

PID 260

APPENDIX C PLOTS FOR STABILITY SIMULATIONS

APPENDIX- C

Plots for Stability Simulations

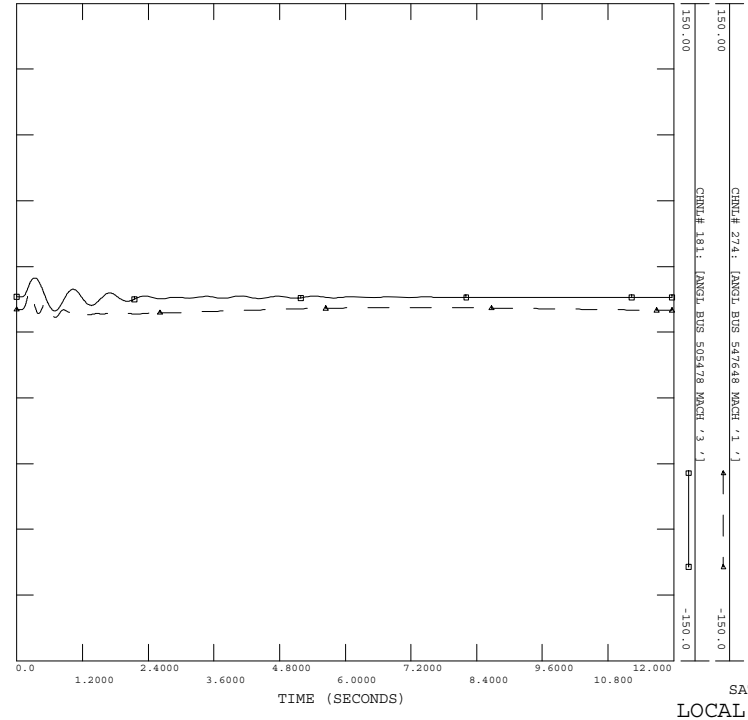
C.1	FLT_1_3PH.....	2
C.2	FLT_2_3PH.....	3
C.3	FLT_3_3PH.....	4
C.4	FLT_4_3PH.....	5
C.5	FLT_5_3PH.....	6
C.6	FLT_6_3PH.....	7
C.7	FLT_7_3PH.....	8
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C.1 FLT_1_3PH

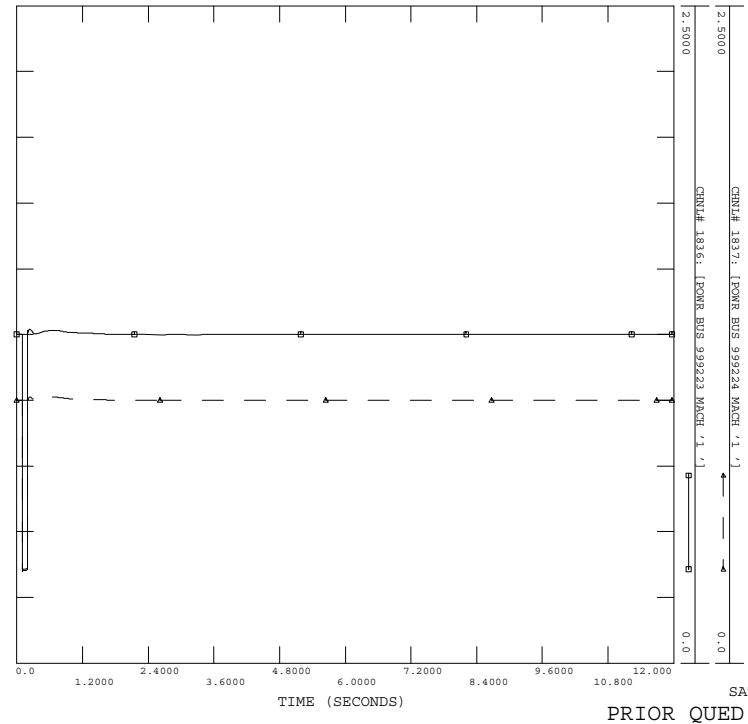
Three phase fault on the PID 260 TAP - Grandview 161 kV line.

- a) Apply 3 Phase Fault at PID260 TAP 161 kV bus
- b) Clear fault after 6 cycles by tripping PID 260 TAP - Grandview 161 kV line

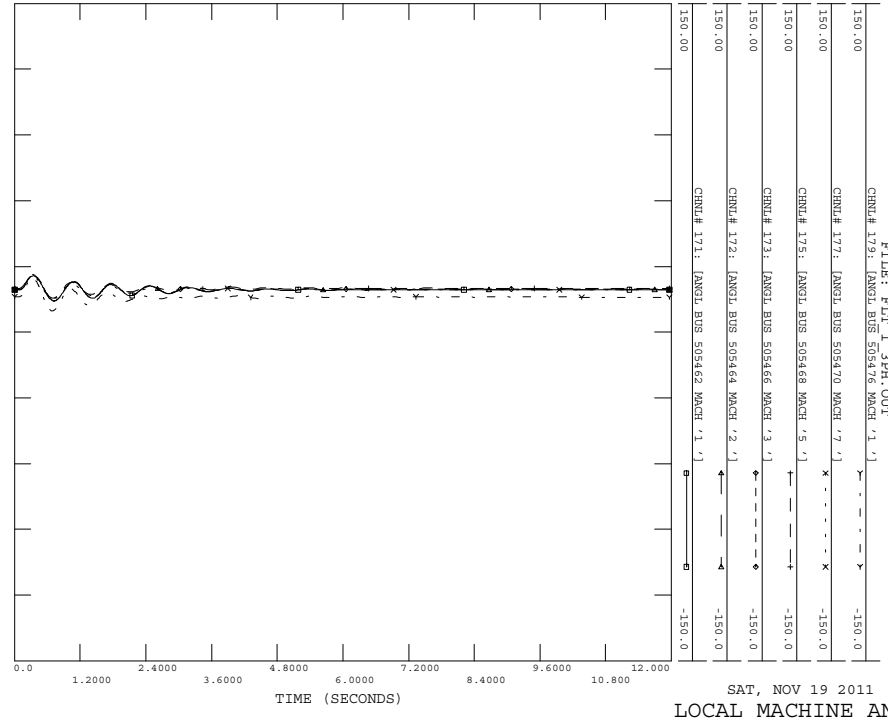
POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH.OUT



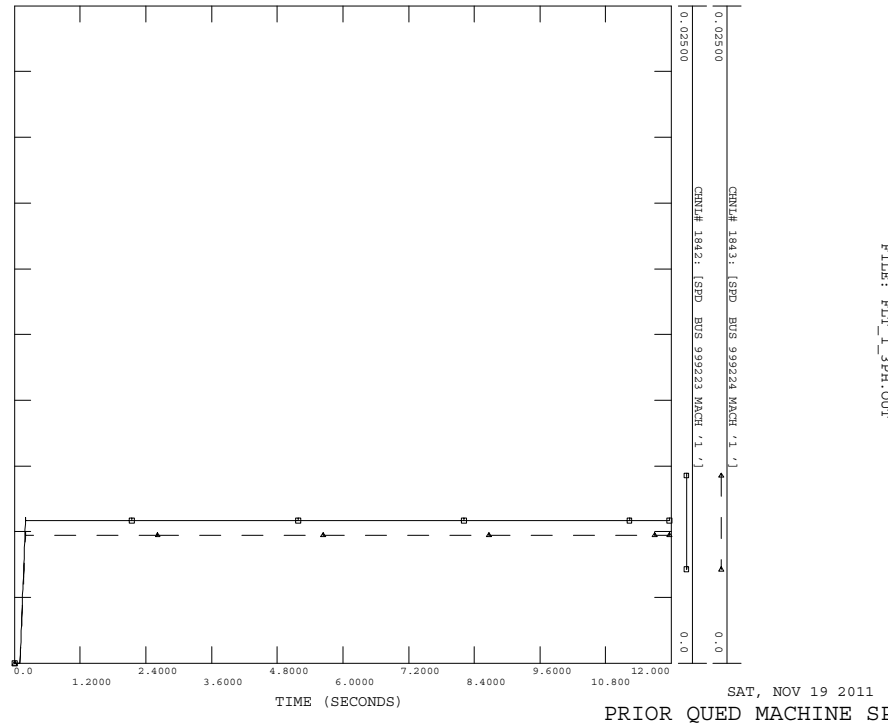
POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH.OUT

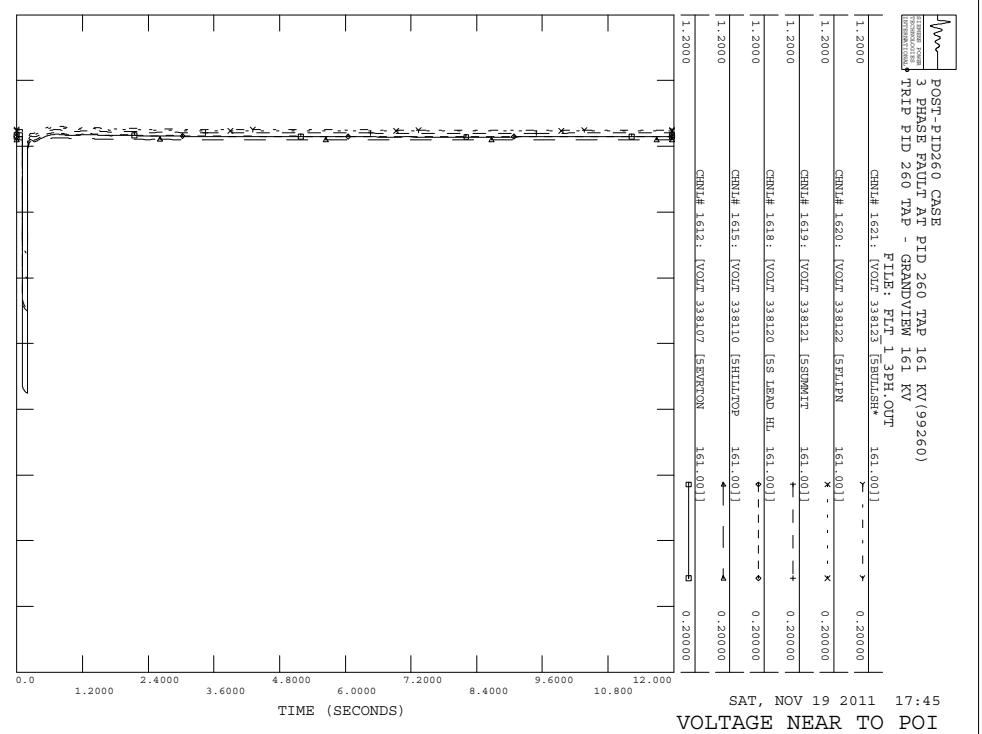
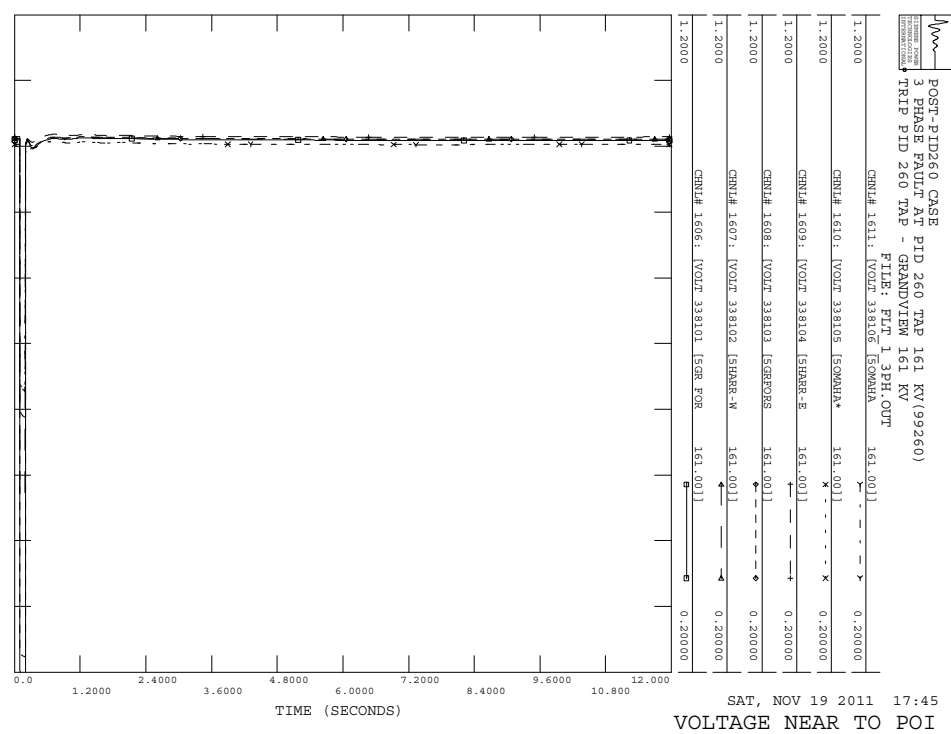
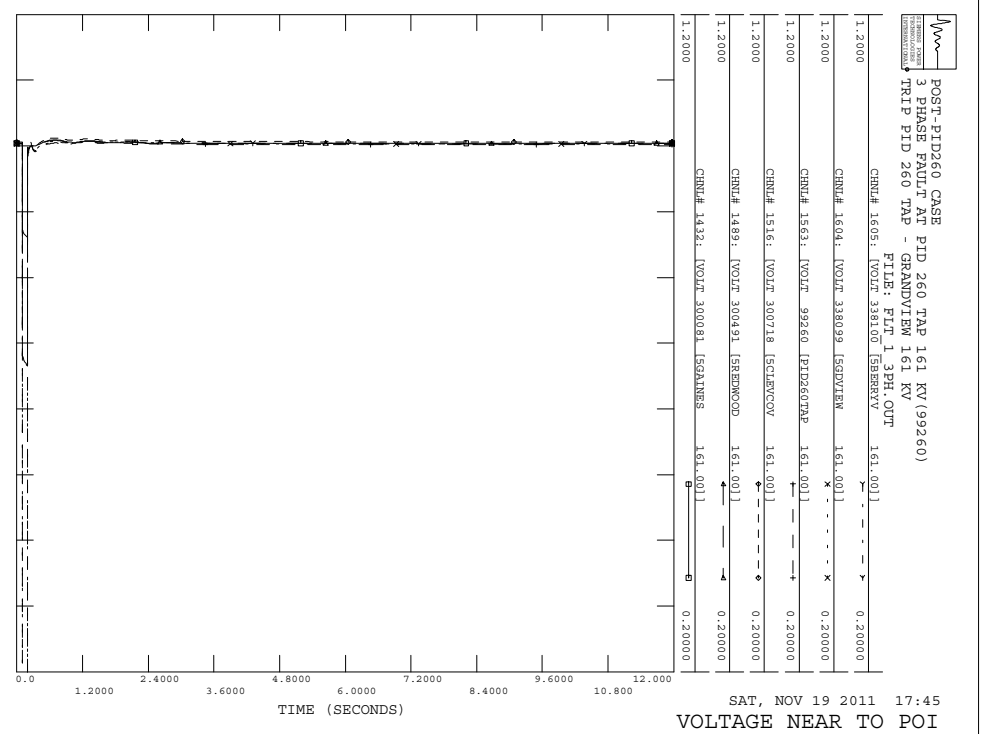
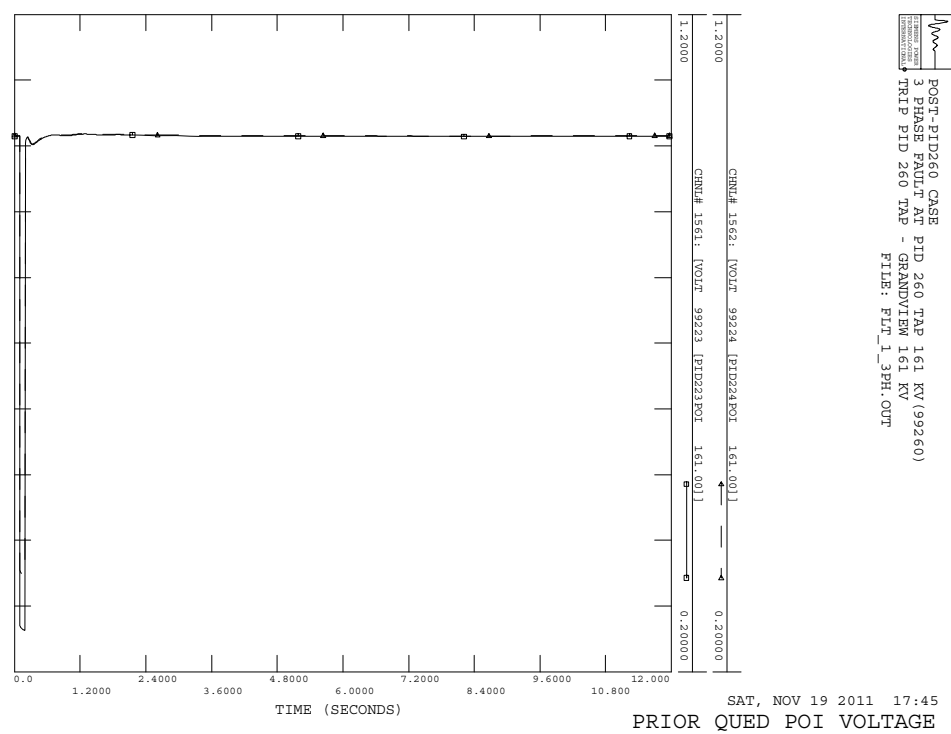


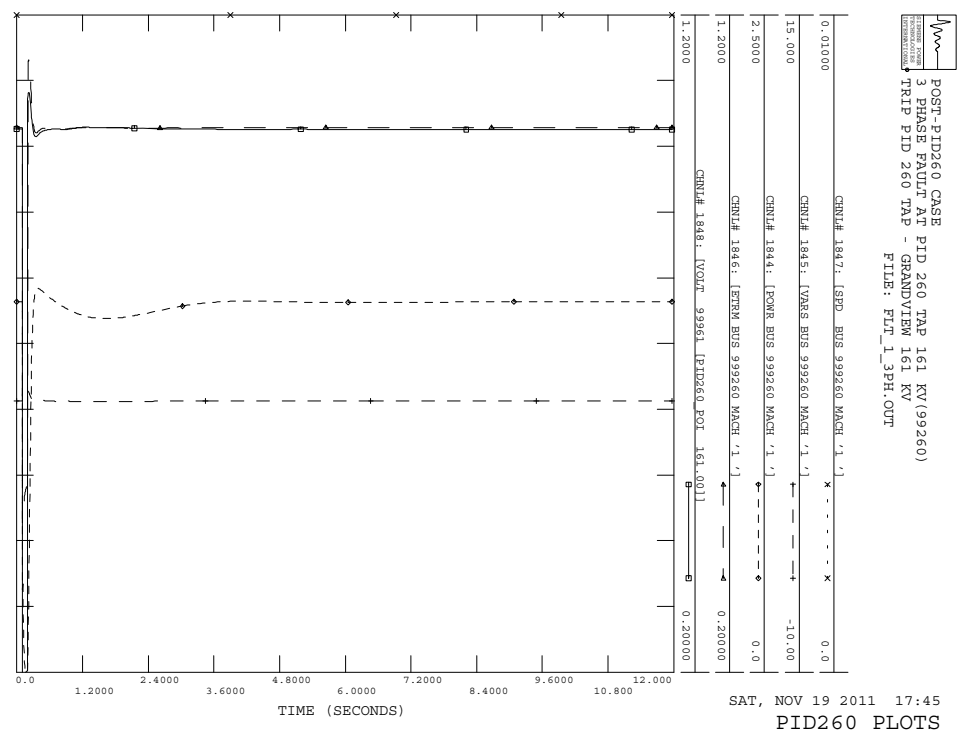
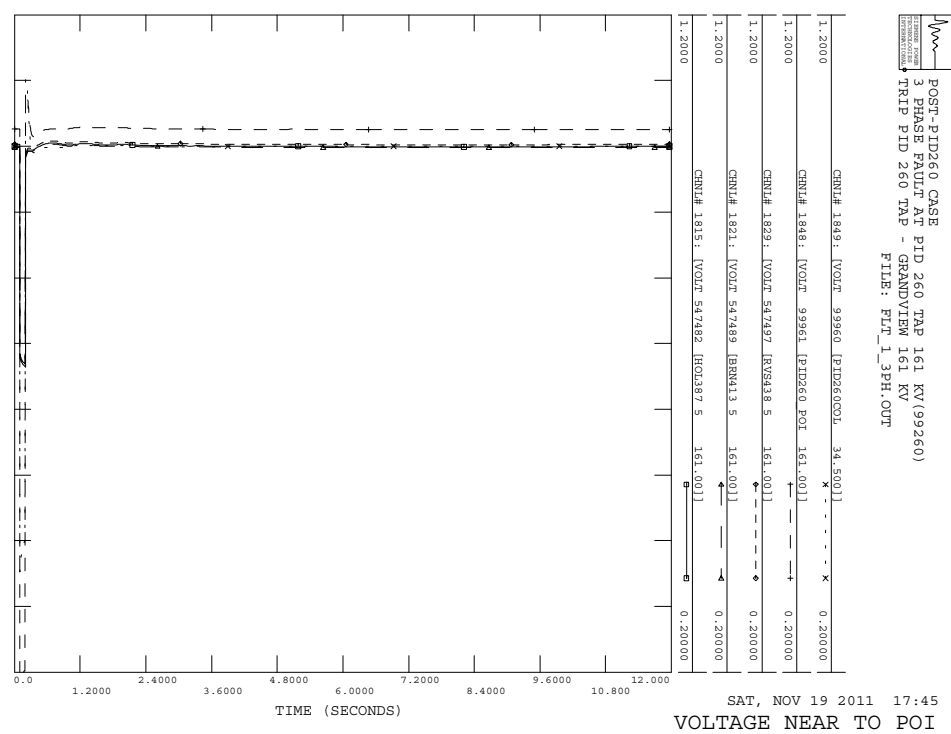
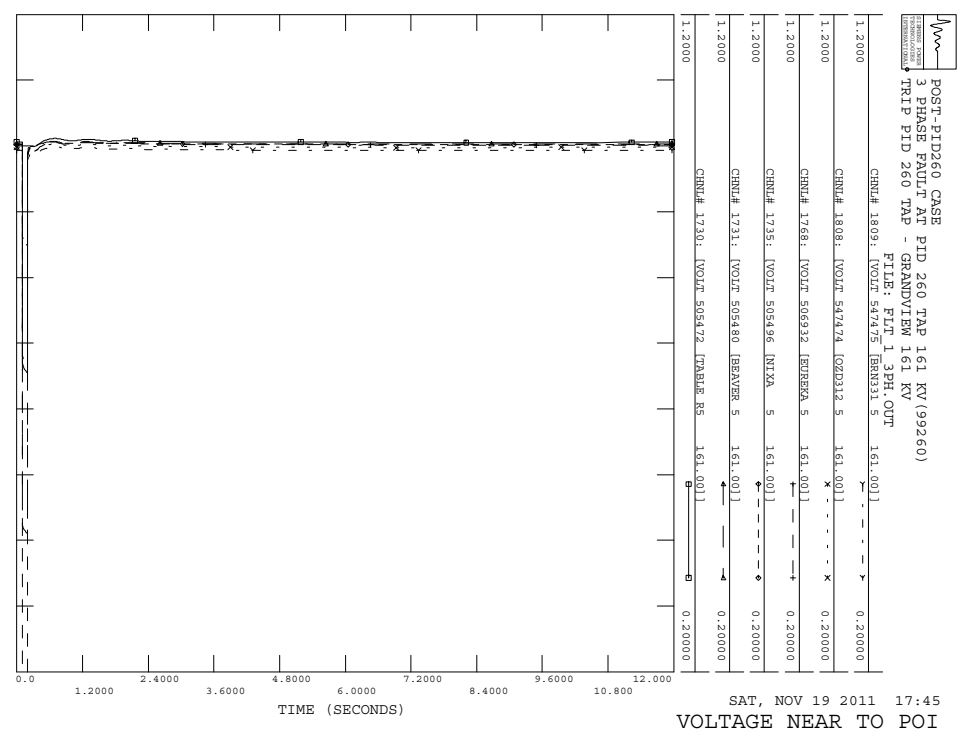
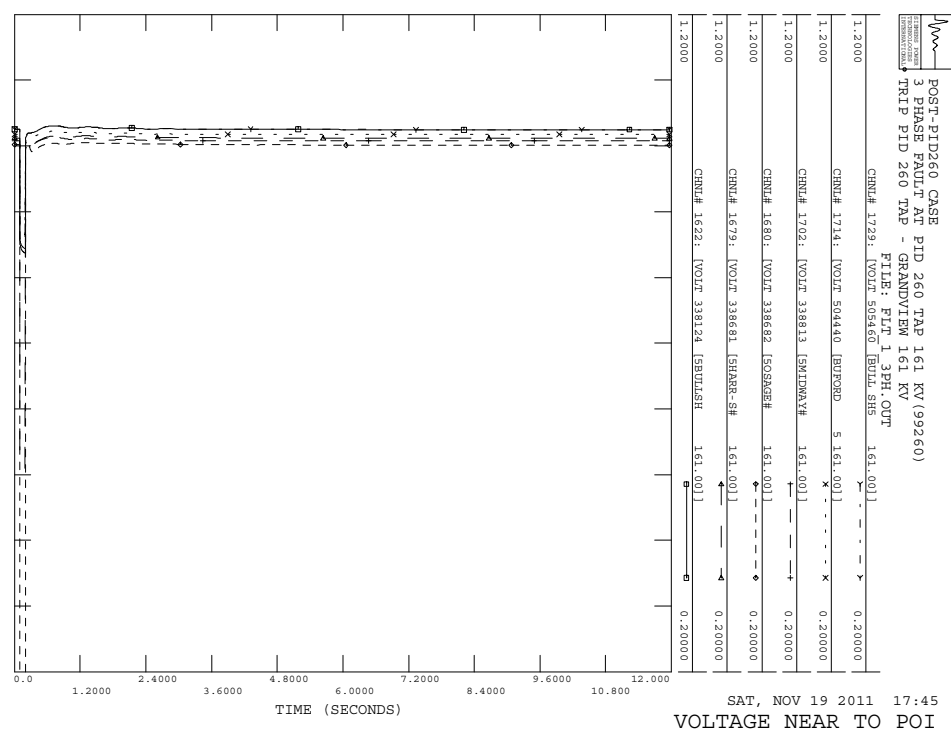
POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH.OUT





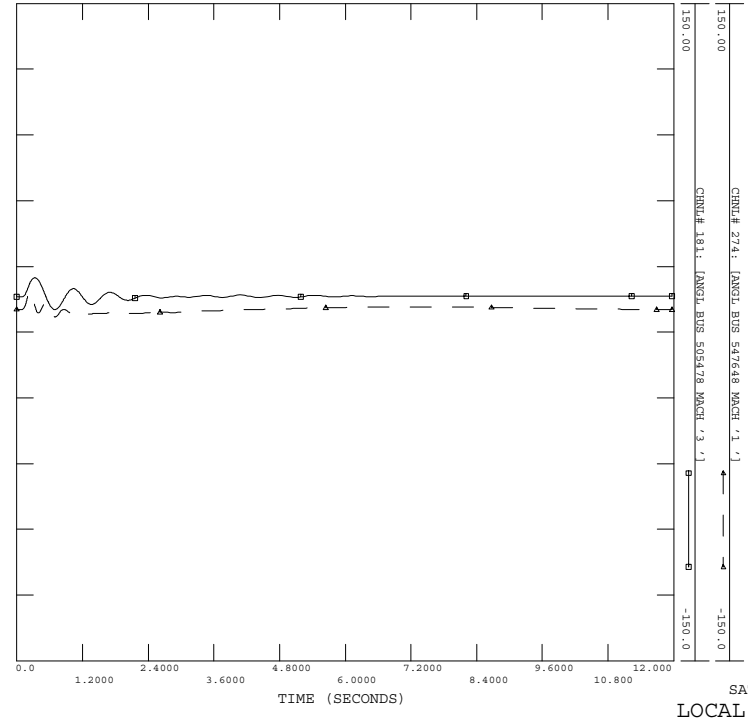


C.2 FLT_2_3PH

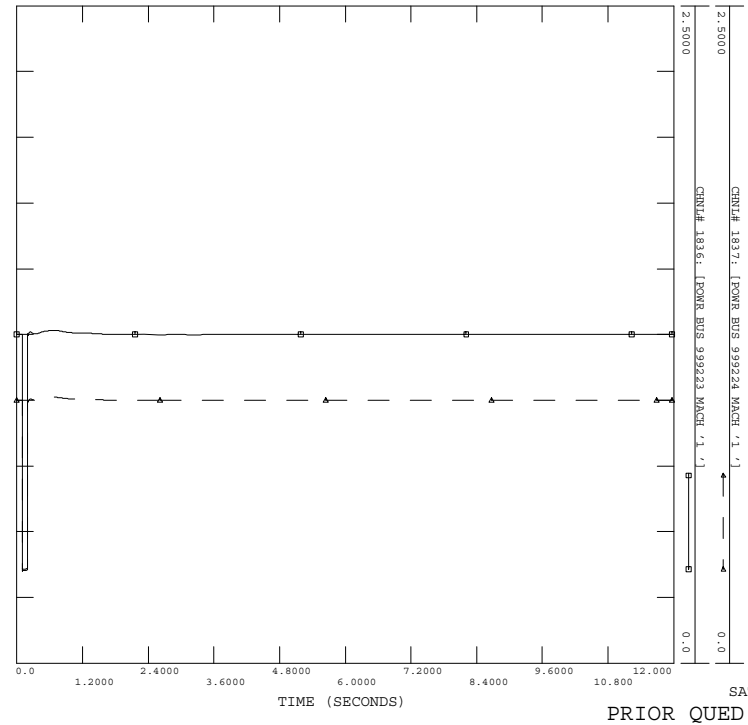
Three phase fault on the PID 260 TAP - OsageCreek 161 kV line.

- a) Apply 3 Phase Fault at PID260 TAP 161 kV bus
- b) Clear fault after 6 cycles by tripping PID 260 TAP - OsageCreek 161 kV line

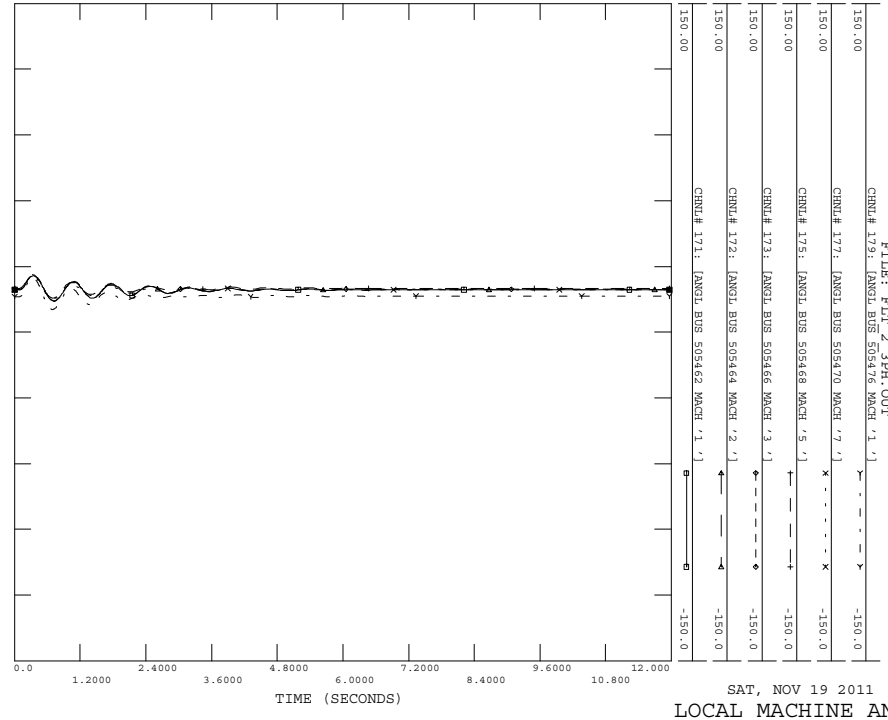
POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH.OUT



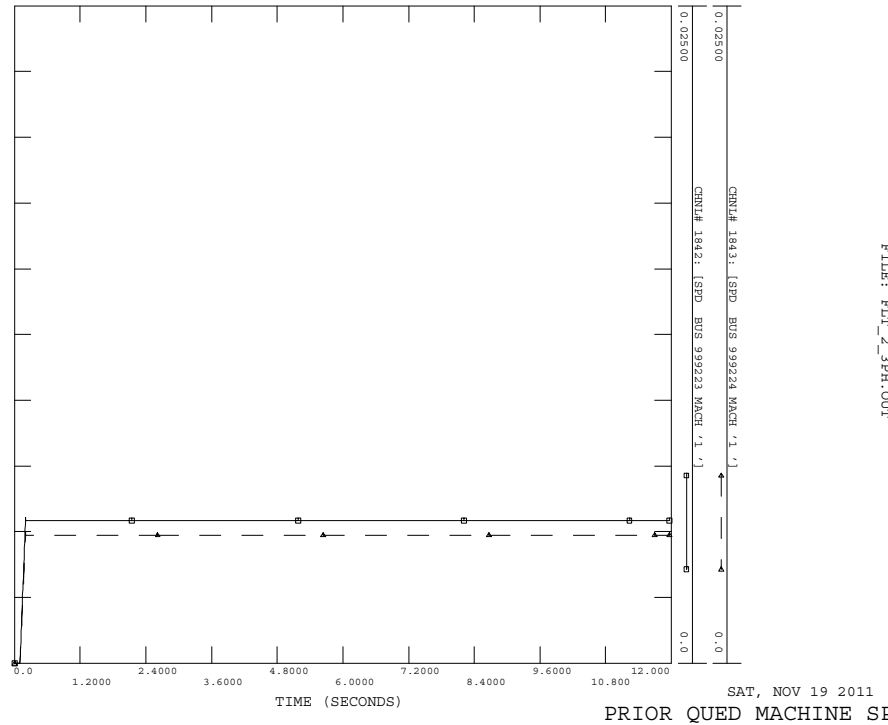
POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH.OUT

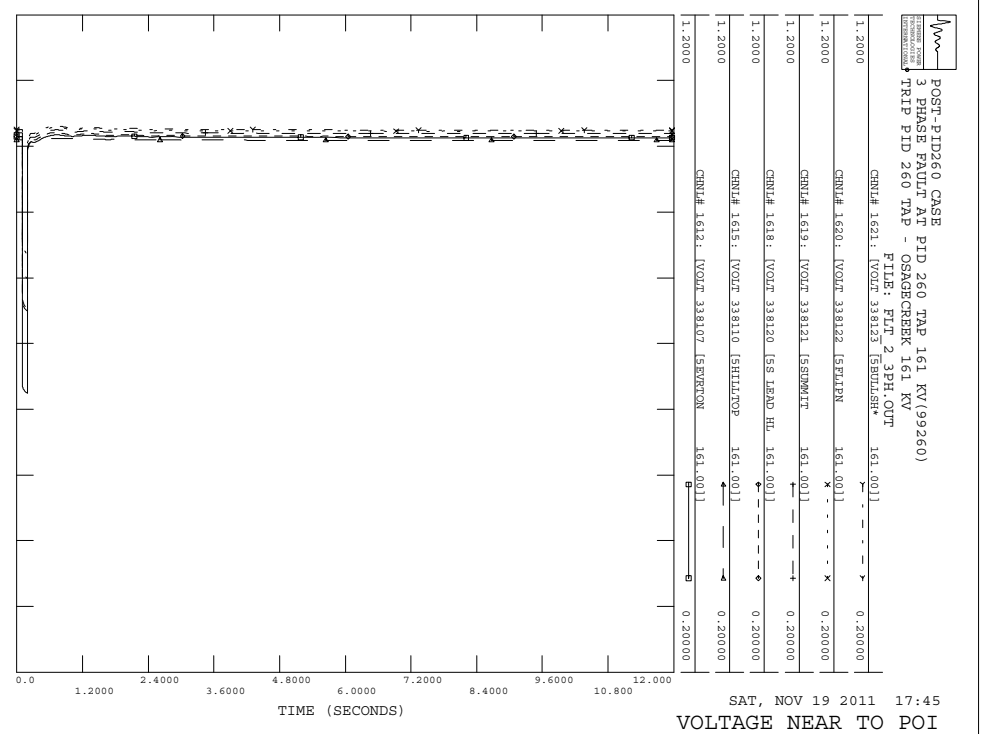
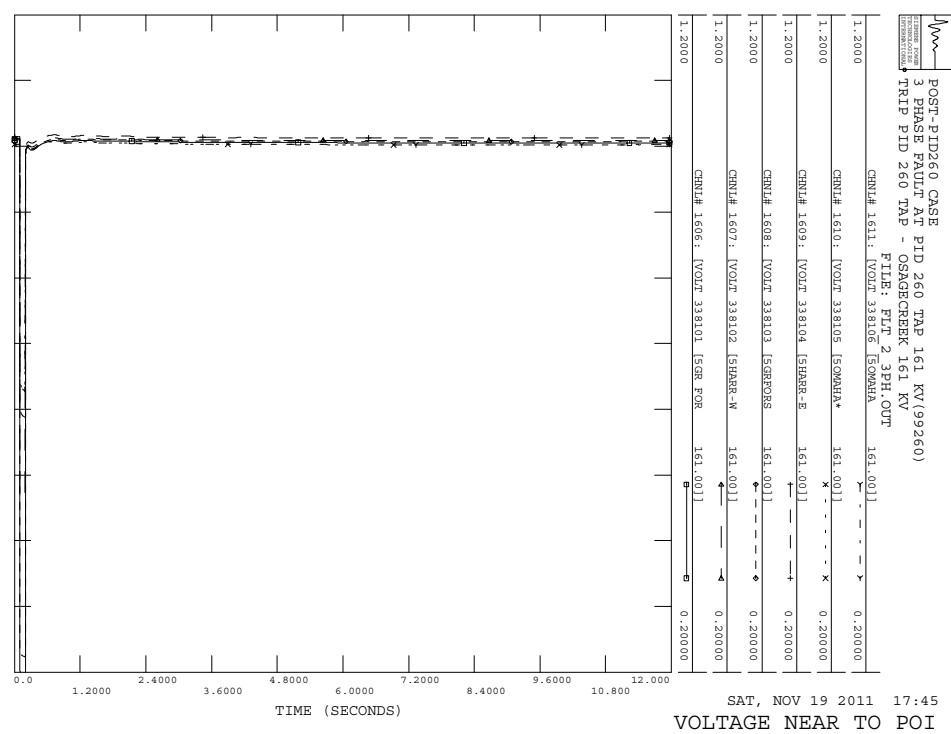
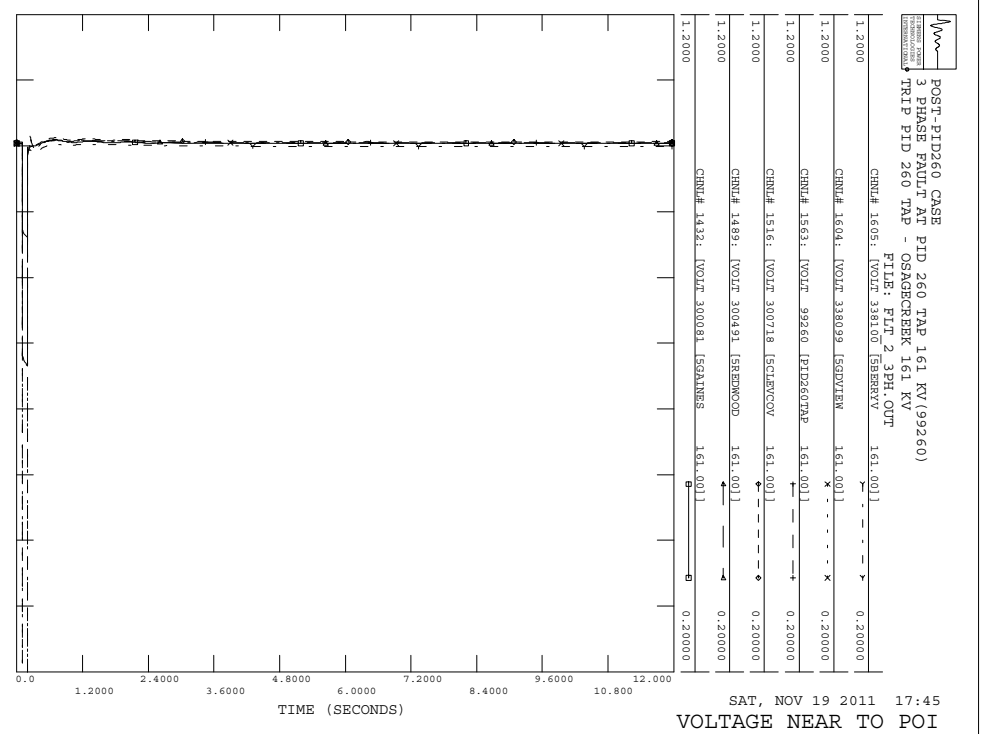
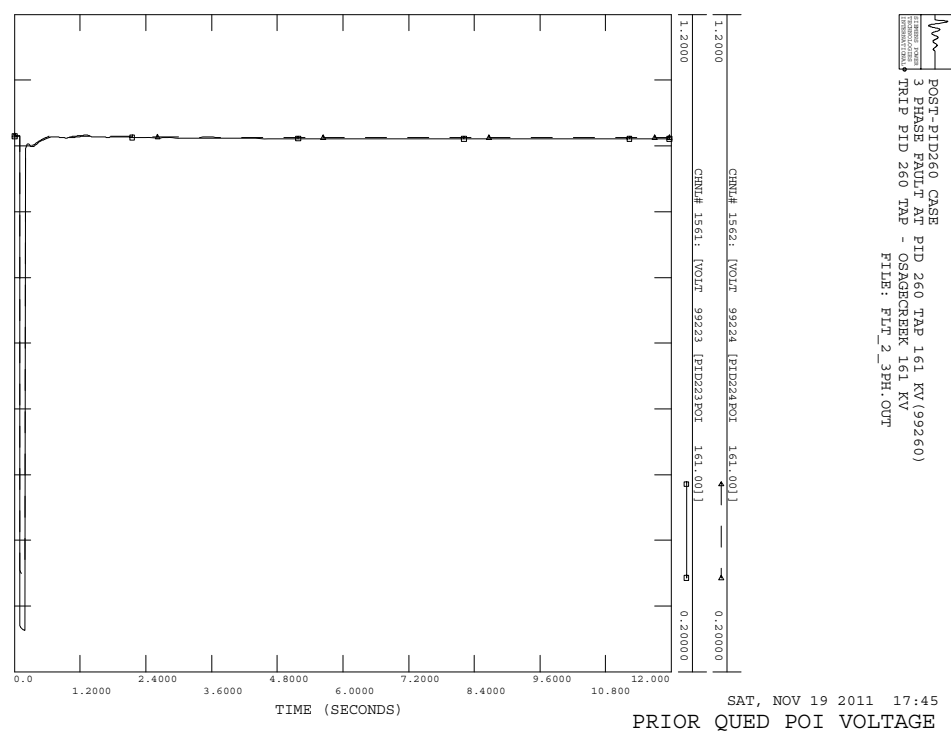


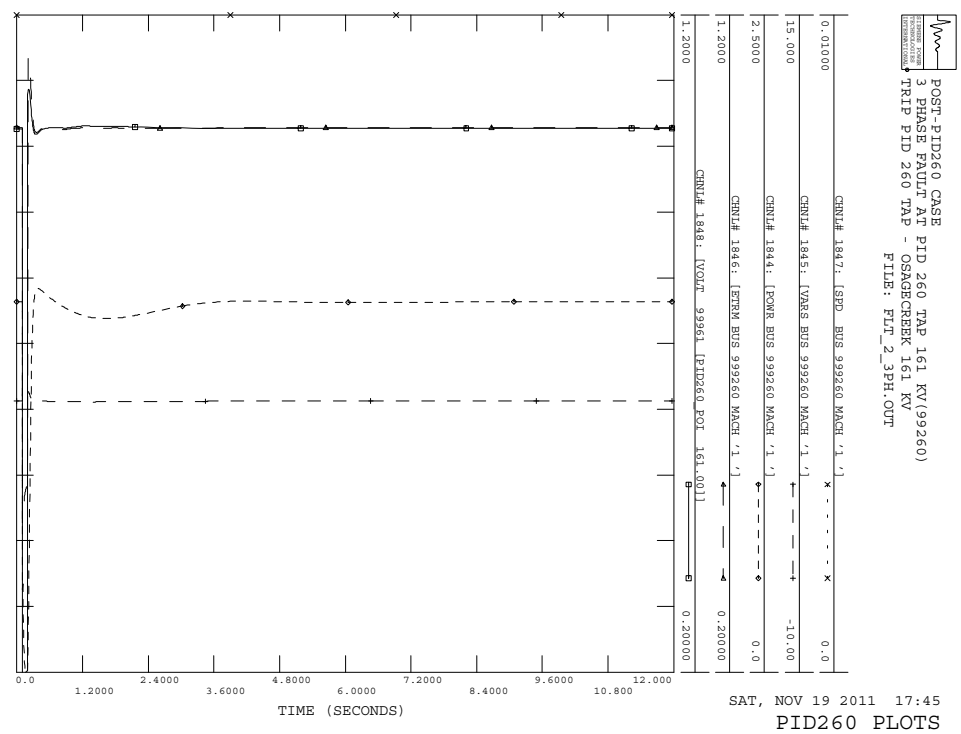
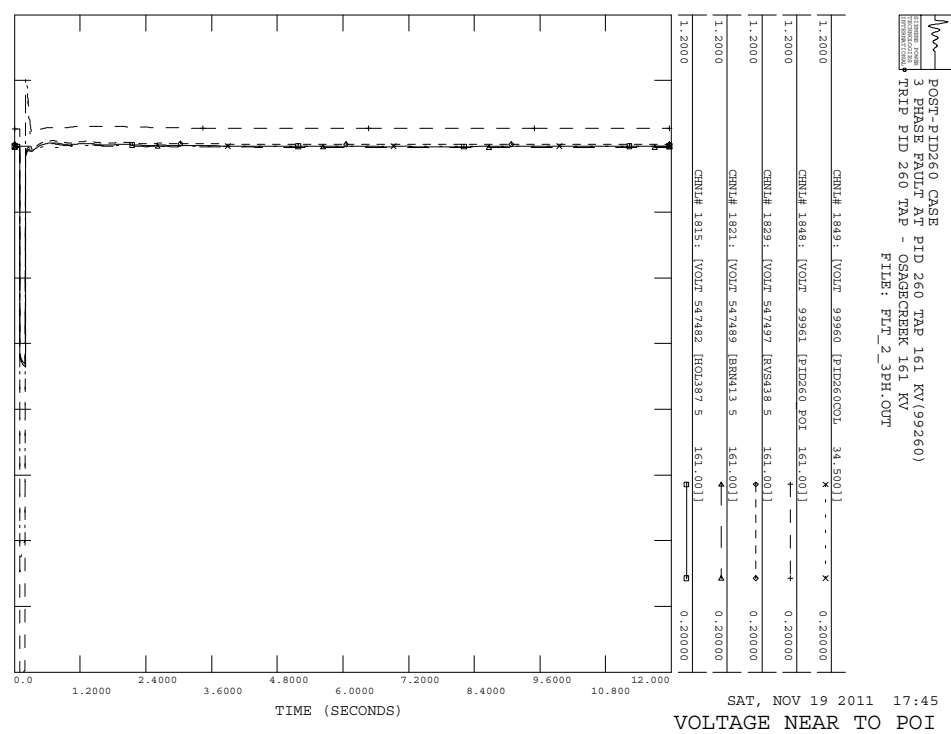
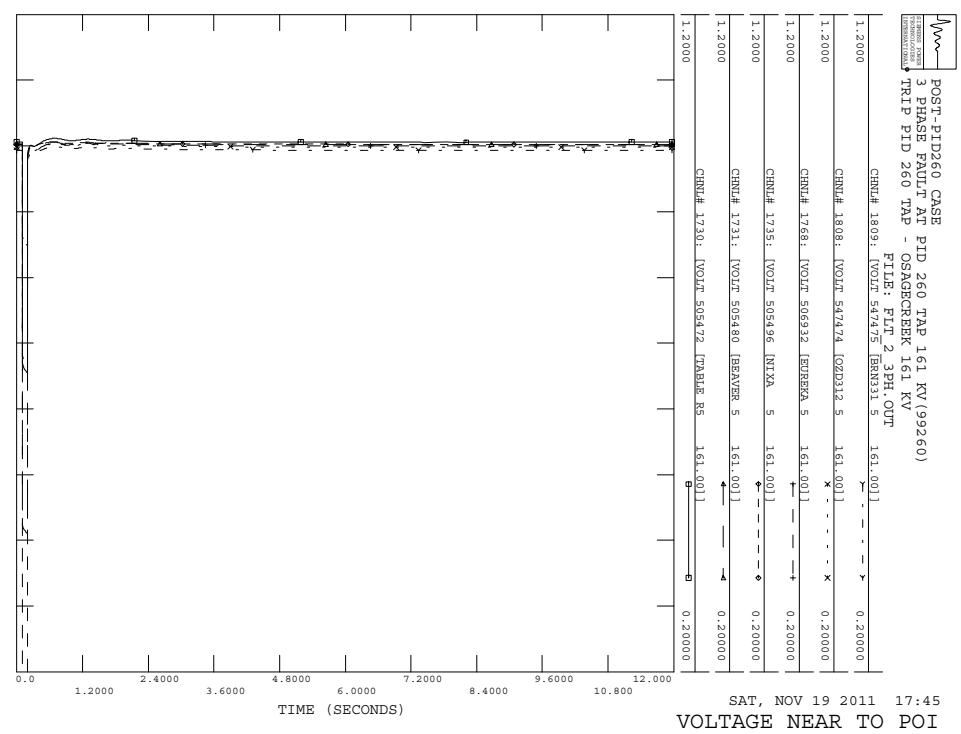
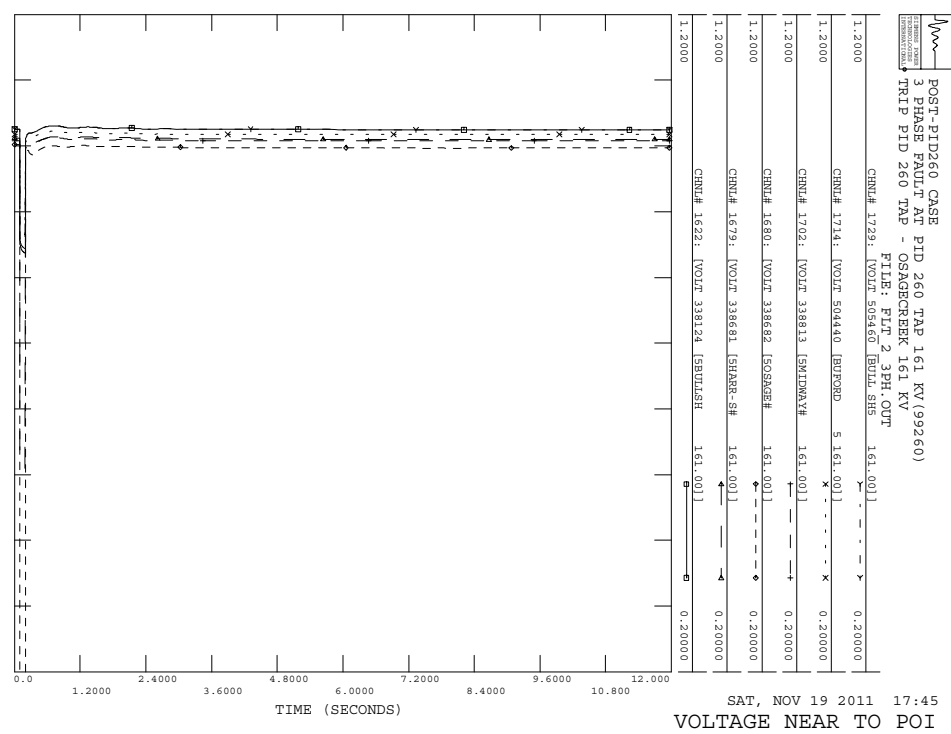
POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH.OUT





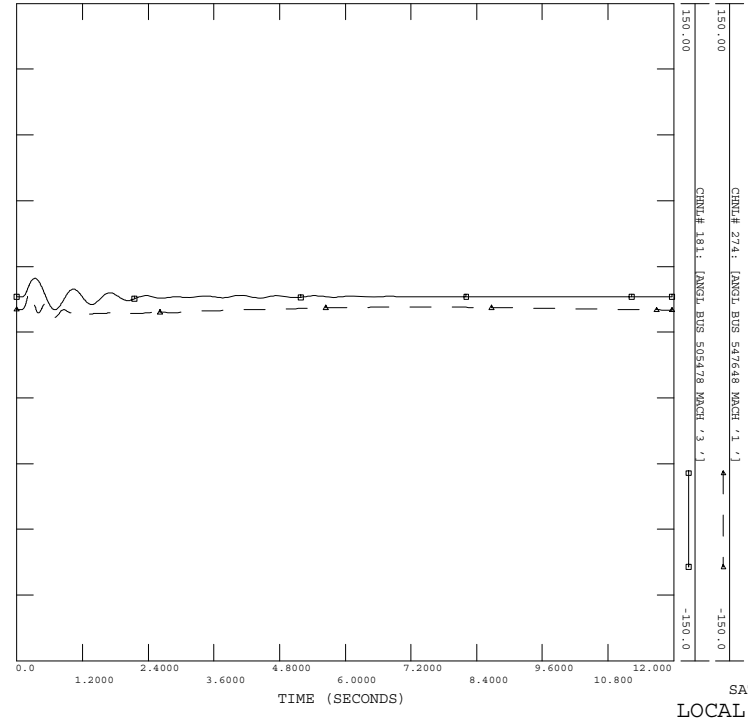


C.3 FLT_3_3PH

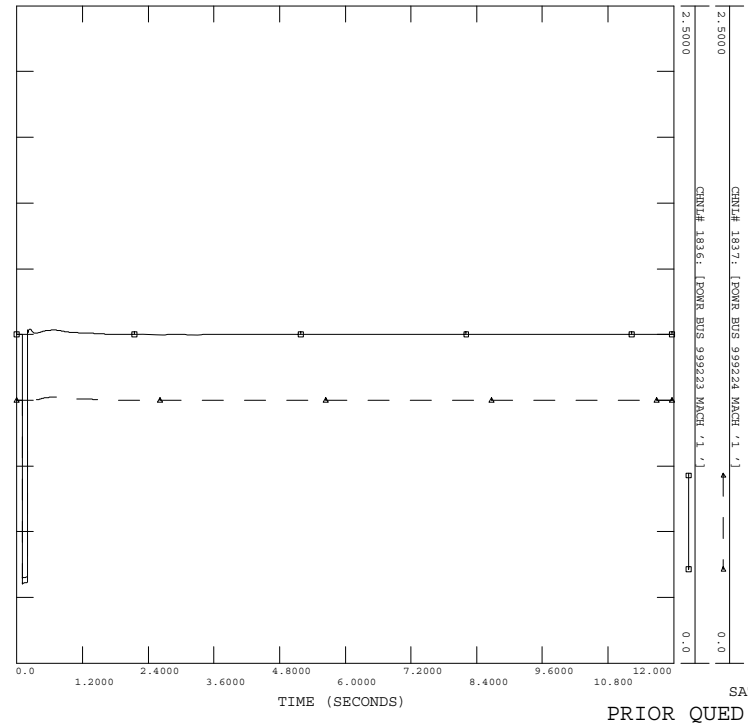
Three phase fault on the OsageCreek - EurekaSprings 161 kV line.

- a) Apply 3 Phase Fault at OsageCreek 161 kV bus
- b) Clear fault after 6 cycles by tripping OsageCreek - EurekaSprings 161 kV line

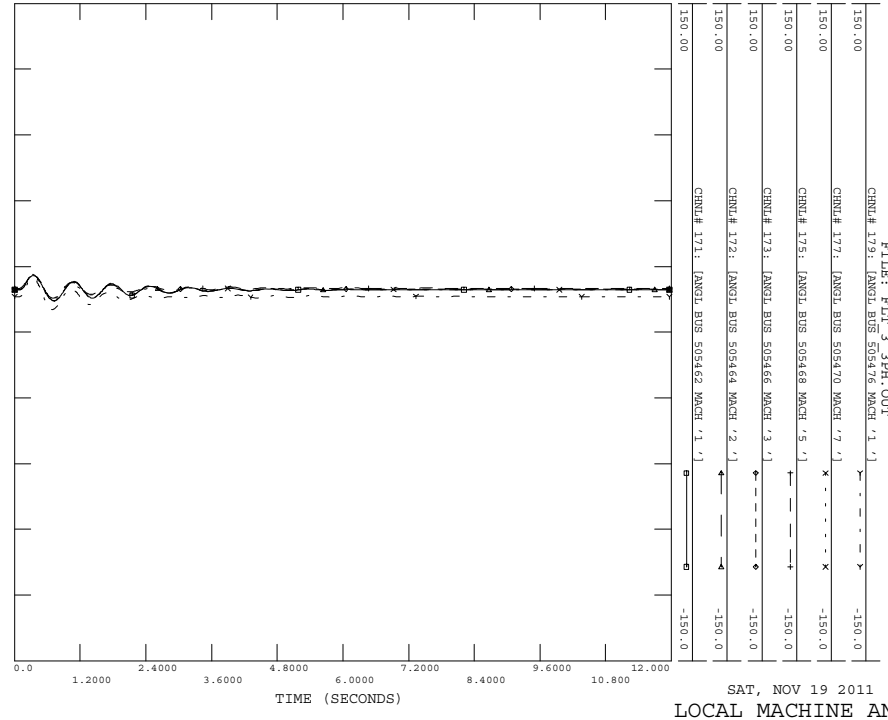
POST-PI260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK - EUREKASPRINGS 161 KV
 FILE: FLT_3_3PH.OUT



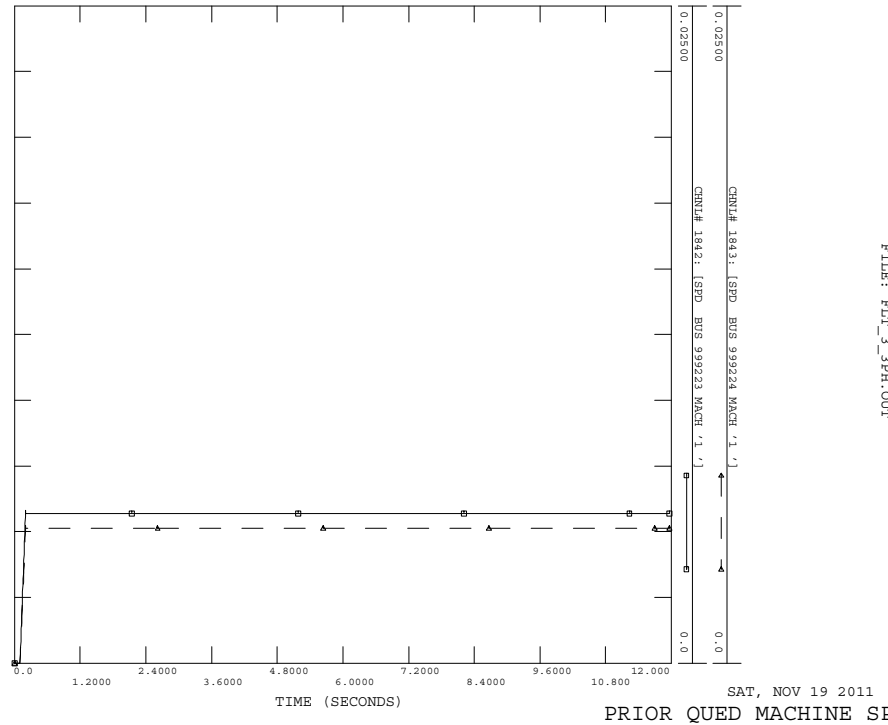
POST-PI260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK - EUREKASPRINGS 161 KV
 FILE: FLT_3_3PH.OUT

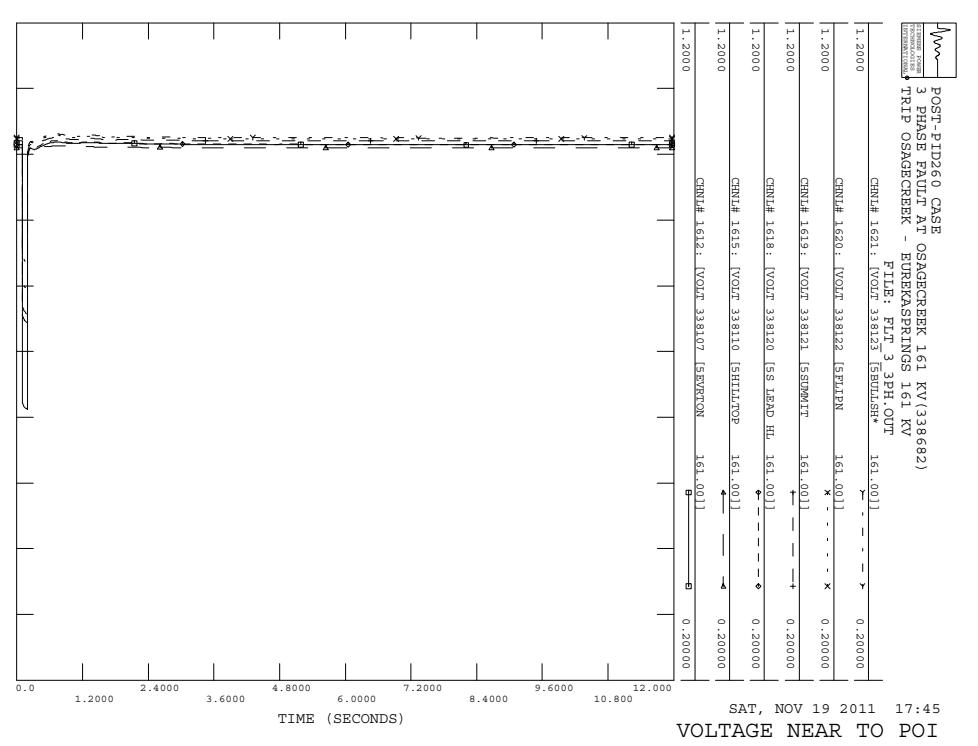
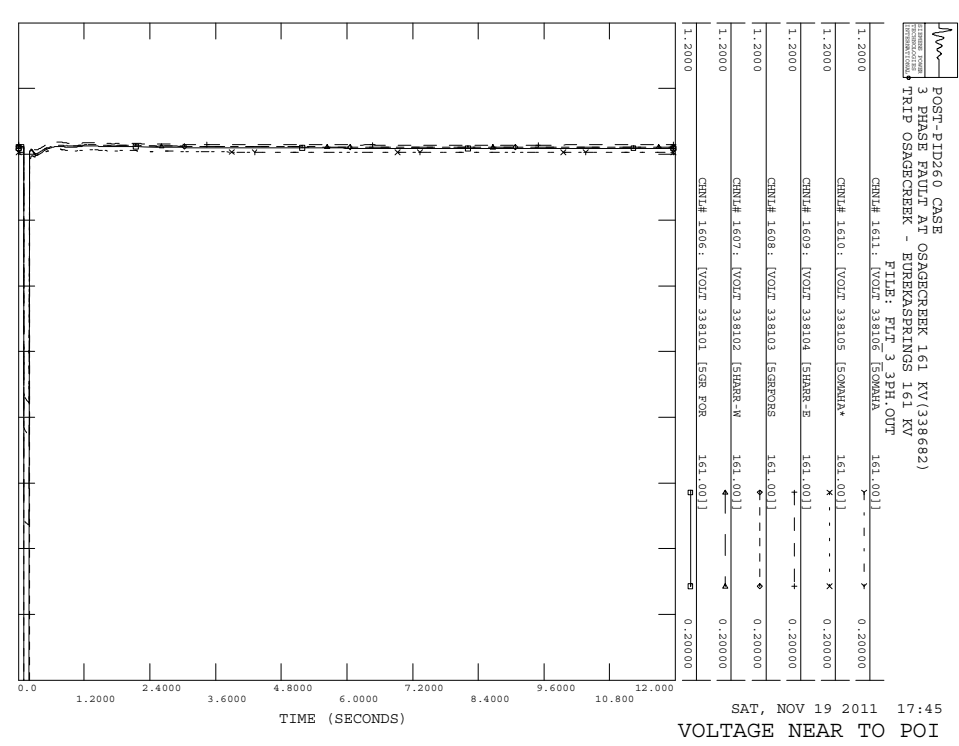
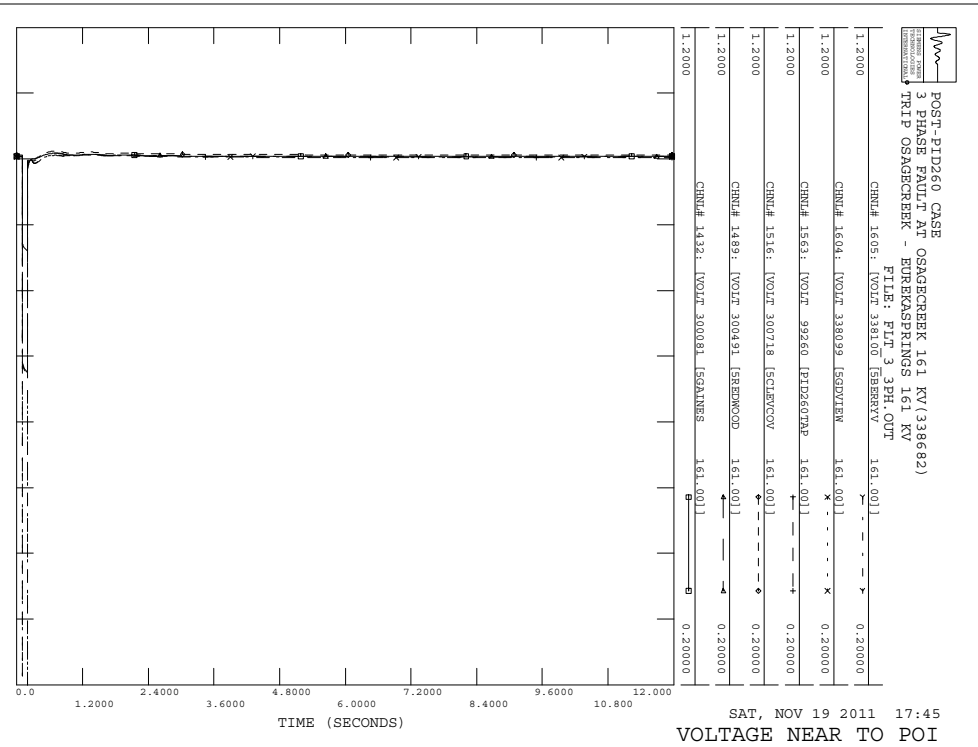
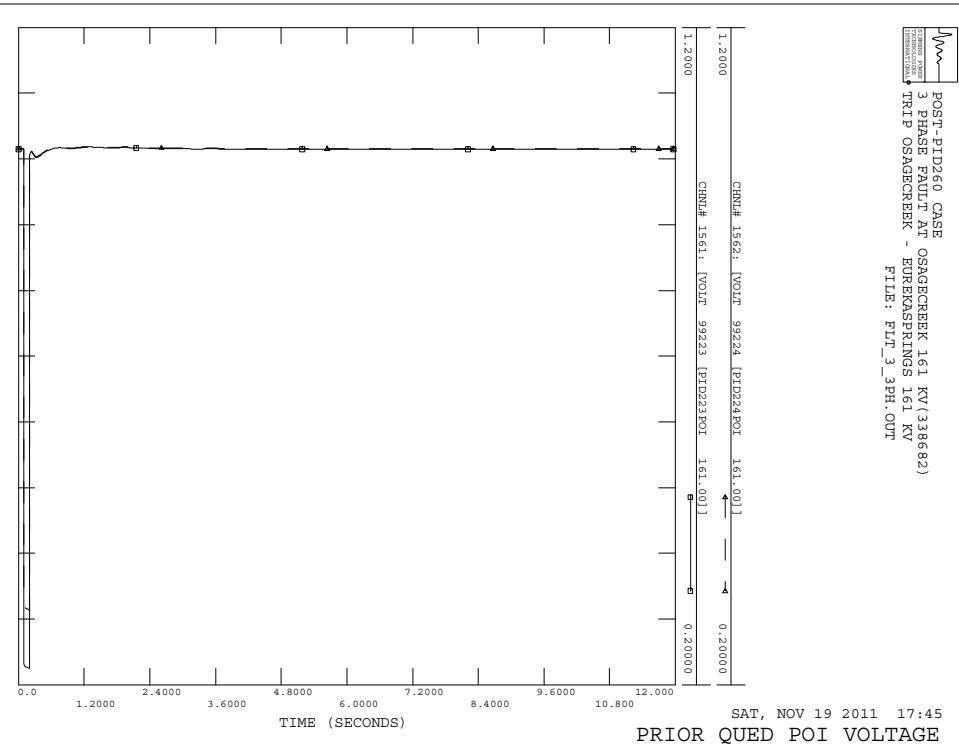


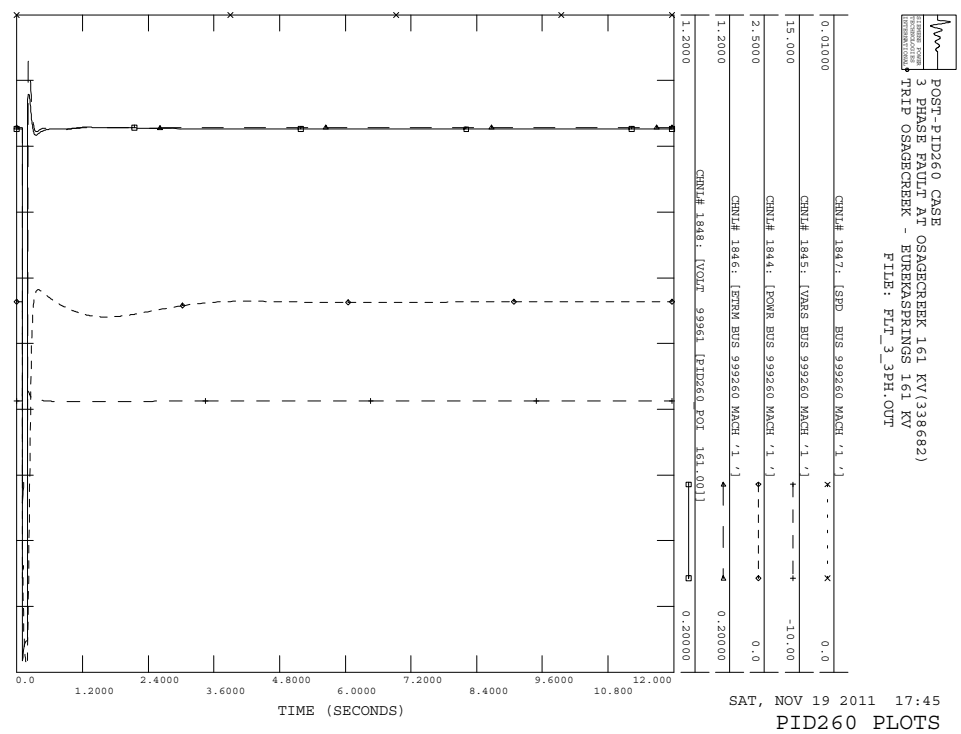
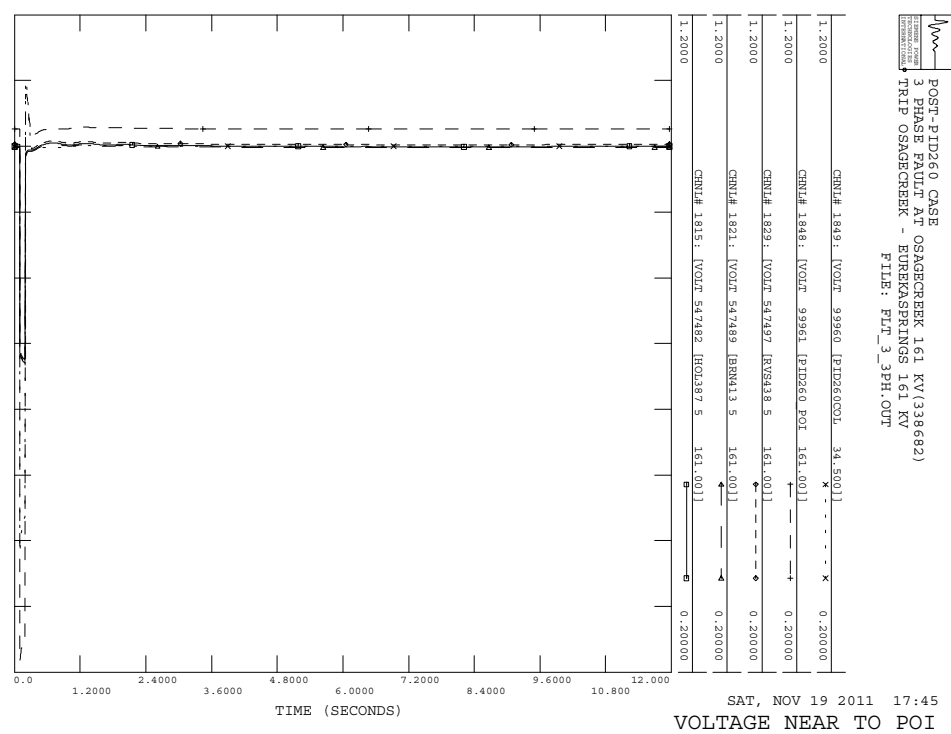
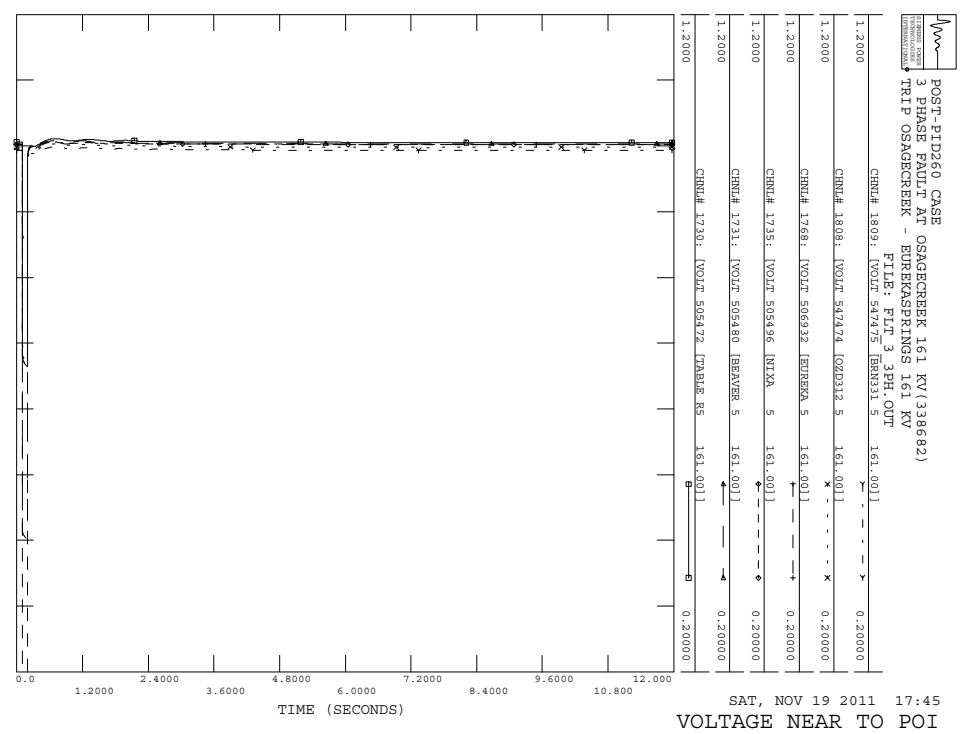
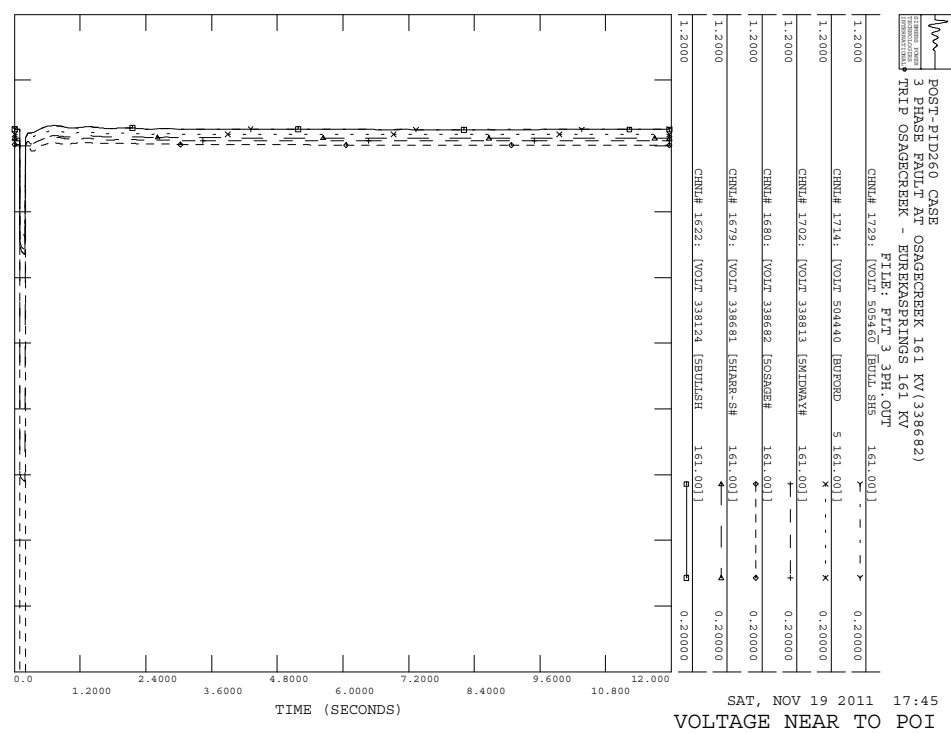
POST-PI260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK - EUREKASPRINGS 161 KV
 FILE: FLT_3_3PH.OUT



POST-PI260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK - EUREKASPRINGS 161 KV
 FILE: FLT_3_3PH.OUT





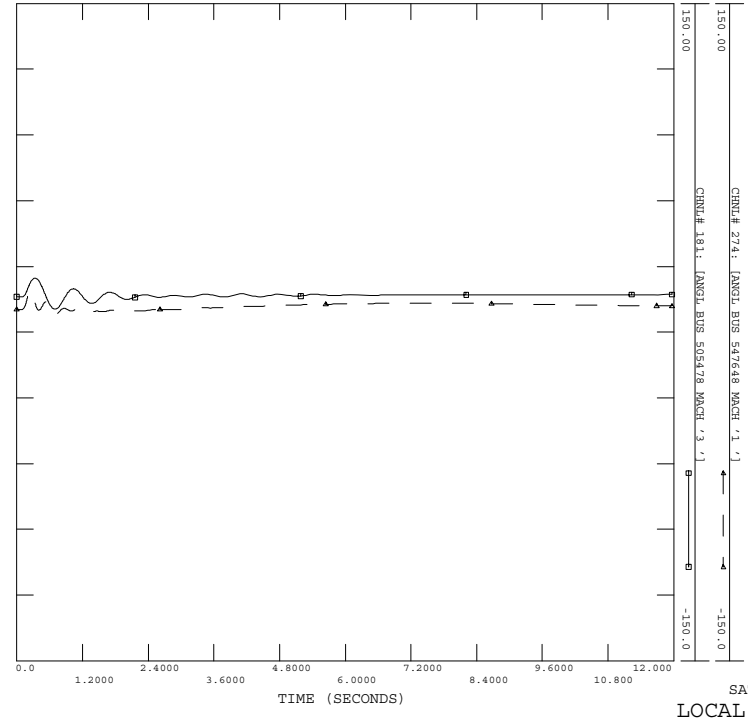


C.4 FLT_4_3PH

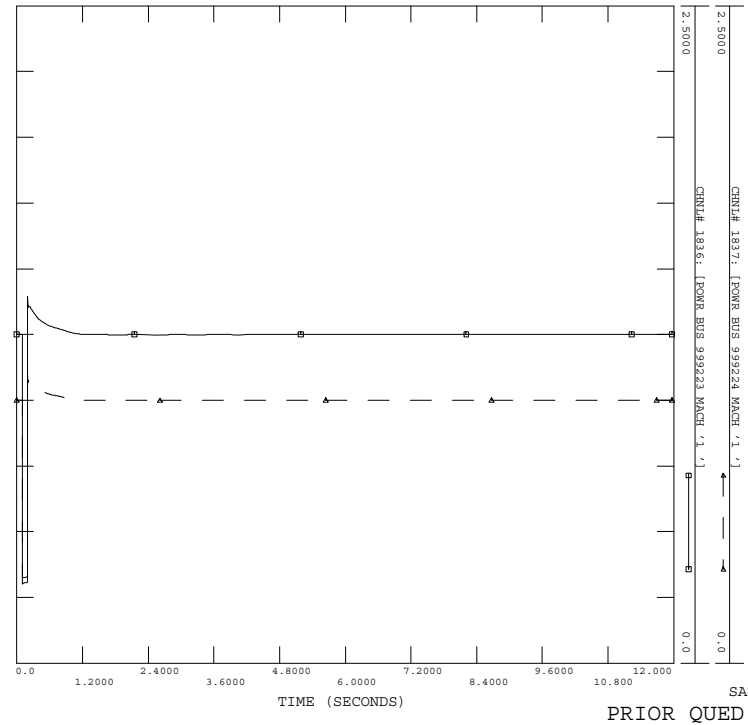
Three phase fault on the OsageCreek-Berryville 161 kV line.

- a) Apply 3 Phase Fault at OsageCreek 161 kV bus
- b) Clear fault after 6 cycles by tripping OsageCreek-PID223 POI 161 kV line

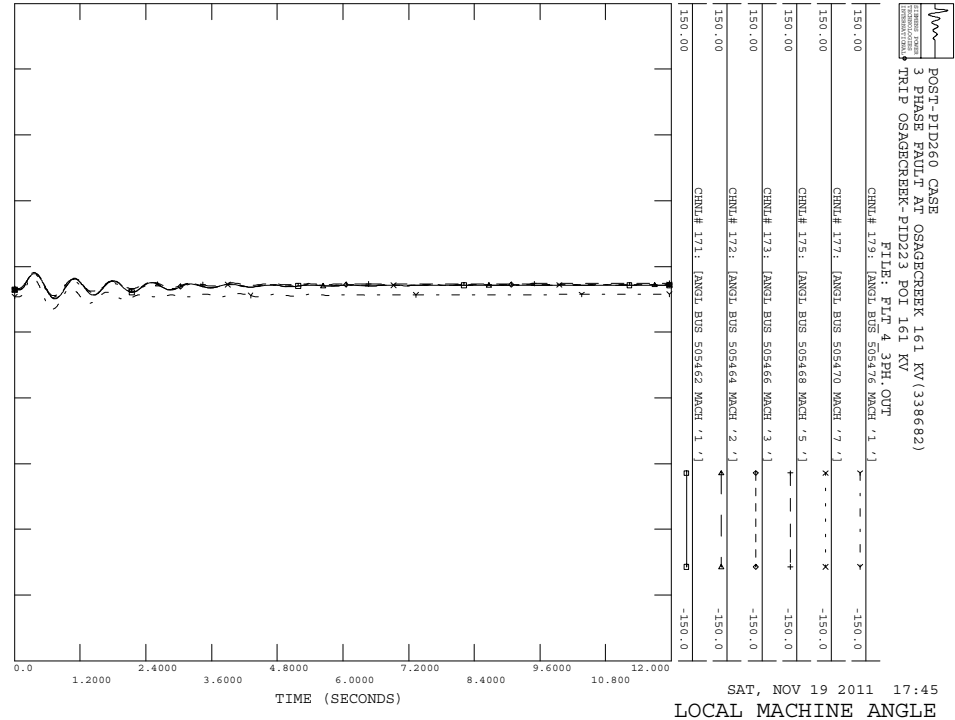
POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH.OUT



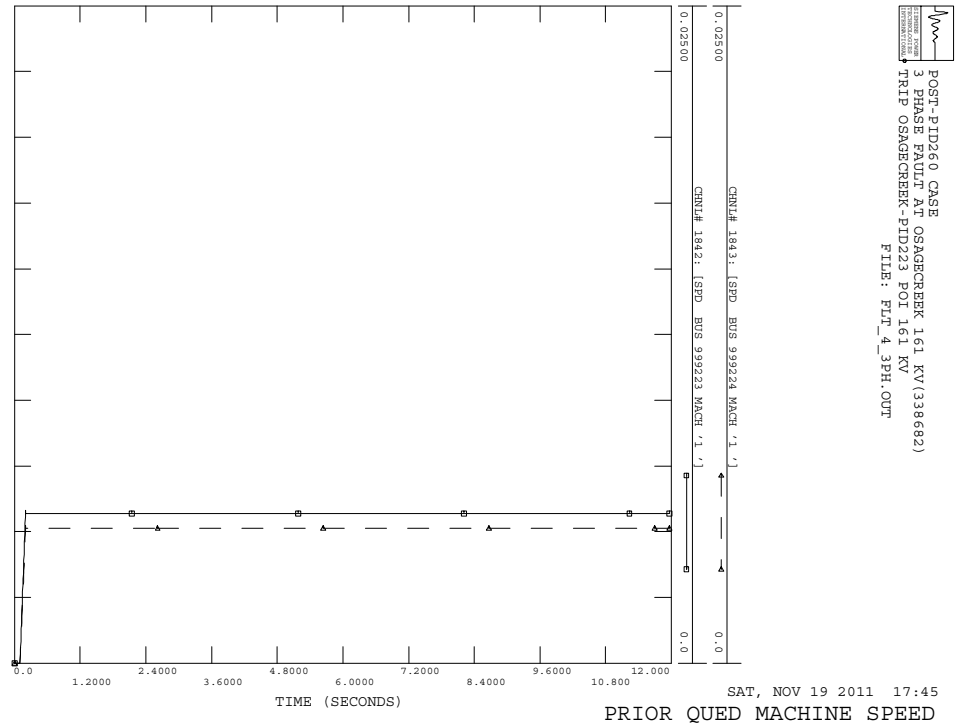
POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH.OUT



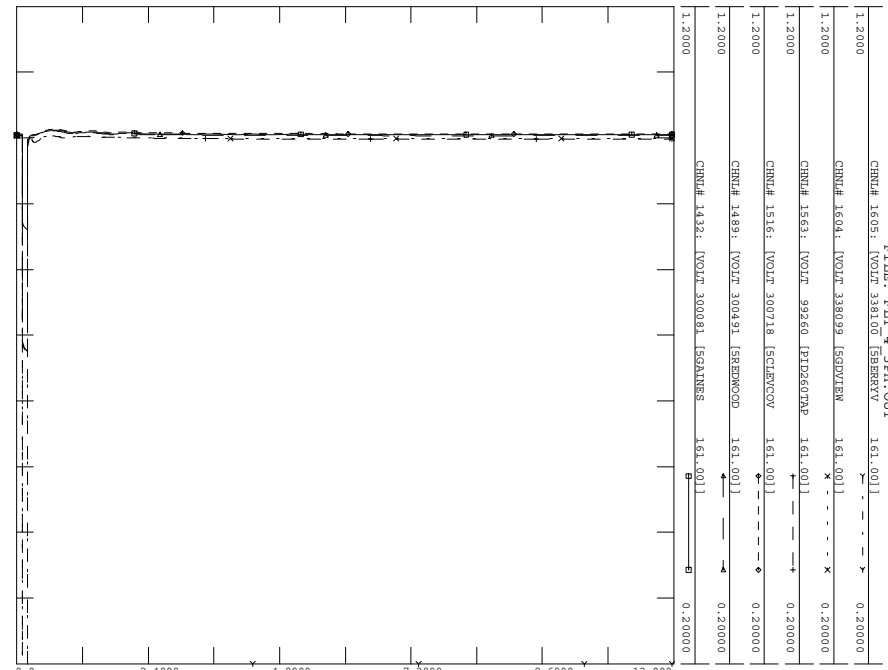
POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH.OUT

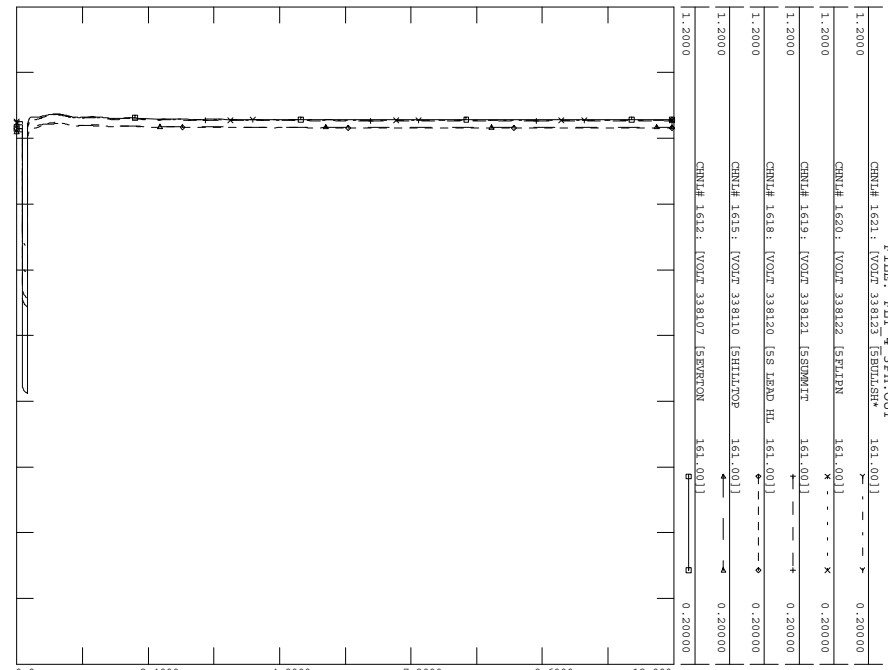


POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH_OUT



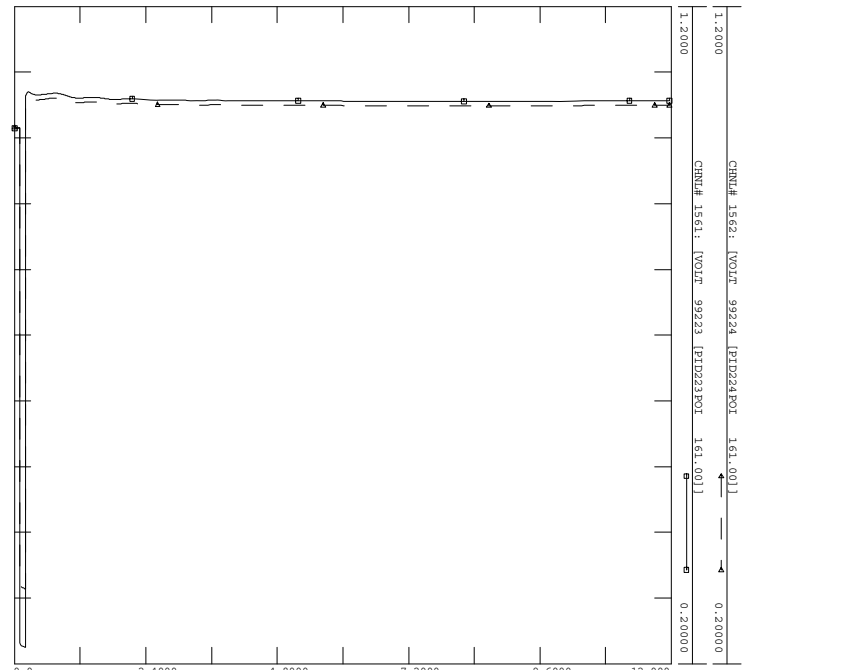
SAT, NOV 19 2011 17:45
 VOLTAGE NEAR TO POI

POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH_OUT



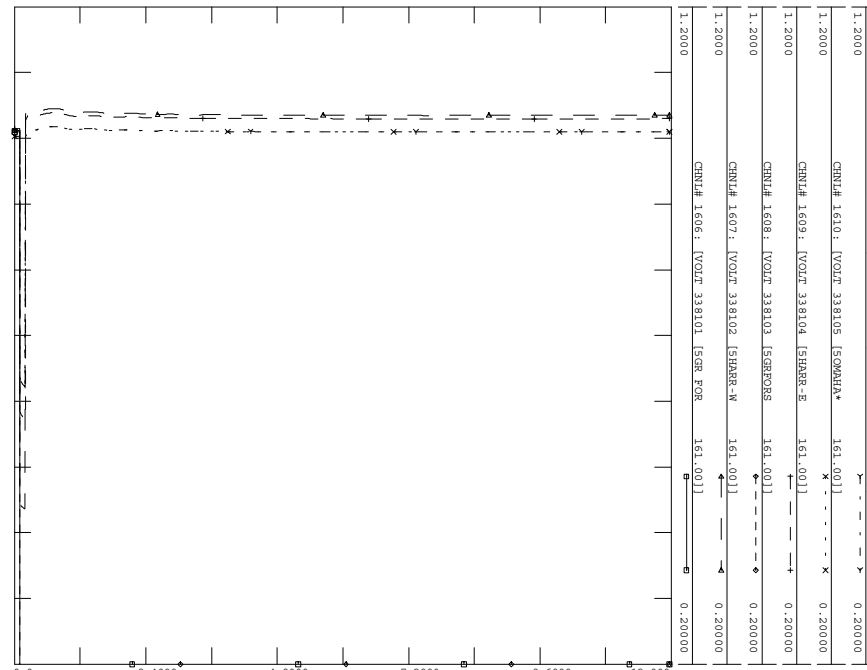
SAT, NOV 19 2011 17:45
 VOLTAGE NEAR TO POI

POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH_OUT

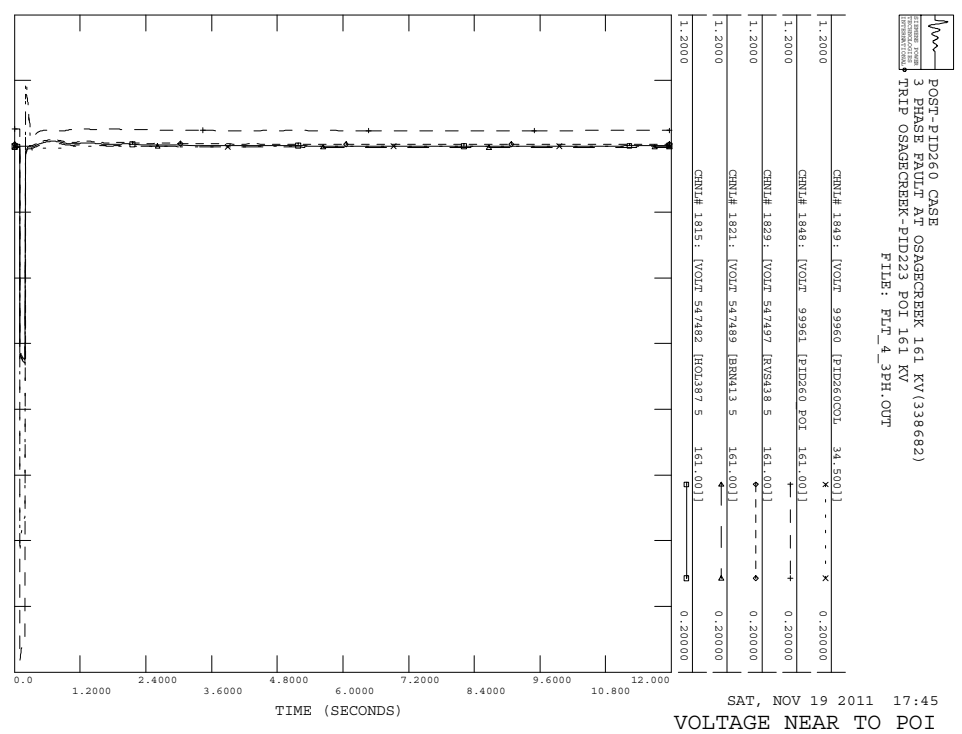
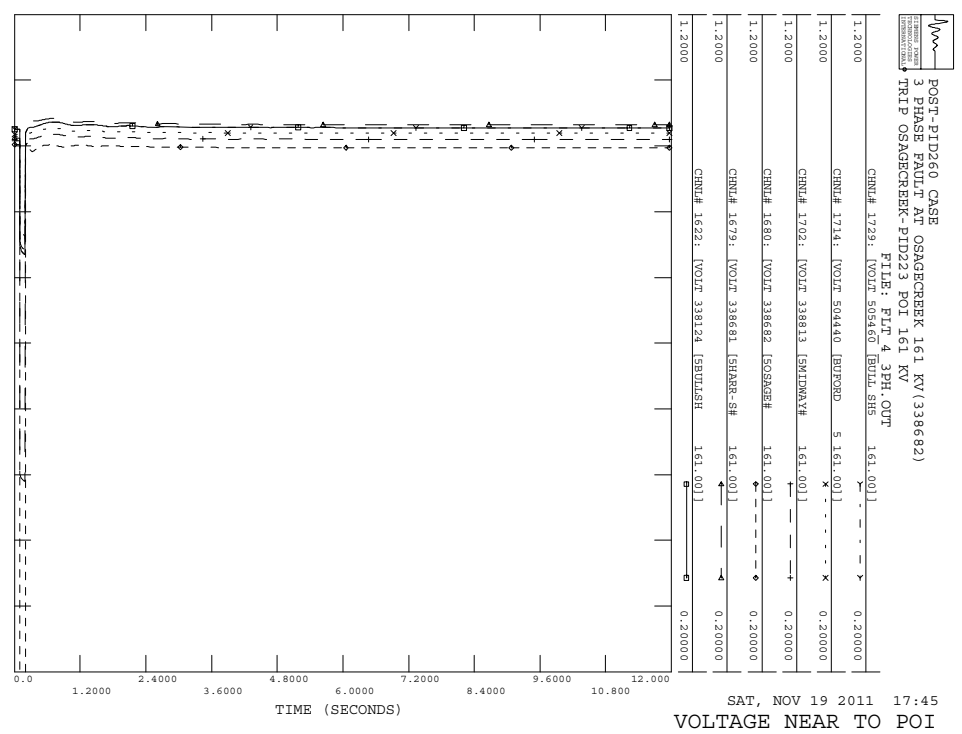
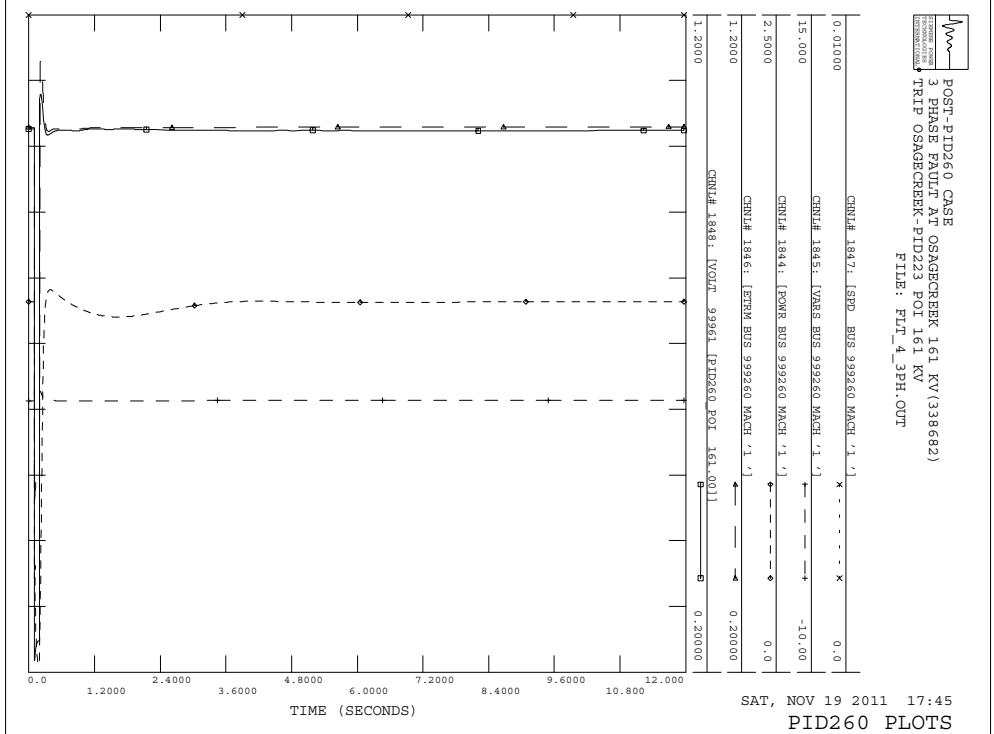
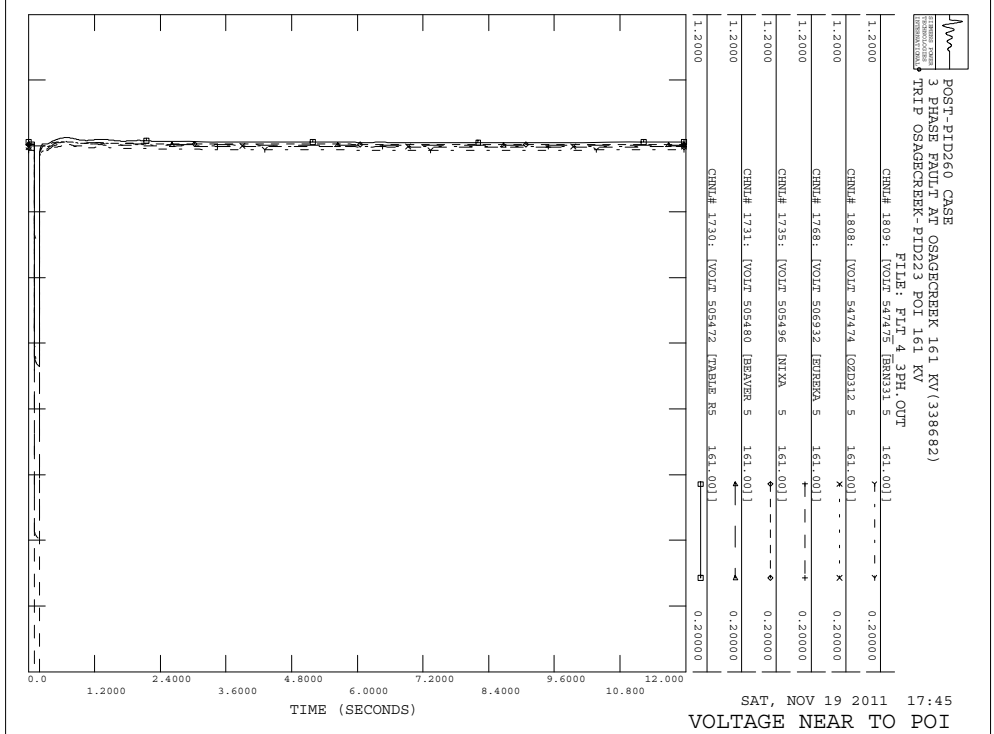


SAT, NOV 19 2011 17:45
 PRIOR QUED POI VOLTAGE

POST-PID260 CASE
 3 PHASE FAULT AT OSAGECREEK 161 KV (338682)
 TRIP OSAGECREEK-PID223 POI 161 KV
 FILE: FLT_4_3PH_OUT



SAT, NOV 19 2011 17:45
 VOLTAGE NEAR TO POI

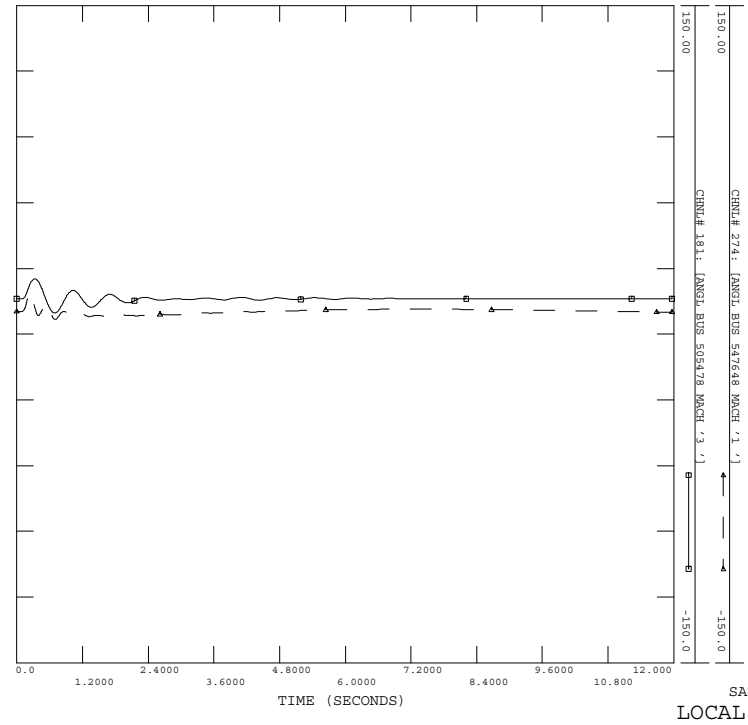


C.5 FLT_5_3PH

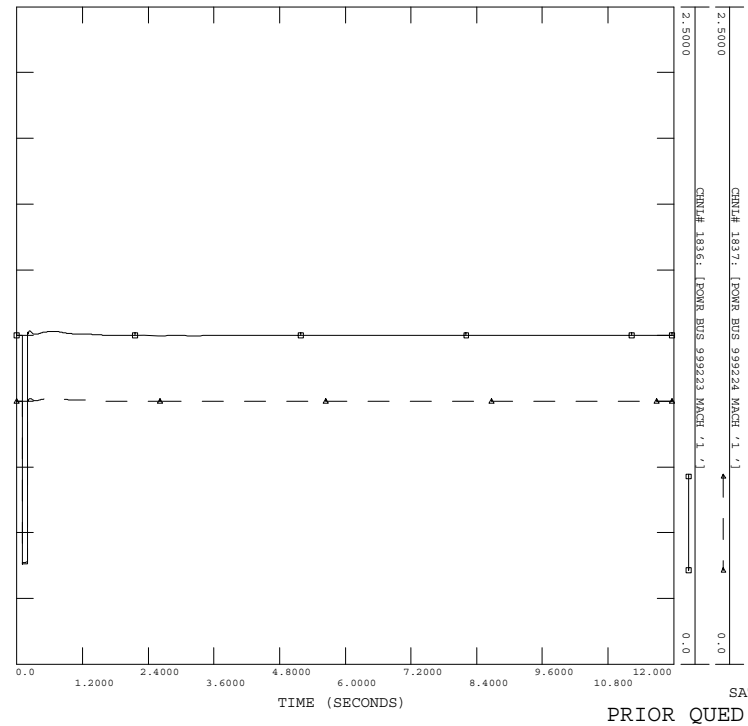
Three phase fault on the Grandview - Eureka Springs 161 kV line.

- a) Apply 3 Phase Fault at Grandview 161 kV bus
- b) Clear fault after 6 cycles by tripping Grandview - Eureka Springs 161 kV line

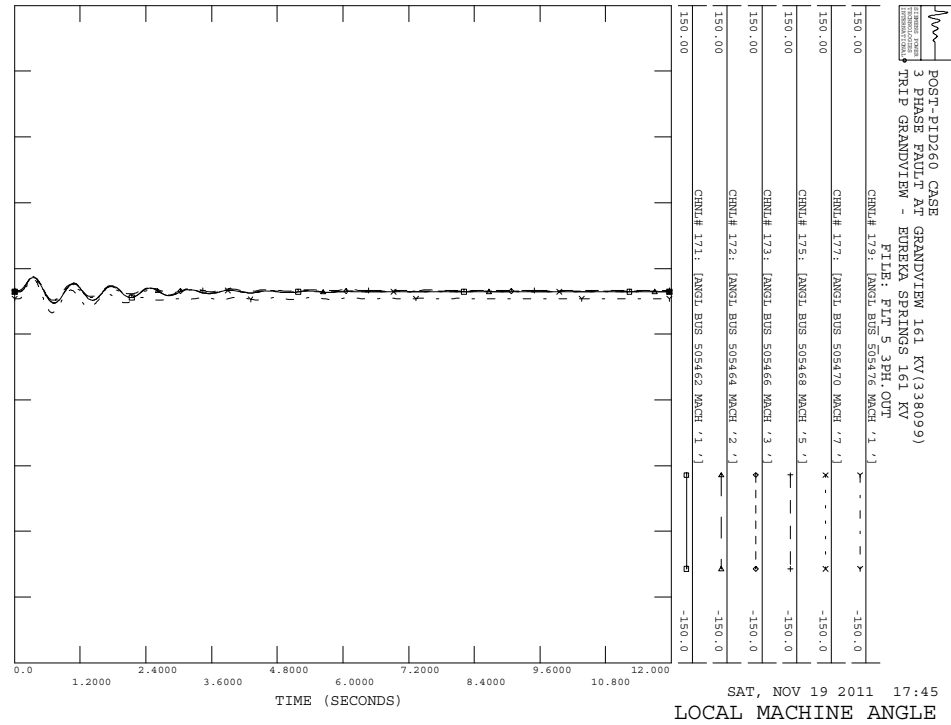
POST-PTD260 CASE
 3 PHASE FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - EUREKA SPRINGS 161 KV
 FILE: FLT_5_3PH.OUT



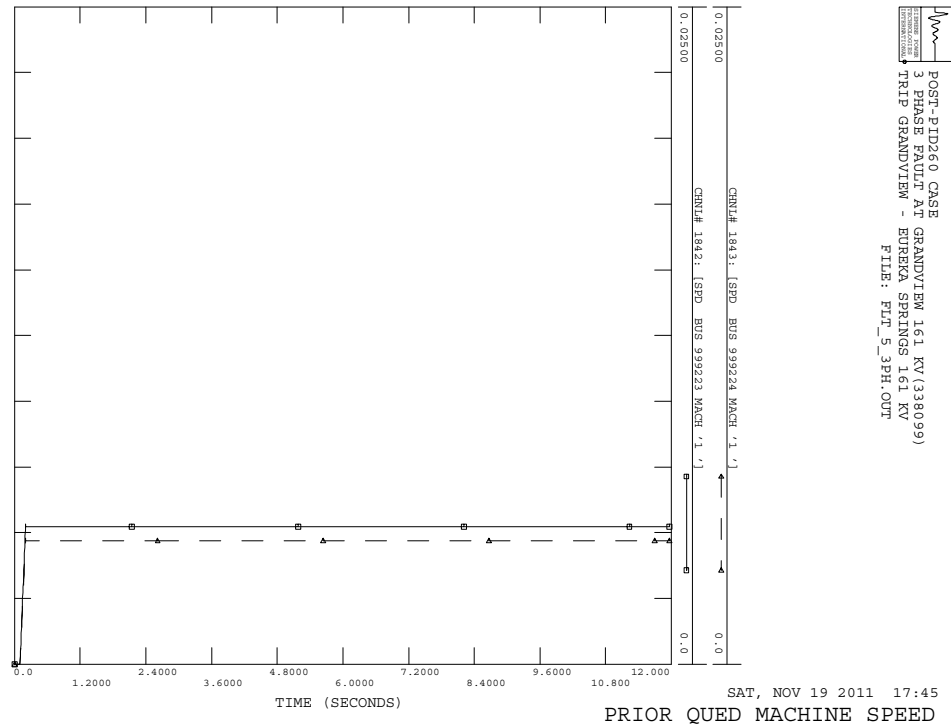
POST-PTD260 CASE
 3 PHASE FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - EUREKA SPRINGS 161 KV
 FILE: FLT_5_3PH.OUT

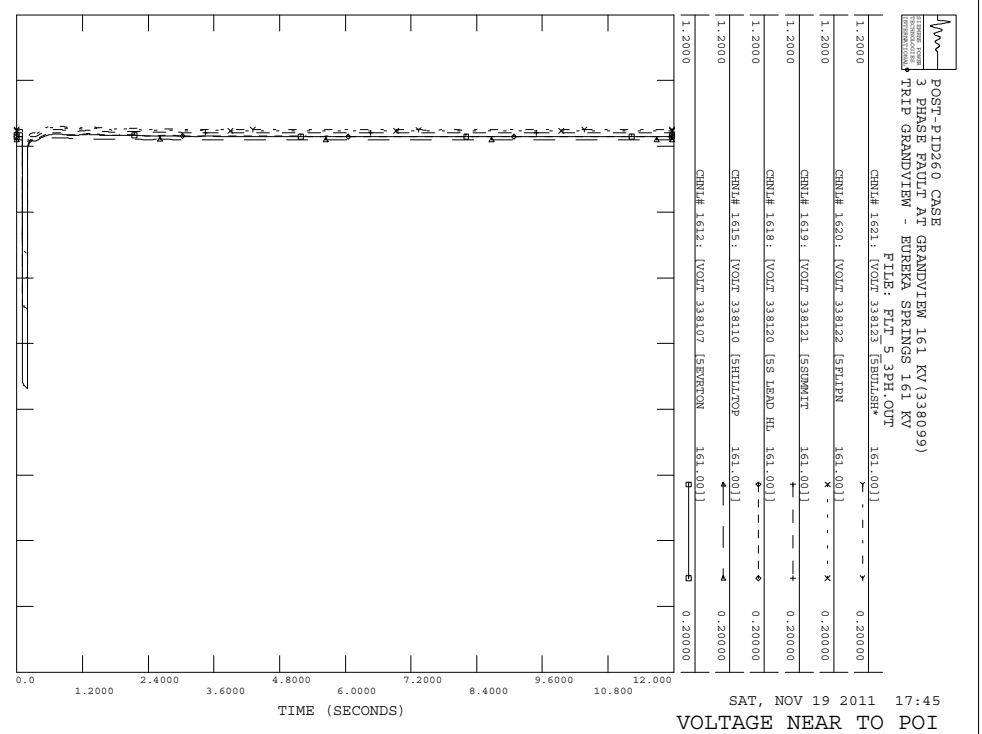
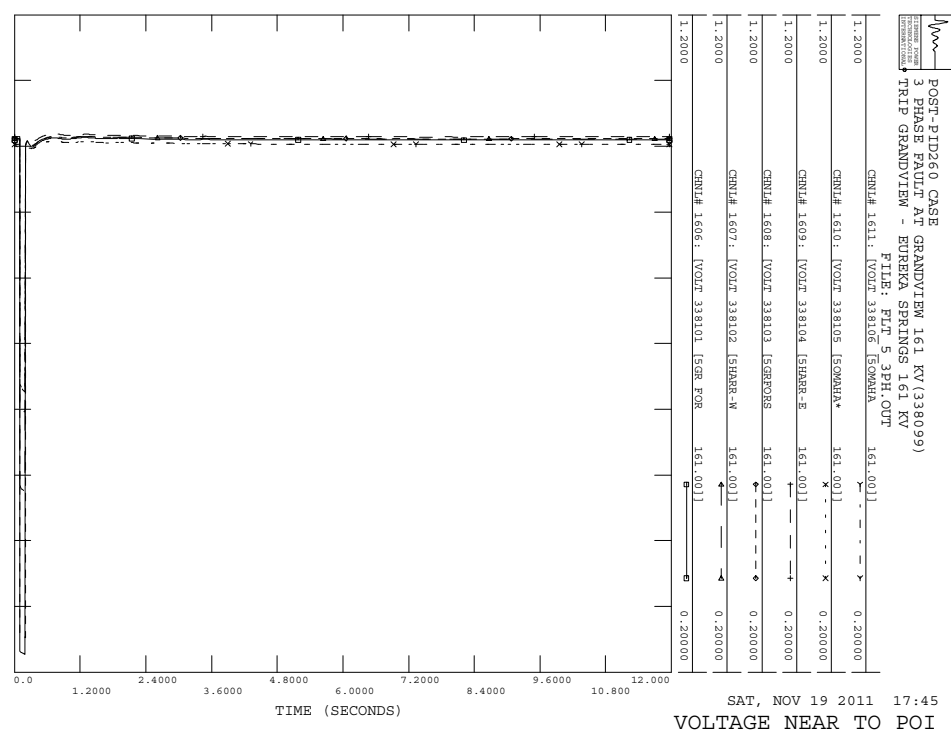
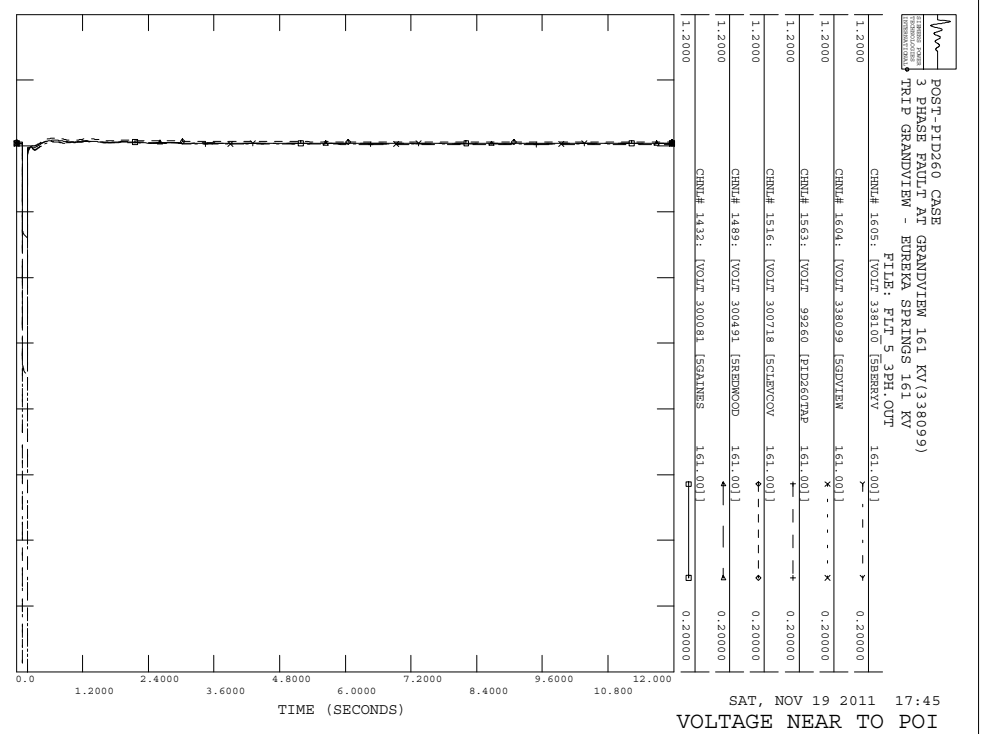
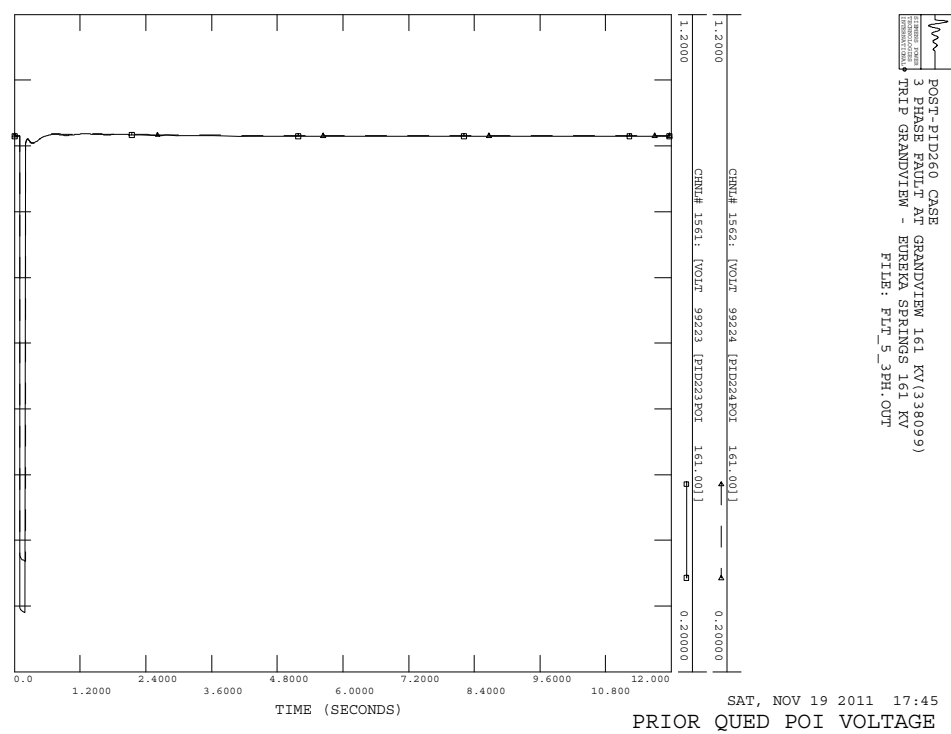


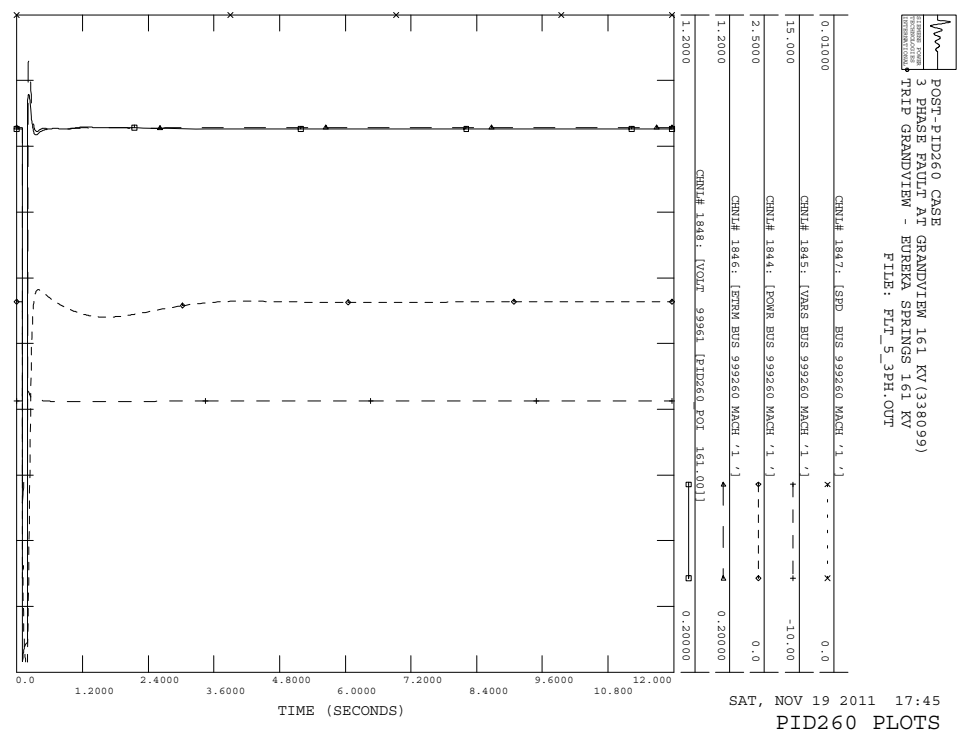
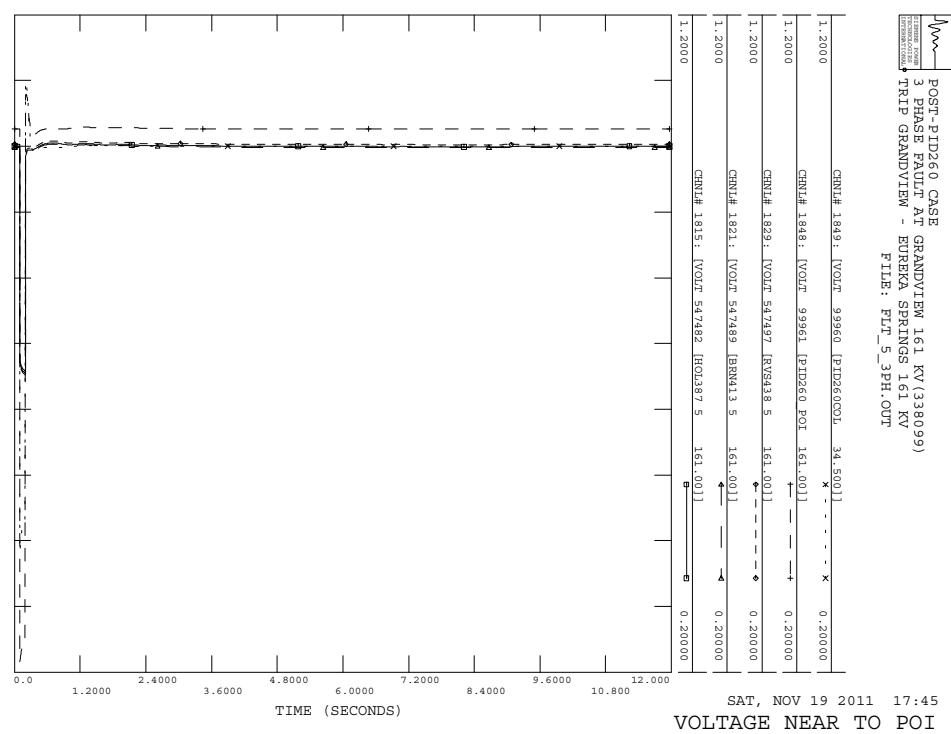
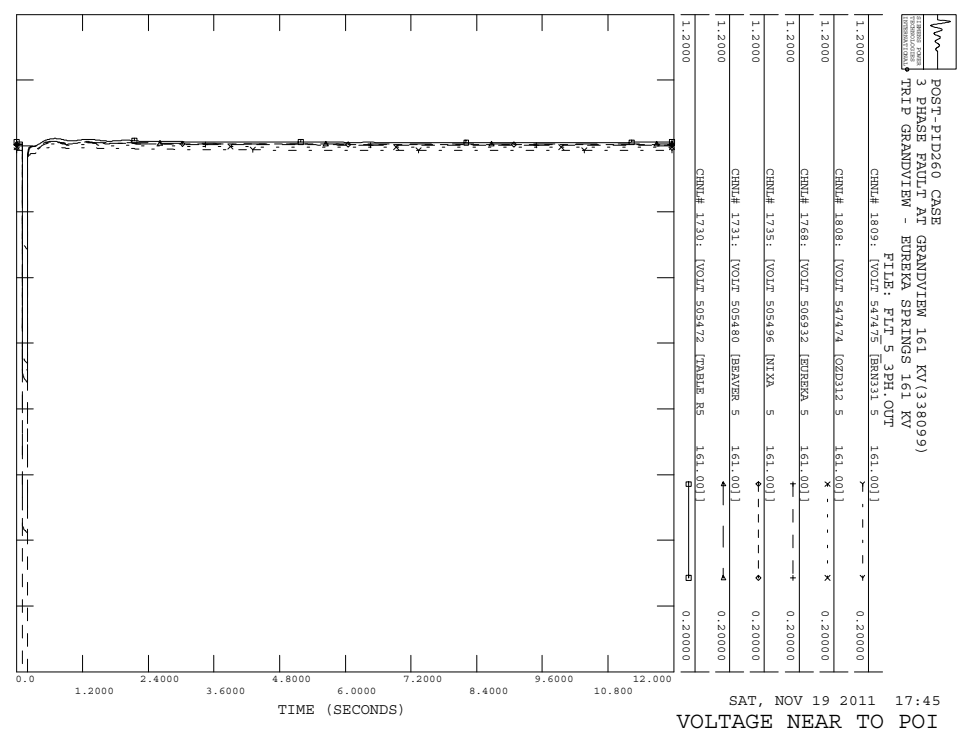
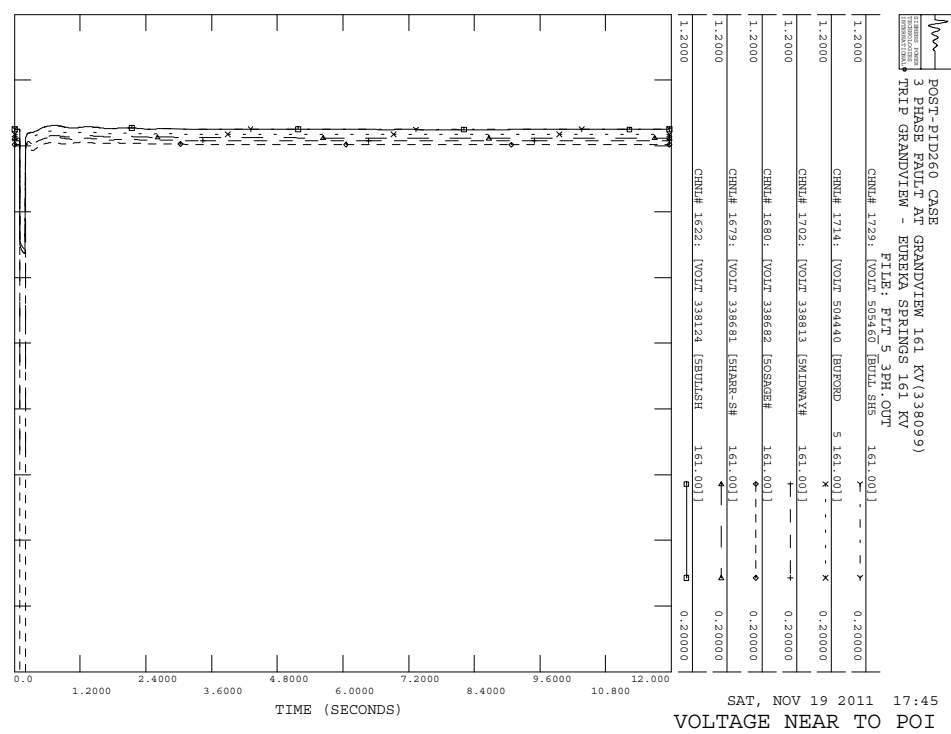
POST-PTD260 CASE
 3 PHASE FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - EUREKA SPRINGS 161 KV
 FILE: FLT_5_3PH.OUT



POST-PTD260 CASE
 3 PHASE FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - EUREKA SPRINGS 161 KV
 FILE: FLT_5_3PH.OUT





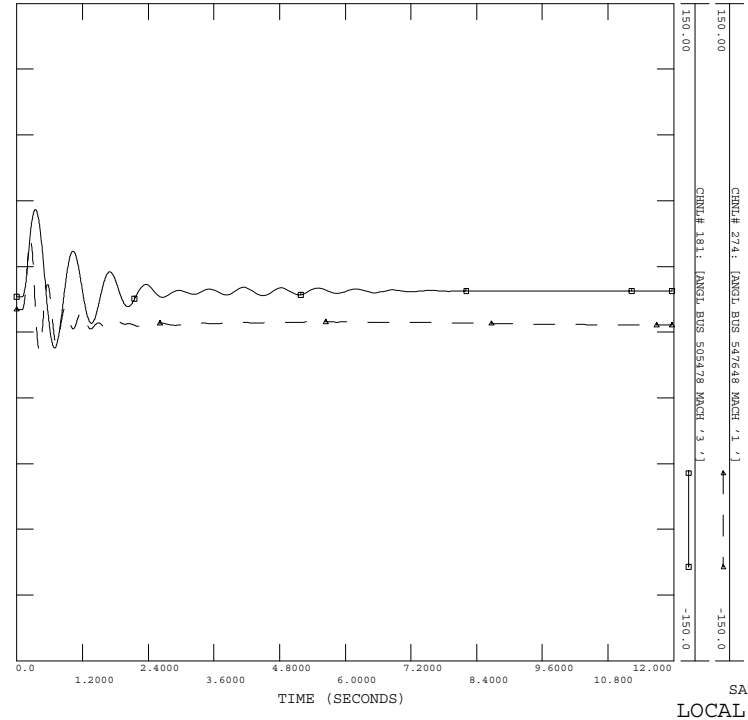


C.6 FLT_6_3PH

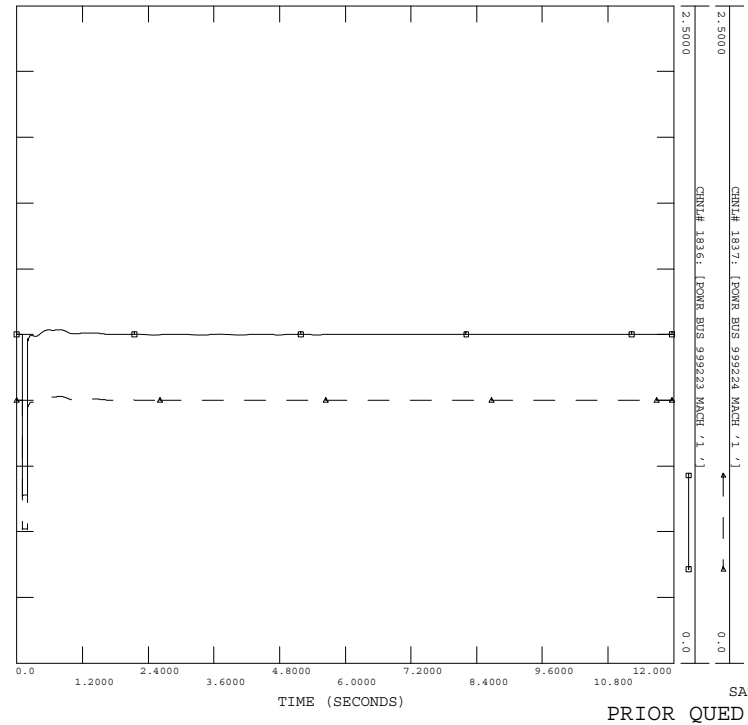
Three phase fault on the Table Rock - Riverside 161 kV line.

- a) Apply 3 Phase Fault at Table Rock 161 kV bus
- b) Clear fault after 6 cycles by tripping Table Rock - Riverside 161 kV line

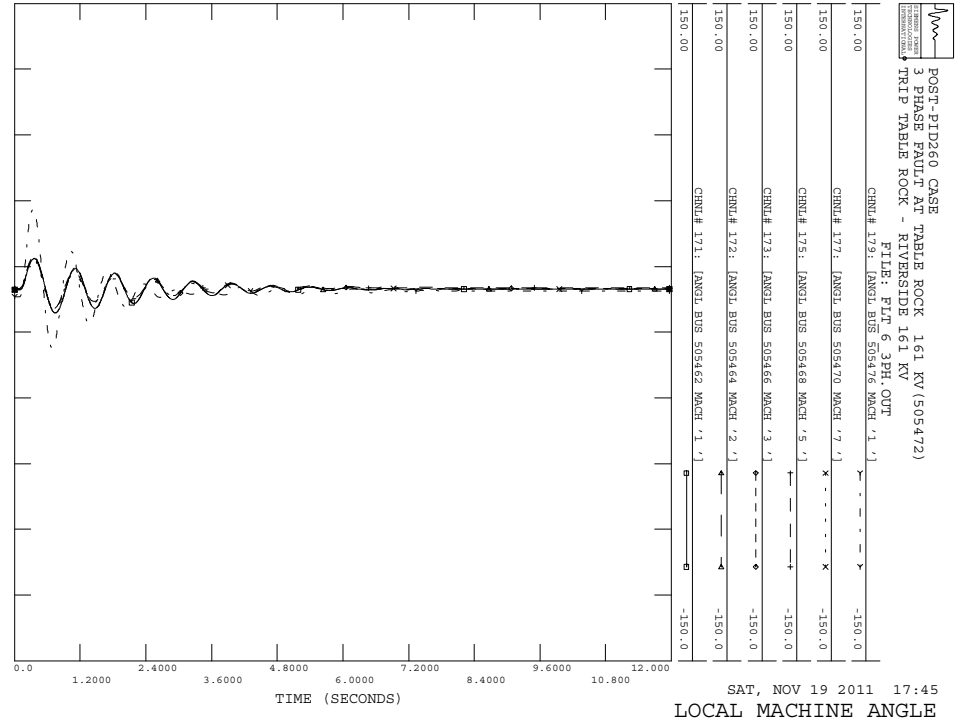
POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - RIVERSIDE 161 KV
 FILE: FLT_6_3PH.OUT



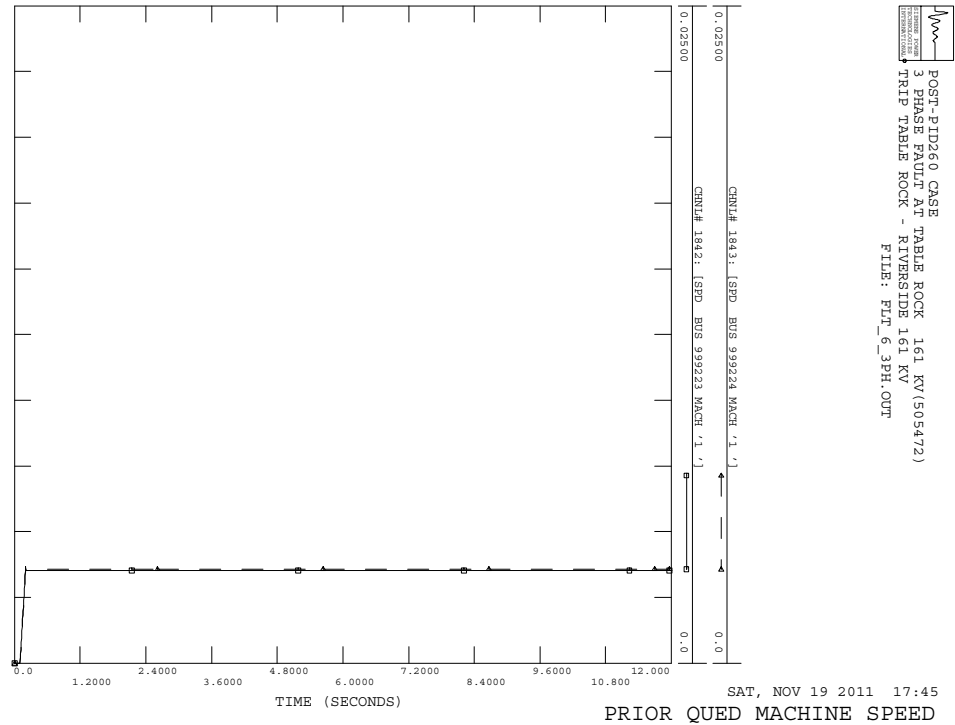
POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - RIVERSIDE 161 KV
 FILE: FLT_6_3PH.OUT

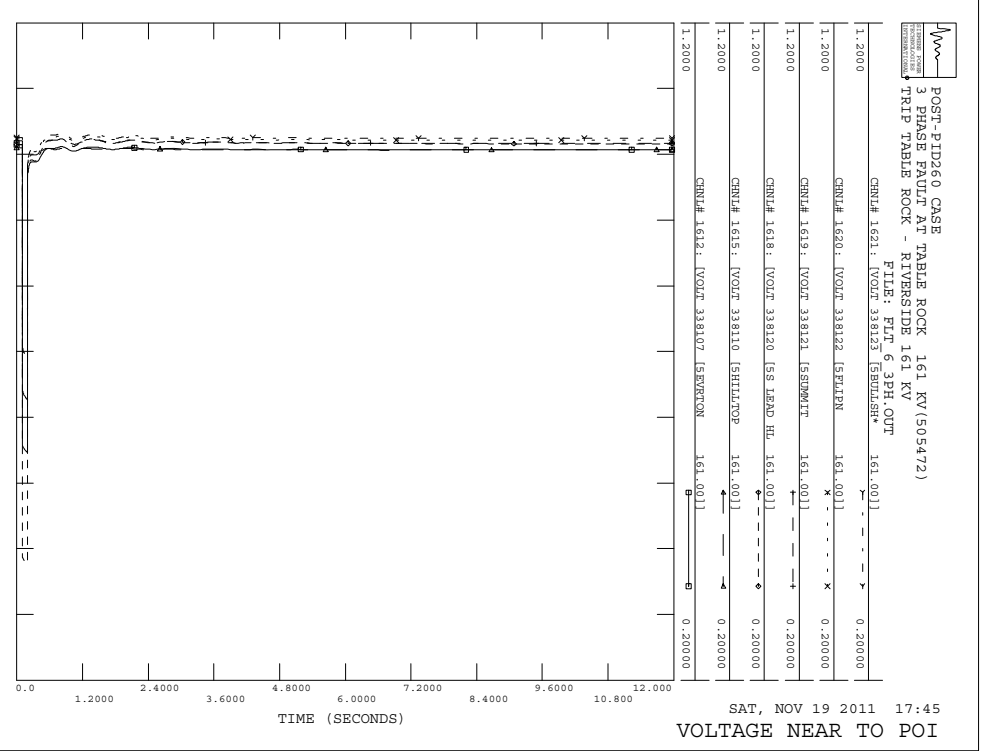
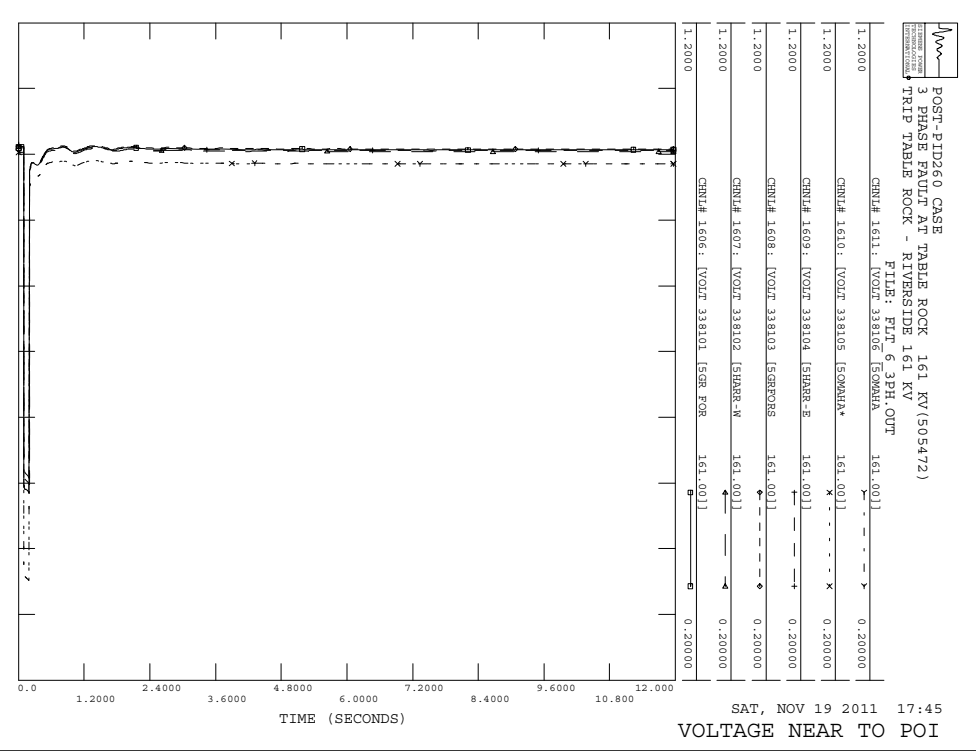
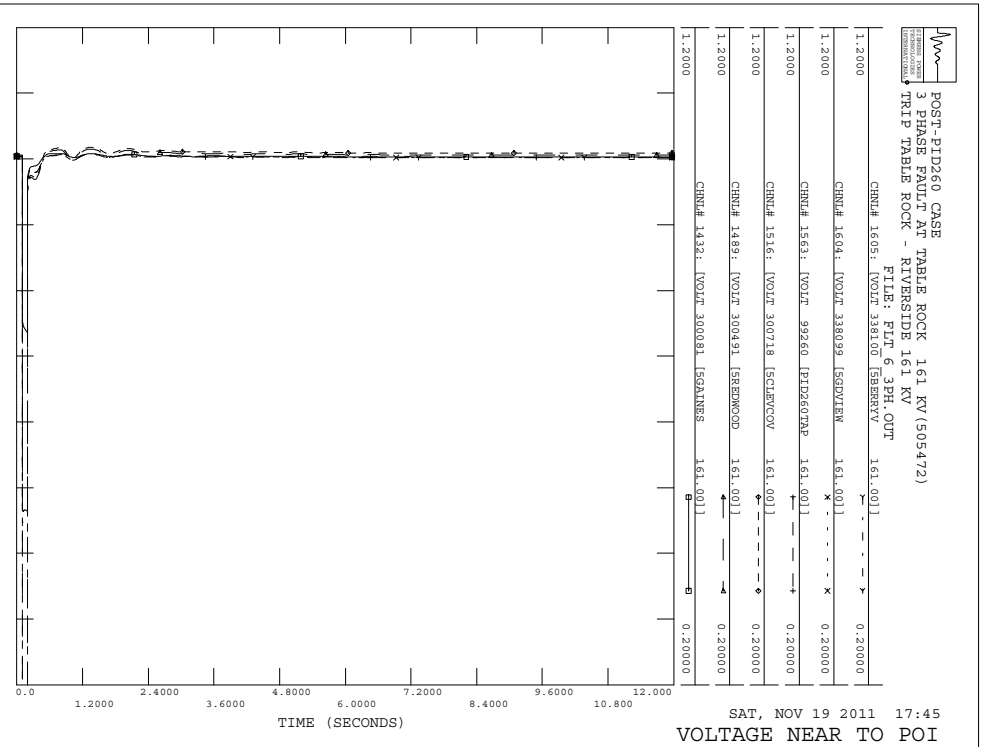
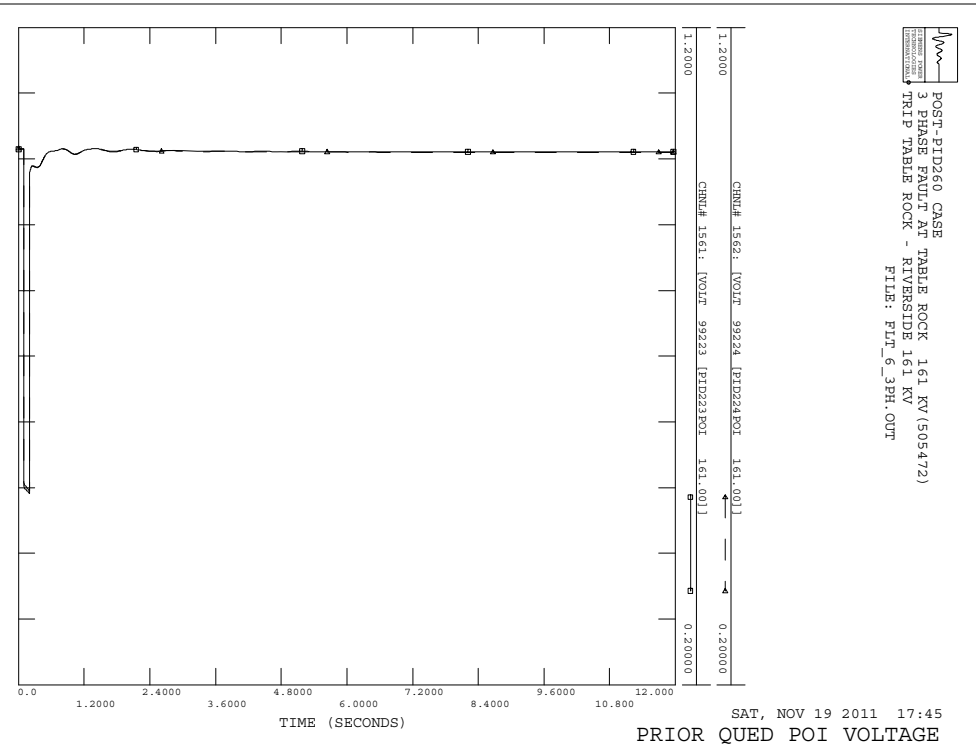


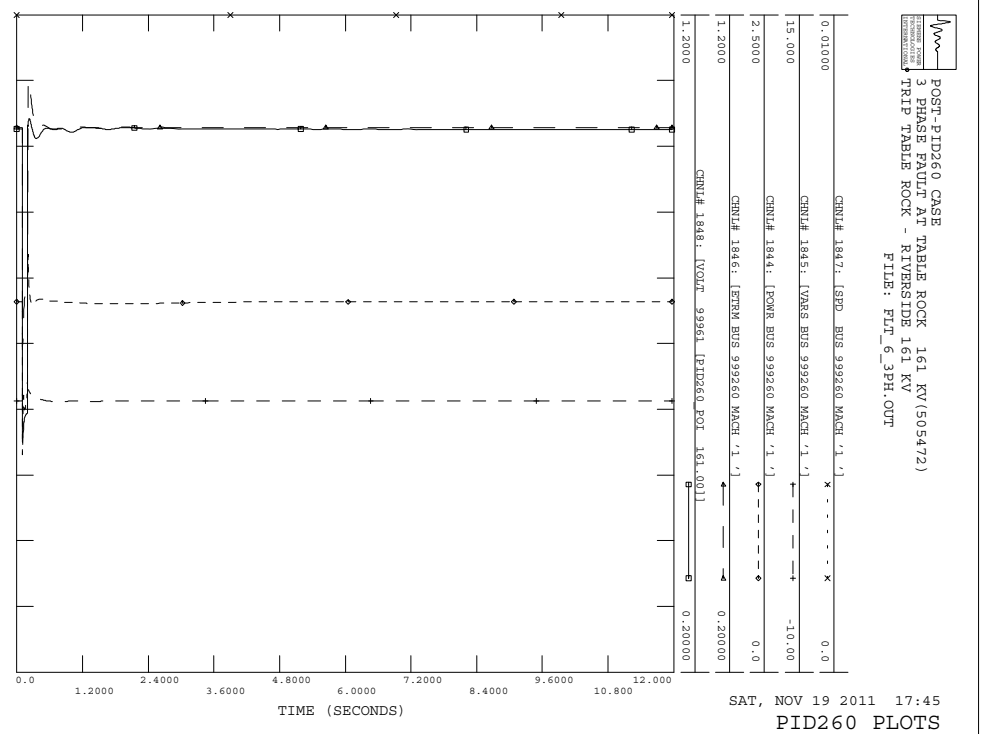
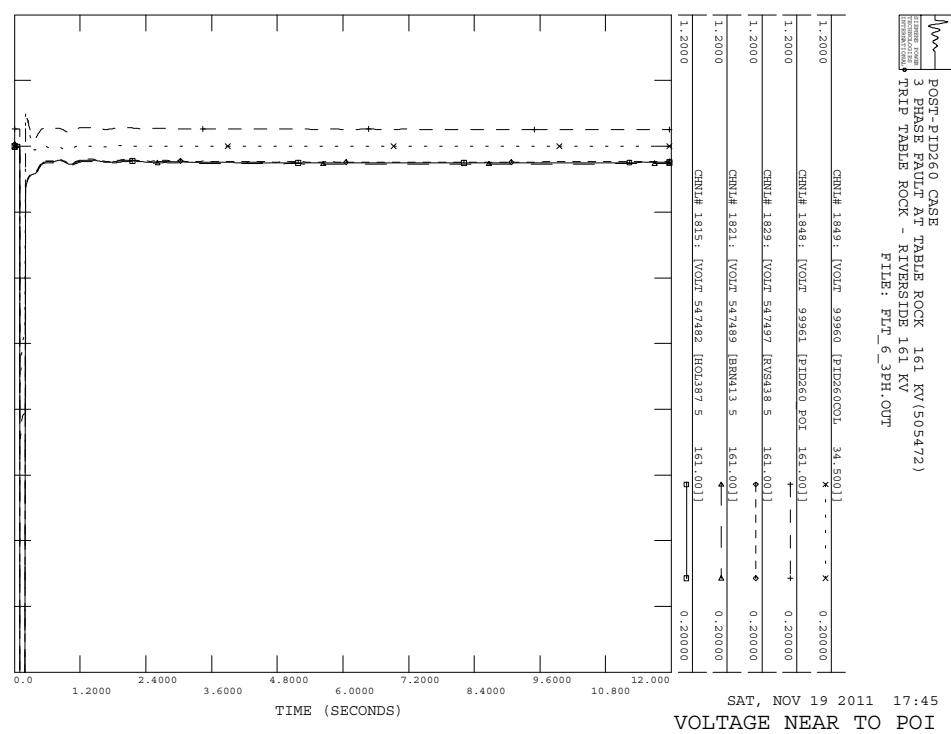
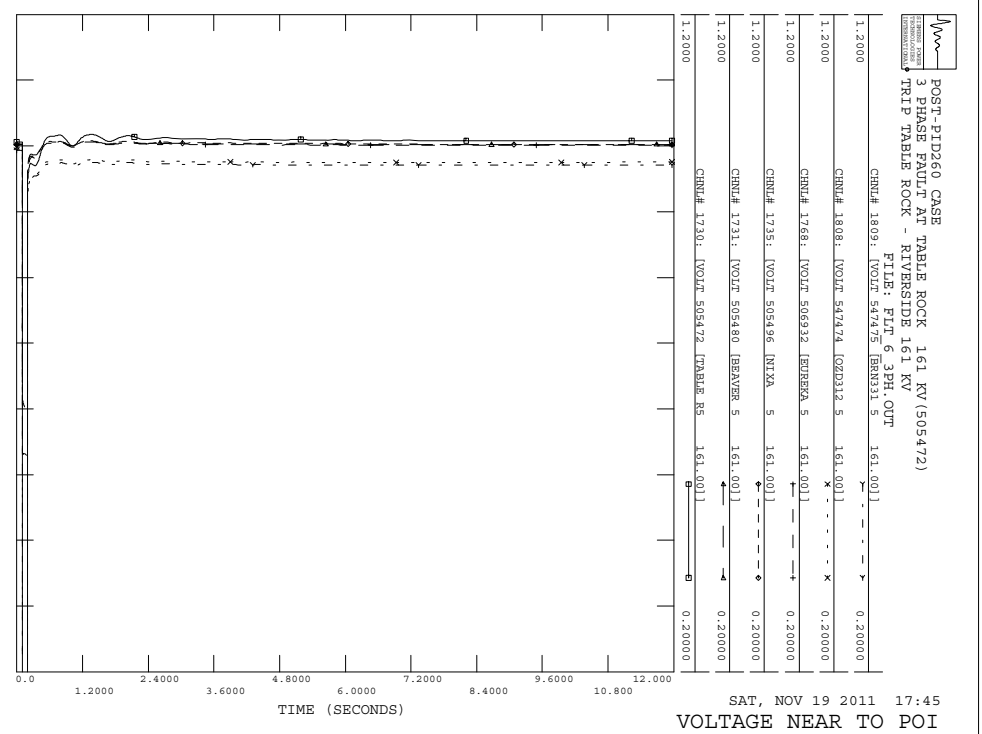
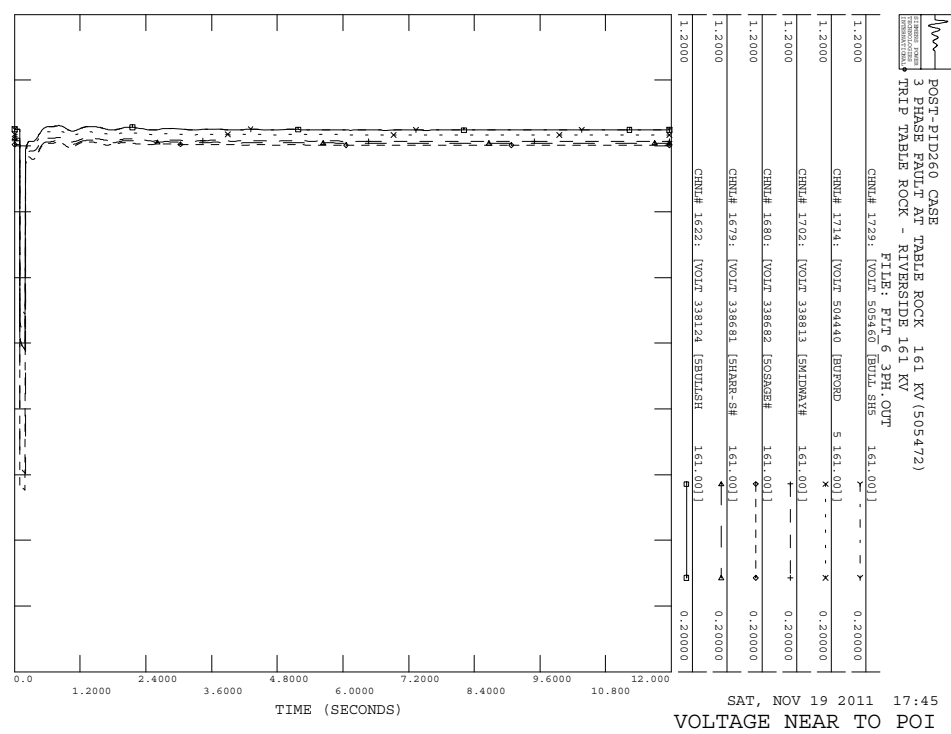
POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - RIVERSIDE 161 KV
 FILE: FLT_6_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - RIVERSIDE 161 KV
 FILE: FLT_6_3PH.OUT





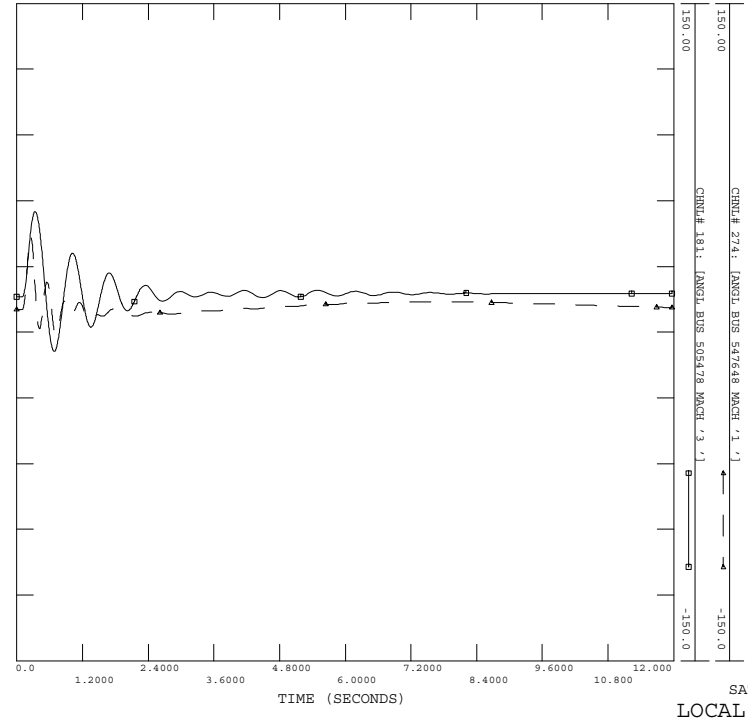


C.7 FLT_7_3PH

Three phase fault on the Table Rock - Redwood 161 kV line.

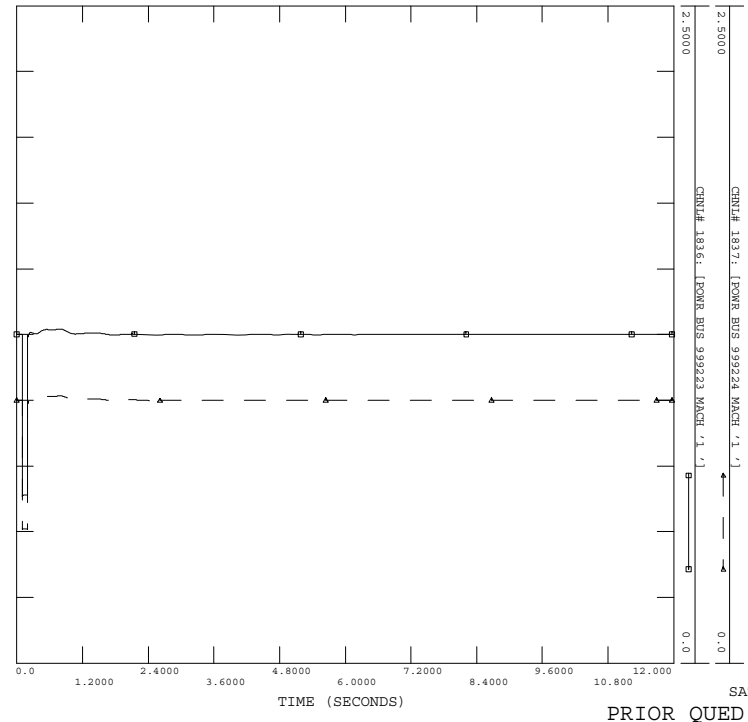
- a) Apply 3 Phase Fault at Table Rock 161 kV bus
- b) Clear fault after 6 cycles by tripping Table Rock - Redwood 161 kV line.

POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - REDWOOD 161 KV
 FILE: FLT_7_3PH.OUT



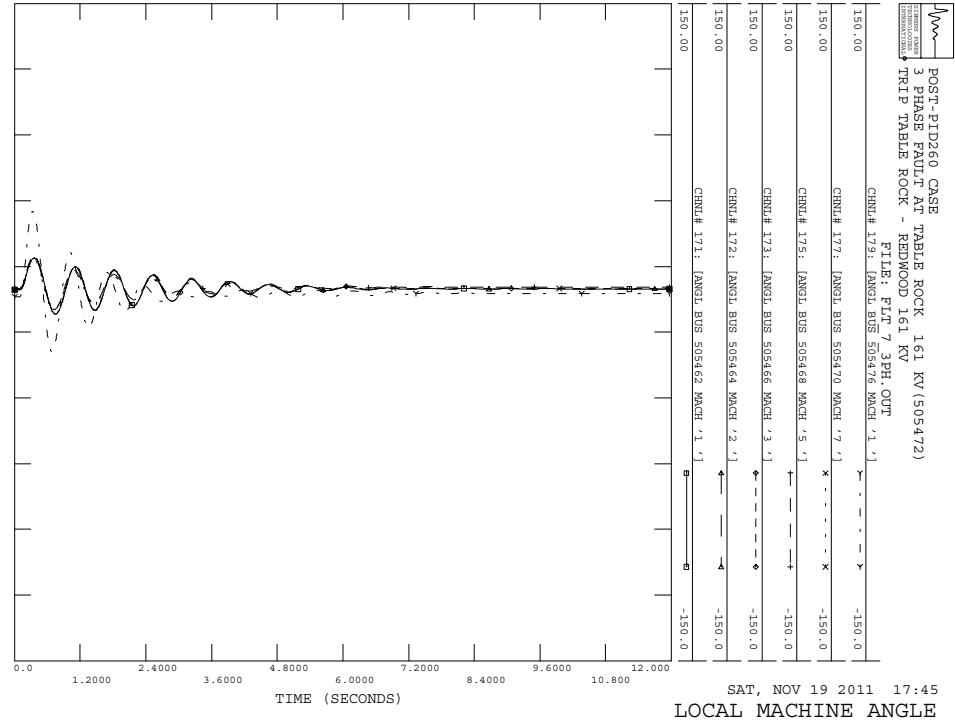
SAT, NOV 19 2011 17:45
 LOCAL MACHINE ANGLE

POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - REDWOOD 161 KV
 FILE: FLT_7_3PH.OUT



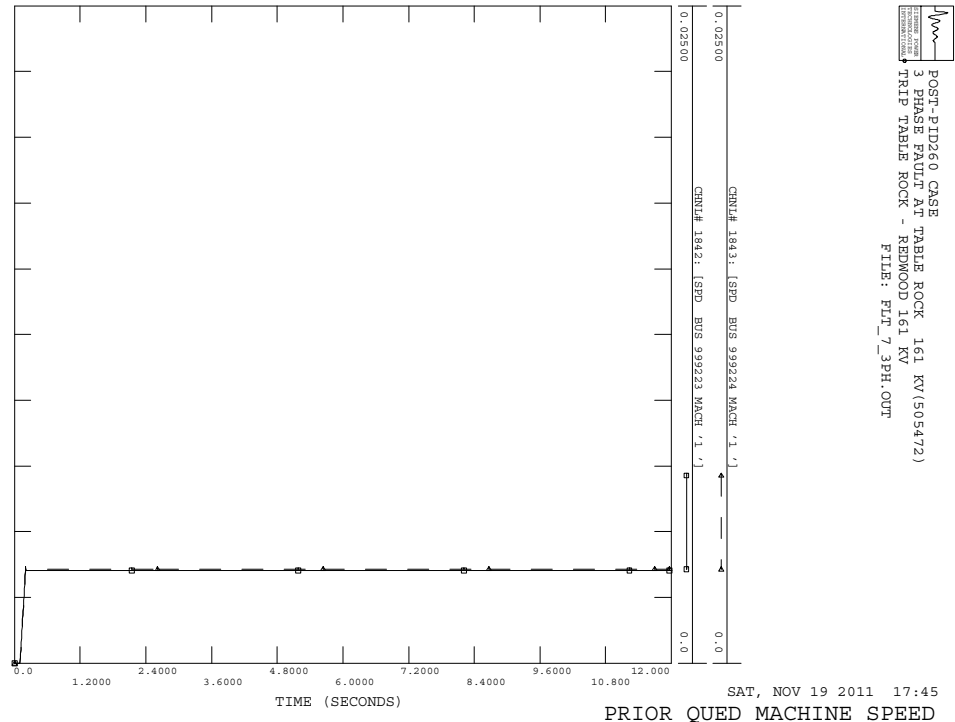
SAT, NOV 19 2011 17:45
 PRIOR QUED MACHINE POWER

POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - REDWOOD 161 KV
 FILE: FLT_7_3PH.OUT

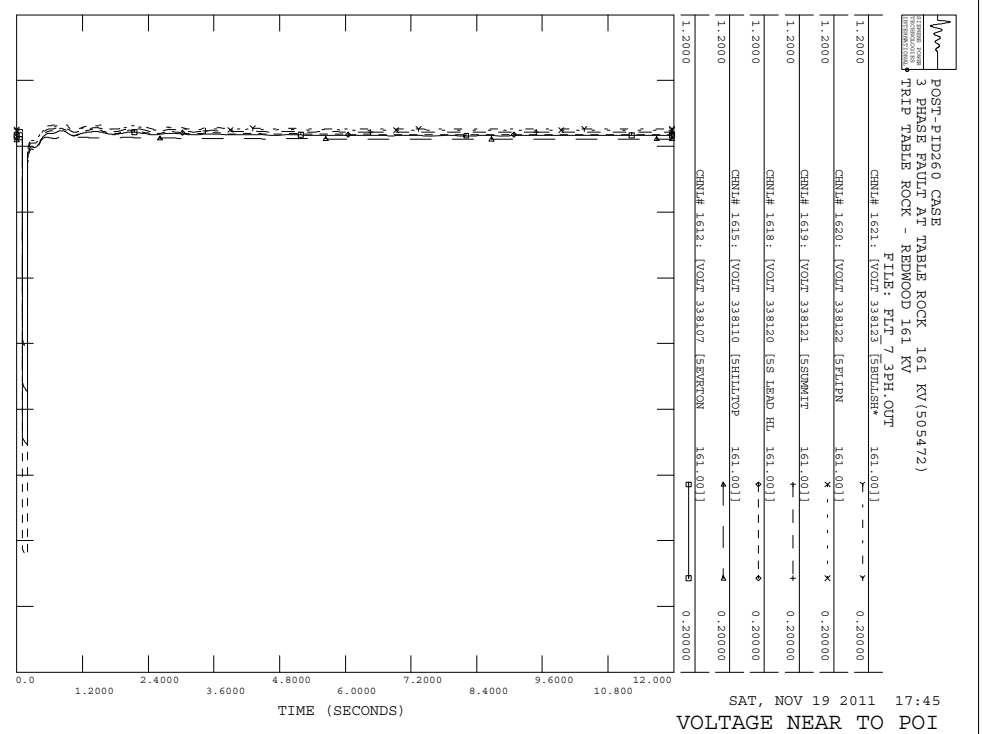
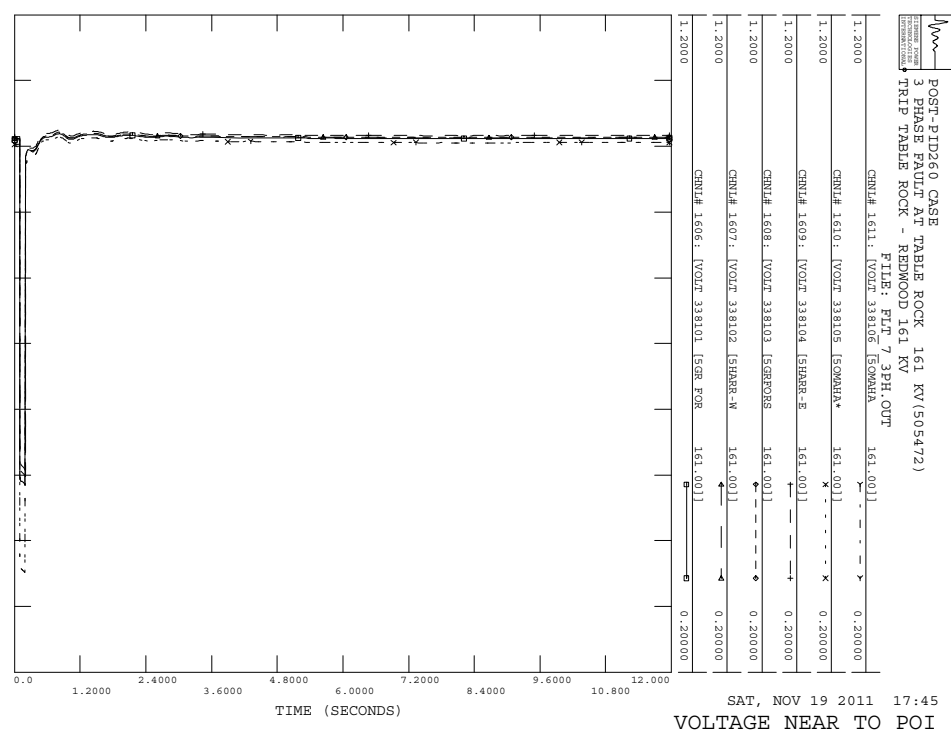
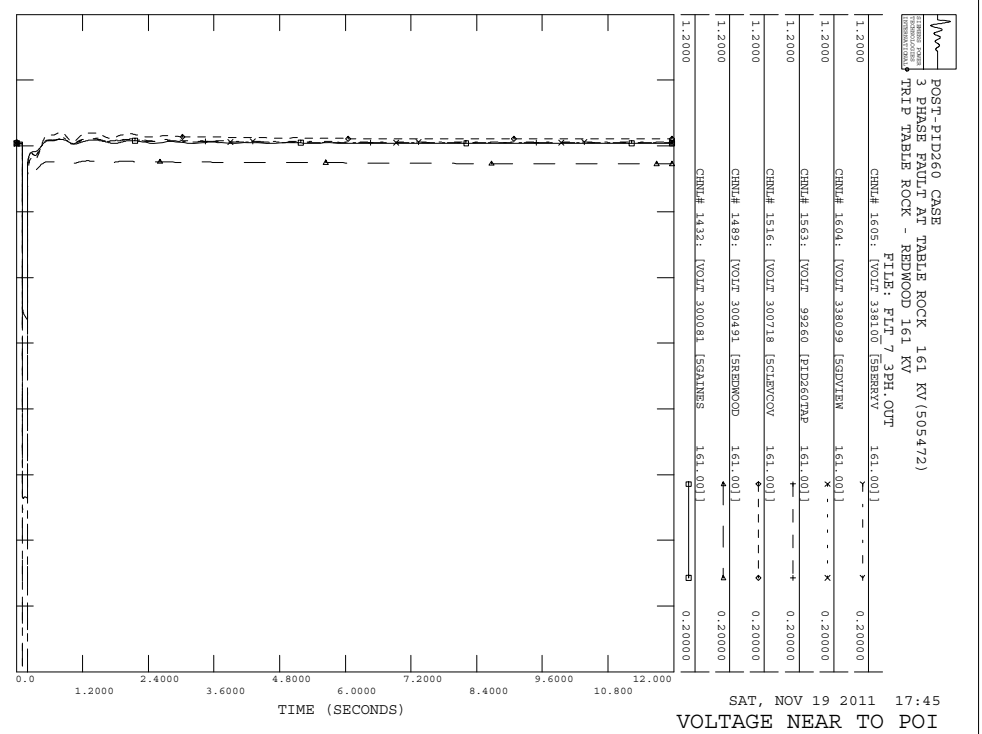
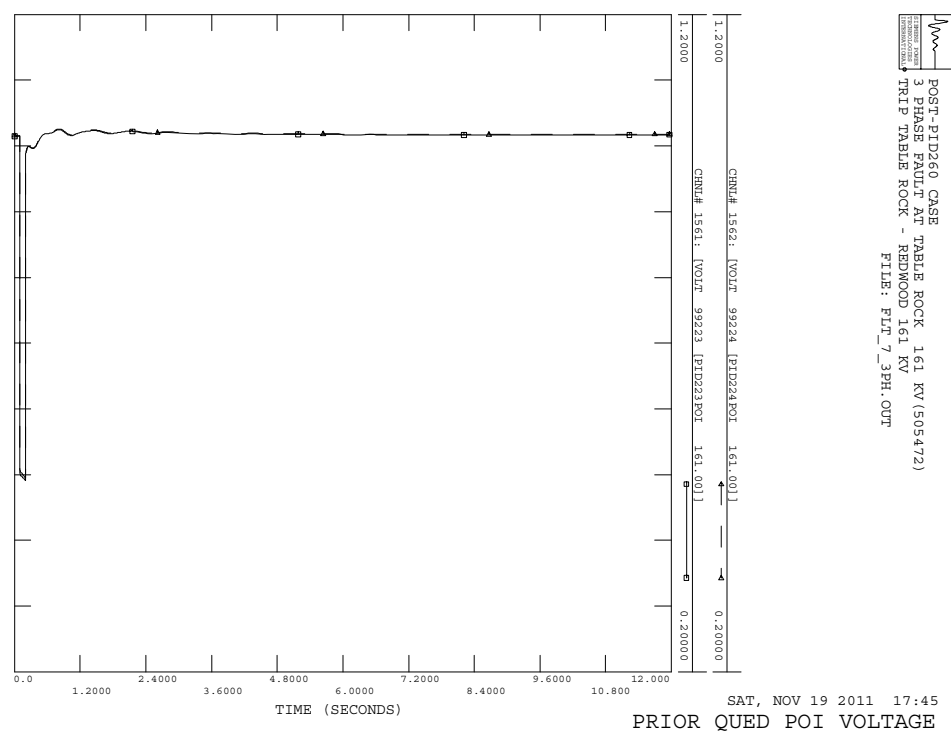


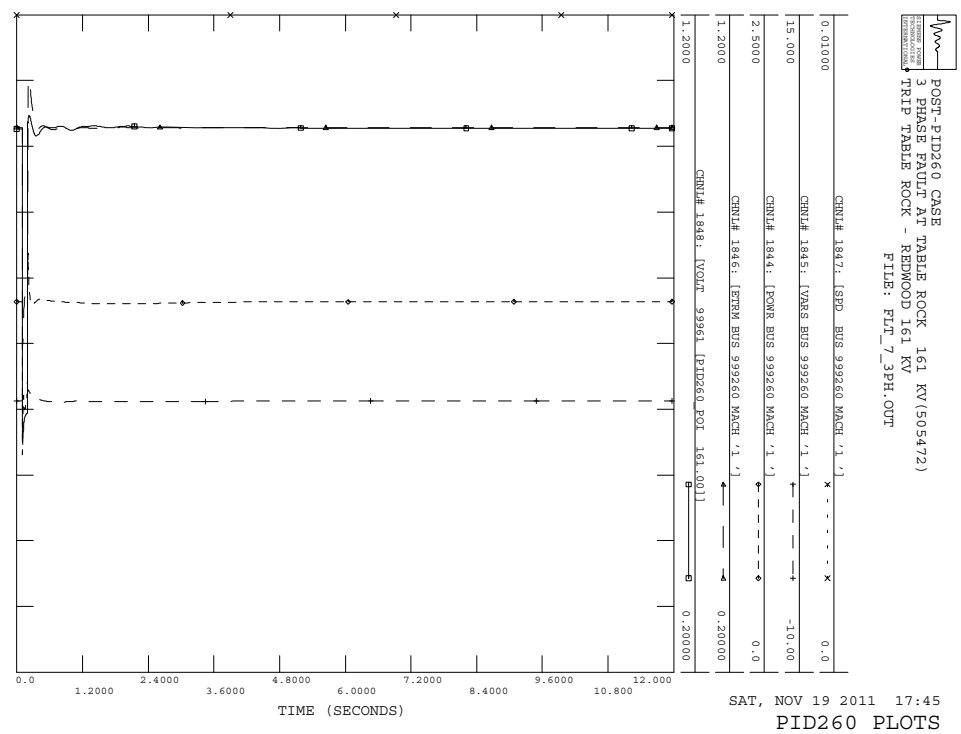
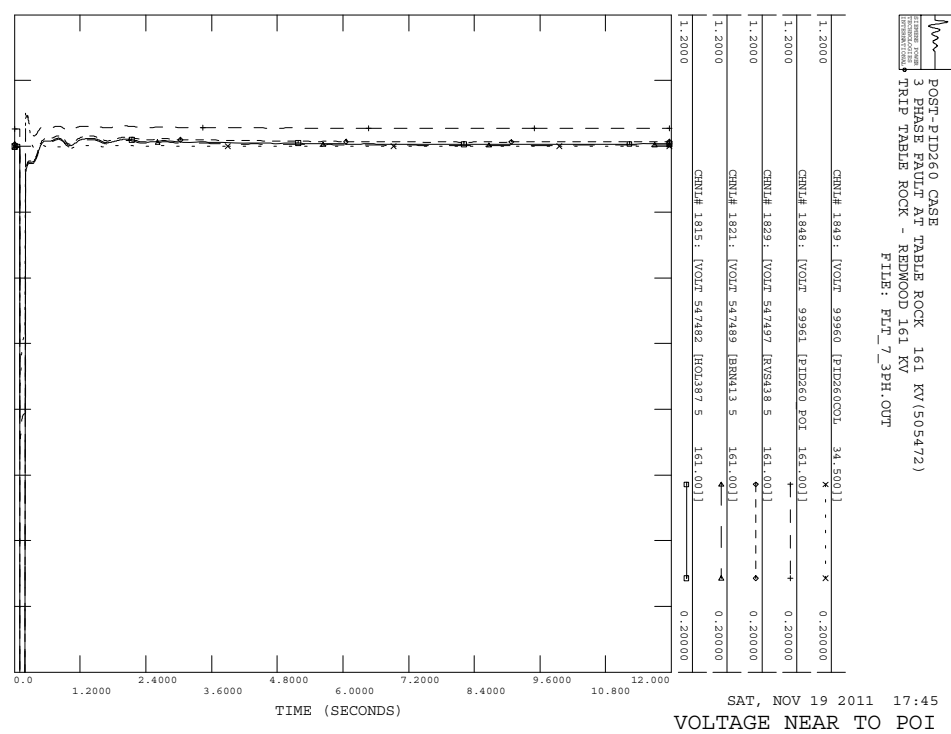
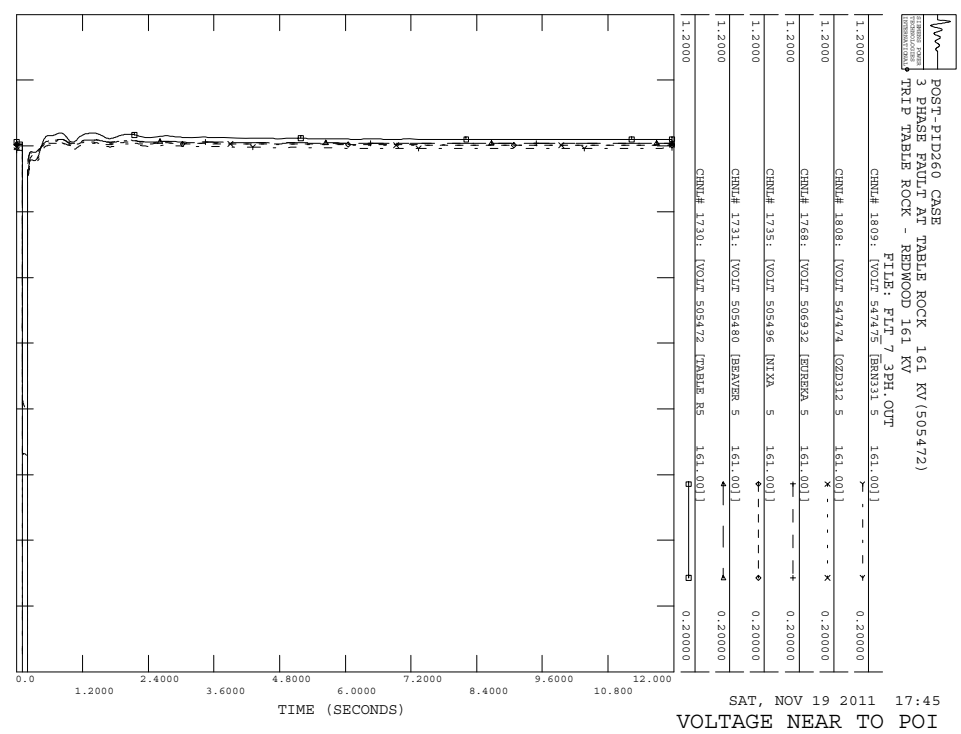
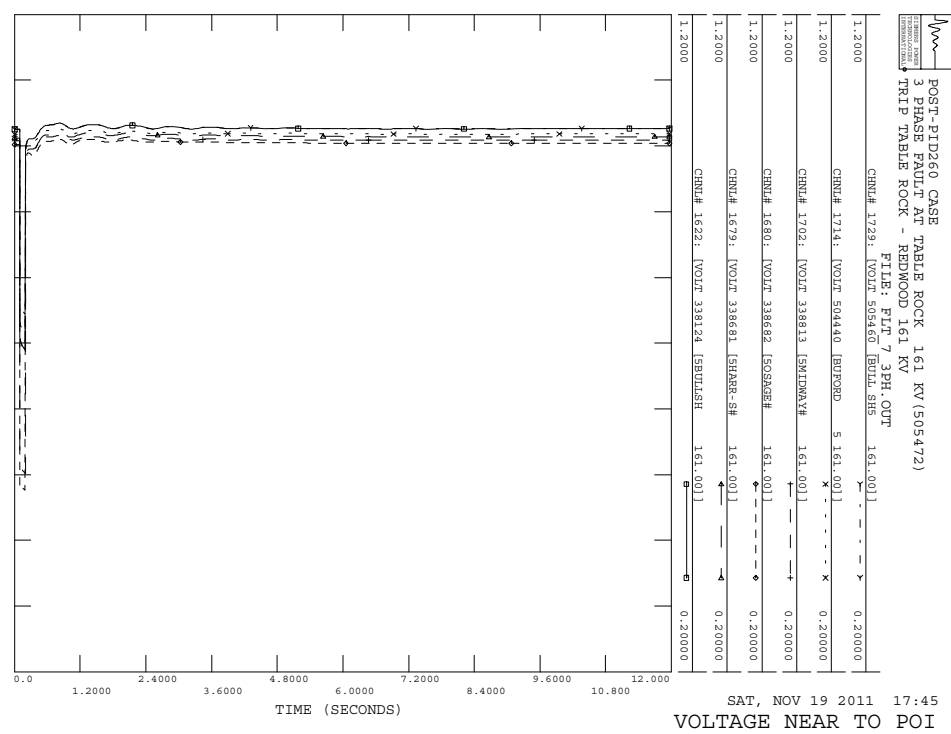
SAT, NOV 19 2011 17:45
 LOCAL MACHINE ANGLE

POST-PID260 CASE
 3 PHASE FAULT AT TABLE ROCK 161 KV(505472)
 TRIP TABLE ROCK - REDWOOD 161 KV
 FILE: FLT_7_3PH.OUT



SAT, NOV 19 2011 17:45
 PRIOR QUED MACHINE SPEED



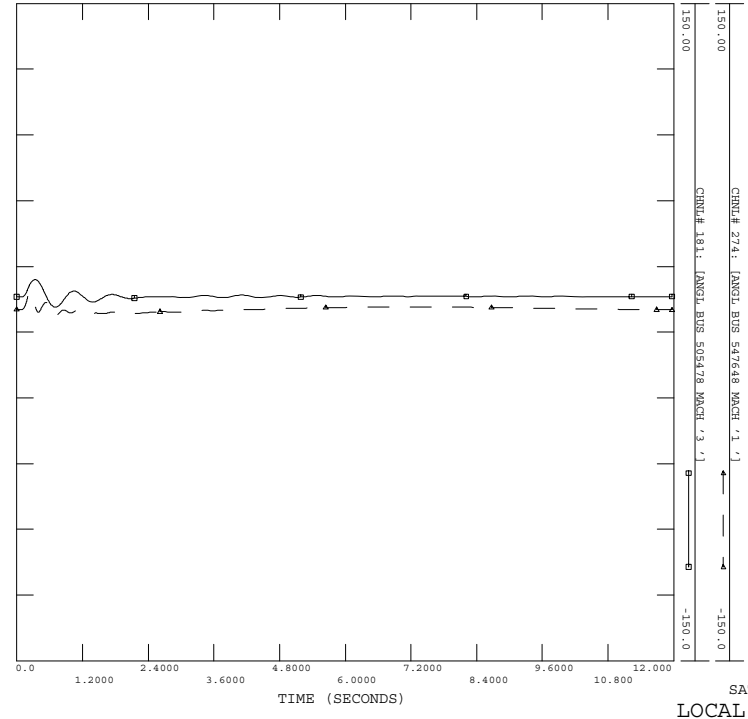


C.8 FLT_8_3PH

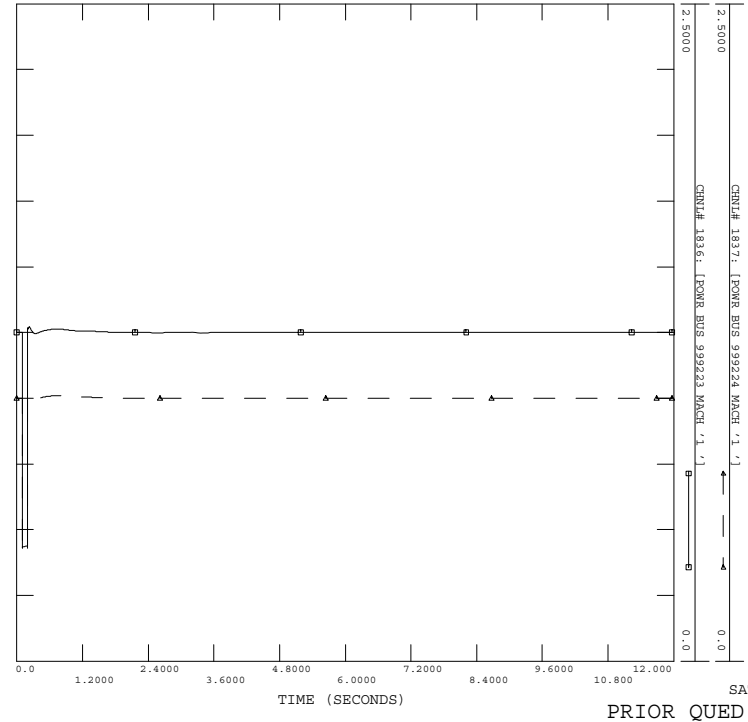
Three phase fault on the Eureka Springs-Beaver 161 kV line.

- a) Apply 3 Phase Fault at Eureka Springs 161 kV bus
- b) Clear fault after 6 cycles by tripping Eureka Springs-Beaver 161 kV line.

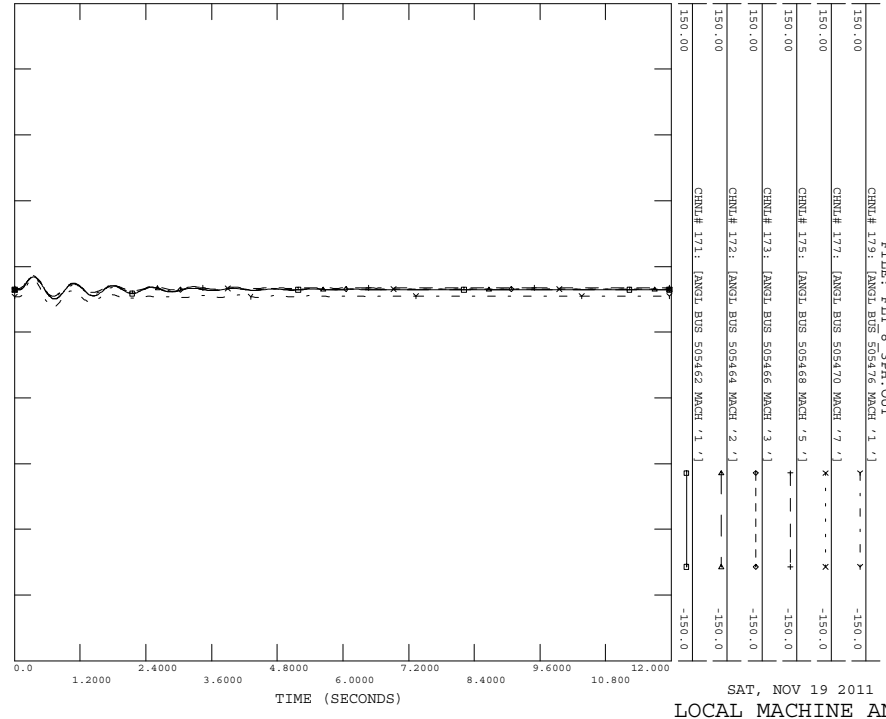
POST-PID260 CASE
 3 PHASE FAULT AT EUREKA SPRINGS 161 KV(506932)
 TRIP EUREKA SPRINGS-BEAVER 161 KV
 FILE: FLT_8_3PH.OUT



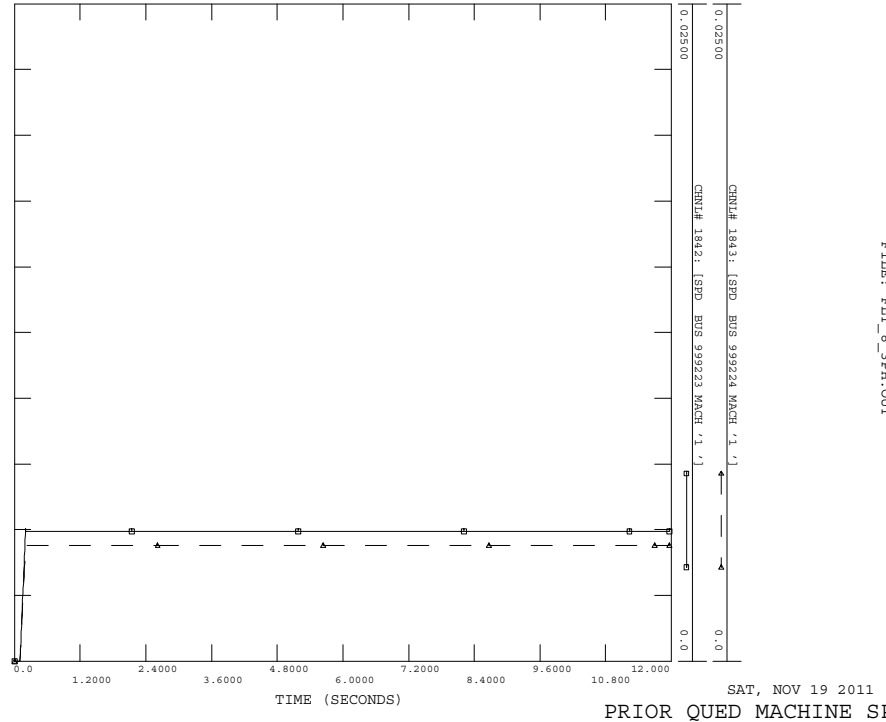
POST-PID260 CASE
 3 PHASE FAULT AT EUREKA SPRINGS 161 KV(506932)
 TRIP EUREKA SPRINGS-BEAVER 161 KV
 FILE: FLT_8_3PH.OUT

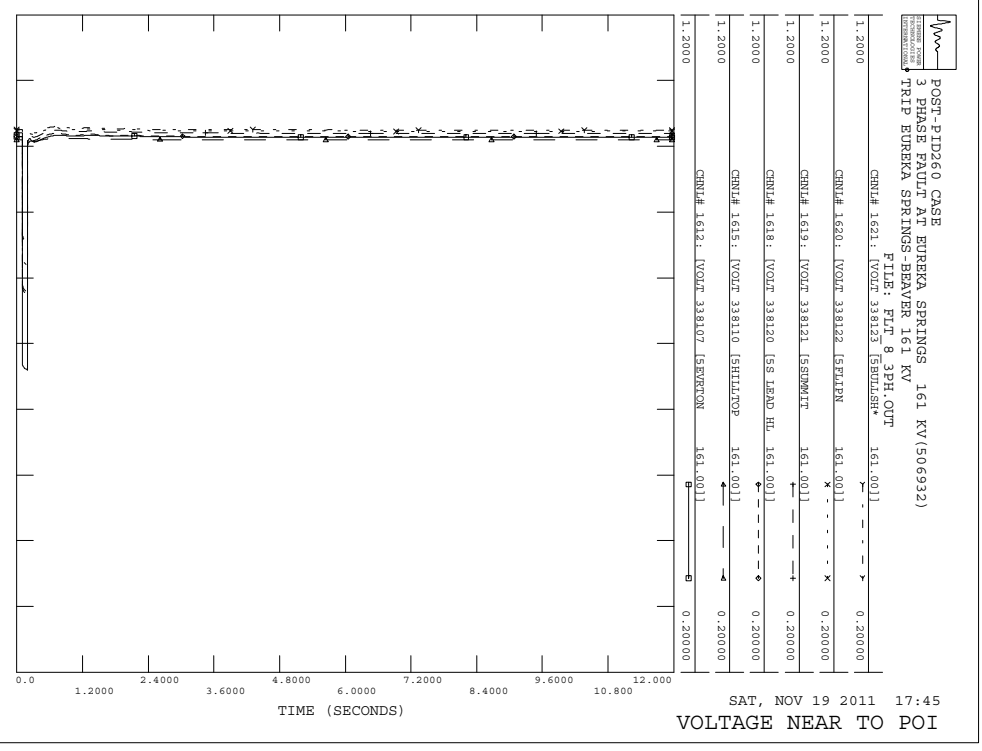
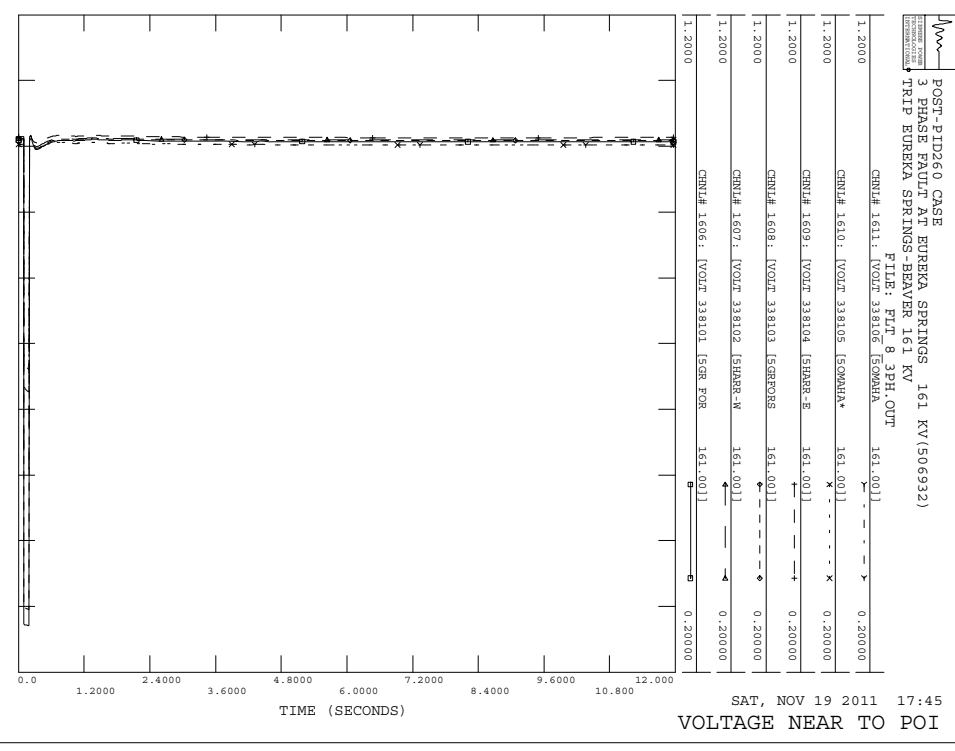
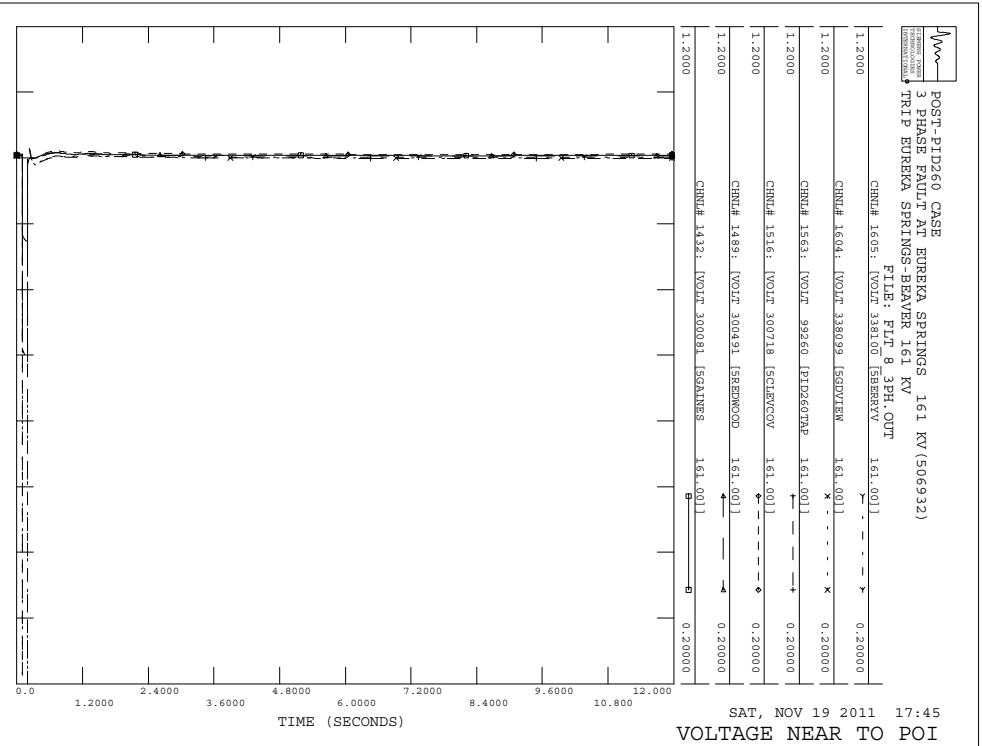
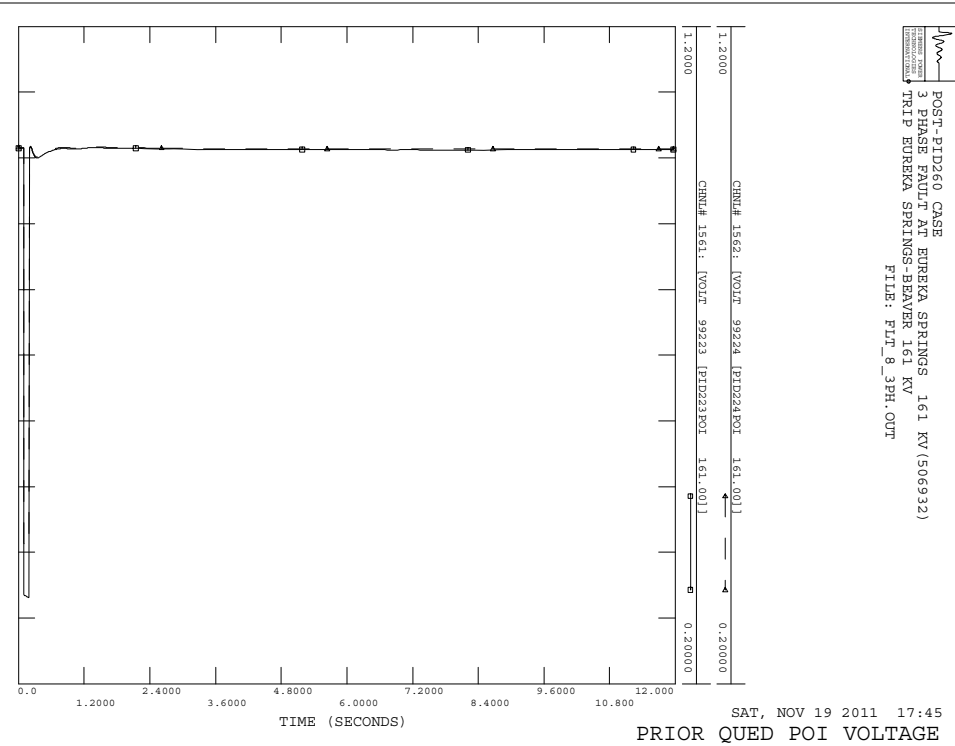


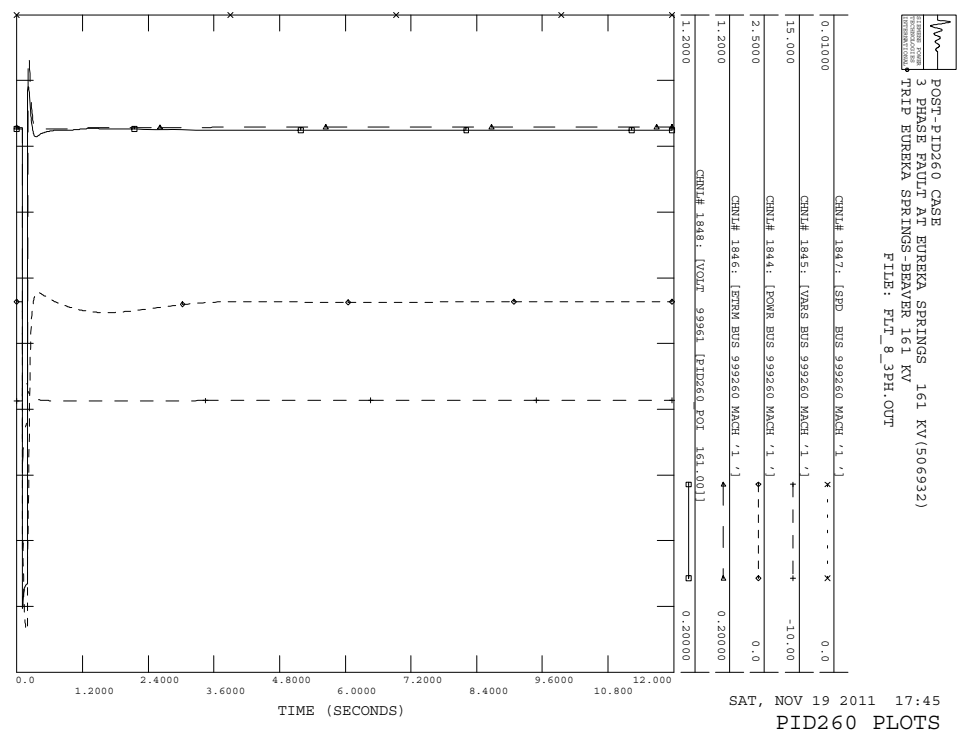
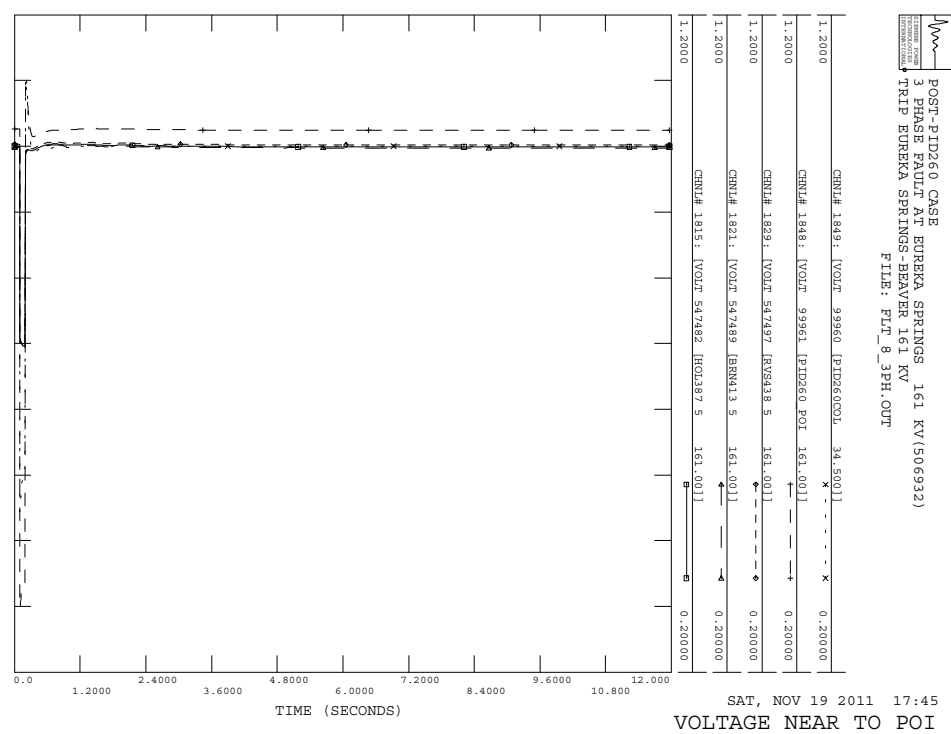
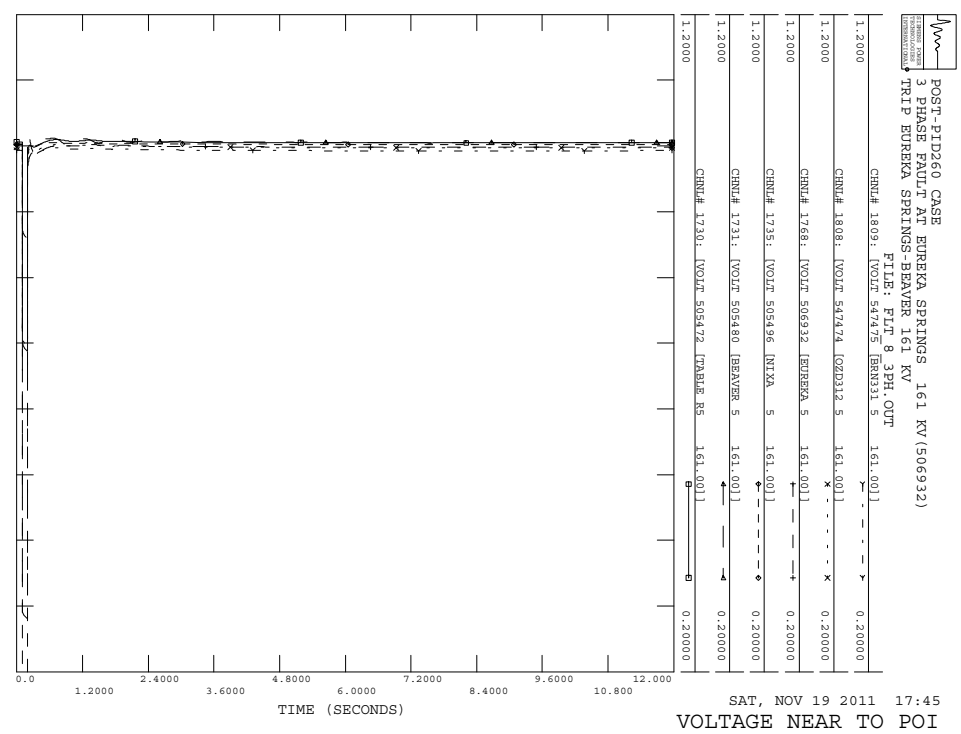
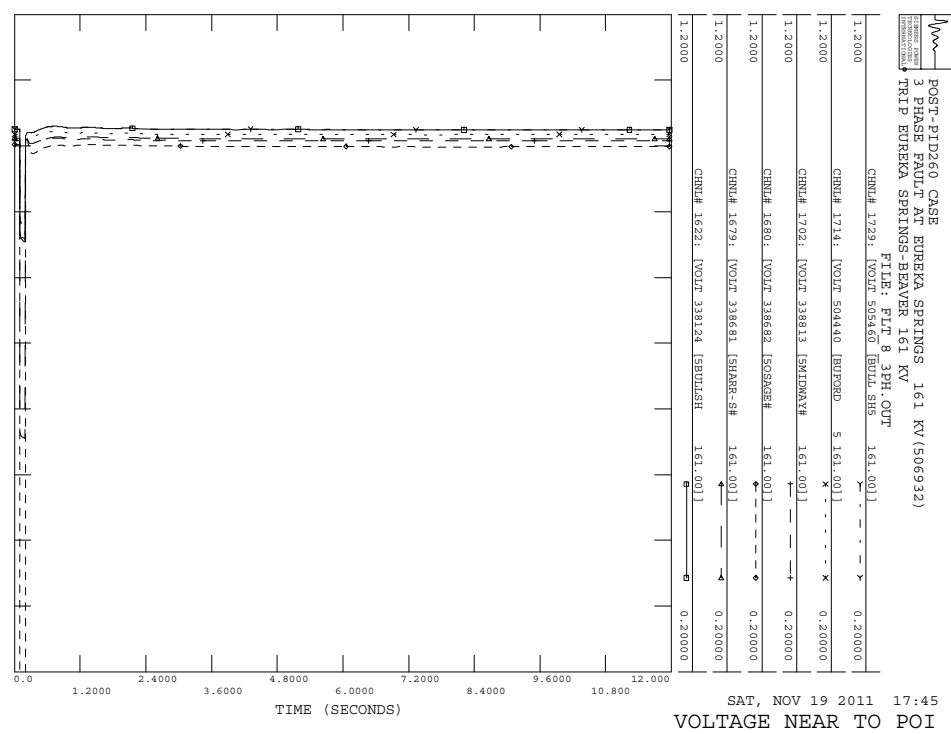
POST-PID260 CASE
 3 PHASE FAULT AT EUREKA SPRINGS 161 KV(506932)
 TRIP EUREKA SPRINGS-BEAVER 161 KV
 FILE: FLT_8_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT EUREKA SPRINGS 161 KV(506932)
 TRIP EUREKA SPRINGS-BEAVER 161 KV
 FILE: FLT_8_3PH.OUT





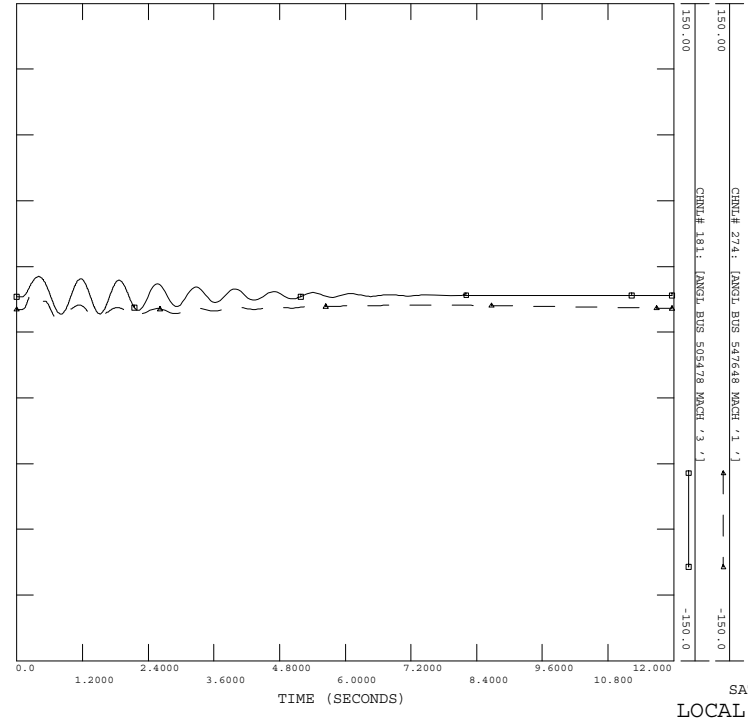


C.9 FLT_9_3PH

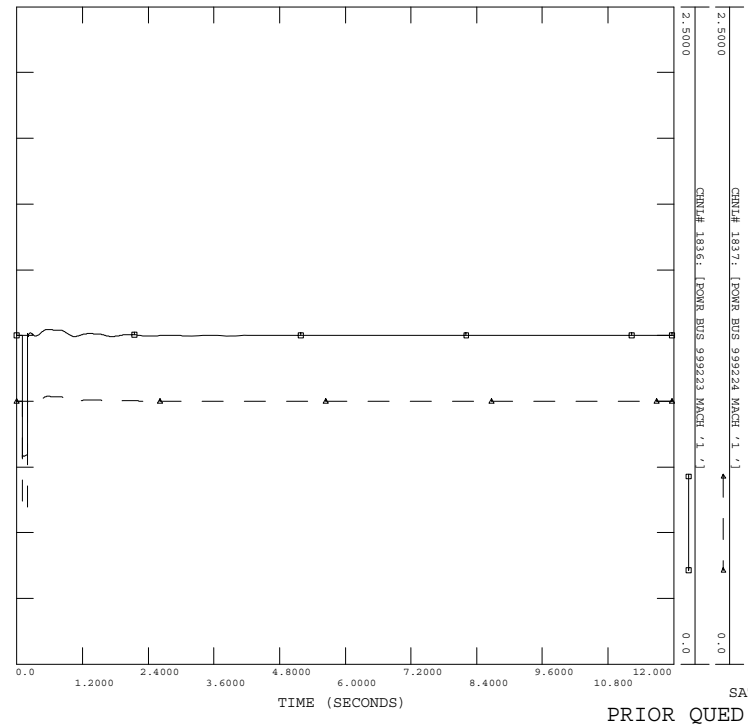
Three phase fault on the BullShoals- Midway 161 kV line.

- a) Apply 3 Phase Fault at BullShoals 161 kV bus
- b) Clear fault after 6 cycles by tripping BullShoals- Midway 161 kV line.

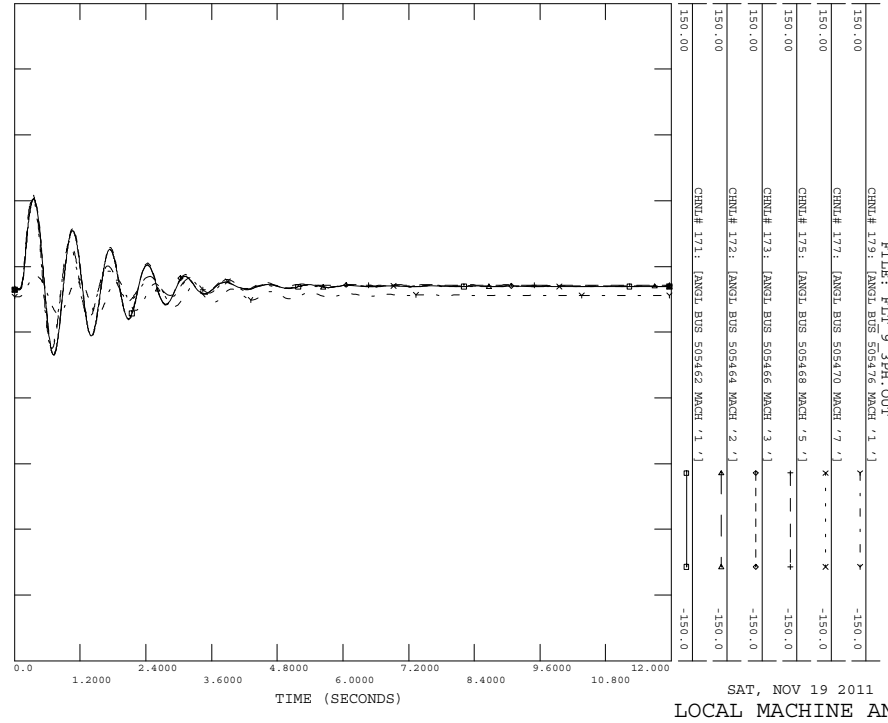
POST-PTD260 CASE
 3 PHASE FAULT AT
 TRIP BULLSHOALS -
 FILE: FLT_9_3PH.OUT



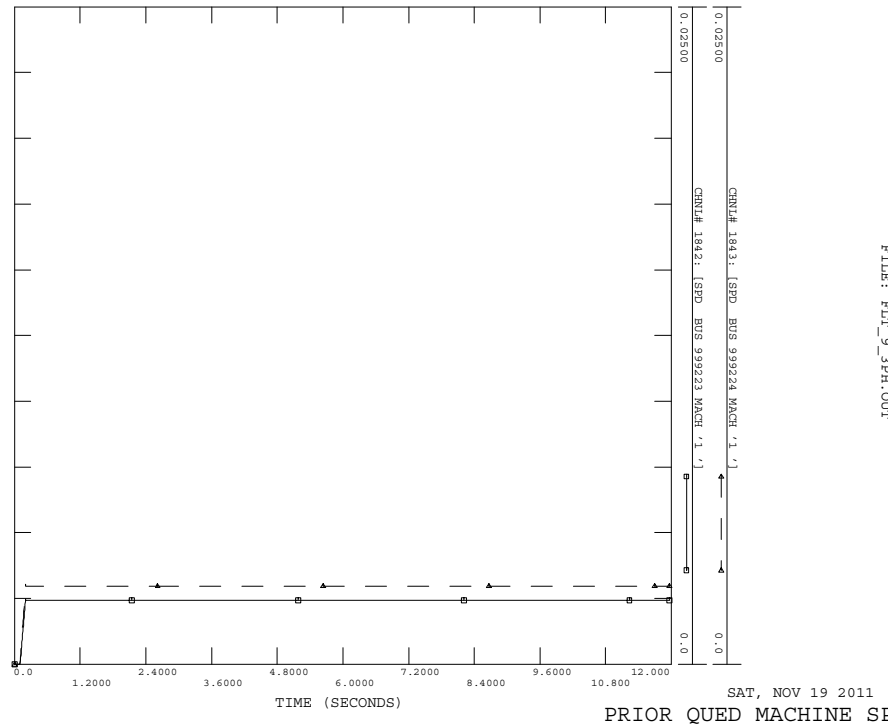
POST-PTD260 CASE
 3 PHASE FAULT AT
 TRIP BULLSHOALS -
 FILE: FLT_9_3PH.OUT

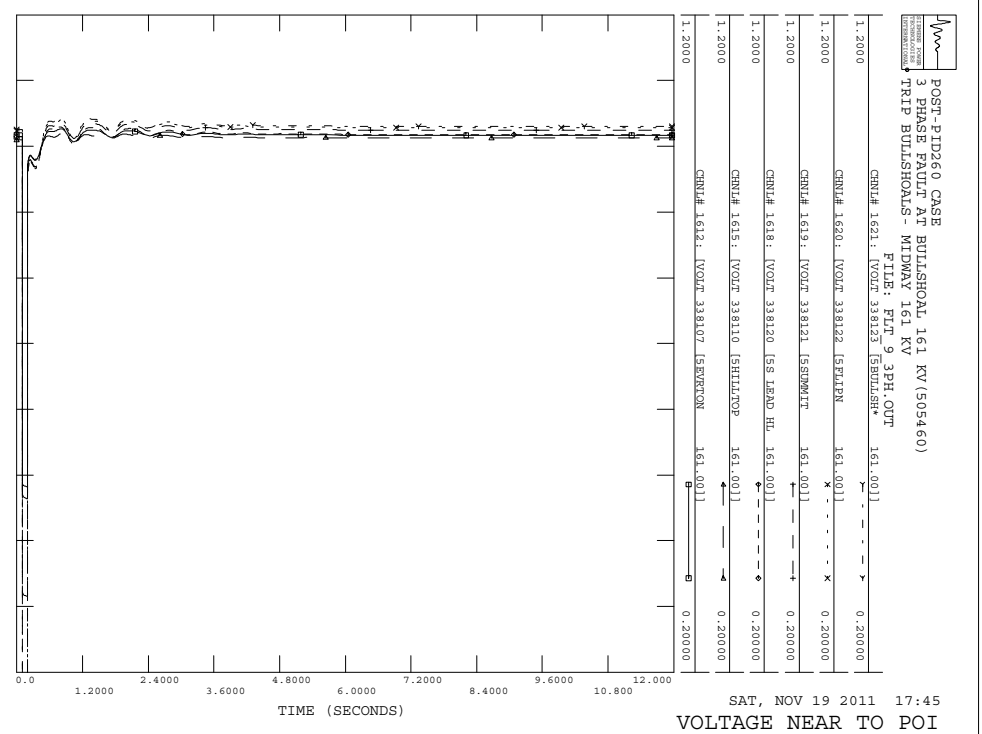
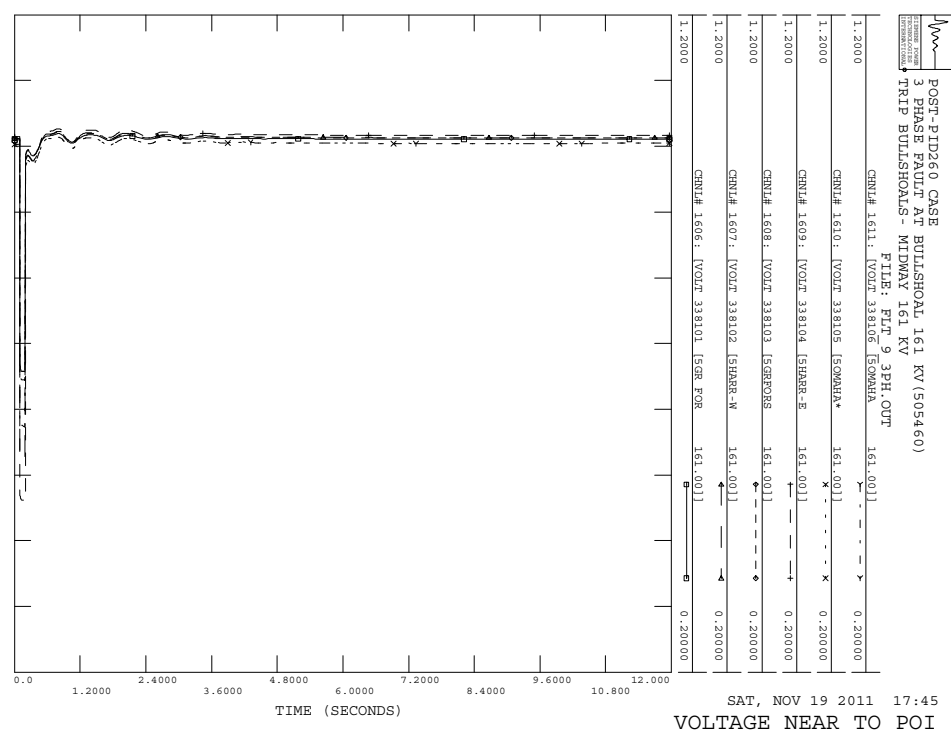
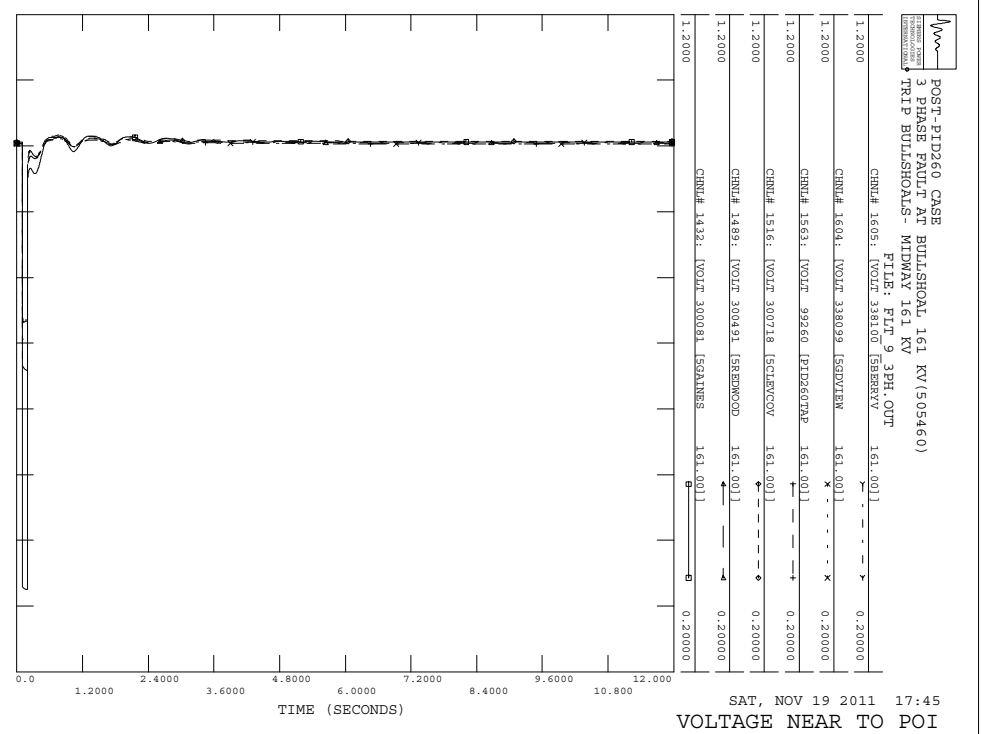
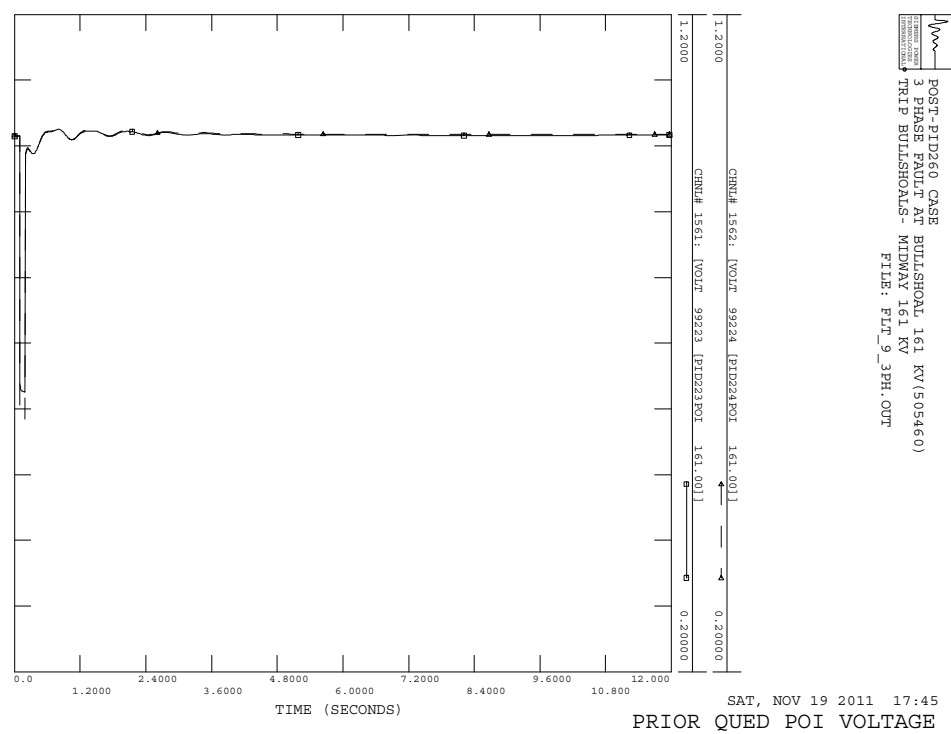


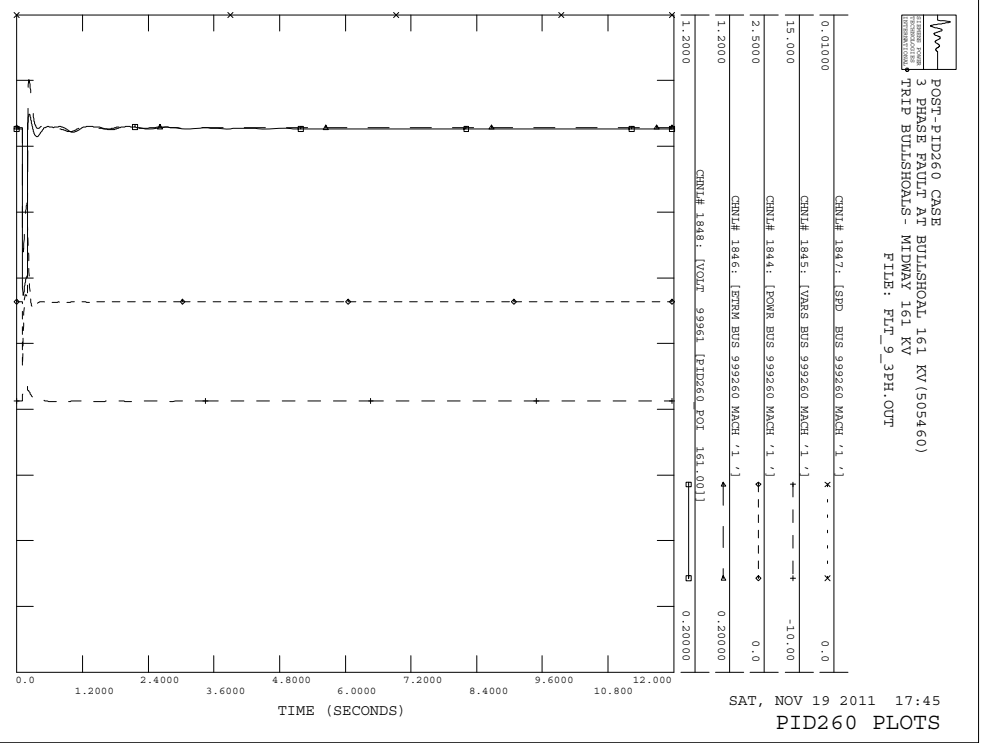
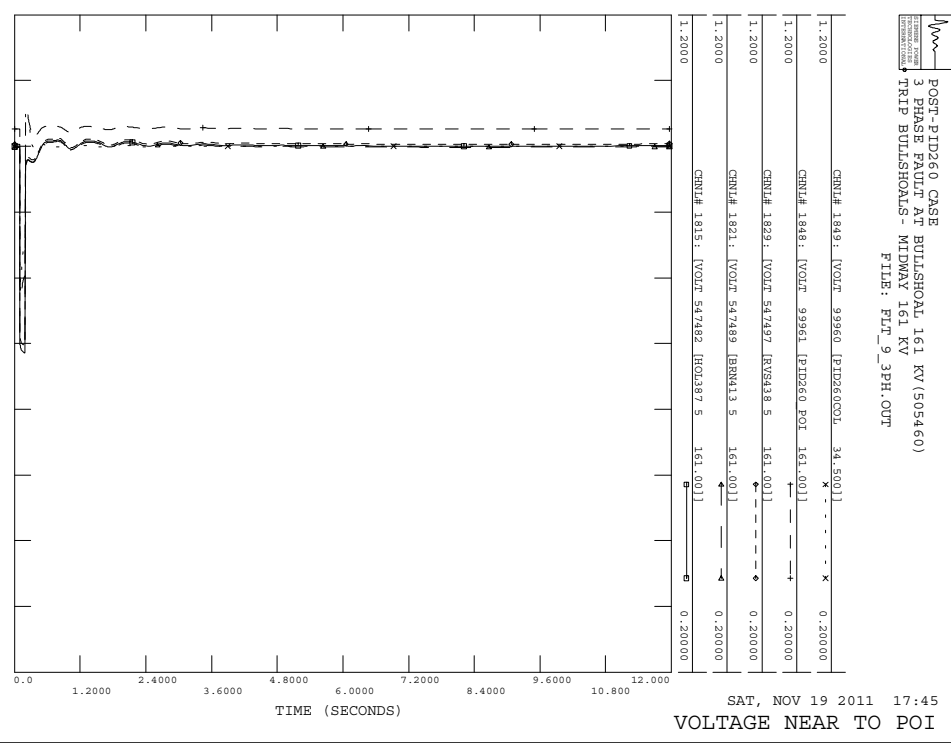
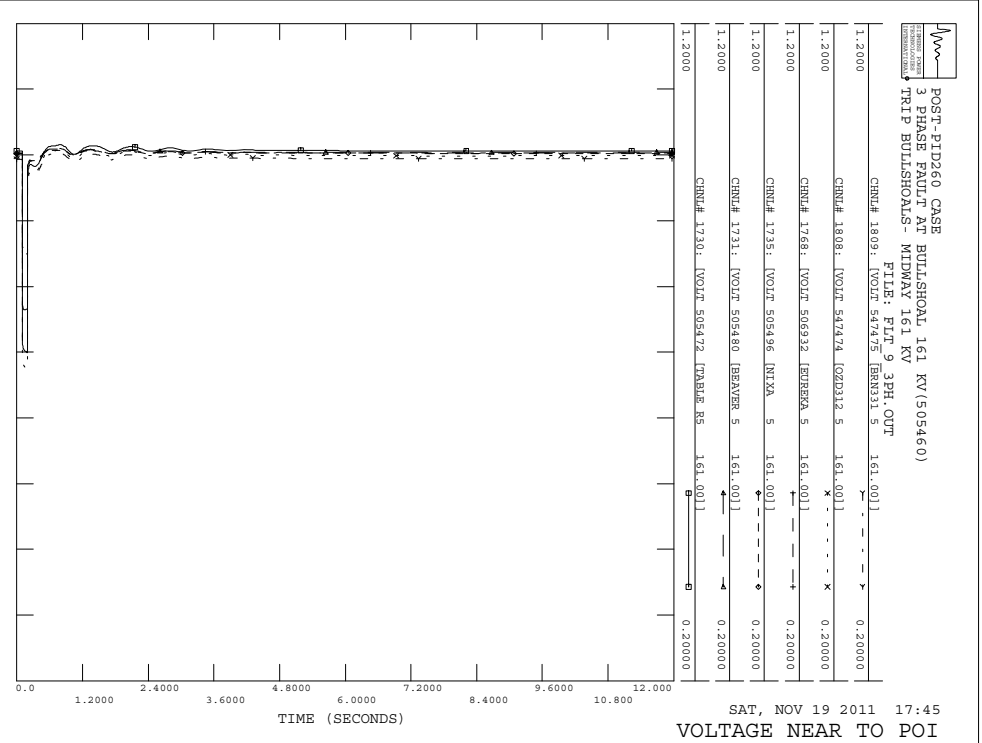
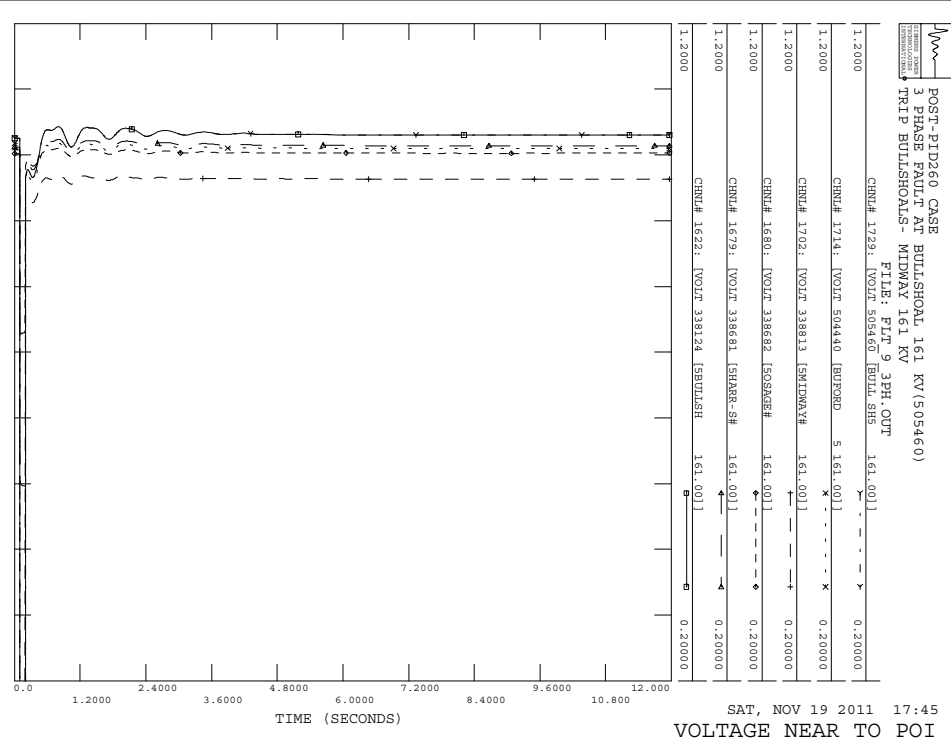
POST-PTD260 CASE
 3 PHASE FAULT AT
 TRIP BULLSHOALS -
 FILE: FLT_9_3PH.OUT



POST-PTD260 CASE
 3 PHASE FAULT AT
 TRIP BULLSHOALS -
 FILE: FLT_9_3PH.OUT





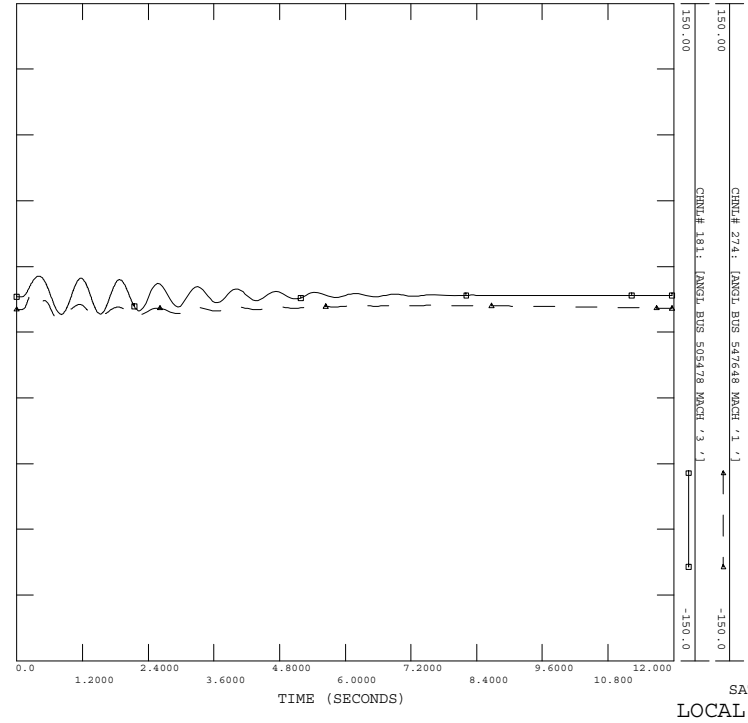


C.10 FLT_10_3PH

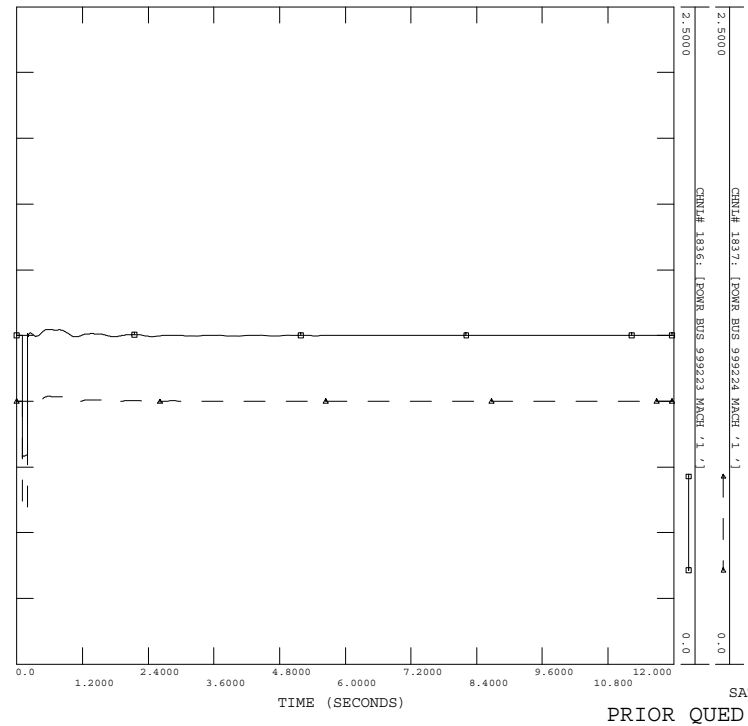
Three phase fault on the BullShoals- Gainesville 161 kV line.

- a) Apply 3 Phase Fault at BullShoals 161 kV bus
- b) Clear fault after 6 cycles by tripping BullShoals- Gainesville 161 kV line.

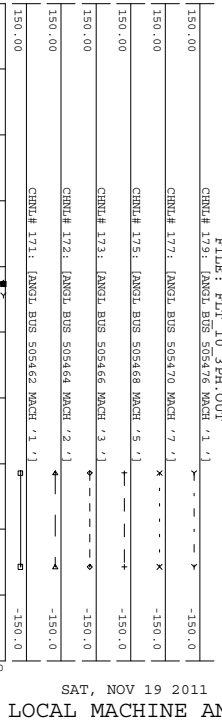
POST-PID260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- GAINESVILLE 161 KV
 FILE: FLT_10_3PH.OUT



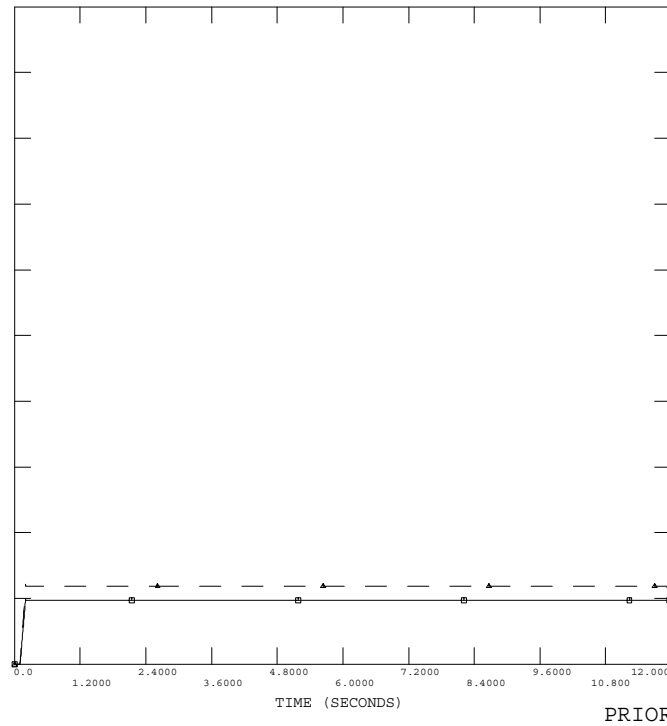
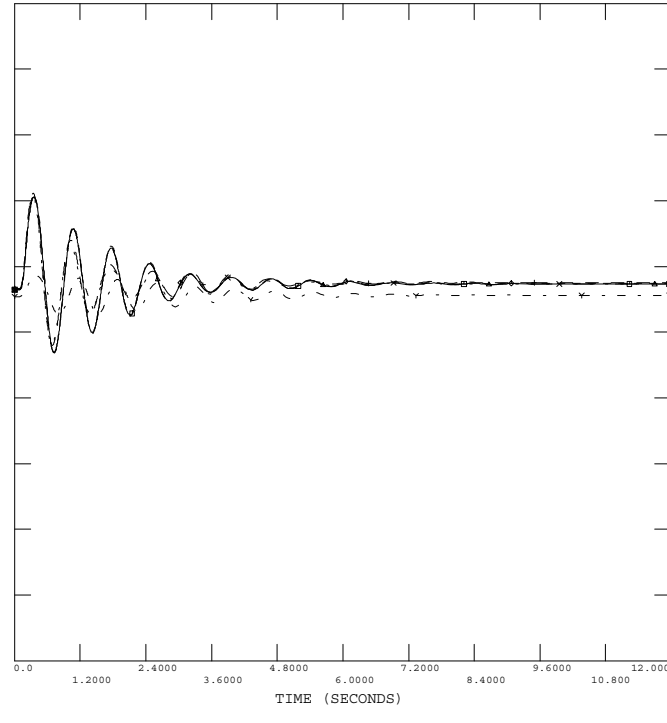
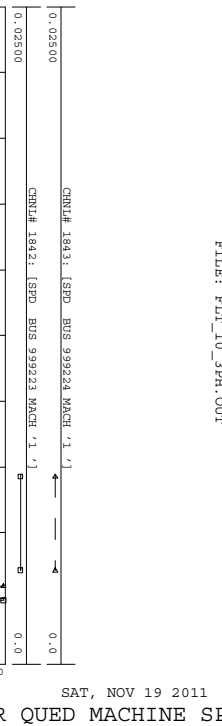
POST-PID260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- GAINESVILLE 161 KV
 FILE: FLT_10_3PH.OUT

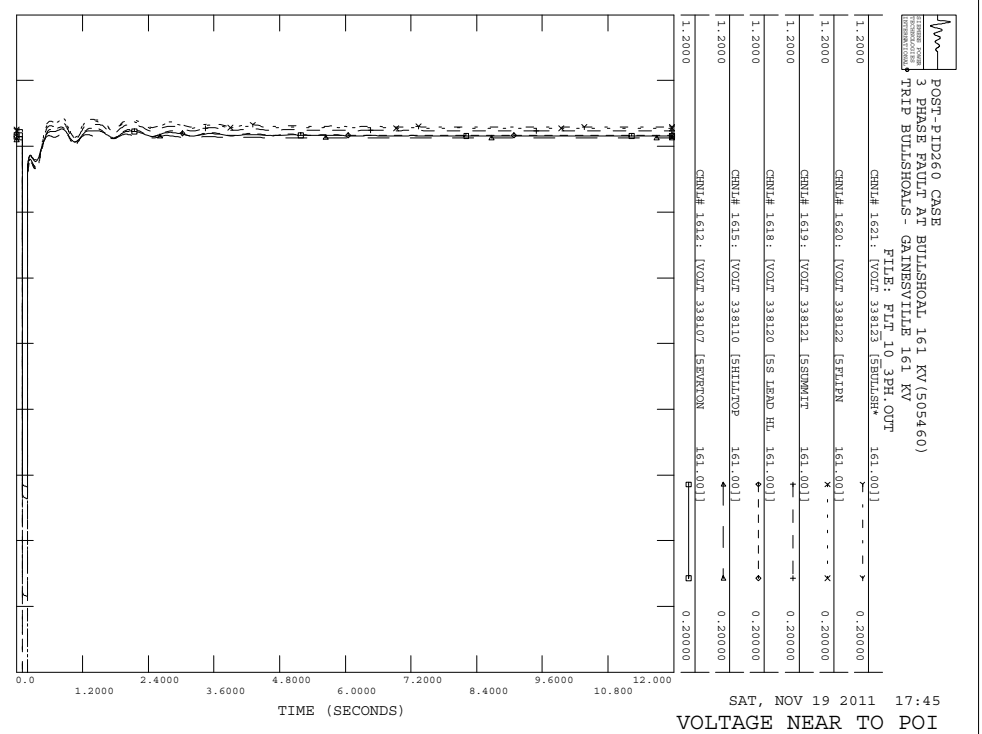
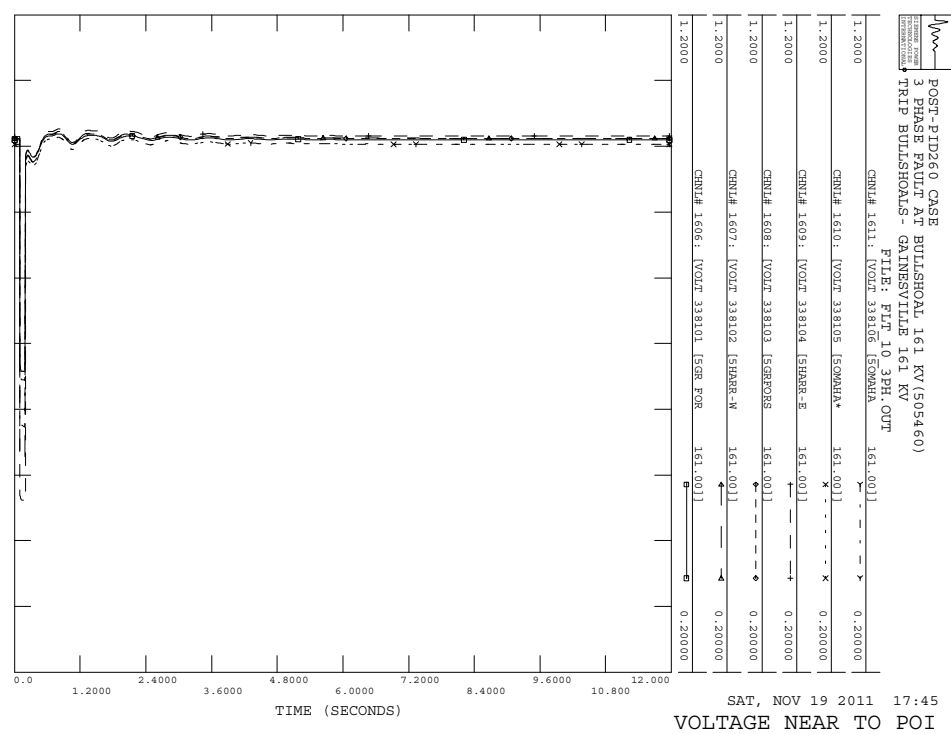
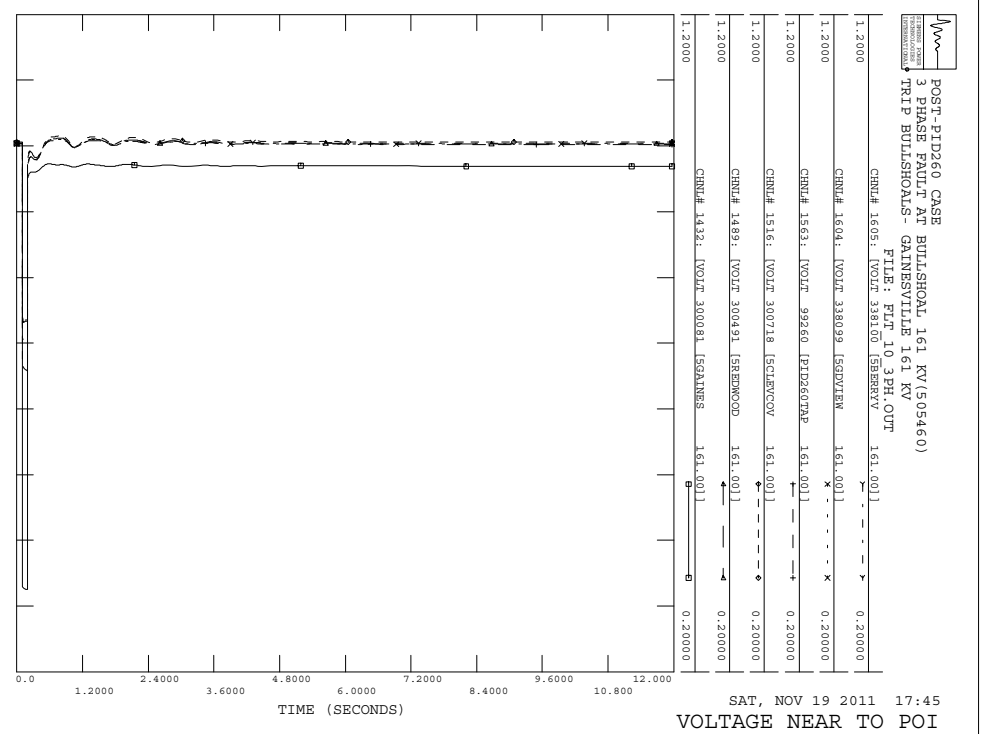
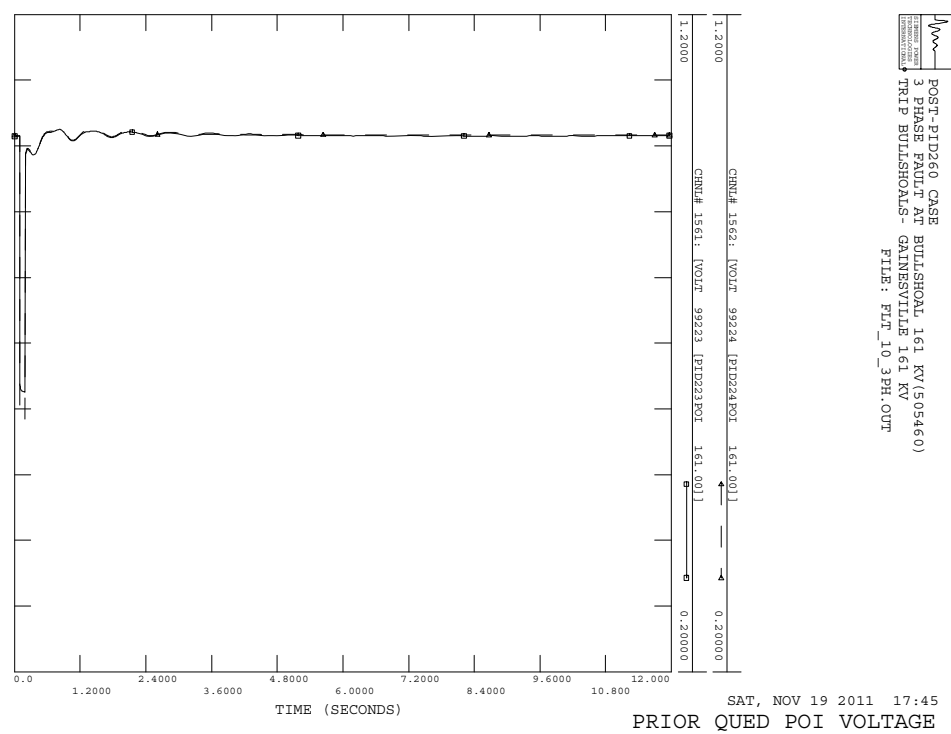


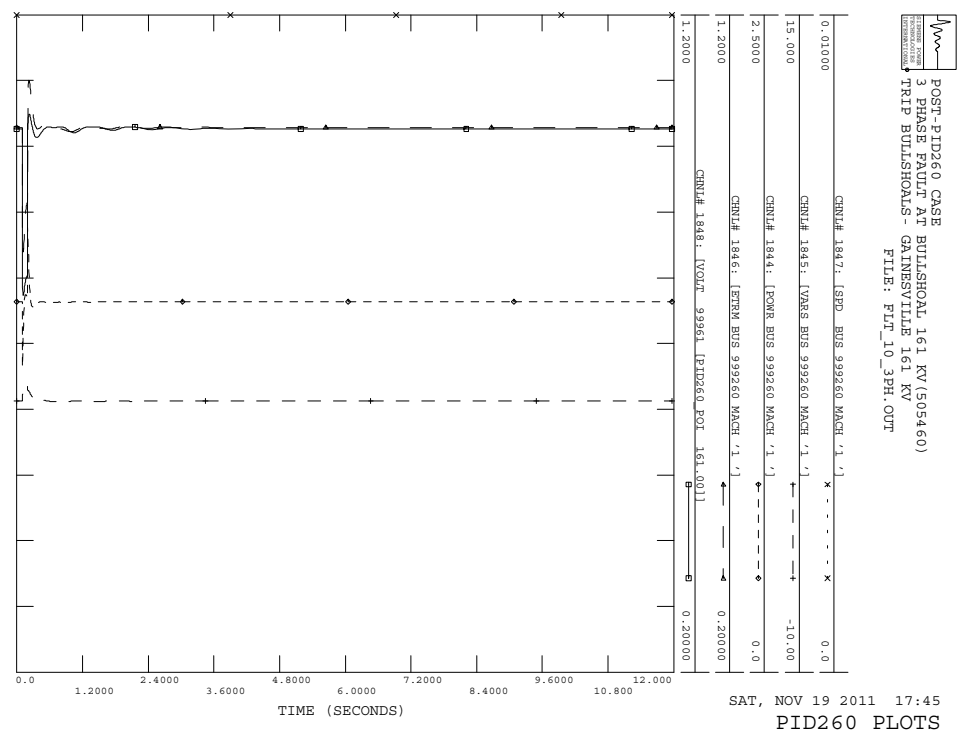
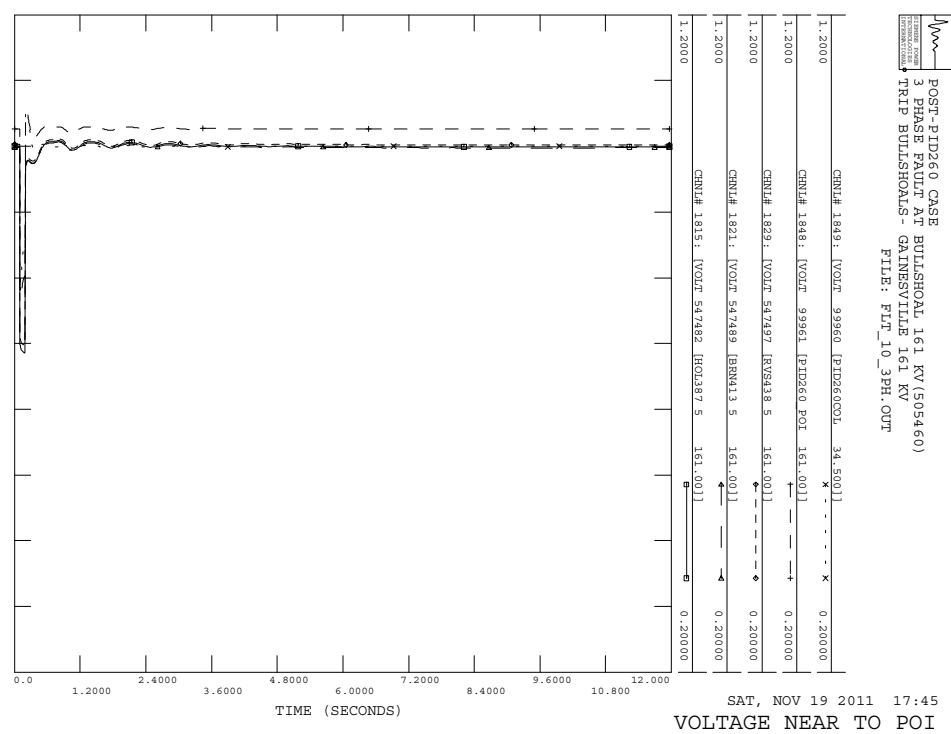
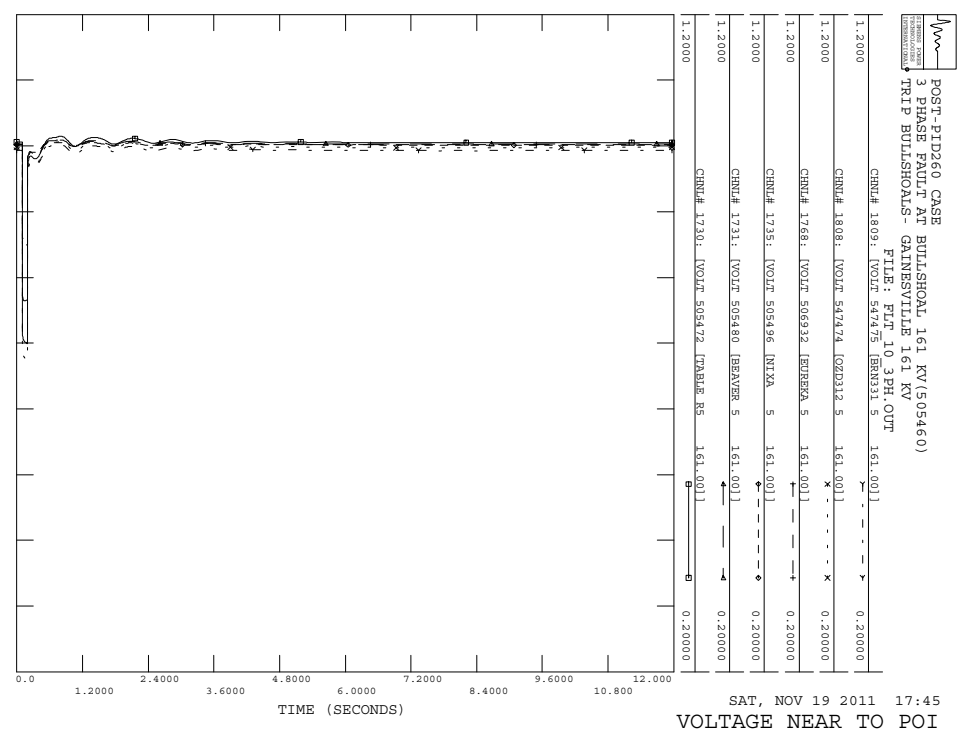
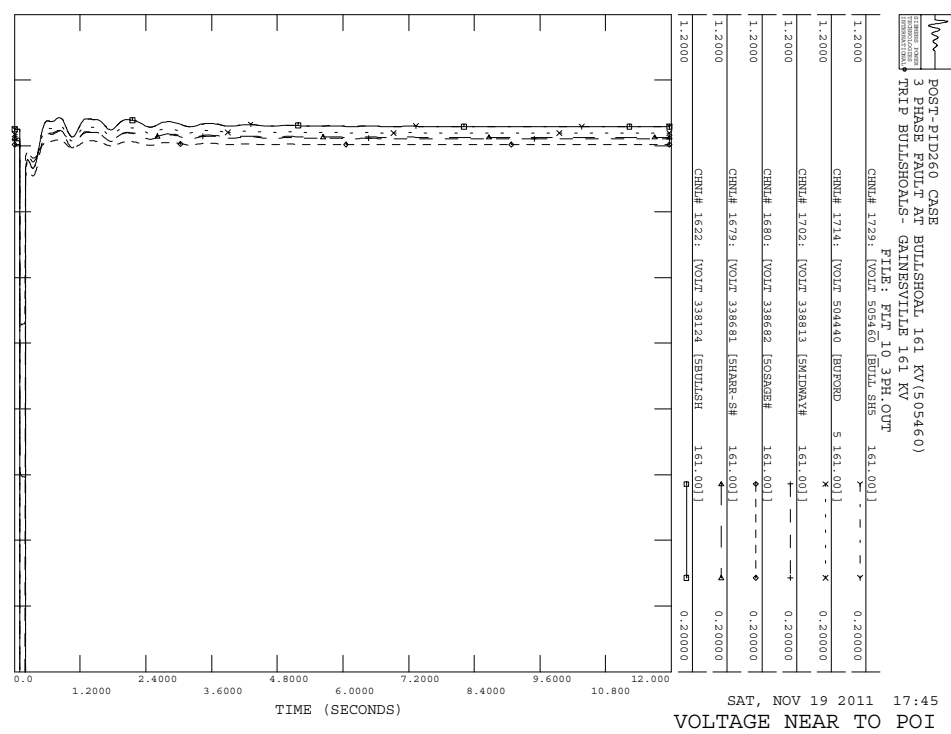
POST-PID260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- GAINESVILLE 161 KV
 FILE: FLT_10_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- GAINESVILLE 161 KV
 FILE: FLT_10_3PH.OUT





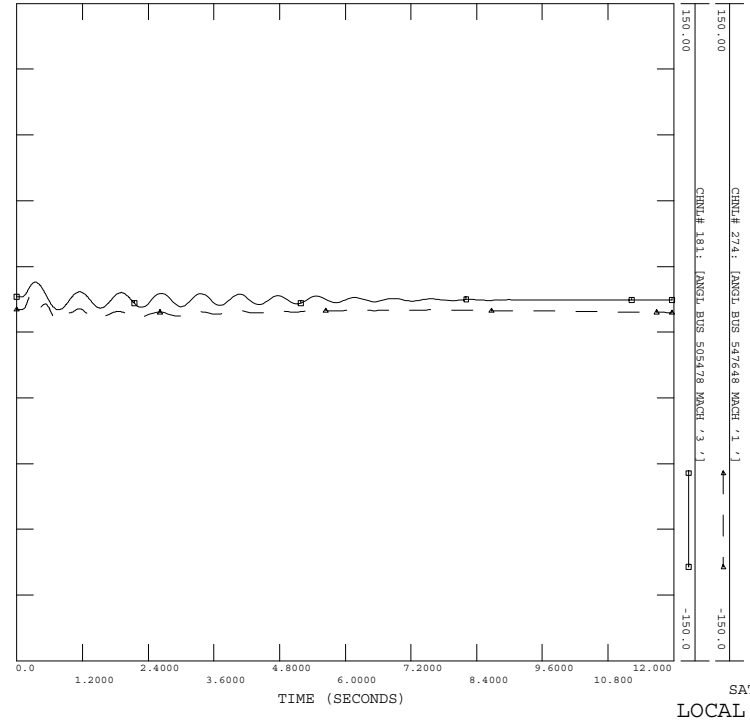


C.11 FLT_11_3PH

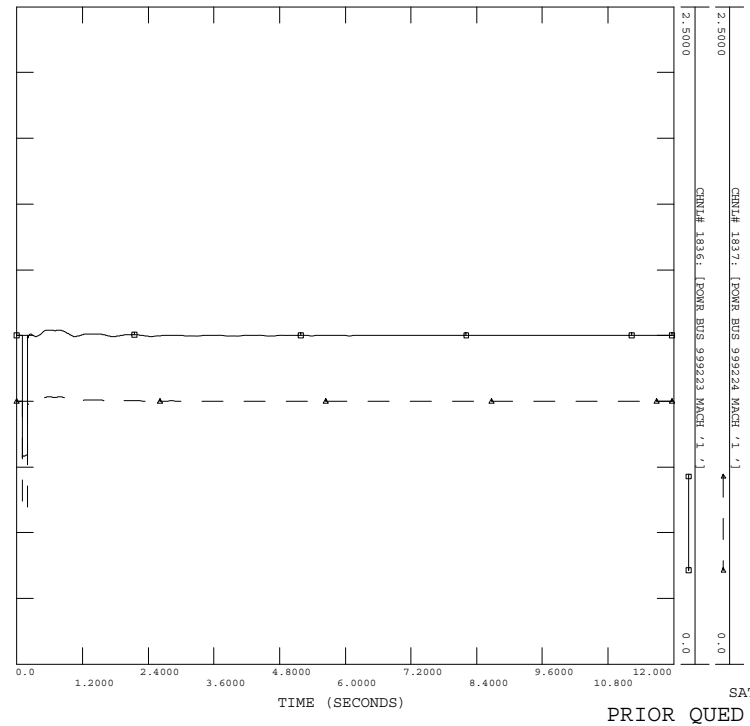
Three phase fault on the BullShoals-Leadhill 161 kV line.

- a) Apply 3 Phase Fault at BullShoals 161 kV bus
- b) Clear fault after 6 cycles by tripping BullShoals-Leadhill 161 kV line.

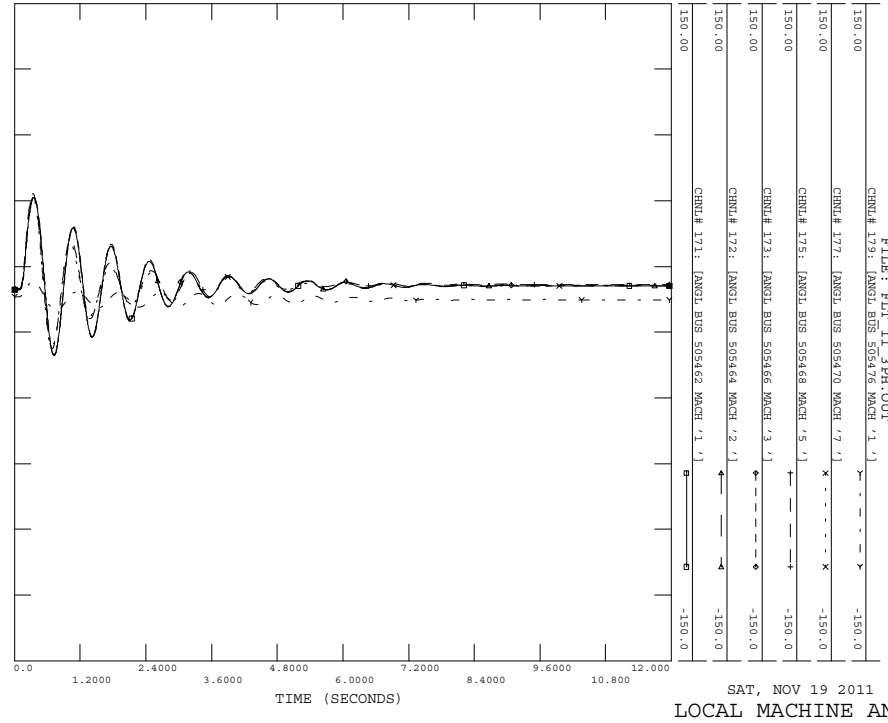
POST-PTD260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS-LEADHILL 161 KV
 FILE: FLT_11_3PH.OUT



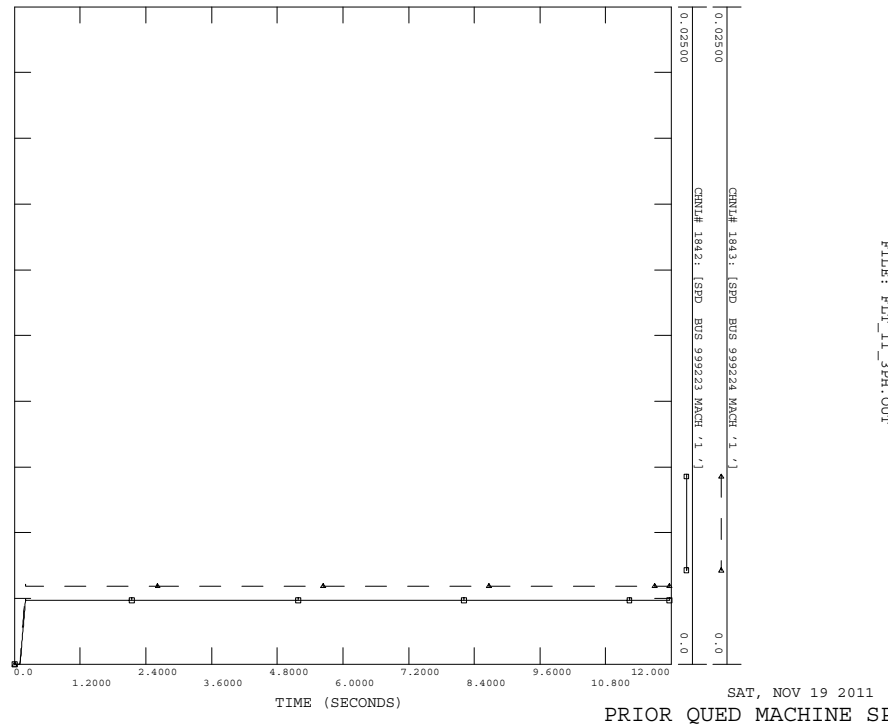
POST-PTD260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS-LEADHILL 161 KV
 FILE: FLT_11_3PH.OUT

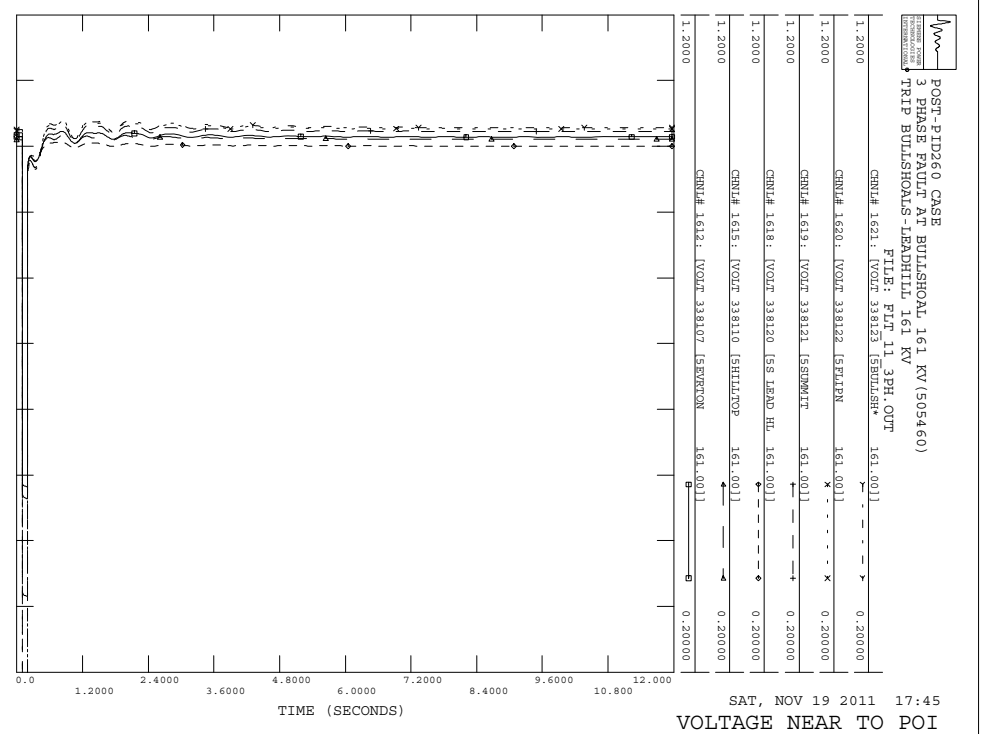
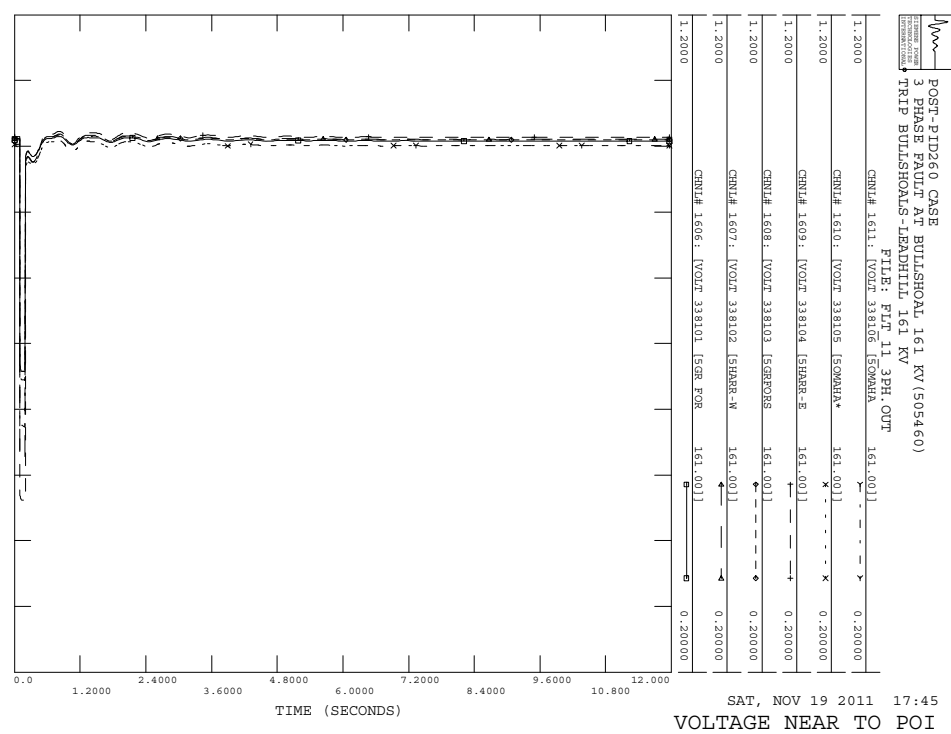
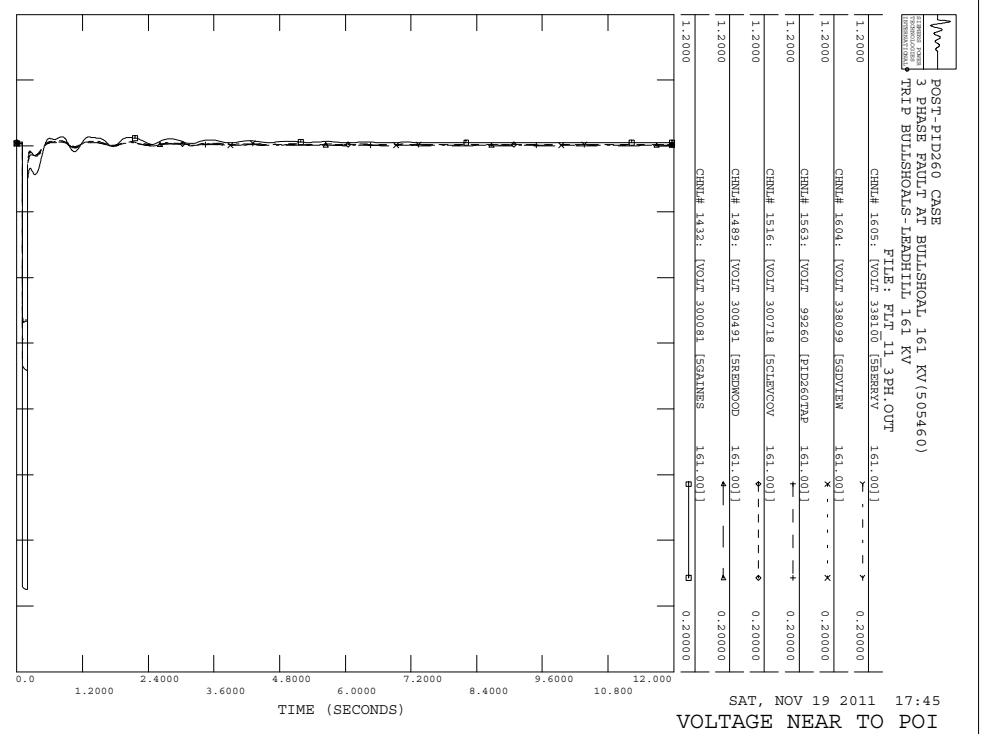
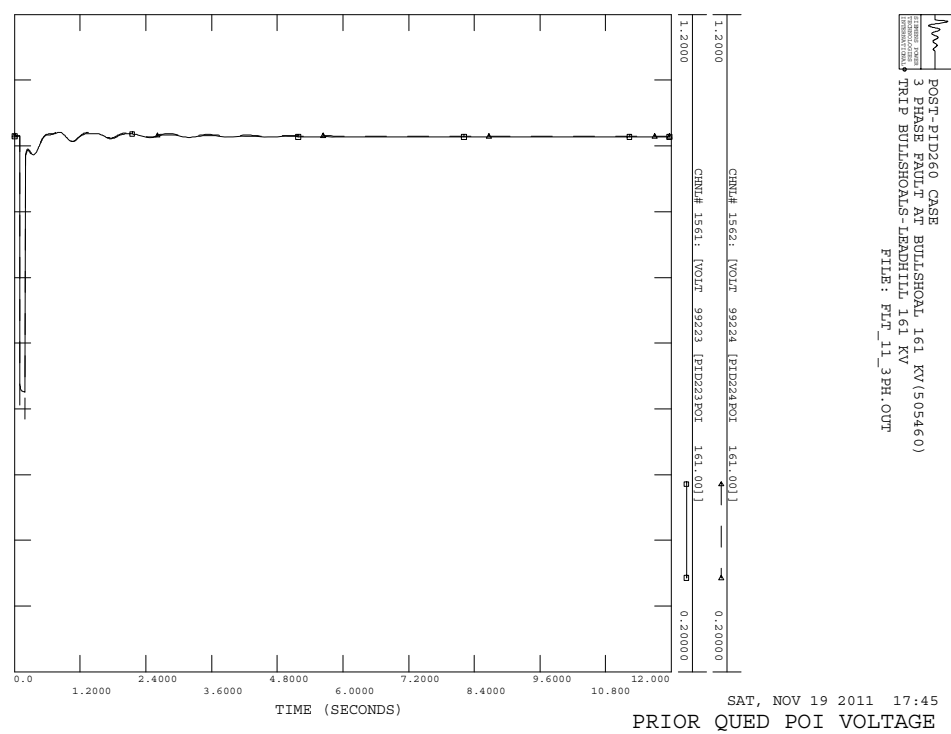


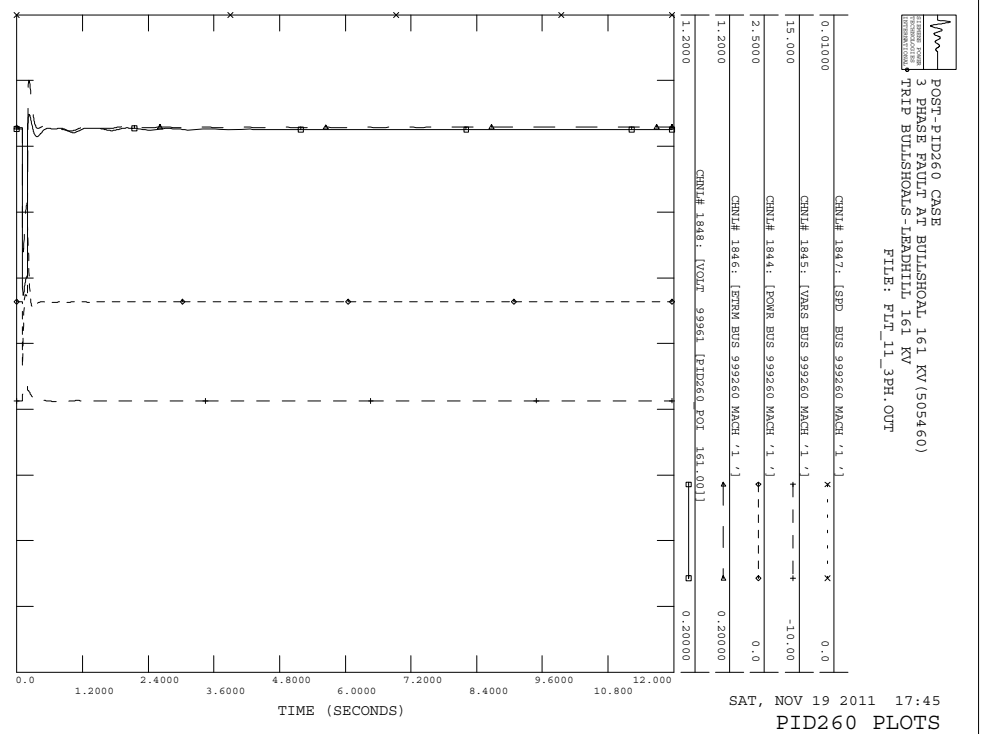
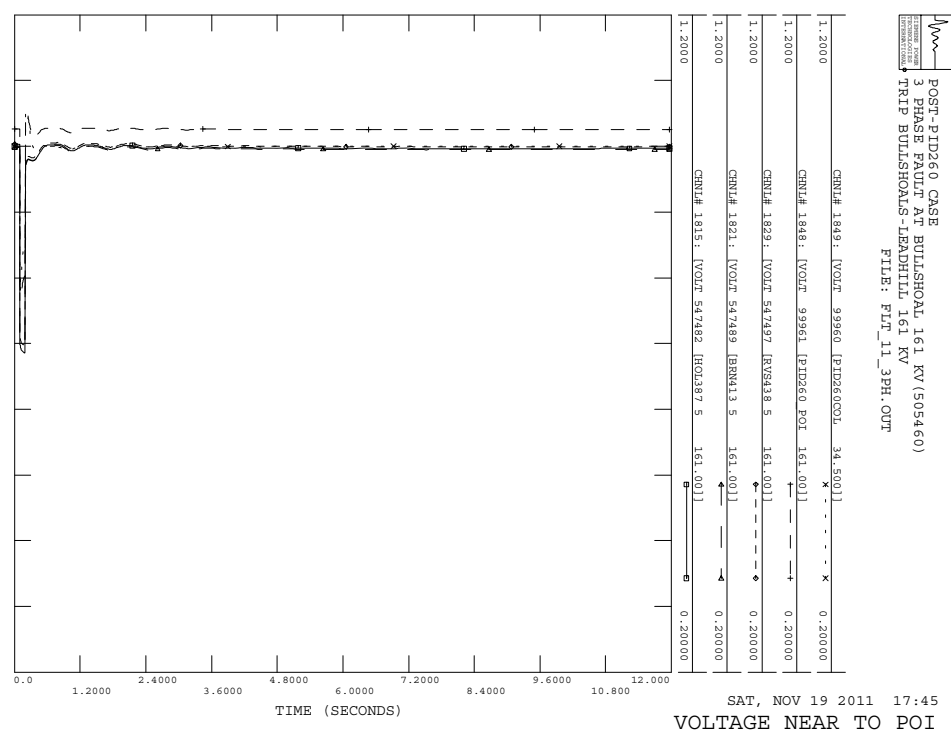
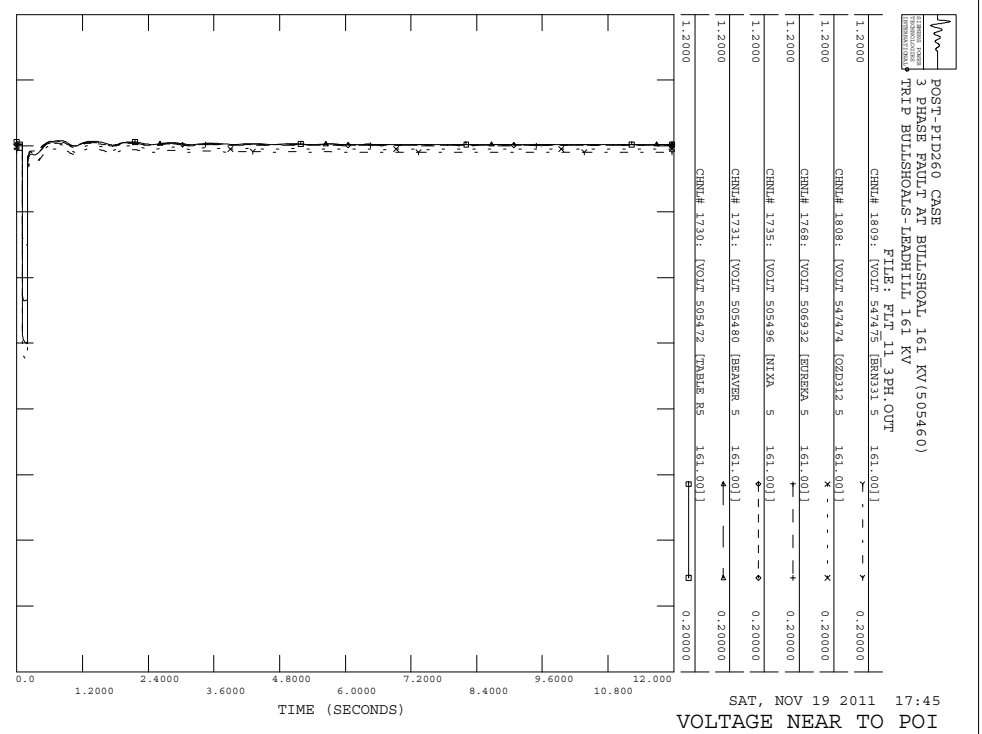
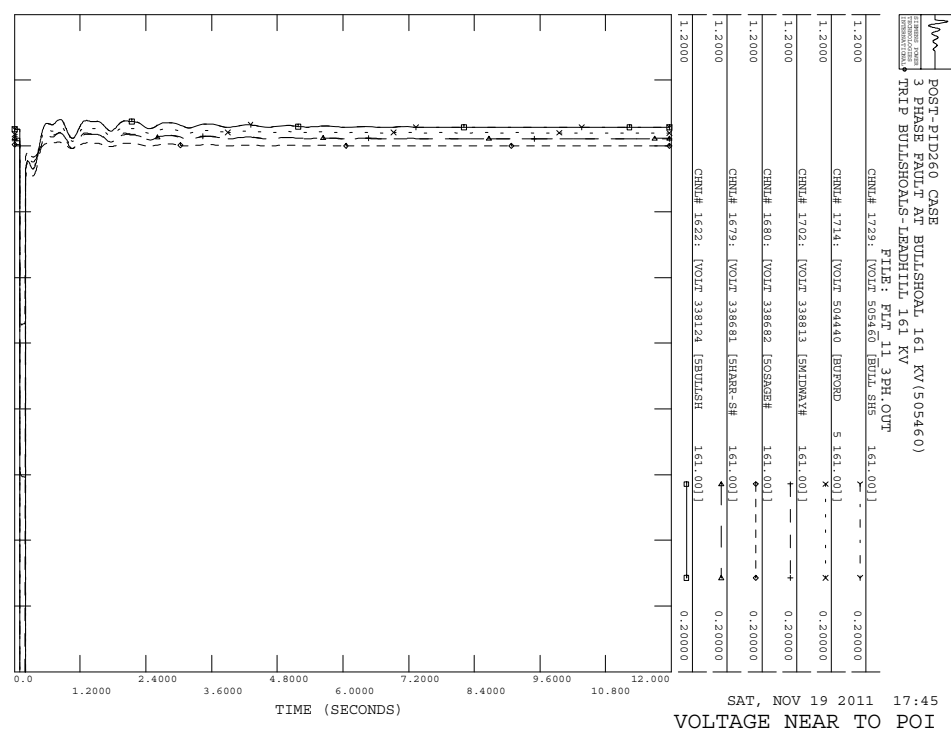
POST-PTD260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS-LEADHILL 161 KV
 FILE: FLT_11_3PH.OUT



POST-PTD260 CASE
 3 PHASE FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS-LEADHILL 161 KV
 FILE: FLT_11_3PH.OUT





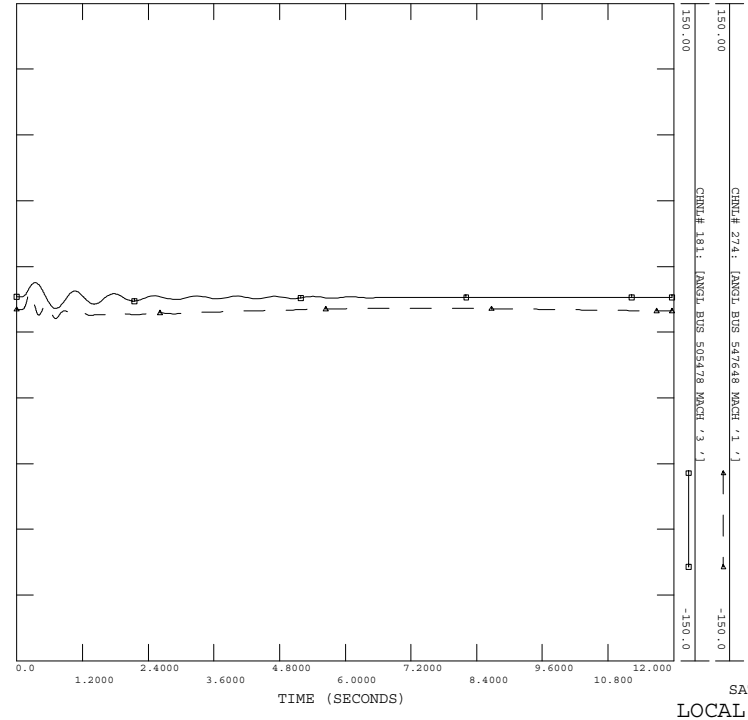


C.12 FLT_12_3PH

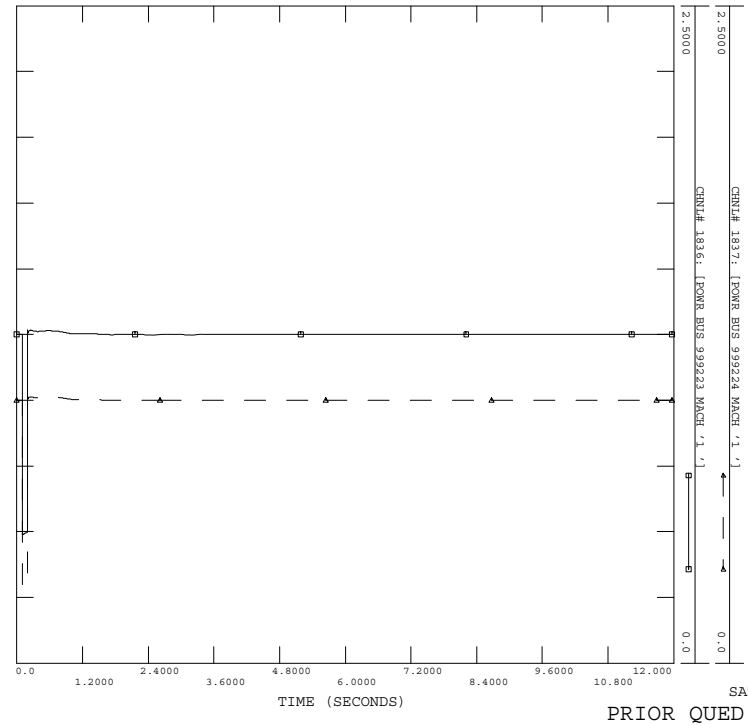
Three phase fault on the Harrison East - Everton 161 kV line.

- a) Apply 3 Phase Fault at Harrison East 161 kV bus
- b) Clear fault after 6 cycles by tripping Harrison East - Everton 161 kV line.

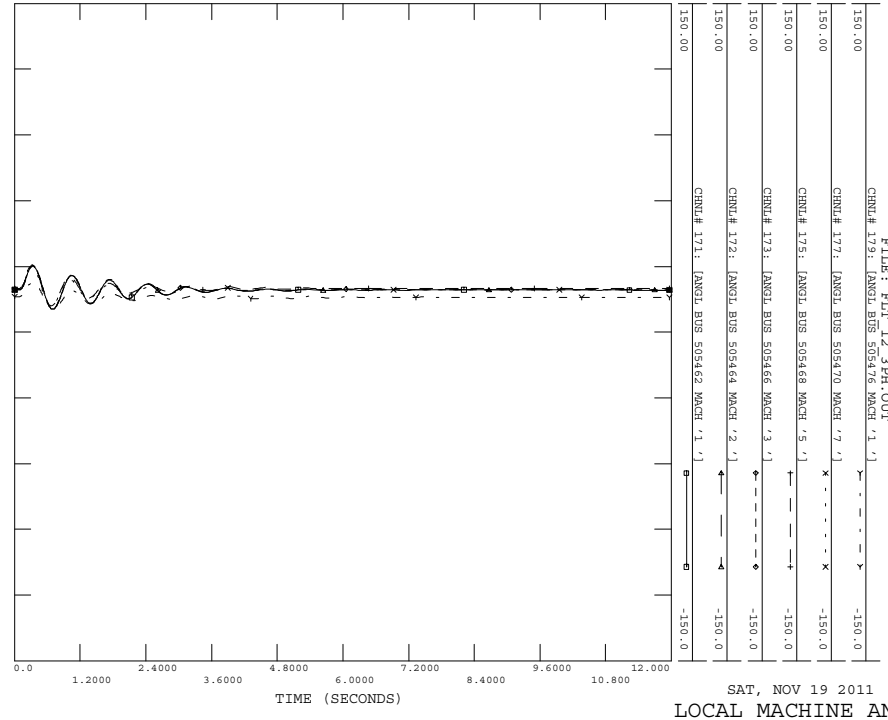
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_12_3PH.OUT



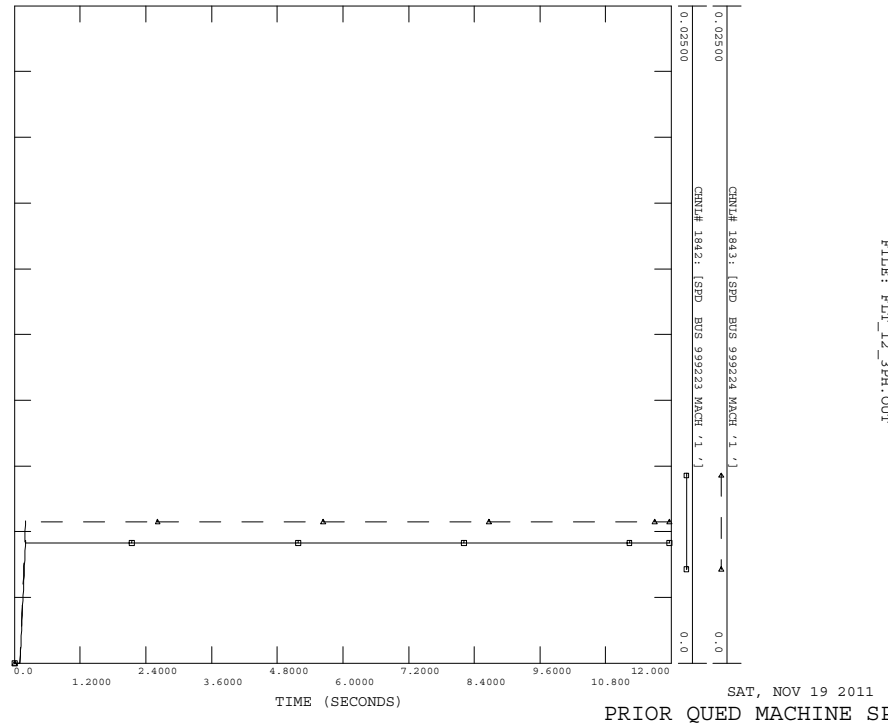
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_12_3PH.OUT

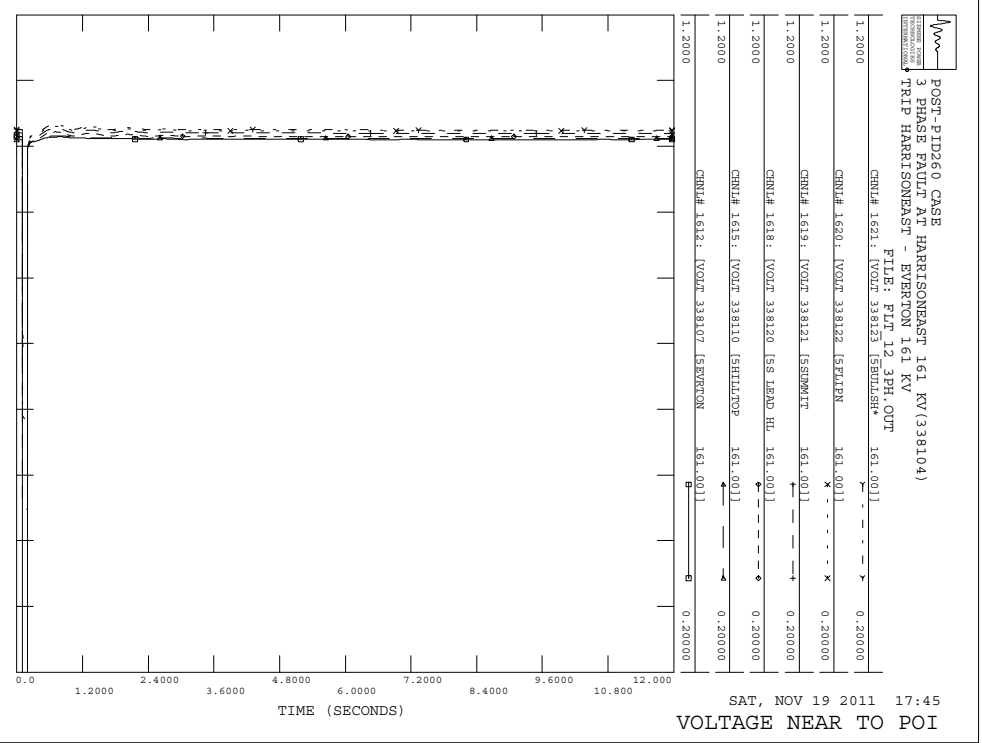
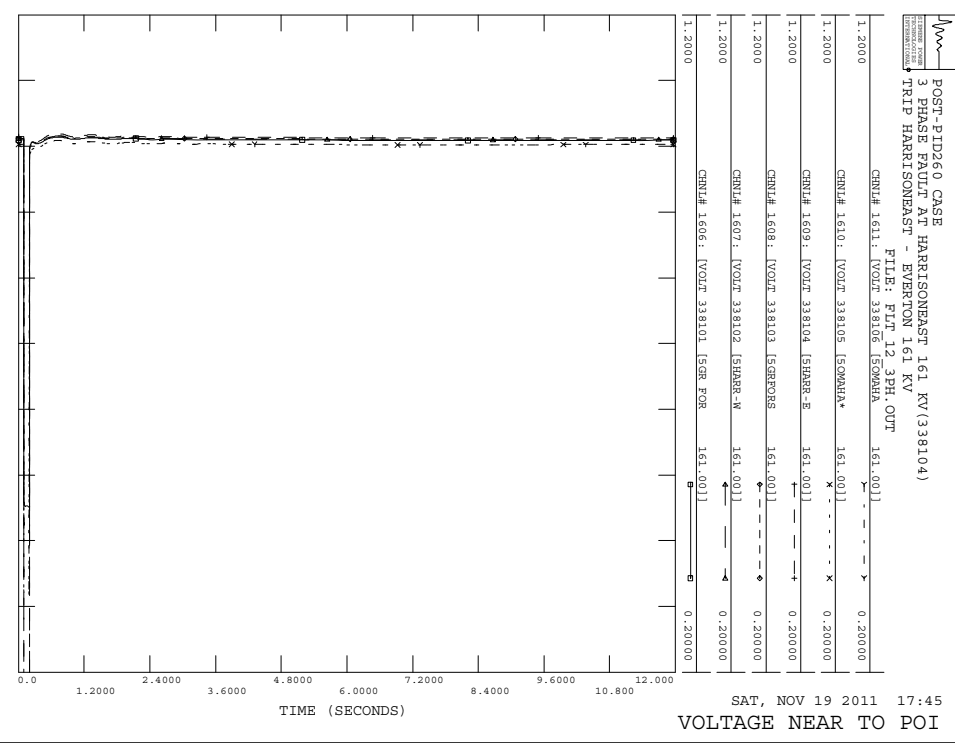
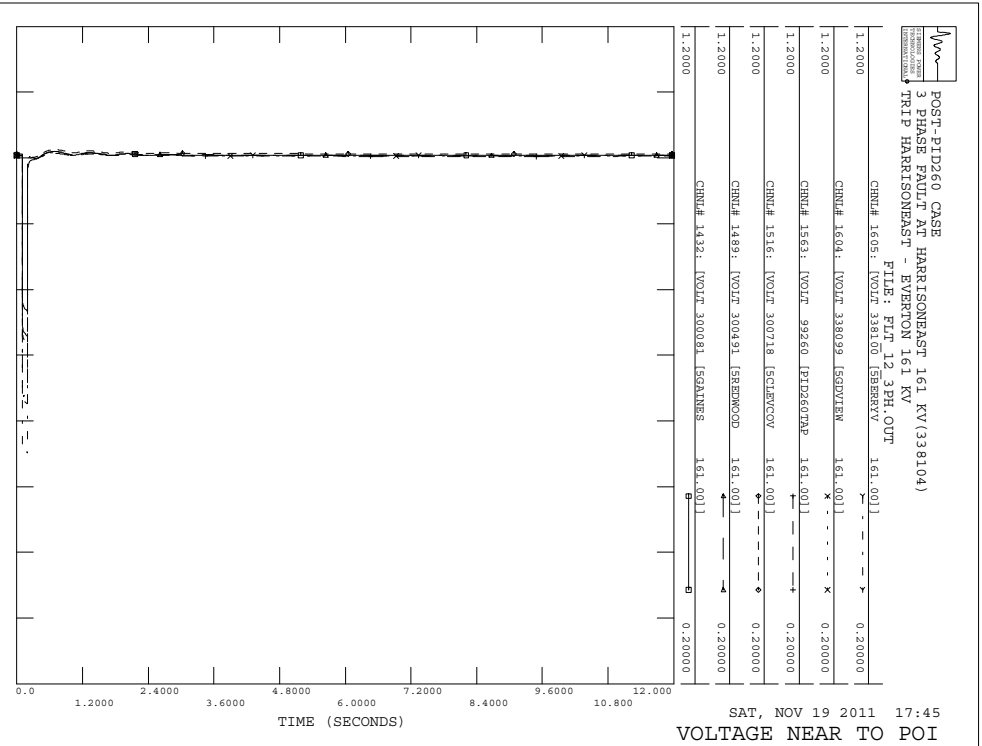
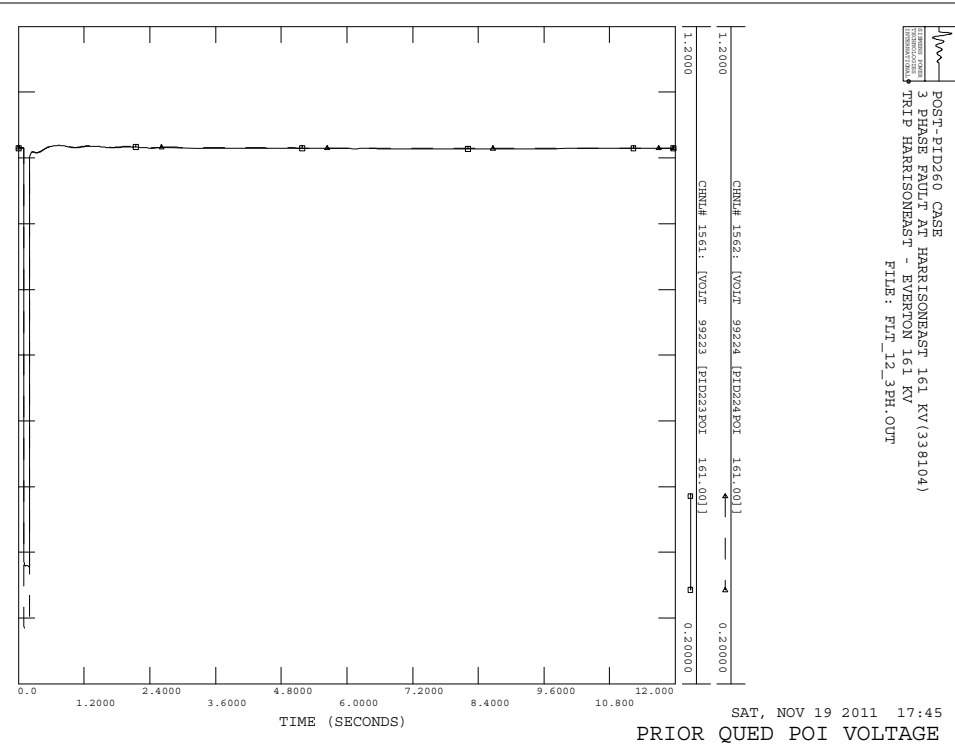


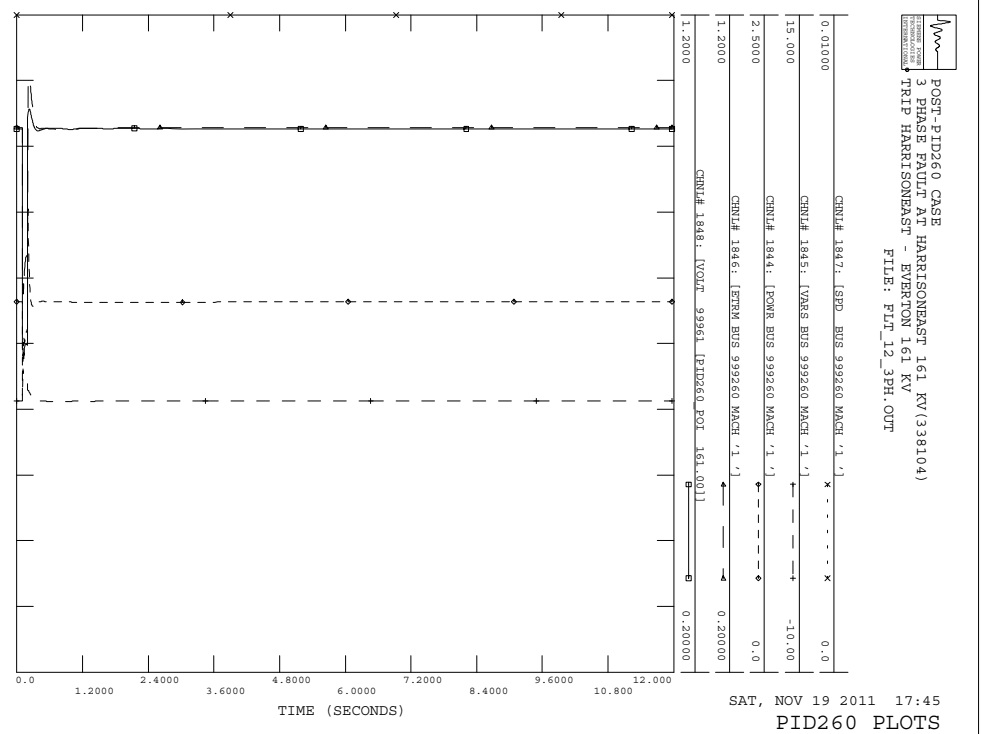
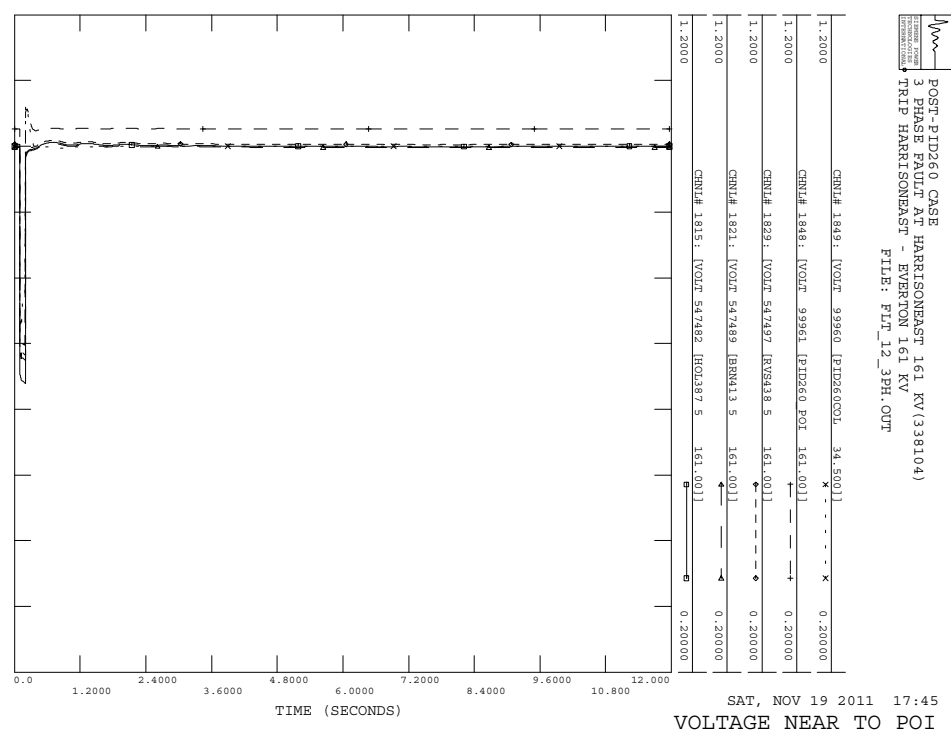
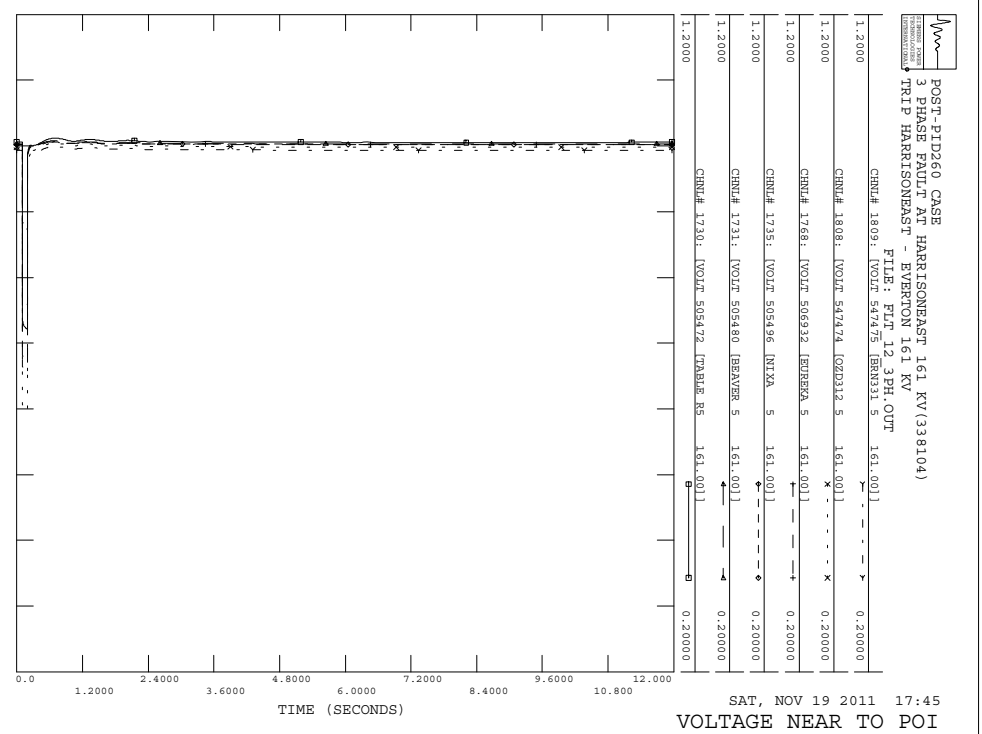
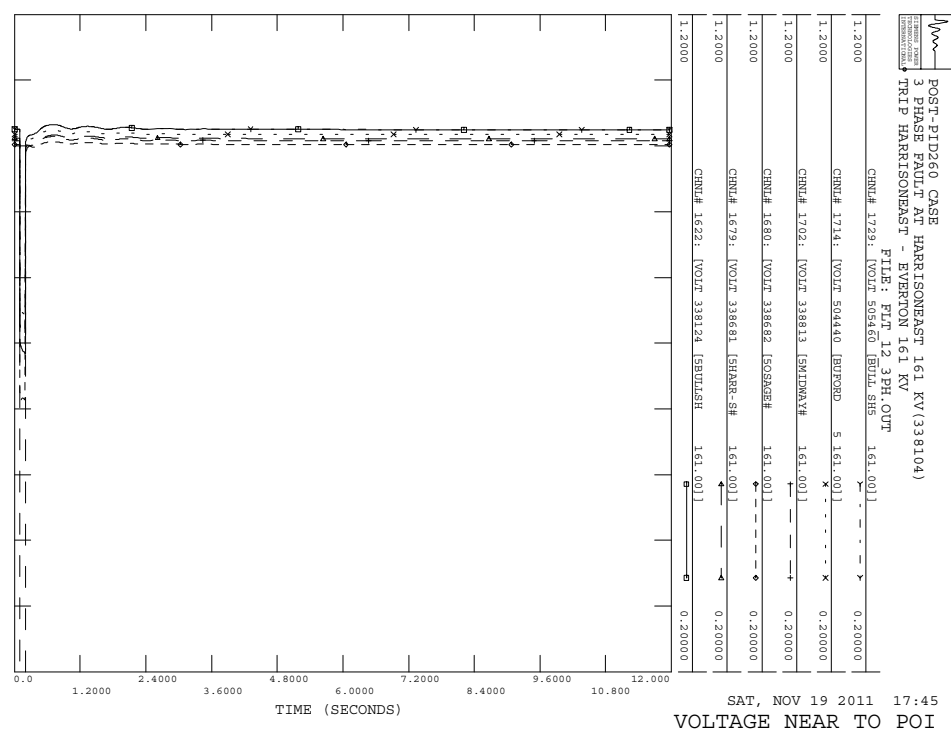
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_12_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_12_3PH.OUT





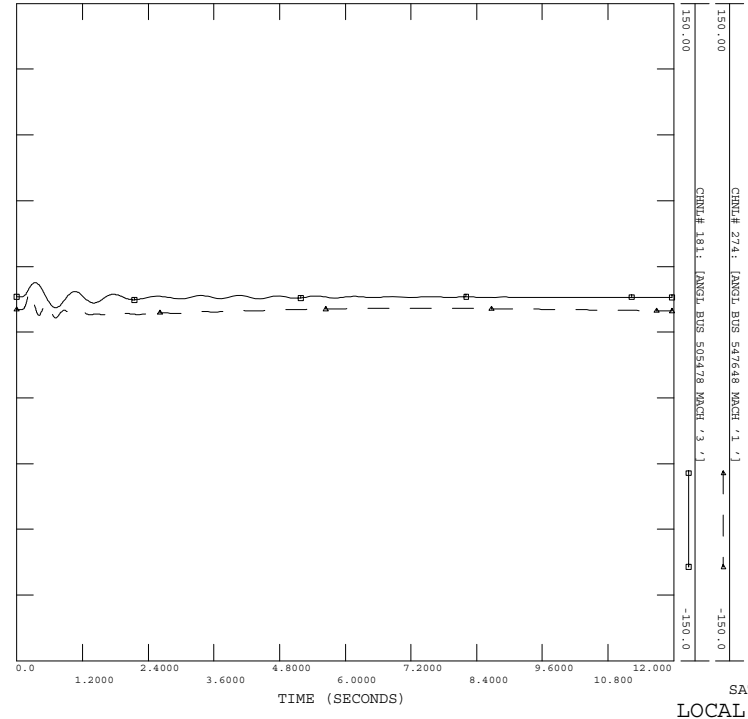


C.13 FLT_13_3PH

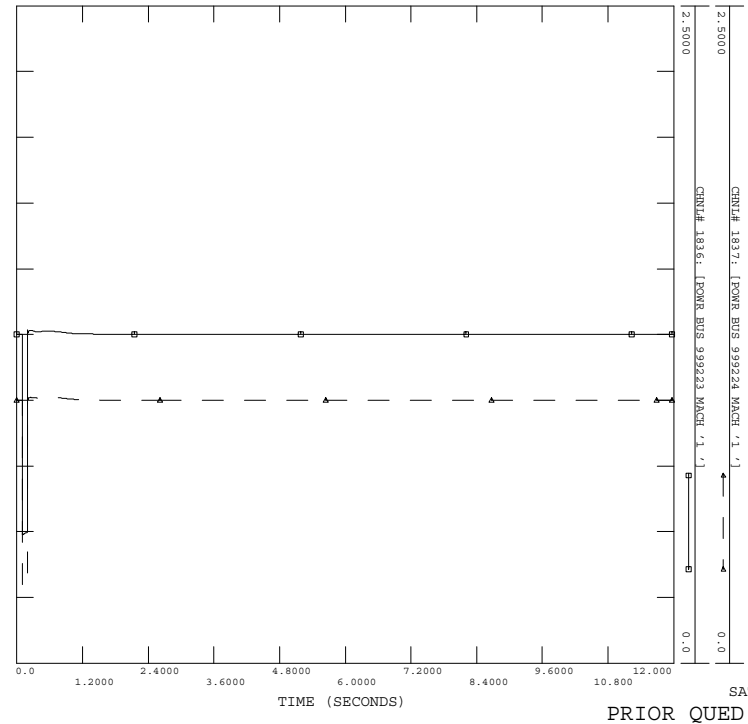
Three phase fault on the Harrison East-Summit 161 kV line.

- a) Apply 3 Phase Fault at Harrison East 161 kV bus
- b) Clear fault after 6 cycles by tripping Harrison East-Summit 161 kV line

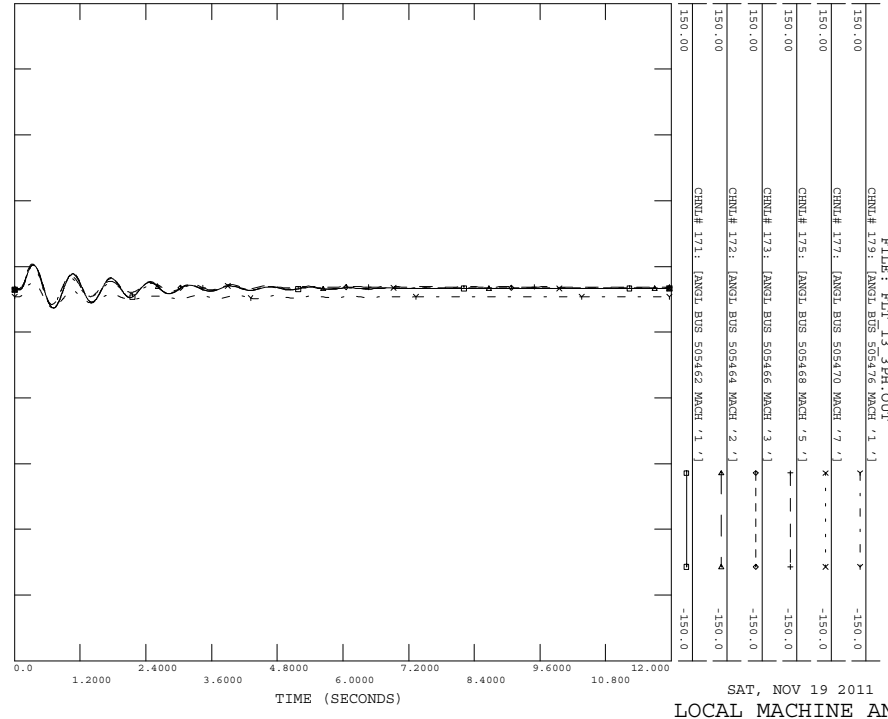
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST-SUMMIT 161 KV
 FILE: FLT_13_3PH.OUT



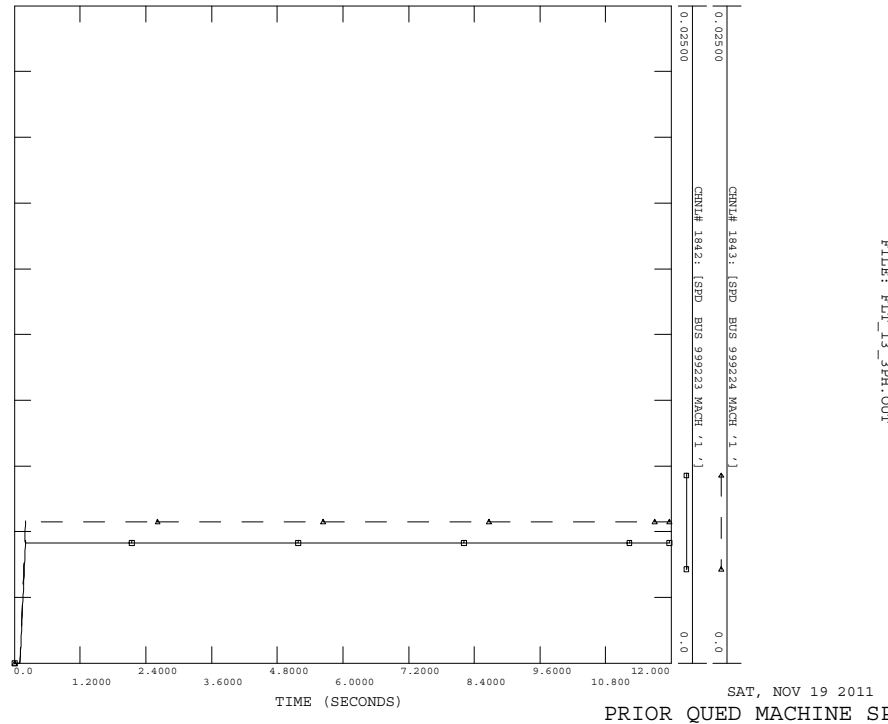
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST-SUMMIT 161 KV
 FILE: FLT_13_3PH.OUT

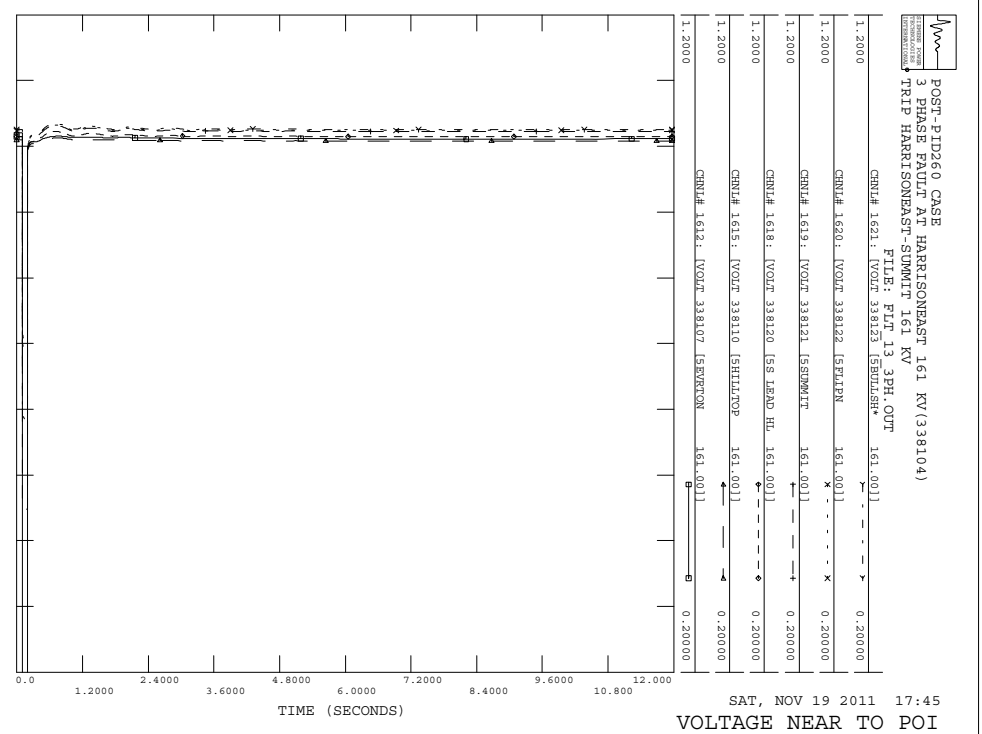
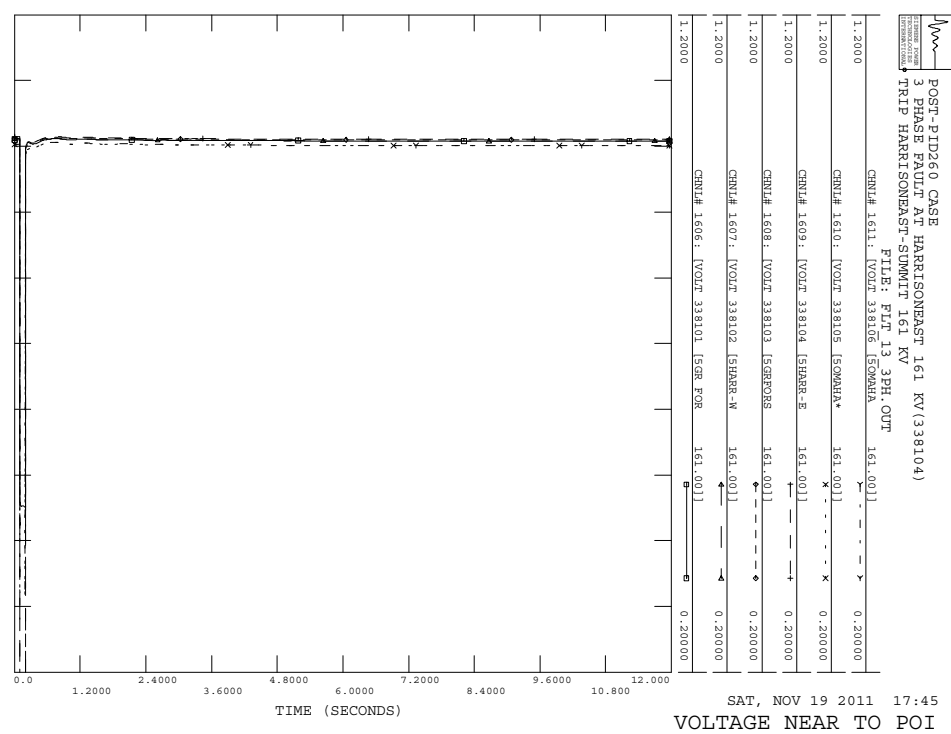
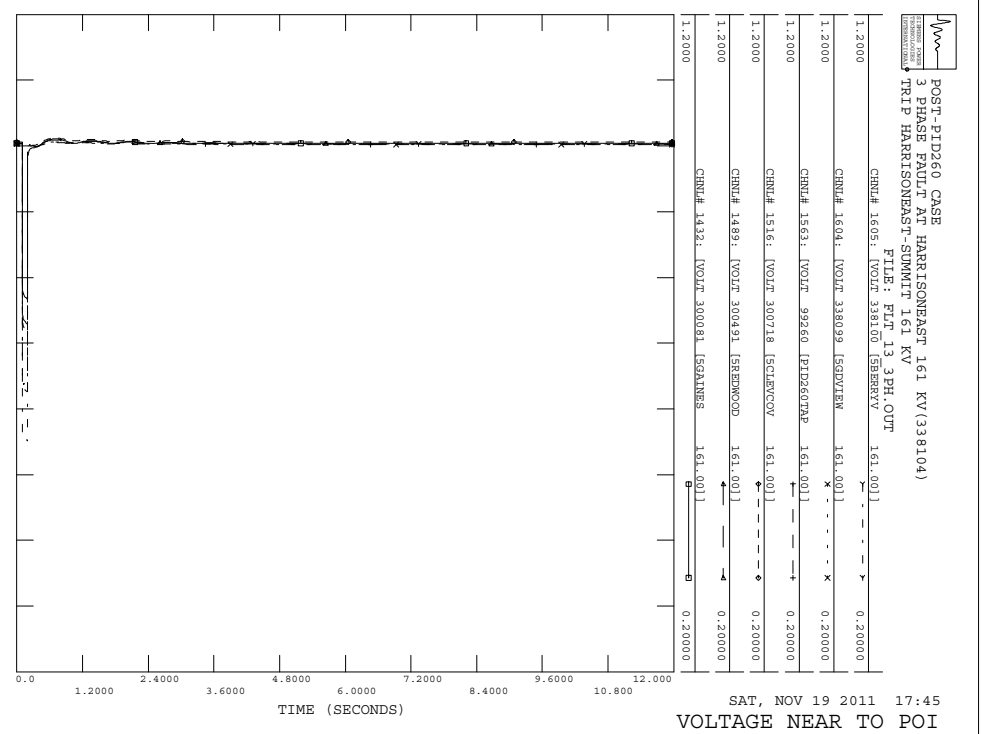
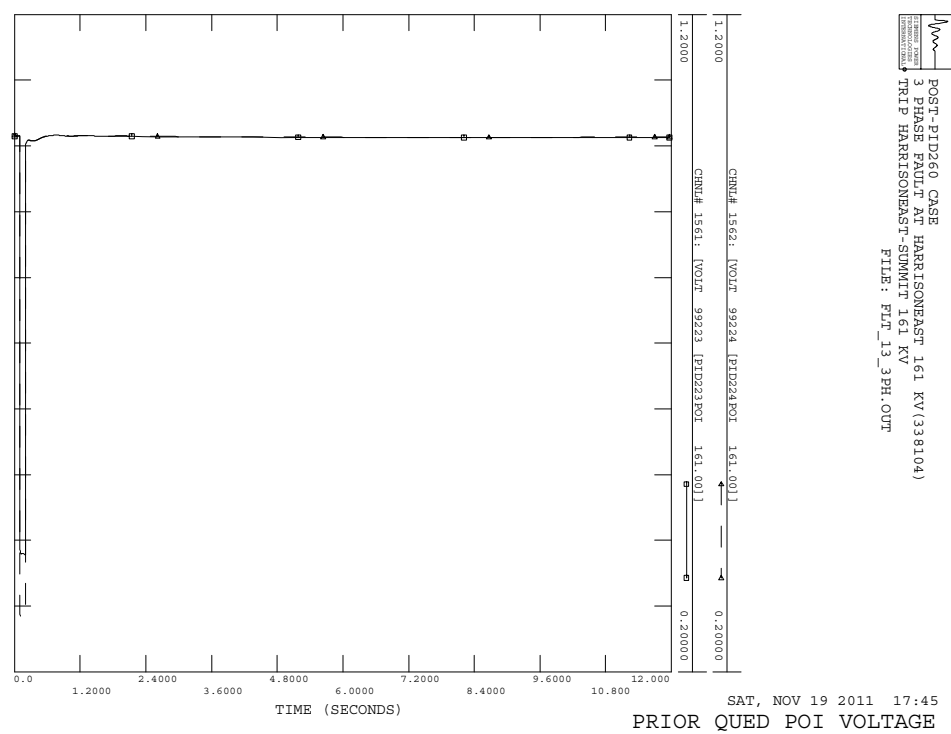


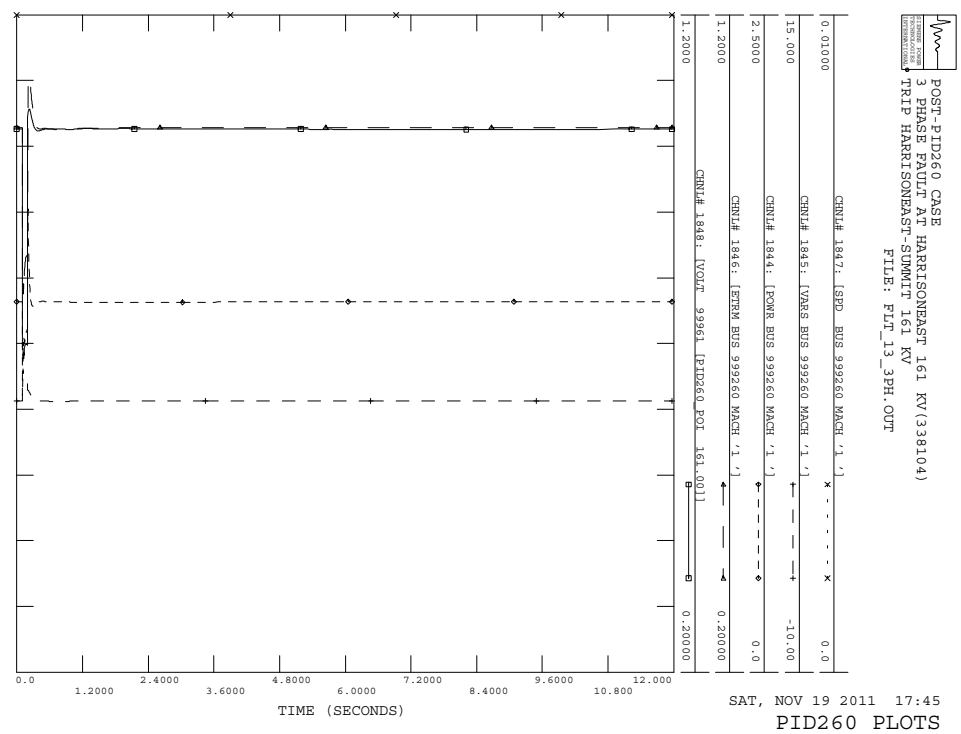
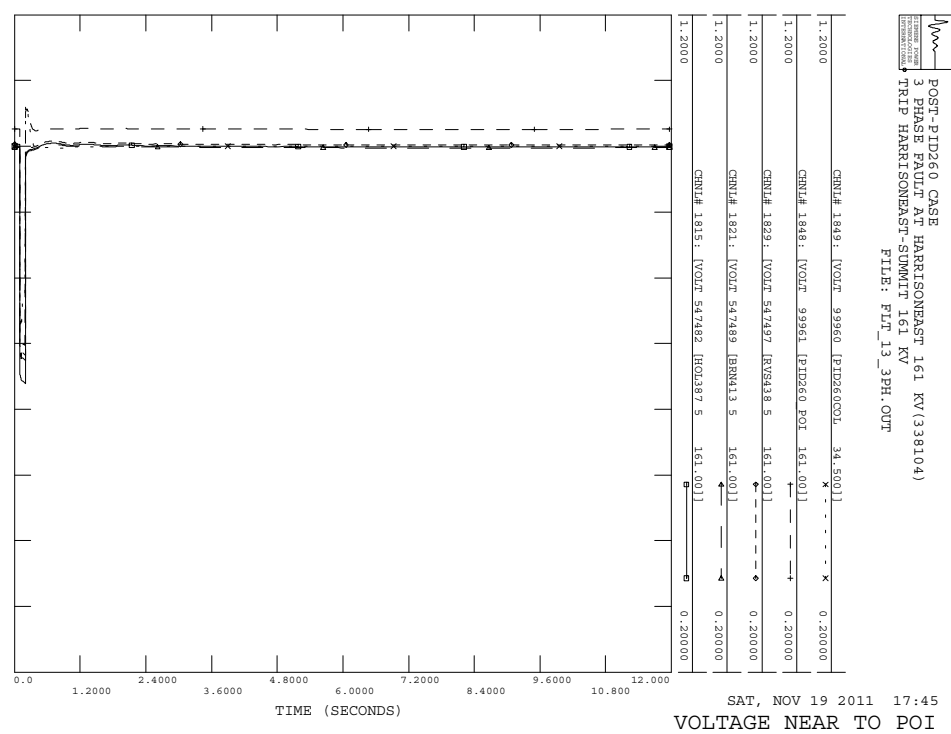
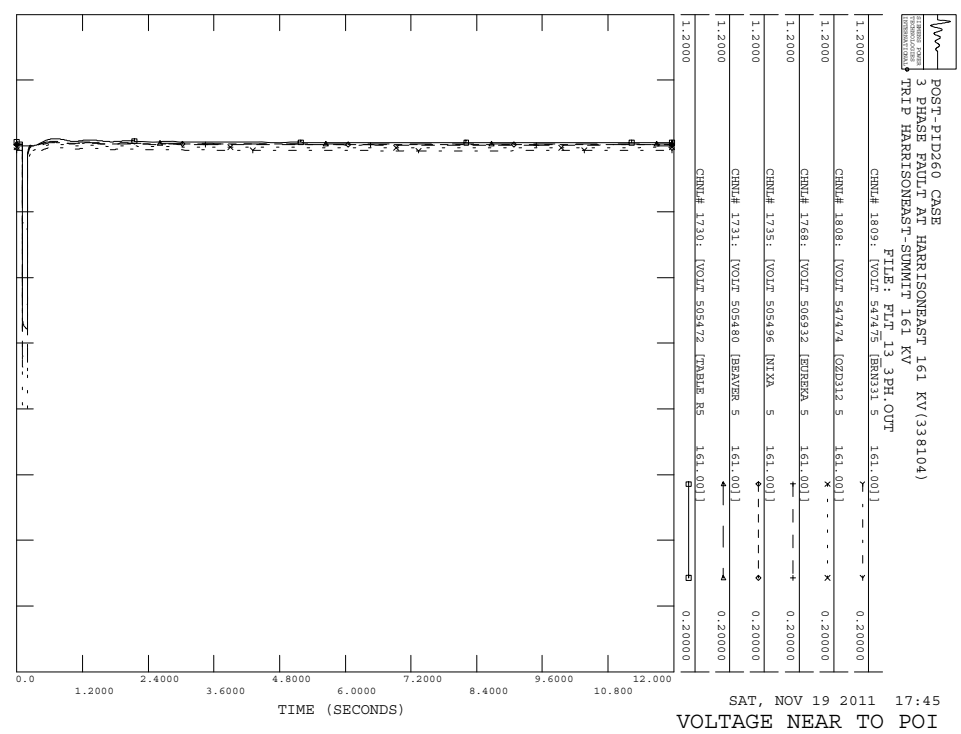
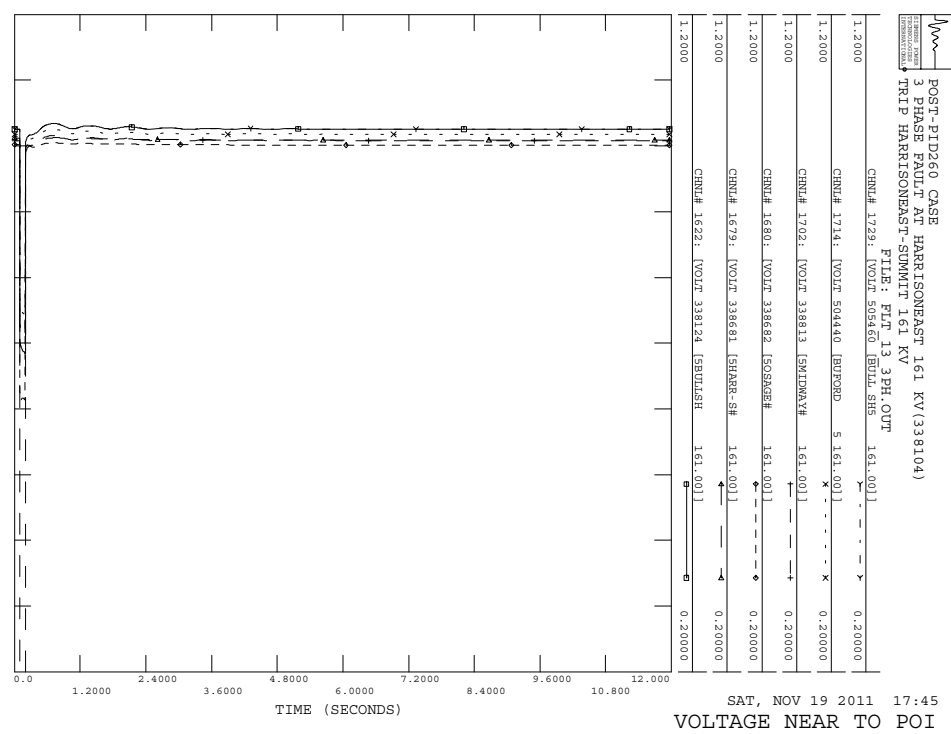
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST-SUMMIT 161 KV
 FILE: FLT_13_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST-SUMMIT 161 KV
 FILE: FLT_13_3PH.OUT





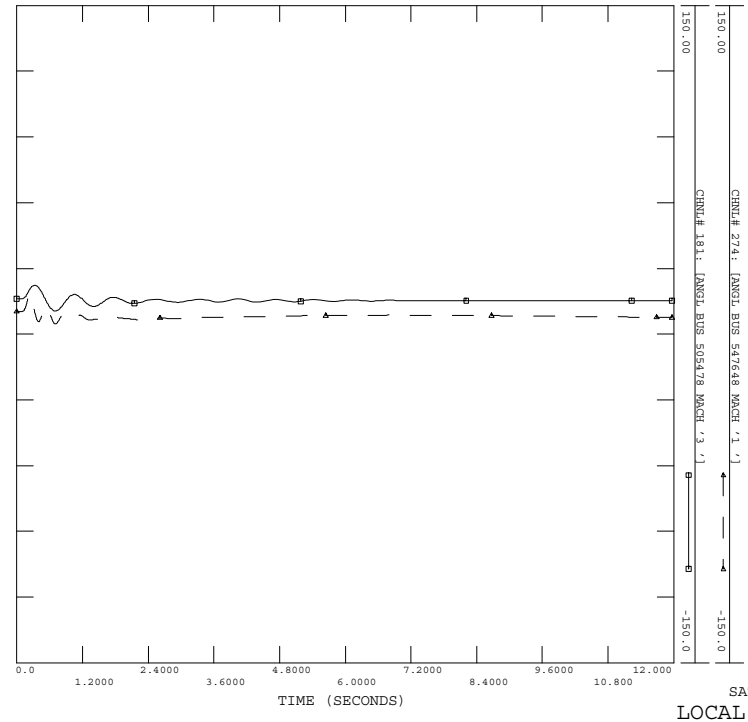


C.14 FLT_14_3PH

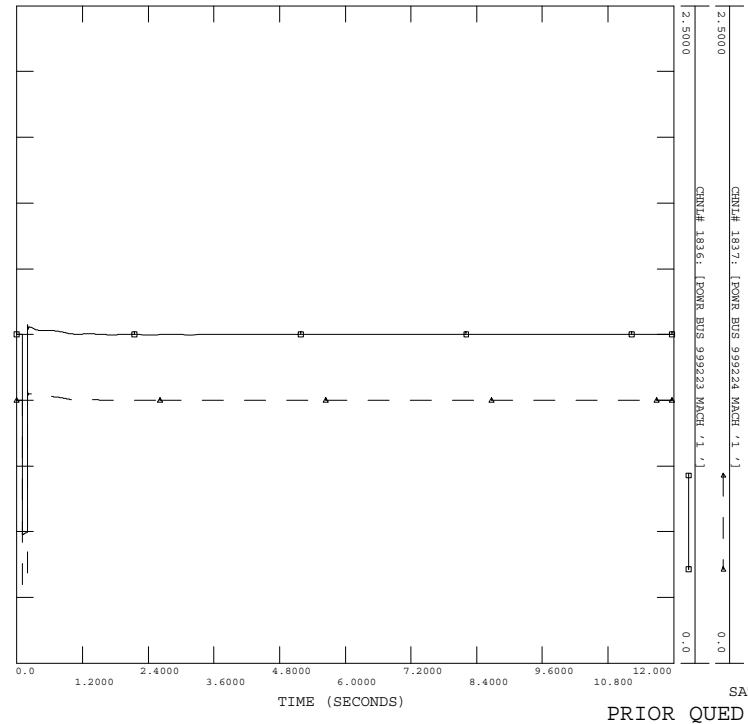
Three phase fault on the Harrison East - Omaha161 kV line.

- a) Apply 3 Phase Fault at Harrison East 161 kV bus
- b) Clear fault after 6 cycles by tripping Harrison East - Omaha161 kV line

POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_14_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_14_3PH.OUT



POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_14_3PH.OUT

CHNL# 172: [ANG] BUS 505470 MACH '1' |

CHNL# 177: [ANG] BUS 505470 MACH '7' |

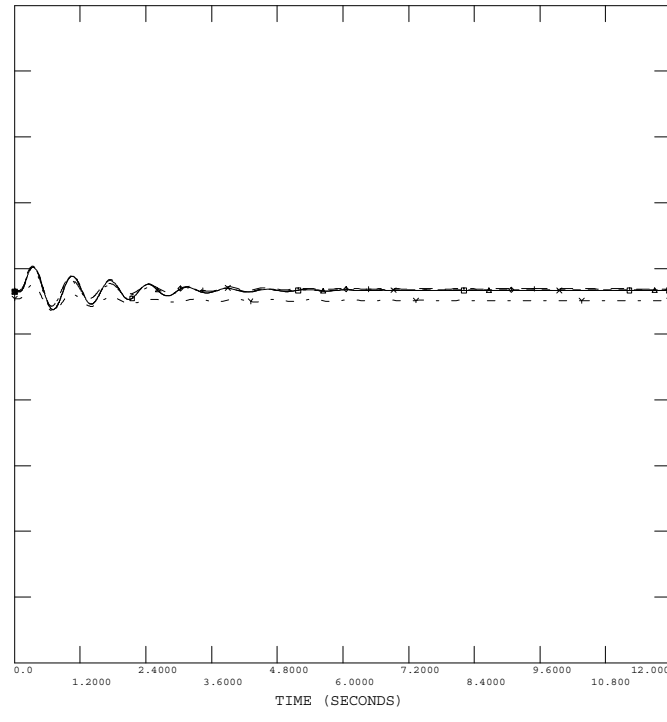
CHNL# 175: [ANG] BUS 505468 MACH '5' |

CHNL# 173: [ANG] BUS 505466 MACH '3' |

CHNL# 172: [ANG] BUS 505464 MACH '2' |

CHNL# 171: [ANG] BUS 505462 MACH '1' |

SAT, NOV 19 2011 17:45
 LOCAL MACHINE ANGLE

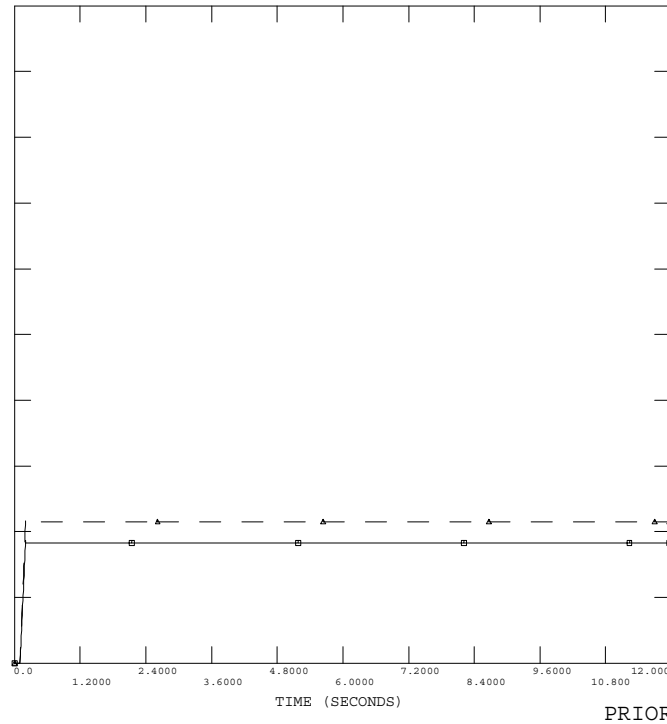


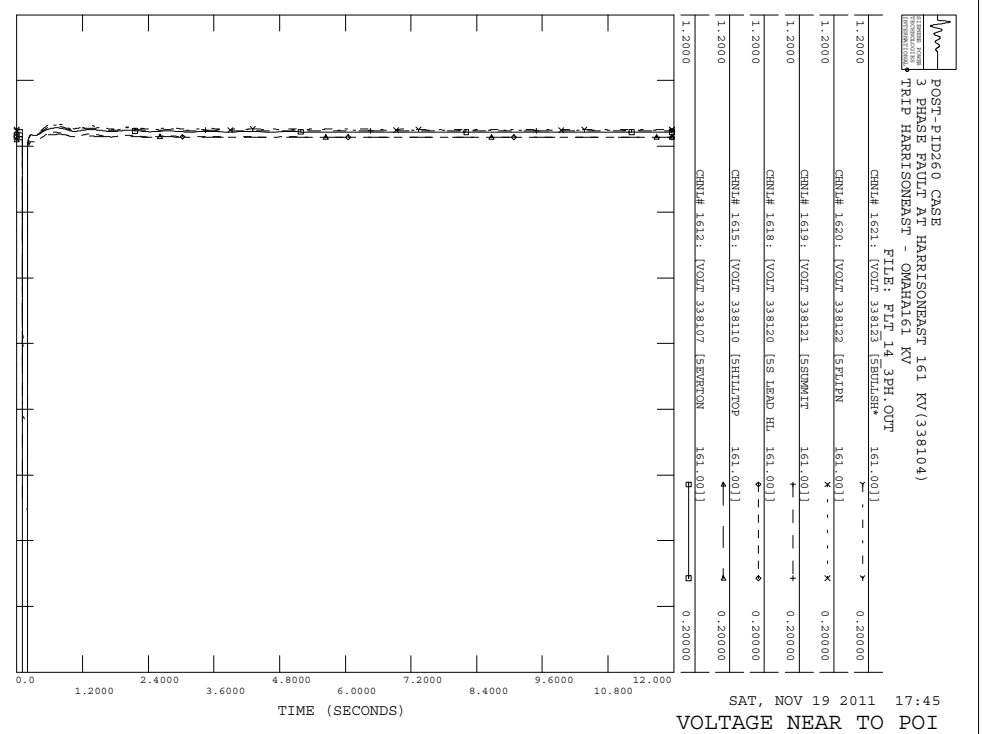
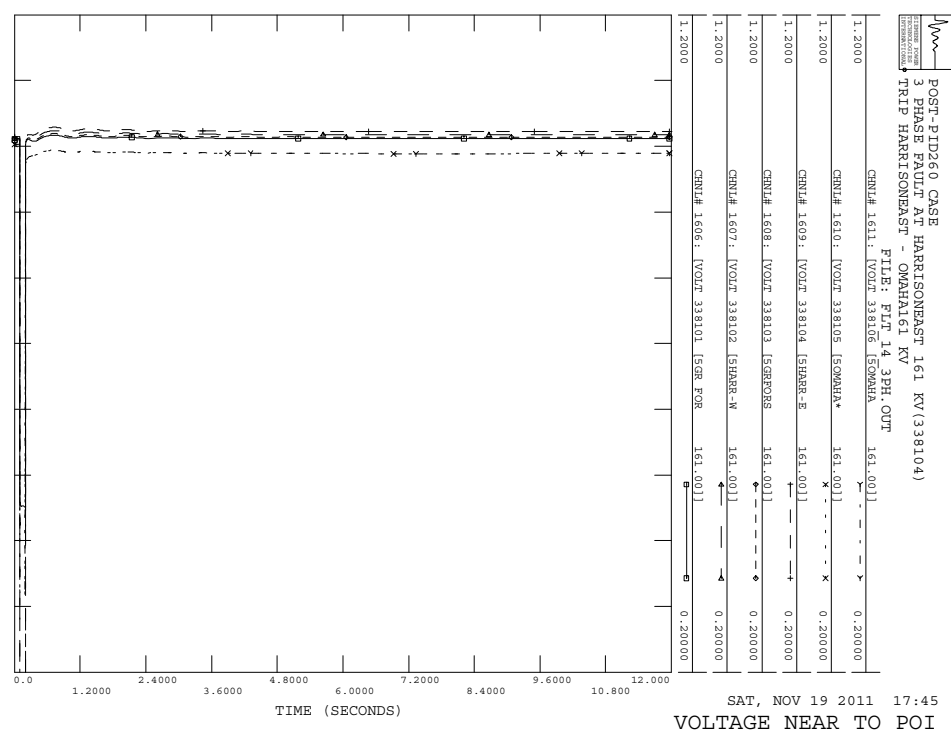
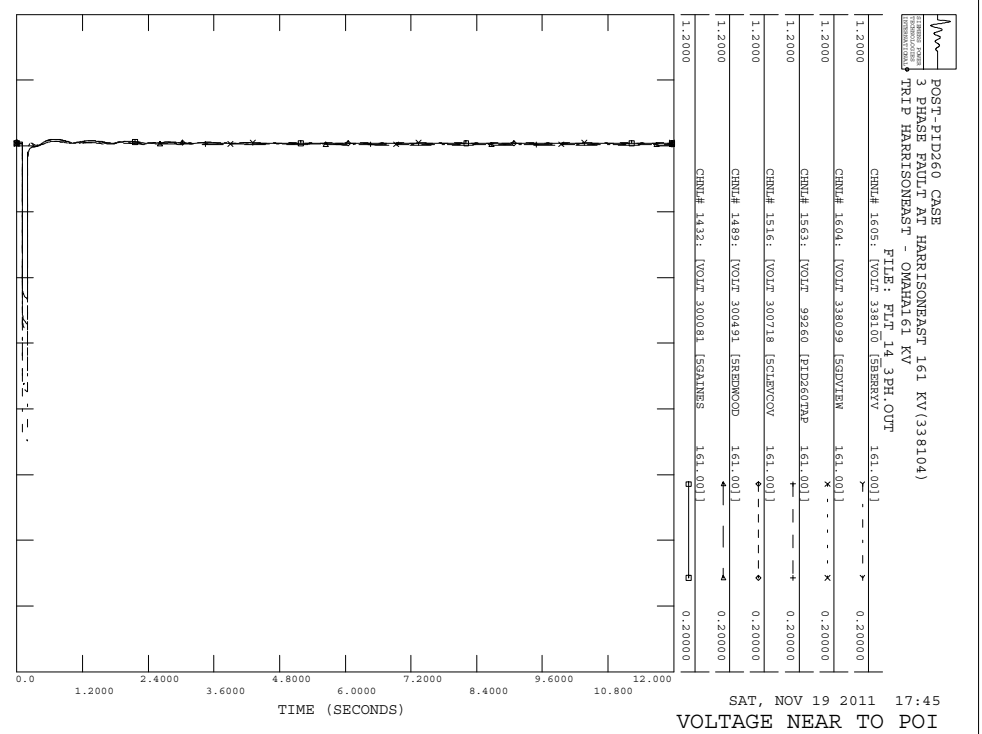
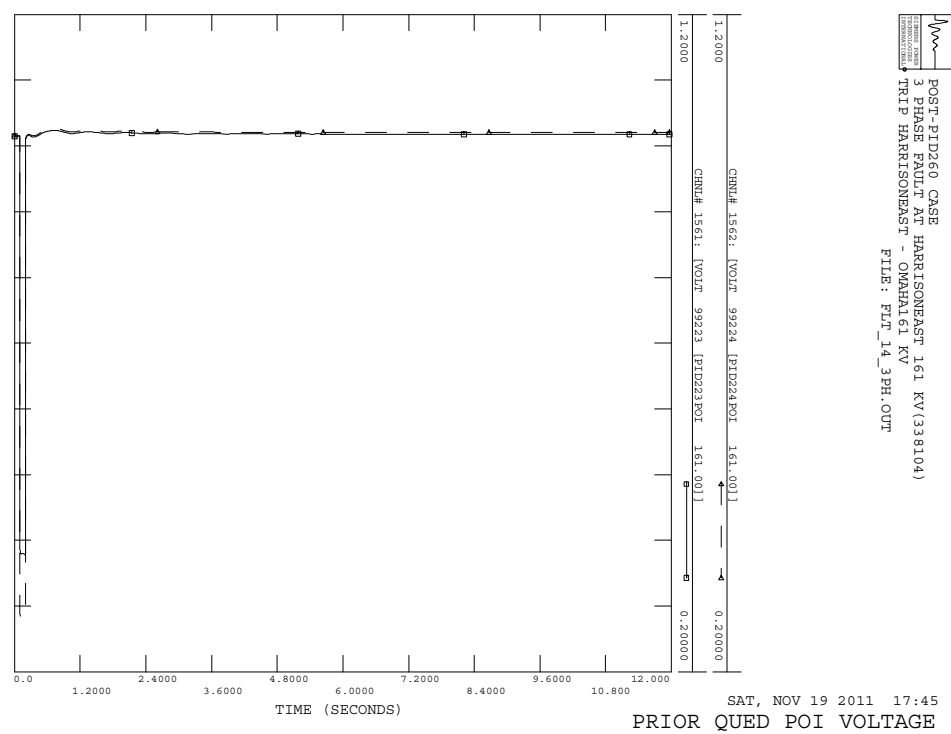
POST-PID260 CASE
 3 PHASE FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST
 FILE: FLT_14_3PH.OUT

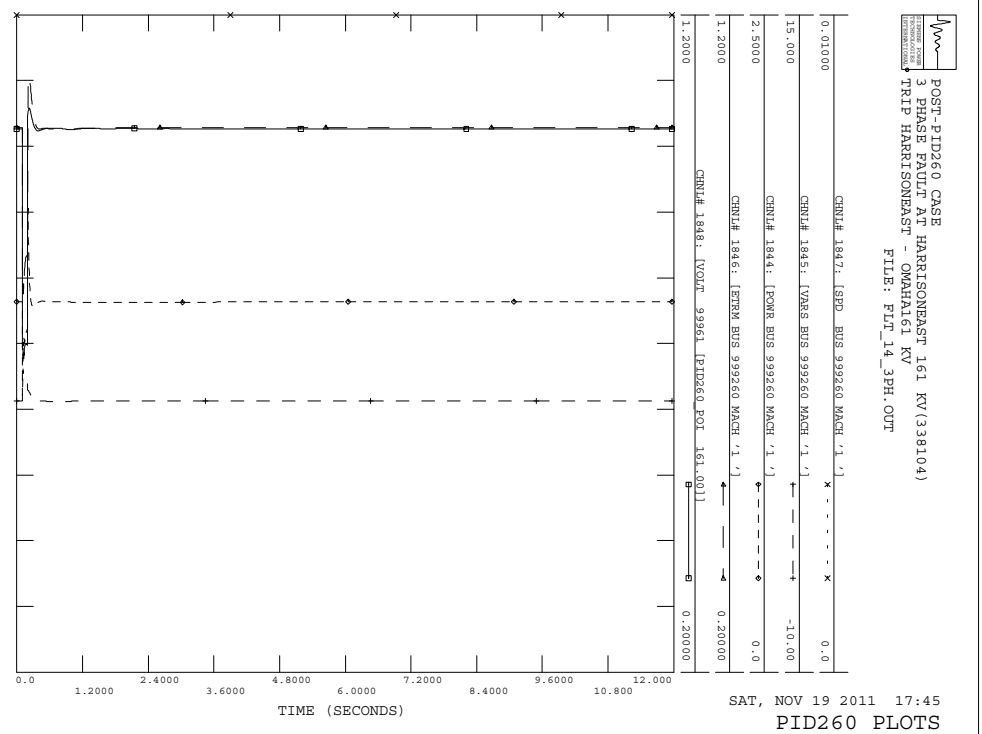
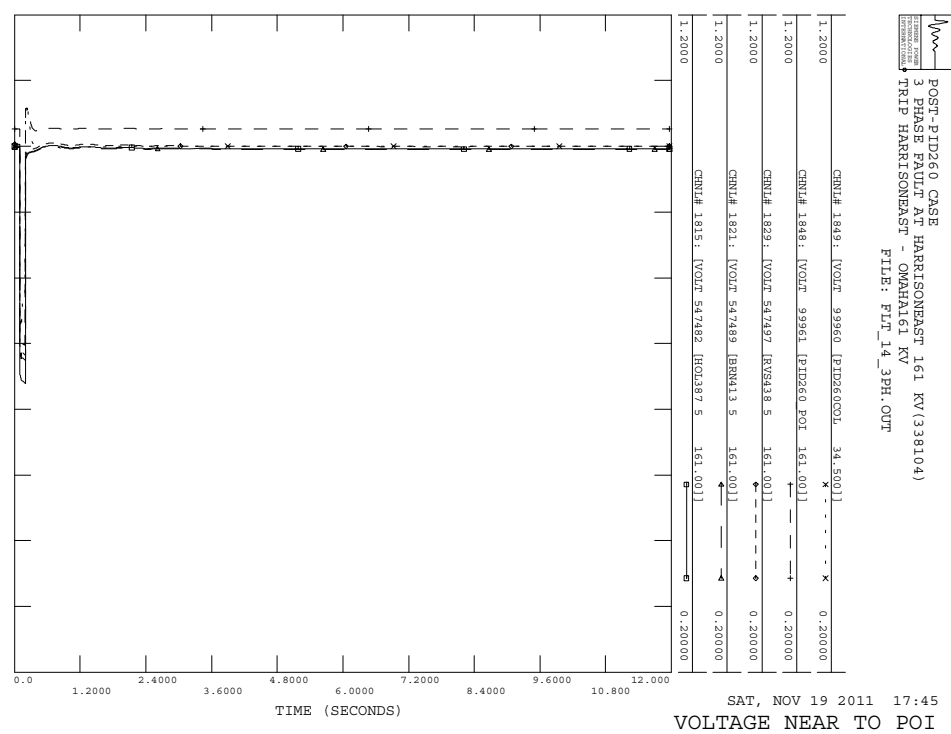
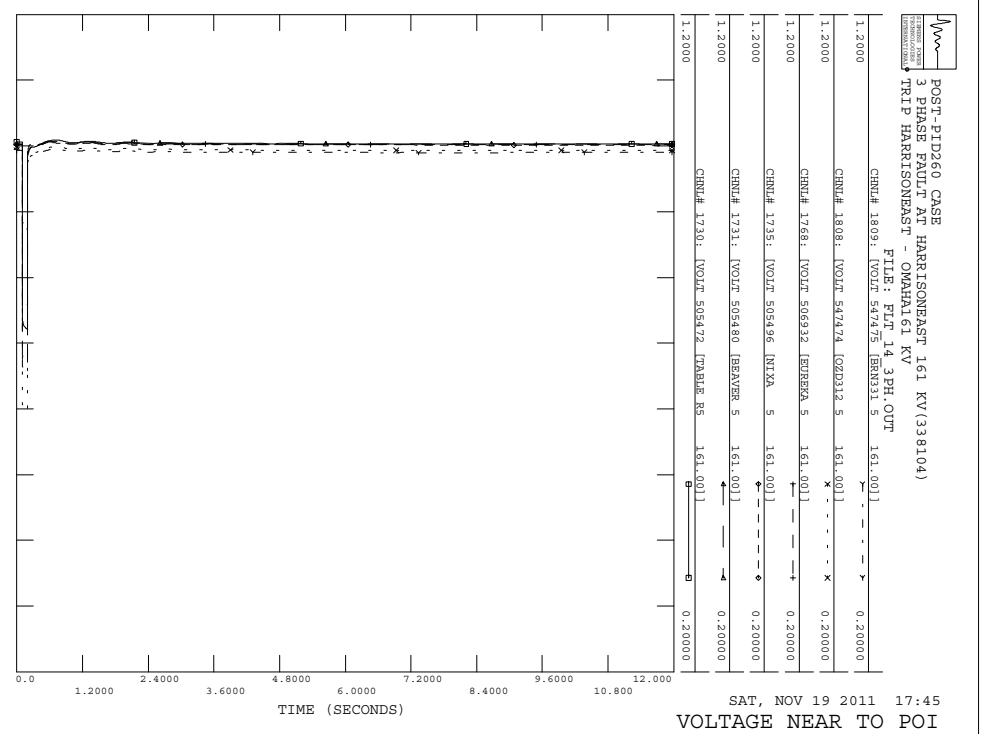
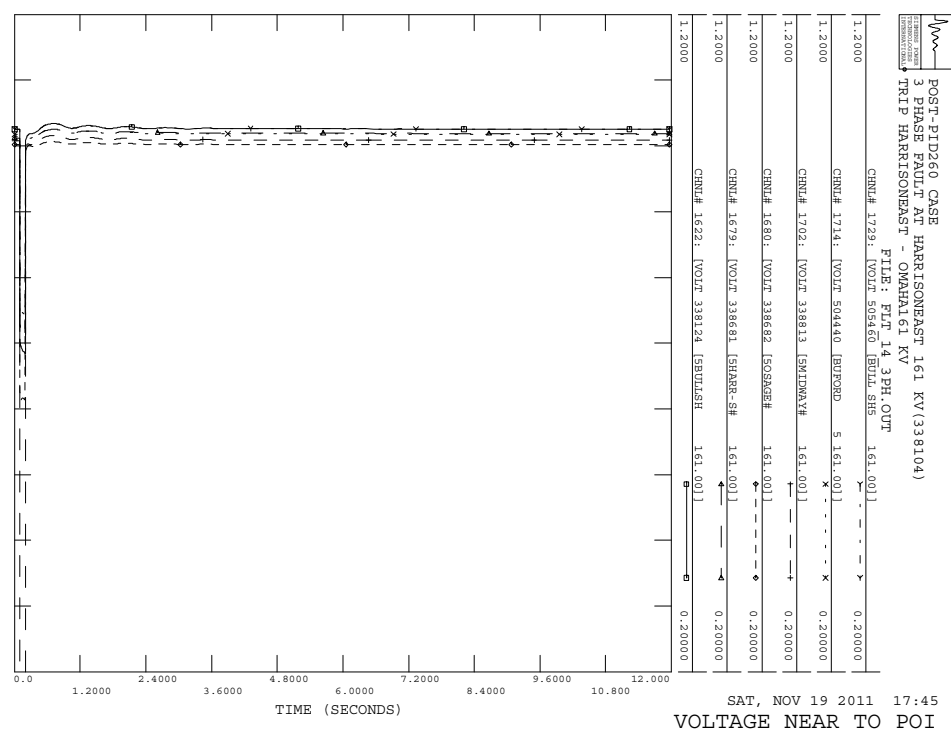
CHNL# 1843: [SPD] BUS 999224 MACH '1' |

CHNL# 1842: [SPD] BUS 999223 MACH '1' |

SAT, NOV 19 2011 17:45
 PRIOR QUED MACHINE SPEED





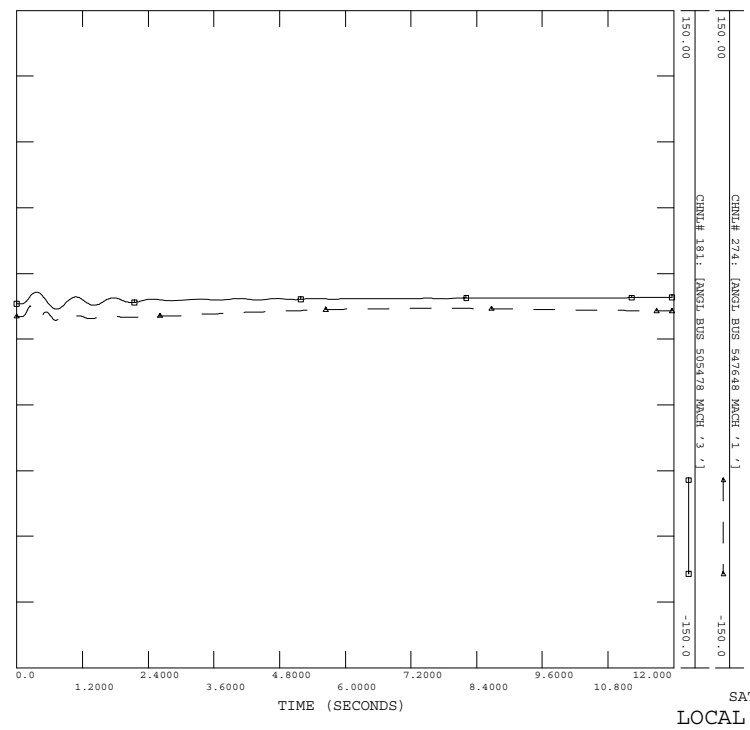


C.15 FLT_15_3PH

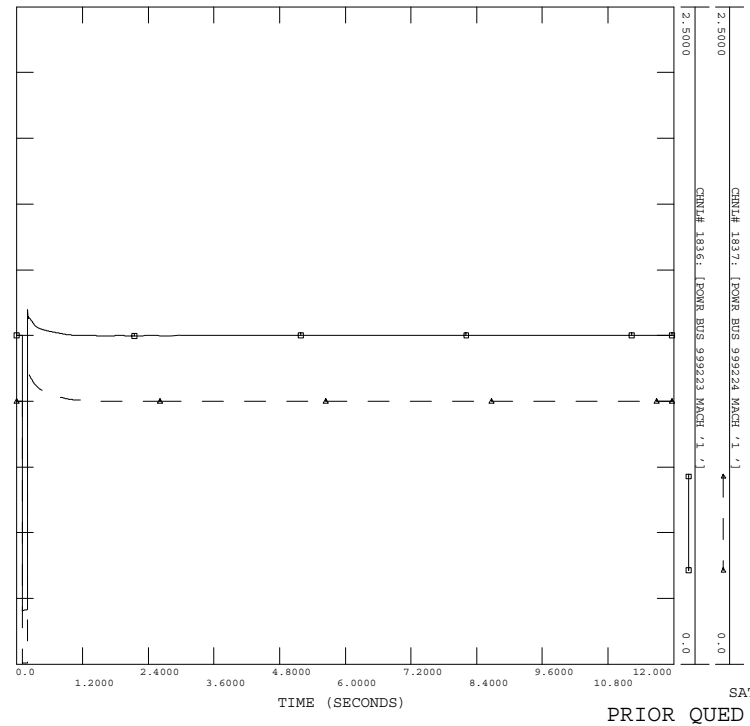
Three phase fault on the PID224POI - Harrison West 161 kV line.

- a) Apply 3 Phase Fault at PID224POI 161 kV bus
- b) Clear fault after 6 cycles by tripping PID224POI – Harrison East 161 kV line

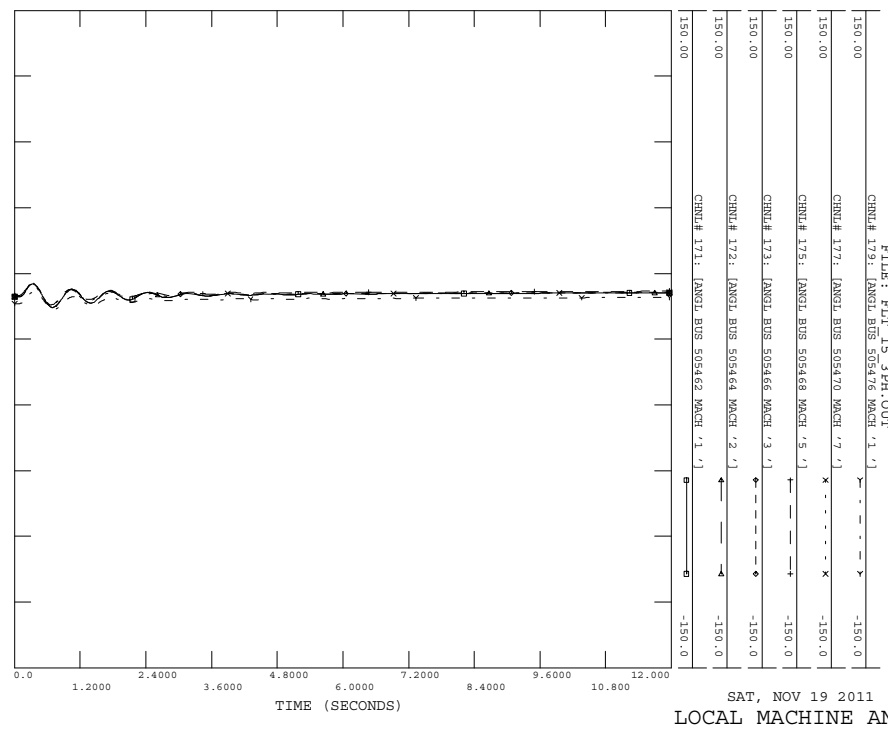
POST-PTD260 CASE
 3 PH STUCK FAULT AT PID224POI 161 KV(99224)
 TRIP PID224 POI - HARRISONMST 161 KV
 FILE: FLT_15_3PH.OUT



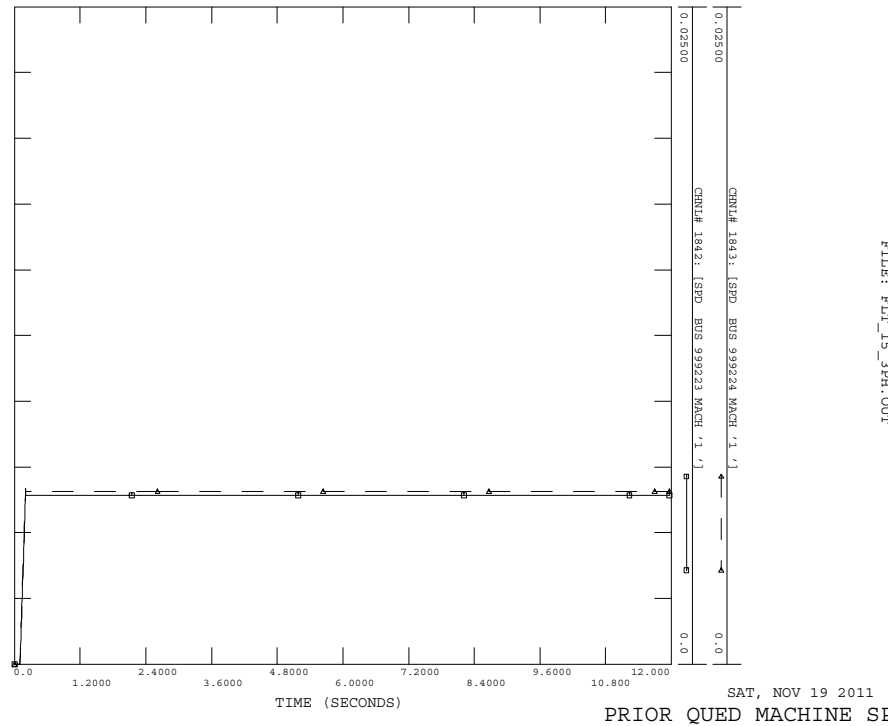
POST-PTD260 CASE
 3 PH STUCK FAULT AT PID224POI 161 KV(99224)
 TRIP PID224 POI - HARRISONMST 161 KV
 FILE: FLT_15_3PH.OUT

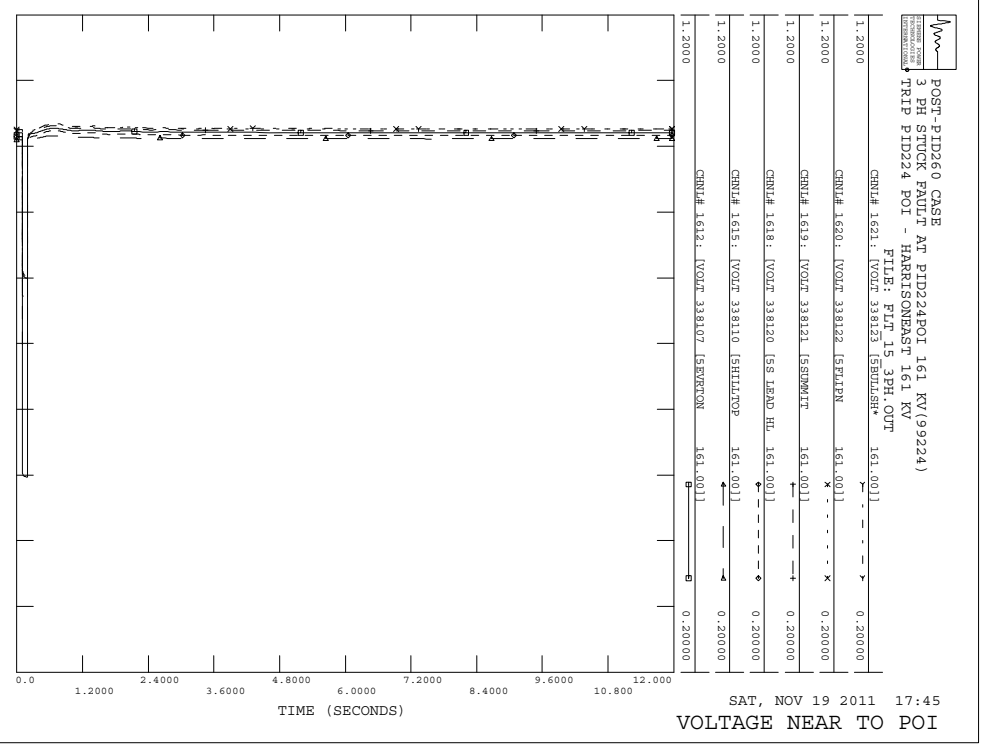
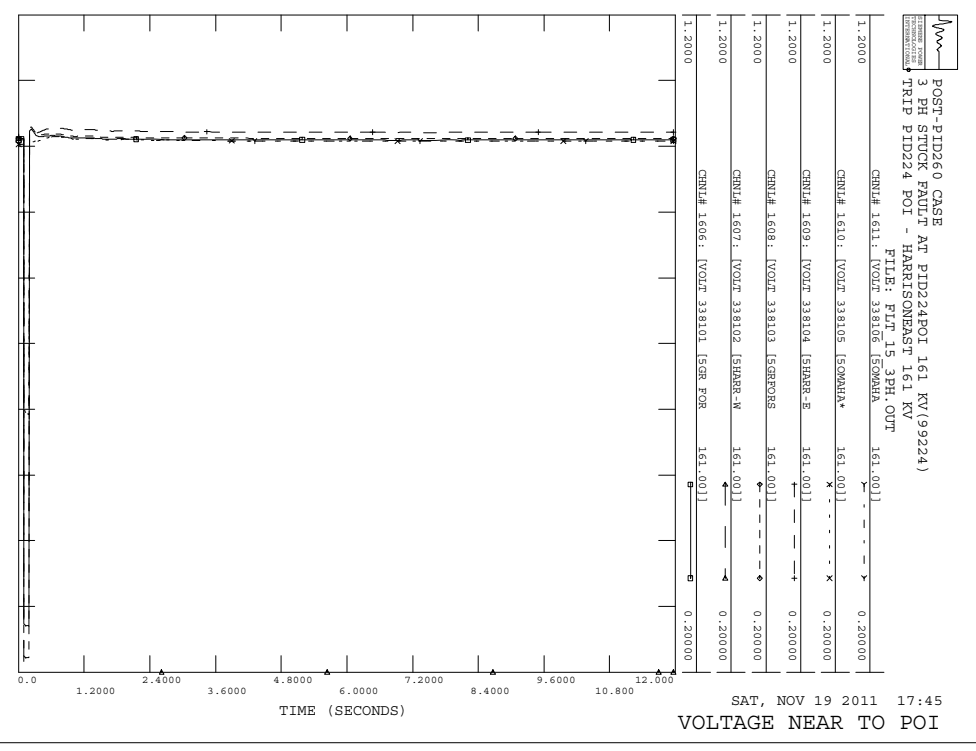
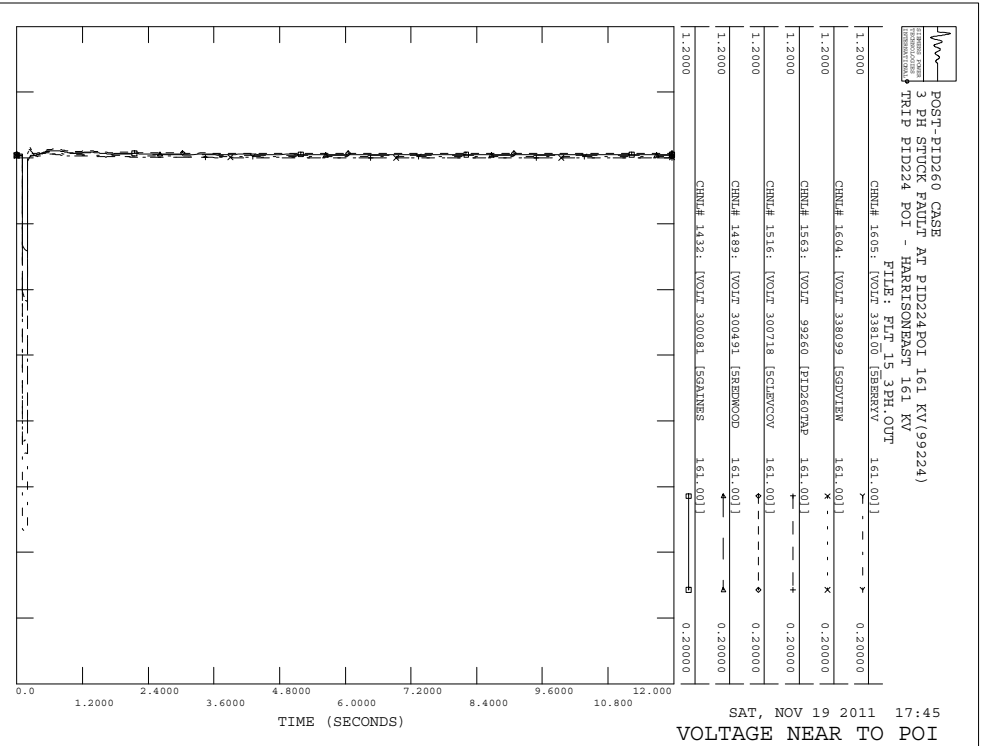
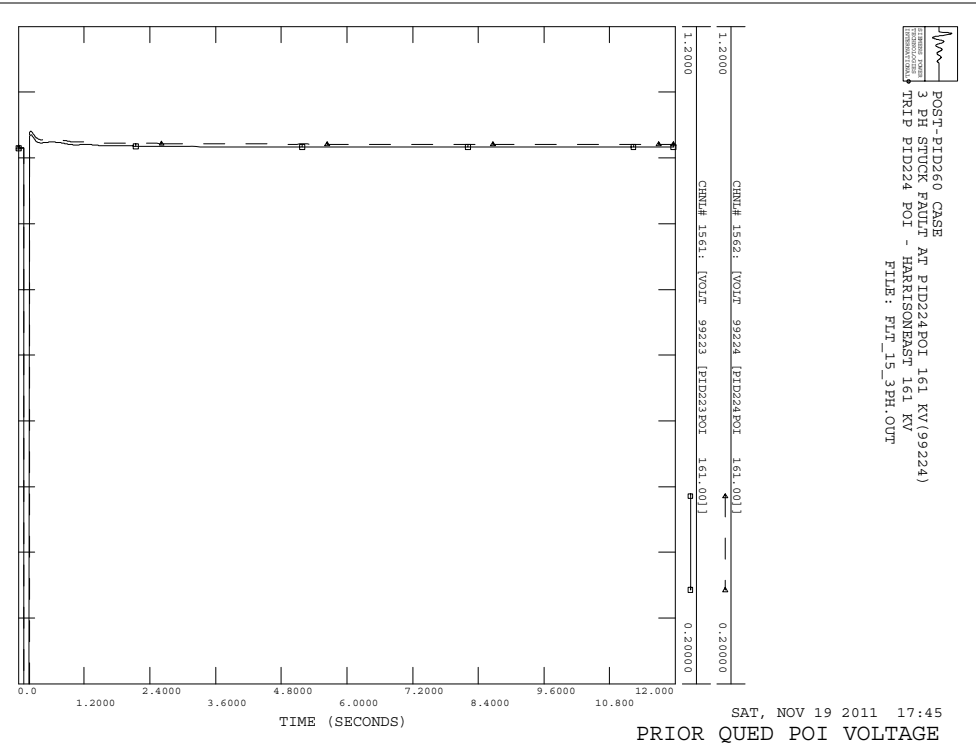


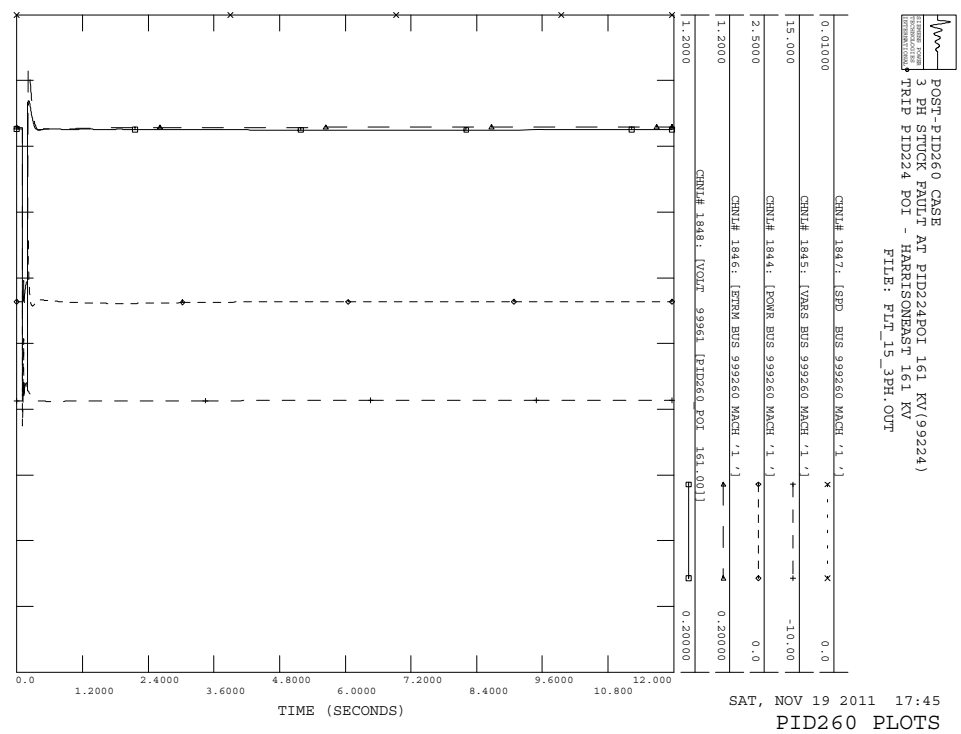
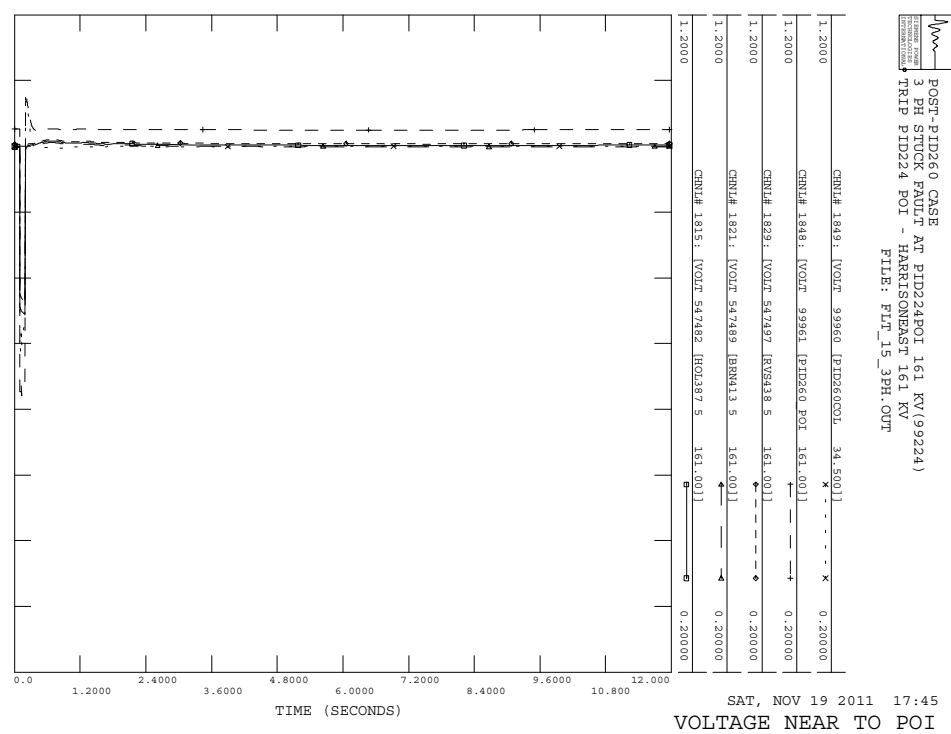
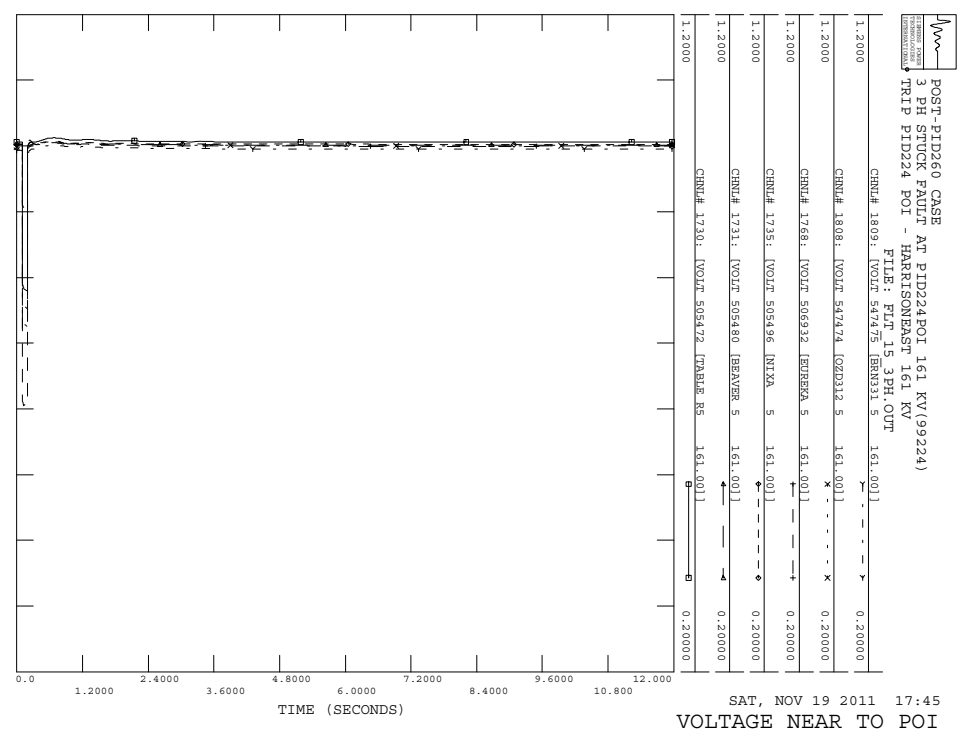
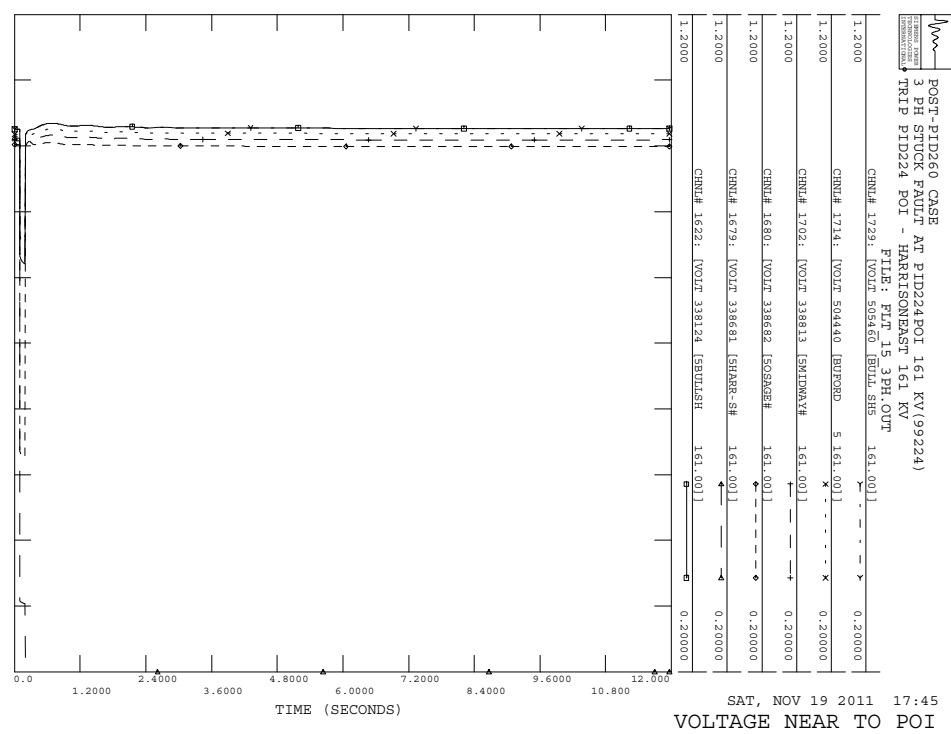
POST-PTD260 CASE
 3 PH STUCK FAULT AT PID224POI 161 KV(99224)
 TRIP PID224 POI - HARRISONMST 161 KV
 FILE: FLT_15_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT PID224POI 161 KV(99224)
 TRIP PID224 POI - HARRISONMST 161 KV
 FILE: FLT_15_3PH.OUT





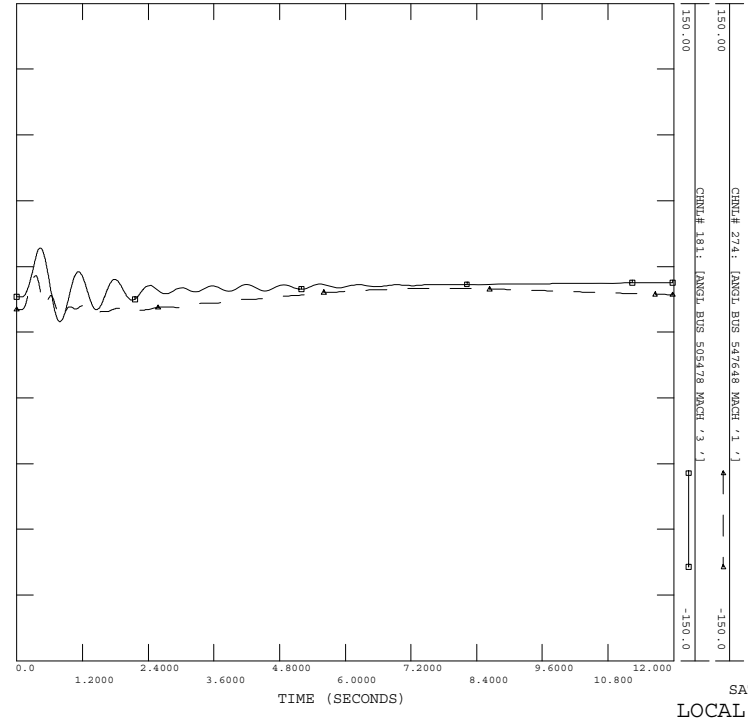


C.16 FLT_3a_3PH

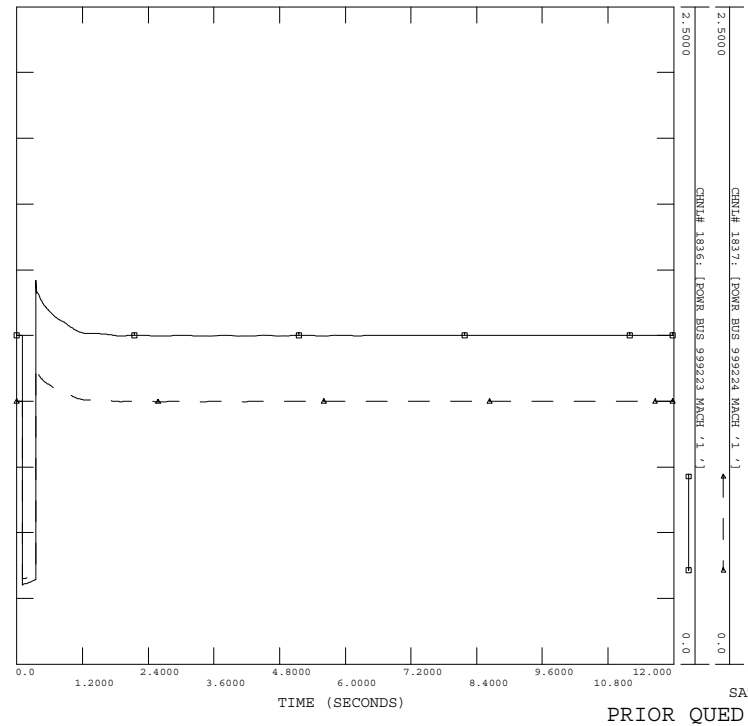
Three phase stuck breaker fault on the OsageCreek - EurekaSprings 161 kV line.

- a) Apply 3 Phase Fault at OsageCreek 161 kV bus
- b) Clear fault after 6 cycles
- c) Apply 3 Phase Fault at OsageCreek 161 kV bus
- d) Clear fault after 9 cycles by tripping Osage Creek - EurekaSprings 161 kV, Osage Creek- PID260 TAP 161 kV, Osage Creek- PID223 POI 161 kV lines

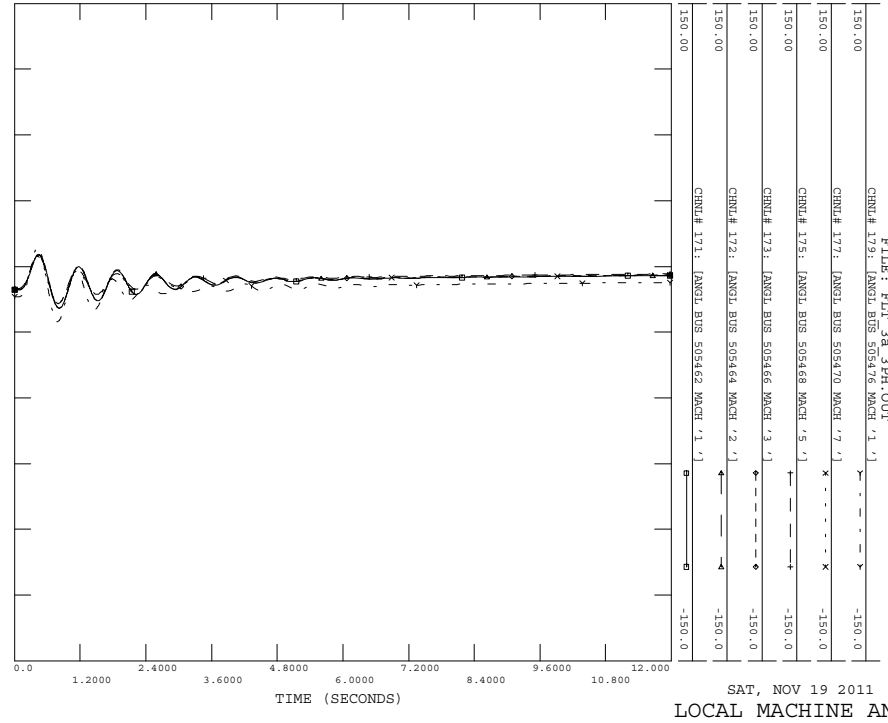
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(38682)
 TRIP OSAGECREEK - BURKASP,PTD260 TAP, P1223POI 161KV
 FILE: FLT_3a_3PH.OUT



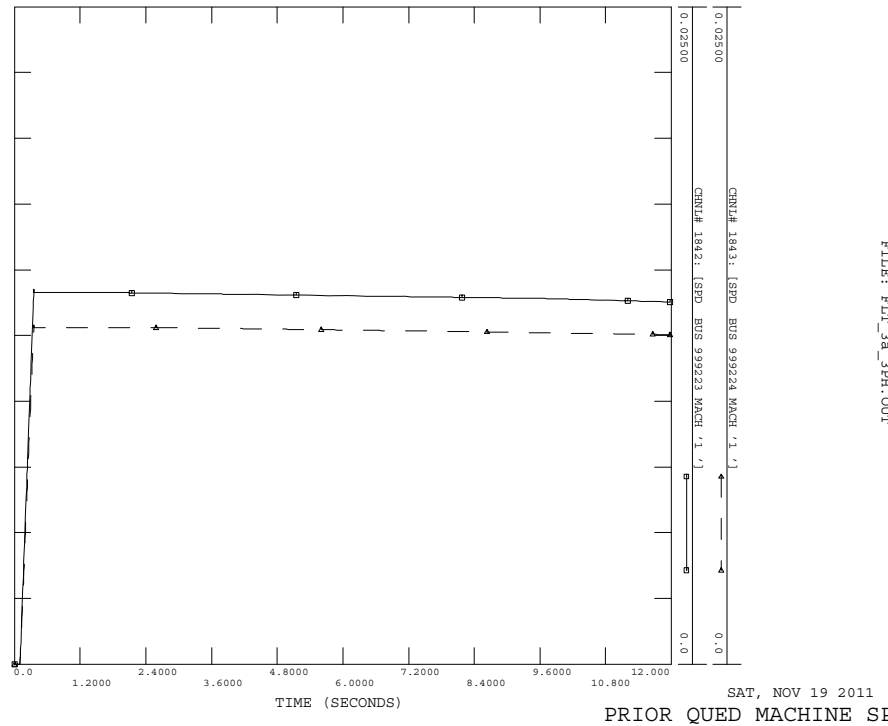
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(38682)
 TRIP OSAGECREEK - BURKASP,PTD260 TAP, P1223POI 161KV
 FILE: FLT_3a_3PH.OUT

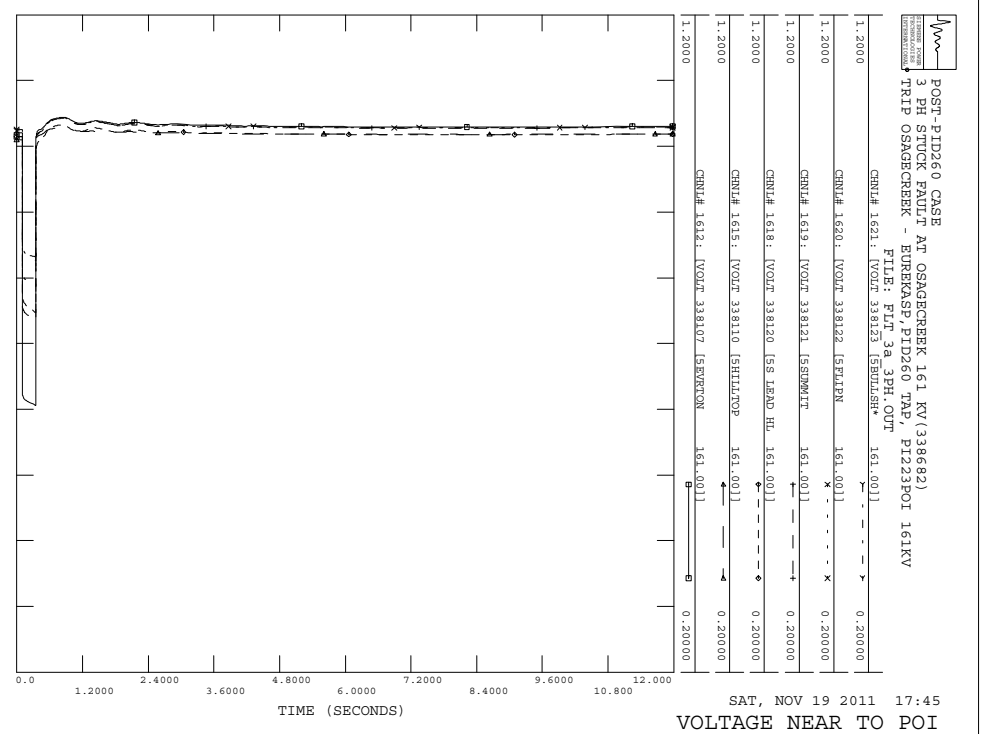
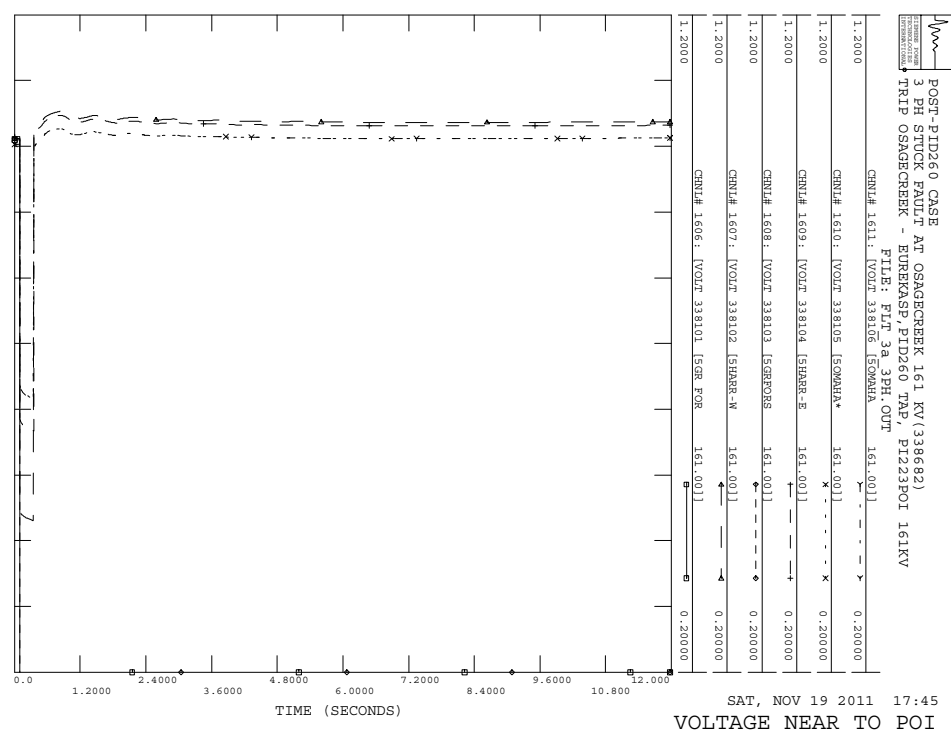
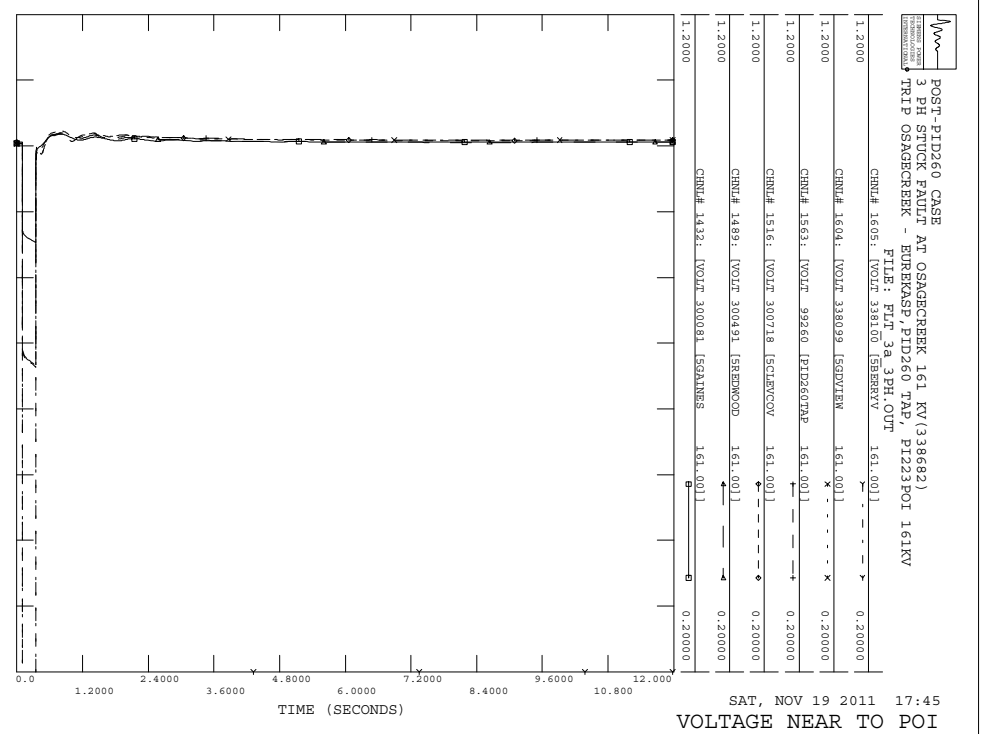
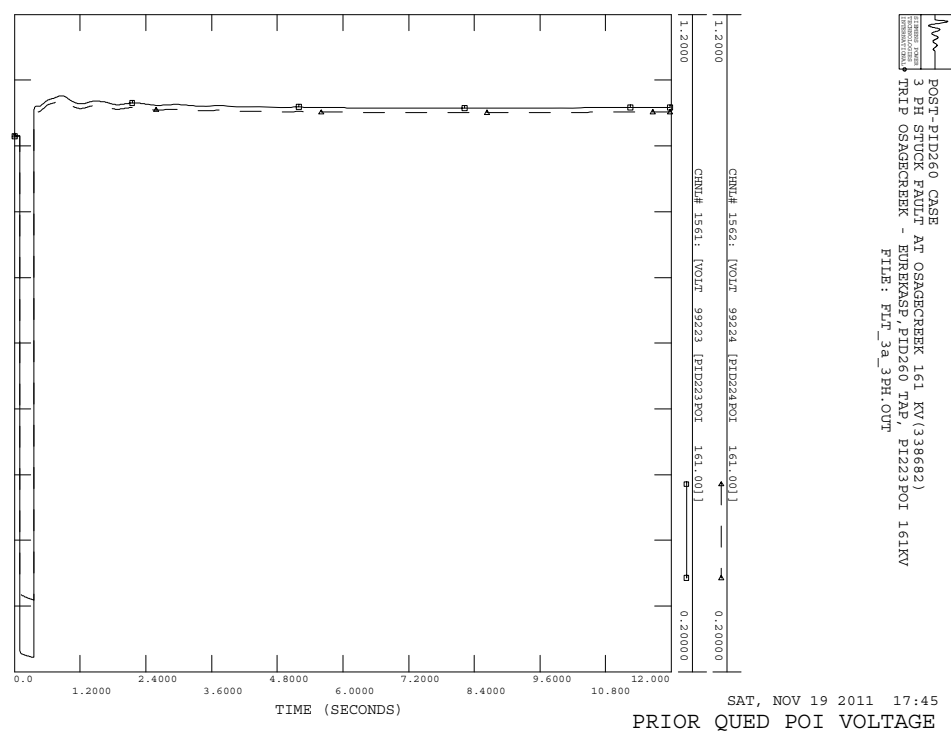


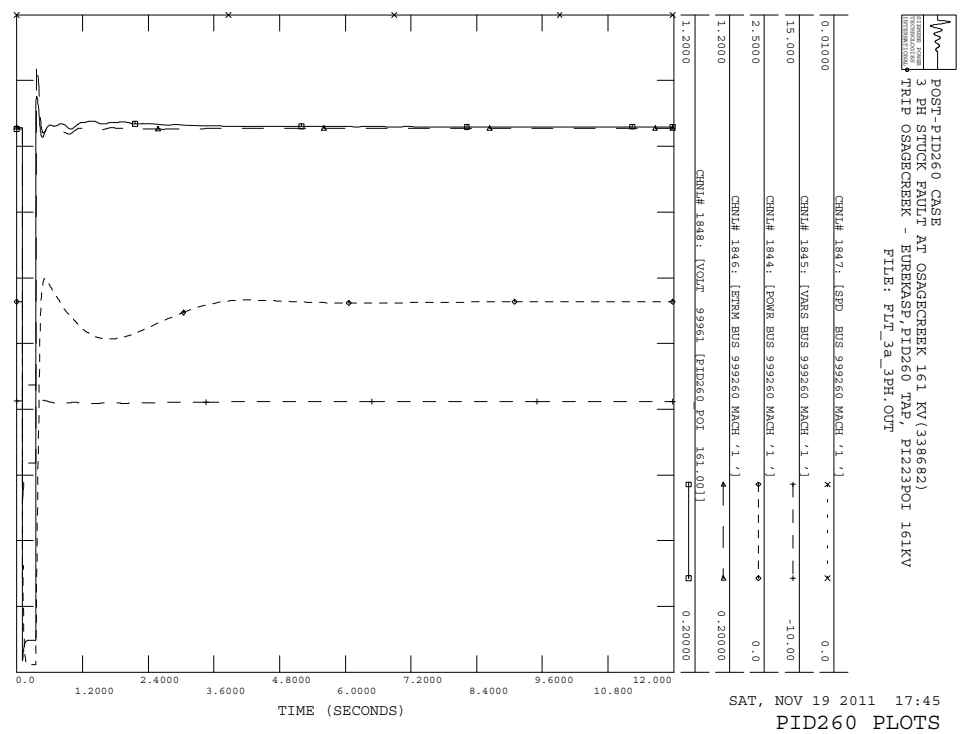
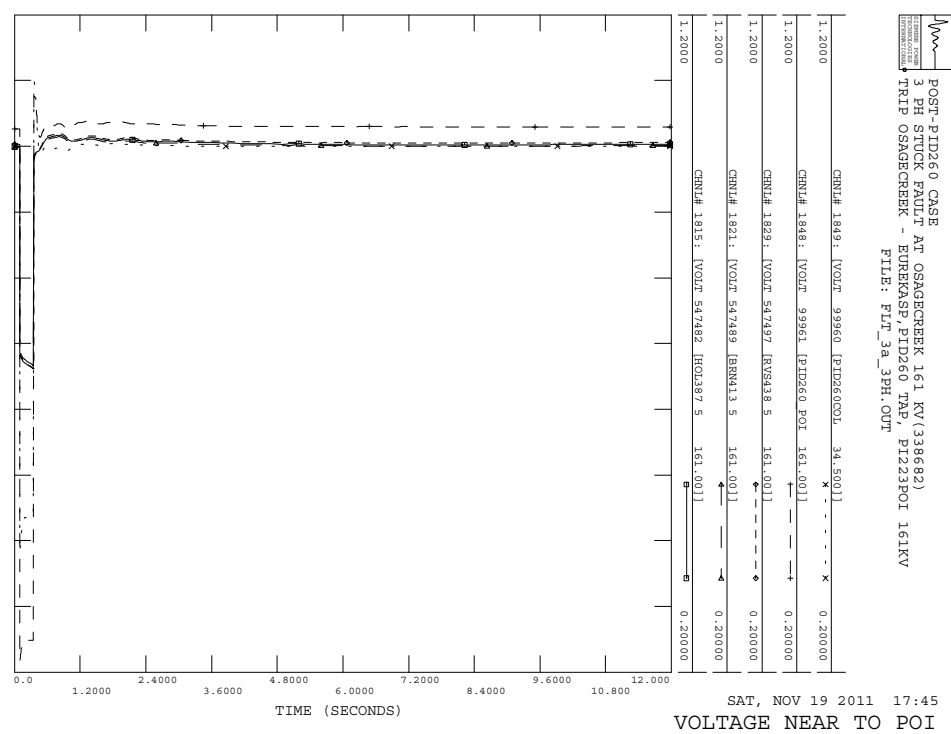
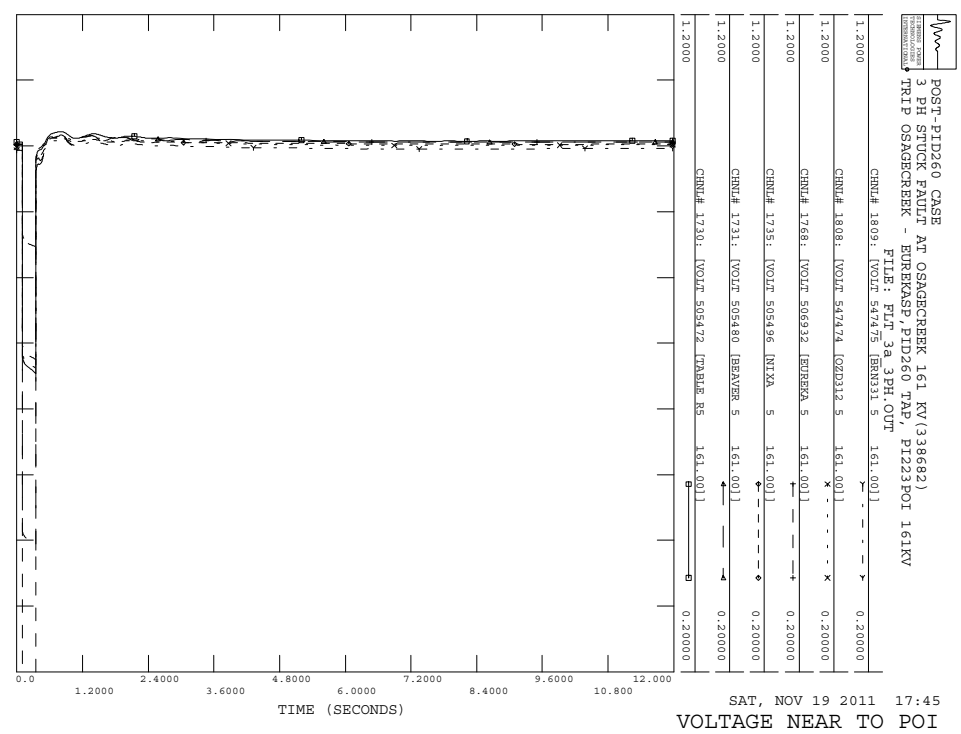
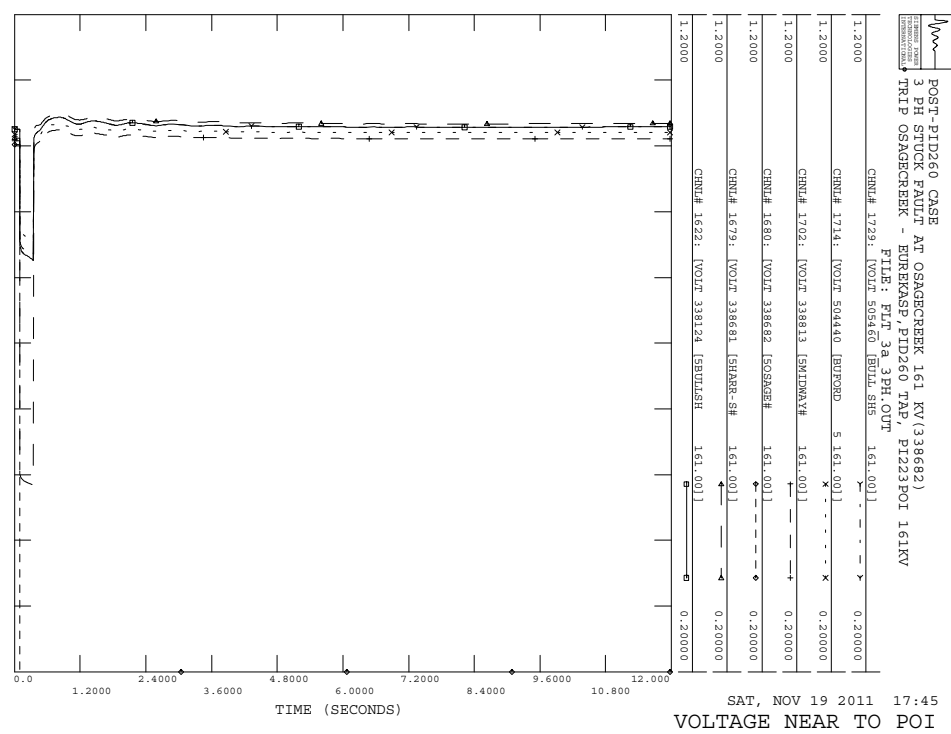
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(38682)
 TRIP OSAGECREEK - BURKASP,PTD260 TAP, P1223POI 161KV
 FILE: FLT_3a_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(38682)
 TRIP OSAGECREEK - BURKASP,PTD260 TAP, P1223POI 161KV
 FILE: FLT_3a_3PH.OUT





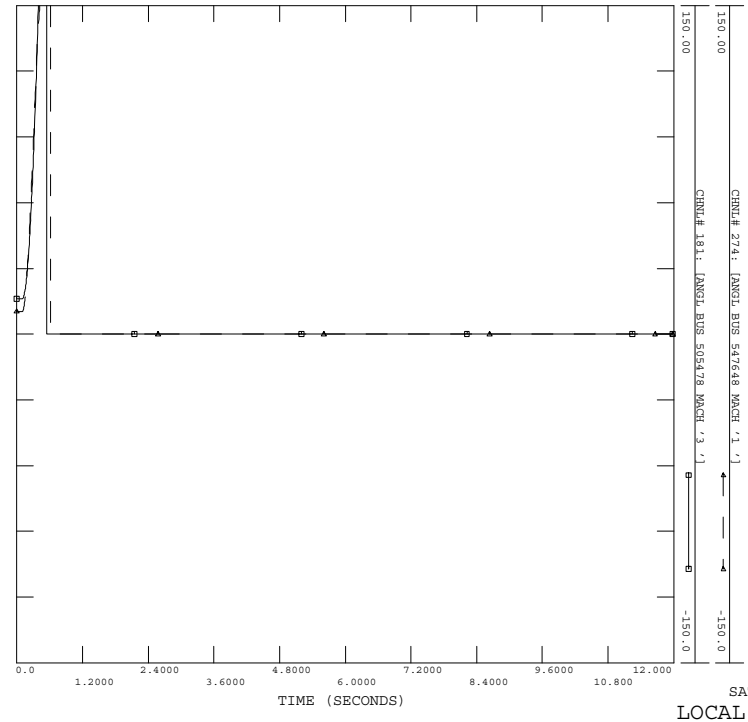


C.17 FLT_6a_3PH

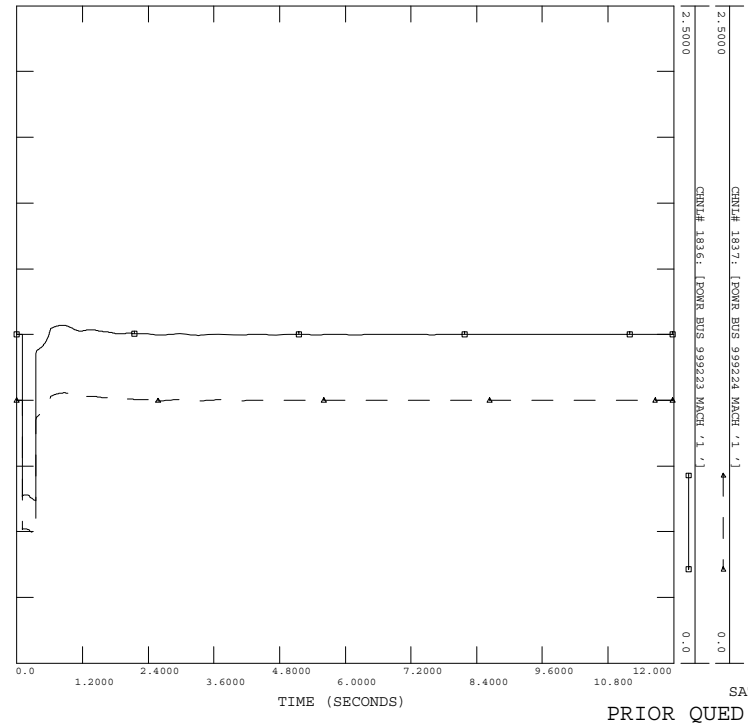
Three phase stuck breaker fault on the Table Rock - Riverside 161 kV line.

- a) Apply 3 Phase Fault at Table Rock 161 kV bus
- b) Clear fault after 6 cycles
- c) Apply 3 Phase Fault at Table Rock 161 kV bus
- d) Clear fault after 9 cycles by disconnecting TableRock bus from the system.

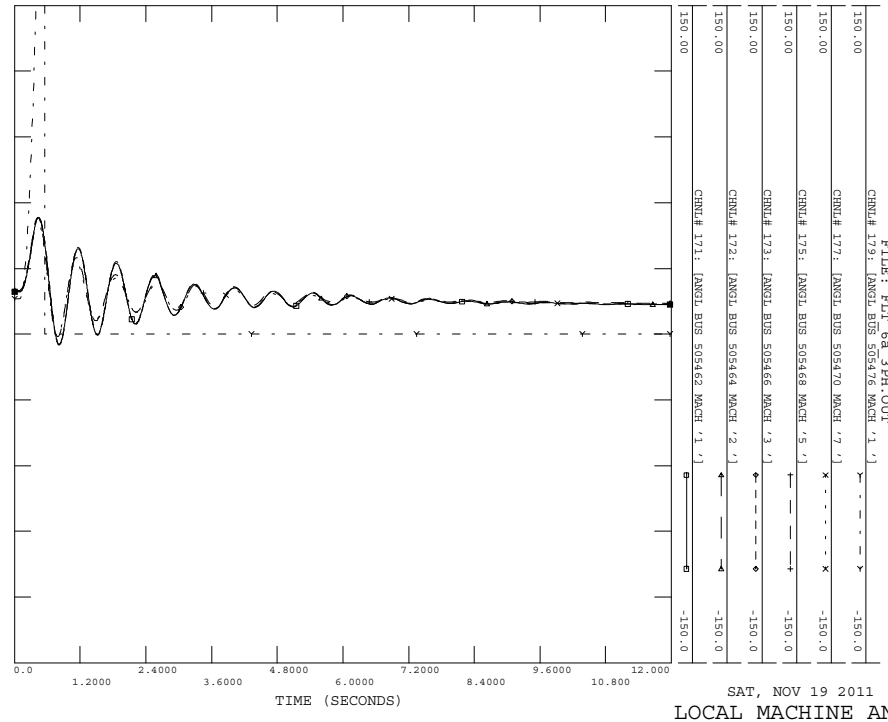
POST-PTD260 CASE
 3 PH STUCK FAULT AT TABLE ROCK 161 KV(505472)
 DISCONNECT TABLE ROCK BUS
 FILE: FLT_ga_3PH.OUT



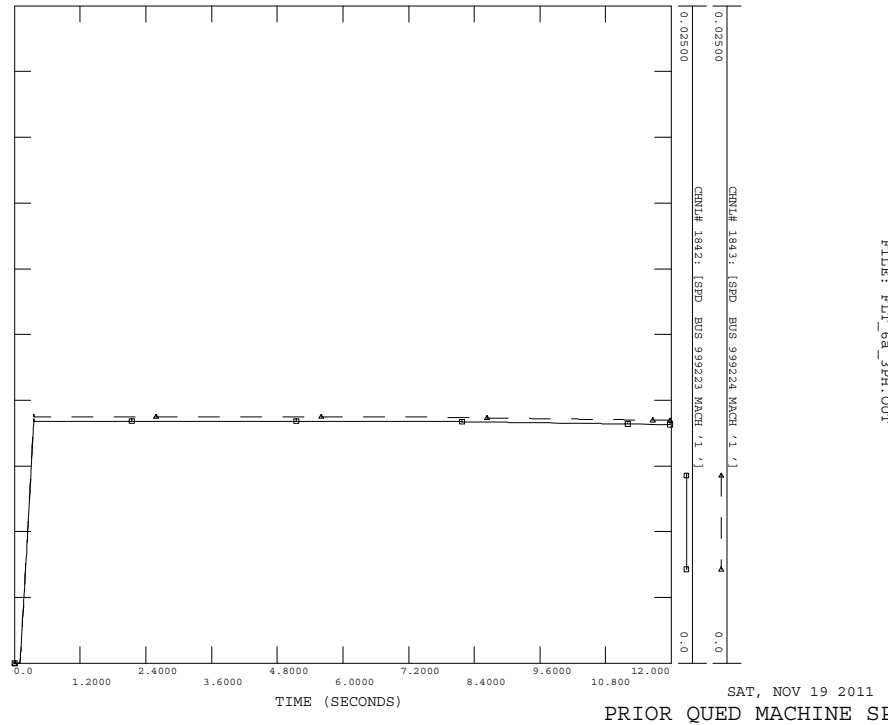
POST-PTD260 CASE
 3 PH STUCK FAULT AT TABLE ROCK 161 KV(505472)
 DISCONNECT TABLE ROCK BUS
 FILE: FLT_ga_3PH.OUT

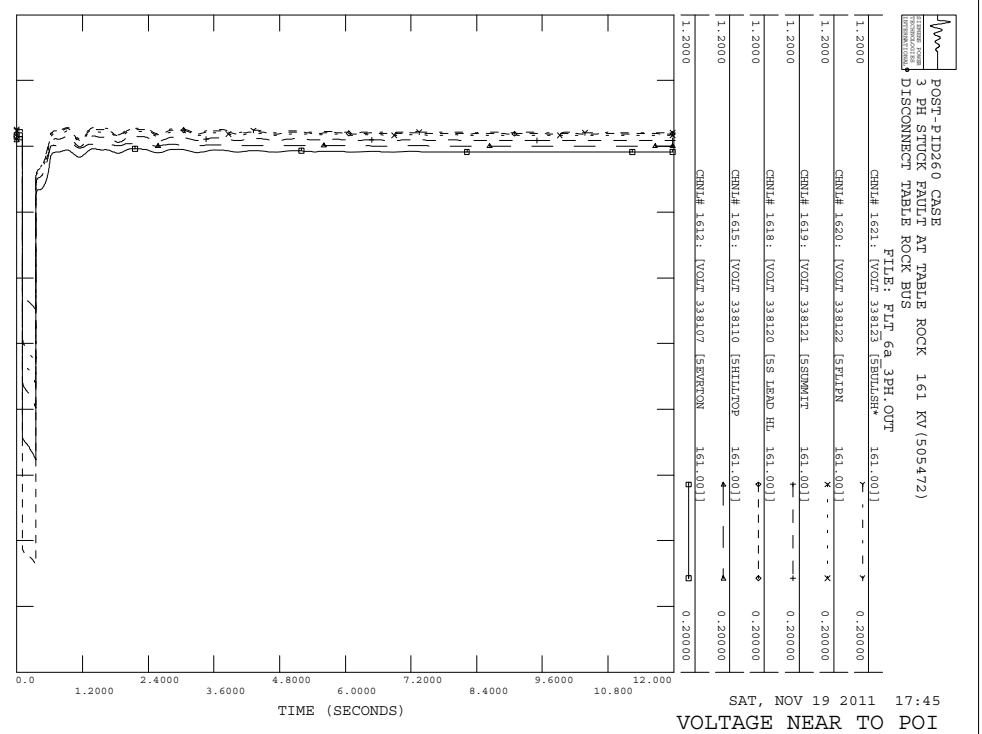
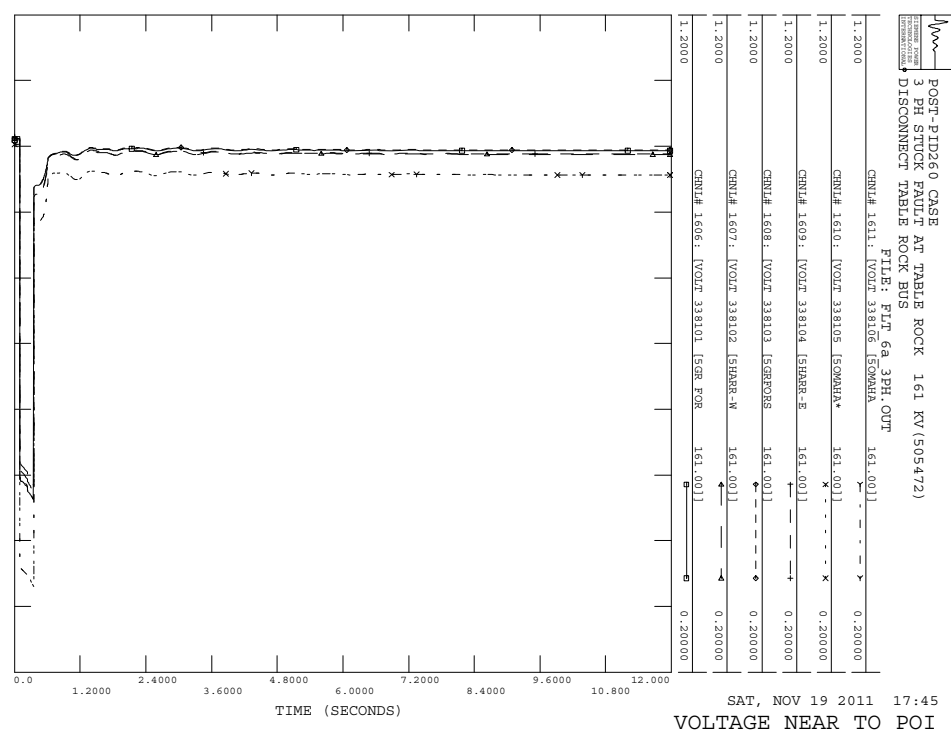
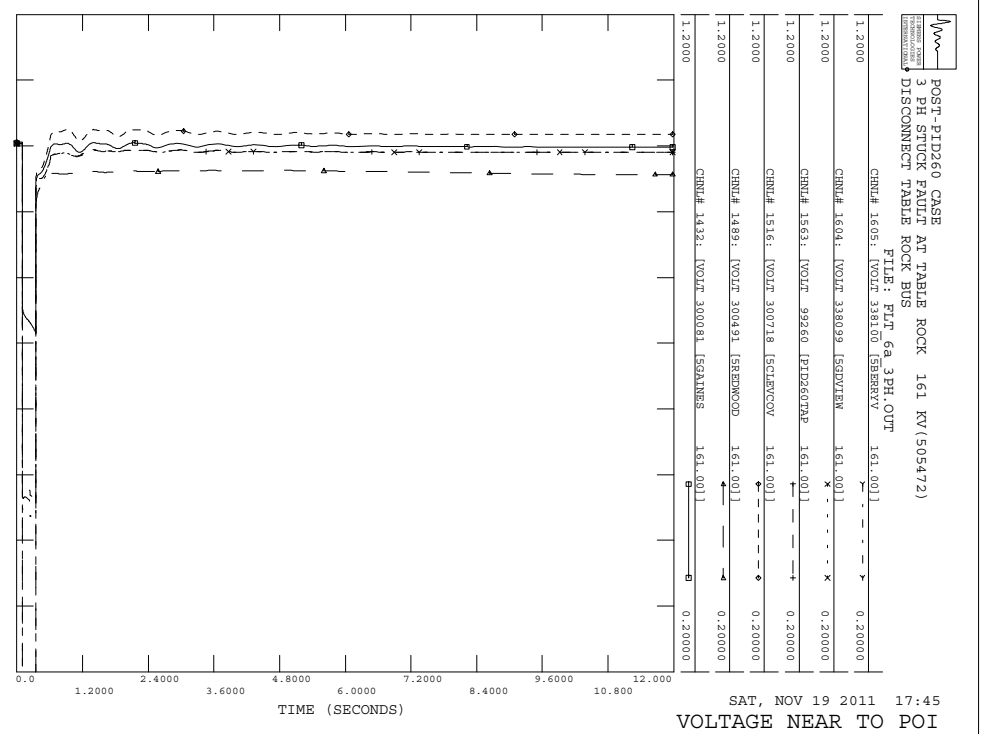
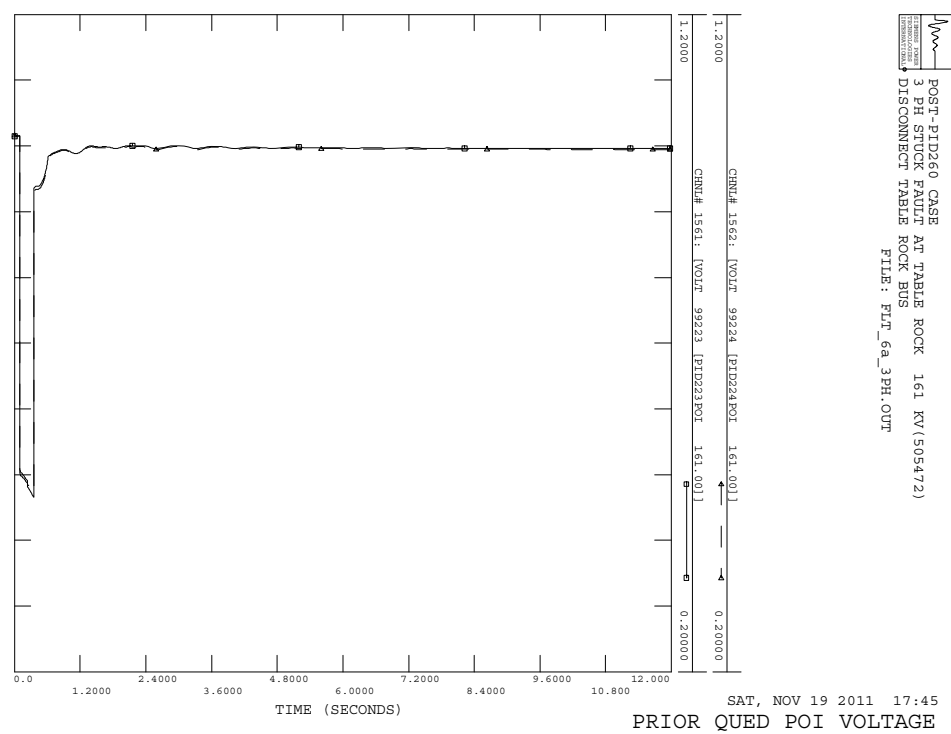


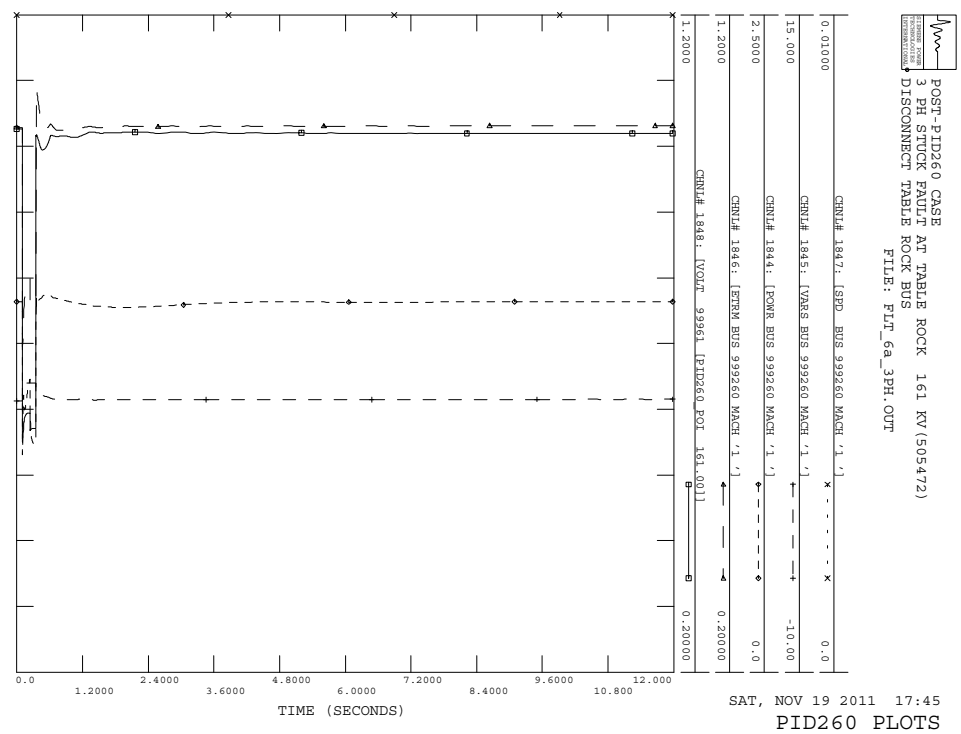
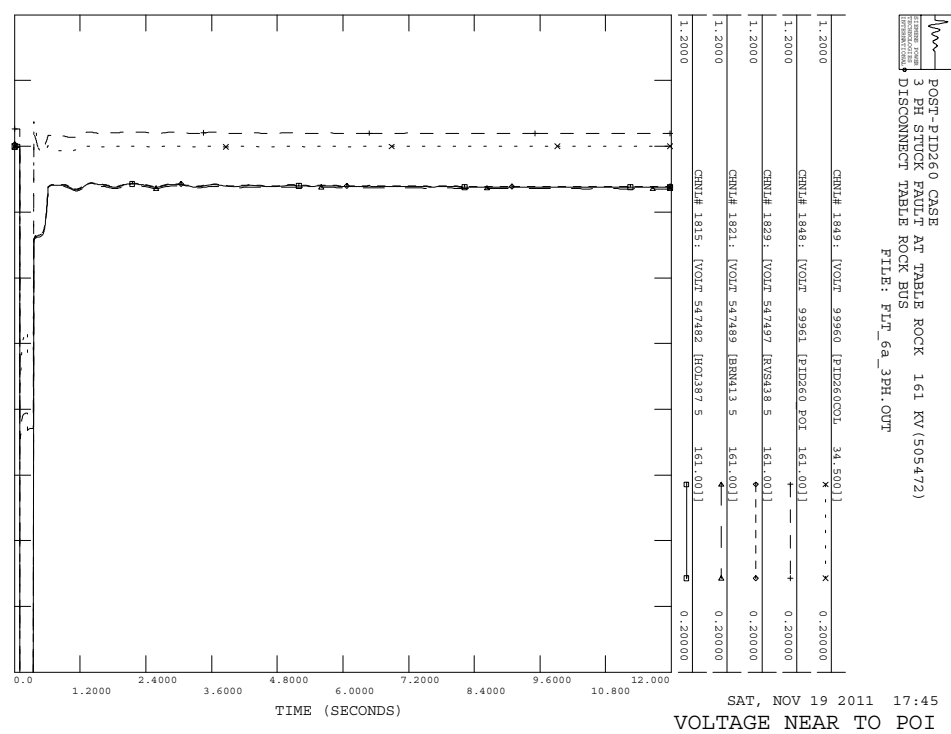
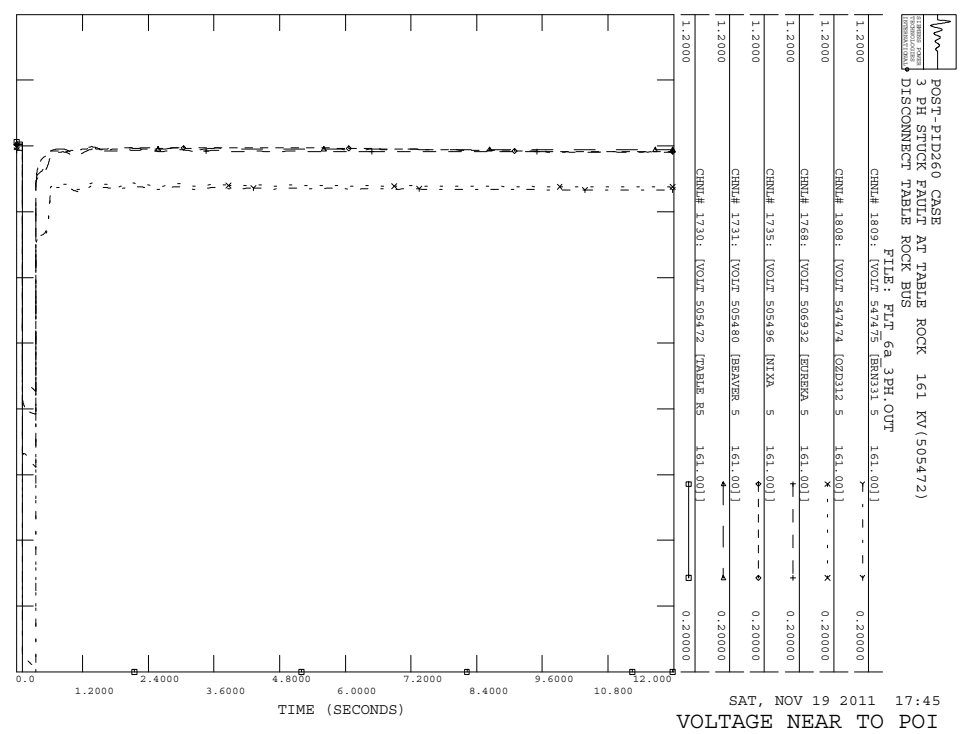
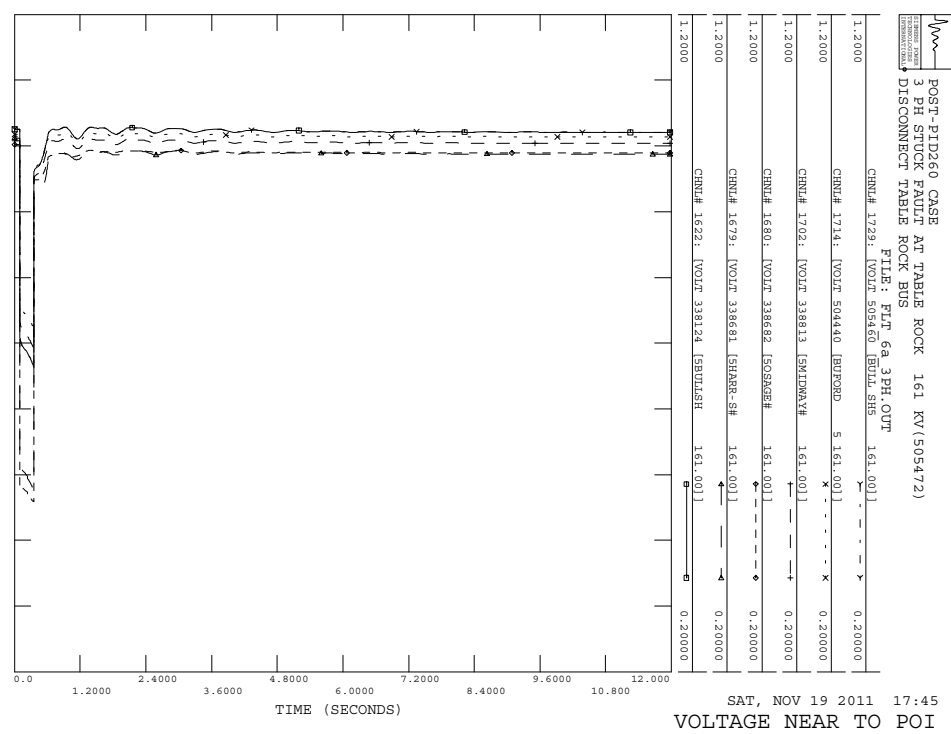
POST-PTD260 CASE
 3 PH STUCK FAULT AT TABLE ROCK 161 KV(505472)
 DISCONNECT TABLE ROCK BUS
 FILE: FLT_ga_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT TABLE ROCK 161 KV(505472)
 DISCONNECT TABLE ROCK BUS
 FILE: FLT_ga_3PH.OUT





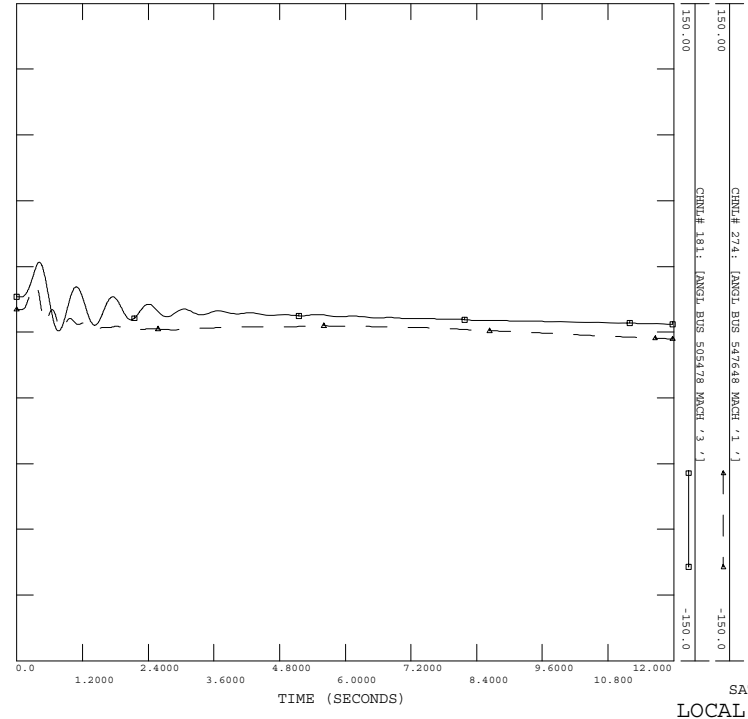


C.18 FLT_9a_3PH

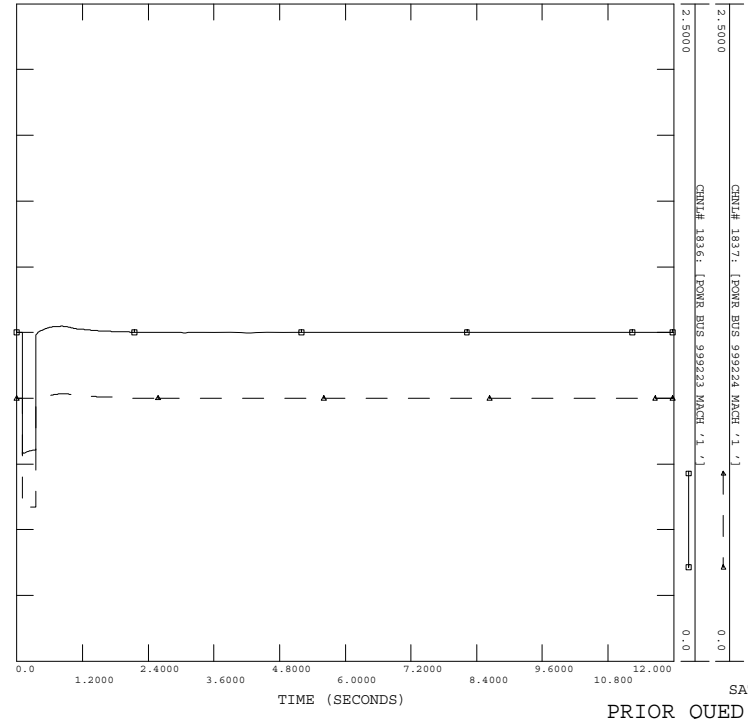
Three phase stuck breaker fault on the BullShoals- Midway 161 kV line.

- a) Apply 3 Phase Fault at BullShoals 161 kV bus
- b) Clear fault after 6 cycles
- c) Apply 3 Phase Fault at BullShoals 161 kV bus
- d) Clear fault after 9 cycles by tripping BullShoals- Midway 161 kV, BullShoals- Gainesville 161 kV, Bullshoals-Hilltop 161 kV, Bullshoals - BullshoalsDam 161 kV, Bullshoals - Buford 161 KV lines

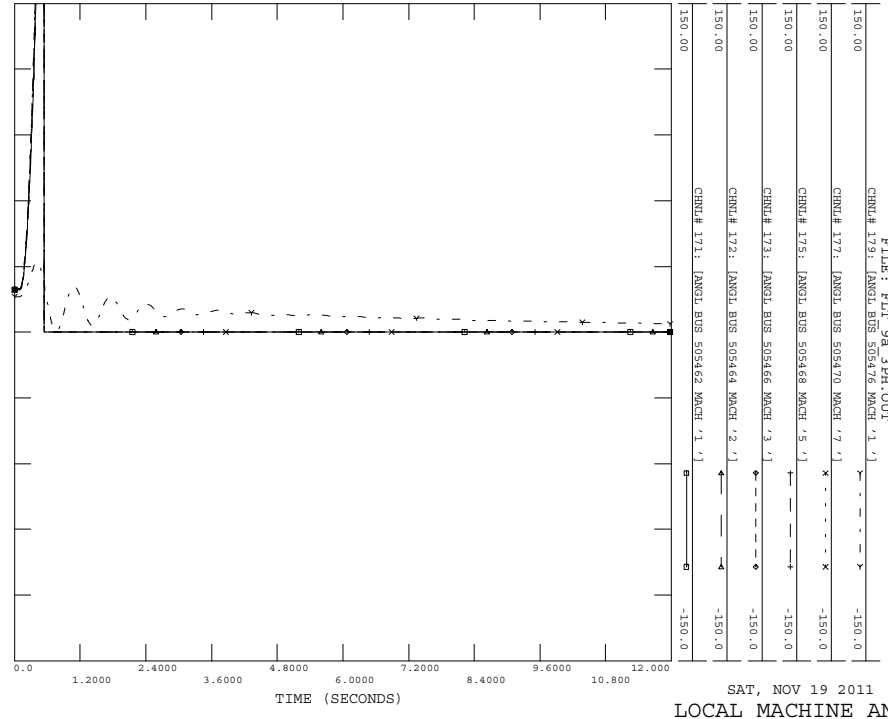
POST-PTD260 CASE
 3 PH STUCK FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- MWAY, GALVILLE,HILITE, BULLSHDAM,BUFORD
 FILE: FLT_9a_3PH.OUT



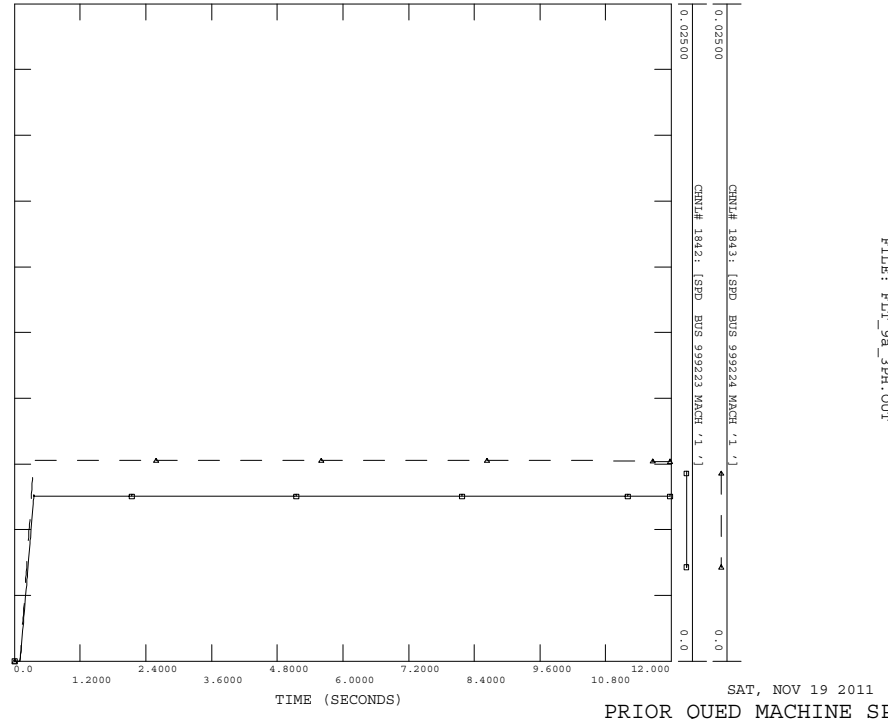
POST-PTD260 CASE
 3 PH STUCK FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- MWAY, GALVILLE,HILITE, BULLSHDAM,BUFORD
 FILE: FLT_9a_3PH.OUT

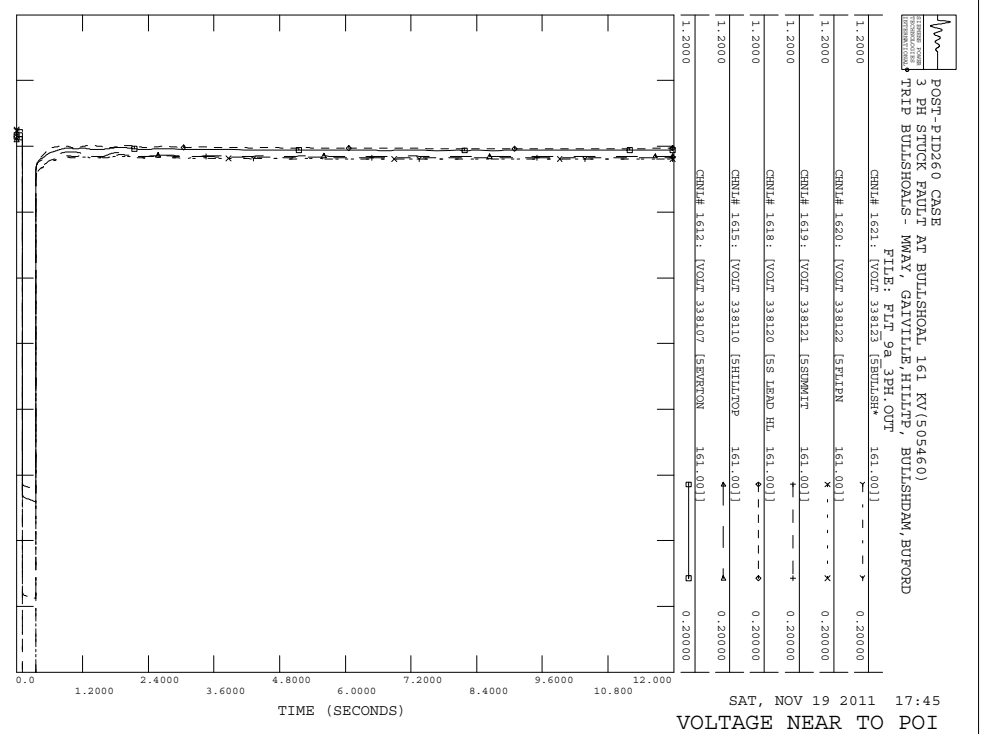
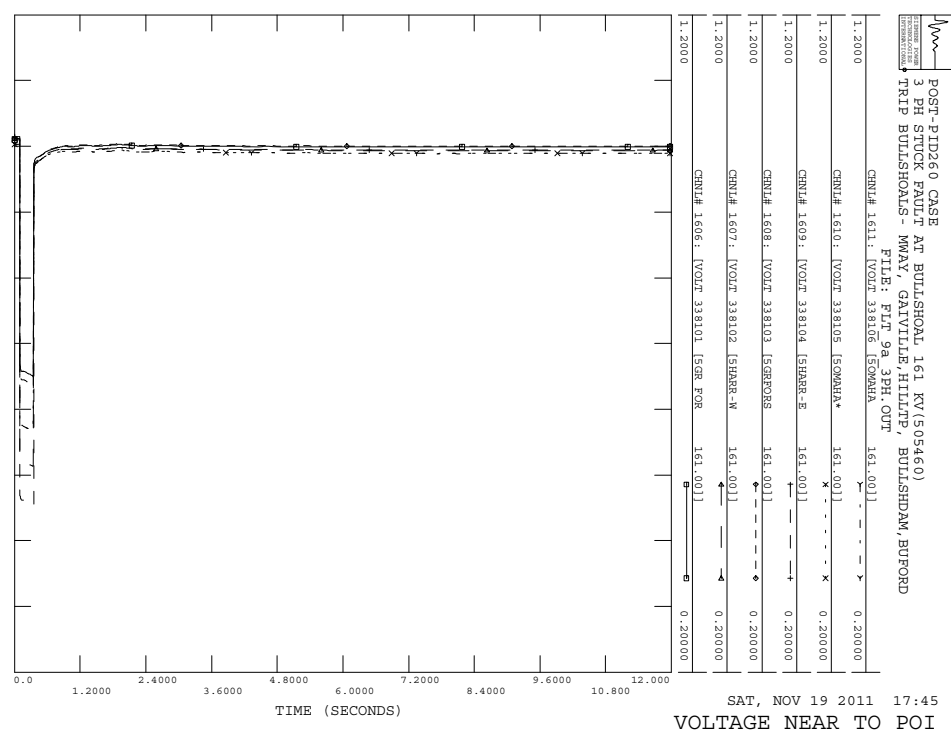
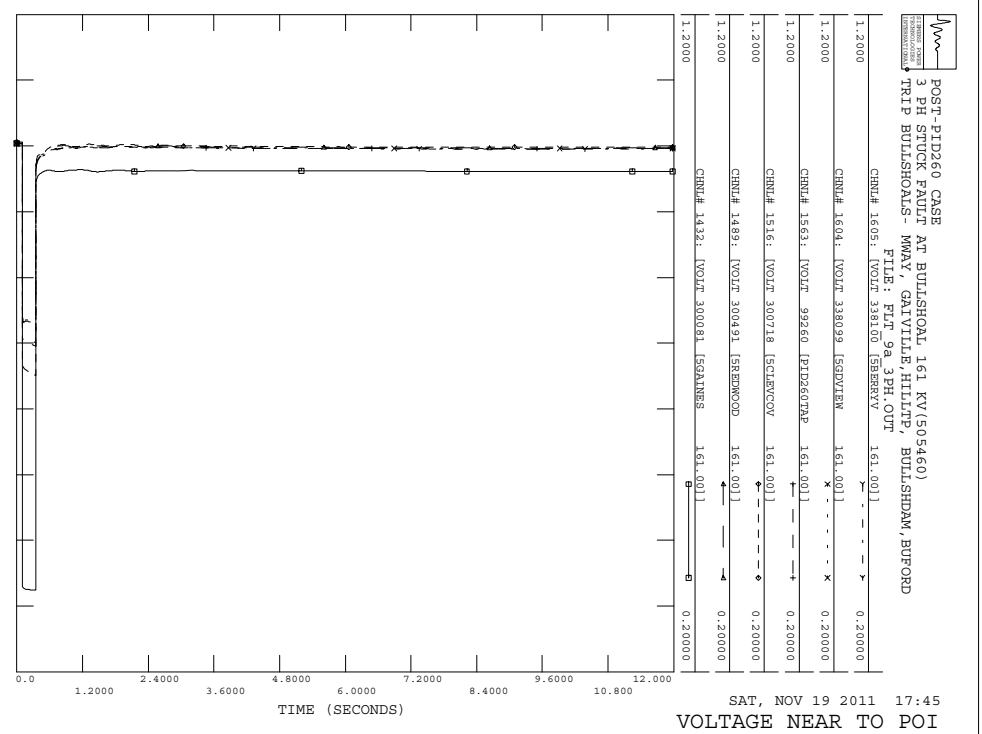
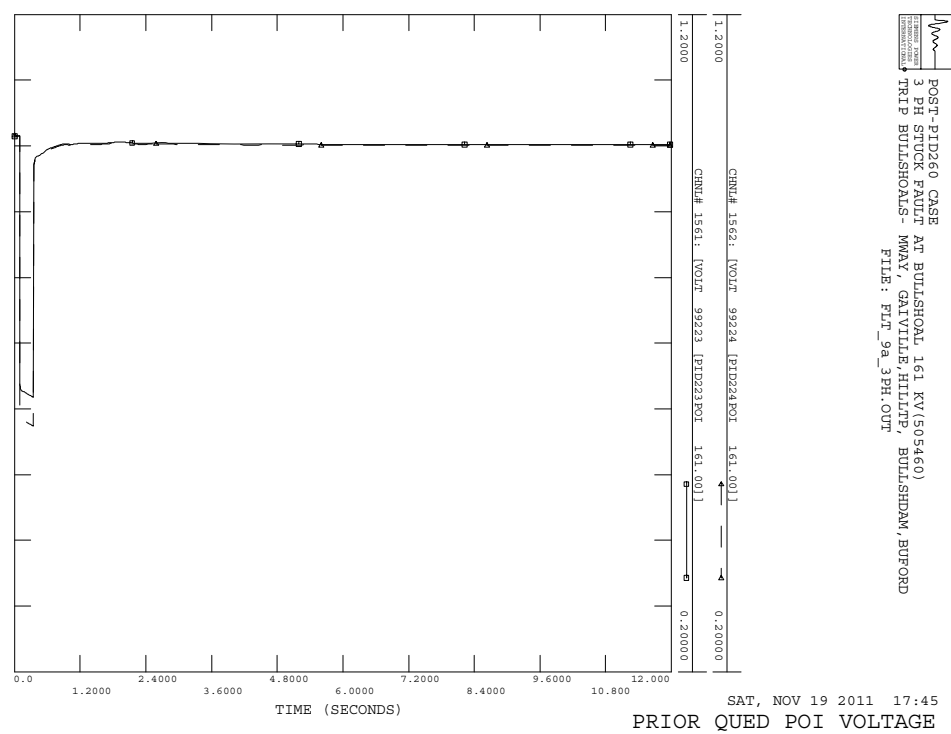


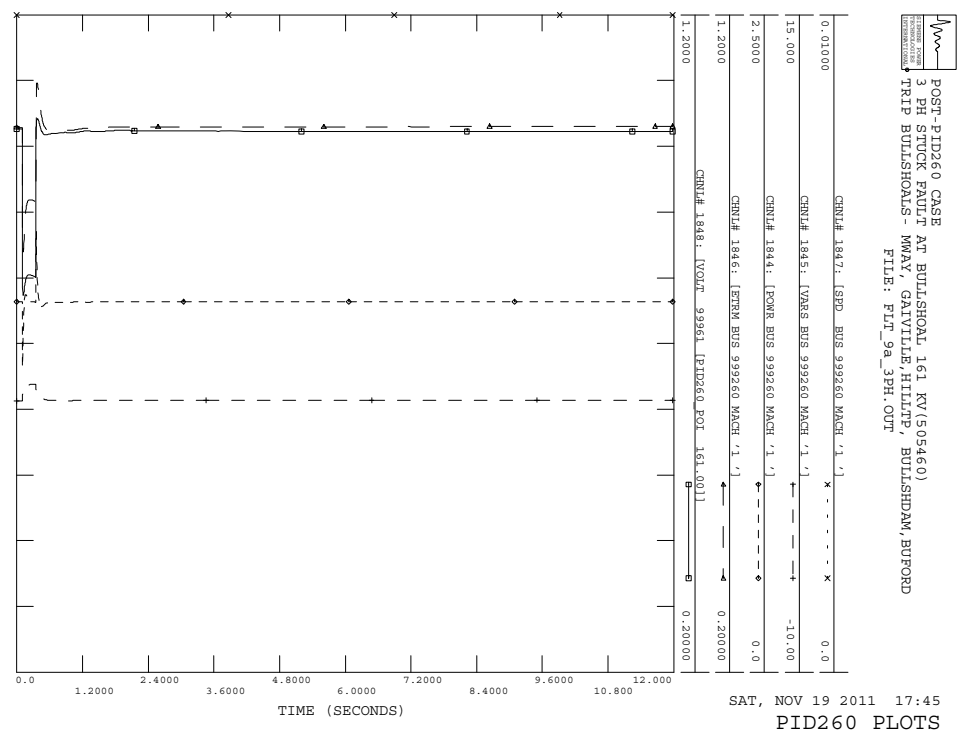
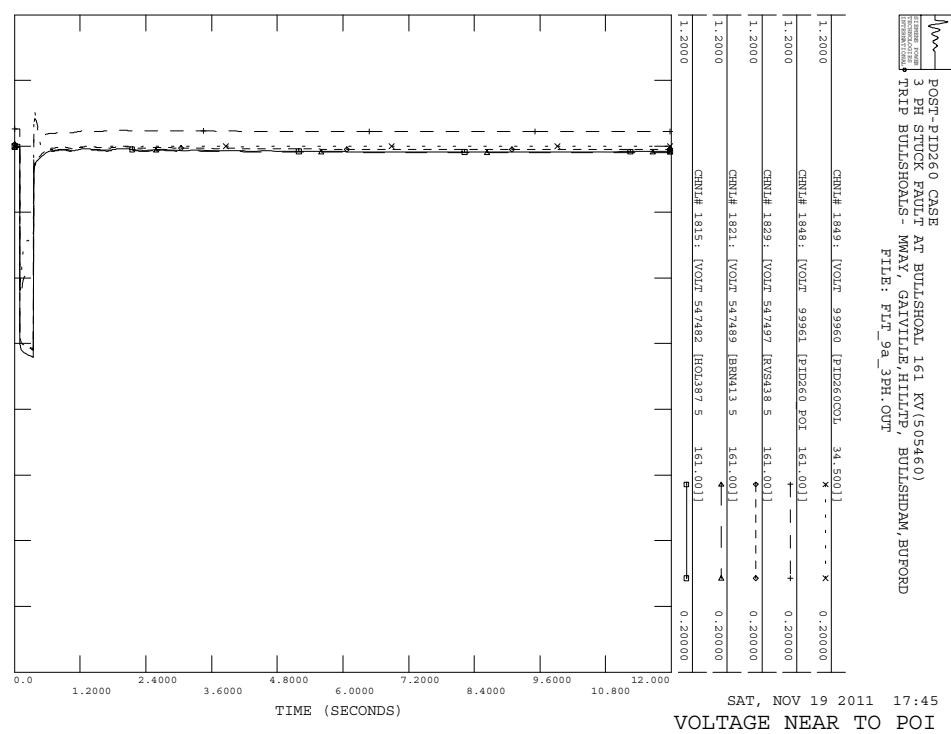
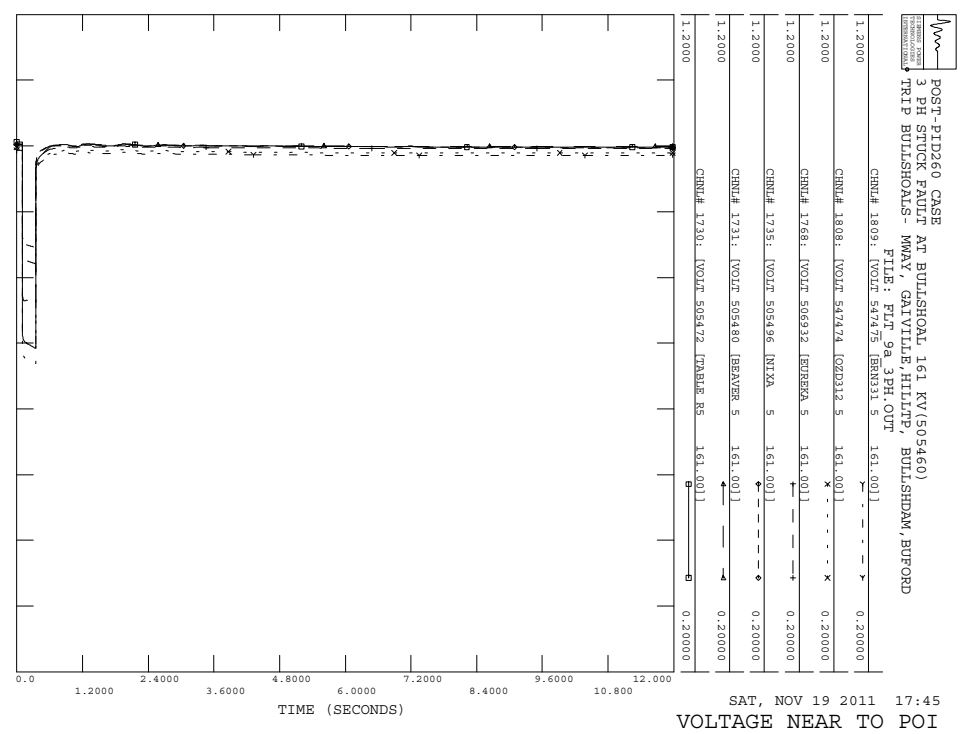
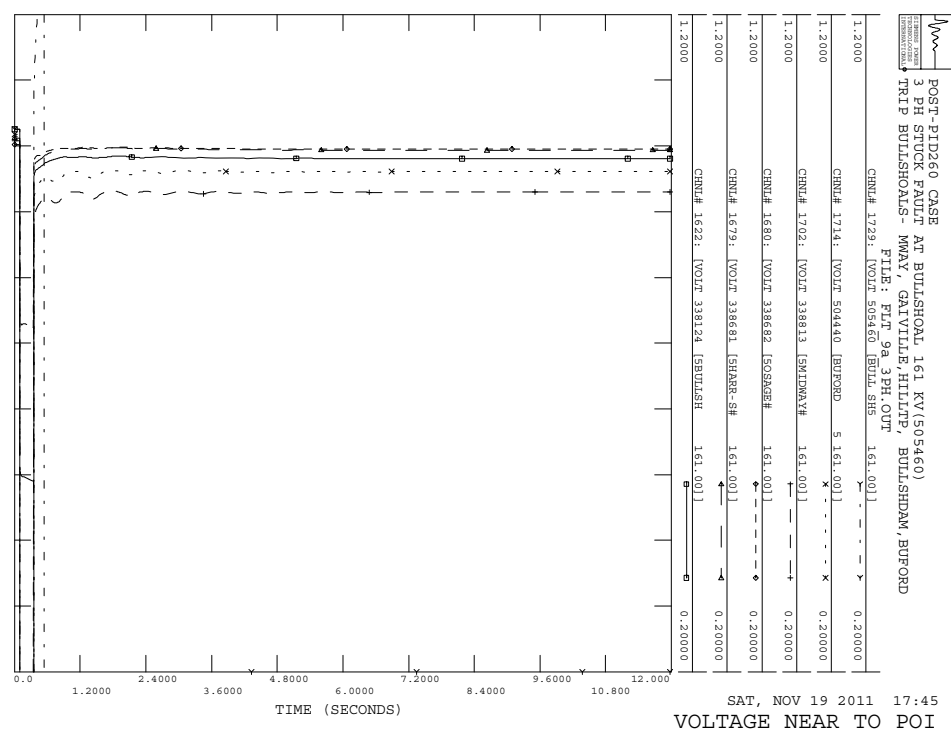
POST-PTD260 CASE
 3 PH STUCK FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- MWAY, GALVILLE,HILITE, BULLSHDAM,BUFORD
 FILE: FLT_9a_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT BULLSHOAL 161 KV(505460)
 TRIP BULLSHOALS- MWAY, GALVILLE,HILITE, BULLSHDAM,BUFORD
 FILE: FLT_9a_3PH.OUT





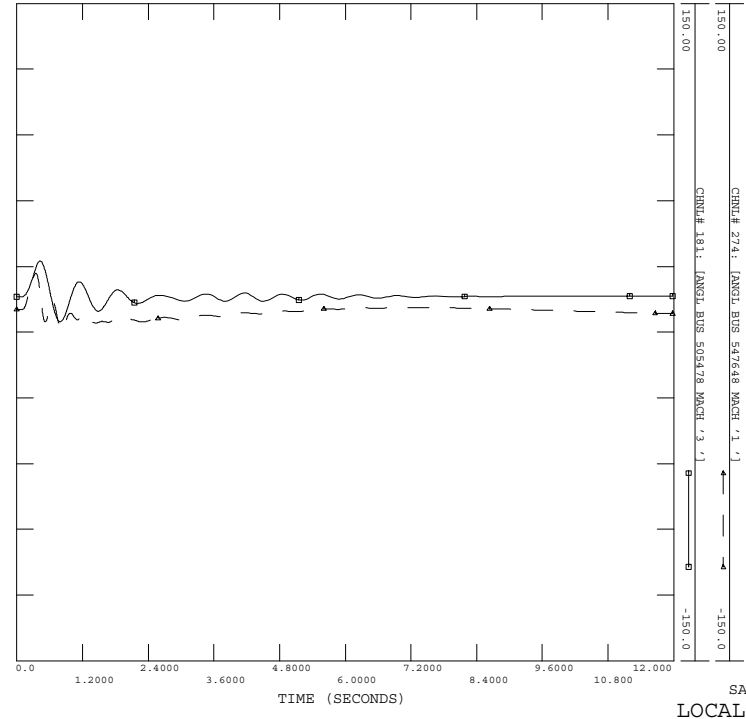


C.19 FLT_12a_3PH

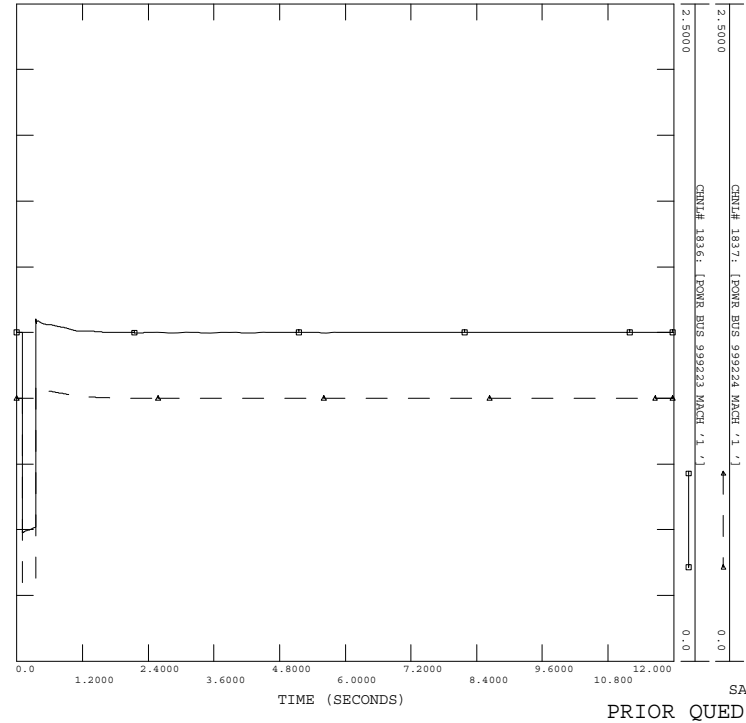
Three phase stuck breaker fault on the Harrison East - Everton 161 kV line.

- a) Apply 3 Phase Fault at Harrison East 161 kV bus
- b) Clear fault after 6 cycles
- c) Apply 3 Phase Fault at Harrison East 161 kV bus
- d) Clear fault after 9 cycles by tripping Harrison East - Everton 161 kV, Harrison East-Summit 161 kV, Harrison East - Omaha 161 kV, Harrison East - Harrison South 161 kV lines

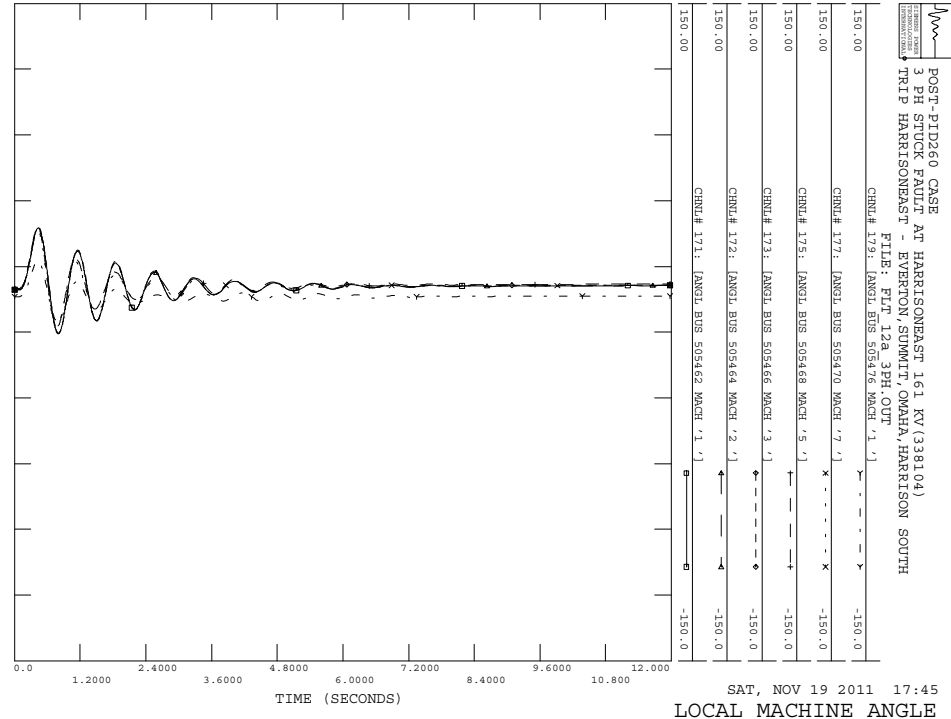
POST-PTD260 CASE
 3 PH STUCK FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST - EVERTON, SUMMIT, OMAHA, HARRISON SOUTH
 FILE: FLT_12a_3PH.OUT



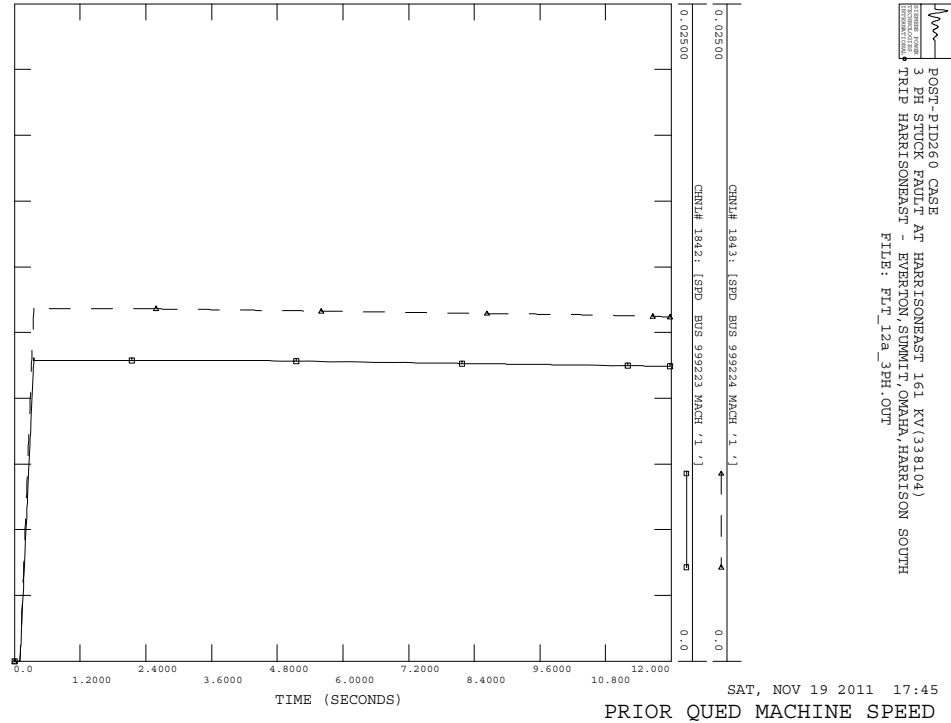
POST-PTD260 CASE
 3 PH STUCK FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST - EVERTON, SUMMIT, OMAHA, HARRISON SOUTH
 FILE: FLT_12a_3PH.OUT

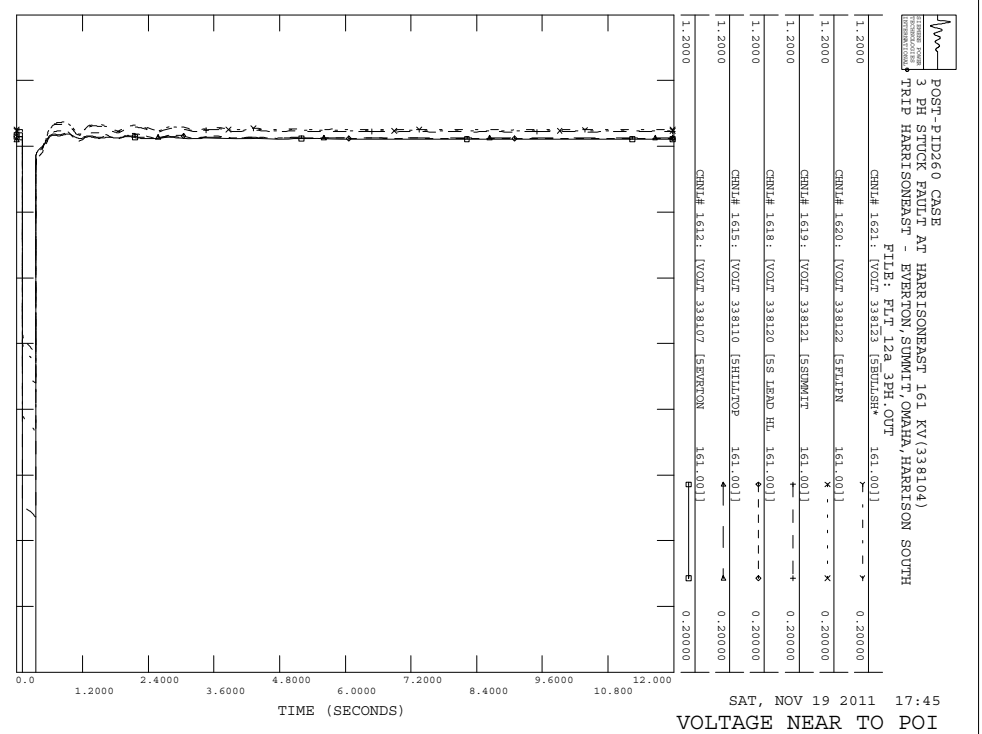
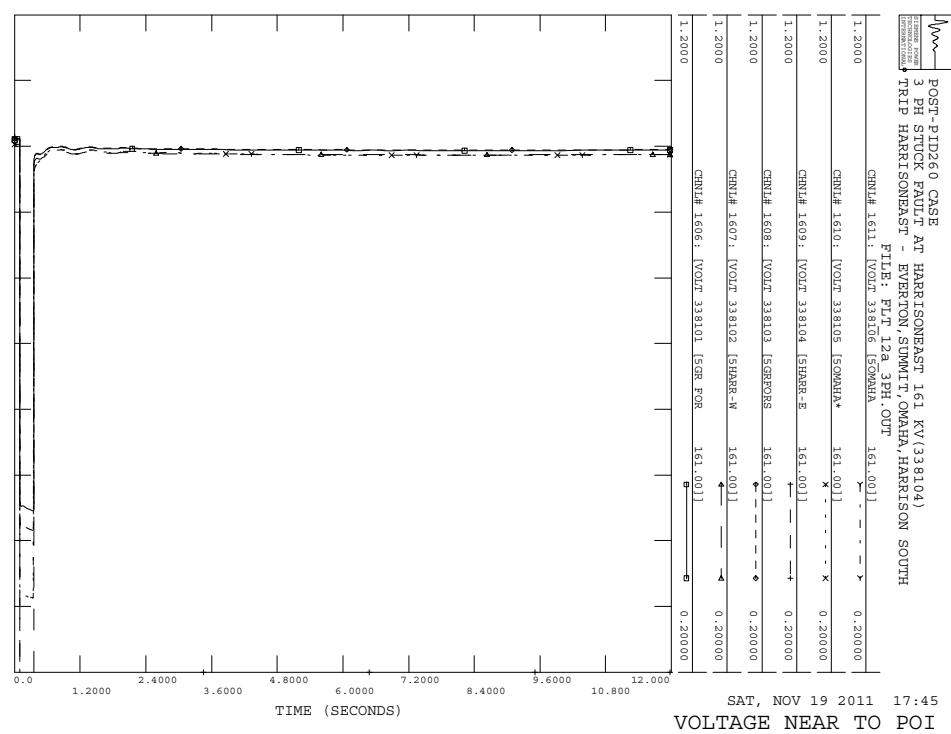
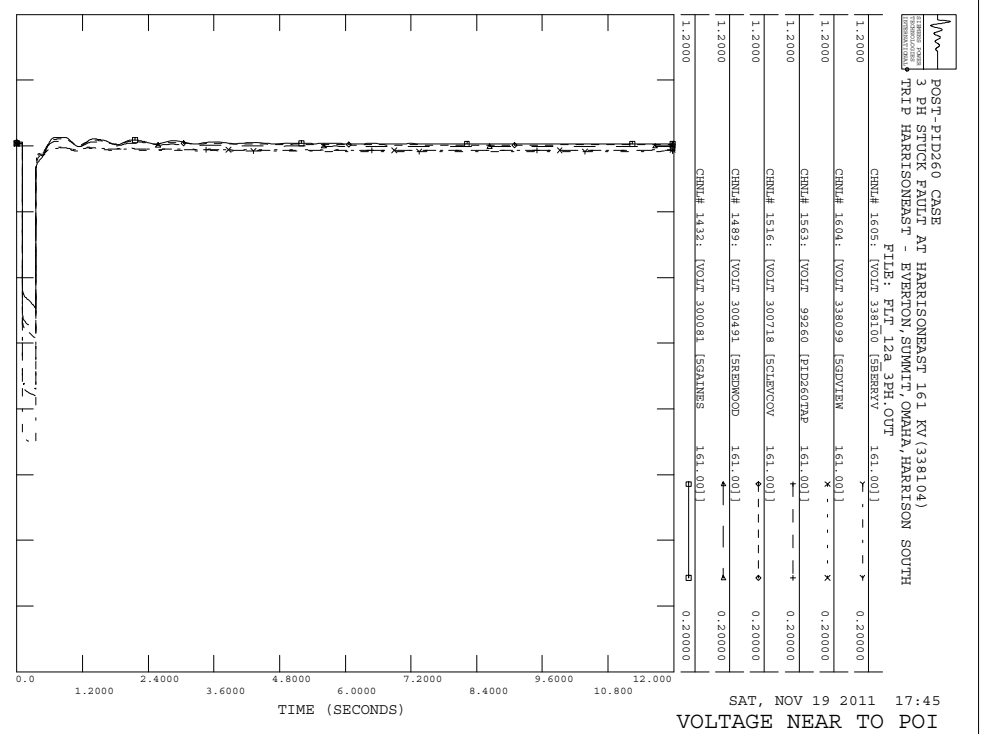
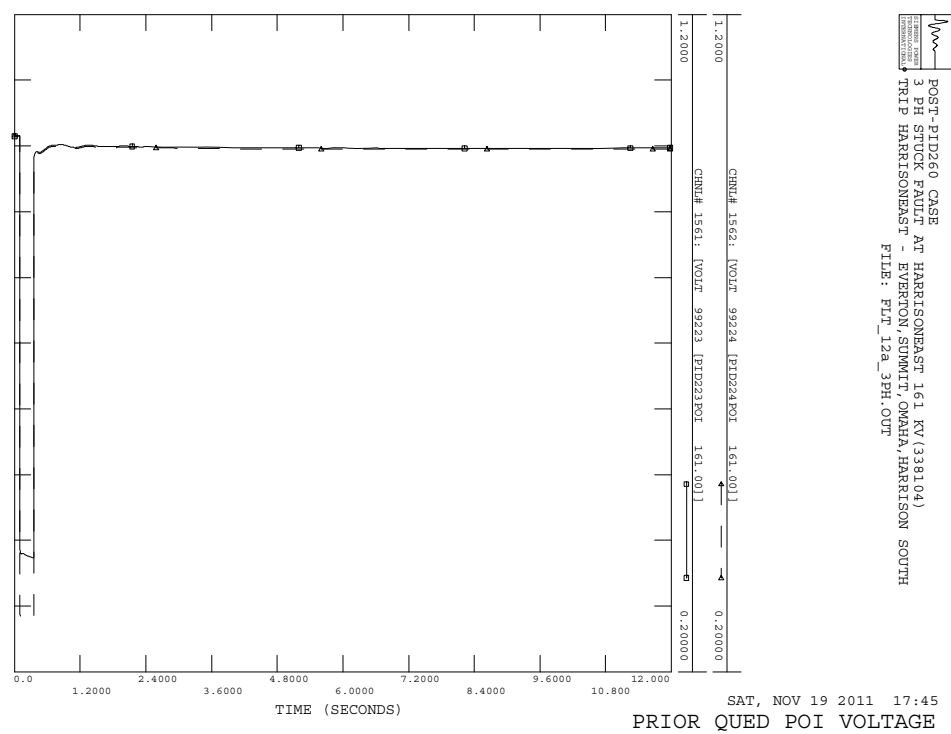


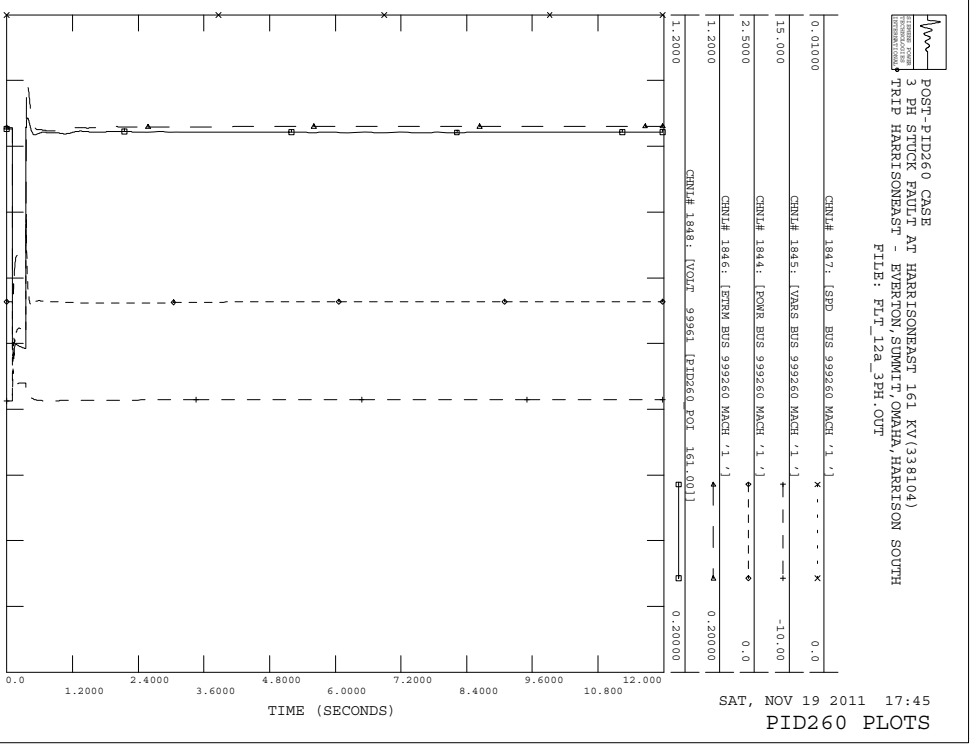
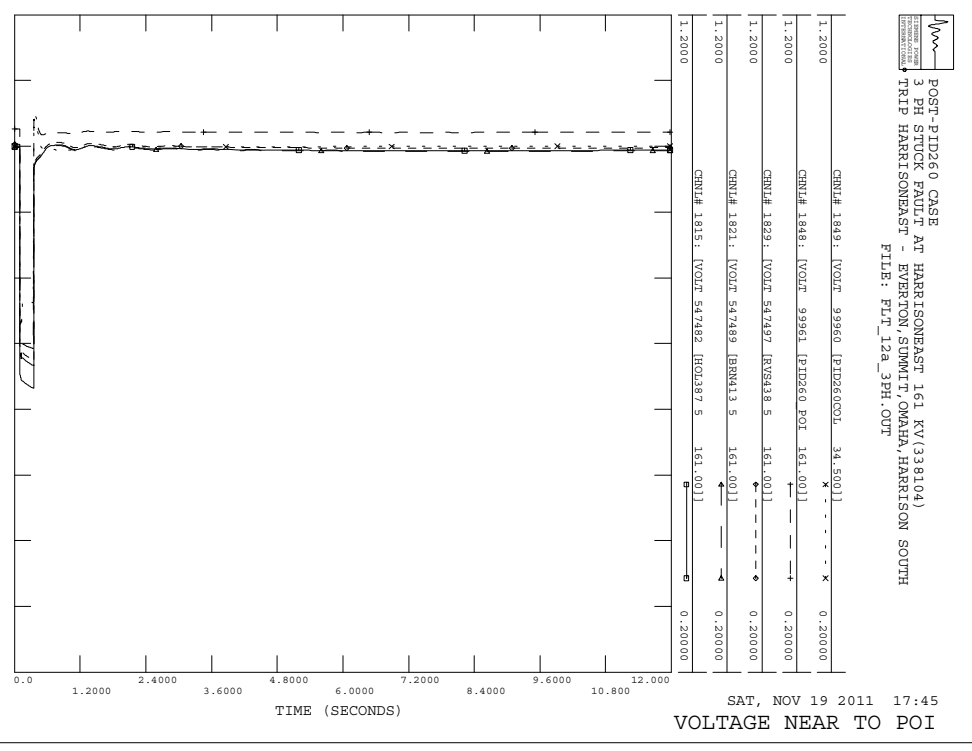
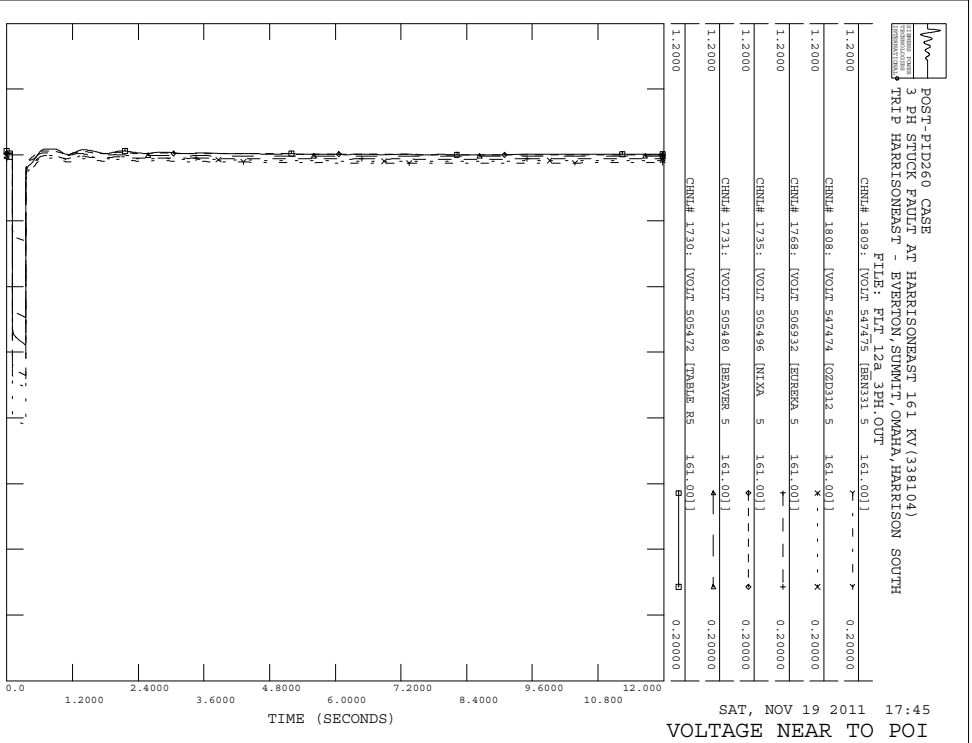
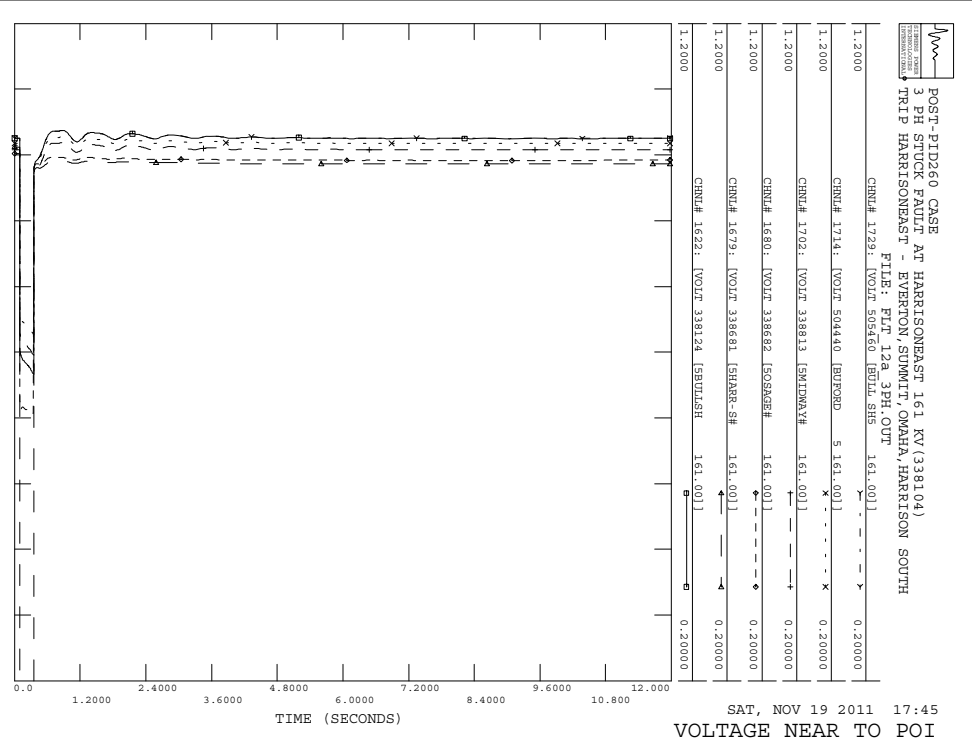
POST-PTD260 CASE
 3 PH STUCK FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST - EVERTON, SUMMIT, OMAHA, HARRISON SOUTH
 FILE: FLT_12a_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT HARRISON EAST 161 KV (338104)
 TRIP HARRISON EAST - EVERTON, SUMMIT, OMAHA, HARRISON SOUTH
 FILE: FLT_12a_3PH.OUT





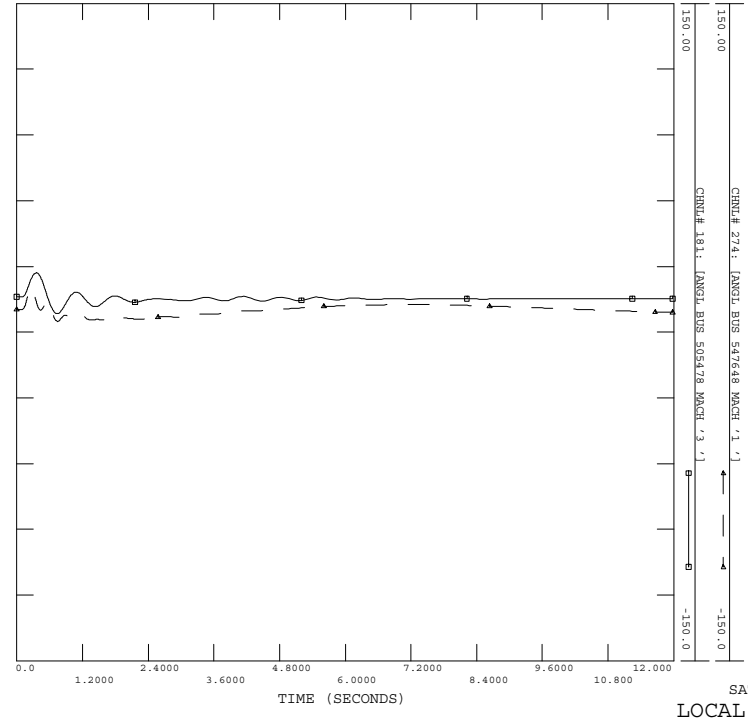


C.20 FLT_16_3PH

Three phase stuck breaker fault on the Grandview - Table Rock 161 kV line.

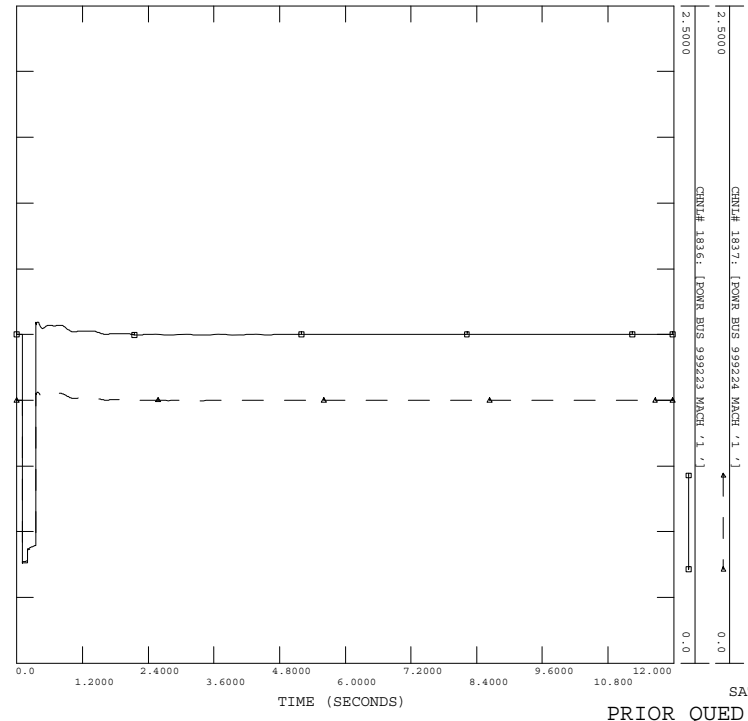
- a) Apply 3 Phase Fault at Grandview 161 kV bus
- b) Clear fault after 6 cycles by tripping Grandview - Table Rock 161 kV line
- c) Apply 3 Phase Fault at Grandview 161 kV bus
- d) Clear fault after 9 cycles by tripping Grandview - PID260 tap 161 kV line

POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLE ROCK, PTD260TAP 161 KV
 FILE: FLT_16_3PH.OUT



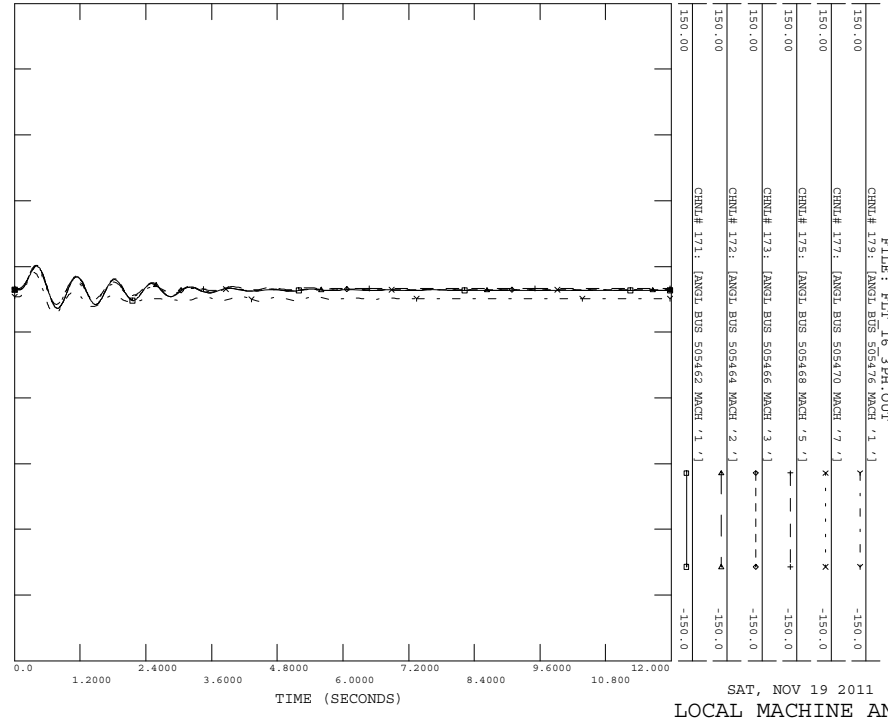
SAT, NOV 19 2011 17:45
 LOCAL MACHINE ANGLE

POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLE ROCK, PTD260TAP 161 KV
 FILE: FLT_16_3PH.OUT



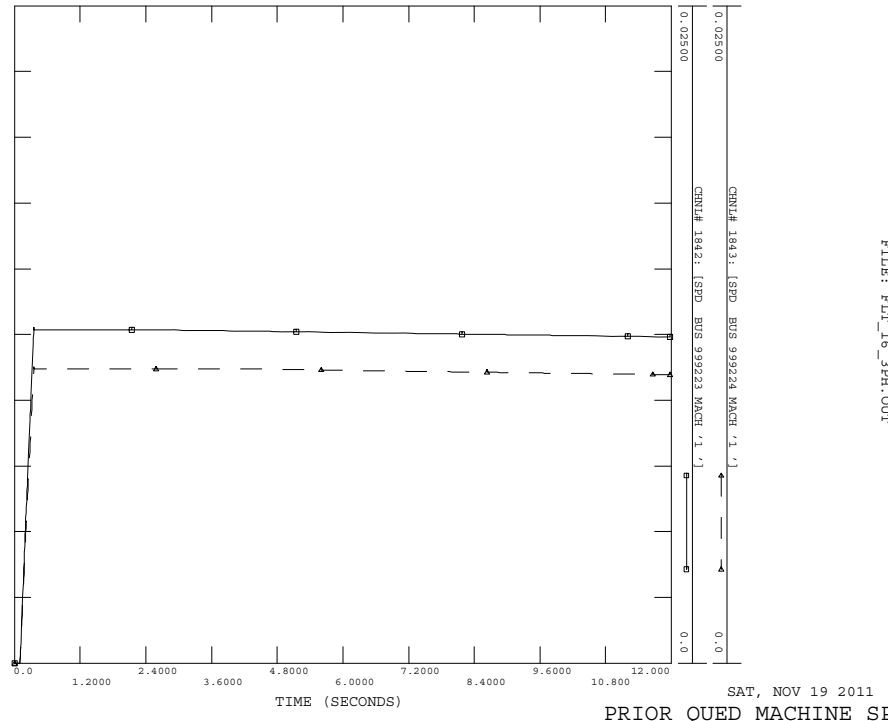
SAT, NOV 19 2011 17:45
 PRIOR QUED MACHINE POWER

POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLE ROCK, PTD260TAP 161 KV
 FILE: FLT_16_3PH.OUT

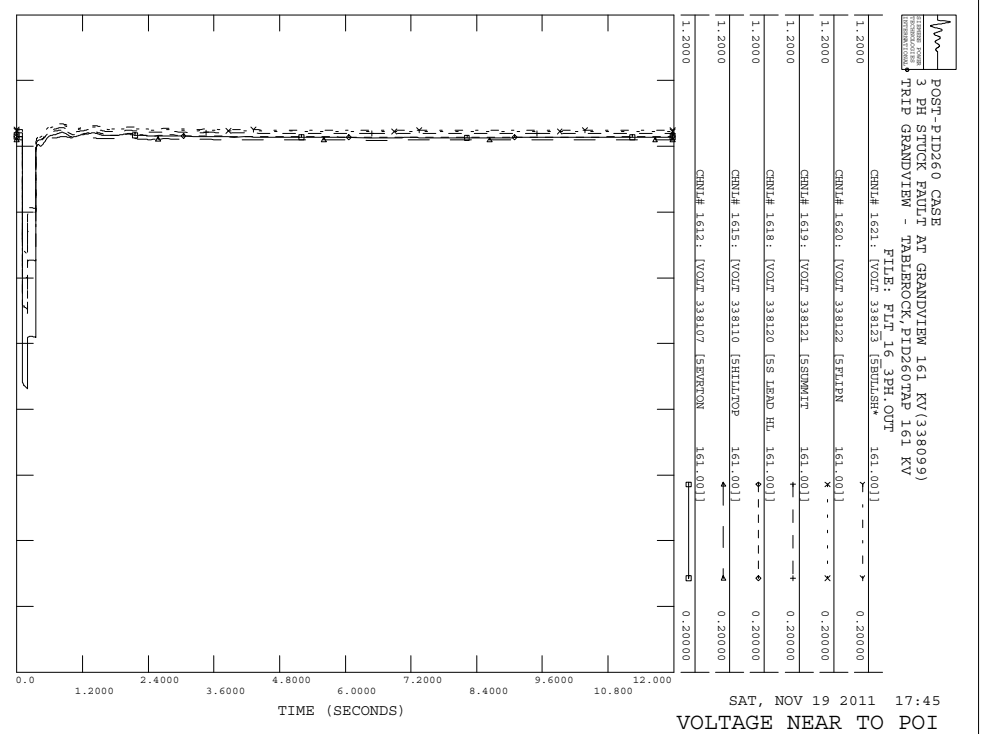
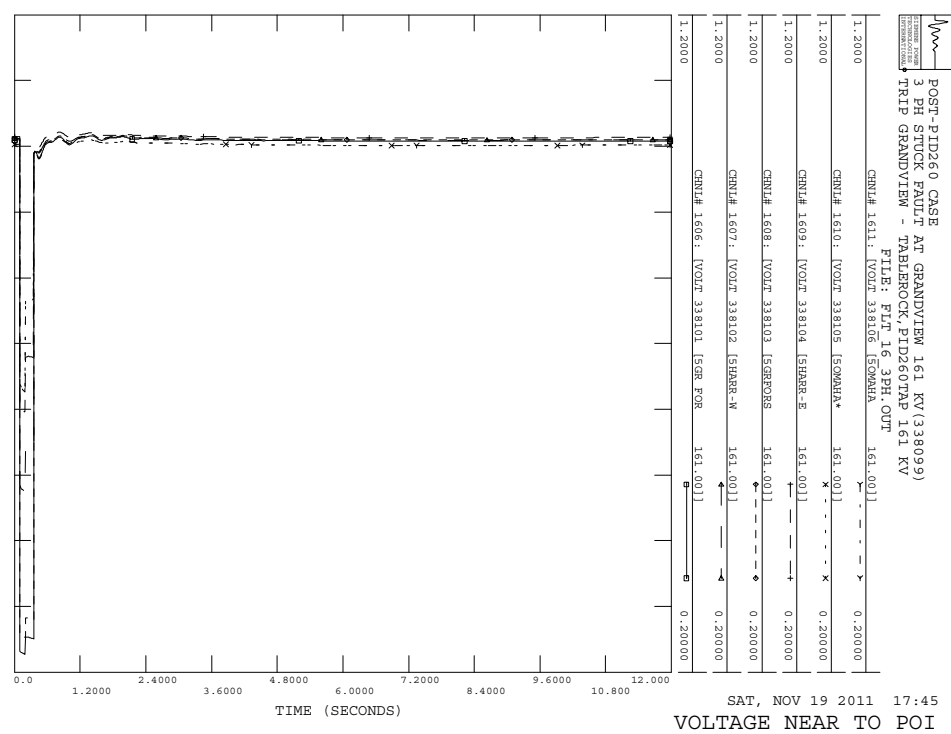
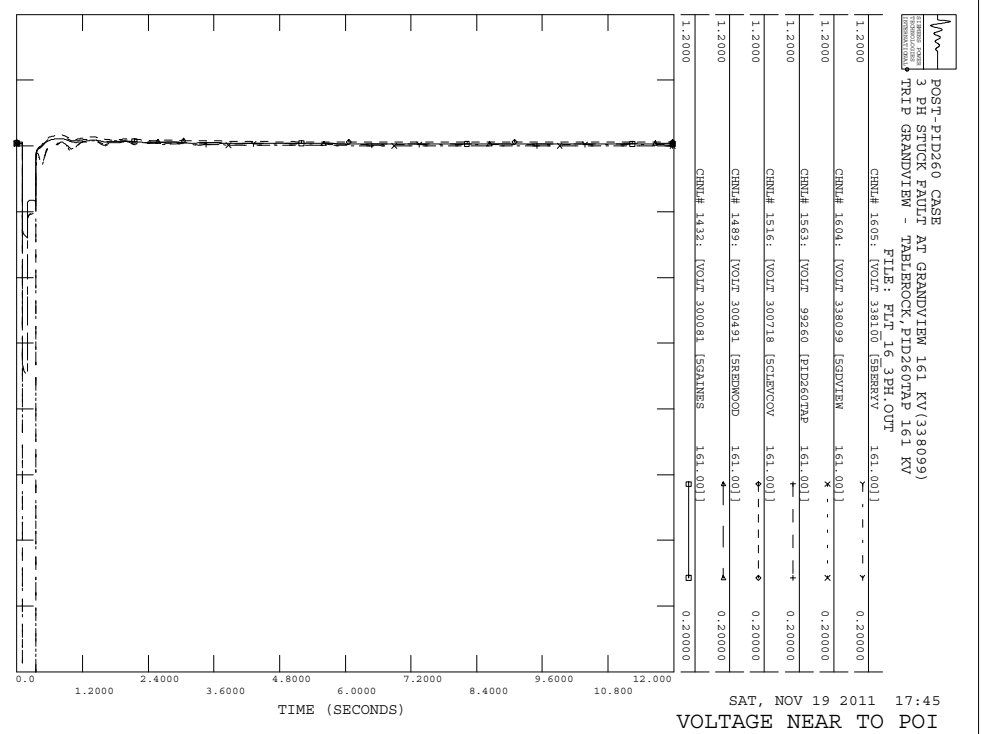
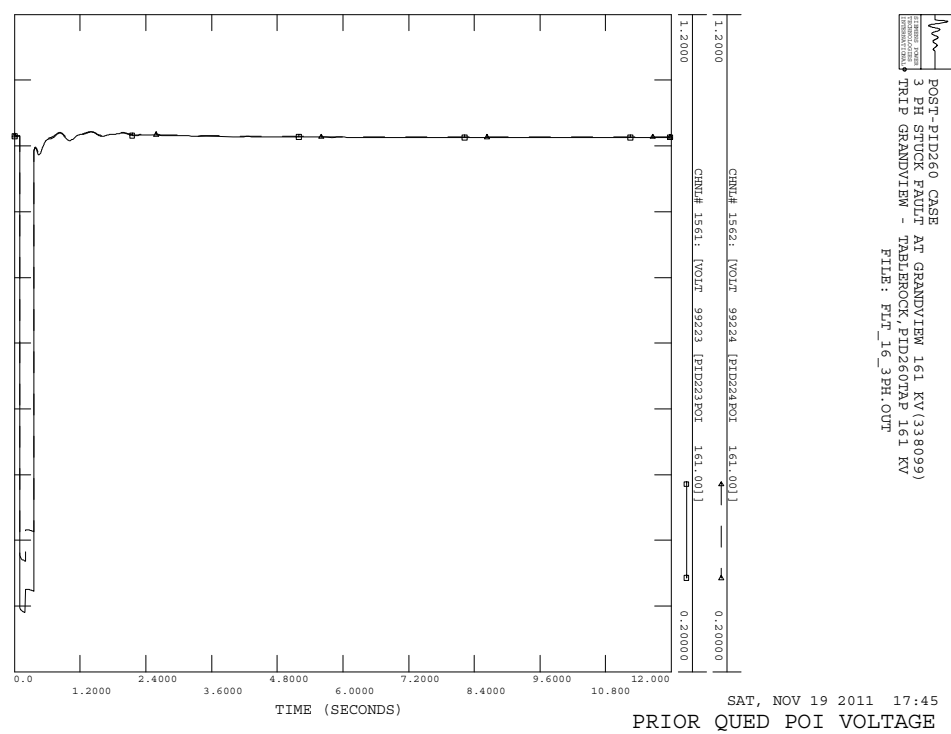


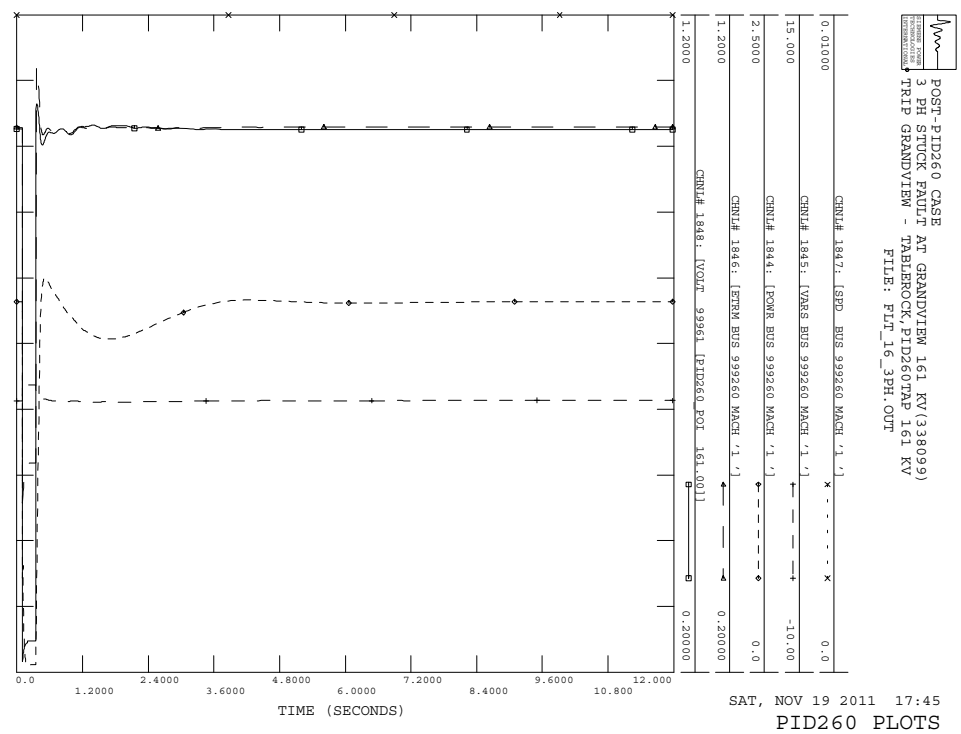
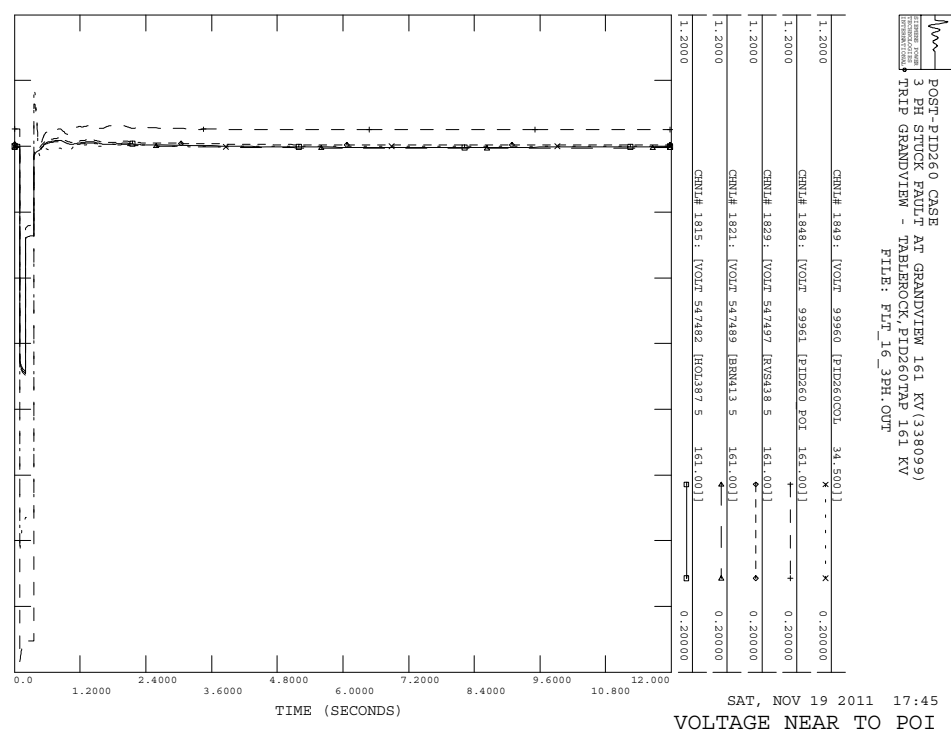
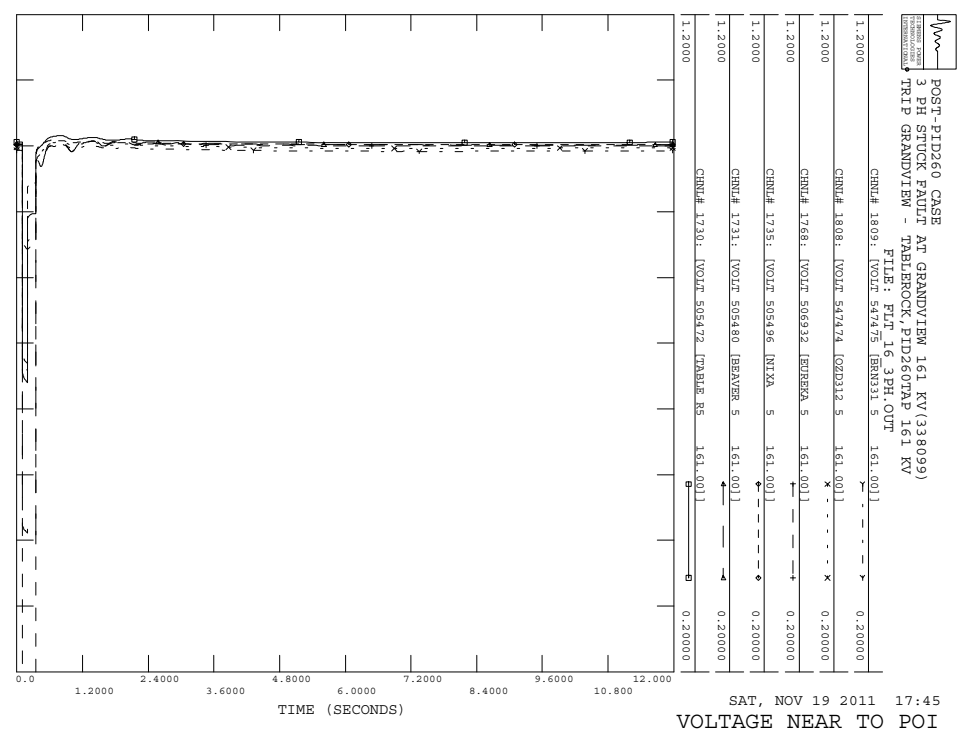
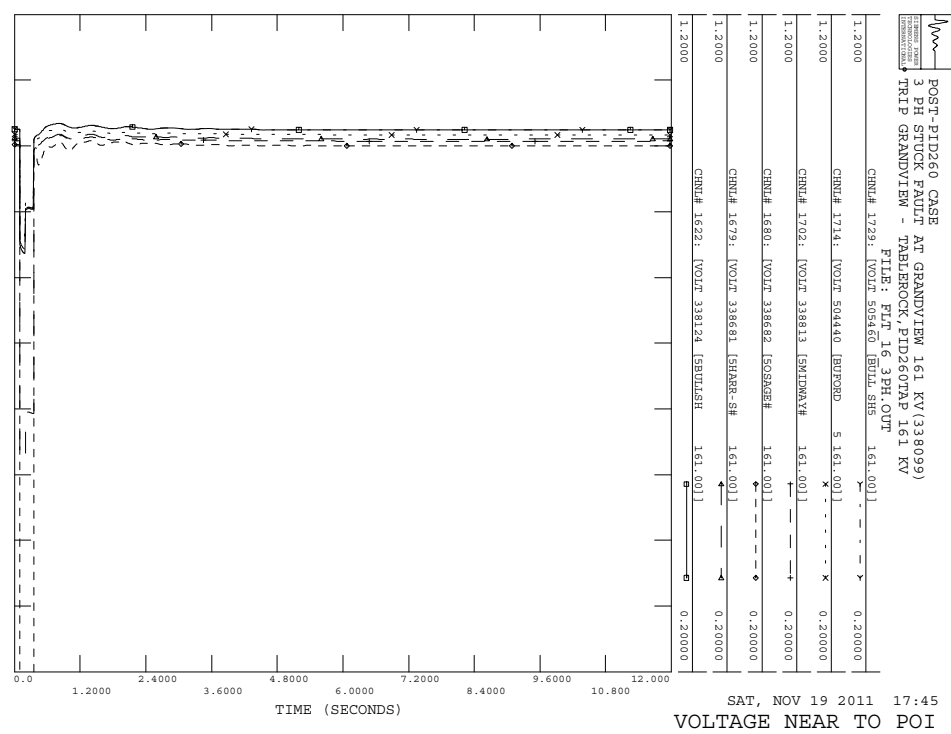
SAT, NOV 19 2011 17:45
 LOCAL MACHINE ANGLE

POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLE ROCK, PTD260TAP 161 KV
 FILE: FLT_16_3PH.OUT



SAT, NOV 19 2011 17:45
 PRIOR QUED MACHINE SPEED



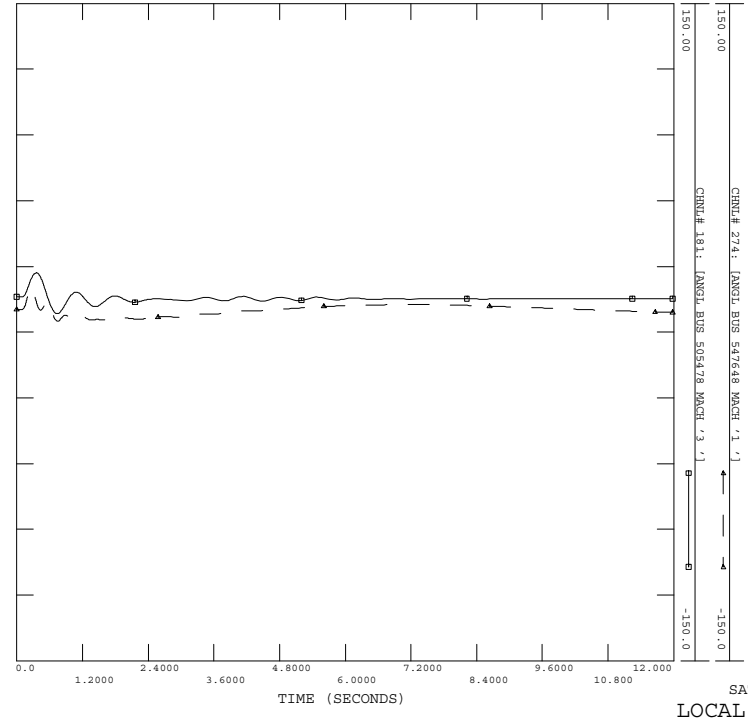


C.21 FLT_17_3PH

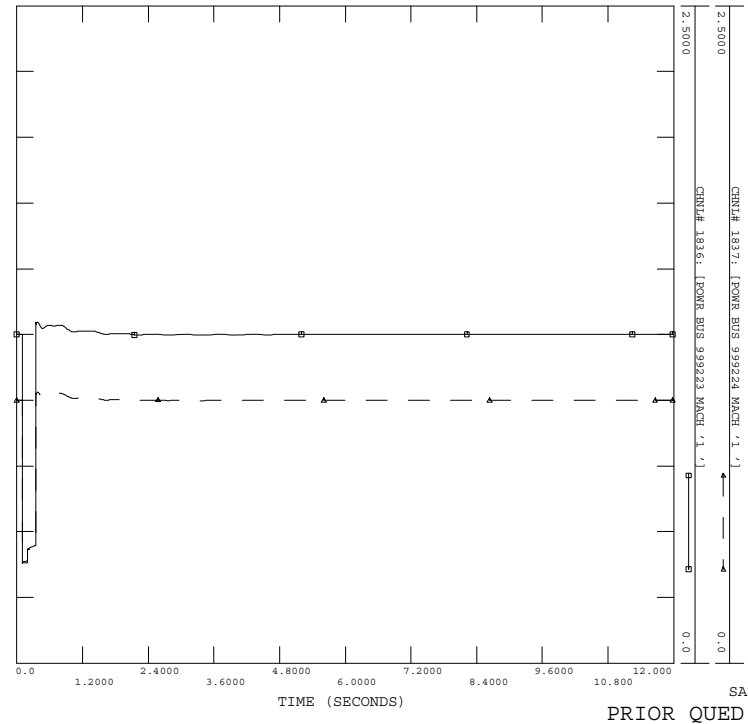
Three phase stuck breaker fault on the Grandview - Table Rock 161 kV line.

- a) Apply 3 Phase Fault at Grandview 161 kV bus
- b) Clear fault after 6 cycles by tripping Grandview - Table Rock 161 kV line
- c) Apply 3 Phase Fault at Grandview 161 kV bus
- d) Clear fault after 9 cycles by tripping Grandview - Eureka Springs 161 kV
161 kV line

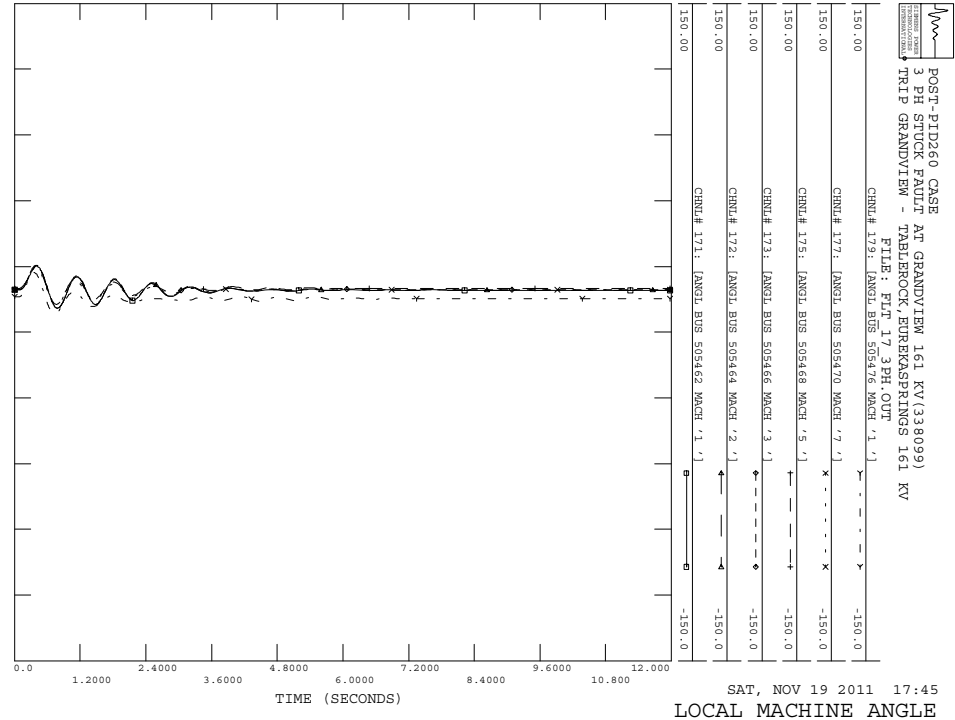
POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK,BUREKASPRINGS 161 KV
 FILE: FLT_17_3PH.OUT



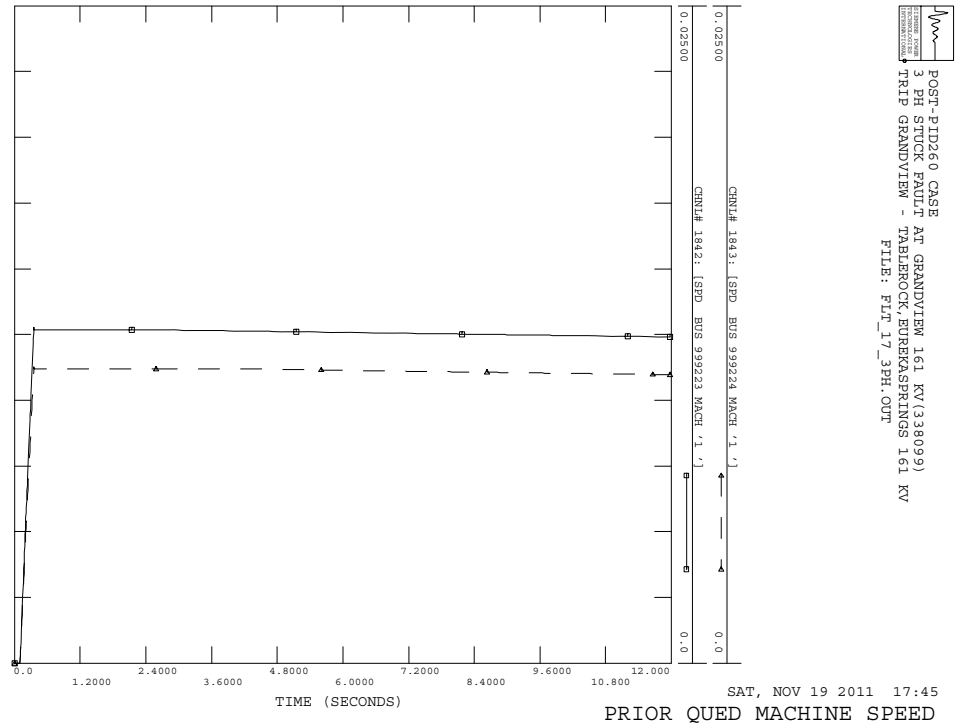
POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK,BUREKASPRINGS 161 KV
 FILE: FLT_17_3PH.OUT

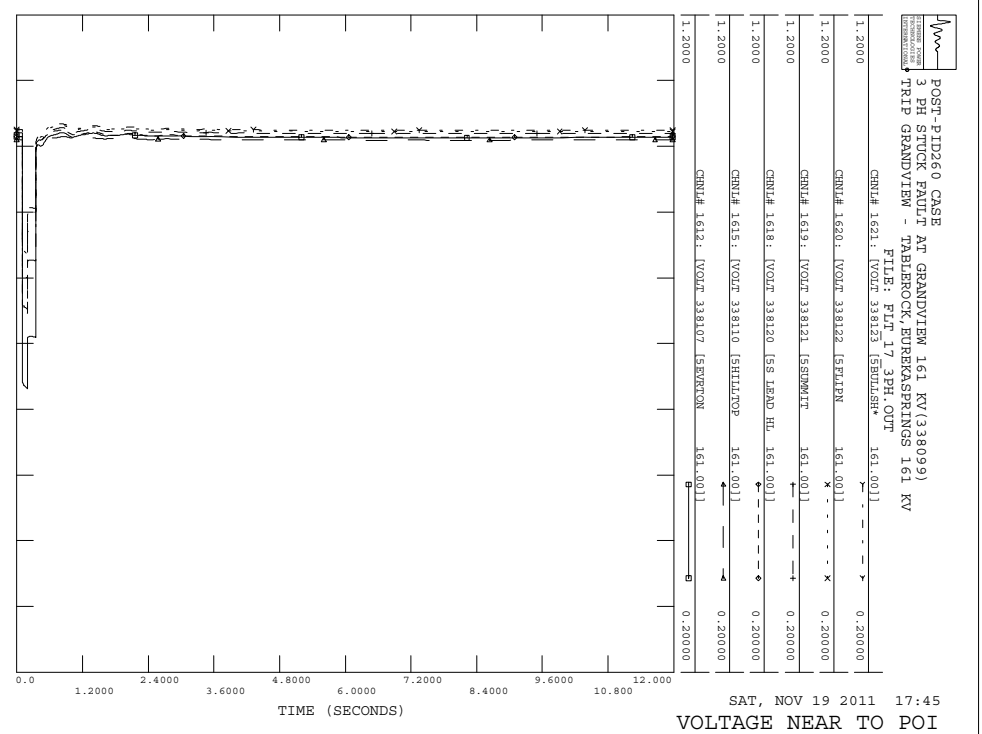
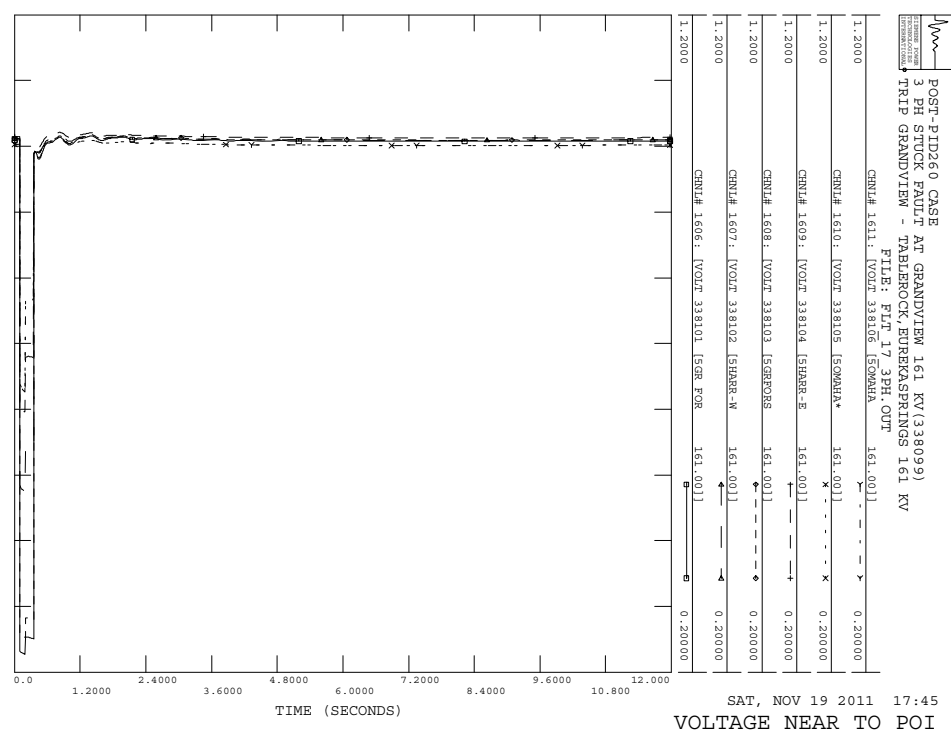
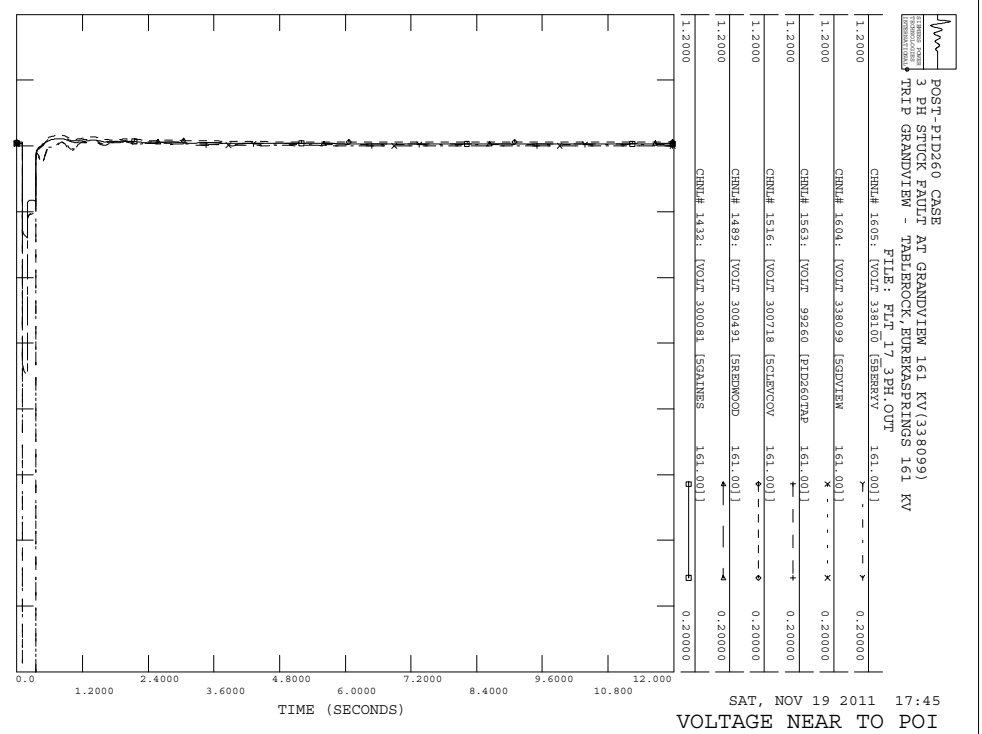
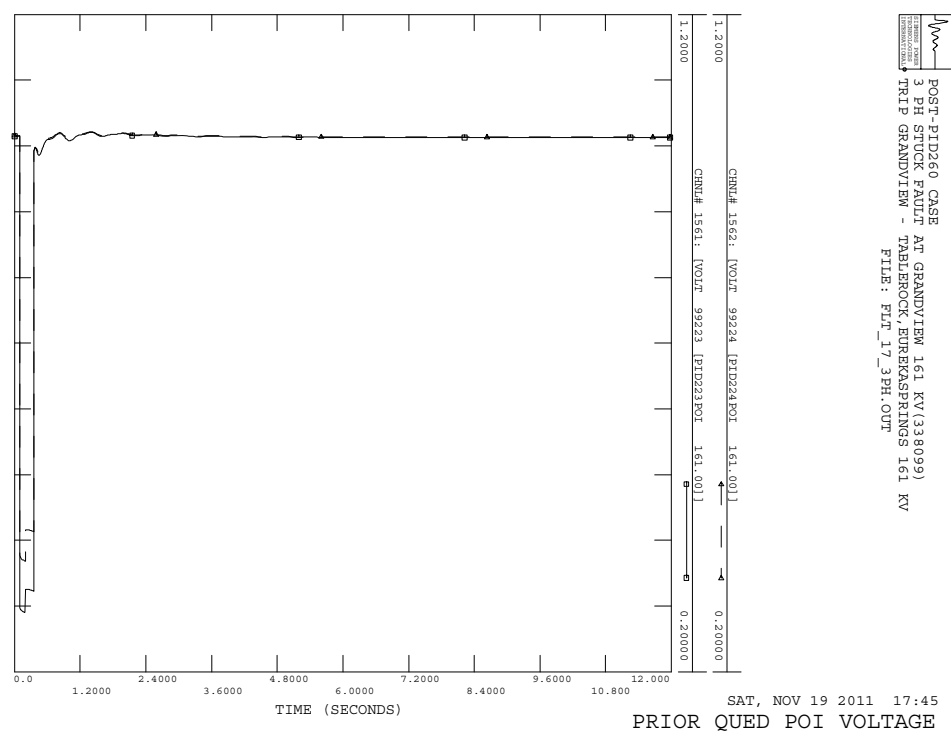


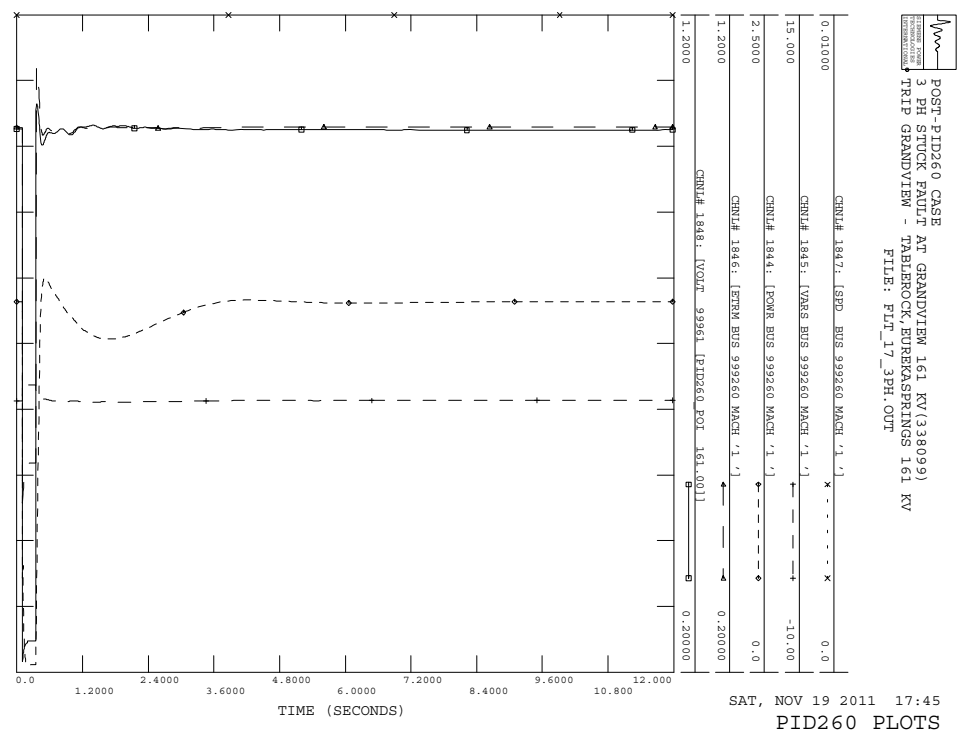
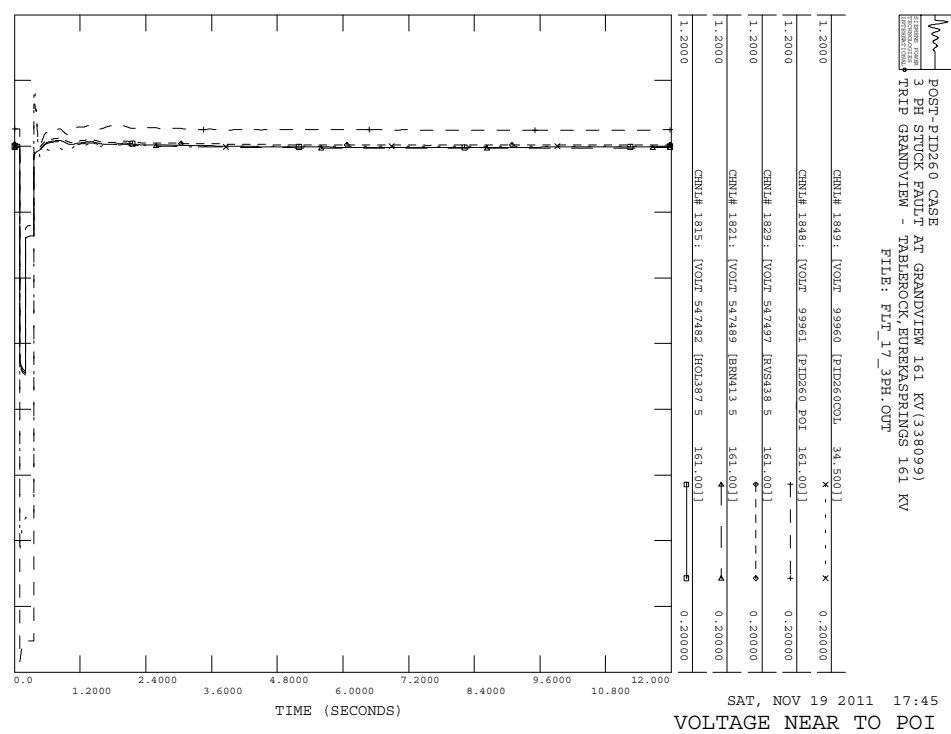
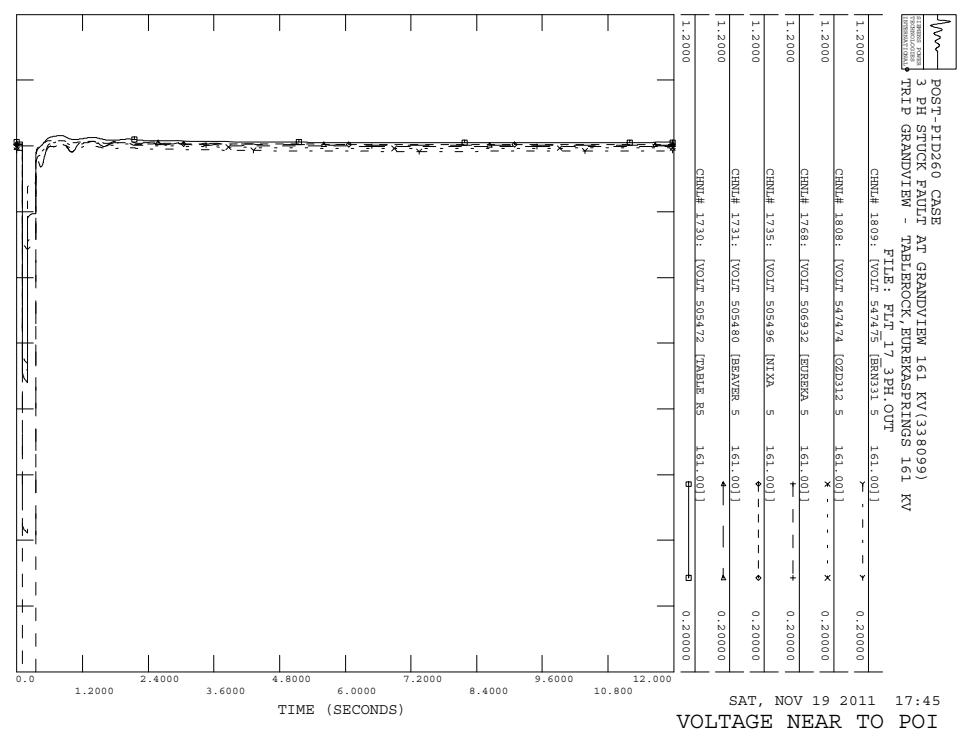
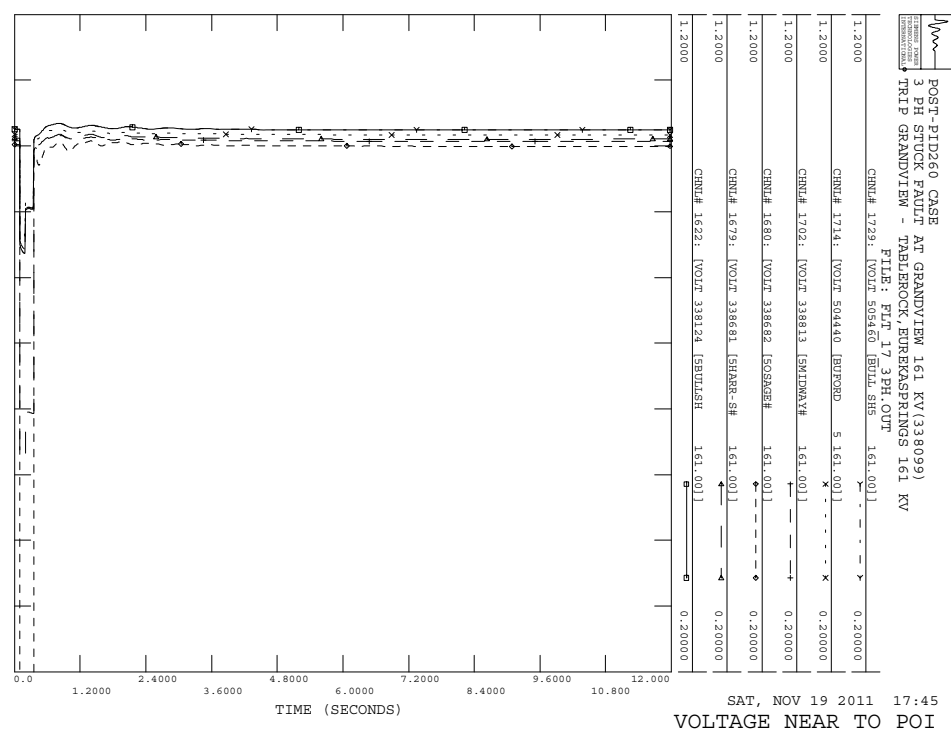
POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK,BUREKASPRINGS 161 KV
 FILE: FLT_17_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK,BUREKASPRINGS 161 KV
 FILE: FLT_17_3PH.OUT





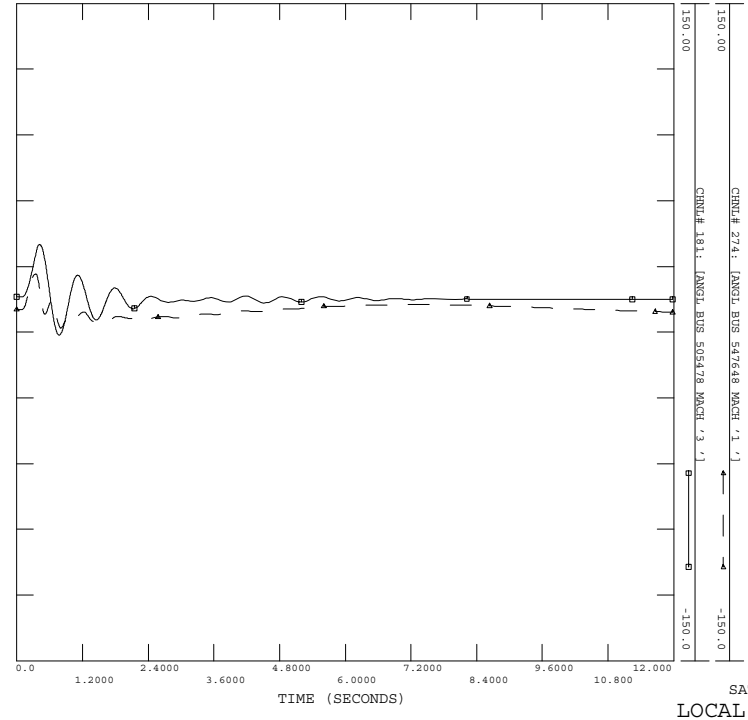


C.22 FLT_18_3PH

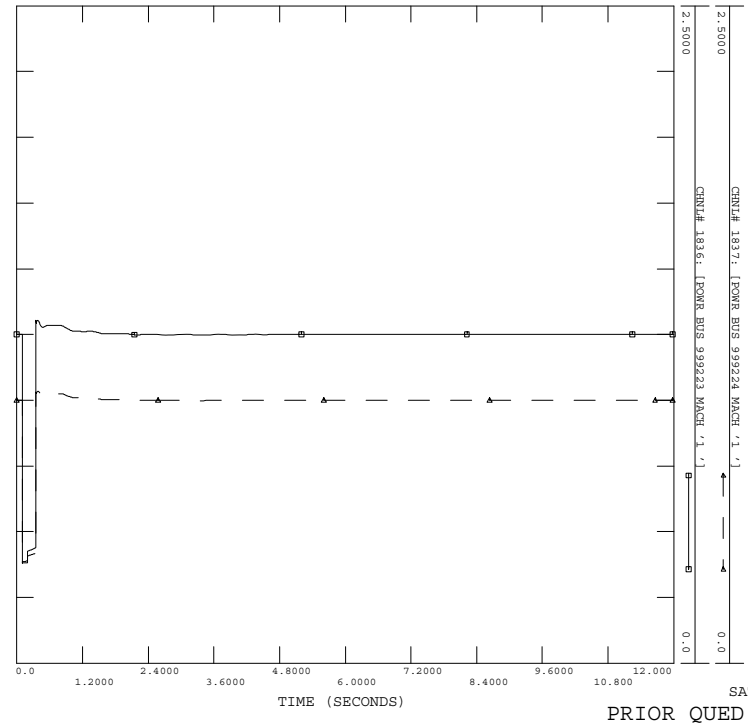
Three phase stuck breaker fault on the Grandview - Eureka Springs 161 kV line.

- a) Apply 3 Phase Fault at Grandview 161 kV bus
- b) Clear fault after 6 cycles by tripping Grandview - Eureka Springs 161 kV line
- c) Apply 3 Phase Fault at Grandview 161 kV bus
- d) Clear fault after 9 cycles by tripping Grandview - Table Rock 161 kV line

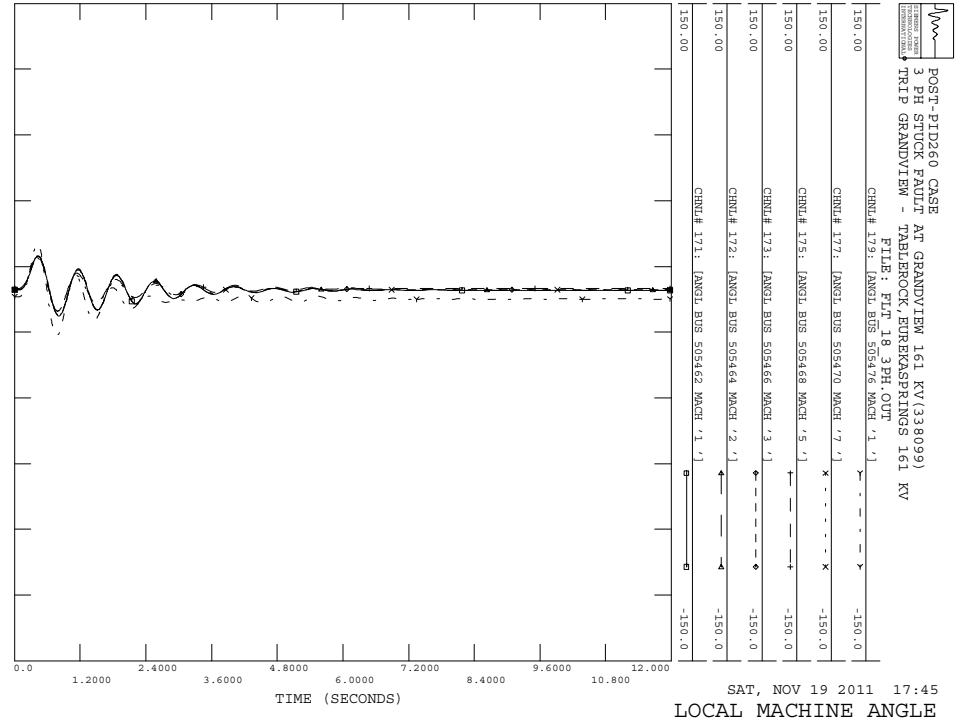
POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK, BURKASPRINGS 161 KV
 FILE: FLT_18_3PH.OUT



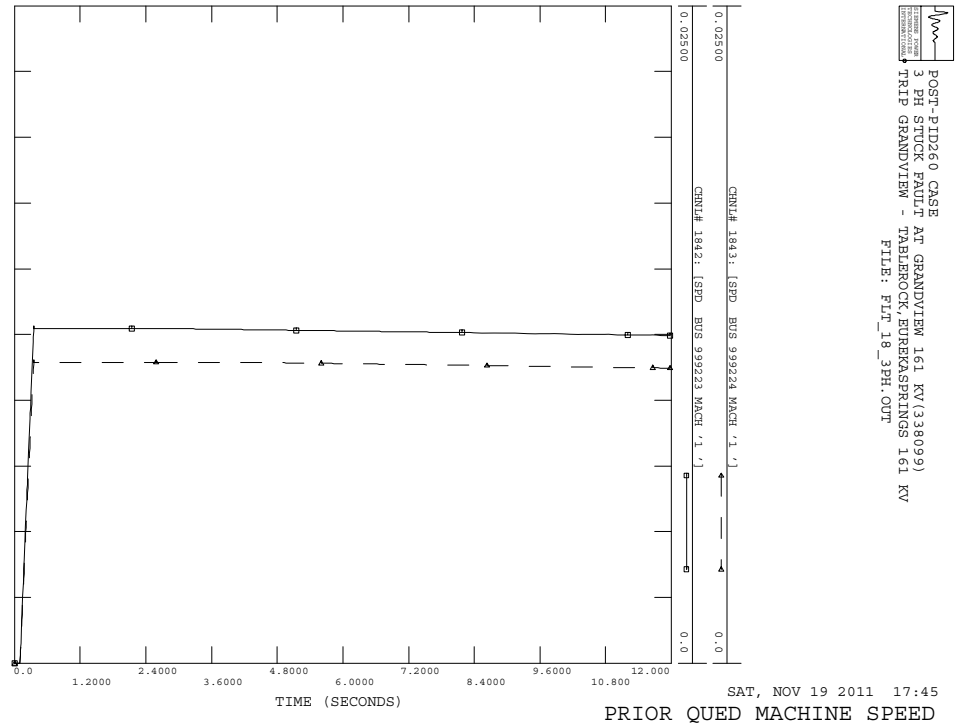
POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK, BURKASPRINGS 161 KV
 FILE: FLT_18_3PH.OUT

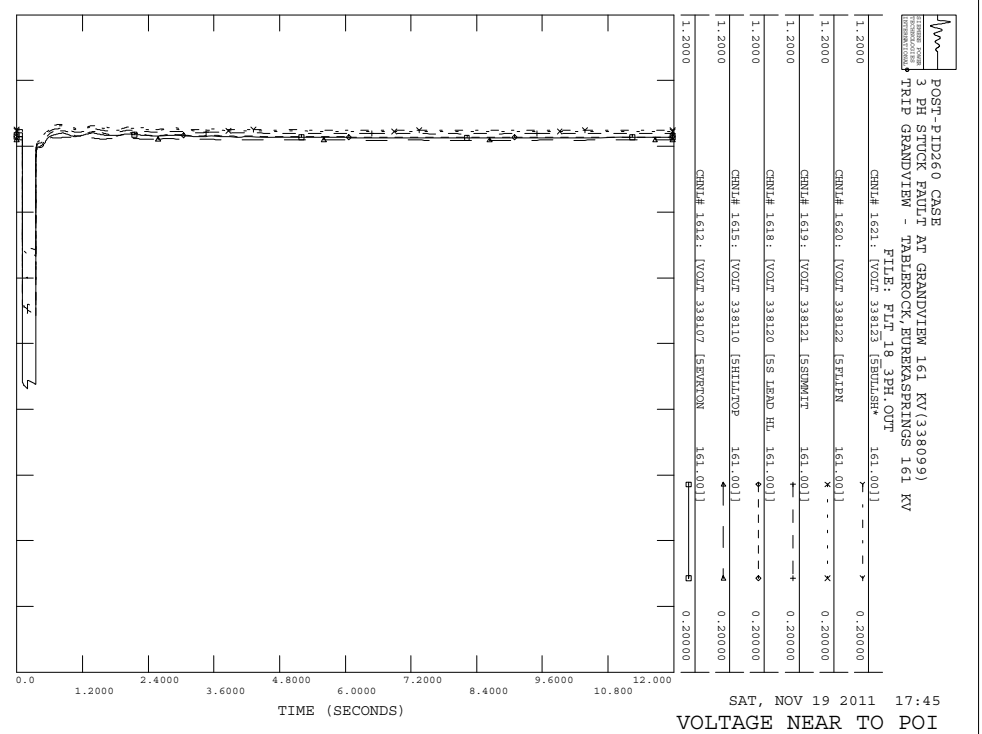
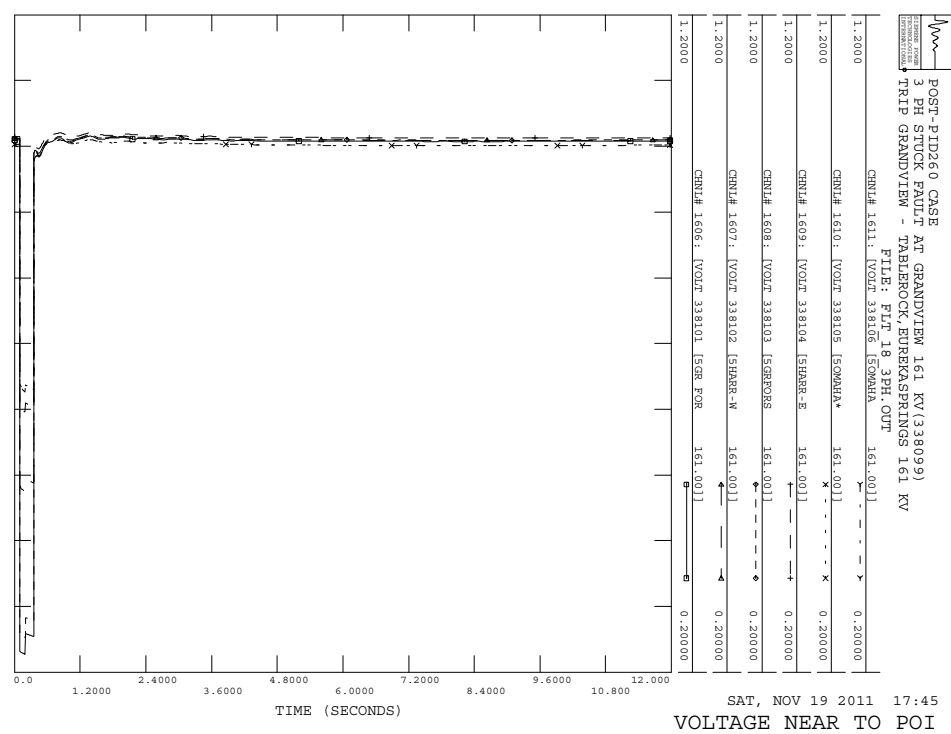
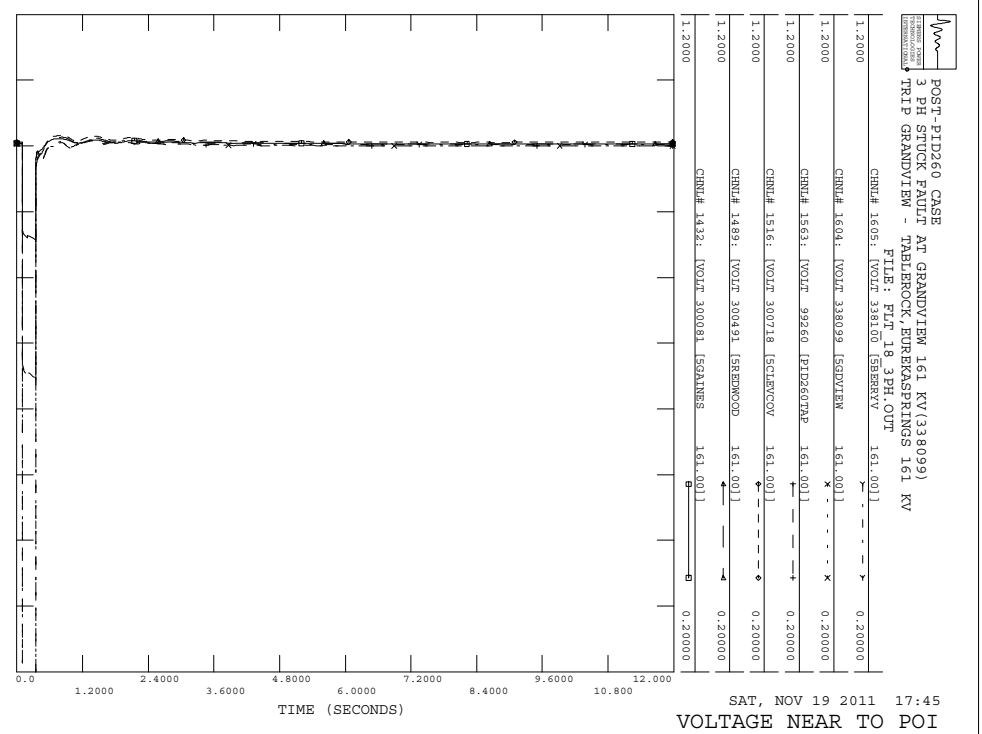
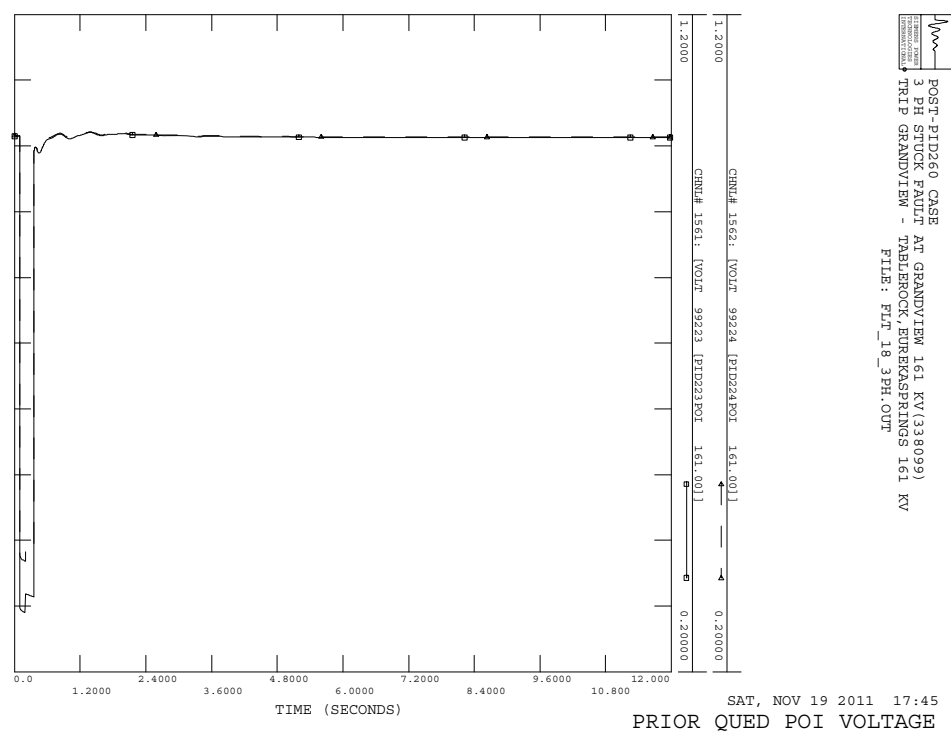


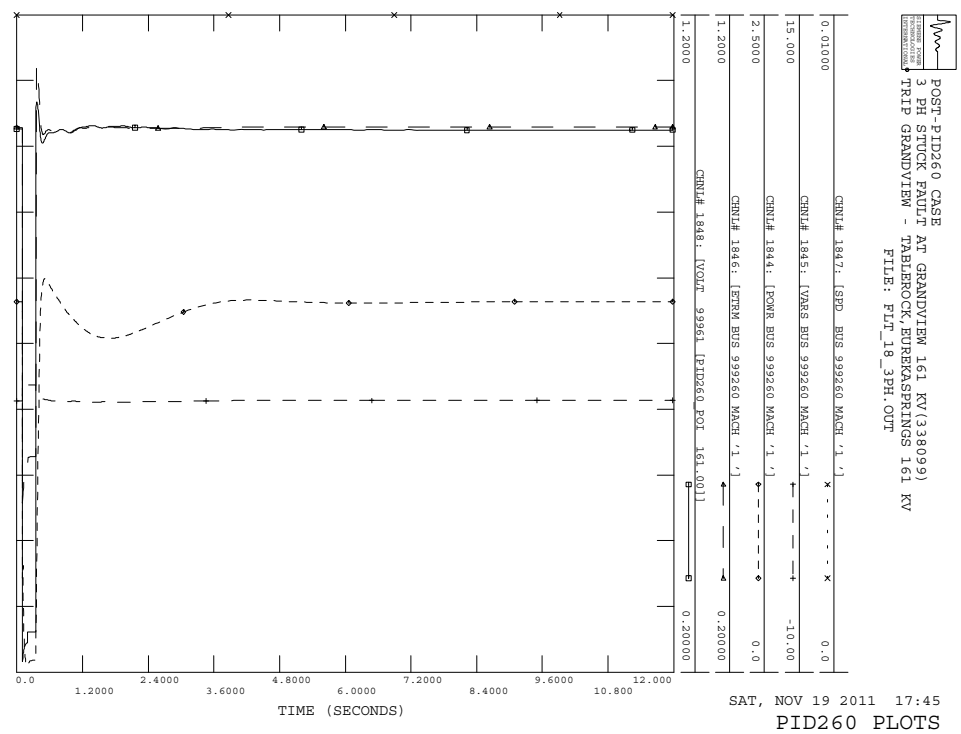
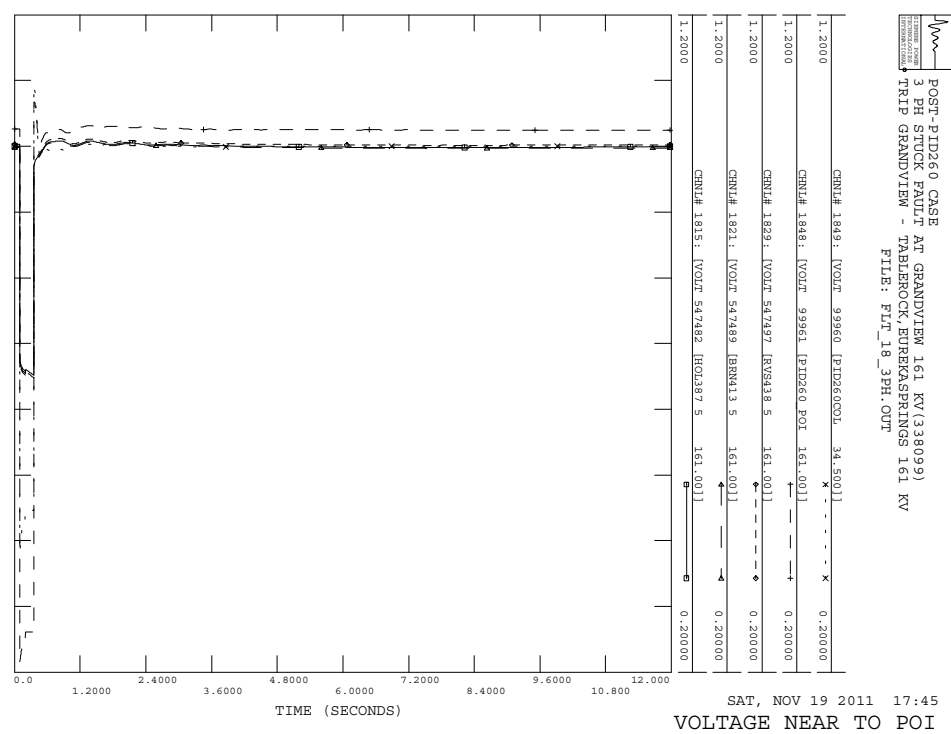
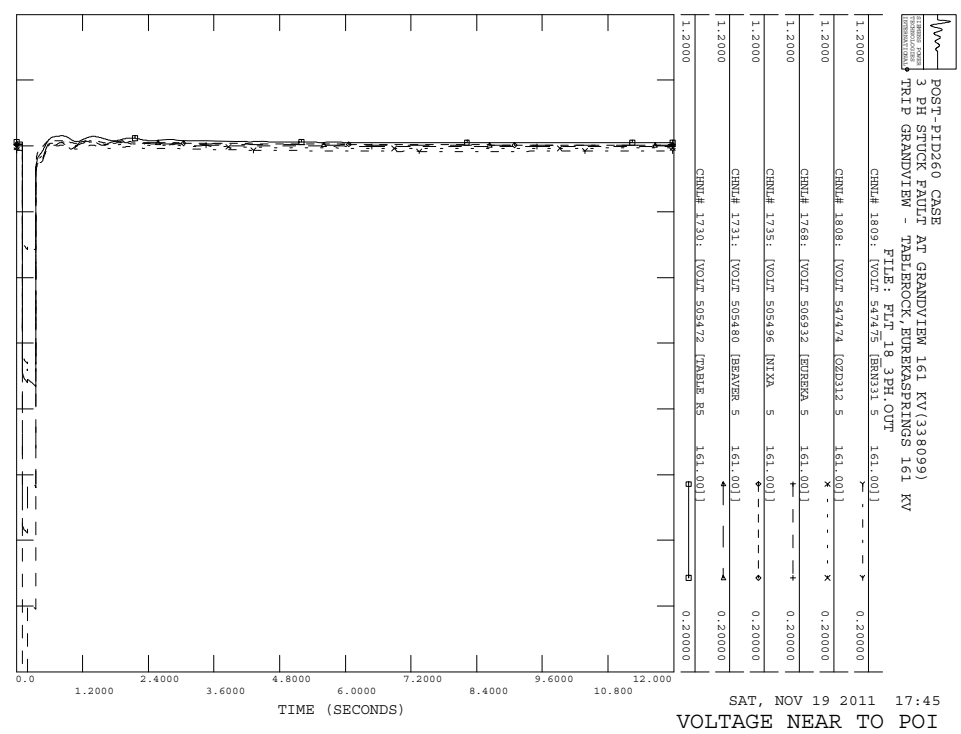
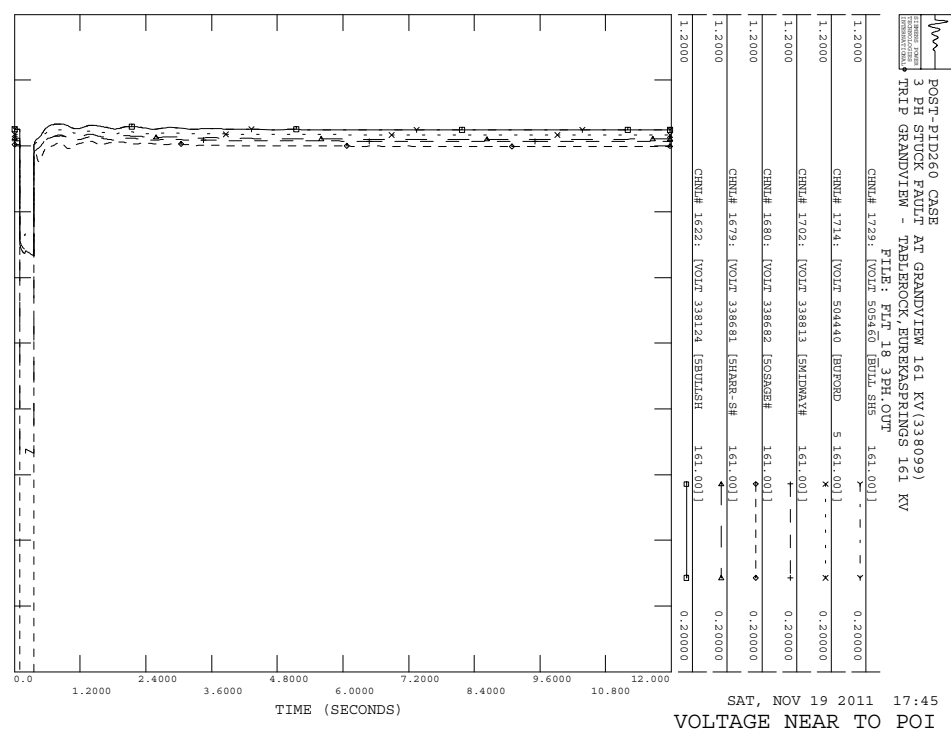
POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK, BURKASPRINGS 161 KV
 FILE: FLT_18_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT GRANDVIEW 161 KV(338099)
 TRIP GRANDVIEW - TABLEROCK, BURKASPRINGS 161 KV
 FILE: FLT_18_3PH.OUT





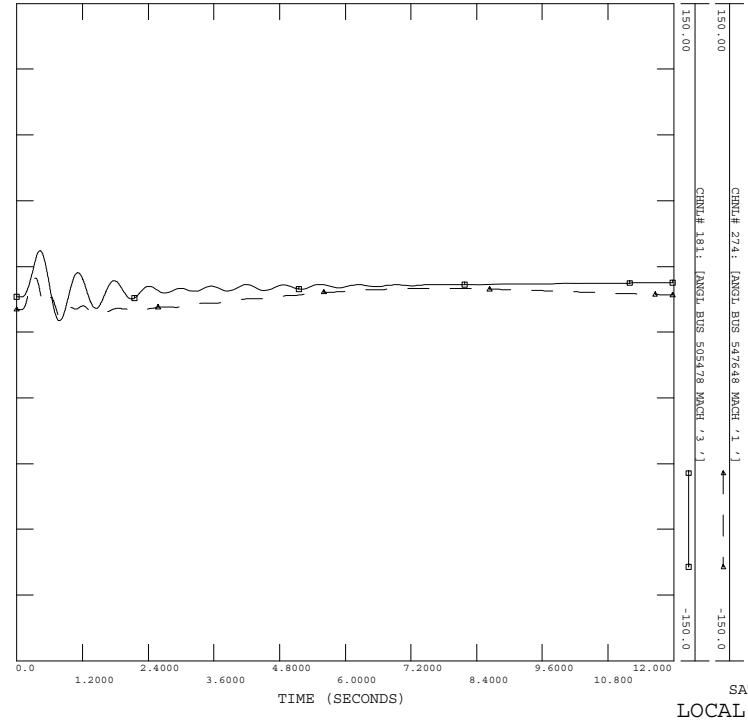


C.23 FLT_19_3PH

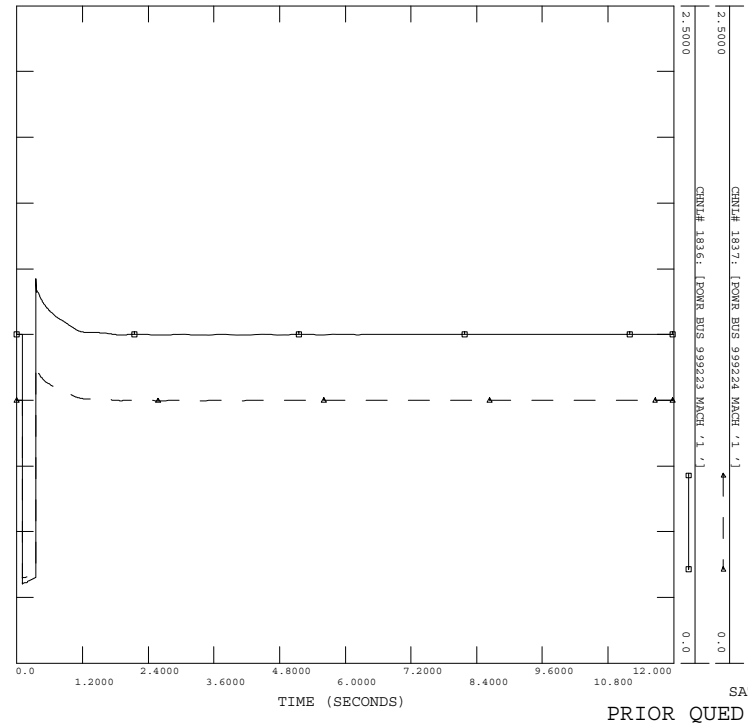
Three phase stuck breaker fault on the Osage Creek-Eureka Springs 161 kV line.

- a) Apply 3 Phase Fault at Osage Creek 161 kV bus
- b) Clear fault after 6 cycles by tripping Osage Creek - EurekaSprings 161 kV line
- c) Apply 3 Phase Fault at Osage Creek 161 kV bus
- d) Clear fault after 9 cycles by tripping Osage Creek - PID223 POI 161 kV and Osage Creek - PID260 tap 161 kV lines.

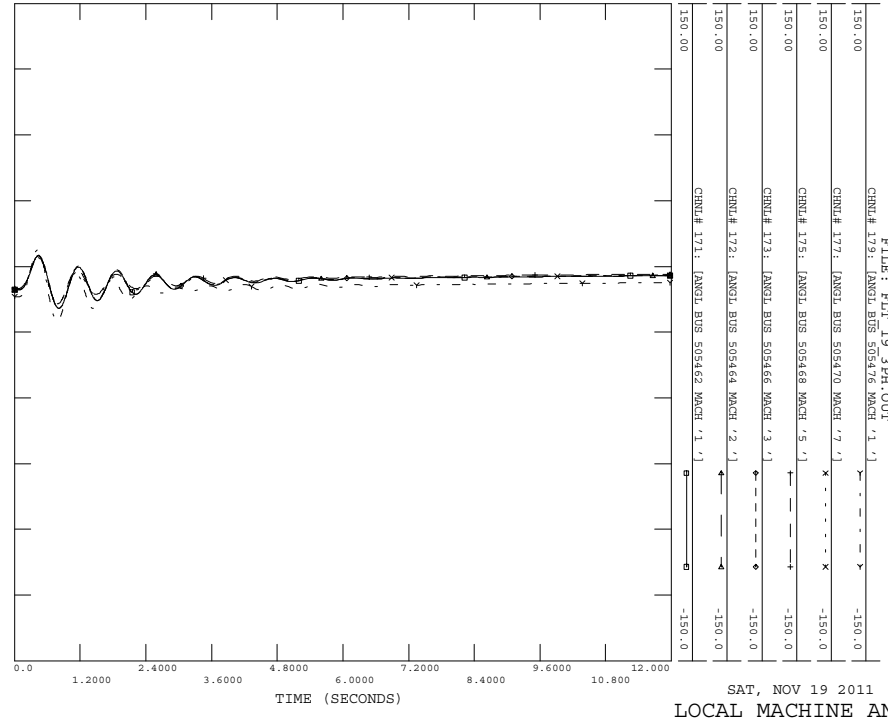
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_19_3PH.OUT



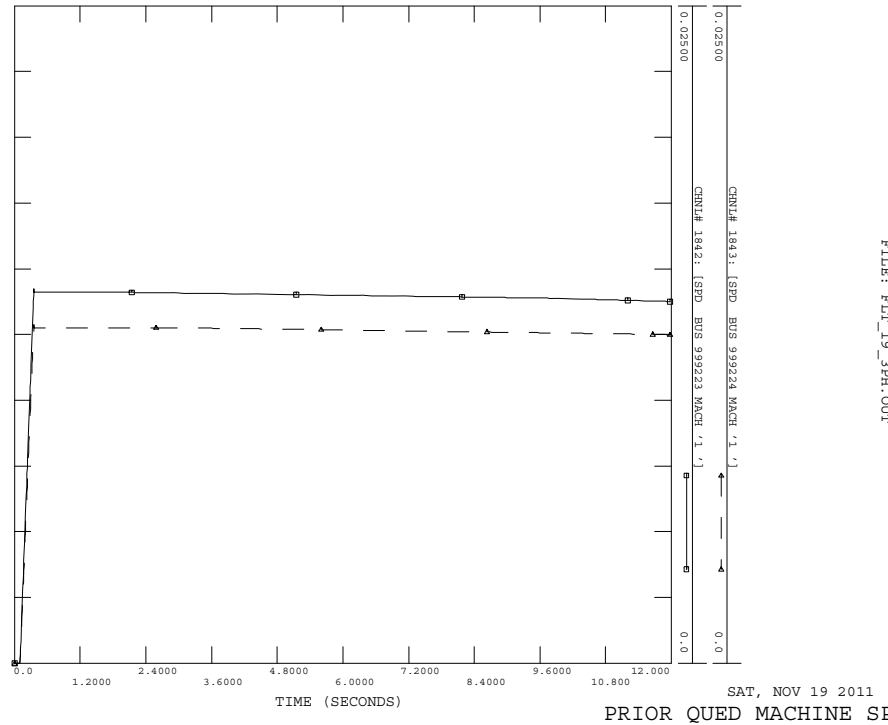
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_19_3PH.OUT

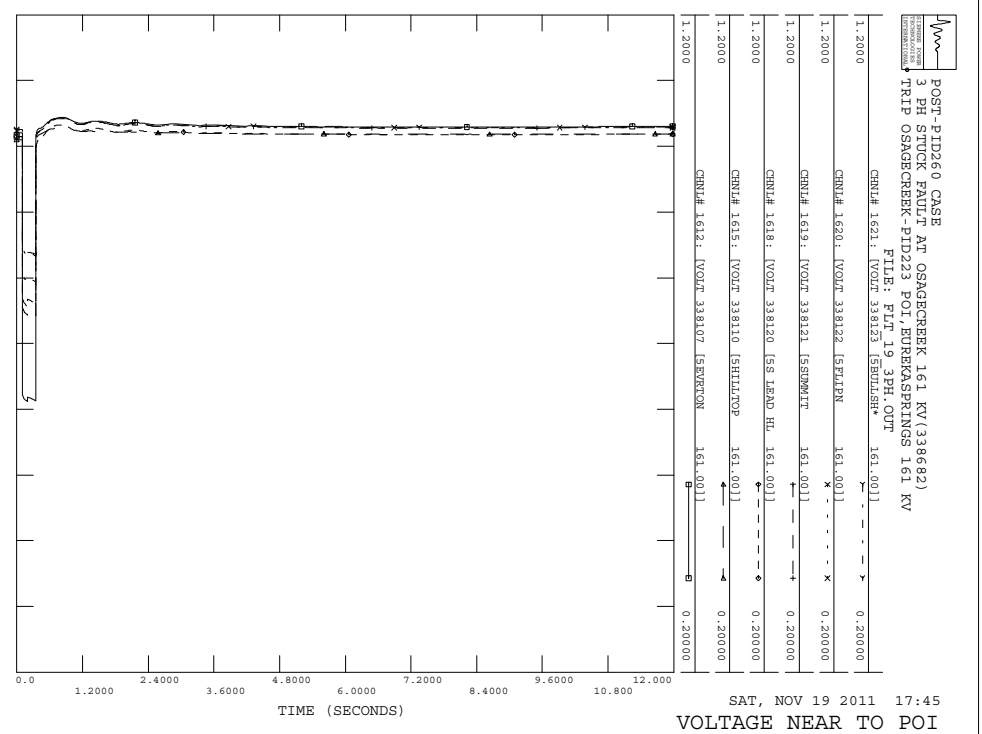
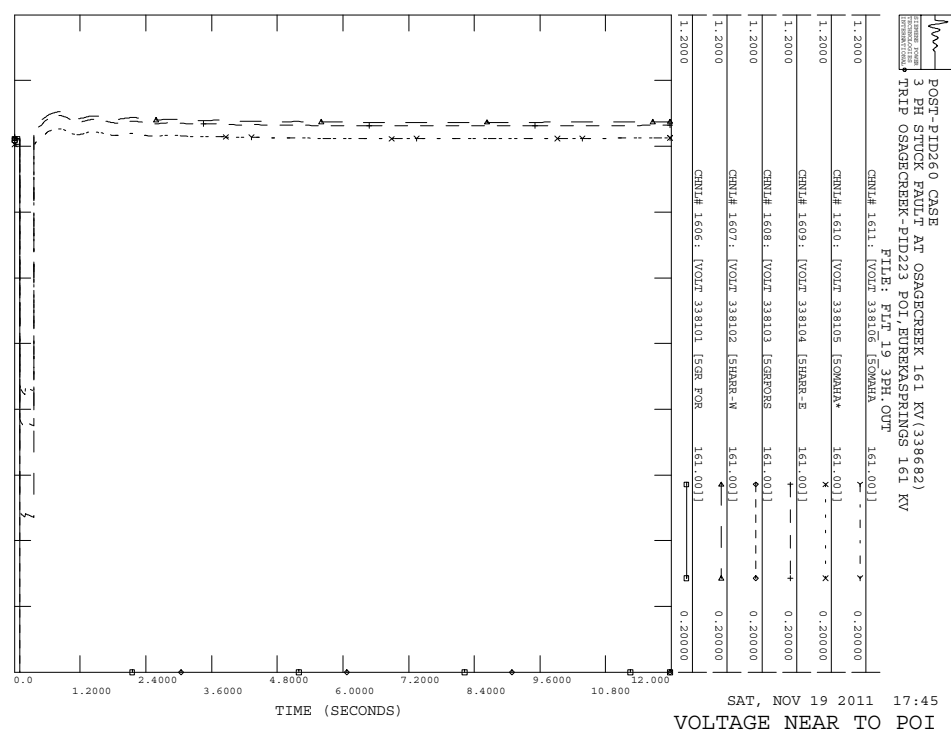
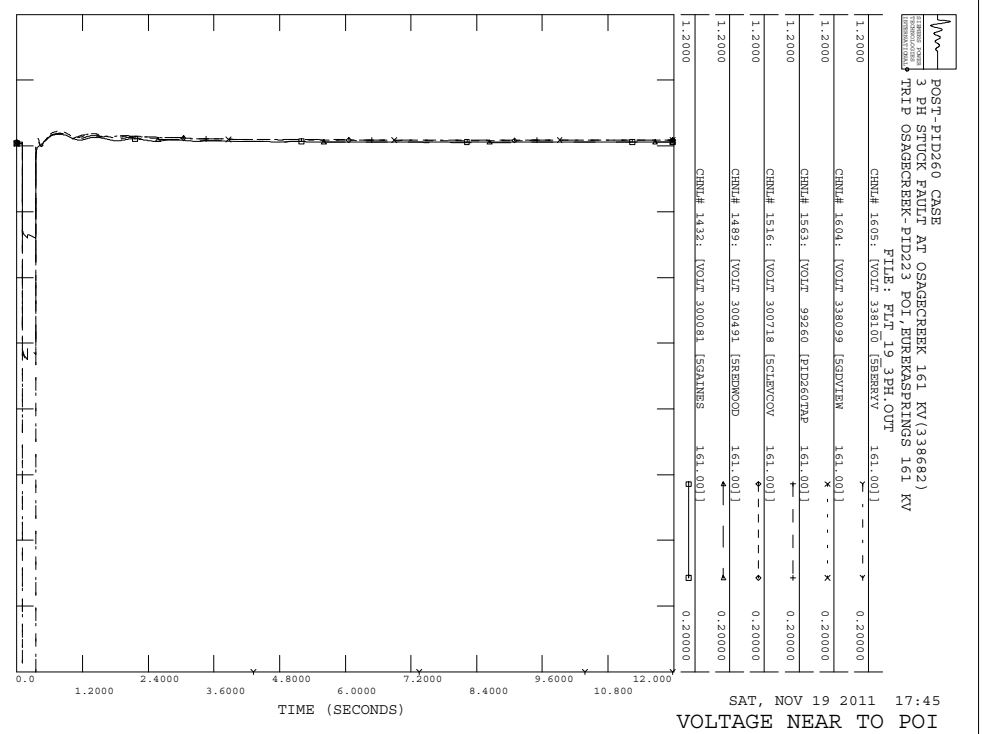
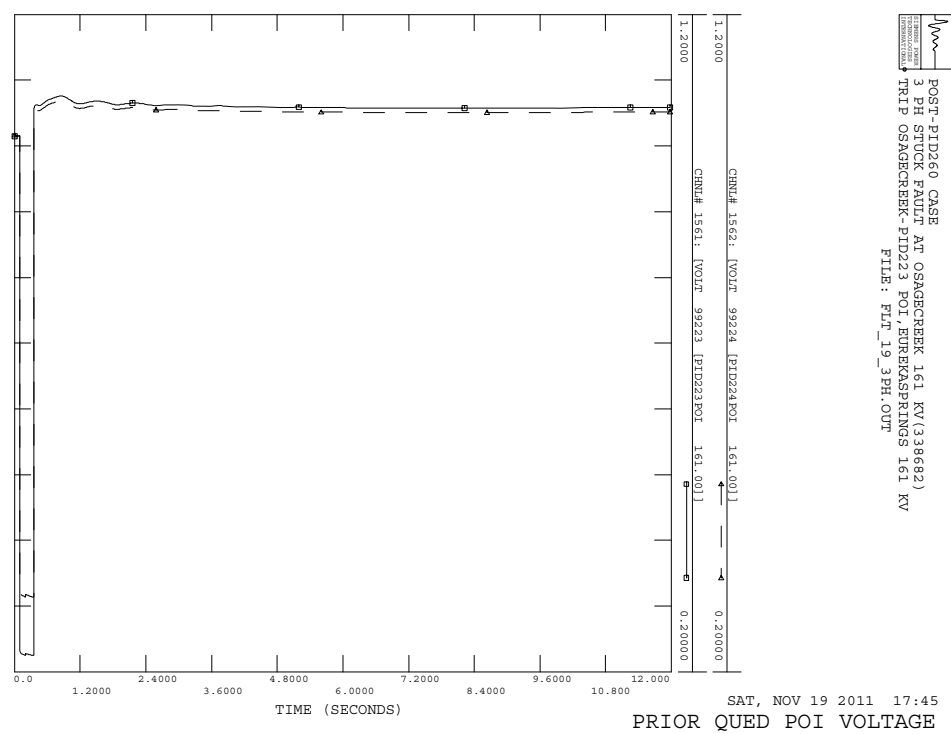


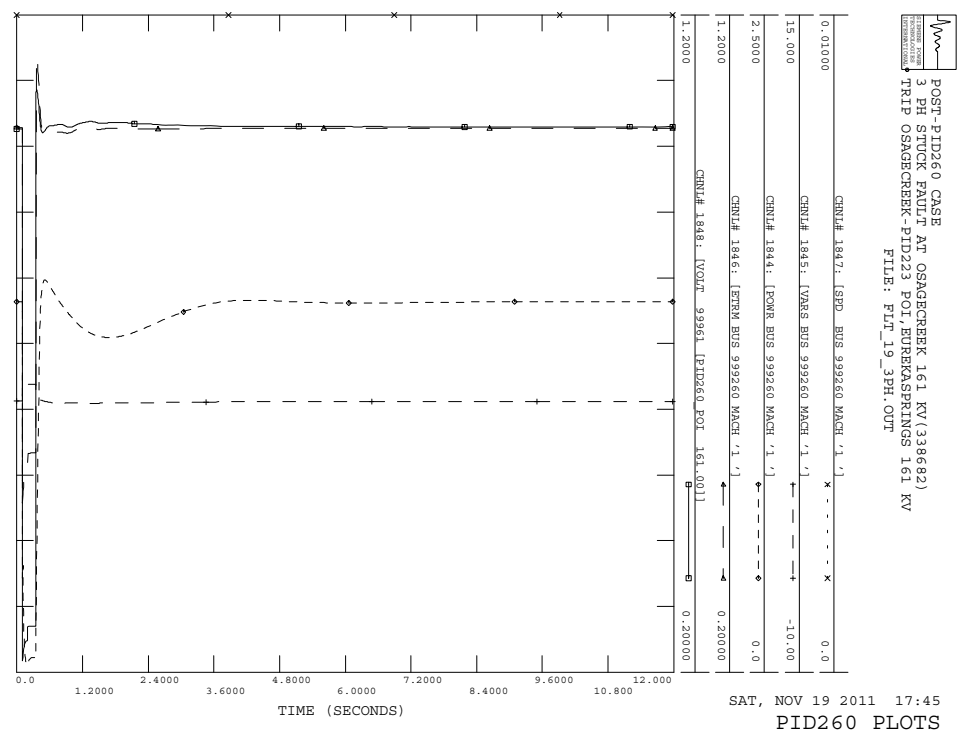
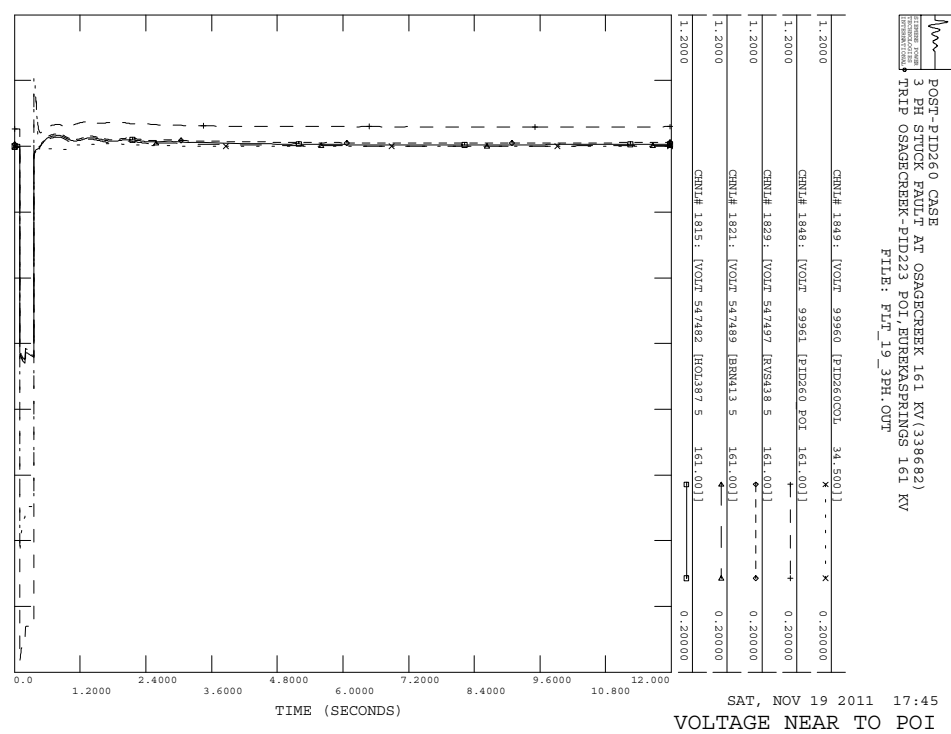
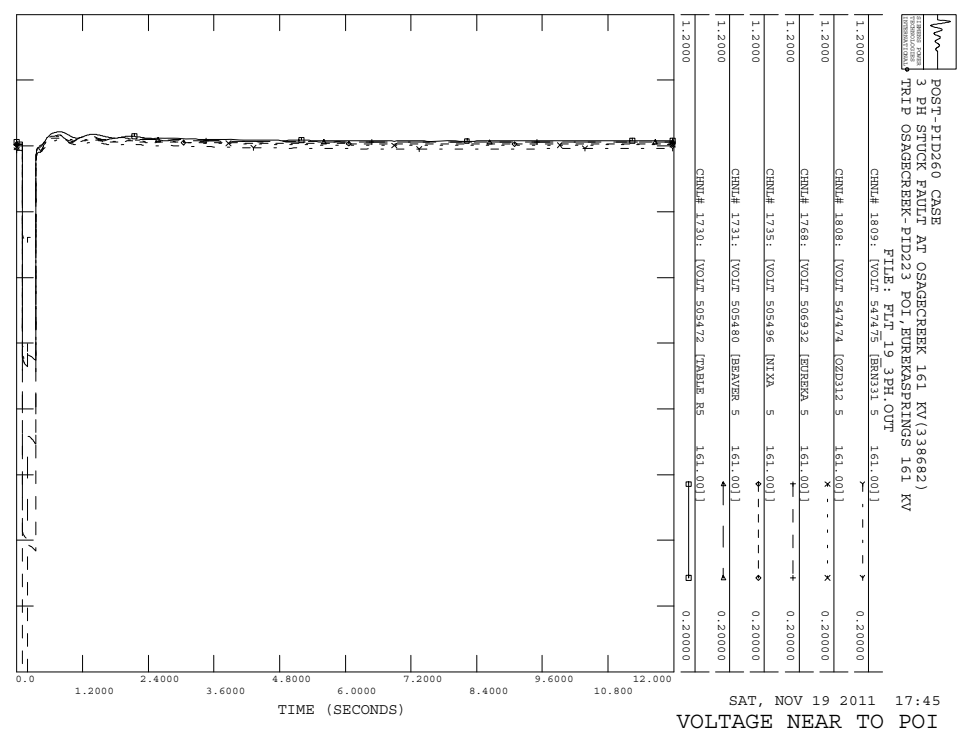
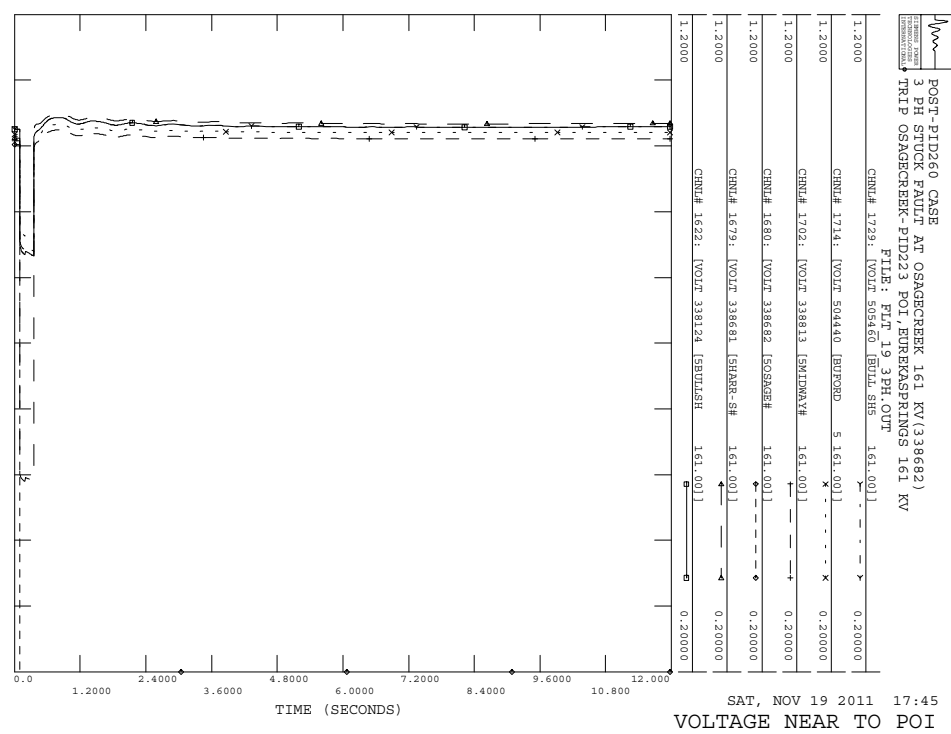
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_19_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_19_3PH.OUT





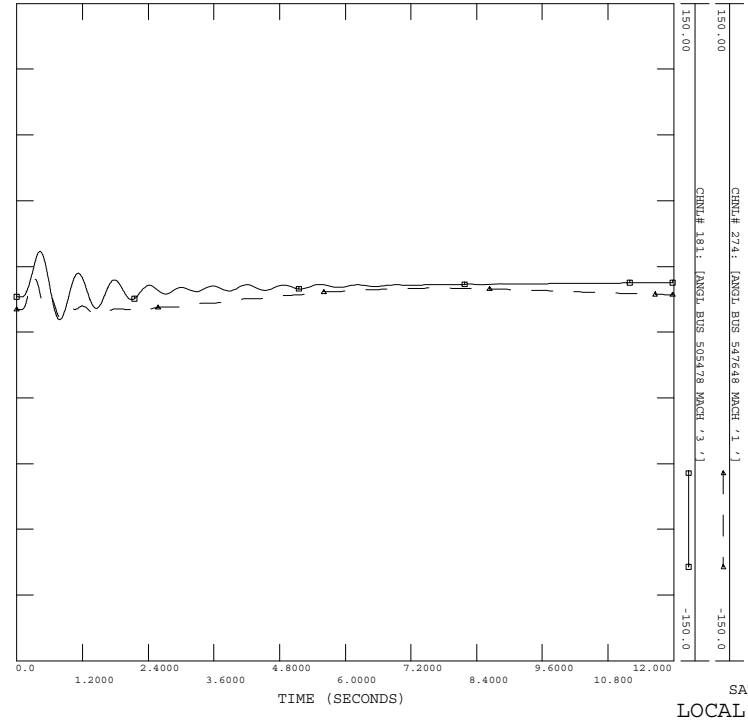


C.24 FLT_20_3PH

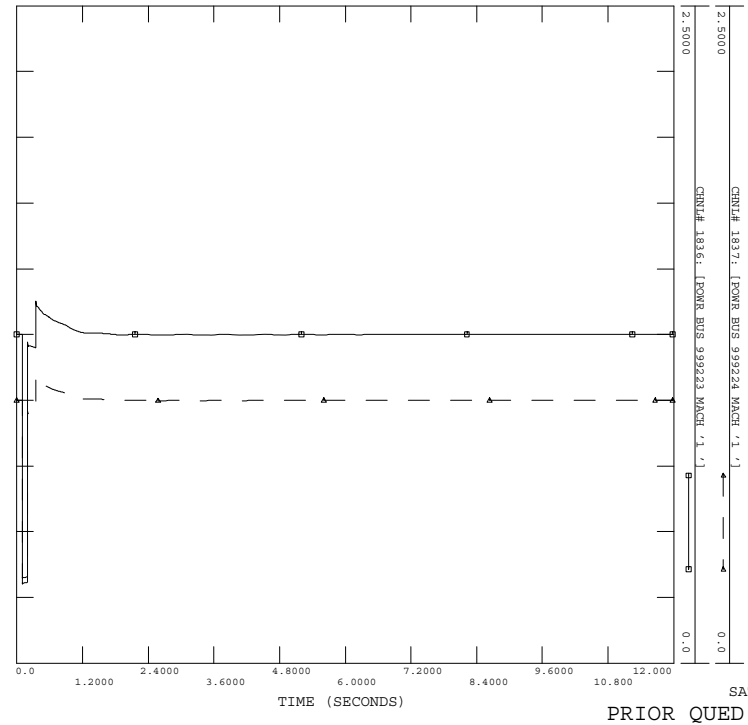
Three phase stuck breaker fault on the Osage Creek-PID223 POI 161 kV line.

- a) Apply 3 Phase Fault at Osage Creek 161 kV bus
- b) Clear fault after 6 cycles by tripping Osage Creek-PID223 POI 161 kV line
- c) Apply 3 Phase Fault at Osage Creek 161 kV bus
- d) Clear fault after 9 cycles by tripping Osage Creek - EurekaSprings 161 kV and Osage Creek - PID260 tap 161 kV lines.

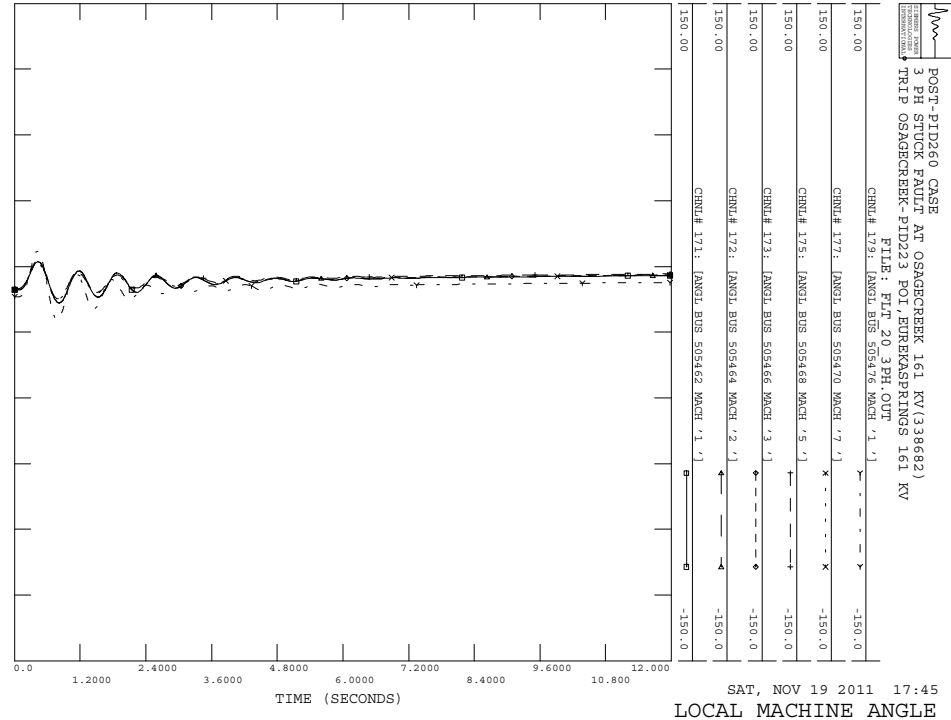
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_20_3PH.OUT



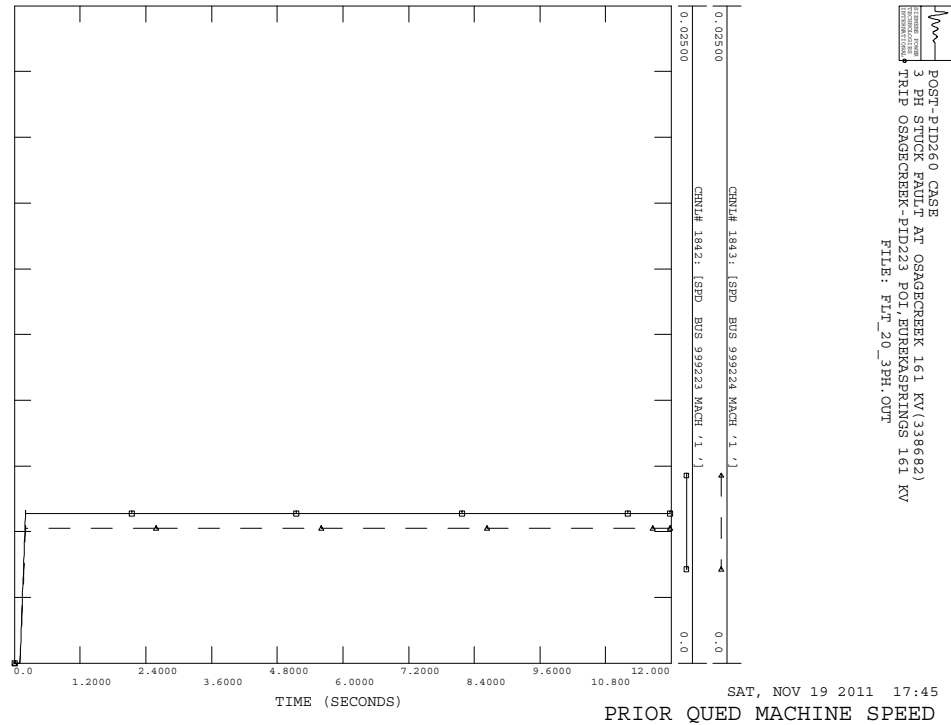
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_20_3PH.OUT

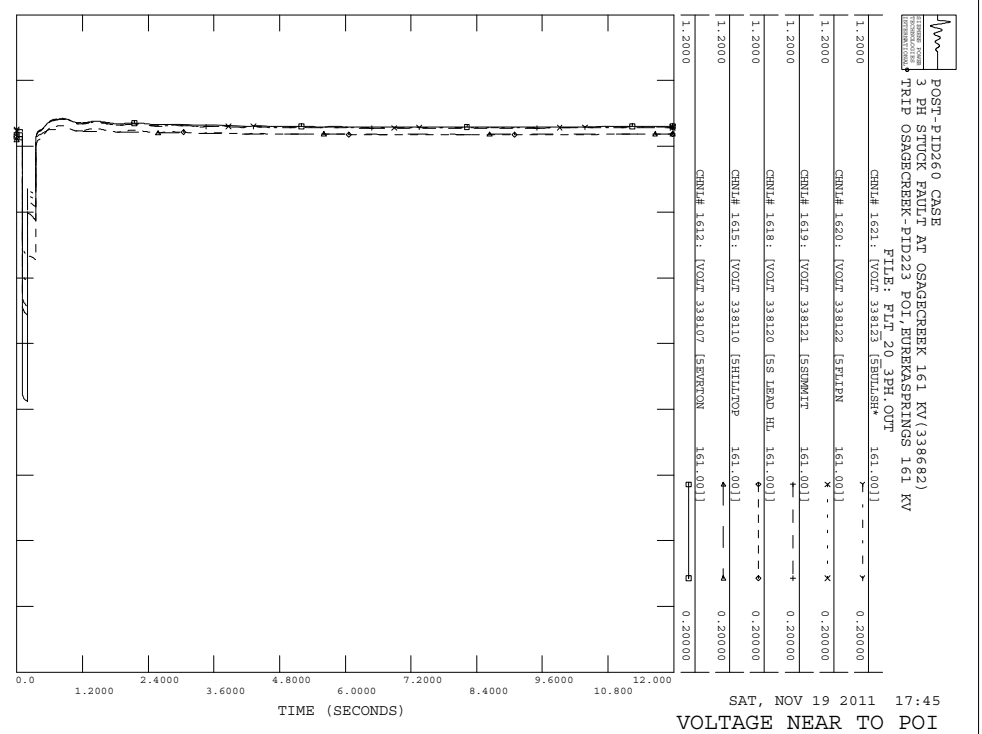
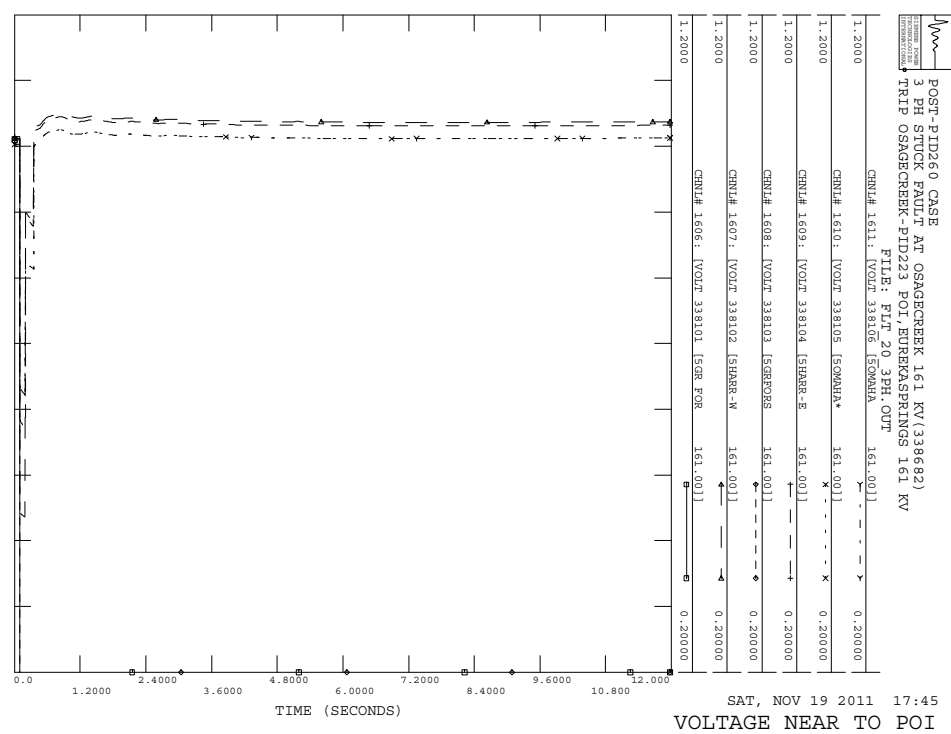
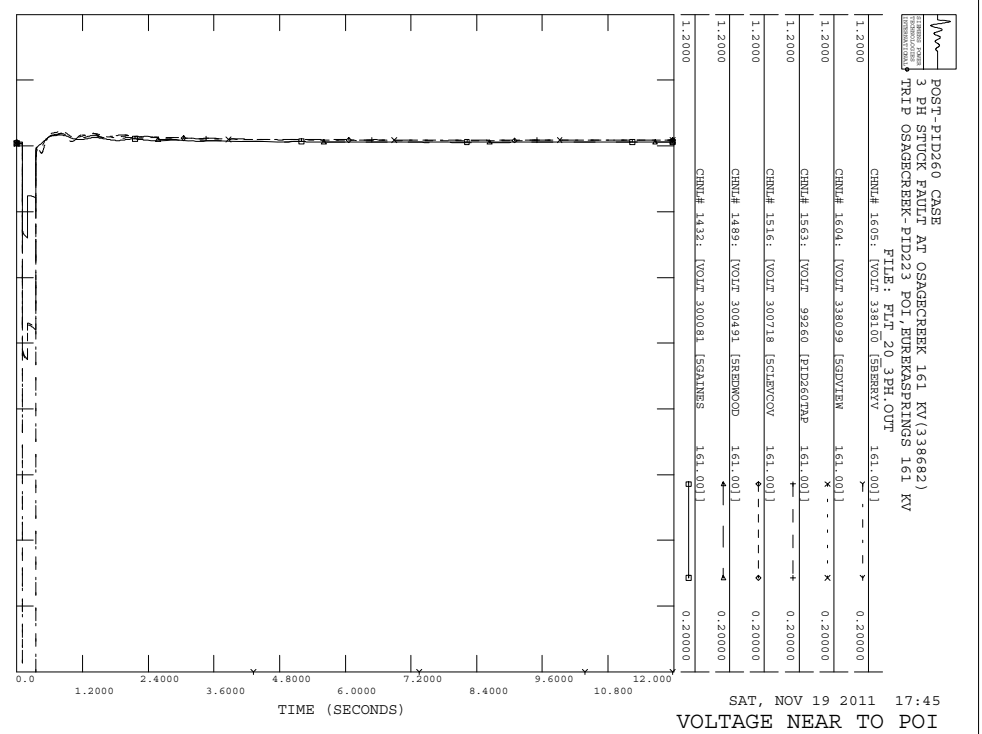
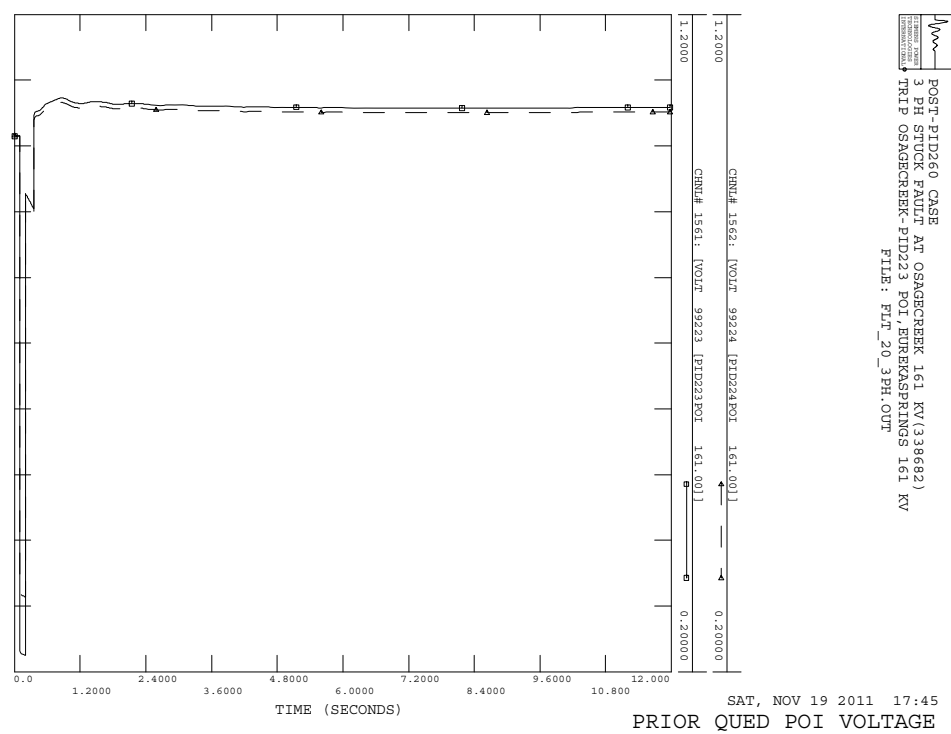


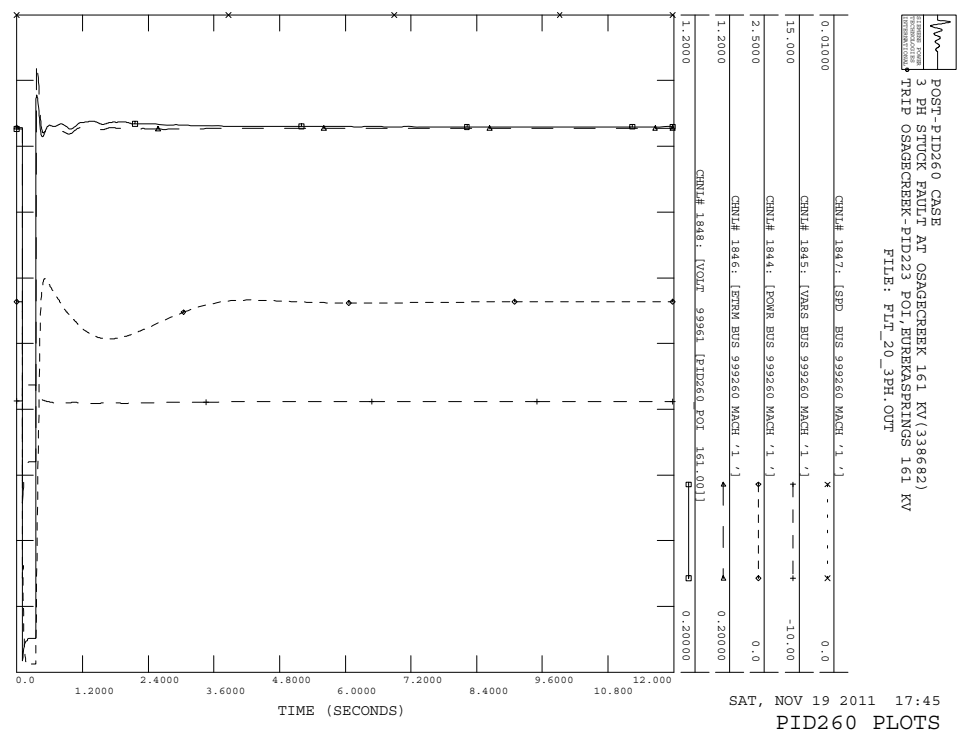
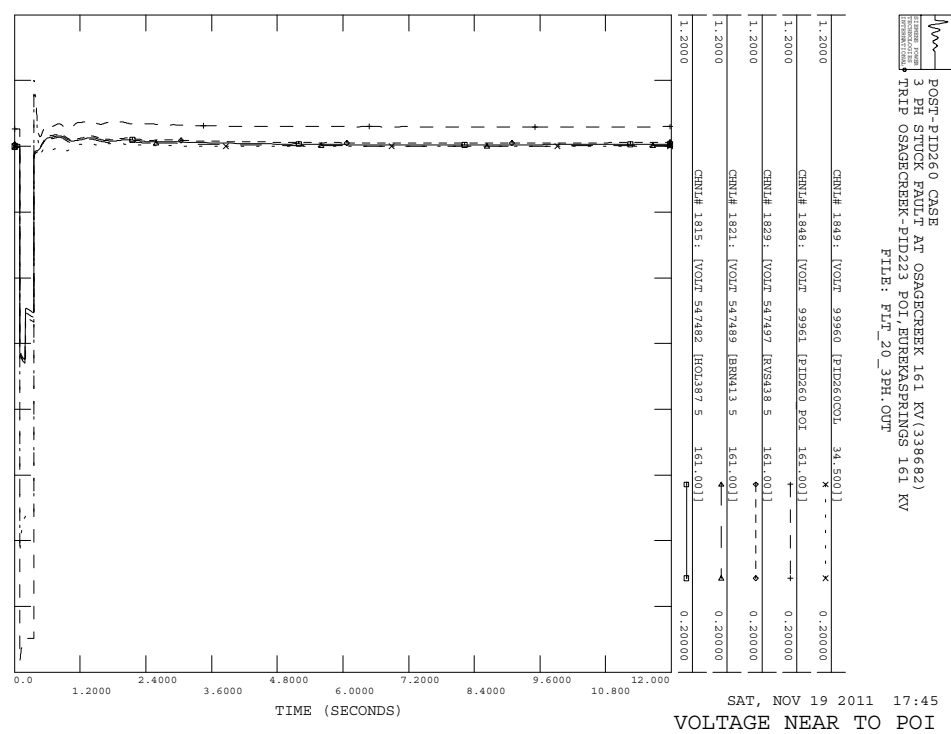
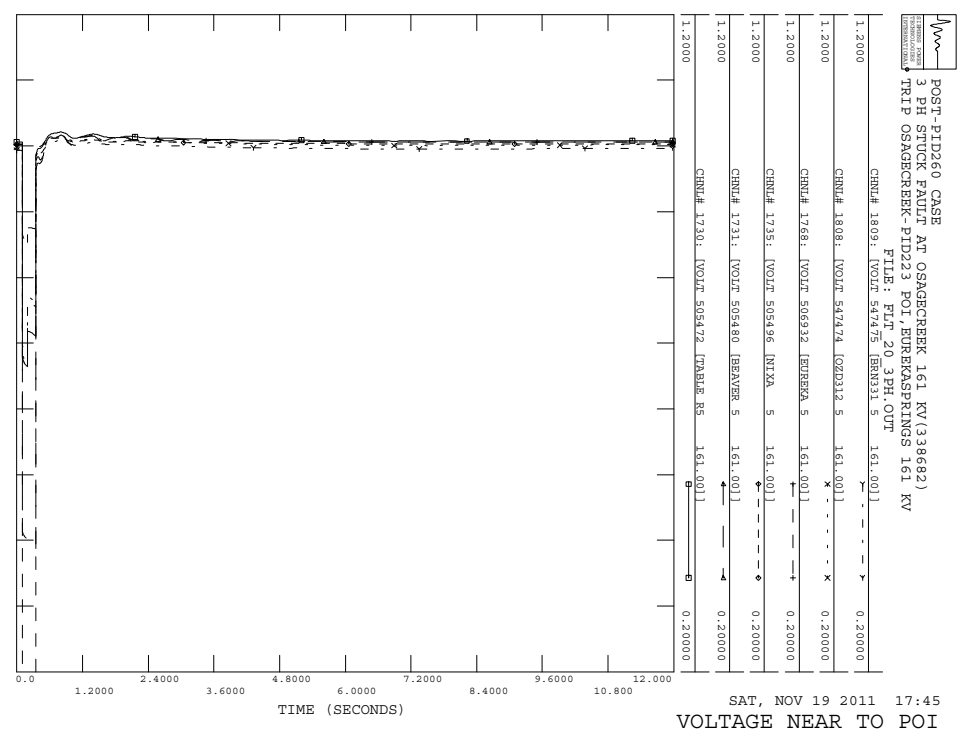
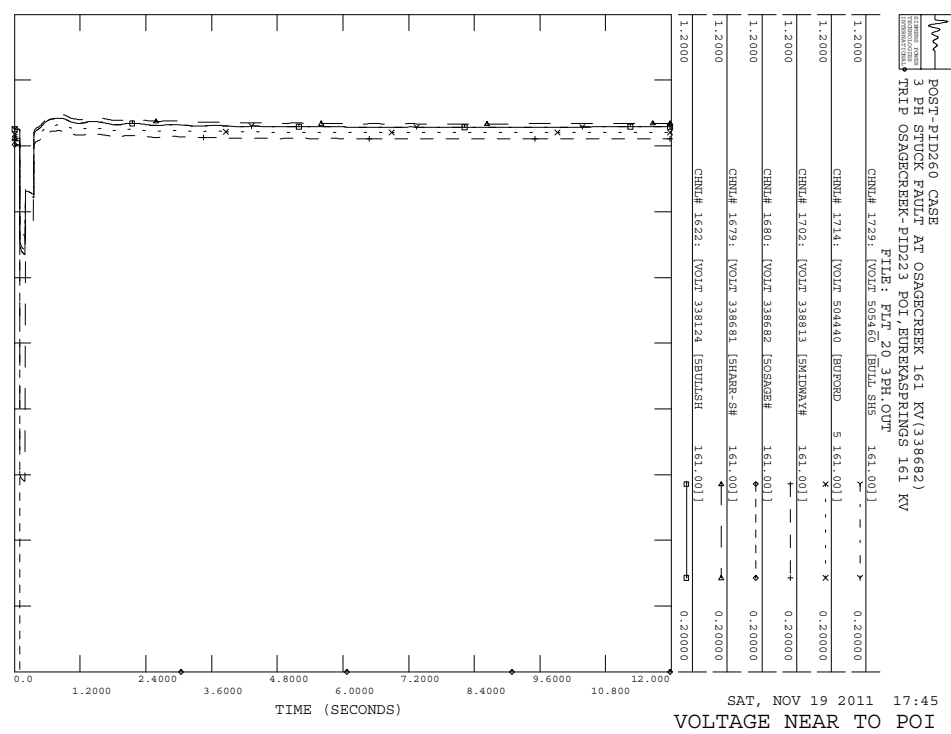
POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_20_3PH.OUT



POST-PTD260 CASE
 3 PH STUCK FAULT AT OSAGECREEK 161 KV(338682)
 TRIP OSAGECREEK-PTD223 FOI, BURKASPPRINGS 161 KV
 FILE: FLT_20_3PH.OUT





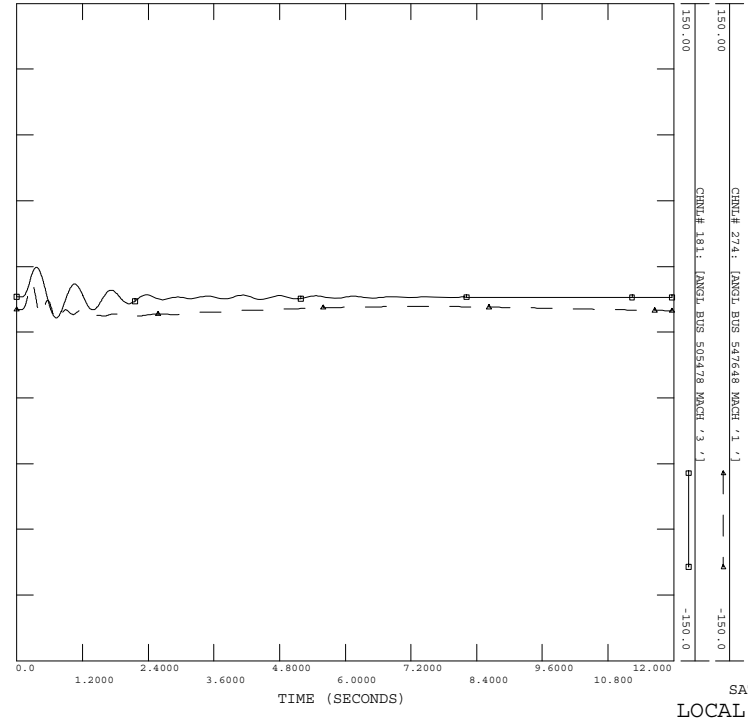


C.25 FLT_1_3PH-LVRT

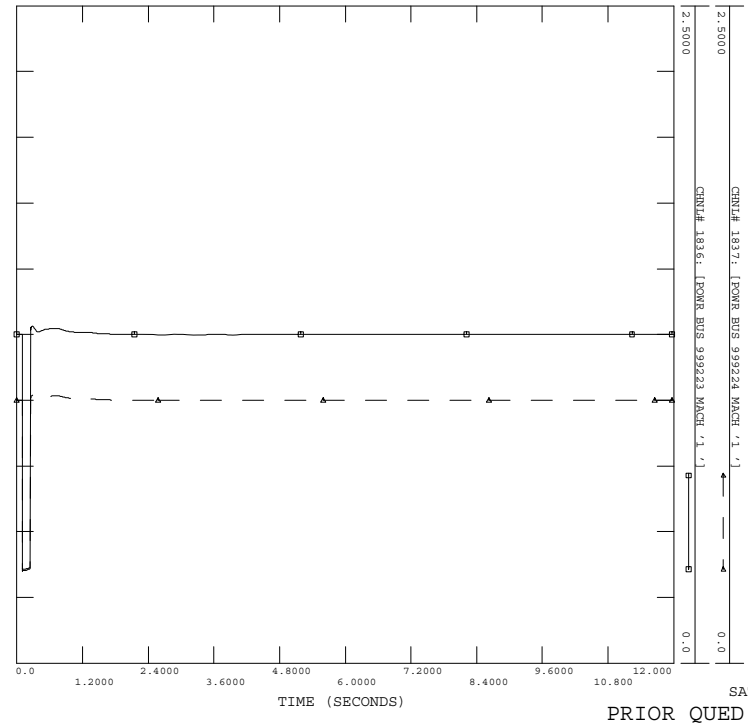
Three phase fault on the PID 260 TAP - Grandview 161 kV line.

- a) Apply 3 Phase Fault at PID260 TAP 161 kV bus
- b) Clear fault after 9 cycles by tripping PID 260 TAP - Grandview 161 kV line

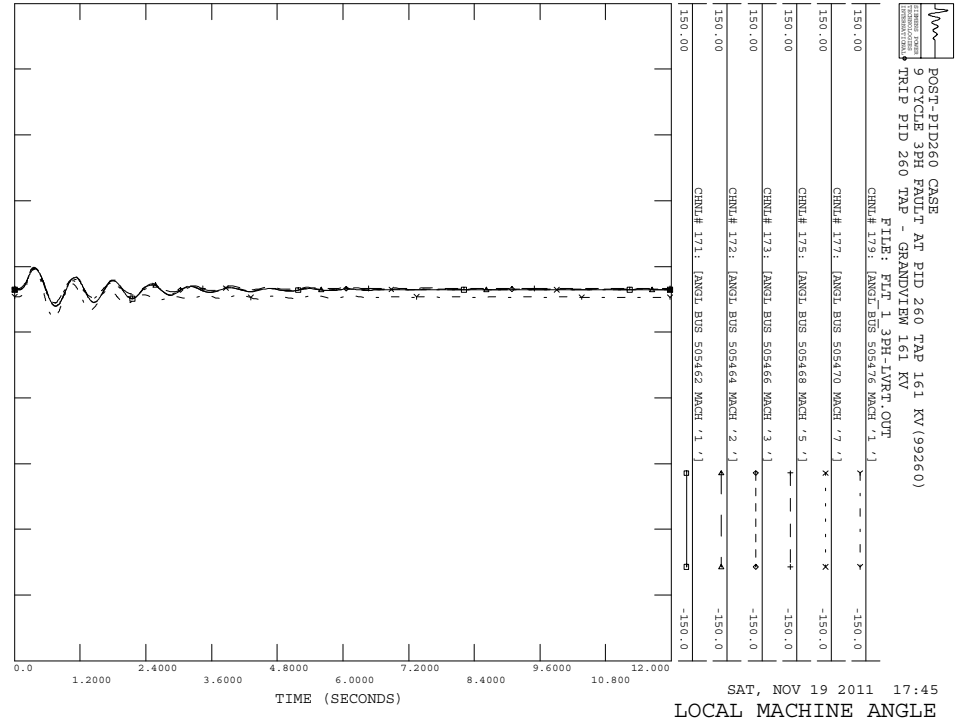
POST-PI260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH-LVRT.OUT



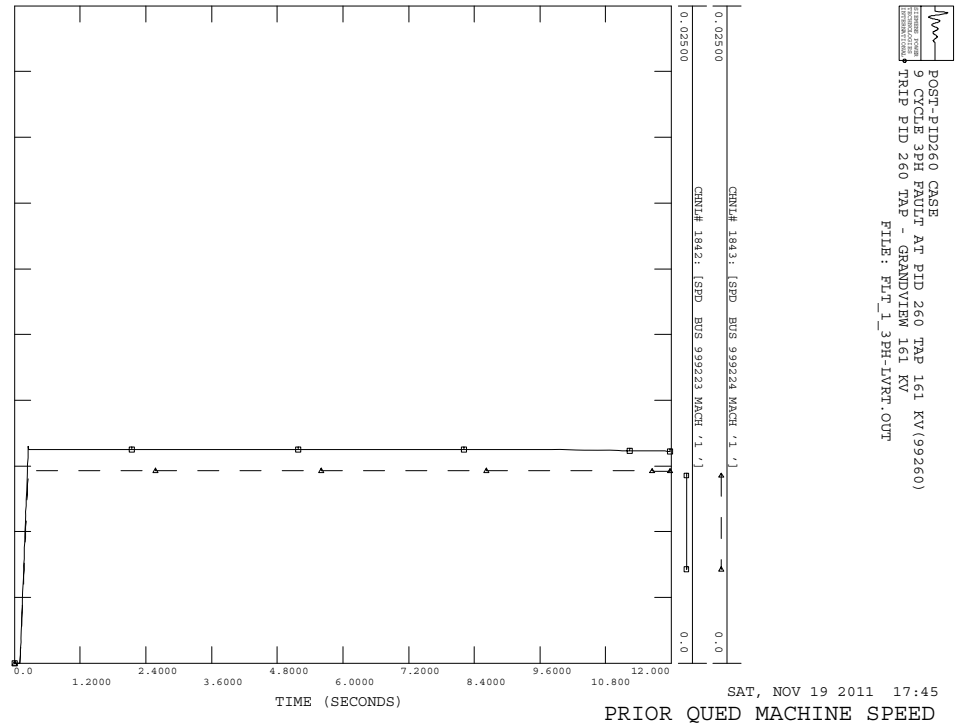
POST-PI260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH-LVRT.OUT

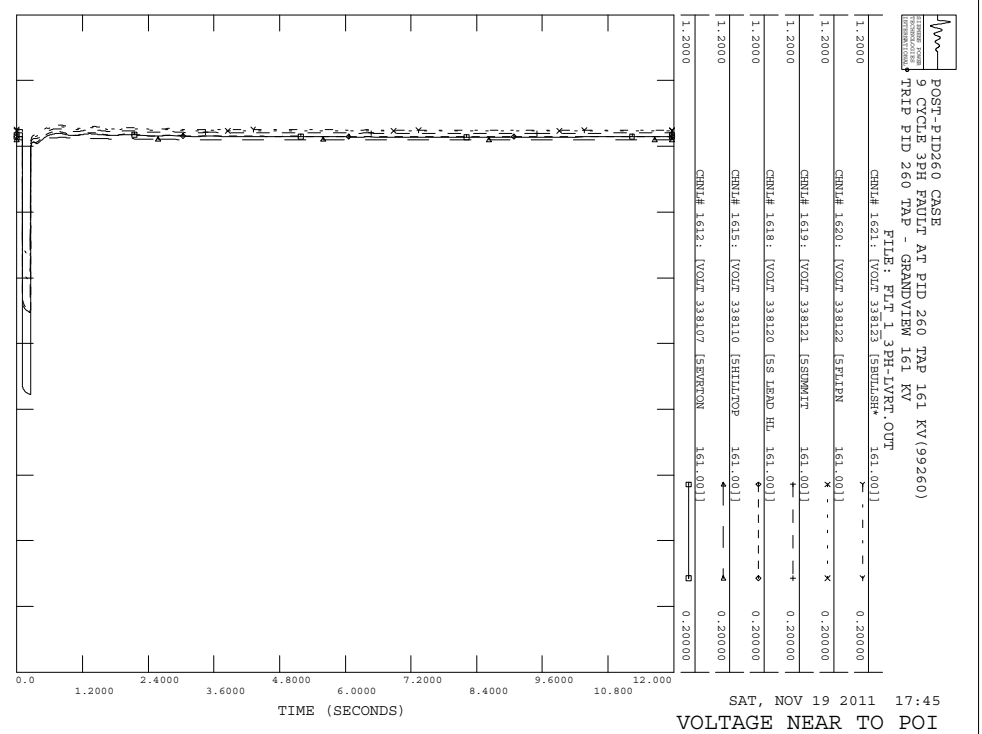
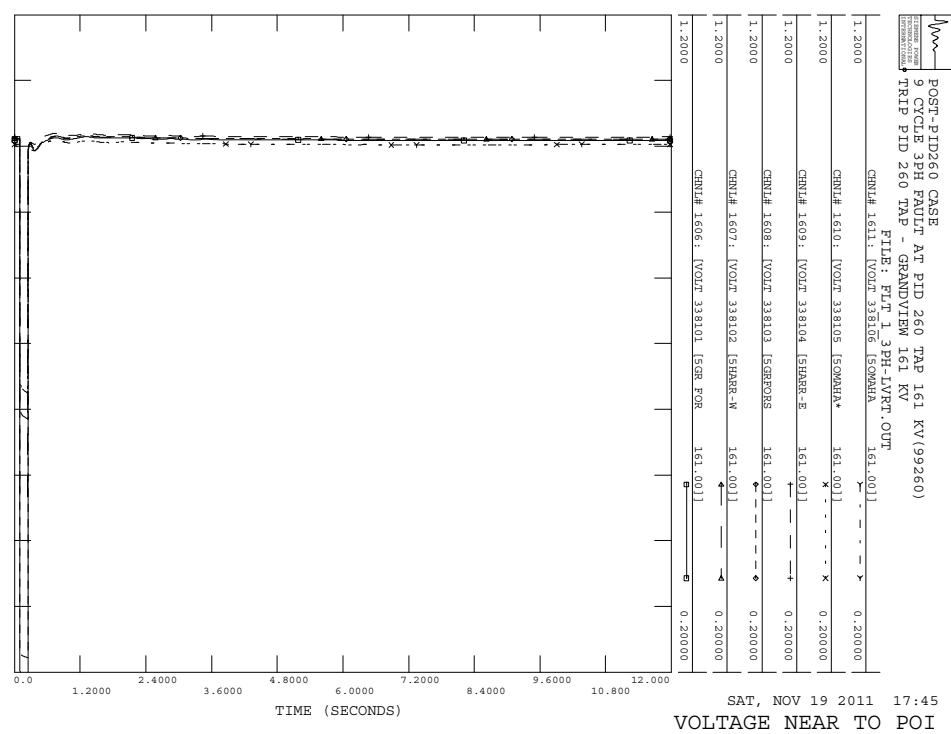
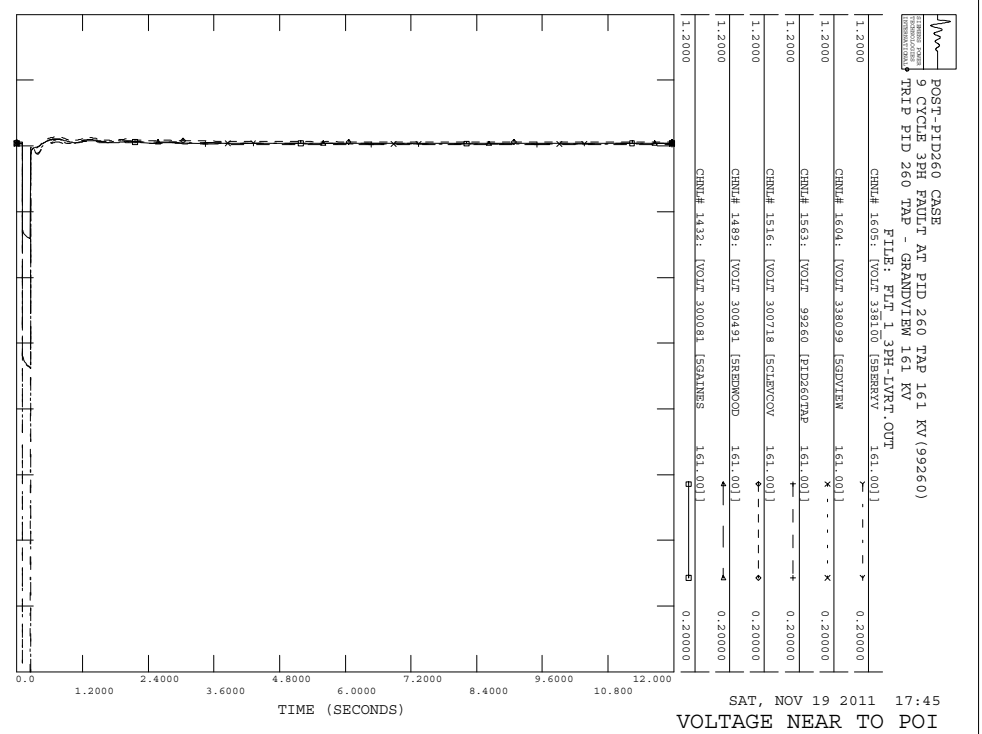
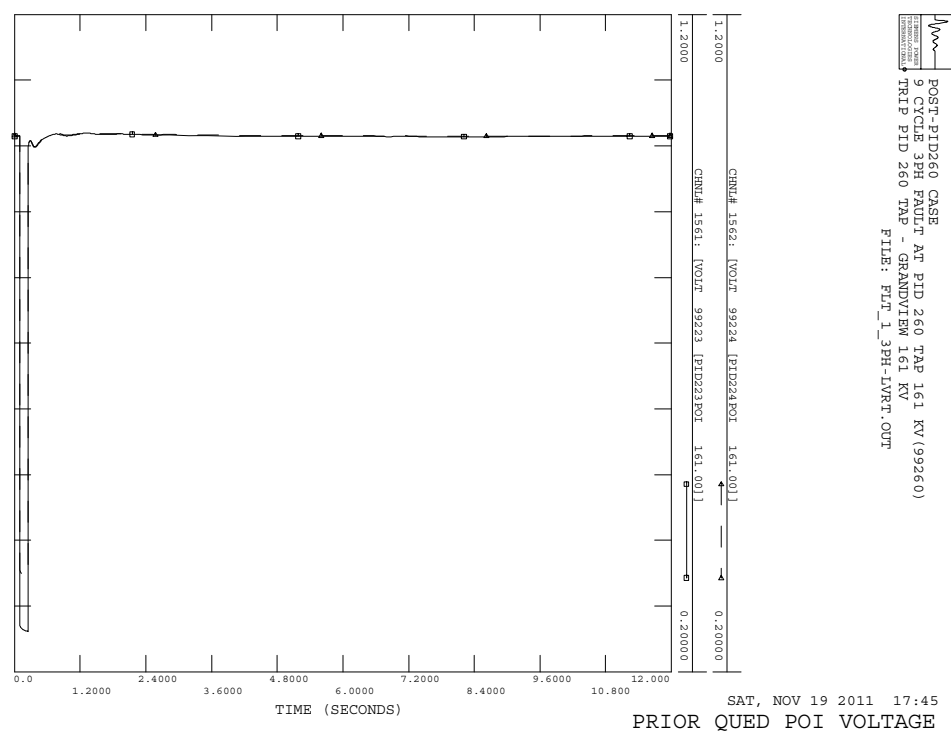


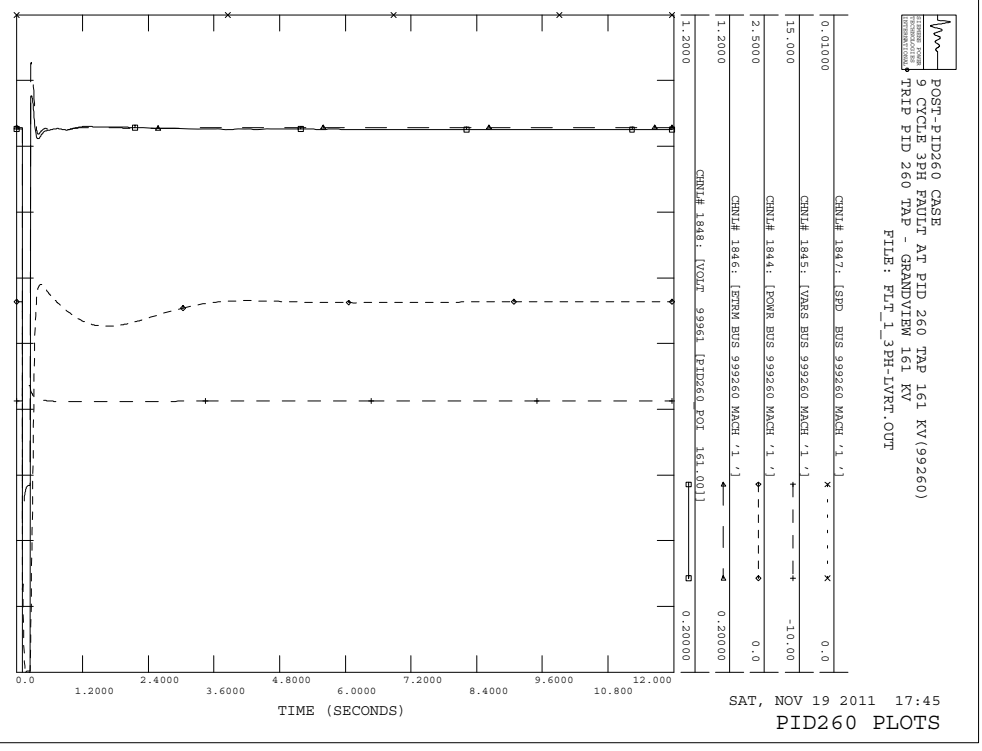
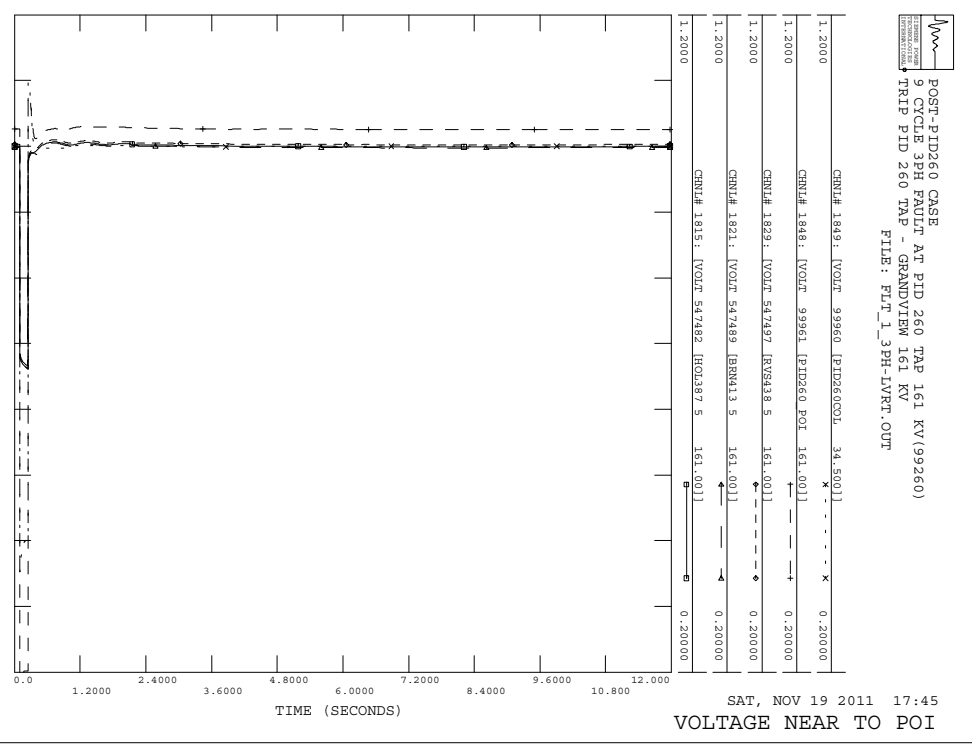
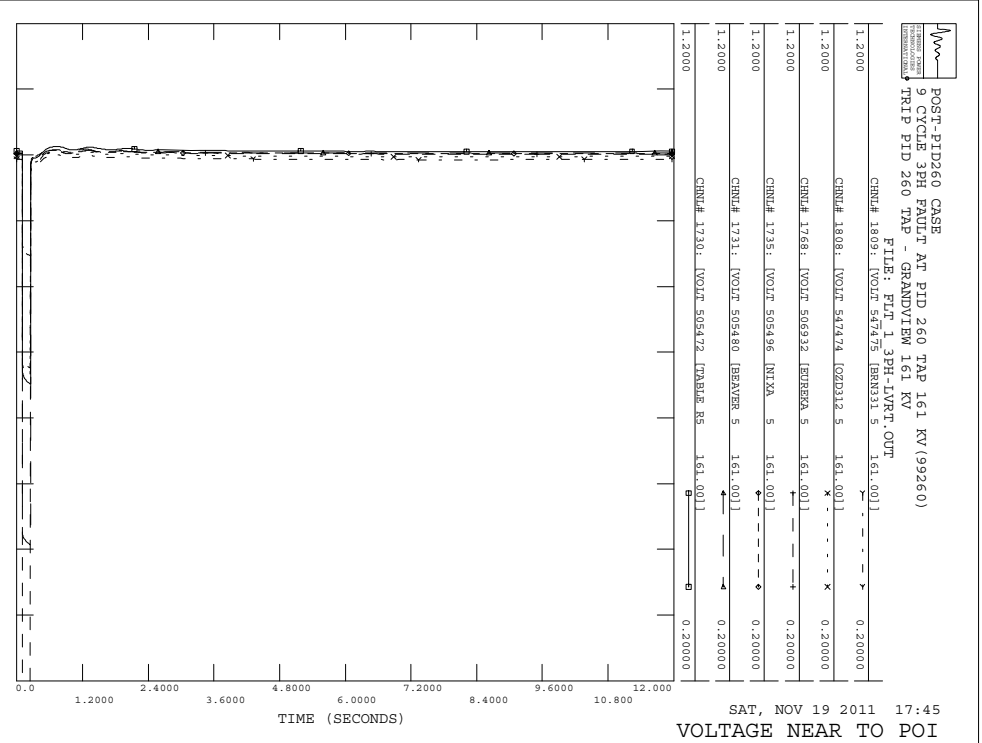
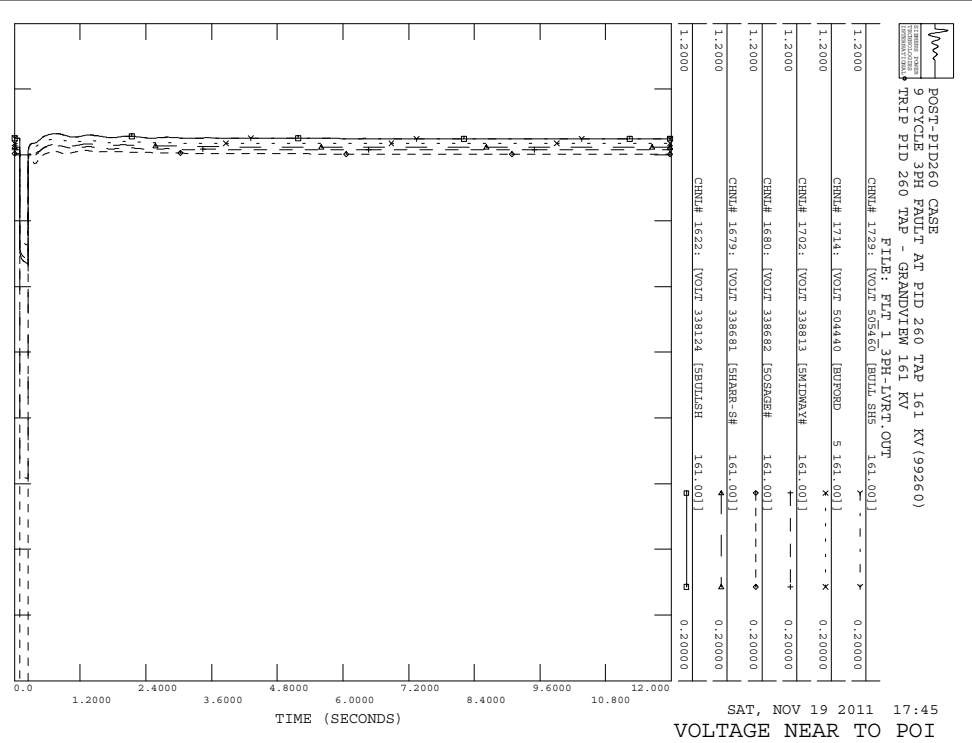
POST-PI260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH-LVRT.OUT



POST-PI260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - GRANDVIEW 161 KV
 FILE: FLT_1_3PH-LVRT.OUT





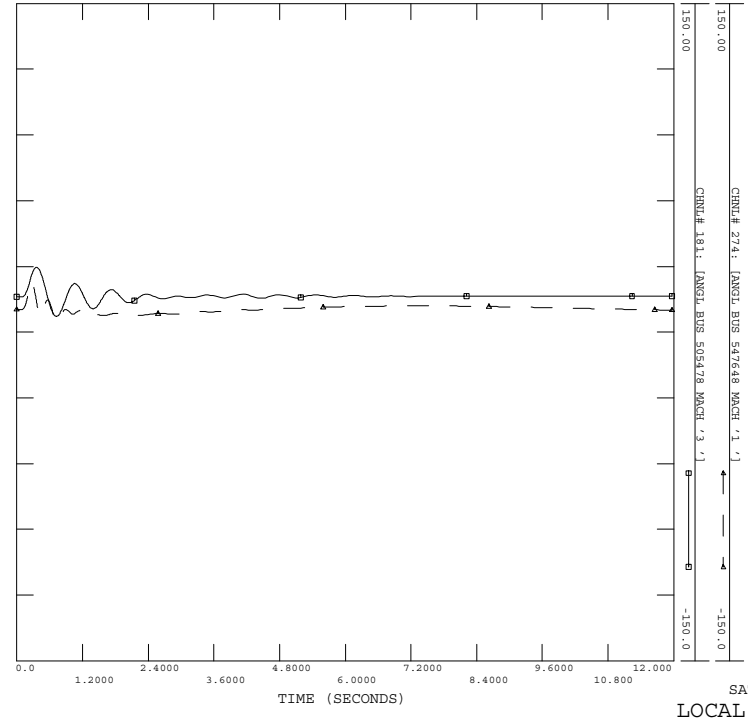


C.26 FLT_2_3PH-LVRT

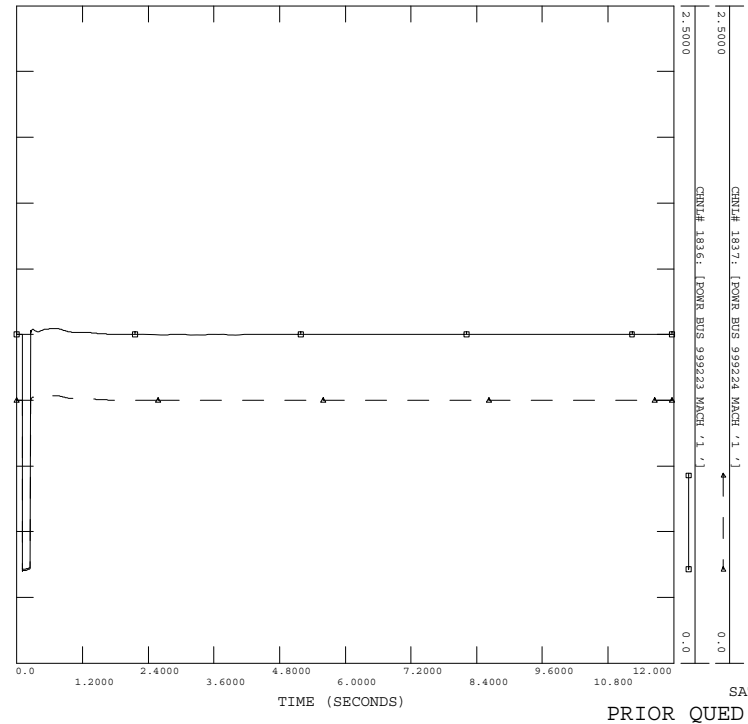
Three phase fault on the PID 260 TAP - OsageCreek 161 kV line.

- a) Apply 3 Phase Fault at PID260 TAP 161 kV bus
- b) Clear fault after 9 cycles by tripping PID 260 TAP - OsageCreek 161 kV line

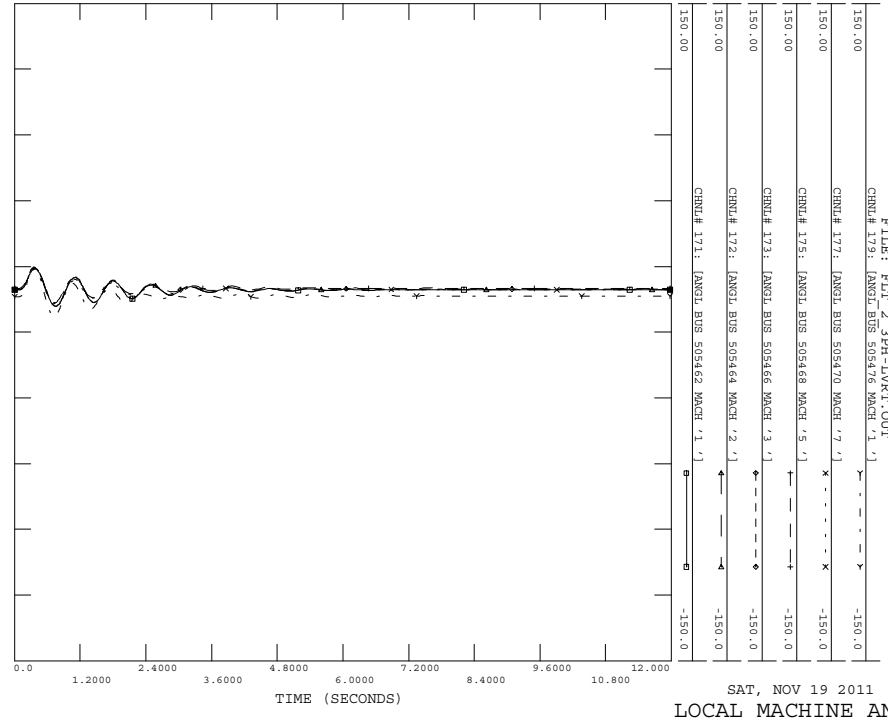
POST-PIID260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH-LVRT.OUT



POST-PIID260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH-LVRT.OUT



POST-PIID260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH-LVRT.OUT



POST-PIID260 CASE
 9 CYCLE 3PH FAULT AT PID 260 TAP 161 KV(99260)
 TRIP PID 260 TAP - OSAGECREEK 161 KV
 FILE: FLT_2_3PH-LVRT.OUT

