNWDIE-SO-OC	4358.9	-875.7
I-TO-J	3424.5	-1029.8	CE+FRAS-GILB	3536.7	-1057.4
CE-GROUP	5600.2	-1487.2	HUDSONVALLEY	17847.1	-787.0
SENY-E-TO-G	2097.1	-442.4	UPNY-SENY-MC	6129.4	145.7
NORTH-CTY-EXPORT	285.6	30.1	NORTHERN EXPORT	700.5	-2.4
WESTERN EXPORT	1385.8	274.8			





Angle and Voltage Response for Contingency

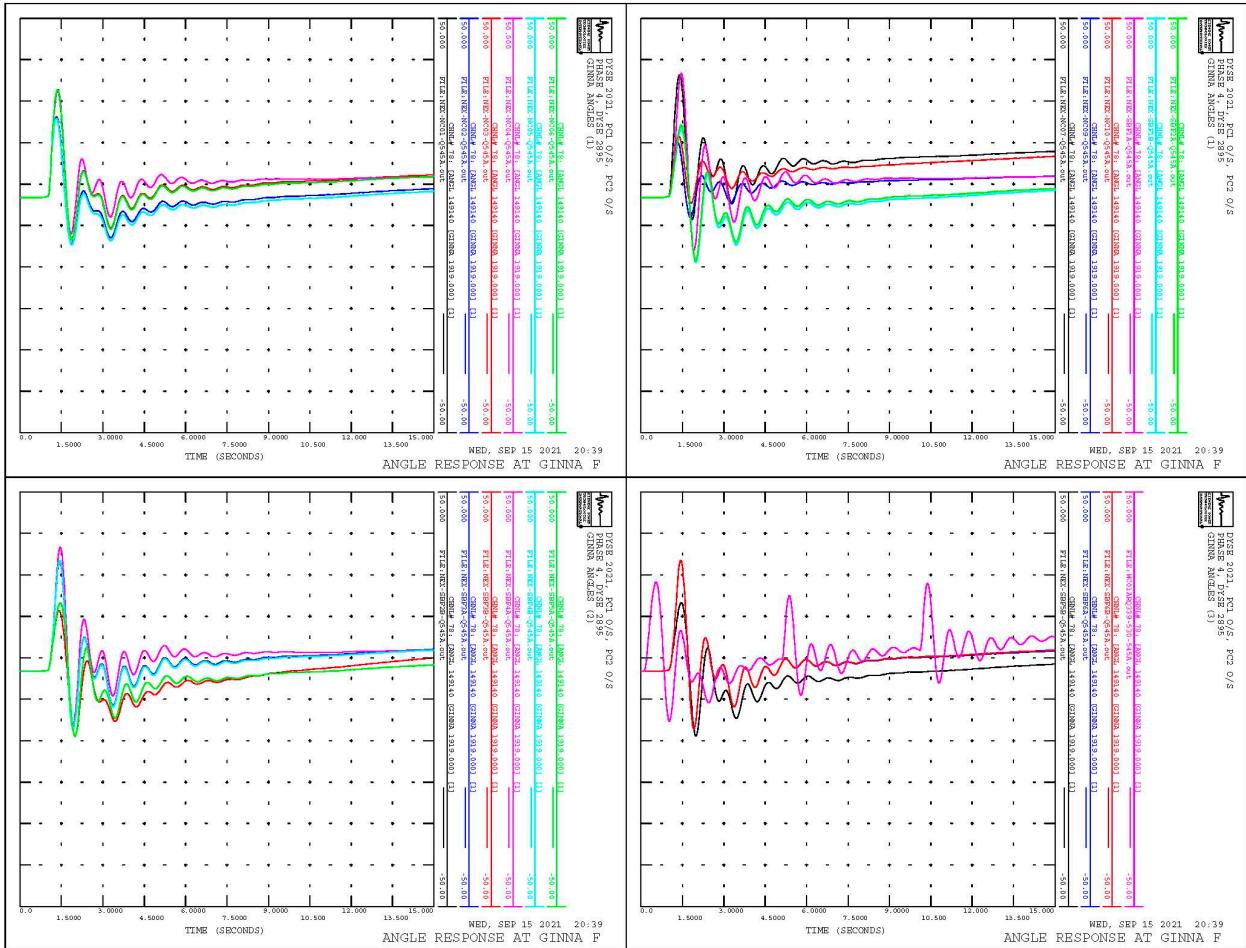


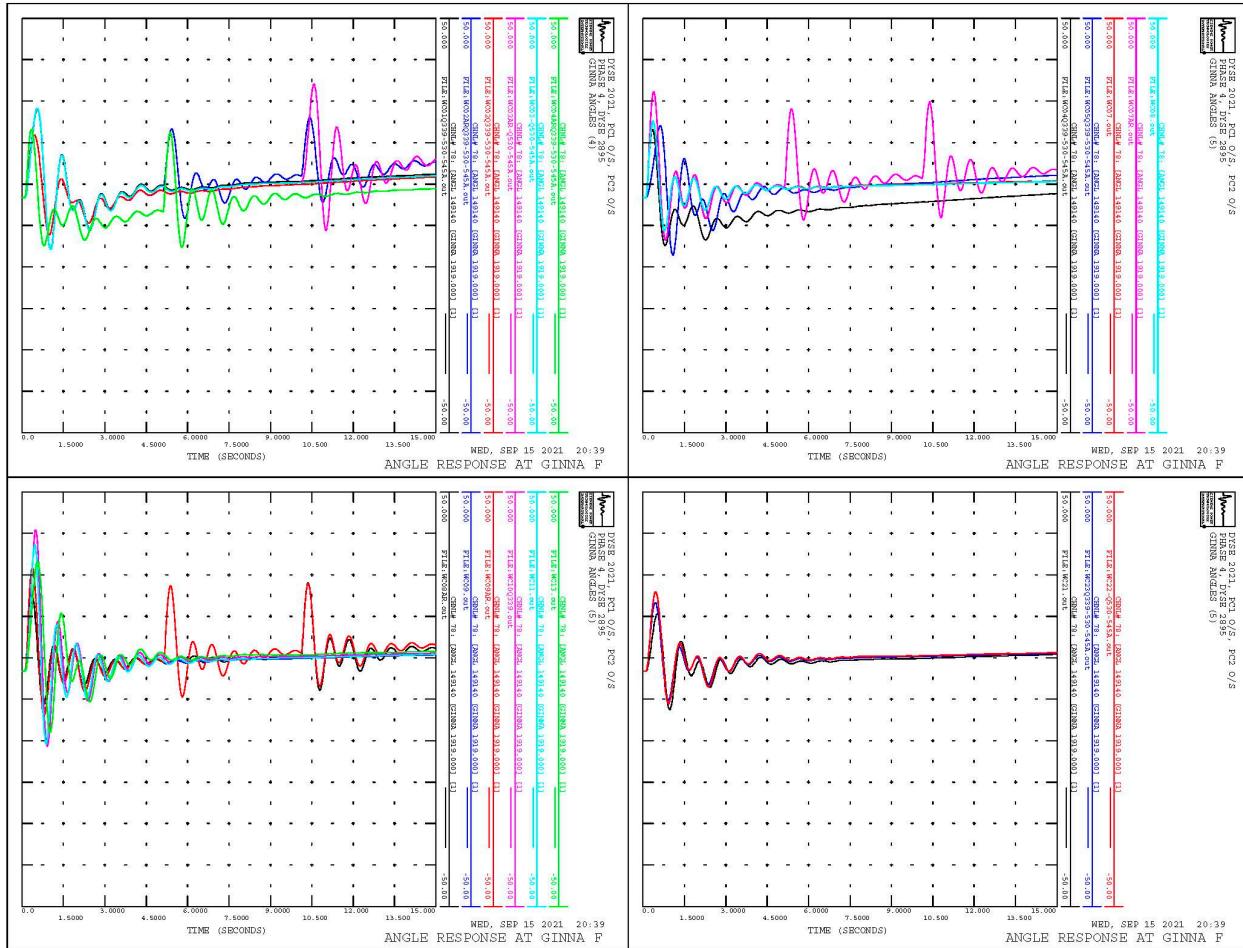
PC1 & PC2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, 67 O/S, 69 O/S
PHASE 4, DYSE 3335

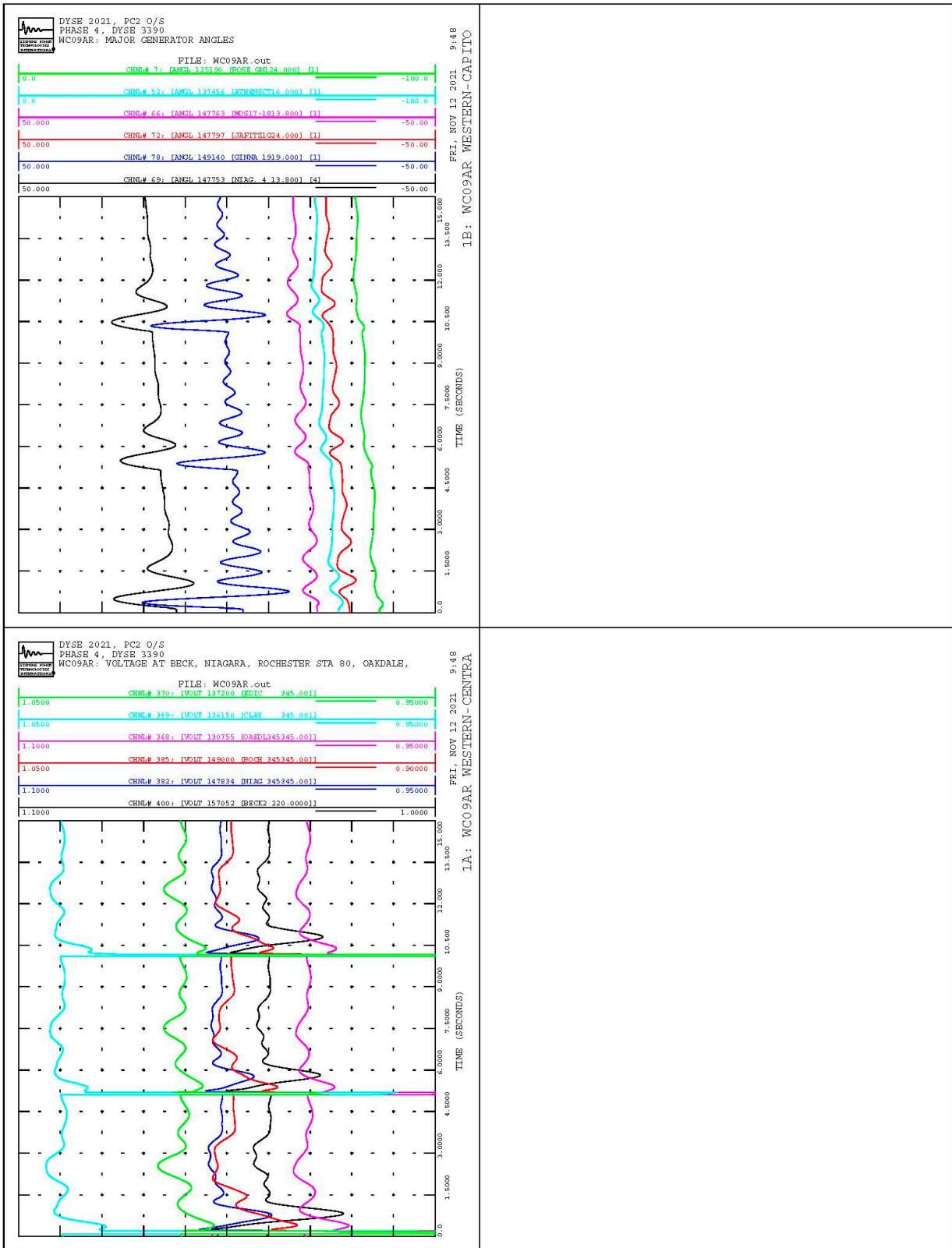
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3336.2	118.1	DYSE-CLOSE	6007.6	-319.8
WEST-CENTRAL	1962.0	-579.6	WESTC-CLOSE	4633.4	-753.2
VOLNEY-EAST	4074.6	244.9	VOLNEY-CLOSE	5957.5	147.5
MOSES-SOUTH	2536.2	-57.5	MOSES-CLOSE	2004.6	216.8
CENTRAL-EAST	2913.3	-847.7	TOTAL-EAST	6875.5	-1610.4
UPNY-SENY	6546.3	-34.2	UPNY-SENY-CL	7855.5	6.5
UPNY-CONED	6662.0	206.6	UPNY-CON-CL	8388.1	67.4
MILLWOOD-SO	7779.5	-425.5	LIPA-IMPORT	2006.3	6.0
DNWDIE-SO-PL	4638.9	-959.3	DNWDIE-SO-PC	6365.0	-1098.5
DNWDIE-SO-OP	3723.4	-710.3	ABC-JK-PAR	-16.6	404.1
SENY-115kV	340.9	-76.5	SENY-F-To-G	3902.6	247.5
PJM-NY	1618.9	-112.0	NE-NY-WCSC	312.3	41.1
ON-NY	3934.2	266.6	ONT-MICH-PAR	417.9	-19.7
CONED-345	2312.8	-870.1	CONED-138	1111.7	-159.7
Y49-Y50	1214.4	70.5	138-POCKET	1955.8	184.7
AST-POCKET	1357.1	102.7	GRNWD-POCKET	806.2	137.2
STAT-POCKET	310.2	-13.0	E13-POCKET	311.2	-9.1
W49-POCKET	1357.0	-462.7	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.0
ON-MAN-MIN	-0.2	-29.4	UPNY-SENY-M	5269.2	53.3
EAST-HOLBRK	576.8	-87.6	NEWBRIDGE-E	-222.9	-123.9
AR-3-BULK-T	1509.7	302.2	AR-4-BULK-T	-736.5	221.5
AR-5-BULK-T	2862.7	332.3	AR-6-BULK-T	1125.9	13.7
AR-7-BULK-T	1553.2	310.2	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6738.6	1201.2	DNWDIE-SO-OC	4358.9	-875.7
I-TO-J	3424.5	-1029.8	CE+FRAS-GILB	3536.7	-1057.4
CE-GROUP	5600.2	-1487.2	HUDSONVALLEY	17847.1	-787.0
SENY-E-TO-G	2097.1	-442.4	UPNY-SENY-MC	6129.4	145.7
NORTH-CTY-EXPORT	285.6	30.1	NORTHERN EXPORT	700.5	-2.4
WESTERN EXPORT	1385.8	274.8			





Angle and Voltage Response for Contingency

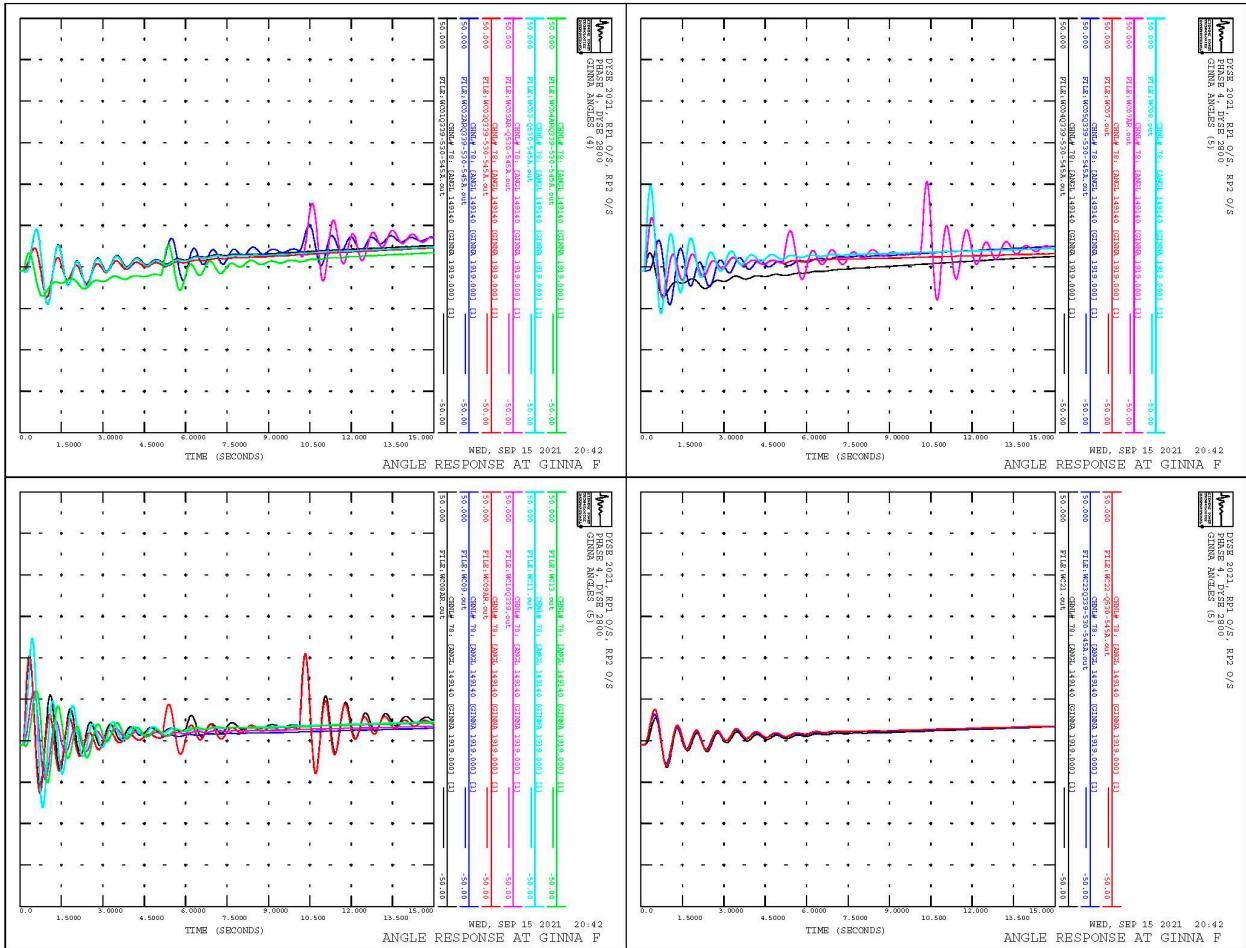


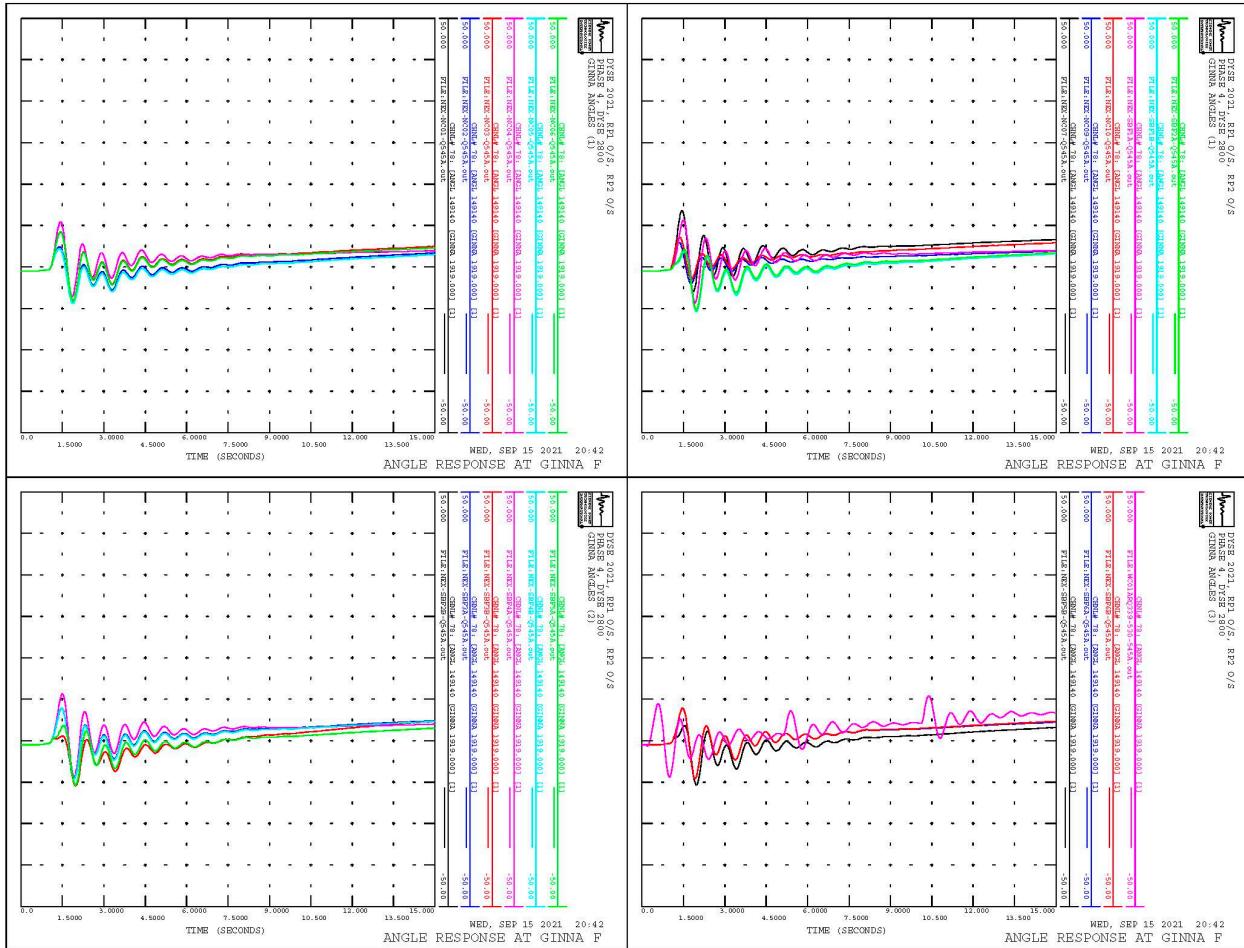
RP1 & RP2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, RP1 O/S, RP2 O/S
PHASE 4, DYSE 2800

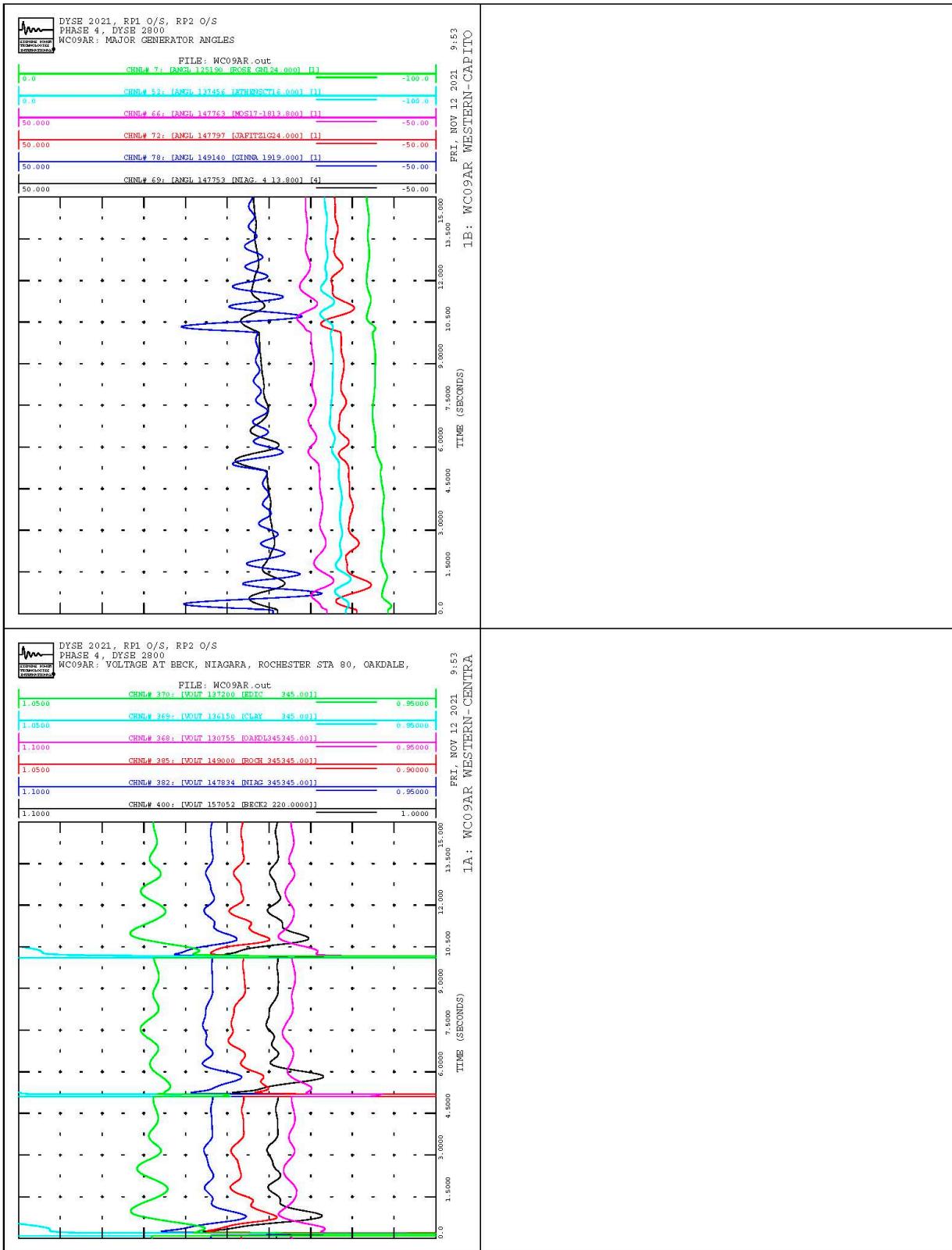
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2804.7	152.1	DYSE-CLOSE	5552.1	-251.5
WEST-CENTRAL	1431.4	-54.9	WESTC-CLOSE	4178.8	-194.1
VOLNEY-EAST	4051.2	245.7	VOLNEY-CLOSE	5948.8	116.1
MOSES-SOUTH	2569.9	-105.1	MOSES-CLOSE	2004.6	194.9
CENTRAL-EAST	2882.1	-771.2	TOTAL-EAST	6875.4	-1521.2
UPNY-SENY	6560.3	-10.7	UPNY-SENY-CL	7856.3	27.3
UPNY-CONED	6667.4	211.3	UPNY-CON-CL	8389.1	70.0
MILLWOOD-SO	7780.5	-423.4	LIPA-IMPORT	2006.3	6.6
DNWDIE-SO-PL	4644.1	-955.4	DNWDIE-SO-PC	6365.8	-1096.7
DNWDIE-SO-OP	3727.9	-706.9	ABC-JK-PAR	-28.2	400.9
SENY-115kV	340.4	-75.8	SENY-F-To-G	3905.7	258.4
PJM-NY	1785.9	-82.6	NE-NY-WCSC	312.6	32.8
ON-NY	3962.4	124.4	ONT-MICH-PAR	390.1	-29.2
CONED-345	2317.2	-866.9	CONED-138	1111.8	-159.7
Y49-Y50	1215.1	71.2	138-POCKET	1954.9	185.2
AST-POCKET	1357.5	102.6	GRNWD-POCKET	806.5	137.3
STAT-POCKET	310.2	-13.1	E13-POCKET	311.2	-8.8
W49-POCKET	1357.1	-461.6	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	-0.7	-29.0	UPNY-SENY-M	5278.6	70.7
EAST-HOLBRK	576.8	-87.7	NEWBRIDGE-E	-222.3	-123.6
AR-3-BULK-T	1328.1	385.5	AR-4-BULK-T	-768.8	254.5
AR-5-BULK-T	2871.6	322.6	AR-6-BULK-T	1123.1	34.0
AR-7-BULK-T	1553.6	309.9	AR-8-BULK-T	423.8	21.2
AR-3-TO-8-T	6531.4	1327.7	DNWDIE-SO-OC	4359.7	-874.4
I-TO-J	3429.0	-1026.6	CE+FRAS-GILB	3535.6	-979.2
CE-GROUP	5615.0	-1391.8	HUDSONVALLEY	17871.8	-754.8
SENY-E-TO-G	2113.5	-424.6	UPNY-SENY-MC	6134.6	168.6
NORTH-CTY-EXPORT	285.5	30.5	NORTHERN EXPORT	700.7	-1.9
WESTERN EXPORT	1934.1	201.0			





Angle and Voltage Response for Contingency



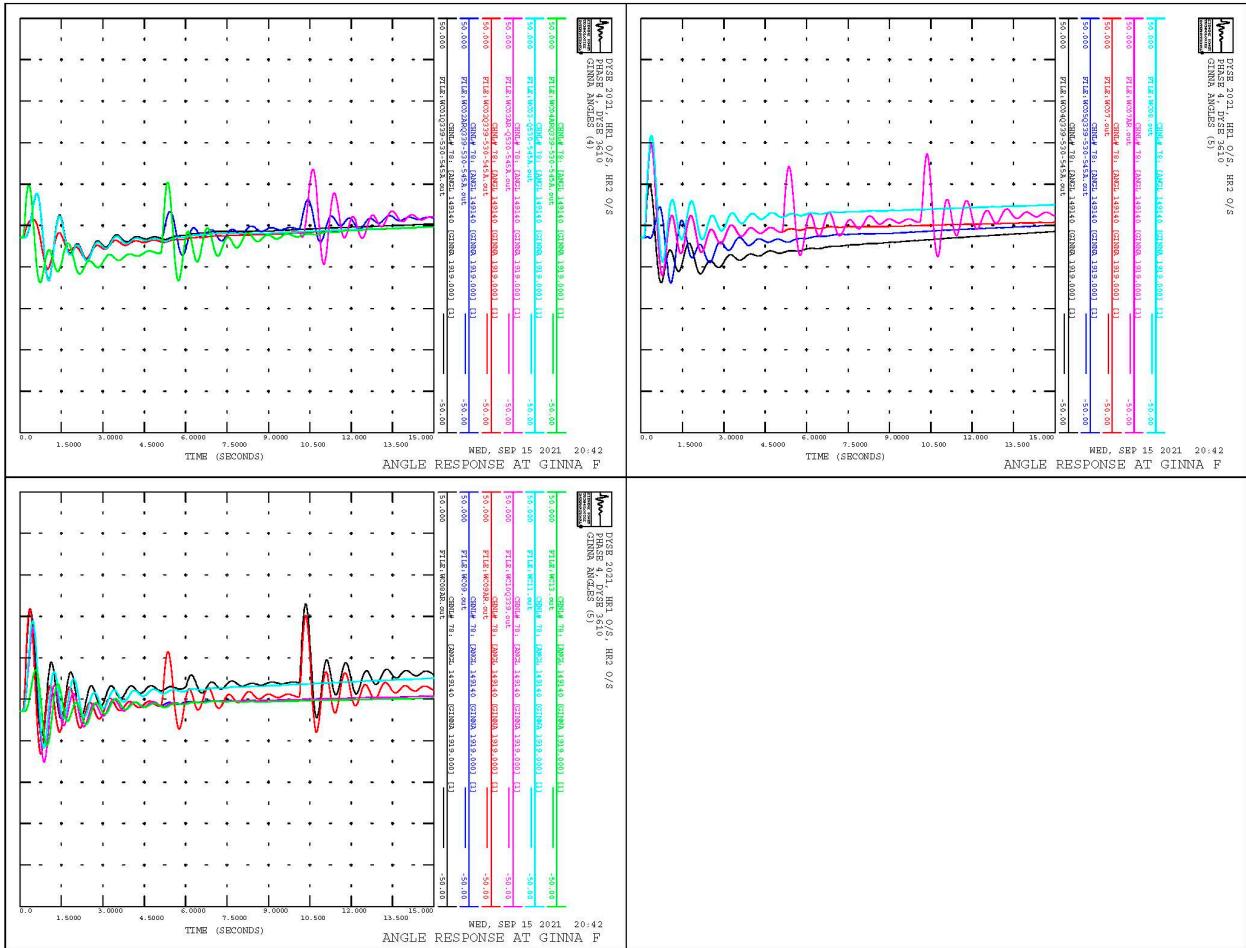
HR1 & HR2 Out-of-Service

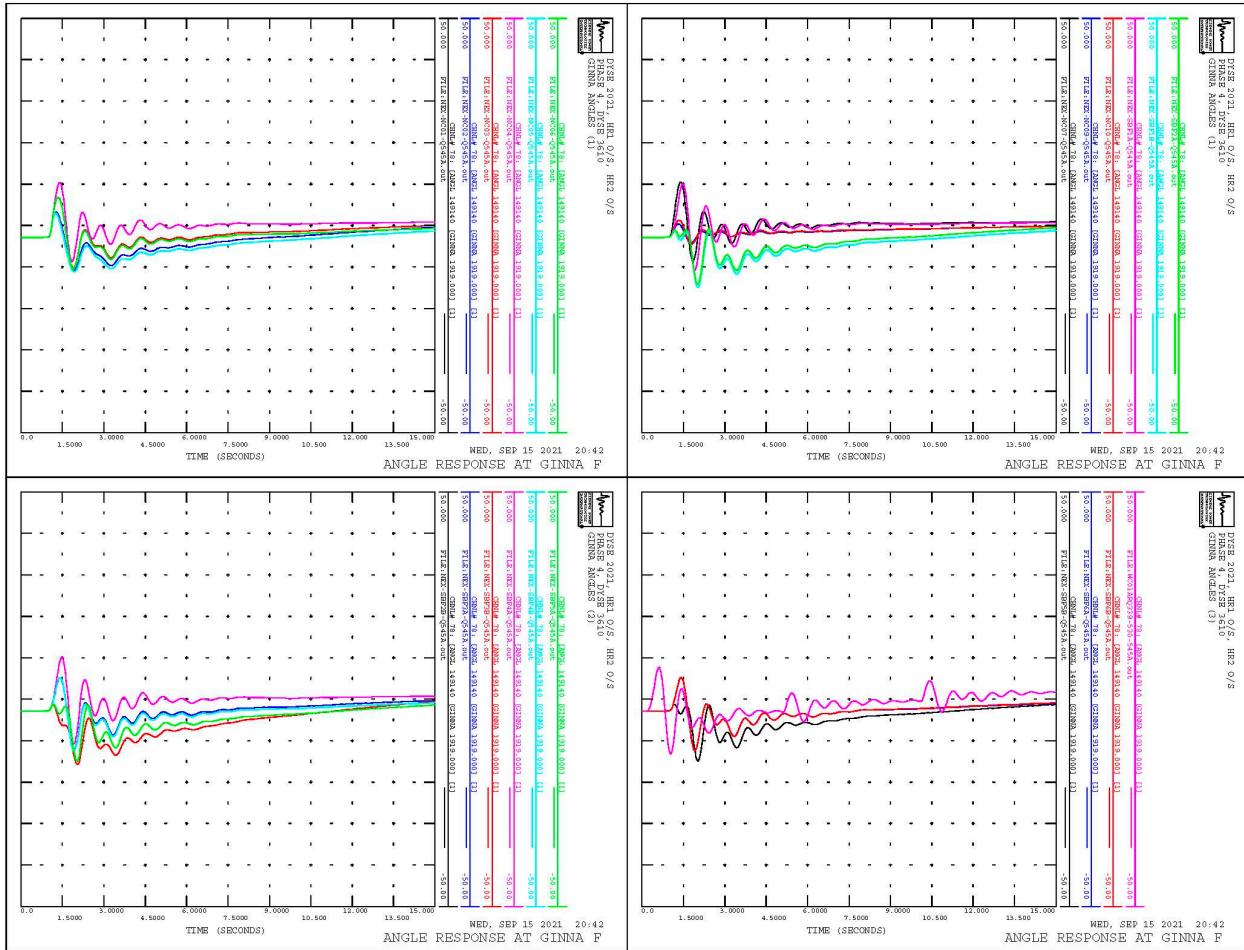
Interface Flow Report

CASE :DYSE 2021, HR1 O/S, HR2 O/S
PHASE 4, DYSE 3610

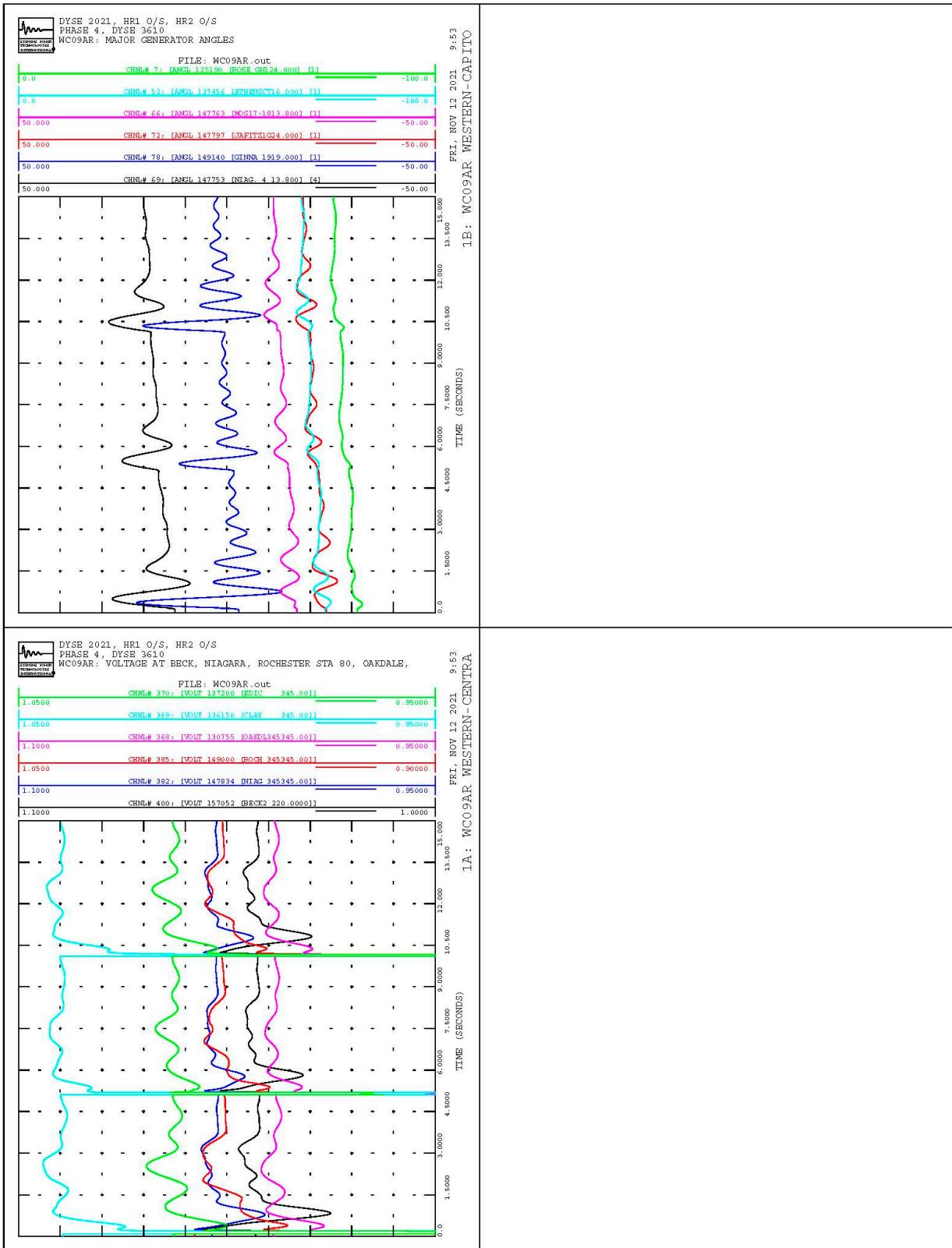
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3609.3	76.5	DYSE-CLOSE	6061.6	-266.7
WEST-CENTRAL	2230.5	-497.0	WESTC-CLOSE	4687.7	-575.8
VOLNEY-EAST	4103.6	214.6	VOLNEY-CLOSE	5956.0	134.1
MOSES-SOUTH	2513.4	-86.1	MOSES-CLOSE	2004.7	171.5
CENTRAL-EAST	2905.5	-825.6	TOTAL-EAST	6875.9	-1570.5
UPNY-SENY	6549.7	-0.4	UPNY-SENY-CL	7856.2	39.5
UPNY-CONED	6664.1	217.2	UPNY-CON-CL	8388.7	79.6
MILLWOOD-SO	7780.0	-412.2	LIPA-IMPORT	2006.3	15.6
DNWDIE-SO-PL	4640.8	-947.3	DNWDIE-SO-PC	6365.4	-1084.9
DNWDIE-SO-OP	3724.5	-708.5	ABC-JK-PAR	-18.4	404.1
SENY-115kV	341.7	-73.7	SENY-F-To-G	3905.7	266.6
PJM-NY	1641.4	-64.5	NE-NY-WCSC	312.4	21.2
ON-NY	3914.9	250.5	ONT-MICH-PAR	438.3	-8.4
CONED-345	2313.8	-870.4	CONED-138	1111.9	-159.0
Y49-Y50	1215.0	82.1	138-POCKET	1955.5	186.2
AST-POCKET	1357.1	106.5	GRNWD-POCKET	806.4	137.9
STAT-POCKET	310.2	-12.6	E13-POCKET	311.2	-8.8
W49-POCKET	1357.1	-464.8	EVIEW-POCKET	546.9	405.2
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.2
ON-MAN-MIN	-0.9	-30.1	UPNY-SENY-M	5273.0	79.2
EAST-HOLBRK	576.8	-87.8	NEWBRIDGE-E	-222.0	-119.7
AR-3-BULK-T	1403.8	359.5	AR-4-BULK-T	-723.0	222.5
AR-5-BULK-T	2843.7	333.4	AR-6-BULK-T	1127.4	8.4
AR-7-BULK-T	1552.4	319.3	AR-8-BULK-T	423.5	20.9
AR-3-TO-8-T	6627.7	1263.9	DNWDIE-SO-OC	4359.3	-871.6
I-TO-J	3425.8	-1029.4	CE+FRAS-GILB	3537.0	-1033.9
CE-GROUP	5605.0	-1447.0	HUDSONVALLEY	17854.6	-730.5
SENY-E-TO-G	2101.7	-425.4	UPNY-SENY-MC	6131.6	177.1
NORTH-CTY-EXPORT	285.6	23.7	NORTHERN EXPORT	700.4	-27.4
WESTERN EXPORT	1970.1	192.8			





Angle and Voltage Response for Contingency



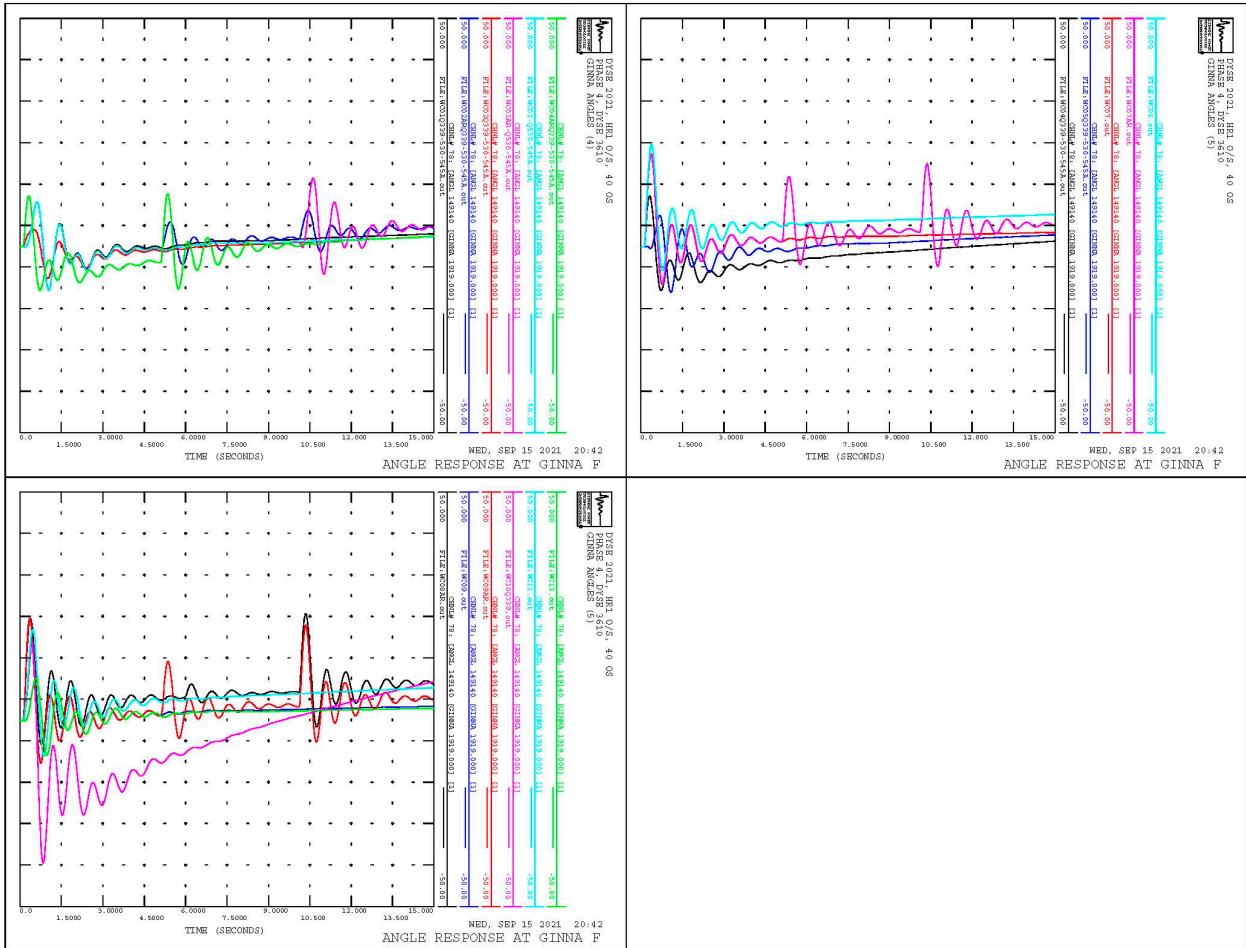
HR1 & 40 Out-of-Service

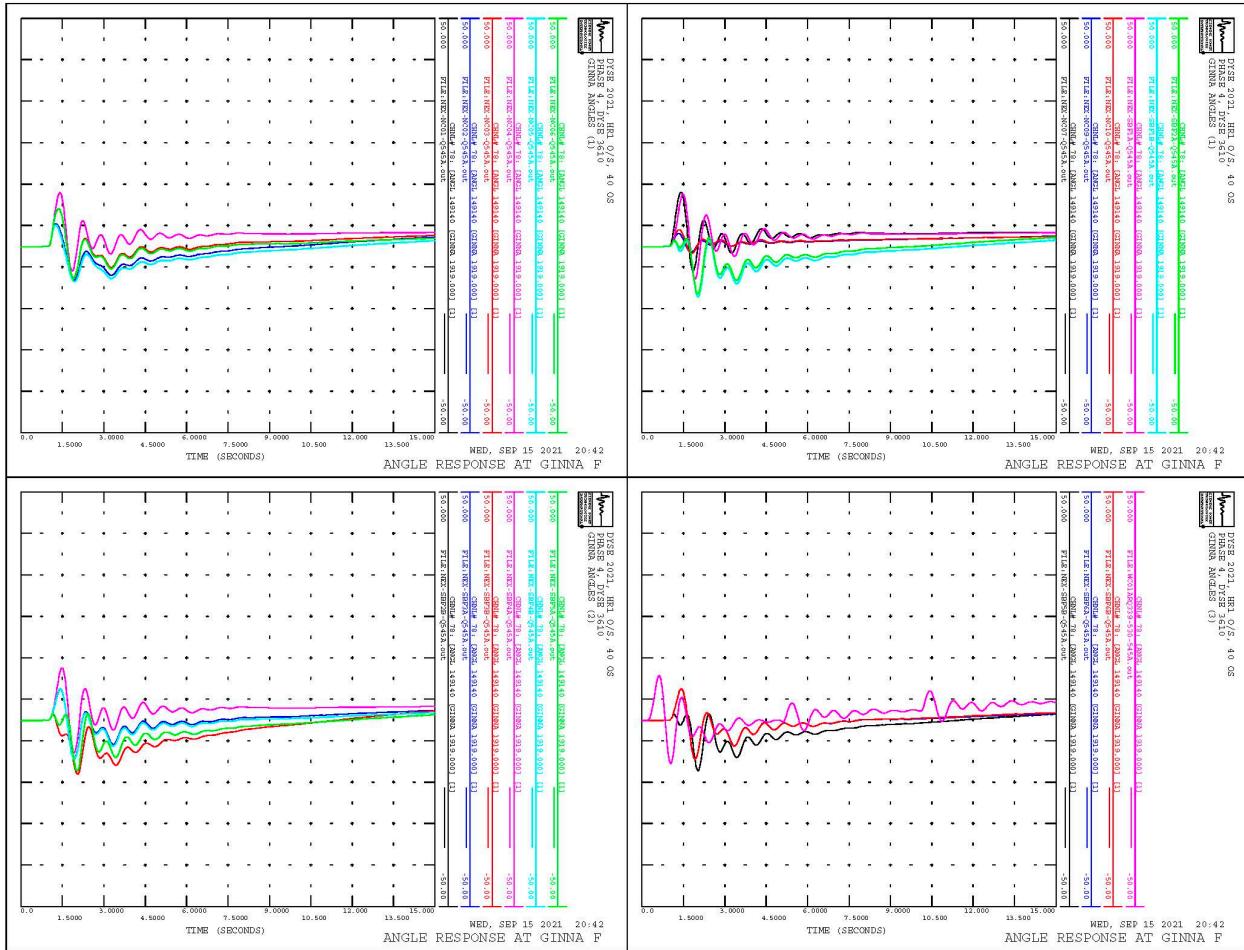
Interface Flow Report

CASE :DYSE 2021, HR1 O/S, 40 OS
 PHASE 4, DYSE 3610

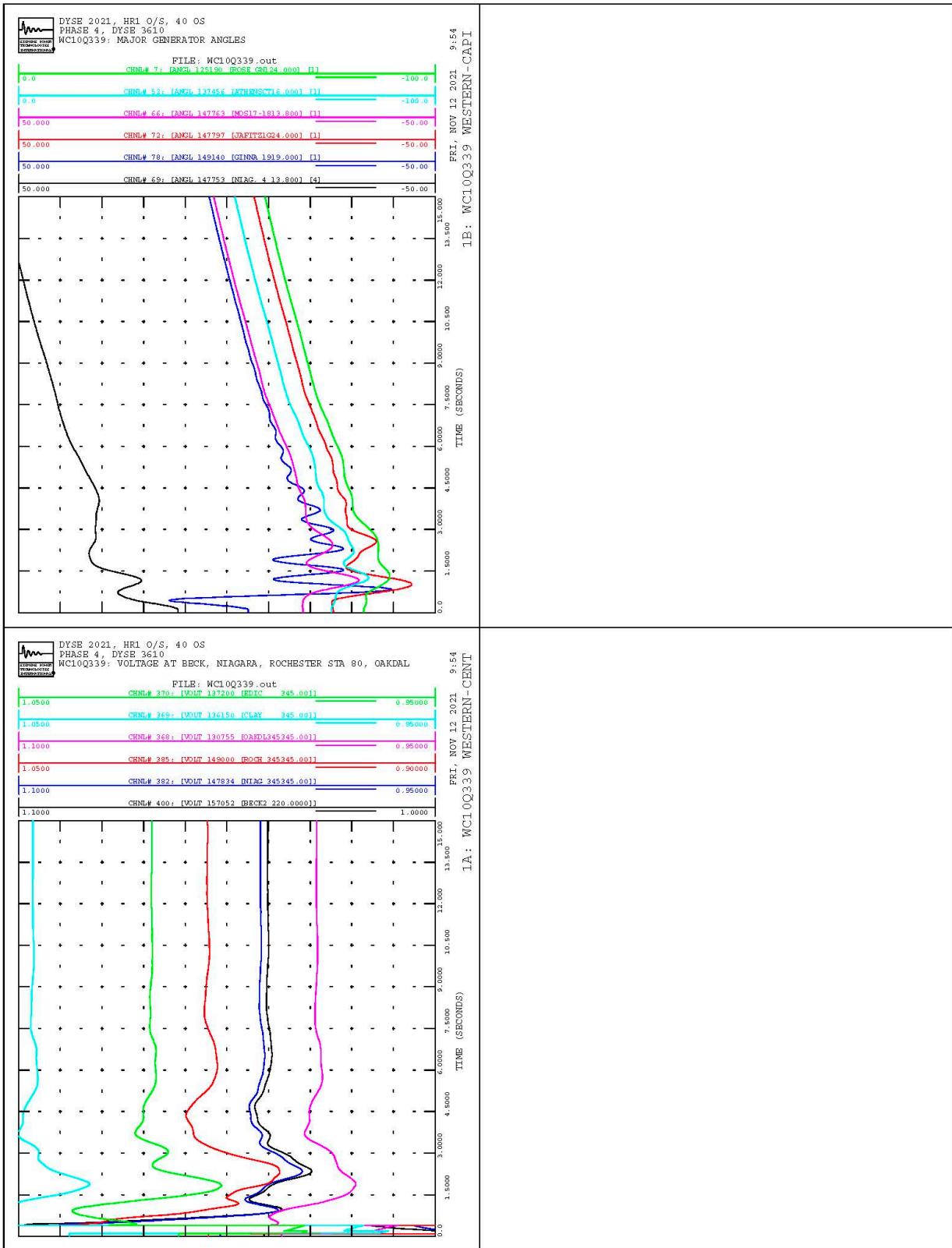
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3615.8	105.0	DYSE-CLOSE	6110.0	-242.4
WEST-CENTRAL	2242.7	-521.2	WESTC-CLOSE	4736.9	-604.3
VOLNEY-EAST	4099.8	204.3	VOLNEY-CLOSE	5956.4	116.7
MOSES-SOUTH	2521.4	-81.7	MOSES-CLOSE	2004.6	183.0
CENTRAL-EAST	2906.7	-830.4	TOTAL-EAST	6875.8	-1586.6
UPNY-SENY	6549.5	-7.1	UPNY-SENY-CL	7855.9	33.1
UPNY-CONED	6663.0	215.9	UPNY-CON-CL	8388.3	77.3
MILLWOOD-SO	7779.7	-415.4	LIPA-IMPORT	2006.3	15.0
DNWDIE-SO-PL	4639.8	-949.6	DNWDIE-SO-PC	6365.1	-1088.2
DNWDIE-SO-OP	3724.8	-710.5	ABC-JK-PAR	-19.6	404.3
SENY-115kV	341.9	-74.0	SENY-F-To-G	3908.5	265.8
PJM-NY	1680.3	-60.6	NE-NY-WCSC	312.4	23.4
ON-NY	3924.4	257.0	ONT-MICH-PAR	426.9	-7.7
CONED-345	2314.4	-872.1	CONED-138	1111.5	-159.2
Y49-Y50	1213.9	81.6	138-POCKET	1955.5	185.6
AST-POCKET	1357.0	106.0	GRNWD-POCKET	806.4	137.8
STAT-POCKET	310.2	-12.7	E13-POCKET	311.2	-9.0
W49-POCKET	1357.1	-465.3	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.2
ON-MAN-MIN	0.2	-30.1	UPNY-SENY-M	5276.7	76.0
EAST-HOLBRK	576.8	-87.8	NEWBRIDGE-E	-223.0	-119.7
AR-3-BULK-T	1398.6	359.6	AR-4-BULK-T	-727.2	220.2
AR-5-BULK-T	2848.4	332.6	AR-6-BULK-T	1126.4	7.1
AR-7-BULK-T	1552.2	319.1	AR-8-BULK-T	423.5	20.9
AR-3-TO-8-T	6622.0	1259.5	DNWDIE-SO-OC	4359.1	-874.5
I-TO-J	3425.9	-1031.3	CE+FRAS-GILB	3541.6	-1043.6
CE-GROUP	5610.9	-1463.0	HUDSONVALLEY	17852.3	-740.9
SENY-E-TO-G	2103.0	-431.8	UPNY-SENY-MC	6130.6	171.6
NORTH-CTY-EXPORT	285.6	25.6	NORTHERN EXPORT	700.5	-19.8
WESTERN EXPORT	1993.1	200.2			





Angle and Voltage Response for Contingency



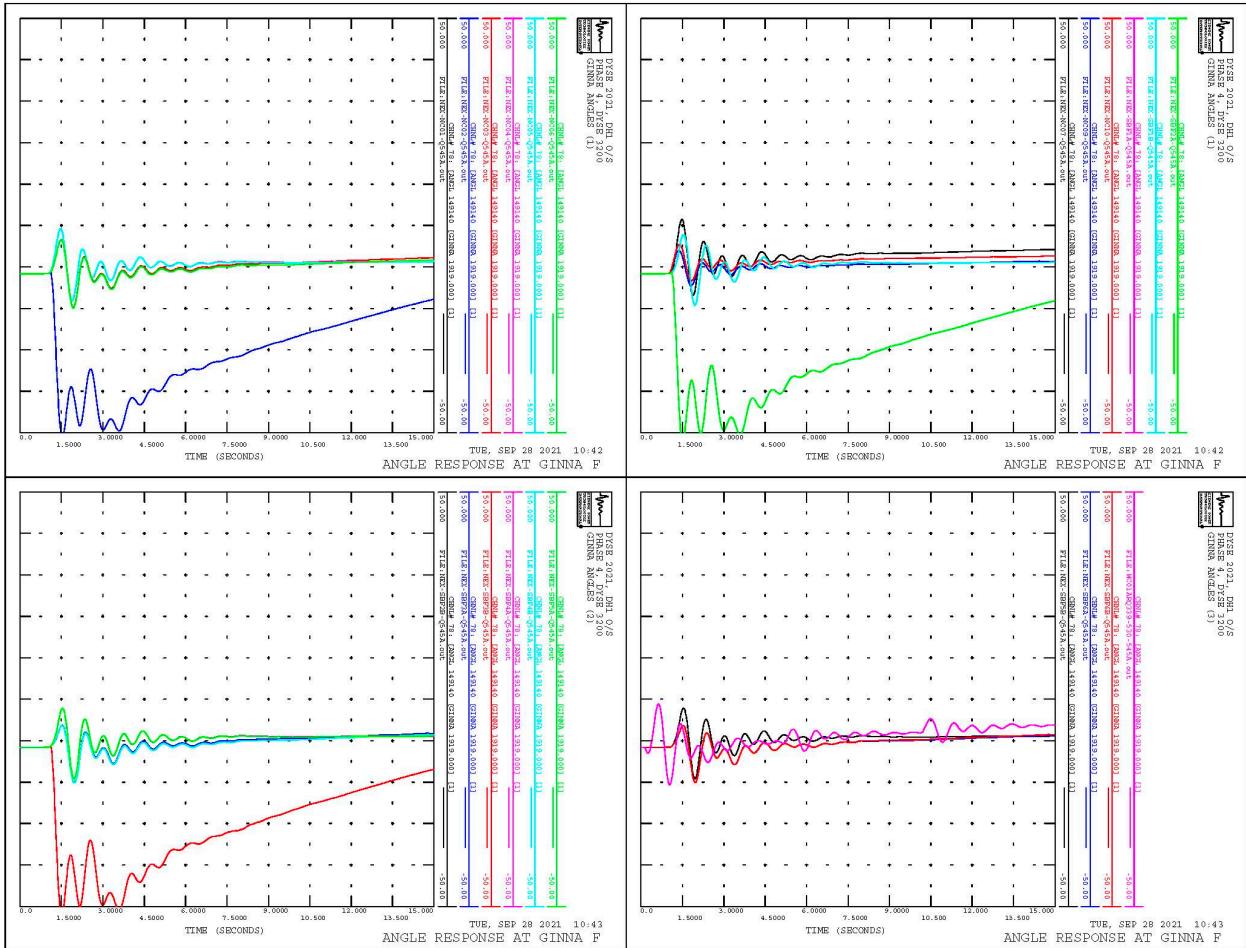
L39 & DH1 Out-of-Service

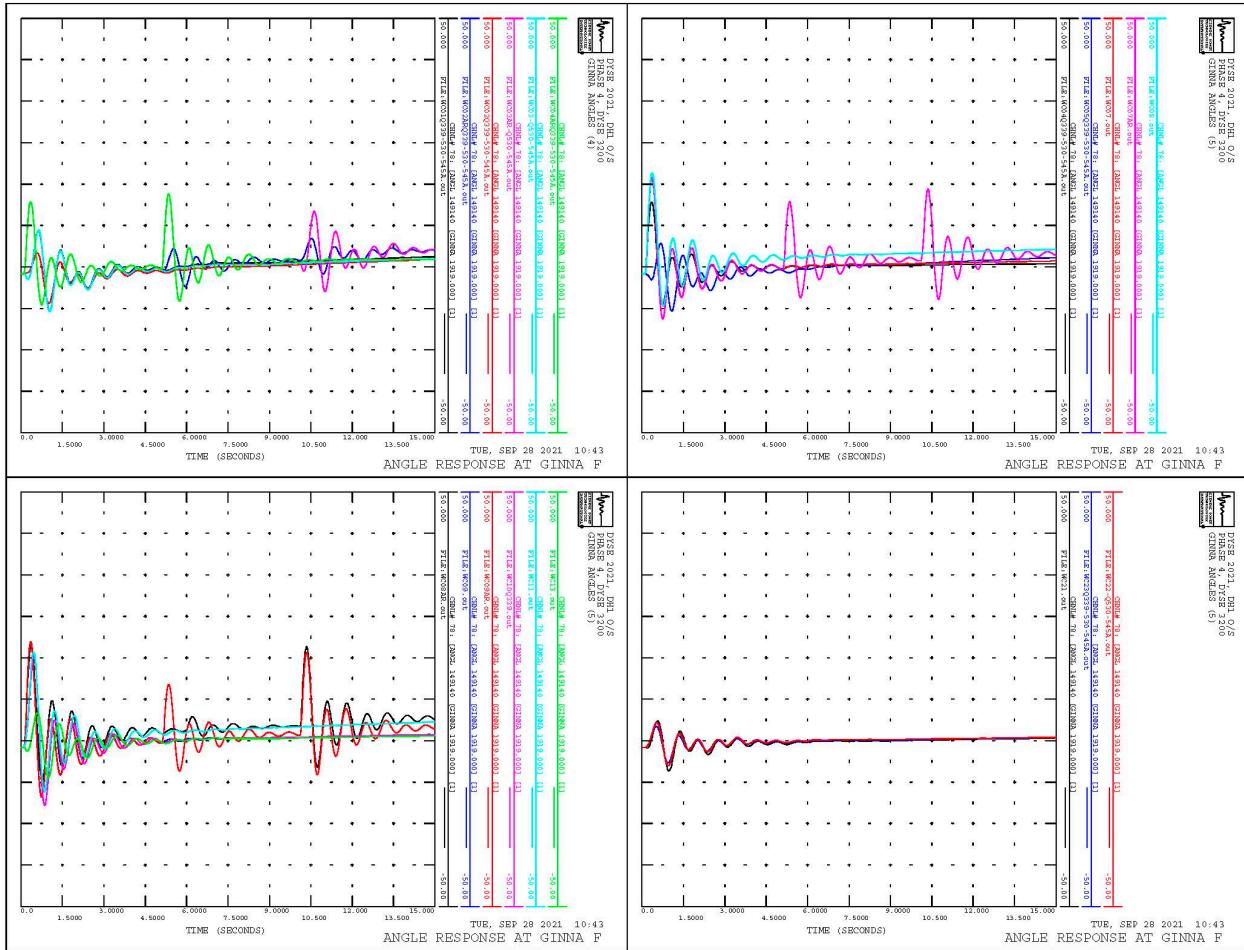
Interface Flow Report

CASE : DYSE 2021, DH1 O/S
 PHASE 4, DYSE 3200

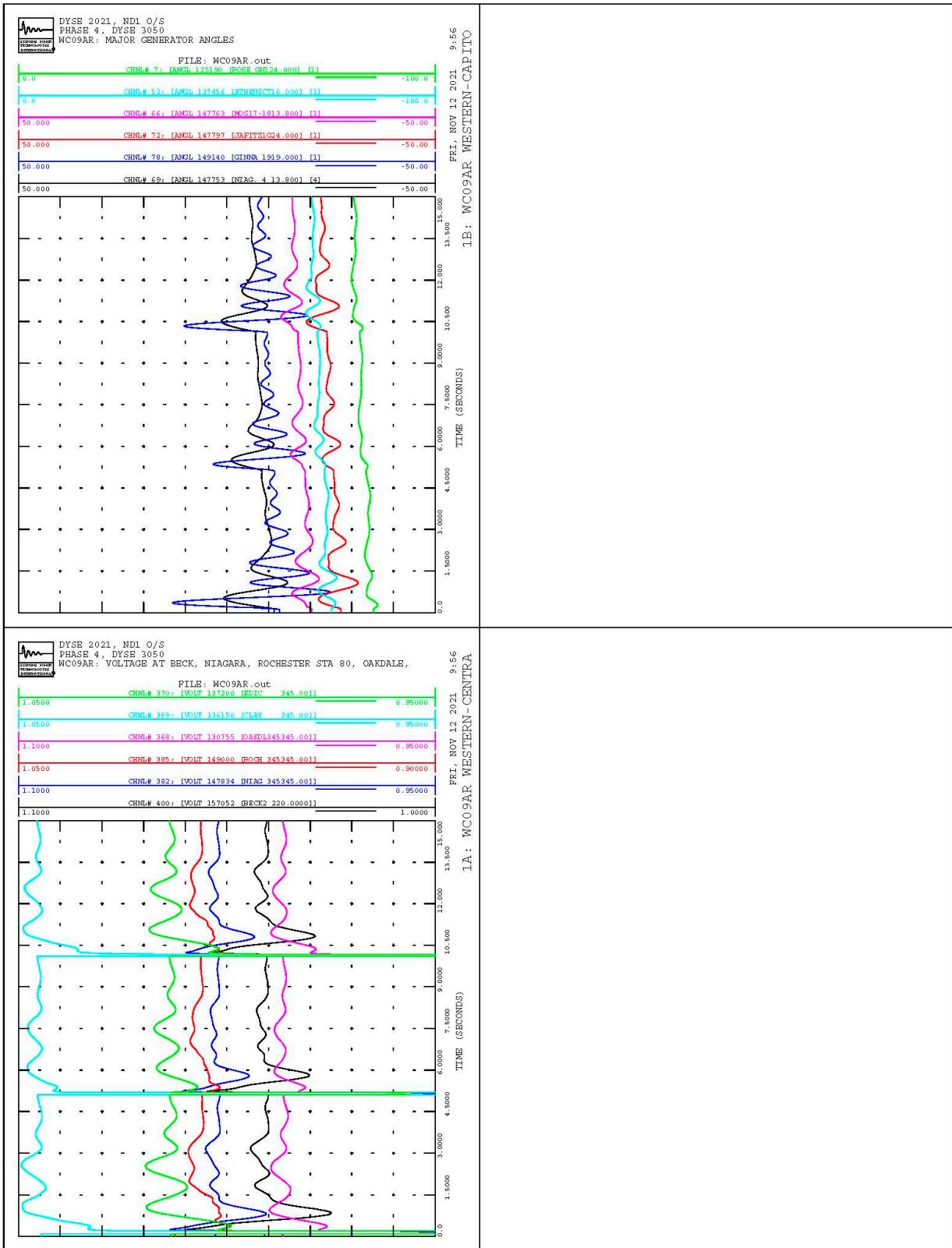
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	3200.4	243.6	DYSE-CLOSE	5821.5	-135.7
WEST-CENTRAL	1827.5	-429.8	WESTC-CLOSE	4448.5	-544.8
VOLNEY-EAST	4055.1	207.0	VOLNEY-CLOSE	5958.1	96.2
MOSES-SOUTH	2550.2	-74.2	MOSES-CLOSE	2004.6	210.7
CENTRAL-EAST	2893.0	-817.2	TOTAL-EAST	6880.6	-1584.7
UPNY-SENY	6541.2	-29.9	UPNY-SENY-CL	7855.9	9.3
UPNY-CONED	6661.3	206.7	UPNY-CON-CL	8388.6	66.8
MILLWOOD-SO	7780.0	-424.4	LIPA-IMPORT	2006.3	6.1
DNWDIE-SO-PL	4638.2	-956.9	DNWDIE-SO-PC	6365.4	-1096.8
DNWDIE-SO-OP	3722.1	-707.9	ABC-JK-PAR	-10.9	402.7
SENY-115kV	340.3	-76.1	SENY-F-To-G	3896.8	248.7
PJM-NY	1627.6	-37.5	NE-NY-WCSC	312.5	36.6
ON-NY	3929.3	239.8	ONT-MICH-PAR	420.8	-5.9
CONED-345	2311.8	-867.9	CONED-138	1111.8	-159.6
Y49-Y50	1214.6	70.7	138-POCKET	1956.0	184.9
AST-POCKET	1357.4	102.9	GRNWD-POCKET	806.2	137.2
STAT-POCKET	310.2	-13.0	E13-POCKET	311.2	-9.0
W49-POCKET	1357.1	-461.5	EVIEW-POCKET	546.9	405.1
DUNSO-POCKET	303.7	99.0	DUNNO-POCKET	0.2	-67.1
ON-MAN-MIN	0.3	-29.4	UPNY-SENY-M	5262.1	57.4
EAST-HOLBRK	576.8	-87.6	NEWBRIDGE-E	-222.4	-123.8
AR-3-BULK-T	1442.0	339.3	AR-4-BULK-T	-748.8	230.6
AR-5-BULK-T	2861.8	319.7	AR-6-BULK-T	1123.9	19.8
AR-7-BULK-T	1553.3	315.1	AR-8-BULK-T	423.9	21.2
AR-3-TO-8-T	6656.1	1245.6	DNWDIE-SO-OC	4359.4	-874.0
I-TO-J	3423.5	-1027.5	CE+FRAS-GILB	3533.2	-1033.4
CE-GROUP	5597.9	-1458.5	HUDSONVALLEY	17840.7	-780.1
SENY-E-TO-G	2098.4	-437.7	UPNY-SENY-MC	6128.6	149.2
NORTH-CTY-EXPORT	285.6	30.4	NORTHERN EXPORT	700.6	-0.9
WESTERN EXPORT	2024.9	250.4			





Angle and Voltage Response for Contingency

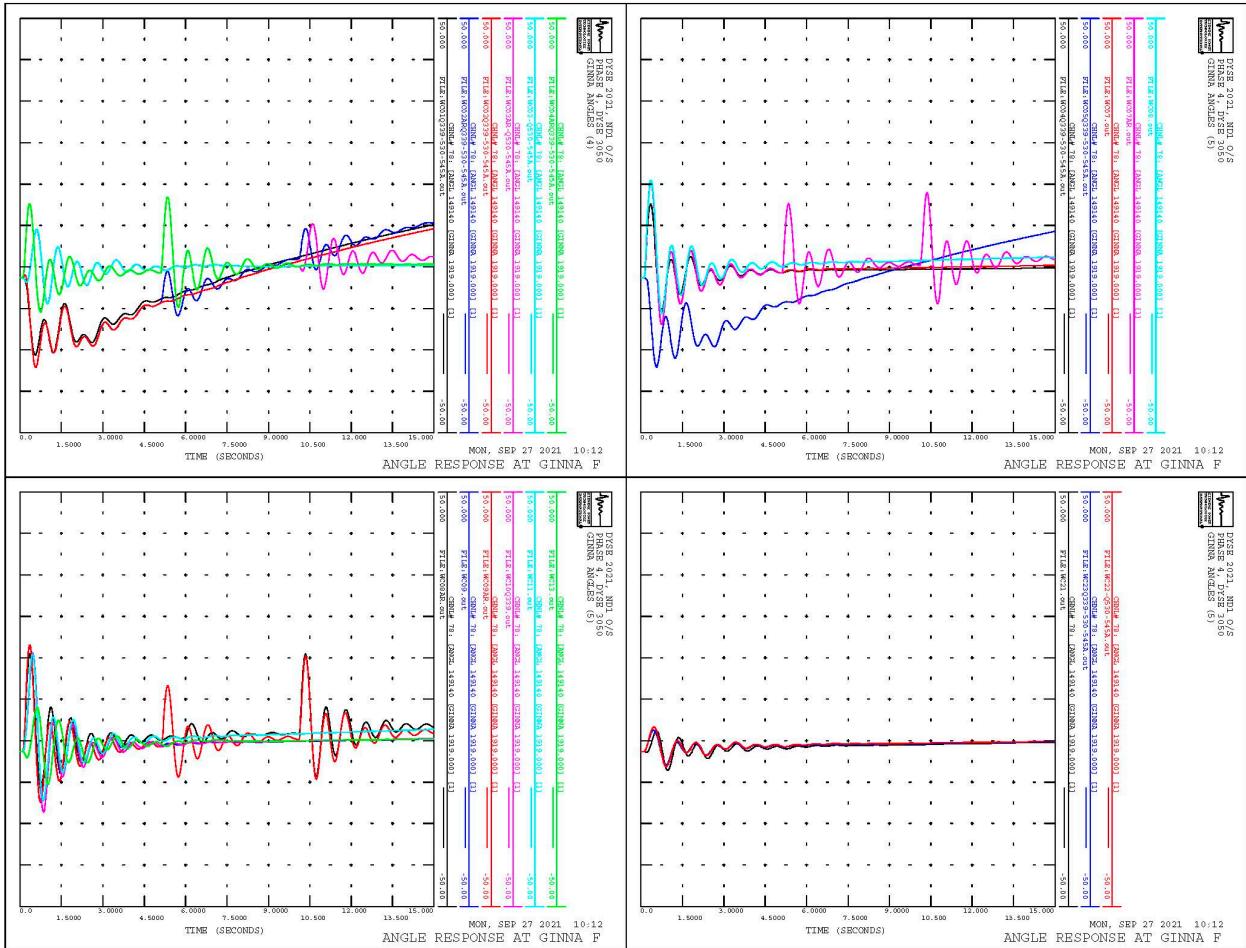


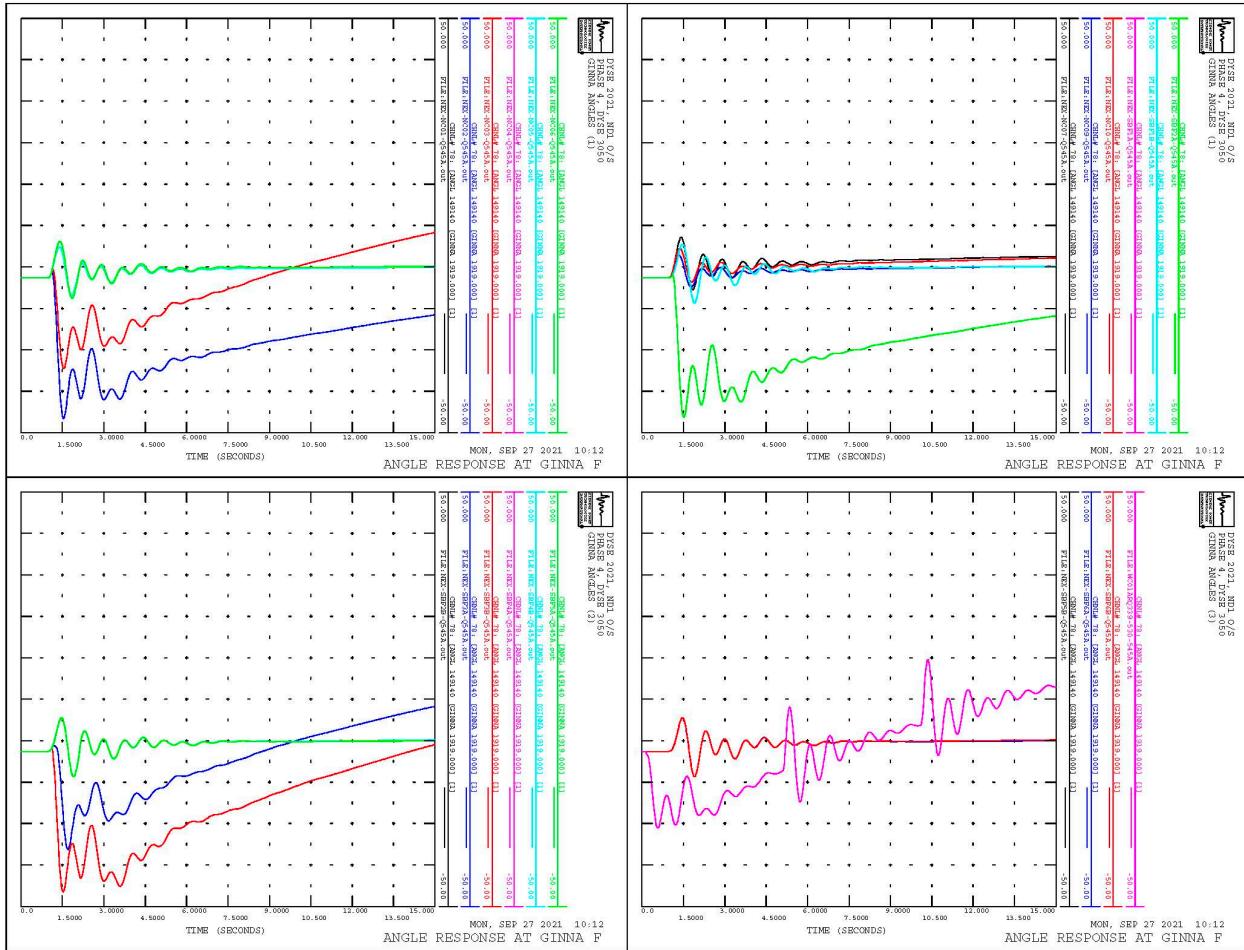
ND1 & DH1 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, ND1 & DH1 O/S
PHASE 4, DYSE 2850

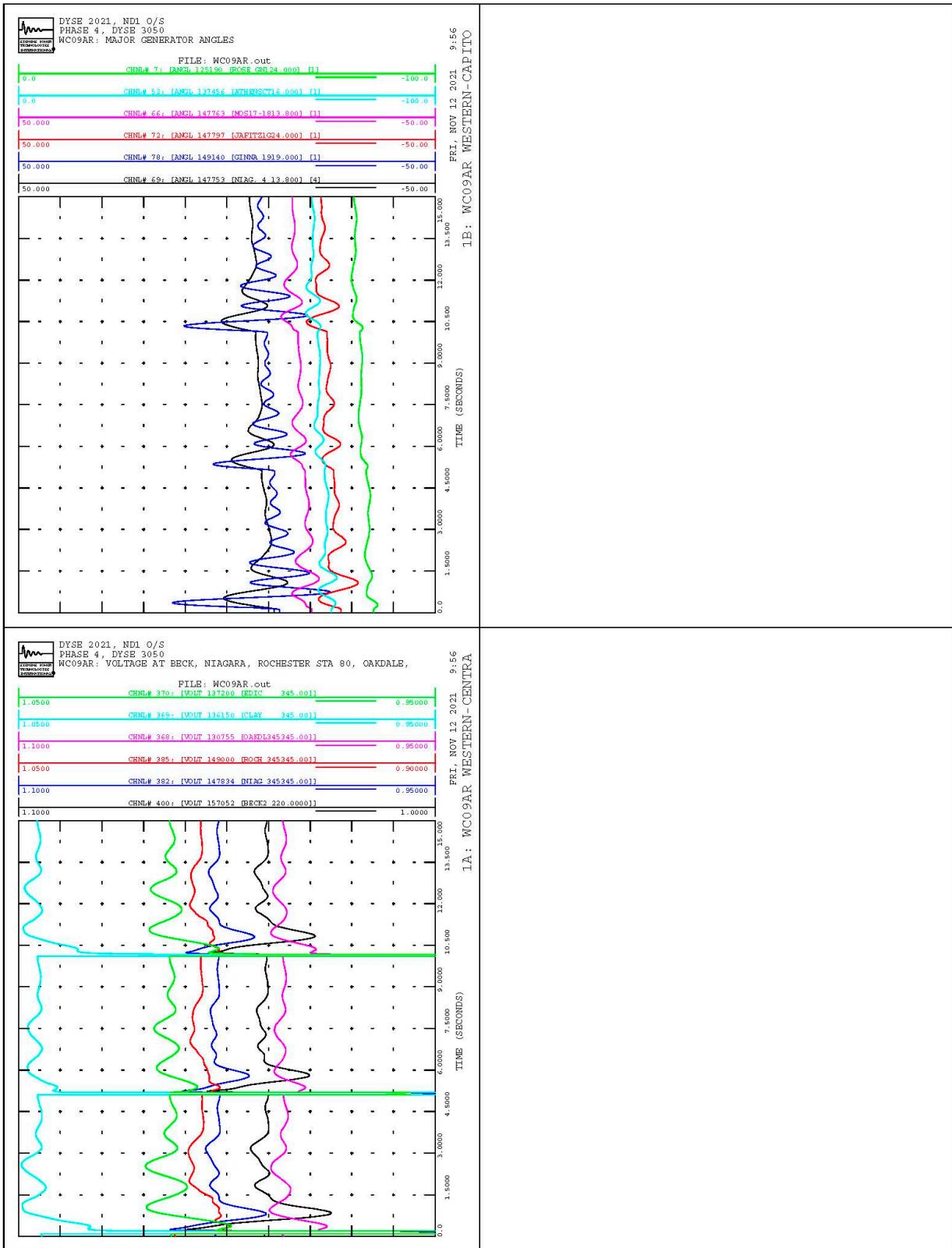
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2847.5	-23.6	DYSE-CLOSE	5427.2	-392.9
WEST-CENTRAL	1526.1	-294.9	WESTC-CLOSE	4105.8	-399.9
VOLNEY-EAST	4078.0	238.3	VOLNEY-CLOSE	5953.1	137.3
MOSES-SOUTH	2540.6	-83.3	MOSES-CLOSE	2004.6	194.3
CENTRAL-EAST	2900.3	-804.8	TOTAL-EAST	6875.8	-1557.5
UPNY-SENY	6554.7	-19.9	UPNY-SENY-CL	7856.0	20.5
UPNY-CONED	6664.8	214.9	UPNY-CON-CL	8388.4	75.5
MILLWOOD-SO	7779.7	-418.4	LIPA-IMPORT	2006.3	14.3
DNWDIE-SO-PL	4641.7	-952.5	DNWDIE-SO-PC	6365.3	-1092.0
DNWDIE-SO-OP	3726.1	-712.7	ABC-JK-PAR	-23.9	404.0
SENY-115kV	340.0	-78.0	SENY-F-To-G	3905.3	253.5
PJM-NY	1617.9	-35.8	NE-NY-WCSC	312.4	39.5
ON-NY	3885.2	225.5	ONT-MICH-PAR	416.5	-4.5
CONED-345	2315.6	-873.1	CONED-138	1111.7	-160.3
Y49-Y50	1214.4	80.9	138-POCKET	1955.4	184.5
AST-POCKET	1358.2	102.0	GRNWD-POCKET	806.4	137.2
STAT-POCKET	310.2	-13.1	E13-POCKET	310.5	-9.5
W49-POCKET	1356.3	-462.8	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.2	-66.9
ON-MAN-MIN	-0.1	-28.8	UPNY-SENY-M	5275.6	62.3
EAST-HOLBRK	576.8	-88.4	NEWBRIDGE-E	-222.6	-120.4
AR-3-BULK-T	1494.7	355.4	AR-4-BULK-T	-743.6	236.1
AR-5-BULK-T	2861.7	328.4	AR-6-BULK-T	1125.1	28.5
AR-7-BULK-T	1554.0	309.3	AR-8-BULK-T	423.9	21.2
AR-3-TO-8-T	6715.8	1278.9	DNWDIE-SO-OC	4359.2	-877.6
I-TO-J	3427.3	-1033.4	CE+FRAS-GILB	3538.0	-1013.0
CE-GROUP	5611.3	-1432.5	HUDSONVALLEY	17861.1	-757.5
SENY-E-TO-G	2106.6	-433.3	UPNY-SENY-MC	6132.4	160.0
NORTH-CTY-EXPORT	285.6	27.1	NORTHERN EXPORT	700.6	-8.8
WESTERN EXPORT	2061.0	240.0			





Angle and Voltage Response for Contingency

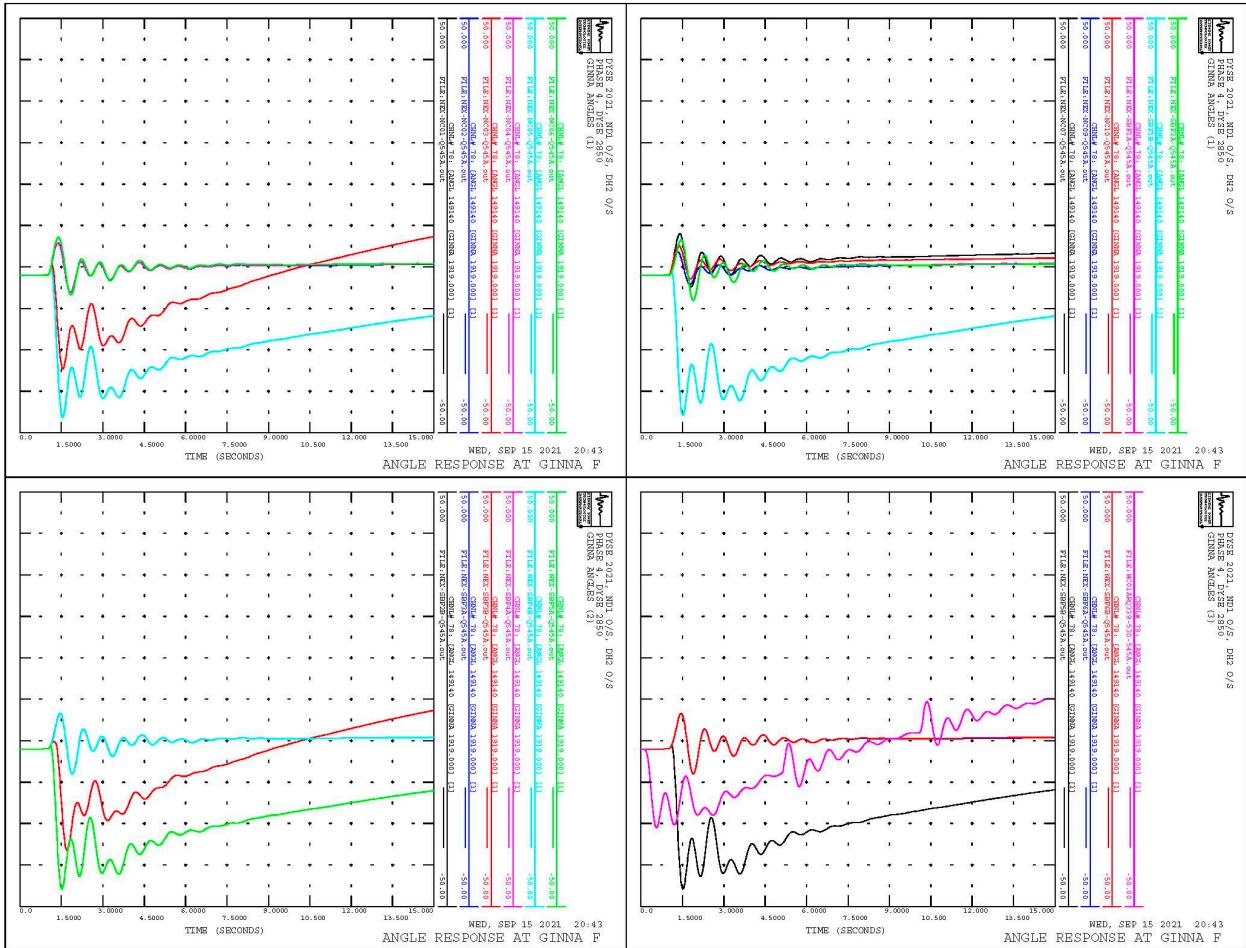


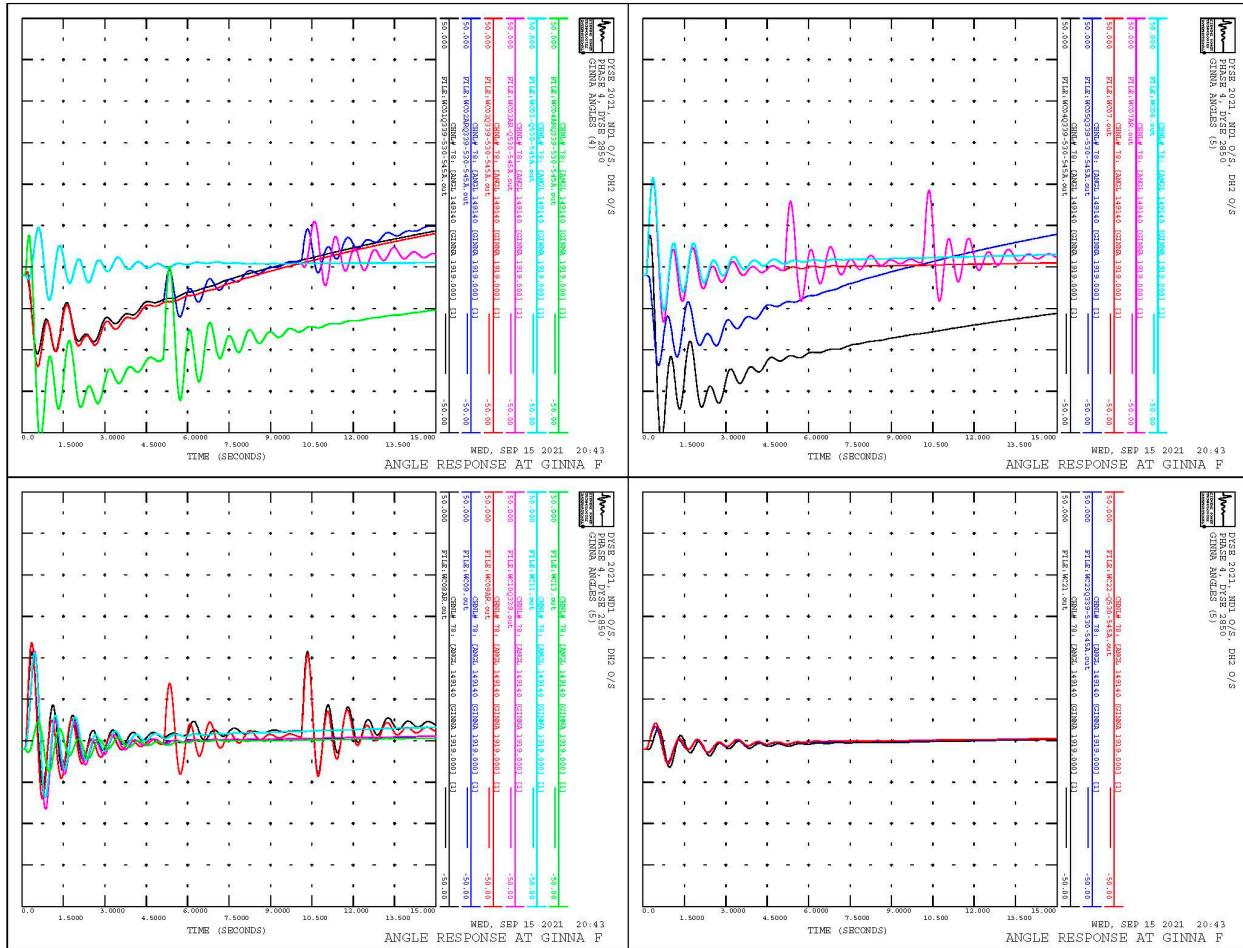
ND1 & DH2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, ND1 O/S, DH2 O/S
PHASE 4, DYSE 2850

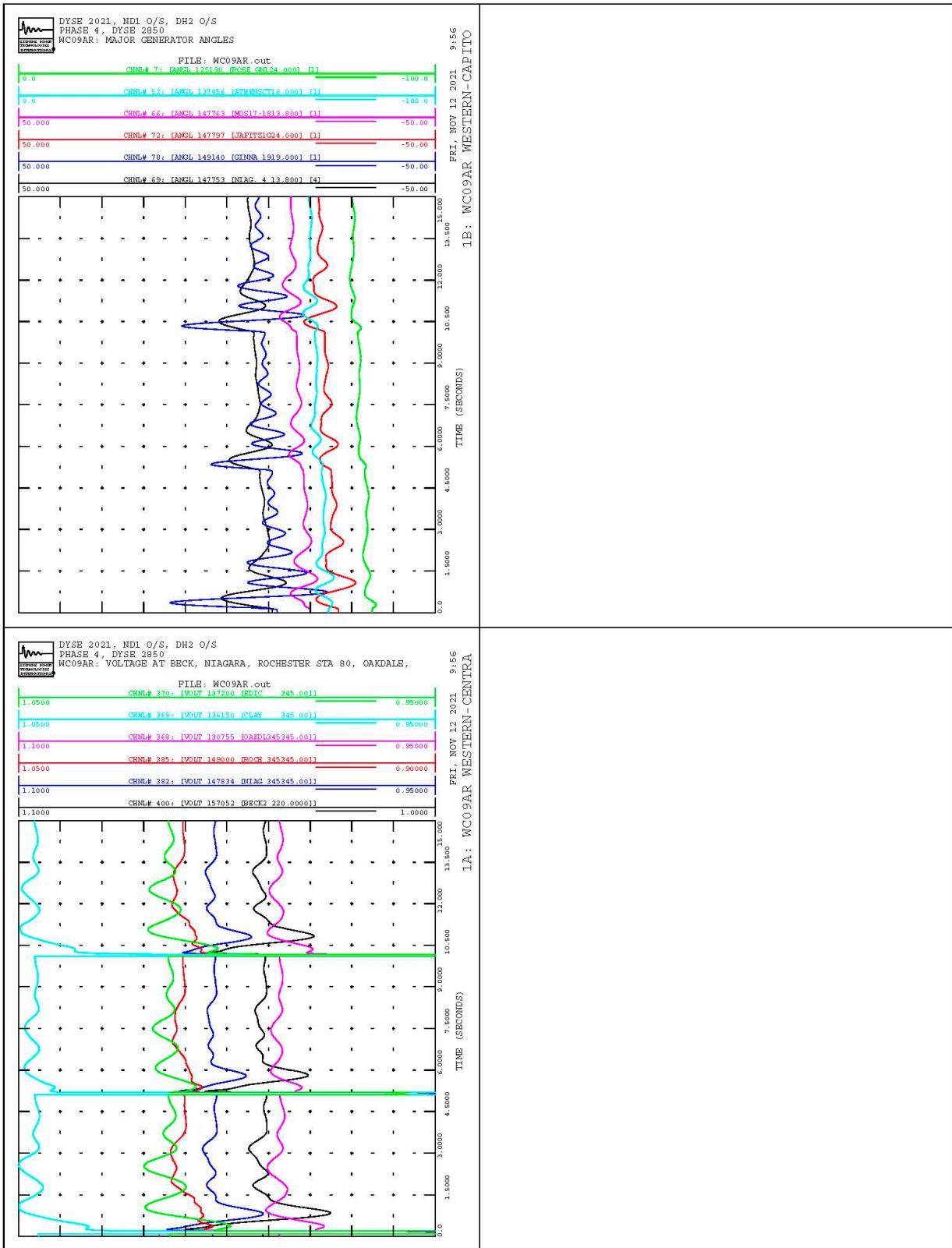
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2850.5	-33.6	DYSE-CLOSE	5411.2	-399.4
WEST-CENTRAL	1529.3	-272.3	WESTC-CLOSE	4090.0	-373.8
VOLNEY-EAST	4093.1	243.7	VOLNEY-CLOSE	5955.9	148.5
MOSES-SOUTH	2531.8	-84.6	MOSES-CLOSE	2004.7	187.7
CENTRAL-EAST	2904.2	-802.8	TOTAL-EAST	6876.7	-1553.0
UPNY-SENY	6555.1	-19.1	UPNY-SENY-CL	7856.2	21.6
UPNY-CONED	6664.1	214.9	UPNY-CON-CL	8388.2	75.6
MILLWOOD-SO	7779.5	-418.7	LIPA-IMPORT	2006.4	14.1
DNWDIE-SO-PL	4641.0	-952.8	DNWDIE-SO-PC	6365.1	-1092.1
DNWDIE-SO-OP	3726.4	-712.9	ABC-JK-PAR	-25.1	404.2
SENY-115kV	340.2	-78.1	SENY-F-To-G	3907.6	253.7
PJM-NY	1608.3	-43.6	NE-NY-WCSC	312.2	39.6
ON-NY	3898.5	210.2	ONT-MICH-PAR	403.9	-3.6
CONED-345	2315.7	-873.4	CONED-138	1111.8	-160.3
Y49-Y50	1213.5	80.8	138-POCKET	1955.8	184.6
AST-POCKET	1358.1	102.1	GRNWD-POCKET	806.3	137.2
STAT-POCKET	310.2	-13.1	E13-POCKET	310.6	-9.5
W49-POCKET	1356.4	-462.8	EVIEW-POCKET	546.8	405.1
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.1	-66.9
ON-MAN-MIN	0.9	-28.9	UPNY-SENY-M	5279.1	62.8
EAST-HOLBRK	576.8	-88.4	NEWBRIDGE-E	-223.4	-120.2
AR-3-BULK-T	1498.2	359.7	AR-4-BULK-T	-736.7	236.9
AR-5-BULK-T	2858.0	334.0	AR-6-BULK-T	1124.6	29.8
AR-7-BULK-T	1553.8	309.4	AR-8-BULK-T	423.9	21.2
AR-3-TO-8-T	6721.7	1291.0	DNWDIE-SO-OC	4359.0	-877.6
I-TO-J	3427.5	-1033.6	CE+FRAS-GILB	3542.2	-1009.3
CE-GROUP	5617.5	-1428.3	HUDSONVALLEY	17860.2	-757.0
SENY-E-TO-G	2108.5	-432.9	UPNY-SENY-MC	6132.1	160.9
NORTH-CTY-EXPORT	285.6	26.2	NORTHERN EXPORT	700.6	-13.6
WESTERN EXPORT	2064.0	228.5			





Angle and Voltage Response for Contingency

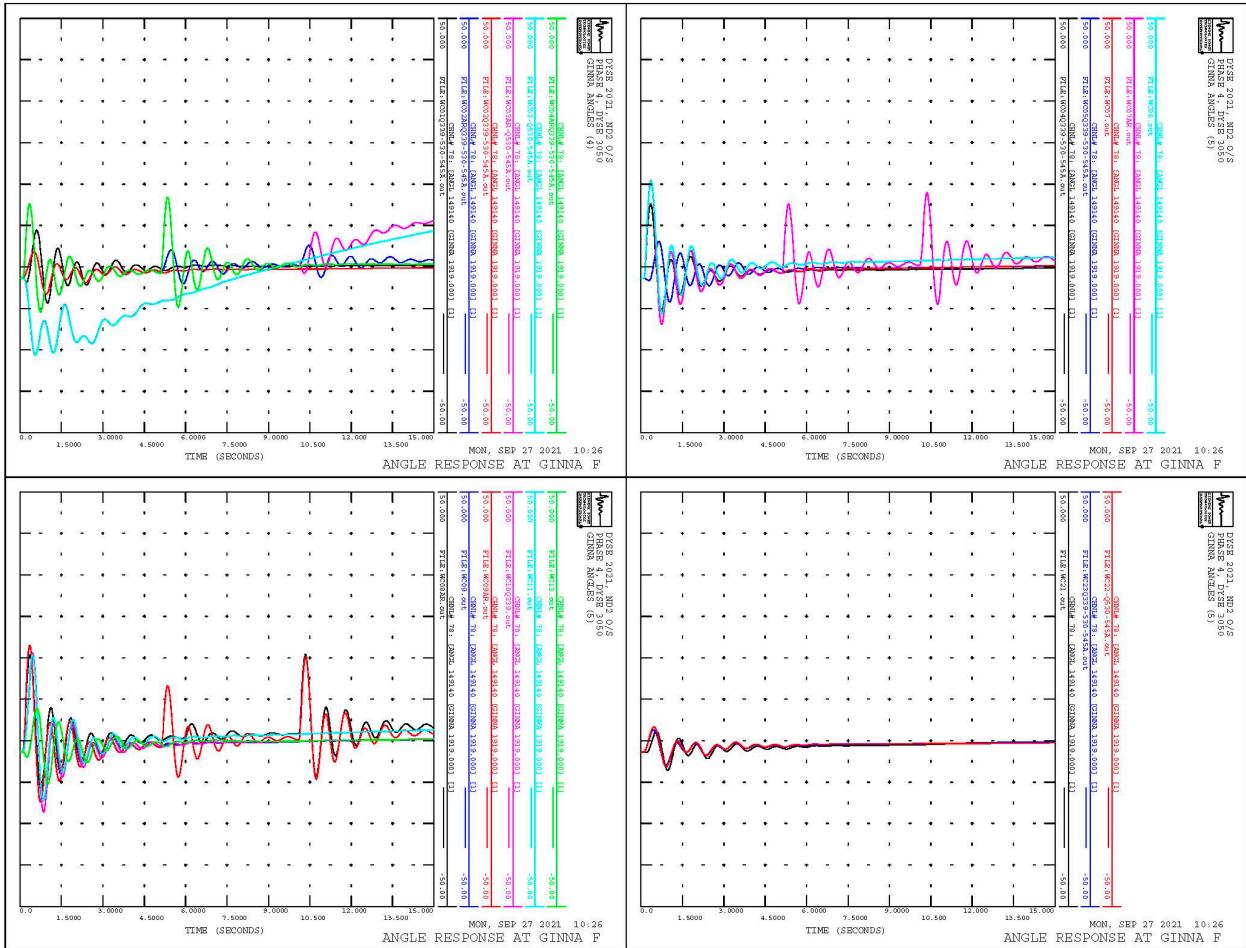


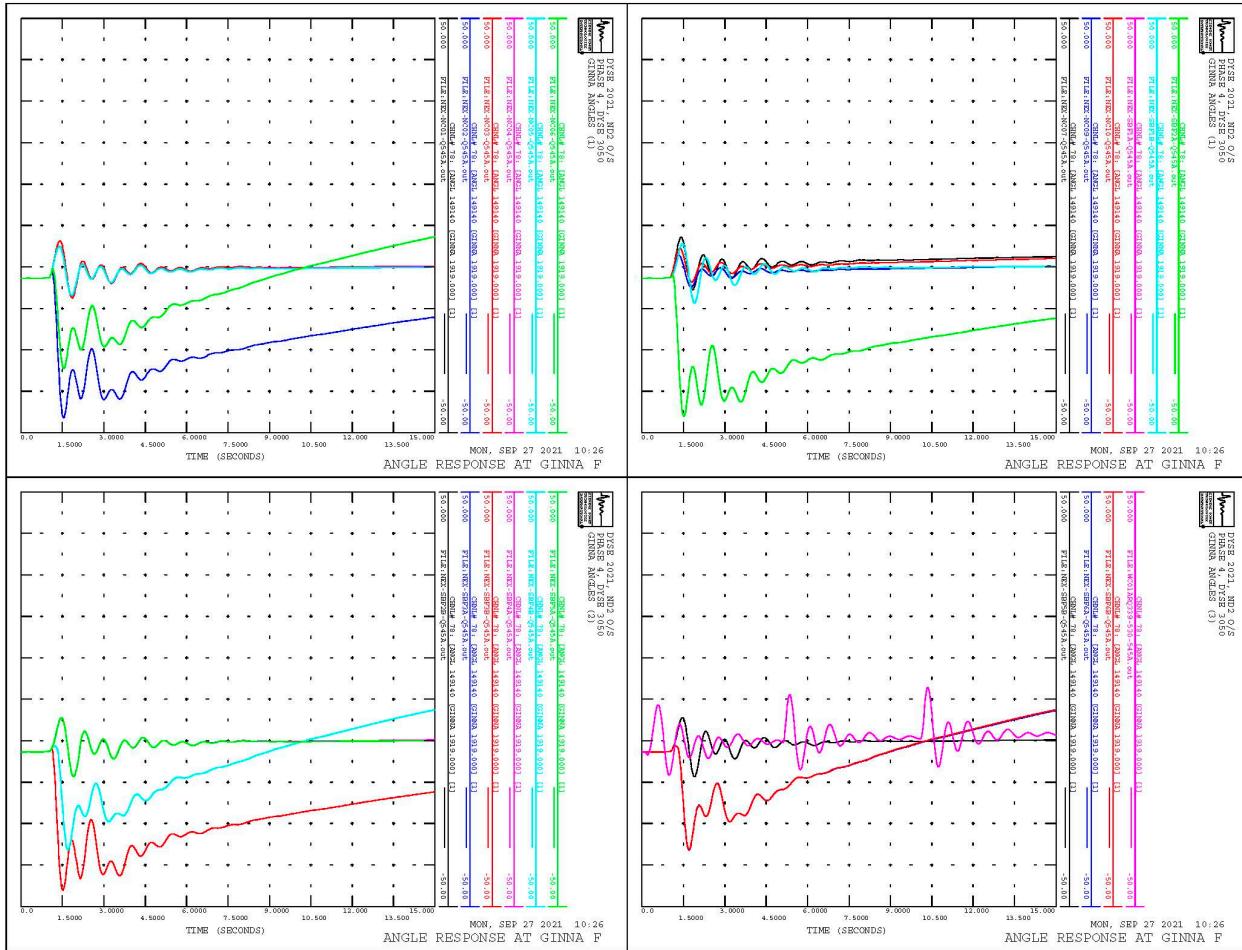
ND2 & DH1 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, ND2 O/S
PHASE 4, DYSE 2850

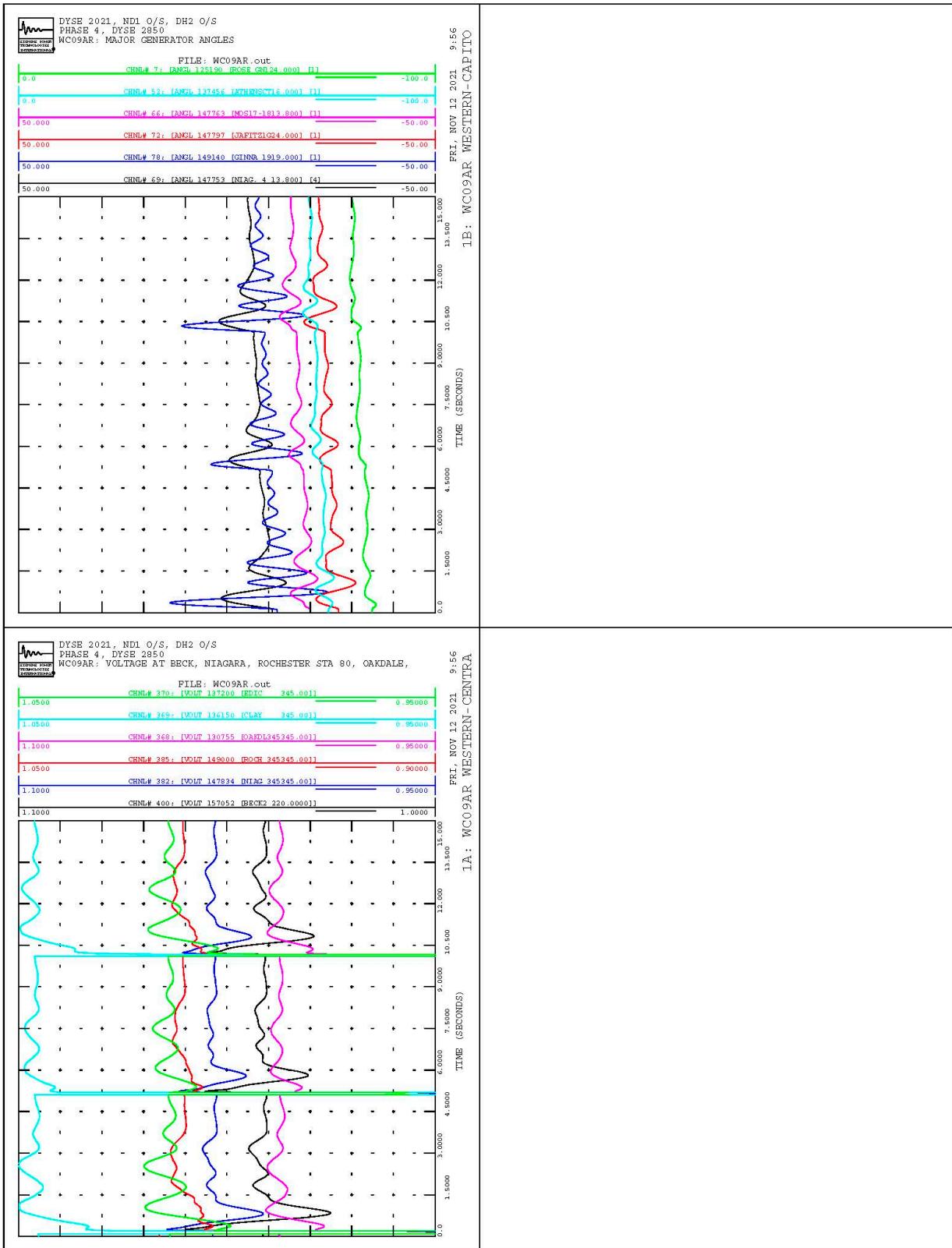
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	2851.8	-21.1	DYSE-CLOSE	5411.6	-390.3
WEST-CENTRAL	1520.7	-276.7	WESTC-CLOSE	4090.4	-381.7
VOLNEY-EAST	4091.5	246.6	VOLNEY-CLOSE	5956.3	148.7
MOSES-SOUTH	2536.4	-81.3	MOSES-CLOSE	2004.7	194.2
CENTRAL-EAST	2905.5	-805.4	TOTAL-EAST	6876.8	-1560.7
UPNY-SENY	6556.8	-23.5	UPNY-SENY-CL	7856.2	17.6
UPNY-CONED	6664.4	214.4	UPNY-CON-CL	8388.1	75.0
MILLWOOD-SO	7779.4	-420.1	LIPA-IMPORT	2006.4	13.9
DNWDIE-SO-PL	4641.3	-954.4	DNWDIE-SO-PC	6365.0	-1093.8
DNWDIE-SO-OP	3726.8	-714.3	ABC-JK-PAR	-26.7	404.6
SENY-115kV	340.5	-78.2	SENY-F-To-G	3909.2	252.4
PJM-NY	1614.2	-41.9	NE-NY-WCSC	312.2	40.7
ON-NY	3892.9	224.0	ONT-MICH-PAR	409.7	-4.1
CONED-345	2316.3	-874.5	CONED-138	1111.7	-160.4
Y49-Y50	1213.3	80.5	138-POCKET	1955.6	184.3
AST-POCKET	1358.1	101.8	GRNWD-POCKET	806.3	137.2
STAT-POCKET	310.2	-13.2	E13-POCKET	310.5	-9.6
W49-POCKET	1356.4	-463.1	EVIEW-POCKET	546.7	405.0
DUNSO-POCKET	303.6	99.0	DUNNO-POCKET	0.1	-66.9
ON-MAN-MIN	1.1	-28.8	UPNY-SENY-M	5281.3	60.1
EAST-HOLBRK	576.8	-88.3	NEWBRIDGE-E	-223.6	-120.3
AR-3-BULK-T	1497.1	353.1	AR-4-BULK-T	-739.4	235.3
AR-5-BULK-T	2860.6	332.4	AR-6-BULK-T	1124.8	28.8
AR-7-BULK-T	1553.6	308.6	AR-8-BULK-T	423.9	21.1
AR-3-TO-8-T	6720.5	1279.4	DNWDIE-SO-OC	4358.9	-879.1
I-TO-J	3427.9	-1034.9	CE+FRAS-GILB	3544.5	-1013.8
CE-GROUP	5620.2	-1436.5	HUDSONVALLEY	17862.4	-763.5
SENY-E-TO-G	2109.0	-436.6	UPNY-SENY-MC	6132.5	157.0
NORTH-CTY-EXPORT	285.6	27.1	NORTHERN EXPORT	700.6	-10.1
WESTERN EXPORT	2069.9	239.5			





Angle and Voltage Response for Contingency

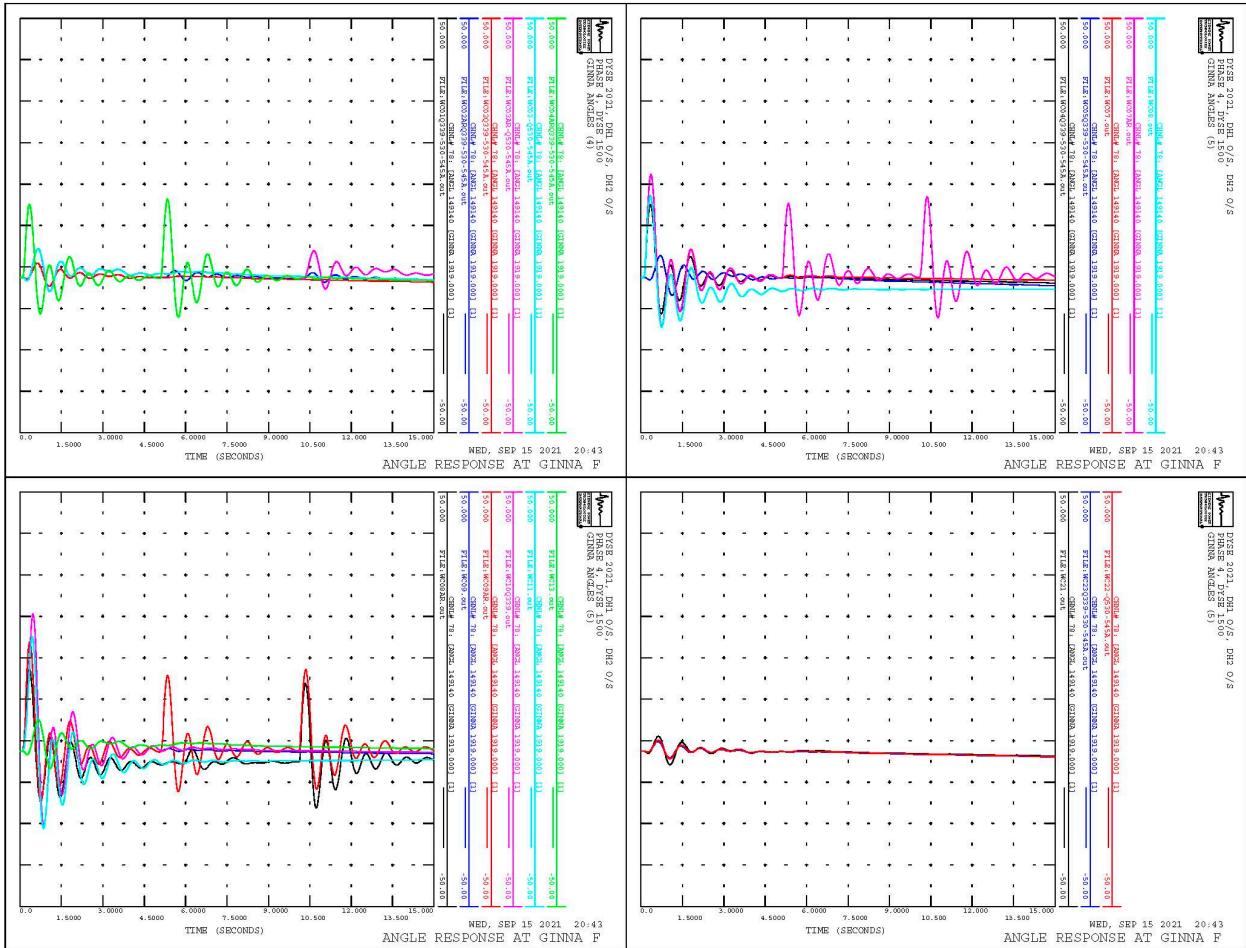


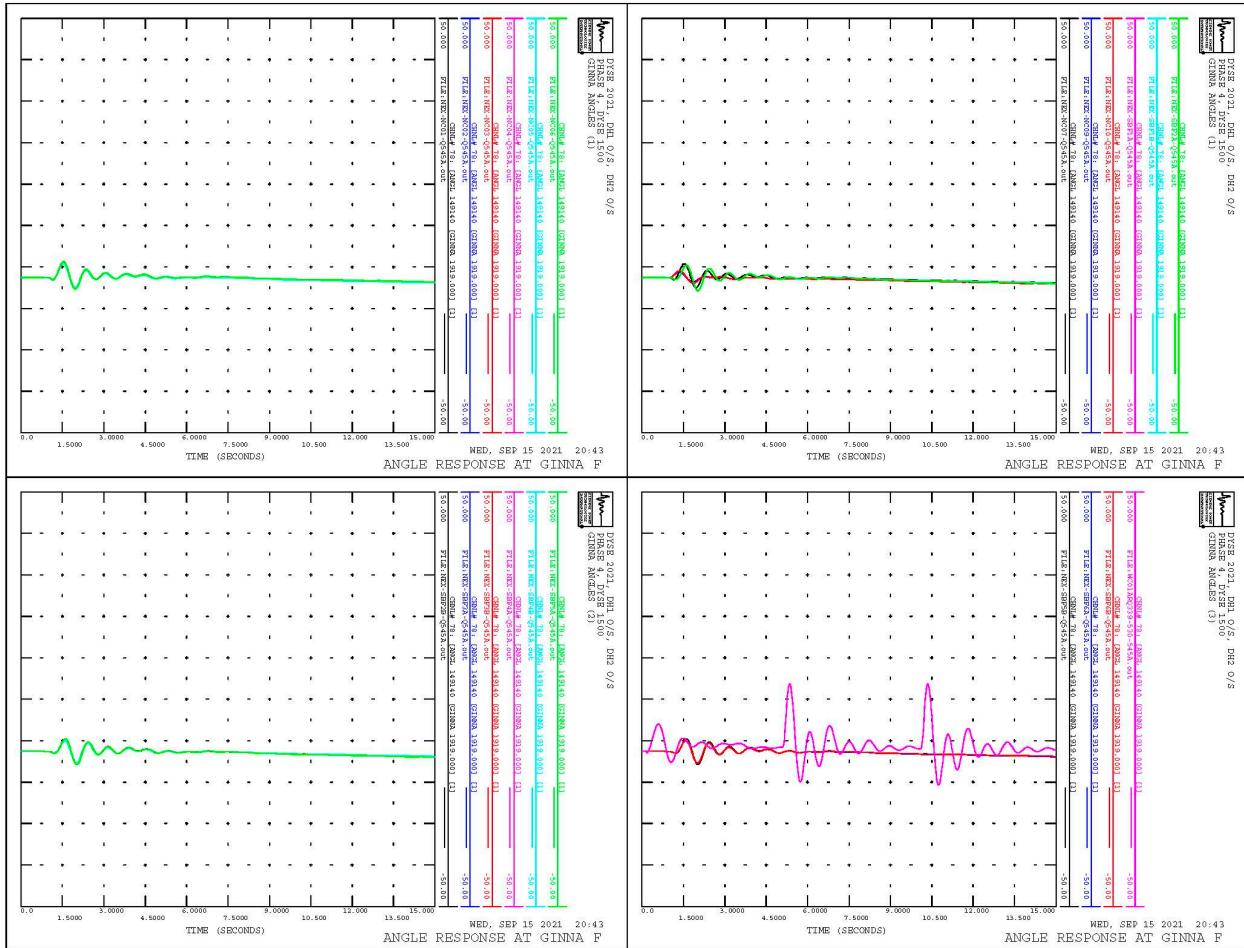
DH1 & DH2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, DH1 O/S, DH2 O/S
PHASE 4, DYSE 1500

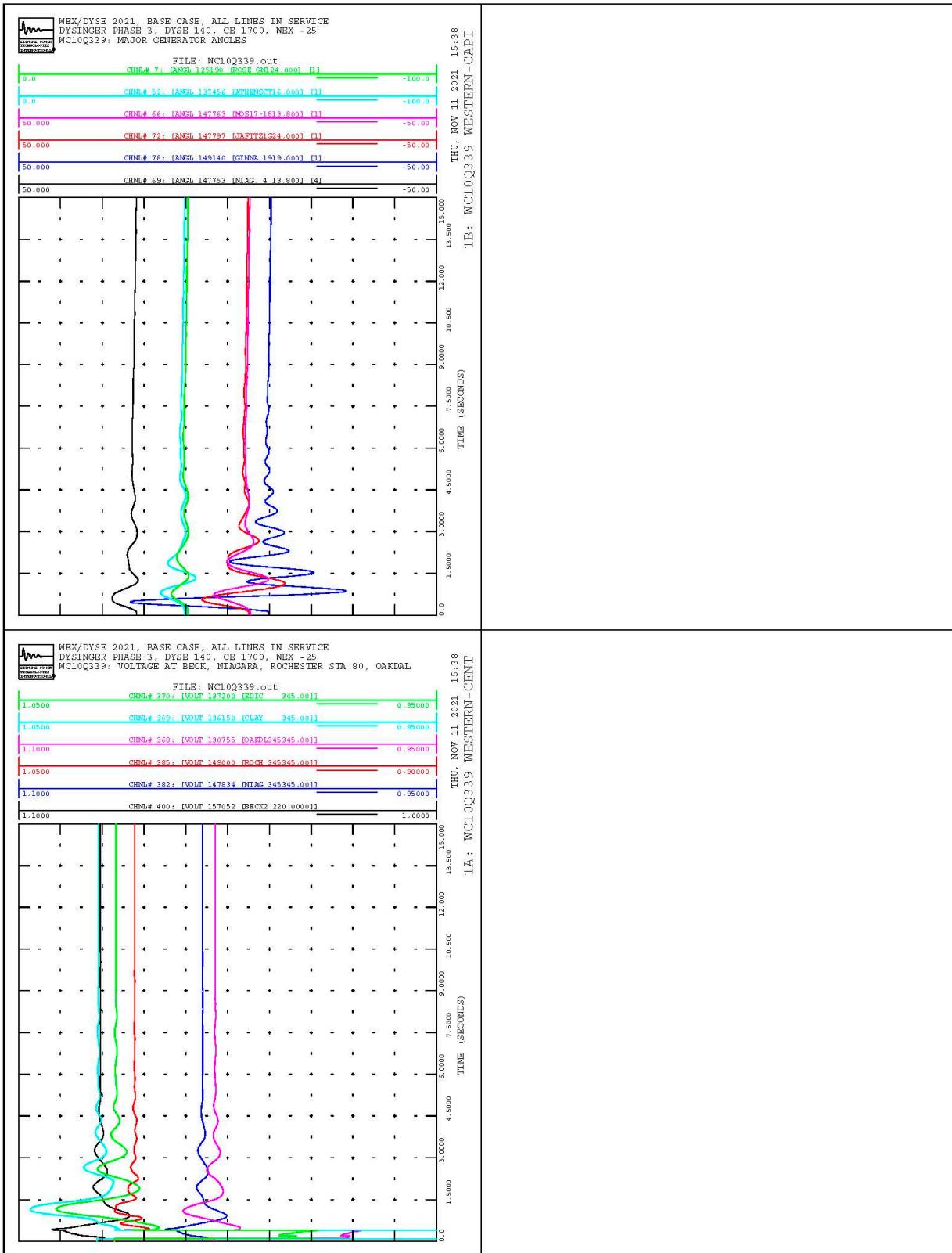
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	1501.6	-18.2	DYSE-CLOSE	3344.5	-178.0
WEST-CENTRAL	61.9	100.8	WESTC-CLOSE	1904.8	206.2
VOLNEY-EAST	2120.6	-34.2	VOLNEY-CLOSE	3646.6	104.5
MOSES-SOUTH	2194.0	-90.8	MOSES-CLOSE	2004.8	-29.5
CENTRAL-EAST	1876.2	-224.1	TOTAL-EAST	4738.3	-485.8
UPNY-SENY	5513.6	93.0	UPNY-SENY-CL	6815.6	224.5
UPNY-CONED	6716.0	163.7	UPNY-CON-CL	8439.7	46.5
MILLWOOD-SO	7830.5	-478.6	LIPA-IMPORT	2006.3	4.0
DNWDIE-SO-PL	4692.1	-1024.4	DNWDIE-SO-PC	6415.7	-1141.6
DNWDIE-SO-OP	3776.7	-773.8	ABC-JK-PAR	-24.0	495.7
SENY-115kV	288.9	-68.5	SENY-F-To-G	3447.4	80.4
PJM-NY	1076.4	-11.1	NE-NY-WCSC	312.6	181.2
ON-NY	1882.2	530.3	ONT-MICH-PAR	127.7	-22.2
CONED-345	2366.0	-920.8	CONED-138	1111.8	-174.4
Y49-Y50	1214.2	70.8	138-POCKET	1954.5	147.8
AST-POCKET	1409.1	73.2	GRNWD-POCKET	806.2	135.6
STAT-POCKET	309.7	-13.4	E13-POCKET	322.6	122.0
W49-POCKET	1357.3	-493.4	EVIEW-POCKET	544.3	367.7
DUNSO-POCKET	303.6	99.4	DUNNO-POCKET	3.3	-36.5
ON-MAN-MIN	0.1	-28.9	UPNY-SENY-M	4493.1	81.5
EAST-HOLBRK	576.9	-87.4	NEWBRIDGE-E	-223.1	-124.8
AR-3-BULK-T	1653.2	316.1	AR-4-BULK-T	-484.3	241.3
AR-5-BULK-T	2631.5	250.9	AR-6-BULK-T	898.0	349.7
AR-7-BULK-T	1476.1	332.8	AR-8-BULK-T	398.6	3.4
AR-3-TO-8-T	6573.0	1494.3	DNWDIE-SO-OC	4409.7	-916.8
I-TO-J	3477.8	-1095.2	CE+FRAS-GILB	1889.0	-294.2
CE-GROUP	3486.8	-409.7	HUDSONVALLEY	16921.7	-767.7
SENY-E-TO-G	1619.2	-123.9	UPNY-SENY-MC	5091.9	341.7
NORTH-CTY-EXPORT	285.6	-11.9	NORTHERN EXPORT	699.1	-175.6
WESTERN EXPORT	1775.1	411.1			





Angle and Voltage Response for Contingency

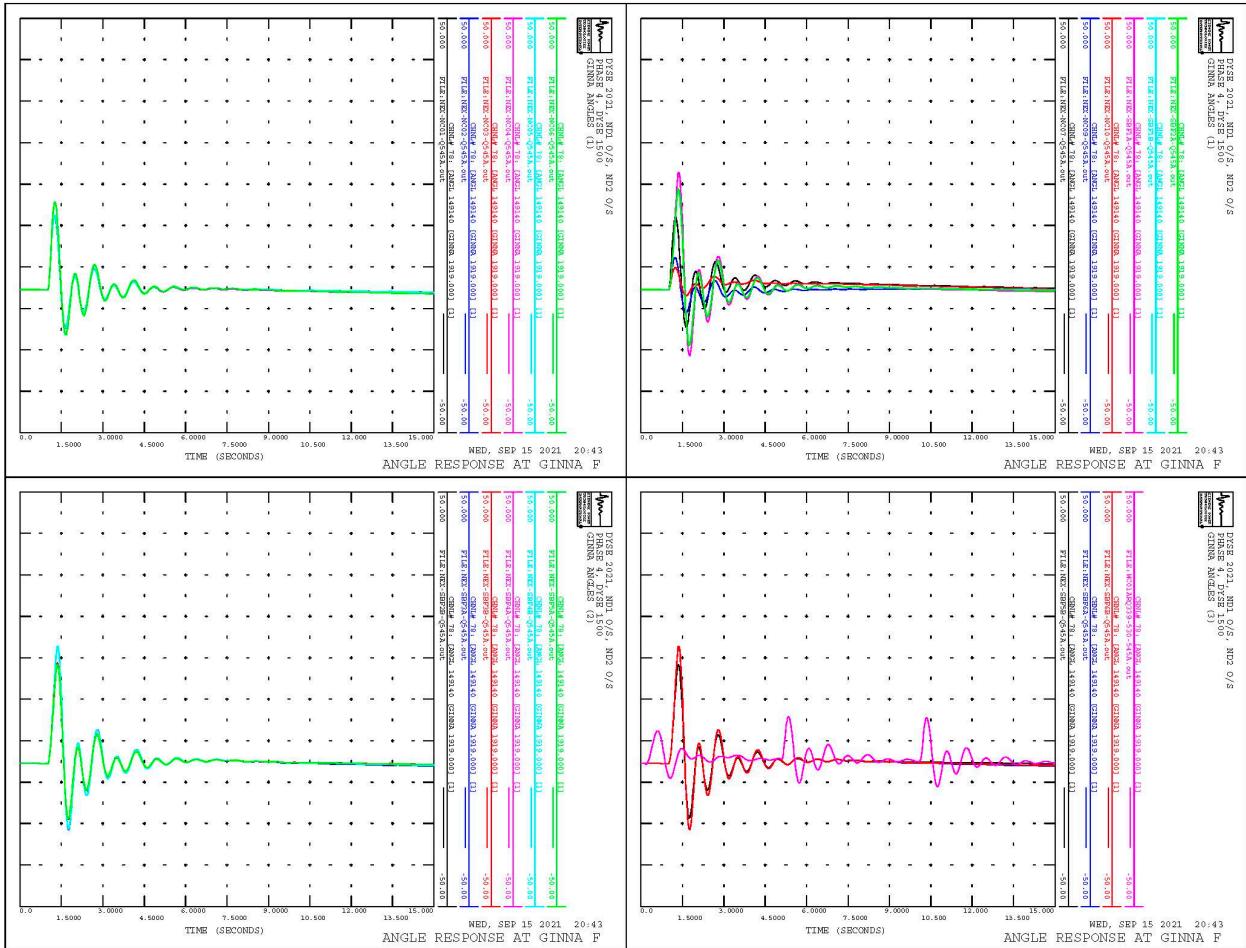


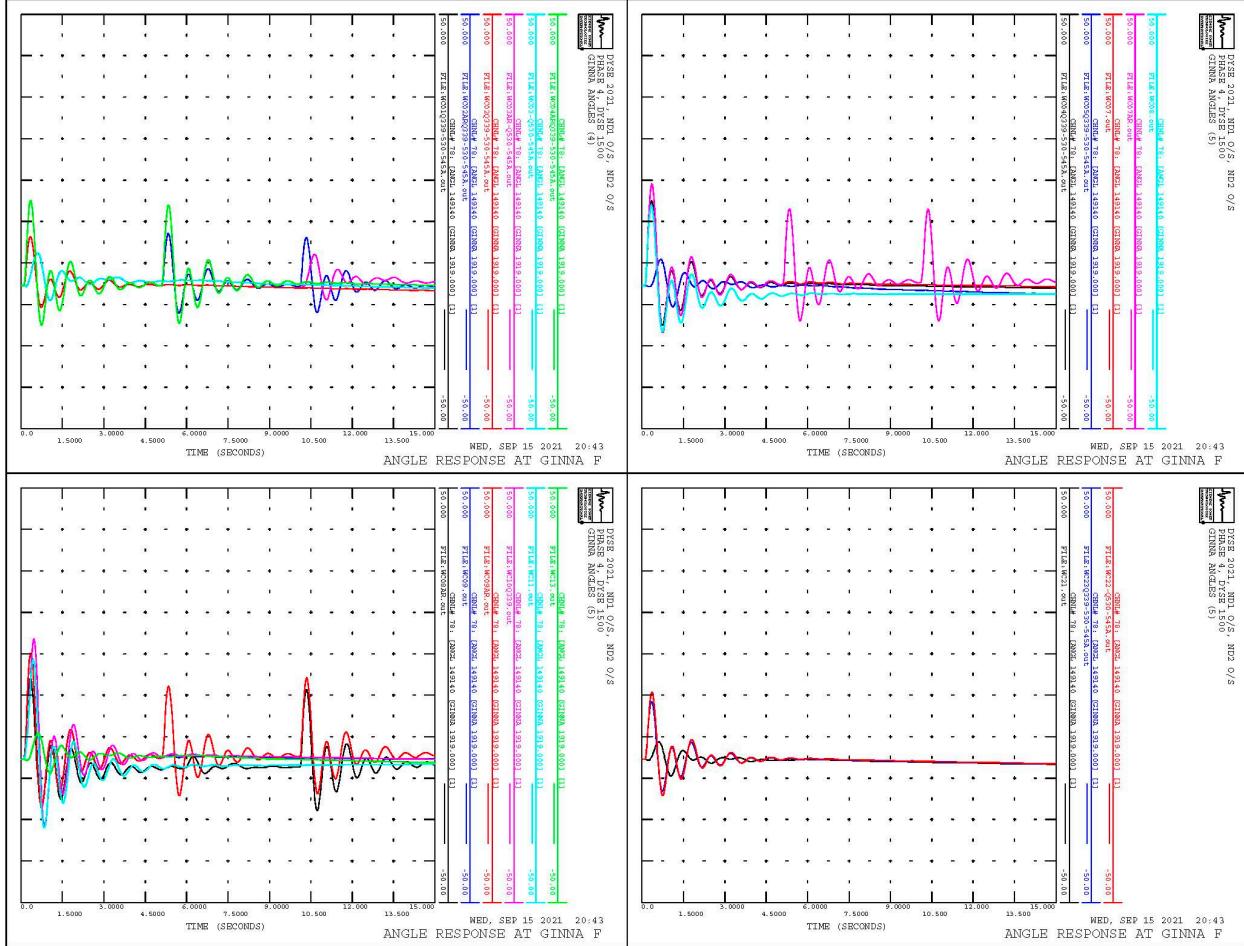
ND1 & ND2 Out-of-Service

Interface Flow Report
CASE :DYSE 2021, ND1 O/S, ND2 O/S
PHASE 4, DYSE 1500

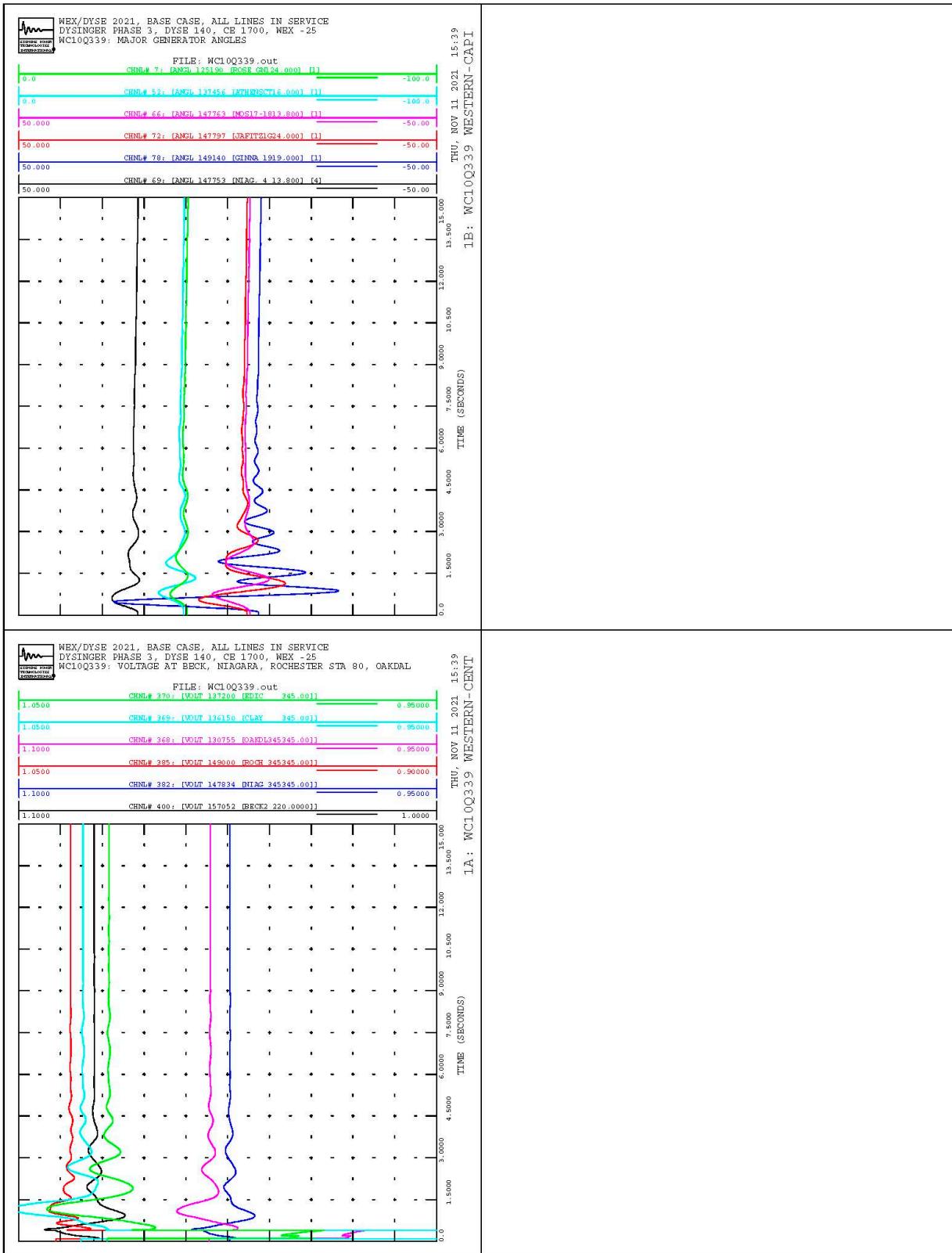
INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	1497.6	-64.7	DYSE-CLOSE	3394.9	-236.3
WEST-CENTRAL	58.5	55.0	WESTC-CLOSE	1955.7	148.5
VOLNEY-EAST	2083.4	-41.8	VOLNEY-CLOSE	3648.1	72.2
MOSES-SOUTH	2242.0	-86.6	MOSES-CLOSE	2004.8	0.5
CENTRAL-EAST	1880.7	-230.9	TOTAL-EAST	4738.6	-502.6
UPNY-SENY	5519.2	86.9	UPNY-SENY-CL	6815.8	218.8
UPNY-CONED	6717.6	164.0	UPNY-CON-CL	8439.5	45.8
MILLWOOD-SO	7830.3	-481.7	LIPA-IMPORT	2006.3	3.5
DNWDIE-SO-PL	4693.7	-1027.3	DNWDIE-SO-PC	6415.7	-1145.5
DNWDIE-SO-OP	3778.7	-776.2	ABC-JK-PAR	-29.2	495.6
SENY-115kV	289.5	-68.7	SENY-F-To-G	3452.5	79.1
PJM-NY	1184.0	36.0	NE-NY-WCSC	312.5	184.0
ON-NY	1776.3	526.4	ONT-MICH-PAR	232.9	-26.1
CONED-345	2367.9	-923.0	CONED-138	1111.8	-174.6
Y49-Y50	1214.0	70.2	138-POCKET	1953.9	147.1
AST-POCKET	1409.1	72.7	GRNWD-POCKET	806.3	135.5
STAT-POCKET	309.7	-13.5	E13-POCKET	322.5	121.8
W49-POCKET	1357.1	-492.7	EVIEW-POCKET	544.2	367.6
DUNSO-POCKET	303.6	99.4	DUNNO-POCKET	3.3	-36.4
ON-MAN-MIN	0.9	-28.8	UPNY-SENY-M	4501.0	77.9
EAST-HOLBRK	576.9	-87.3	NEWBRIDGE-E	-223.3	-125.1
AR-3-BULK-T	1642.2	320.6	AR-4-BULK-T	-517.9	236.8
AR-5-BULK-T	2664.6	233.7	AR-6-BULK-T	898.5	346.7
AR-7-BULK-T	1475.7	331.9	AR-8-BULK-T	398.5	3.3
AR-3-TO-8-T	6561.6	1473.1	DNWDIE-SO-OC	4409.6	-920.3
I-TO-J	3479.7	-1097.6	CE+FRAS-GILB	1895.7	-305.6
CE-GROUP	3496.9	-427.5	HUDSONVALLEY	16930.5	-776.4
SENY-E-TO-G	1622.5	-130.6	UPNY-SENY-MC	5093.9	337.0
NORTH-CTY-EXPORT	285.6	-7.9	NORTHERN EXPORT	699.2	-154.0
WESTERN EXPORT	1934.8	446.0			





Angle and Voltage Response for Contingency



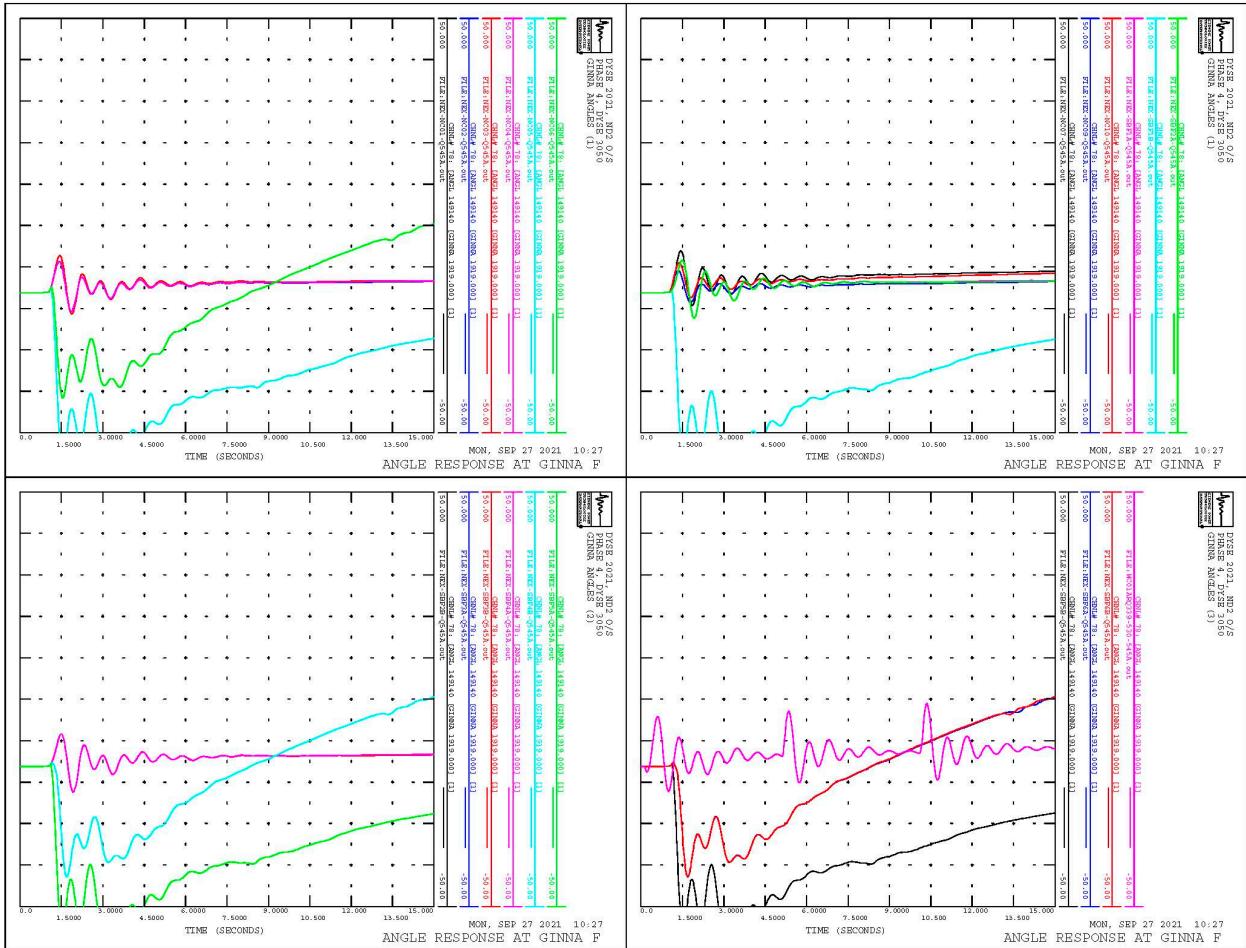
ND2 & DH2 & 85 Out-of-Service

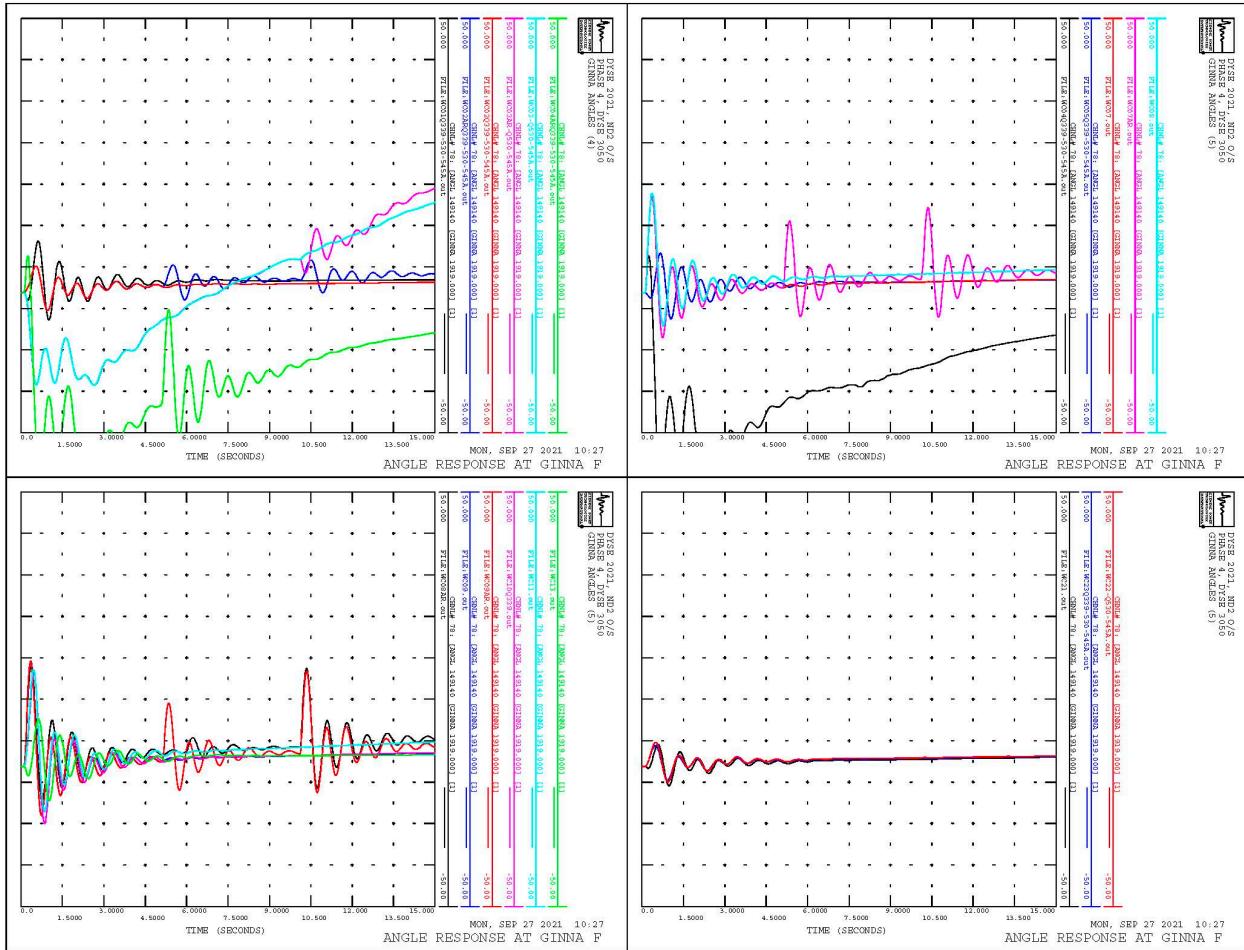
Interface Flow Report

CASE :DYSE 2021, ND1 O/S, ND2 O/S
PHASE 4, DYSE 1500

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAr	DESCRIPTION	MW	MVAr
DYS-EAS-P3-P4	1497.6	-64.7	DYSE-CLOSE	3394.9	-236.3
WEST-CENTRAL	58.5	55.0	WESTC-CLOSE	1955.7	148.5
VOLNEY-EAST	2083.4	-41.8	VOLNEY-CLOSE	3648.1	72.2
MOSES-SOUTH	2242.0	-86.6	MOSES-CLOSE	2004.8	0.5
CENTRAL-EAST	1880.7	-230.9	TOTAL-EAST	4738.6	-502.6
UPNY-SENY	5519.2	86.9	UPNY-SENY-CL	6815.8	218.8
UPNY-CONED	6717.6	164.0	UPNY-CON-CL	8439.5	45.8
MILLWOOD-SO	7830.3	-481.7	LIPA-IMPORT	2006.3	3.5
DNWDIE-SO-PL	4693.7	-1027.3	DNWDIE-SO-PC	6415.7	-1145.5
DNWDIE-SO-OP	3778.7	-776.2	ABC-JK-PAR	-29.2	495.6
SENY-115kV	289.5	-68.7	SENY-F-To-G	3452.5	79.1
PJM-NY	1184.0	36.0	NE-NY-WCSC	312.5	184.0
ON-NY	1776.3	526.4	ONT-MICH-PAR	232.9	-26.1
CONED-345	2367.9	-923.0	CONED-138	1111.8	-174.6
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Angle and Voltage Response for Contingency

