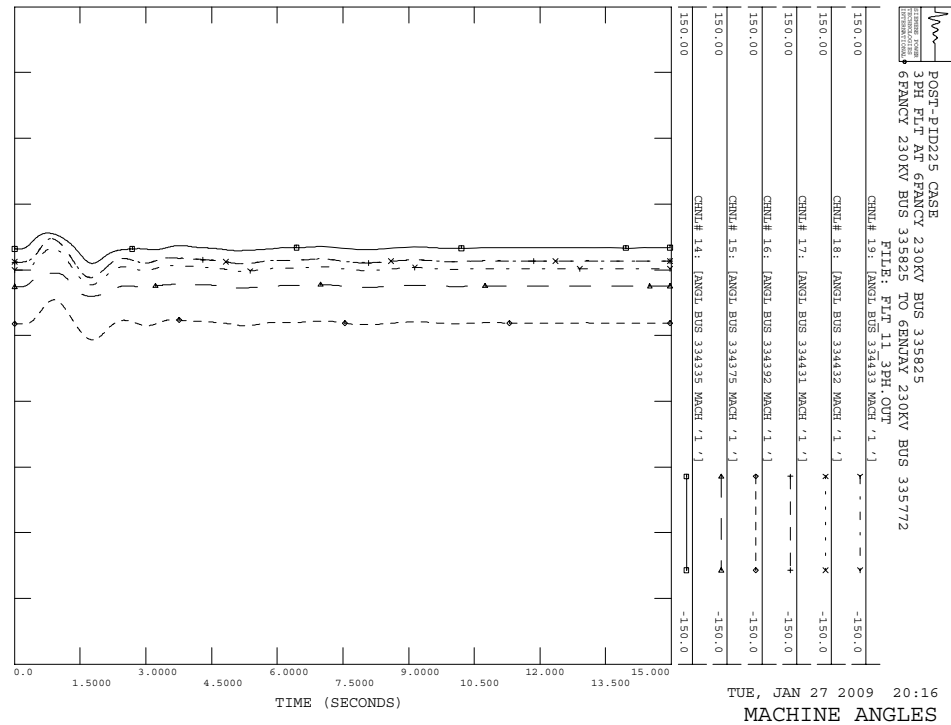
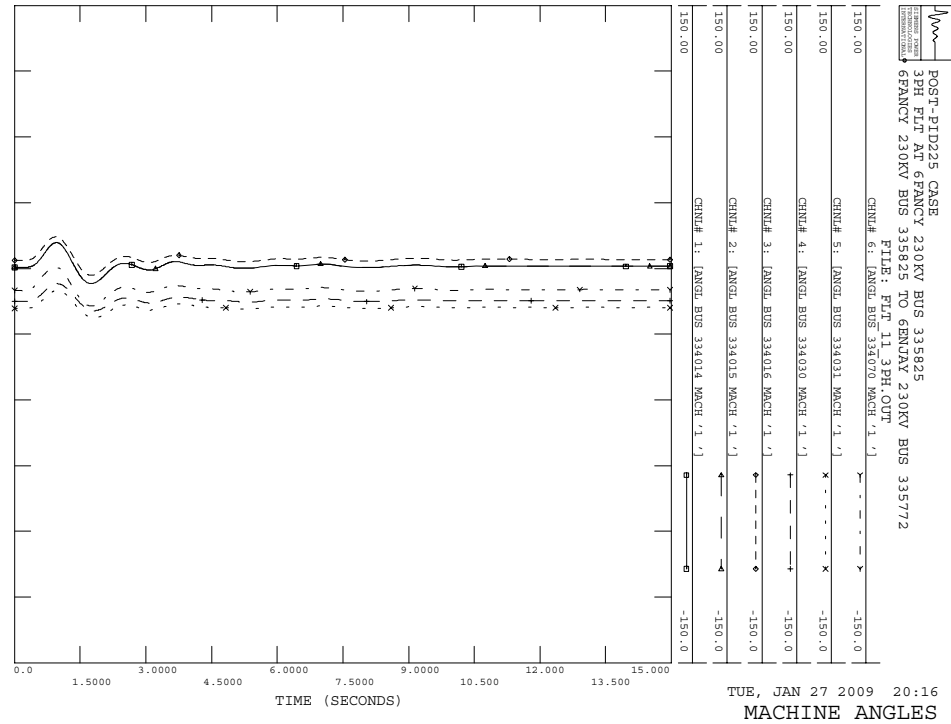
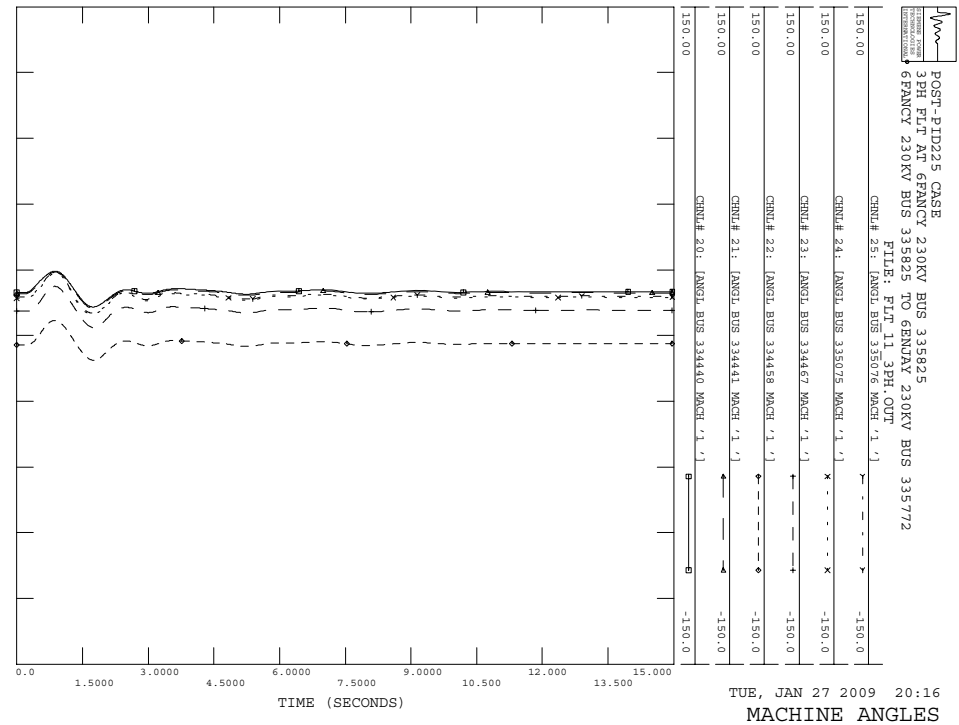
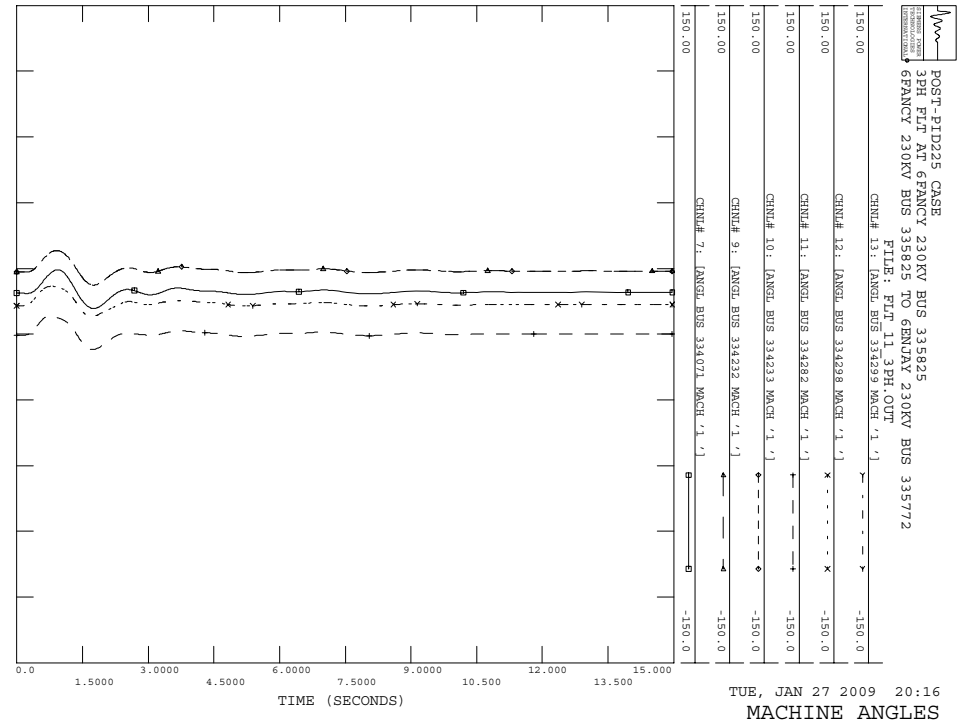
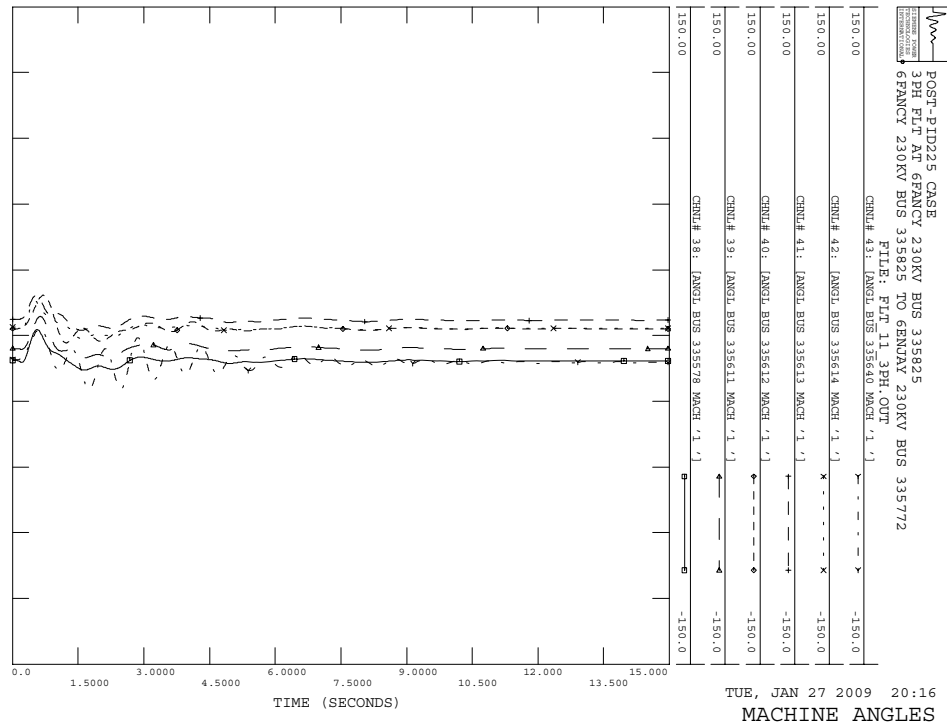
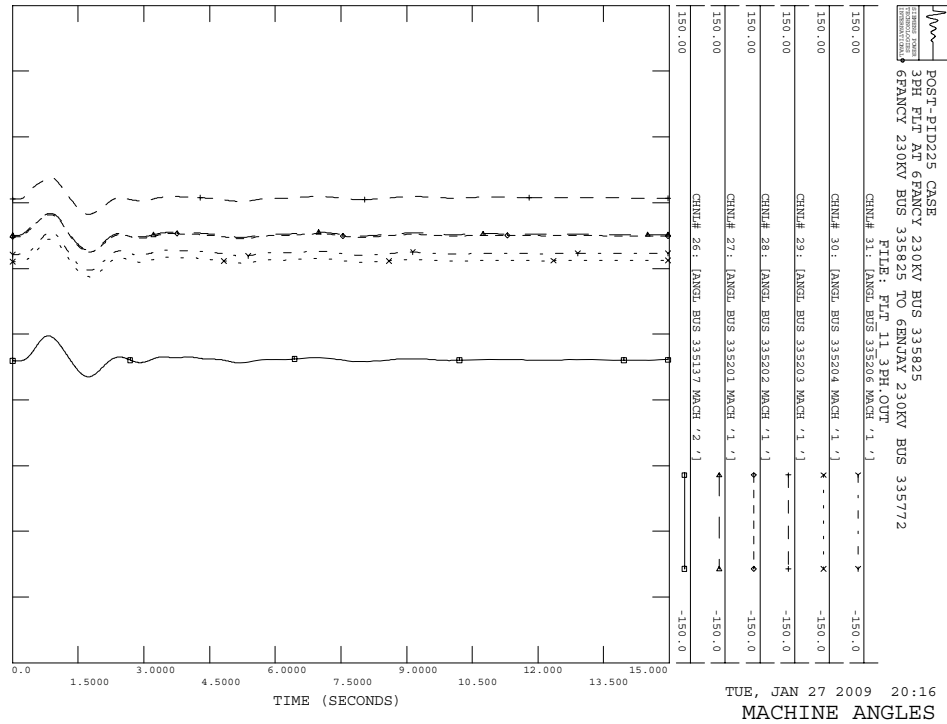
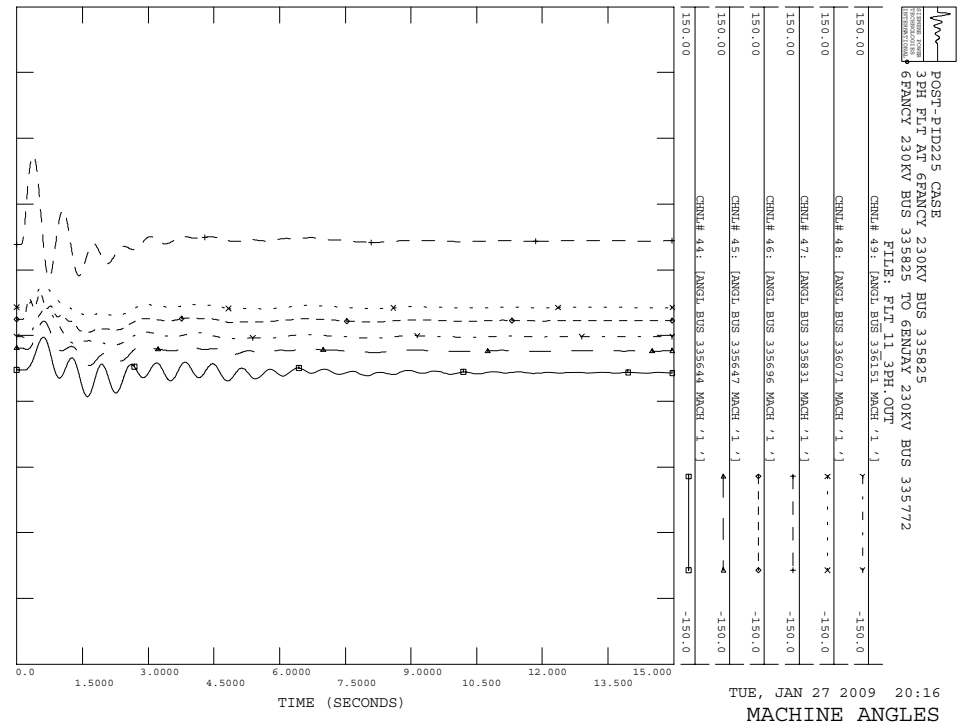
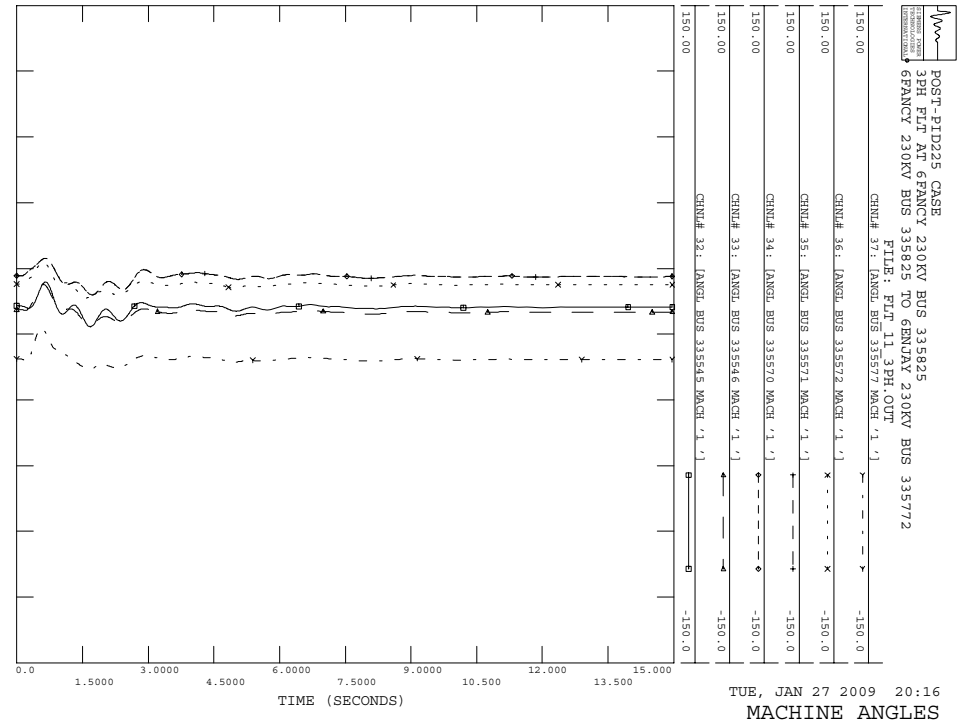


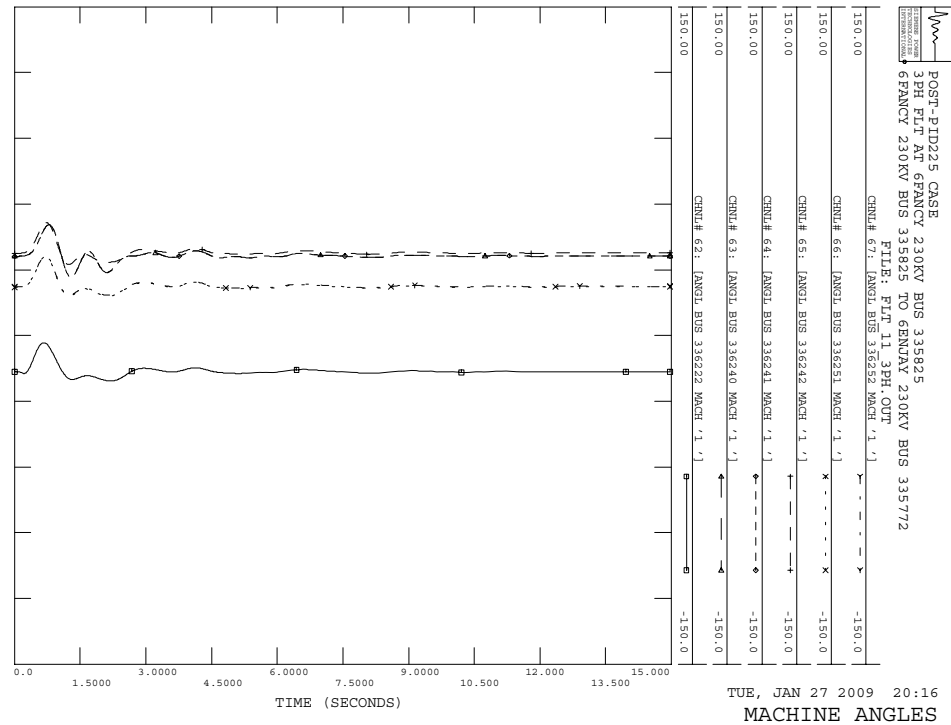
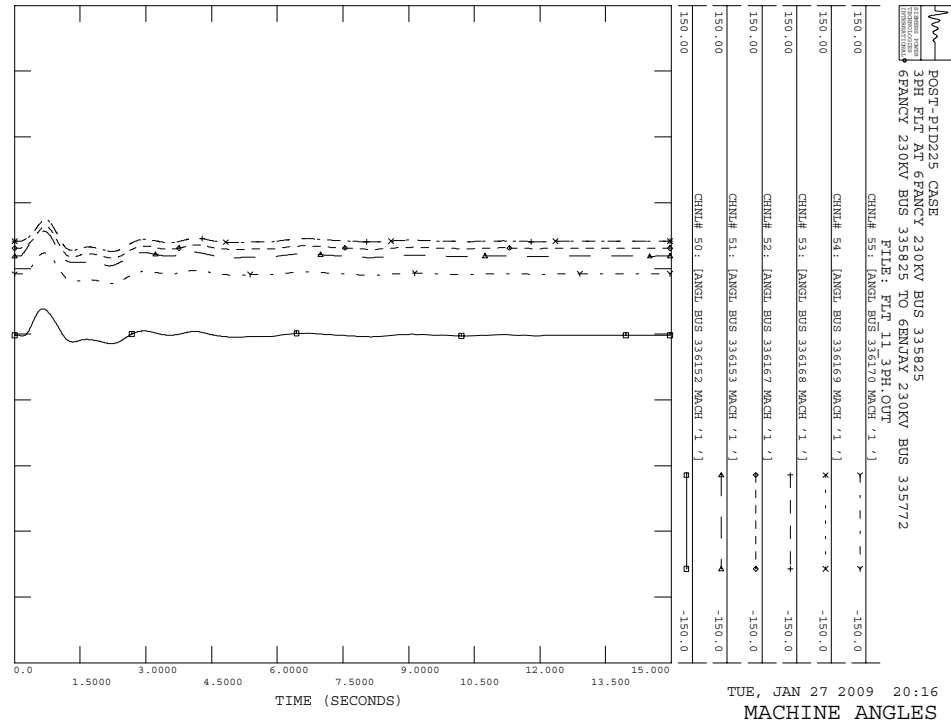
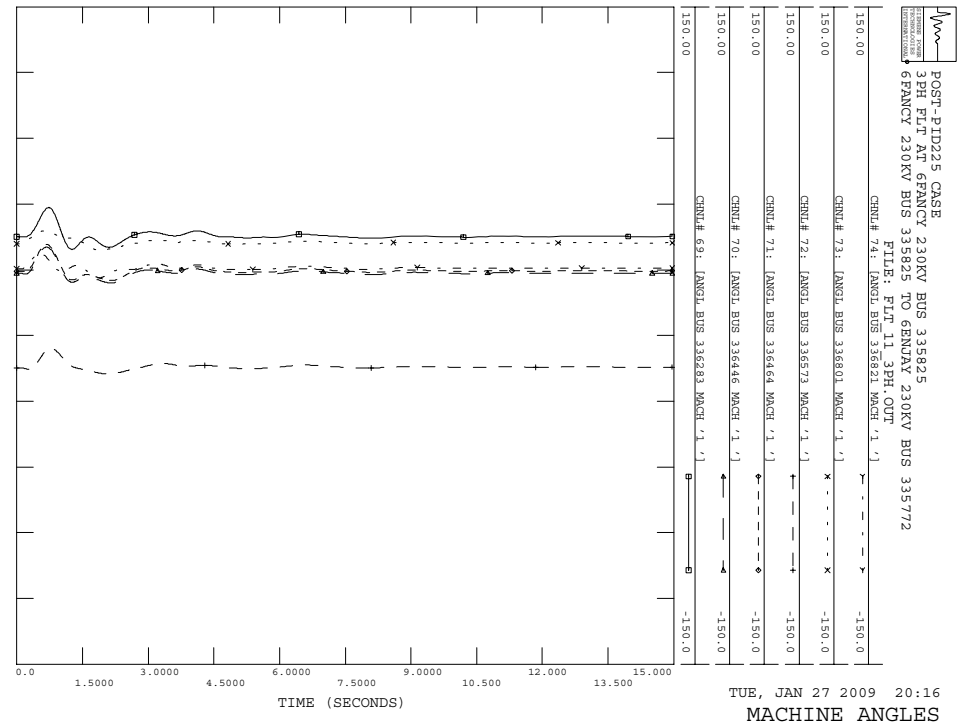
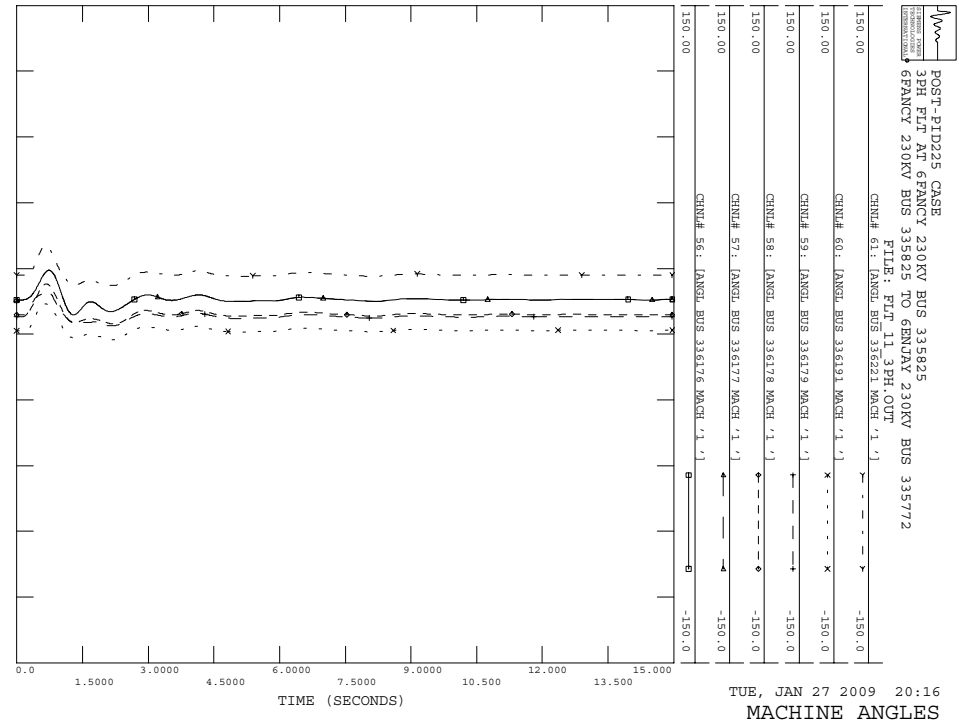
C.11 FLT_11_3PH

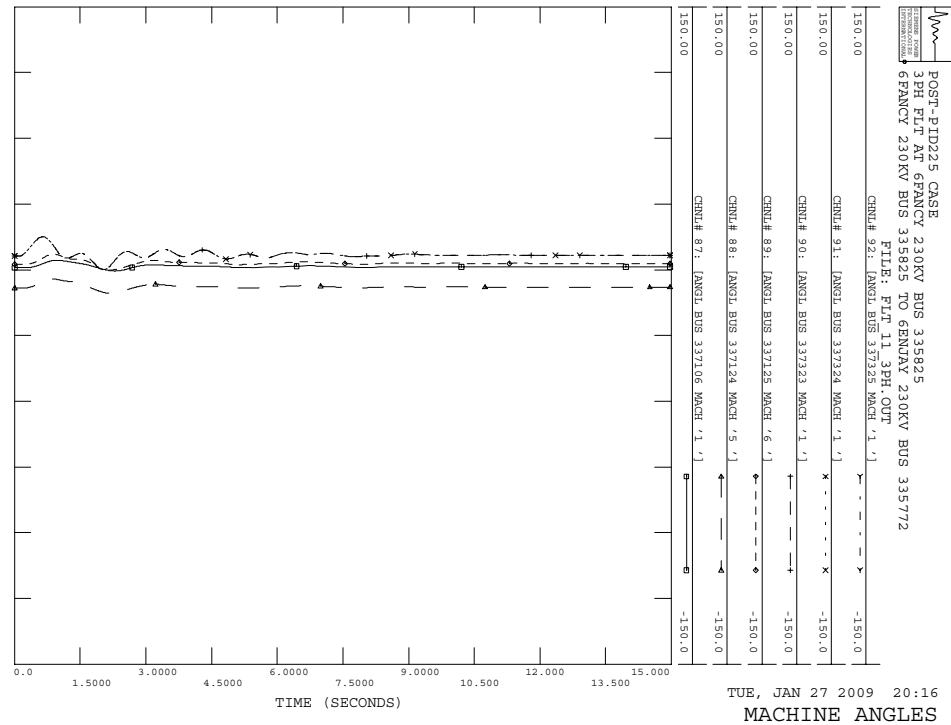
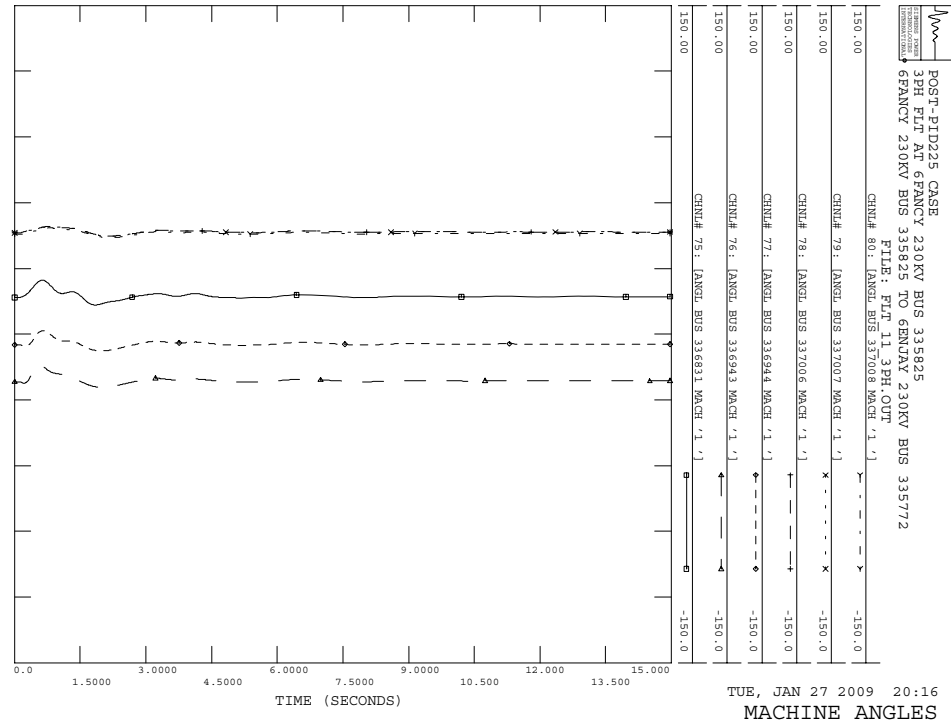
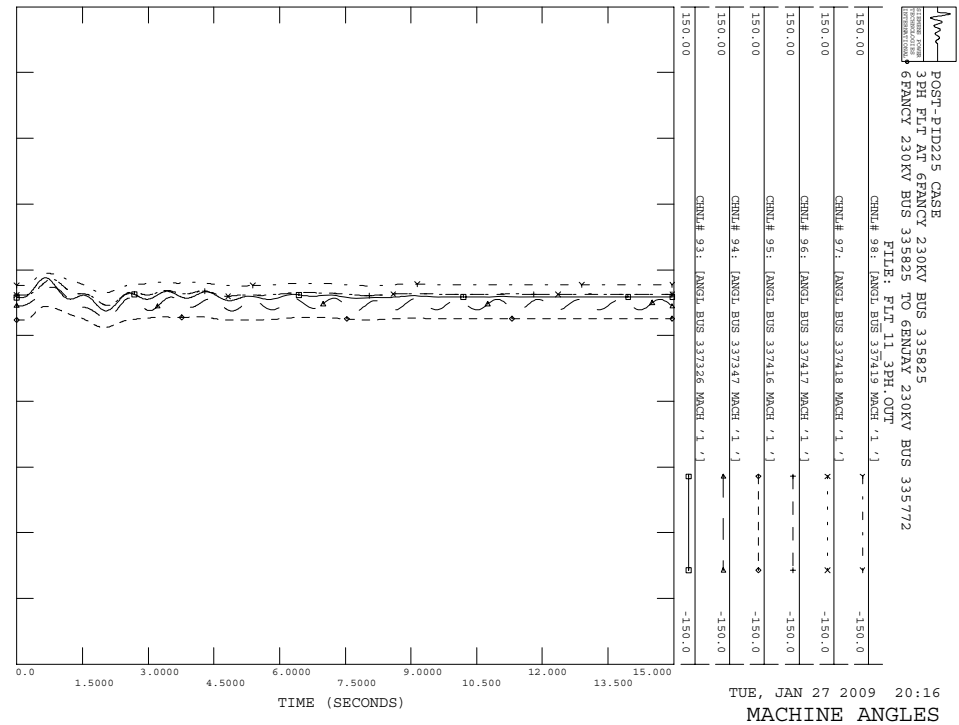
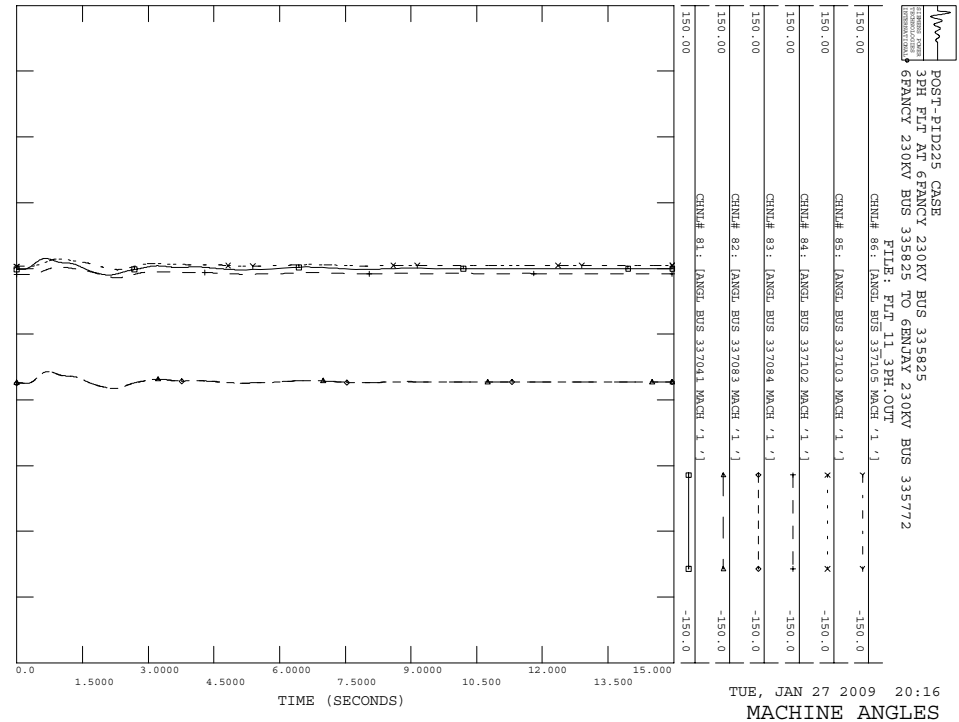
Three phase fault on the 6FANCY (#335825) to 6ENJAY (#335772) 230 kV line, near the 6FANCY.

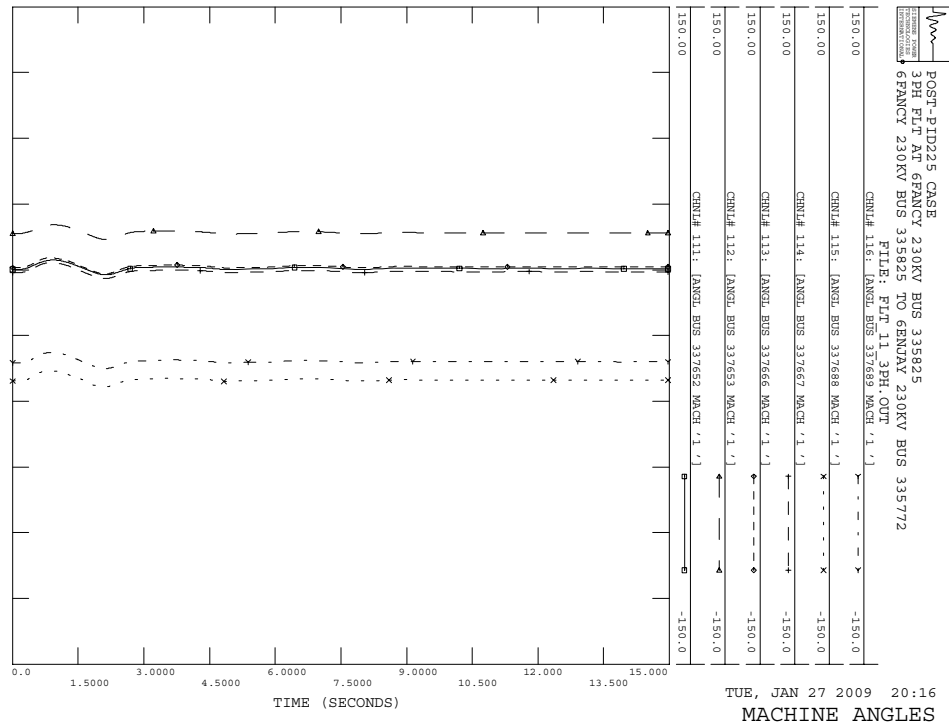
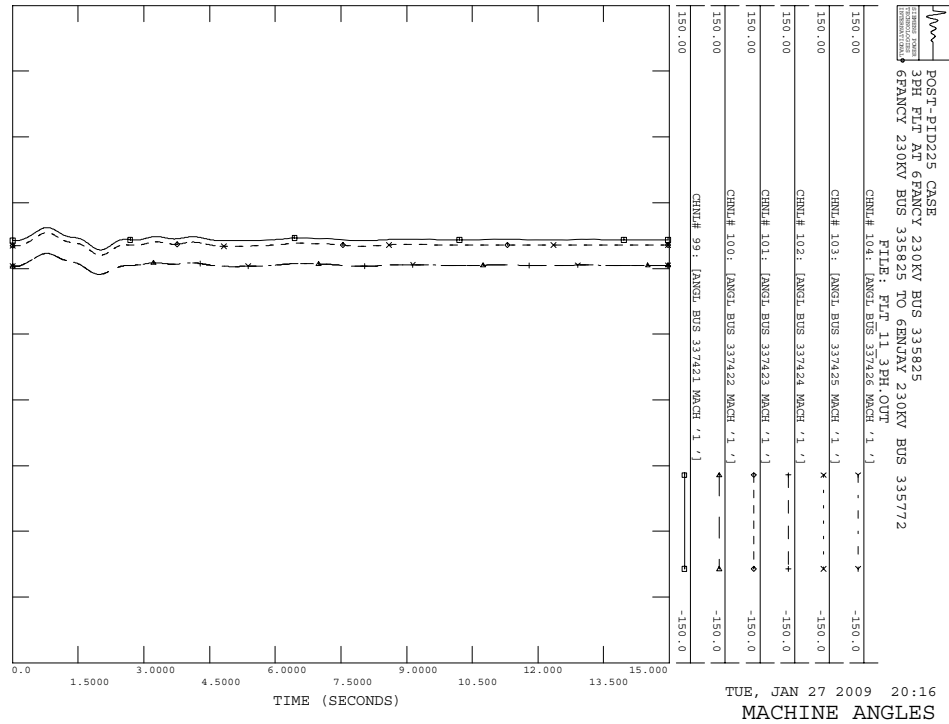
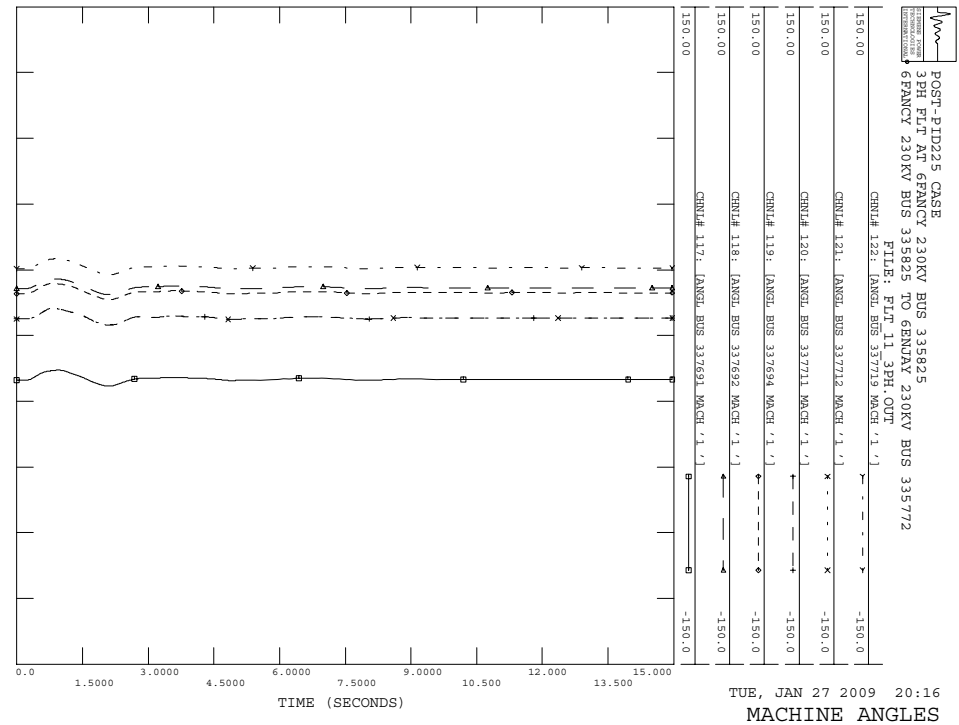
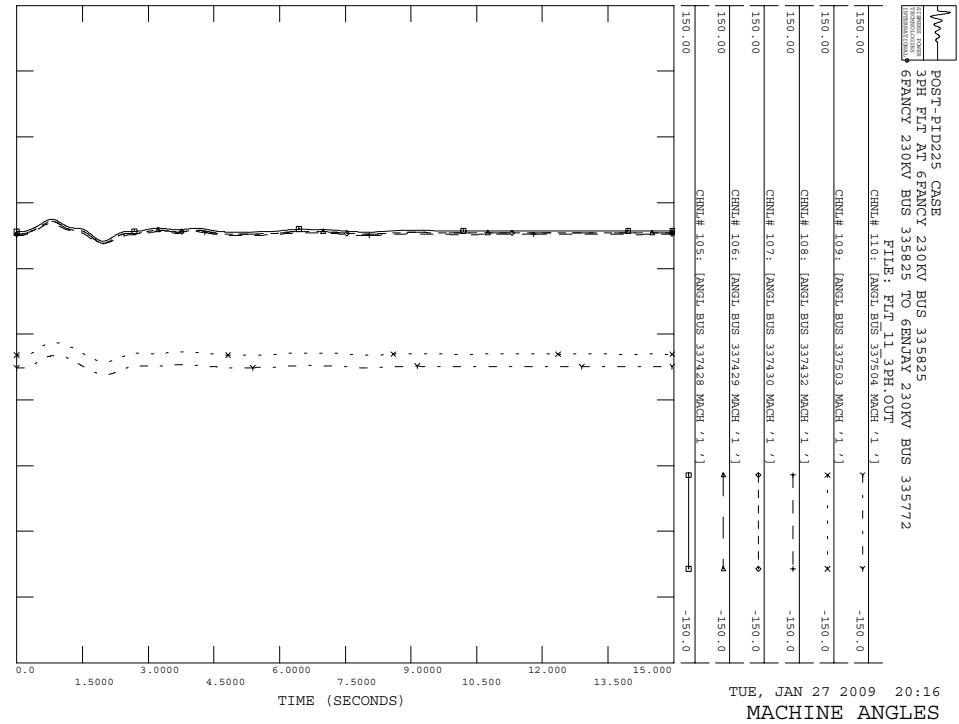
- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Clear fault after 6 cycles by tripping line from 6FANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772

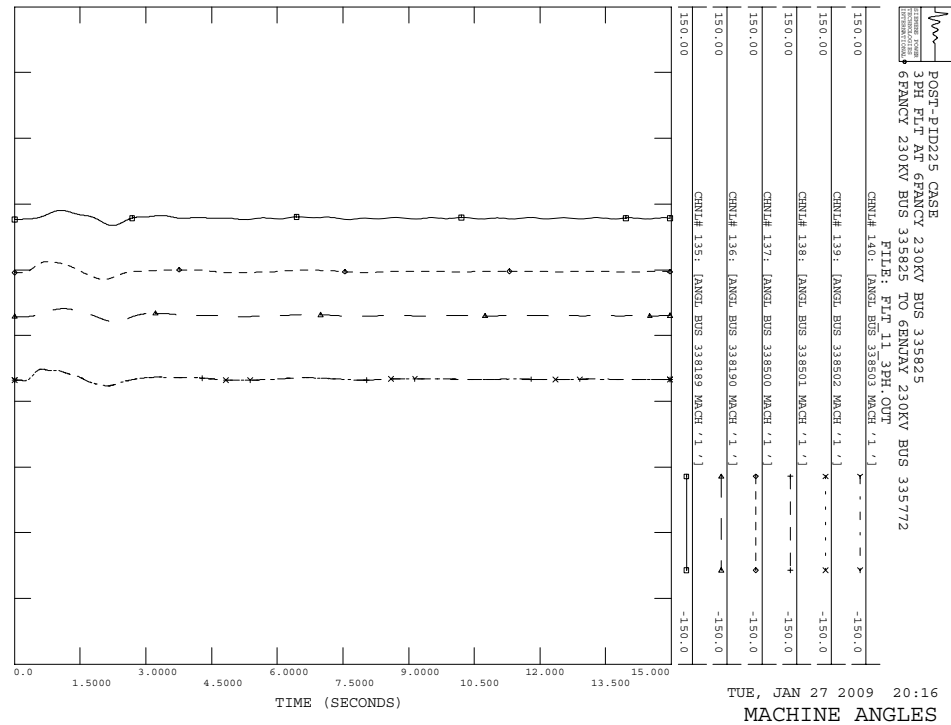
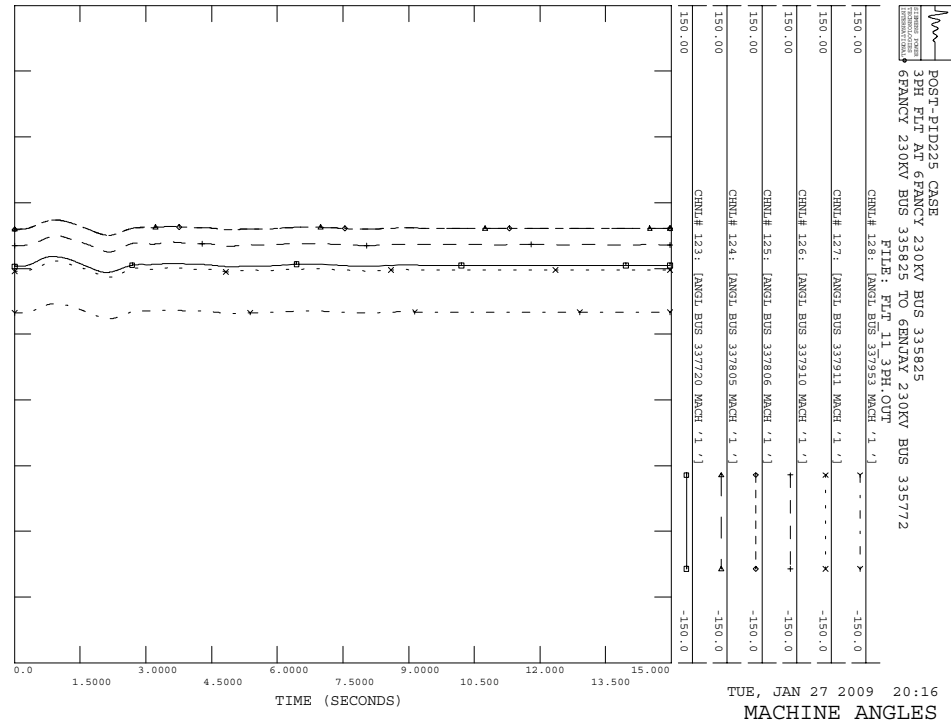
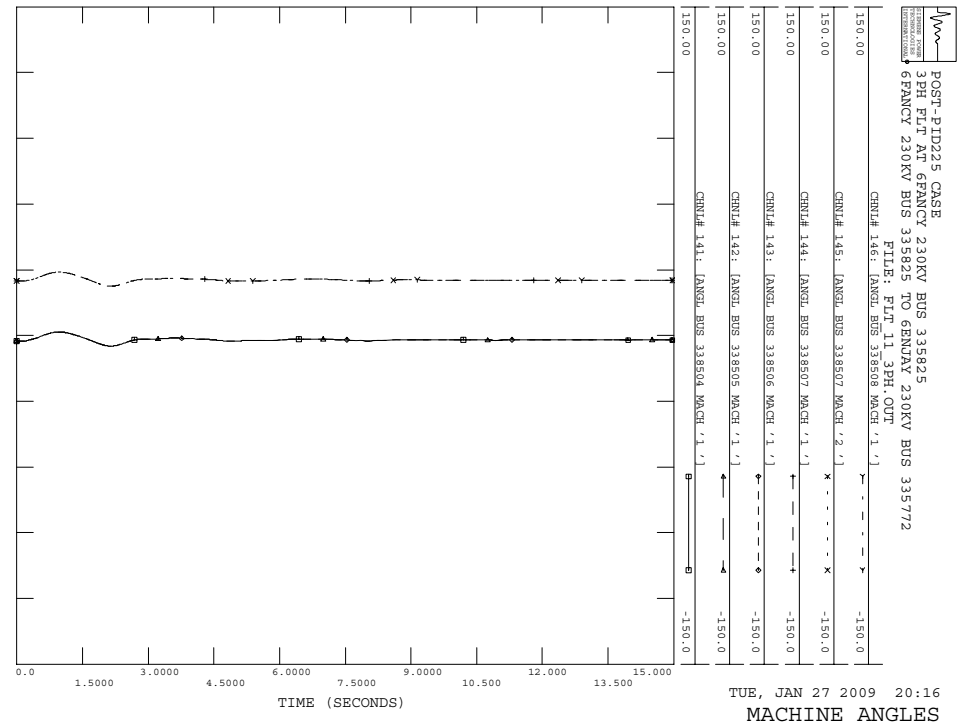
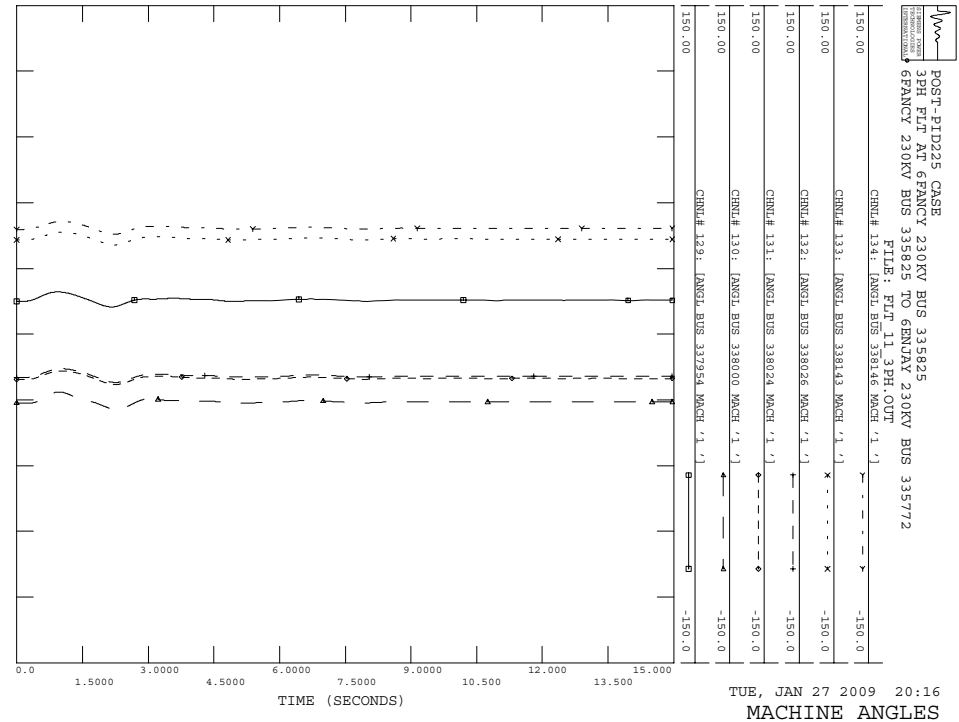


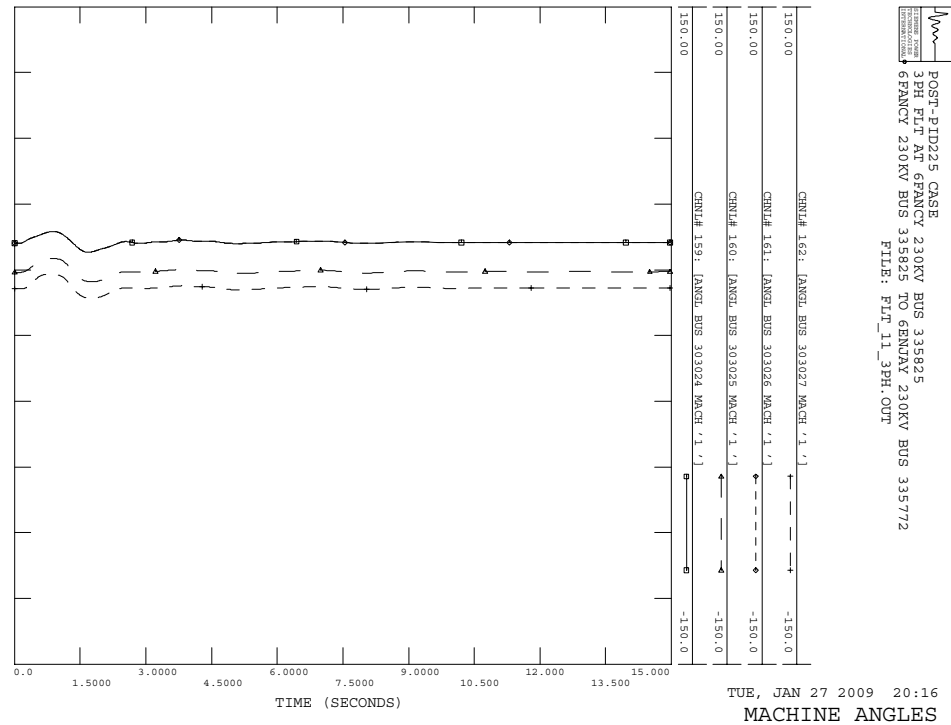
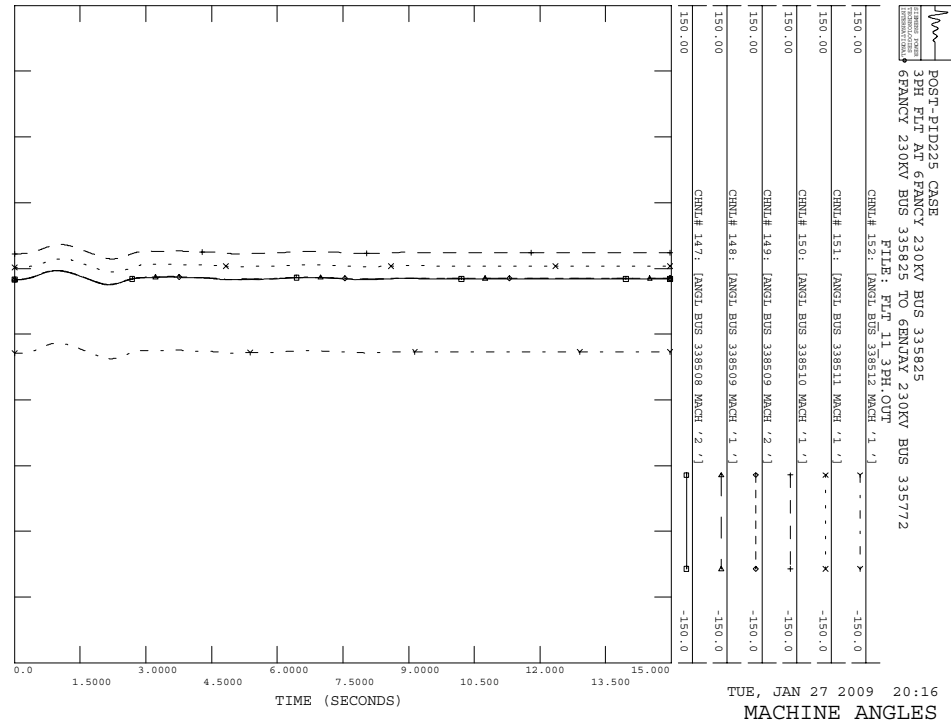
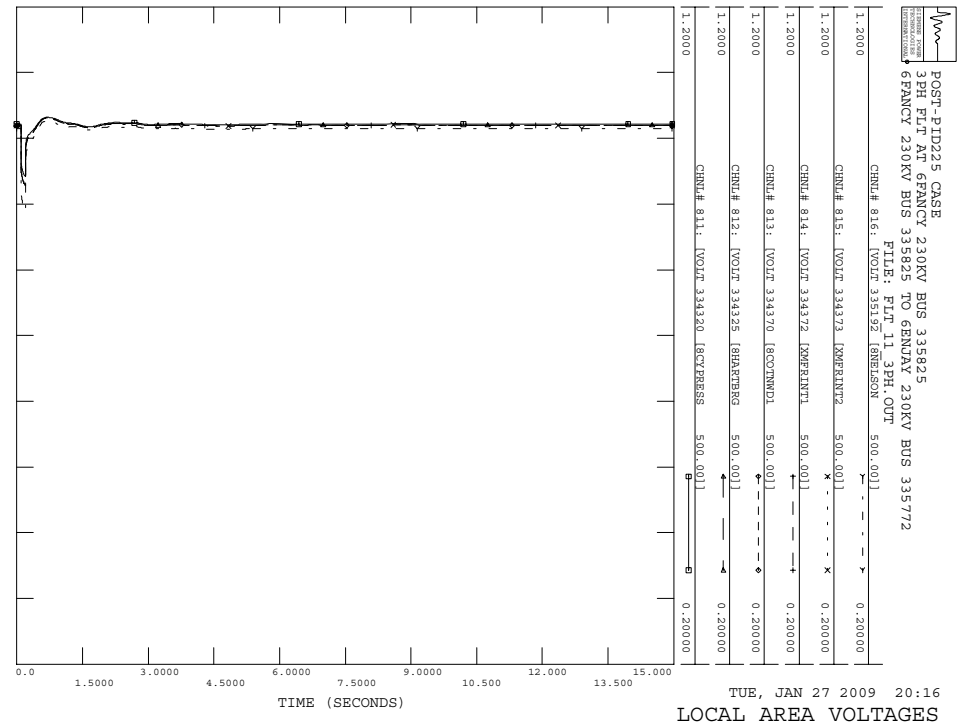
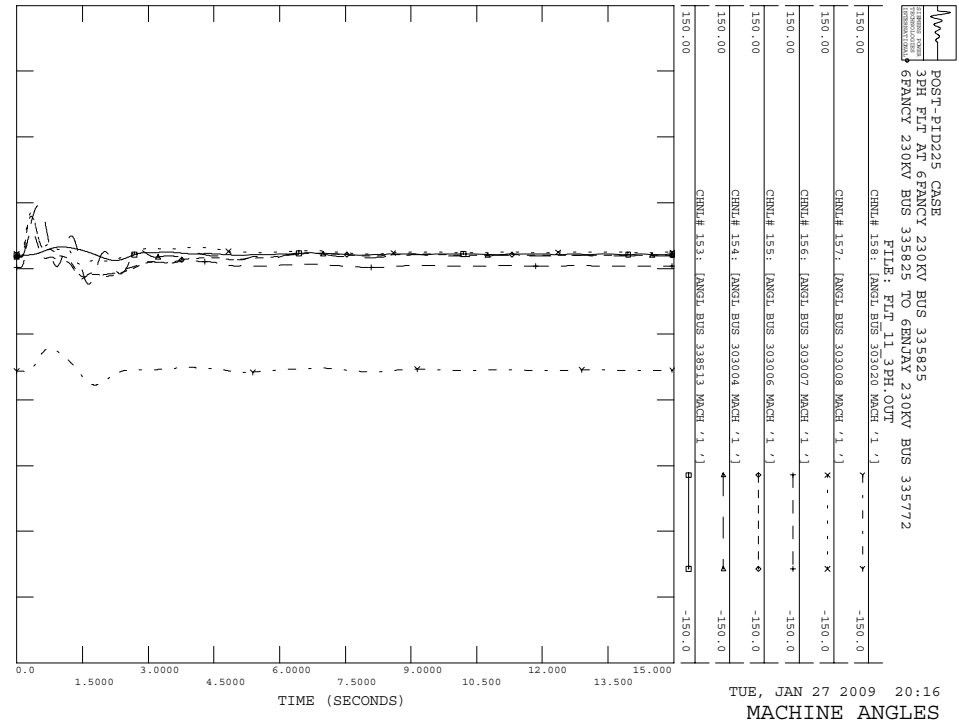


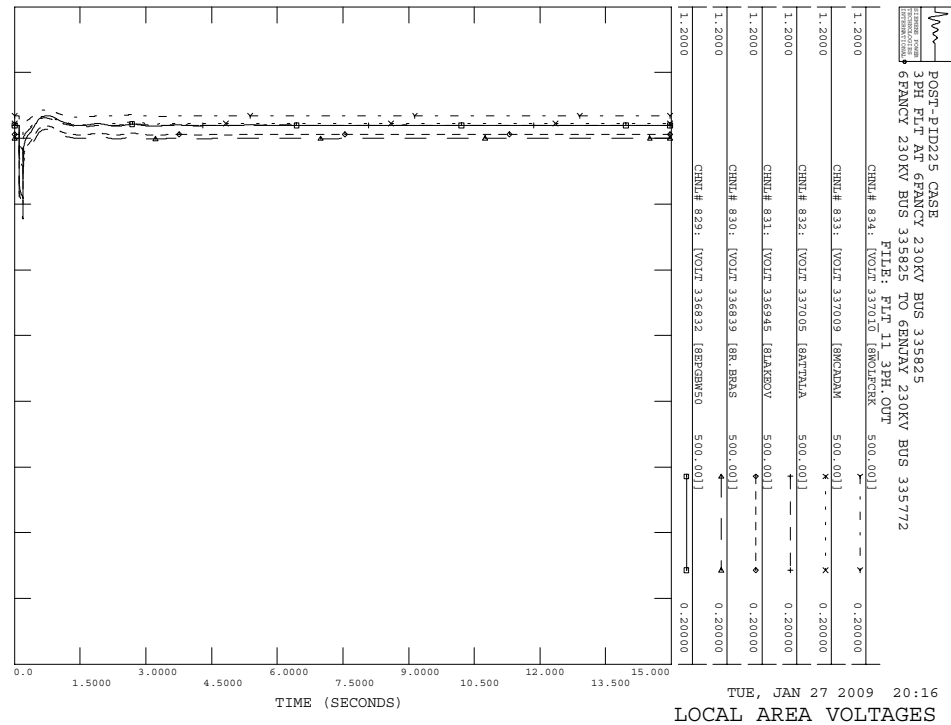
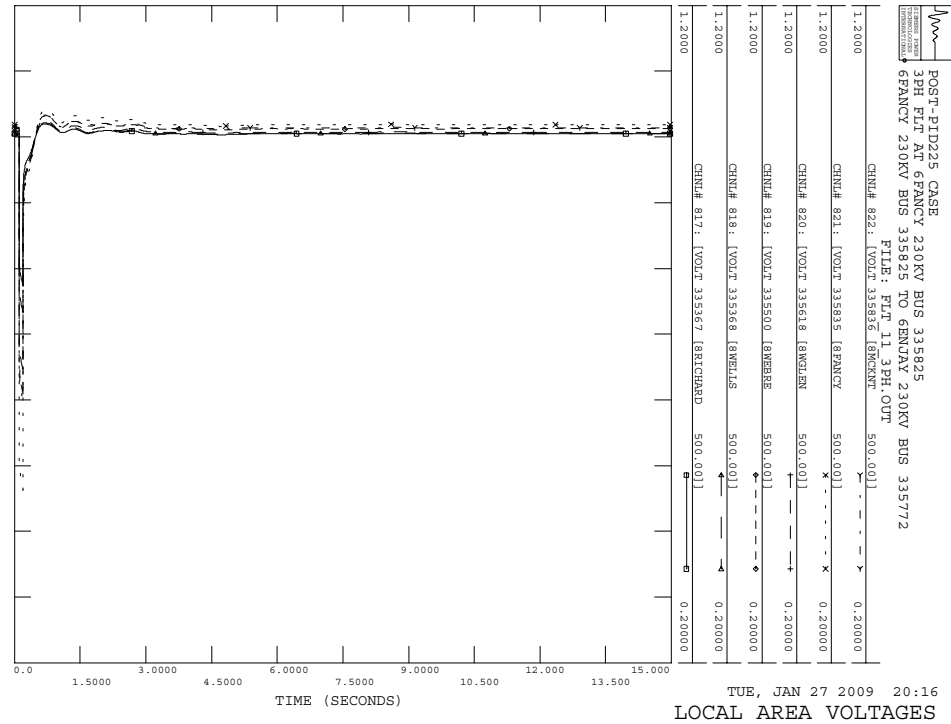
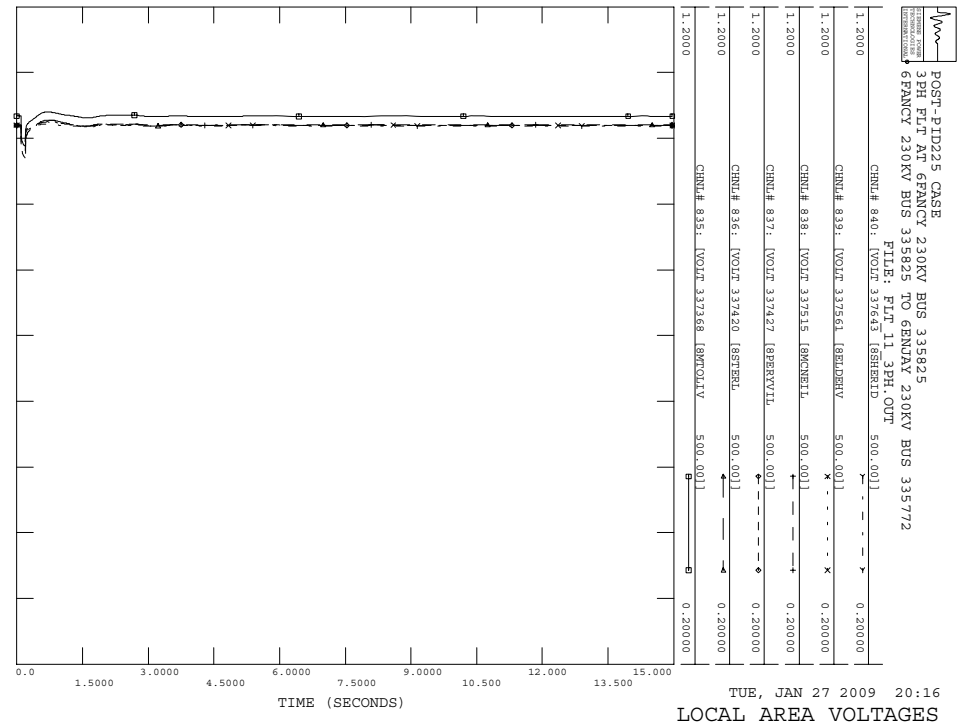
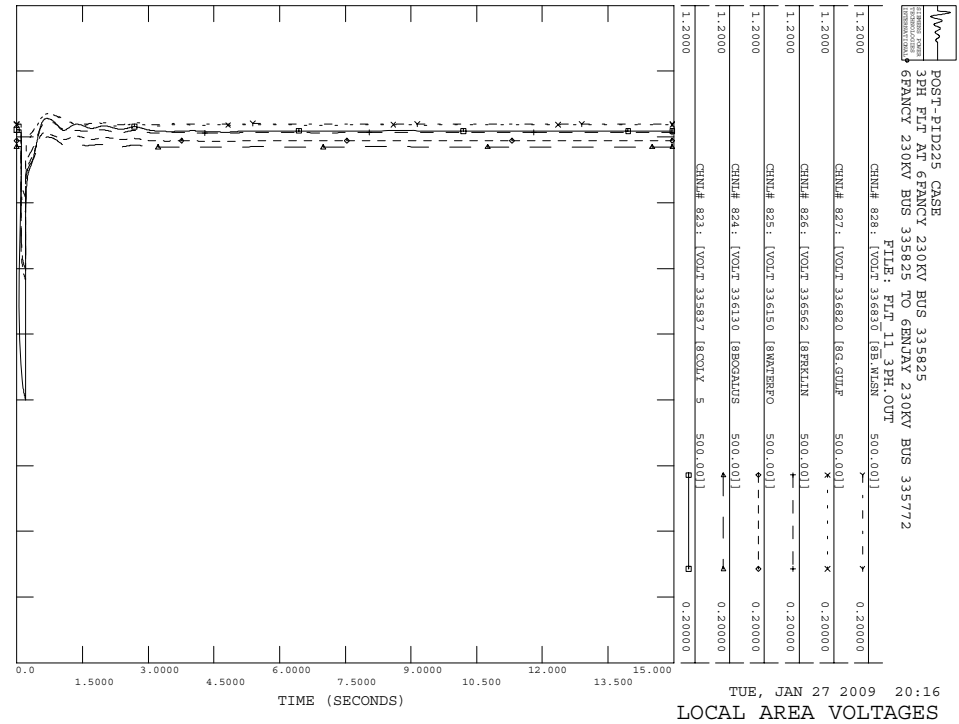


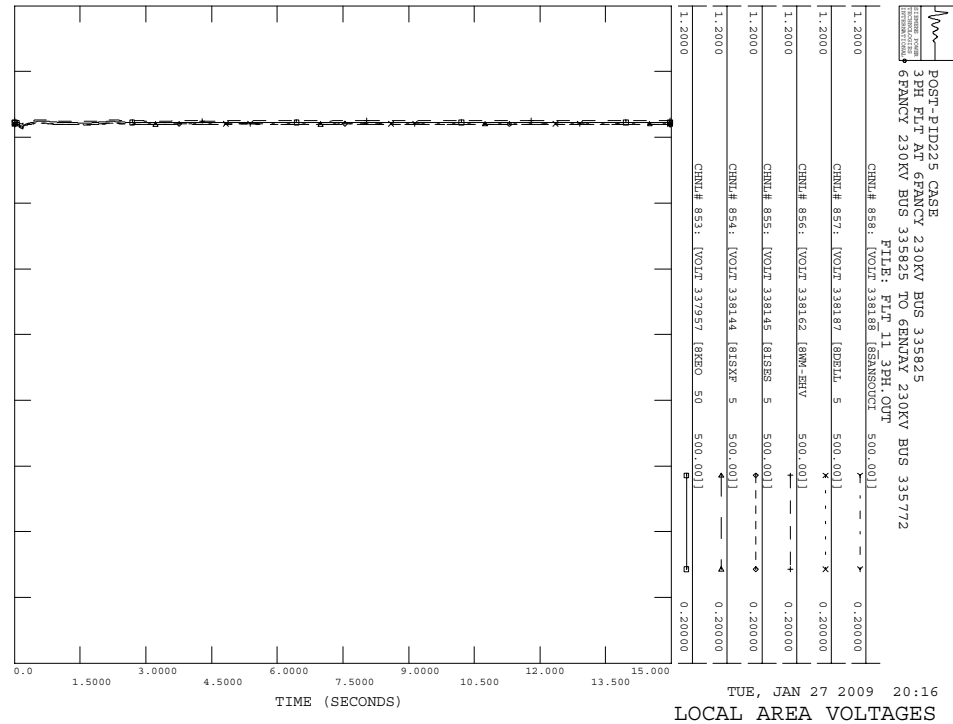
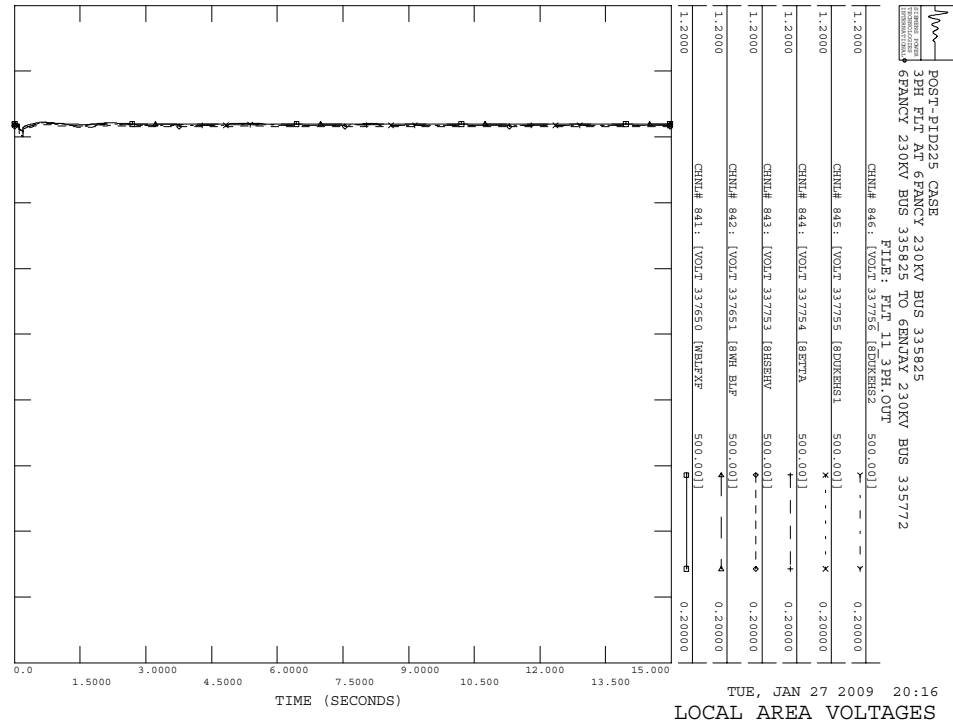
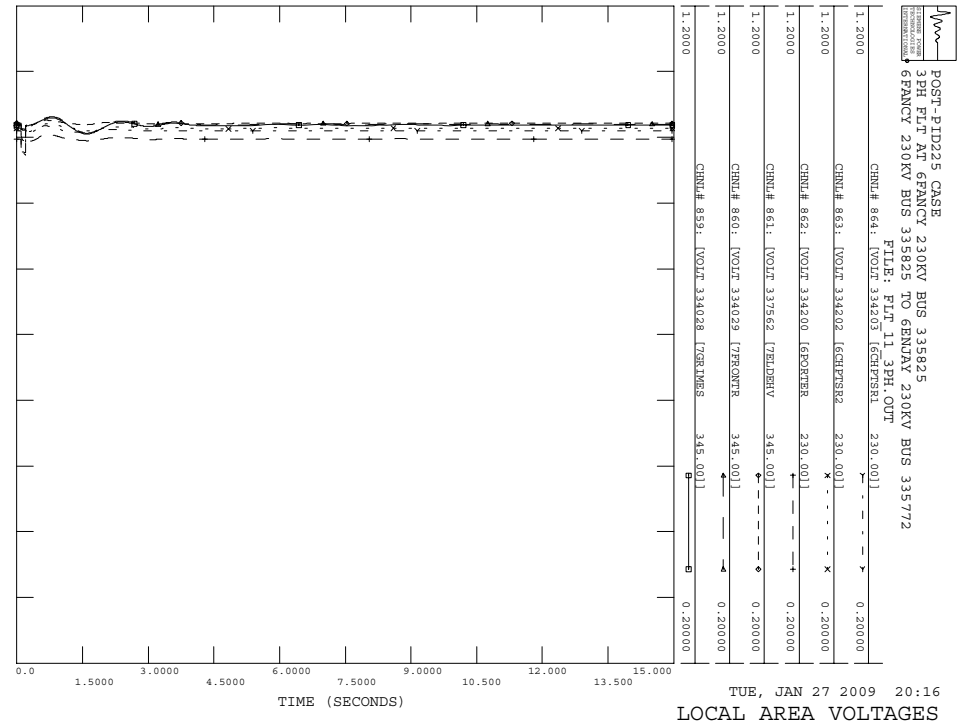
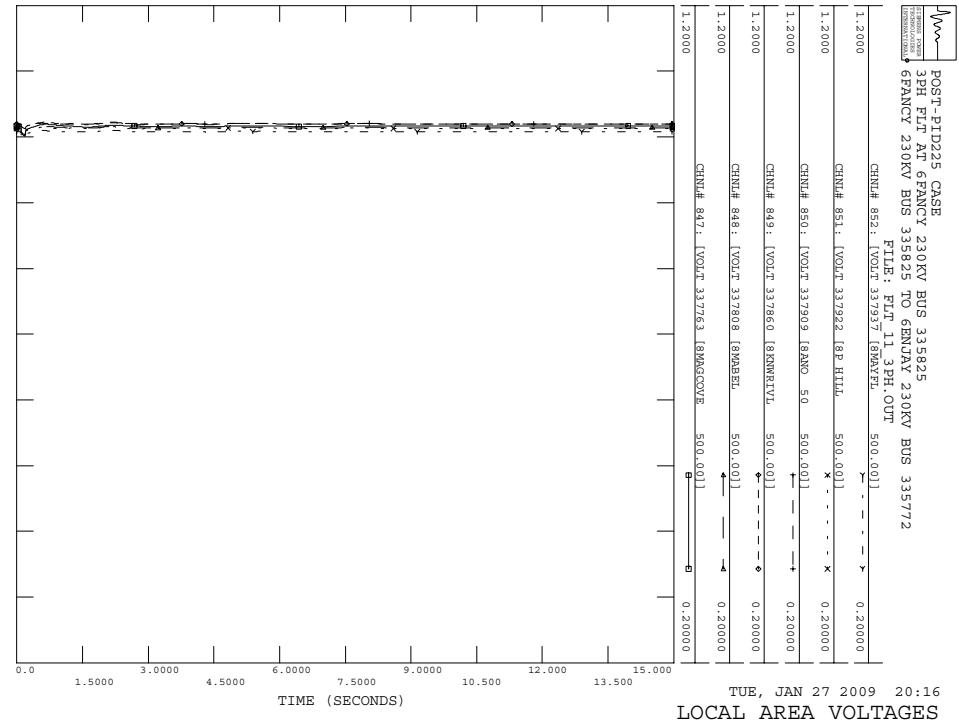


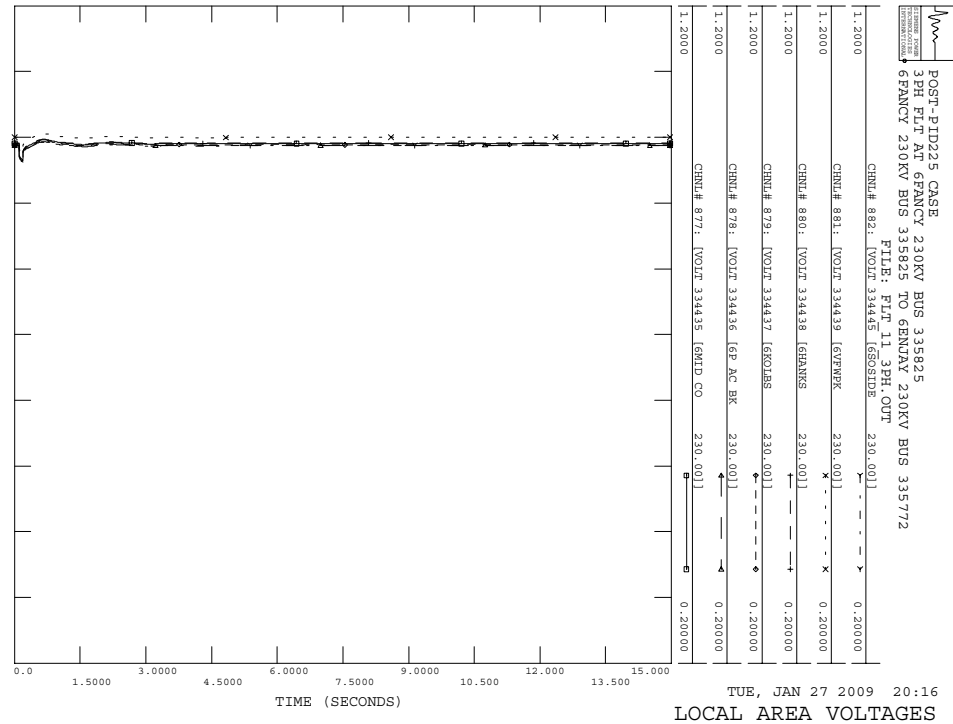
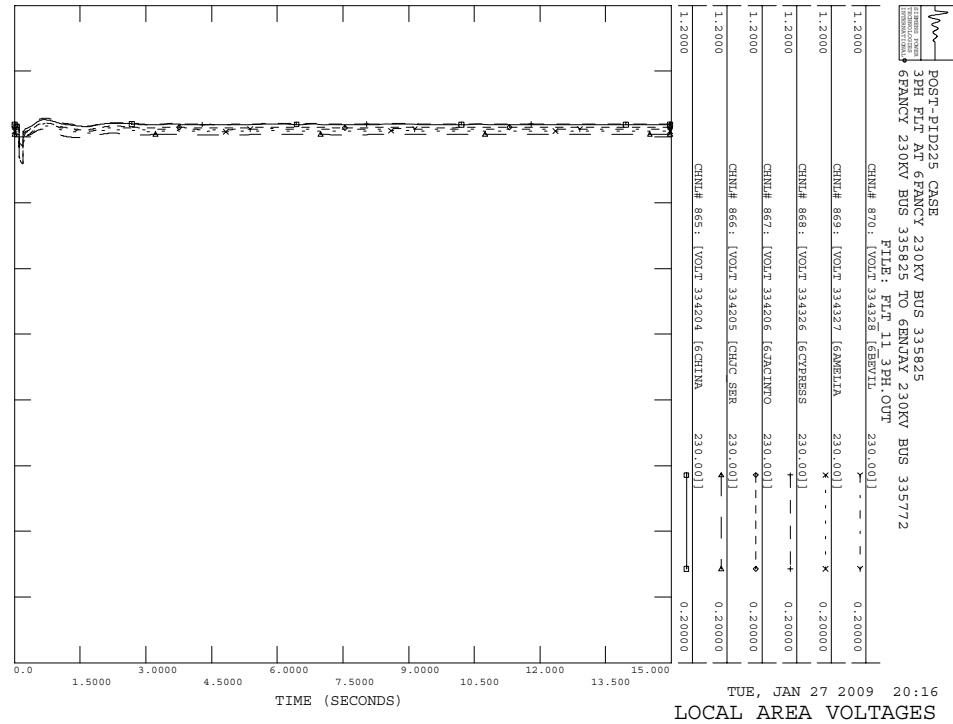
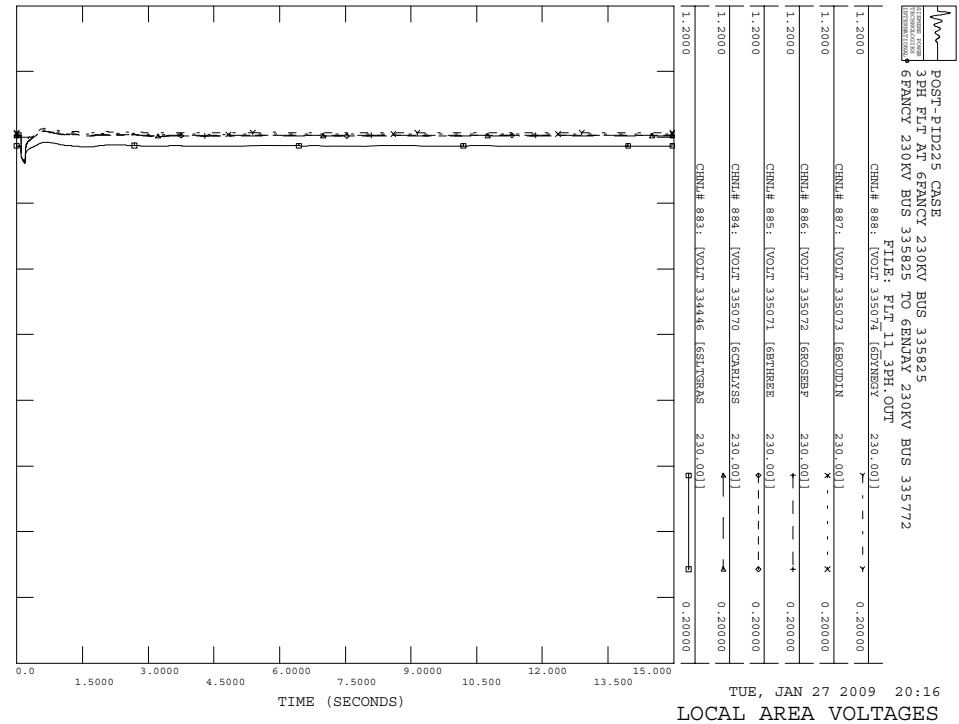
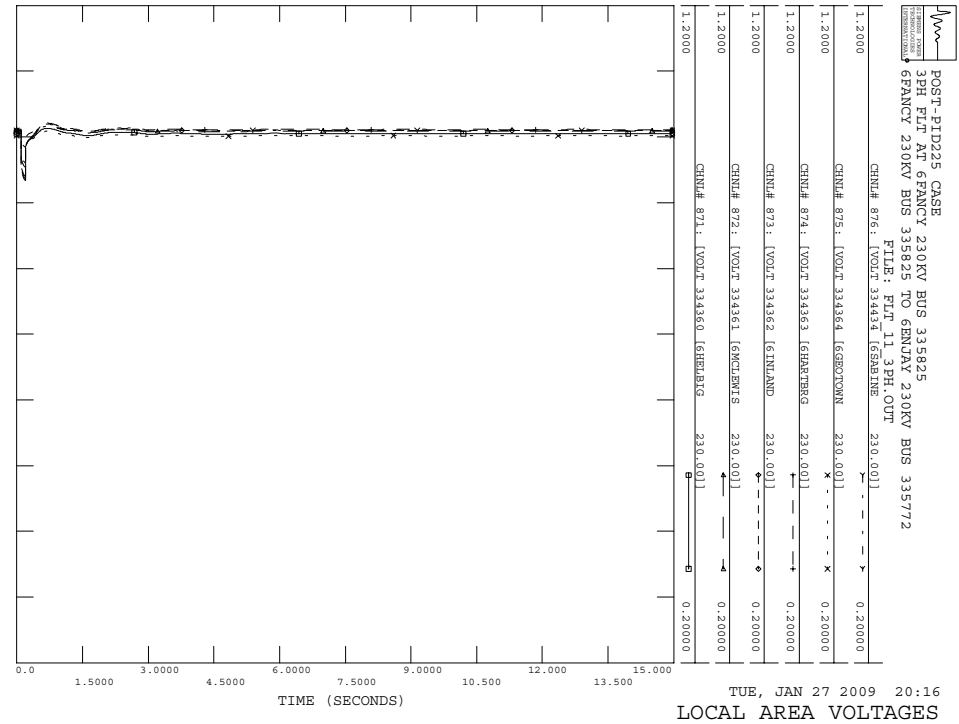


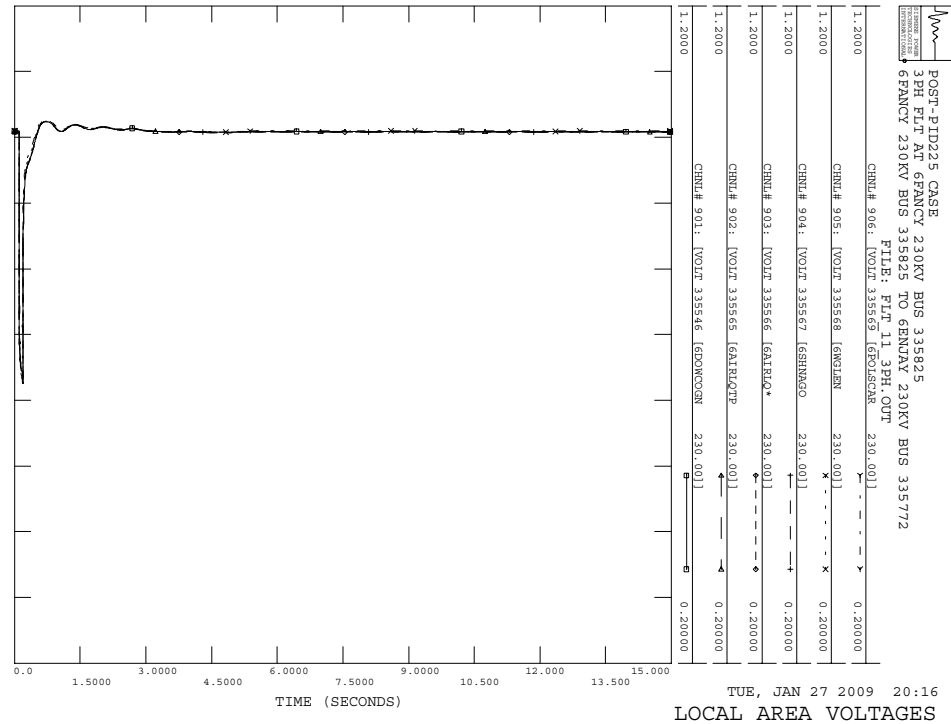
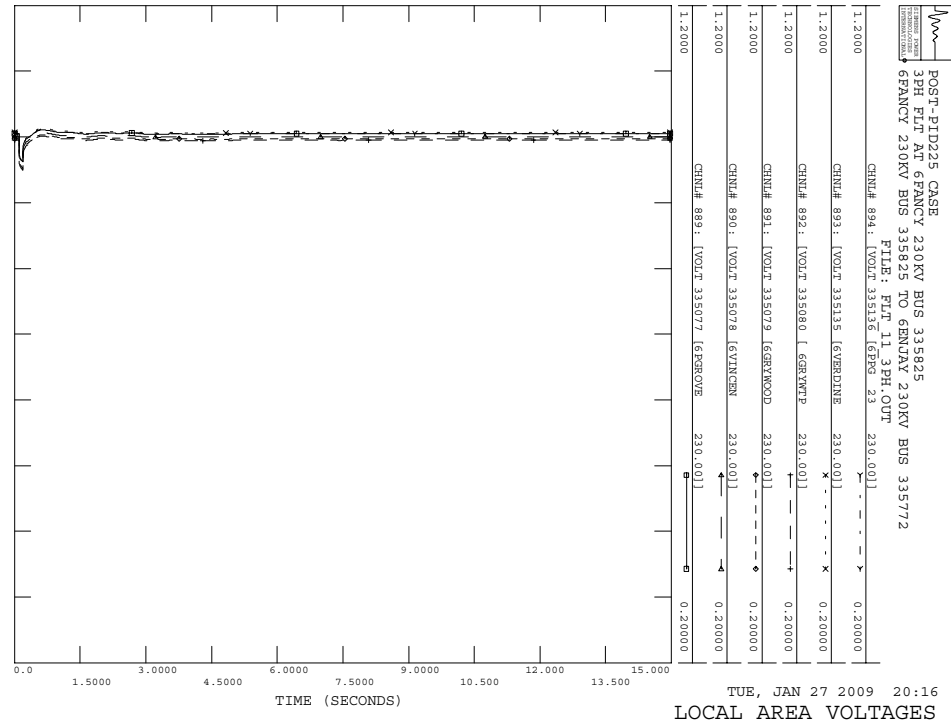
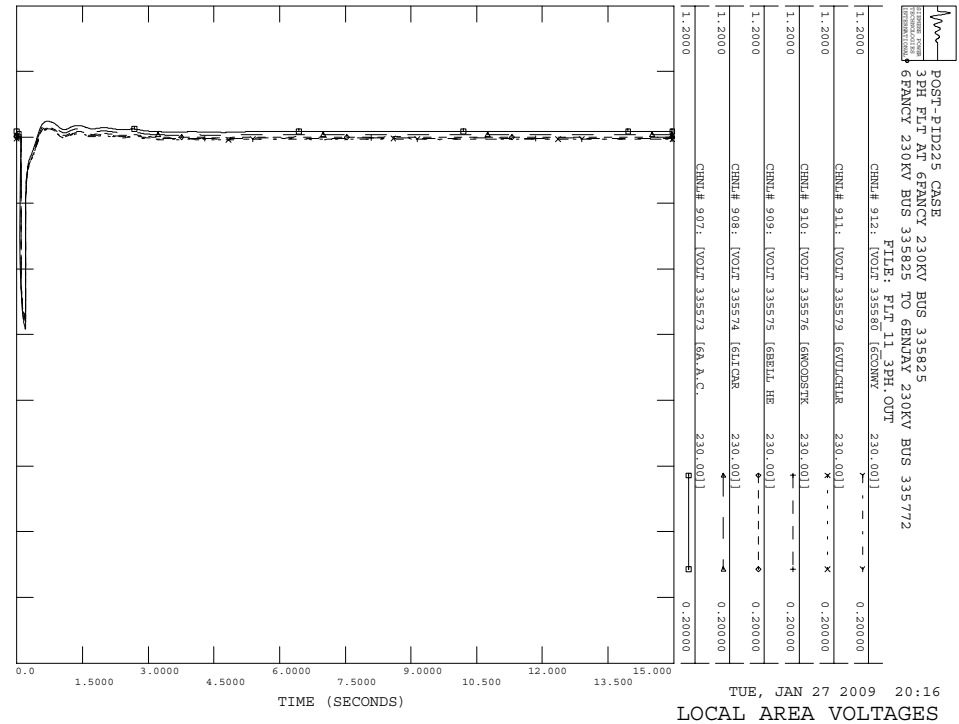
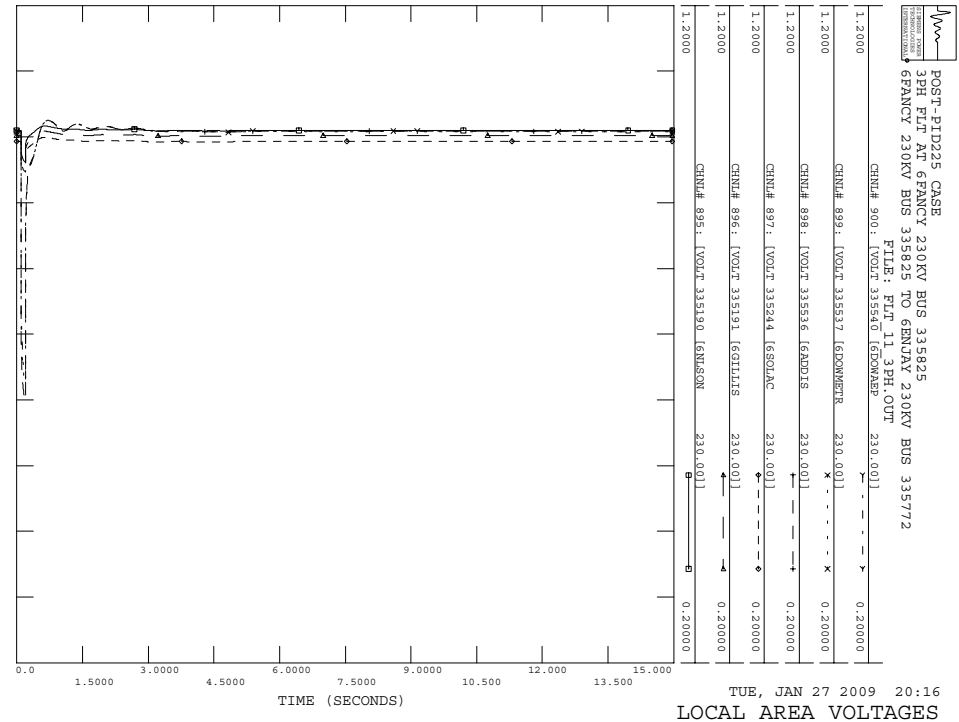


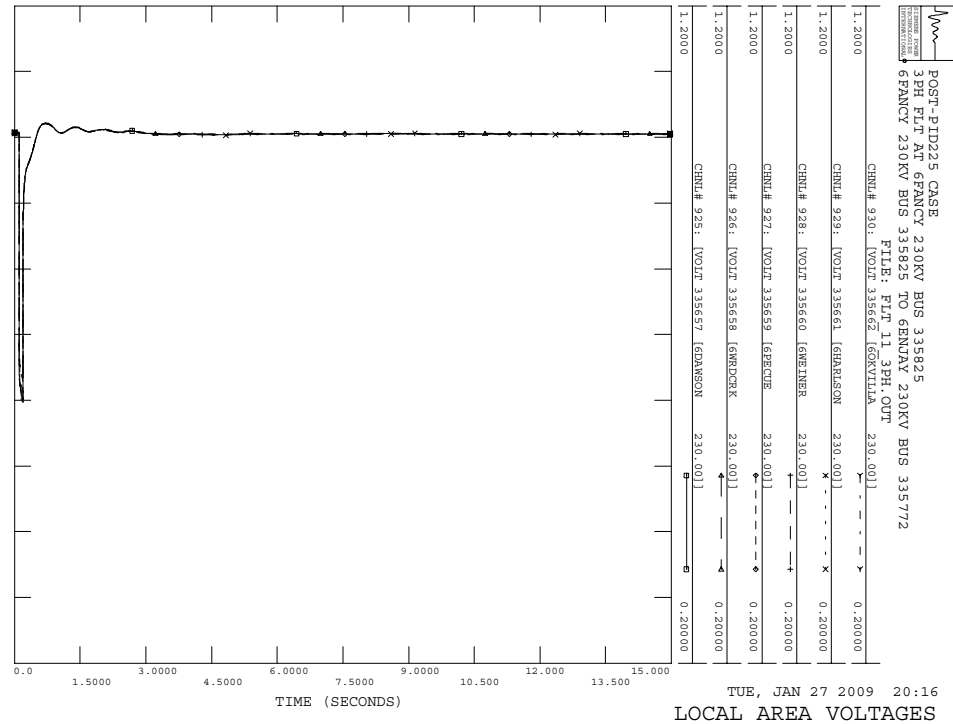
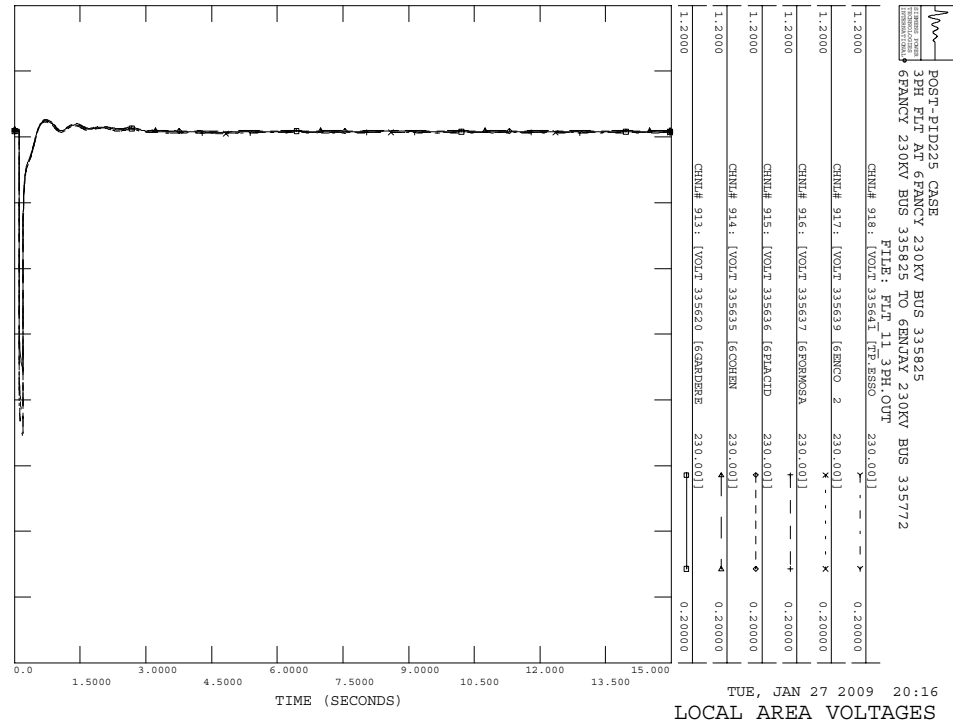
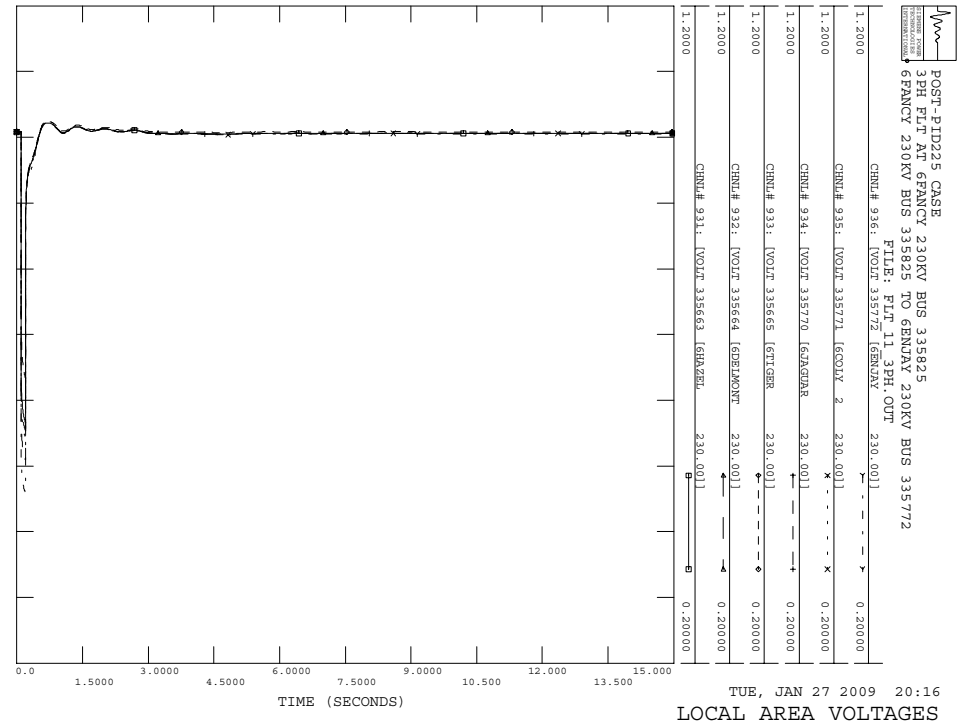
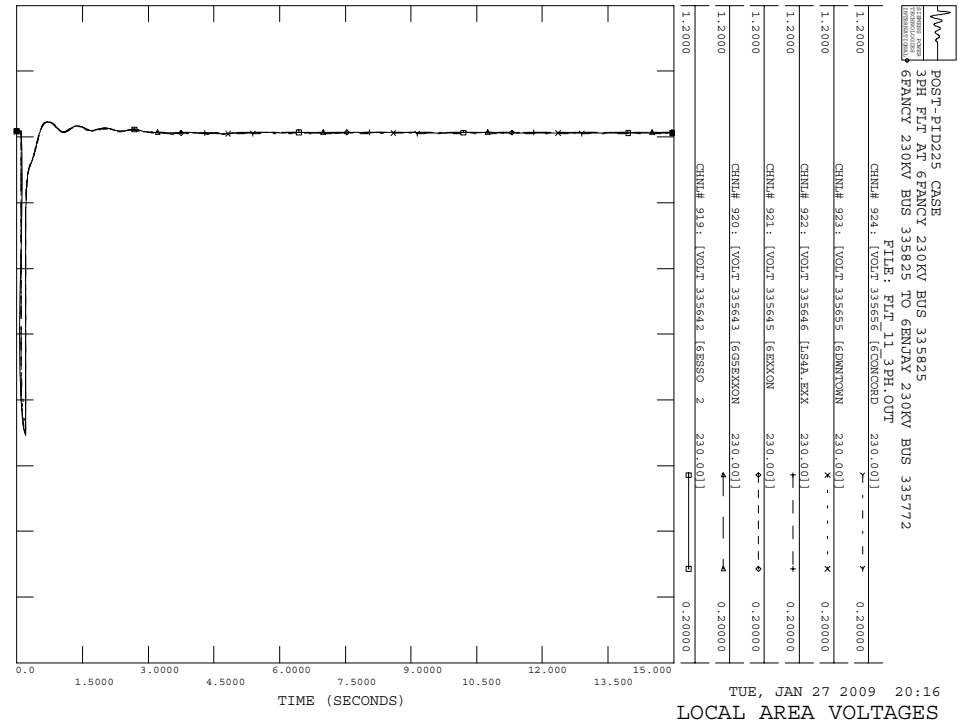


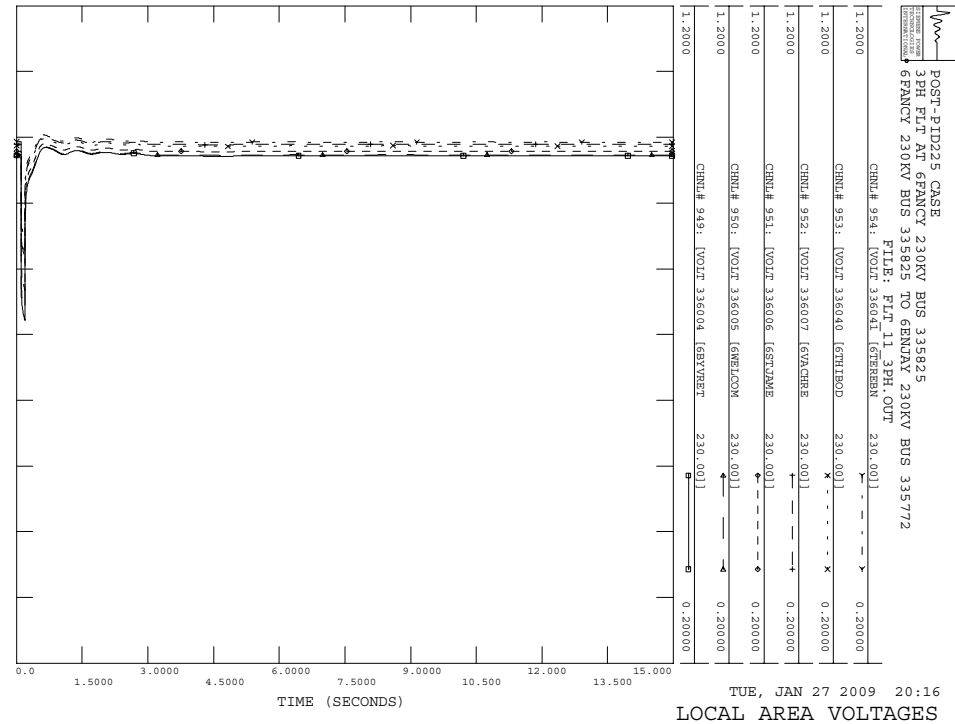
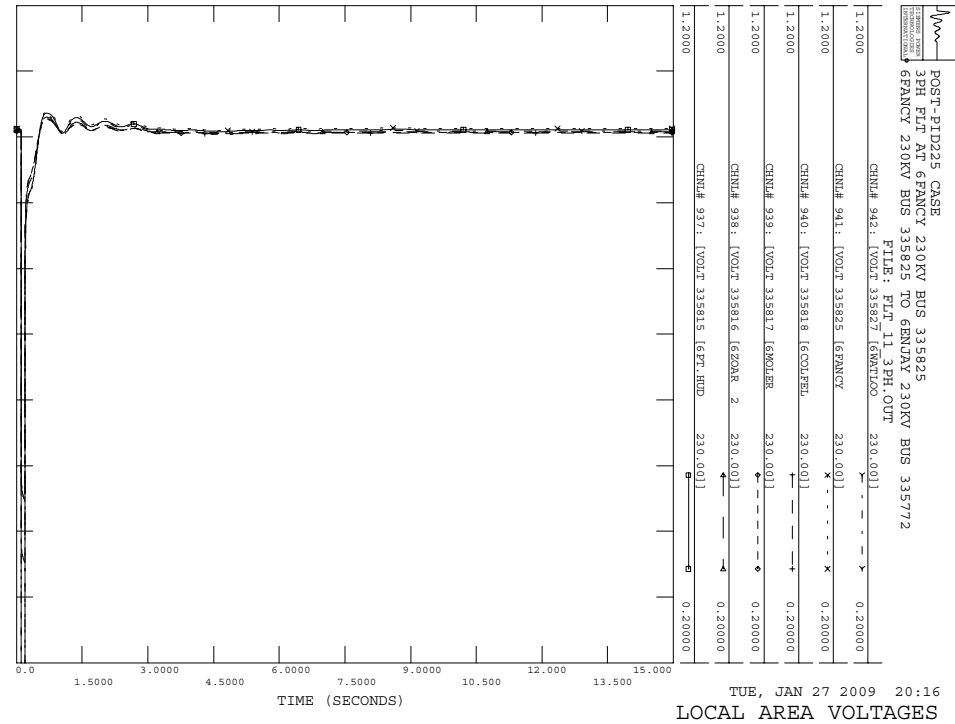
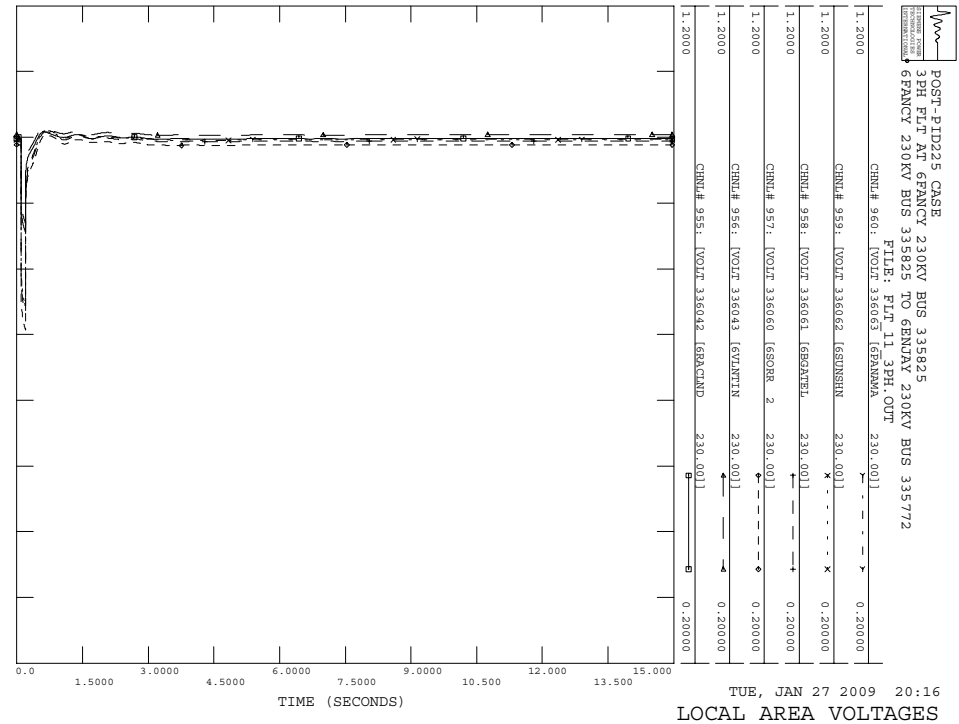
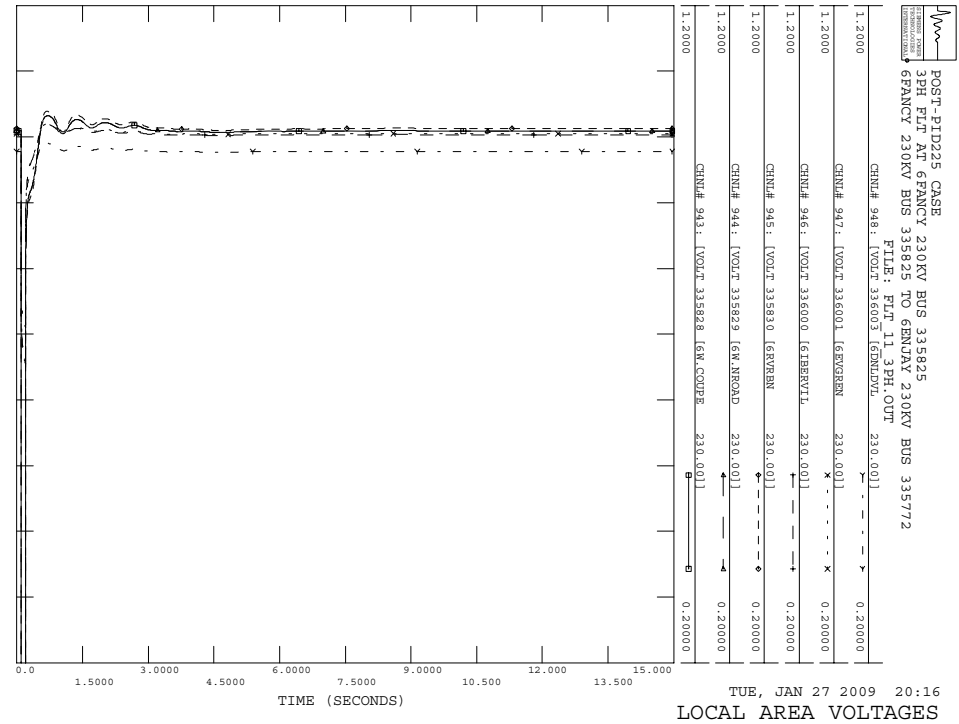


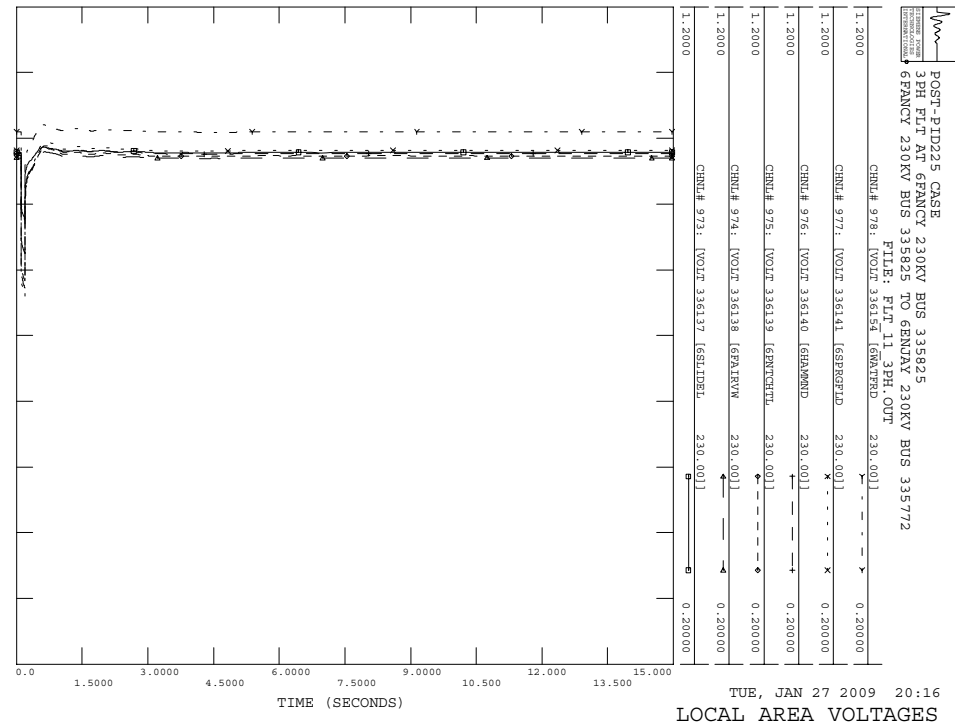
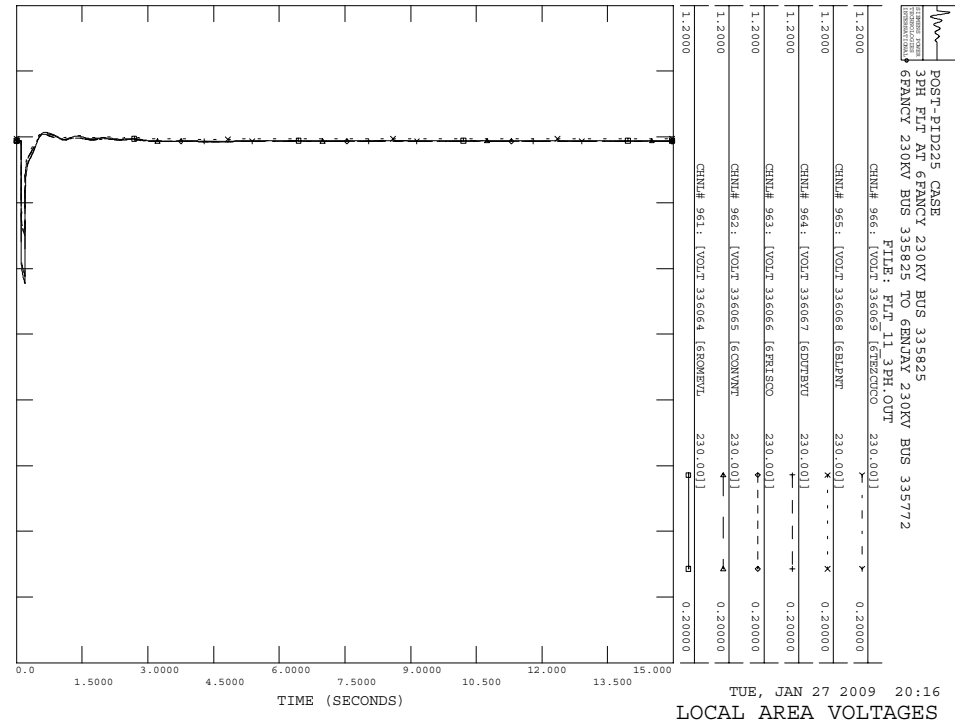
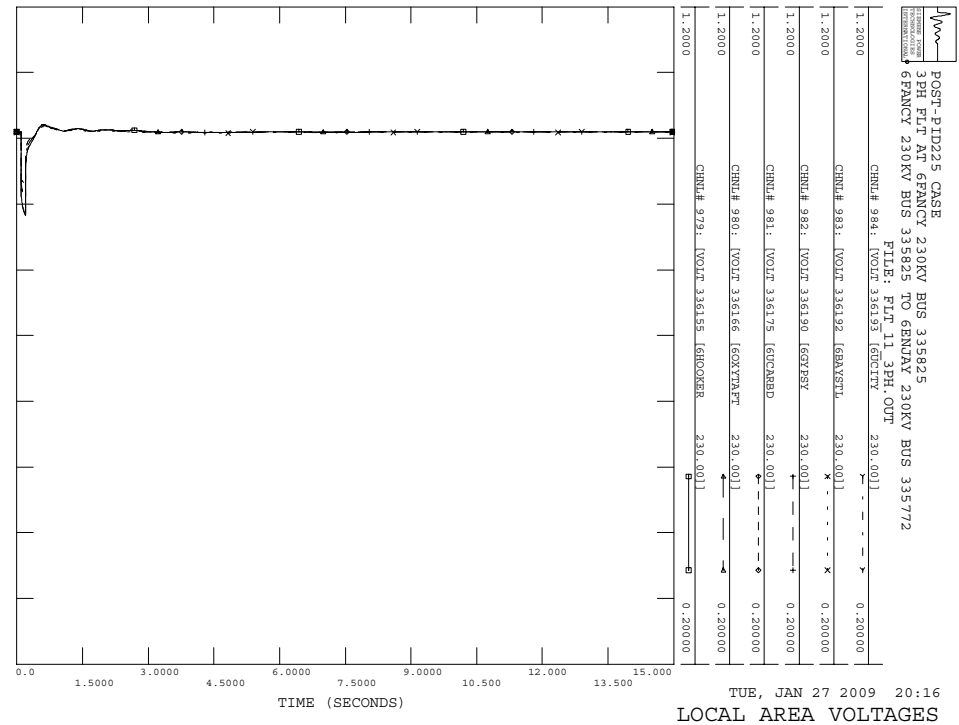
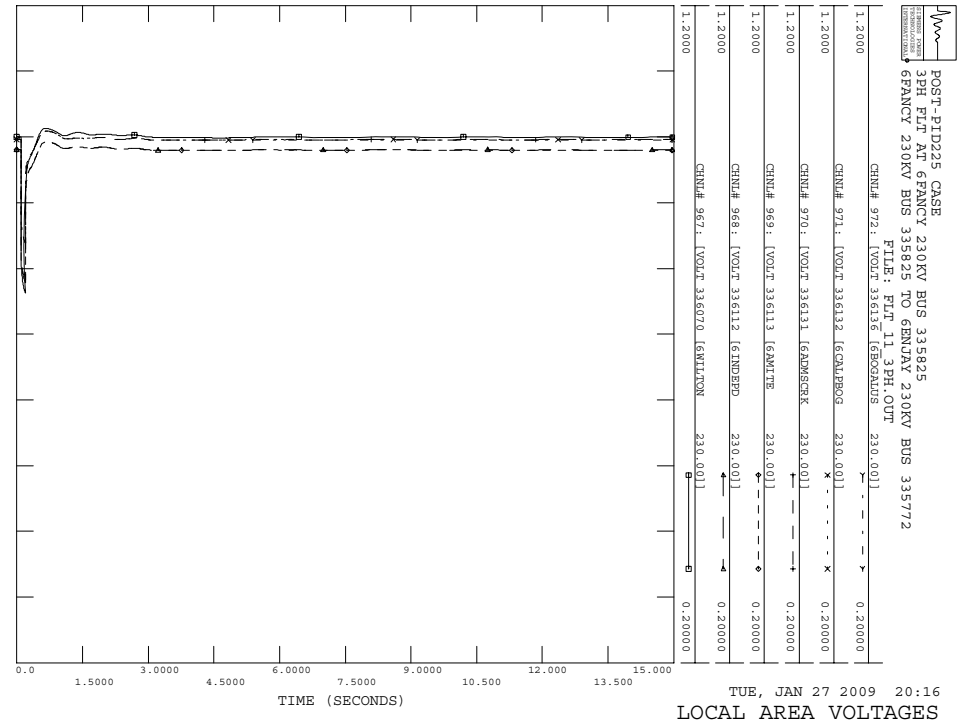


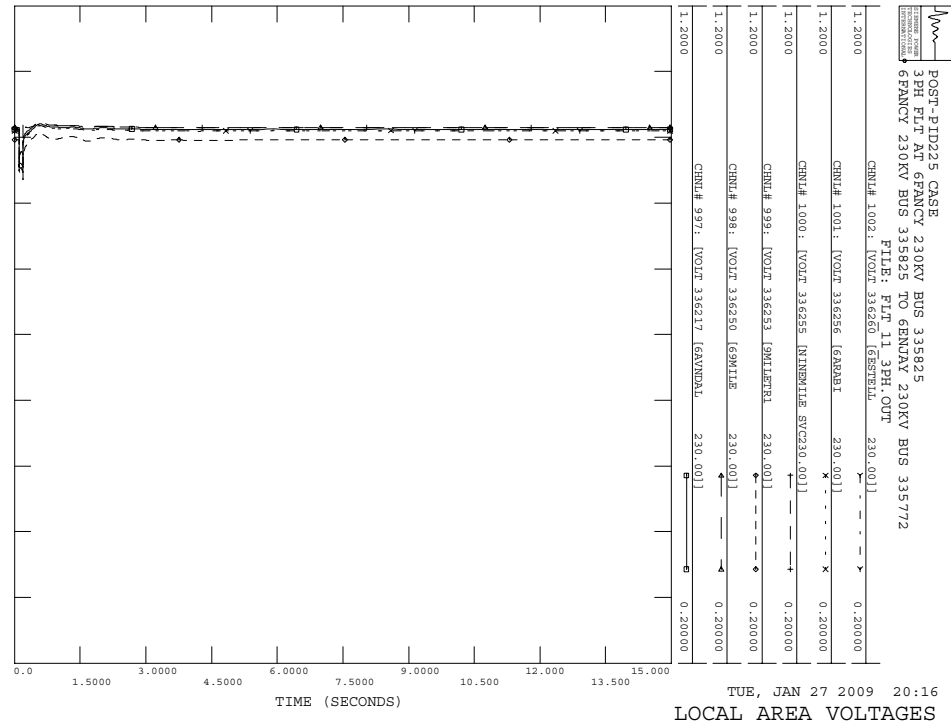
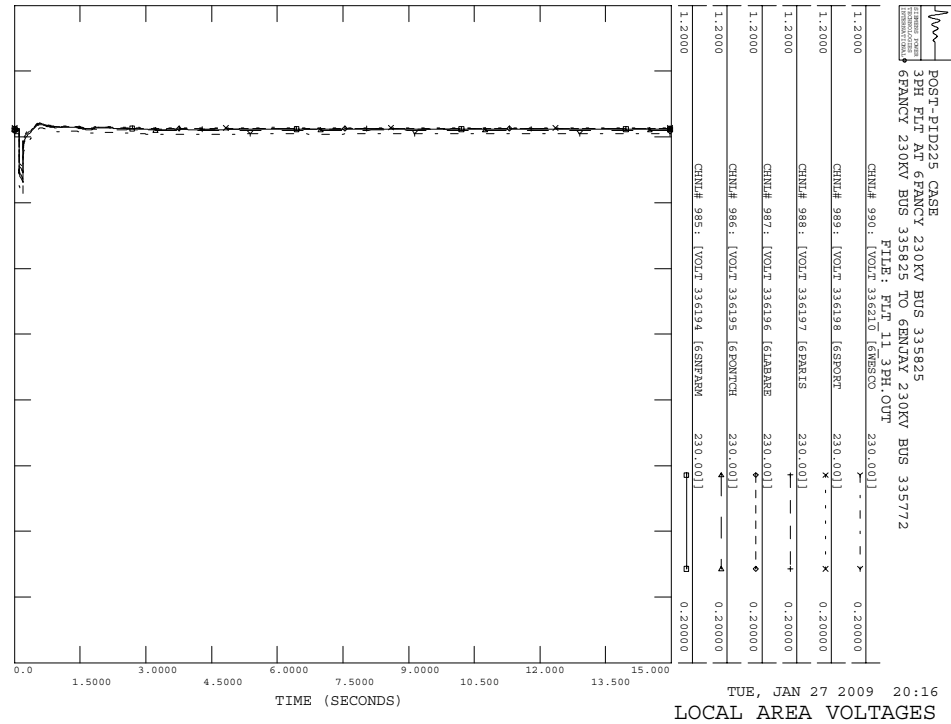
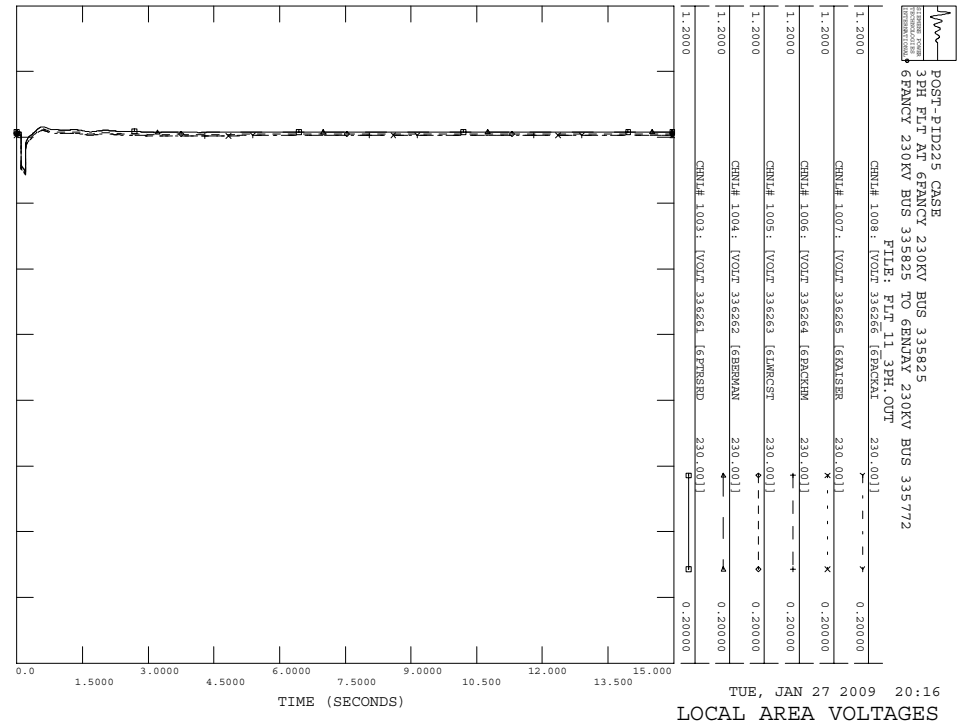
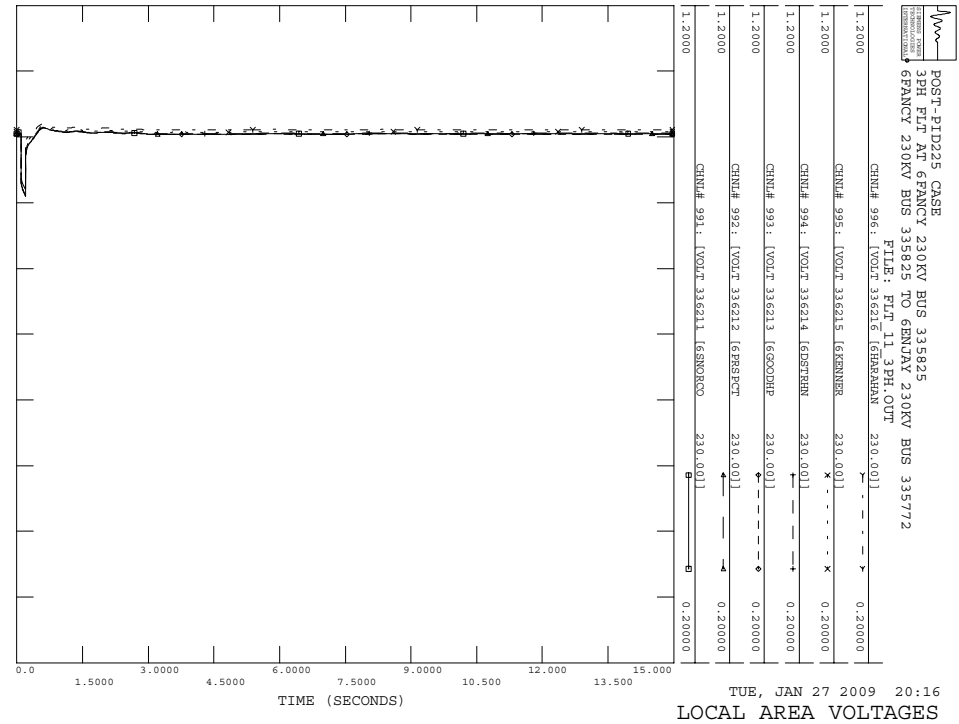


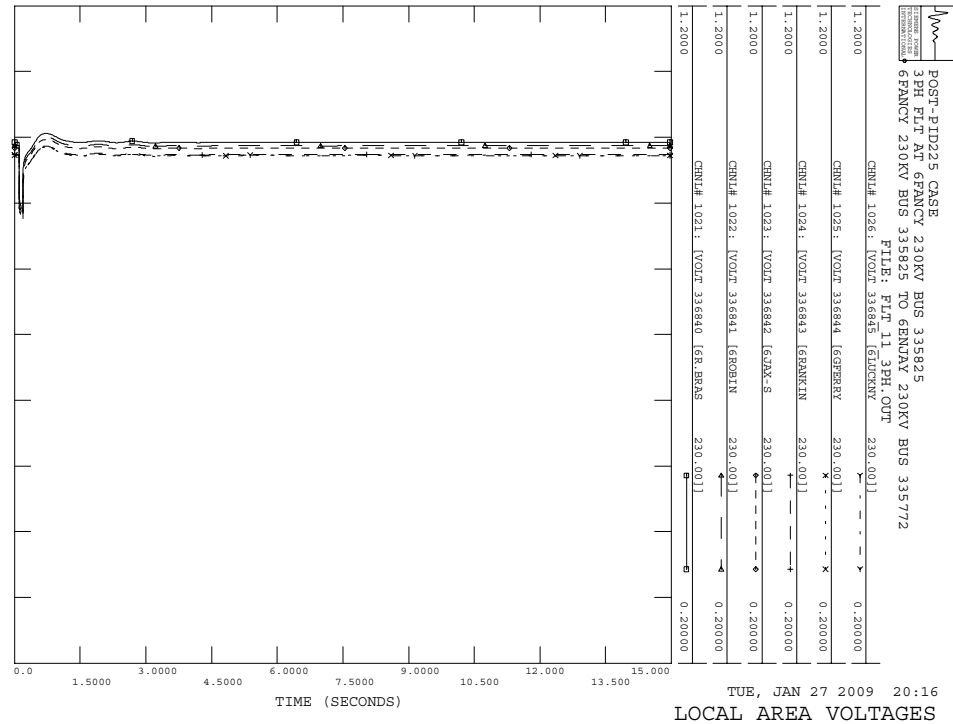
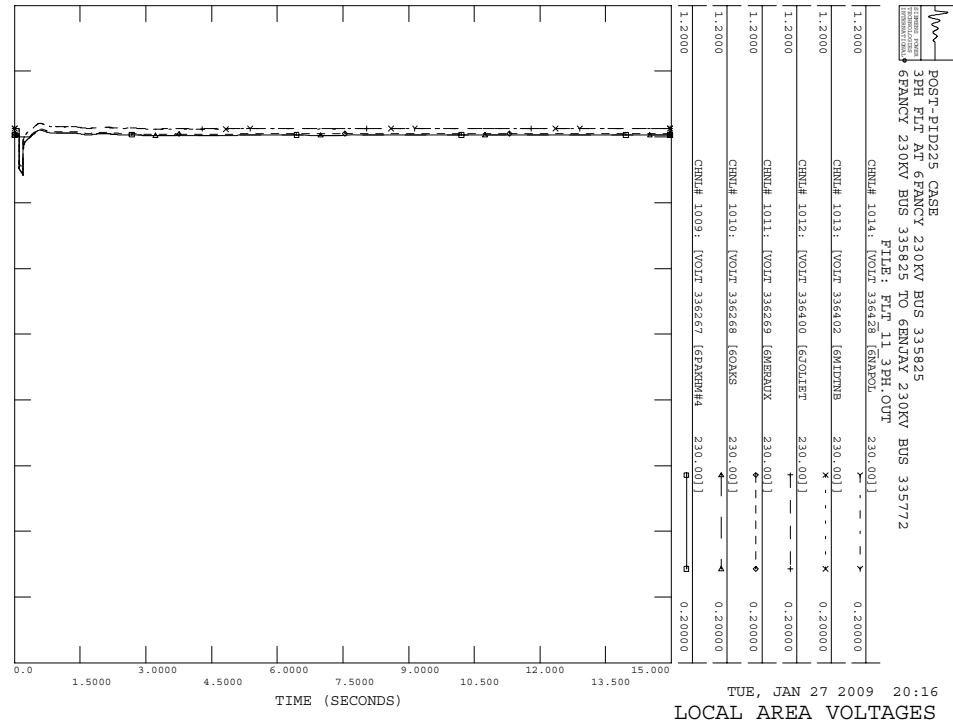
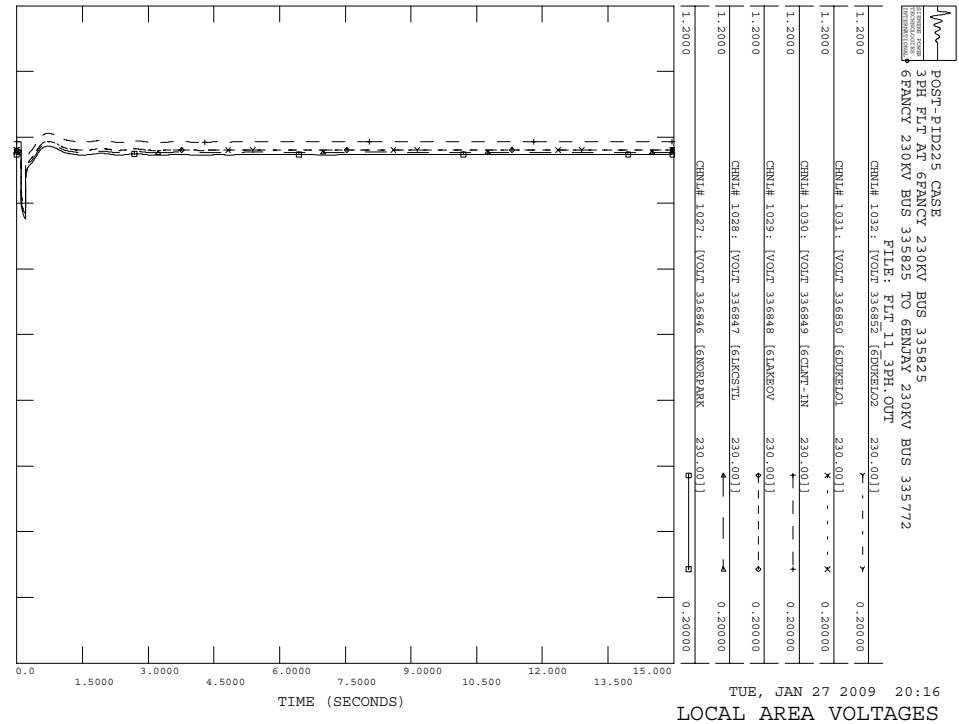
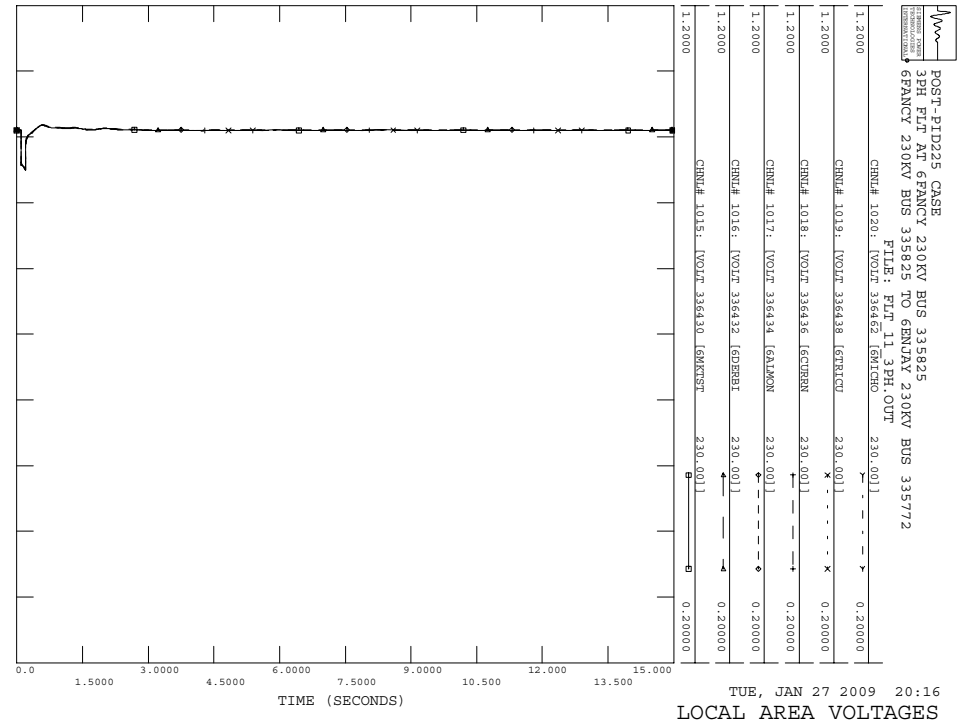


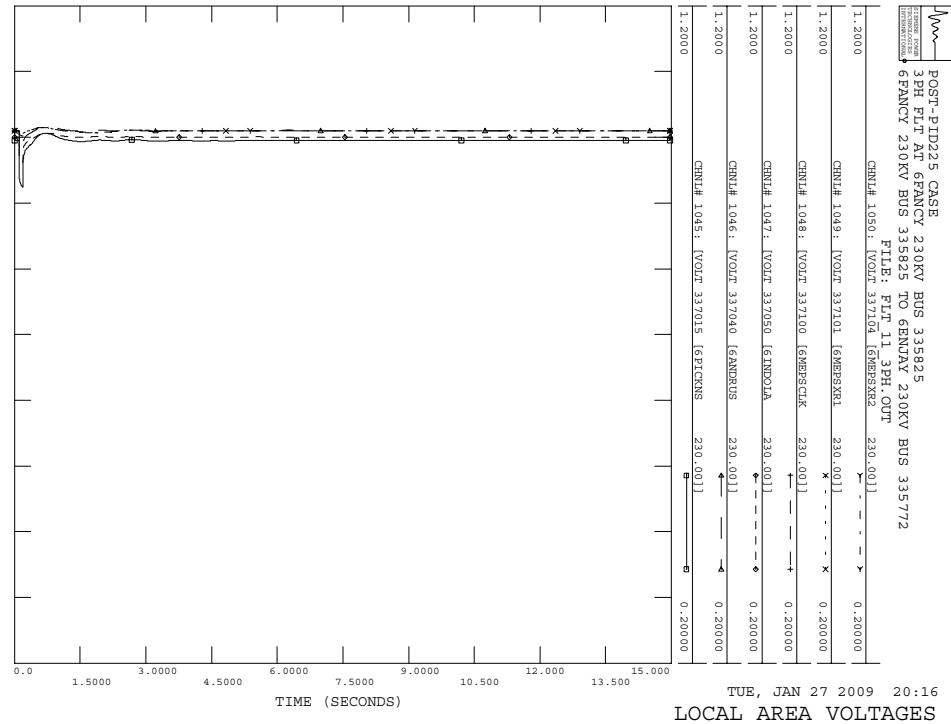
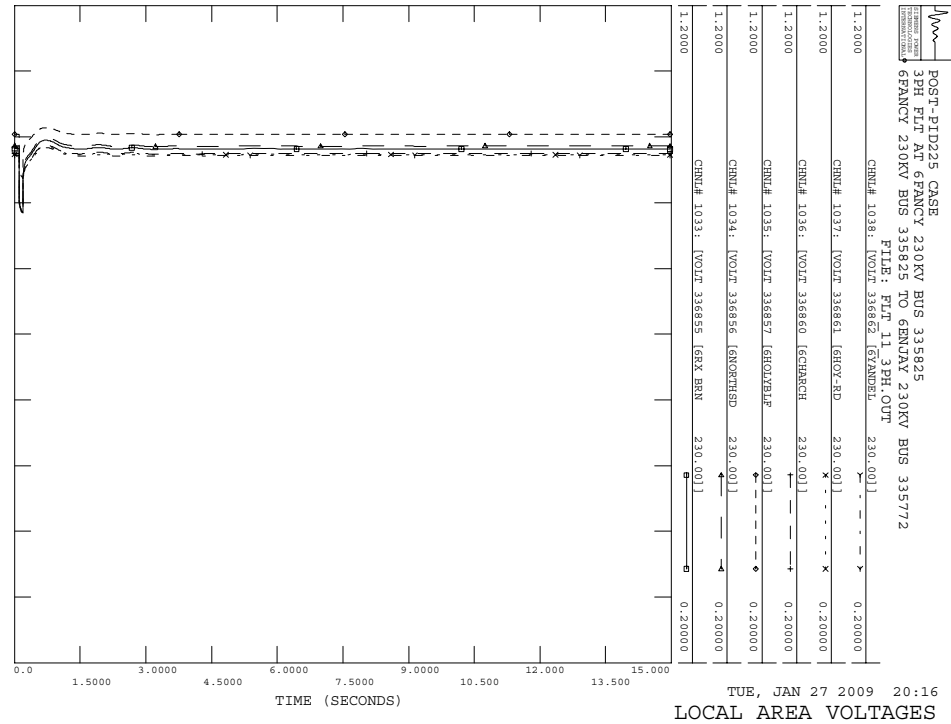
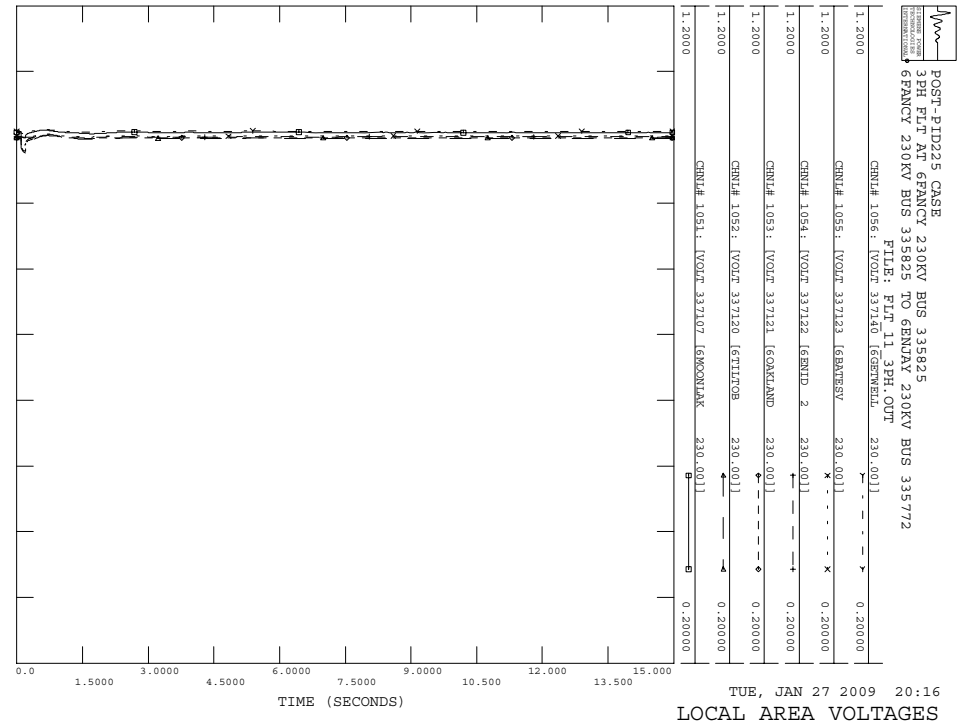
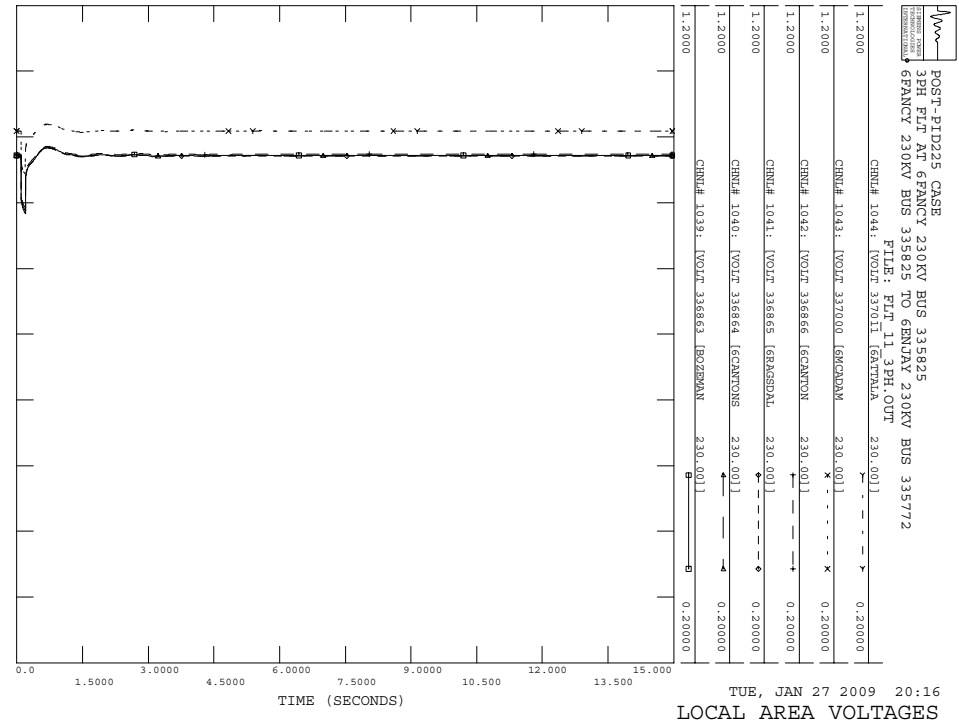


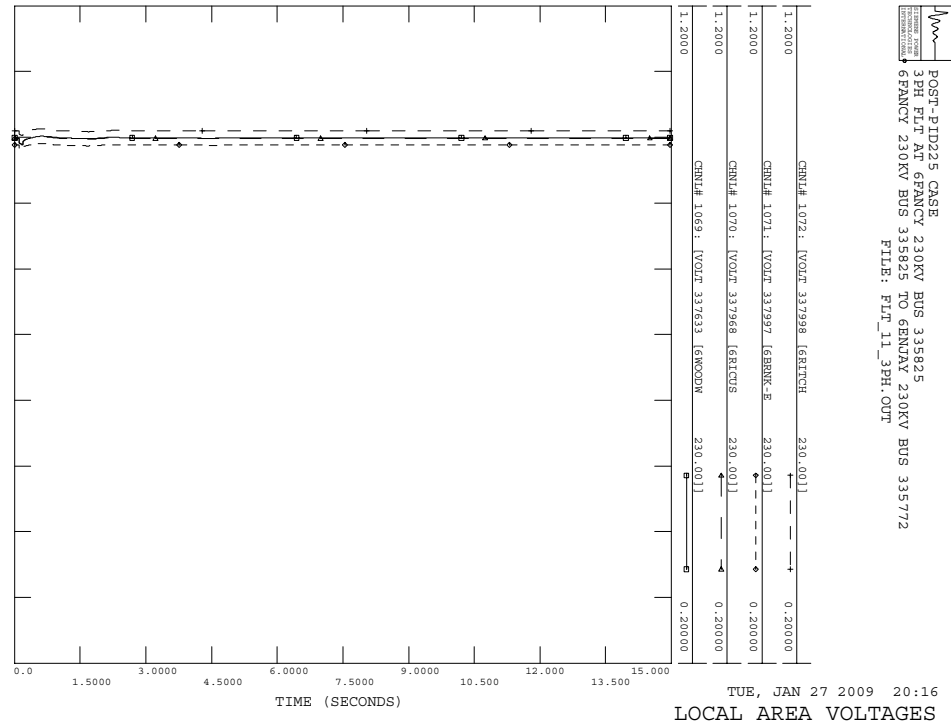
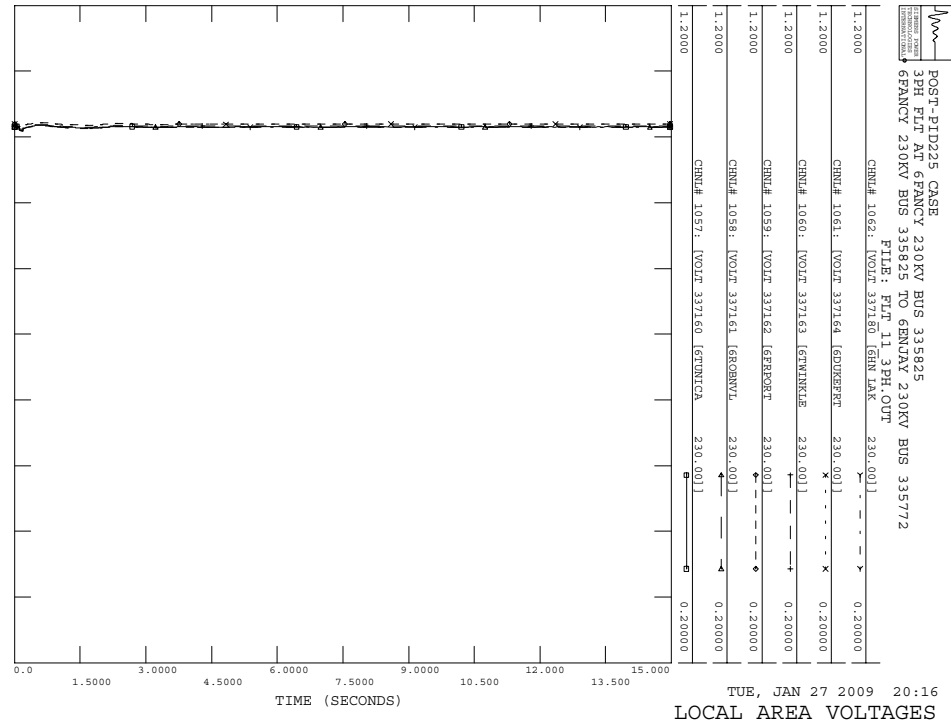
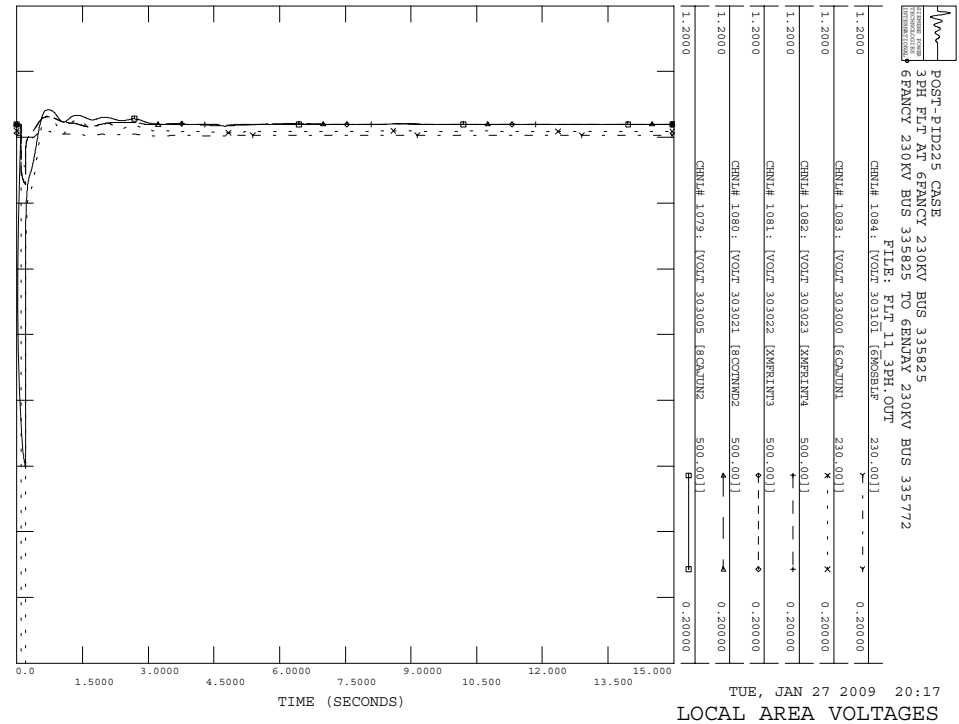
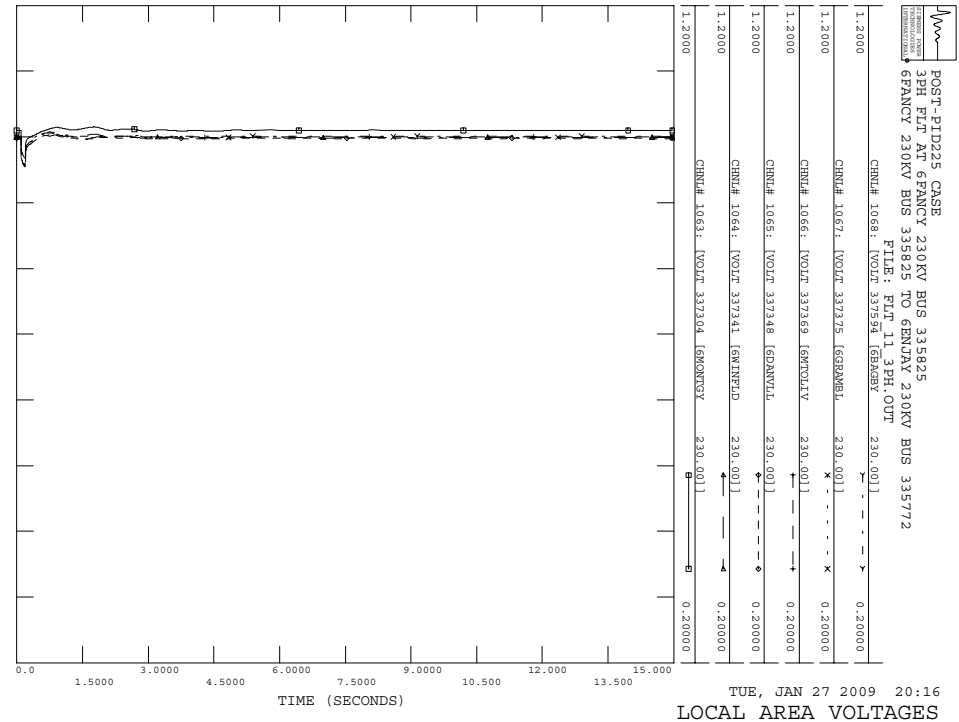


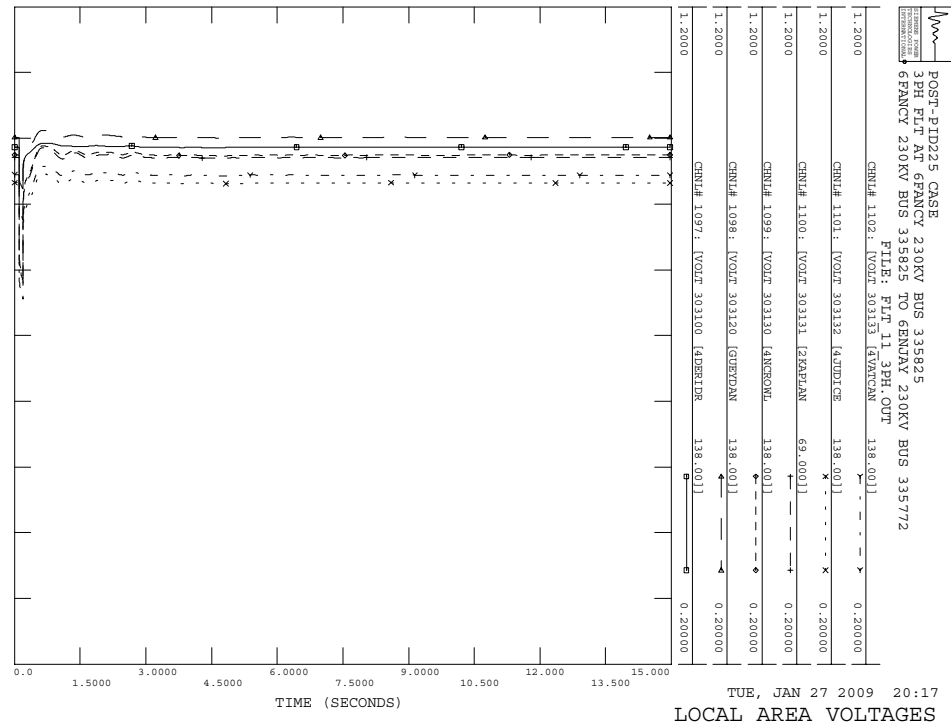
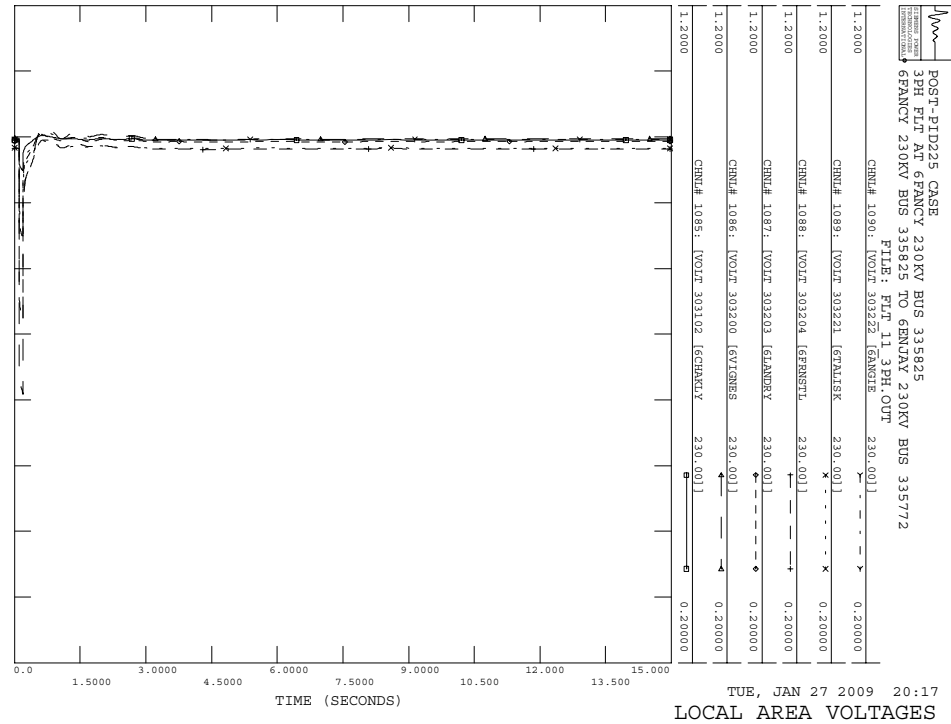
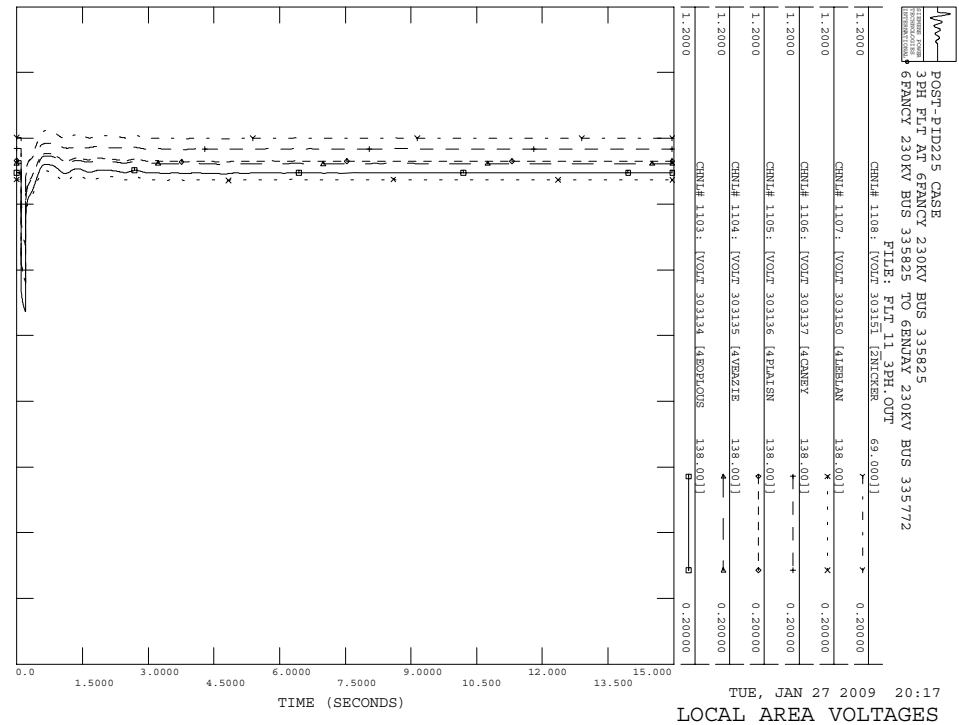
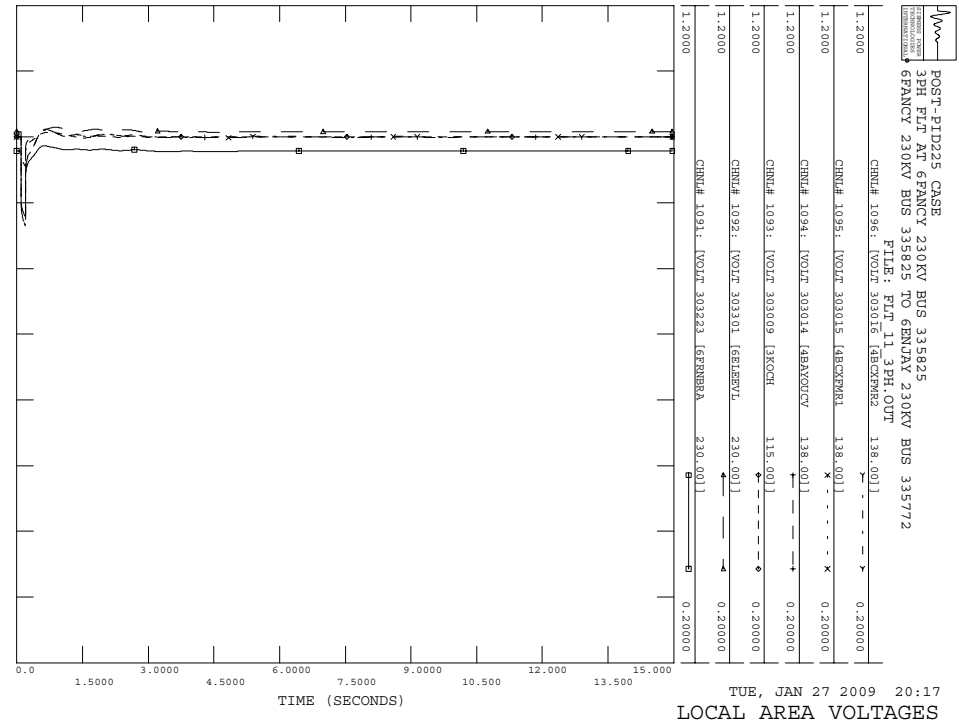


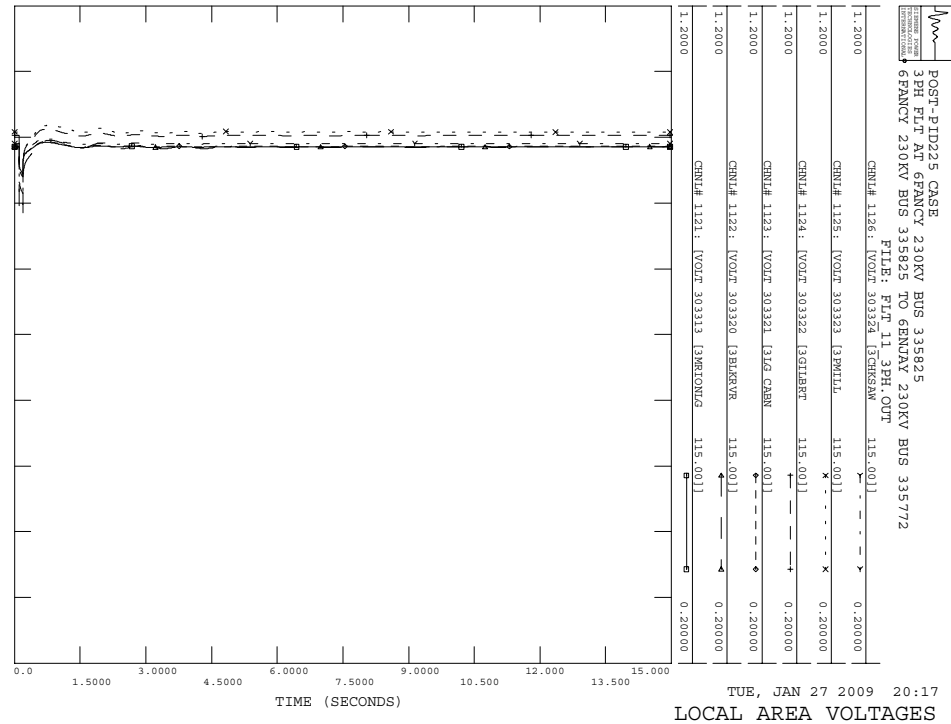
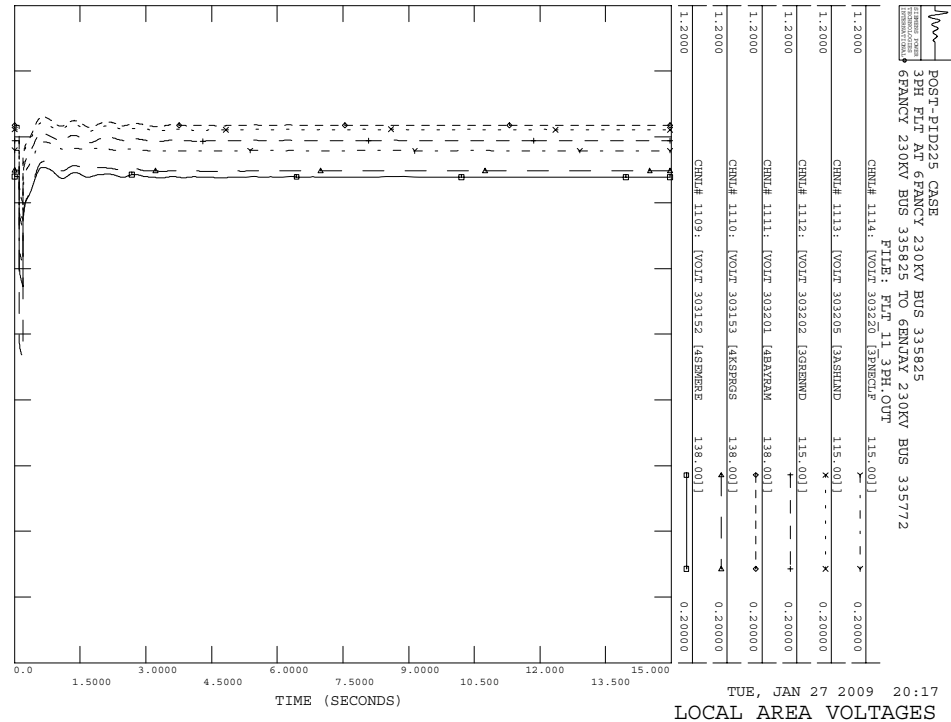
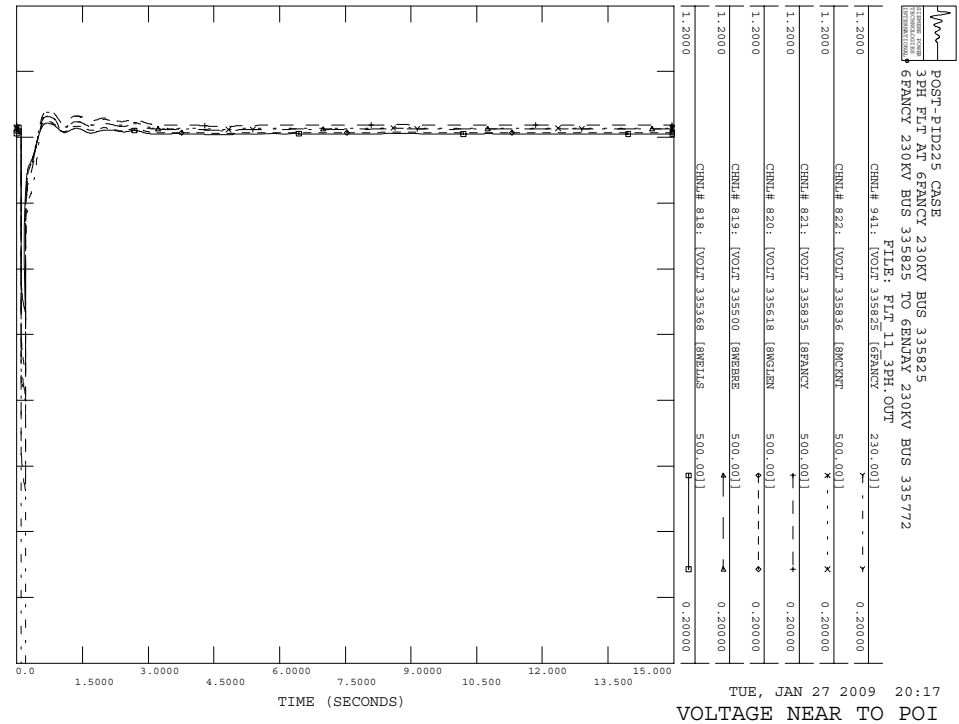
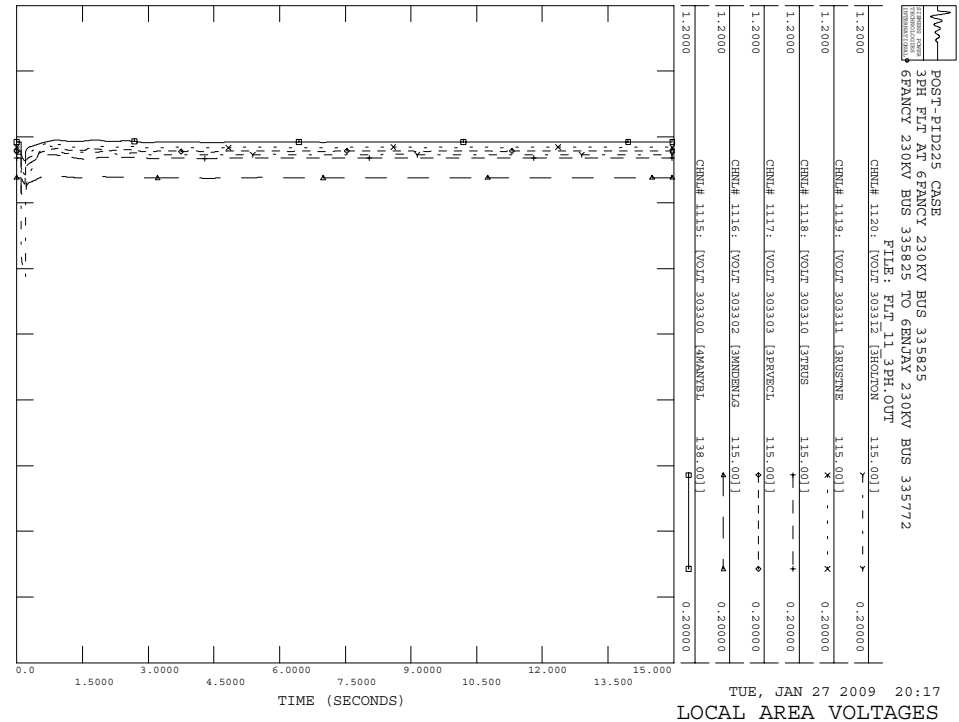








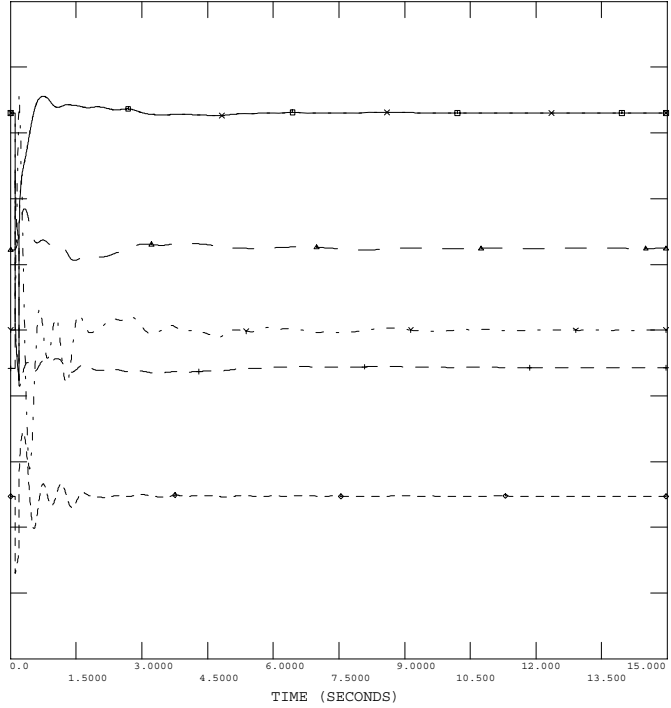






POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6BNTX 230KV BUS 335772
FILE: FLT_11_3PH.OUT

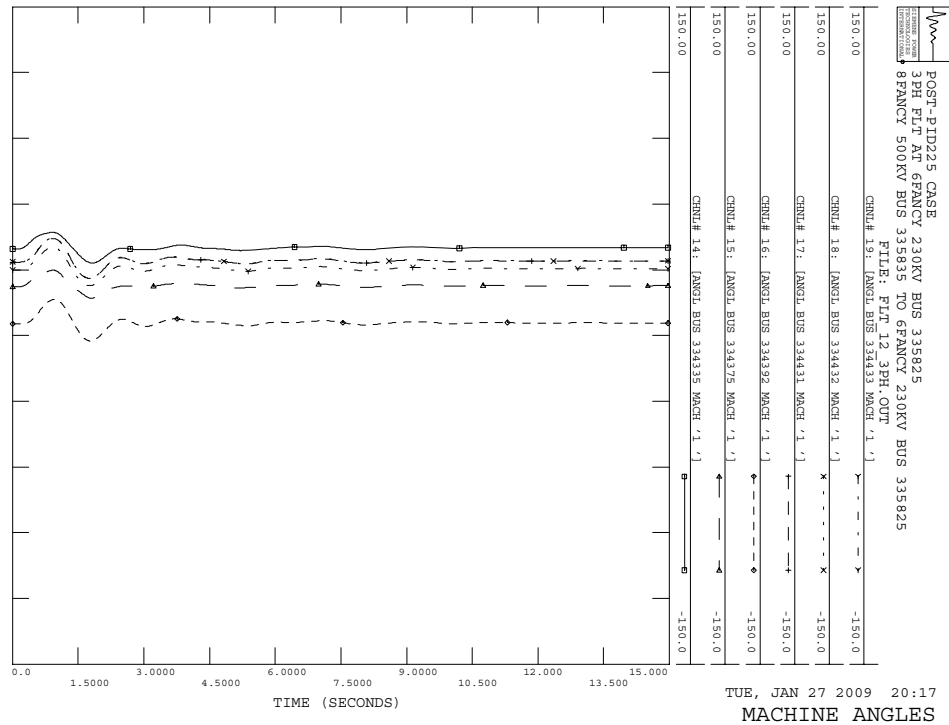
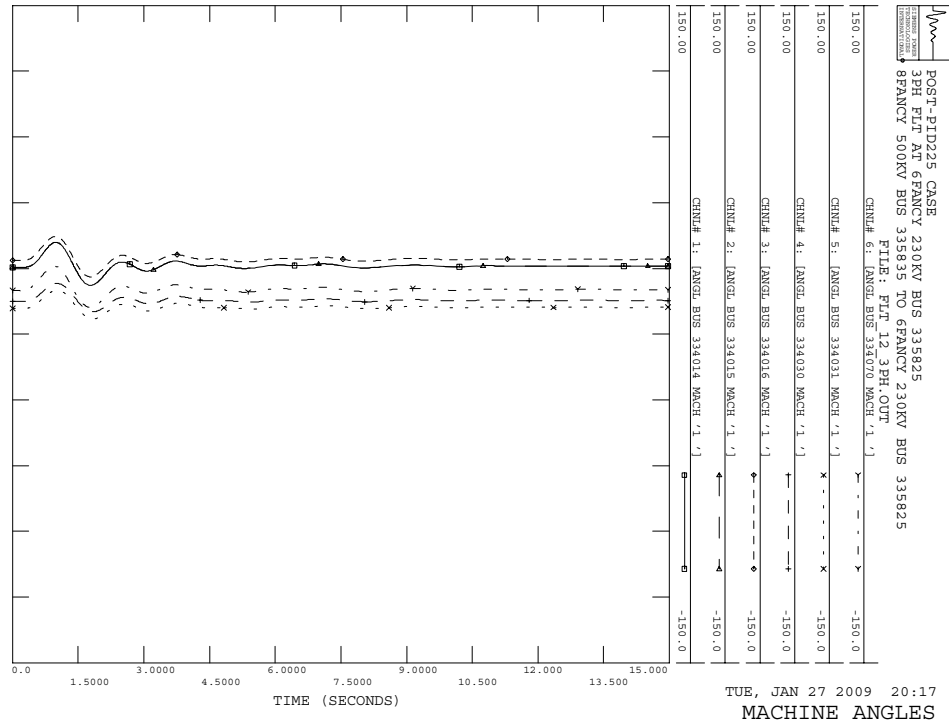
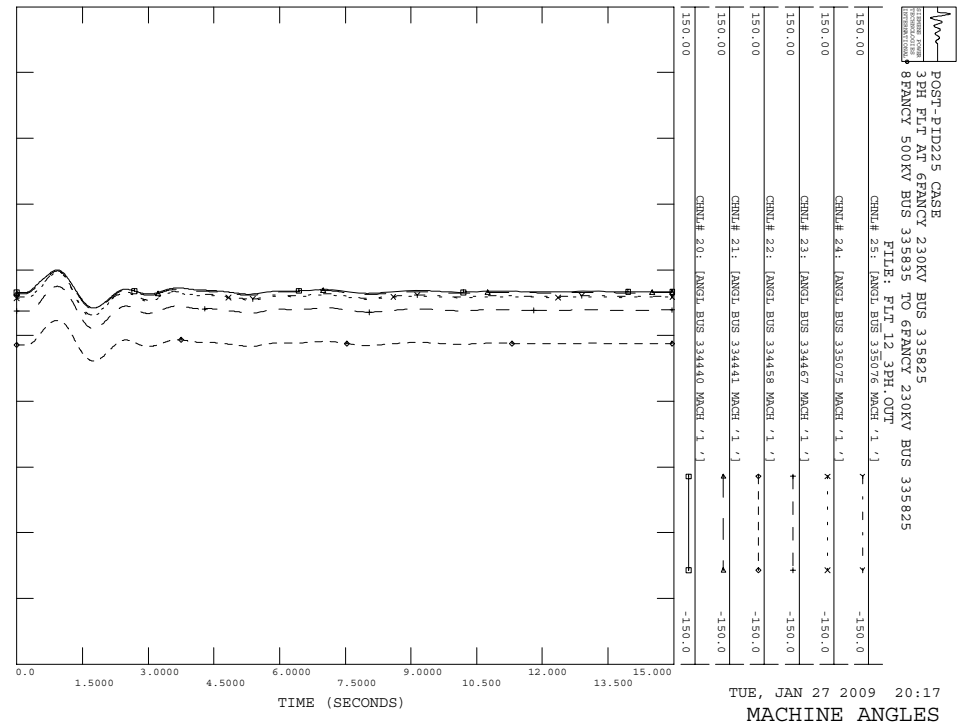
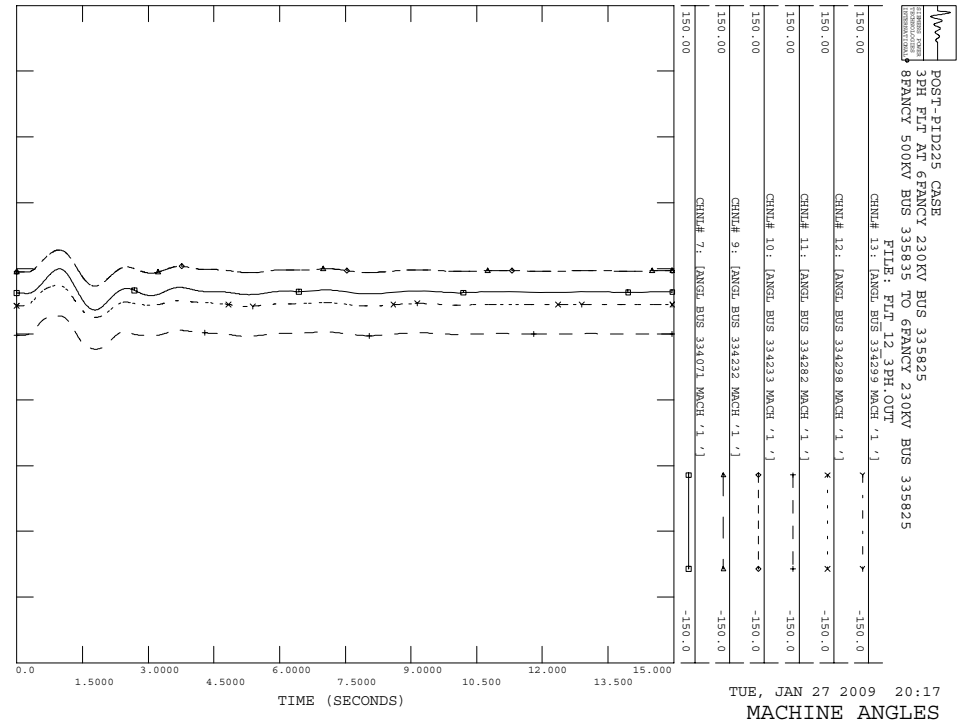
CHN# 1121: [BPD_BUS 303008 WACH '1 '']	-0.0100
CHN# 1131: [ETRM_BUS 303008 WACH '1 '']	0.20000
CHN# 1130: [VARS_BUS 303008 WACH '1 '']	-10.00
CHN# 1129: [PCOR_BUS 303008 WACH '1 '']	0.0
CHN# 1128: [ANGL_BUS 303008 WACH '1 '']	-150.0
CHN# 1127: [VOLT_BUS 303008 WACH '1 '']	24.000

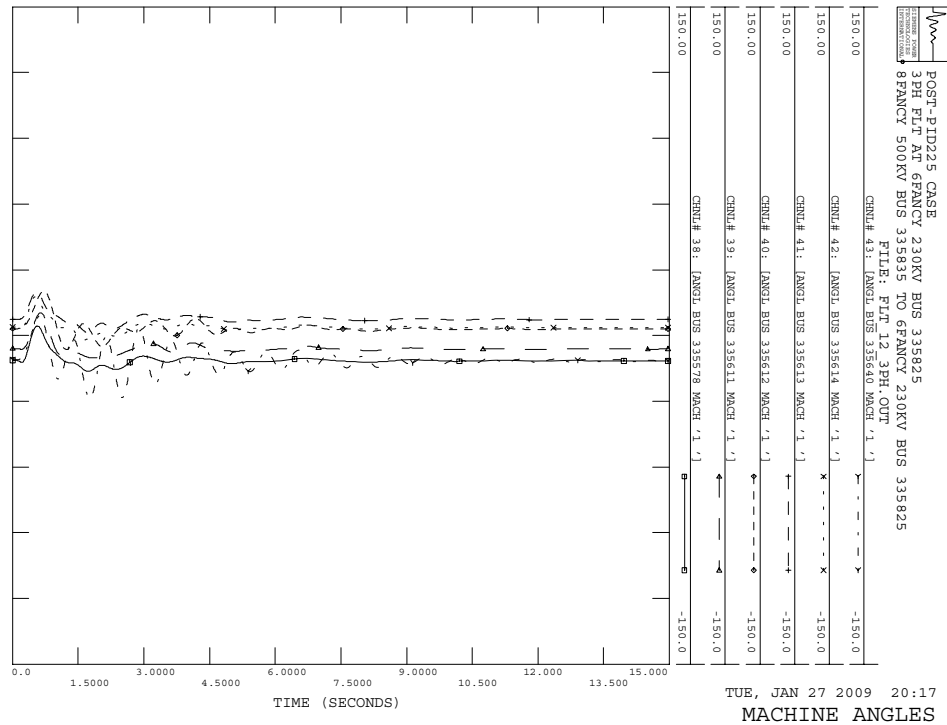
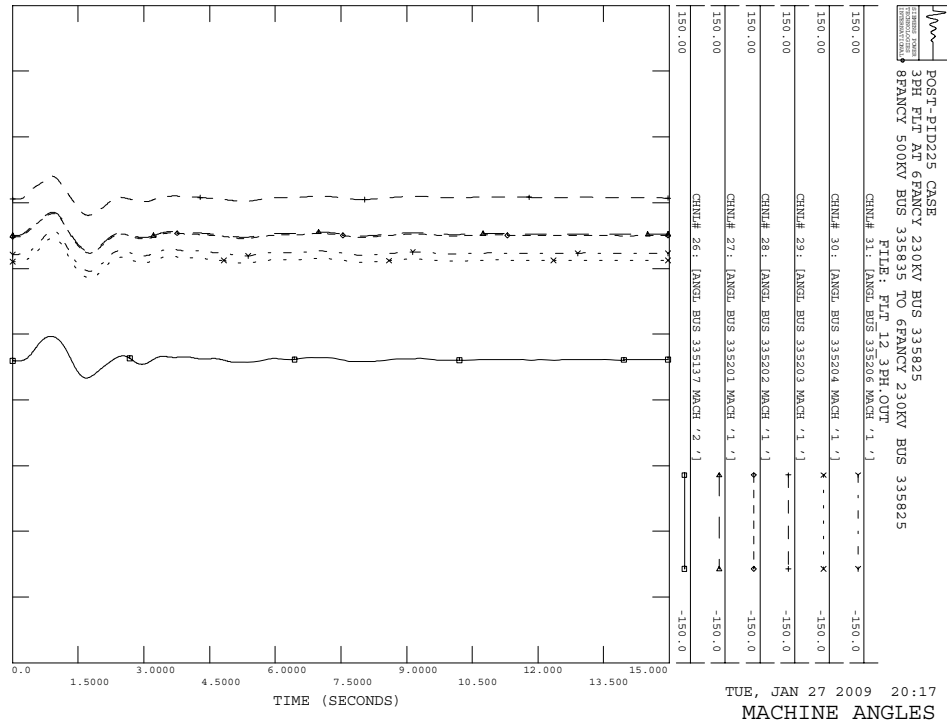
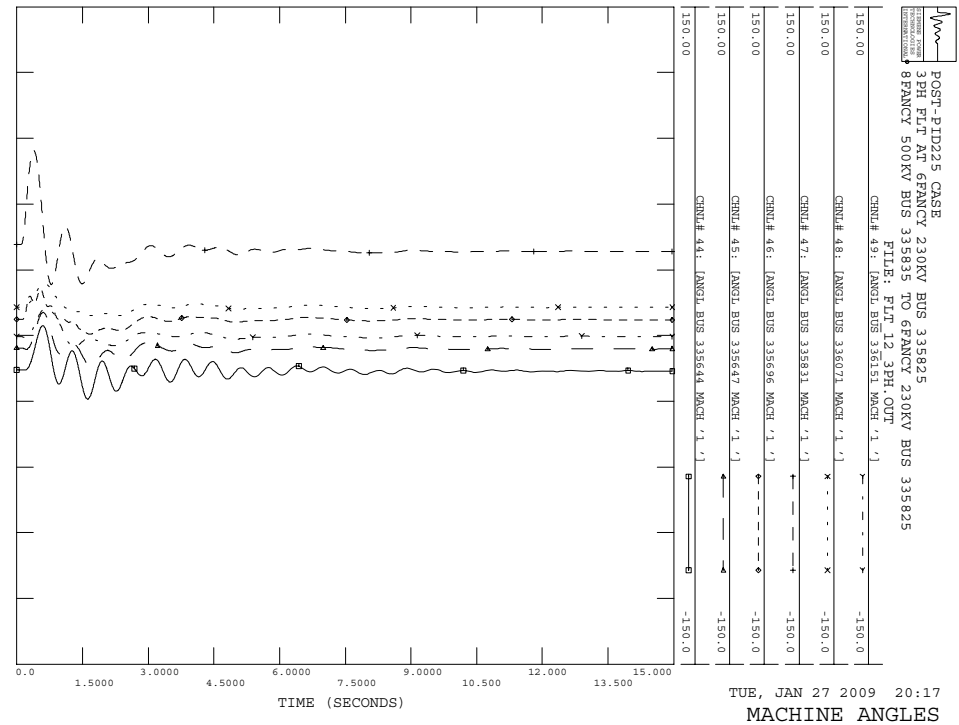
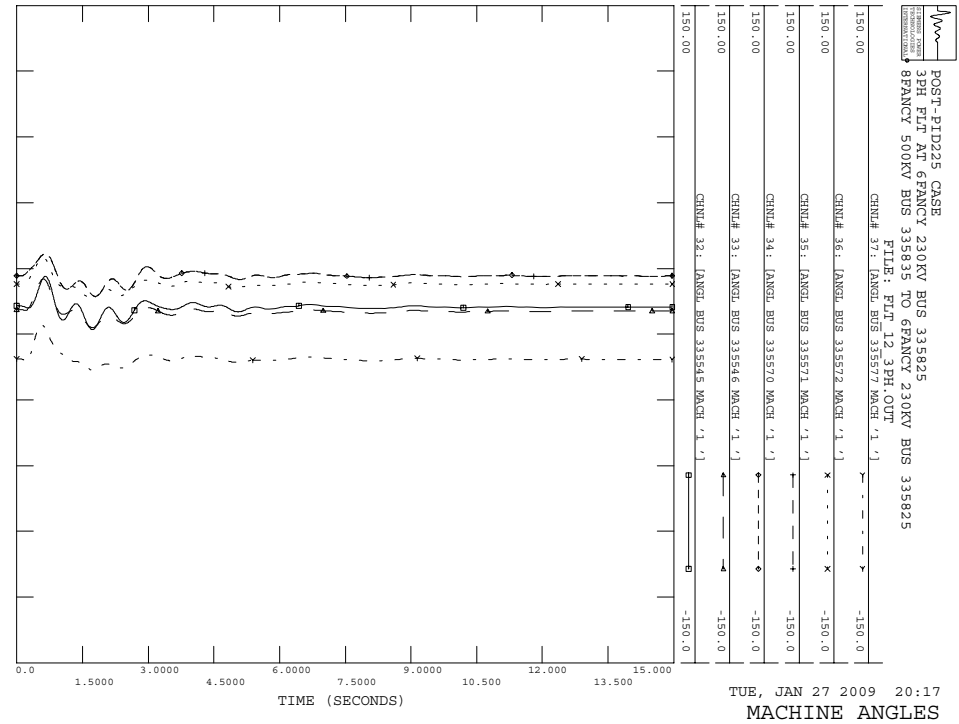


C.12 FLT_12_3PH

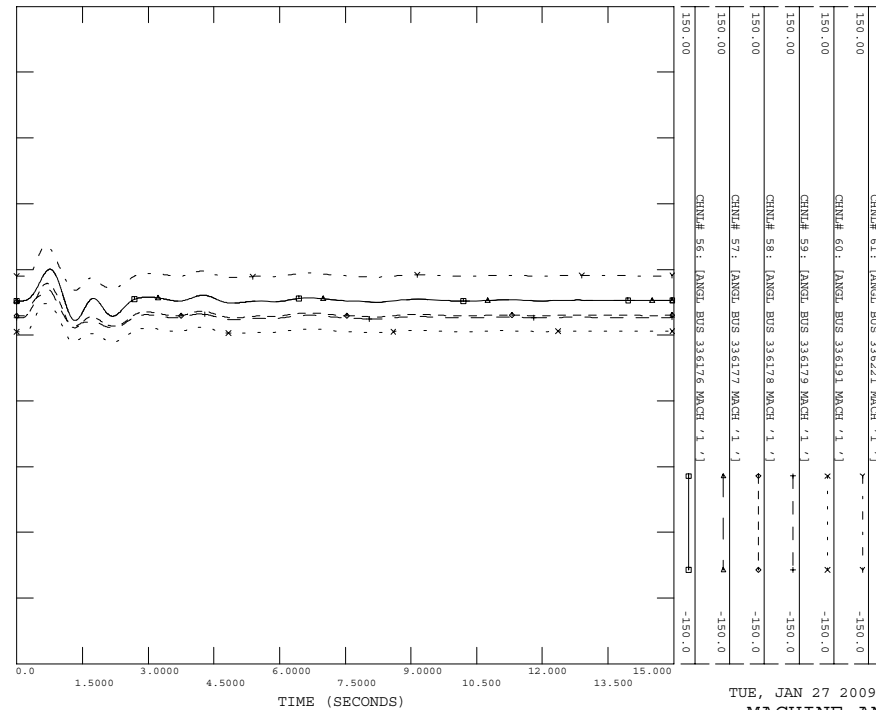
Three phase fault on the 6FANCY (#335825) to 8FANCY (#335835) branch, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Clear fault after 6 cycles by tripping line from 8FANCY 500KV BUS 335835 TO 6FANCY 230KV BUS 335825

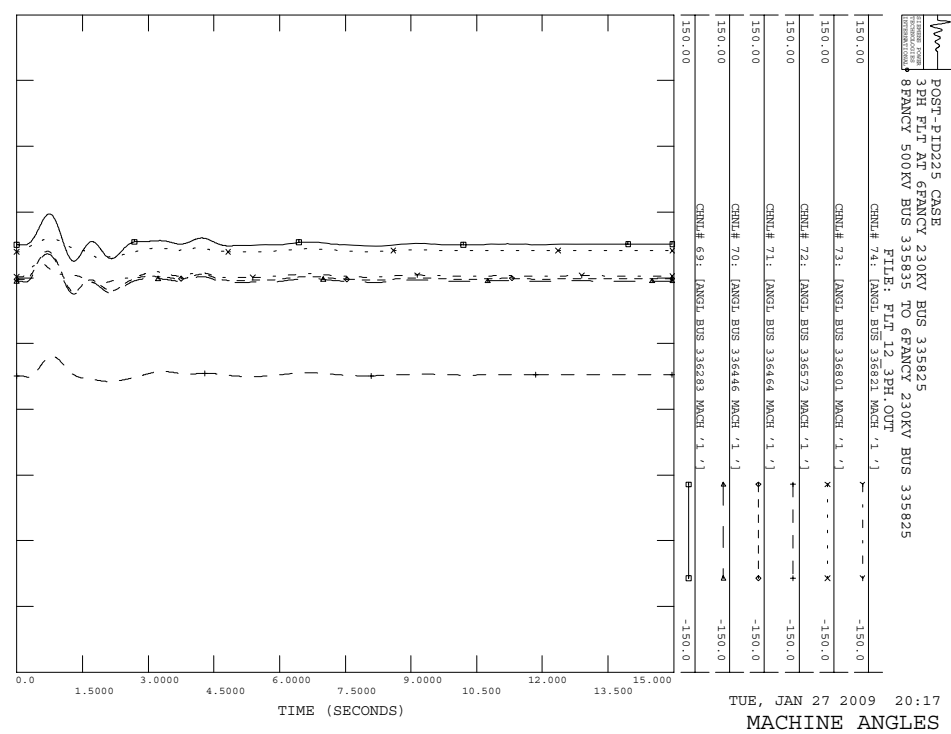




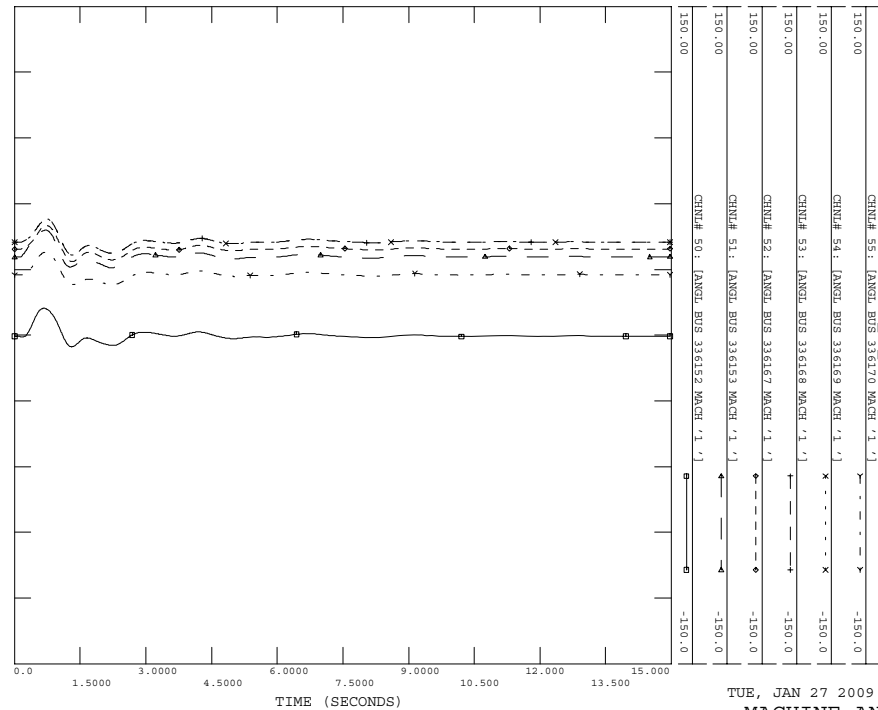
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



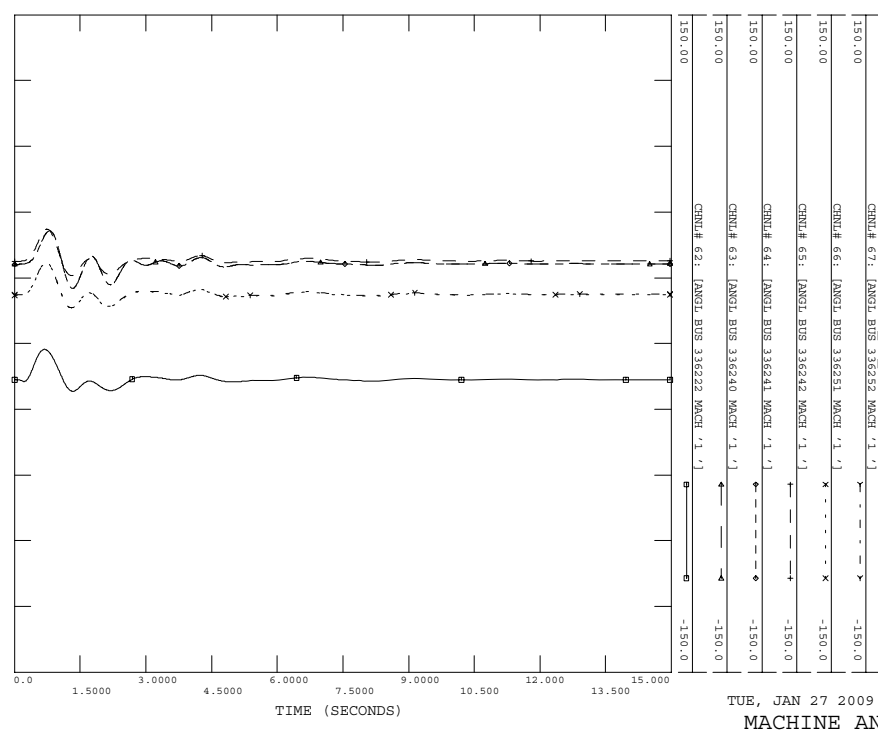
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

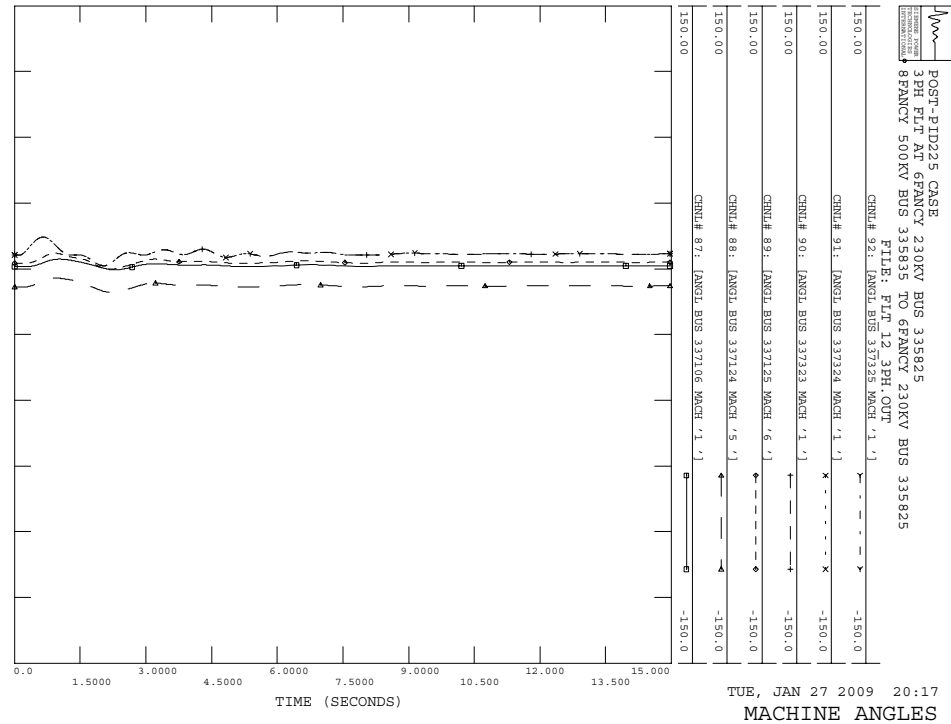
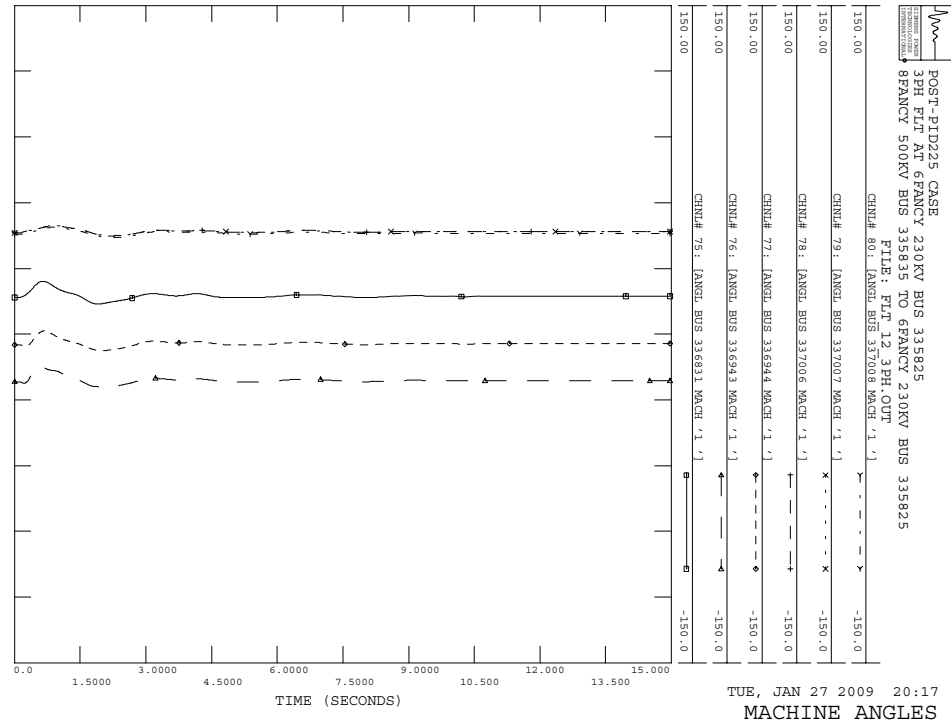
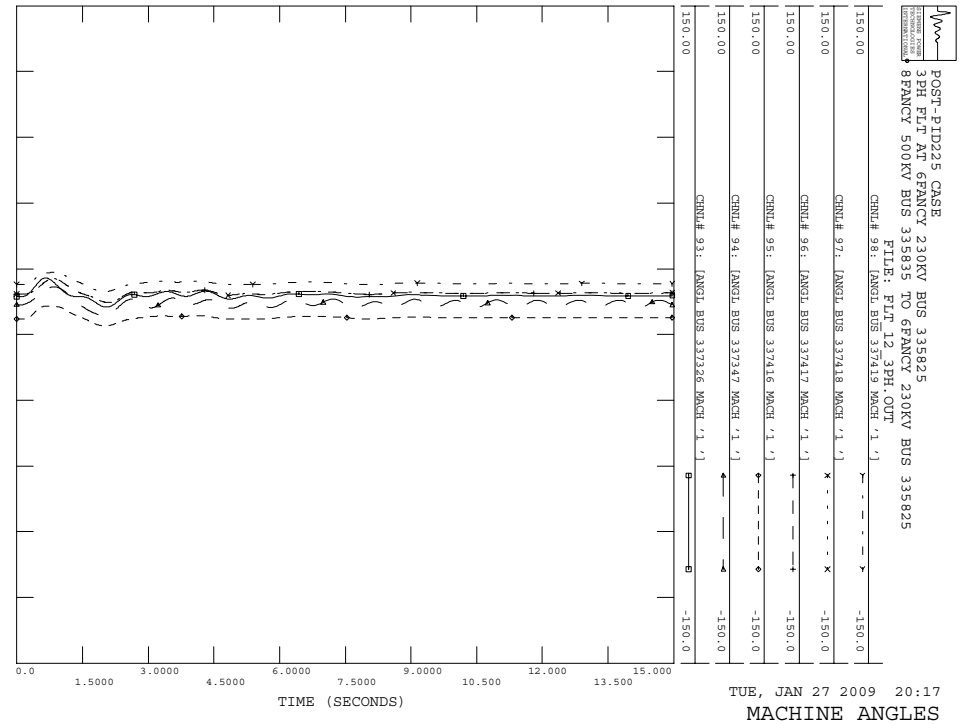
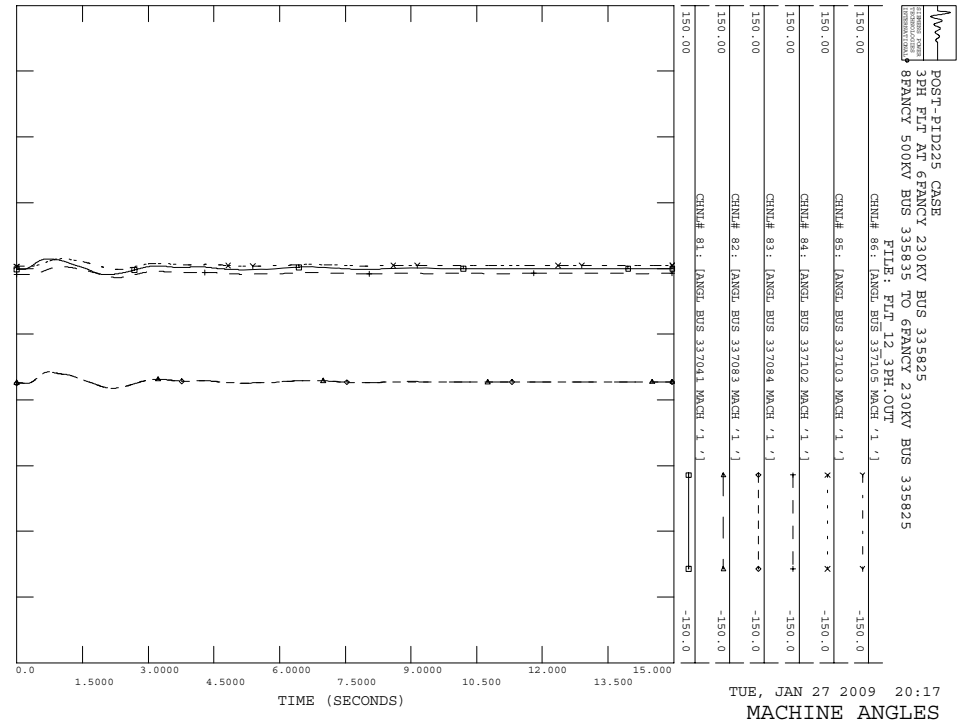


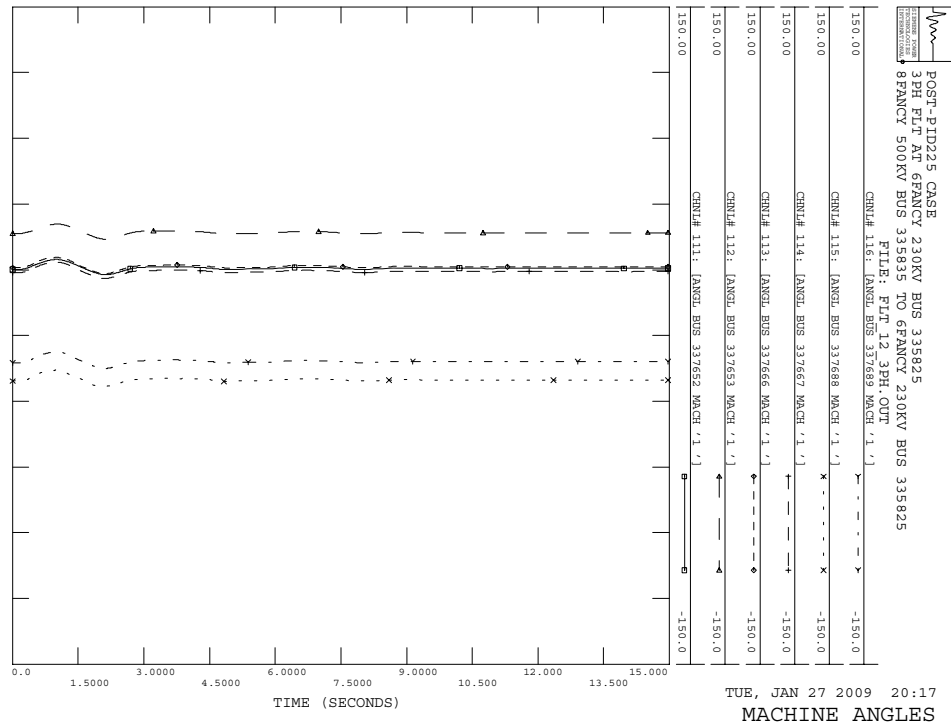
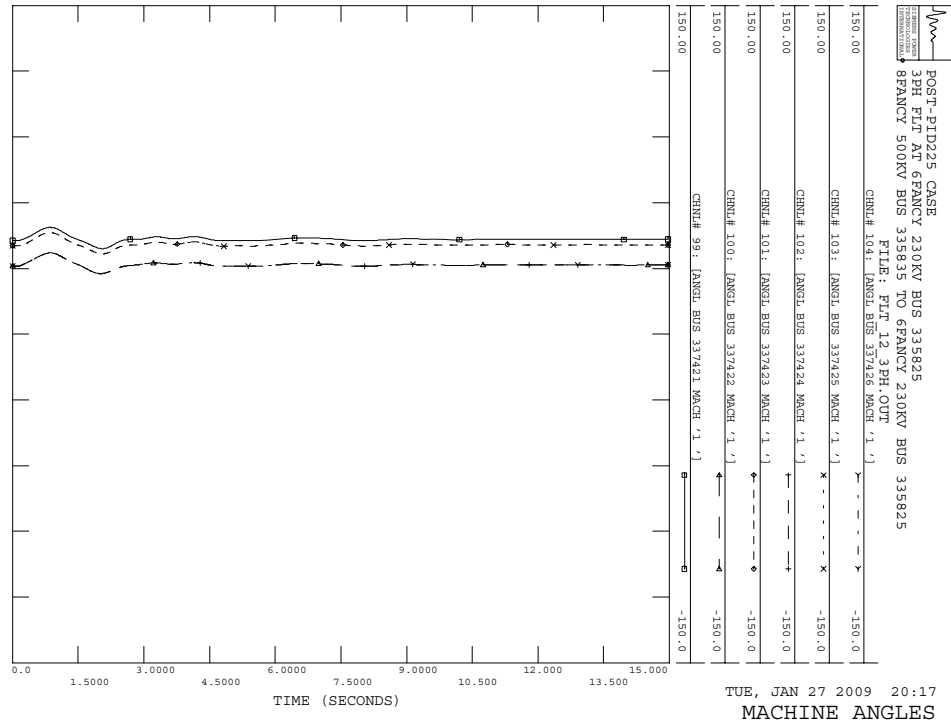
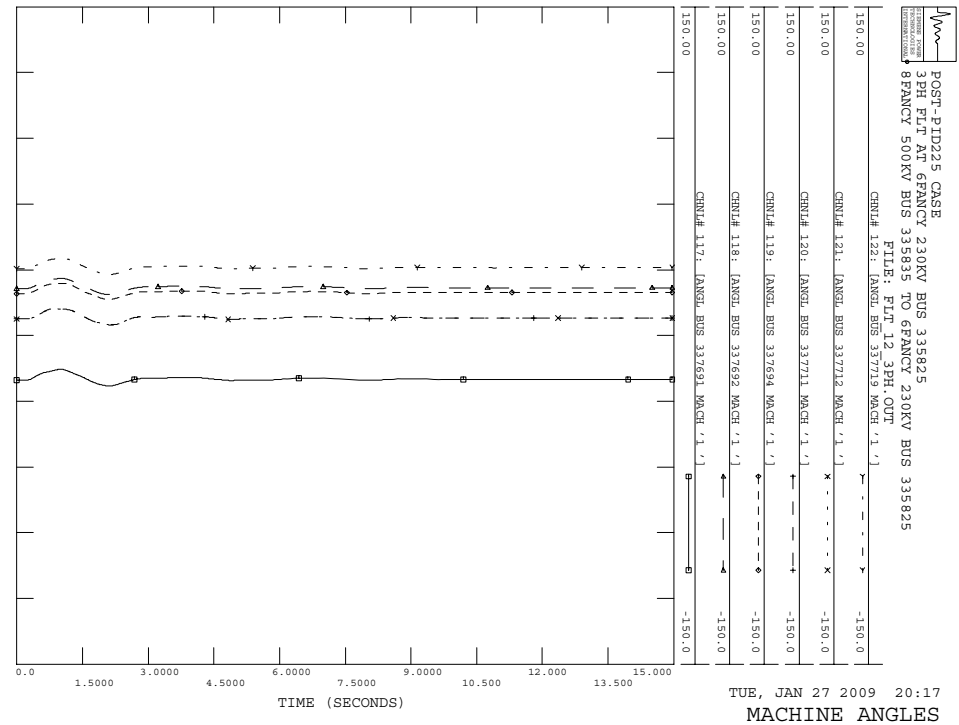
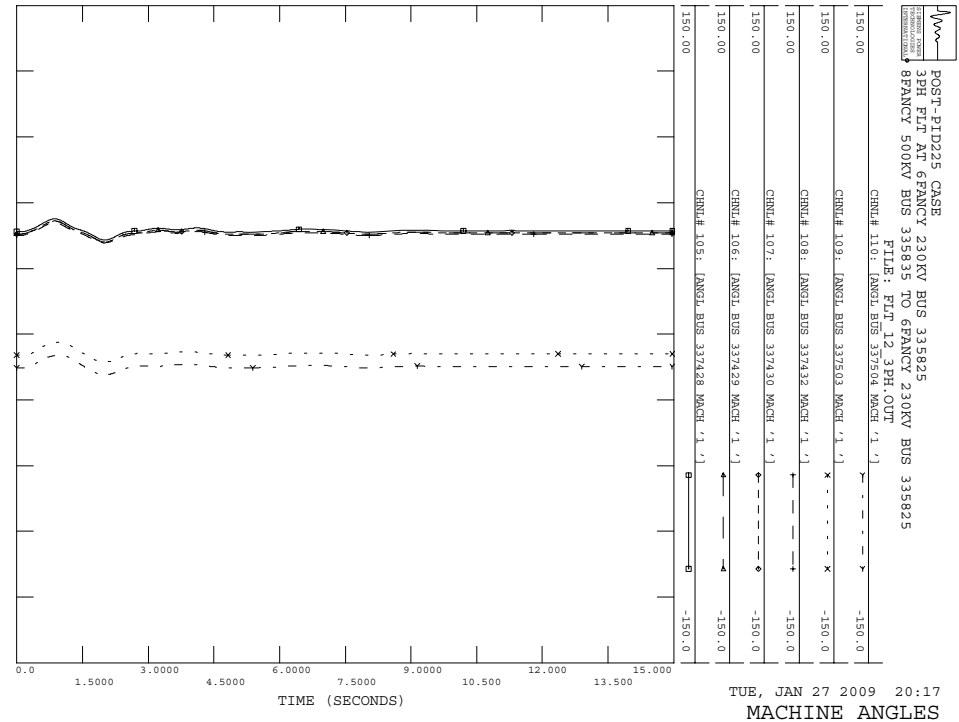
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



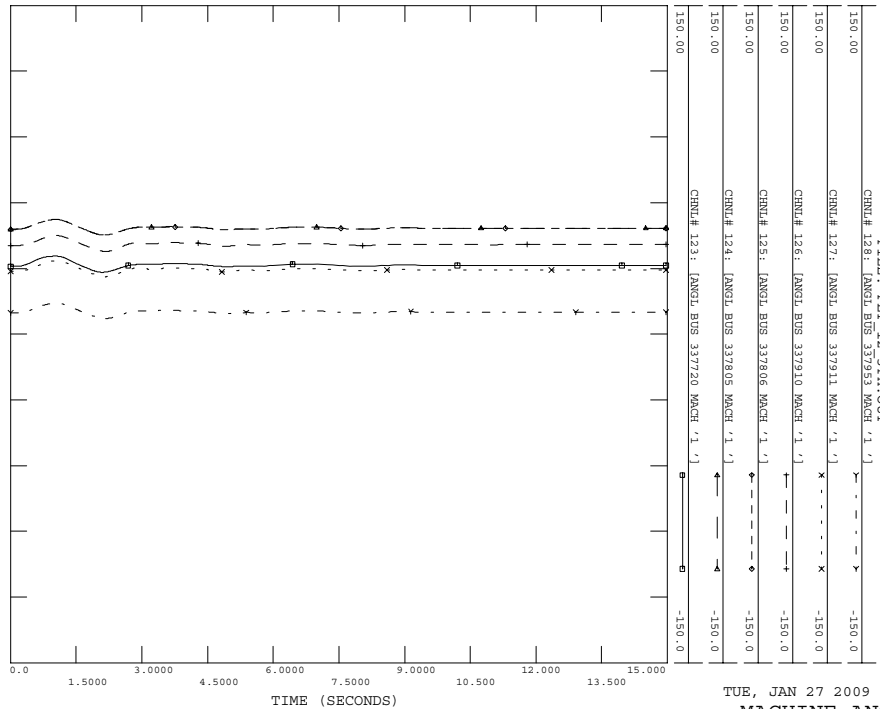
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



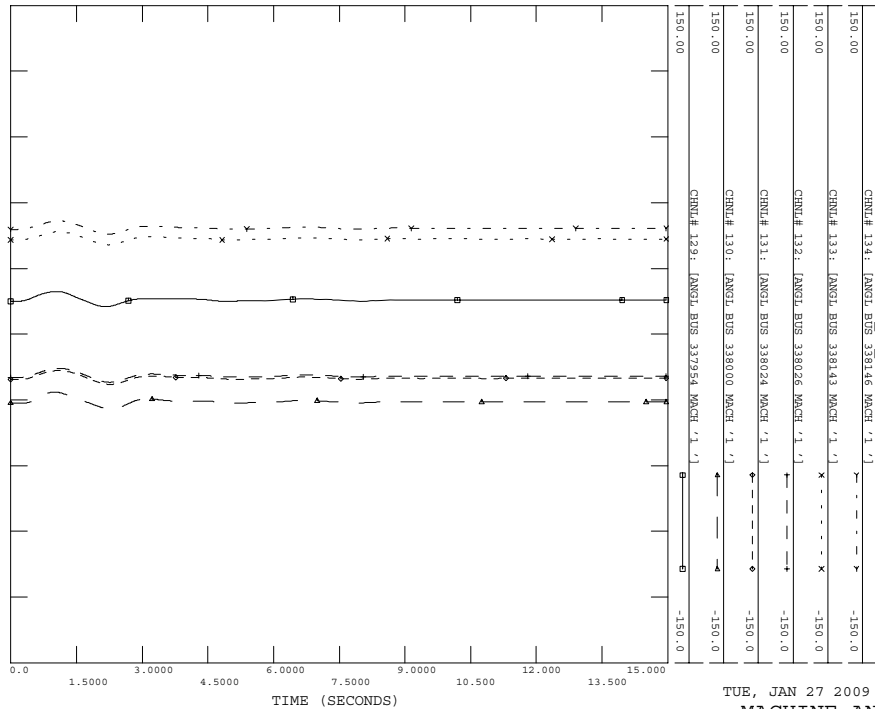




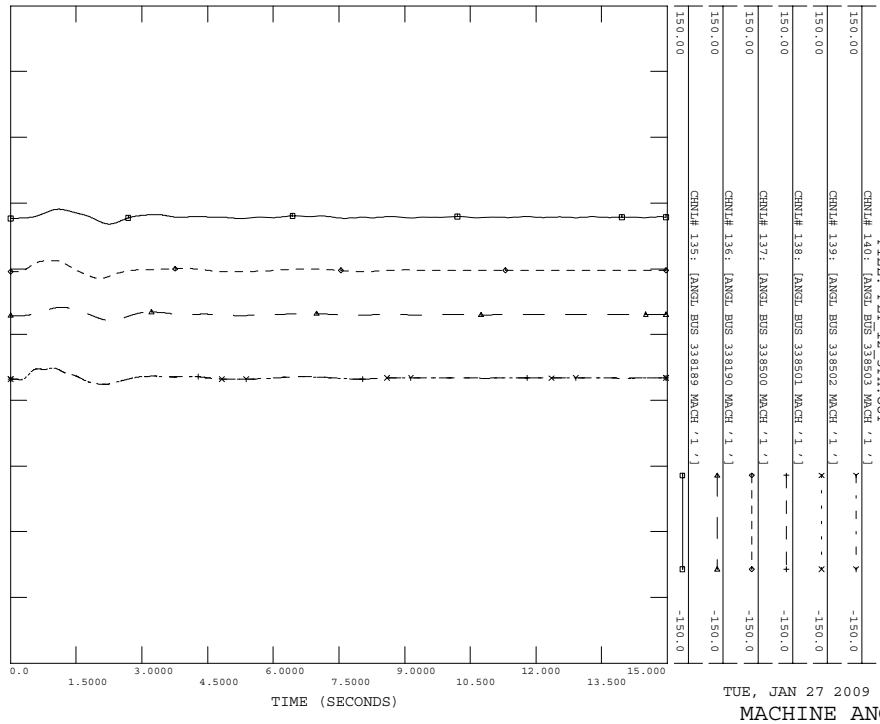
POST-PID25 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



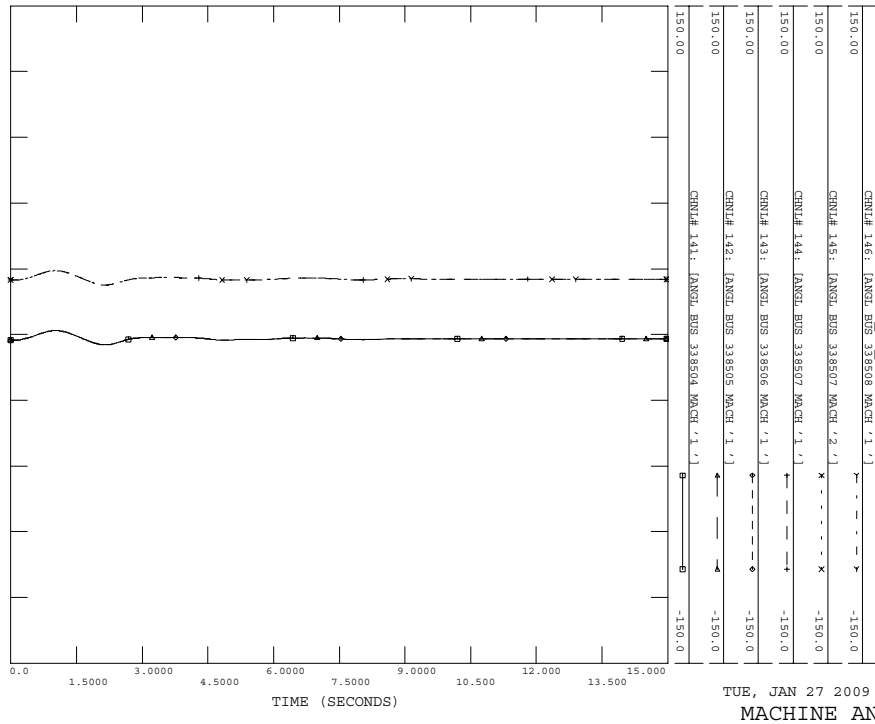
POST-PID25 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

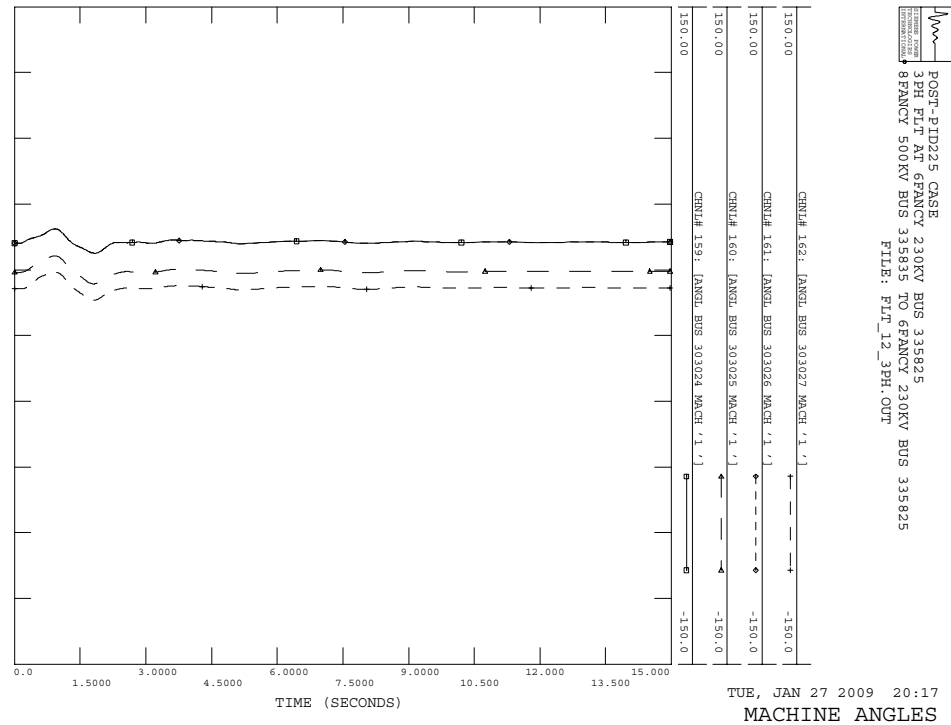
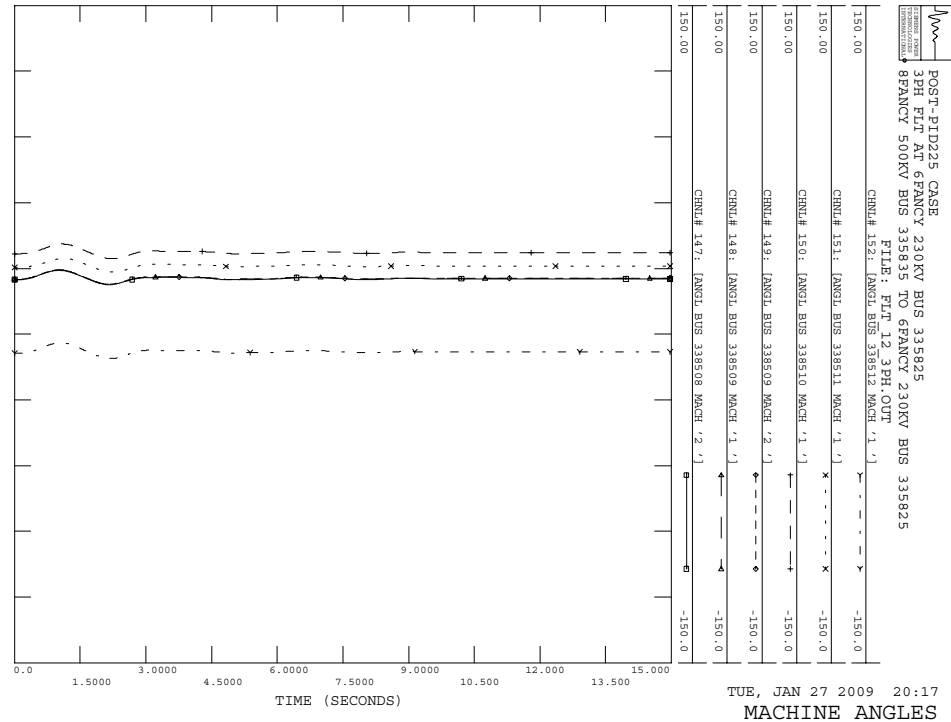
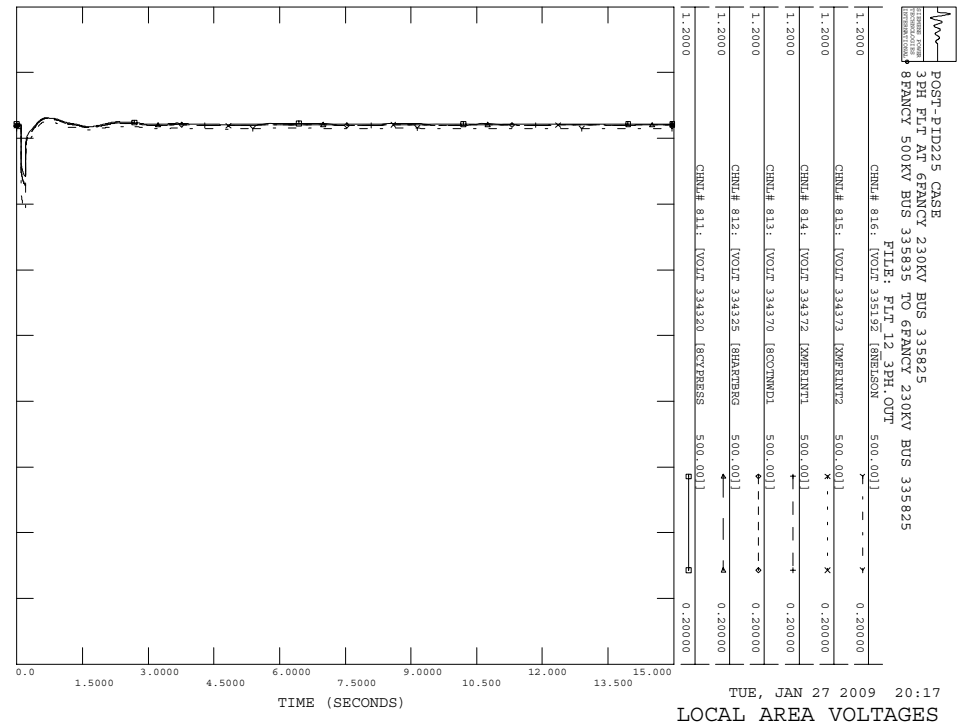
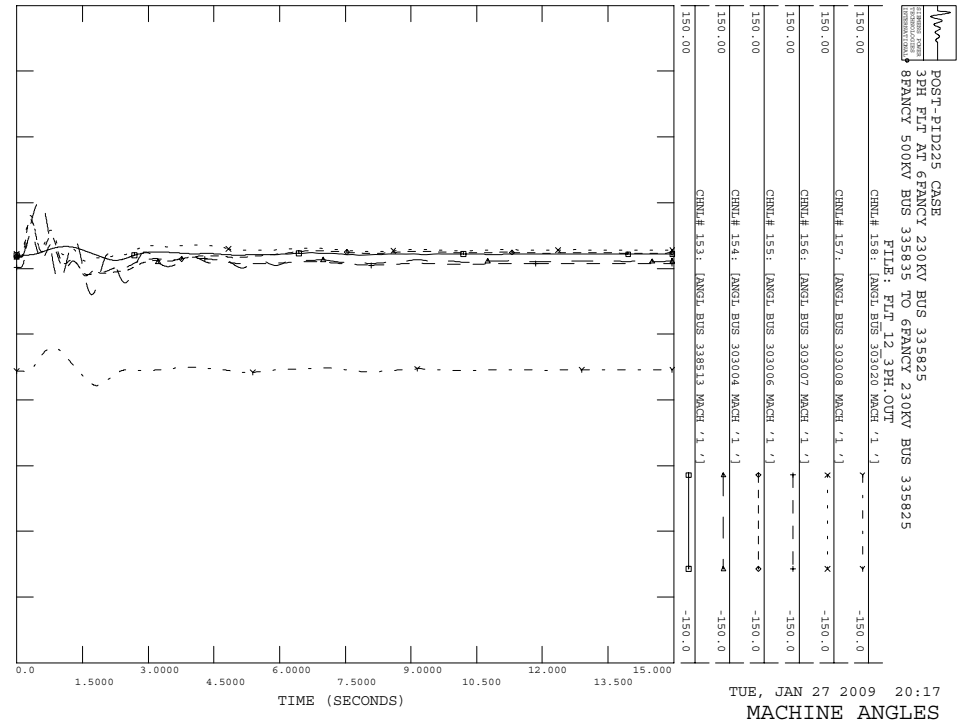


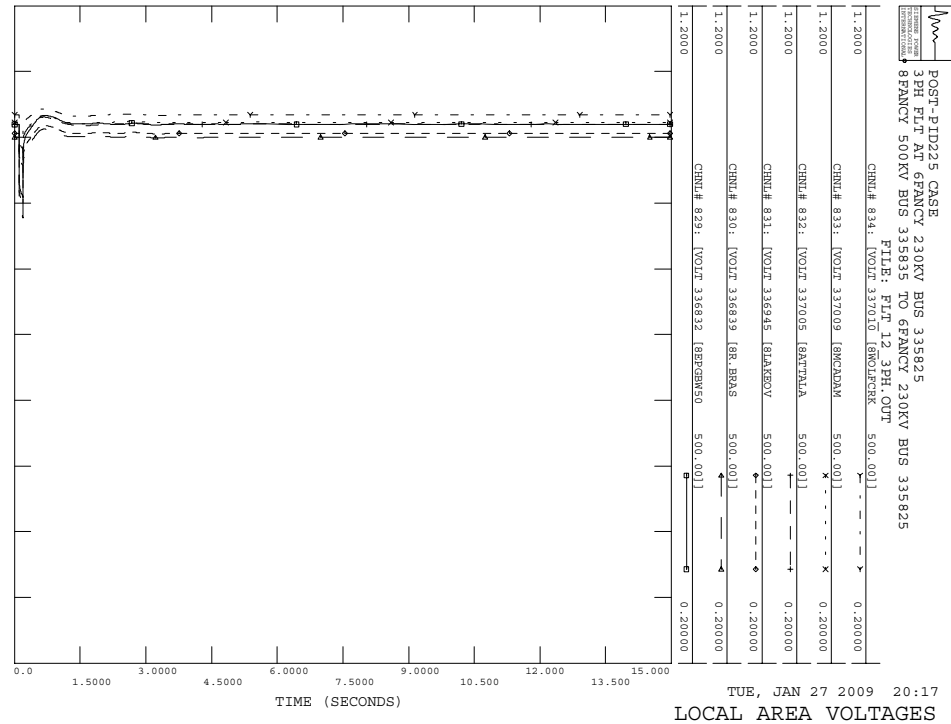
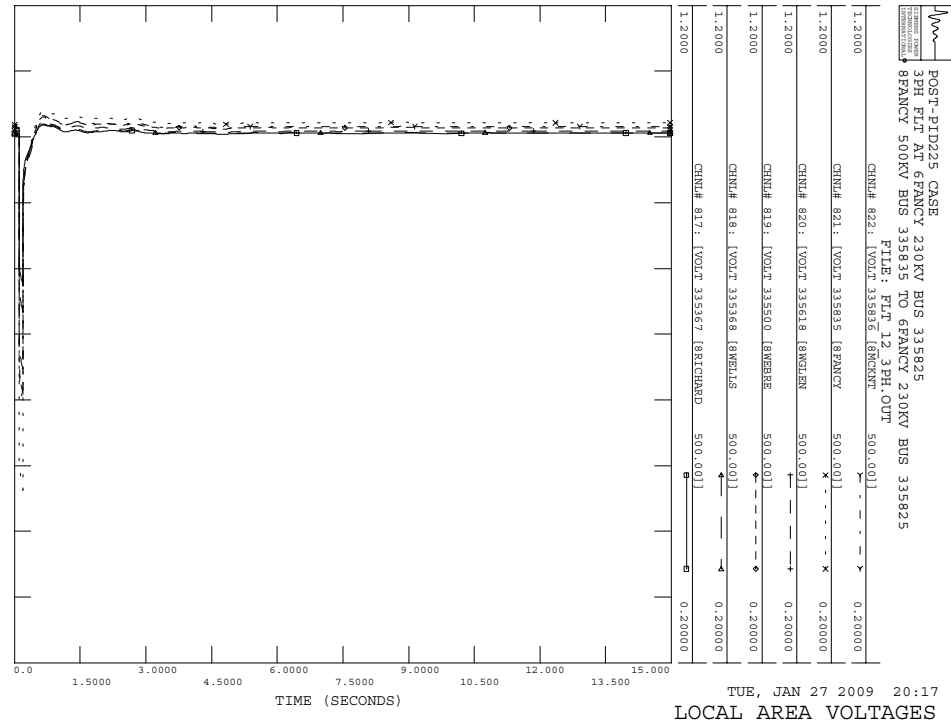
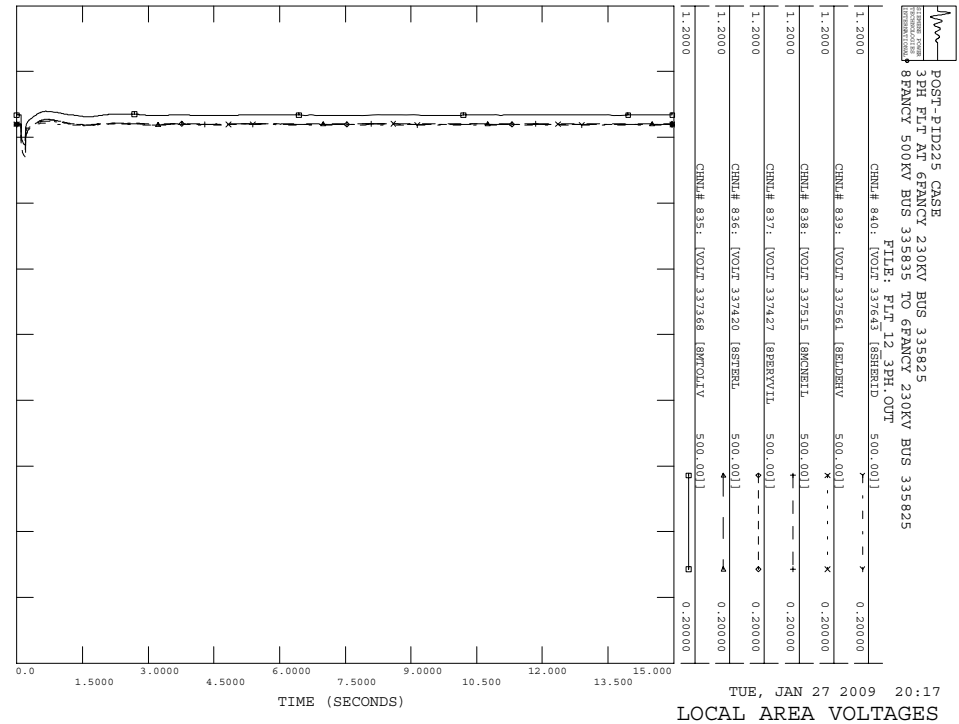
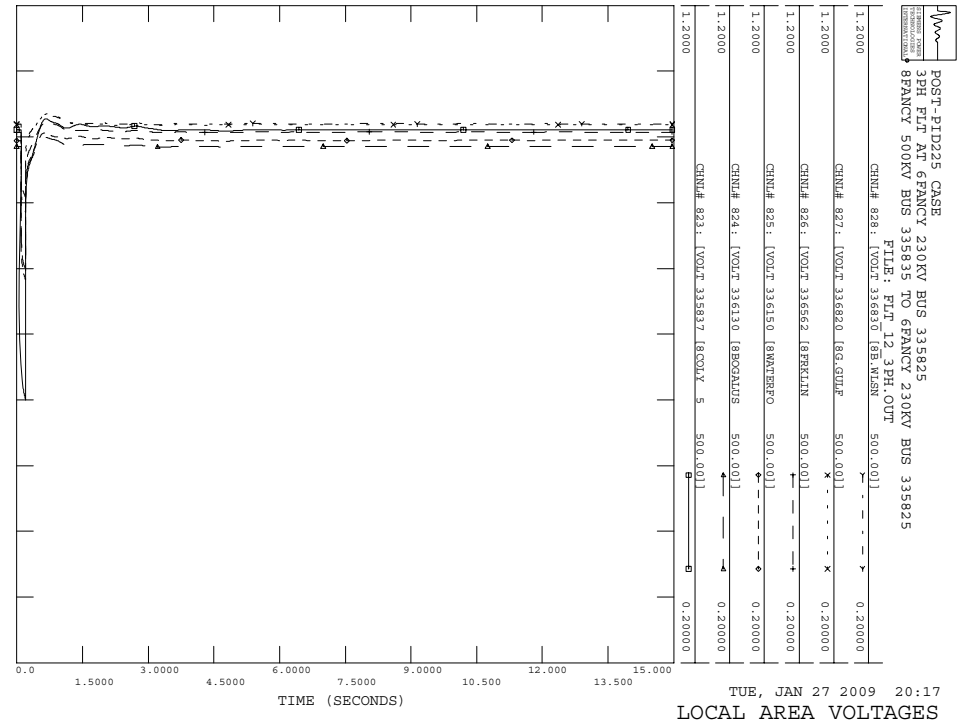
POST-PID25 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

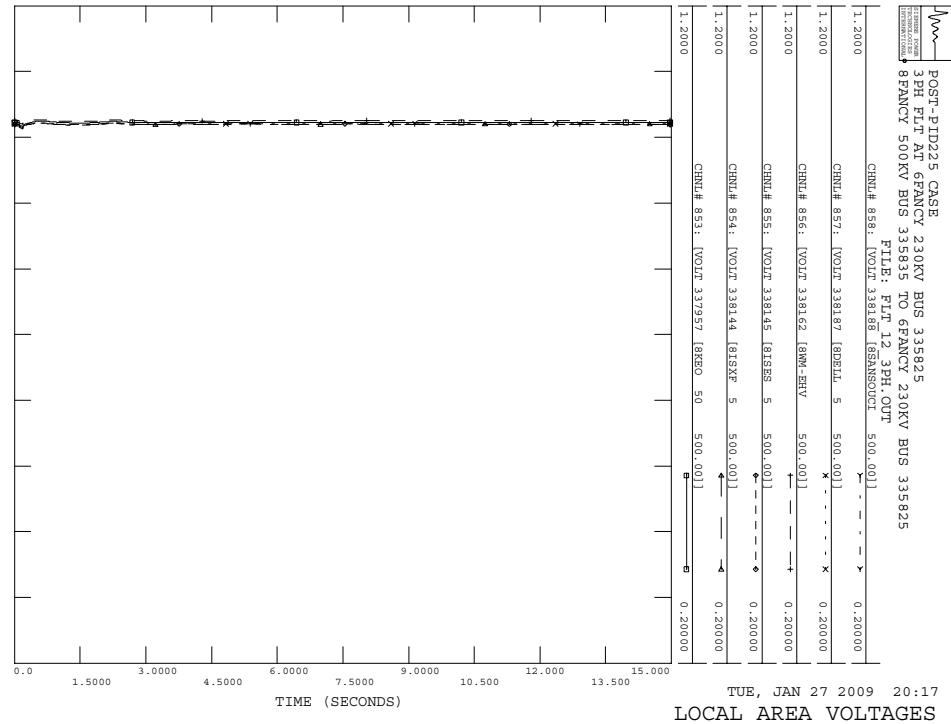
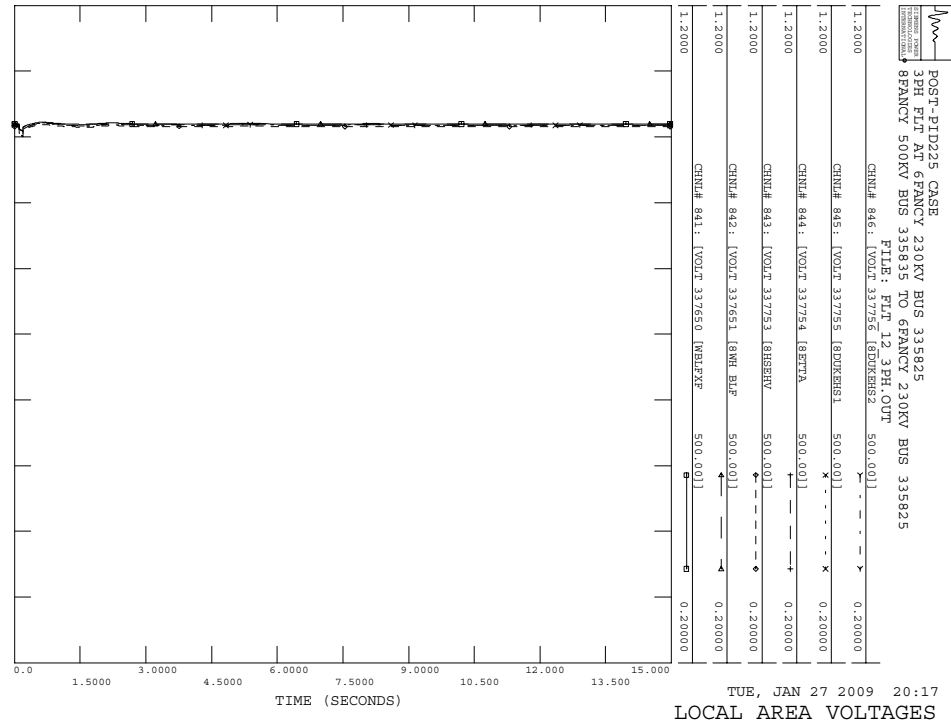
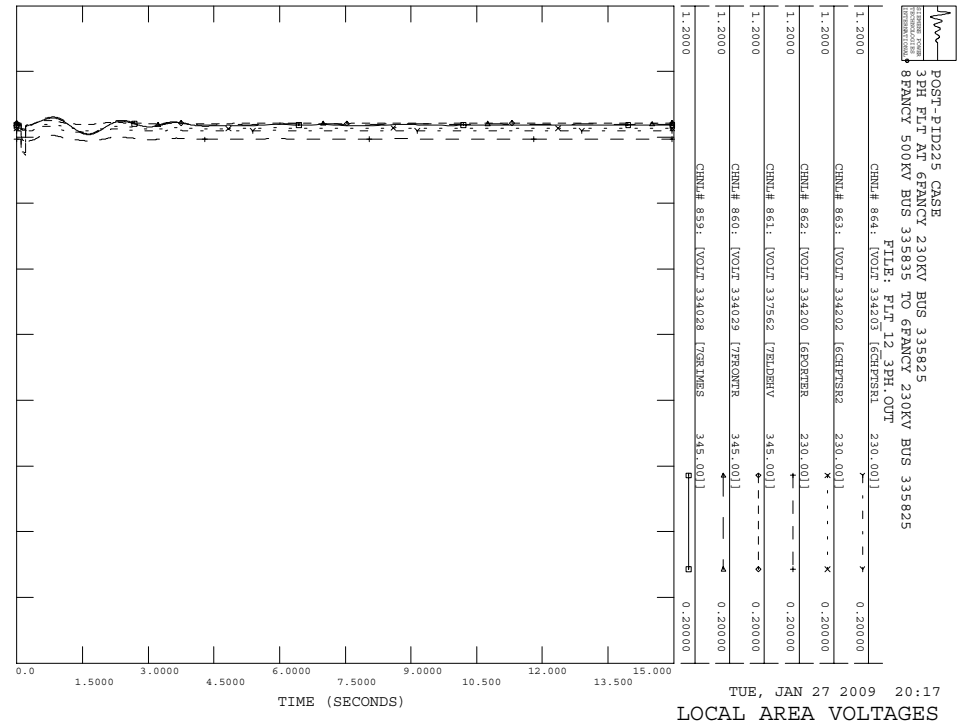
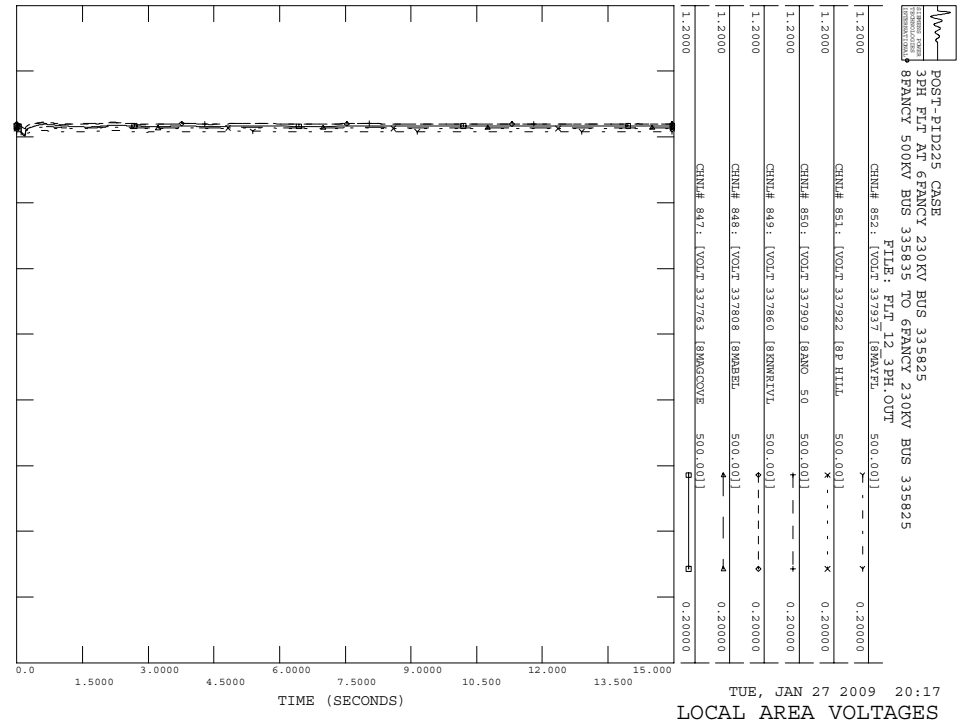


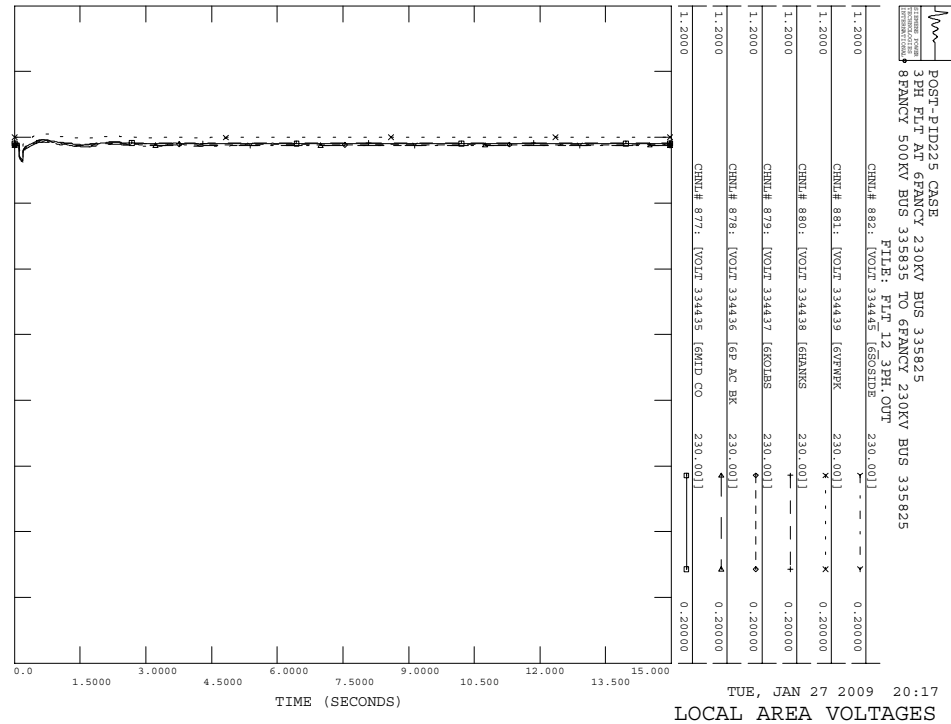
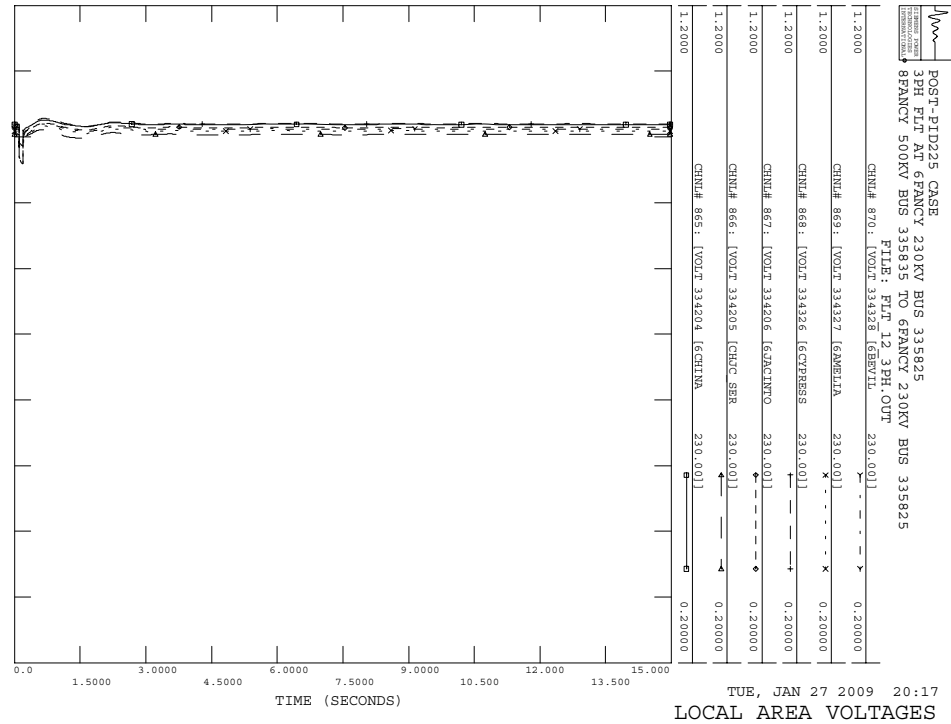
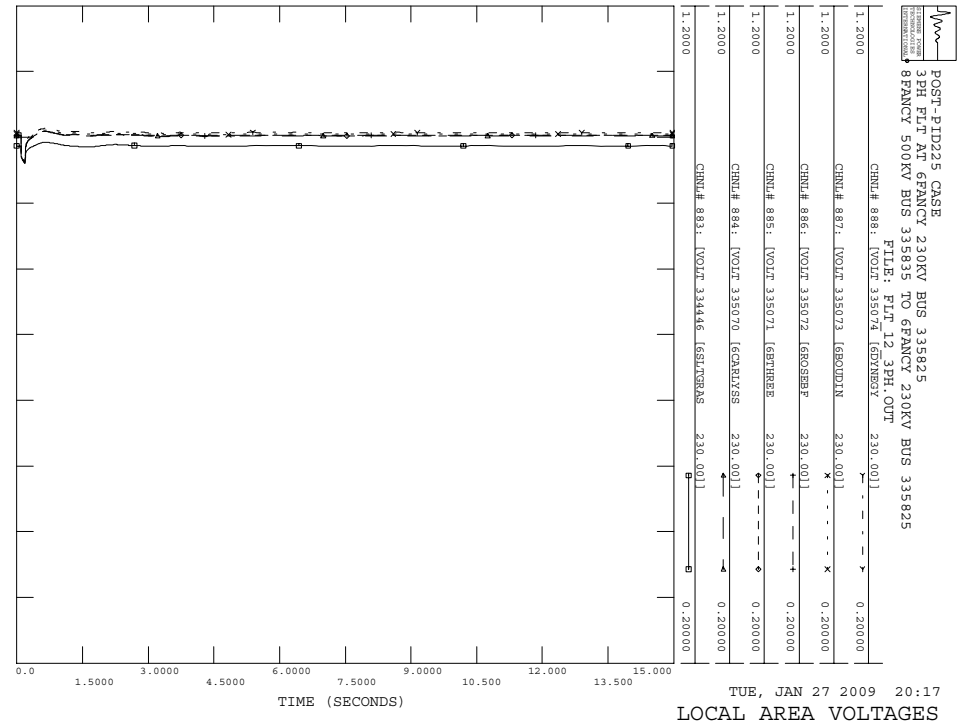
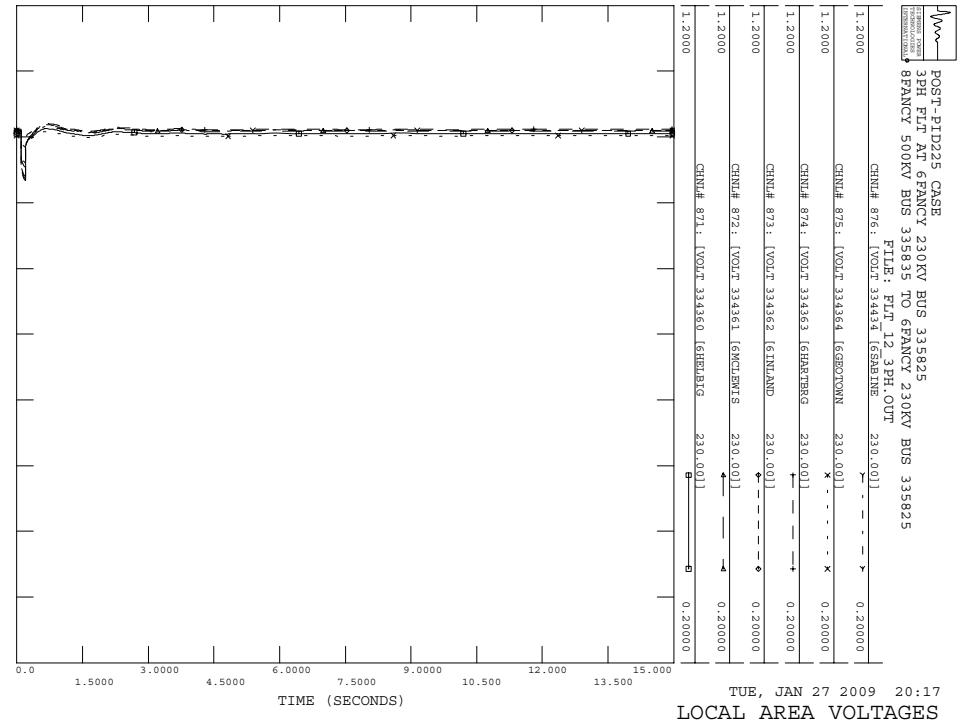
POST-PID25 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

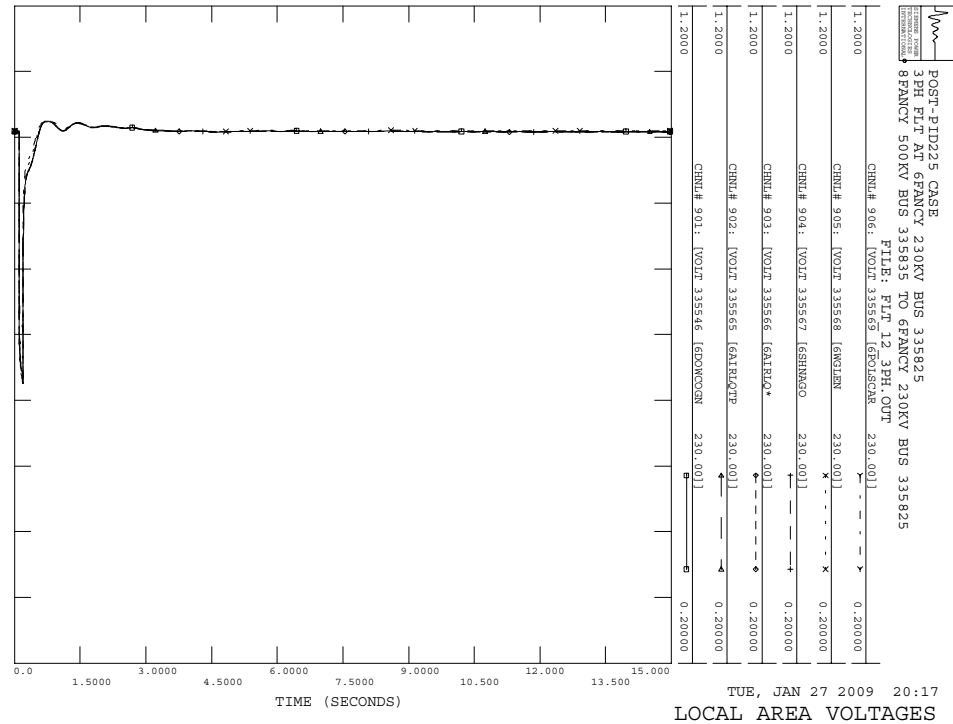
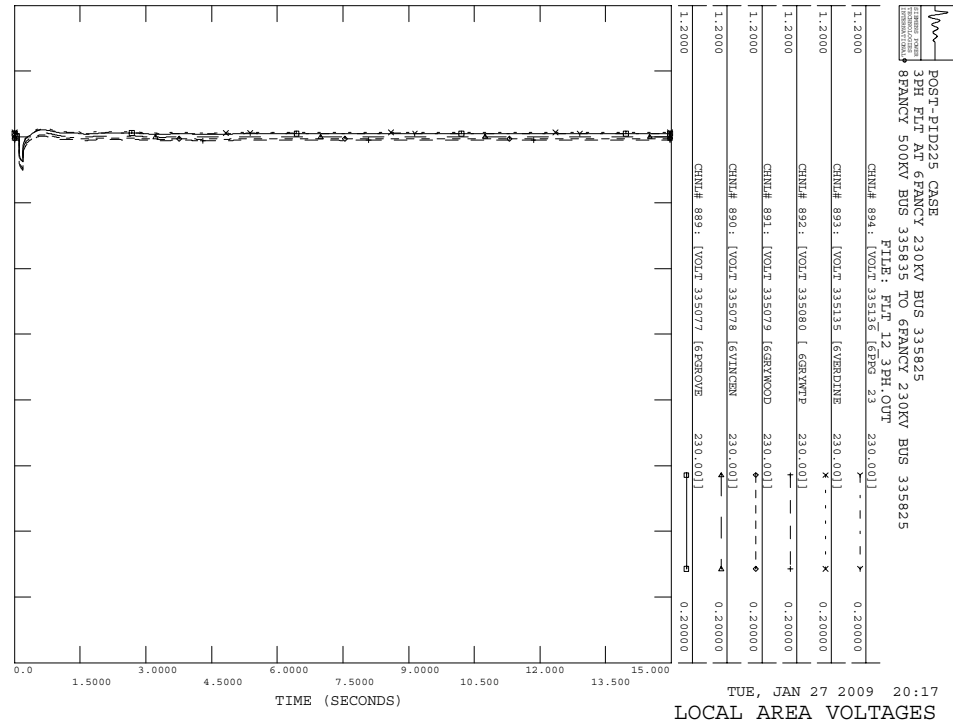
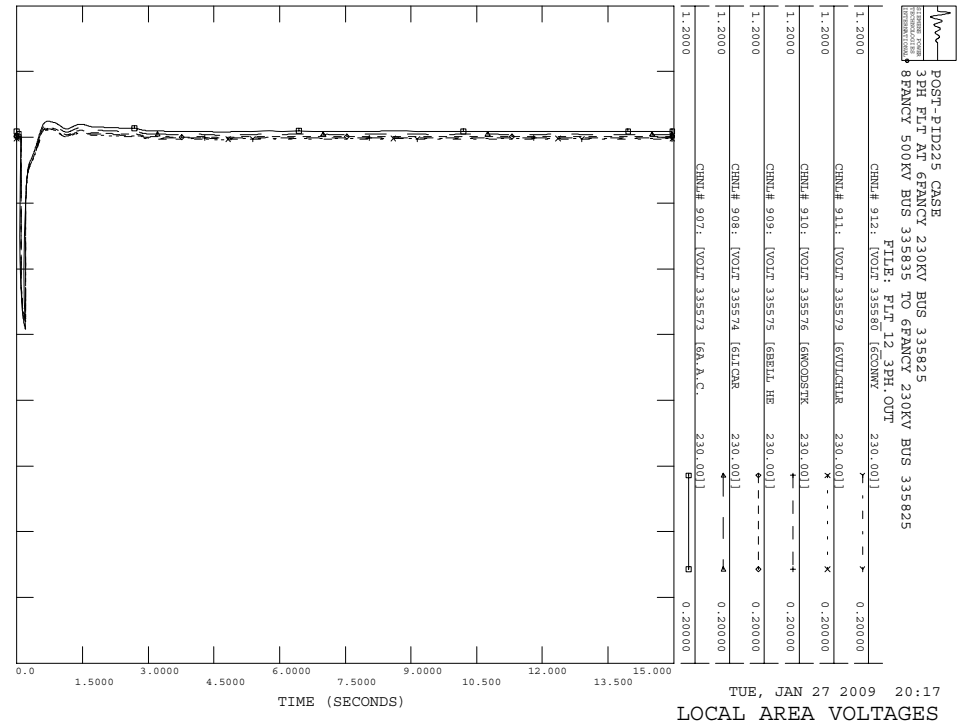
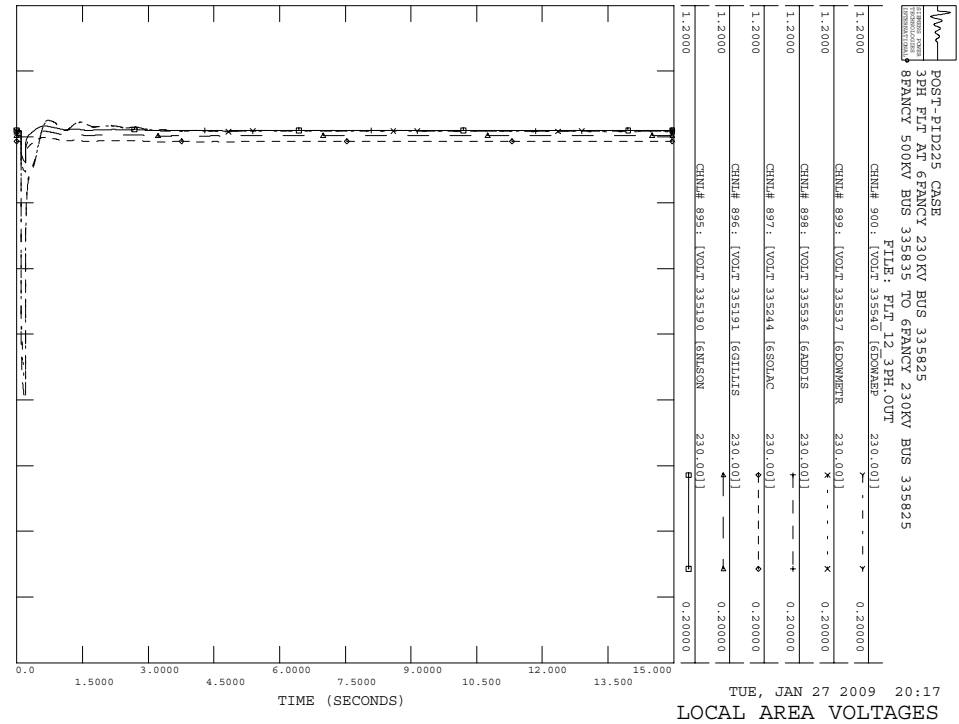




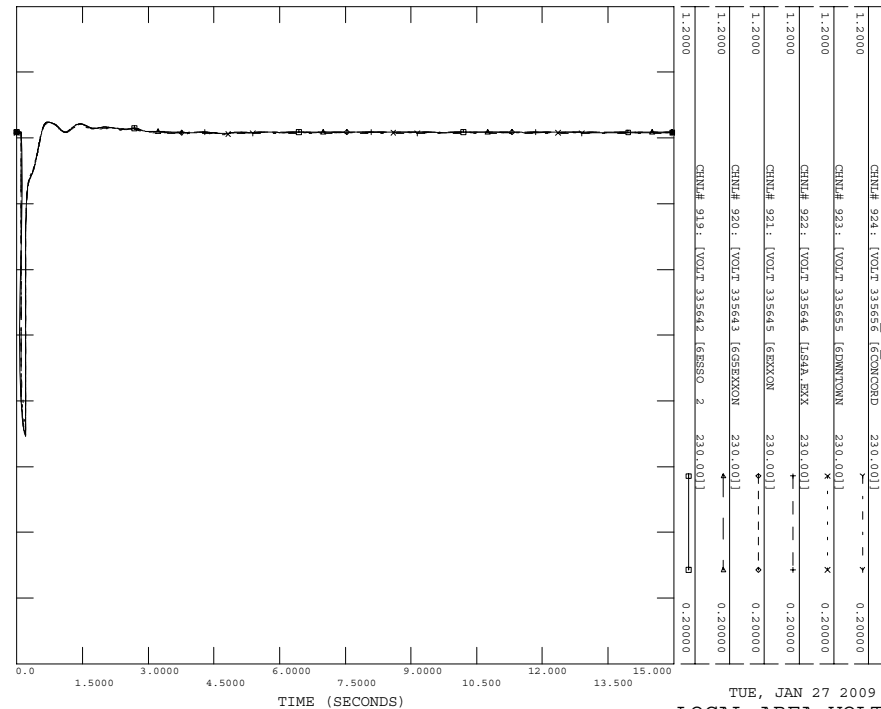




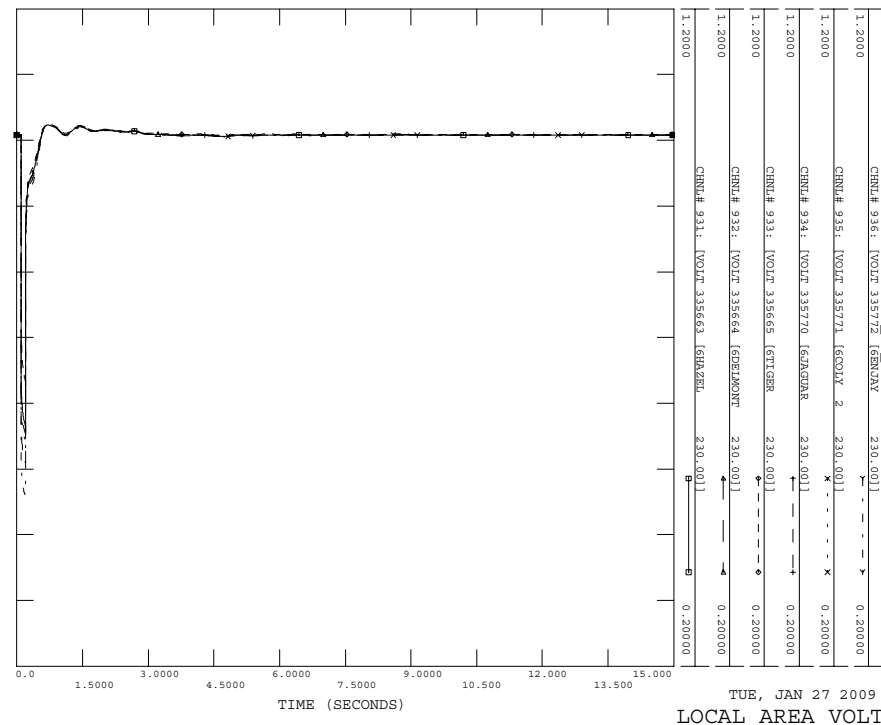




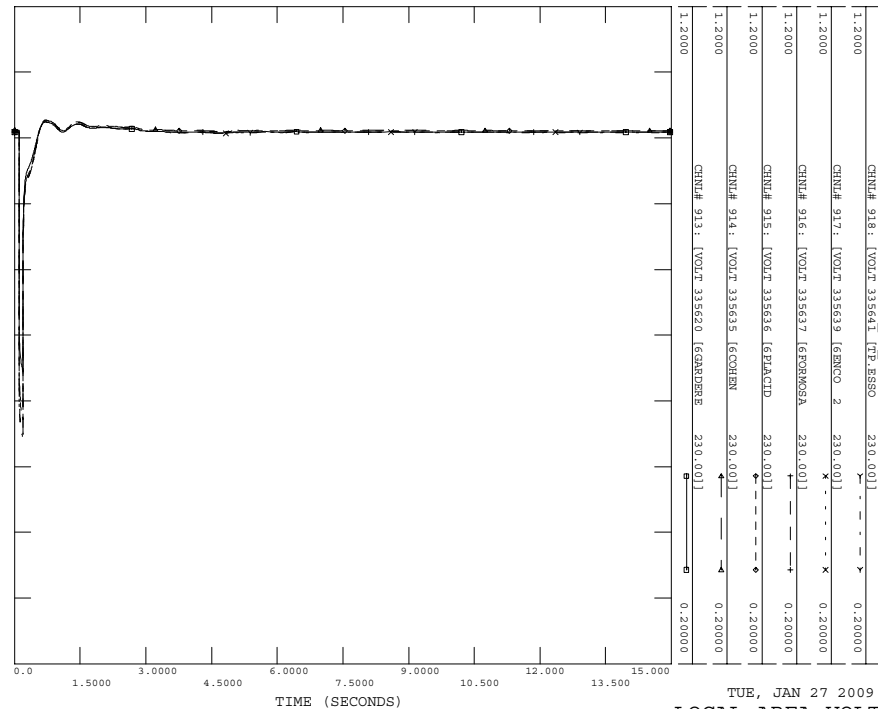
POST-PID225 CASE
3PH FLT AT 6FANCTY 230KV BUS 335825
8FANCTY 500KV BUS 335835 TO 6FANCTY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



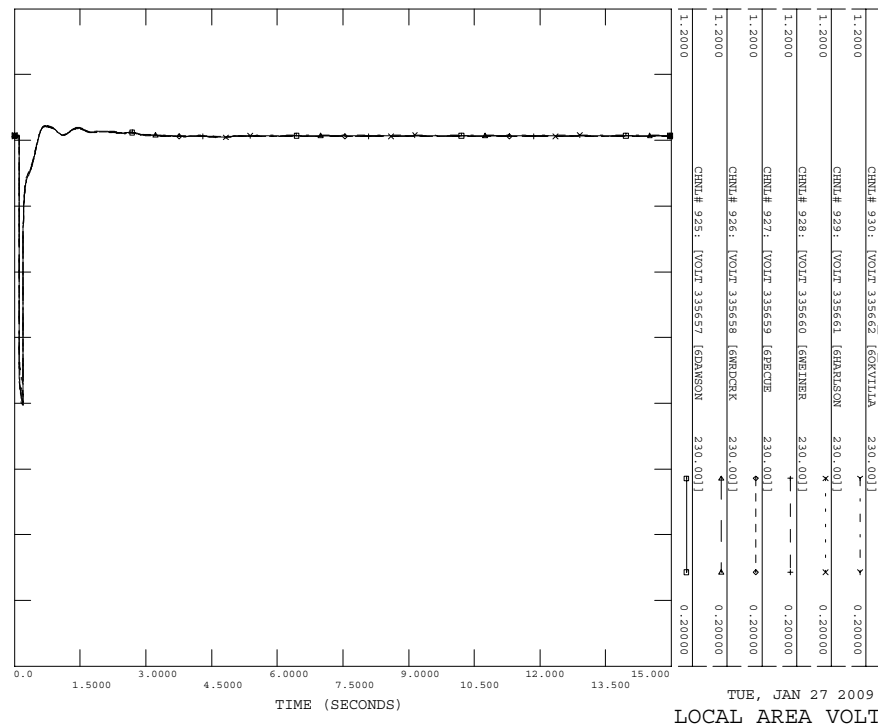
POST-PID225 CASE
3PH FLT AT 6FANCTY 230KV BUS 335825
8FANCTY 500KV BUS 335835 TO 6FANCTY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



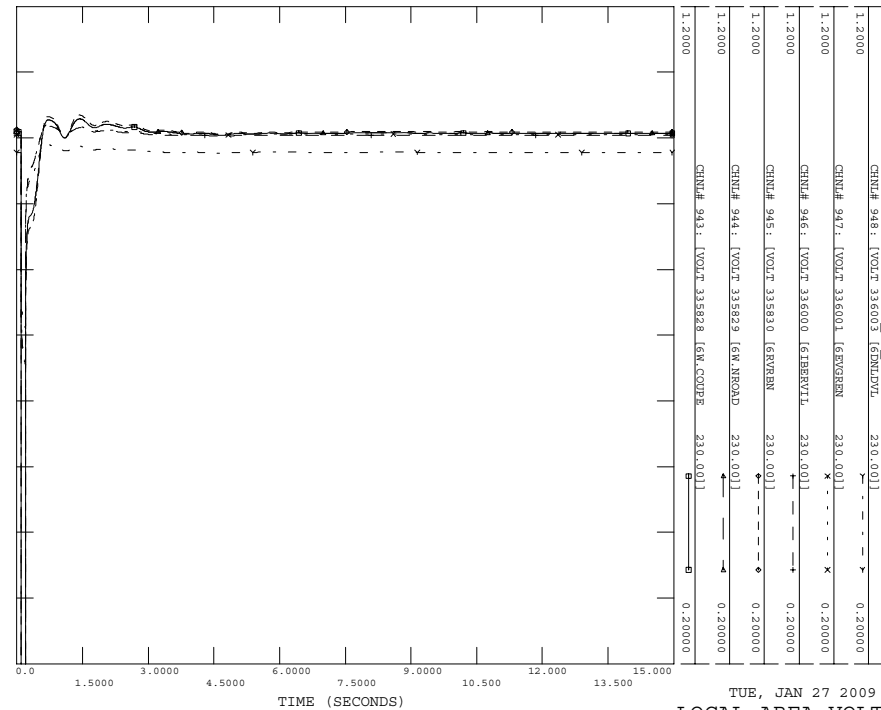
POST-PID225 CASE
3PH FLT AT 6FANCTY 230KV BUS 335825
8FANCTY 500KV BUS 335835 TO 6FANCTY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



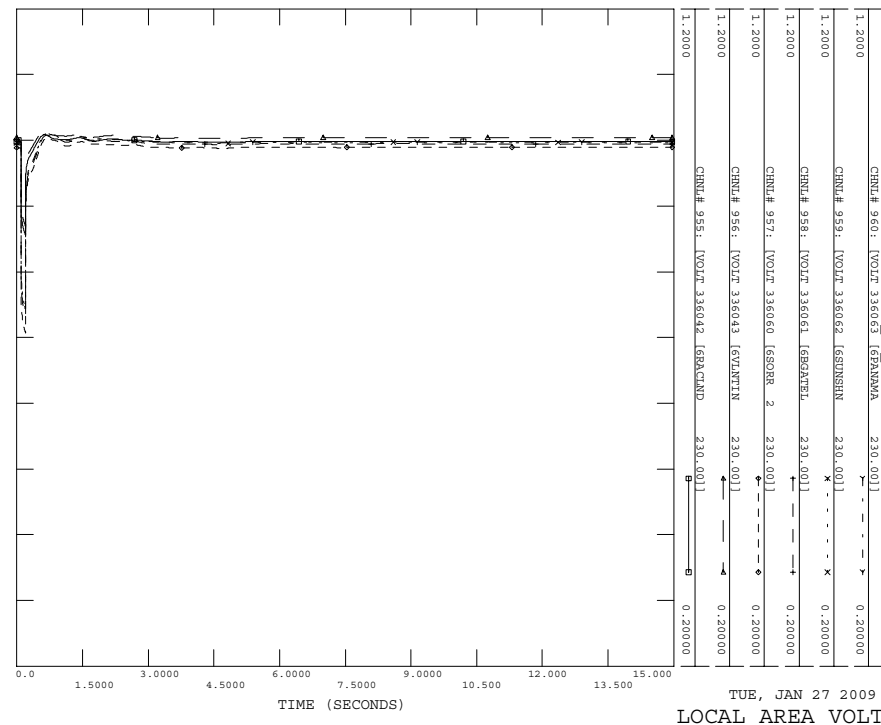
POST-PID225 CASE
3PH FLT AT 6FANCTY 230KV BUS 335825
8FANCTY 500KV BUS 335835 TO 6FANCTY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



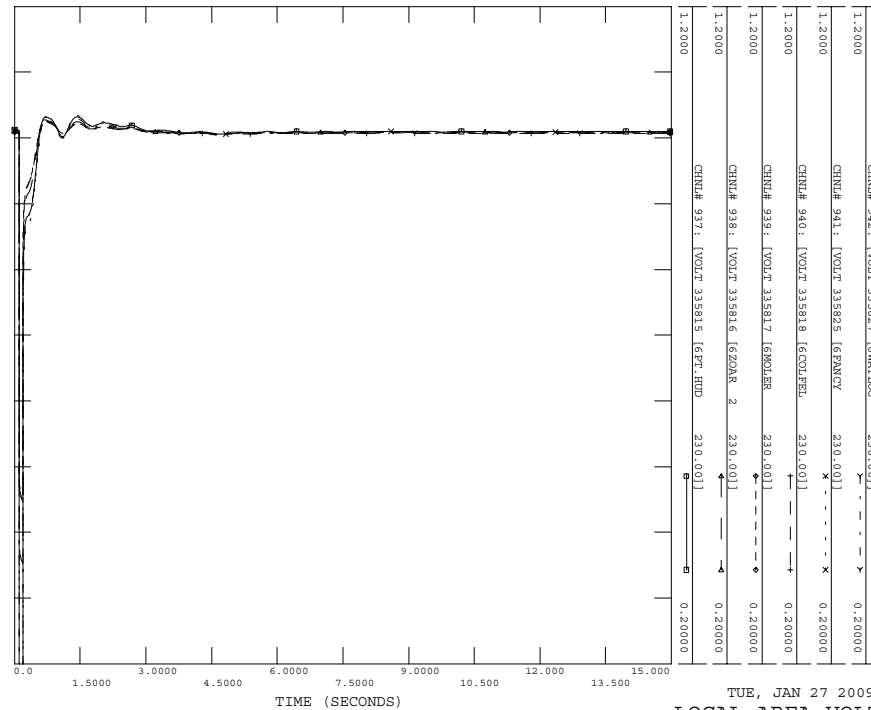
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT



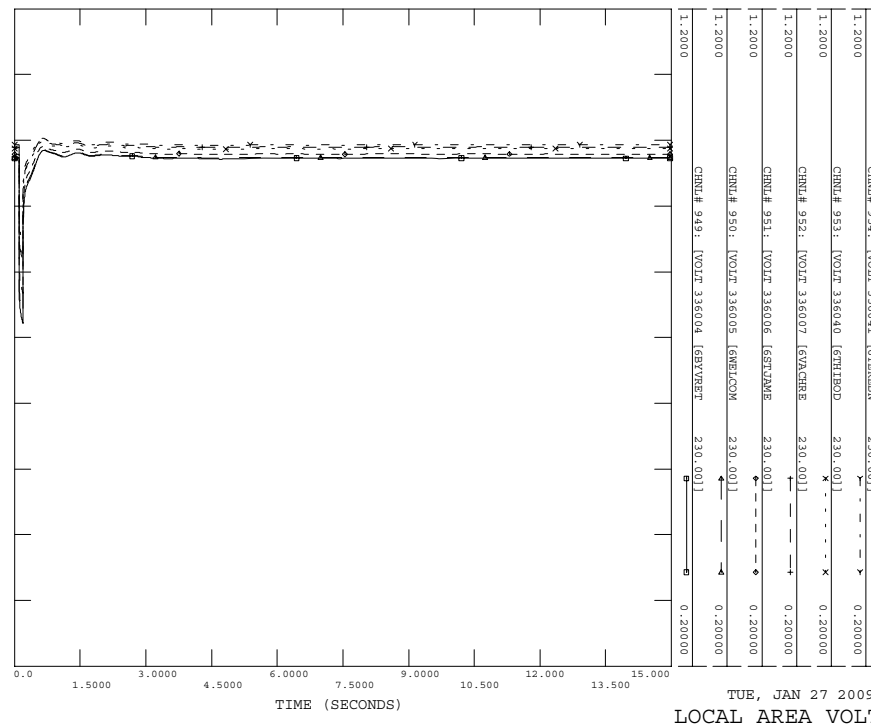
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

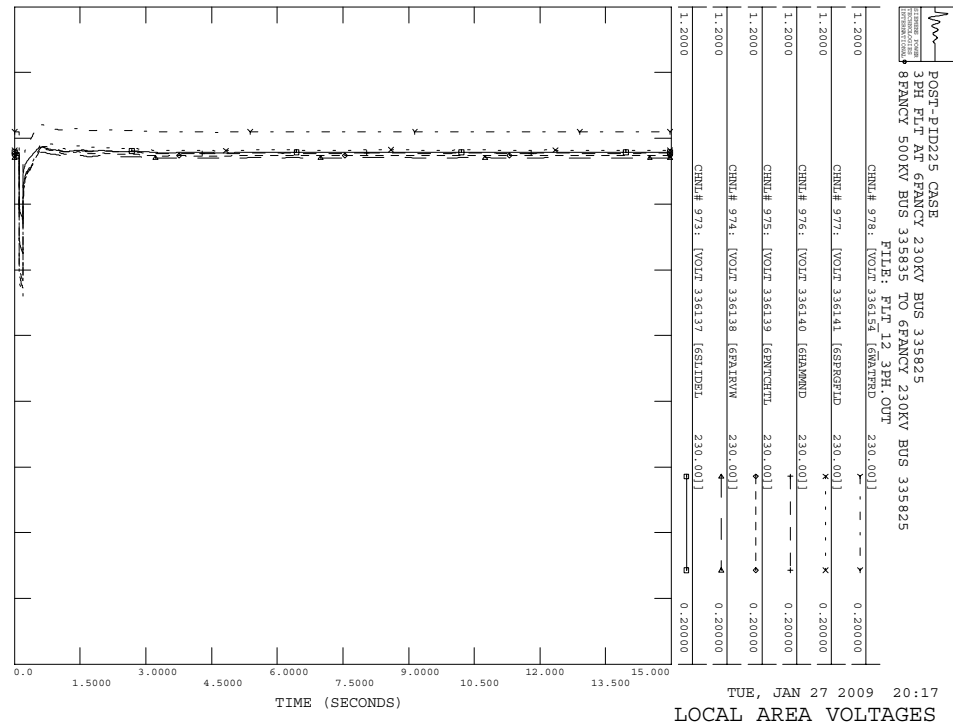
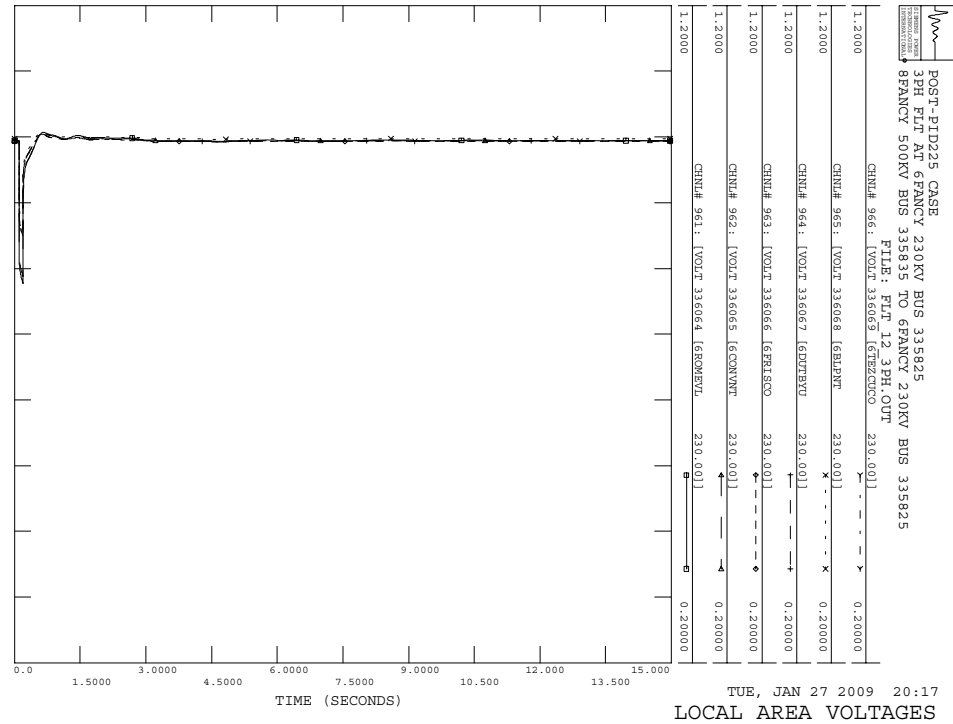
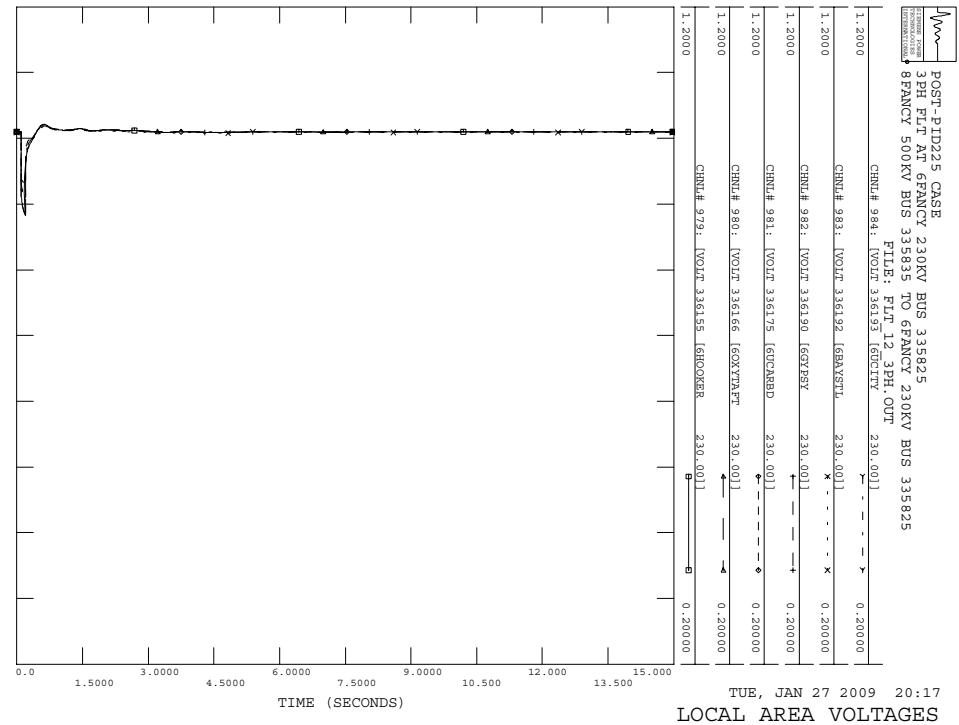
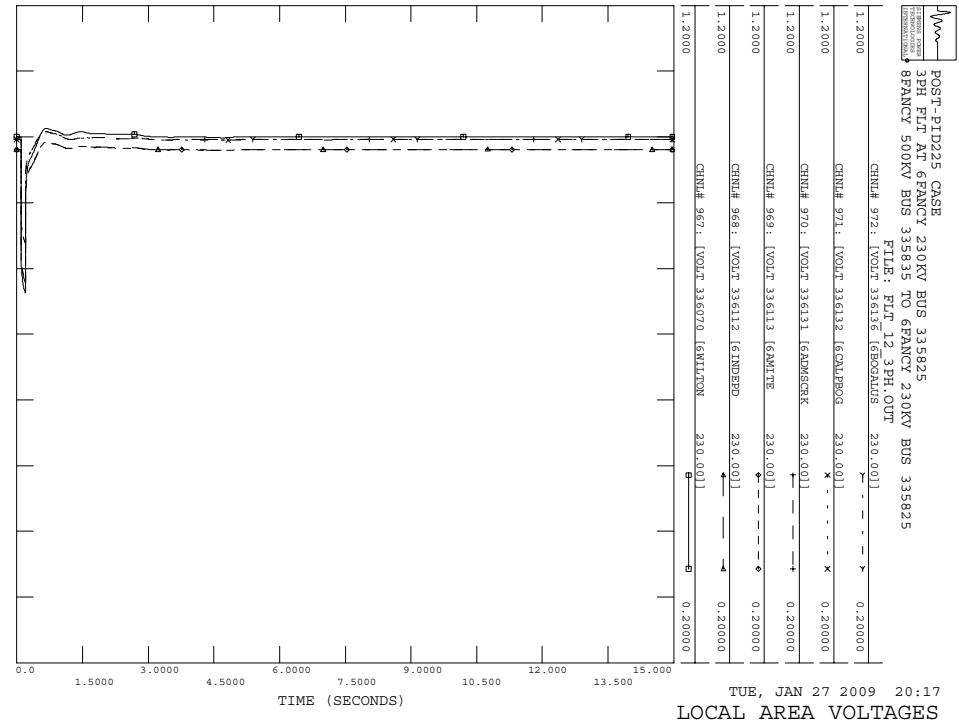


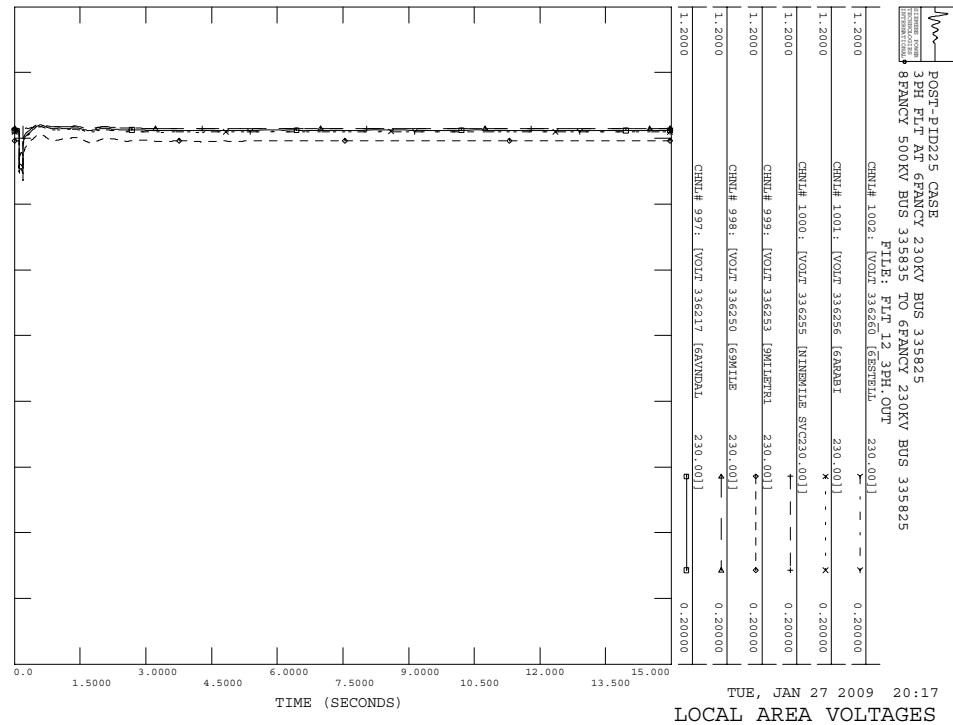
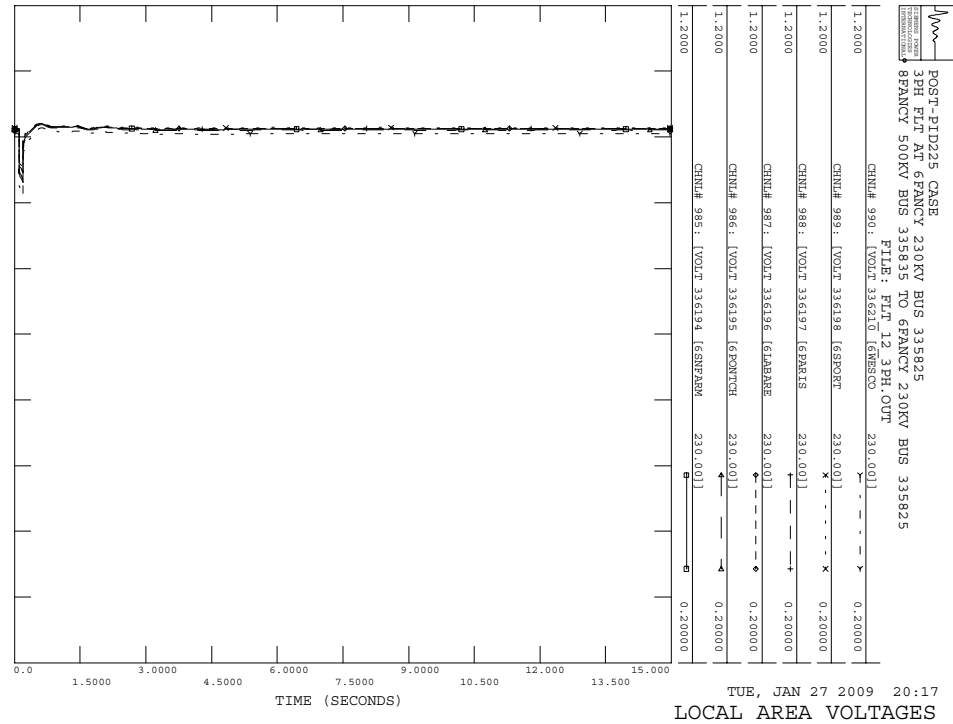
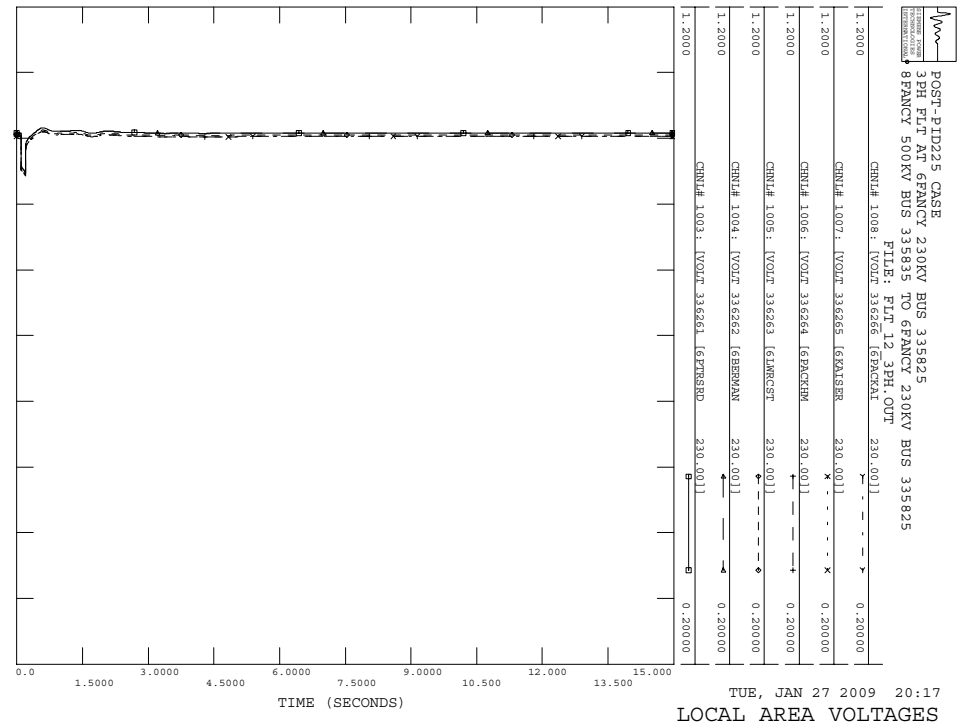
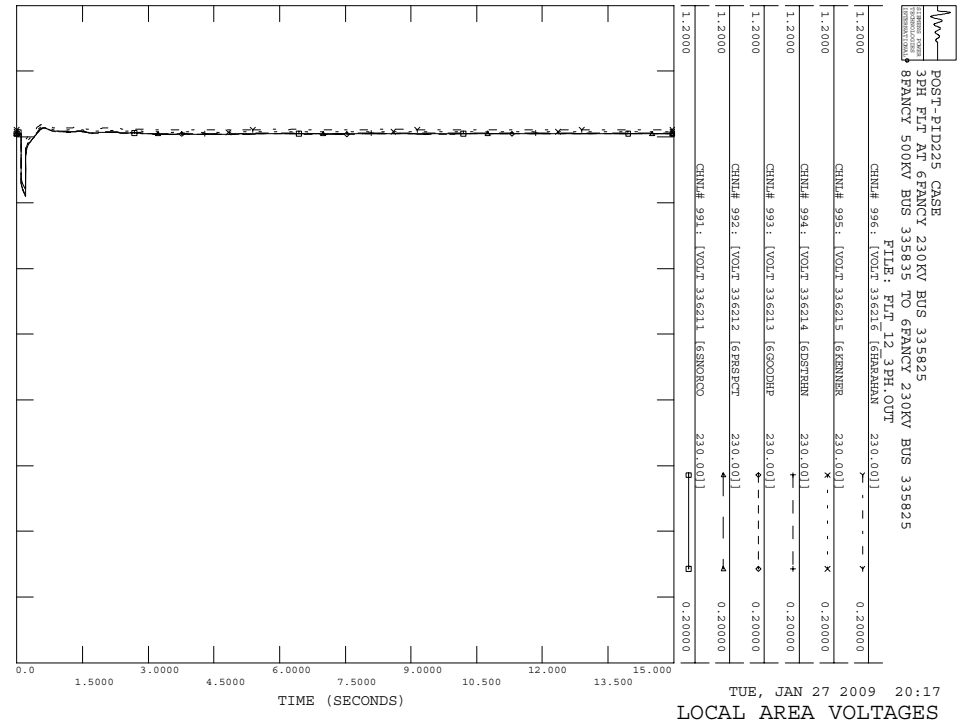
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

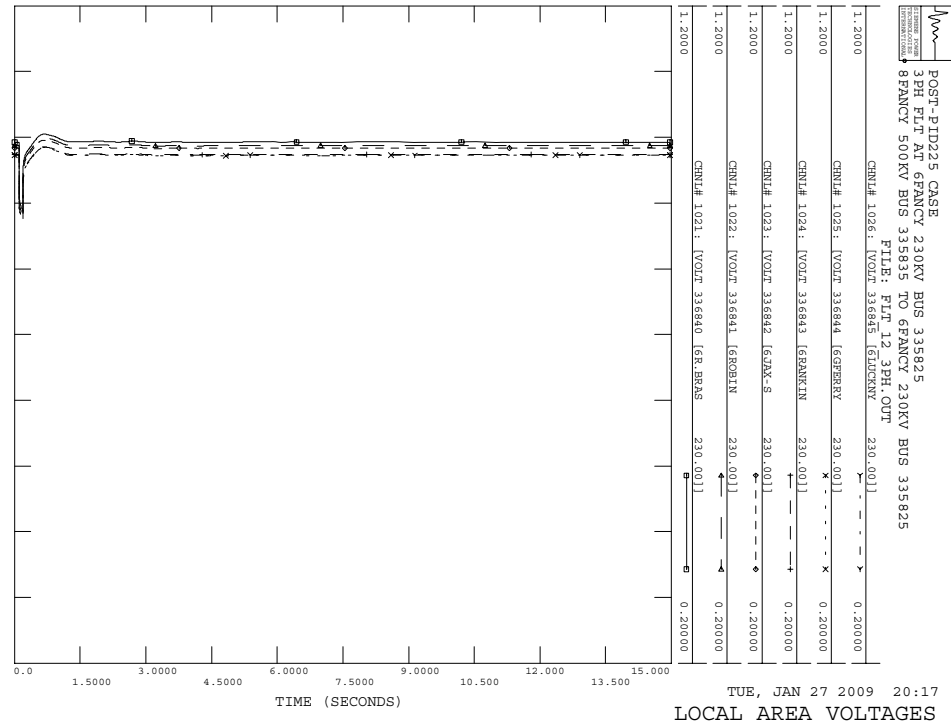
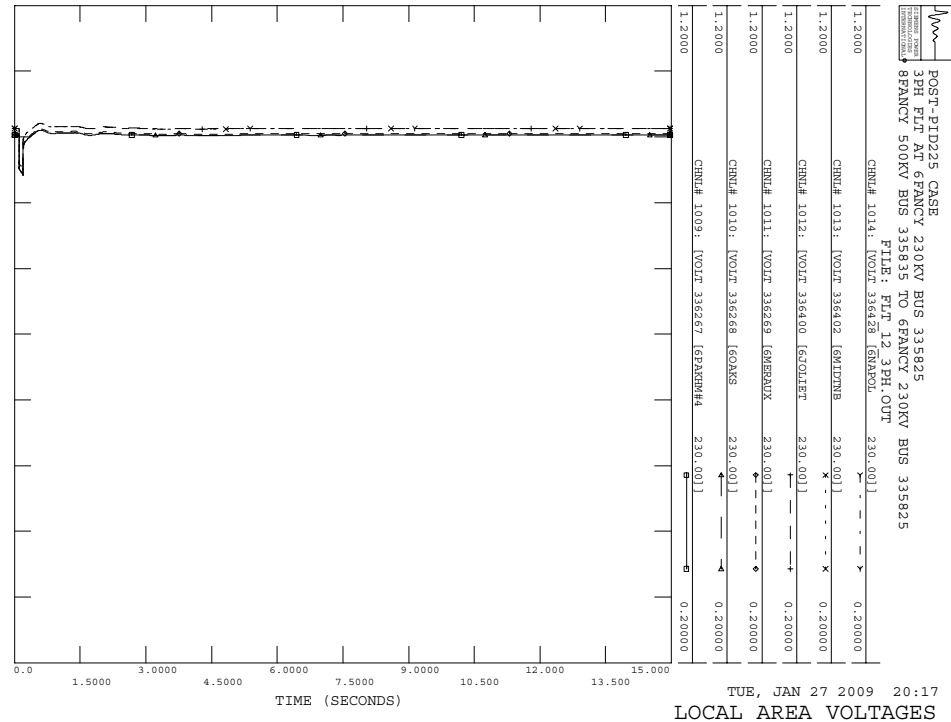
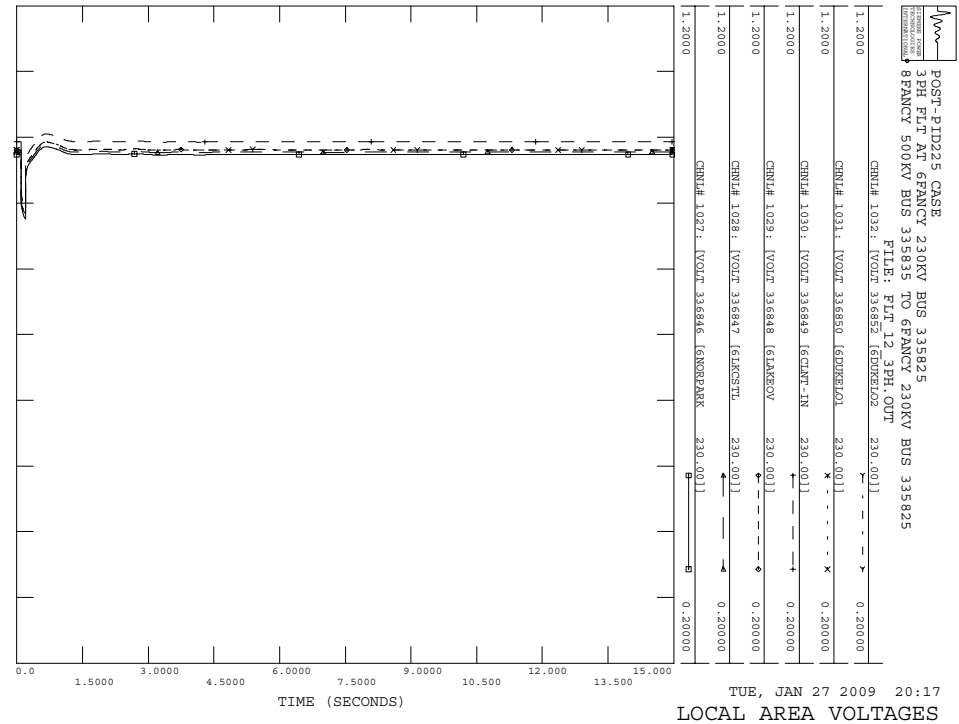
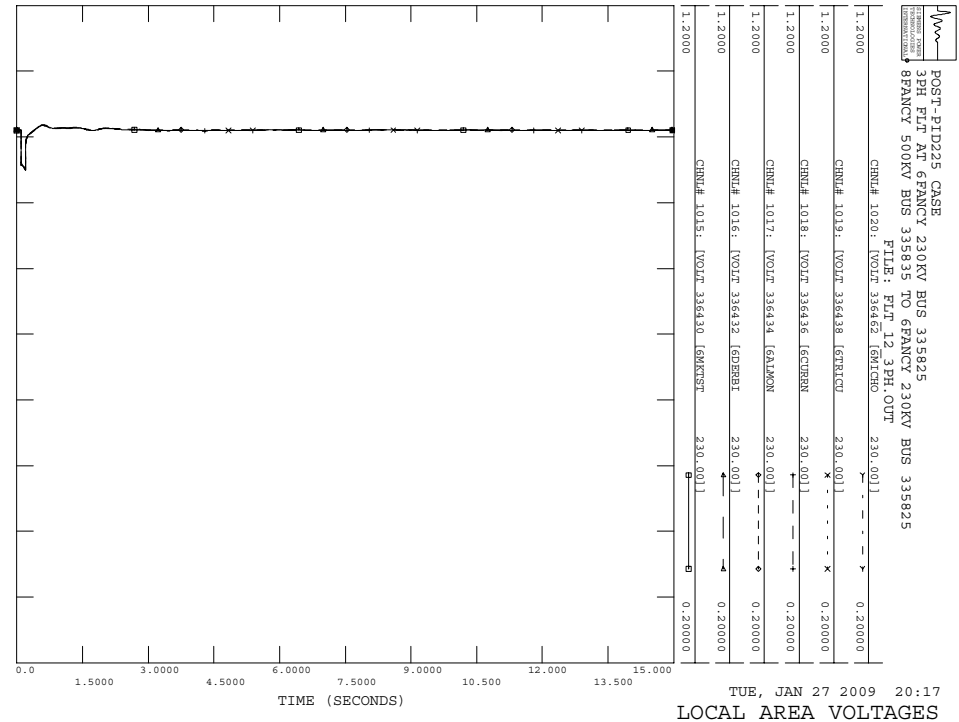


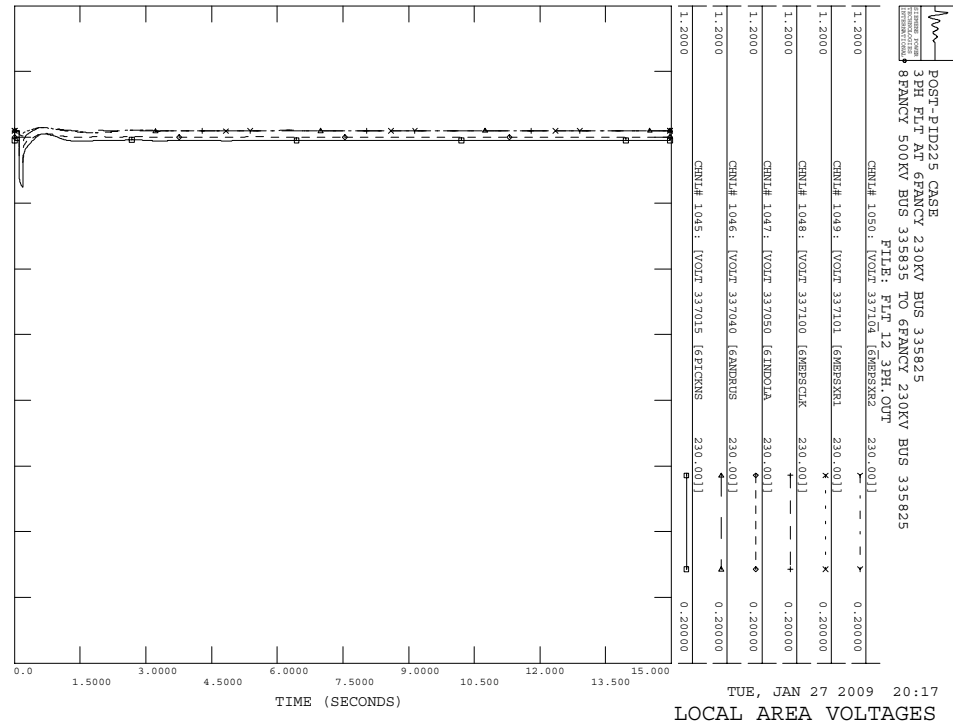
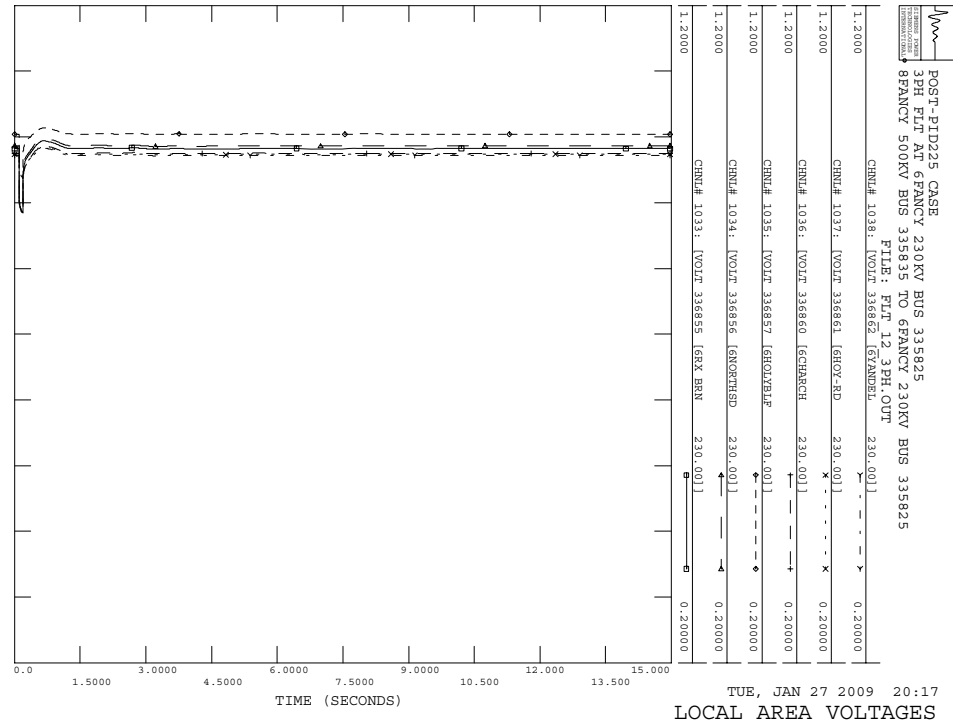
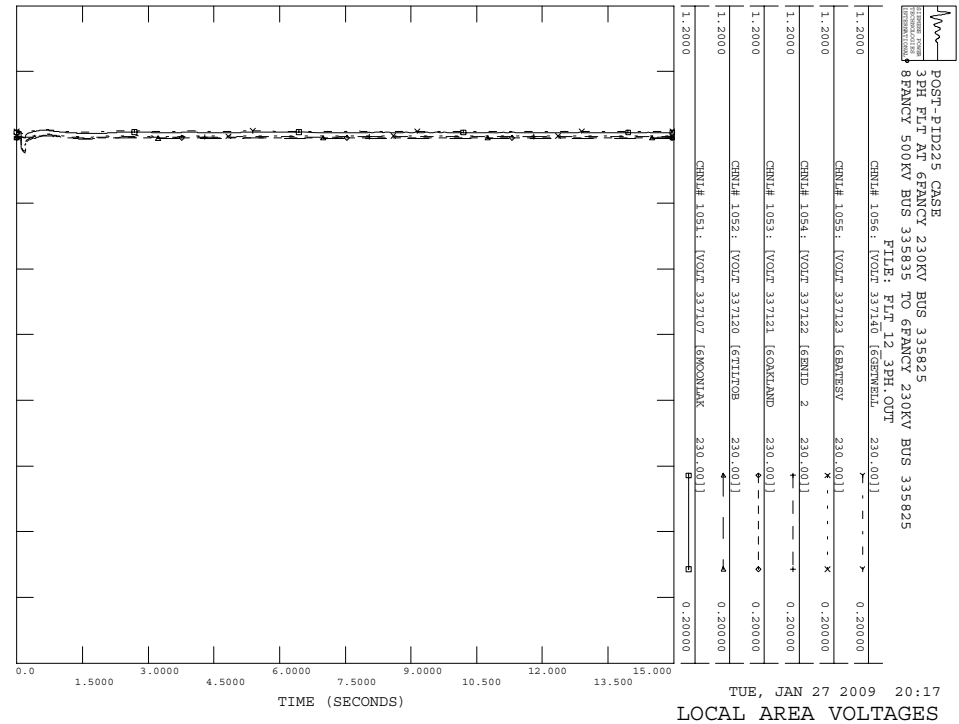
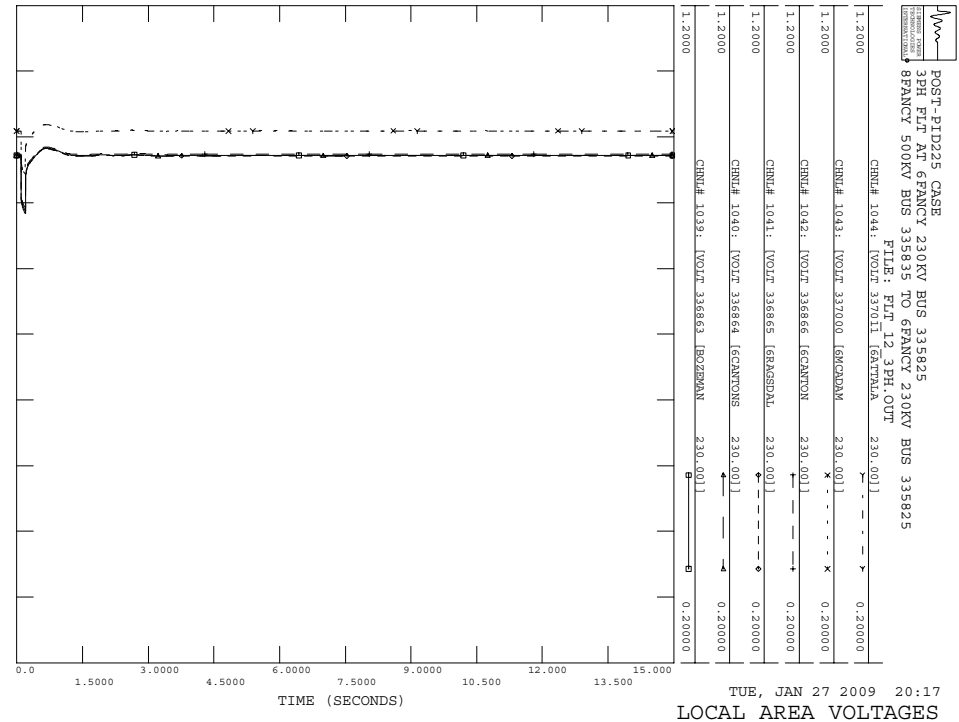
POST-PID225 CASE
3PH FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12_3PH.OUT

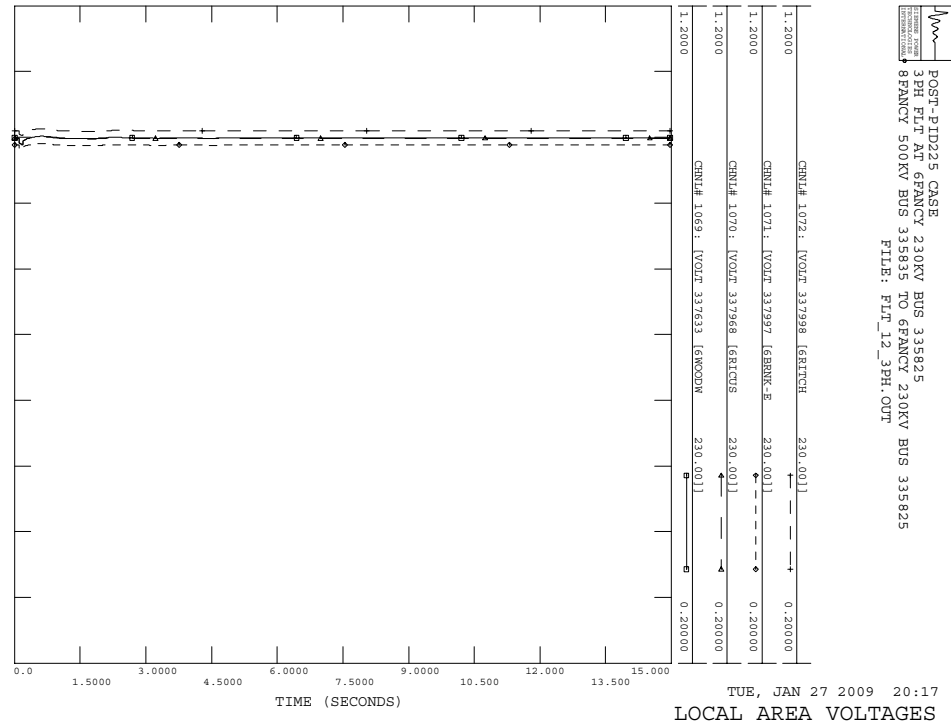
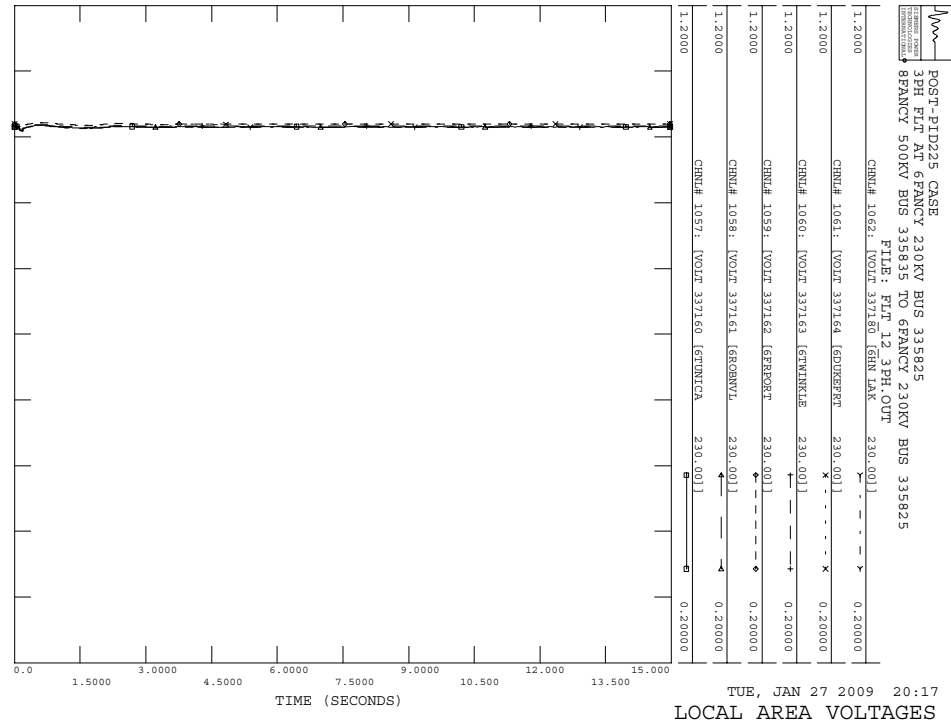
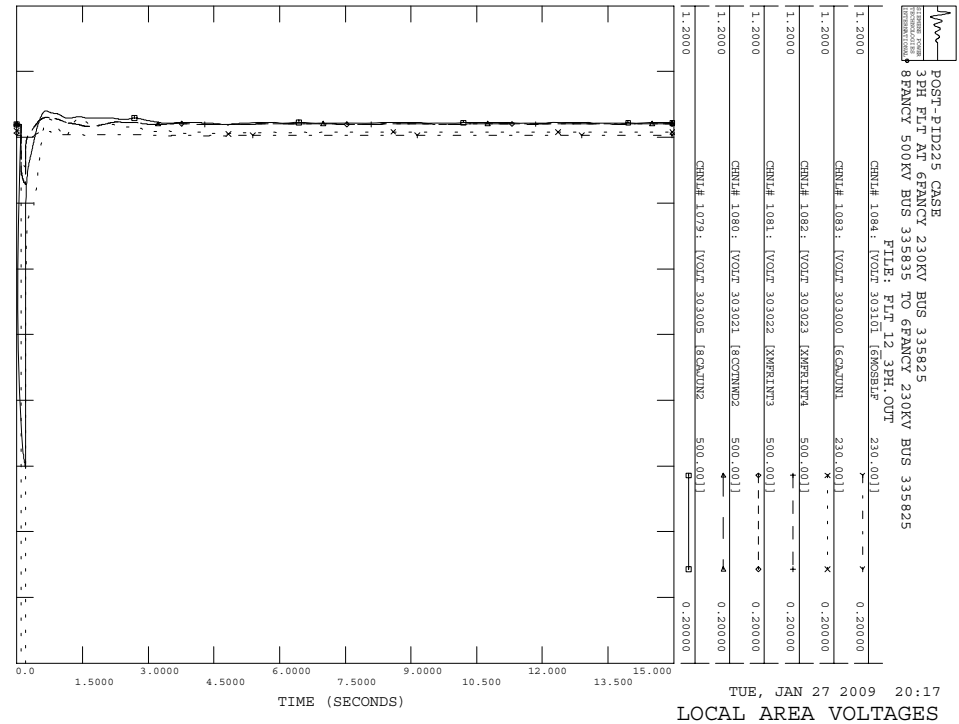
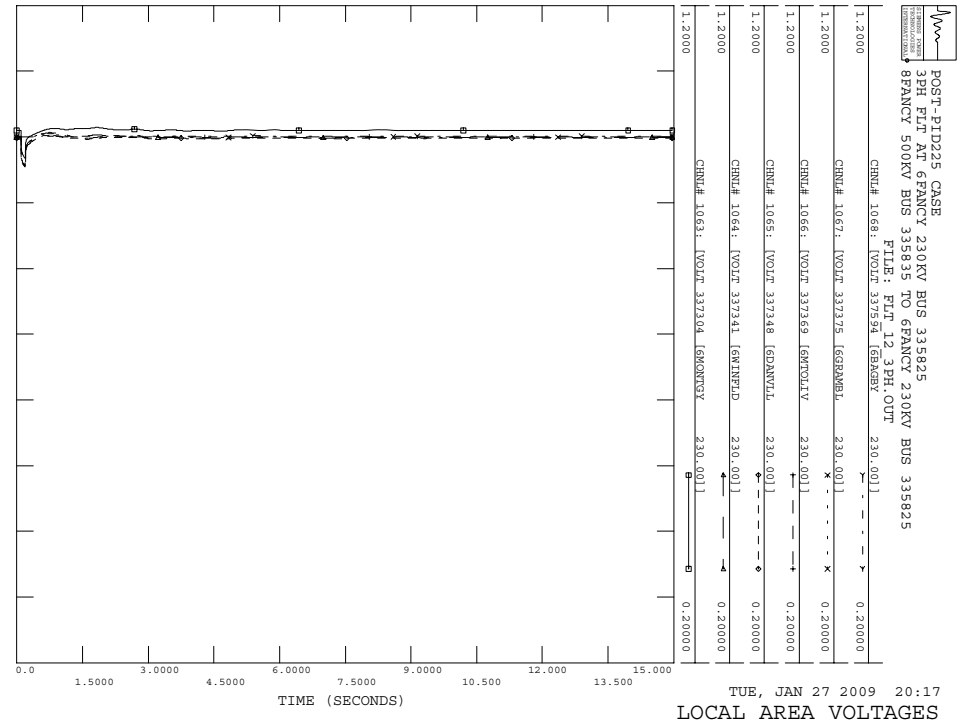


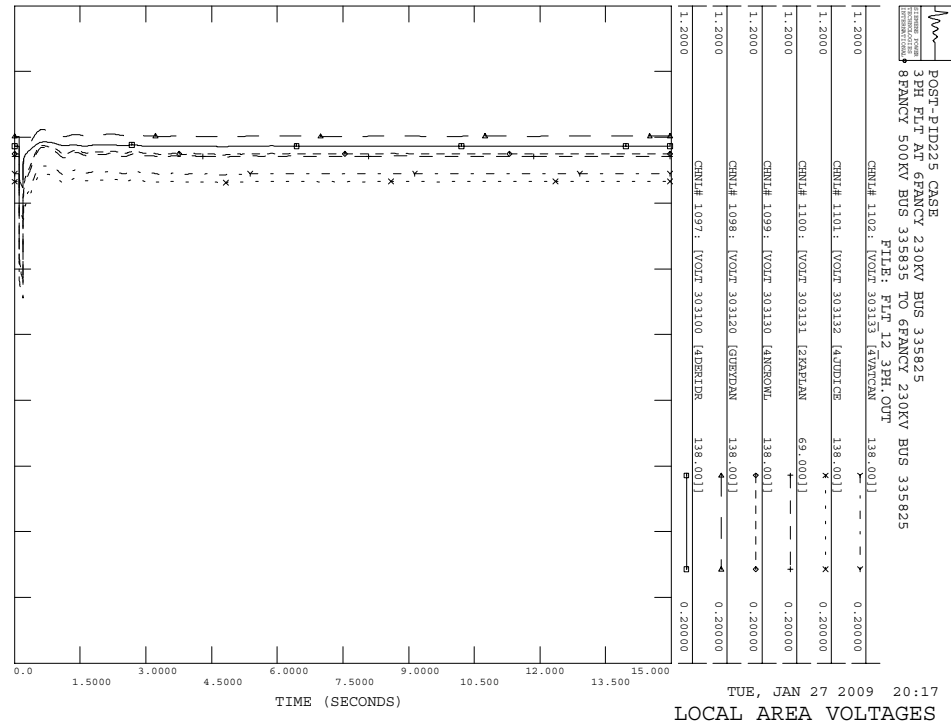
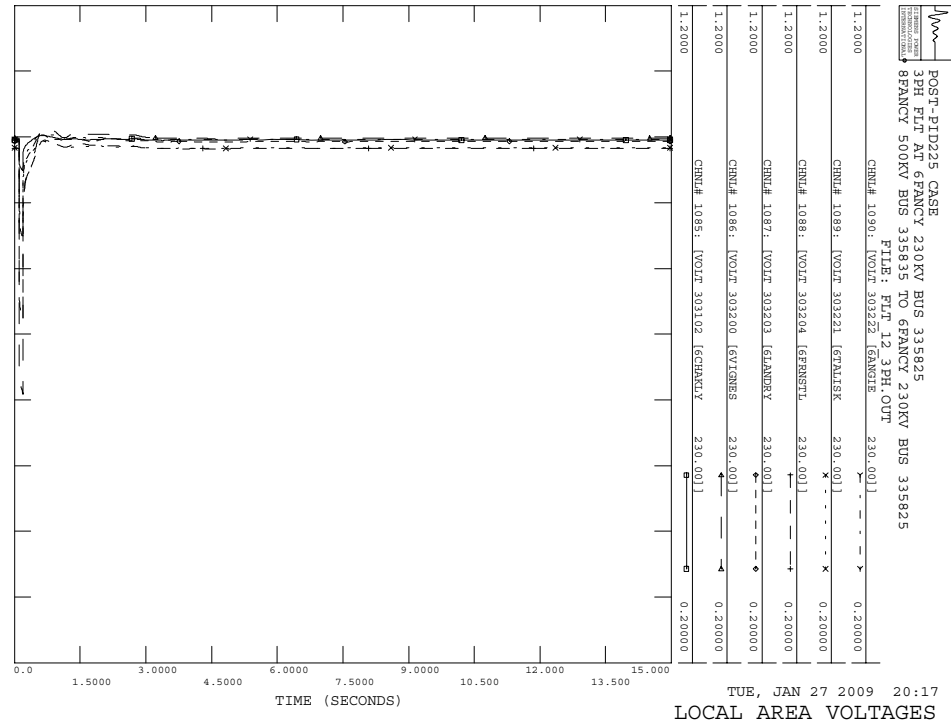
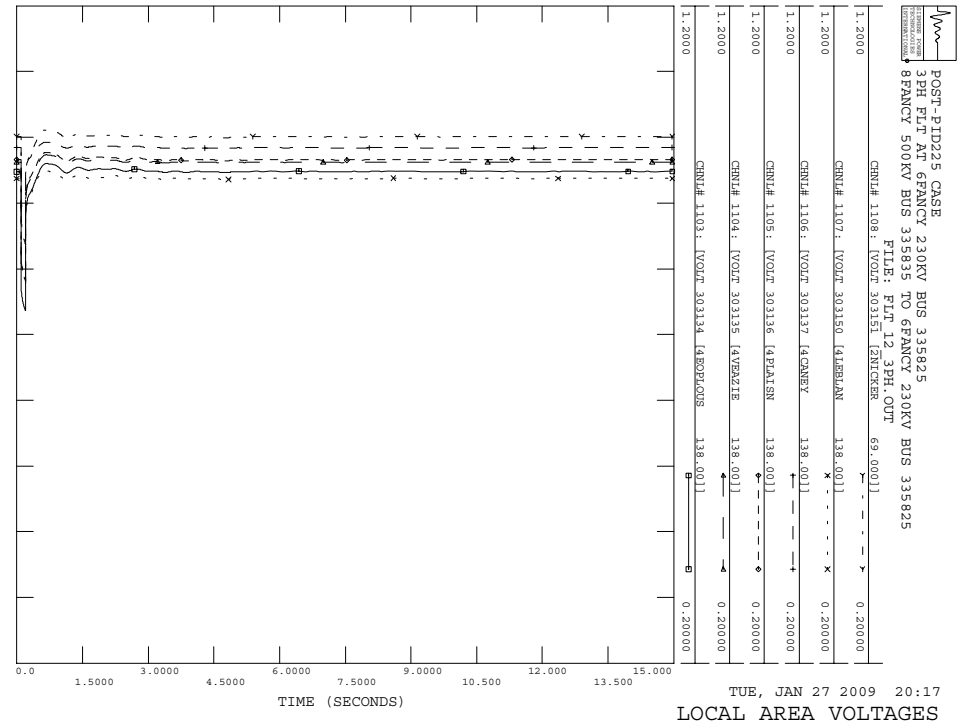
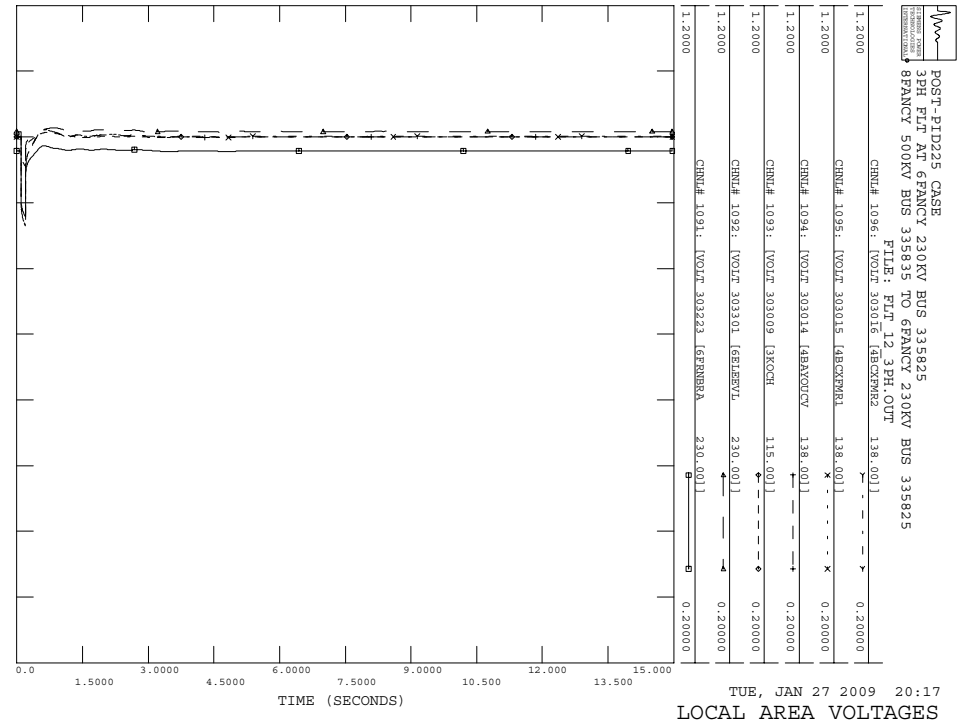


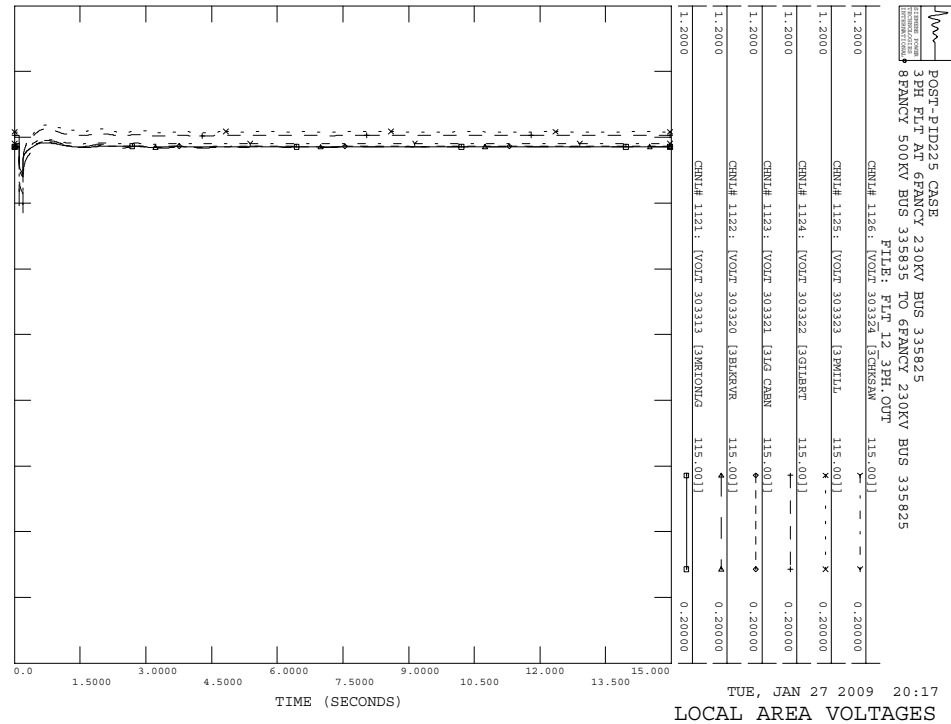
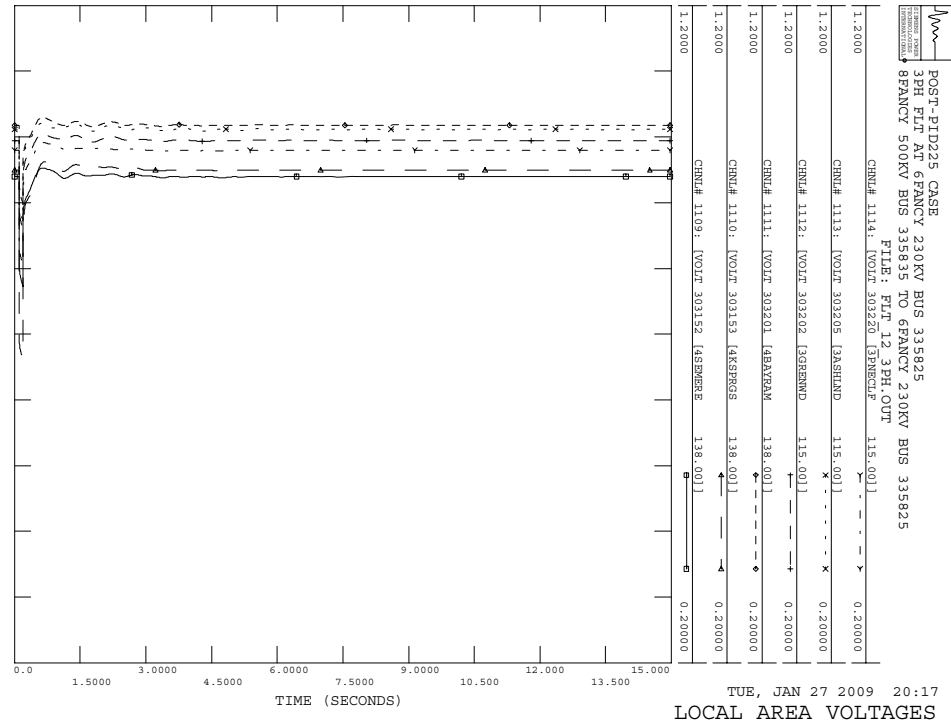
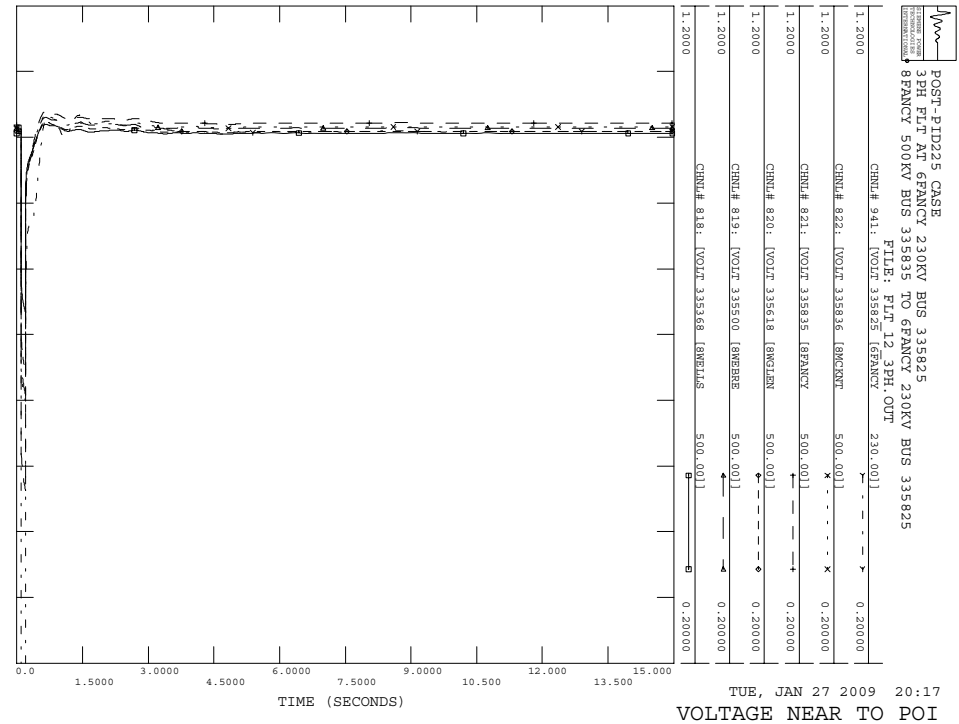
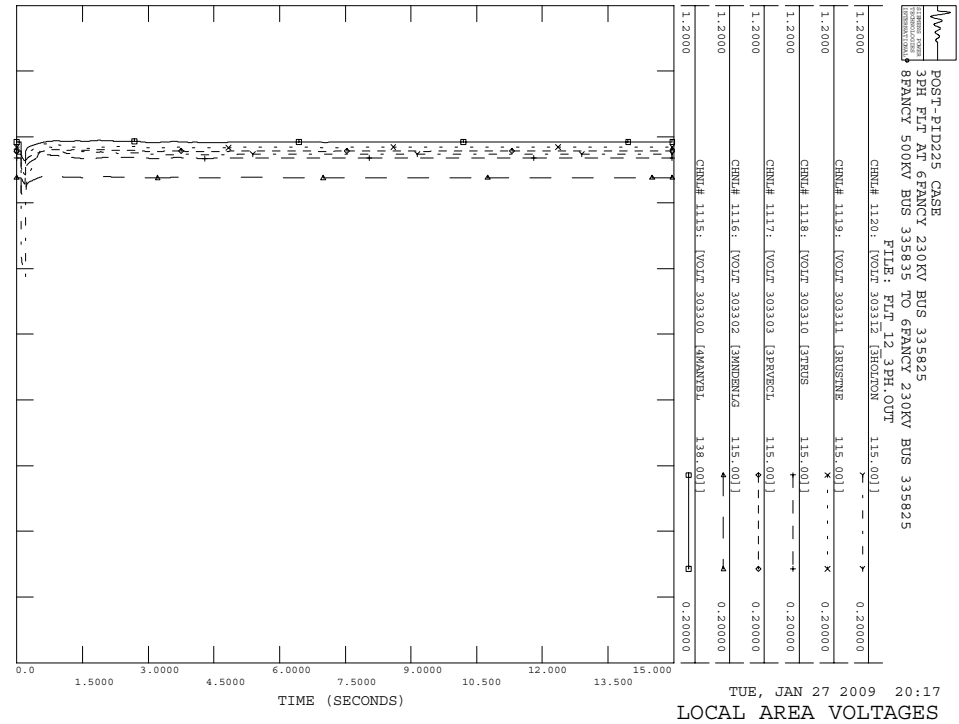








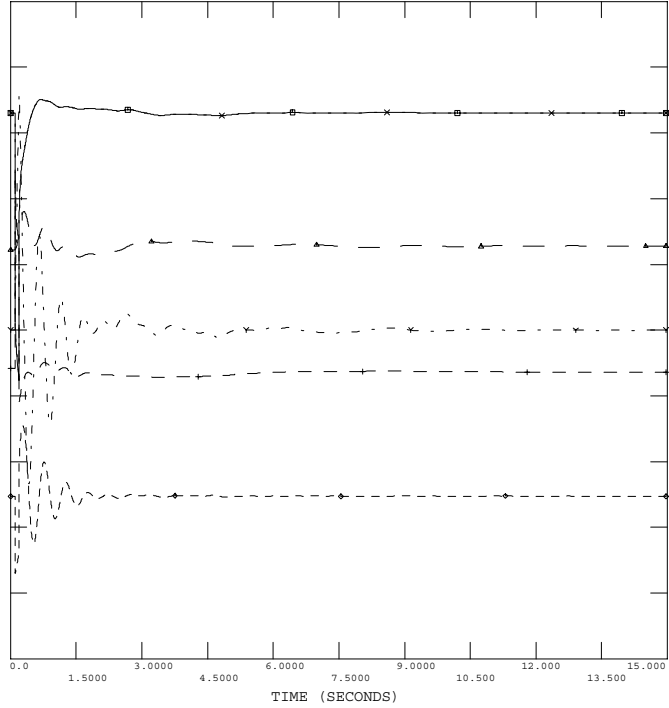






POST-PID225 CASE
3PH FLT AT 6FANCT 230KV BUS 335825
8FANCT 500KV BUS 335835 TO 6FANCT 230KV BUS 335825
FILE: FLT_12_3PH.OUT

CHN# 1121: [EPR] BUS 303008 WACH '1, '1]	-0.0100
CHN# 1131: [ETRM BUS 303008 WACH '1, '1]	0.20000
CHN# 1130: [VARS BUS 303008 WACH '1, '1]	-10.00
CHN# 1129: [FCMR BUS 303008 WACH '1, '1]	0.0
CHN# 1128: [ANGL BUS 303008 WACH '1, '1]	-150.0
CHN# 1127: [VOLT 303008 [BAC2 U3 24.000]]	0.20000

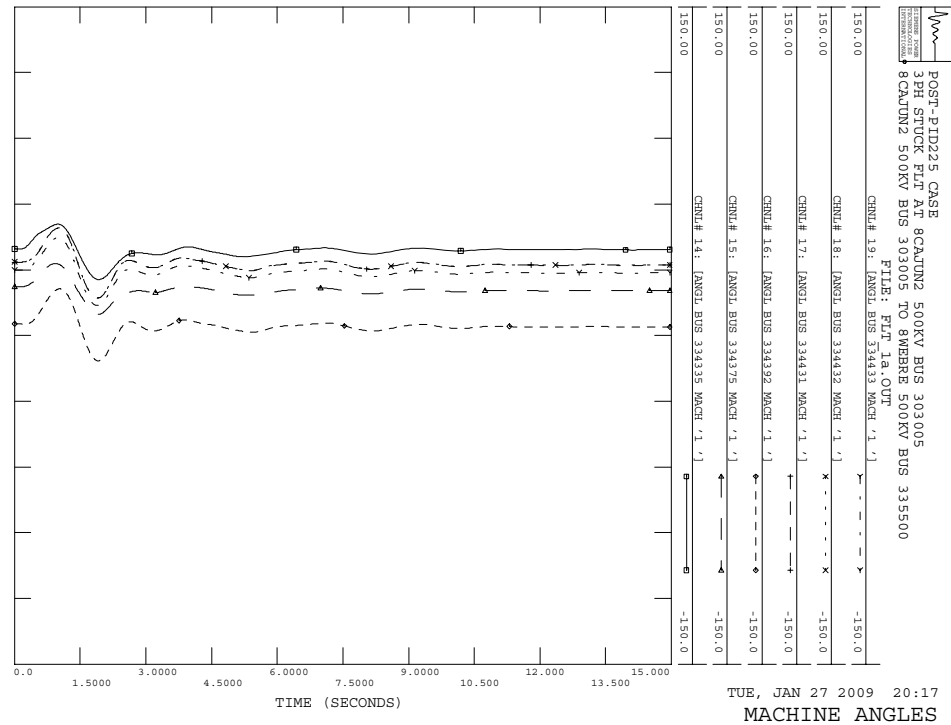
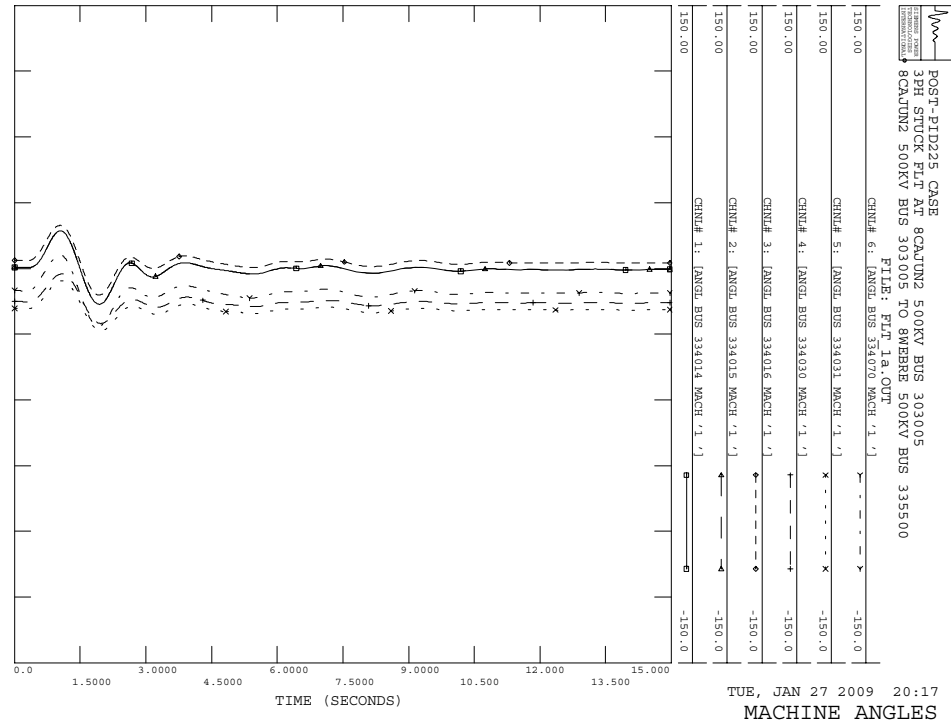
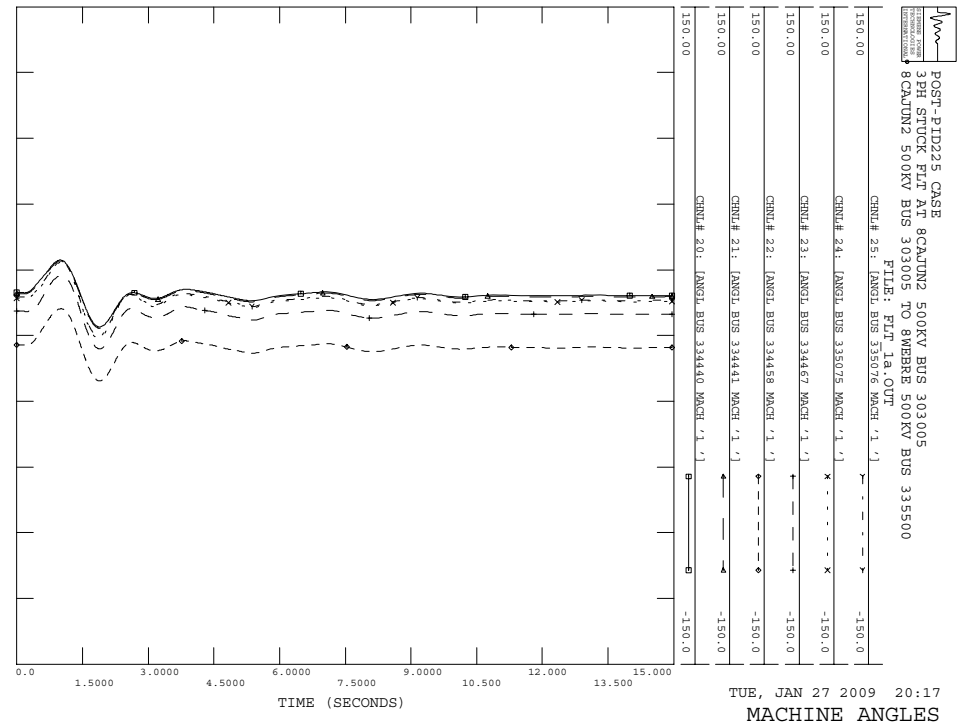
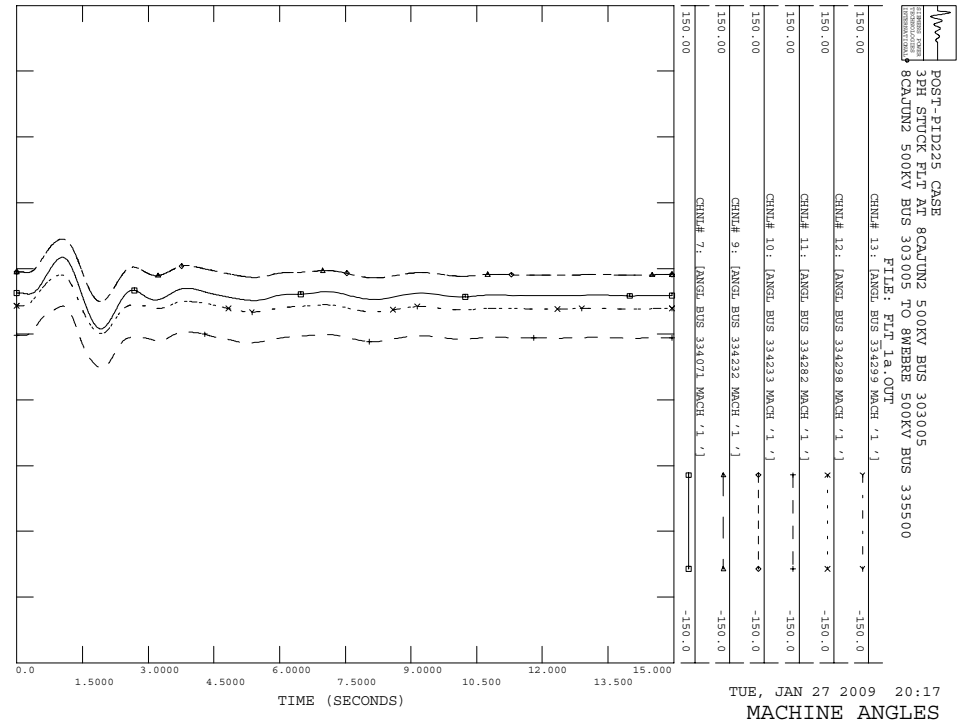


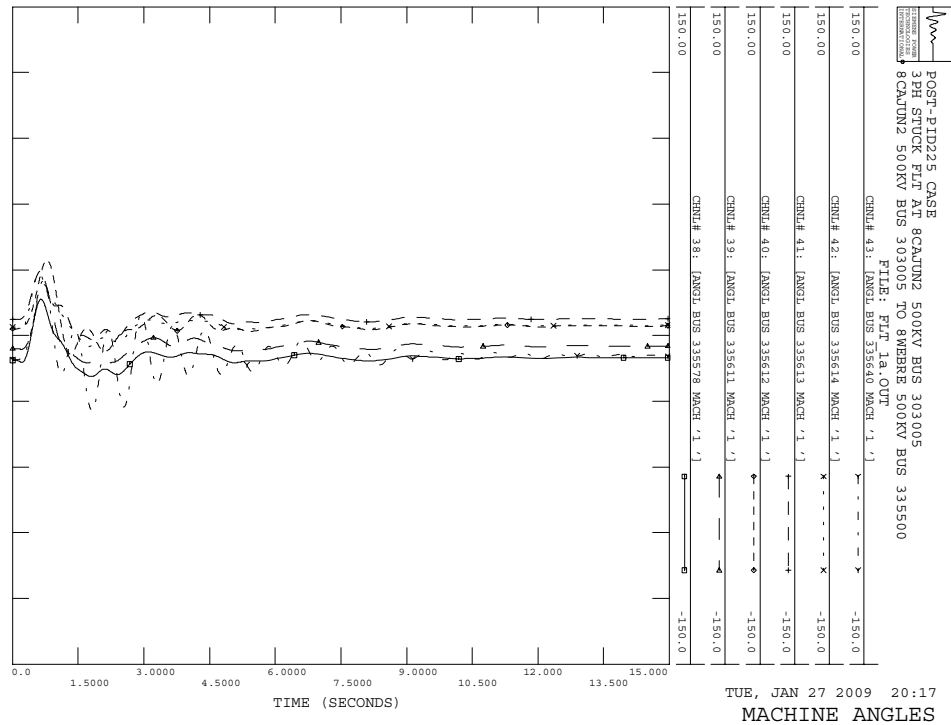
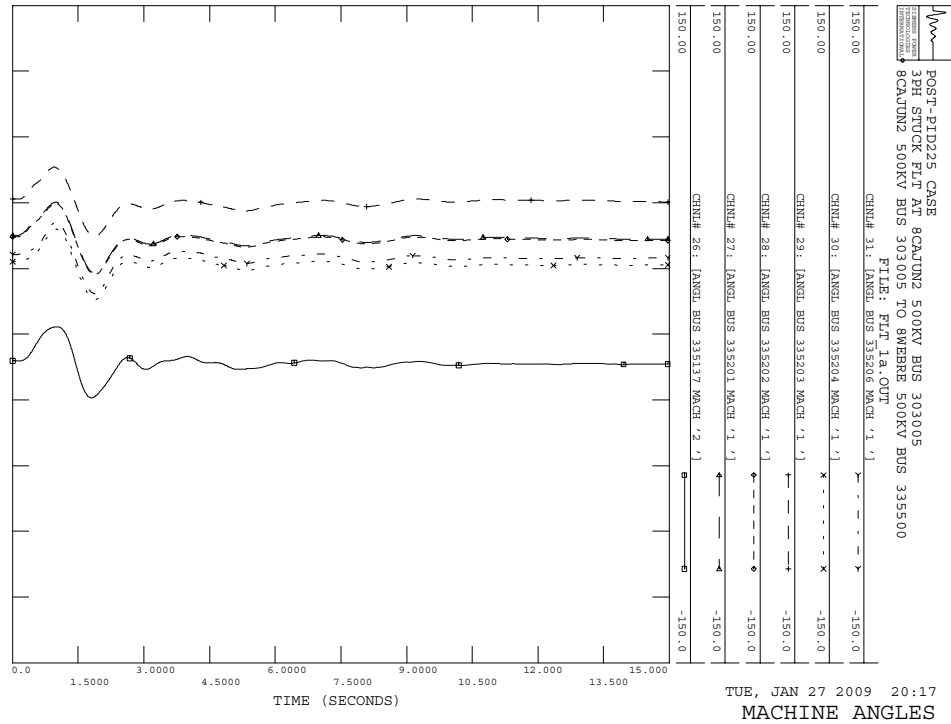
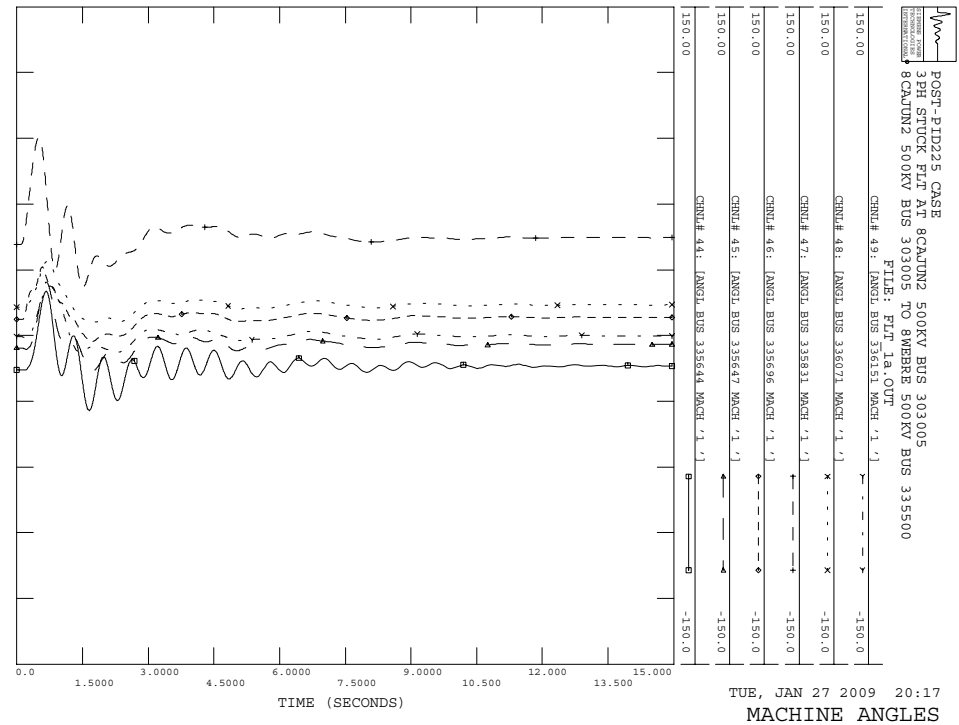
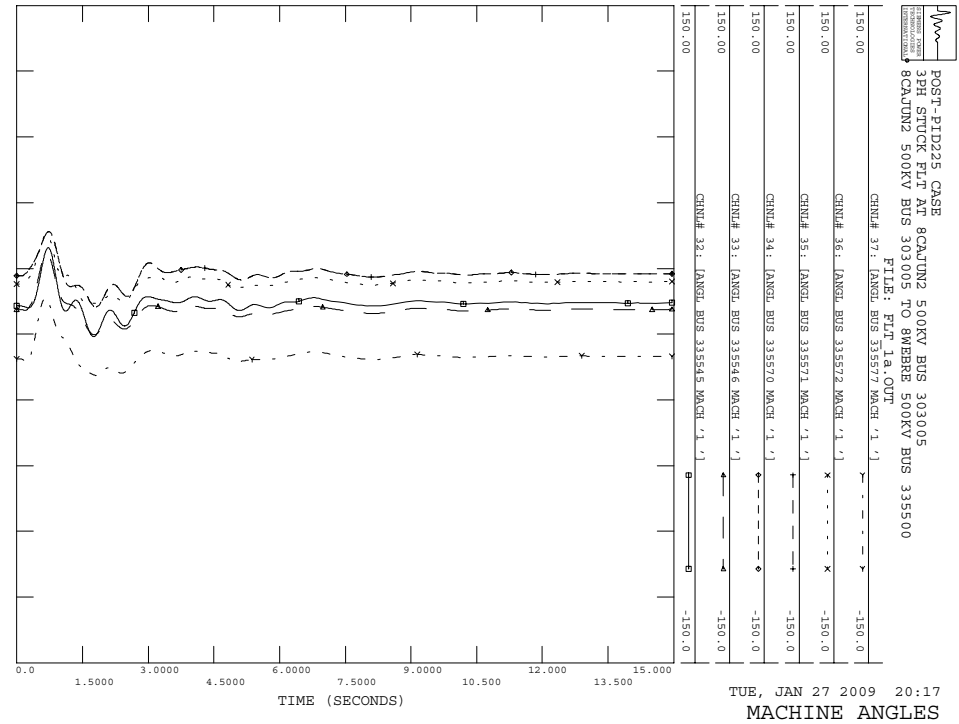
TUE, JAN 27 2009 20:17
PID-225 PLOTS

C.13 FLT_1a

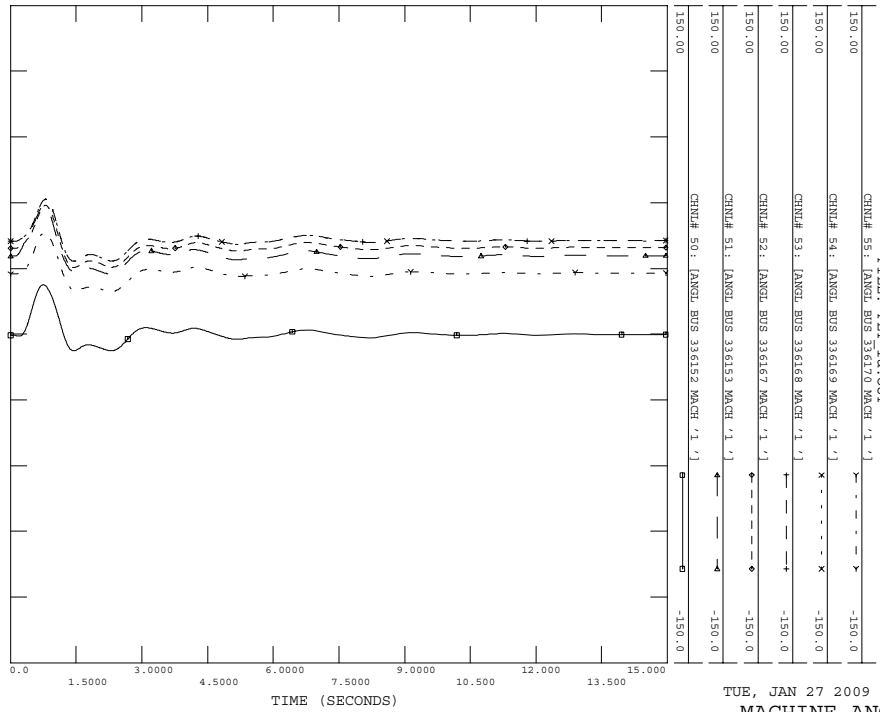
Stuck breaker fault on the 8CAJUN2 (#303005) to 8WEBRE (#335500) branch, near the 8CAJUN2.

- a) Apply 3 Phase Fault AT 8CAJUN2 500KV BUS 303005
- b) Run fault for 5 cycles.
- c) Remove fault at 8CAJUN2 500KV BUS 303005
- d) Apply 3 Phase fault at #303005 with admittance $885.59 -j 13361.1$ MVA
- e) Clear fault after 9 cycles by tripping line from 8CAJUN2 500KV BUS 303005 TO 8WEBRE 500KV BUS 335500.

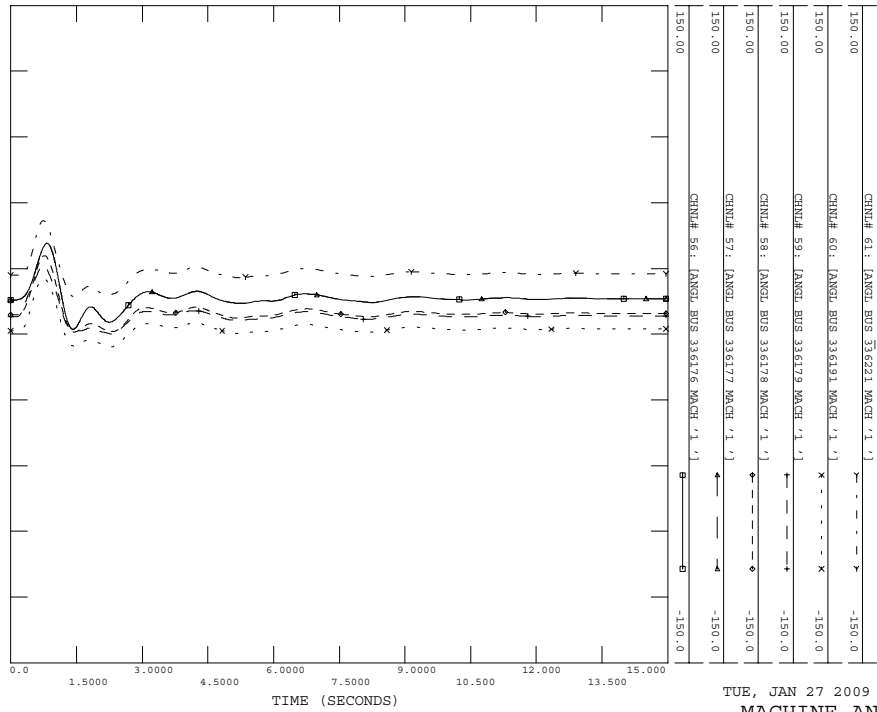




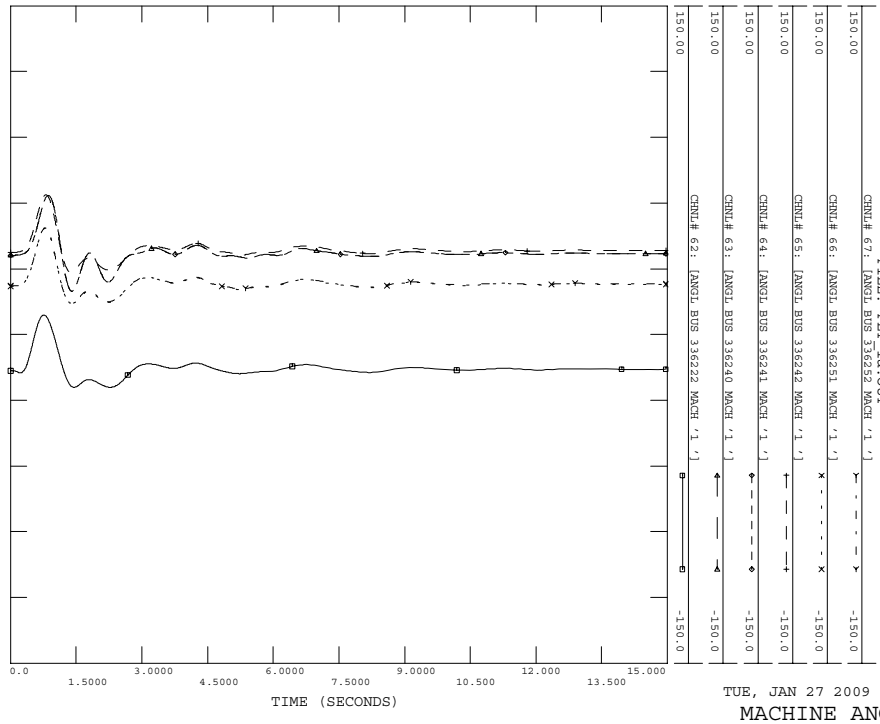
POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8MBER 500KV BUS 335500
FILE: FLT_1a.OUT



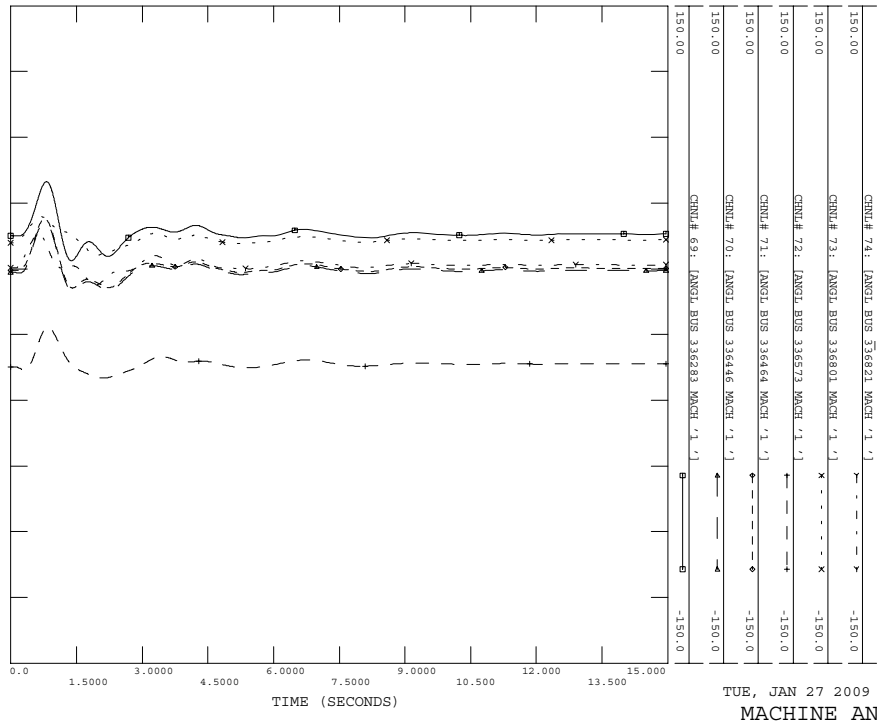
POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8MBER 500KV BUS 335500
FILE: FLT_1a.OUT

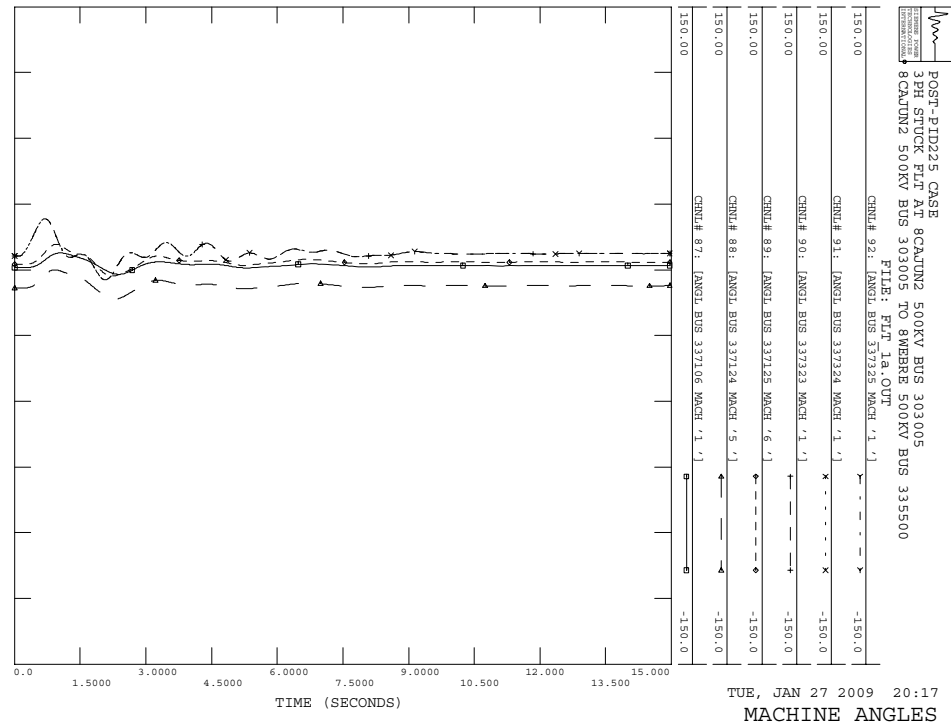
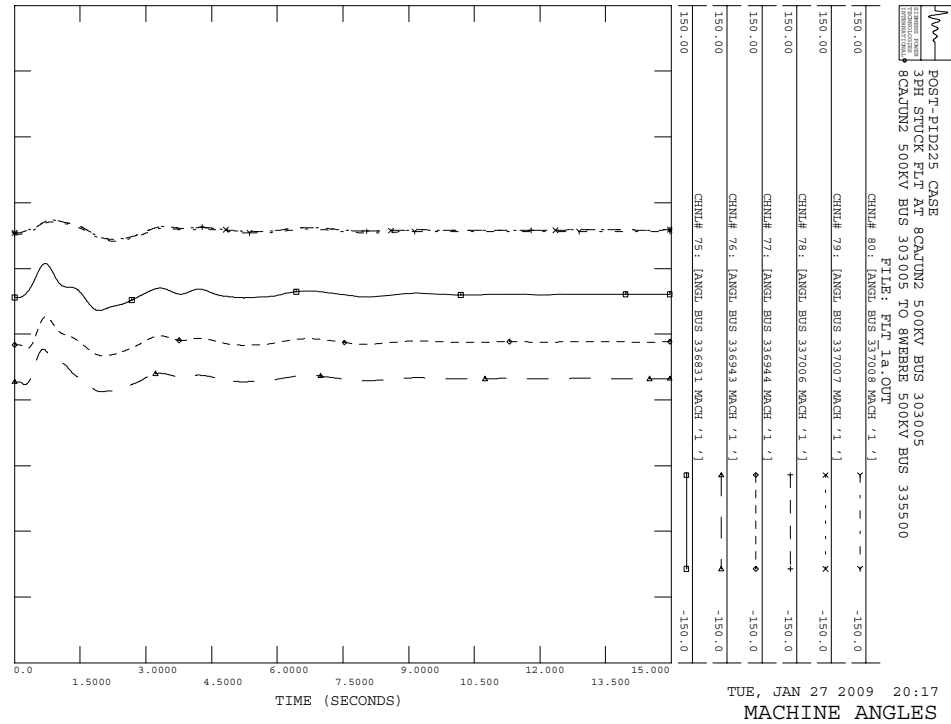
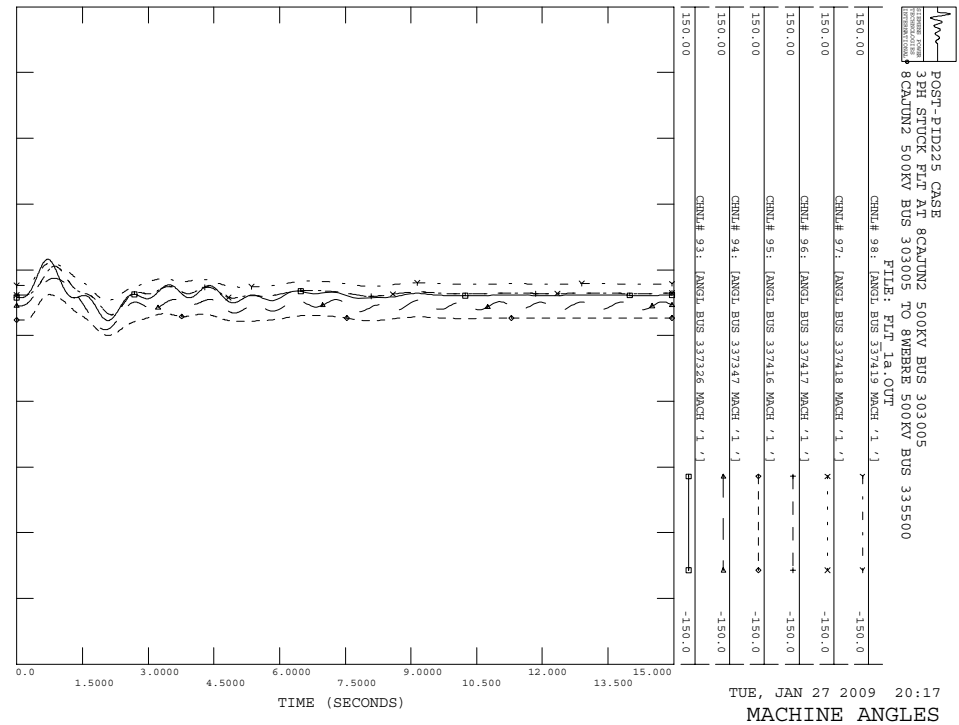
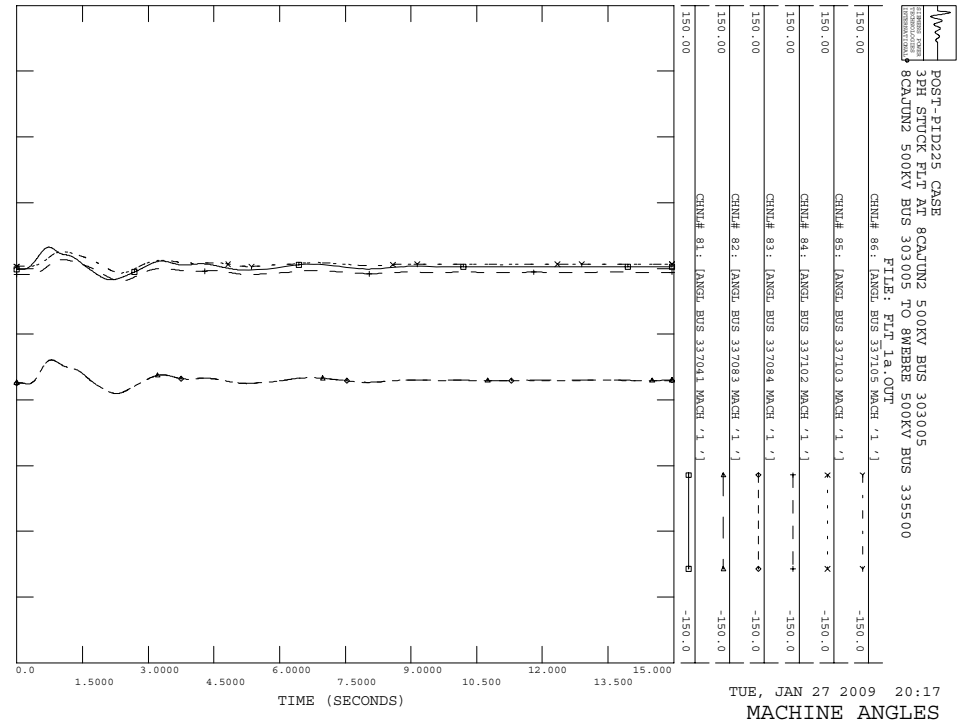


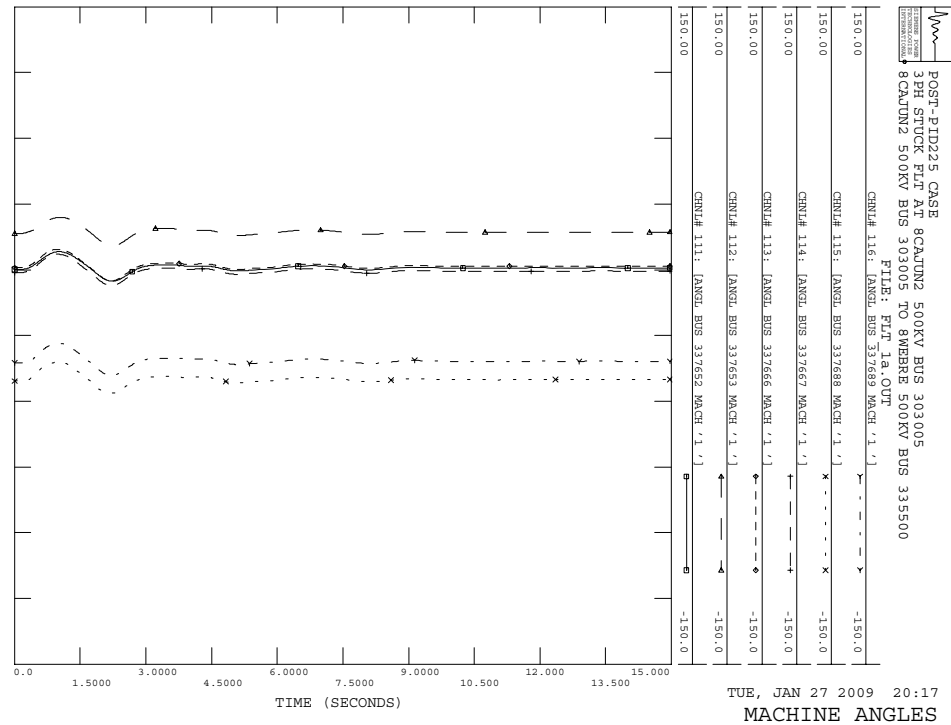
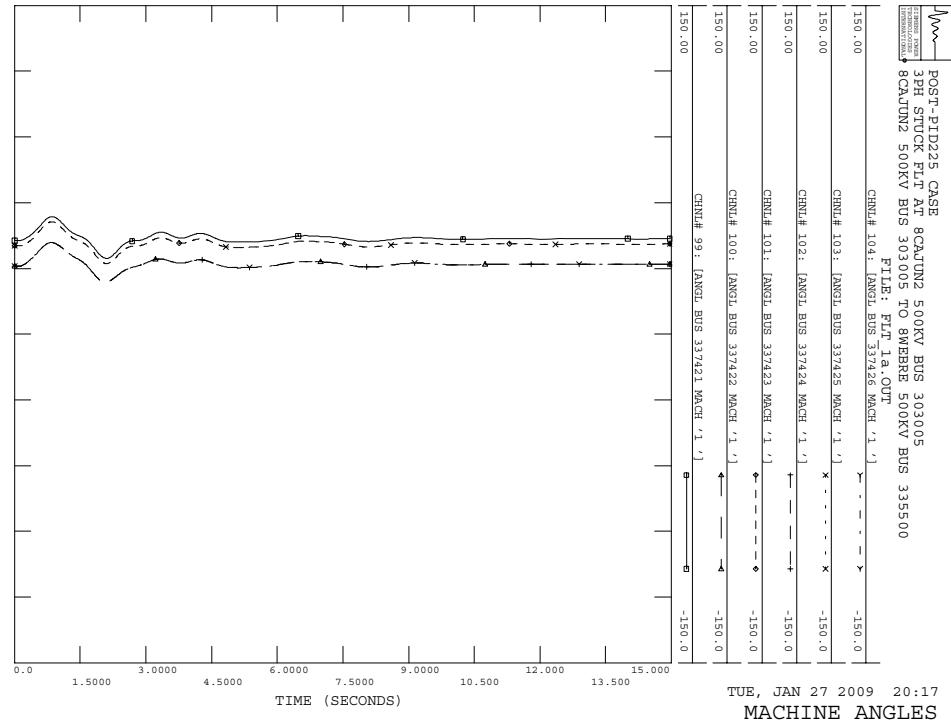
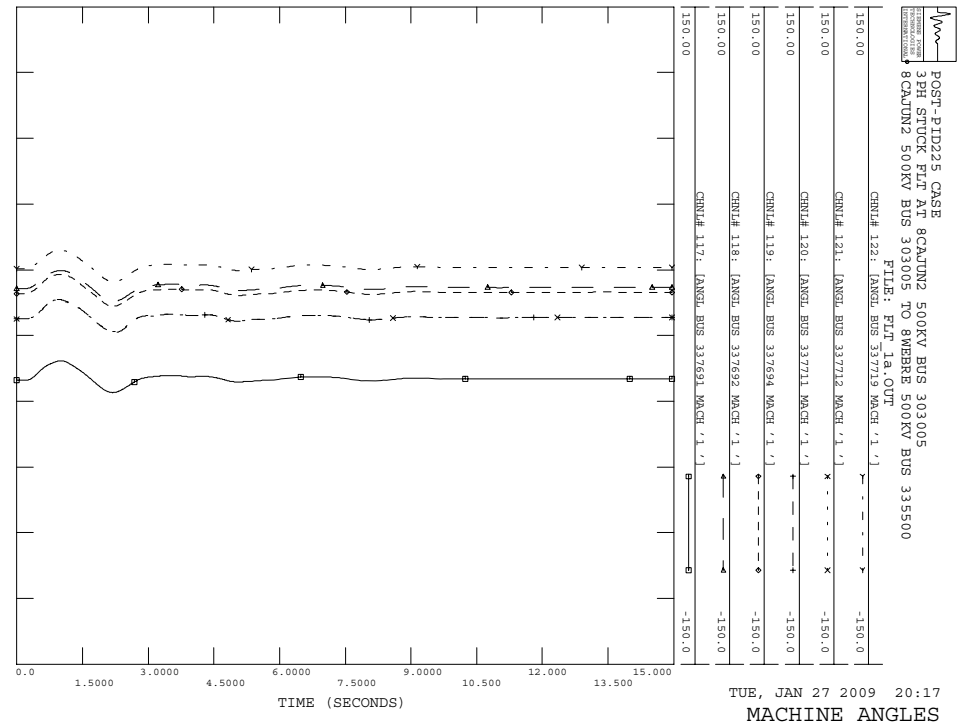
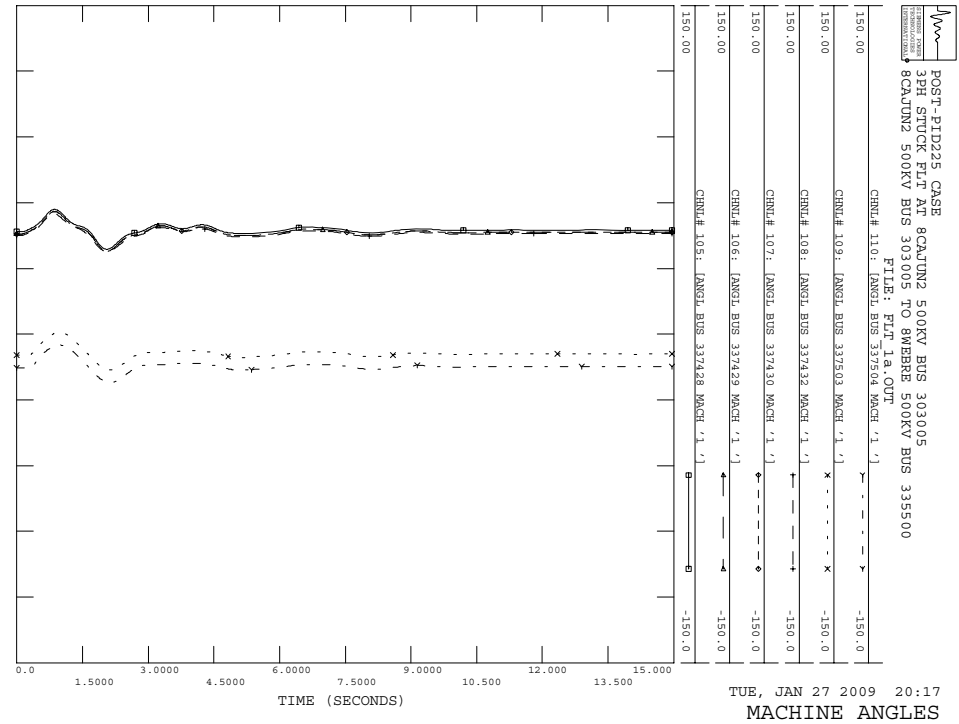
POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8MBER 500KV BUS 335500
FILE: FLT_1a.OUT

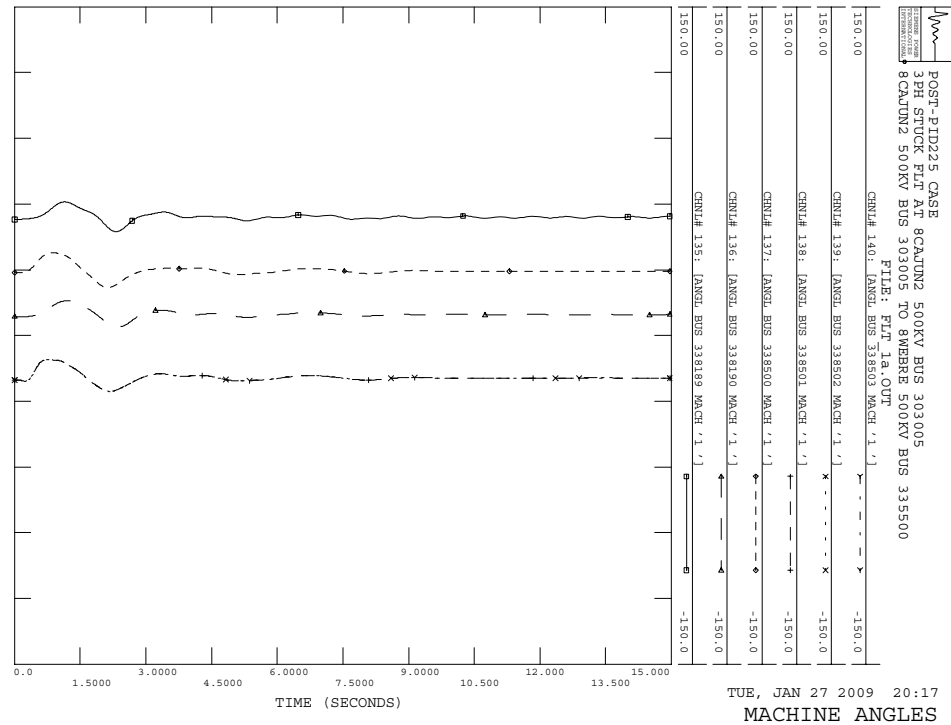
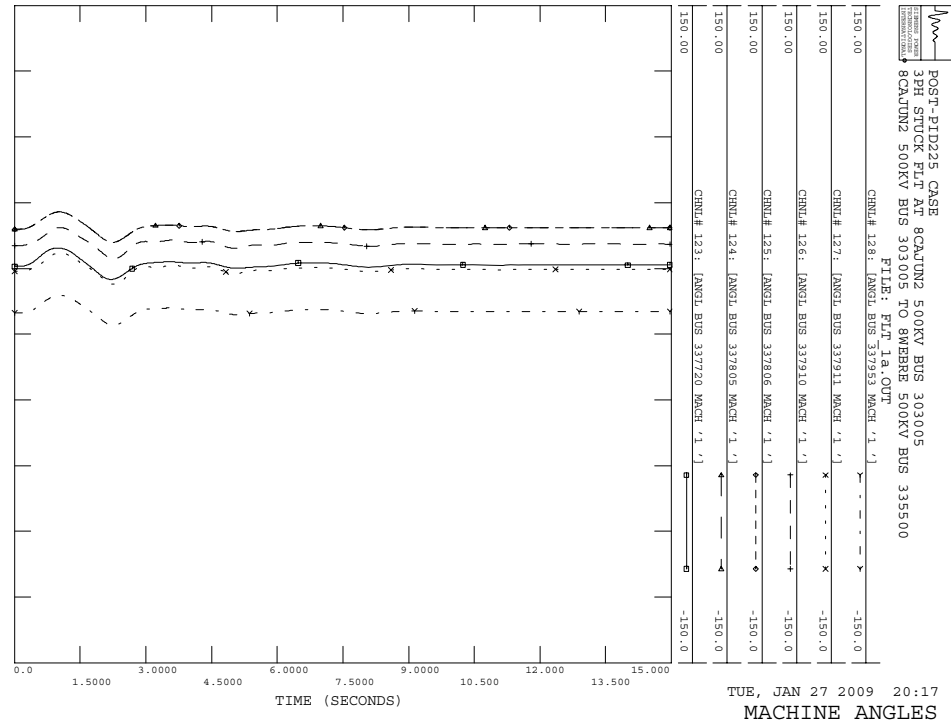
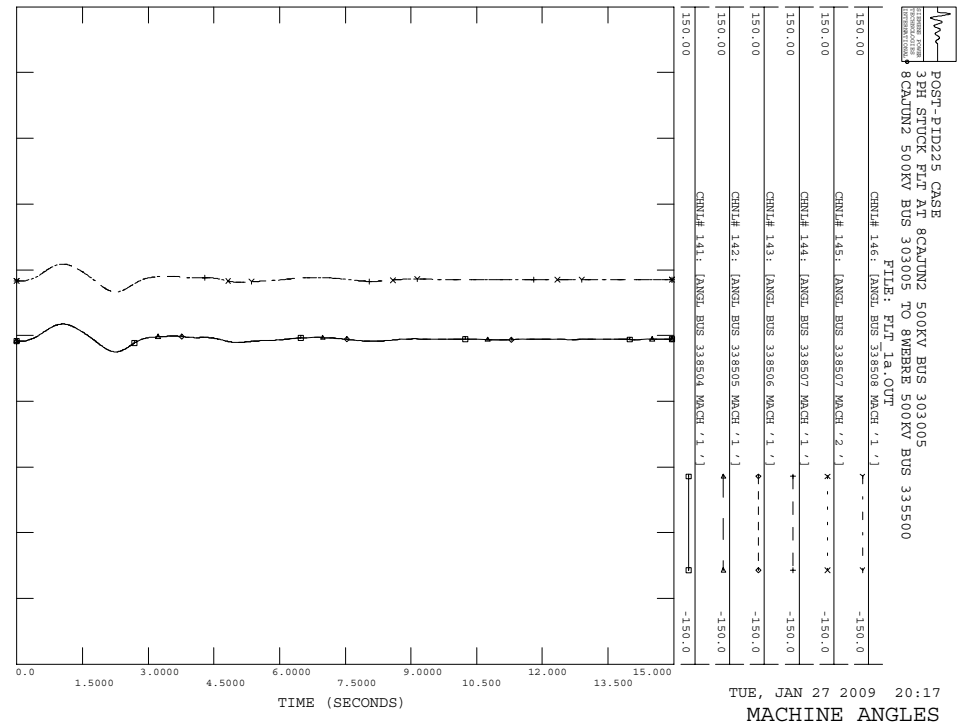
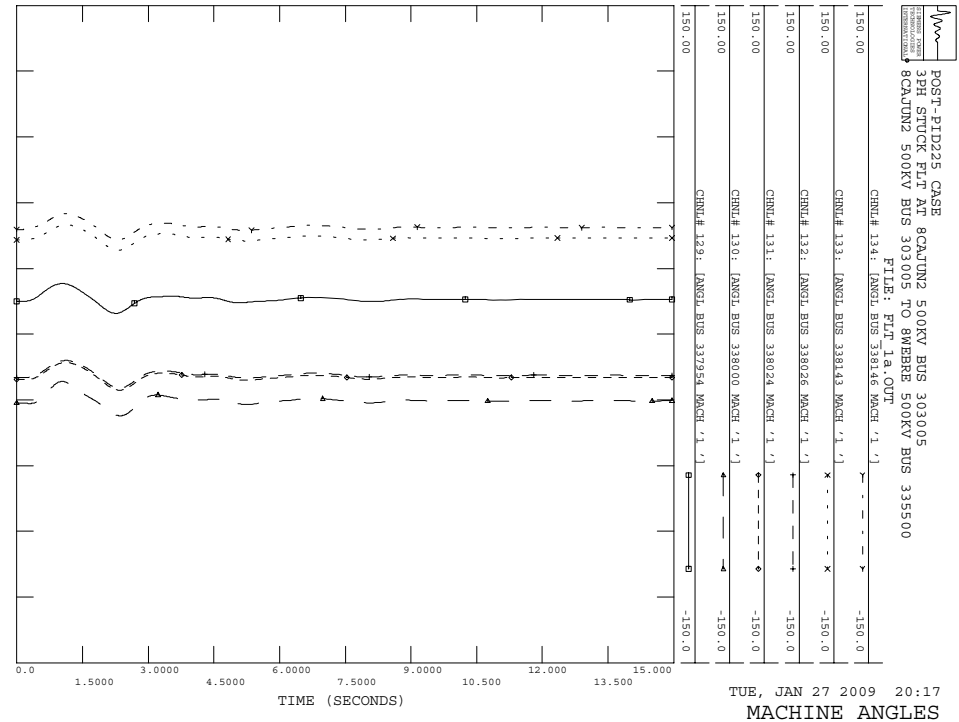


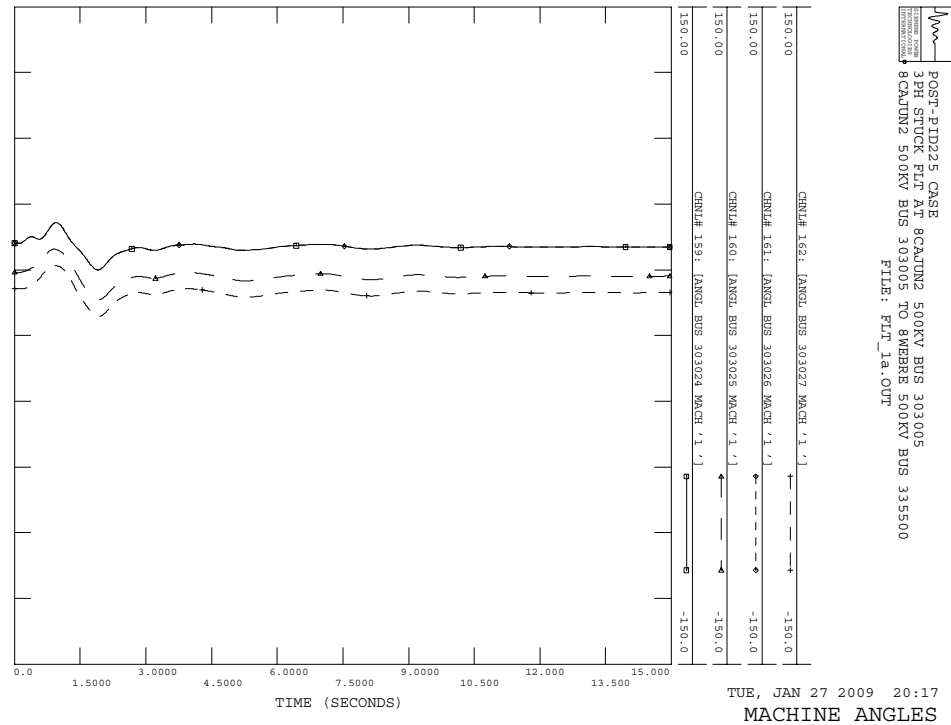
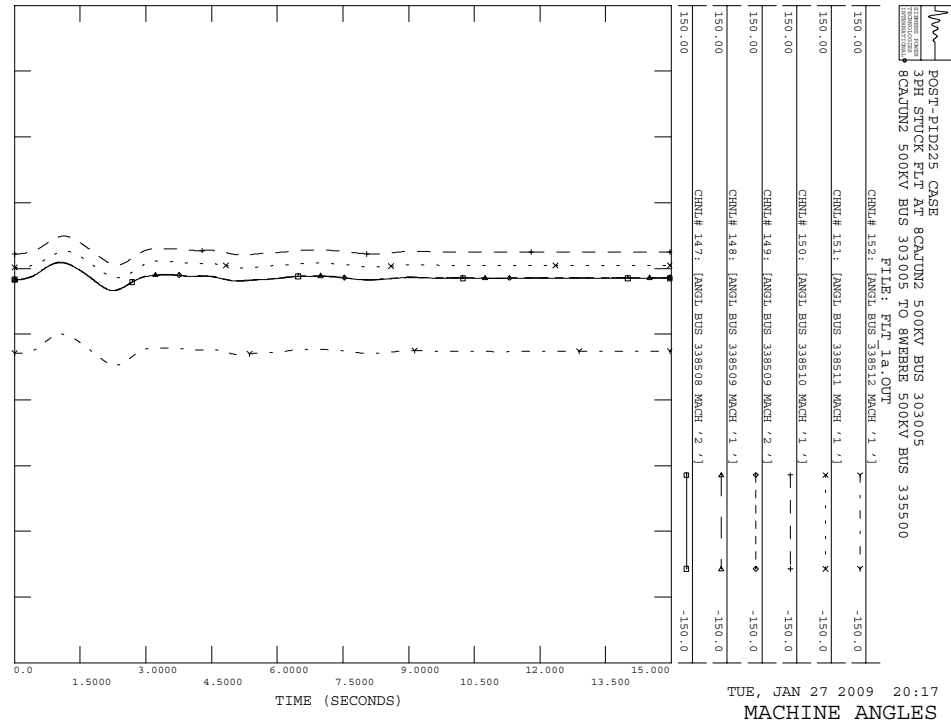
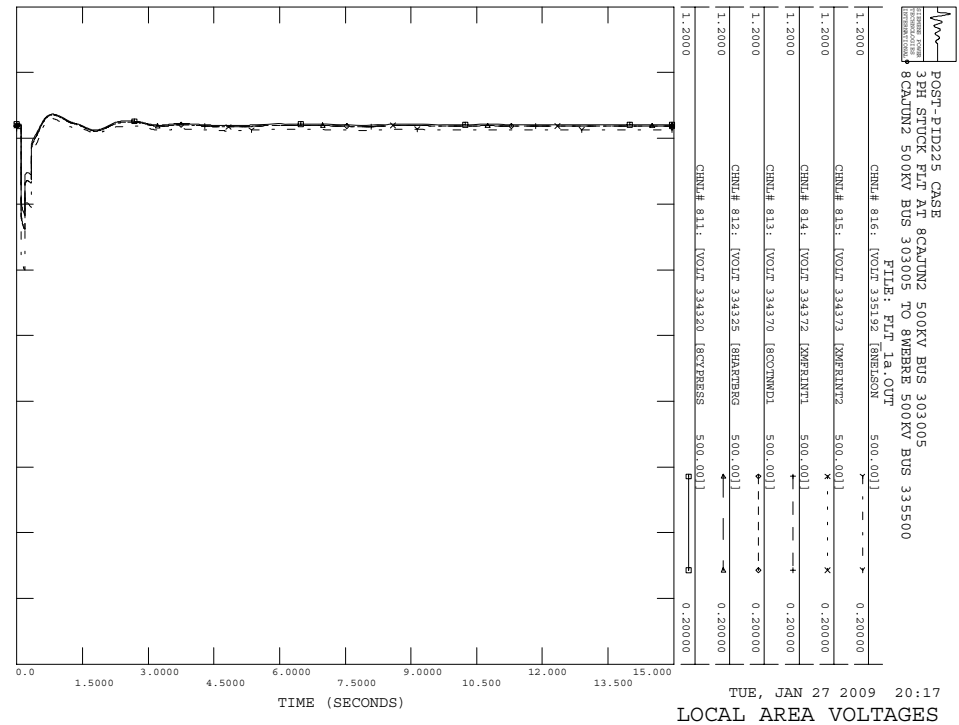
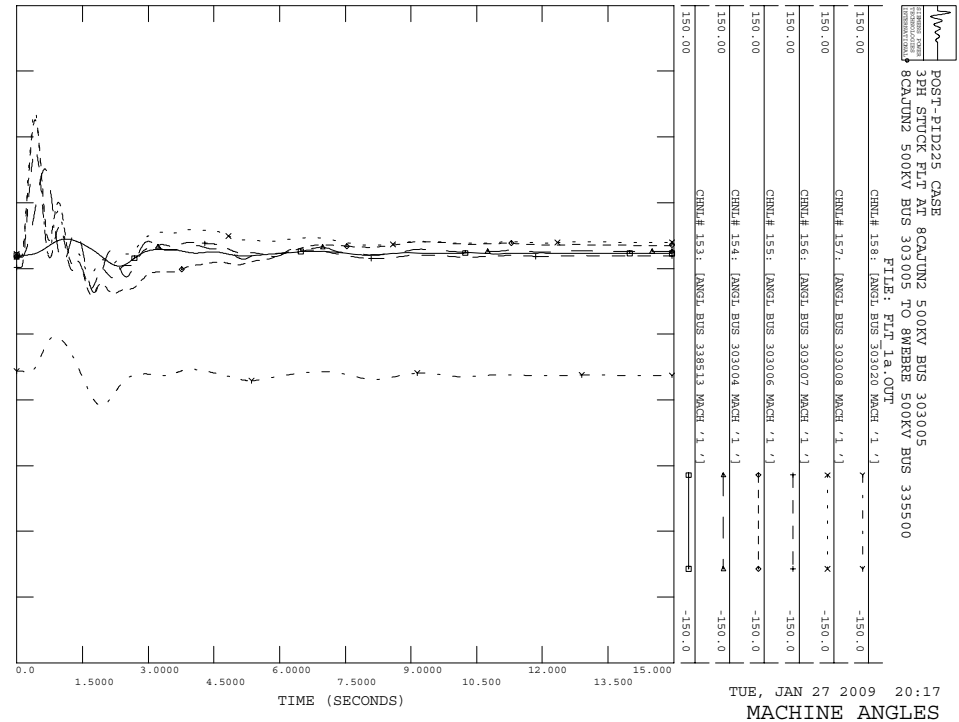
POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8MBER 500KV BUS 335500
FILE: FLT_1a.OUT

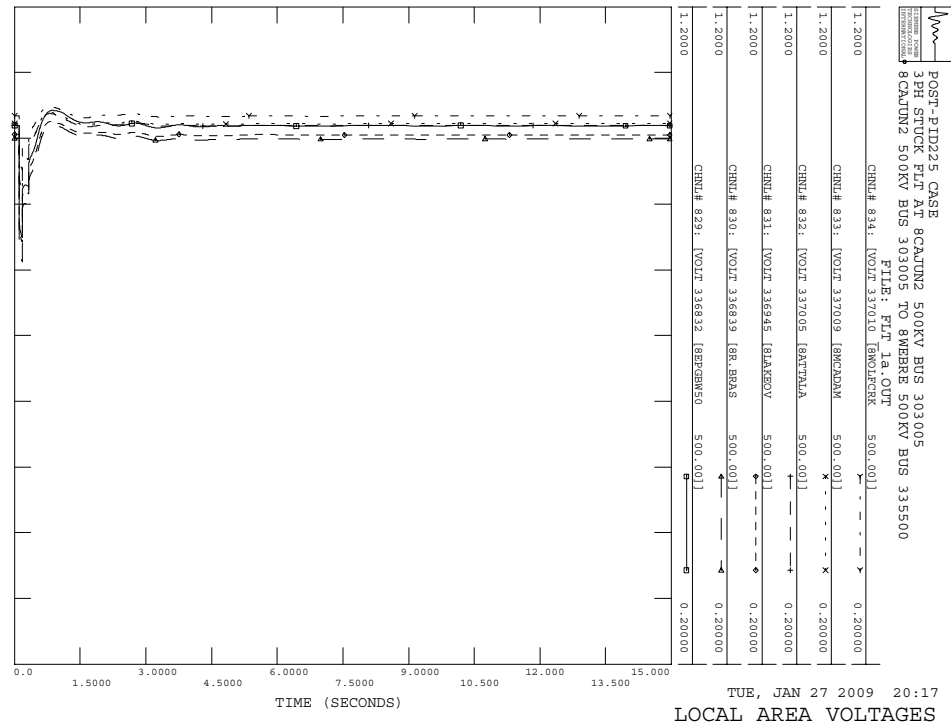
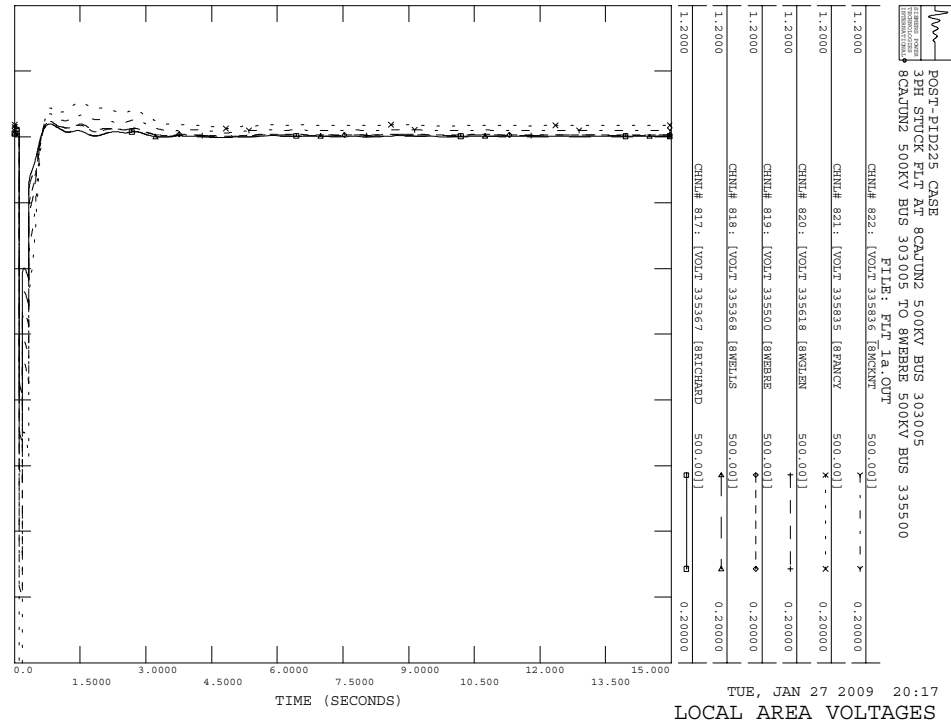
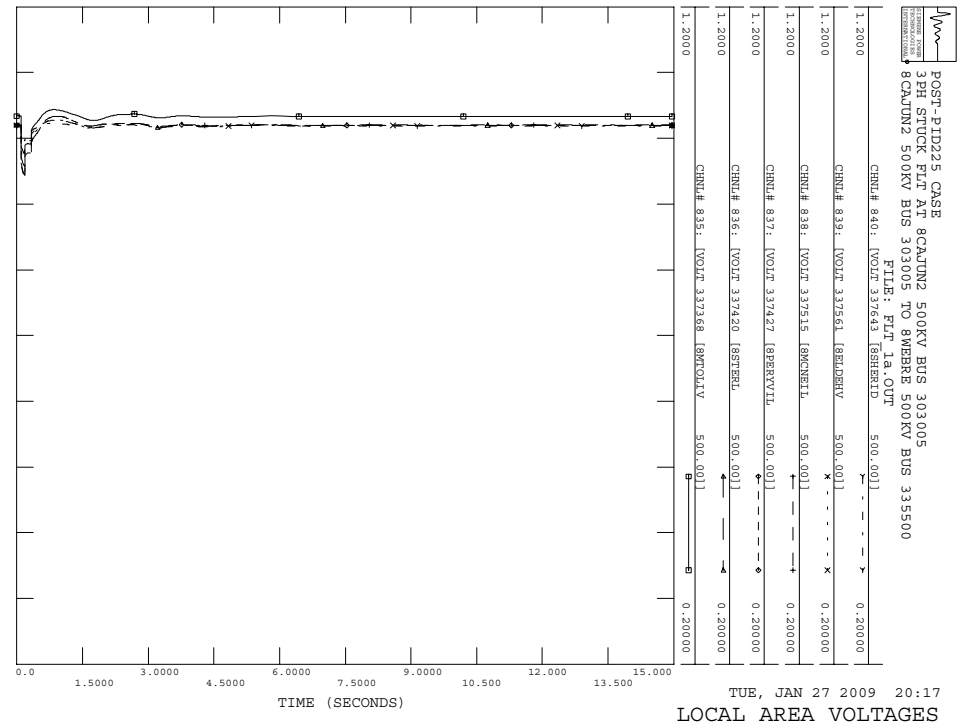
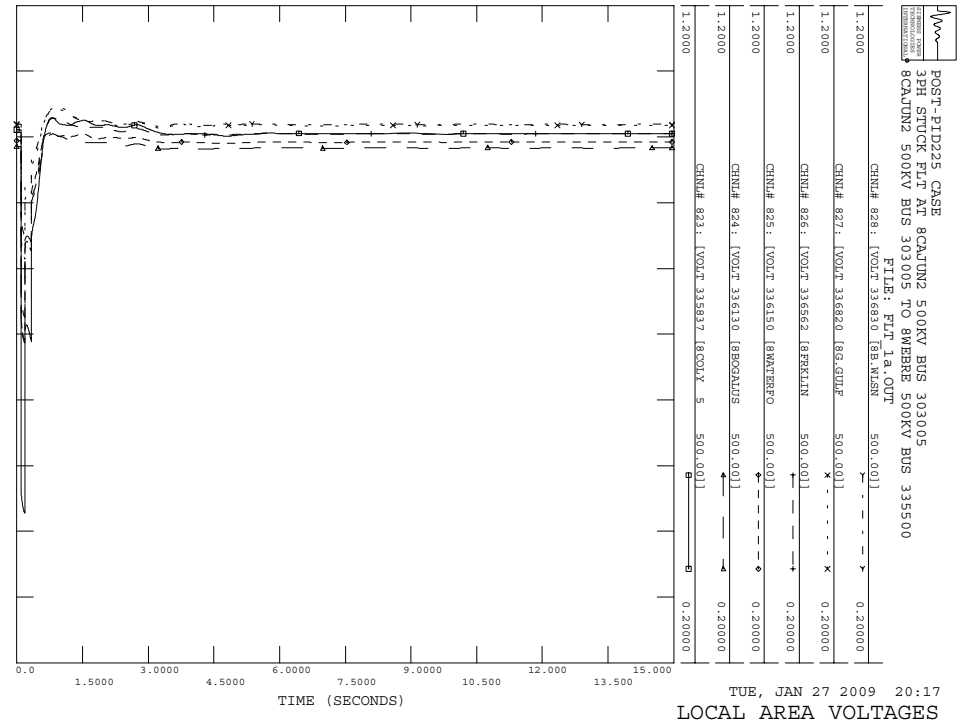


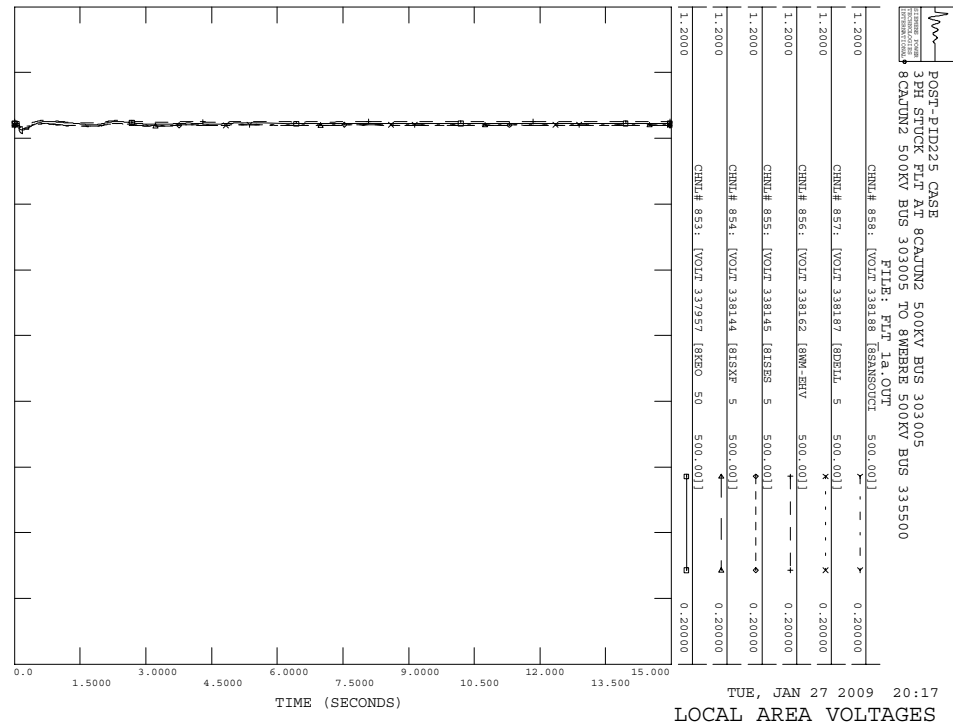
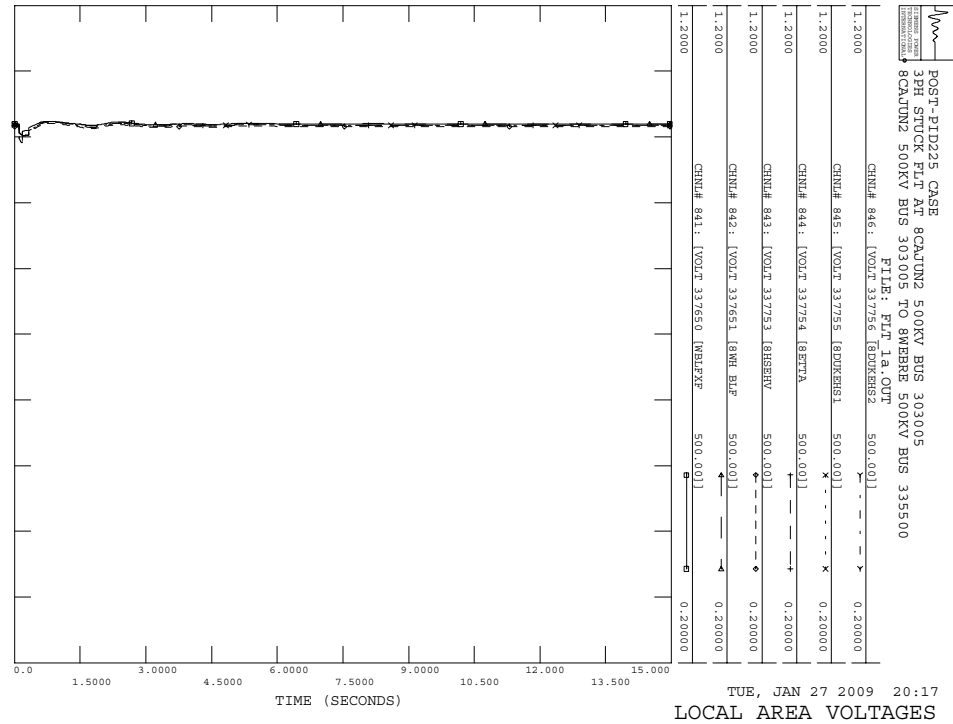
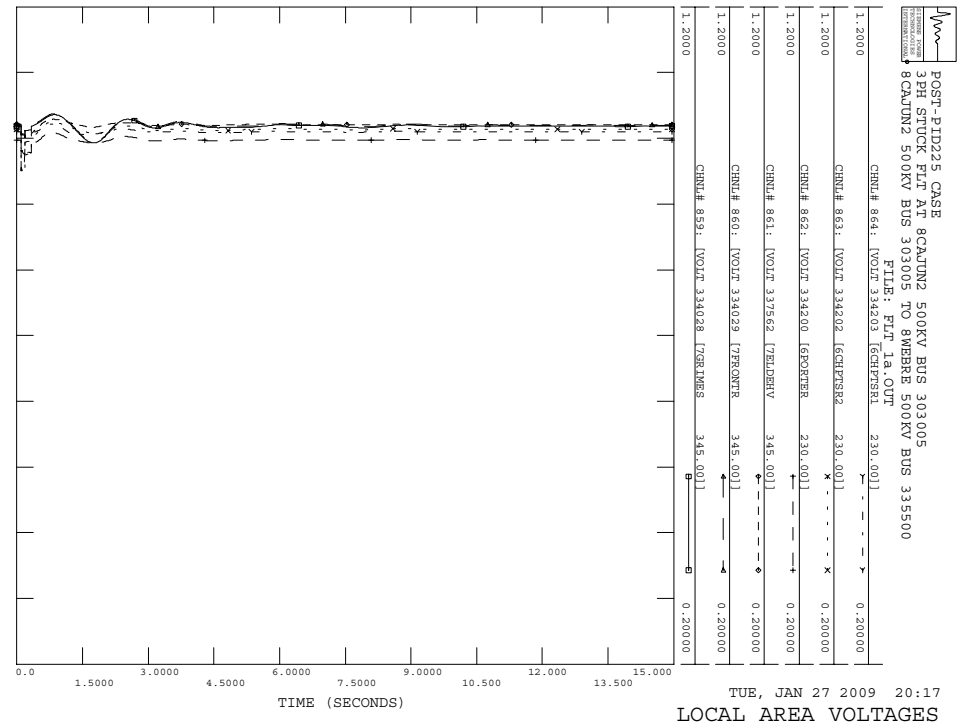
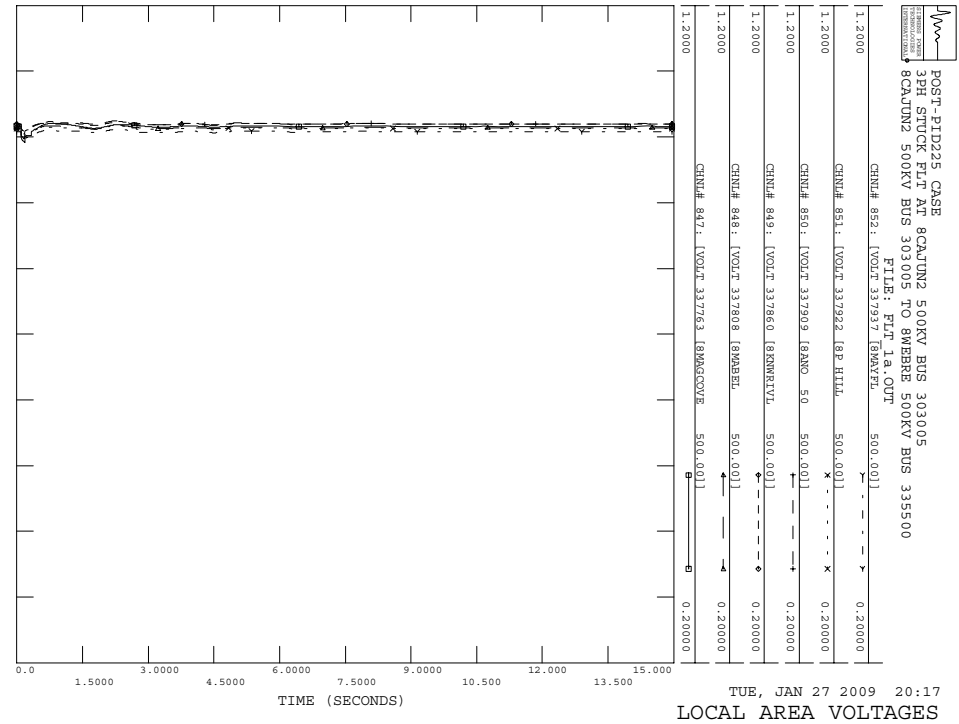


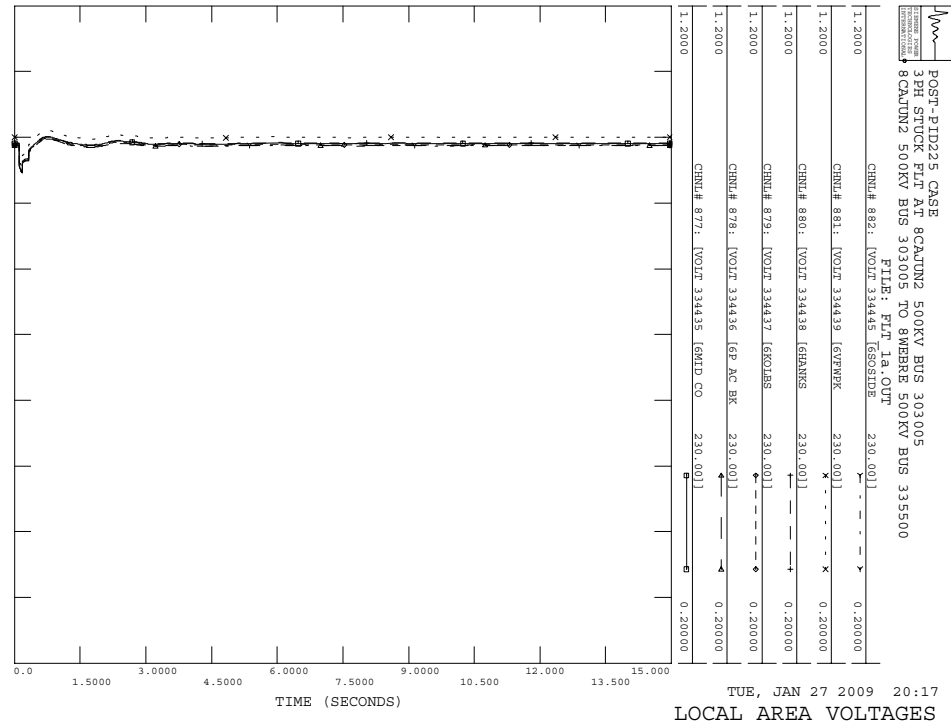
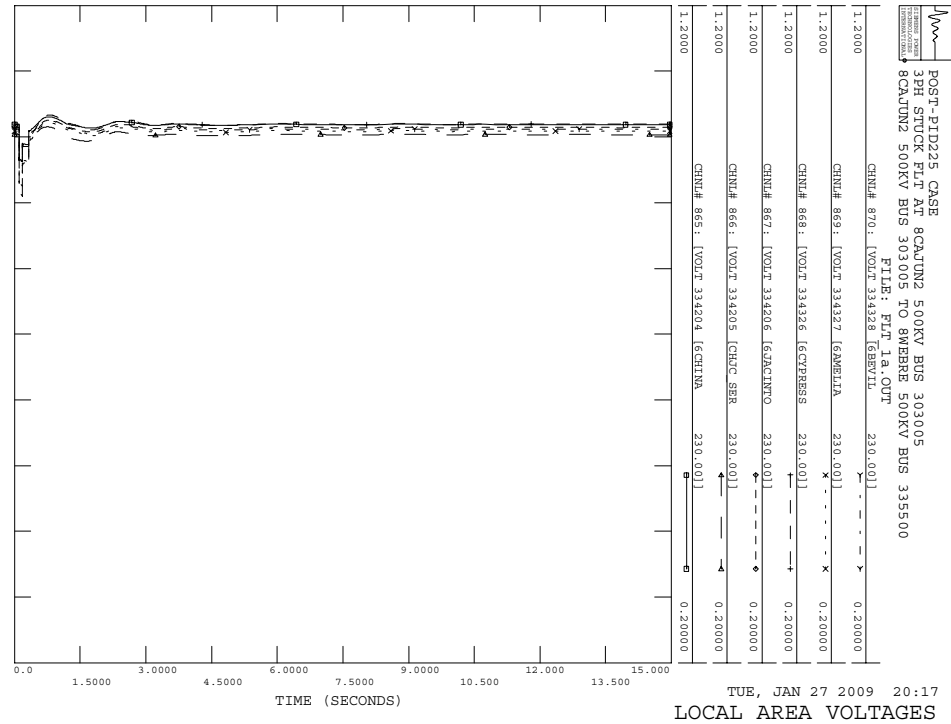
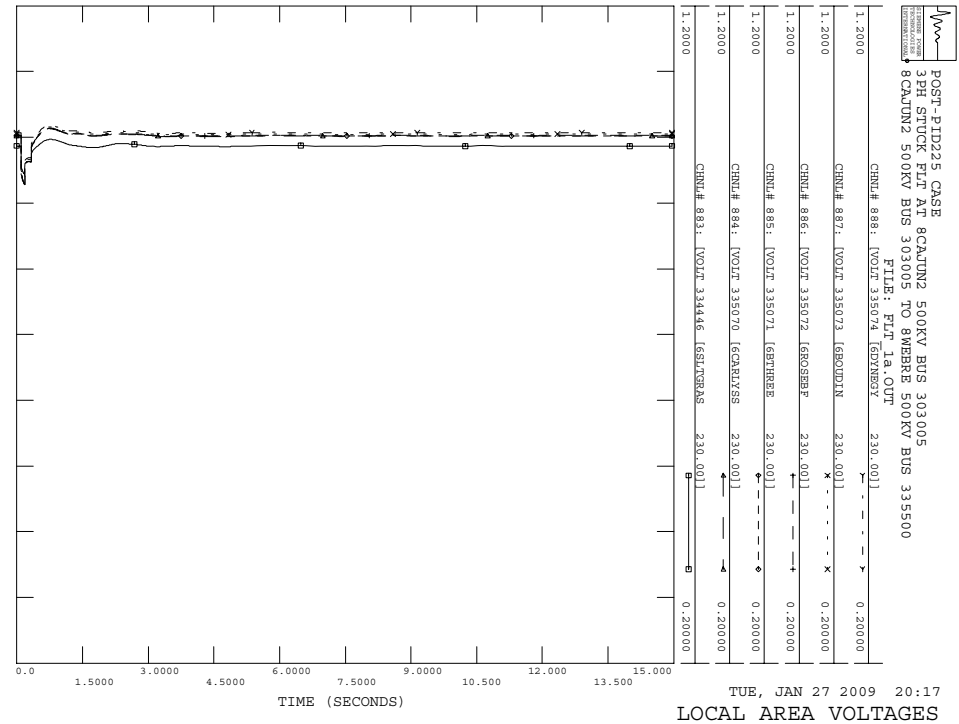
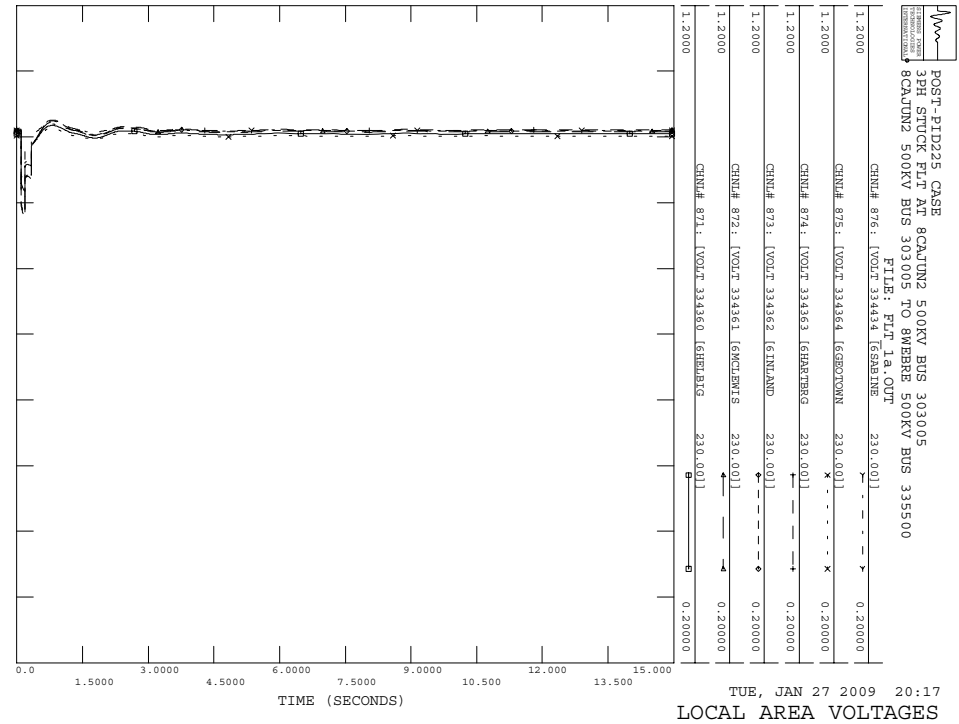


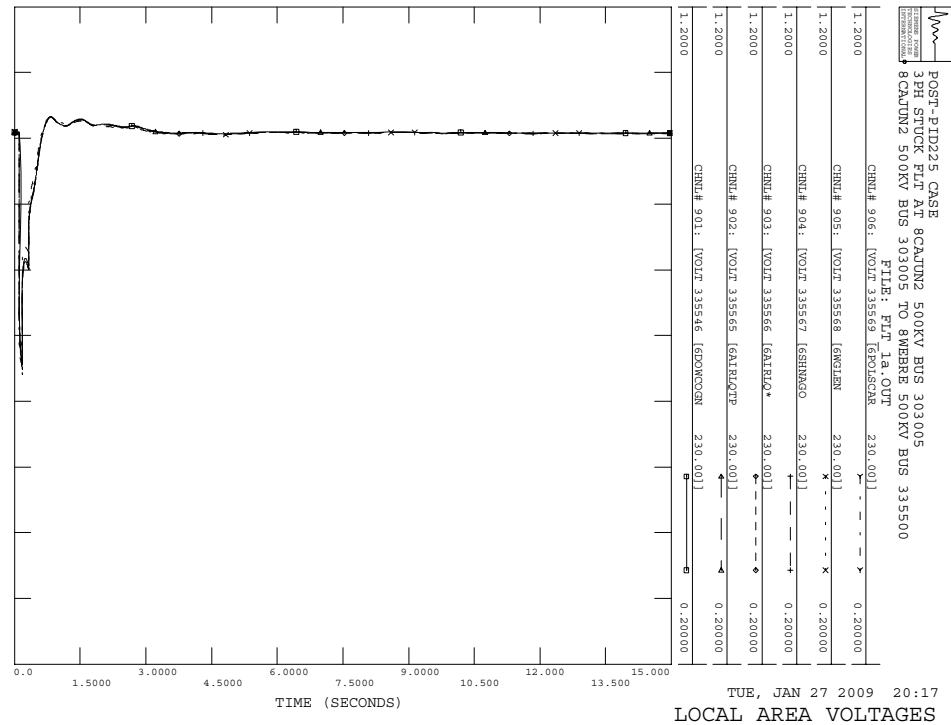
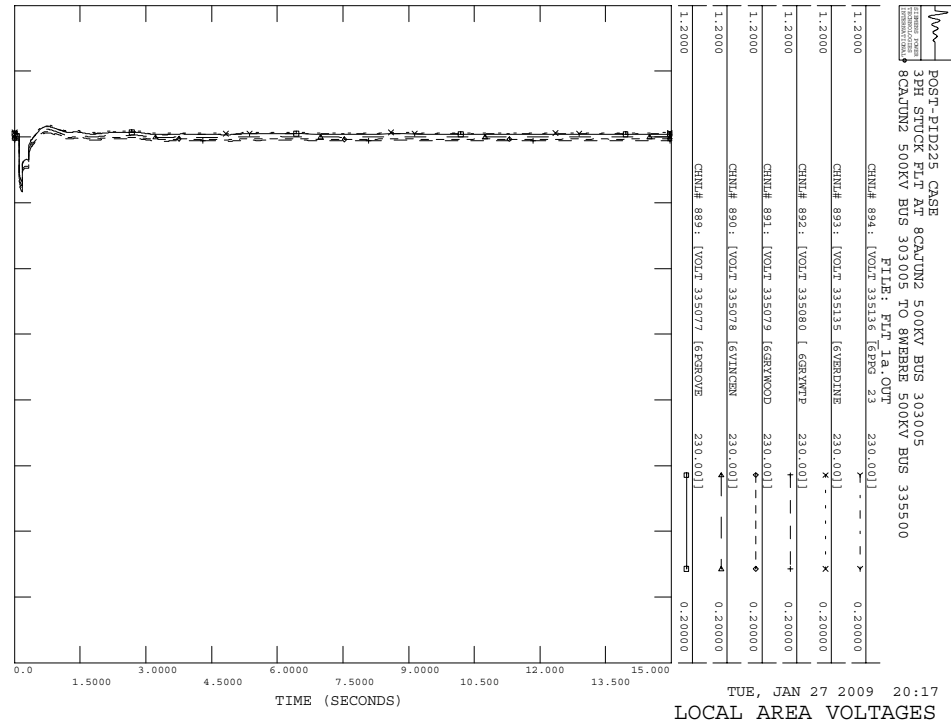
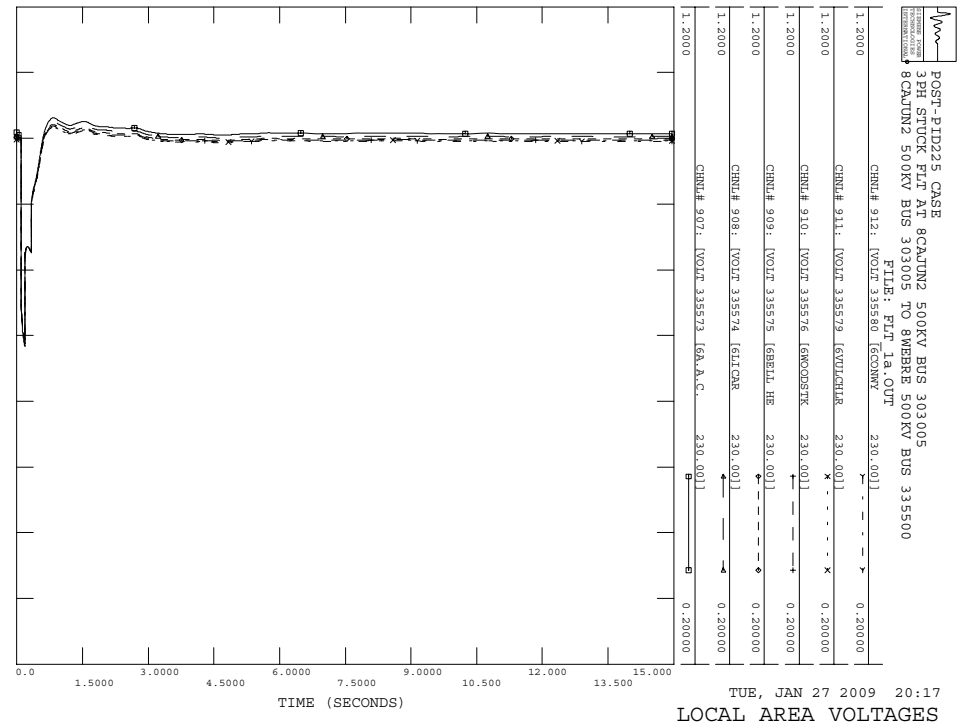
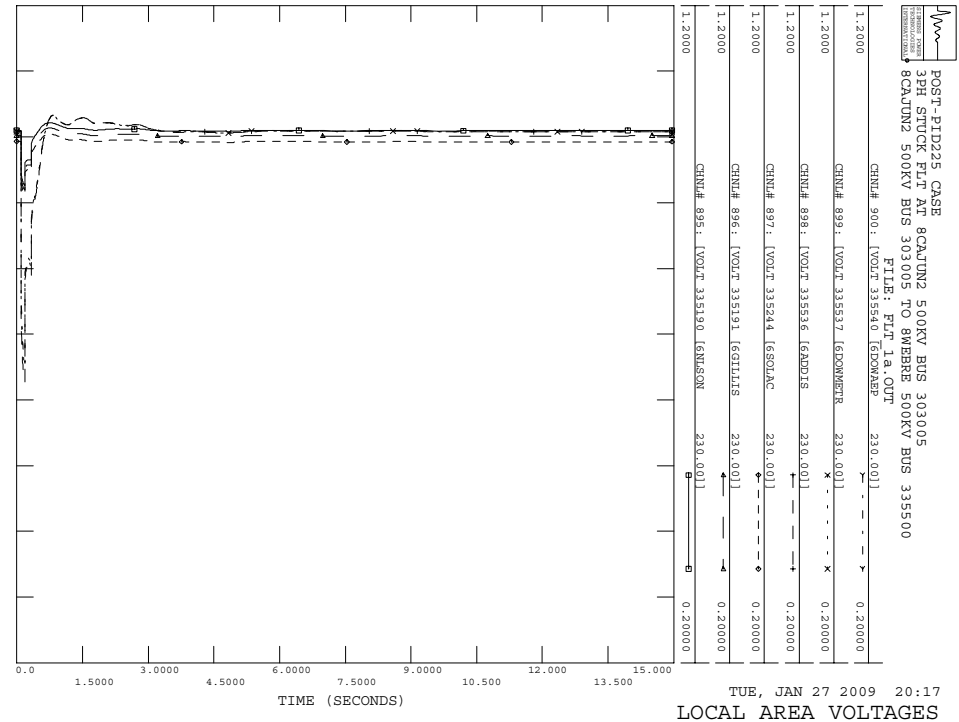


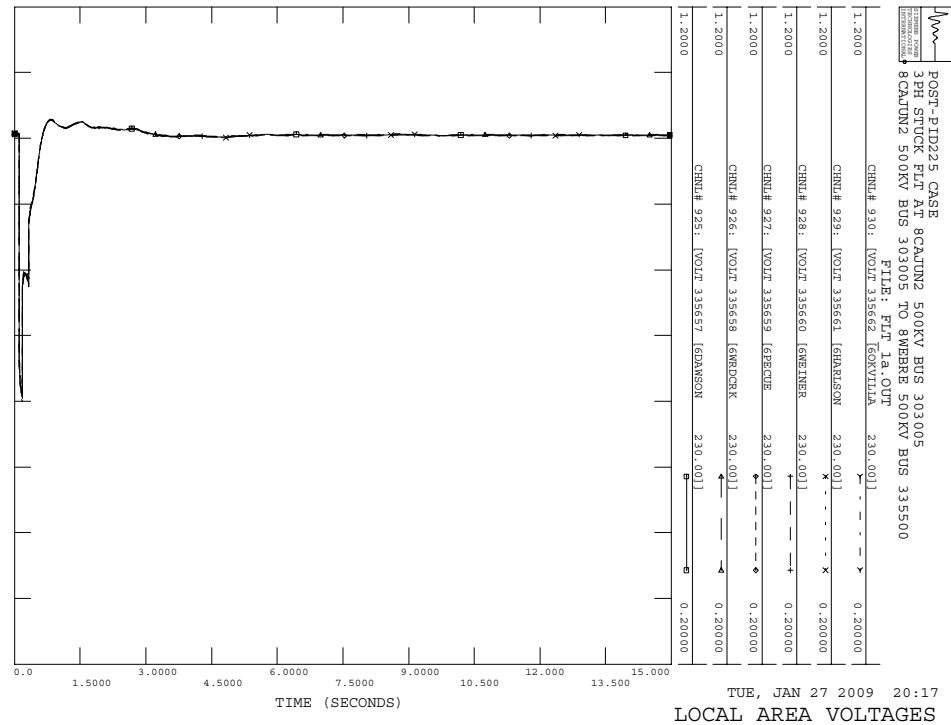
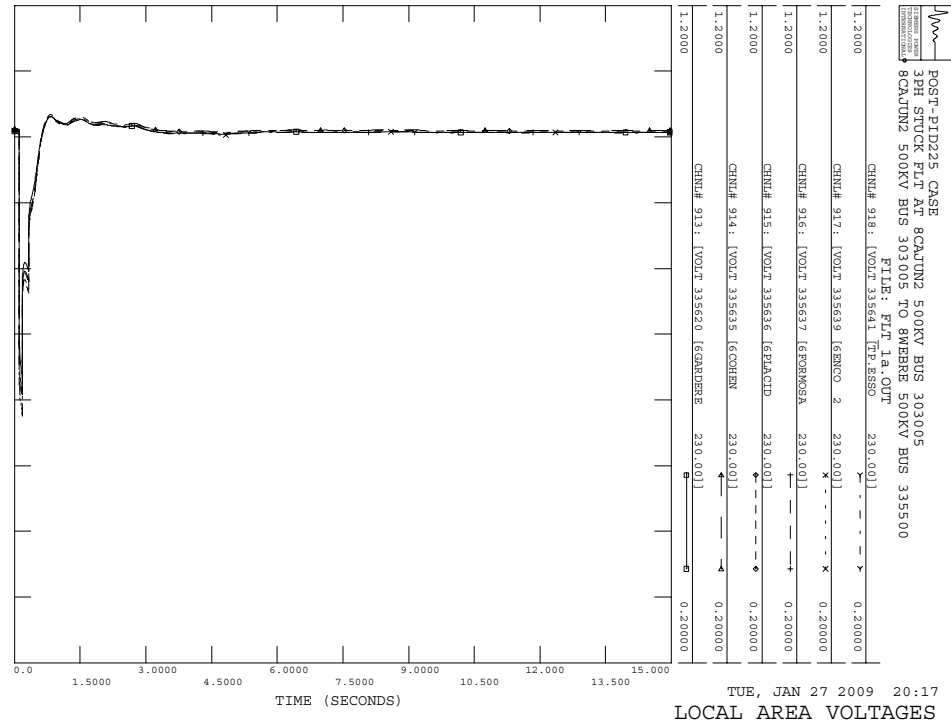
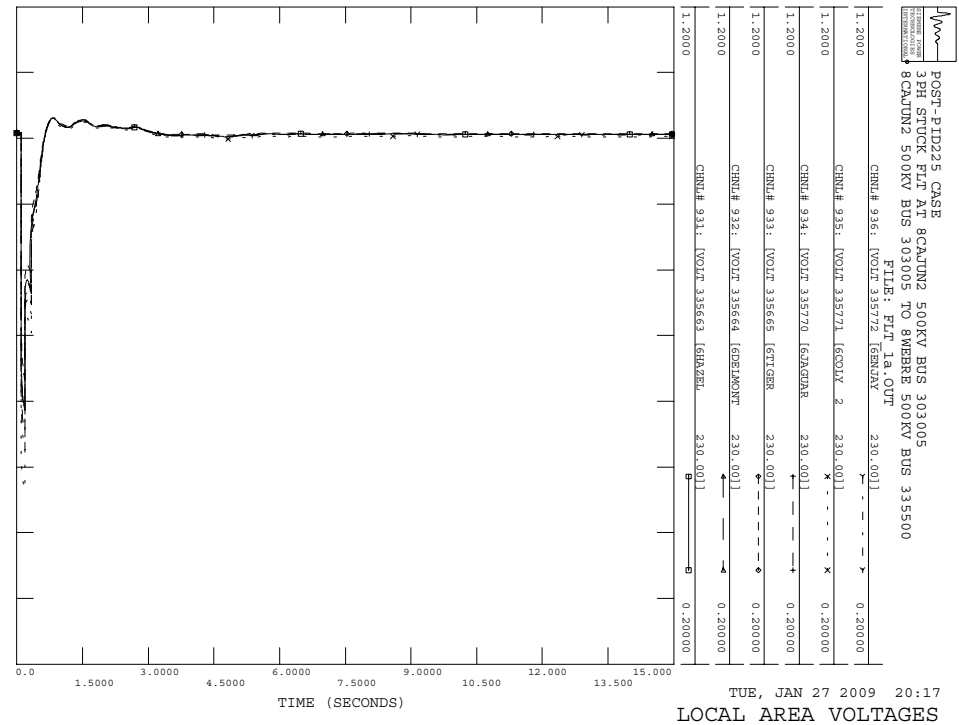
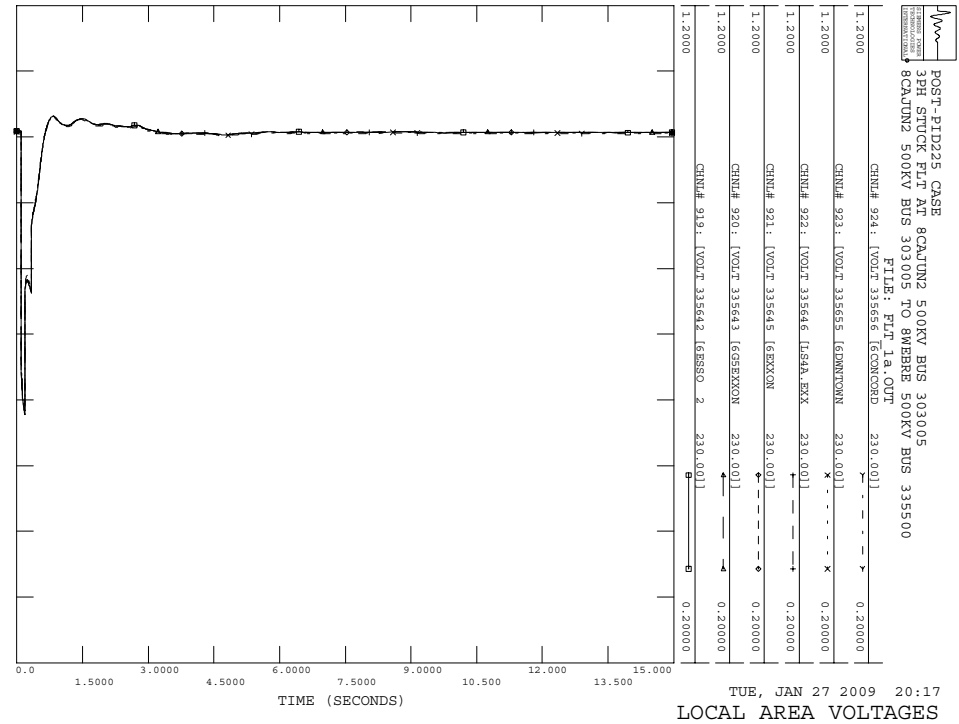


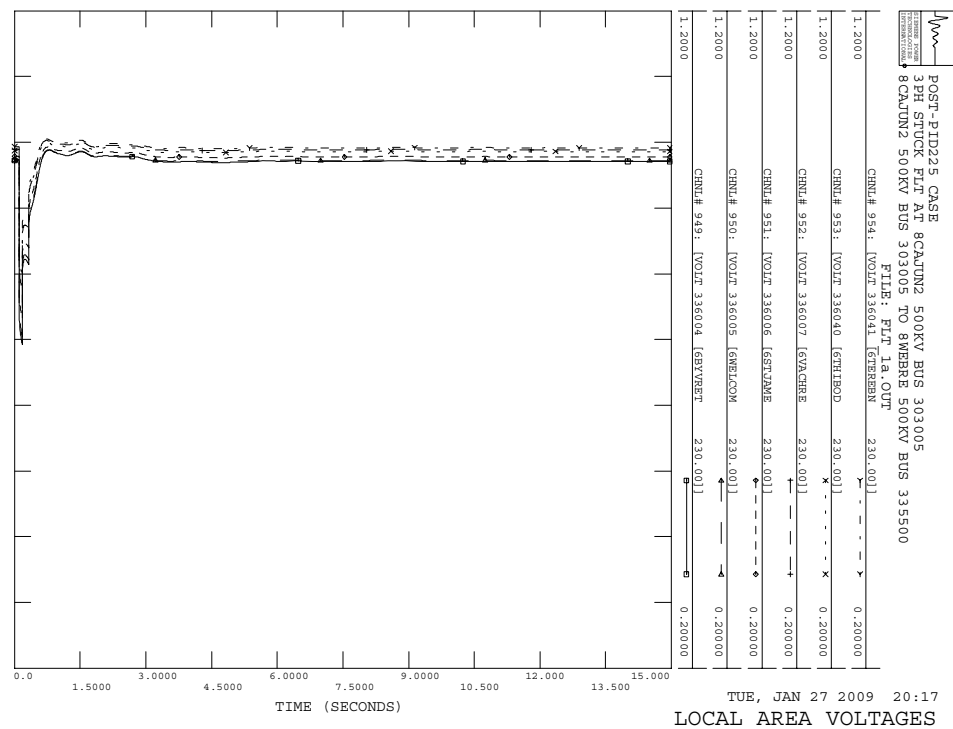
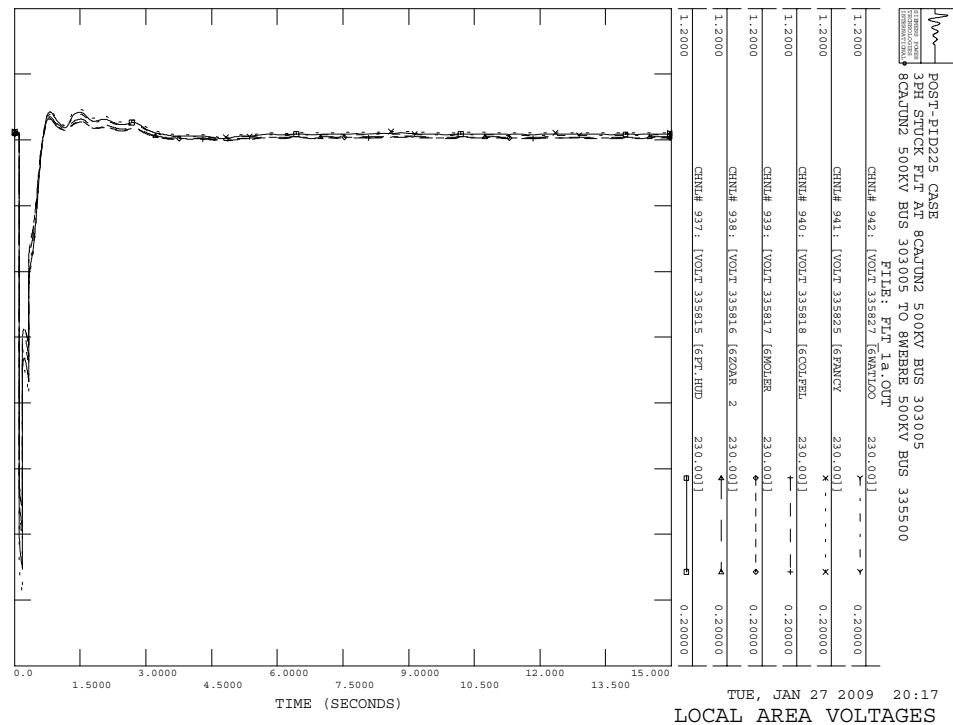
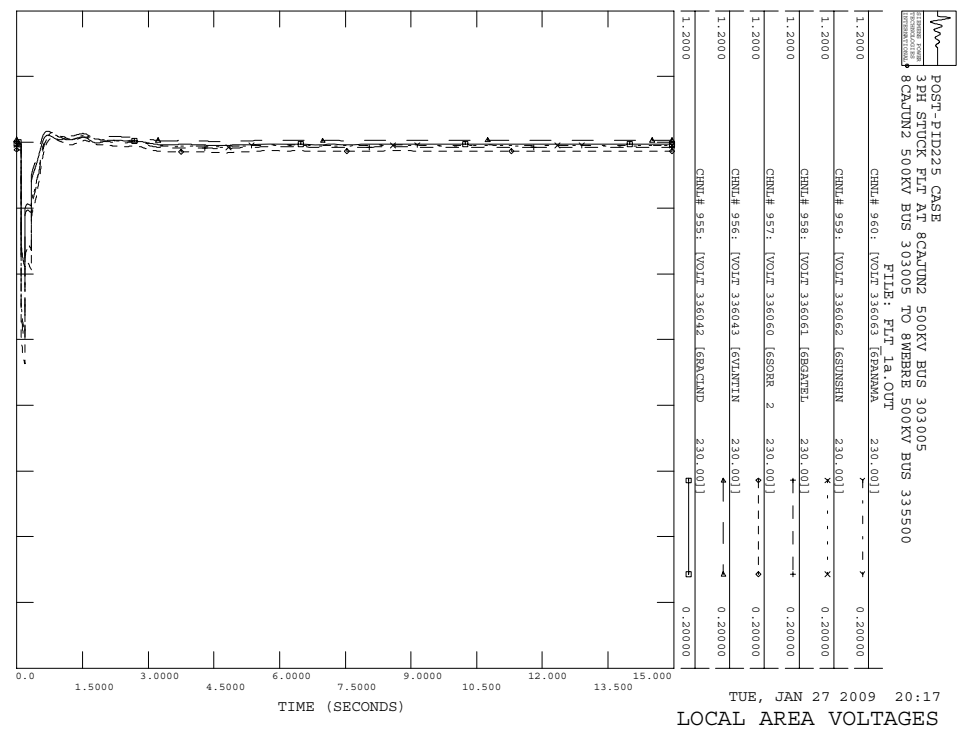
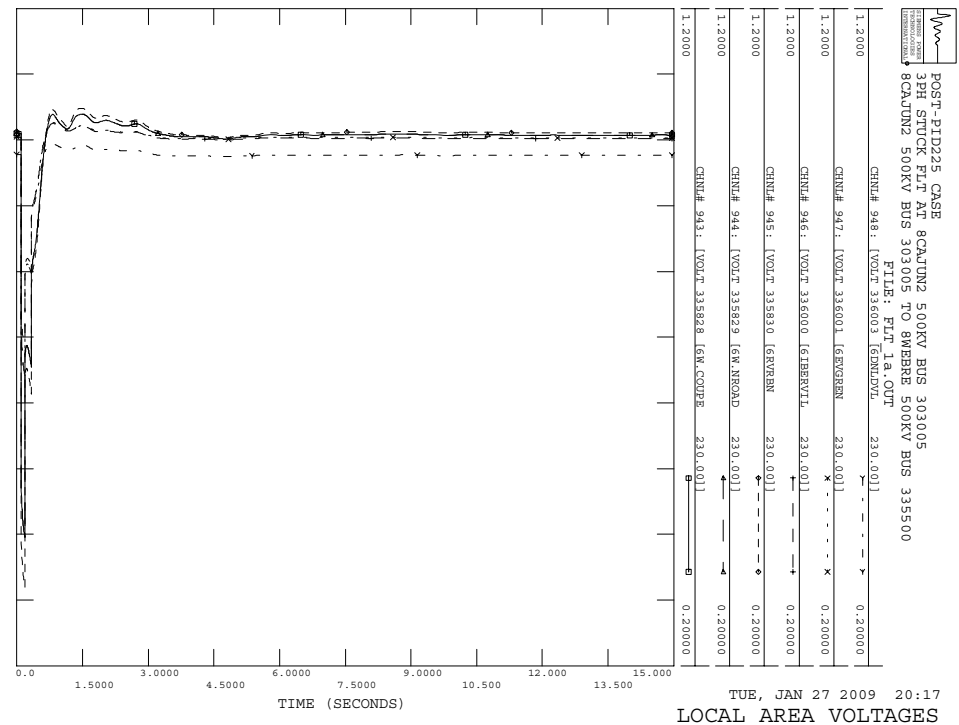


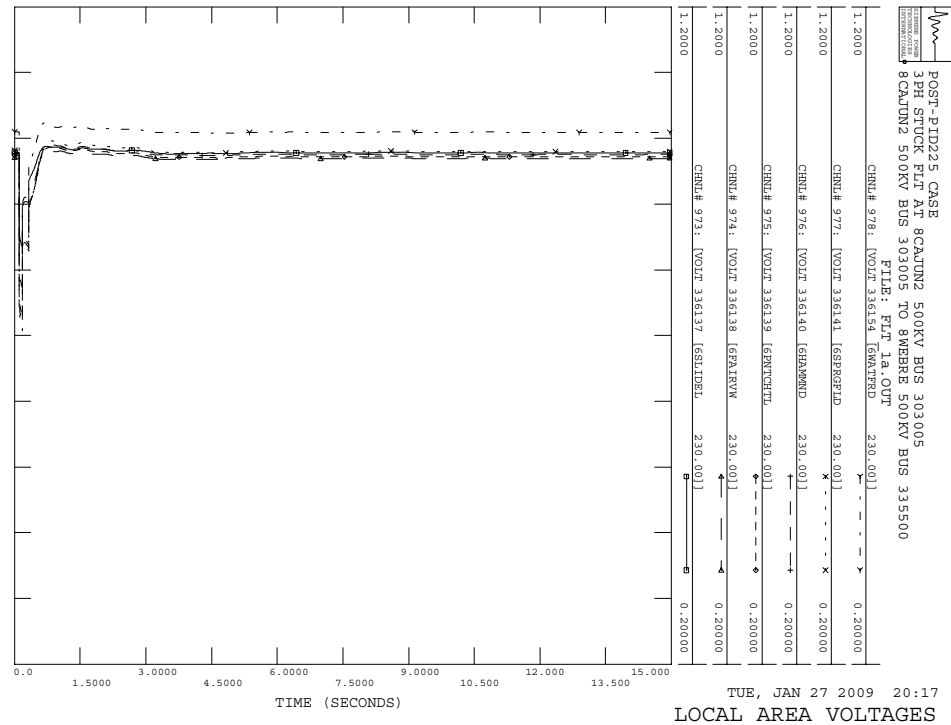
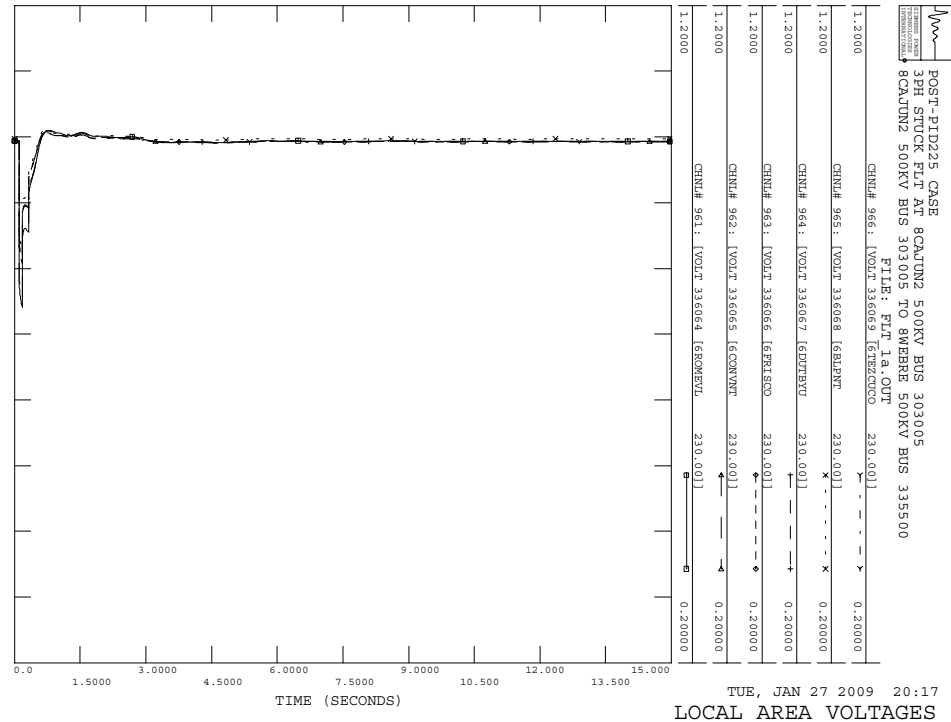
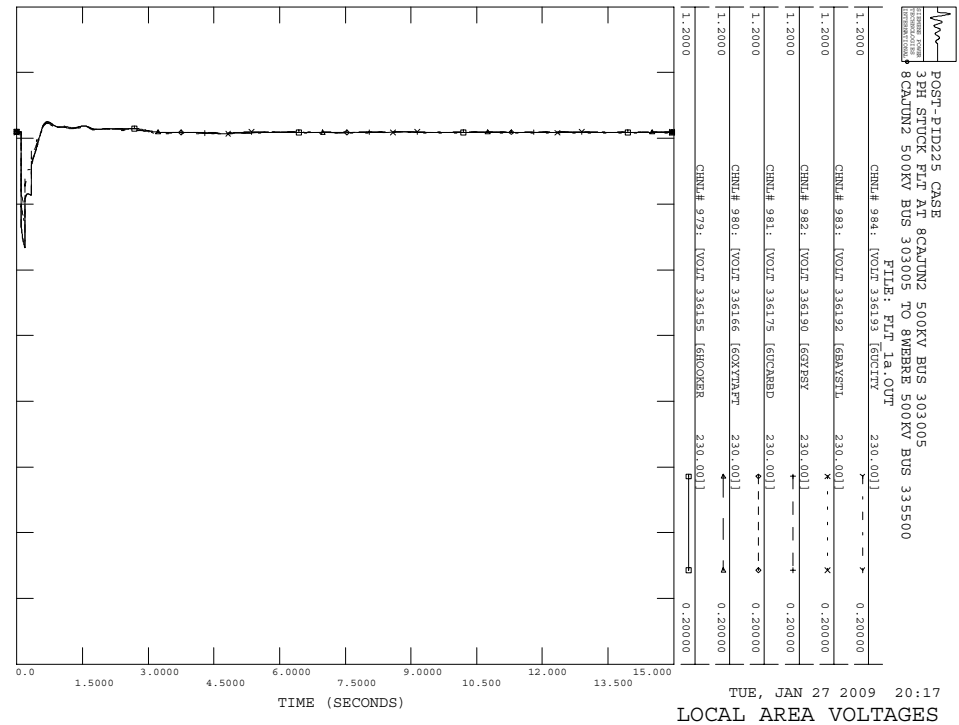
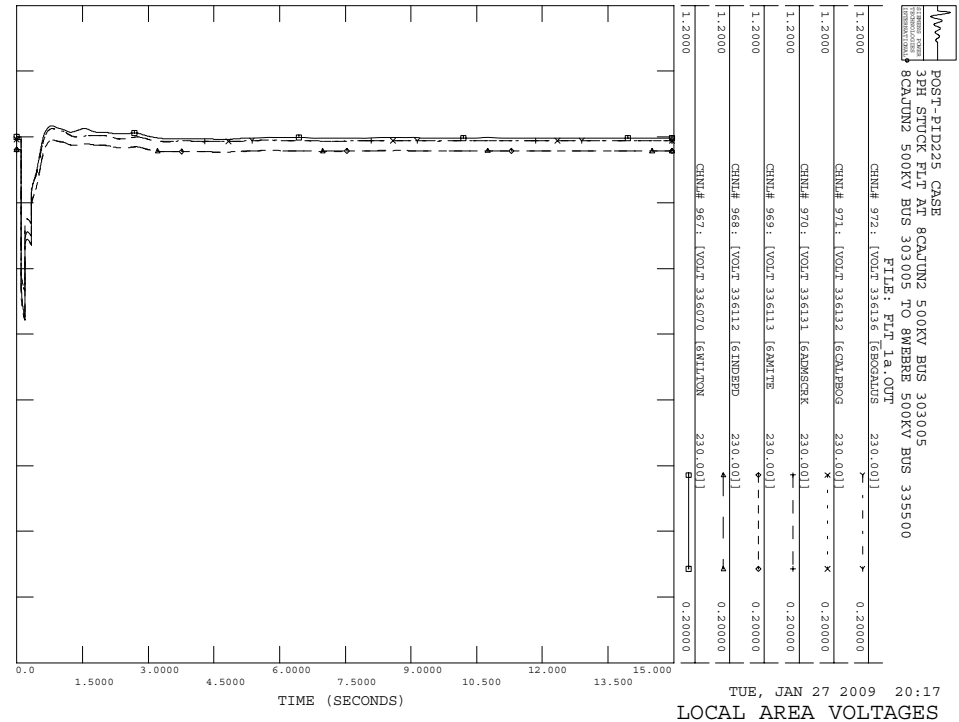


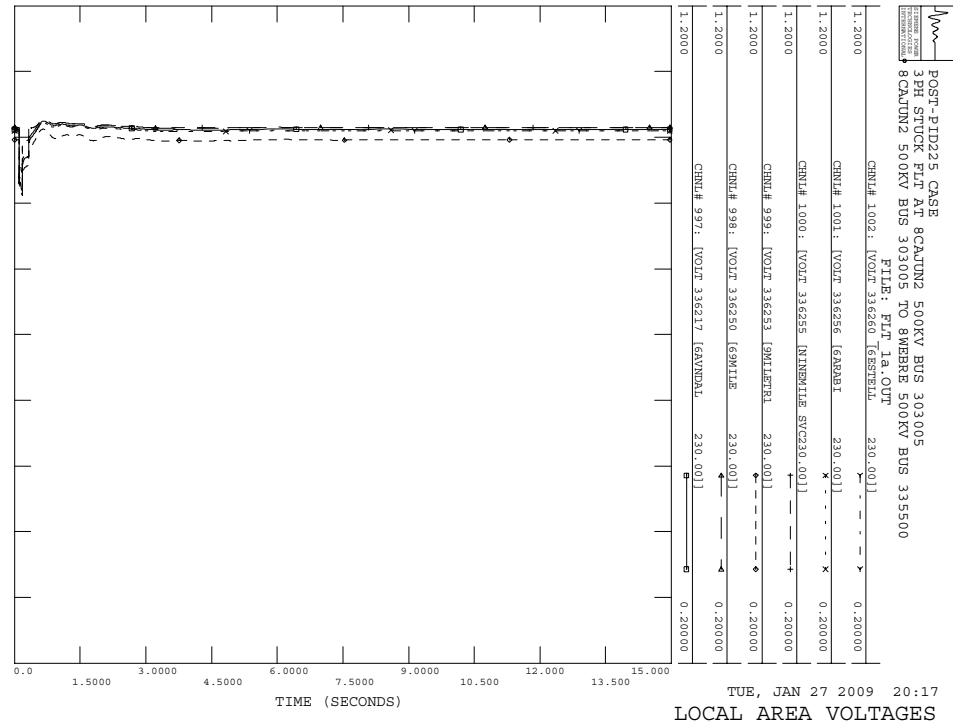
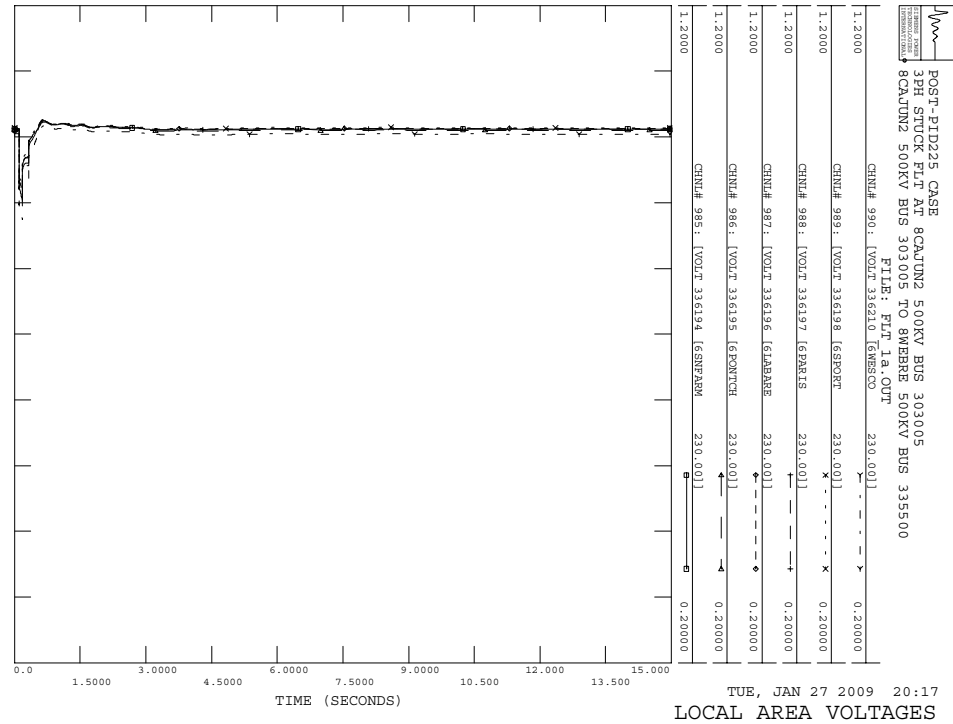
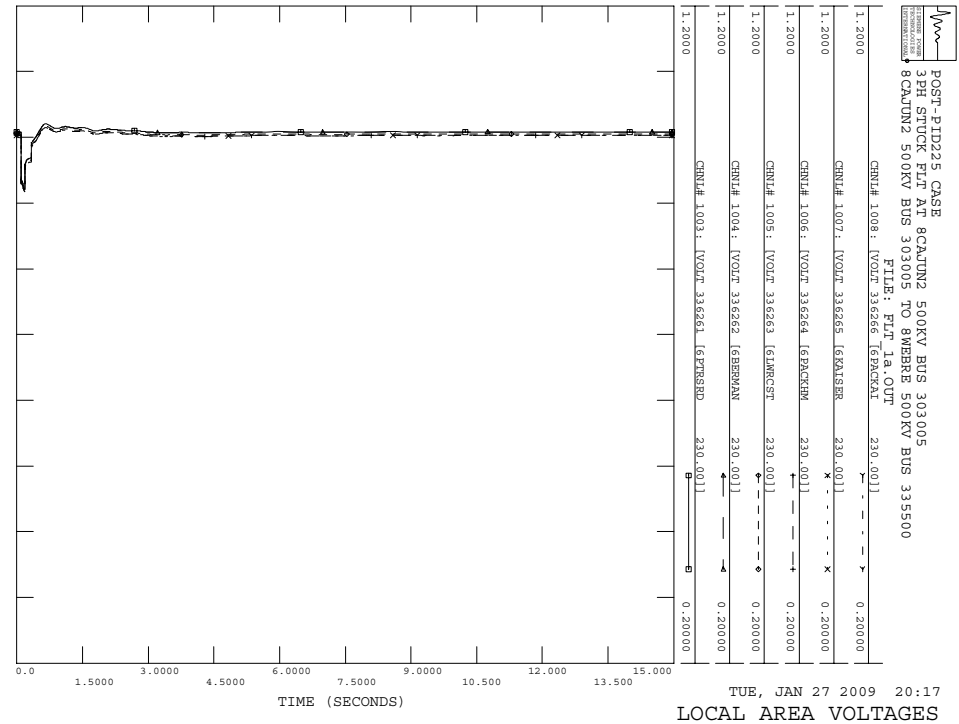
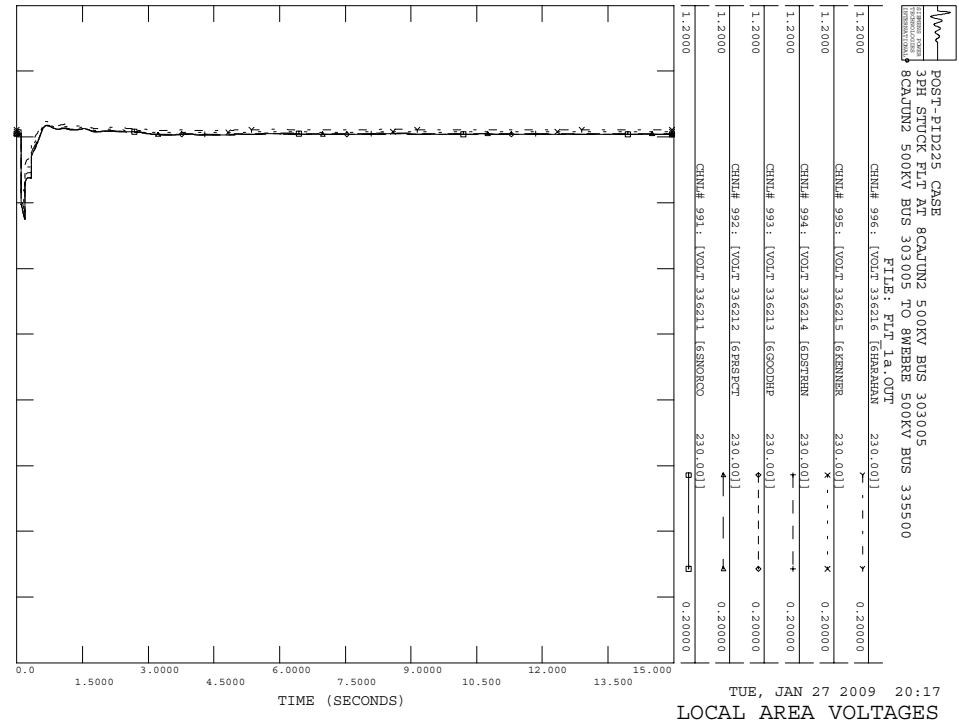


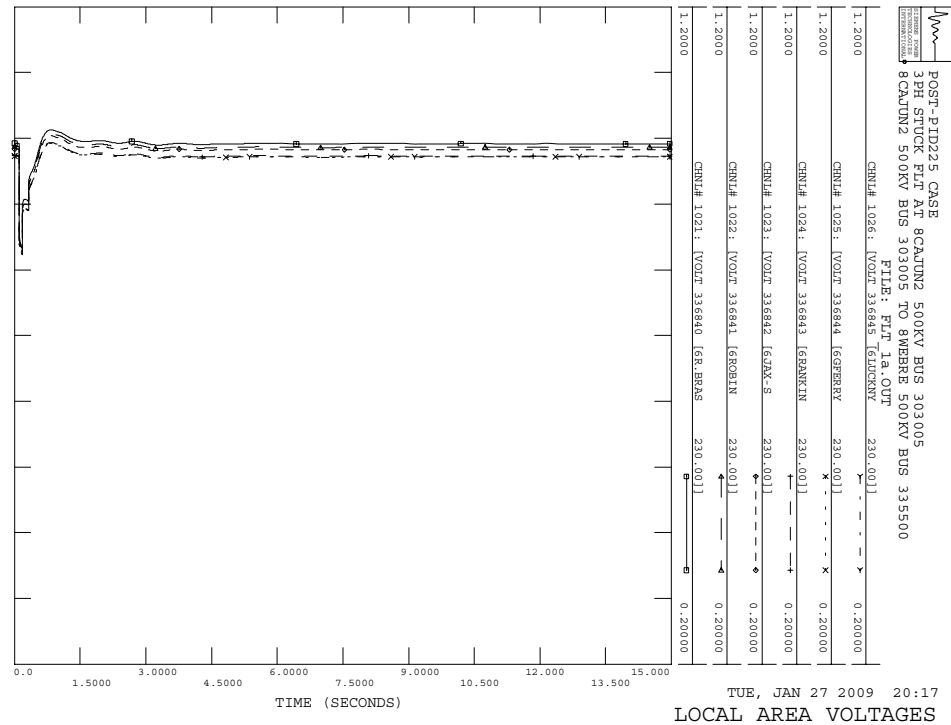
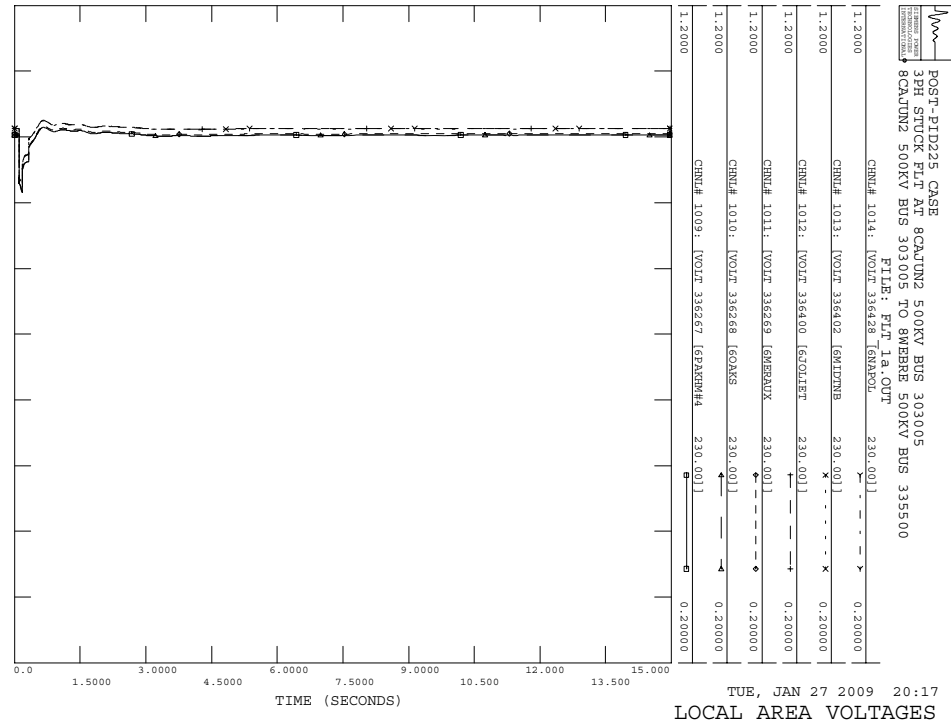
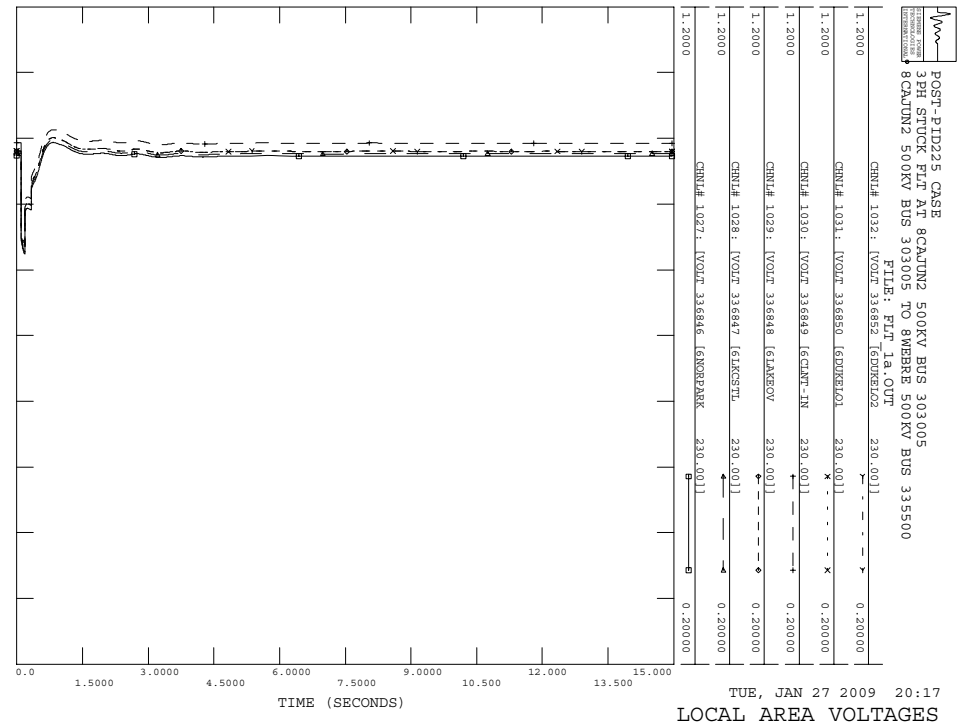
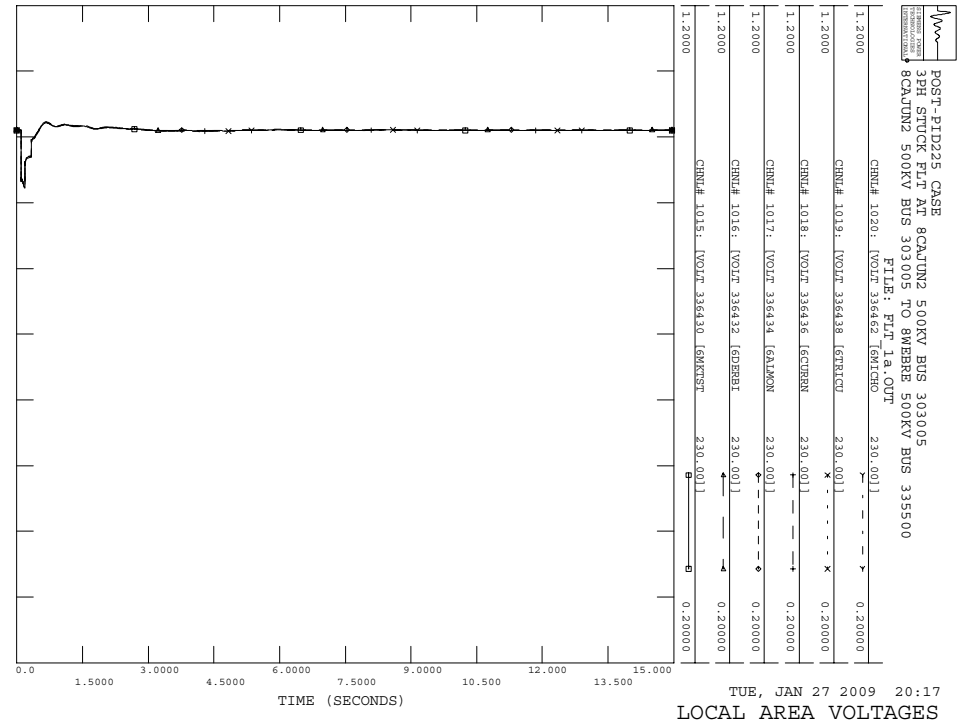


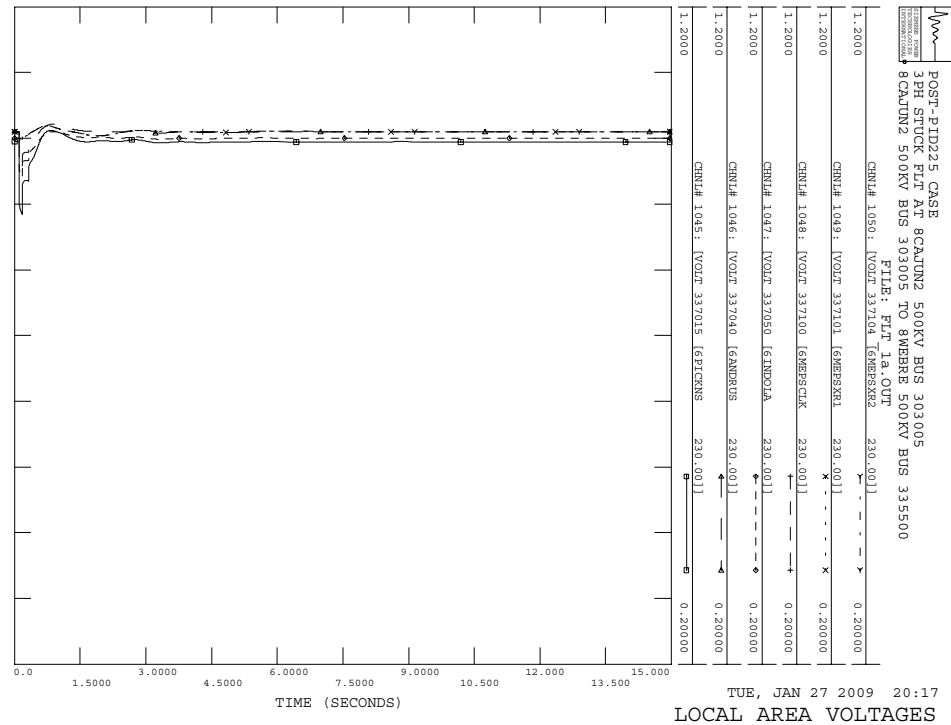
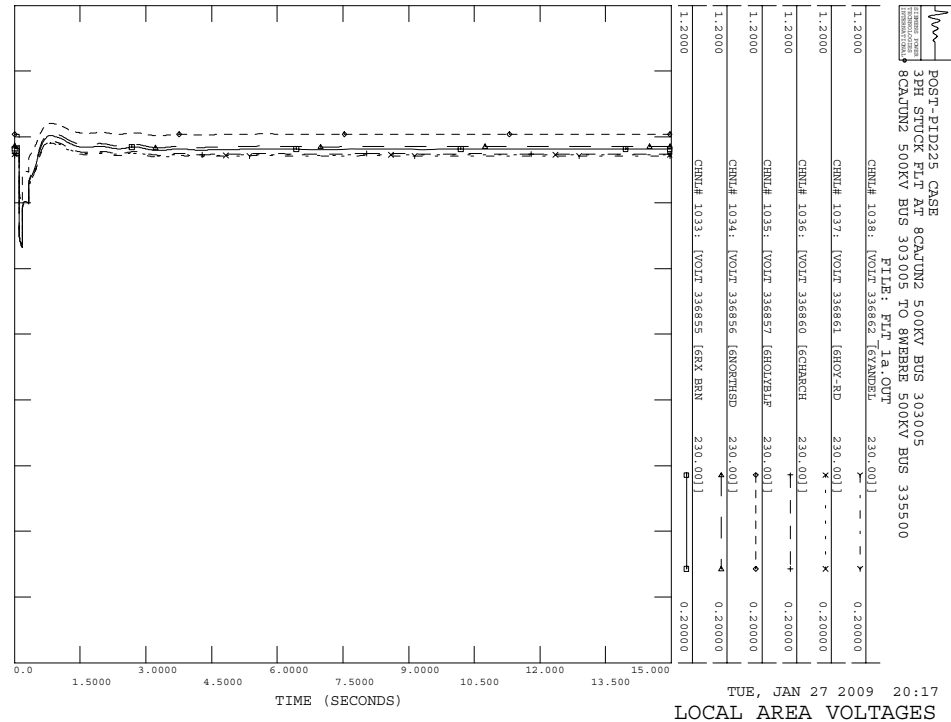
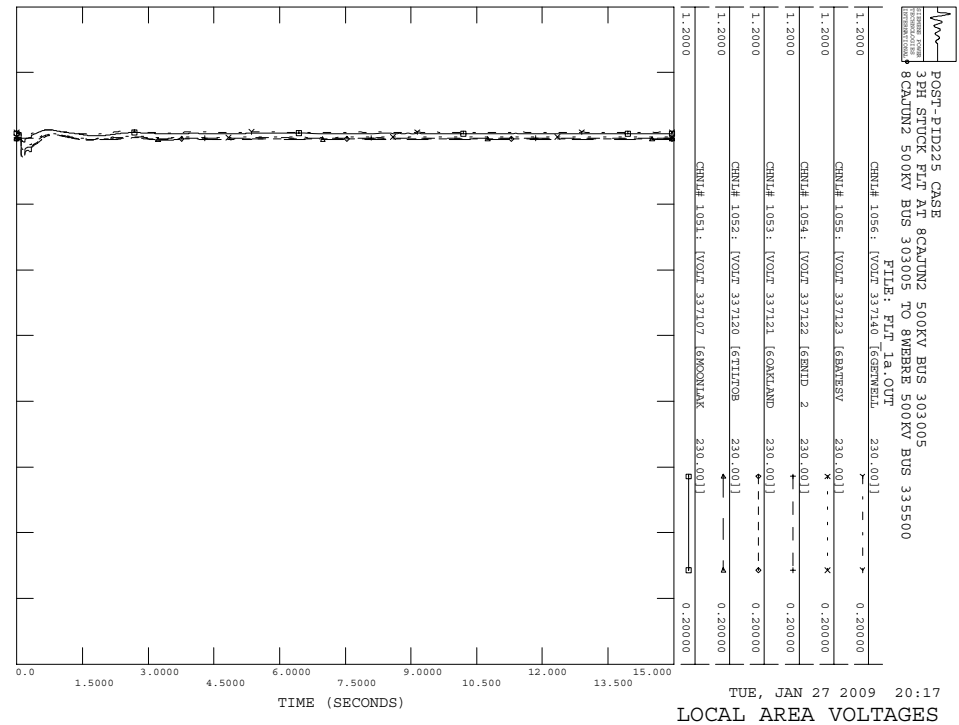
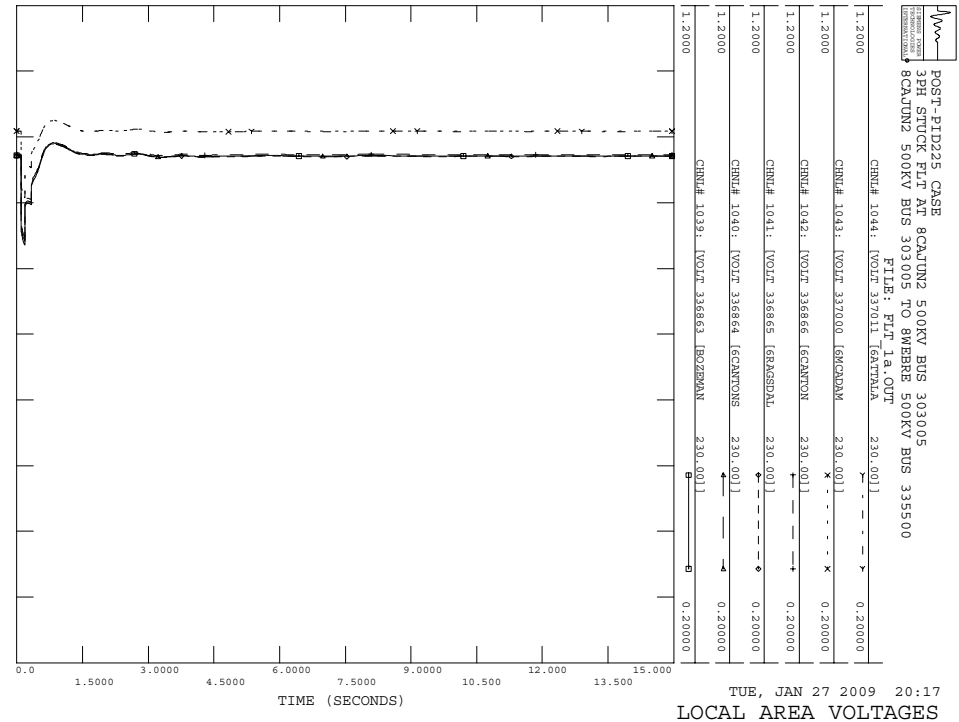


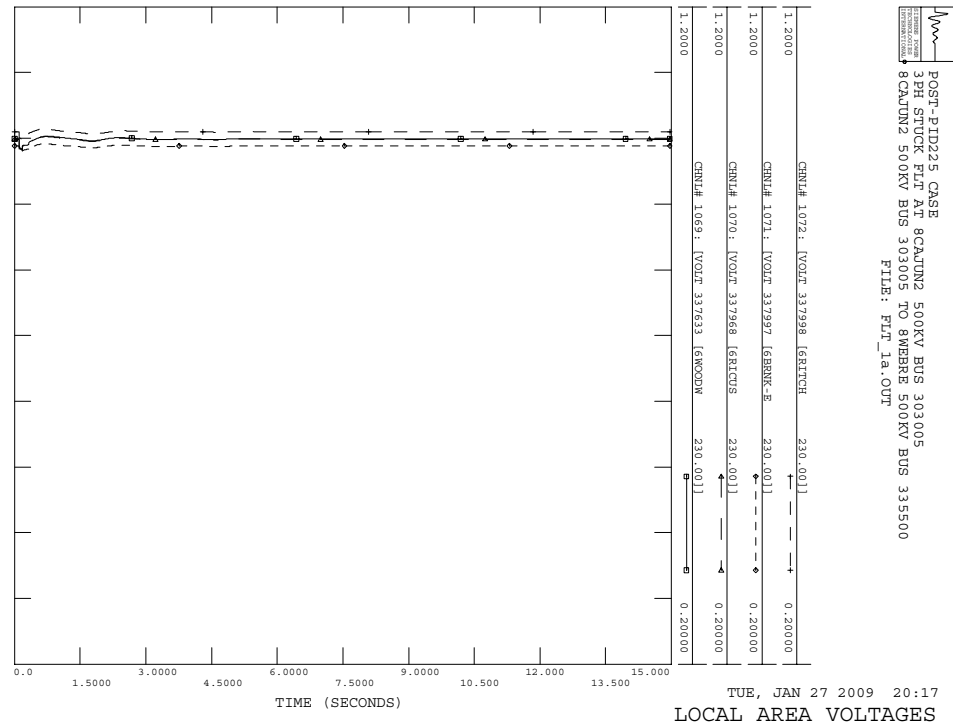
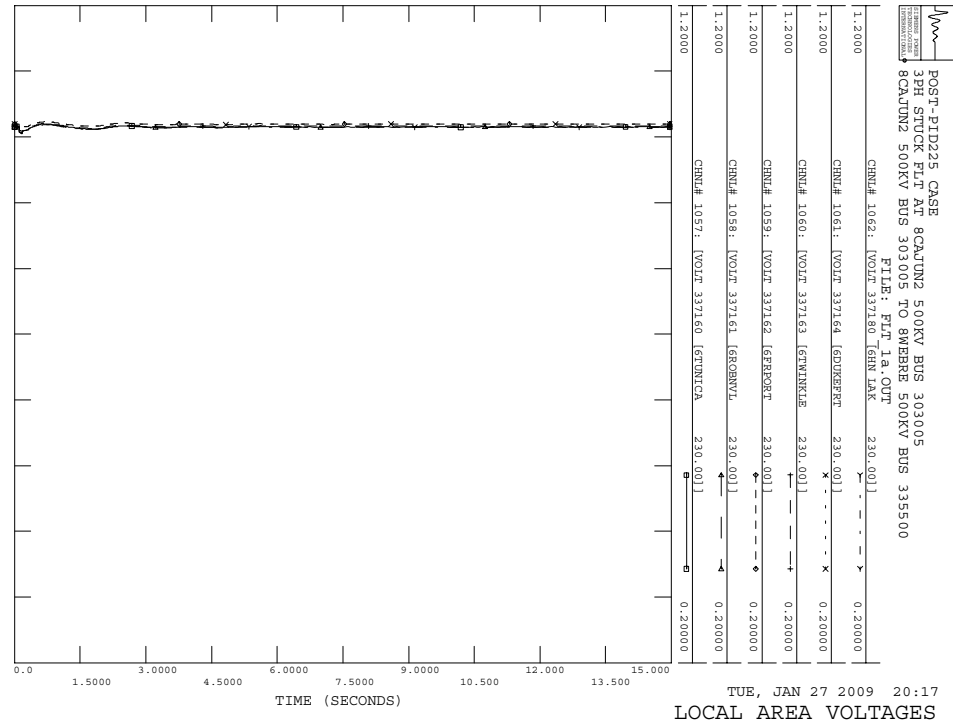
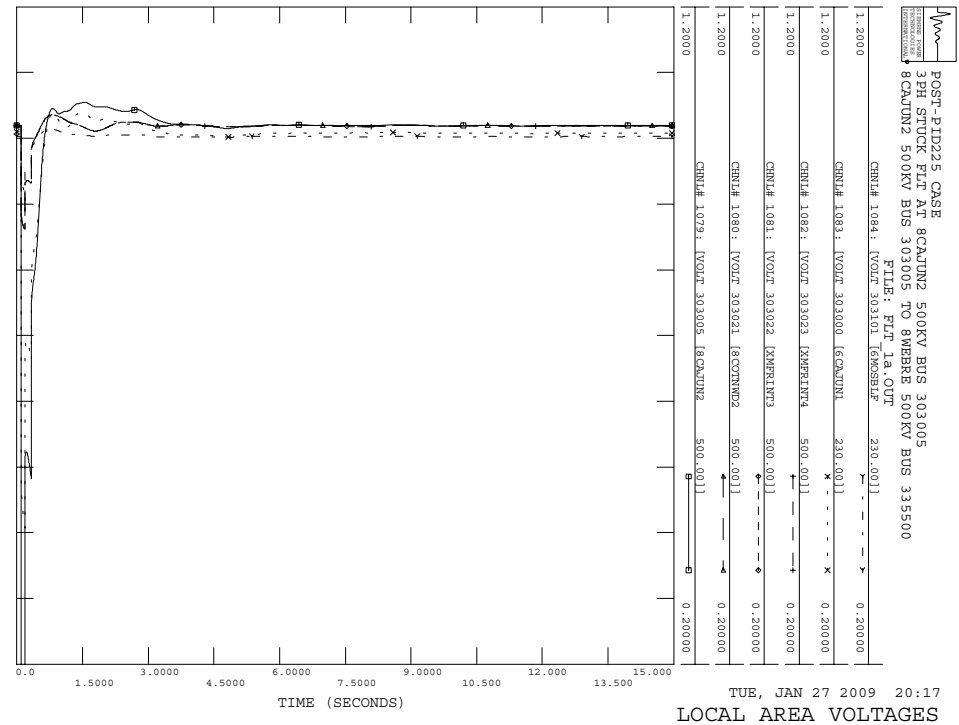
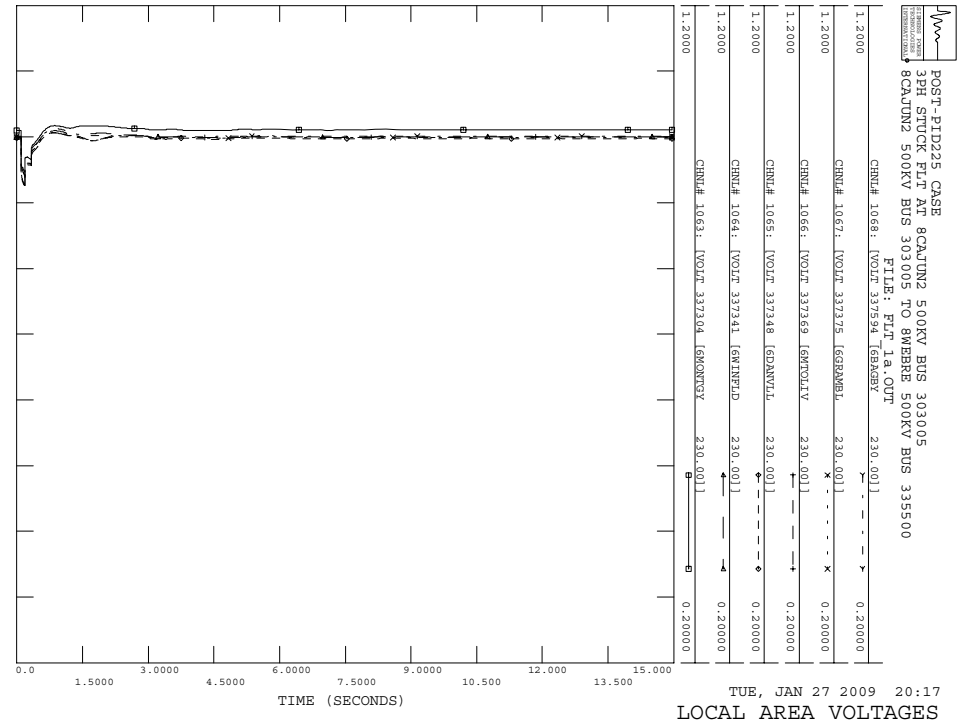


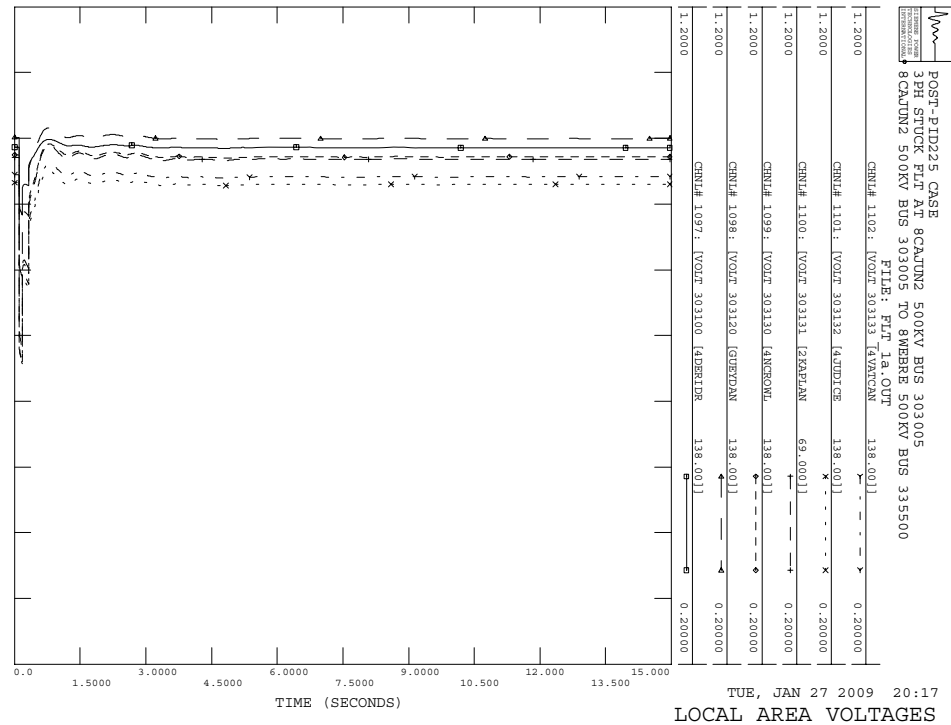
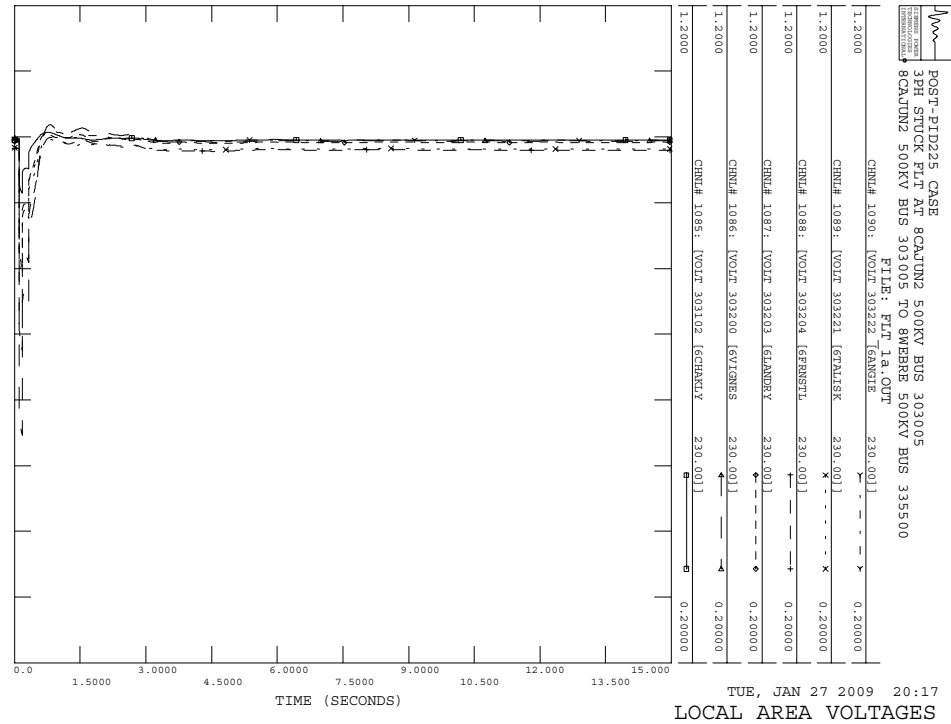
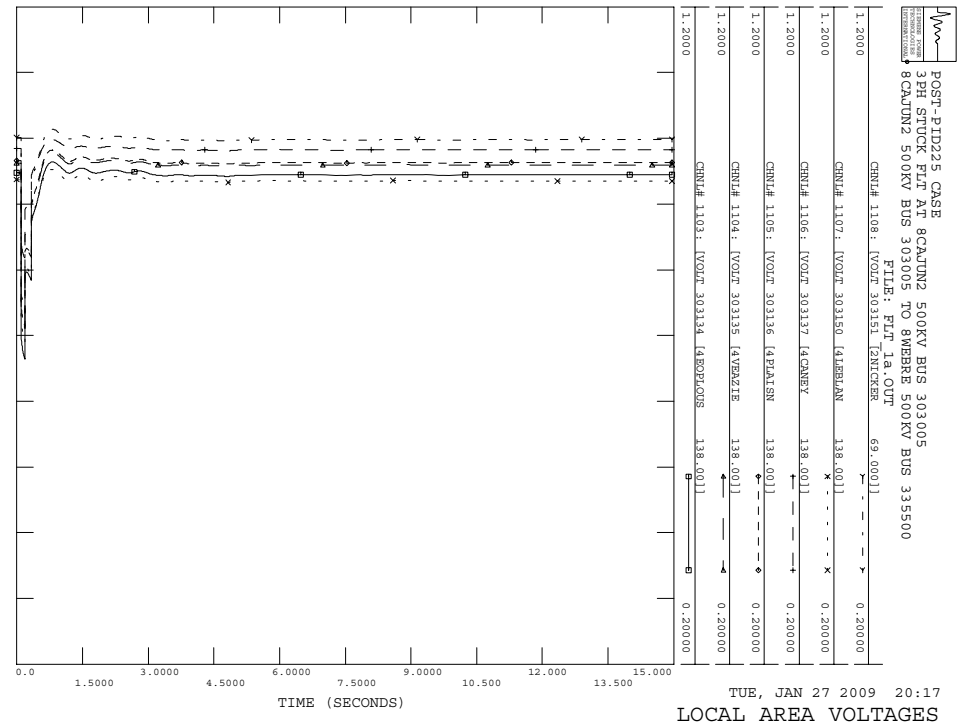
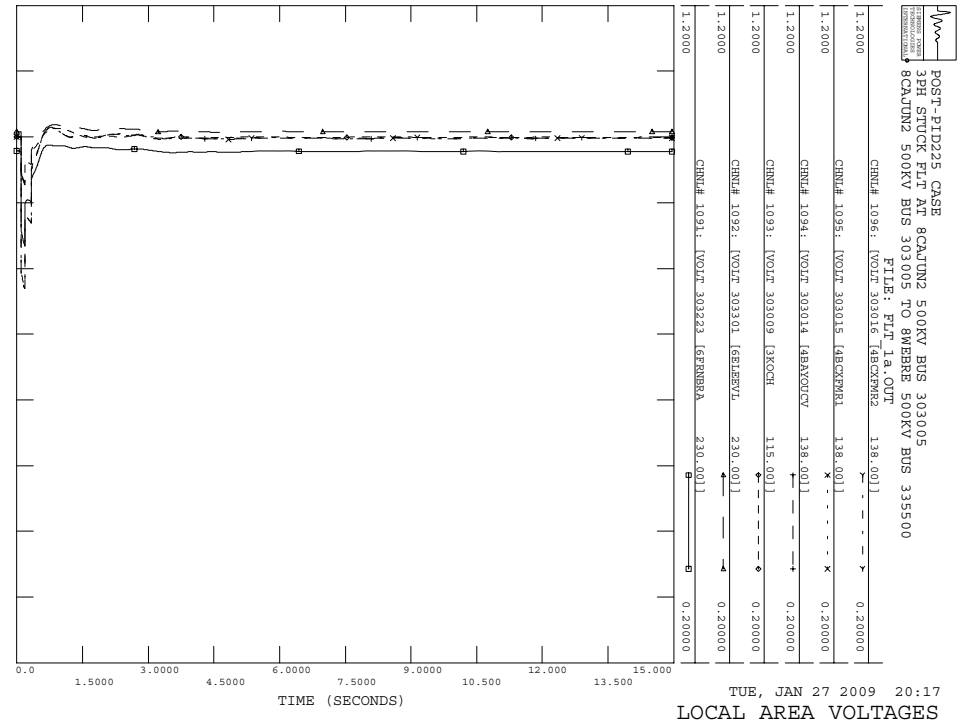


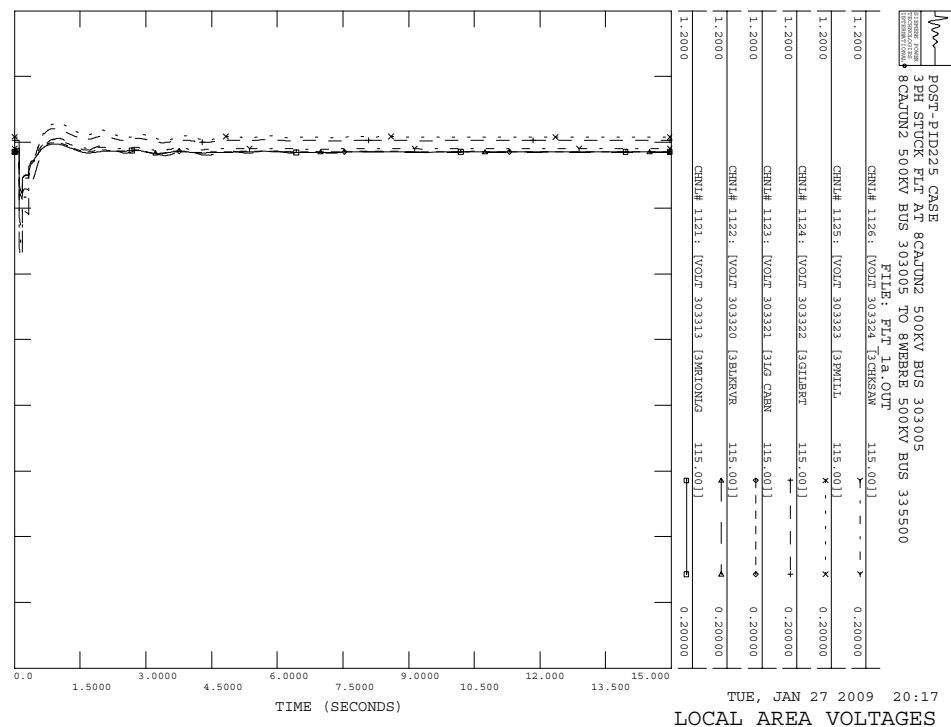
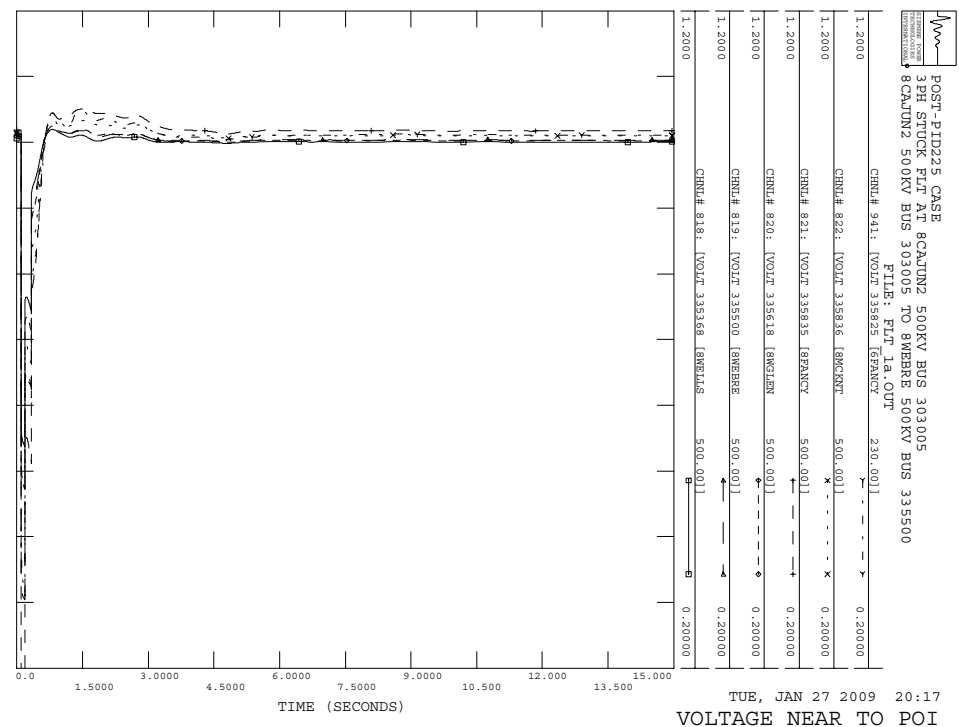
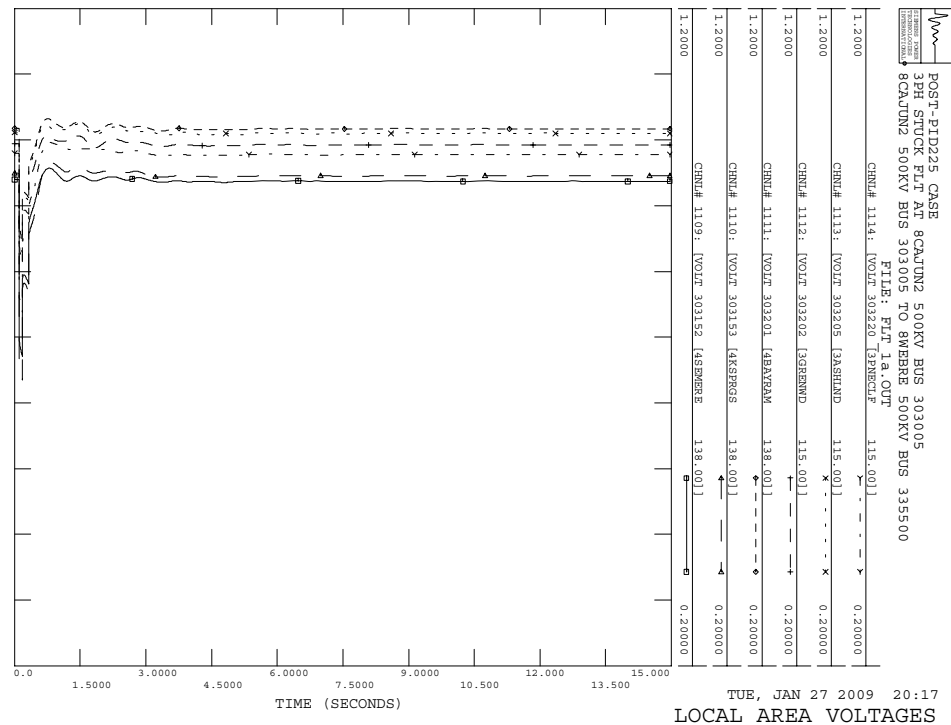
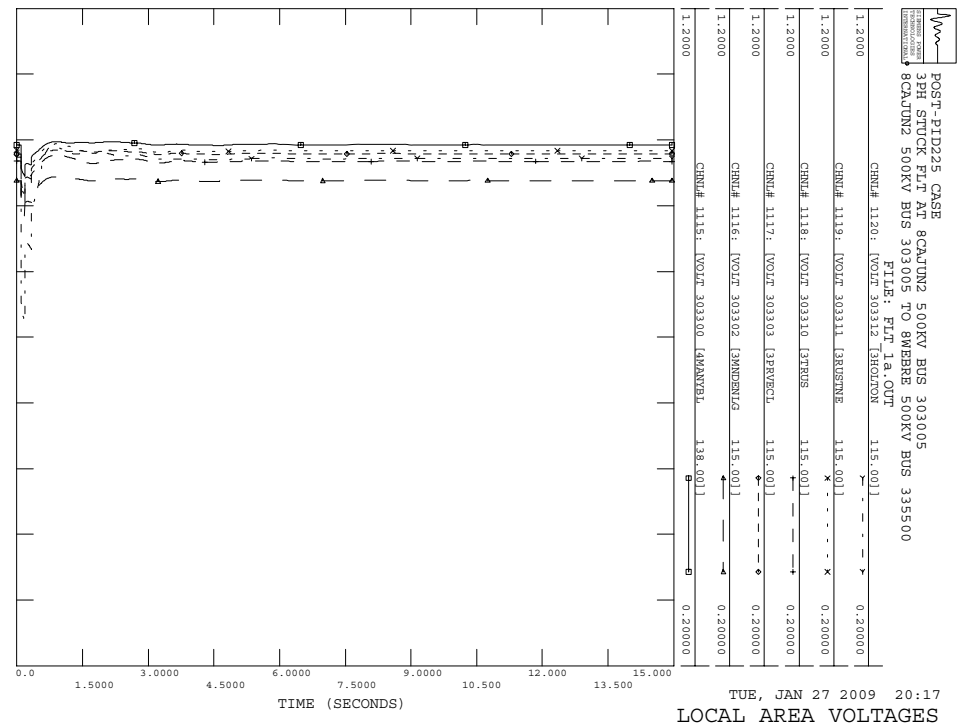








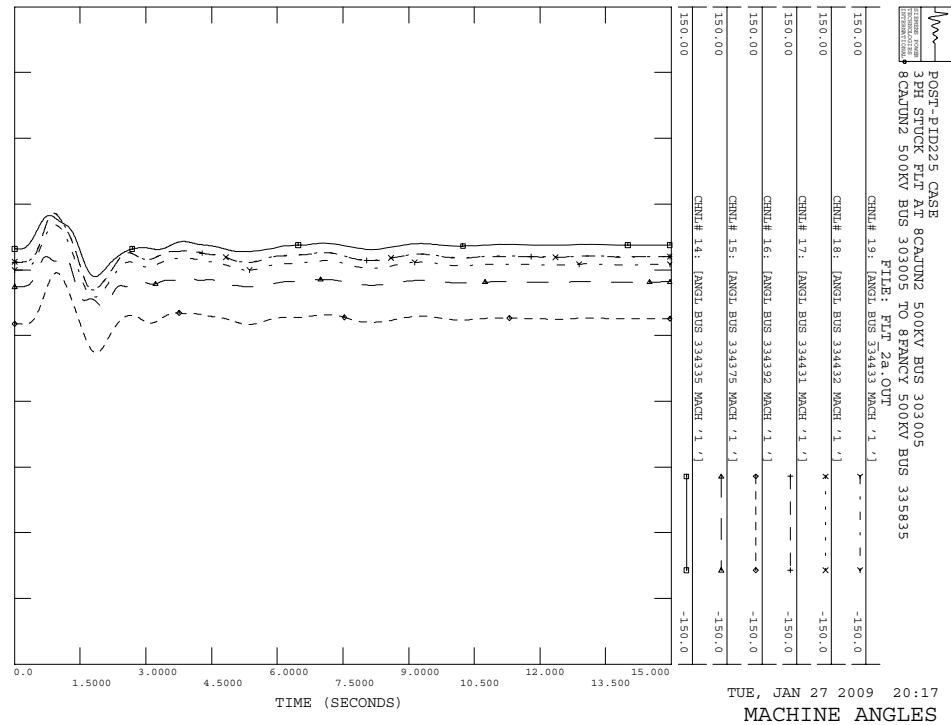
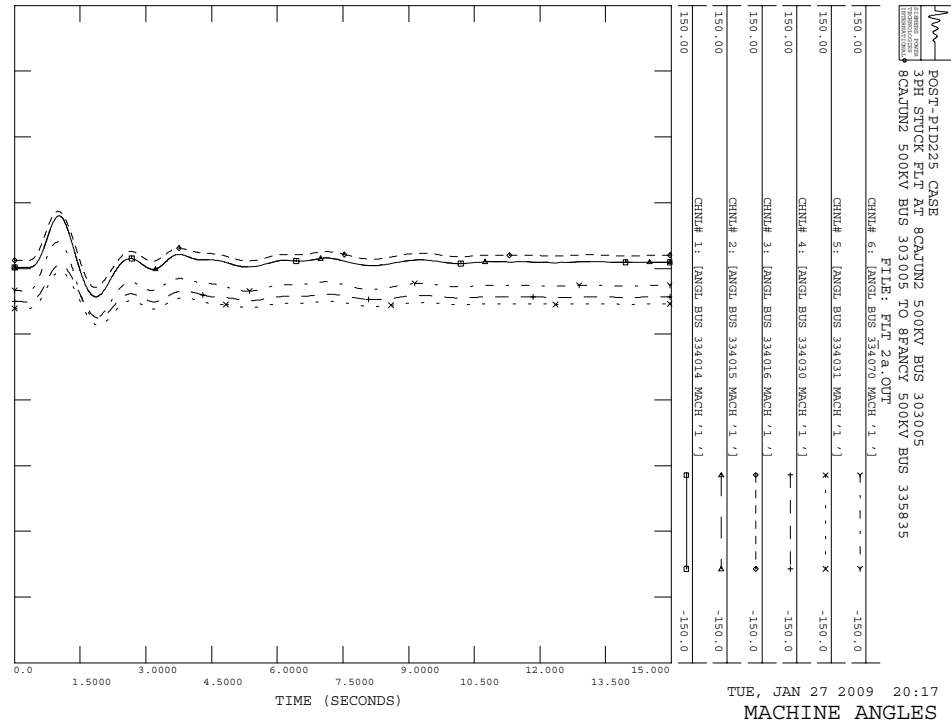
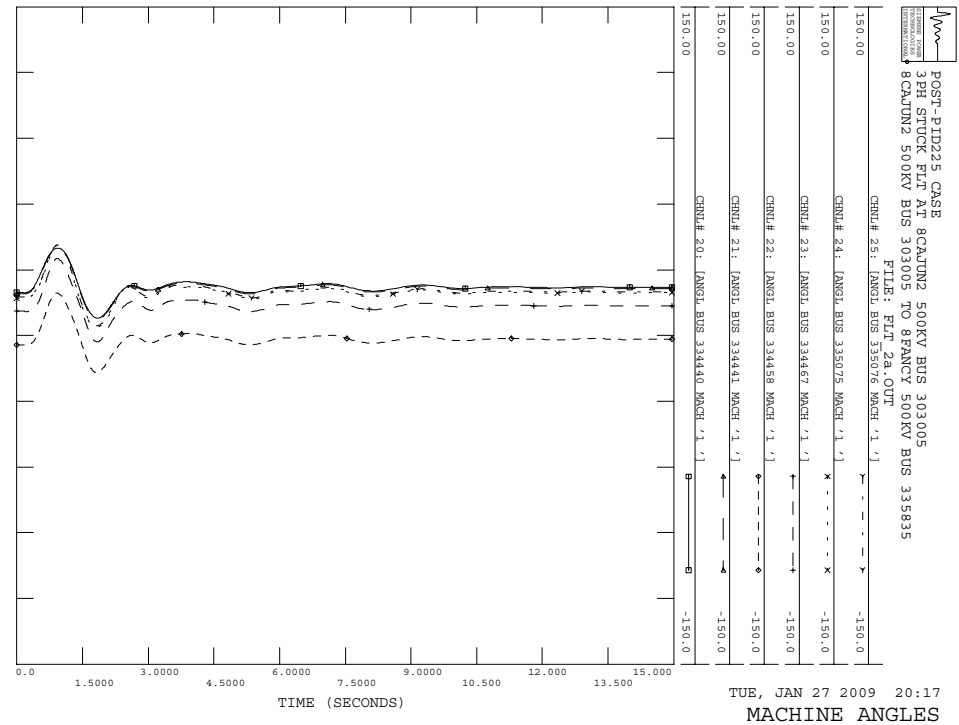
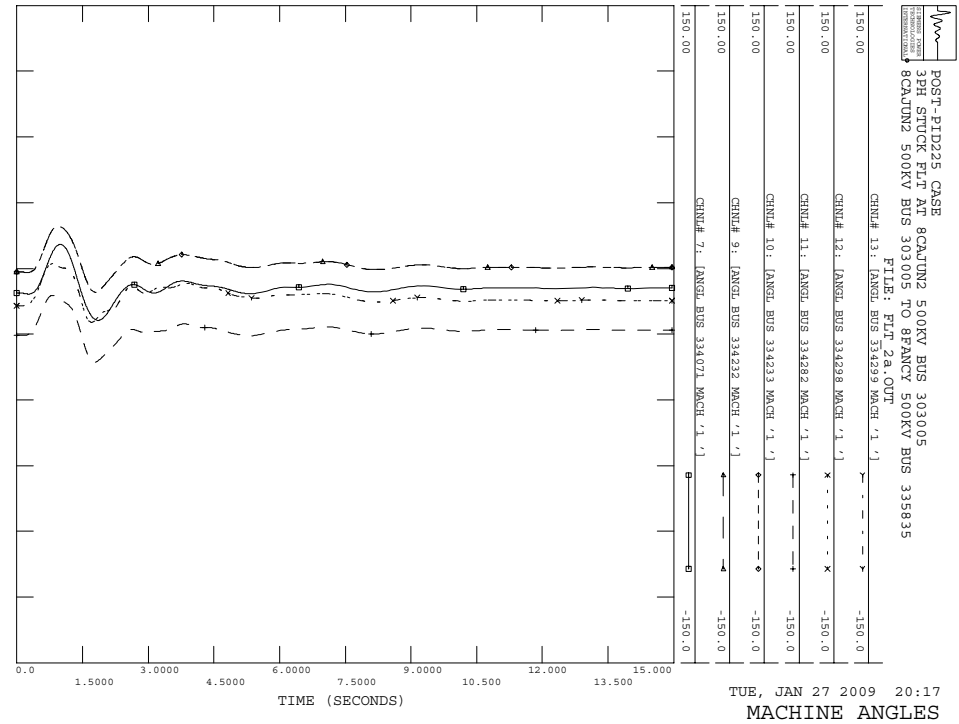




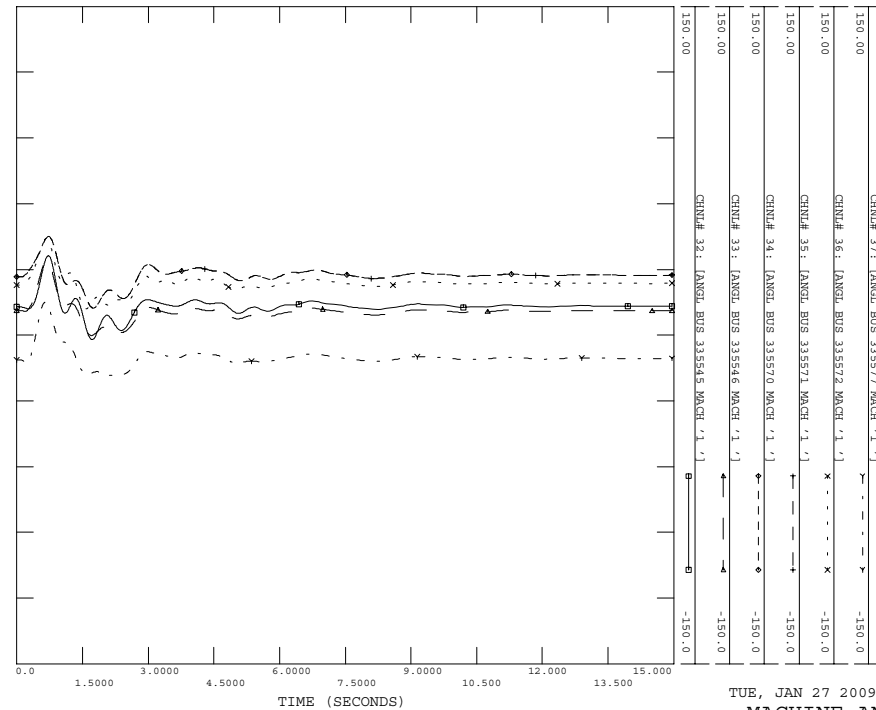
C.14 FLT_2a

Stuck breaker fault on the 8CAJUN2 (#303005) to 8FANCY (#335835) branch, near the 8CAJUN2.

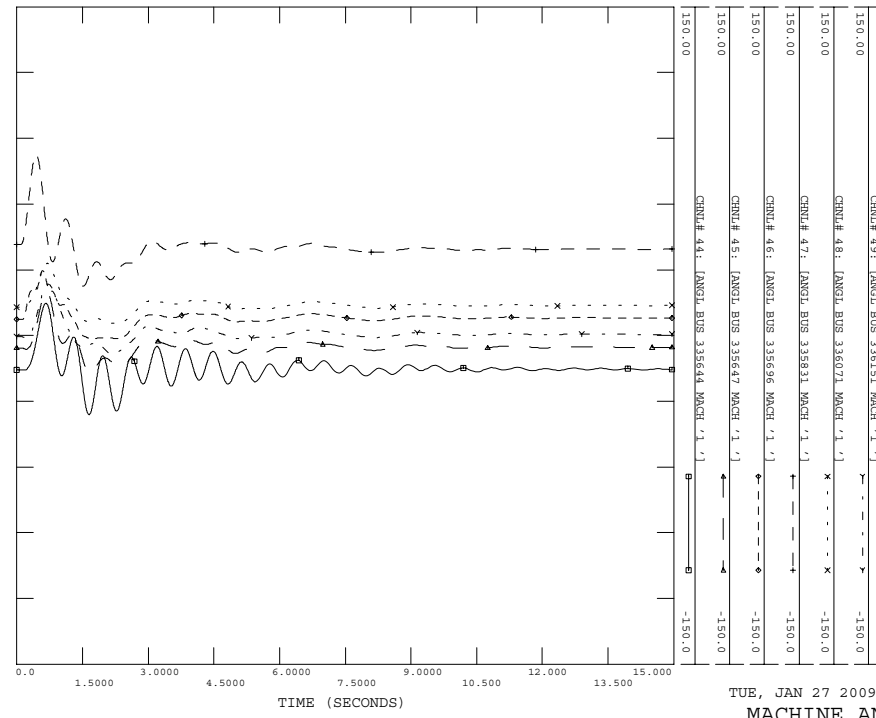
- a) Apply 3 Phase Fault AT 8CAJUN2 500KV BUS 303005
- b) Run fault for 5 cycles.
- c) Remove fault at 8CAJUN2 500KV BUS 303005
- d) Apply 3 Phase fault at #303005 with admittance $885.59 -j 13361.1$ MVA
- e) Clear fault after 9 cycles by tripping line from 8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835



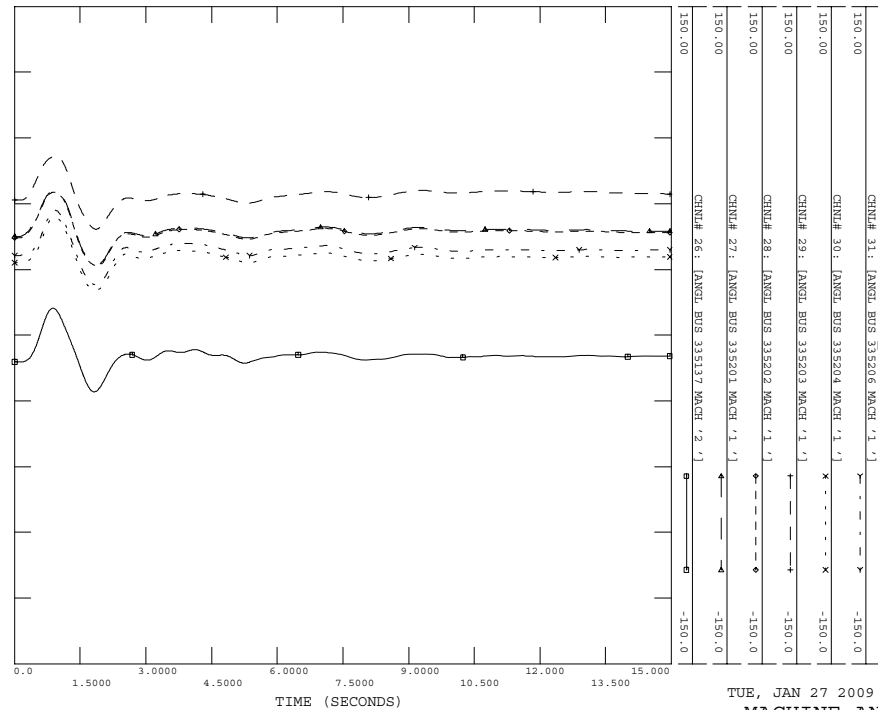
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



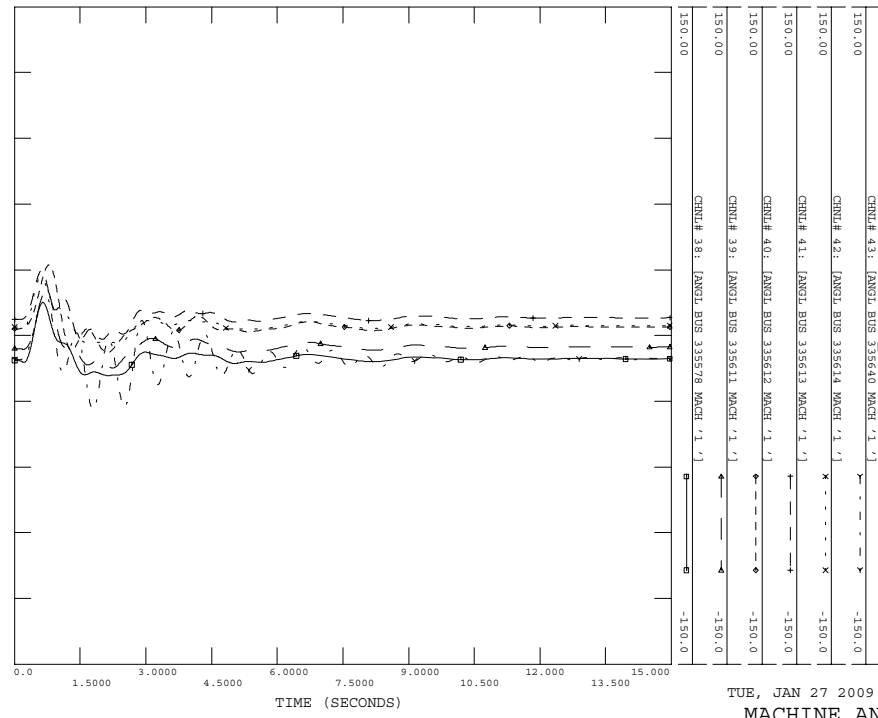
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



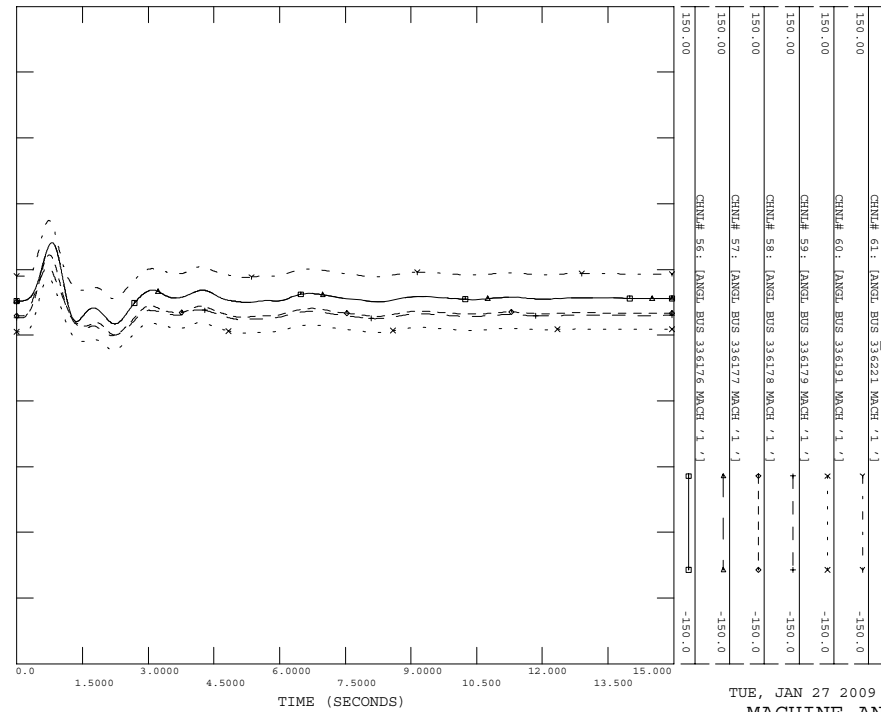
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



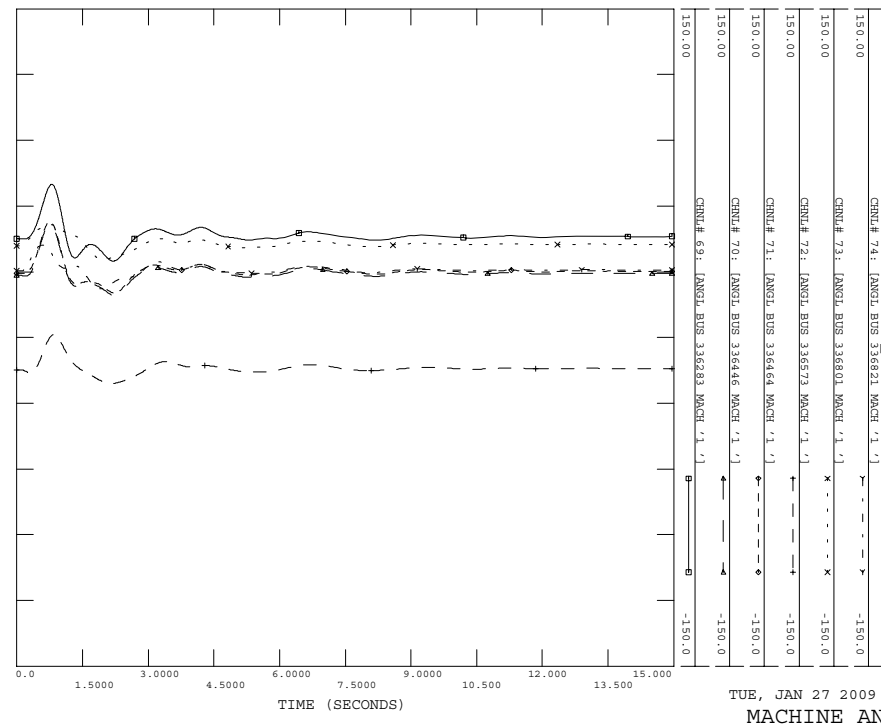
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



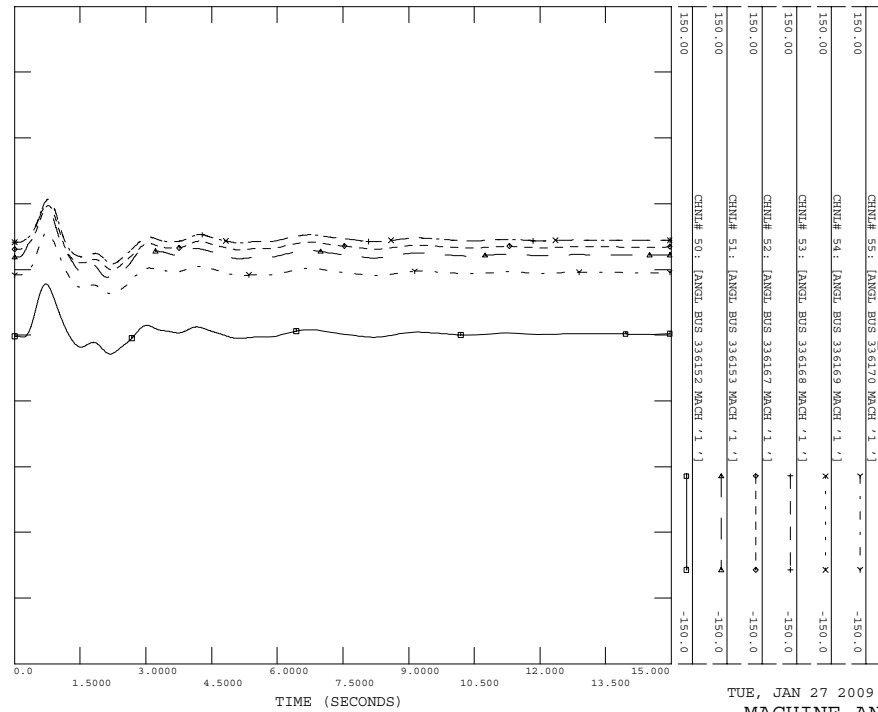
POST-PID25 CASE
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8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



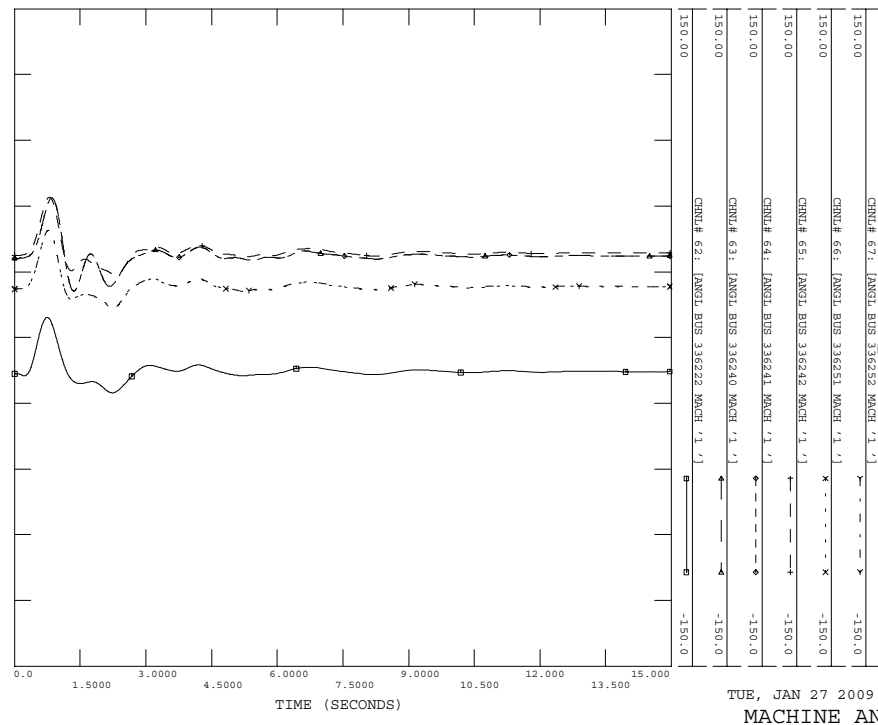
POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

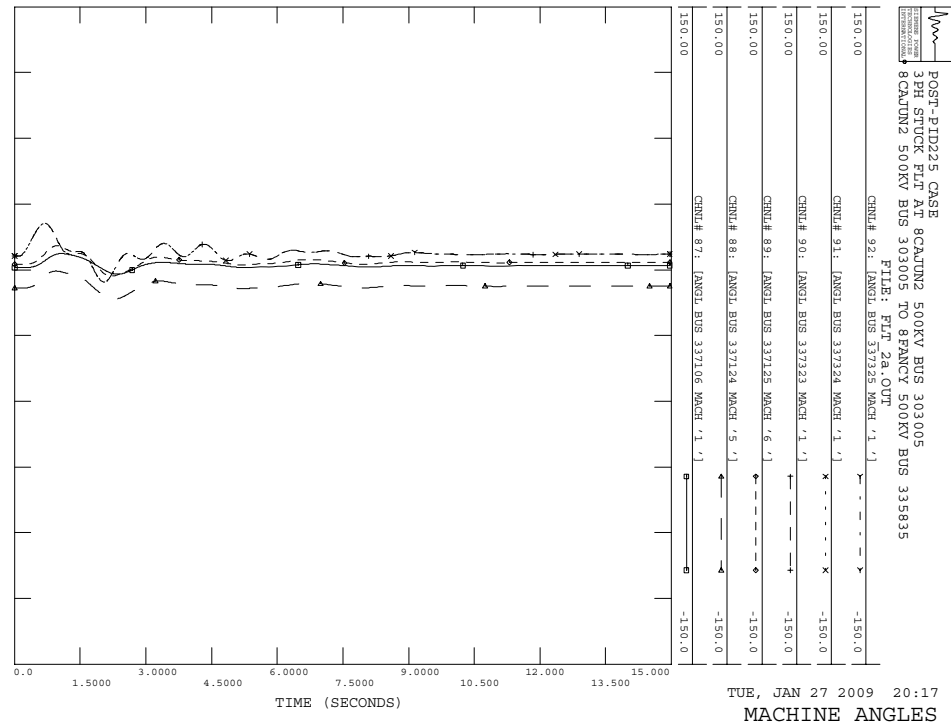
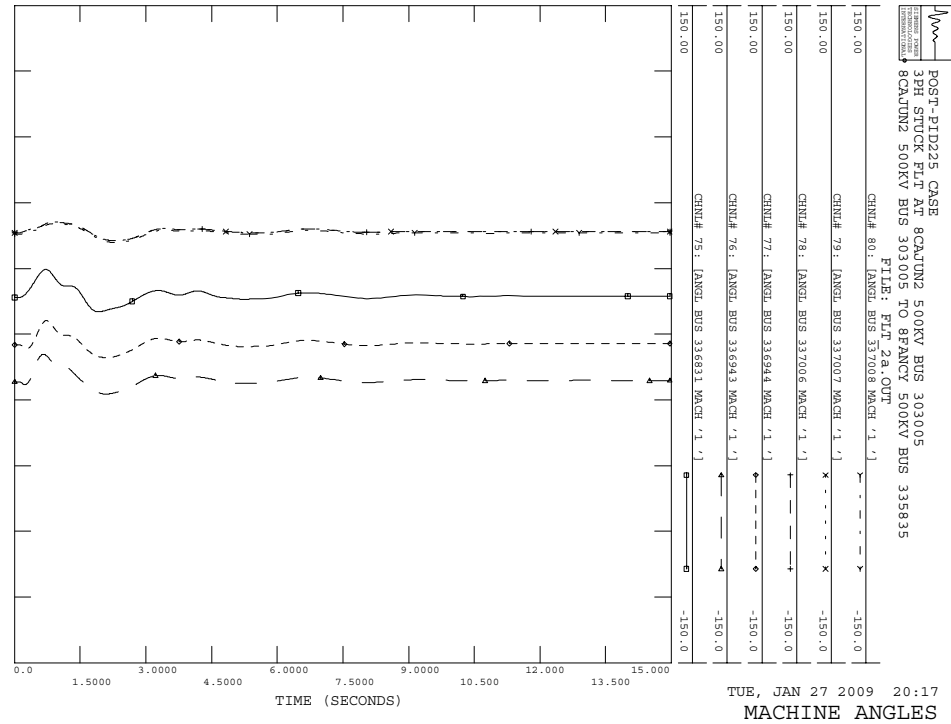
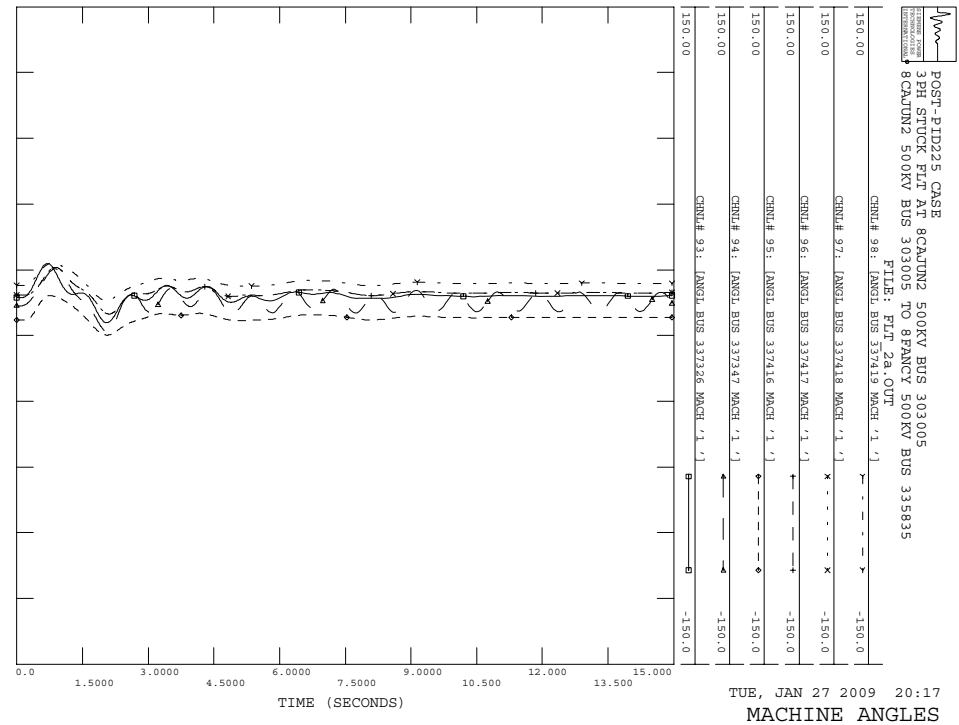
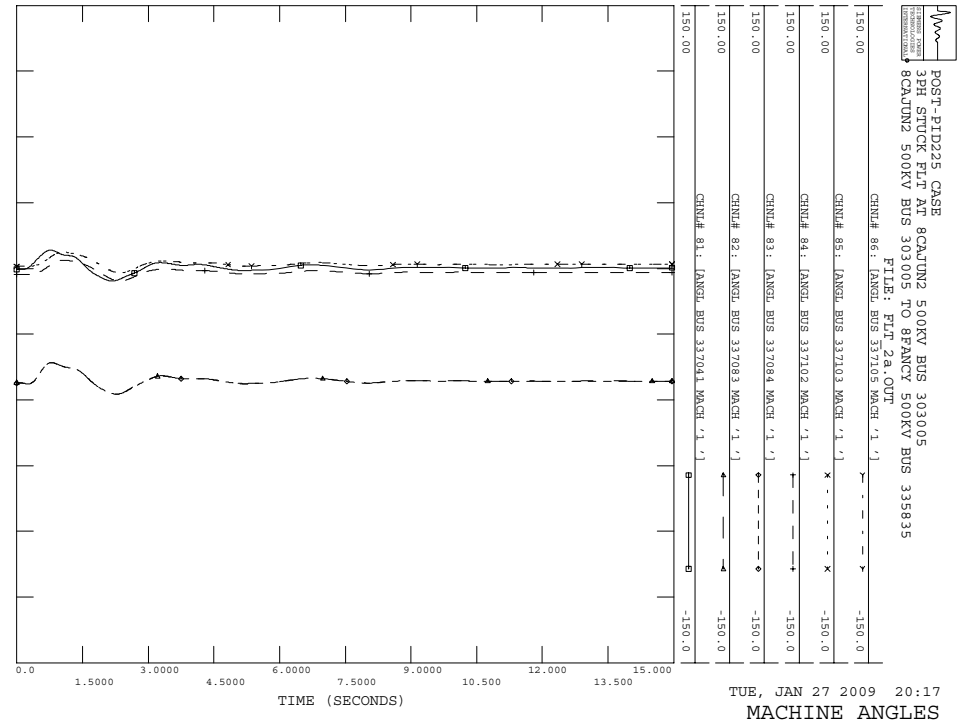


POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

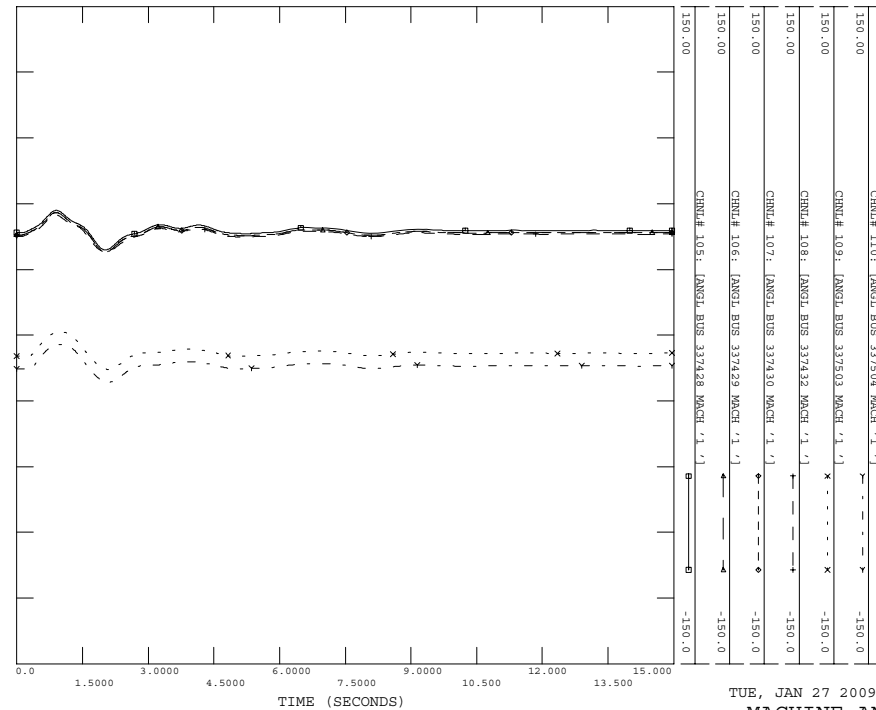


POST-PID25 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

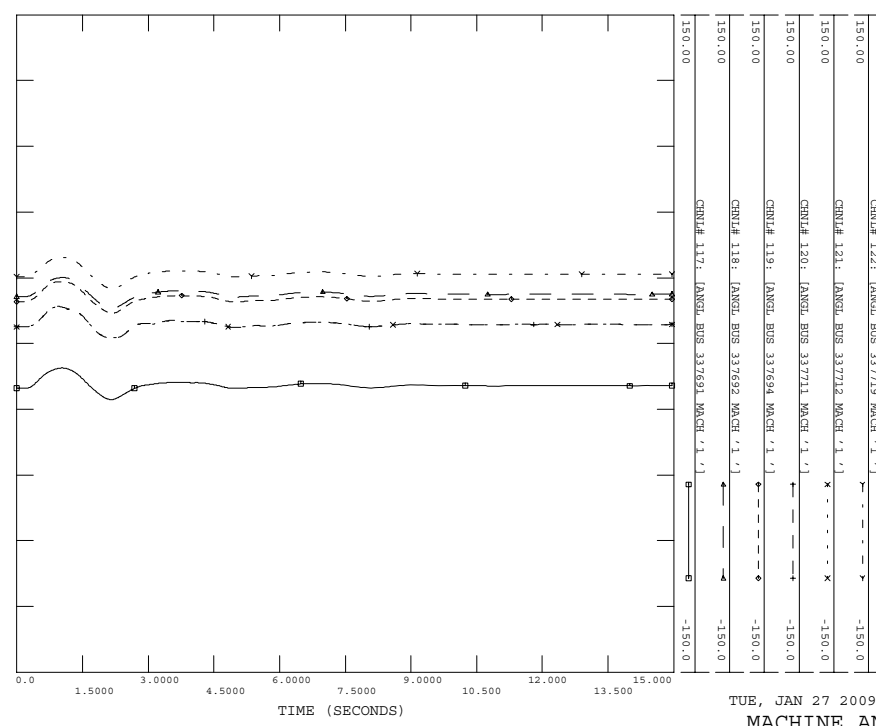




POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 335835
FILE: FLT_2A.OUT

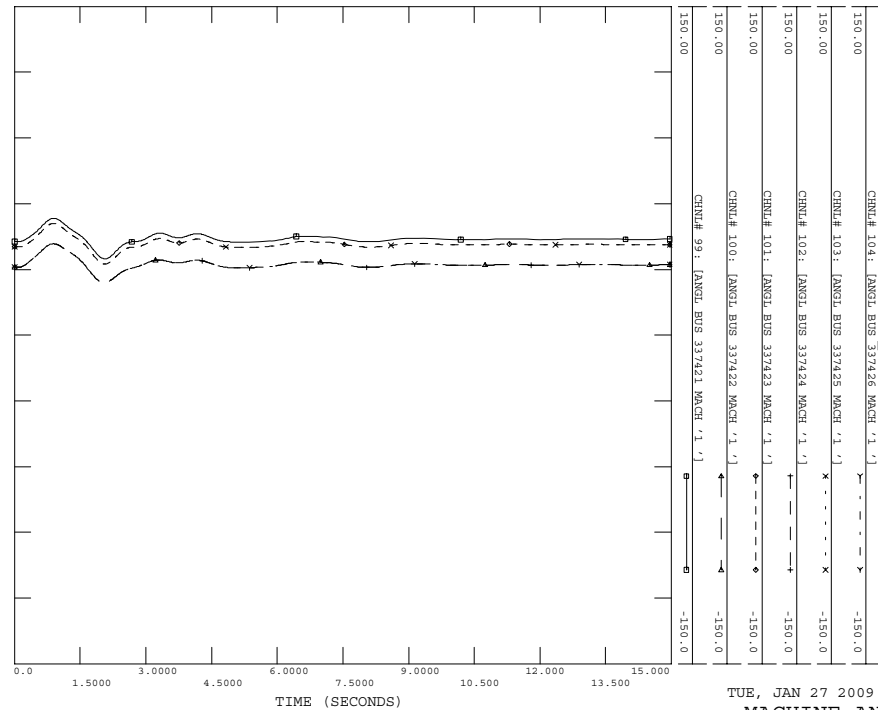


POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 335835
FILE: FLT_2A.OUT

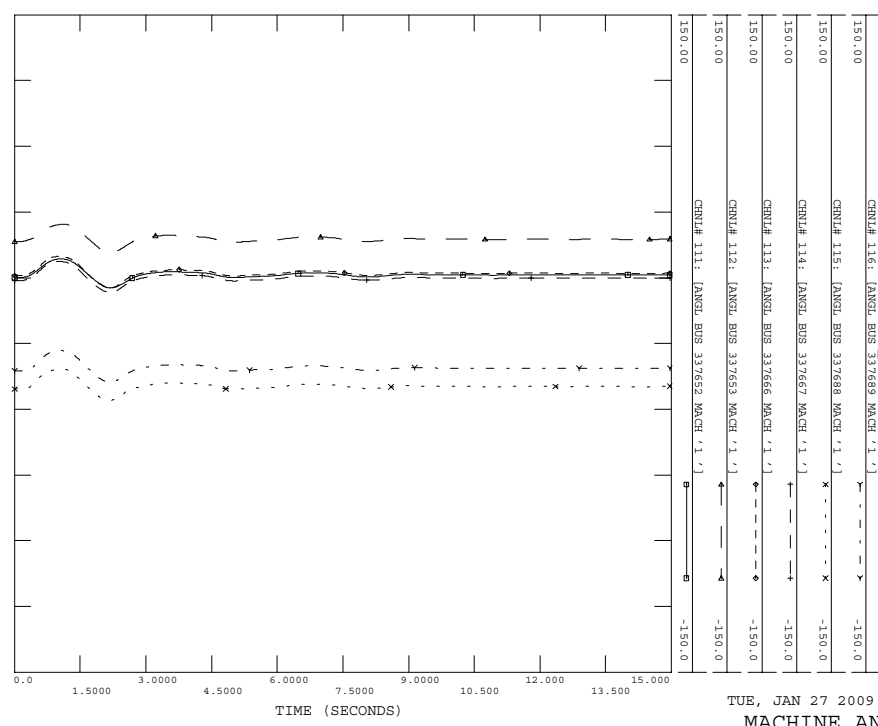


POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 335835
FILE: FLT_2A.OUT

POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 335835
FILE: FLT_2A.OUT

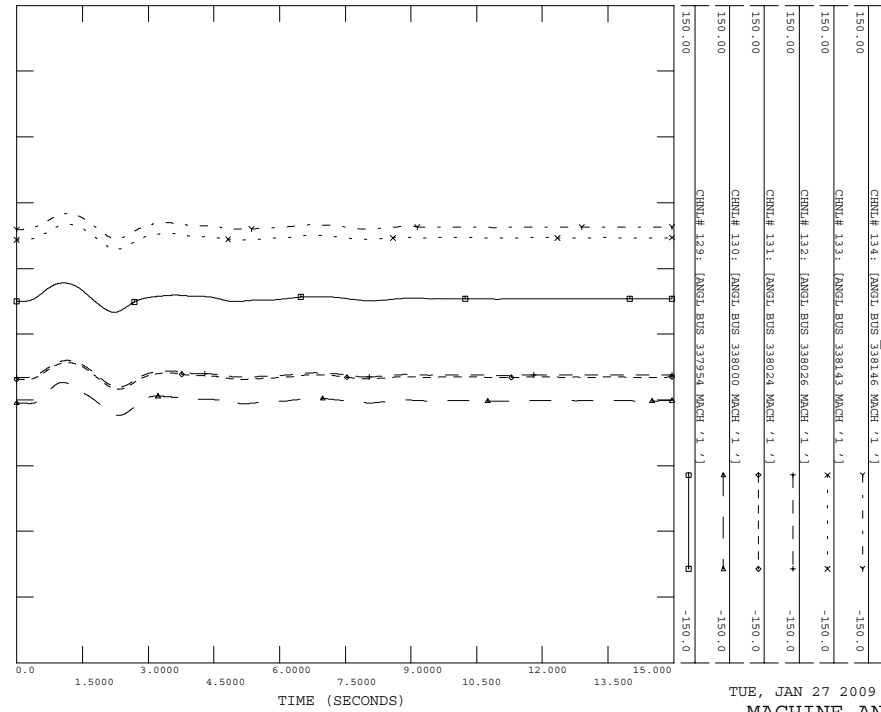


POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 335835
FILE: FLT_2A.OUT

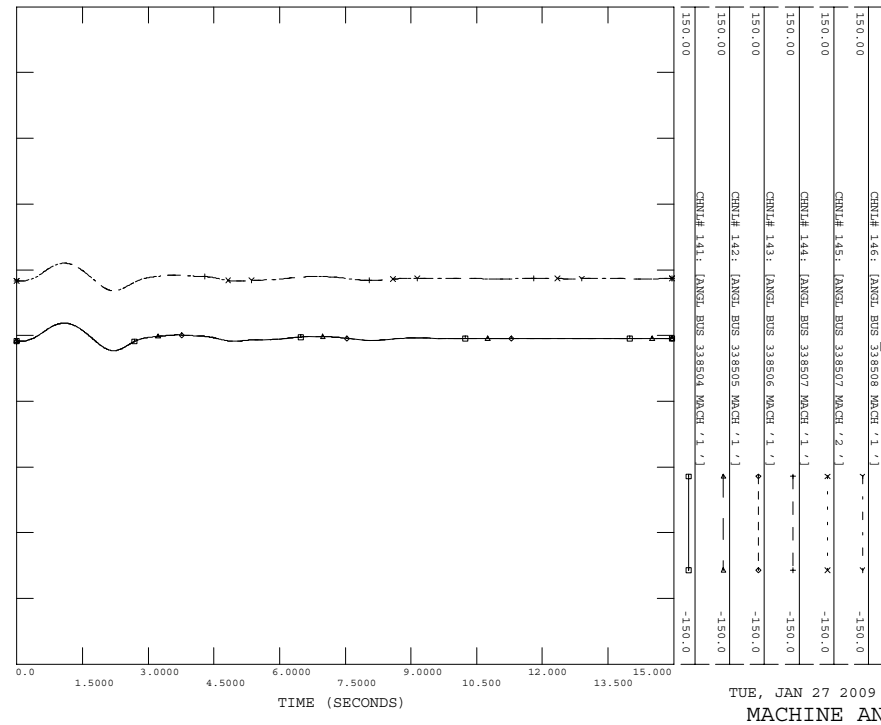


POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 335835
FILE: FLT_2A.OUT

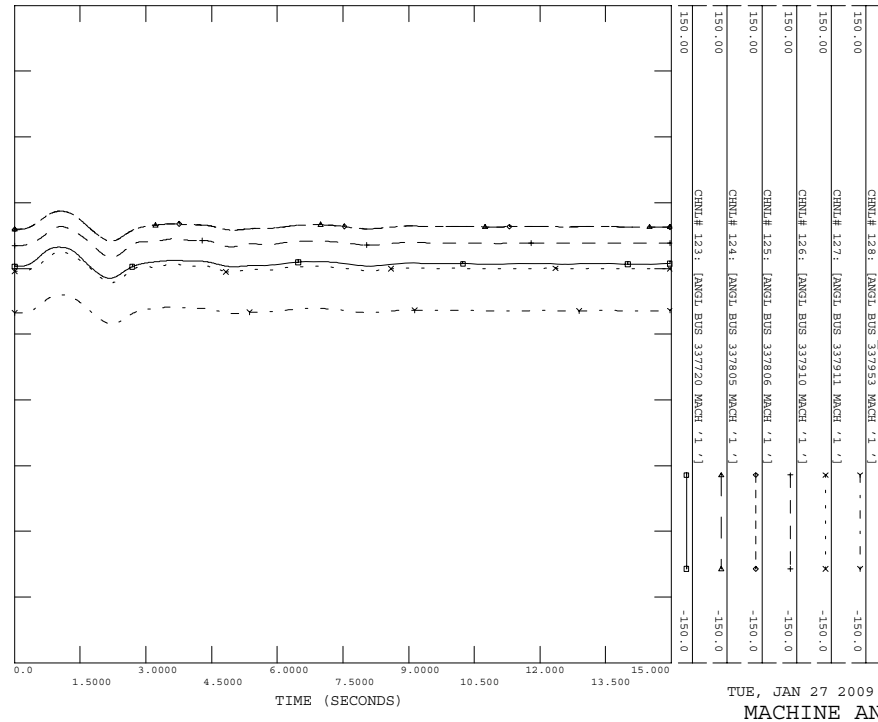
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.CUT



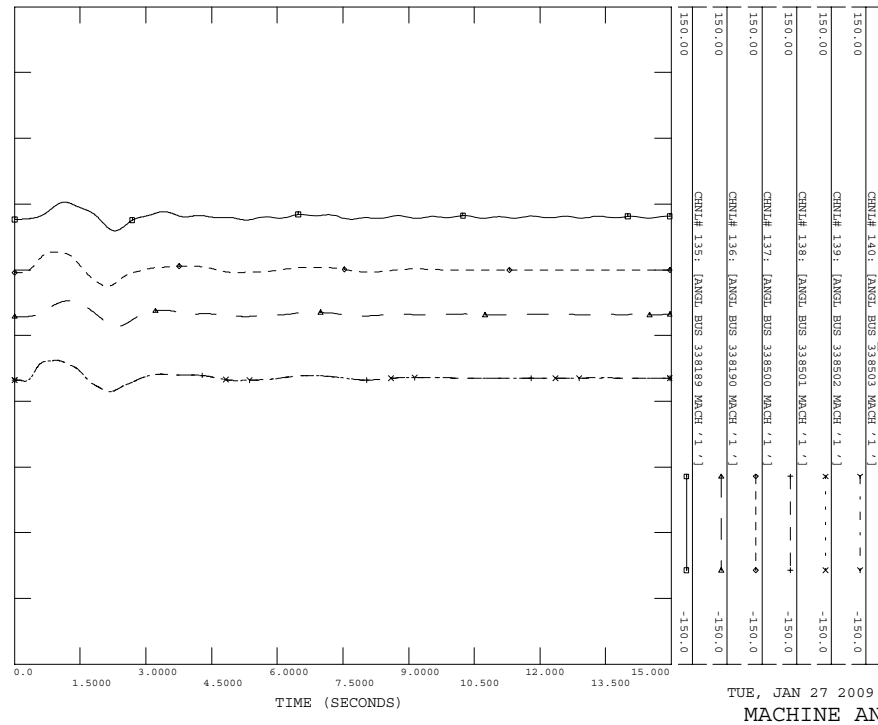
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.CUT



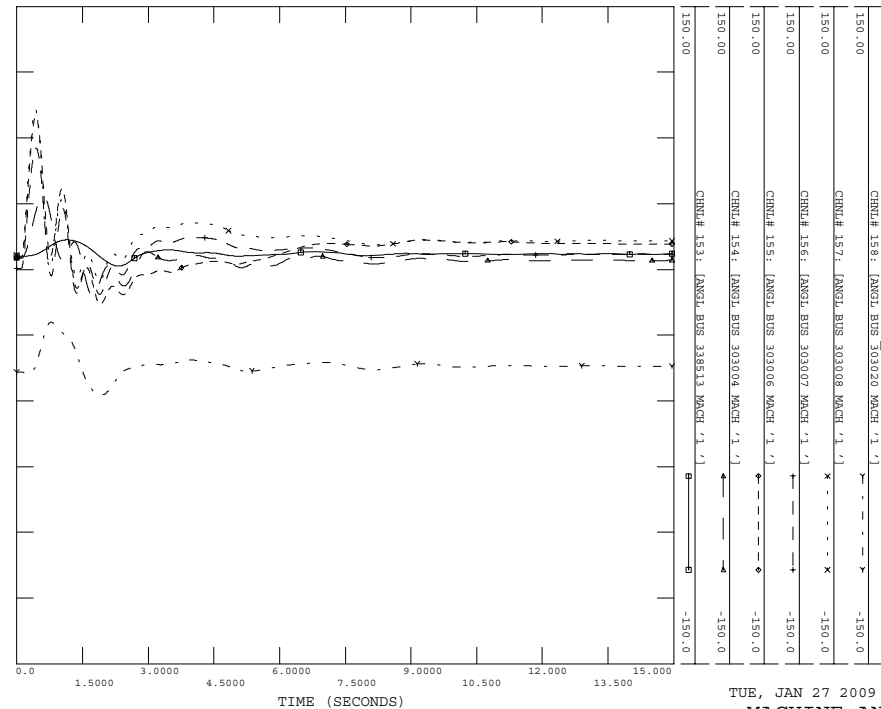
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.CUT



POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.CUT

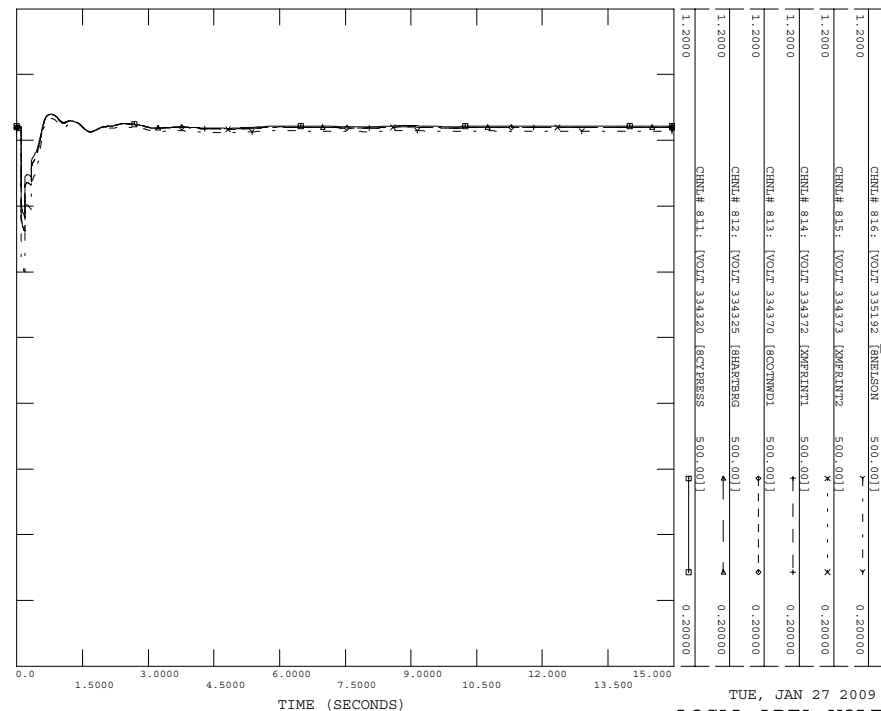


POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



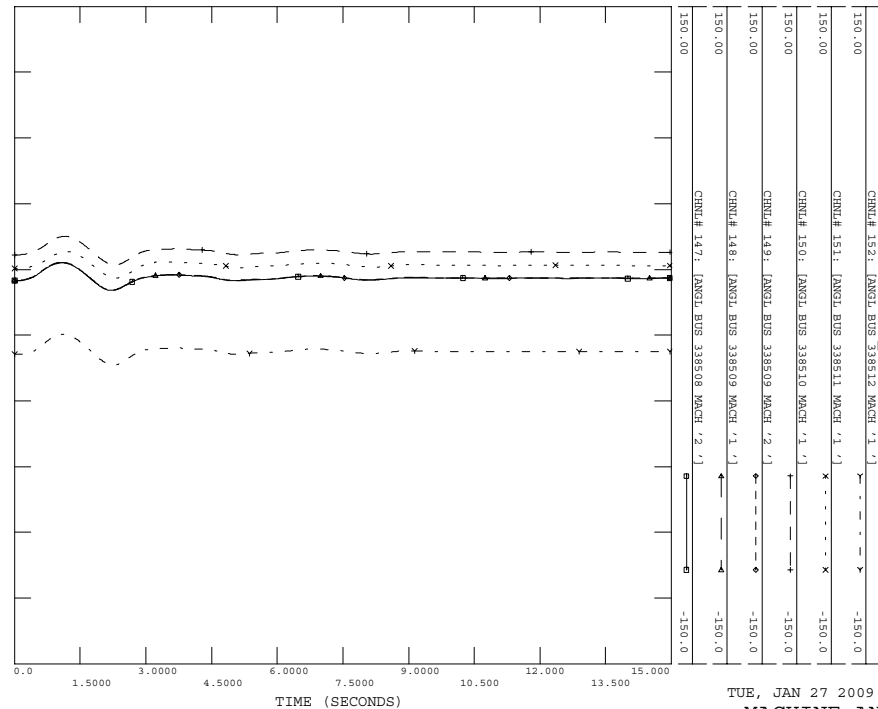
TUE, JAN 27 2009 20:17
MACHINE ANGLES

POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



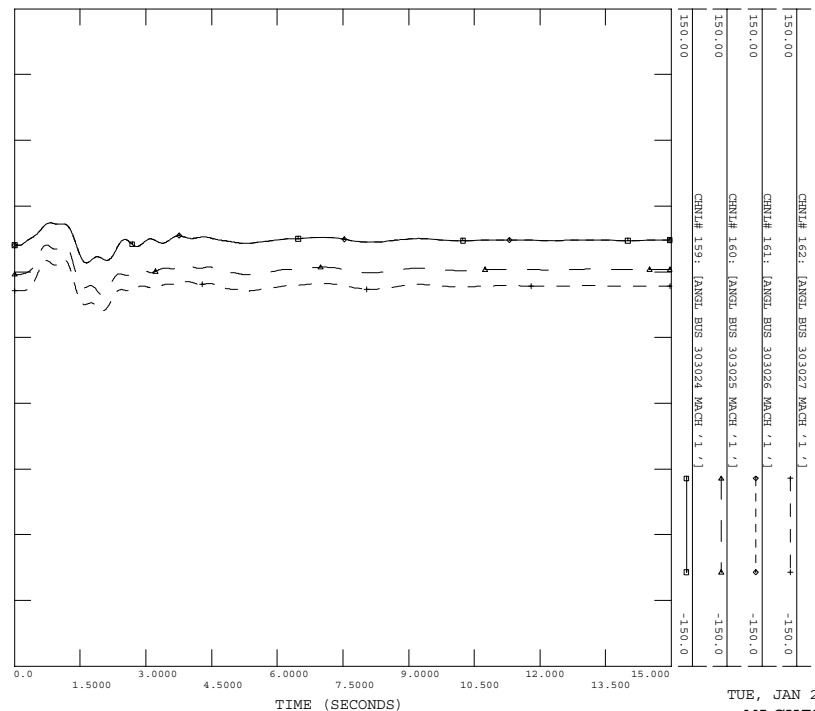
TUE, JAN 27 2009 20:17
LOCAL AREA VOLTAGES

POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

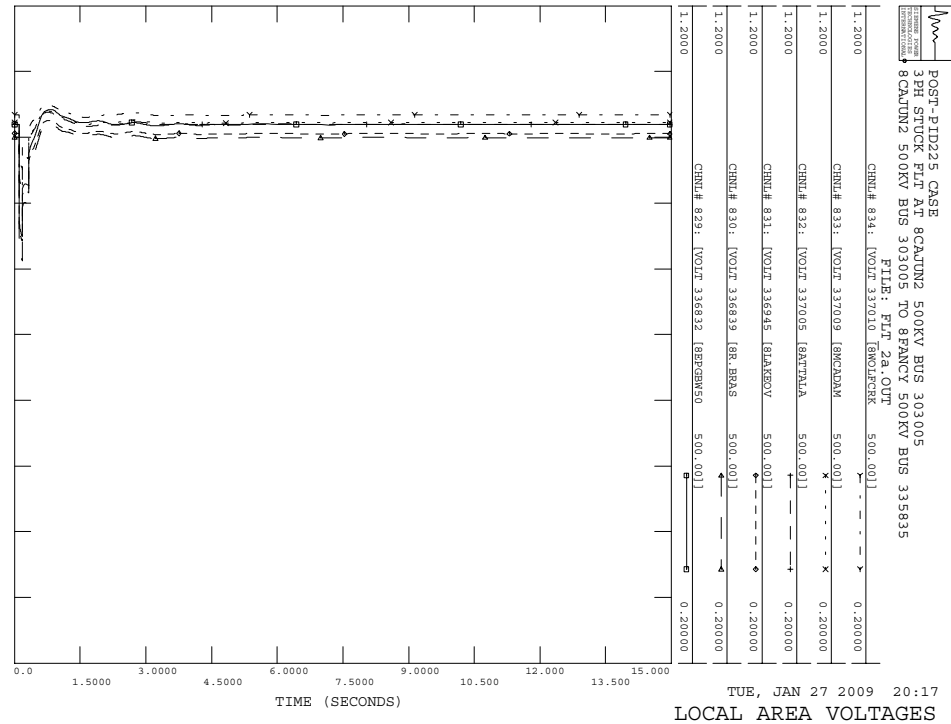
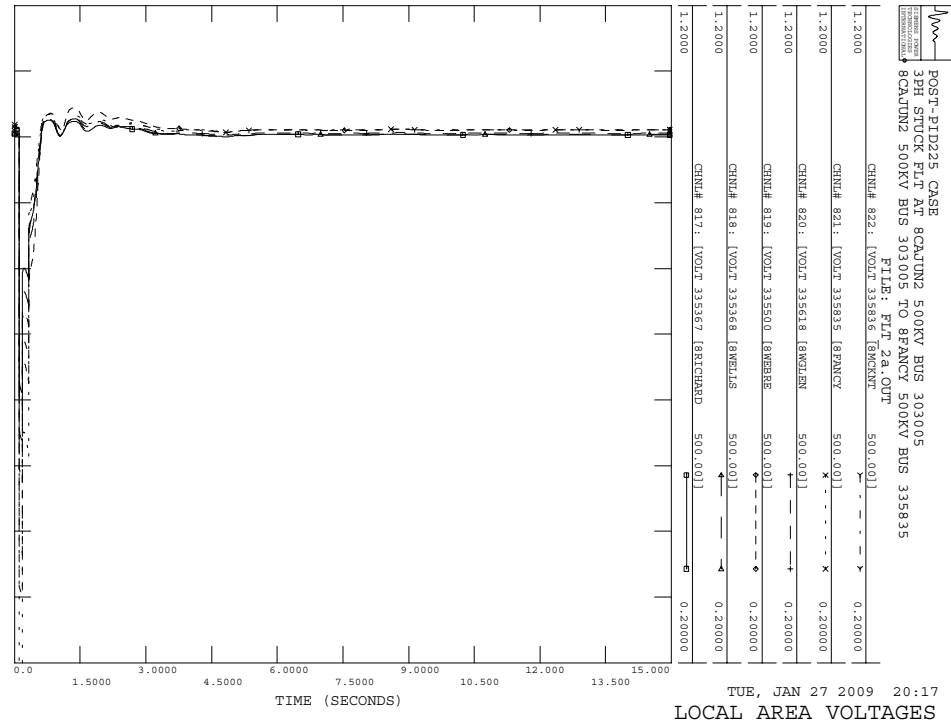
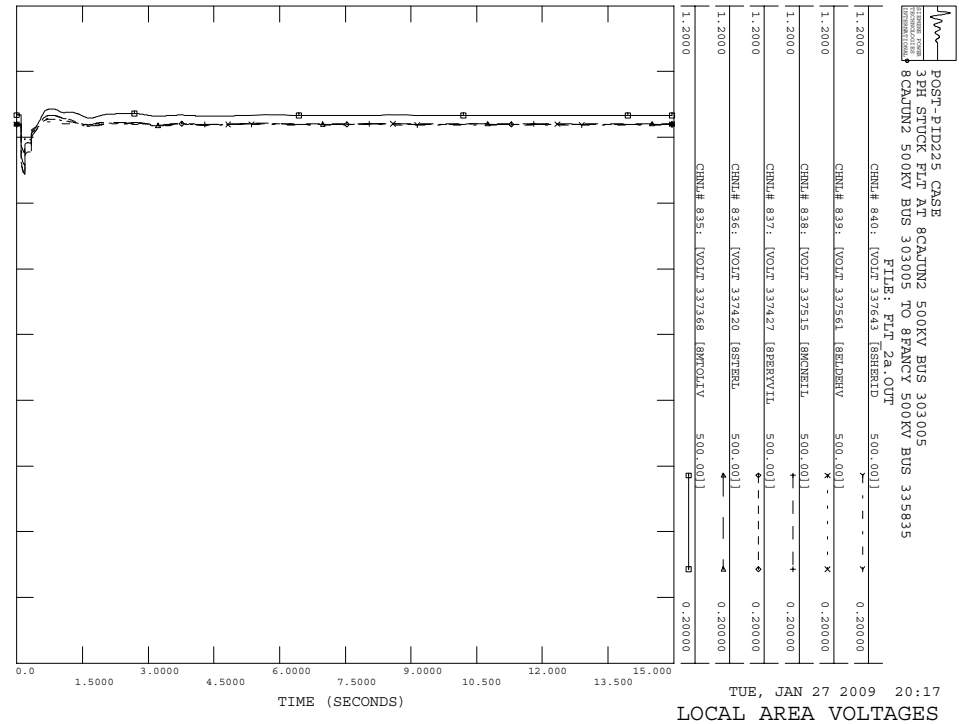
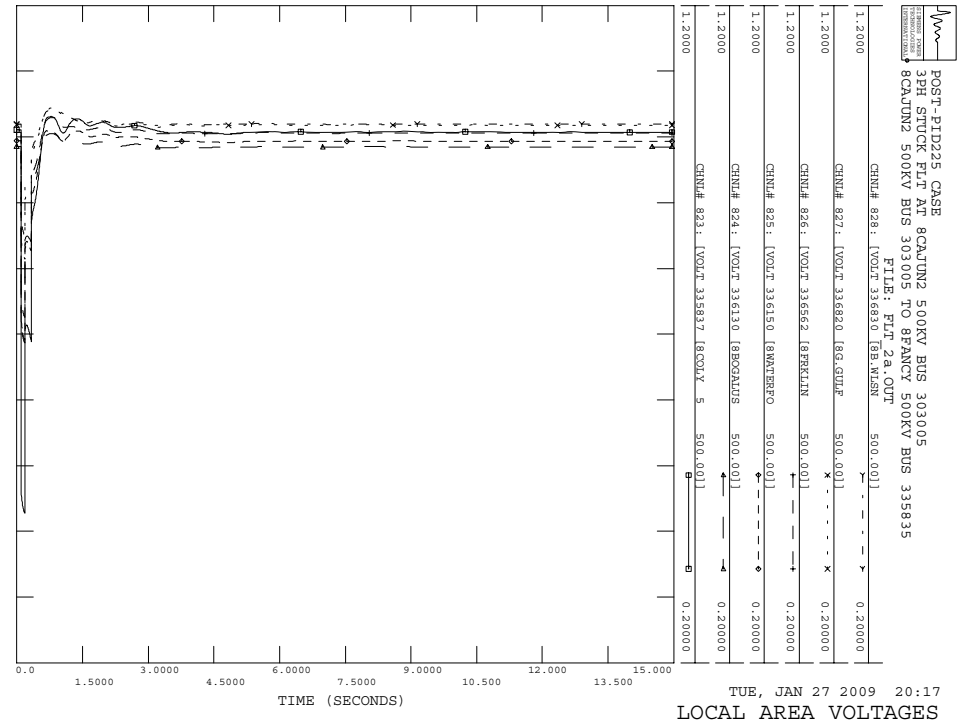


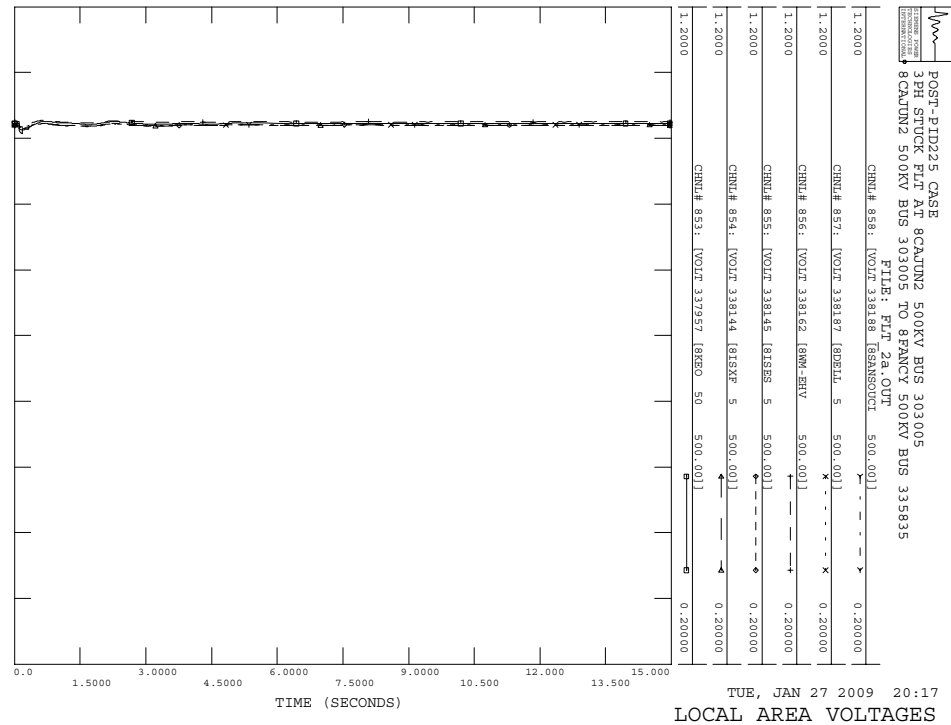
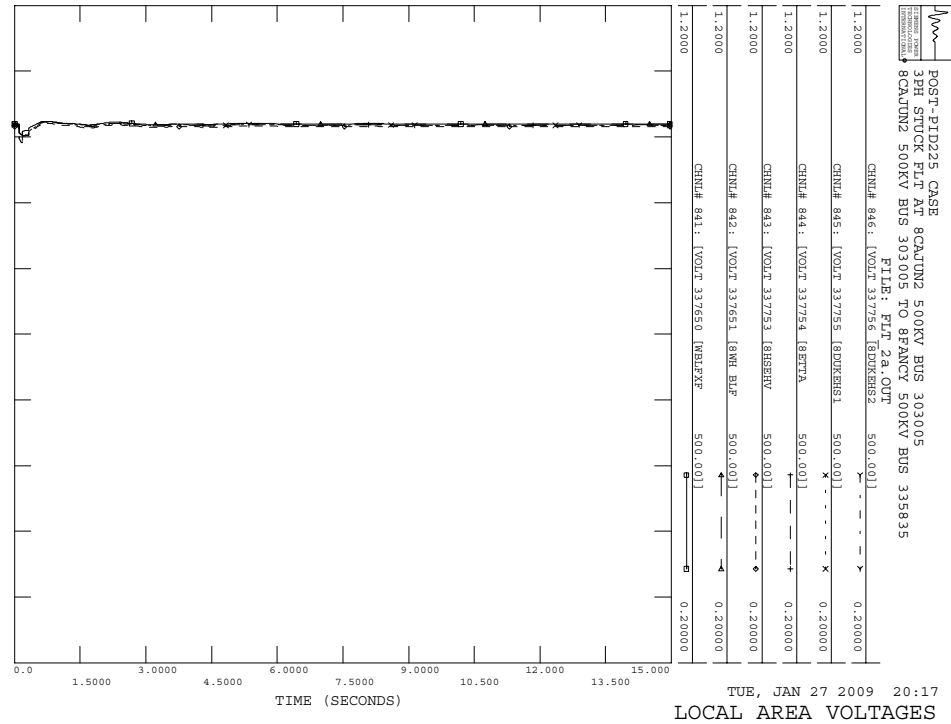
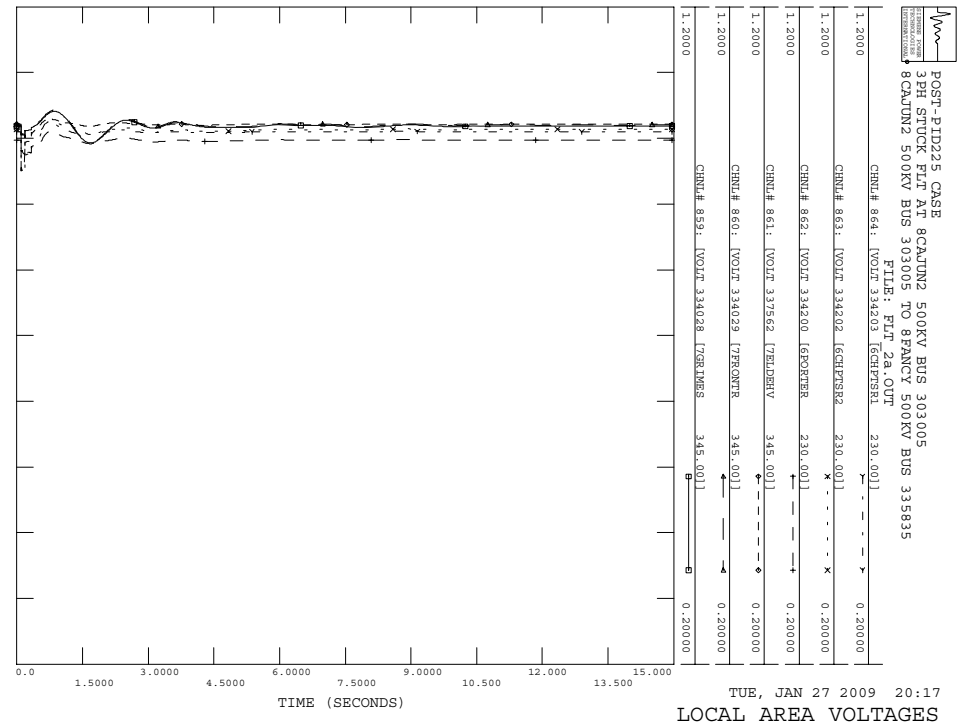
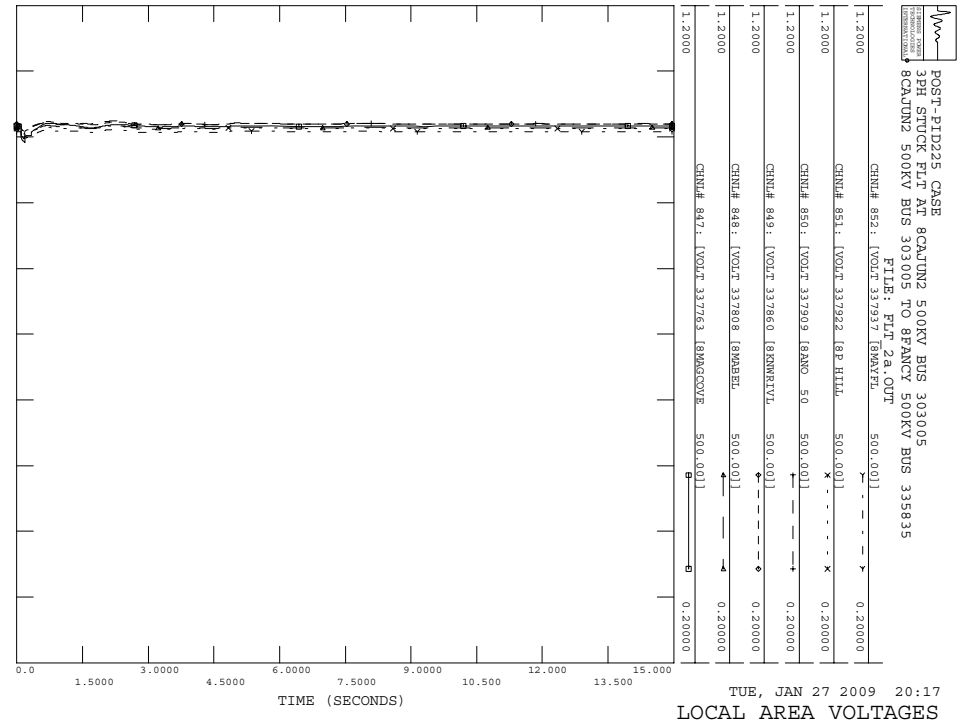
TUE, JAN 27 2009 20:17
MACHINE ANGLES

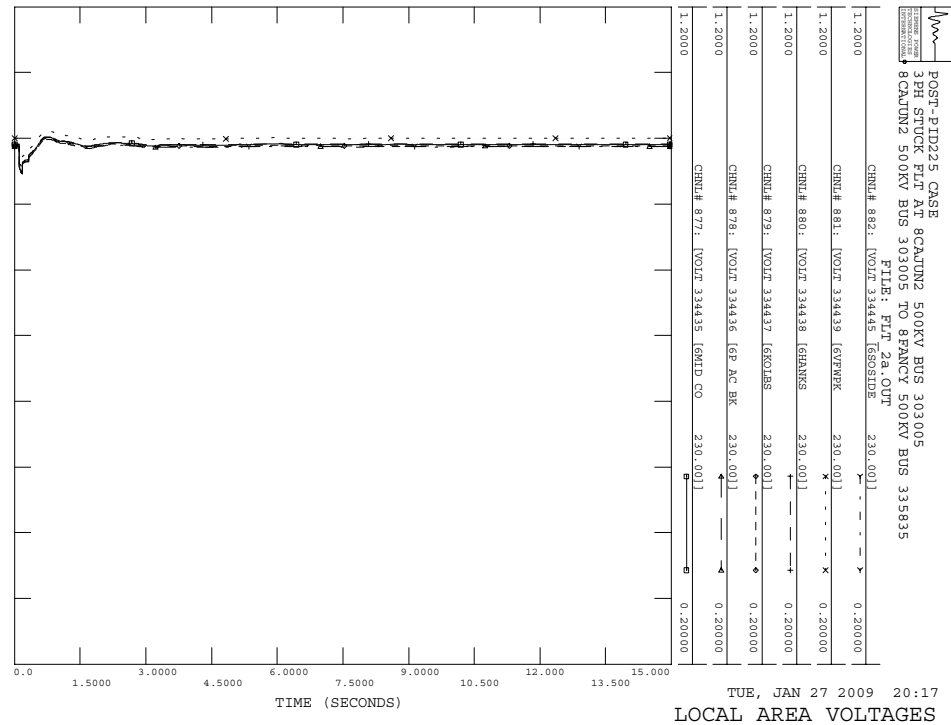
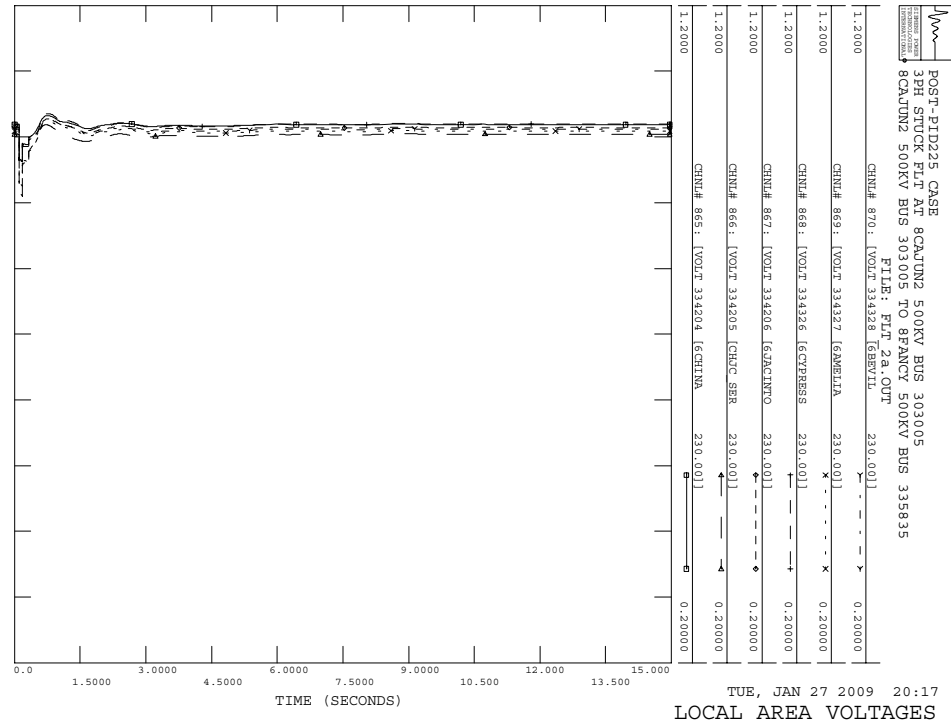
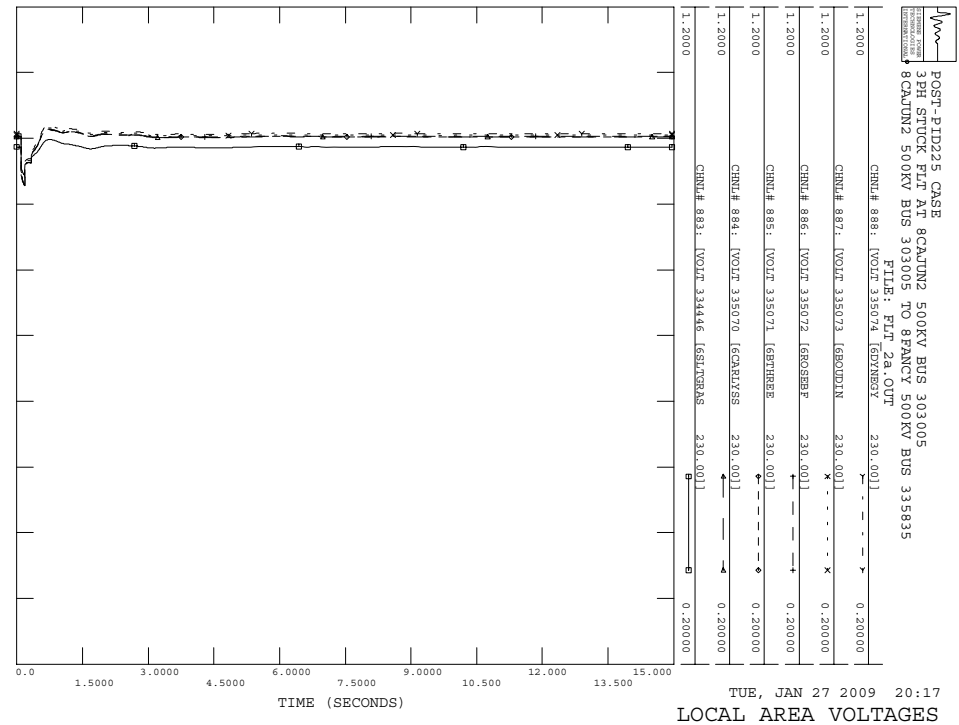
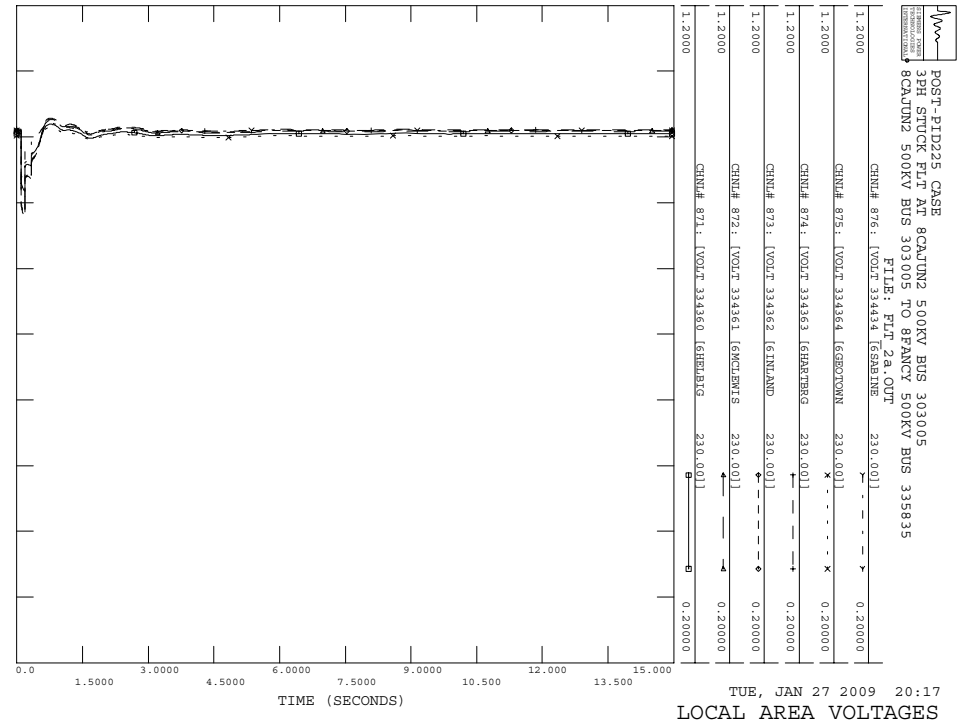
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

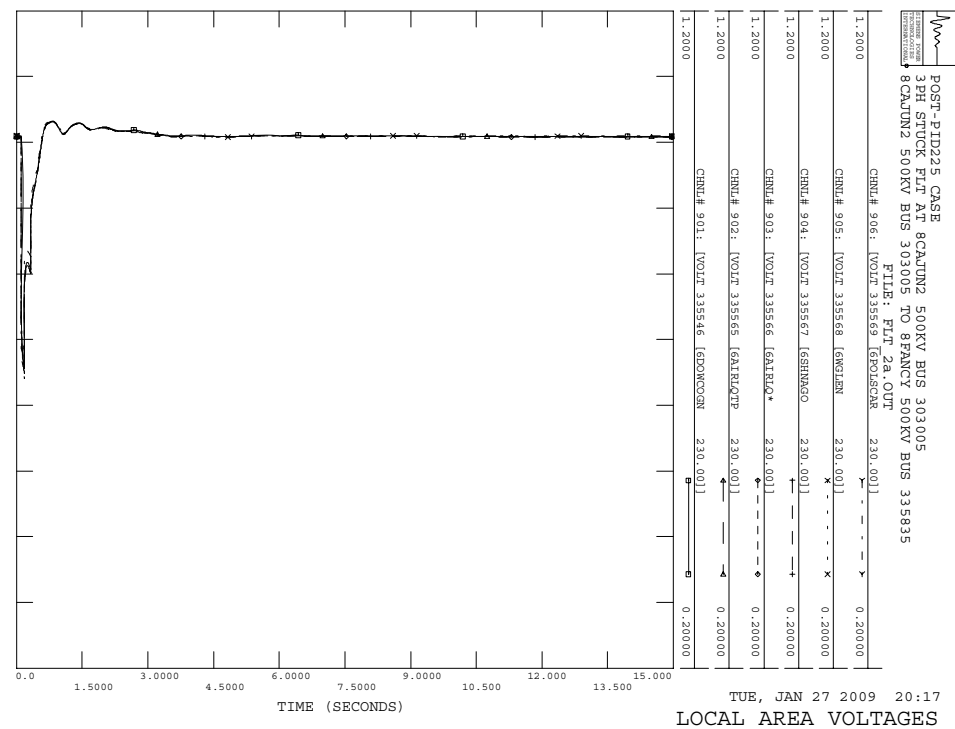
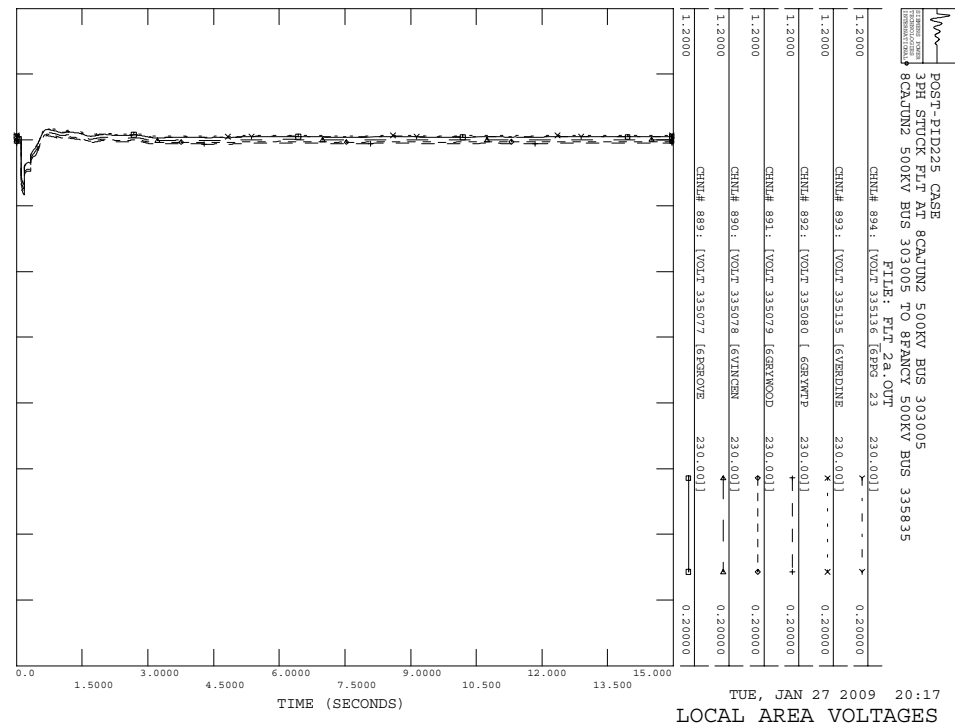
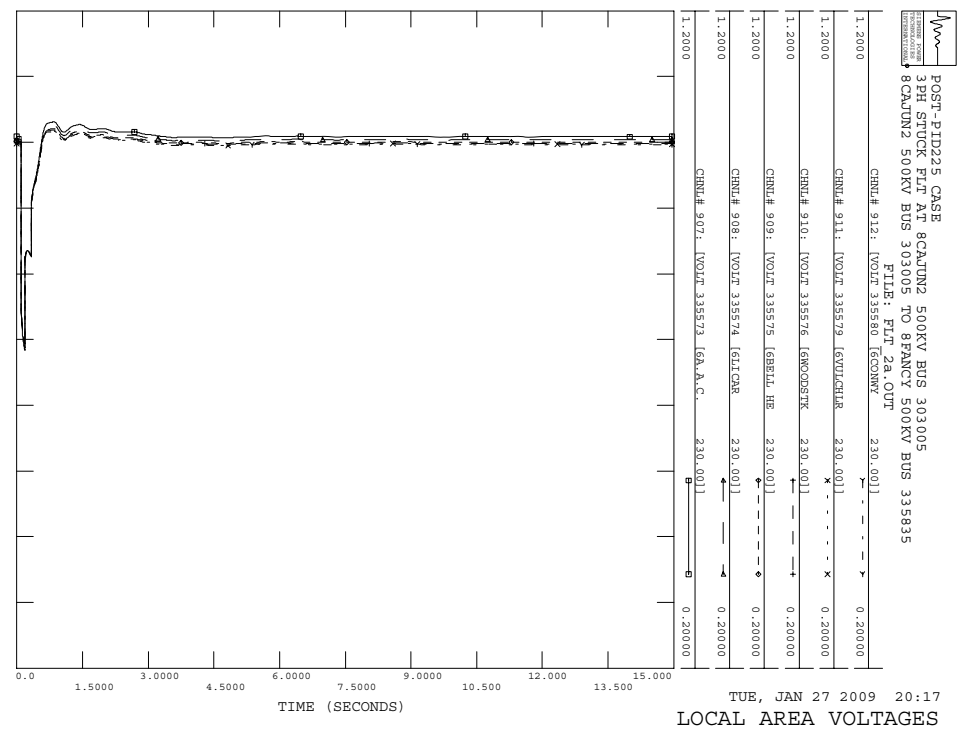
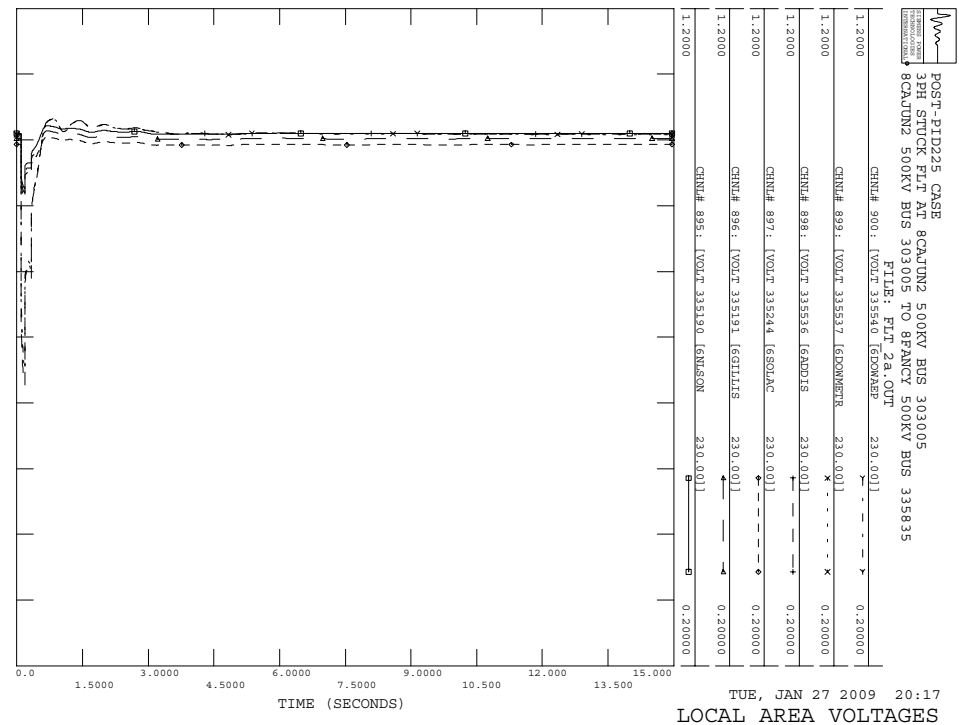


TUE, JAN 27 2009 20:17
MACHINE ANGLES

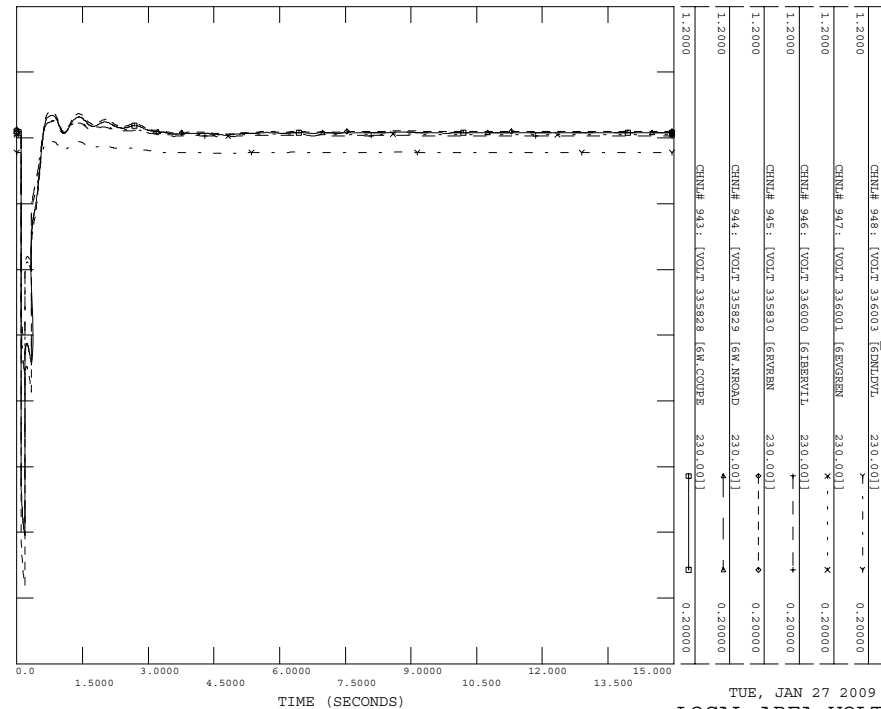




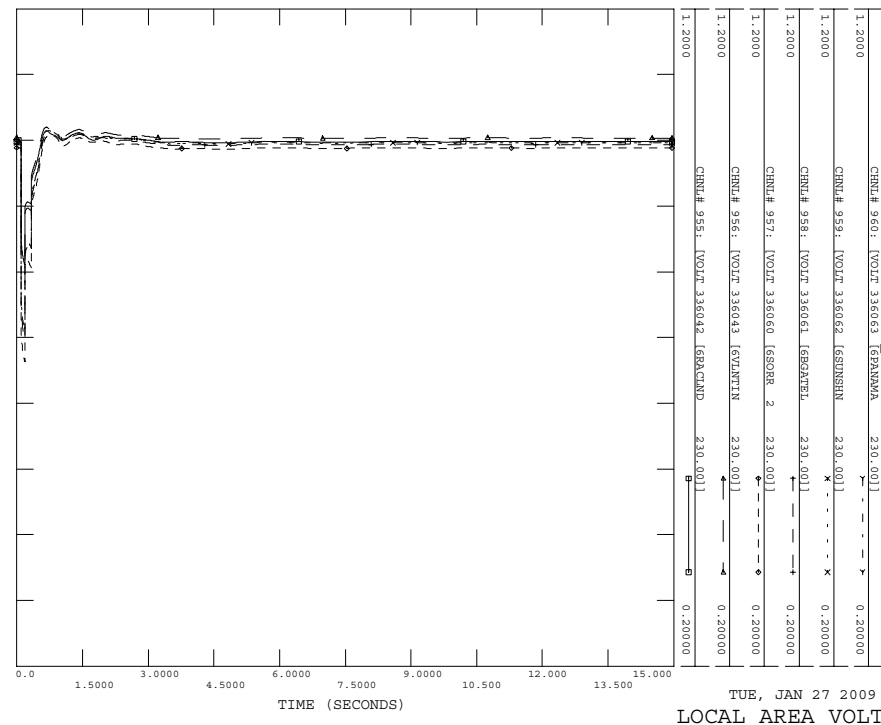




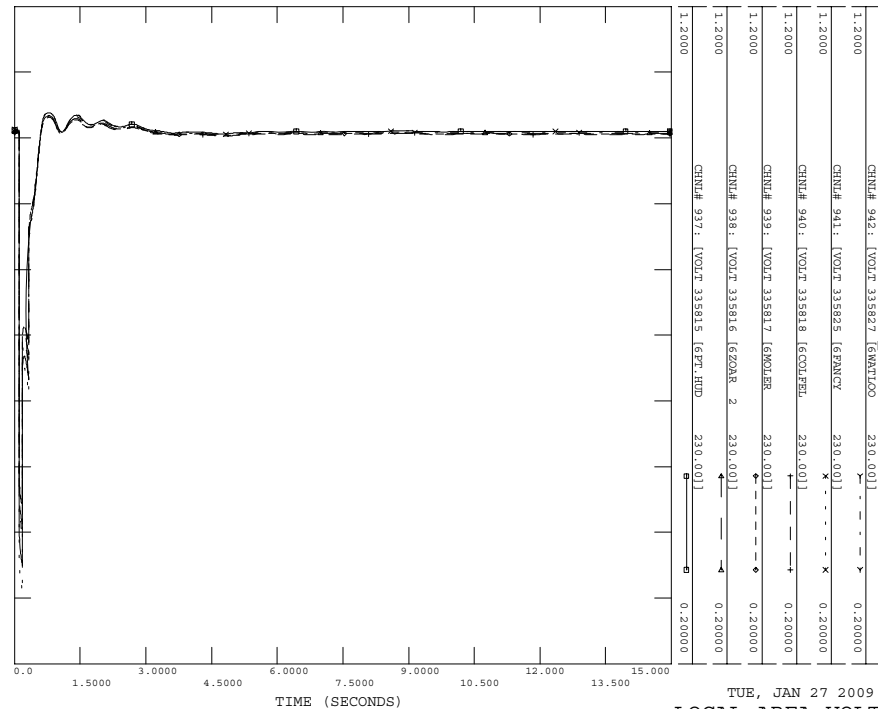
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT



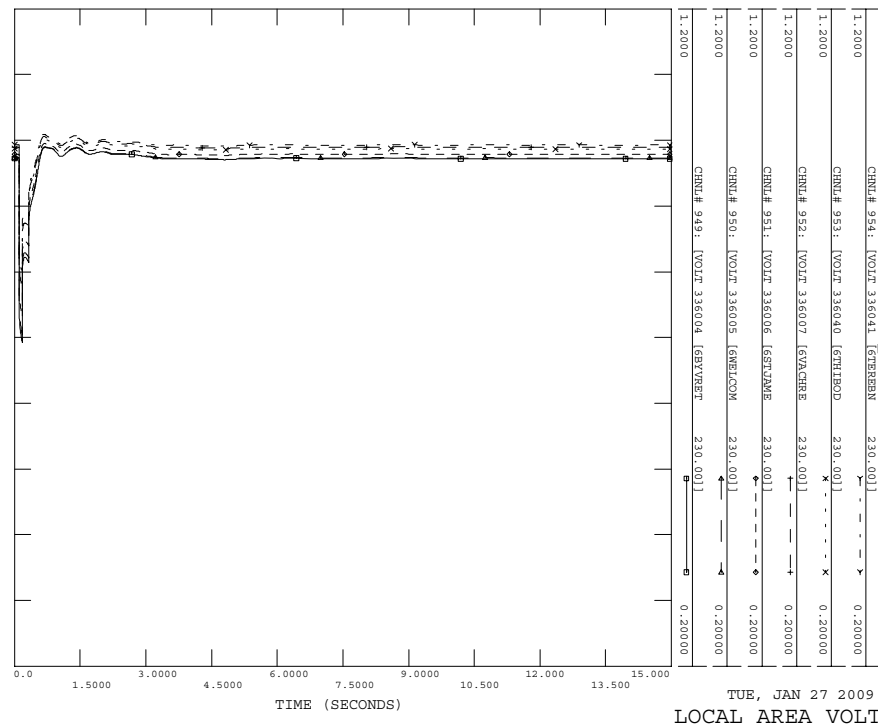
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

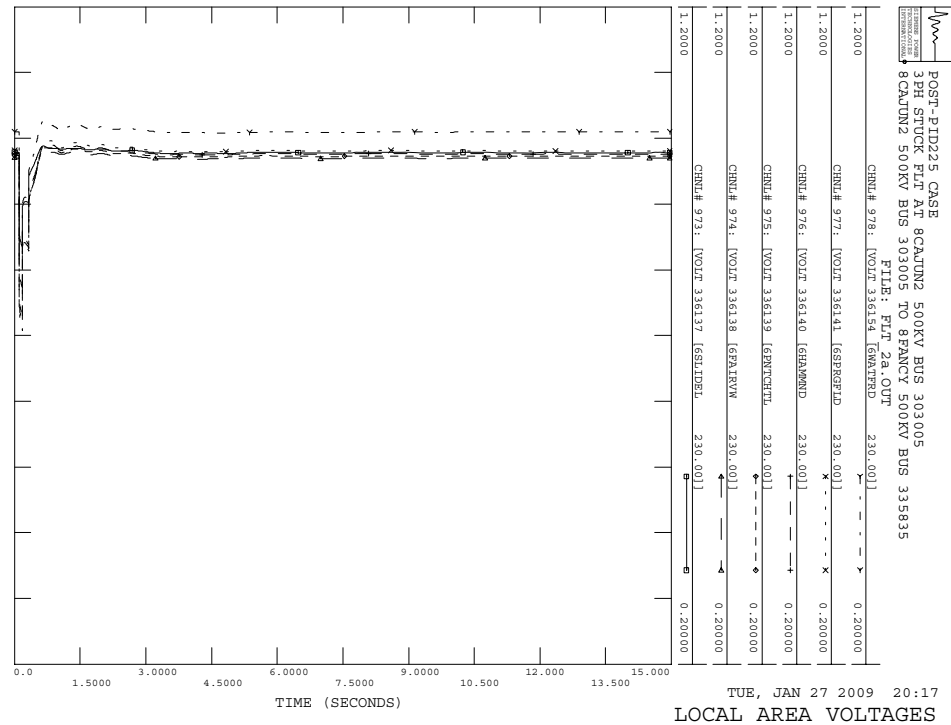
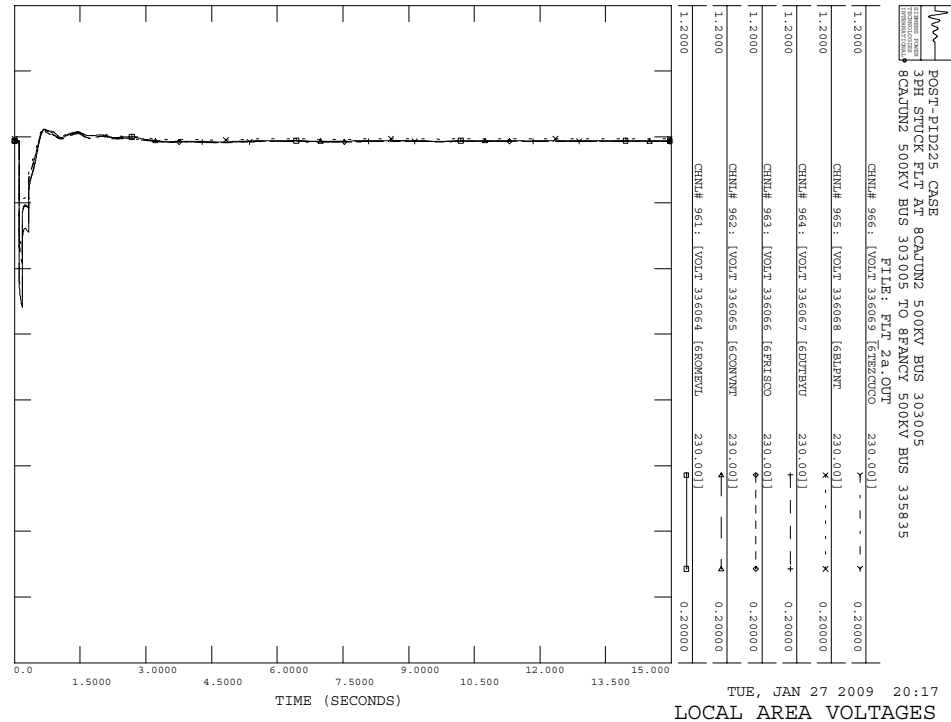
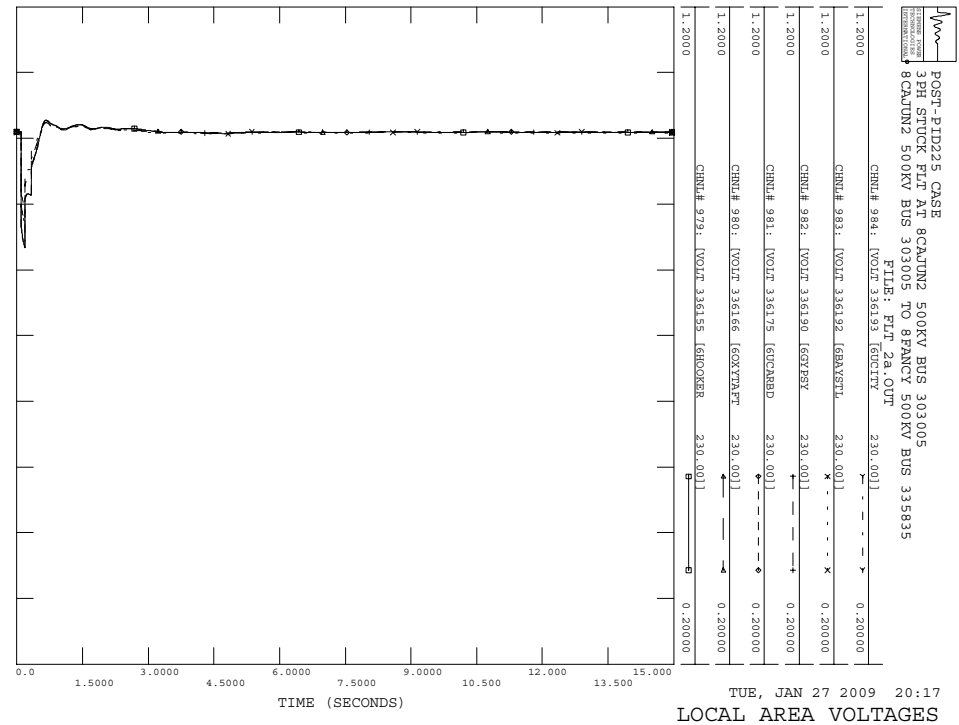
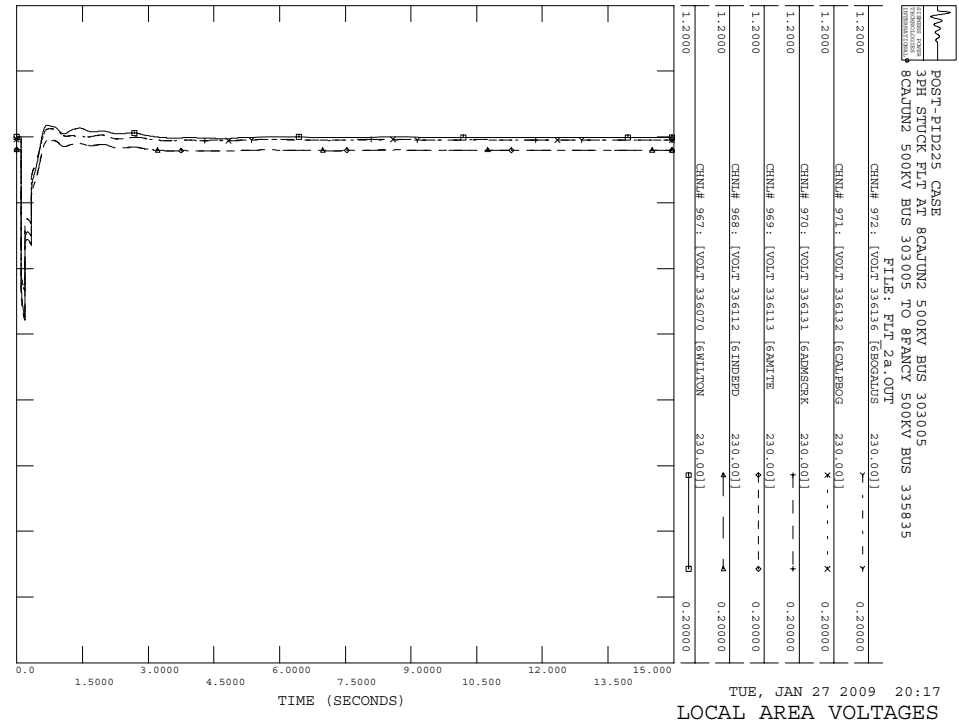


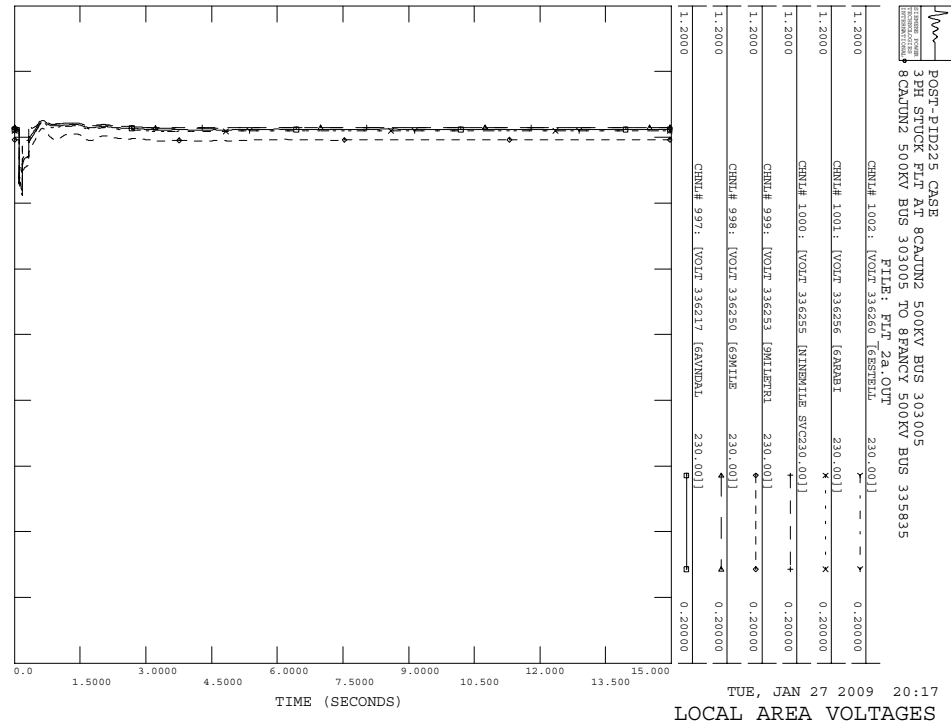
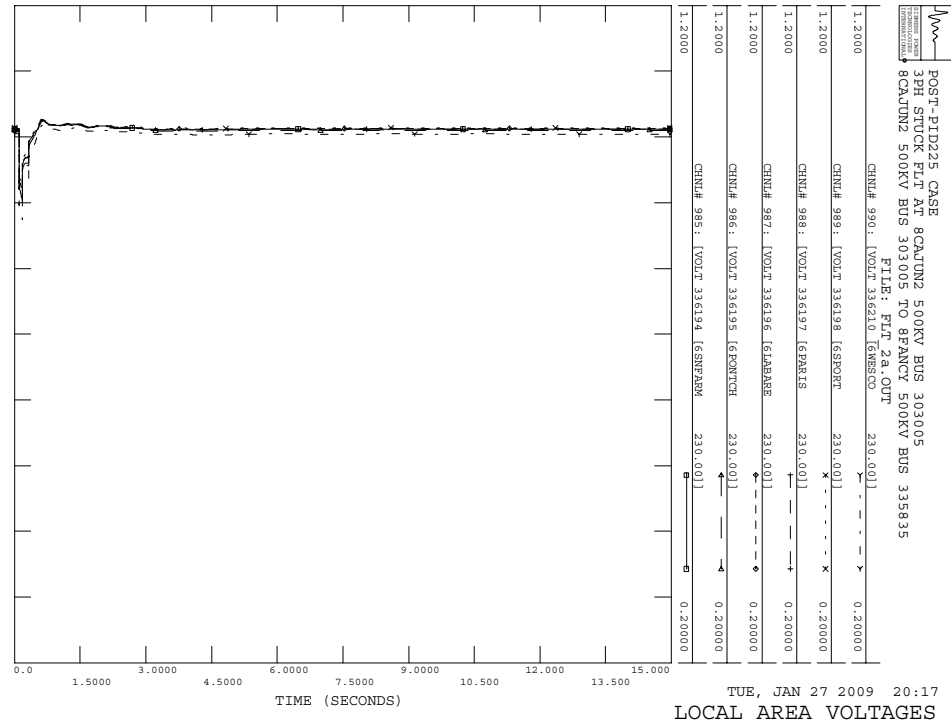
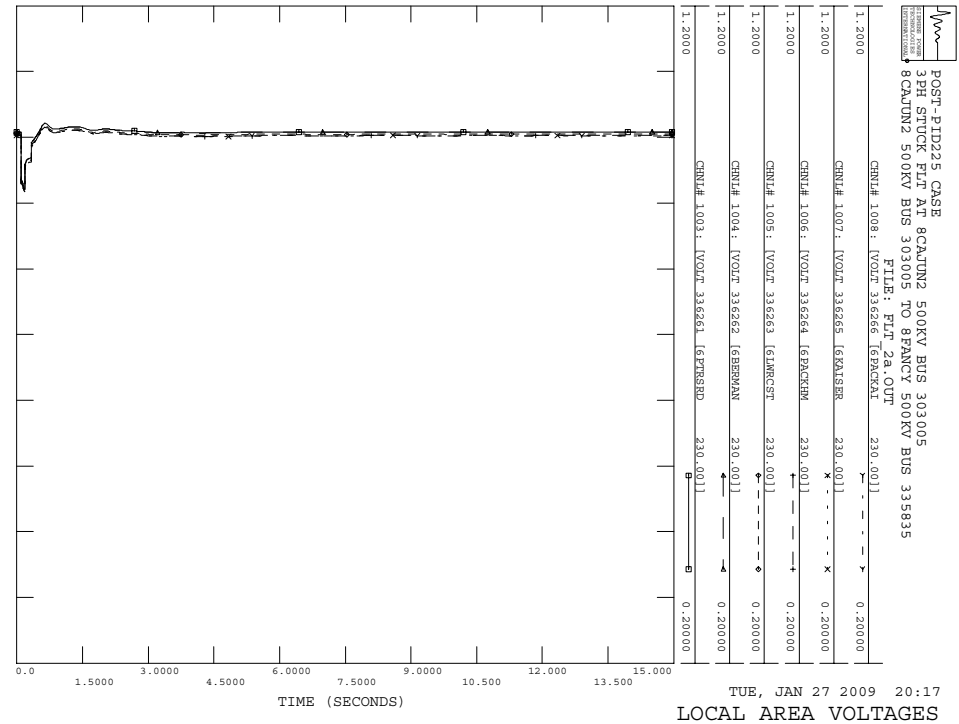
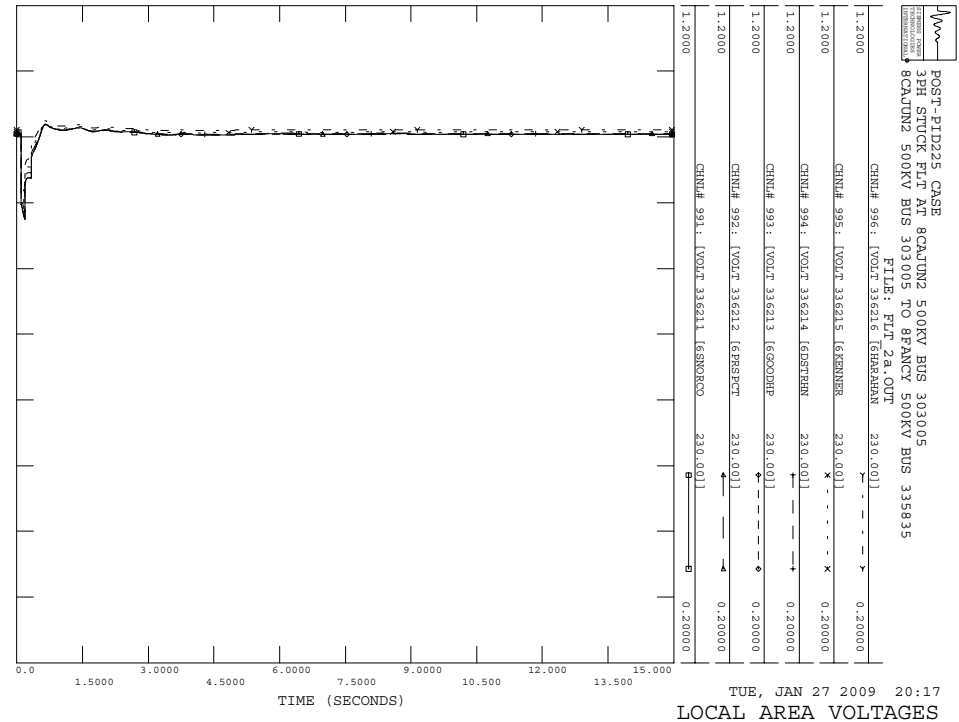
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

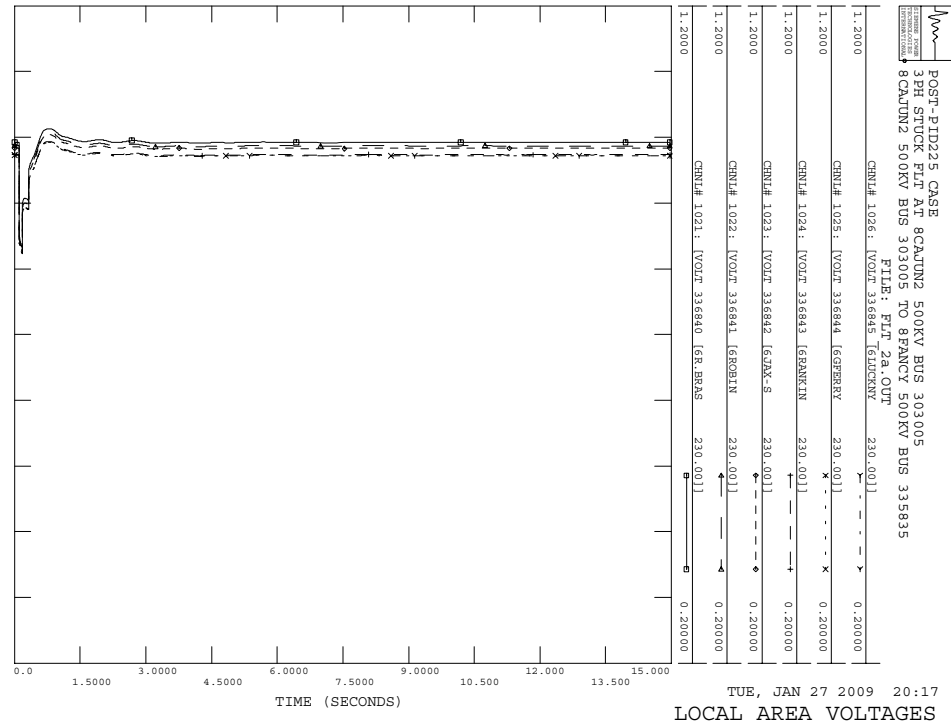
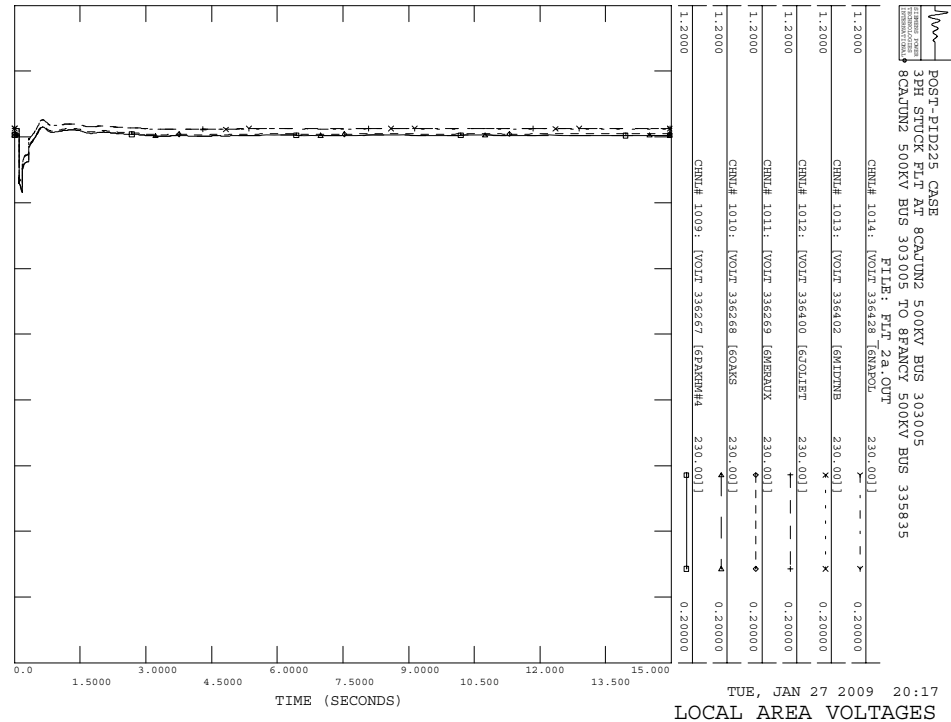
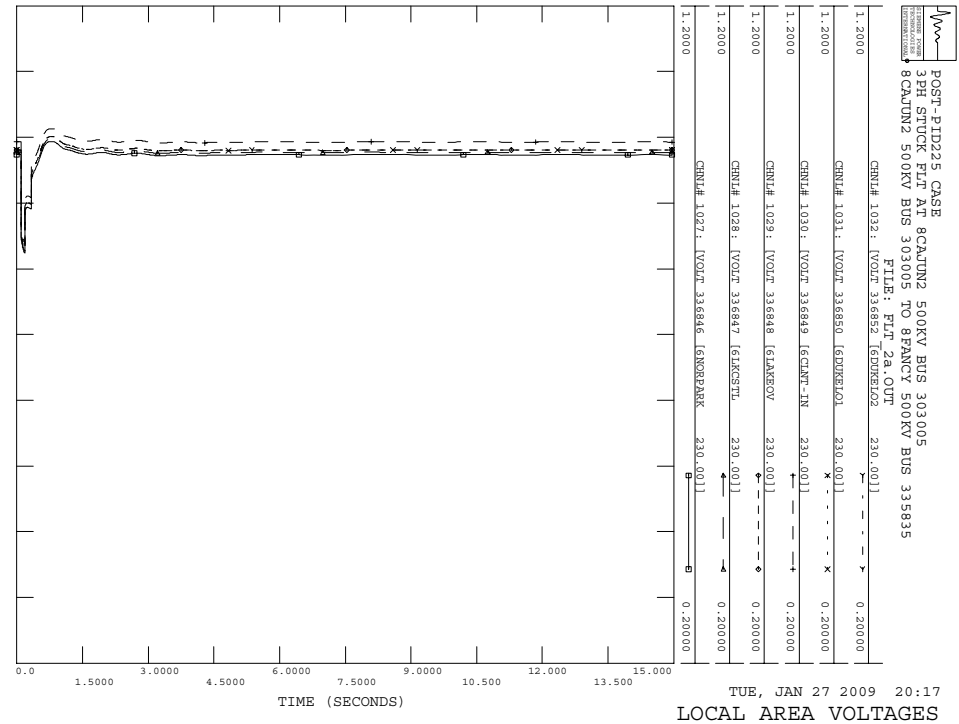
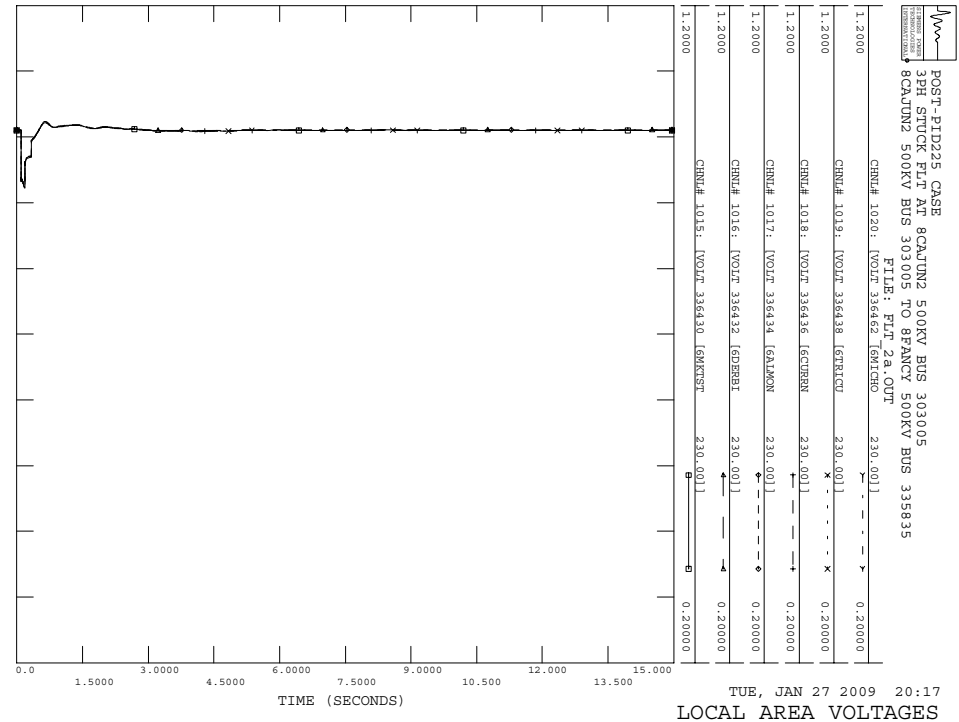


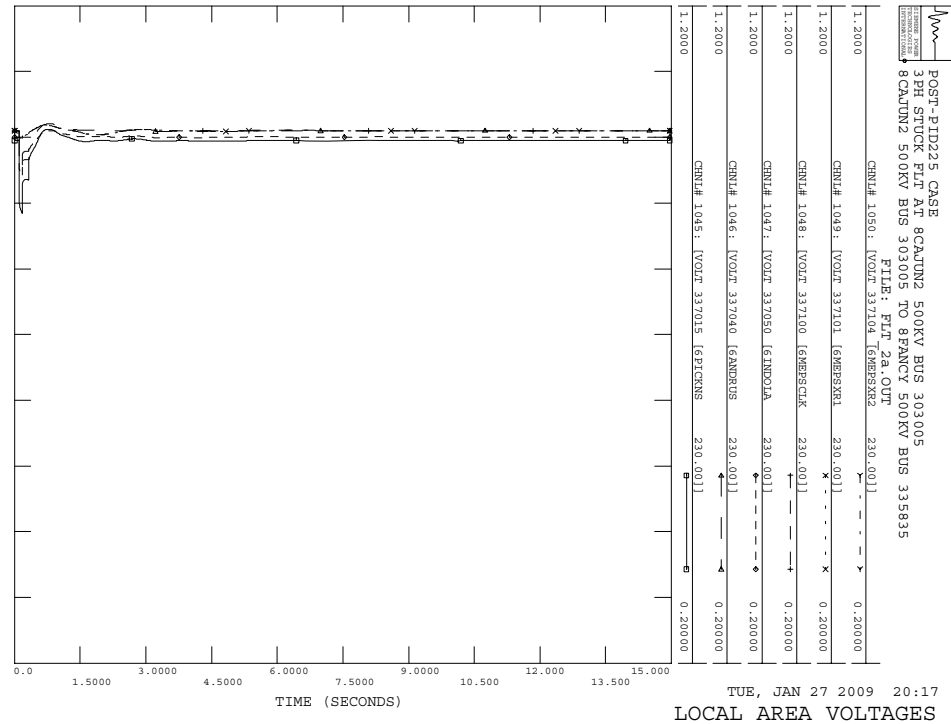
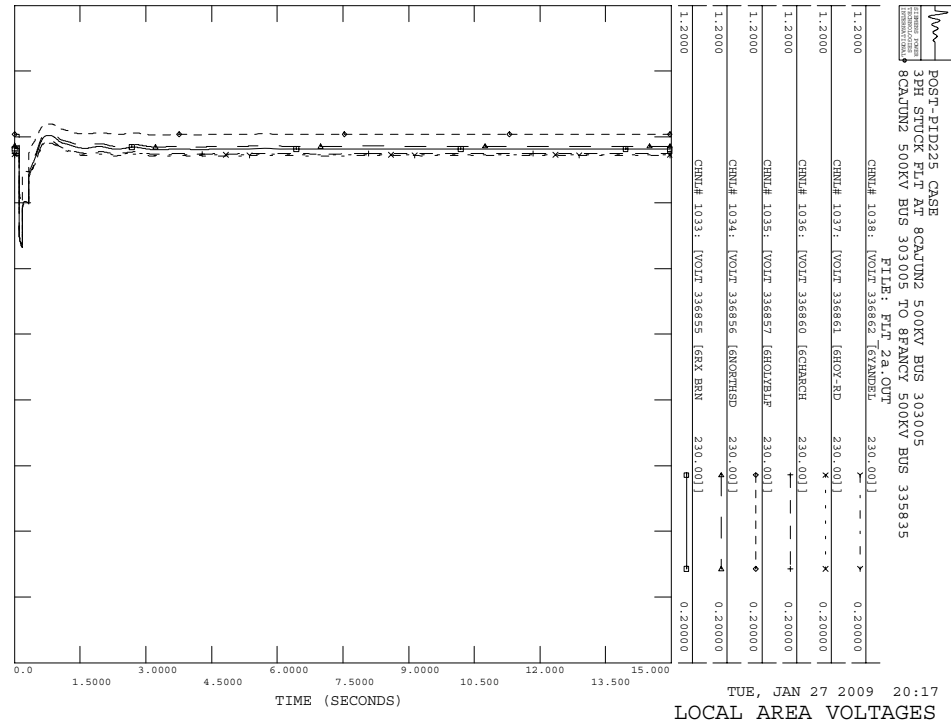
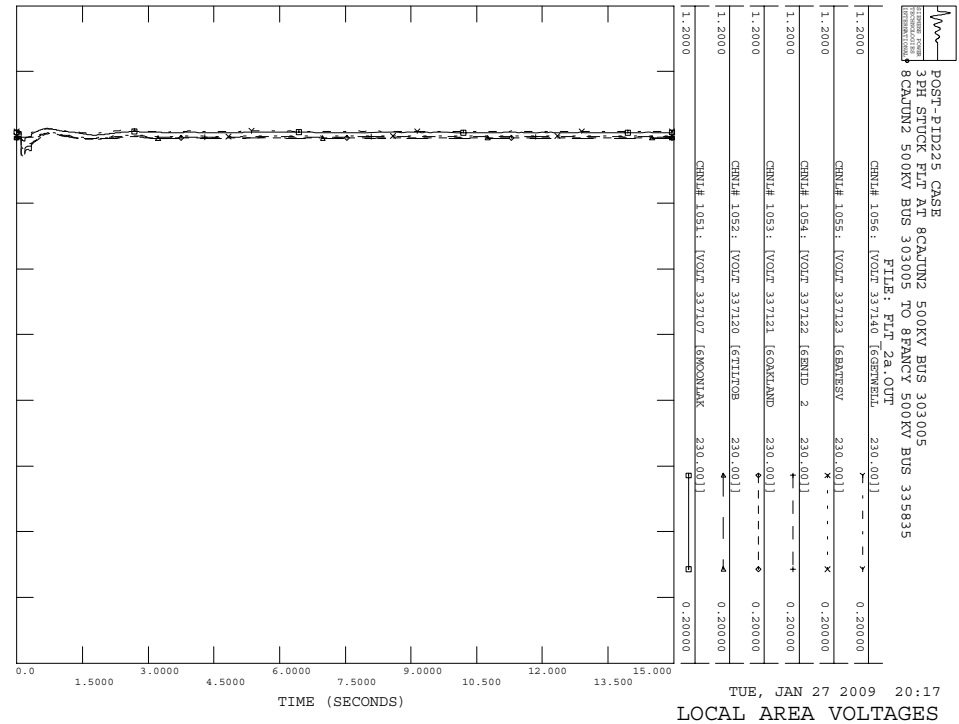
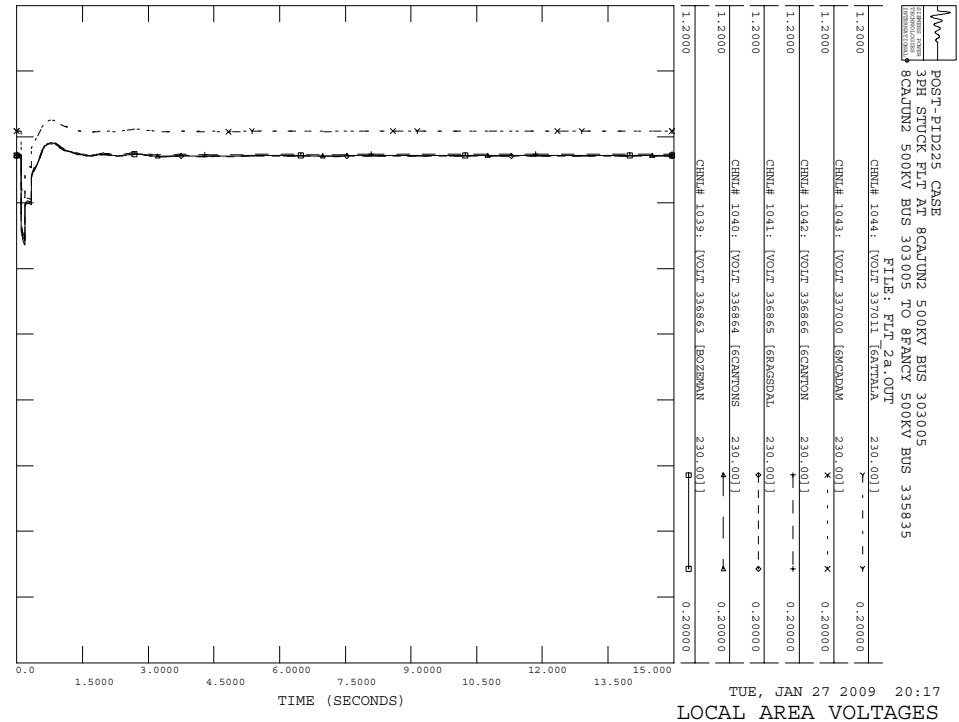
POST-PID225 CASE
3PH STUCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_2a.OUT

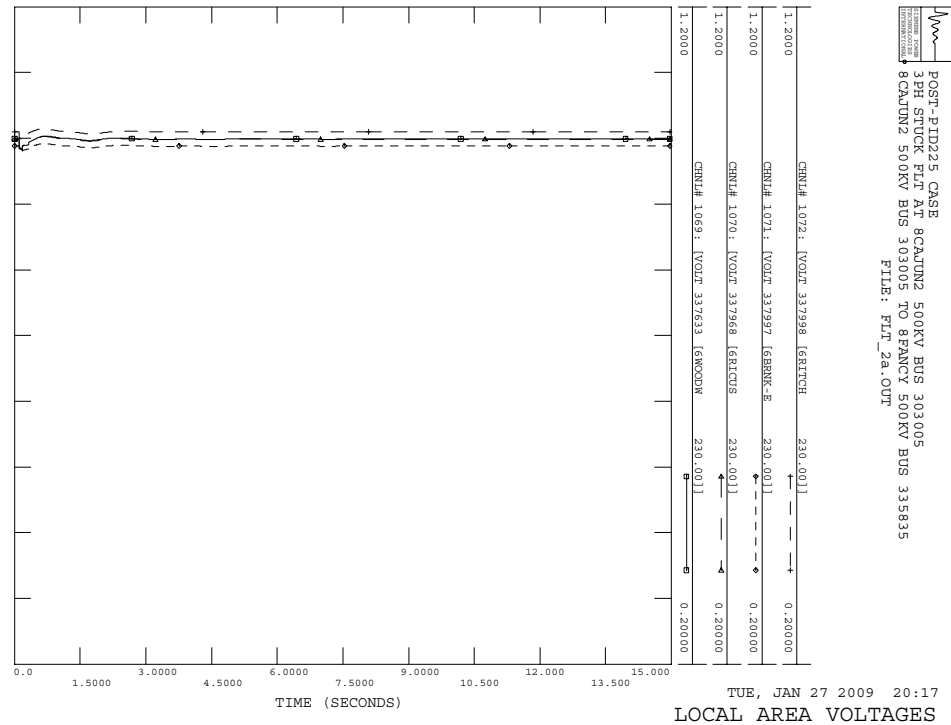
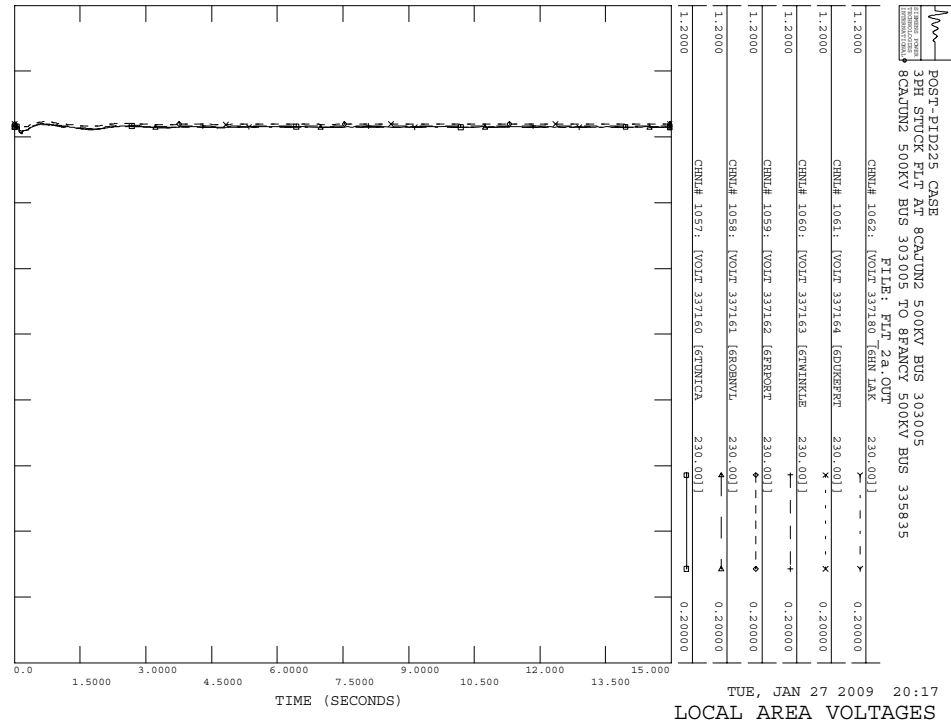
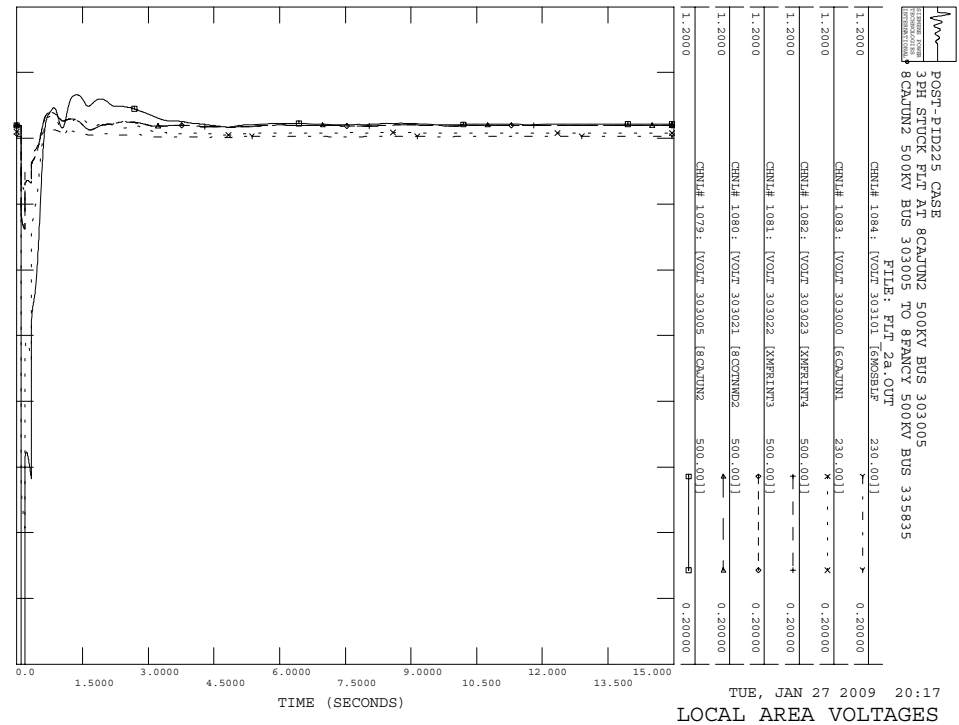
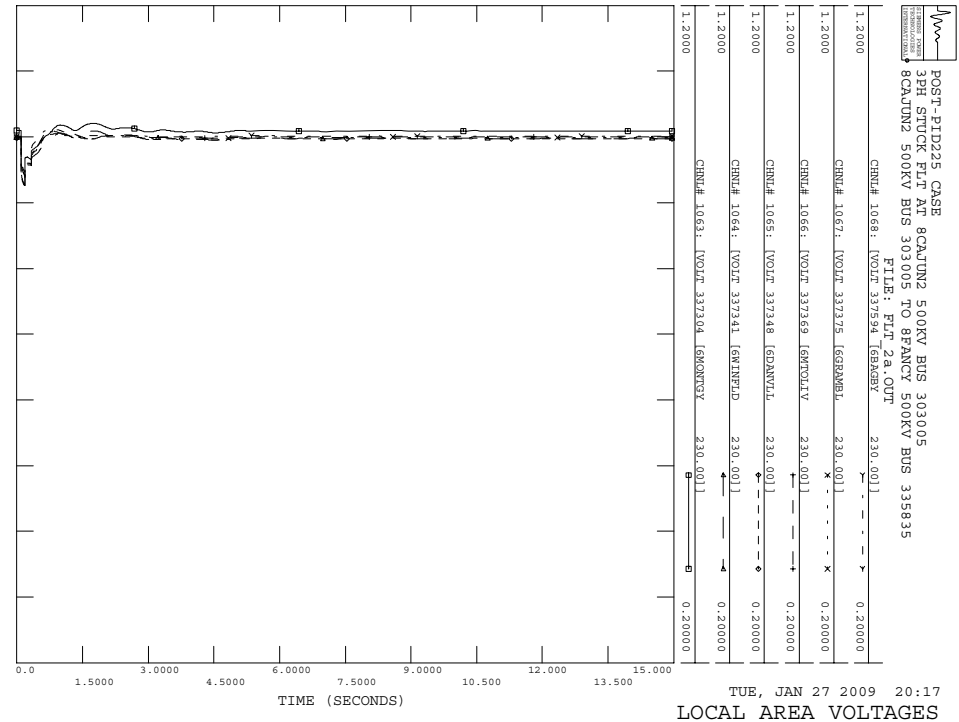


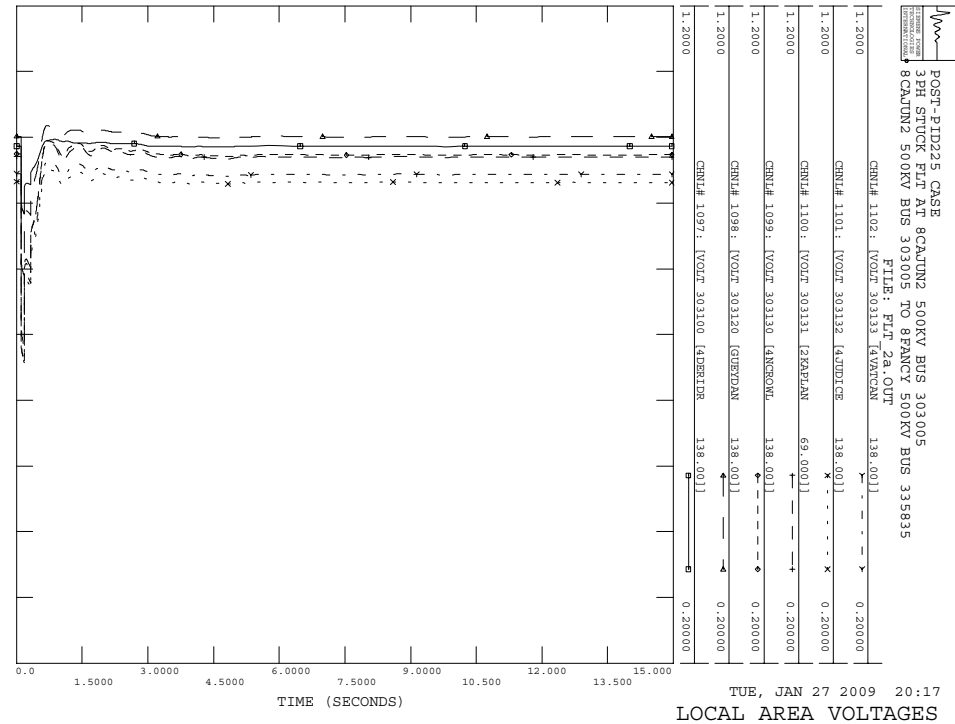
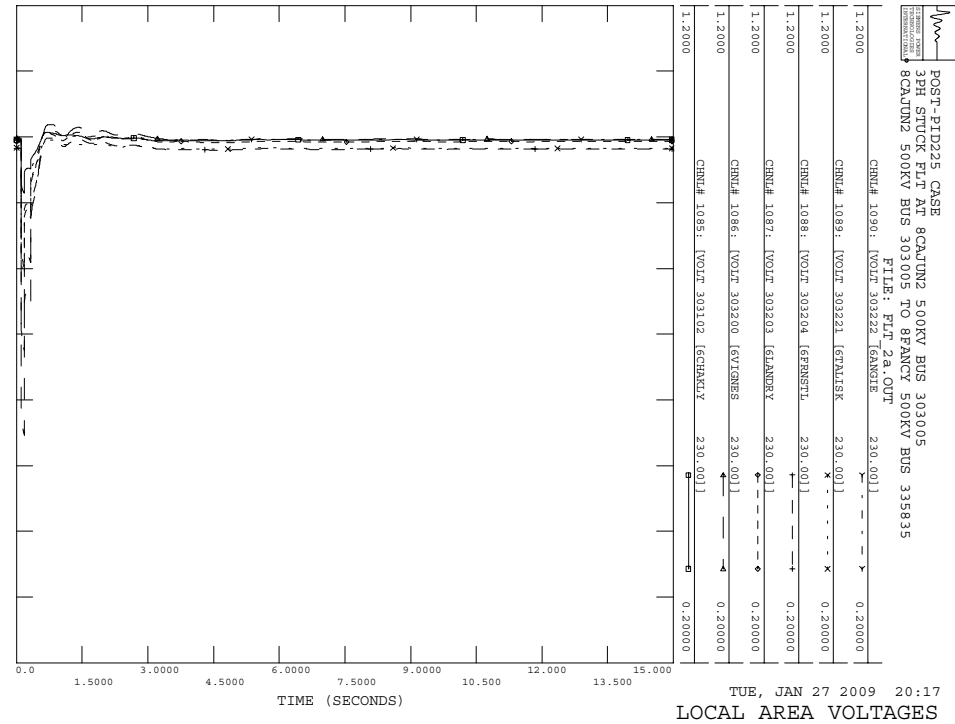
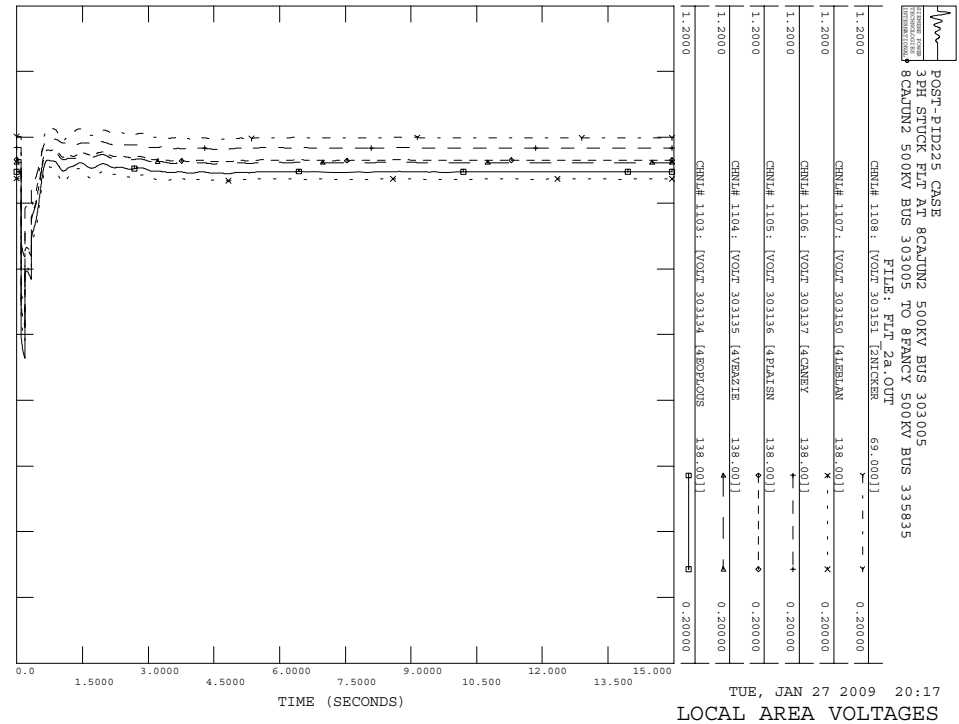
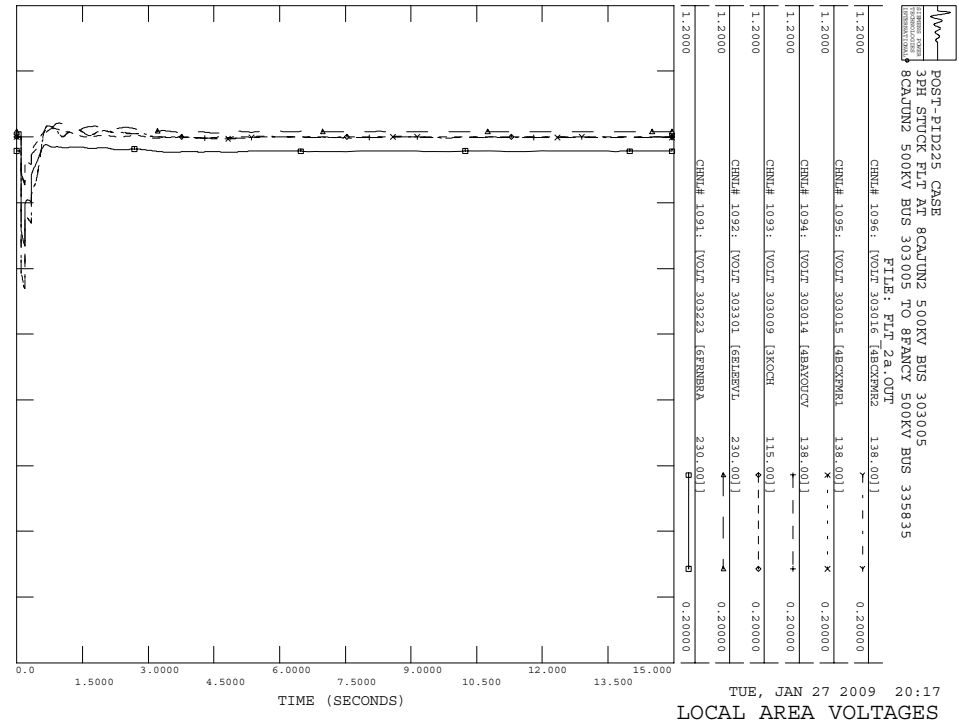


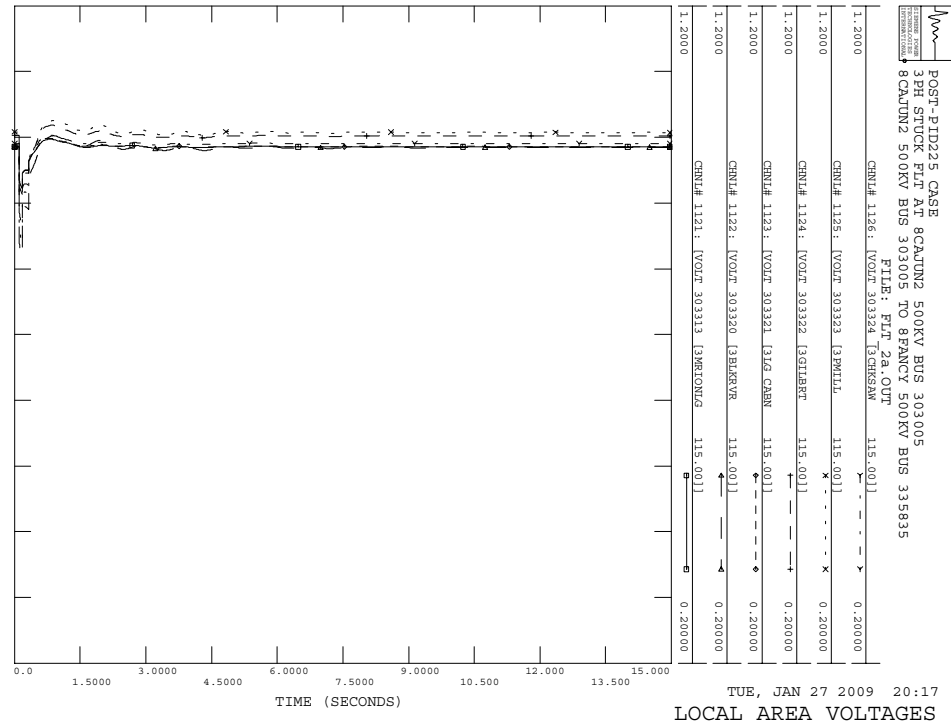
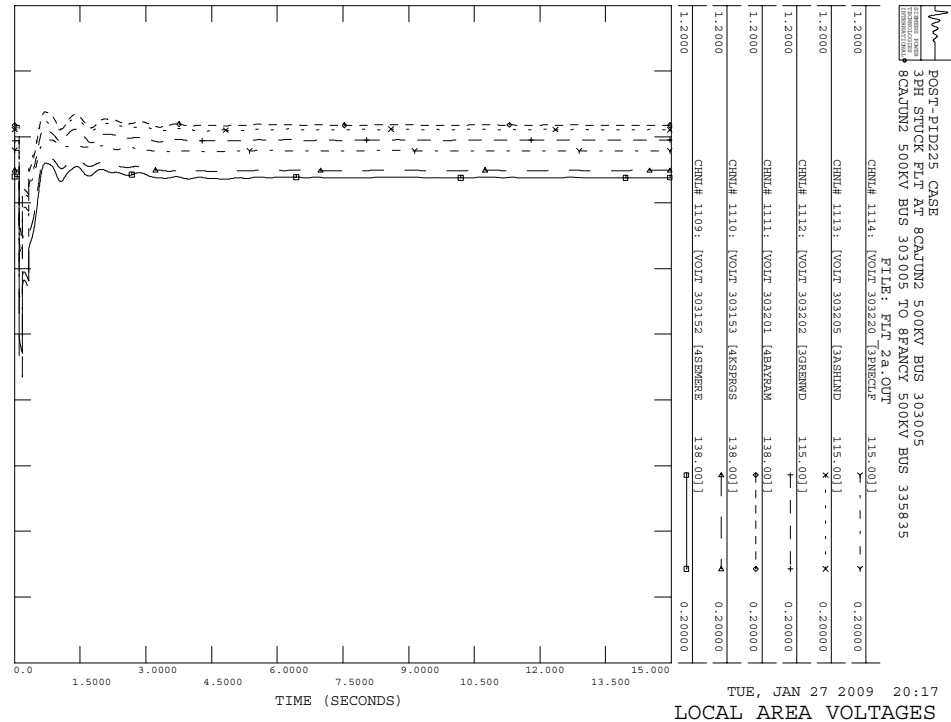
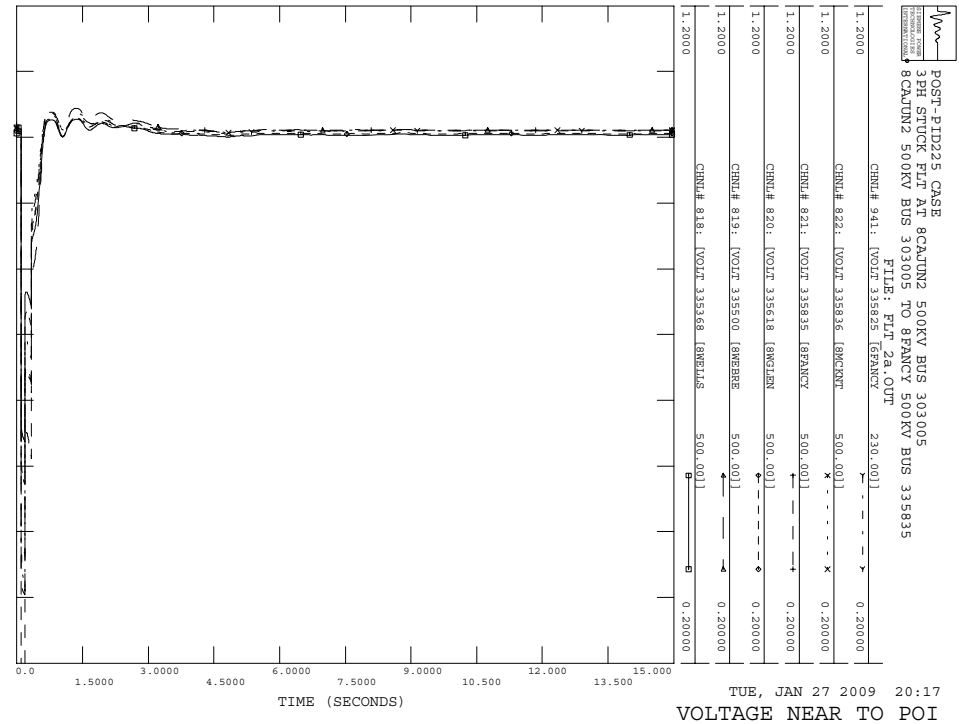
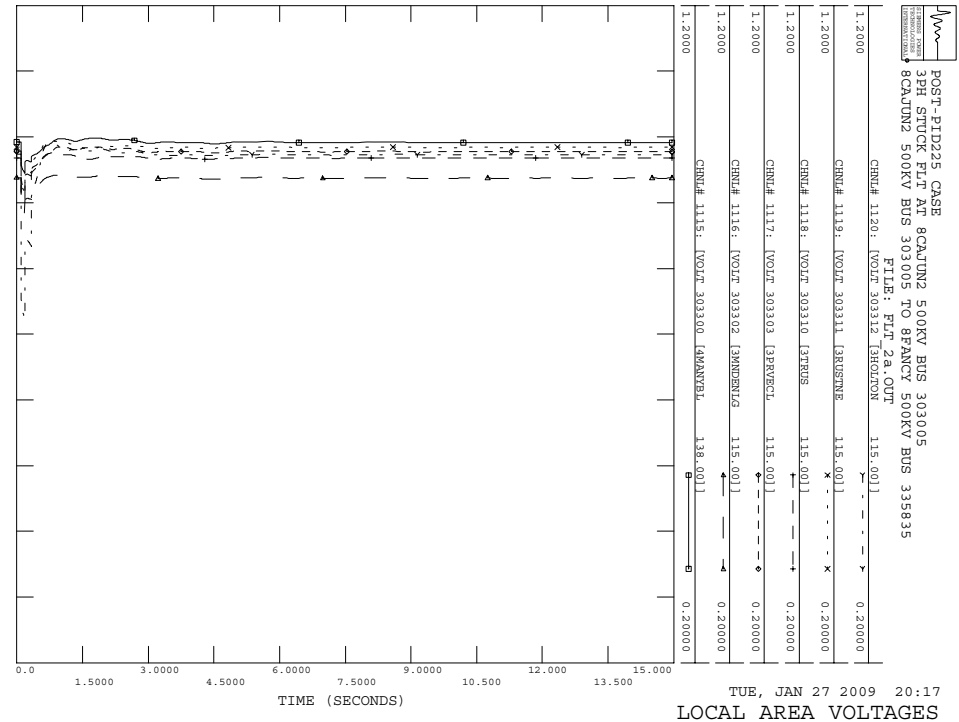




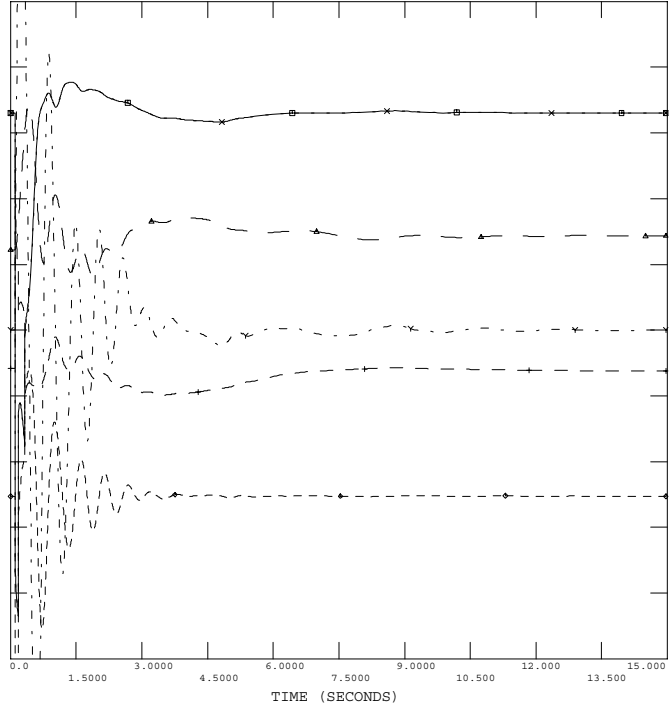
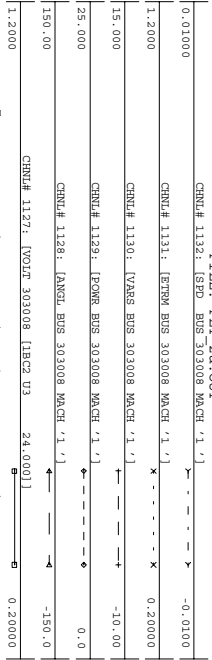








POST-PID25 CASE
3PH STOCK FLT AT 8CAJUN2 500KV BUS 303005
8CAJUN2 500KV BUS 303005 TO 8FANCY 500KV BUS 335835
FILE: FLT_24.001



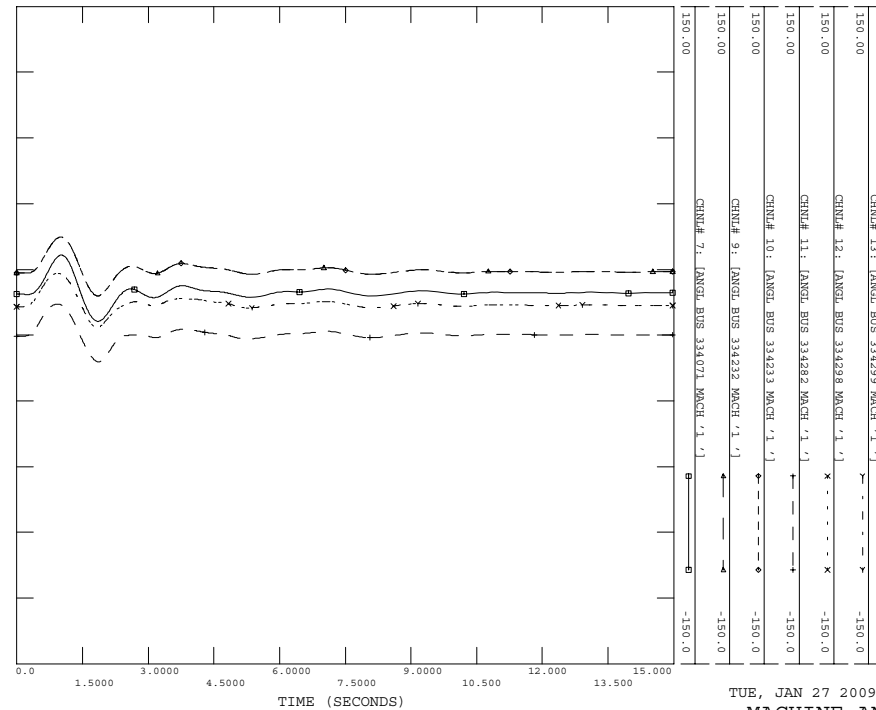
TUE, JAN 27 2009 20:17
PID-225 PLOTS

C.15 FLT_9a

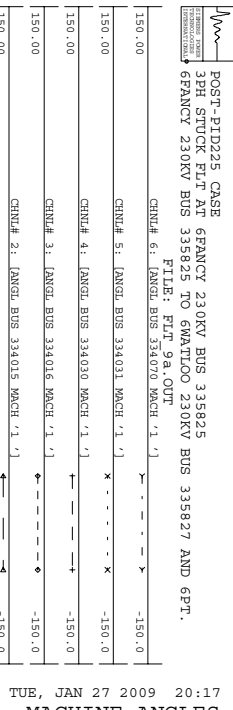
Stuck breaker fault on the 6FANCY (#335825) to 6WATLOO (#335827) 230 kV line, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping line from 6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 6PT.HUD 230KV BUS 335815

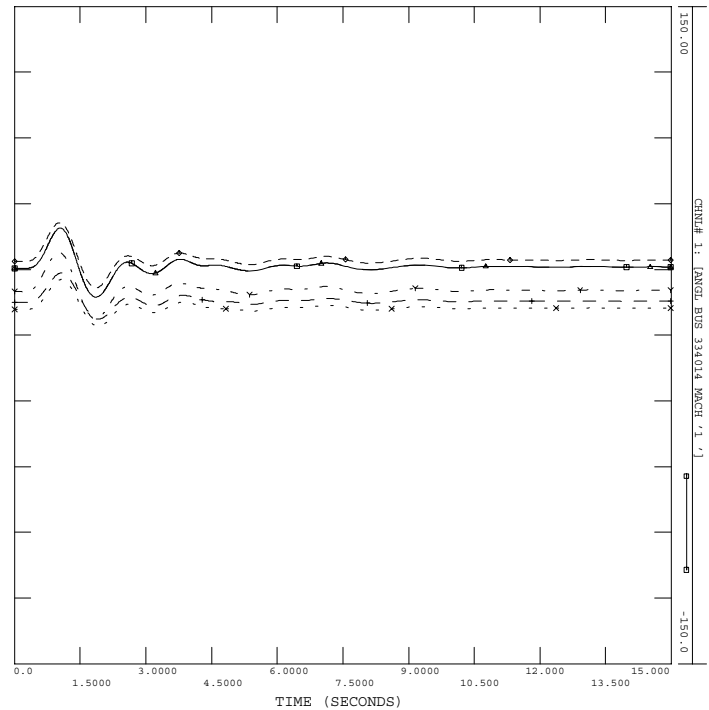
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



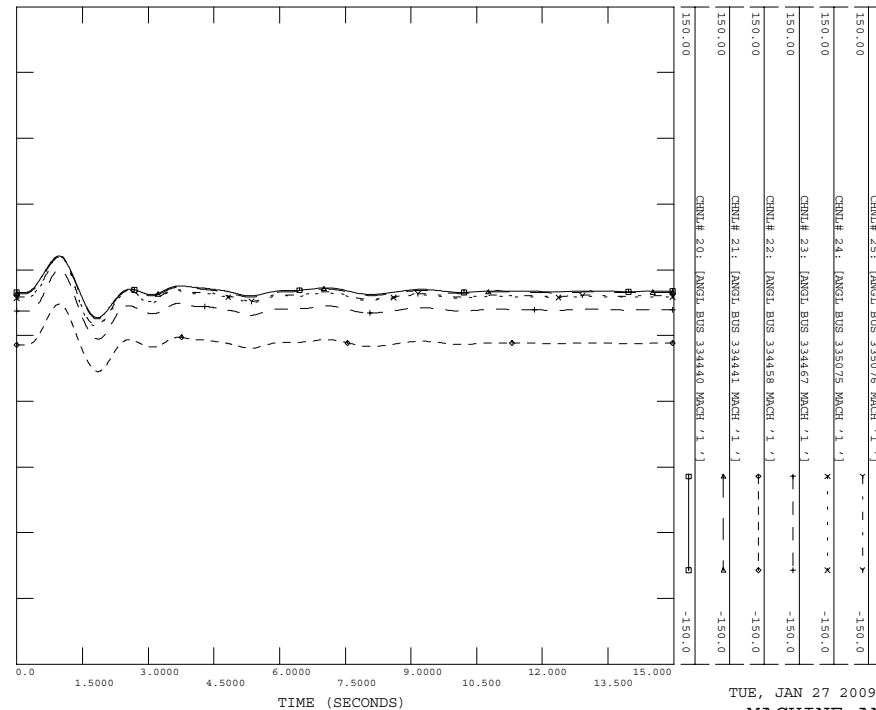
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



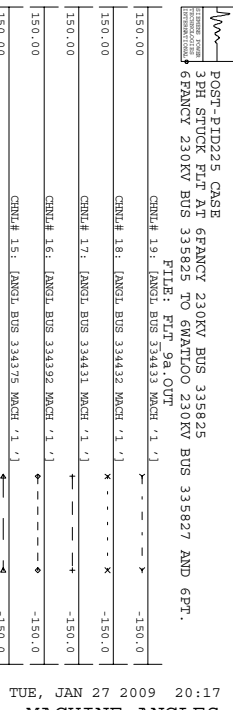
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



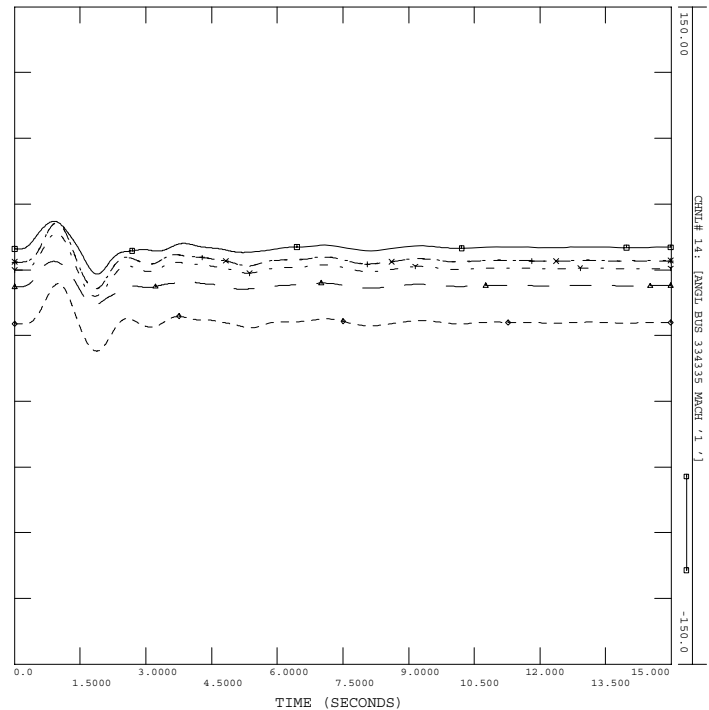
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



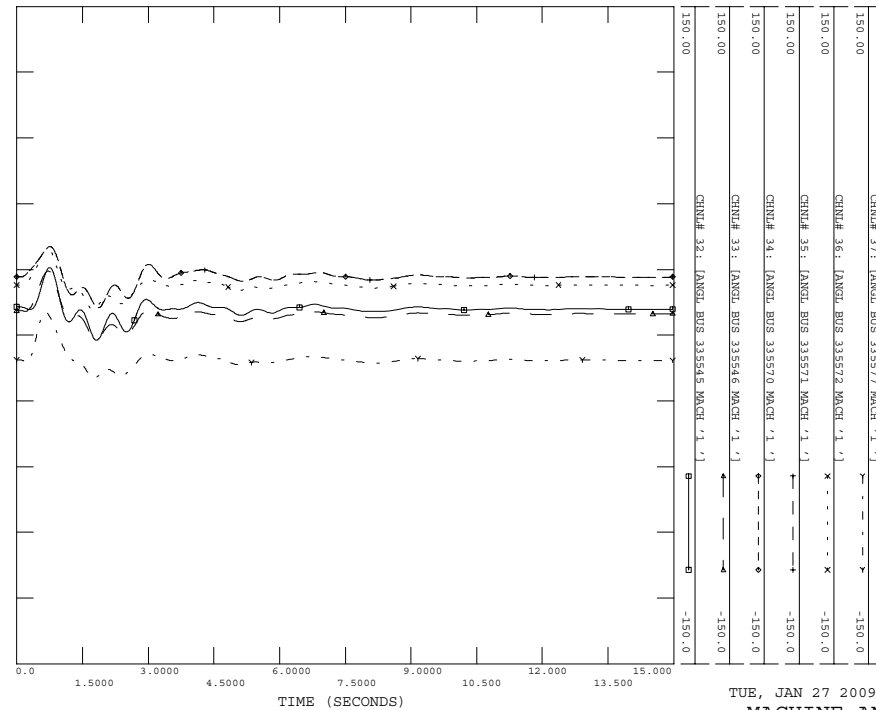
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



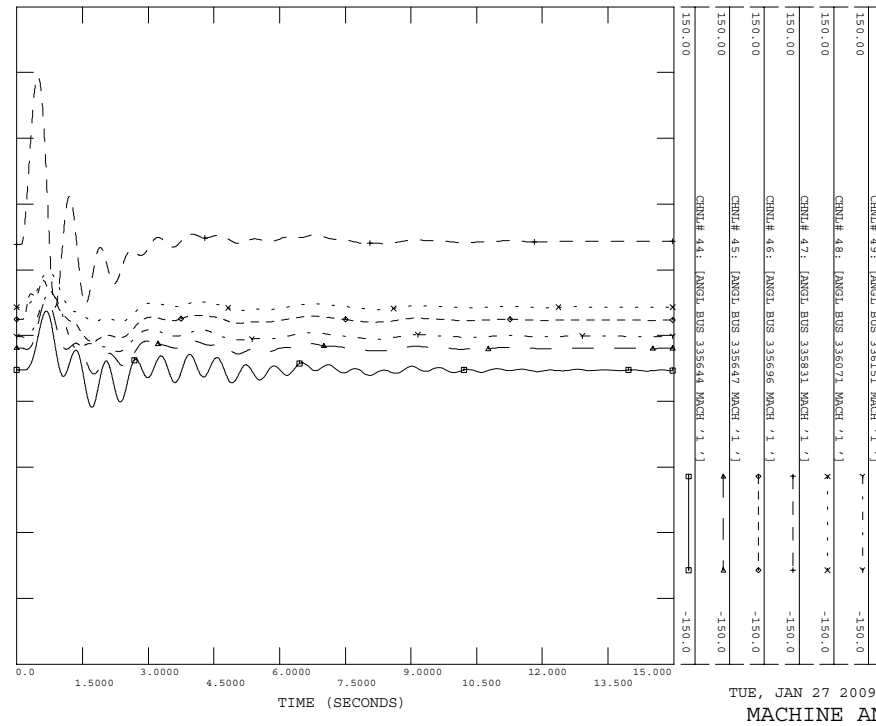
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



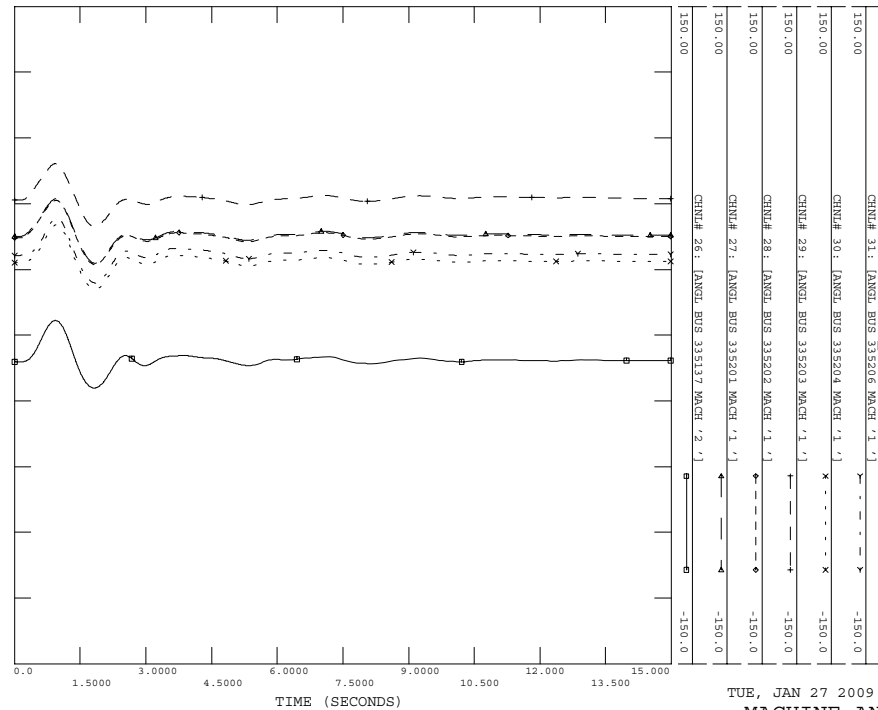
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT



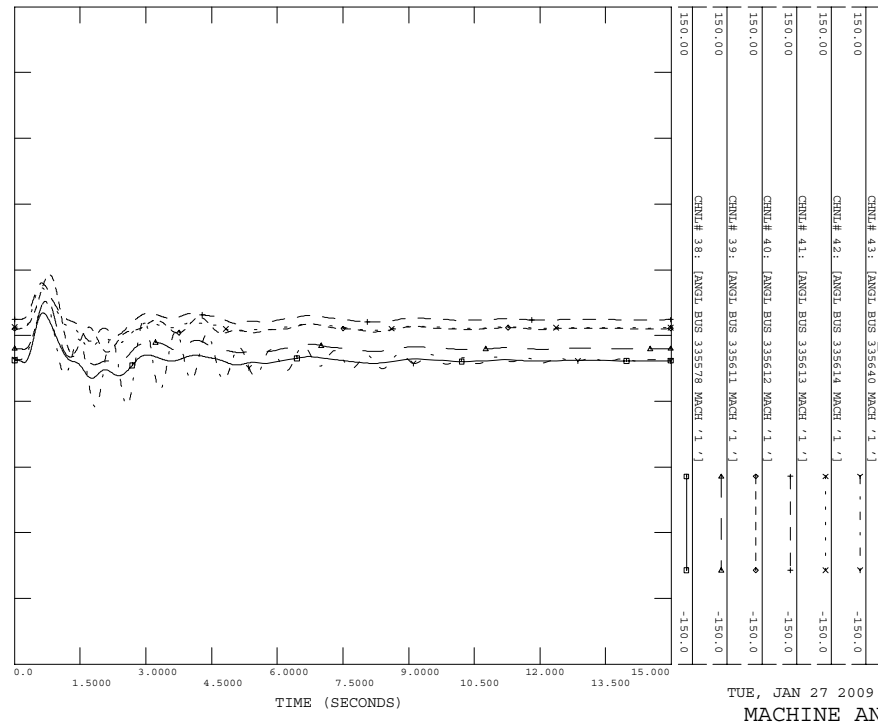
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT



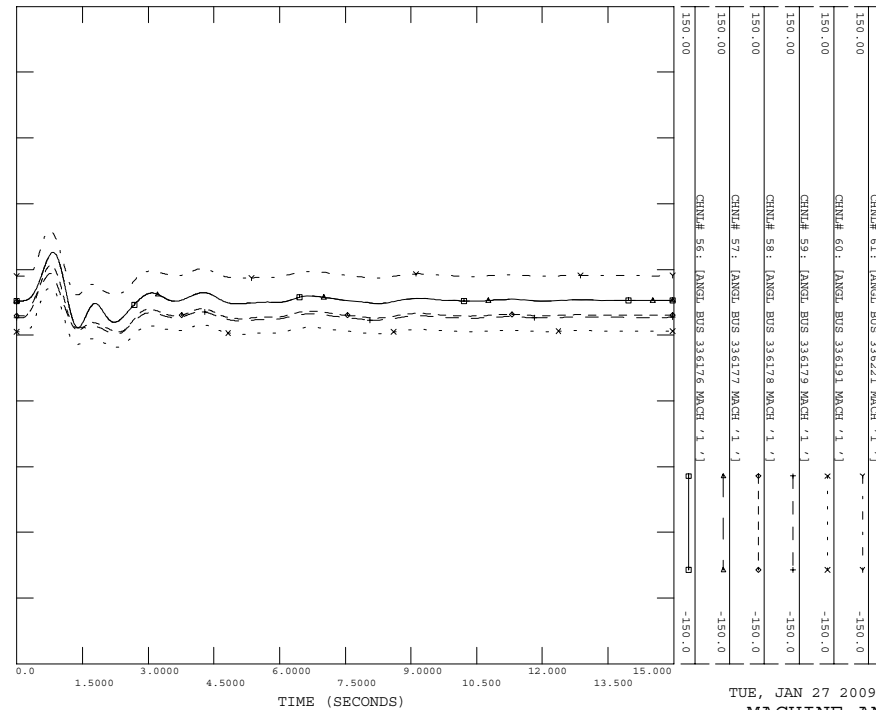
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT



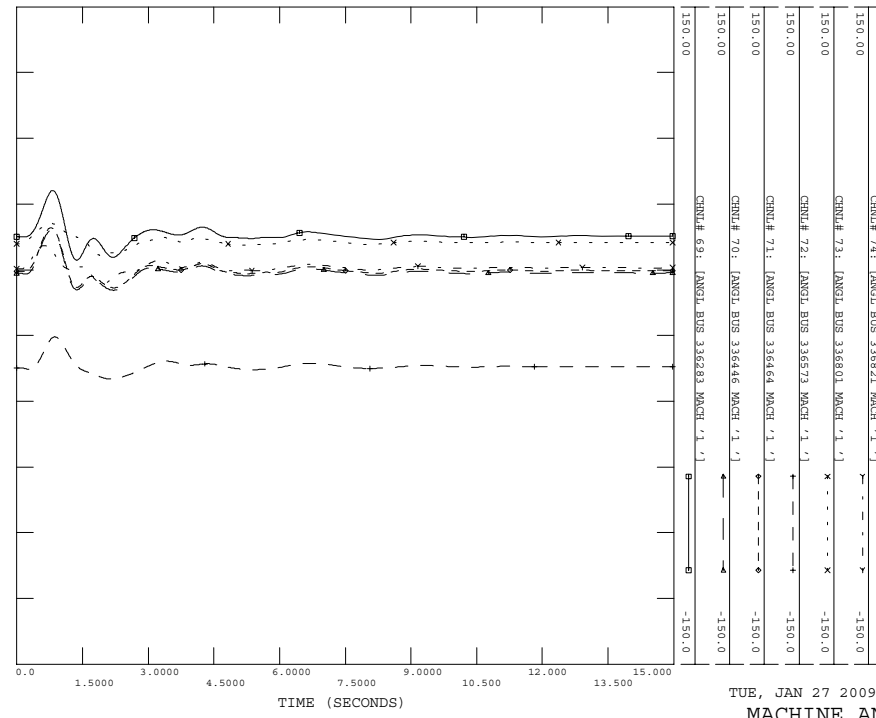
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT



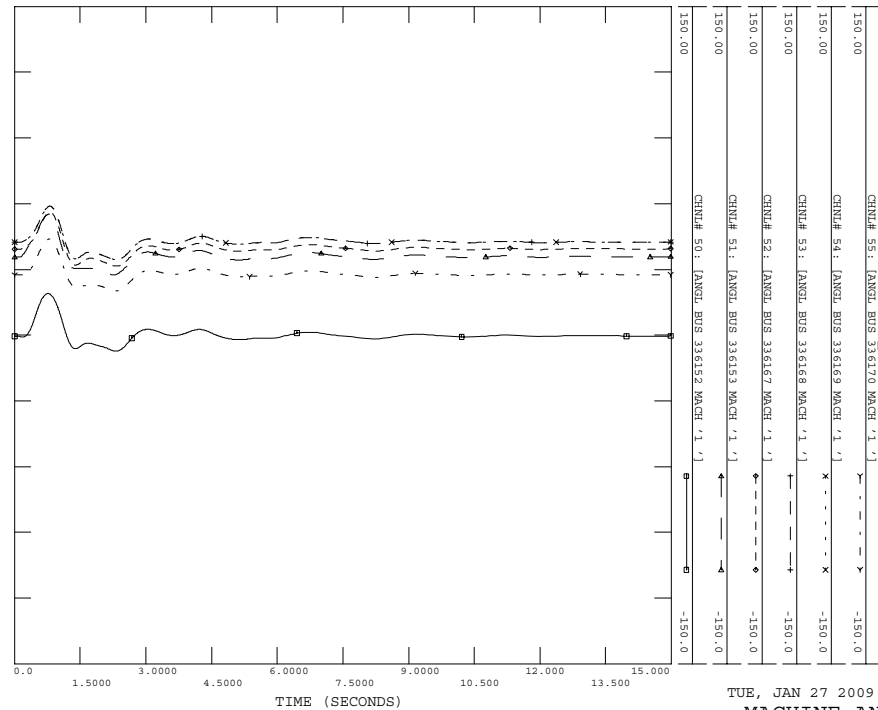
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



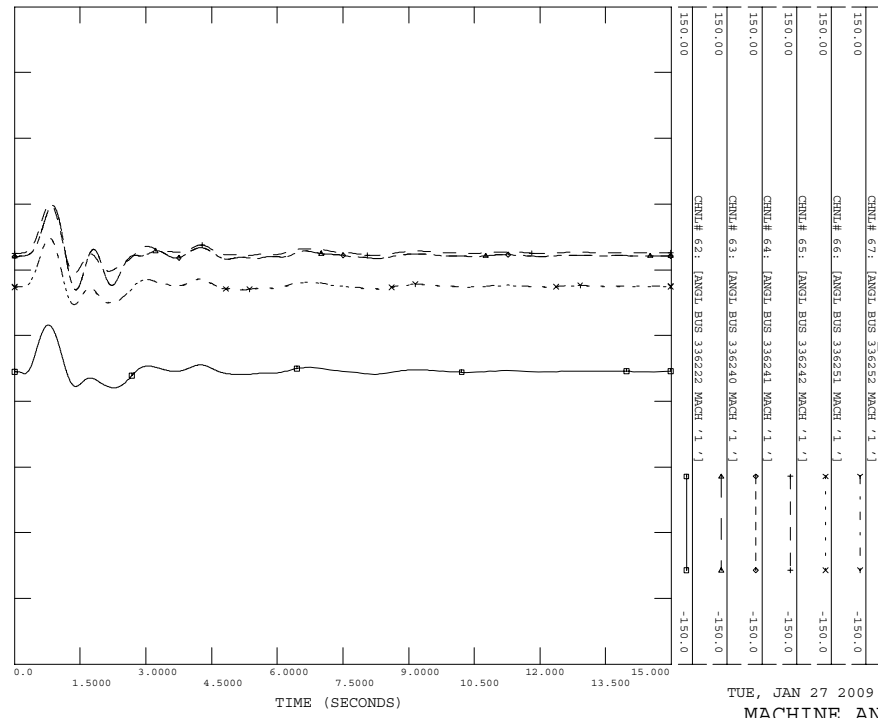
POST-PTD25 CASE
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6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9A.OUT



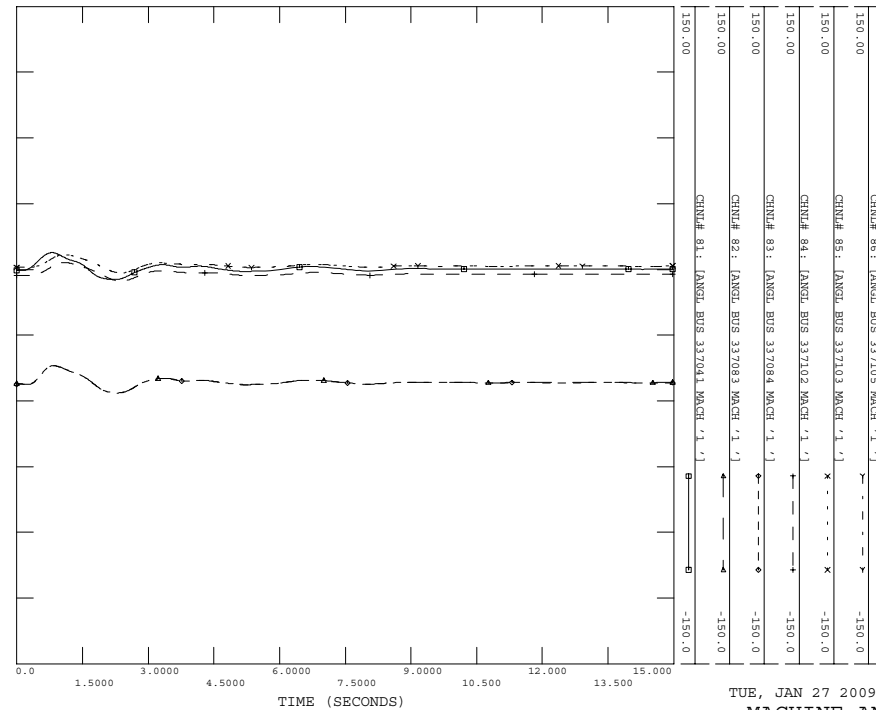
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FILE: FLT_9A.OUT



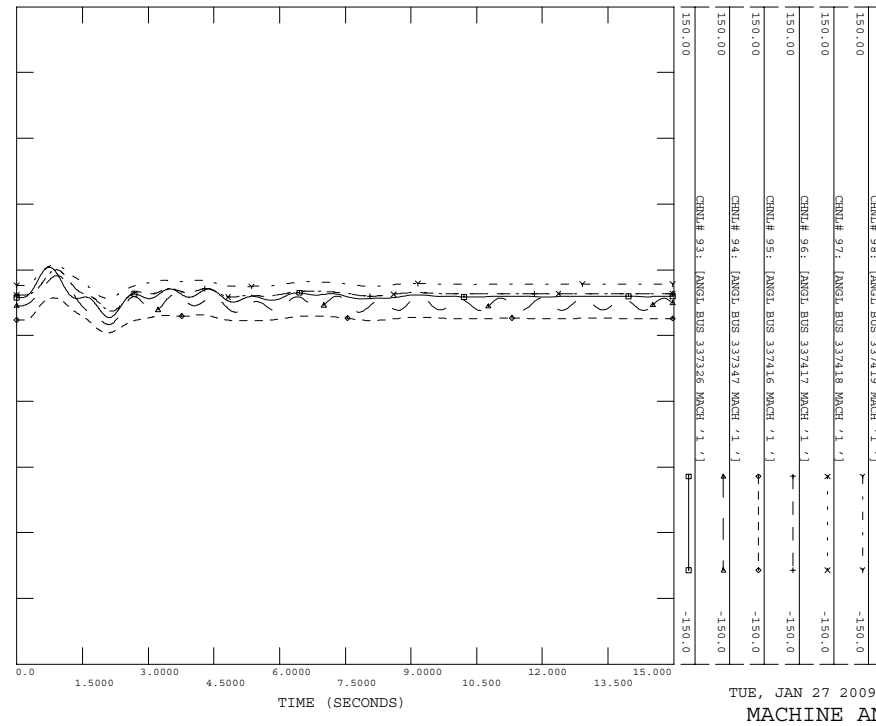
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FILE: FLT_9A.OUT



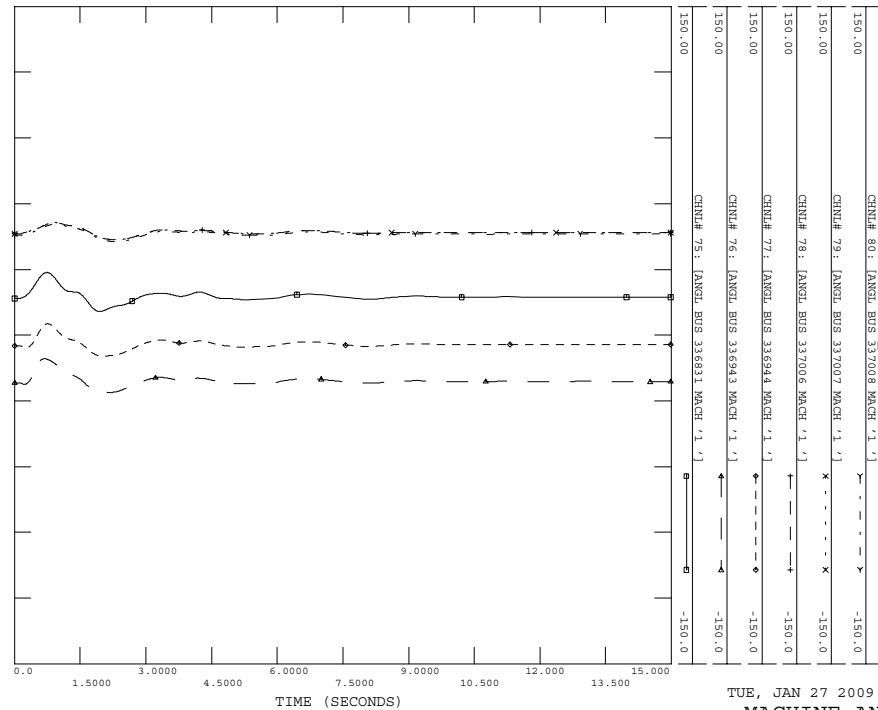
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FILE: FLT_9A.OUT



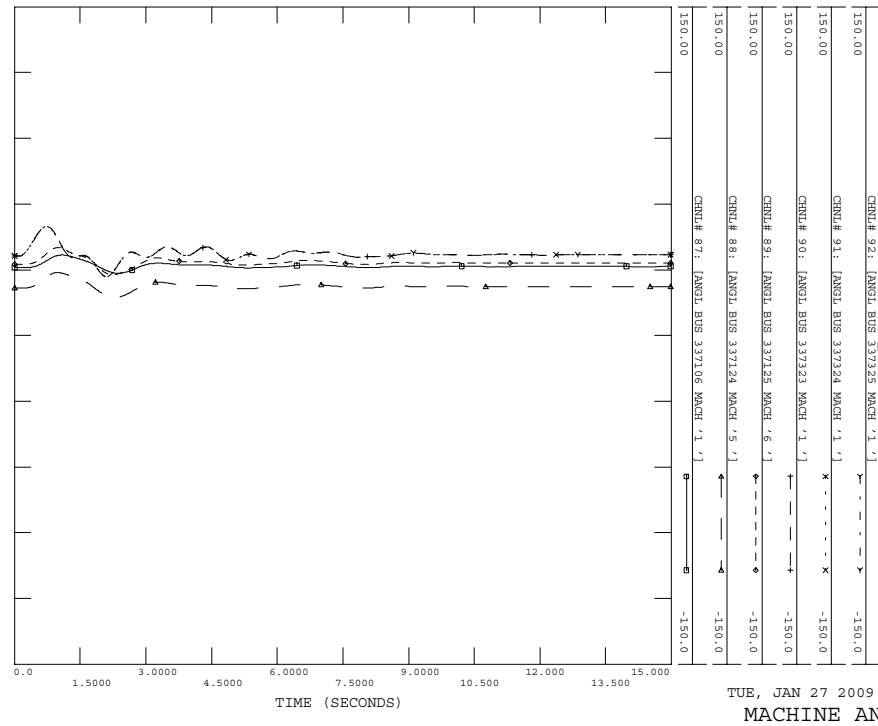
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FILE: FLT_9A.OUT



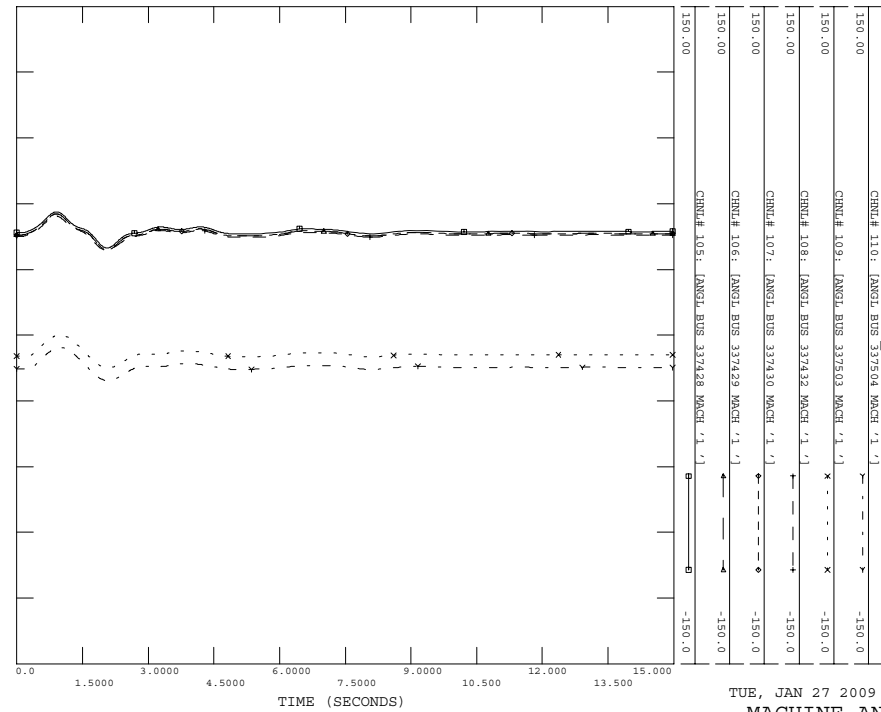
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FILE: FLT_9A.OUT



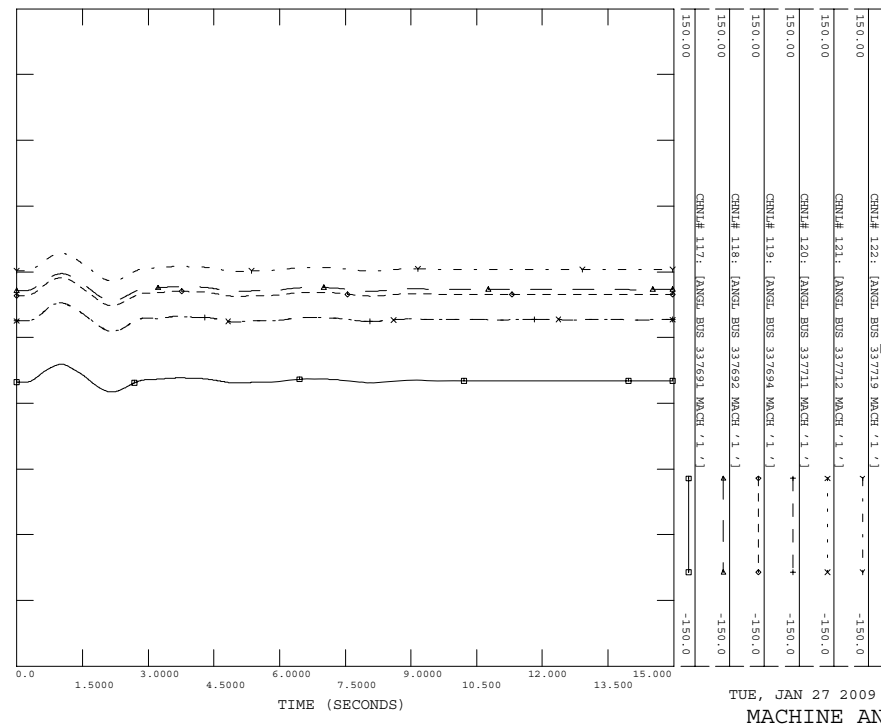
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FILE: FLT_9A.OUT



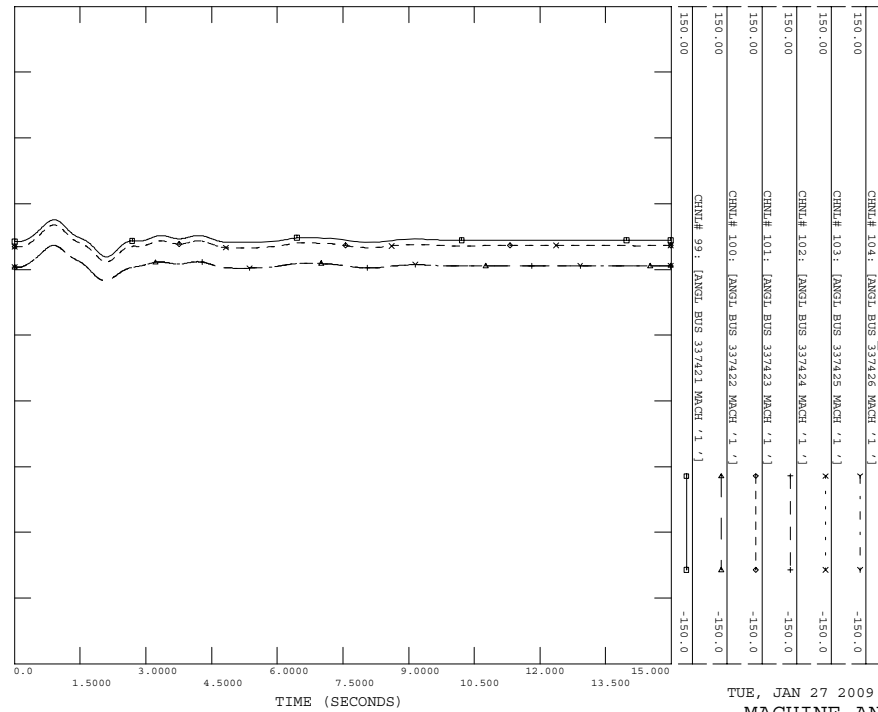
POST-PID225 CASE
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FILE: FLT_9A.OUT



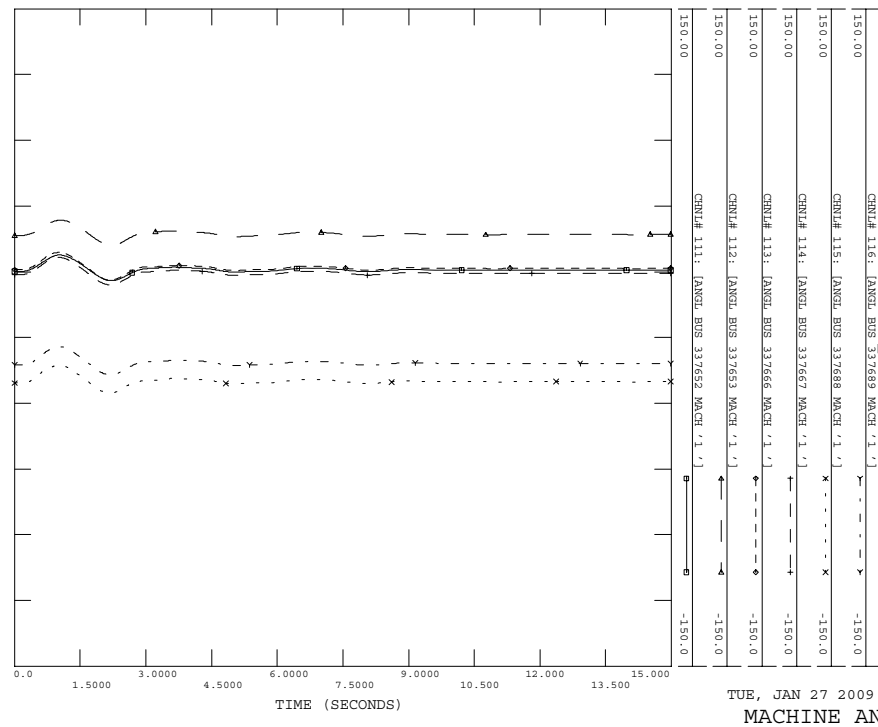
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FILE: FLT_9A.OUT



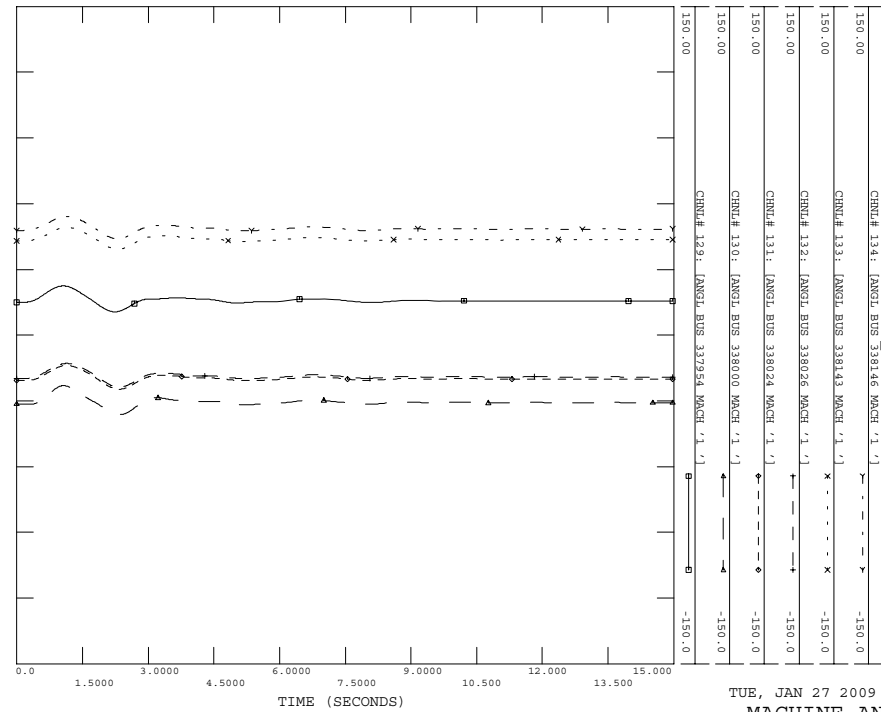
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FILE: FLT_9A.OUT



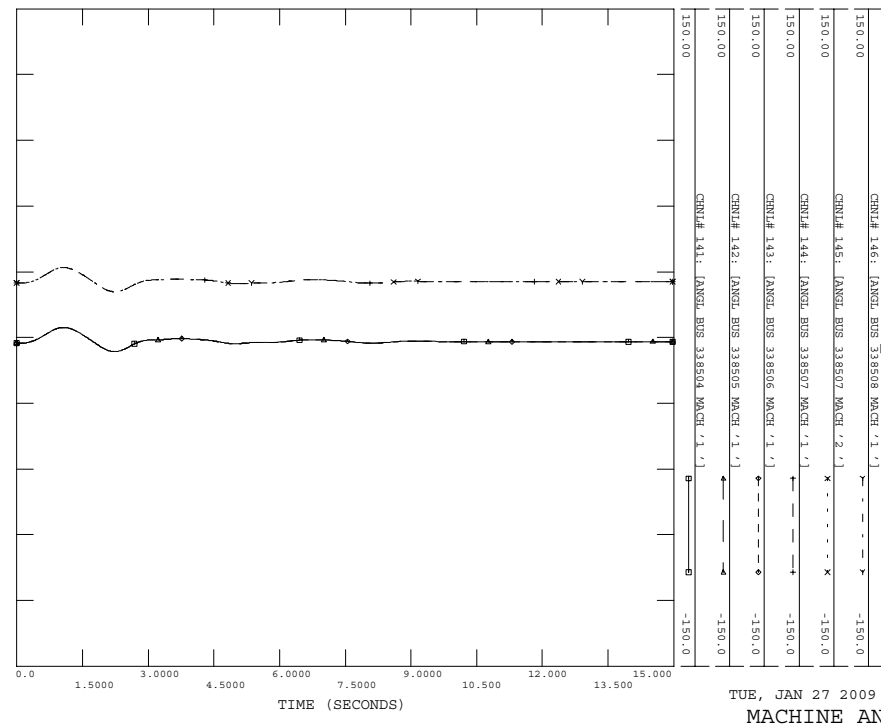
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FILE: FLT_9A.OUT



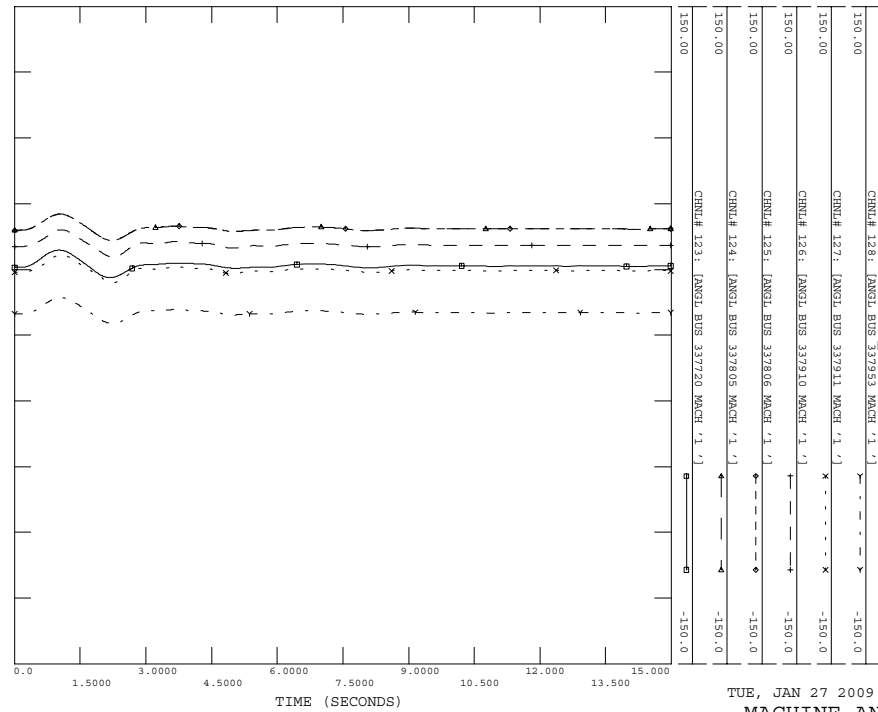
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FILE: FLT_9a.OUT



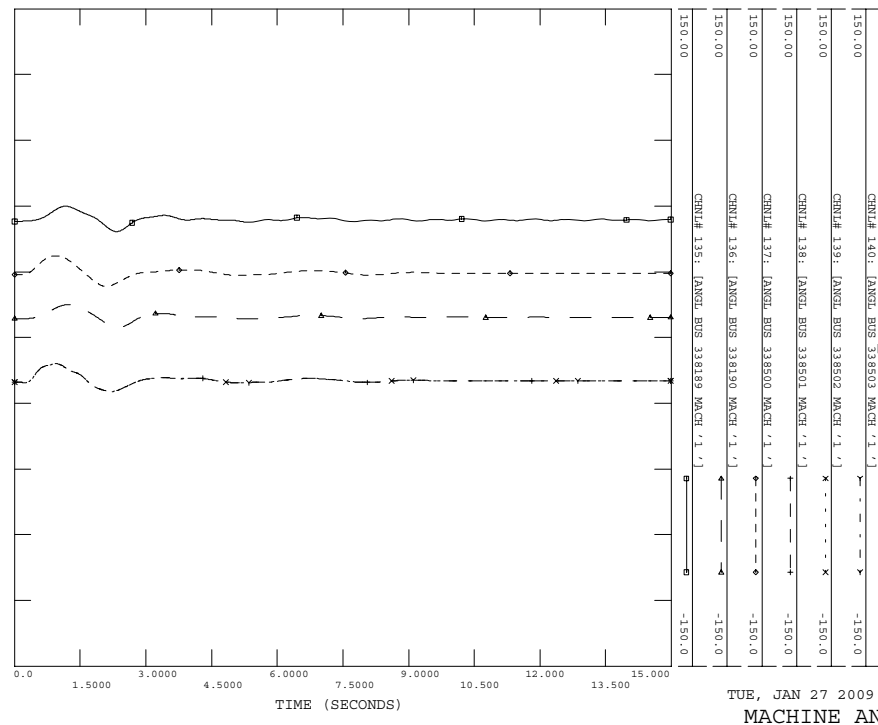
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FILE: FLT_9a.OUT



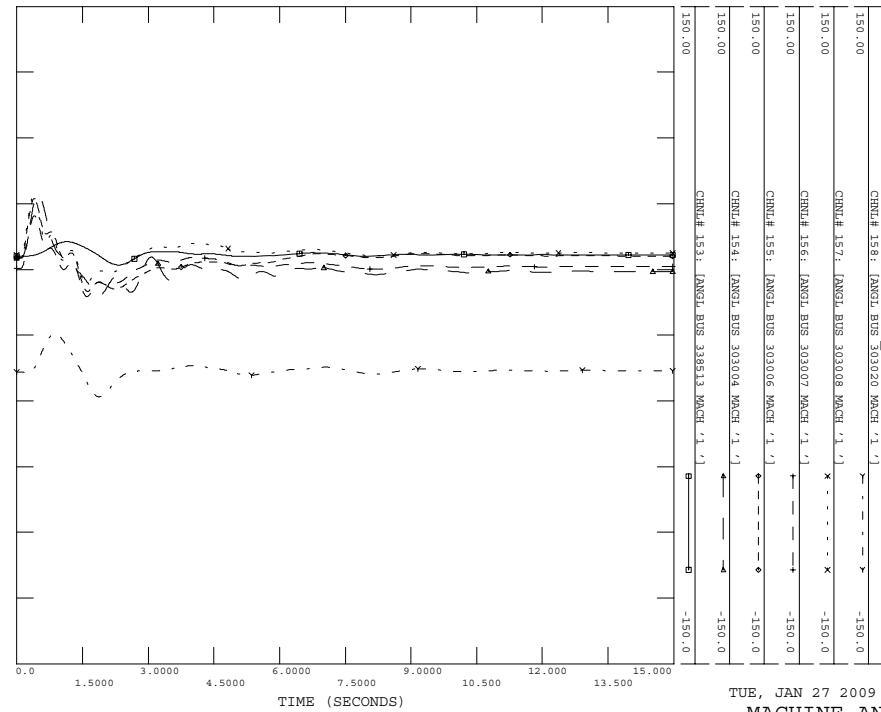
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FILE: FLT_9a.OUT



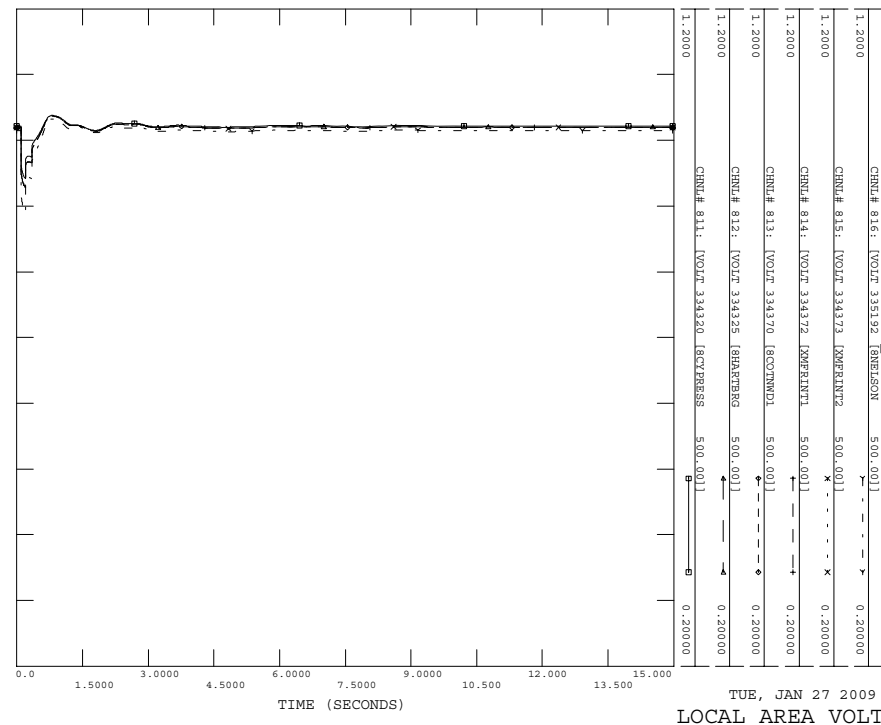
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FILE: FLT_9a.OUT



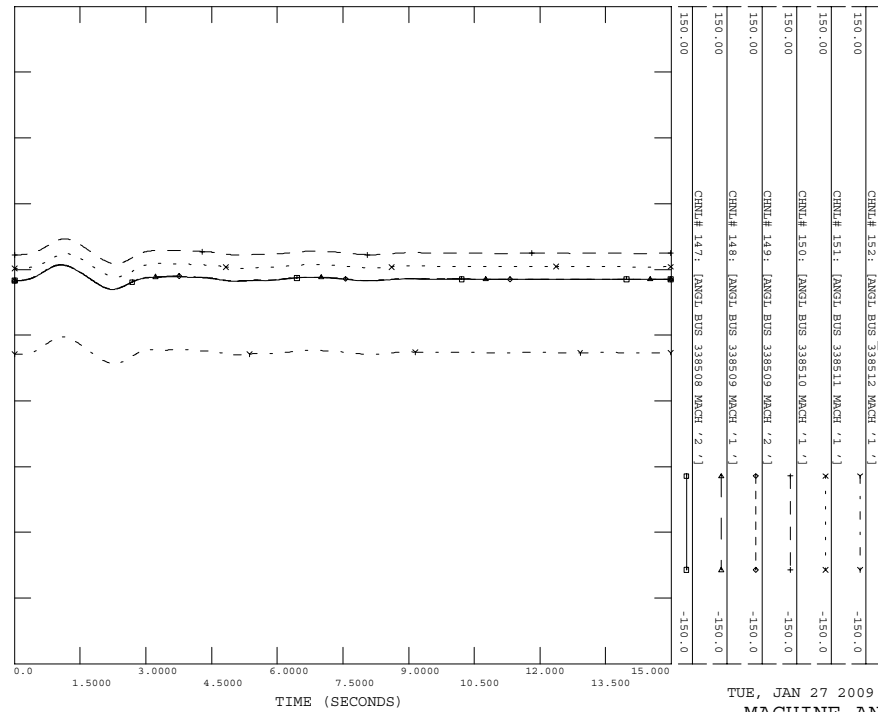
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6FANCY 230KV BUS 335825 TO 6MATID00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT



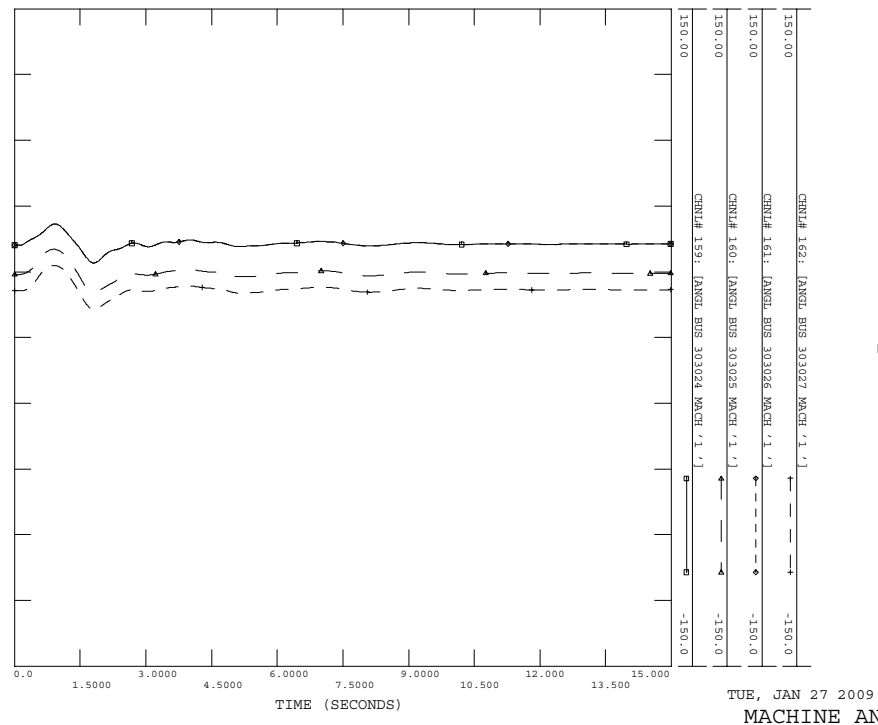
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FILE: FLT_9a.OUT



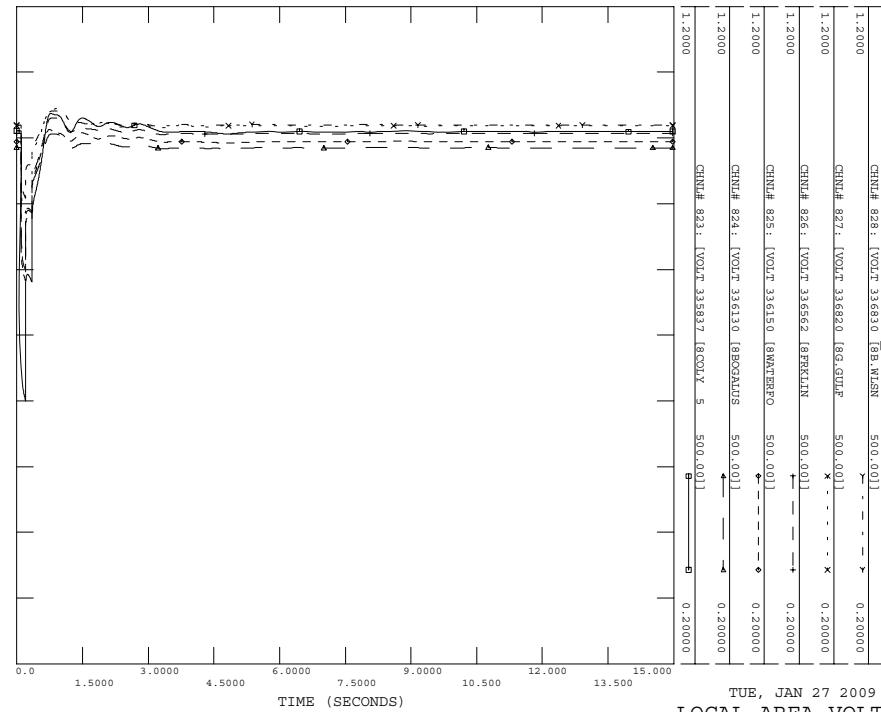
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FILE: FLT_9a.OUT



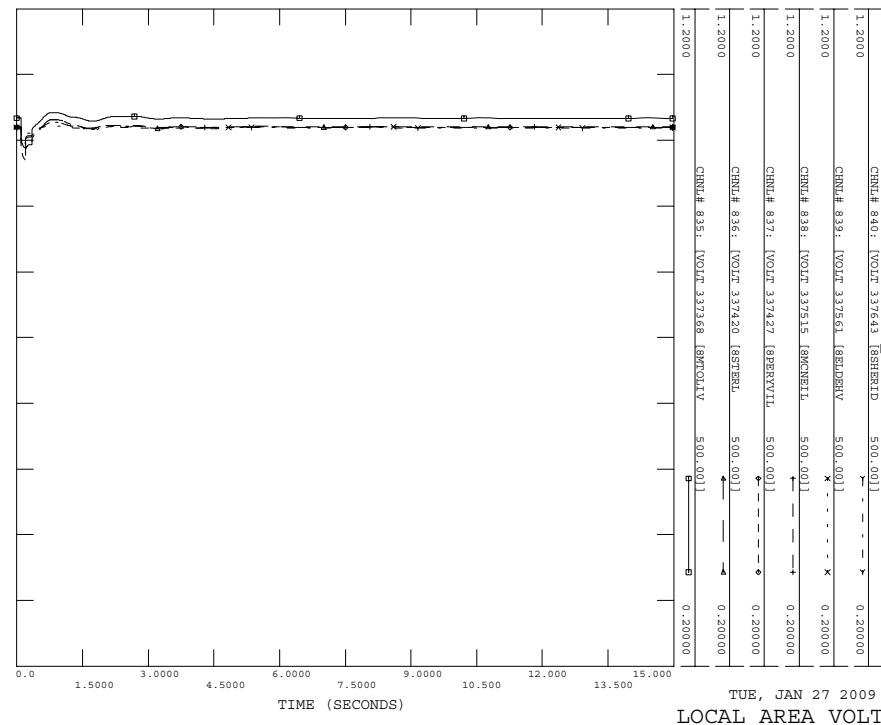
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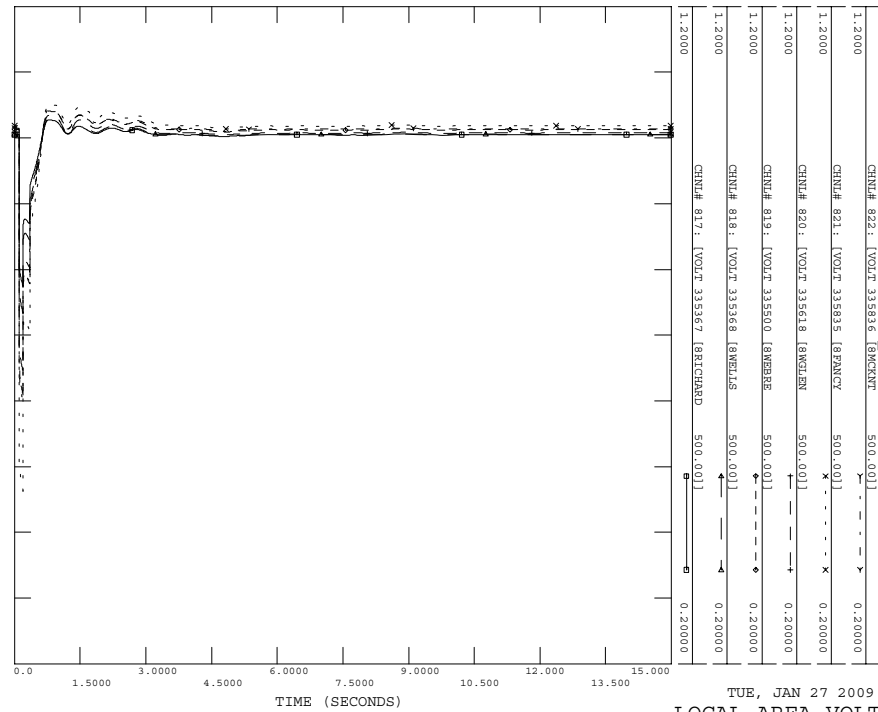
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FILE: FLT 9a.OUT



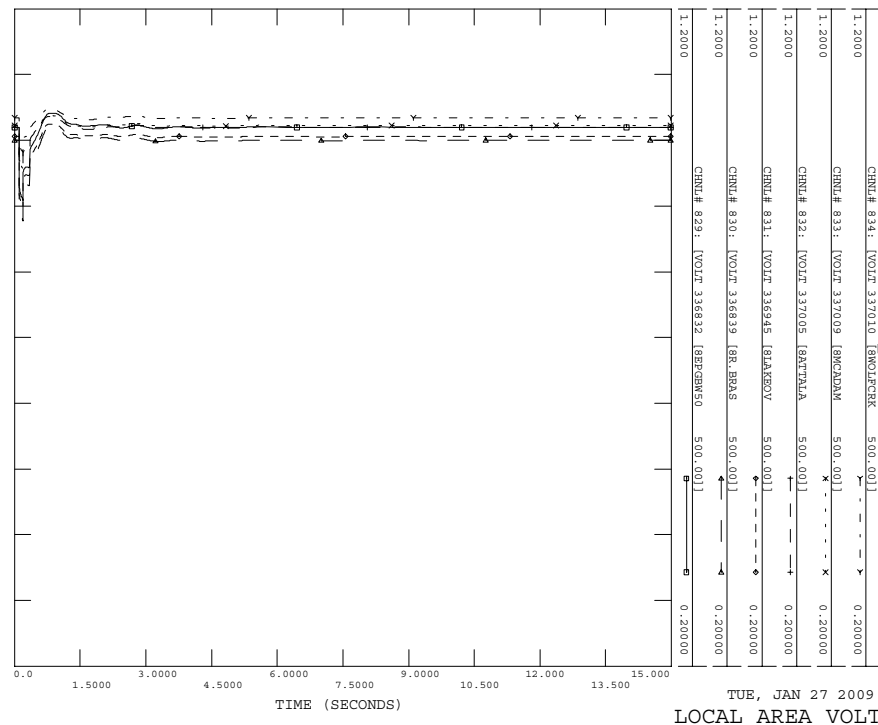
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FILE: FLT 9a.OUT

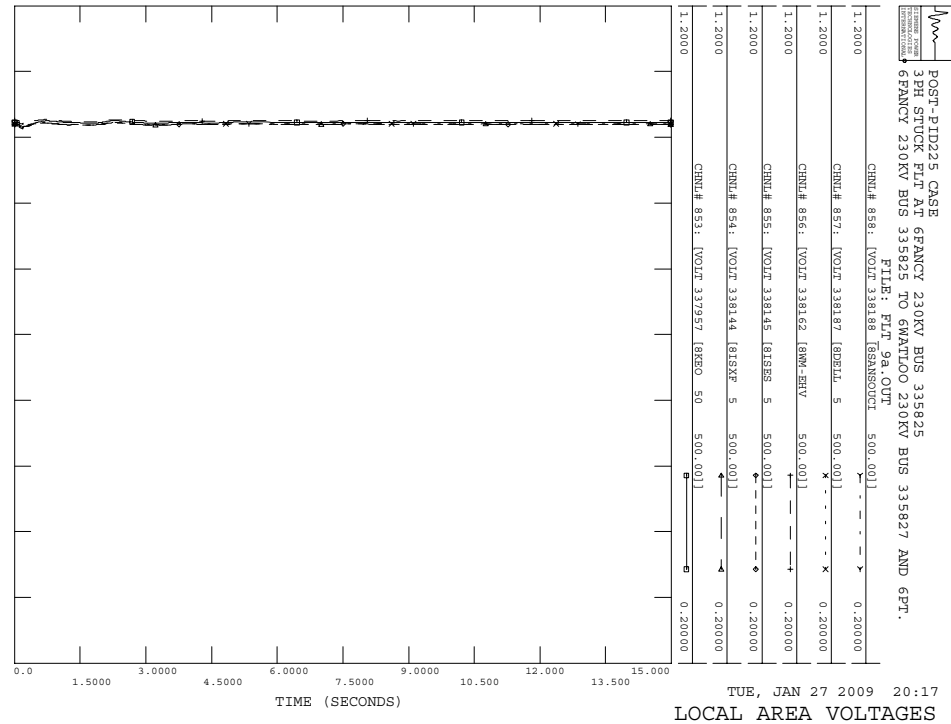
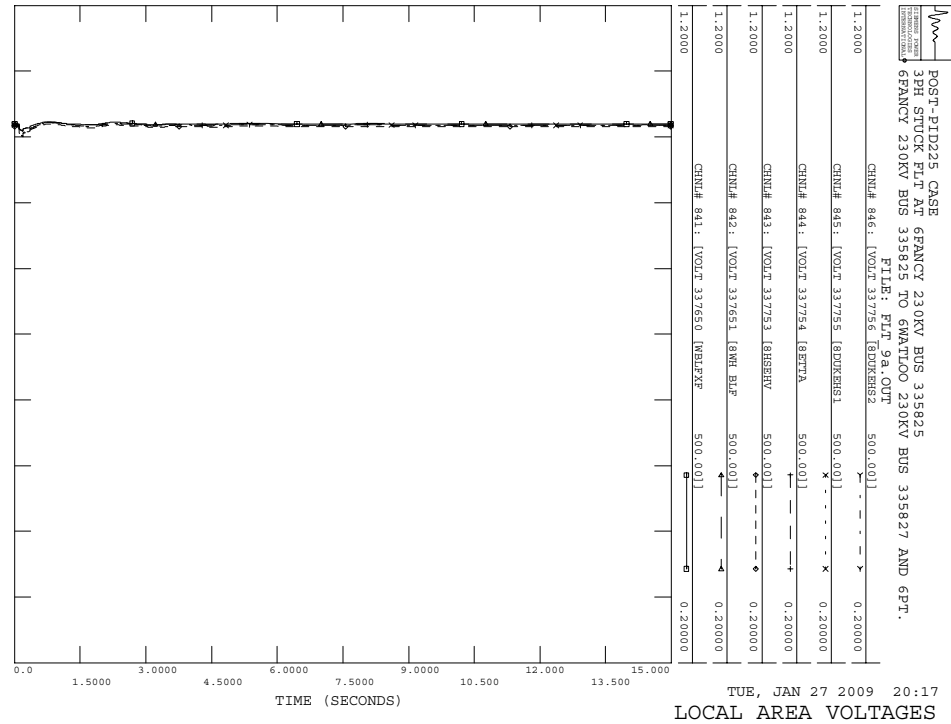
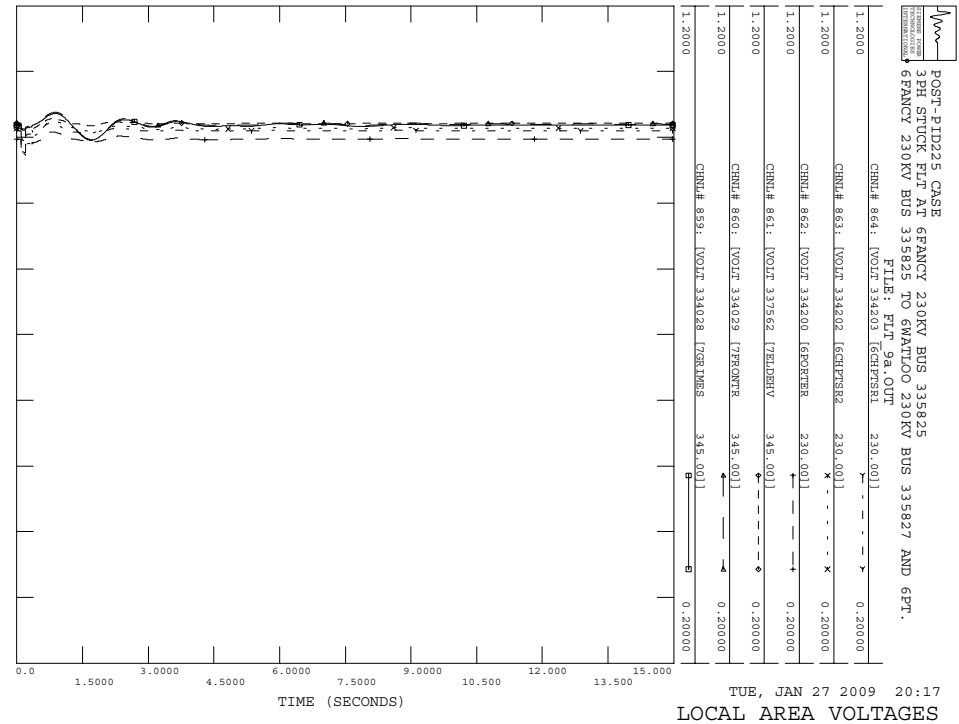
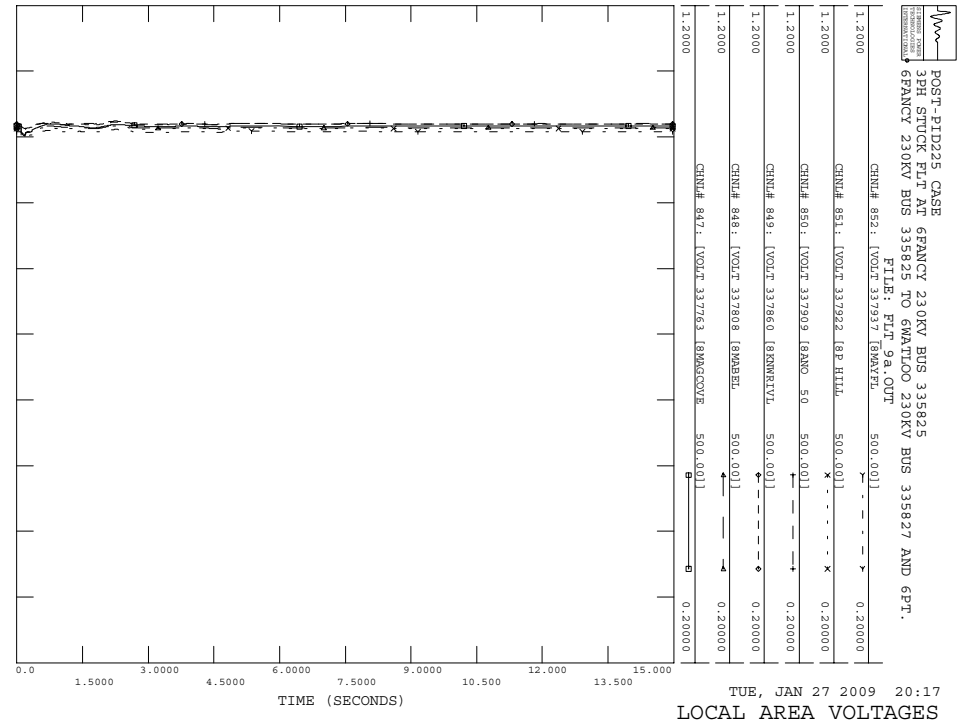


POST-PID225 CASE
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FILE: FLT 9a.OUT

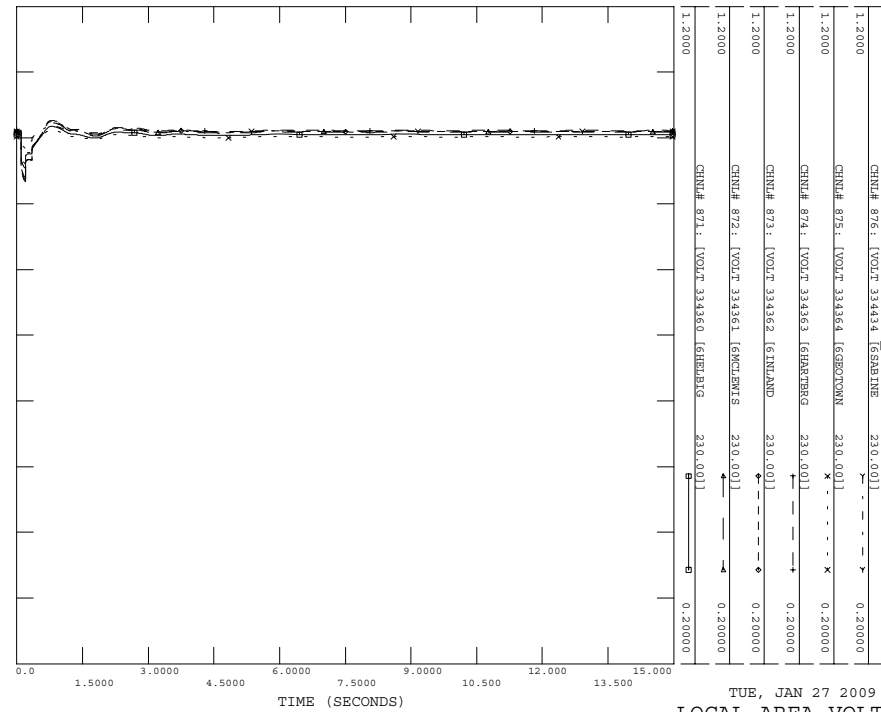


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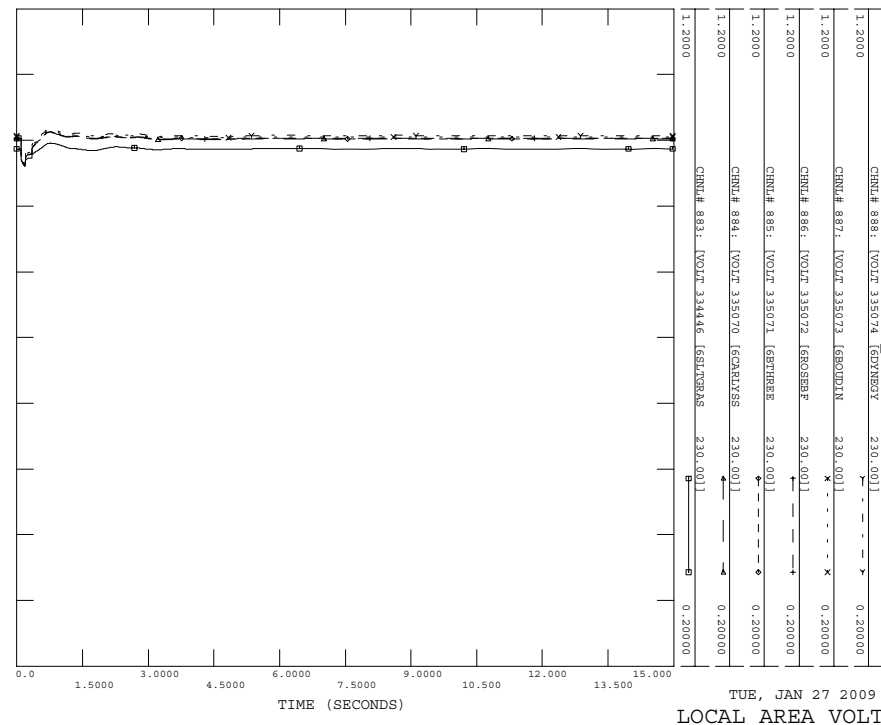




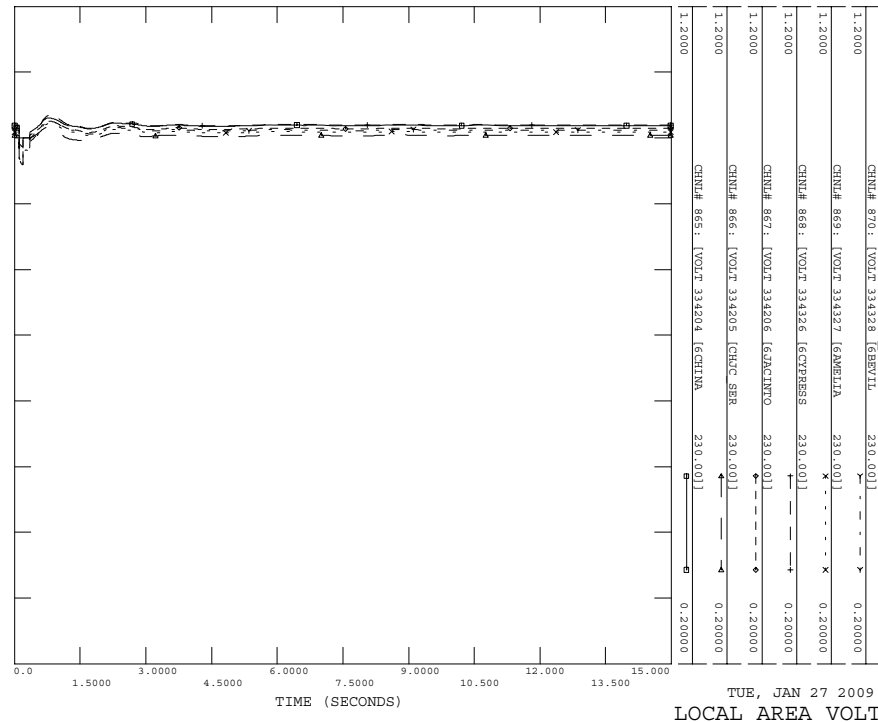
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FILE: FLT 9a.OUT



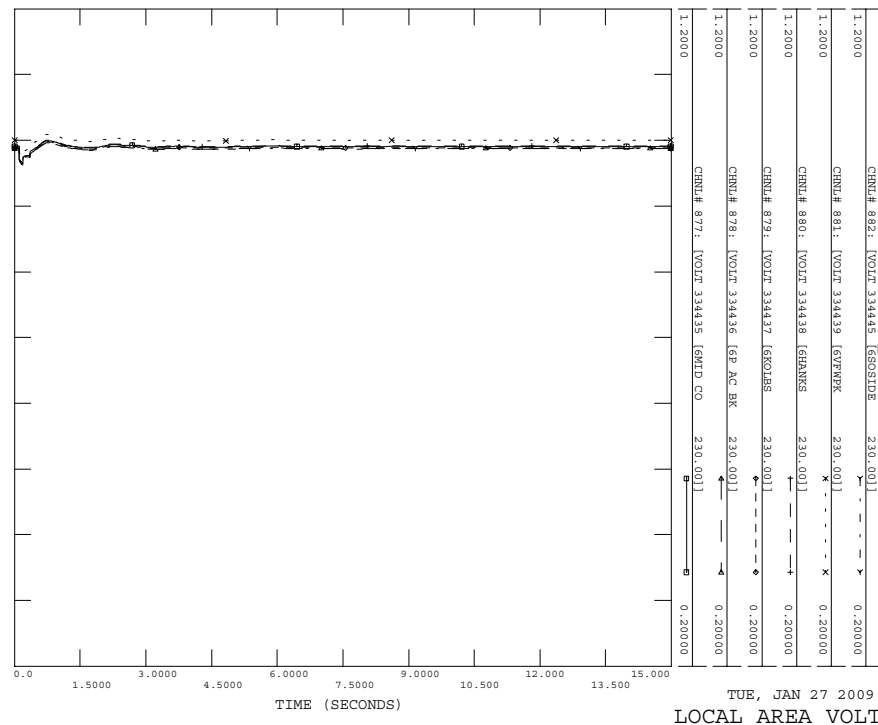
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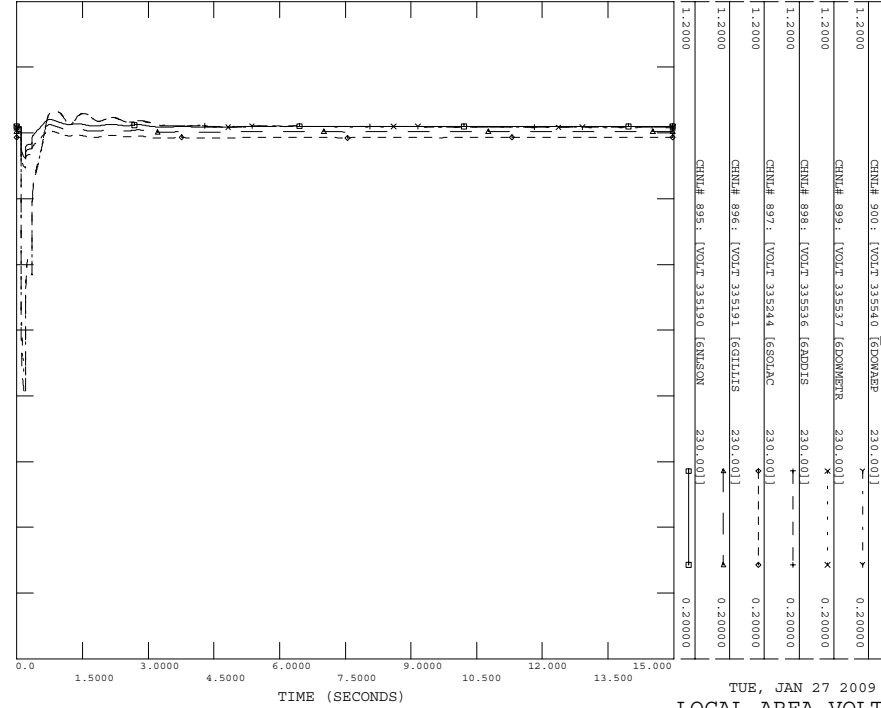
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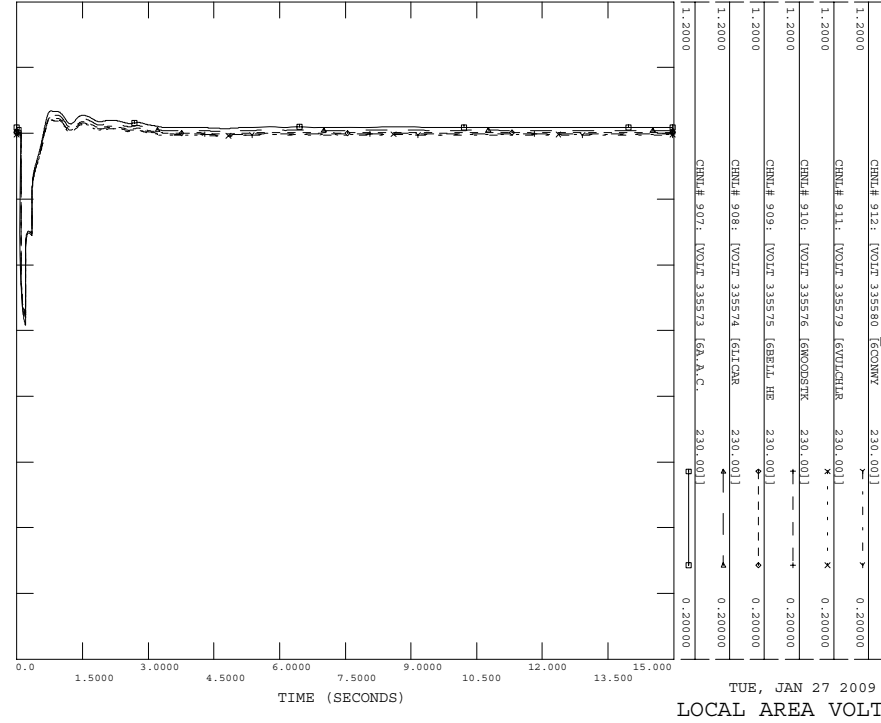
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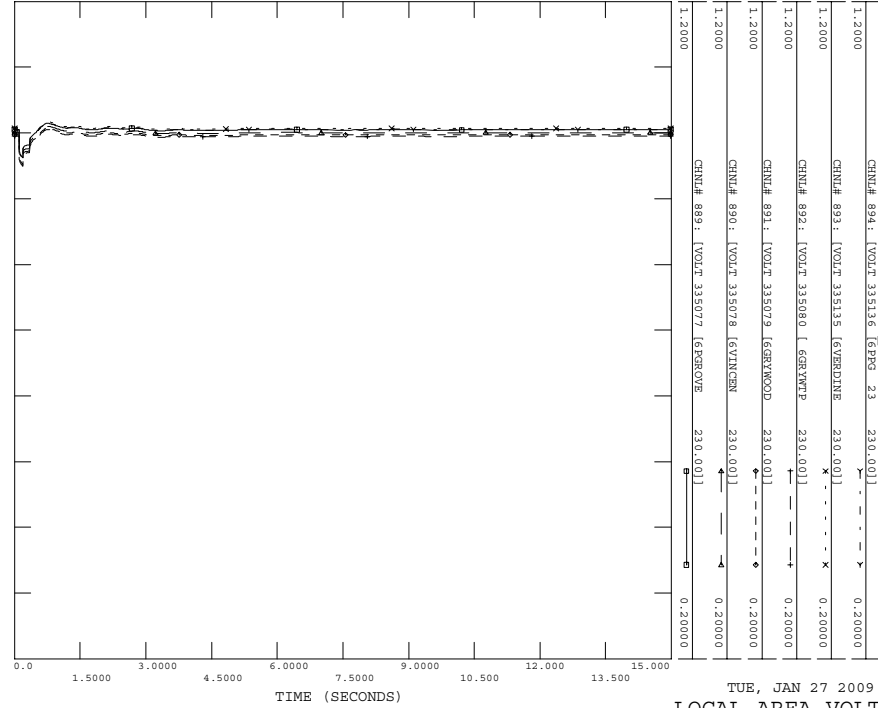
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FILE: FLT_9A.OUT



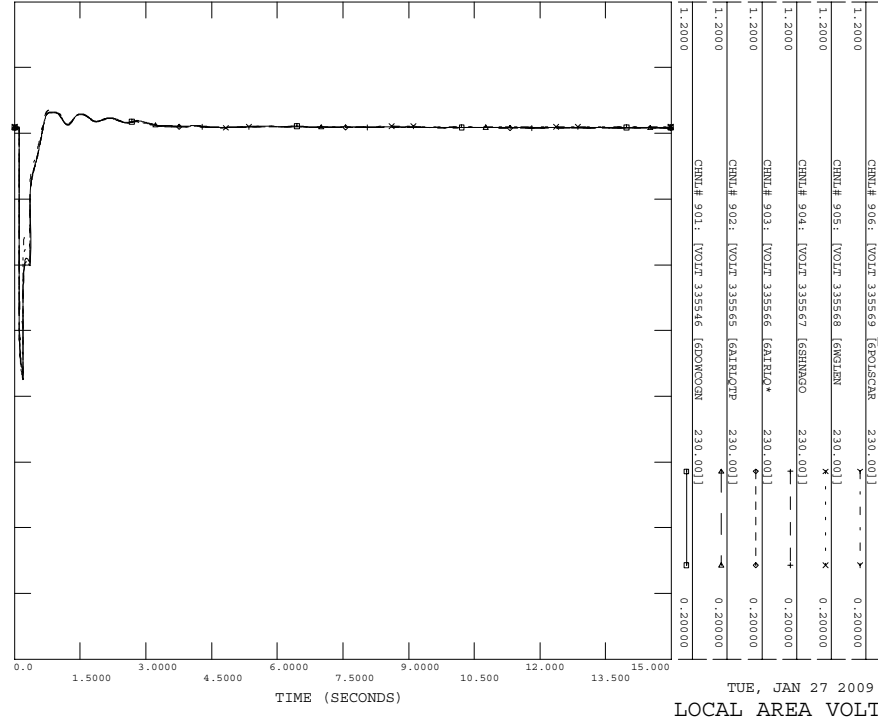
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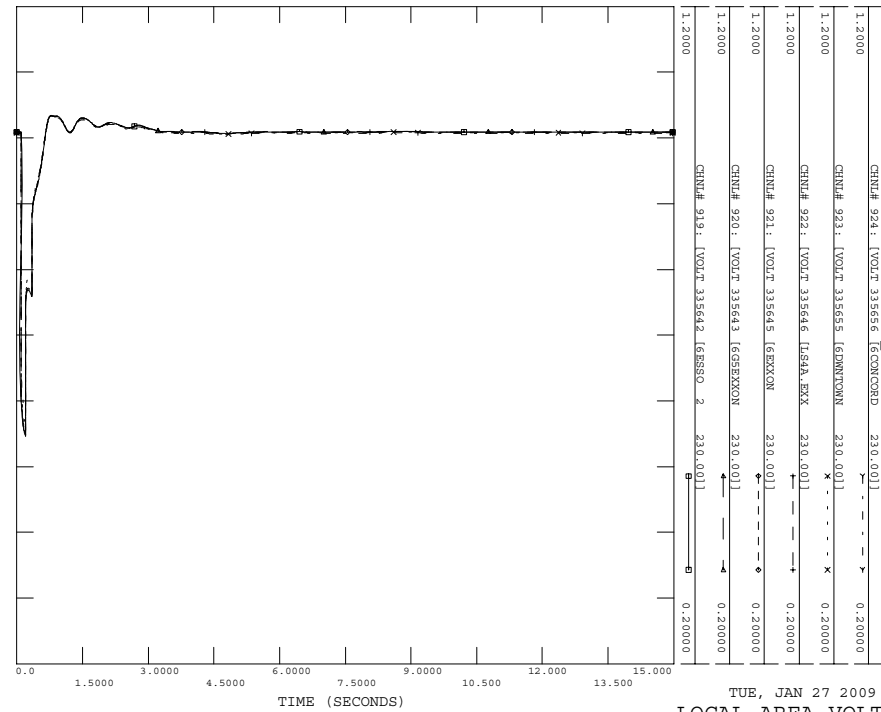
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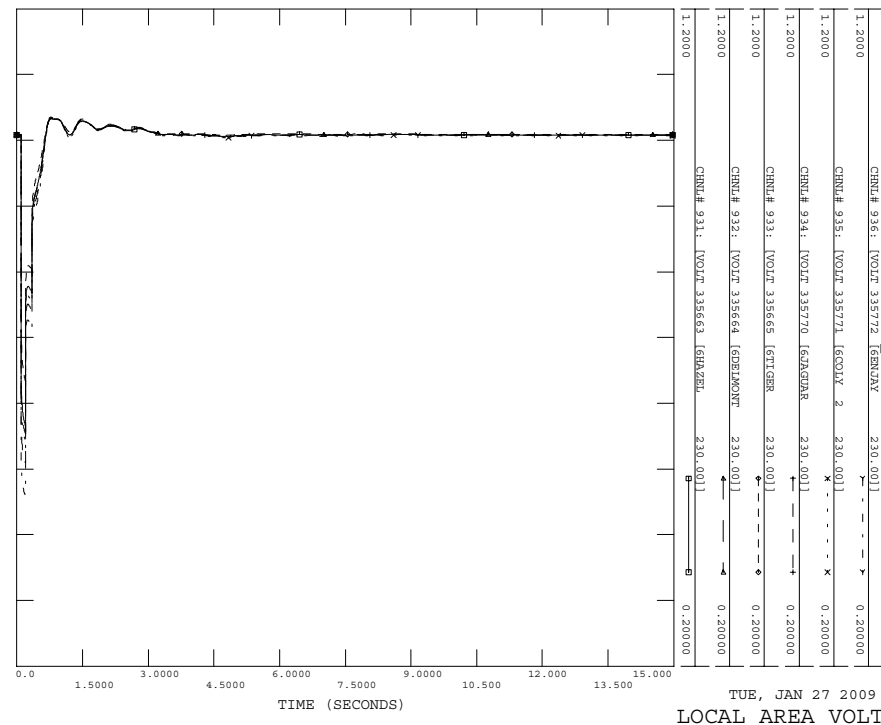
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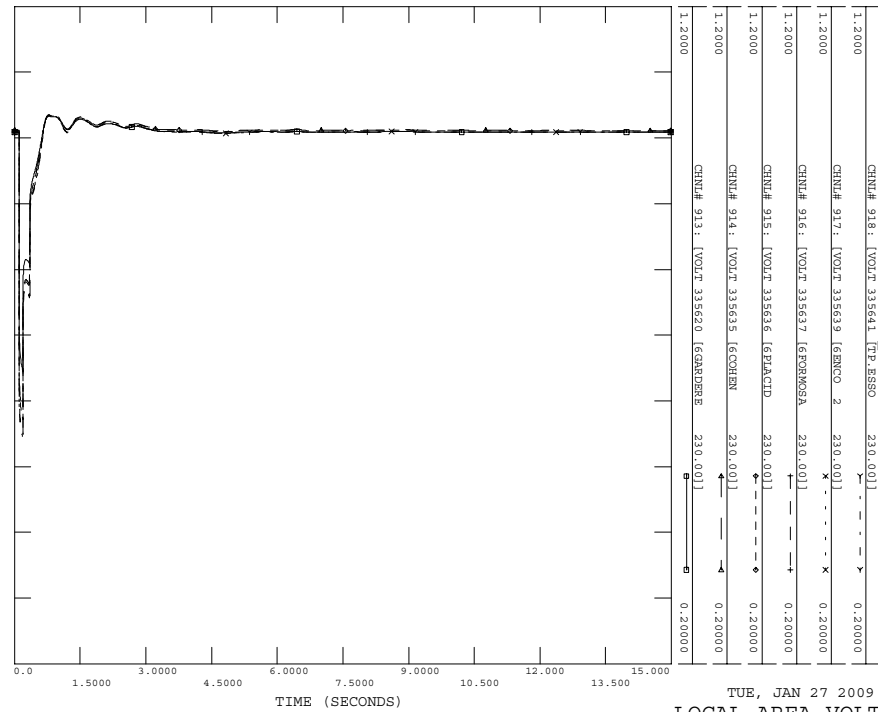
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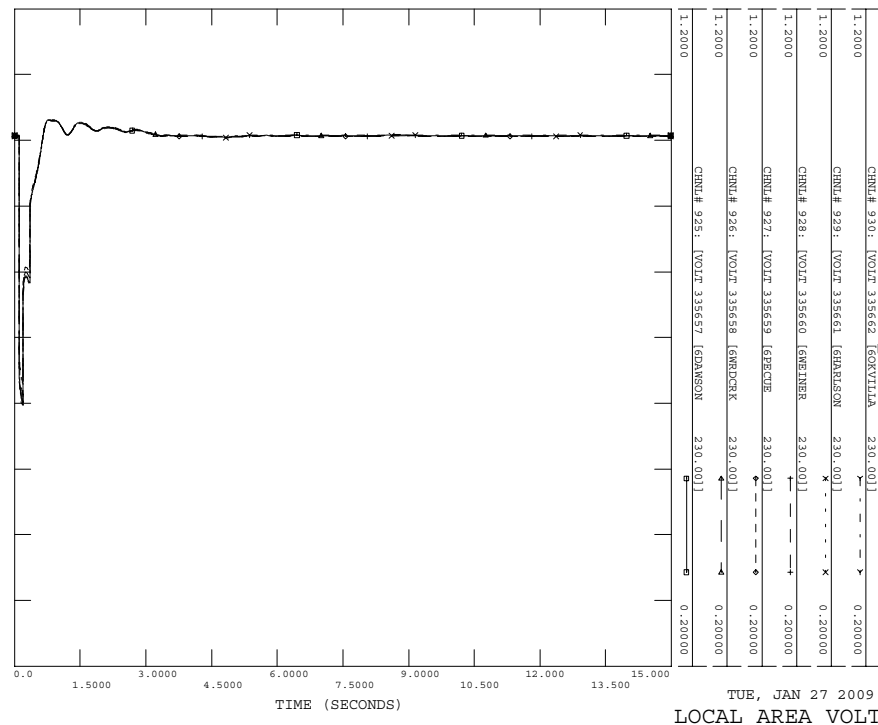
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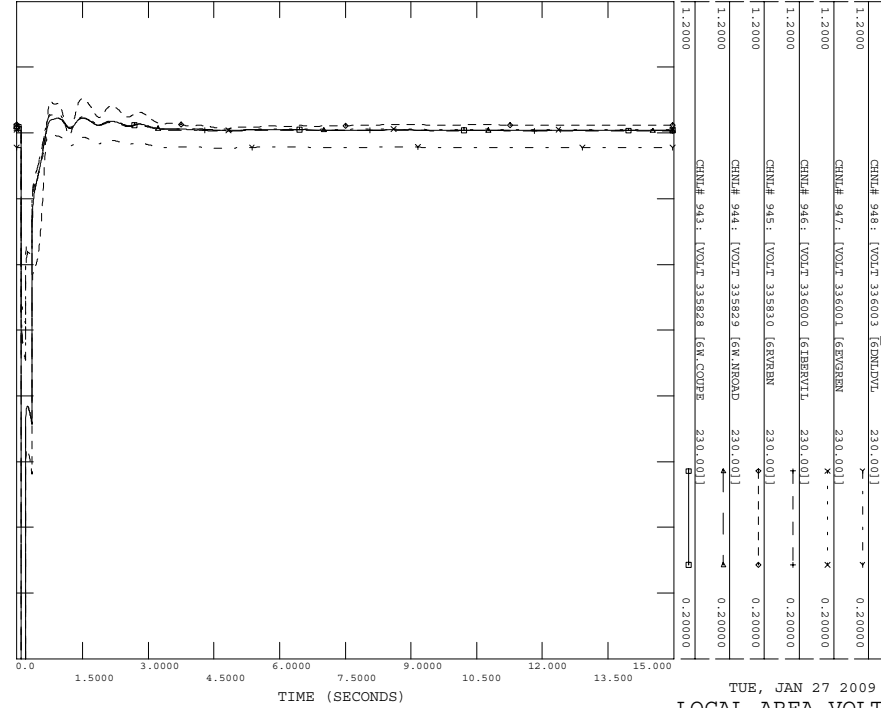
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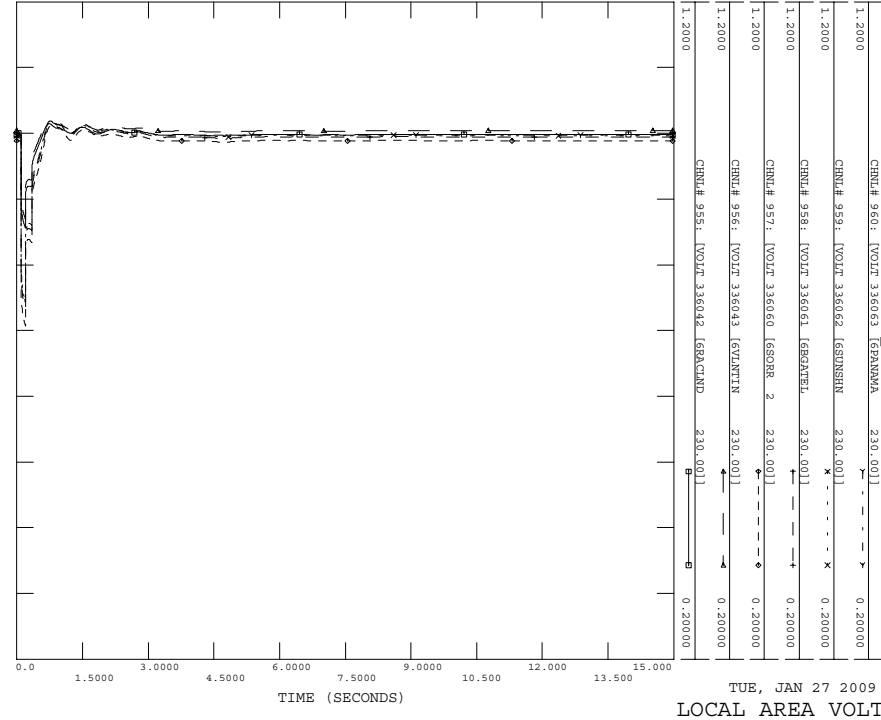
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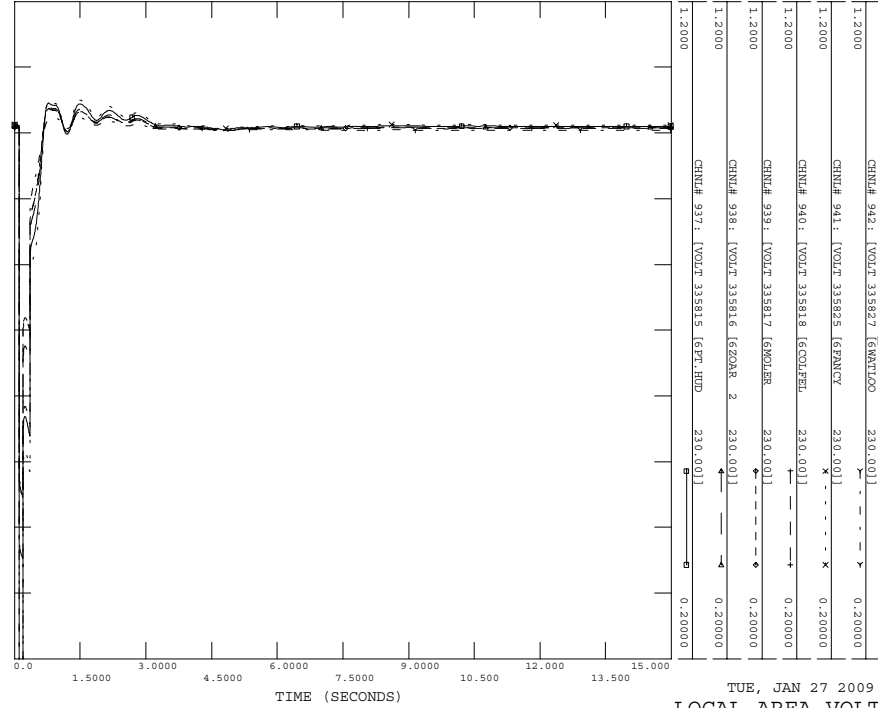
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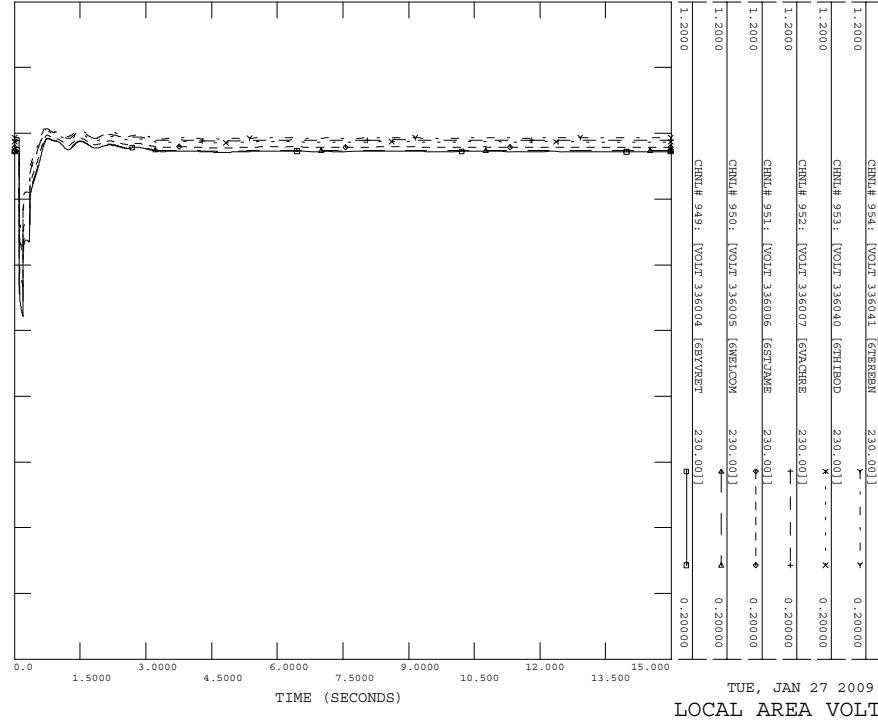
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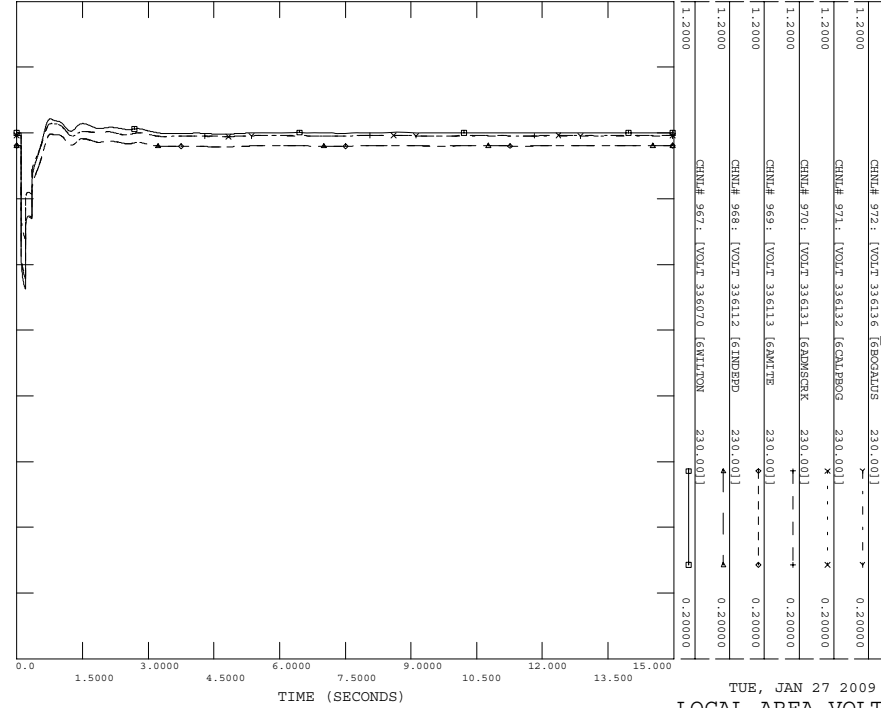
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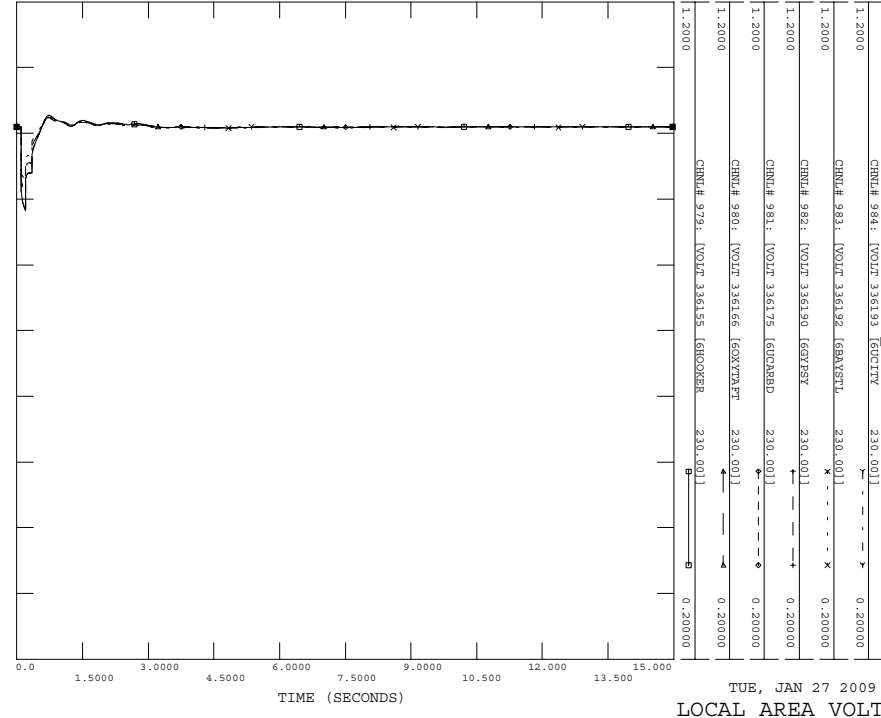
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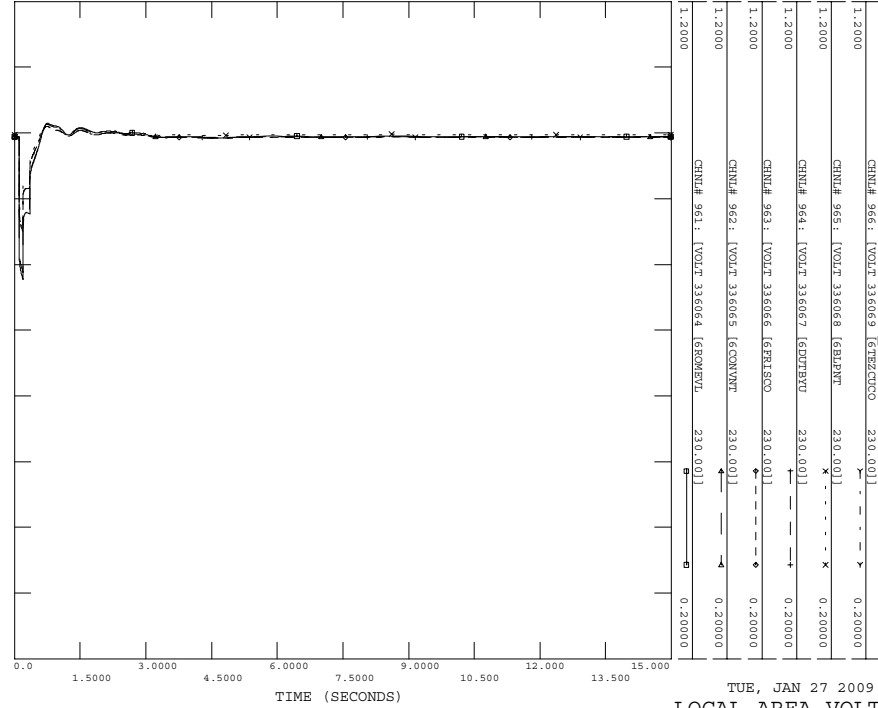
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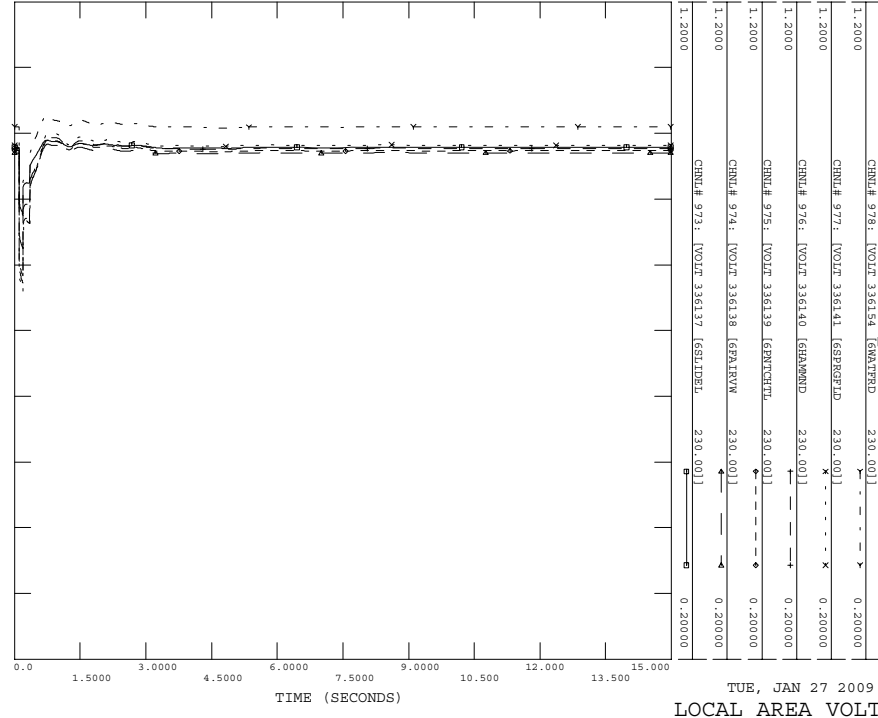
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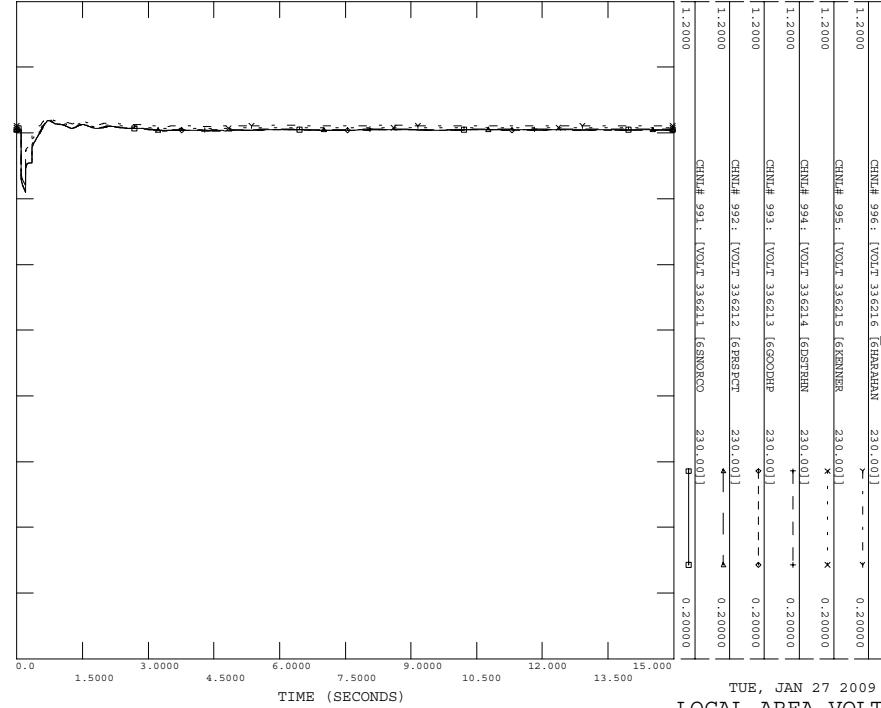
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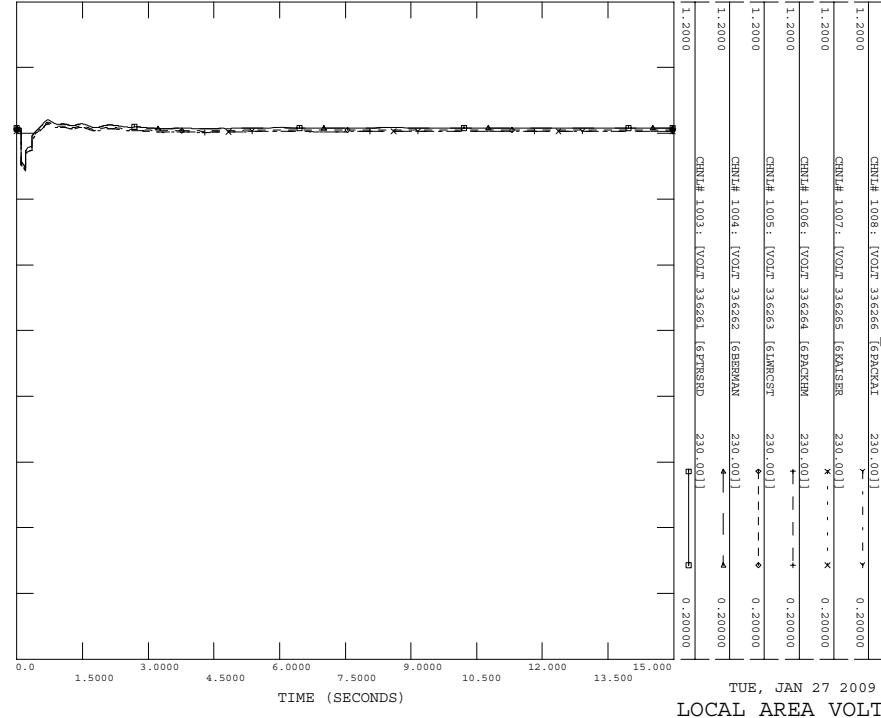
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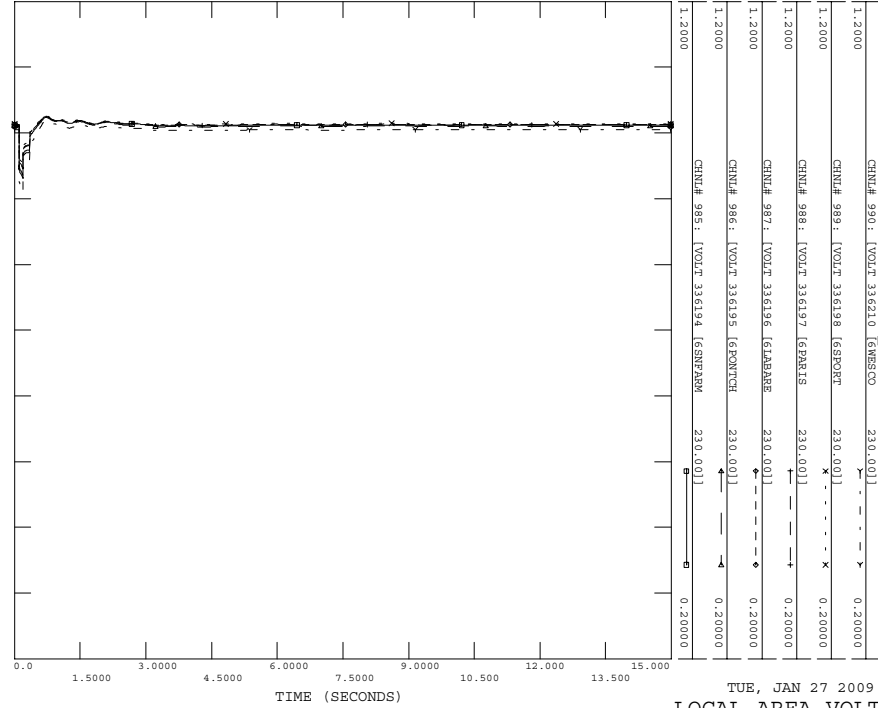
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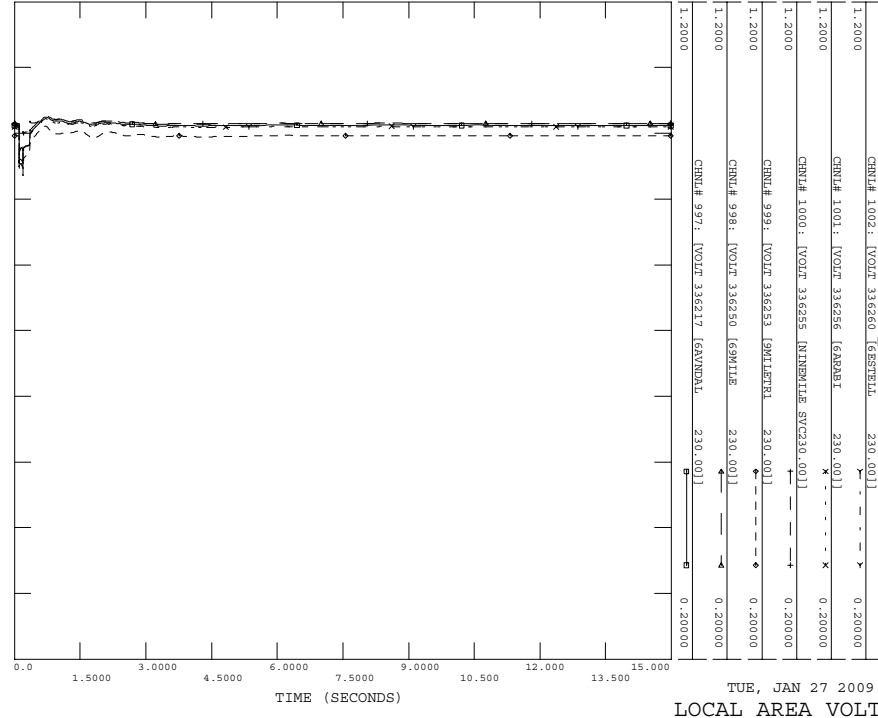
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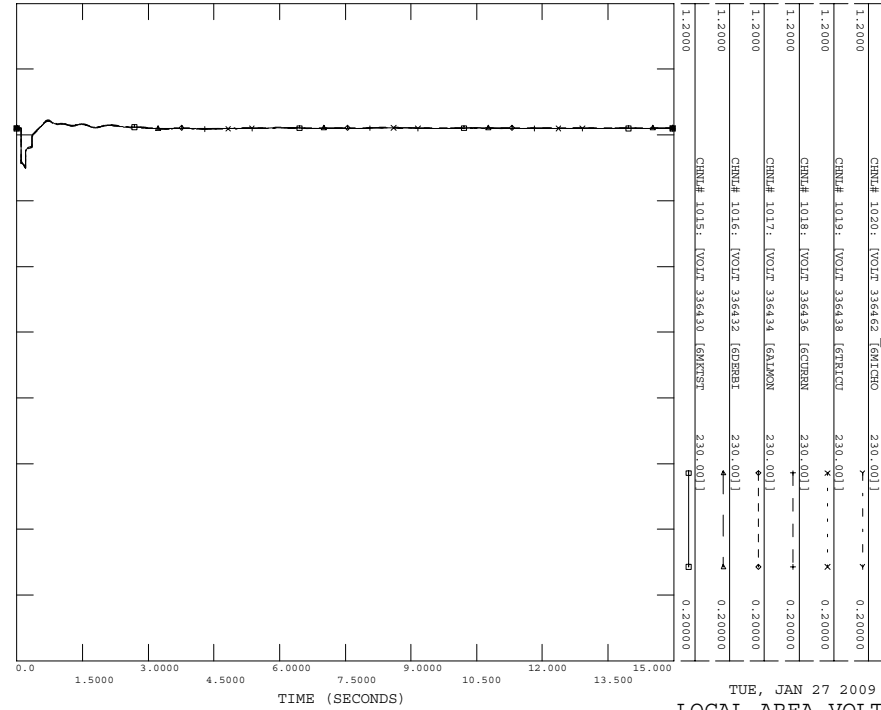
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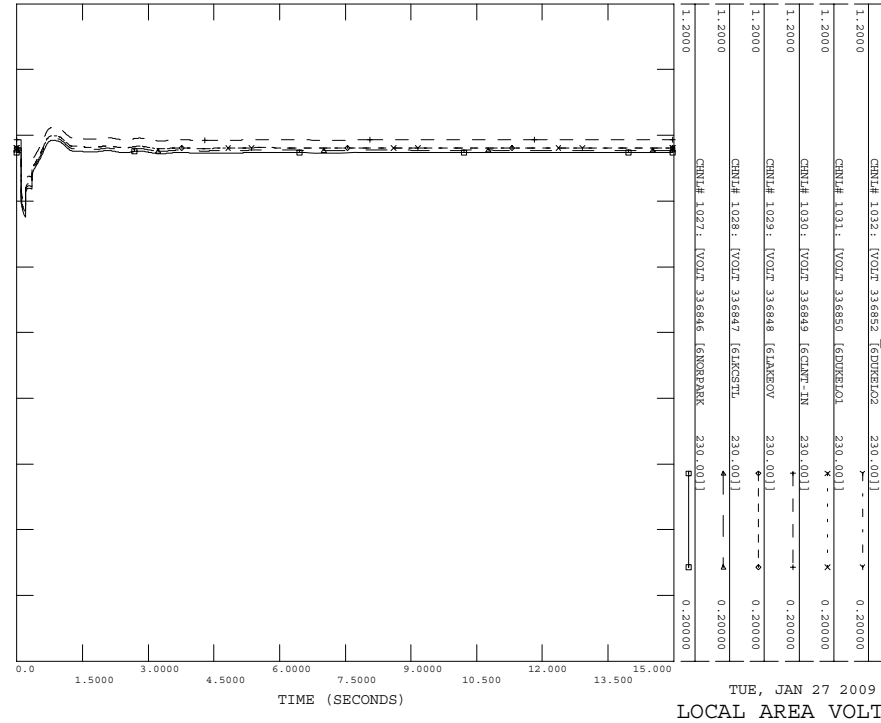
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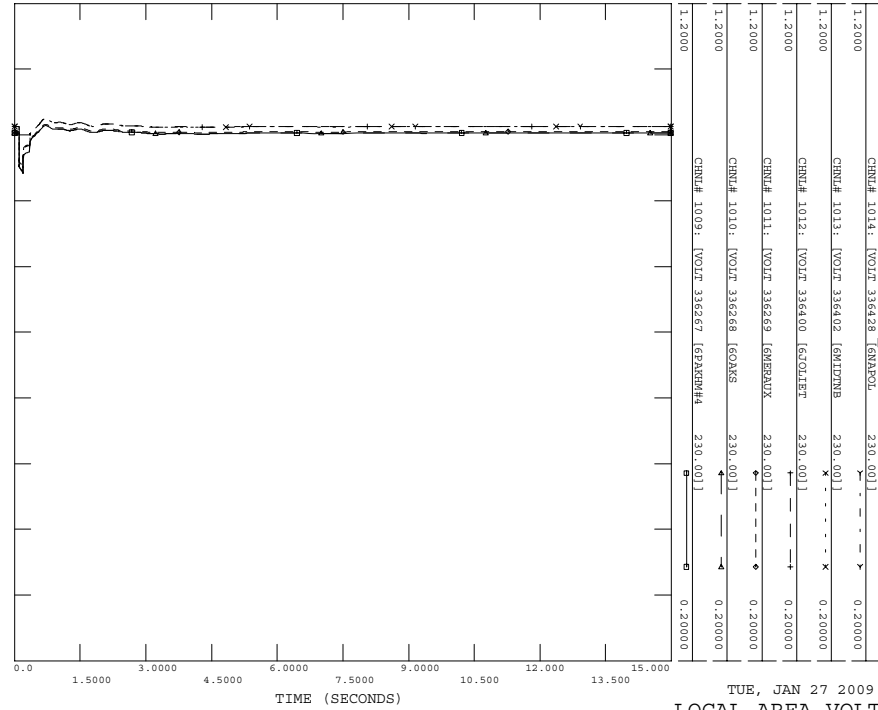
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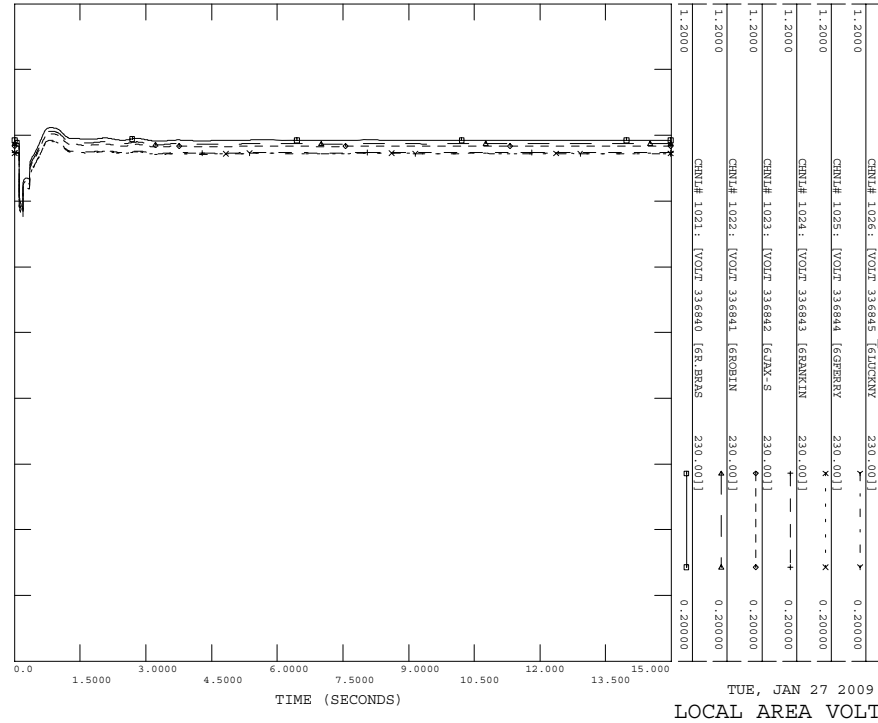
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FILE: FLT_9a.OUT

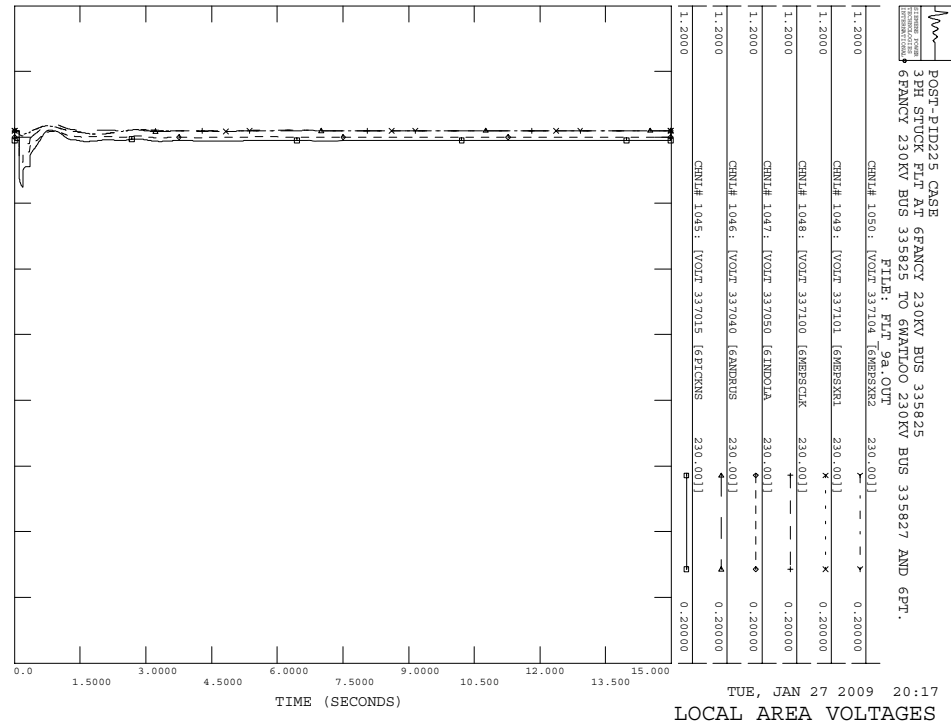
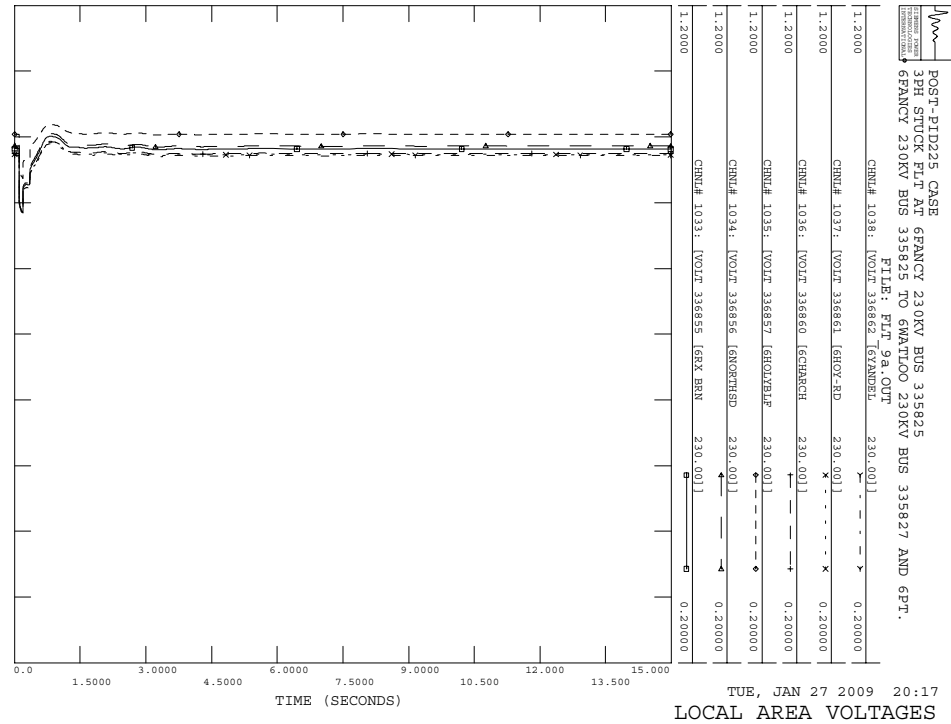
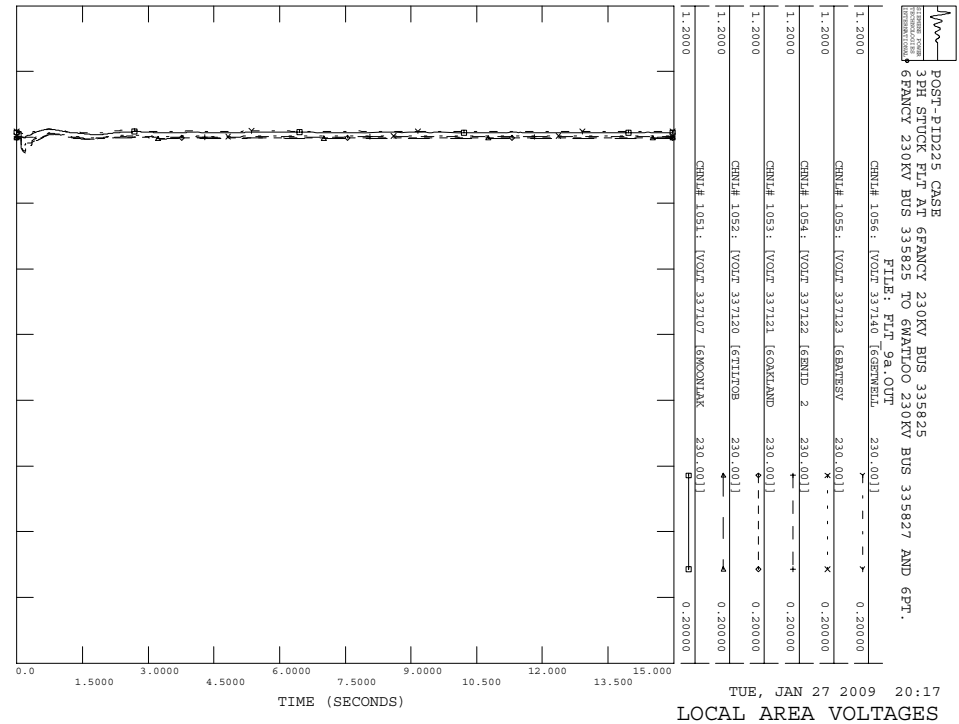
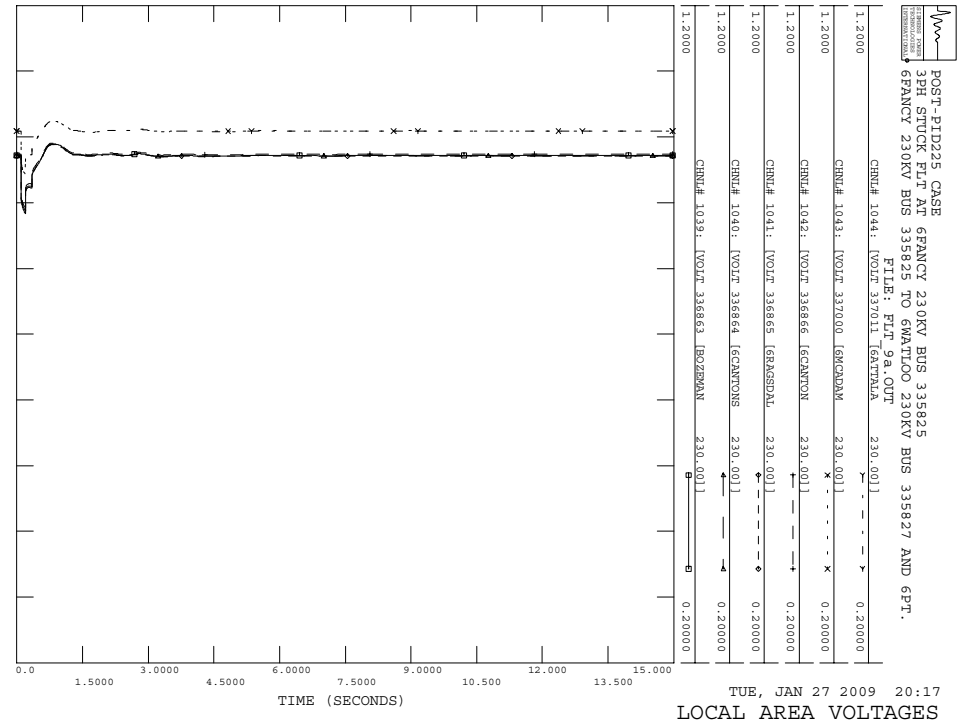


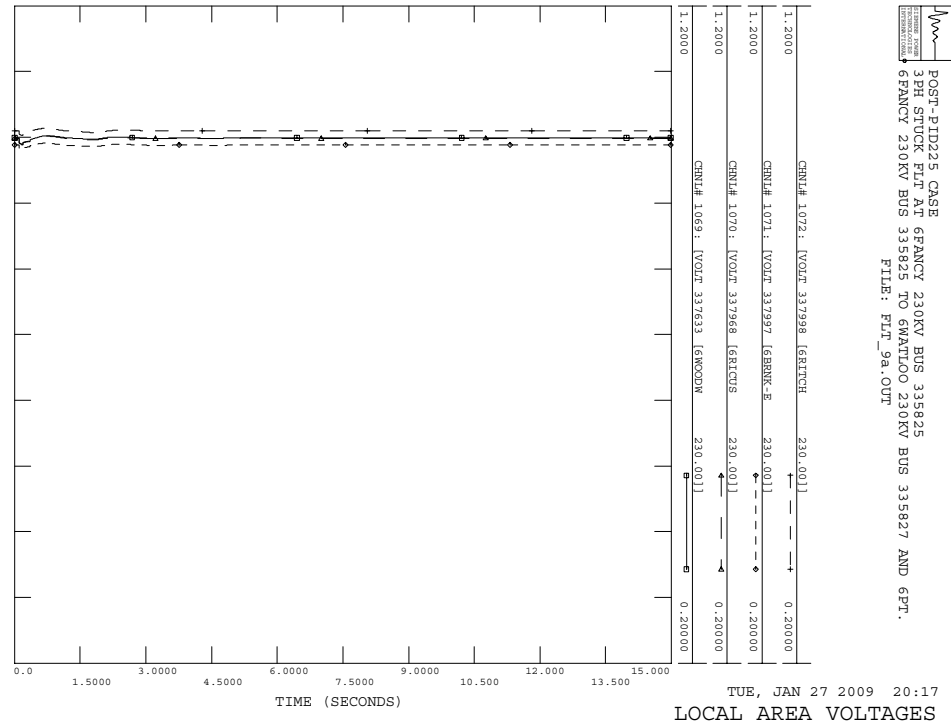
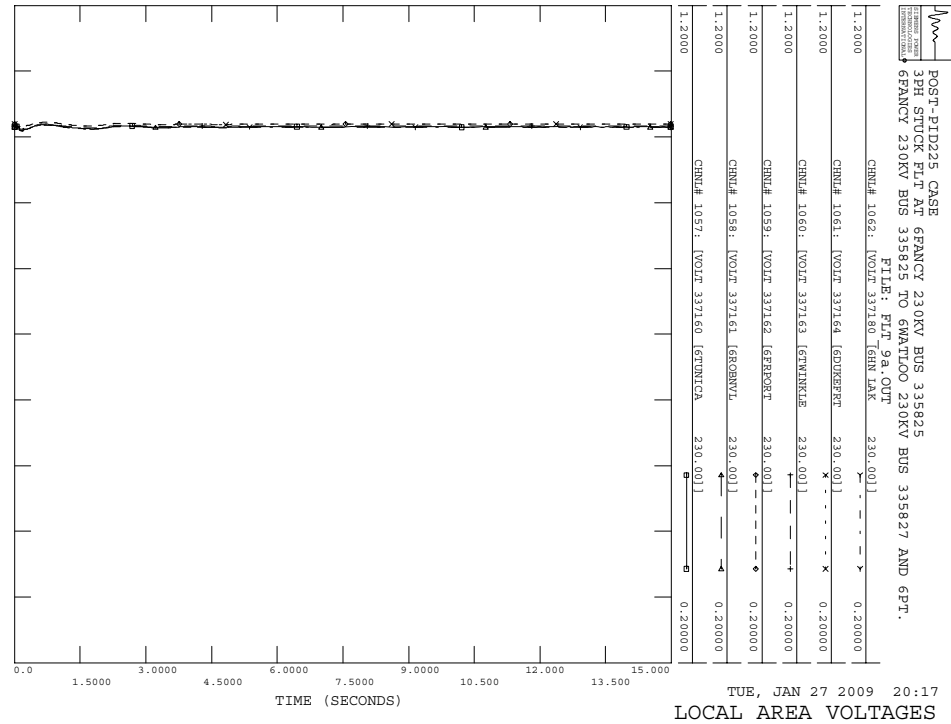
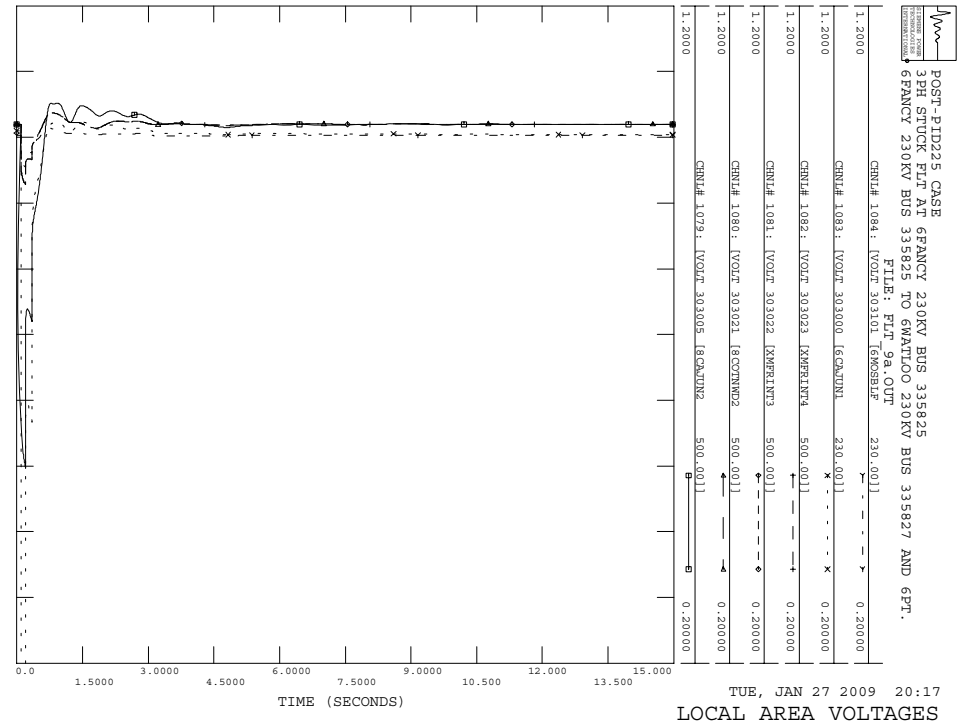
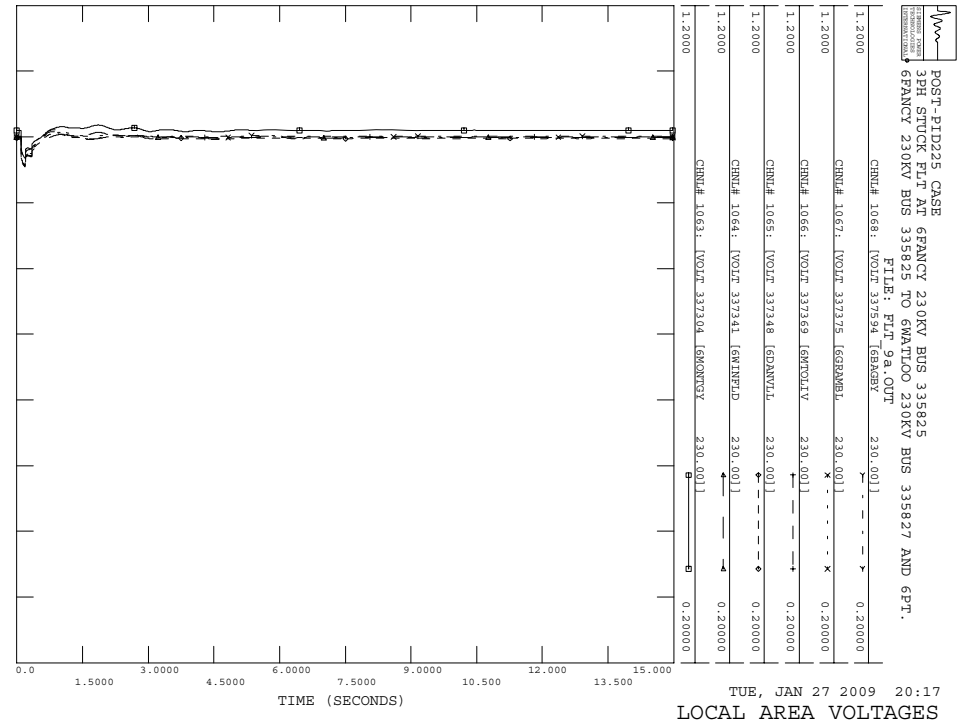
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT

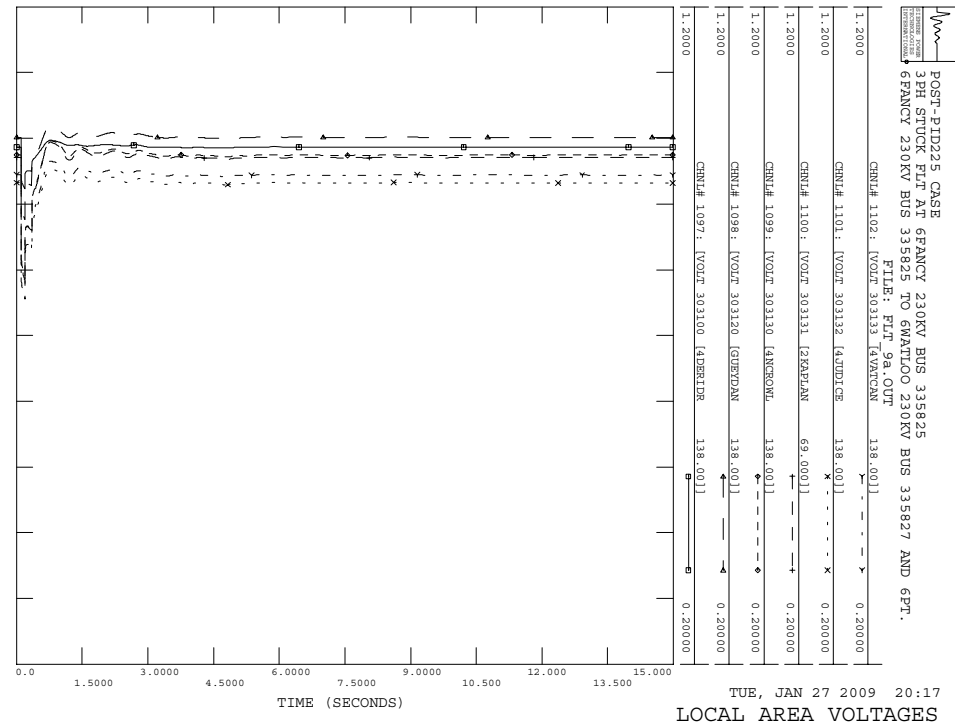
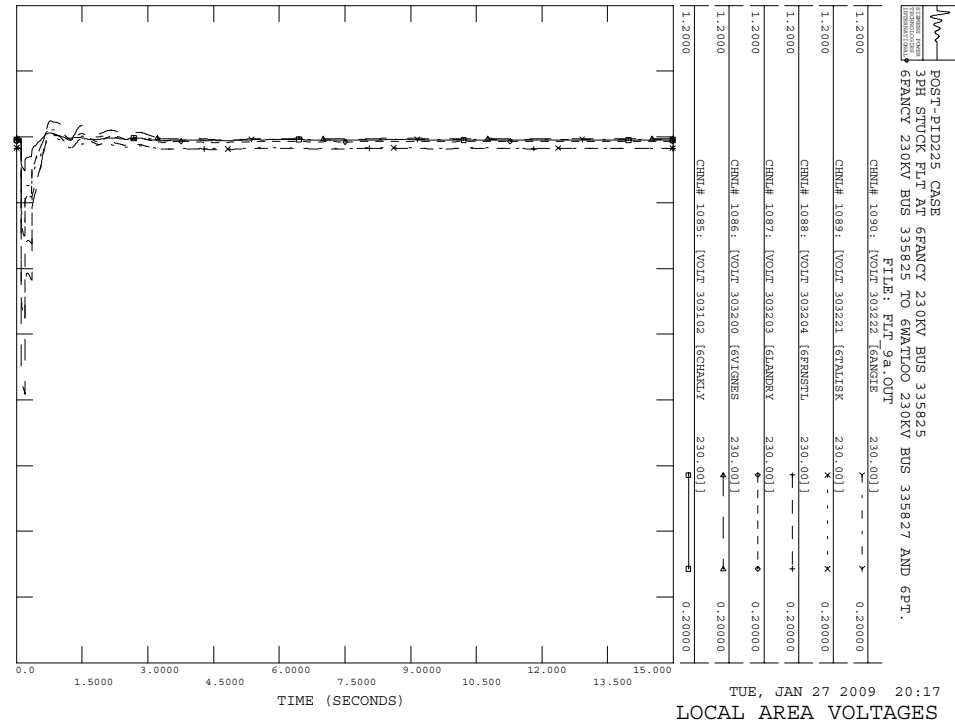
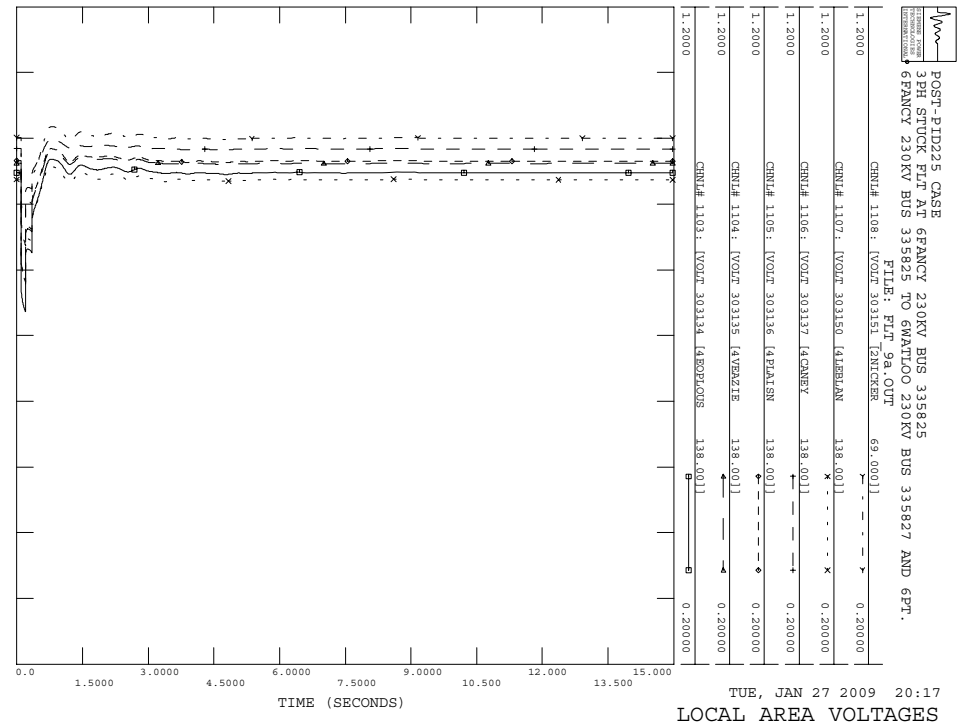
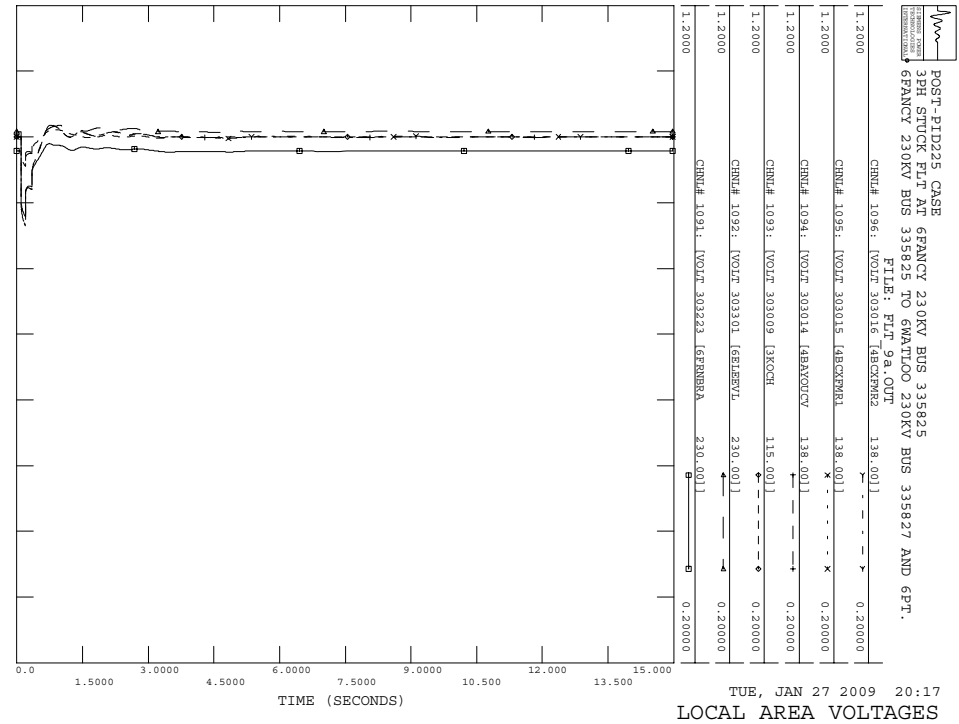


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 6PT.
FILE: FLT_9a.OUT

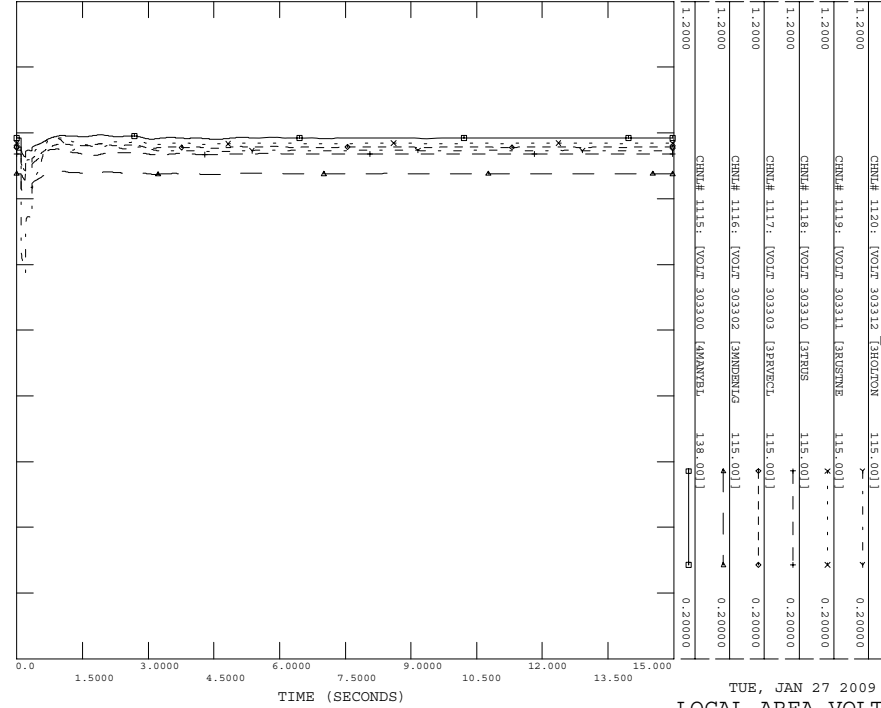




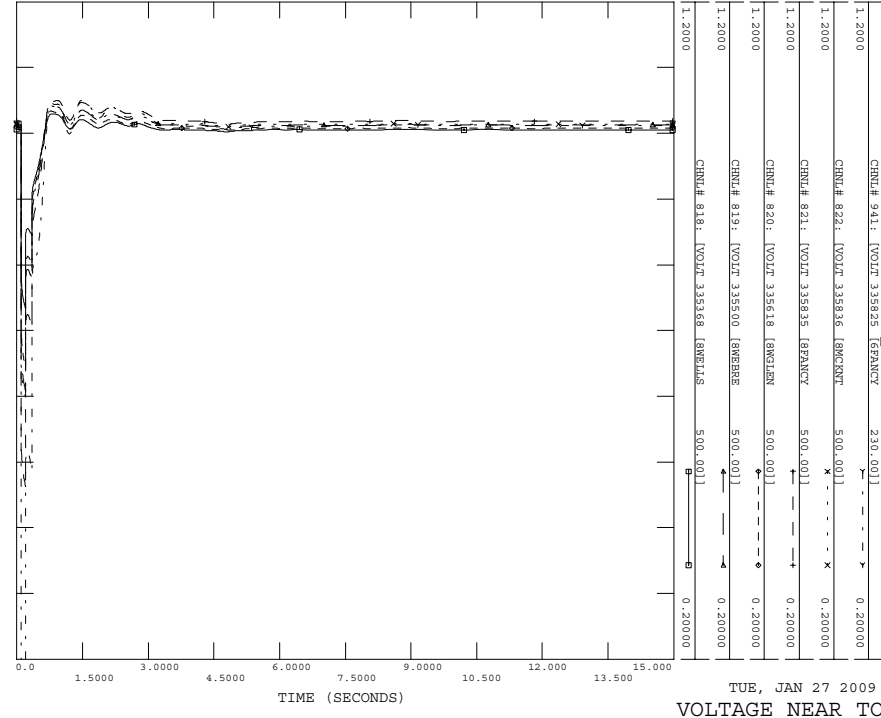




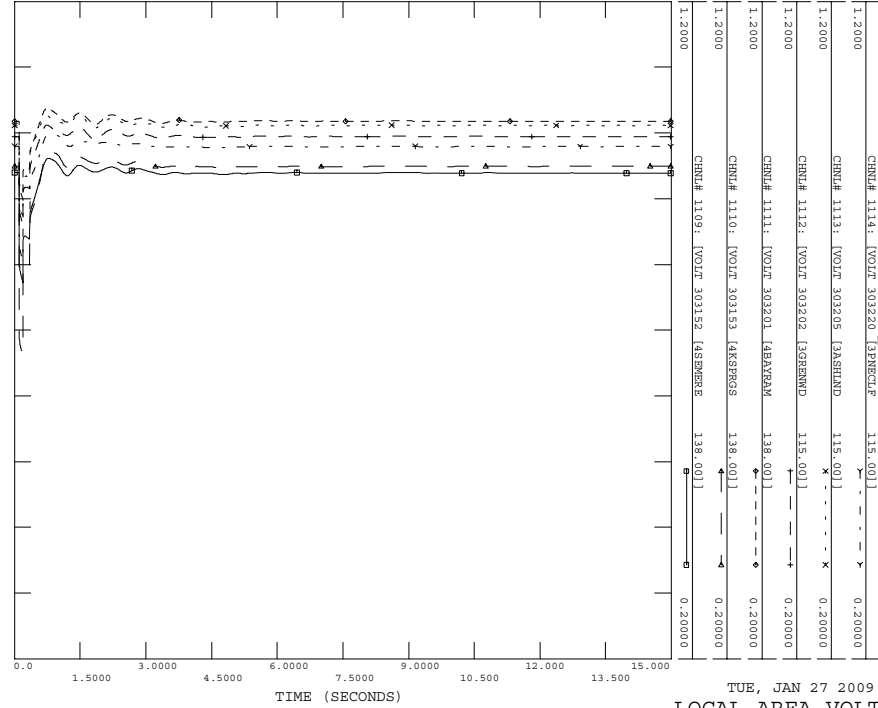
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 6PT.
FILE: FLT 9a.OUT



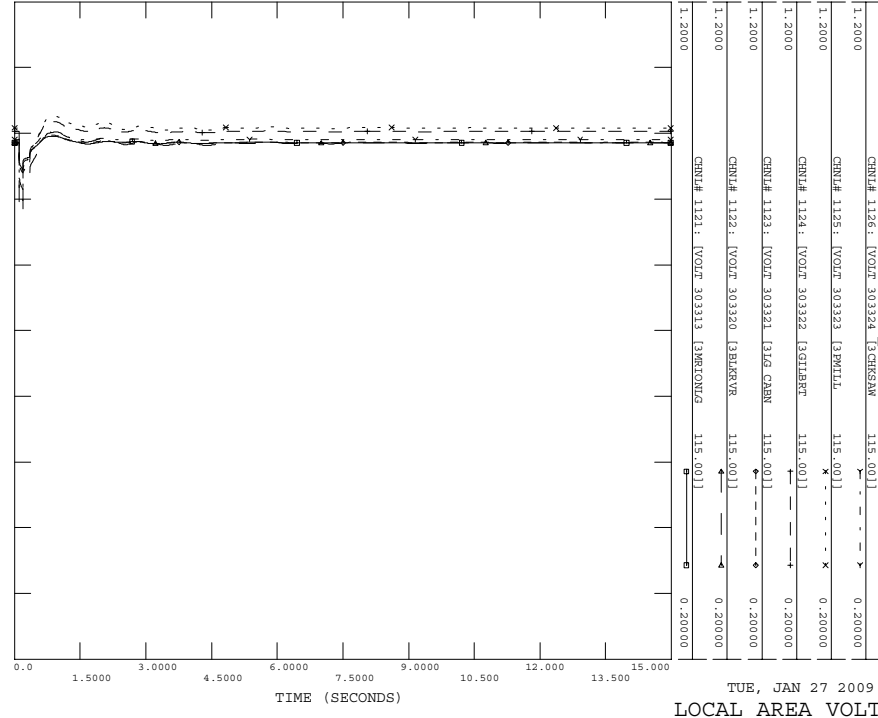
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 6PT.
FILE: FLT 9a.OUT



POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 6PT.
FILE: FLT 9a.OUT

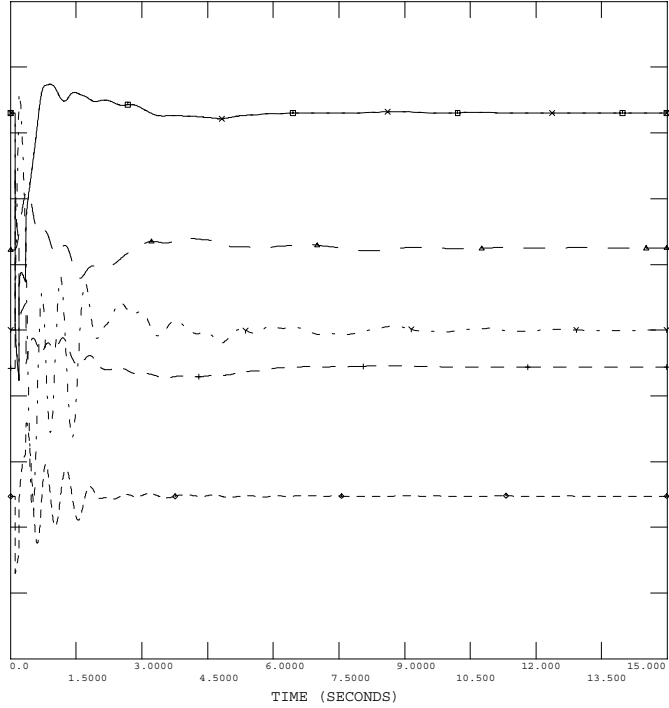


POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 6PT.
FILE: FLT 9a.OUT



POST-PID225 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
68PANCY 230KV BUS 335825 TO 68MATICO 230KV BUS 335827 AND 6PT.
FILE: FLT_98.001

0.0100	CHNL# 1125: [ETRM BUS 303008 WACH '1 '1]	-0.0100
1.2000	CHNL# 1130: [VARS BUS 303008 WACH '1 '1]	0.20000
15.000	CHNL# 1129: [PCOR BUS 303008 WACH '1 '1]	-10.00
25.000	CHNL# 1128: [ANGL BUS 303008 WACH '1 '1]	0.0
150.00	CHNL# 1127: [VOLT 303008 [BAC2 U3 24.000]]	-150.0
1.2000		0.20000

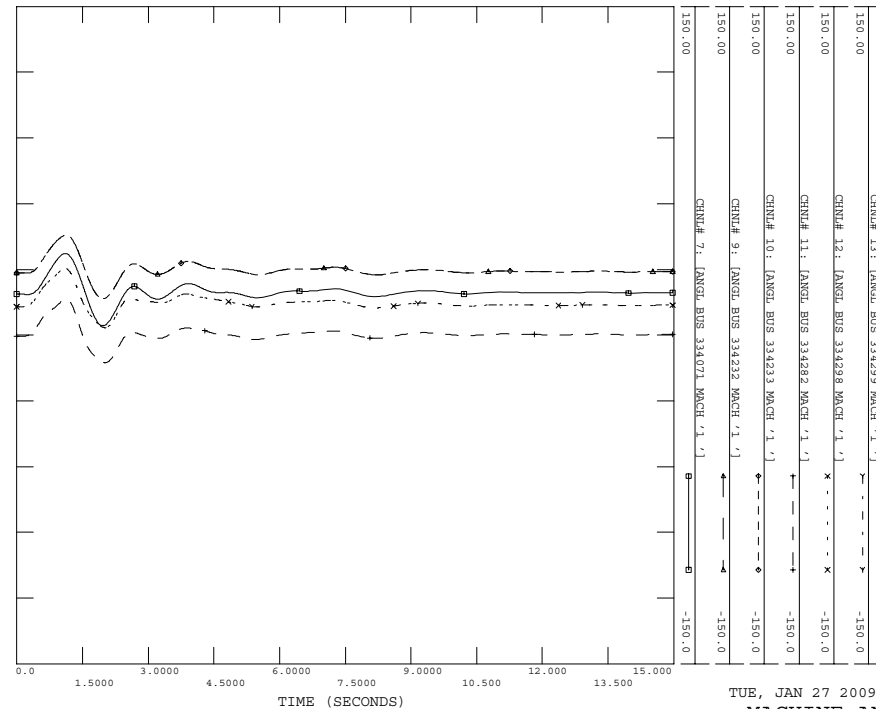


C.16 FLT_9b

Stuck breaker fault on the 6FANCY (#335825) to 6WATLOO (#335827) 230 kV line, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping line from 6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 8FANCY 500KV BUS 335835

POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9B.OUT

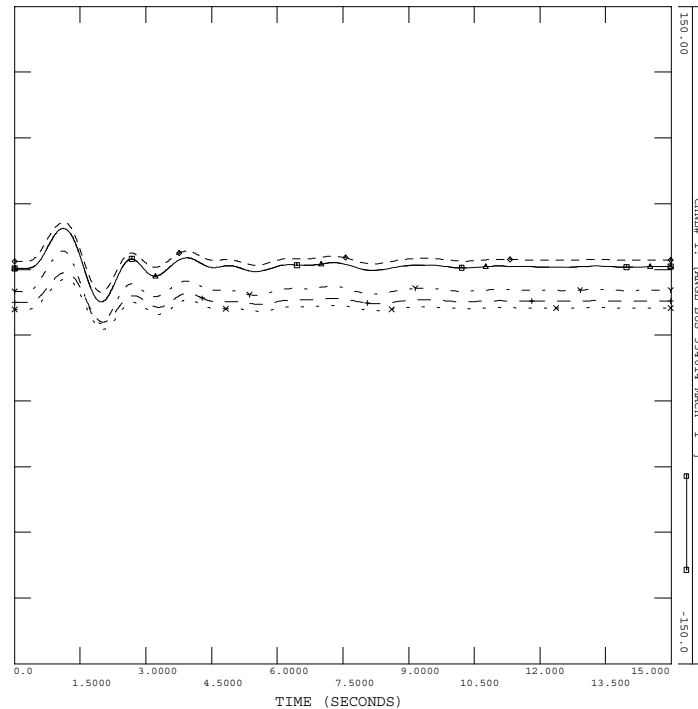


POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9B.OUT

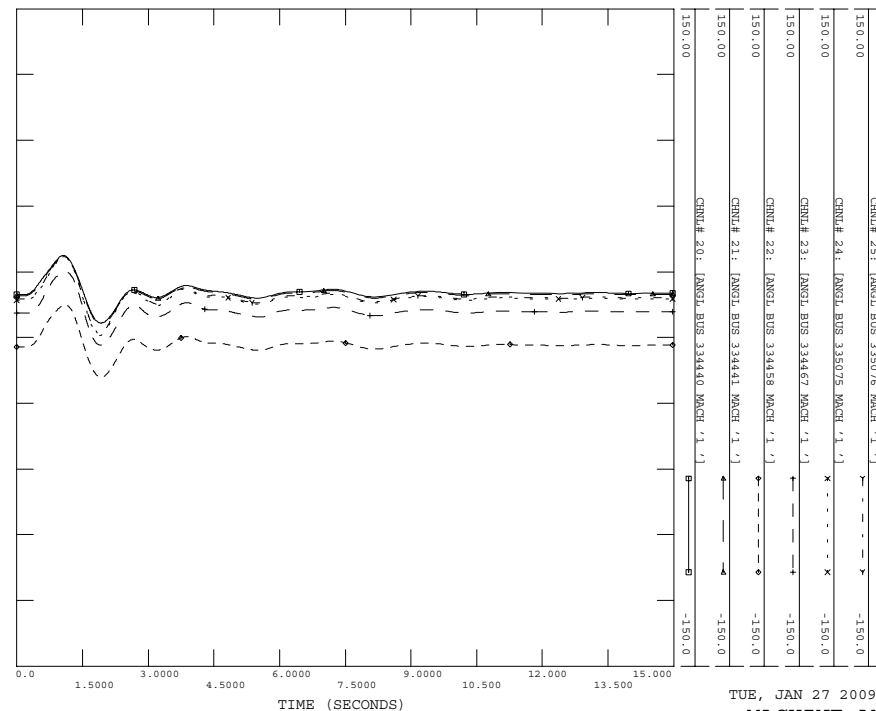
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9B.OUT

CHN# 6: [ANG], BUS 334070 MACH '1' -150.0
CHN# 5: [ANG], BUS 334031 MACH '1' -150.0
CHN# 4: [ANG], BUS 334030 MACH '1' -150.0
CHN# 3: [ANG], BUS 334016 MACH '1' -150.0
CHN# 2: [ANG], BUS 334015 MACH '1' -150.0
CHN# 1: [ANG], BUS 334014 MACH '1' -150.0

TUE, JAN 27 2009 20:17
MACHINE ANGLES



POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9B.OUT

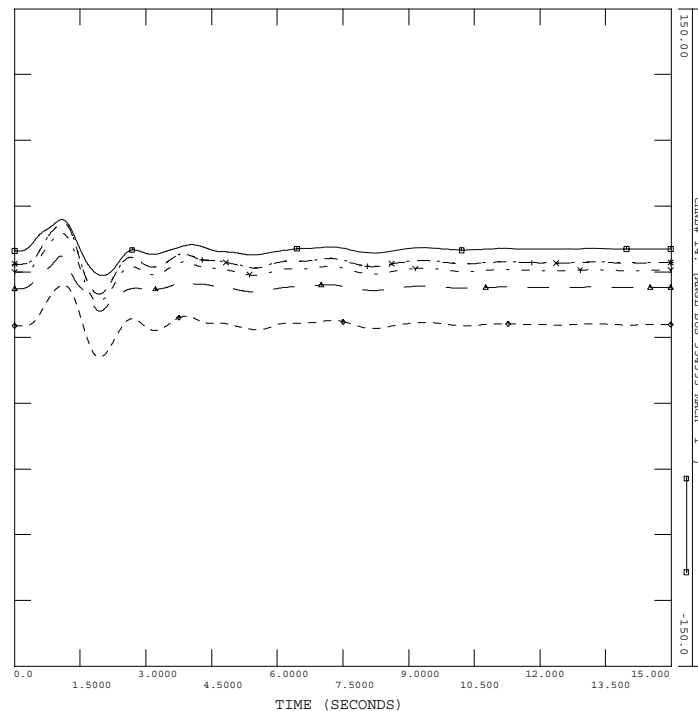


POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9B.OUT

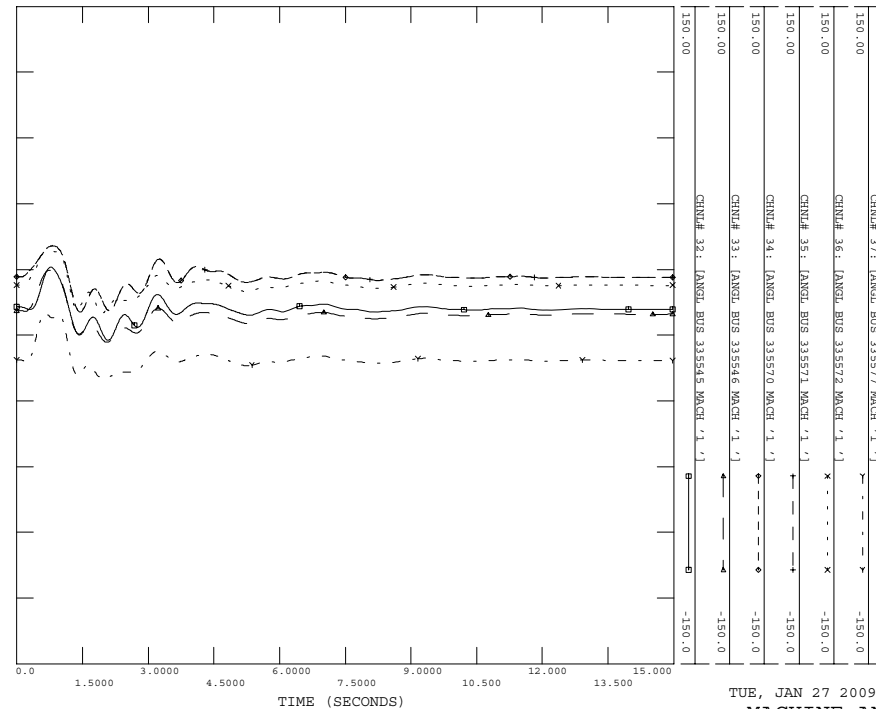
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9B.OUT

CHN# 19: [ANG], BUS 334433 MACH '1' -150.0
CHN# 18: [ANG], BUS 334432 MACH '1' -150.0
CHN# 17: [ANG], BUS 334431 MACH '1' -150.0
CHN# 16: [ANG], BUS 334392 MACH '1' -150.0
CHN# 15: [ANG], BUS 334375 MACH '1' -150.0
CHN# 14: [ANG], BUS 334335 MACH '1' -150.0

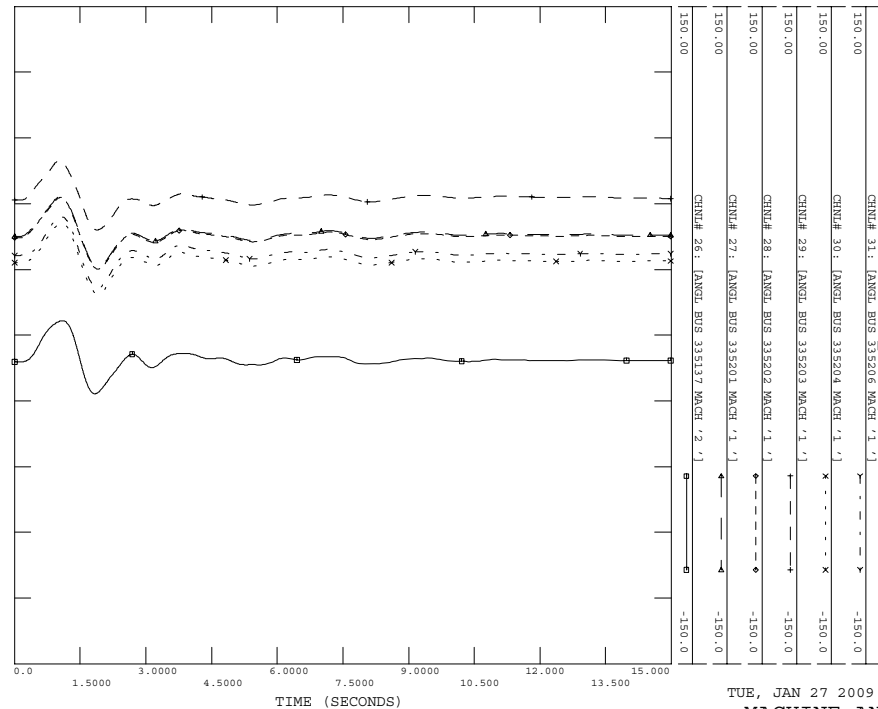
TUE, JAN 27 2009 20:17
MACHINE ANGLES



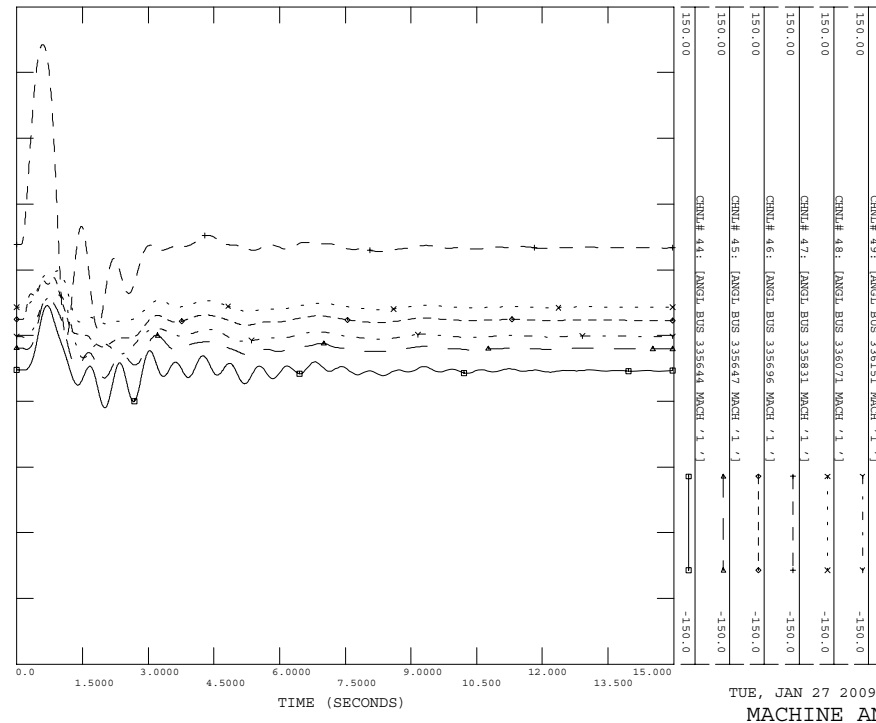
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



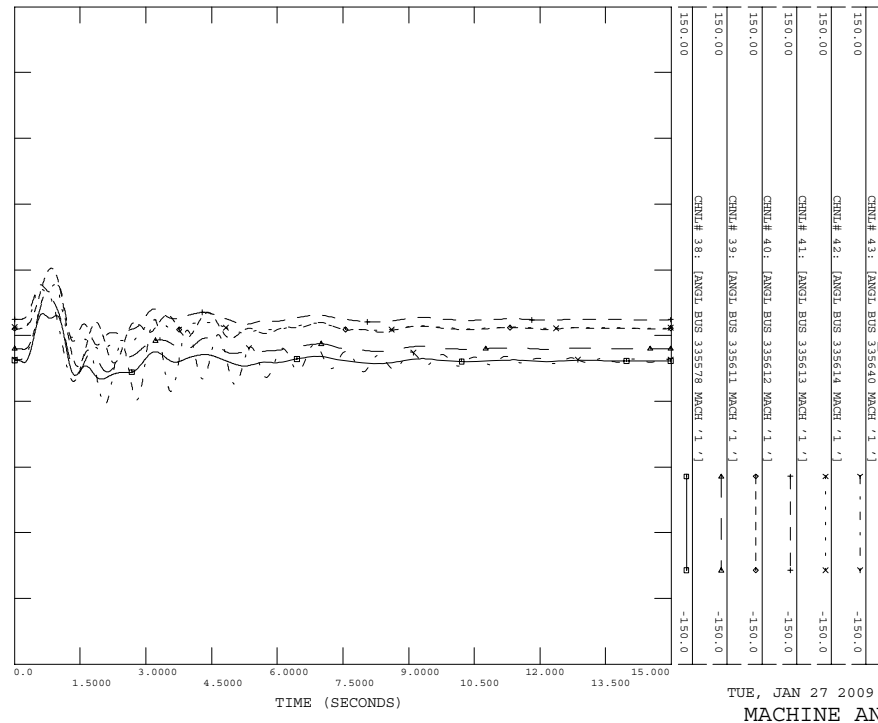
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



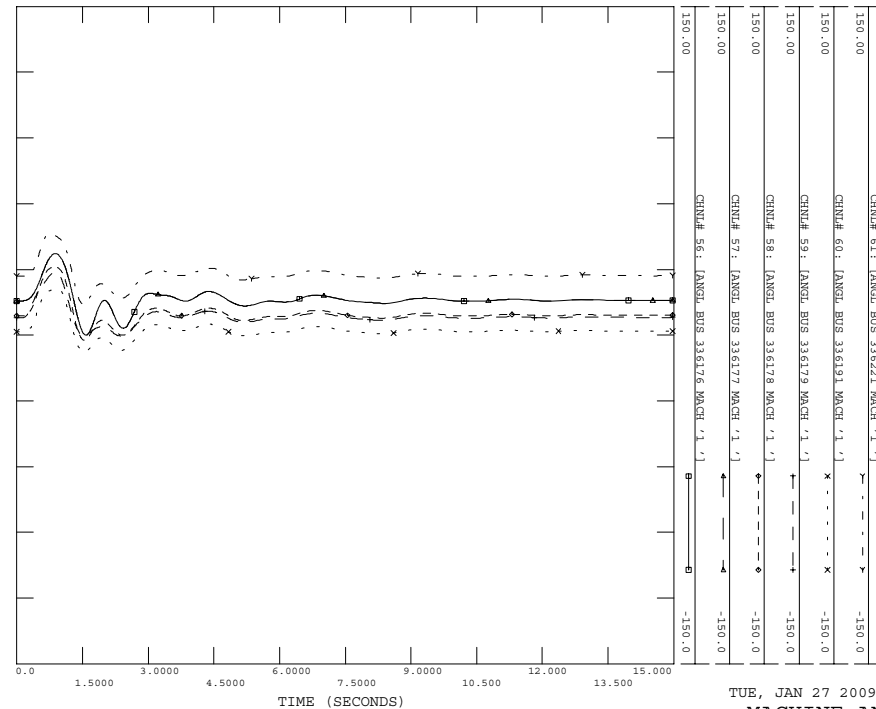
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



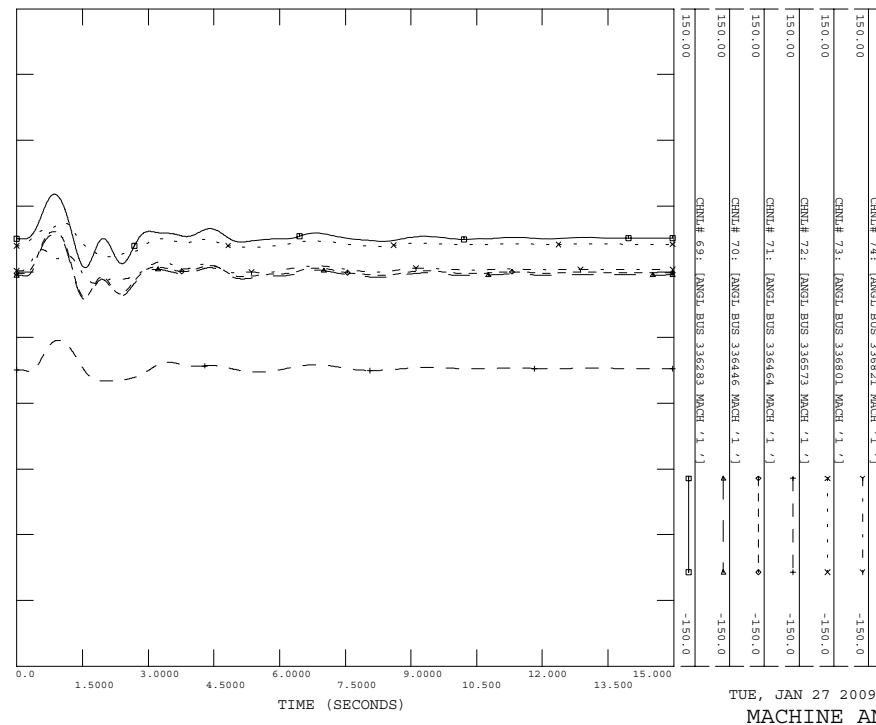
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



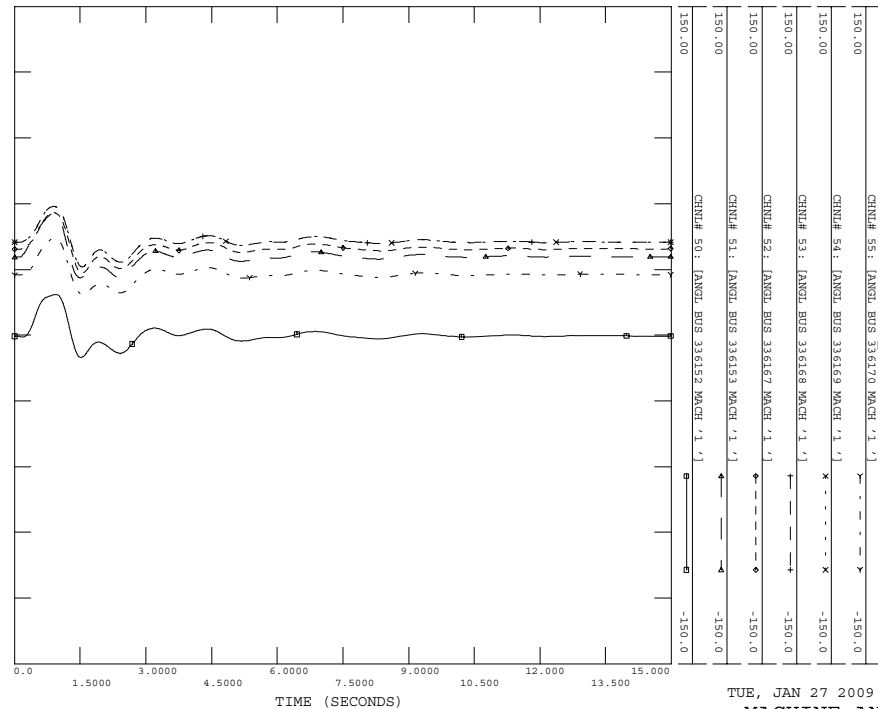
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



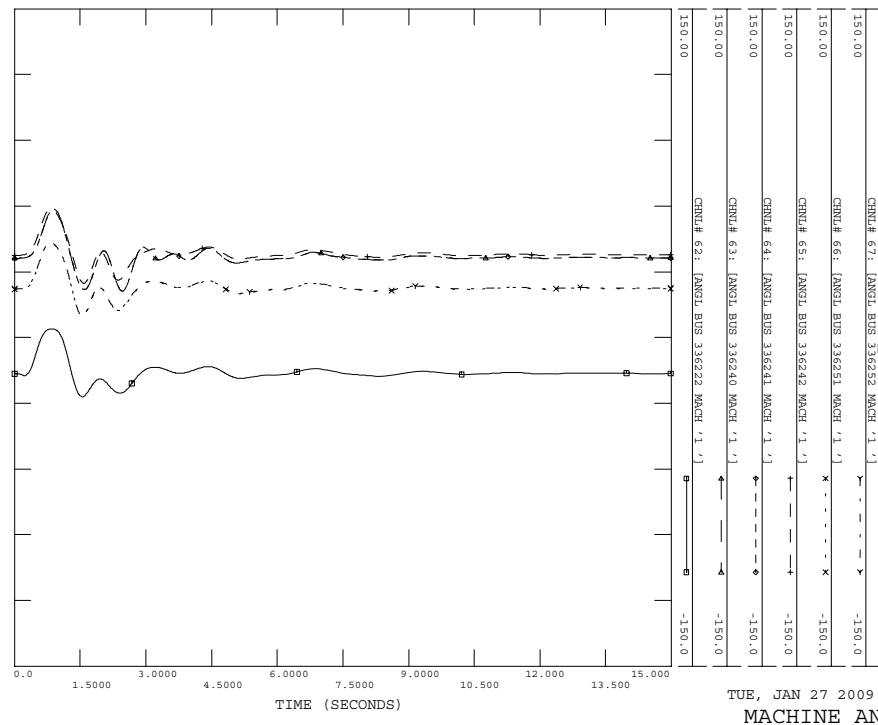
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT

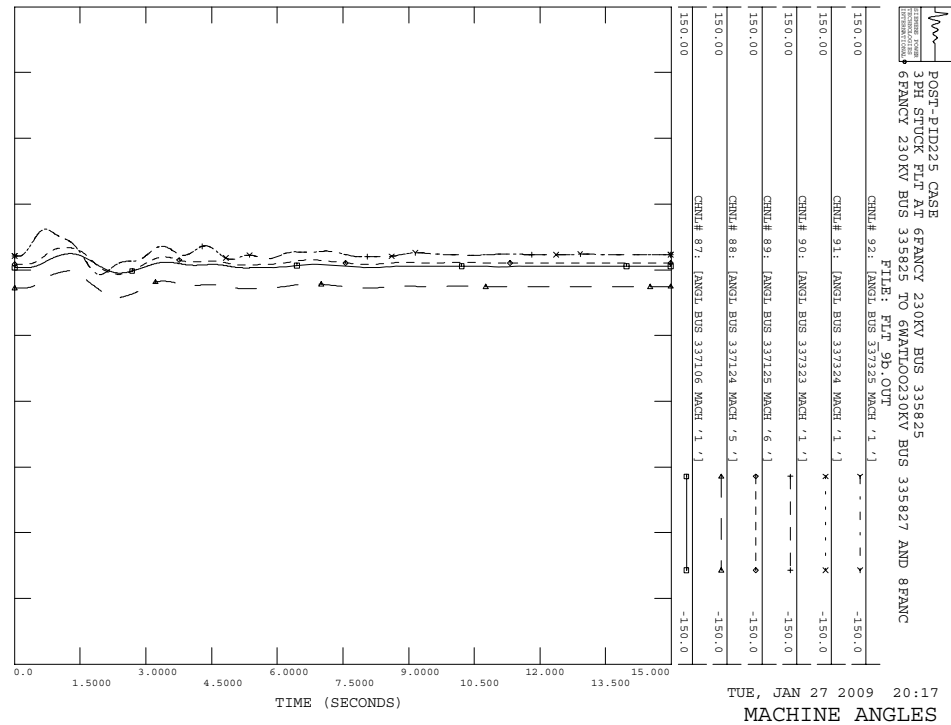
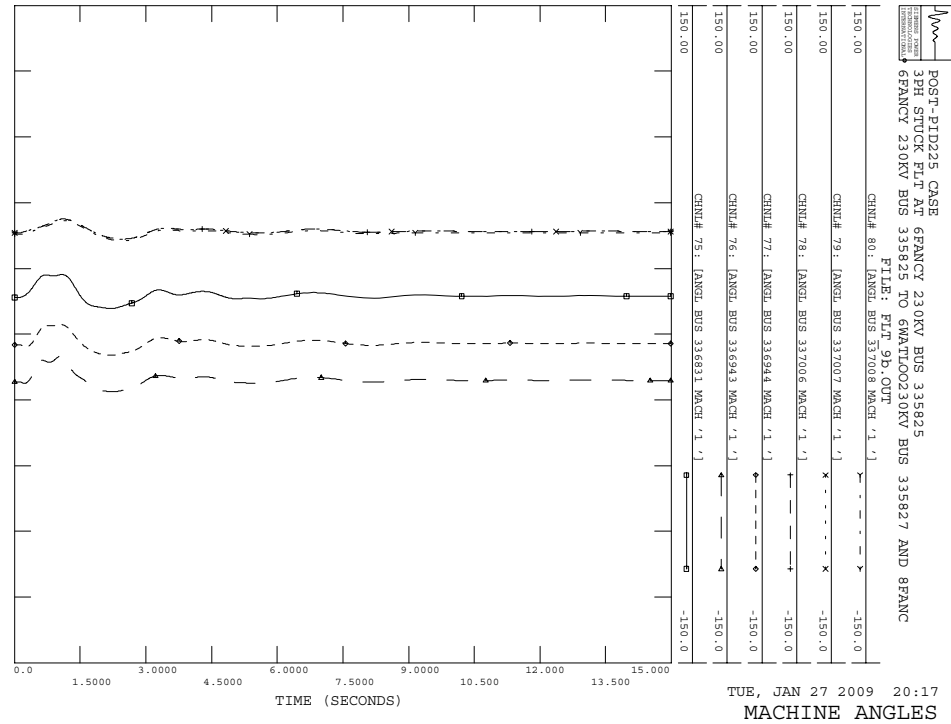
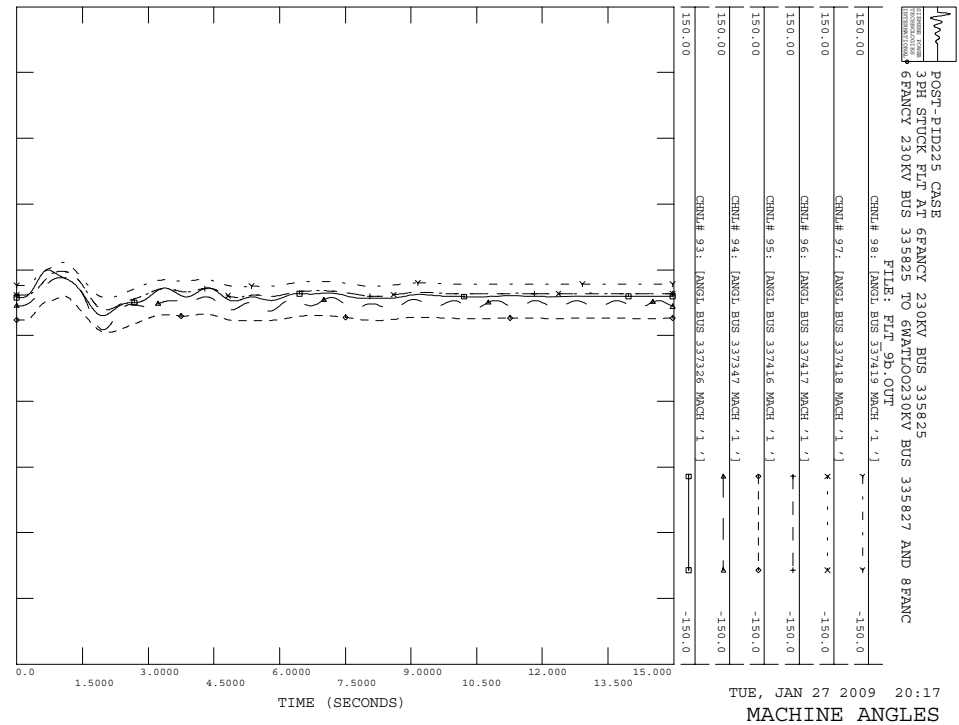
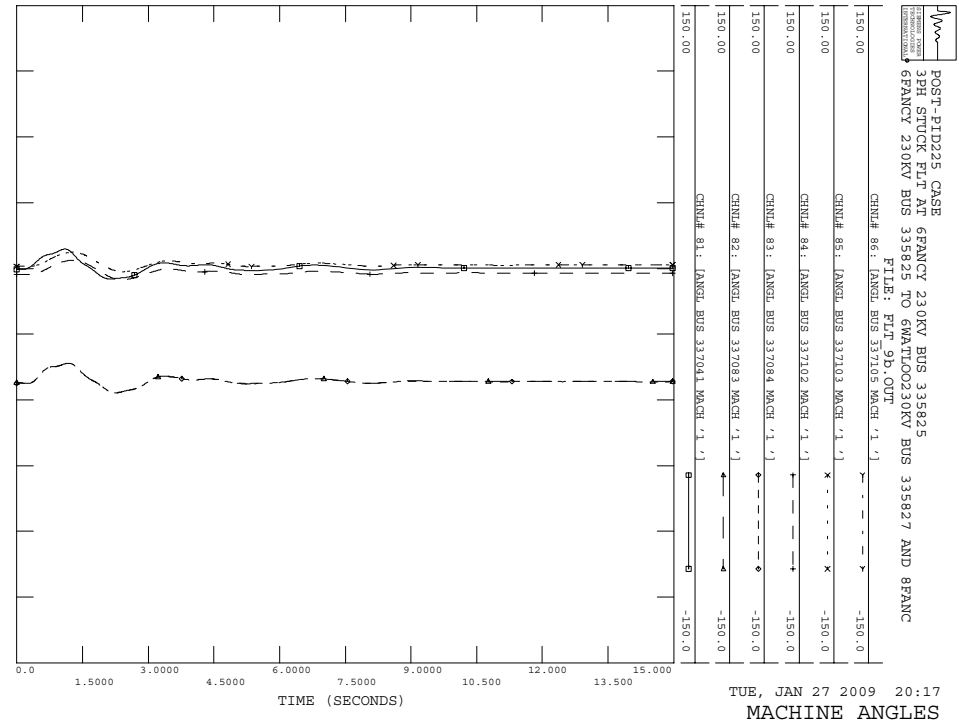


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT

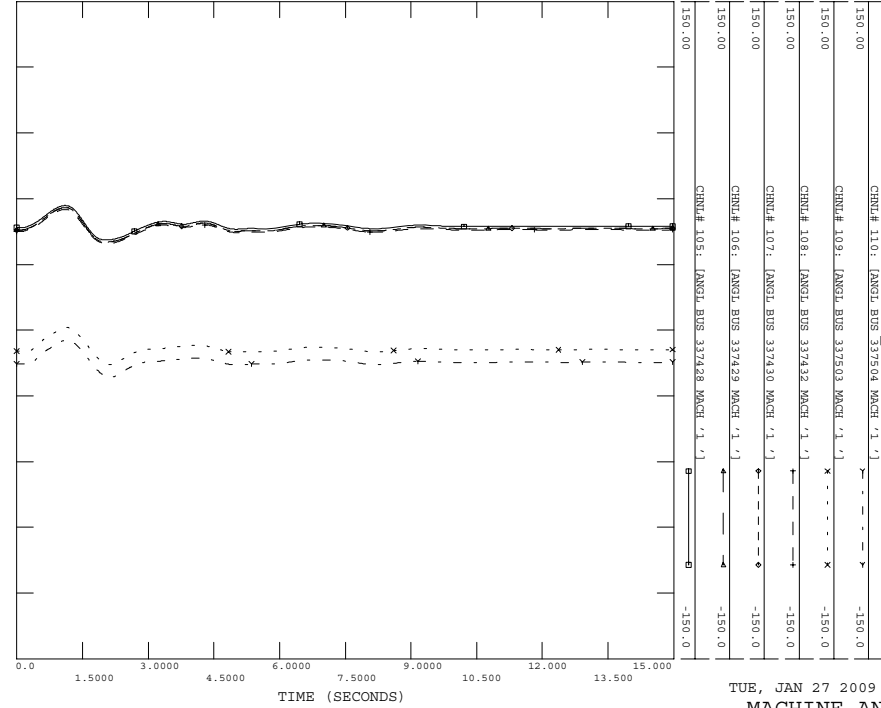


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATID00230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT

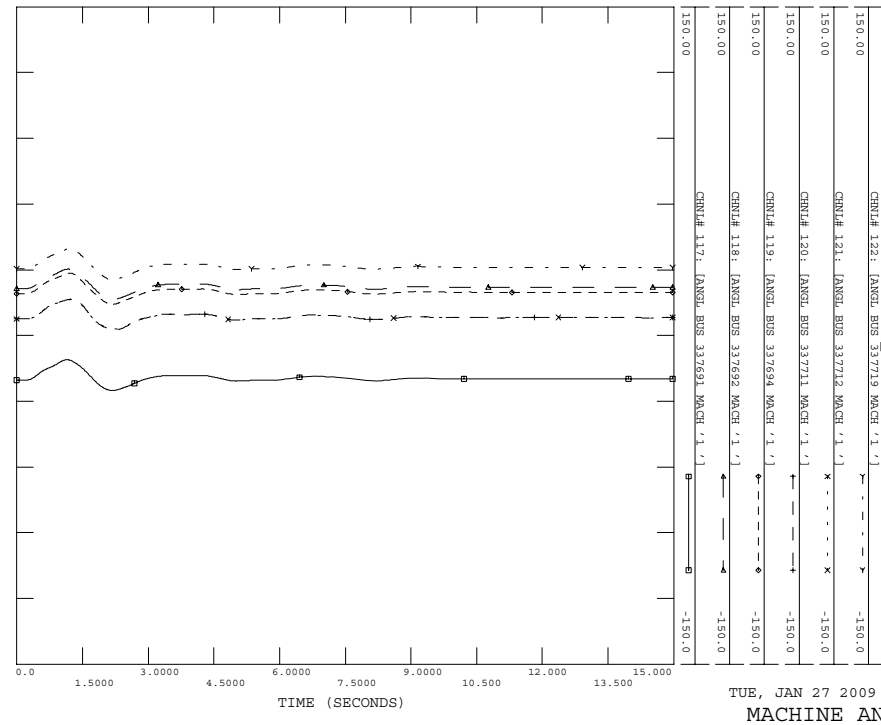




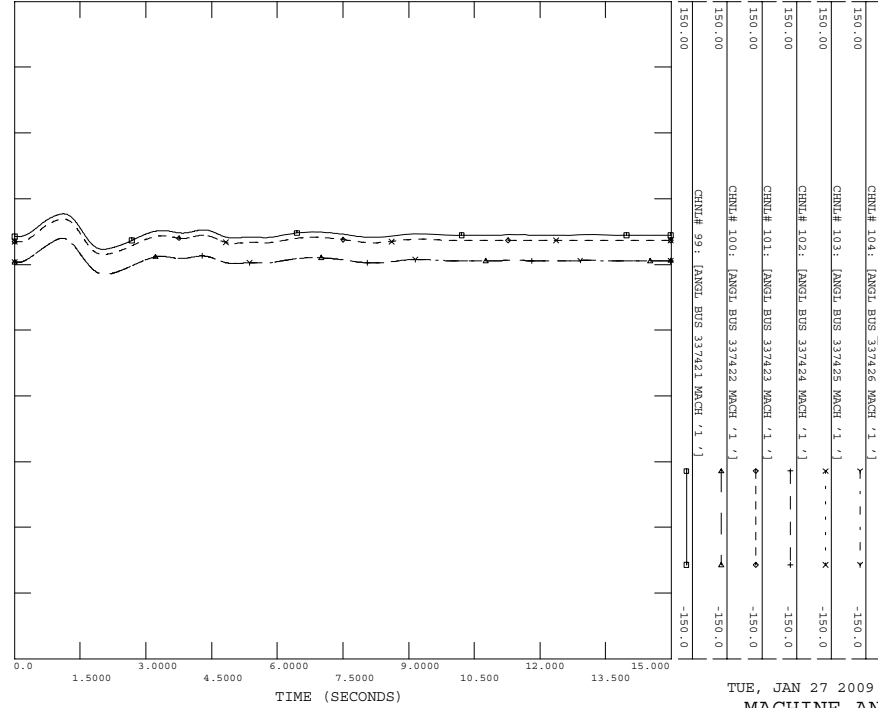
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9b.OUT



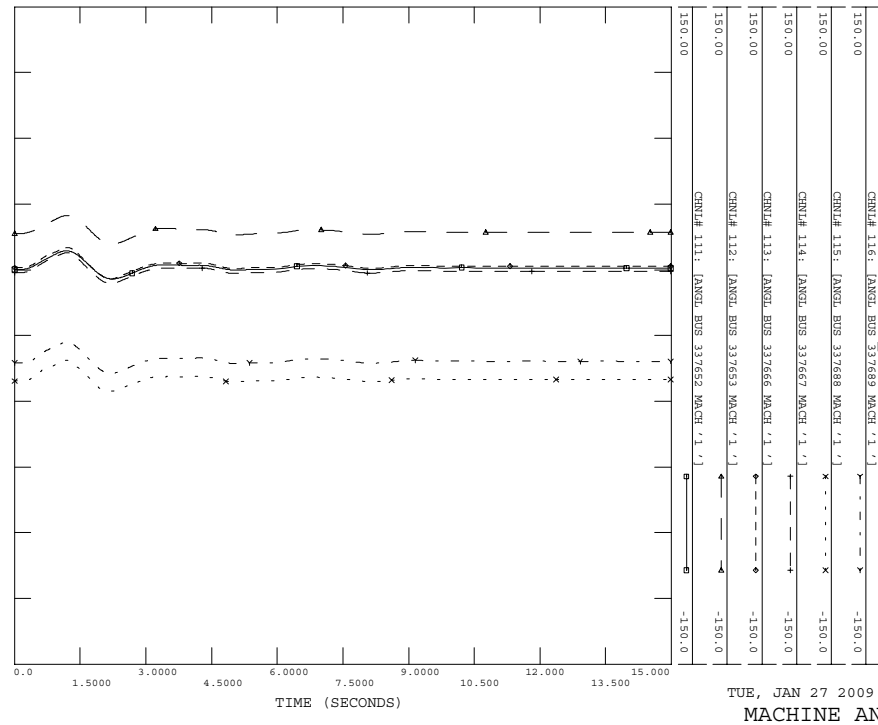
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9b.OUT



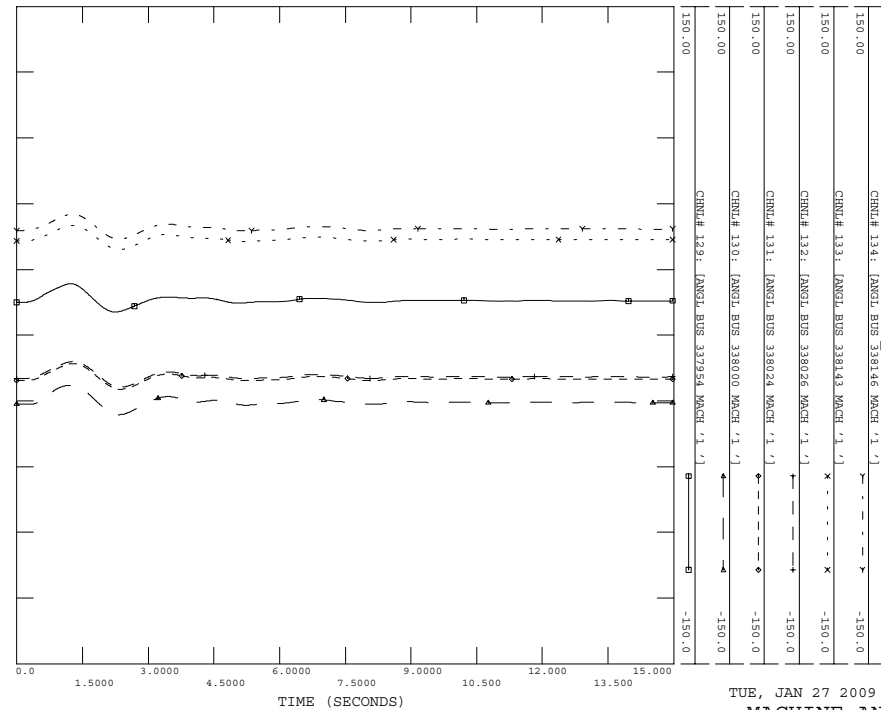
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9a.OUT



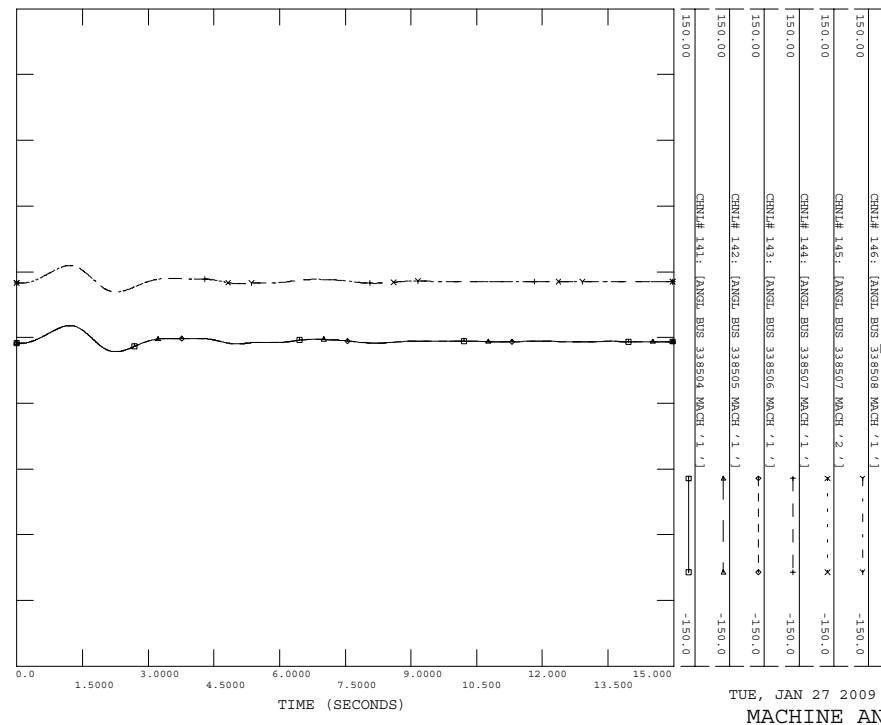
POST-PID225 CASE
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6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9a.OUT



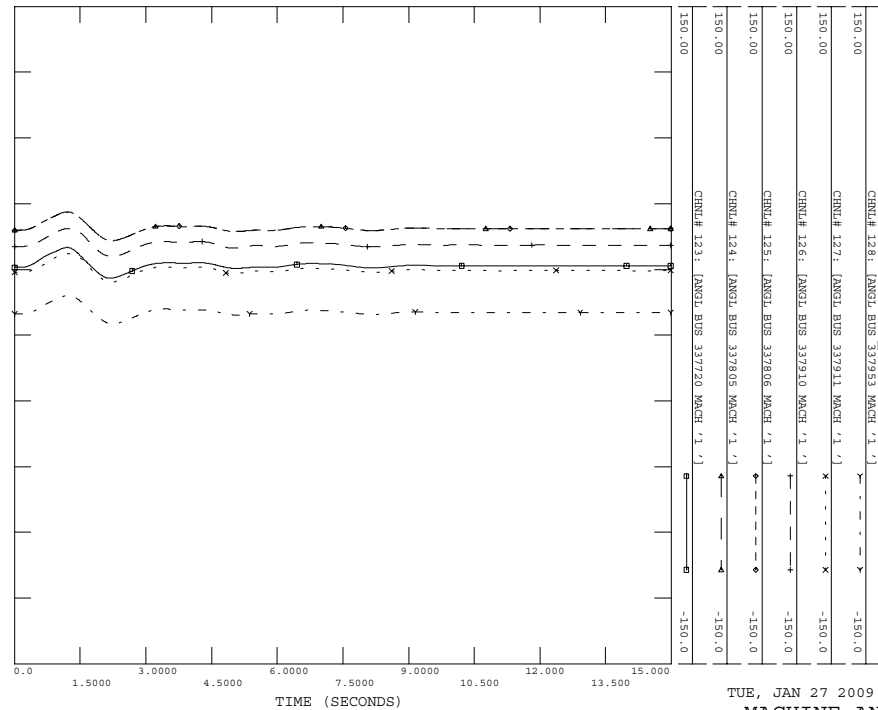
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



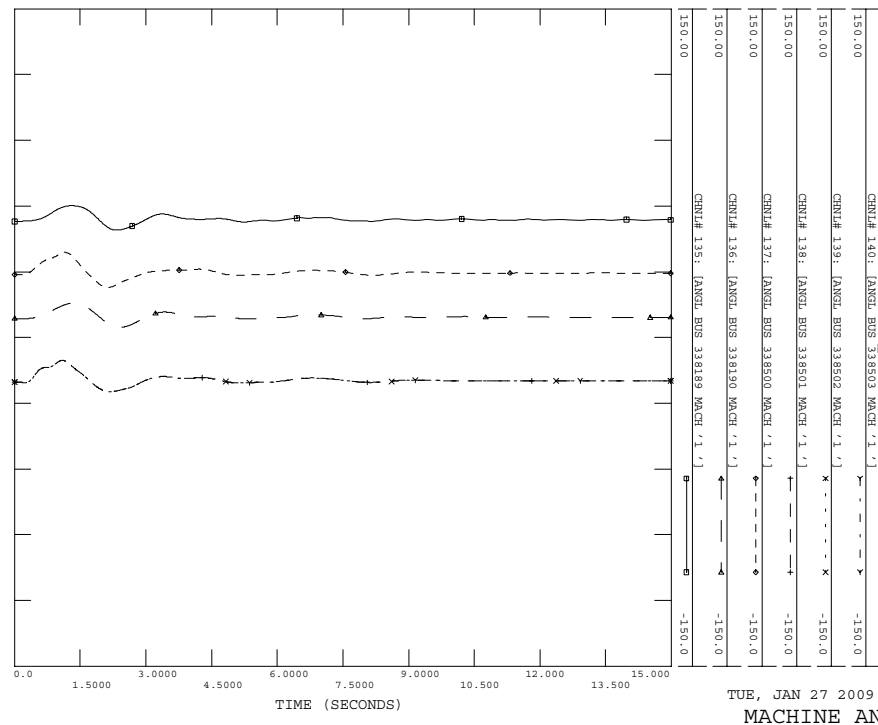
POST-PID25 CASE
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6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



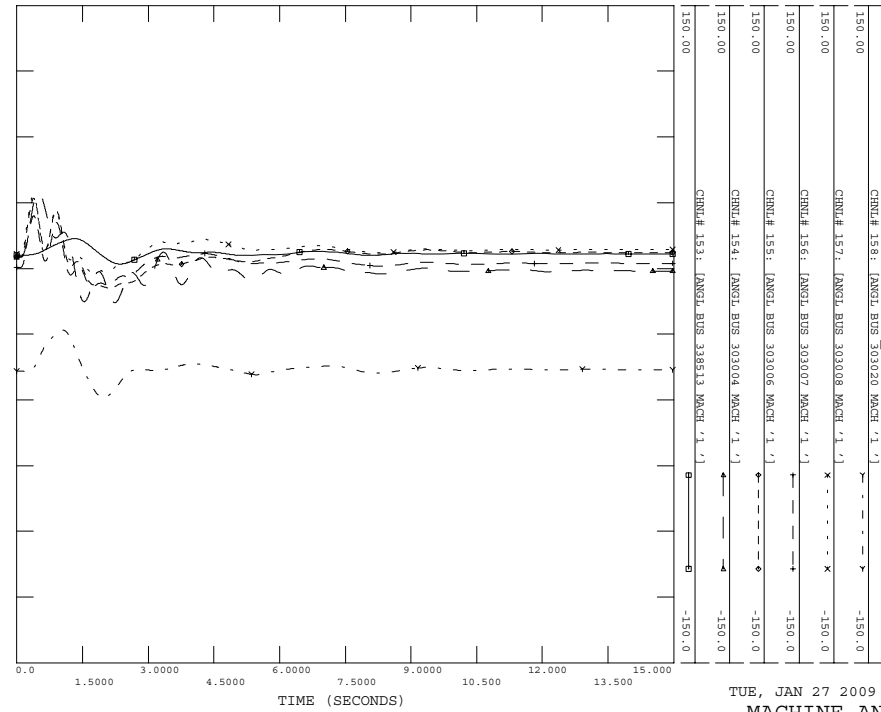
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



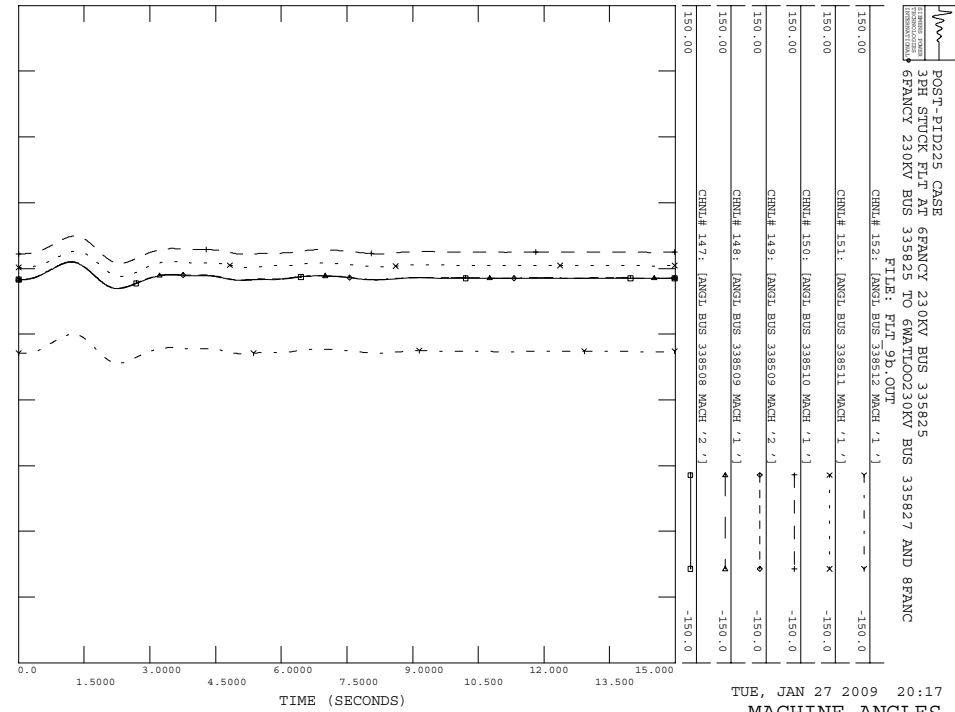
POST-PID25 CASE
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6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT_9P.OUT



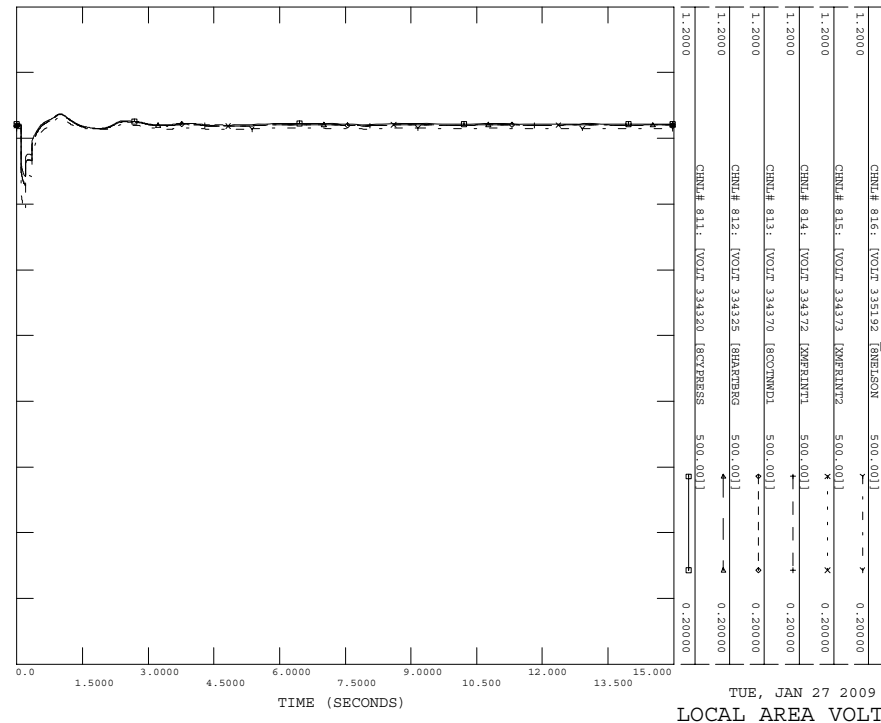
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9b.OUT



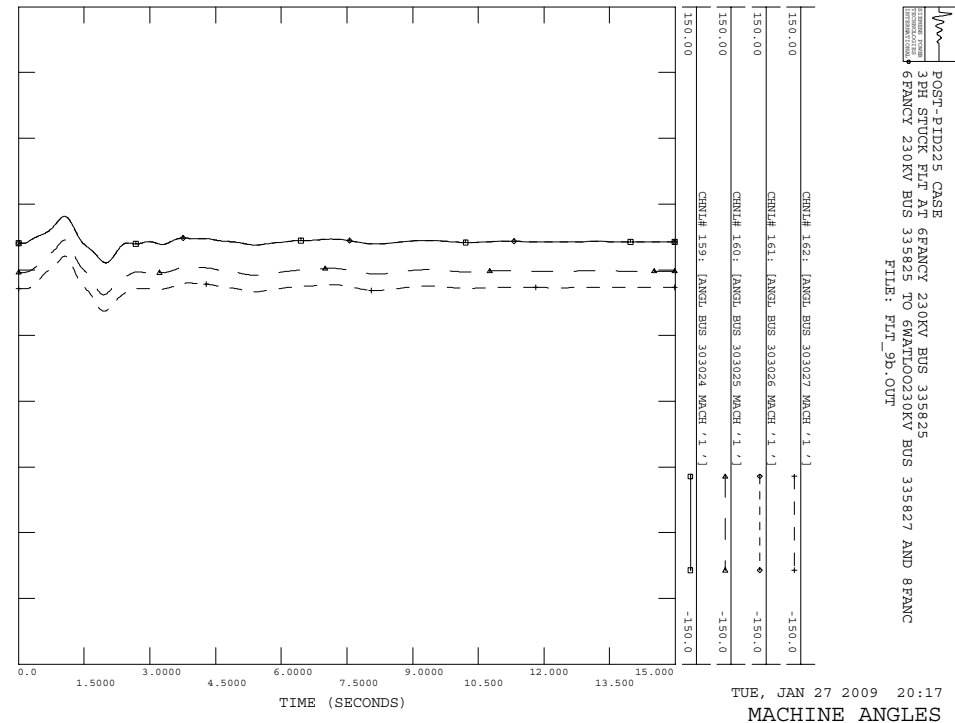
POST-PID25 CASE
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6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9b.OUT



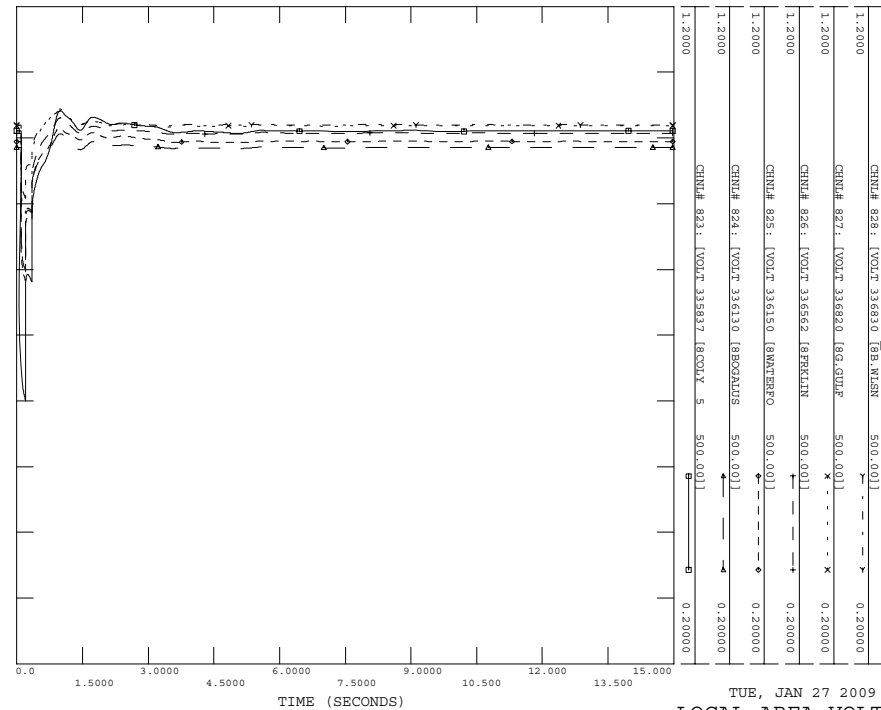
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9b.OUT



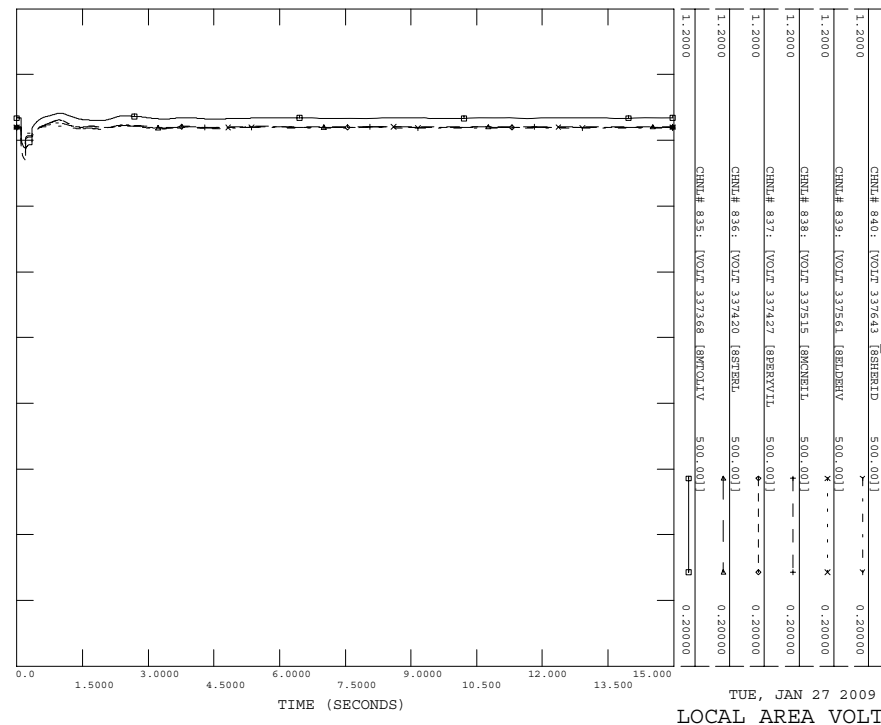
POST-PID25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00230KV BUS 335827 AND 8PANC
FILE: FLT_9b.OUT



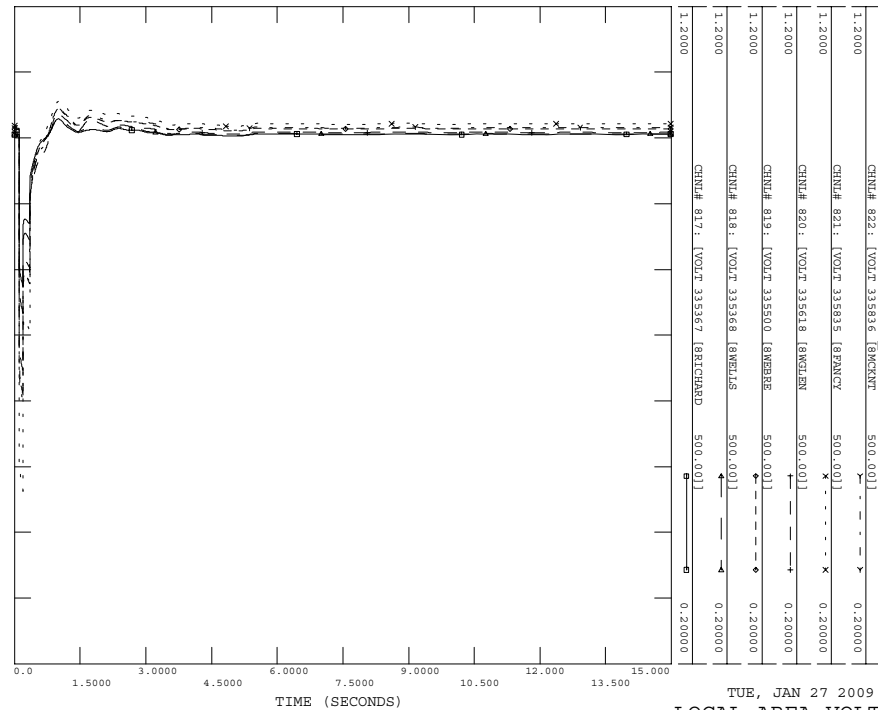
POST-PTD225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT



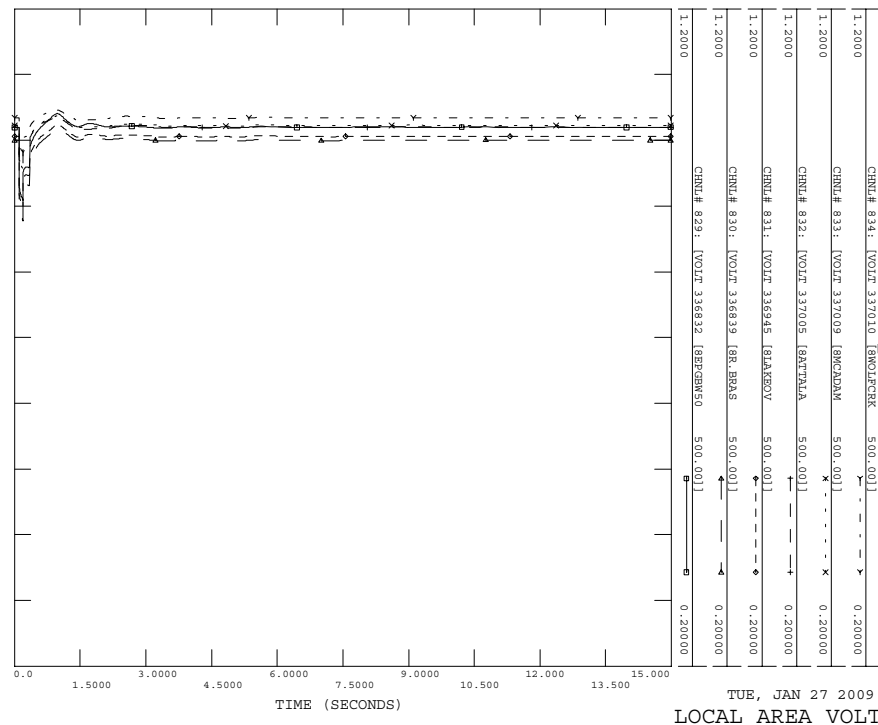
POST-PTD225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MAT100230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT



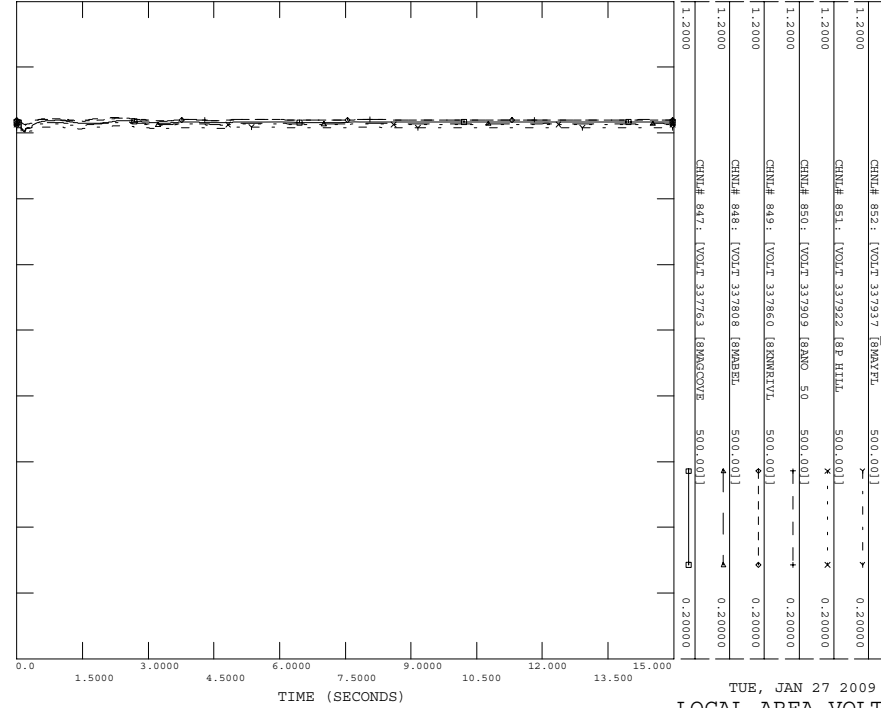
POST-PTD225 CASE
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6PANCY 230KV BUS 335825 TO 6MAT100230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT



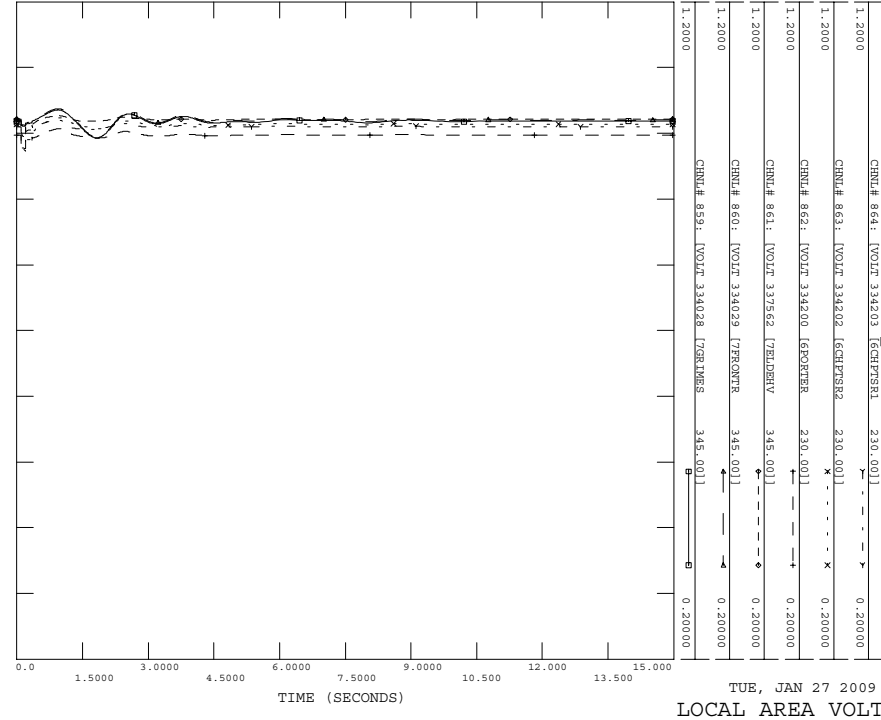
POST-PTD225 CASE
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6PANCY 230KV BUS 335825 TO 6MAT100230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT



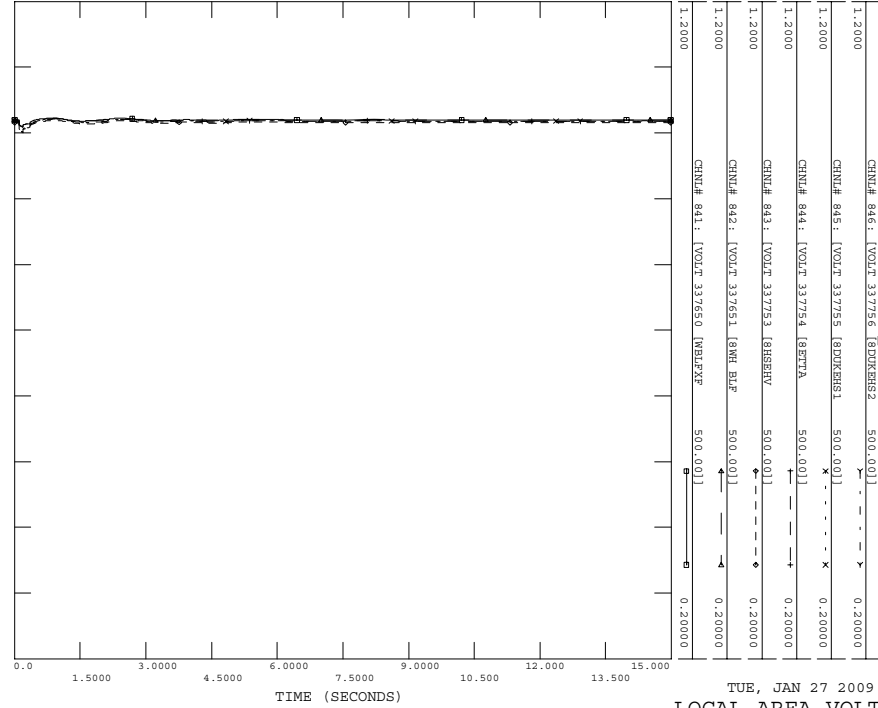
POST-PTD25 CASE
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6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT



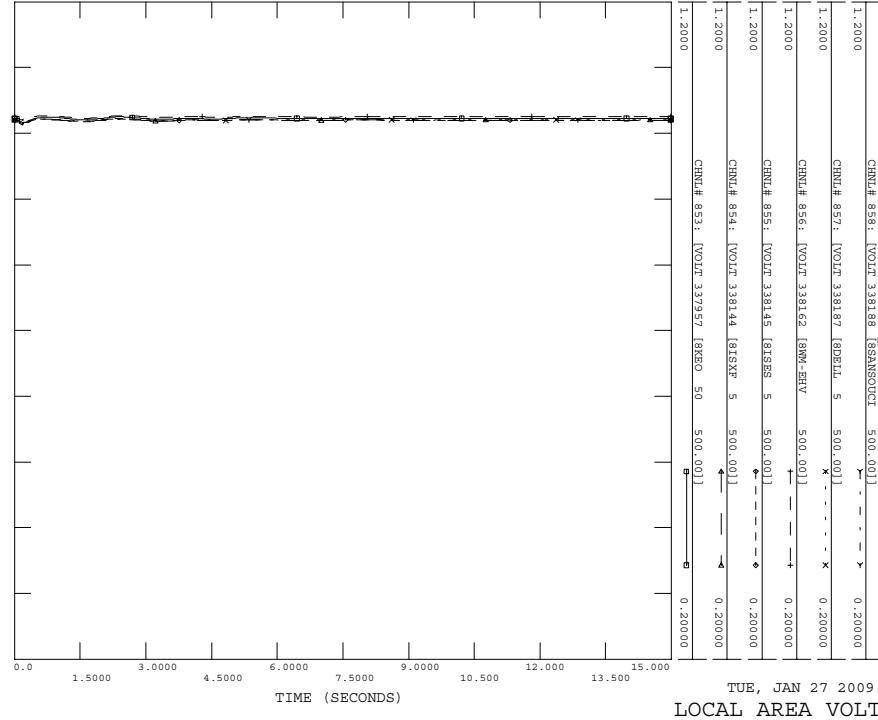
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT

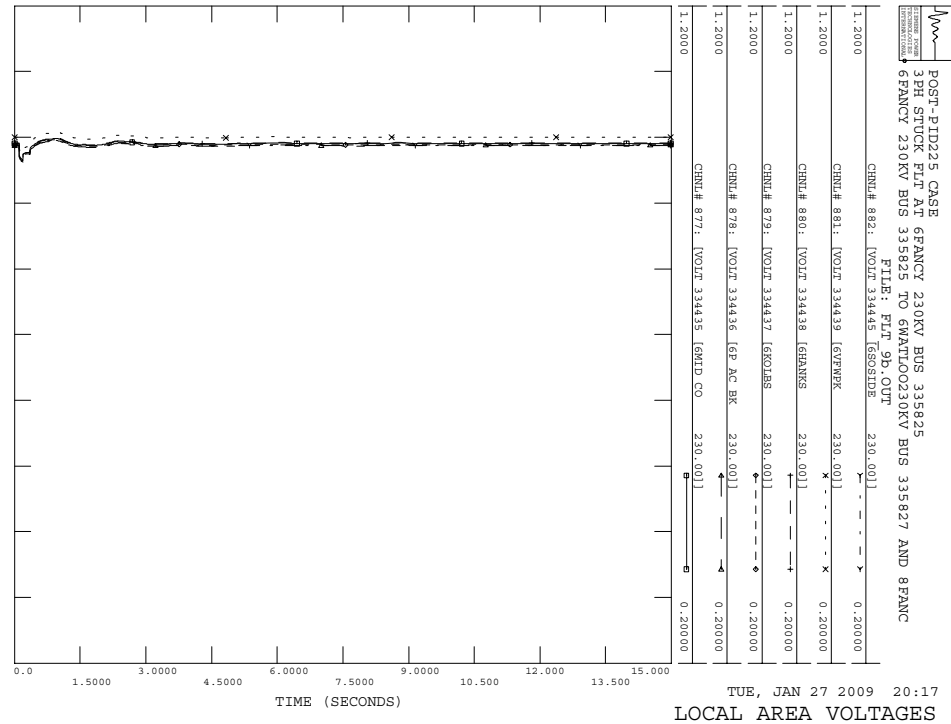
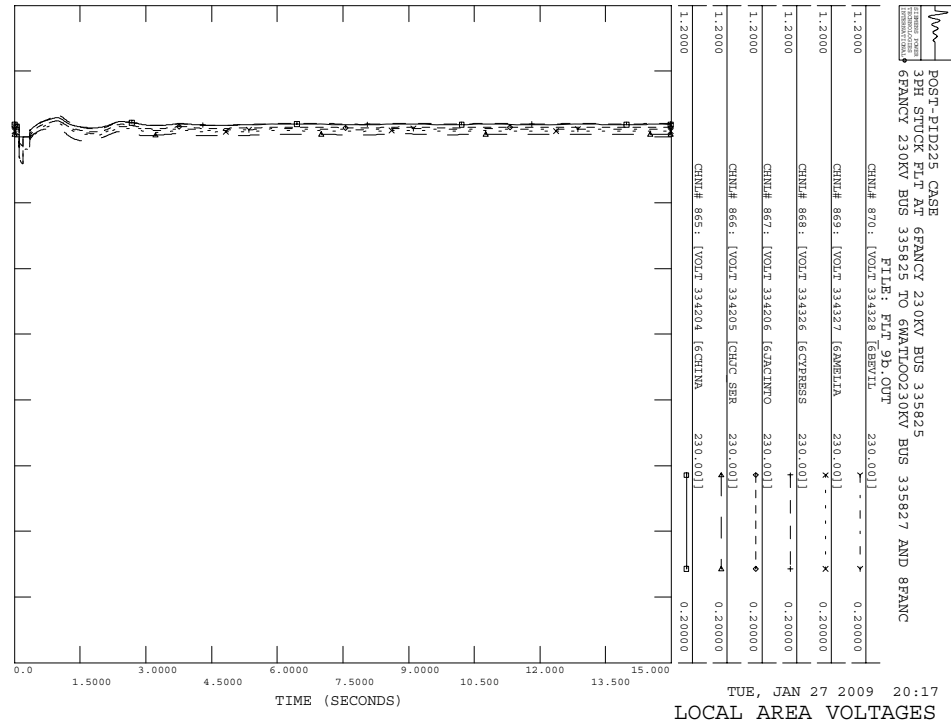
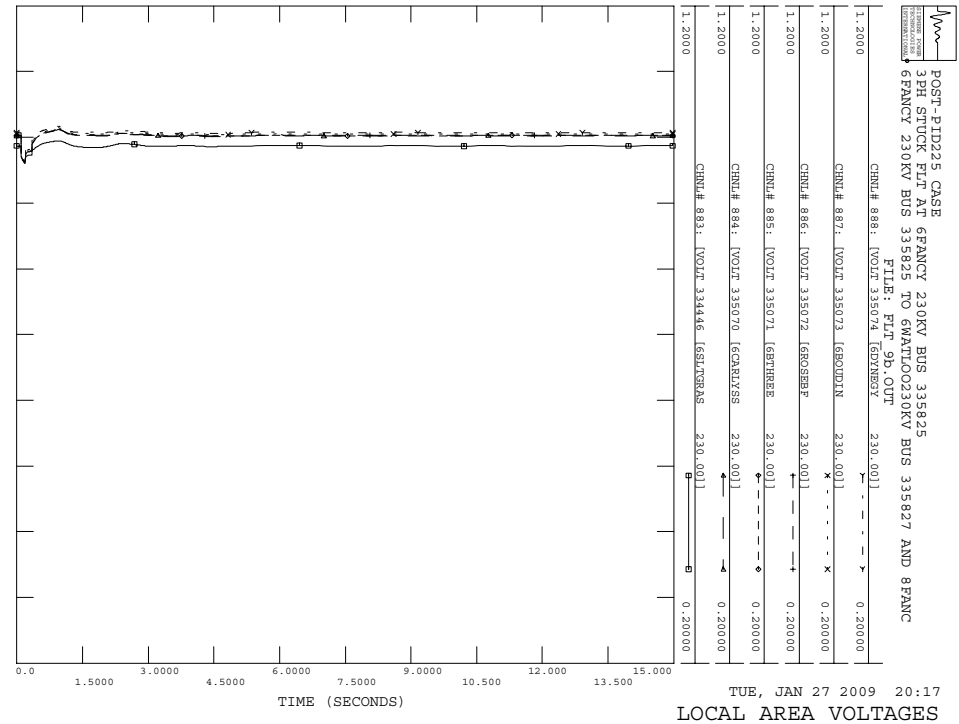
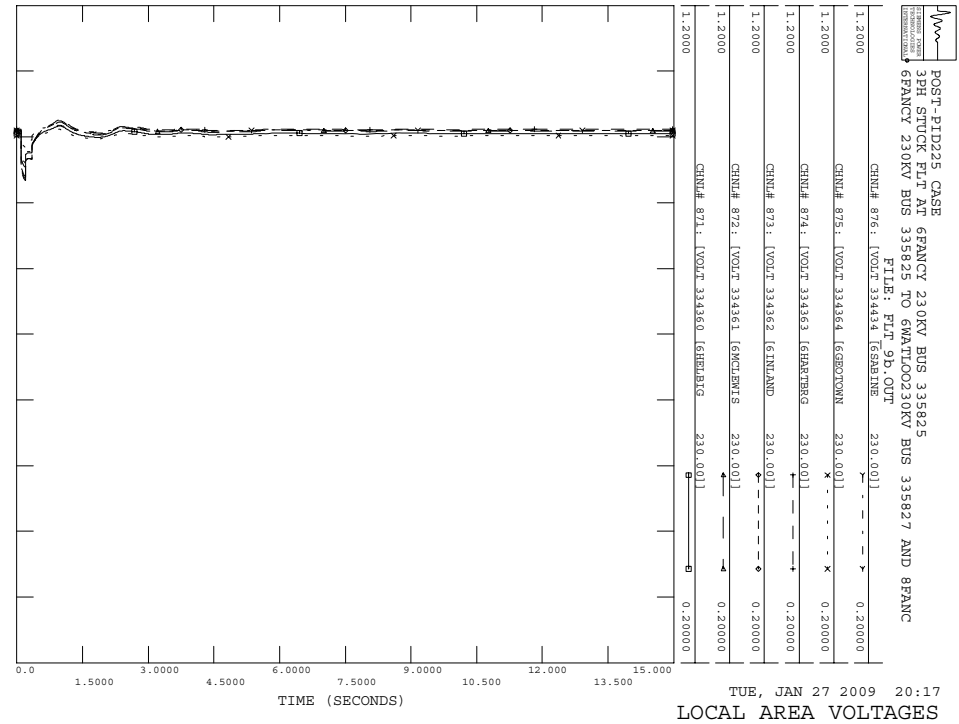


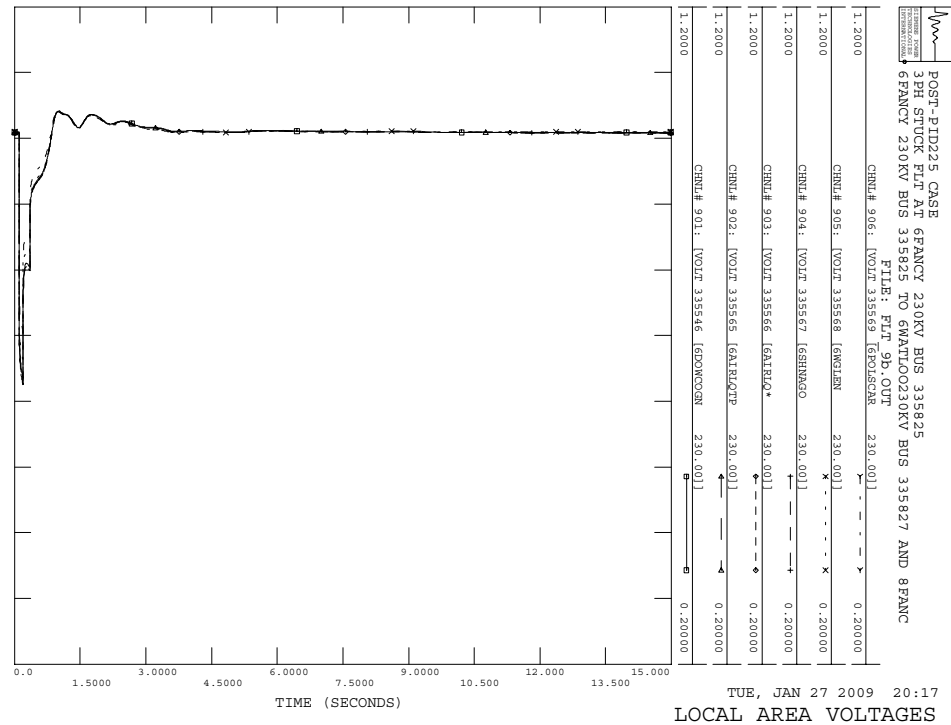
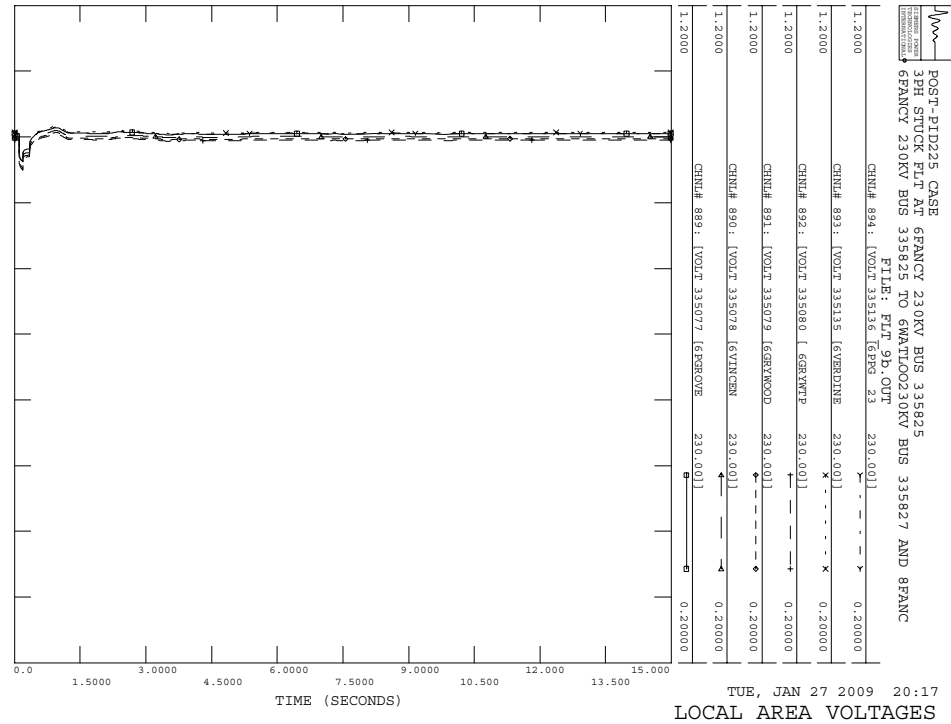
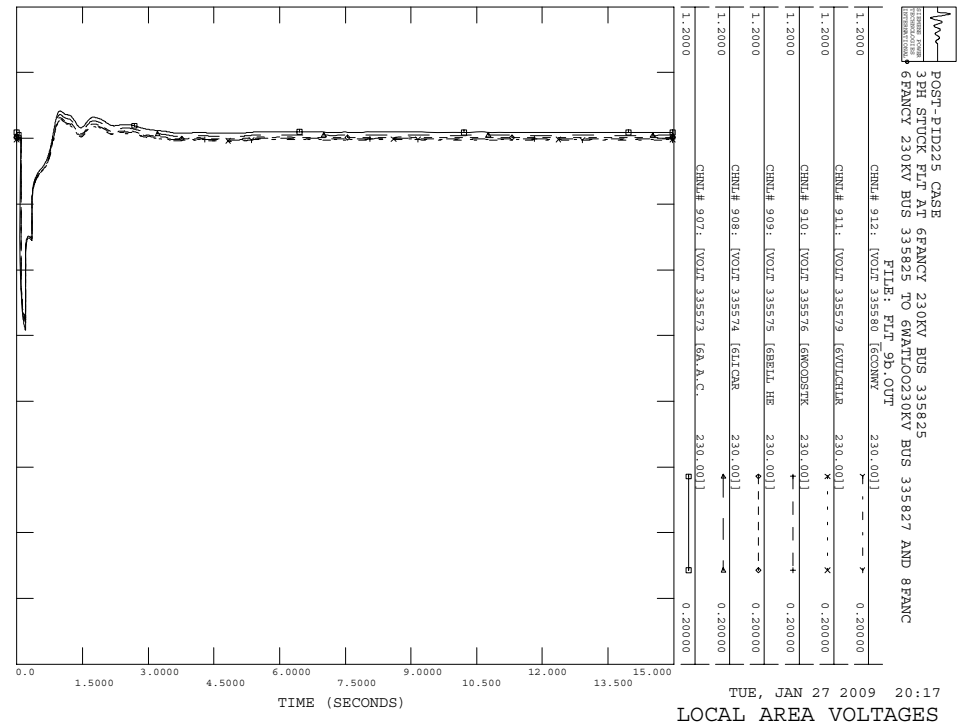
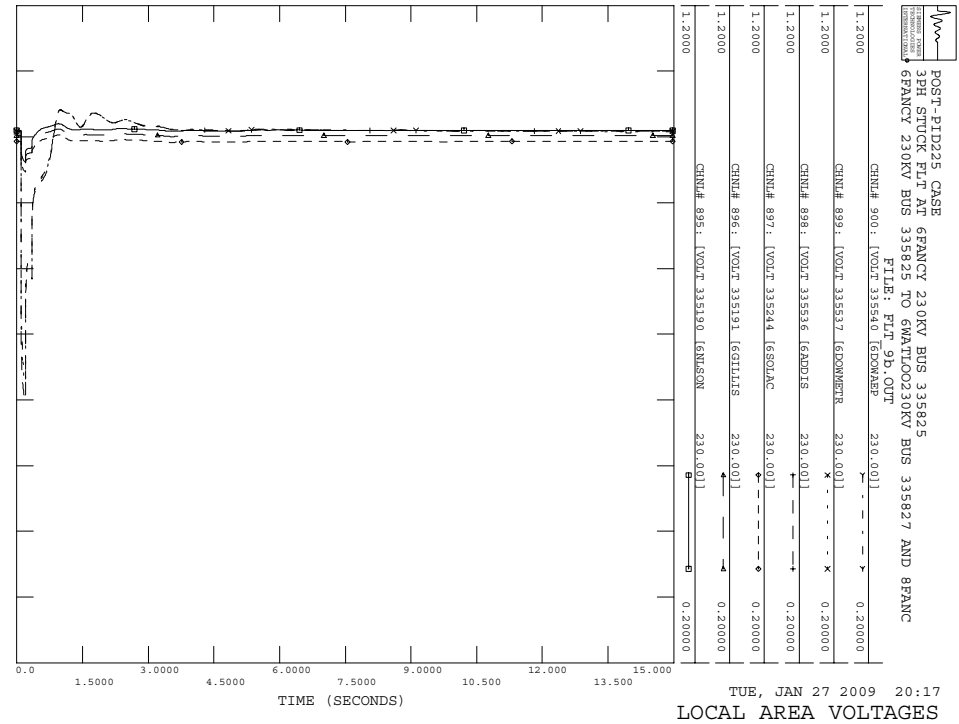
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT

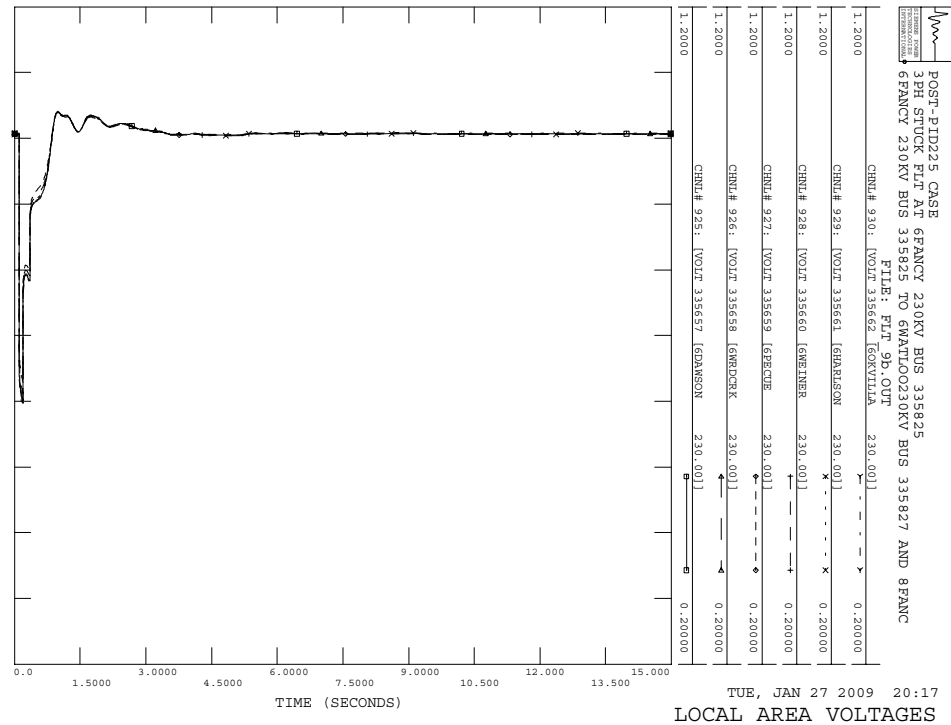
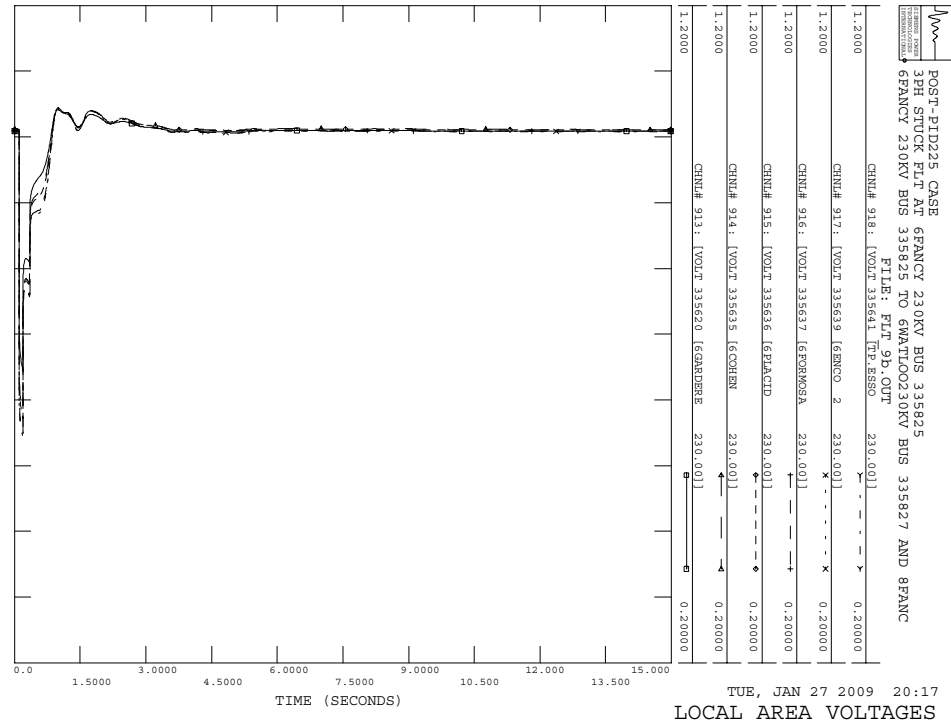
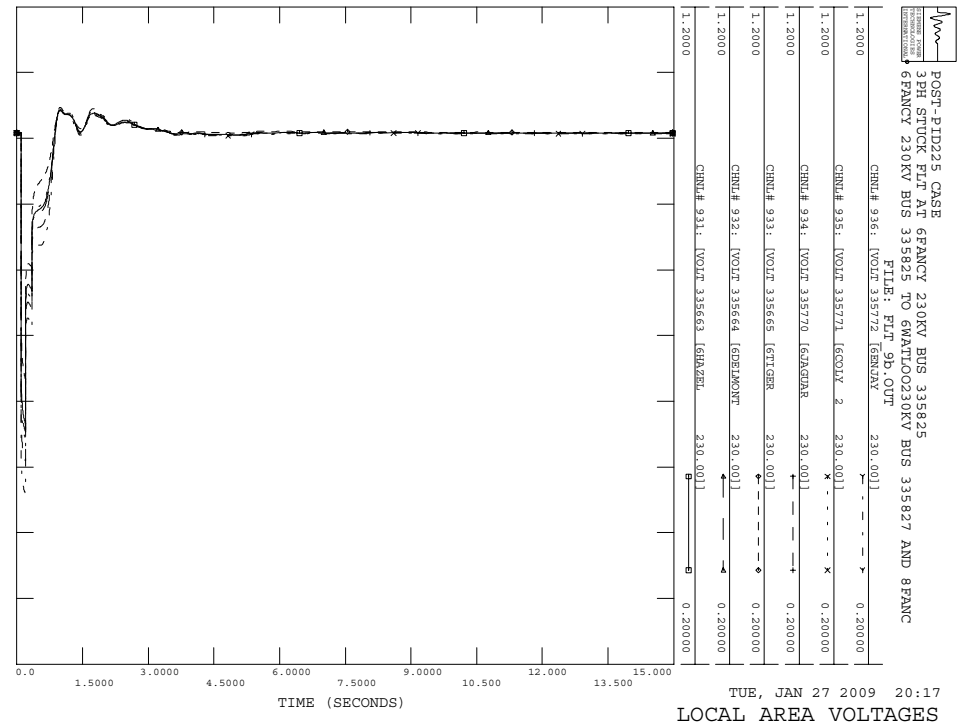
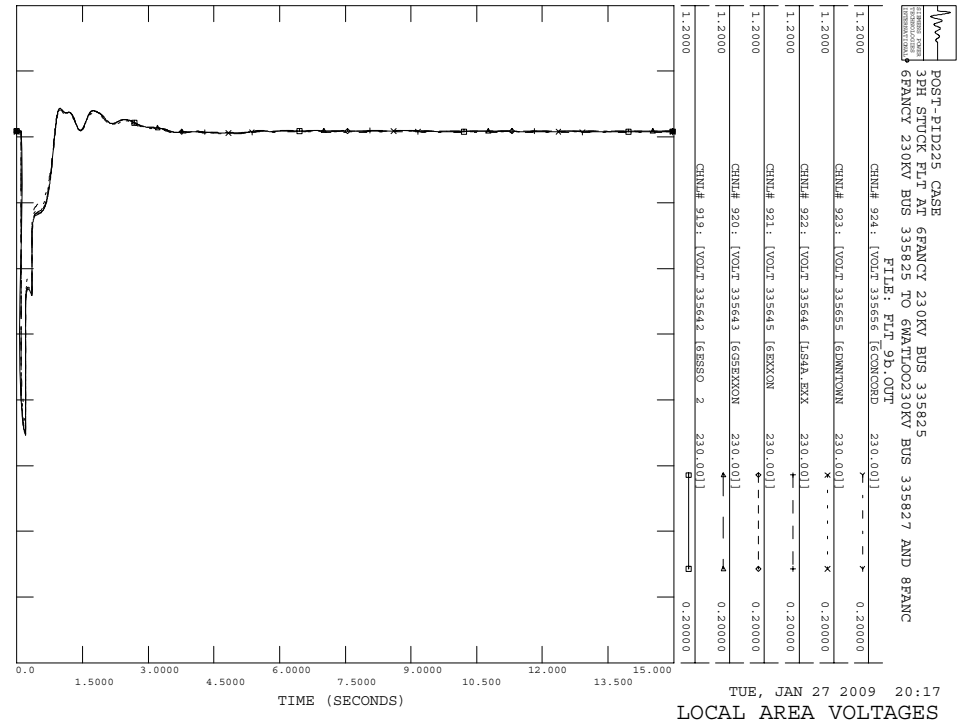


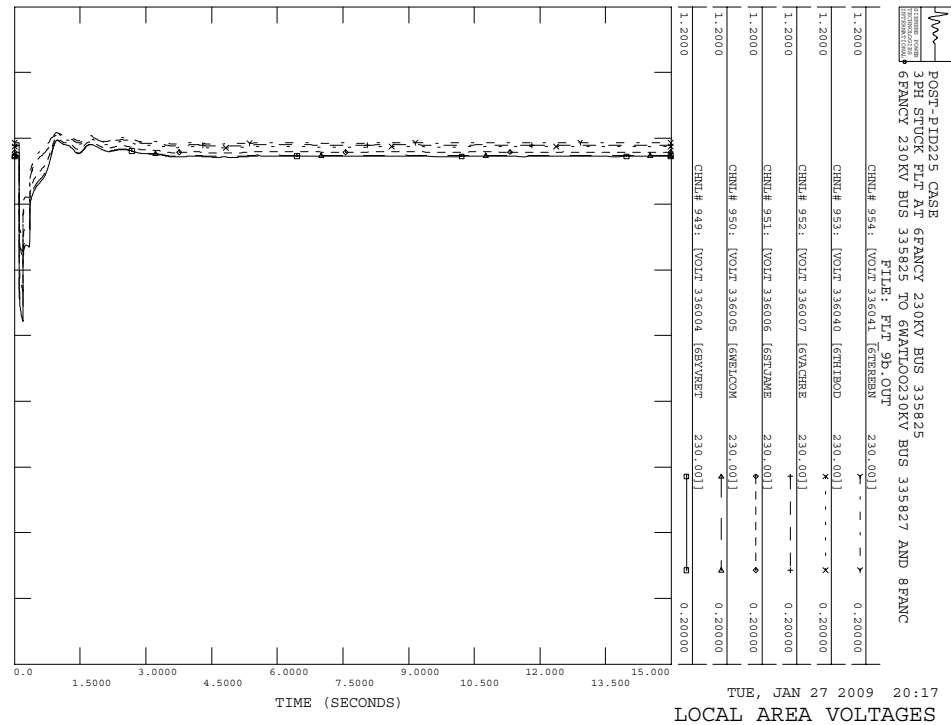
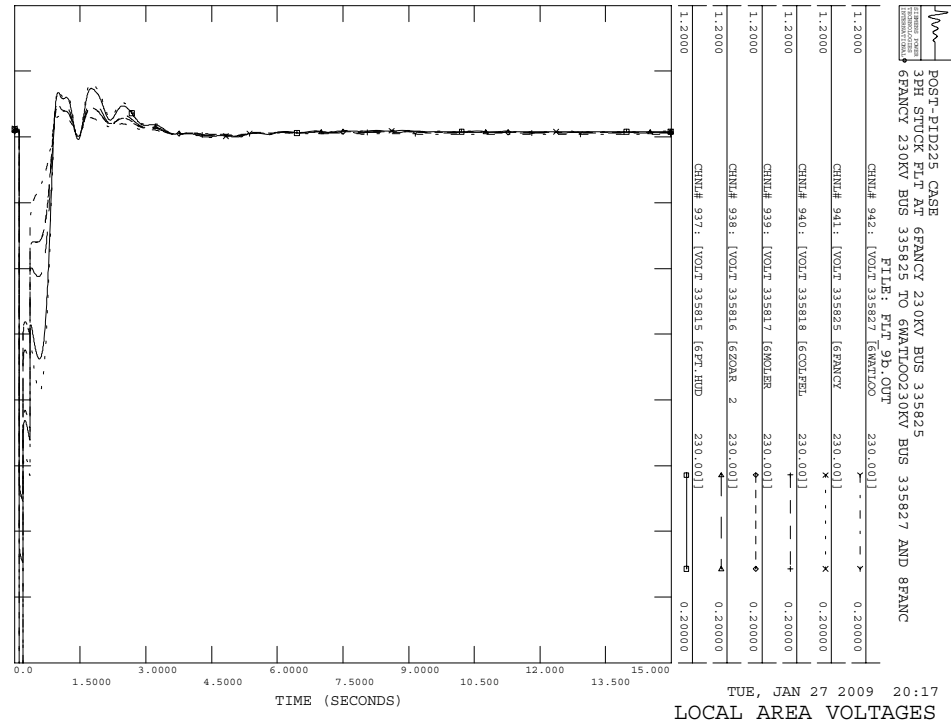
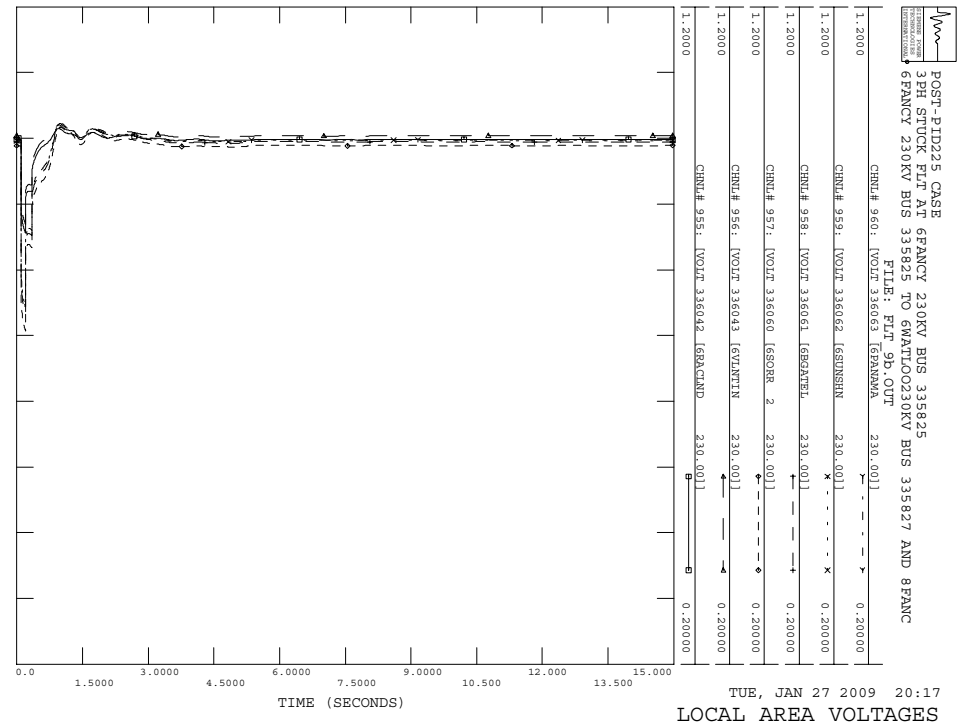
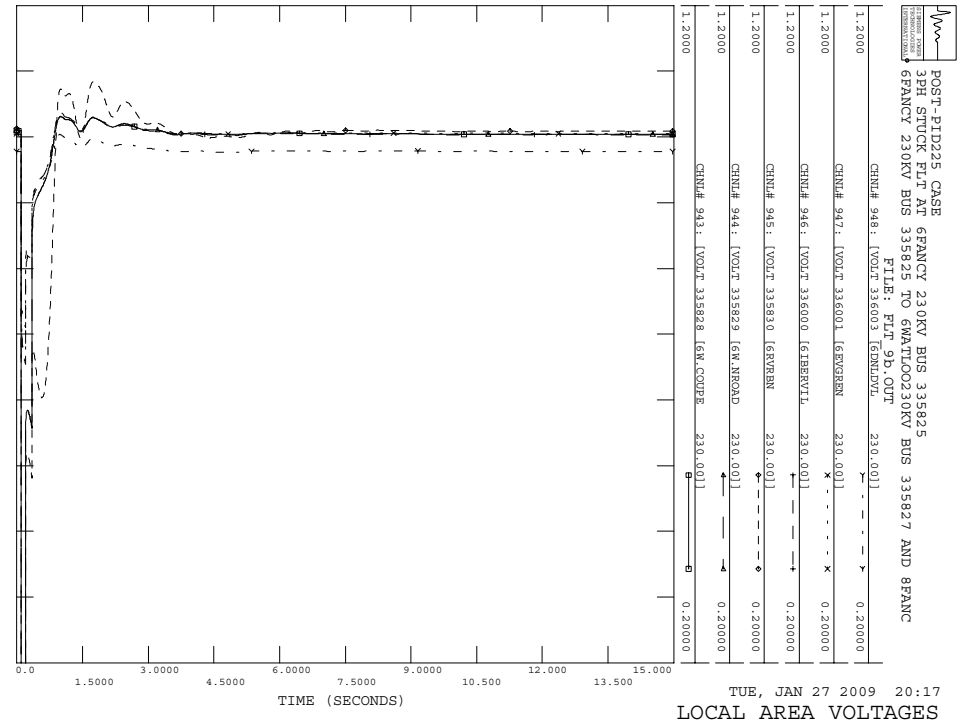
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATLOO230KV BUS 335827 AND 8PANC
FILE: FLT 9b.OUT

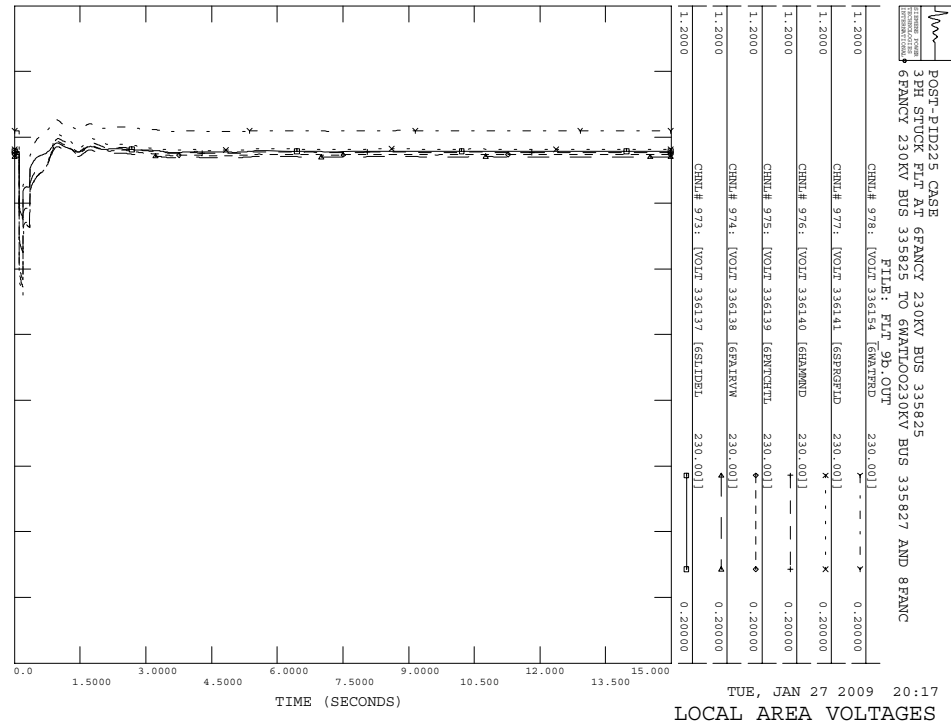
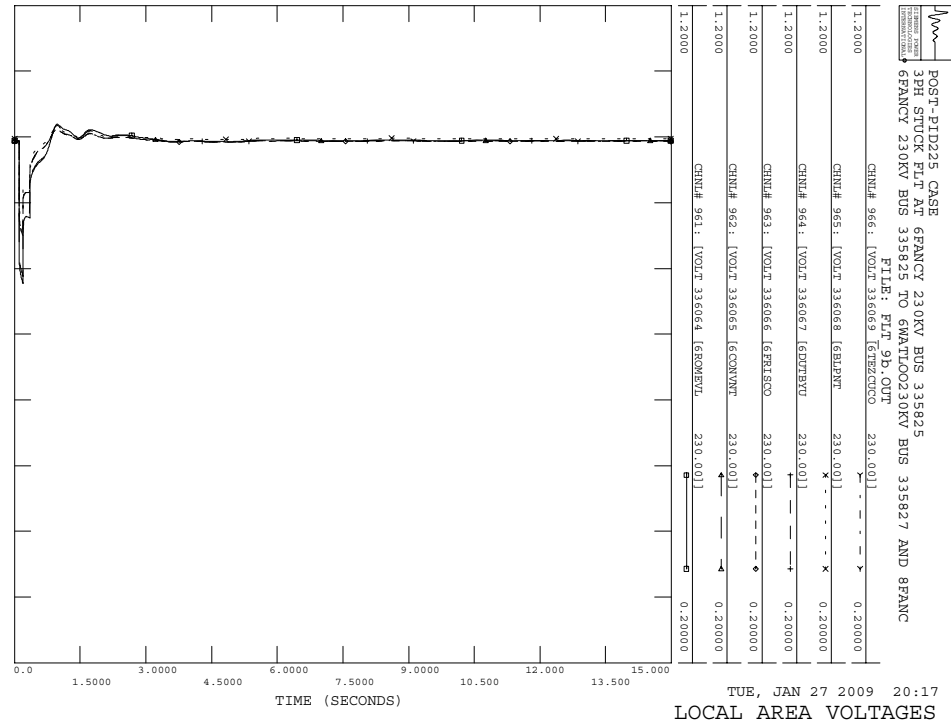
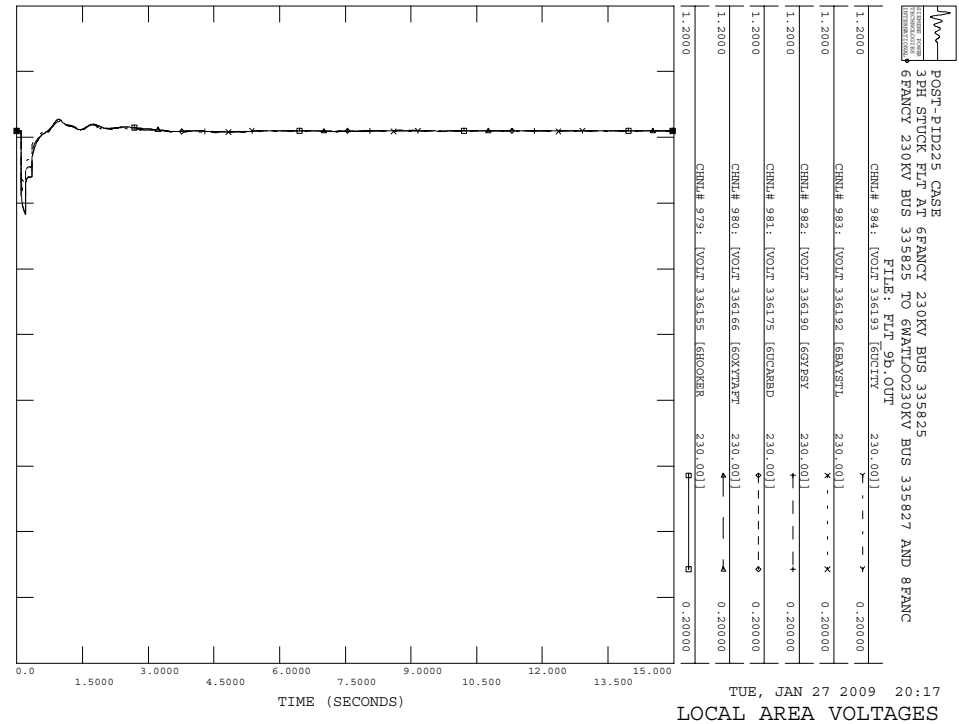
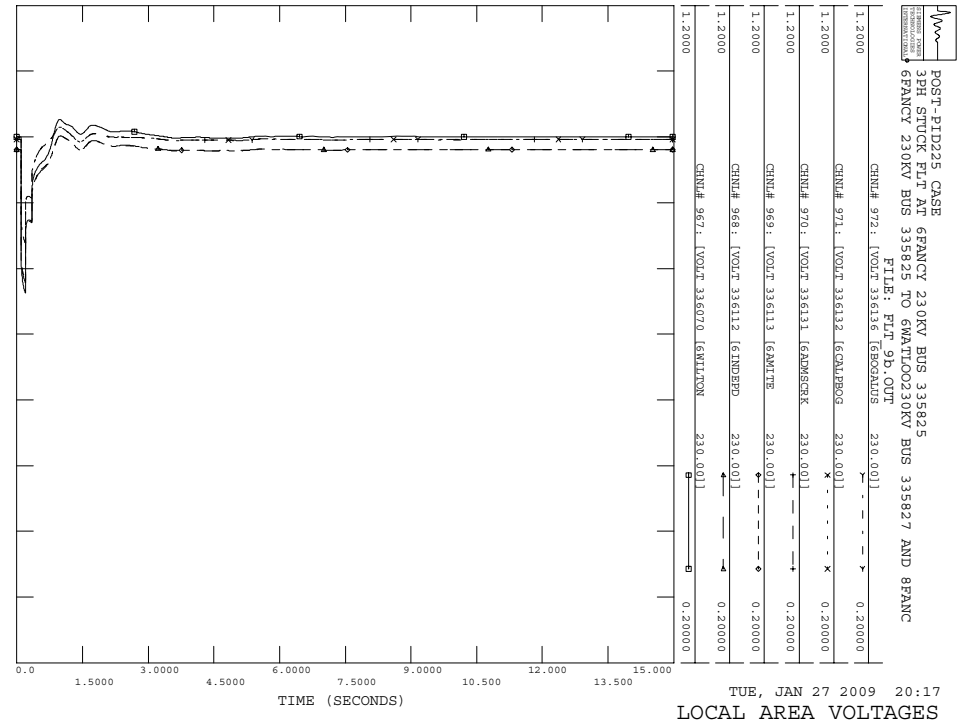


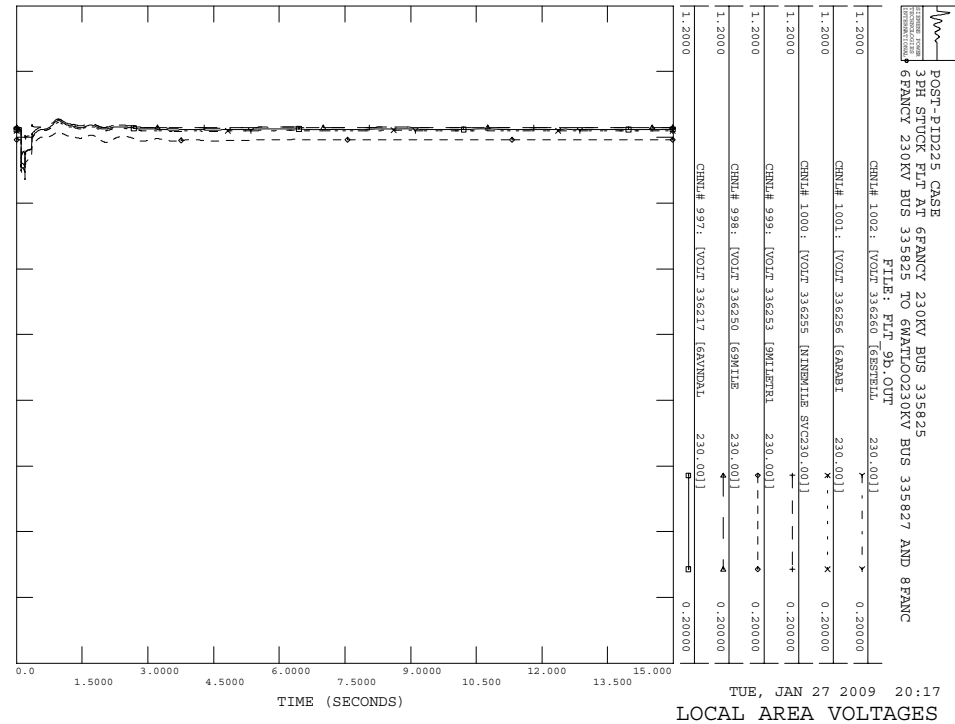
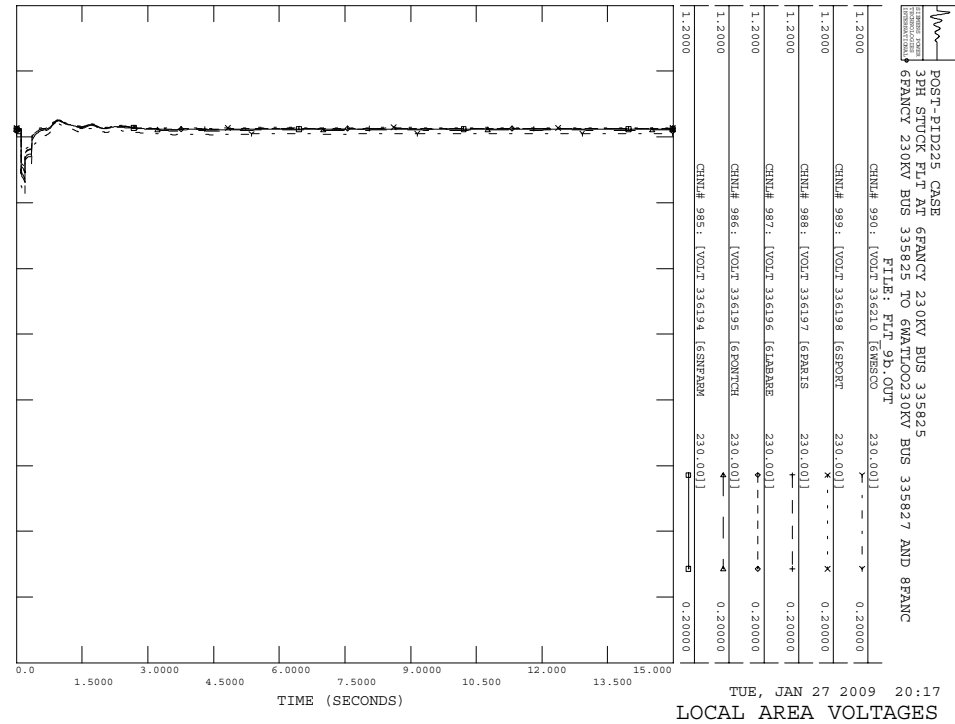
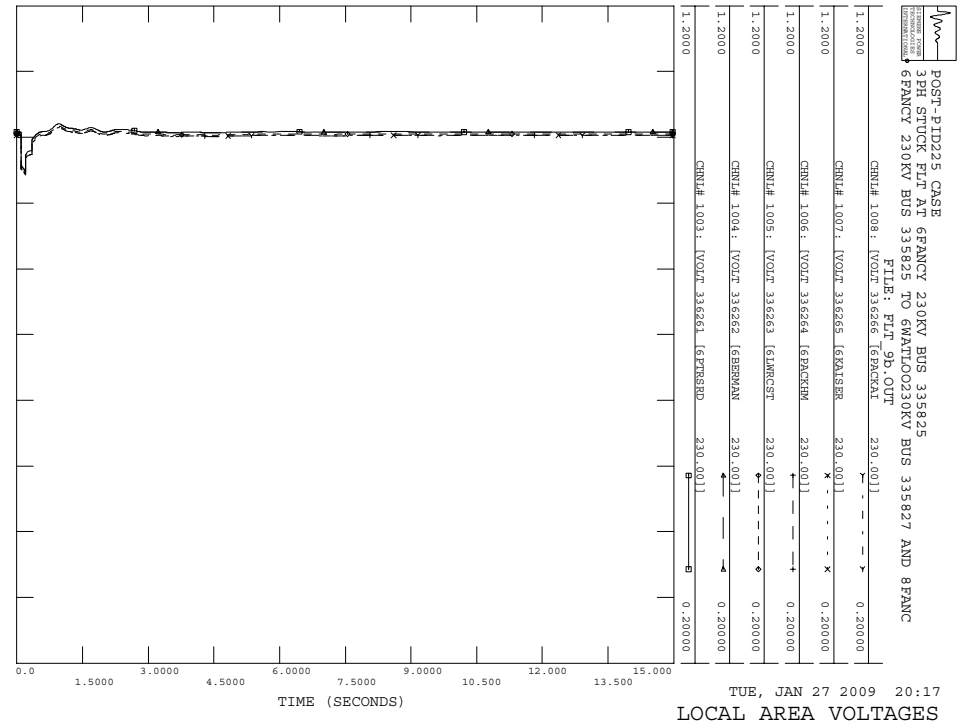
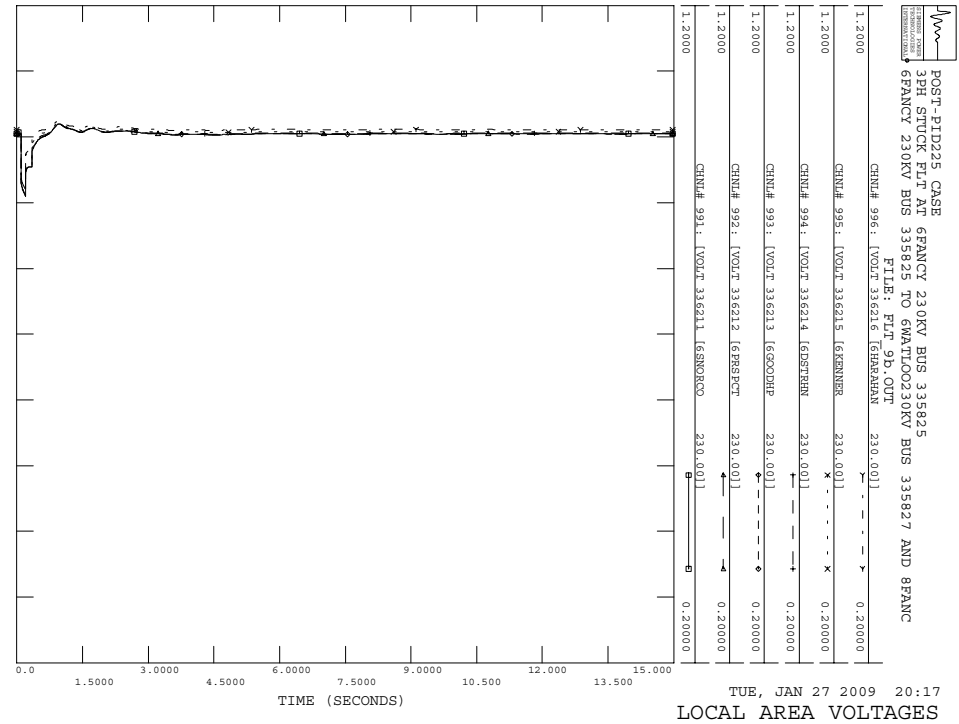


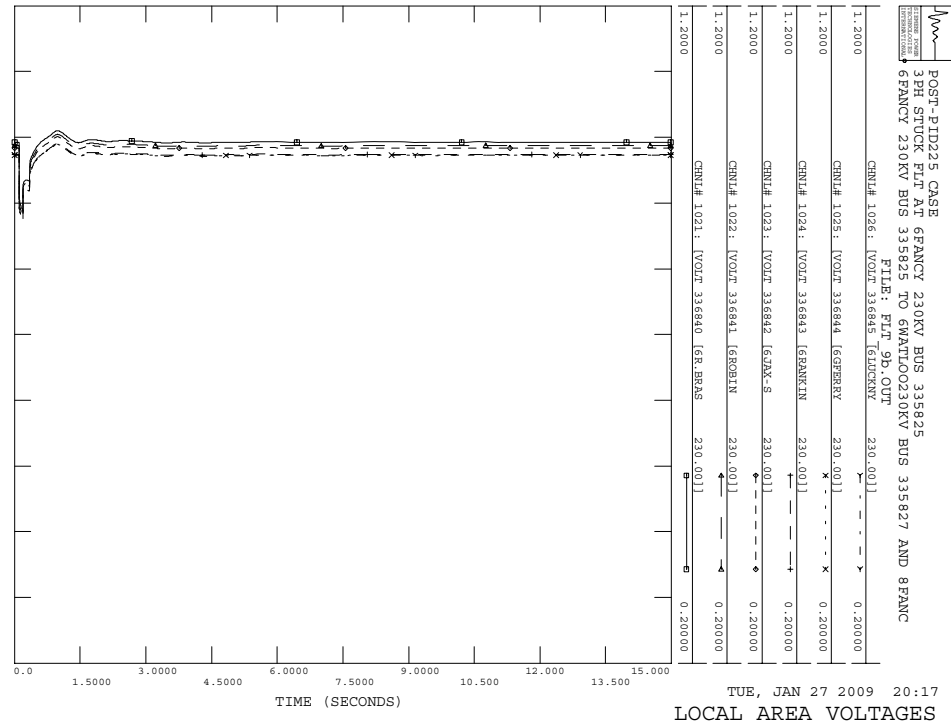
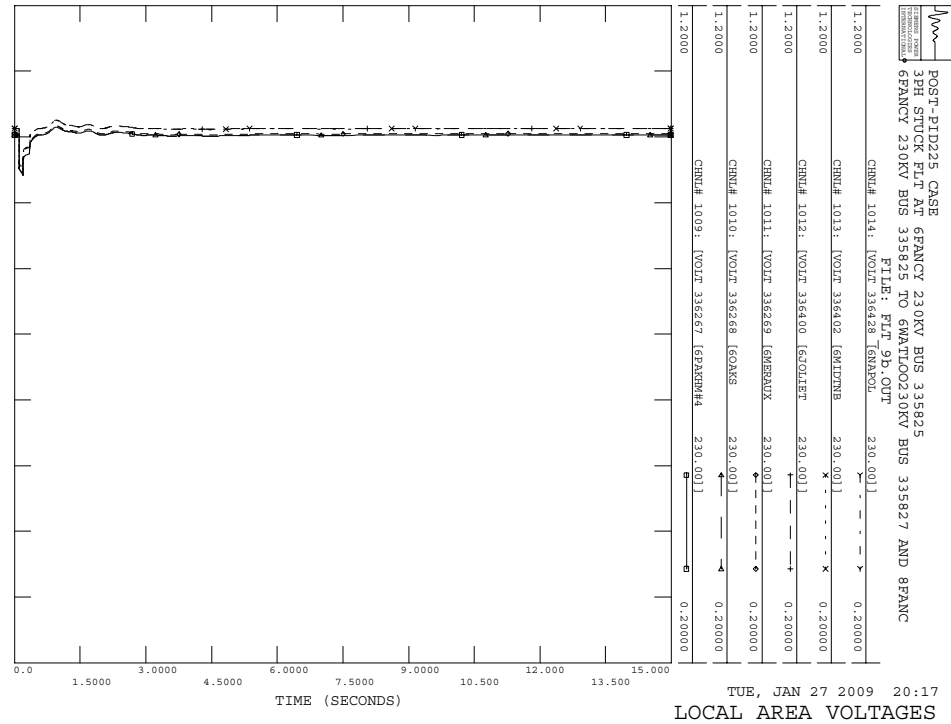
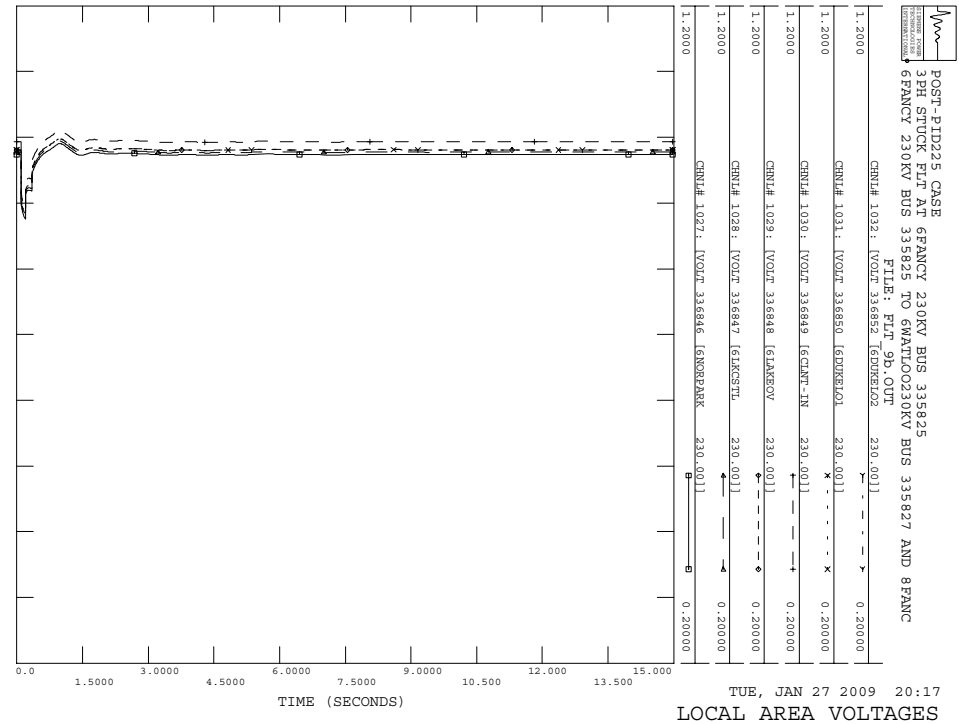
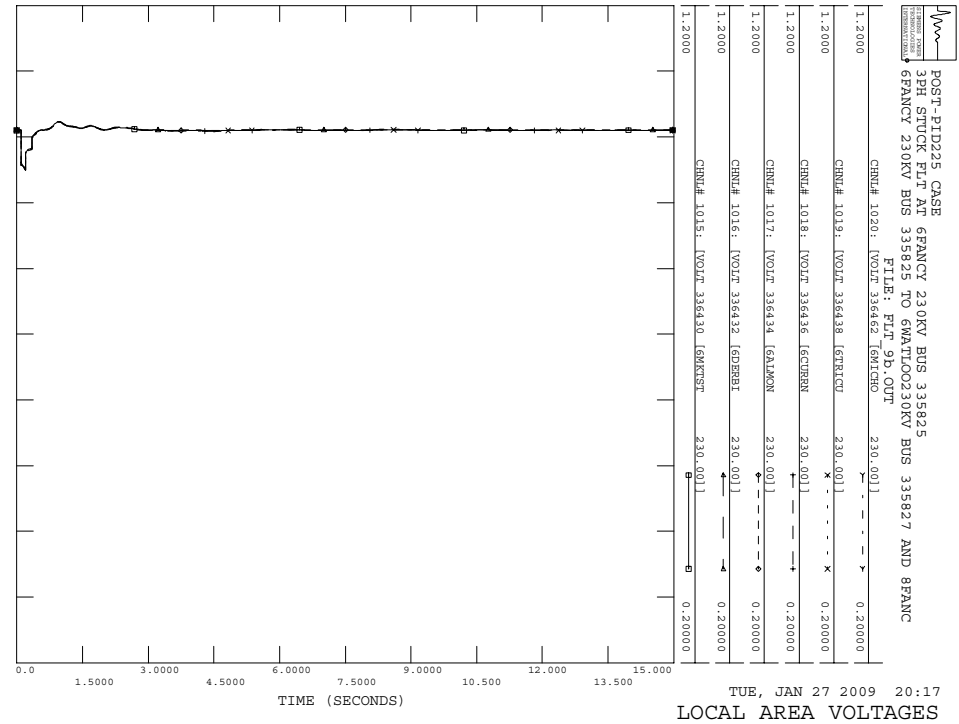


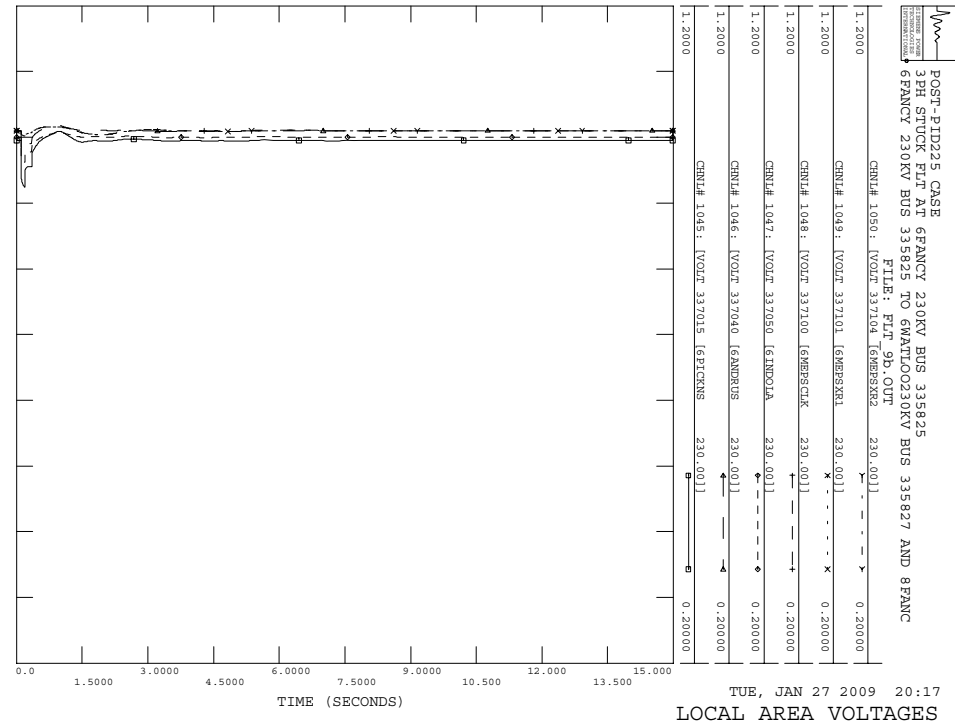
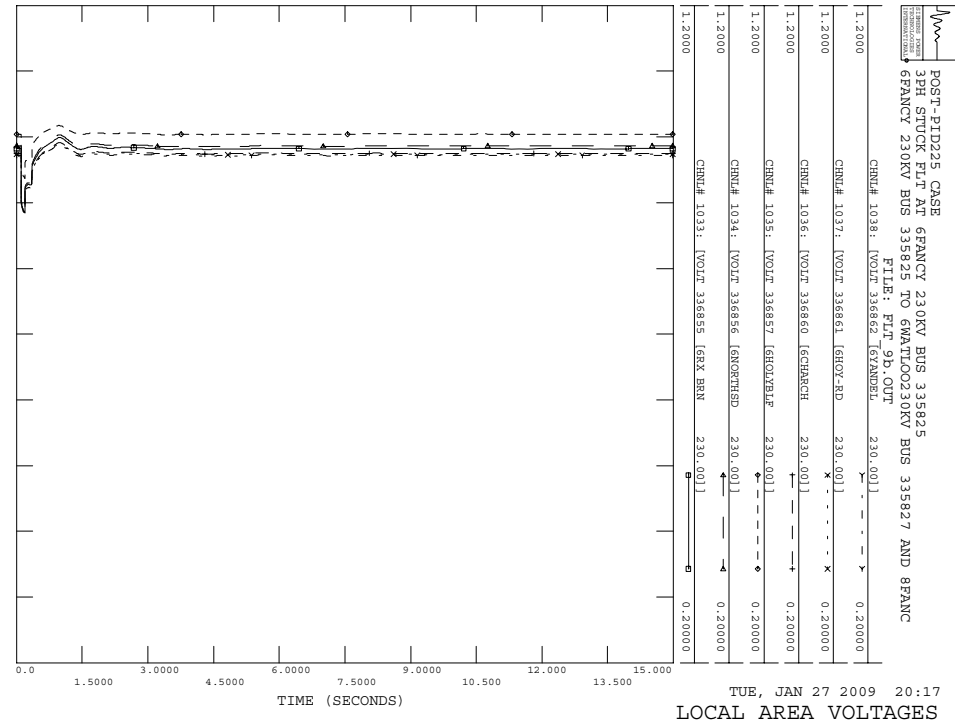
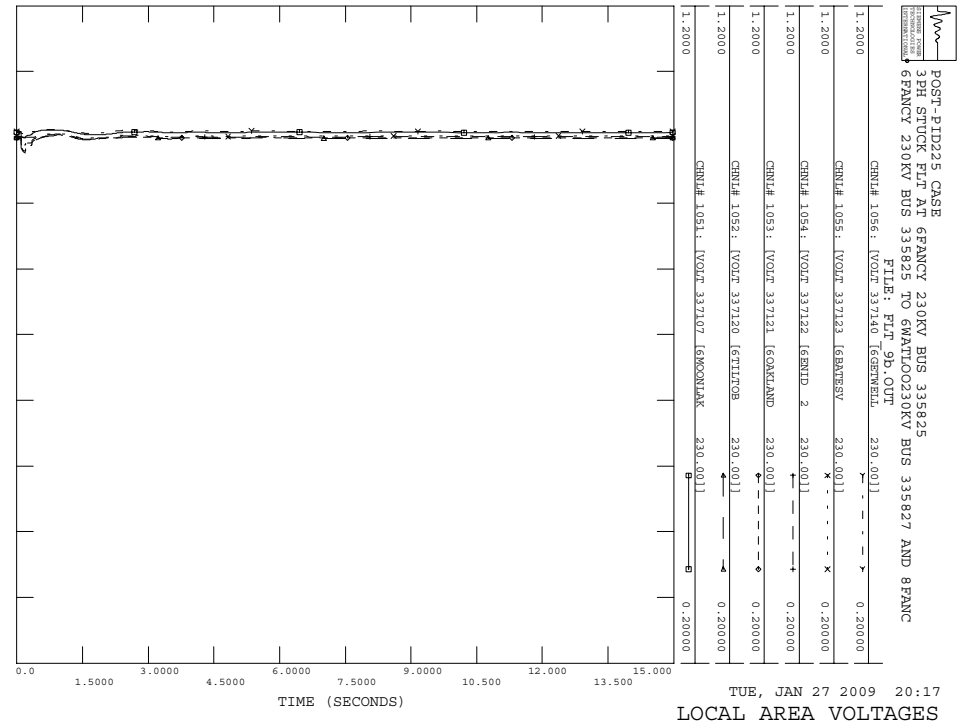
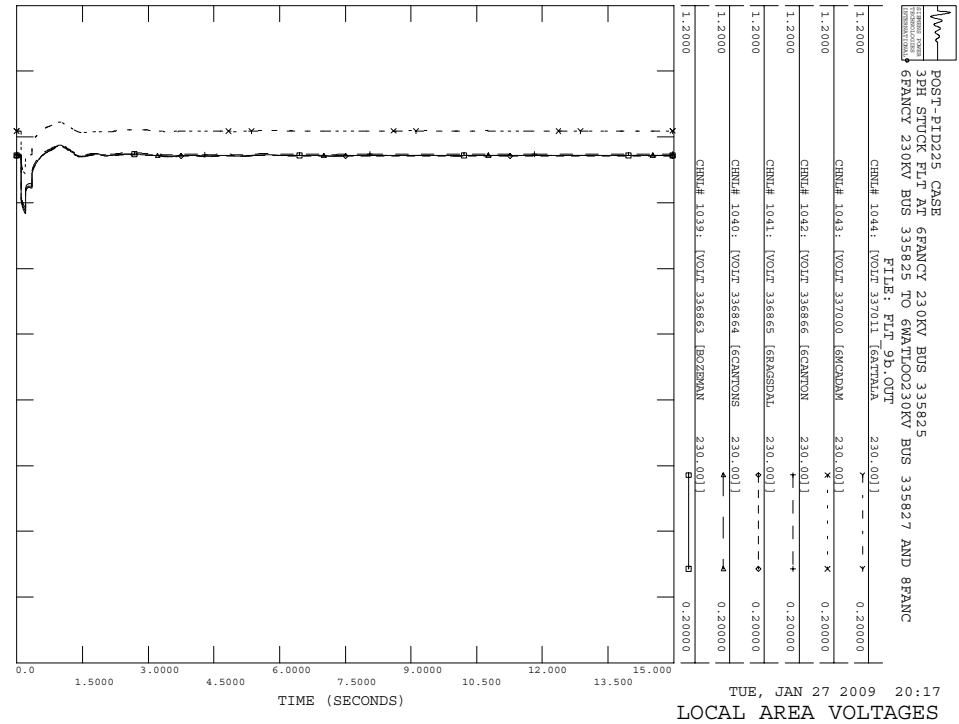


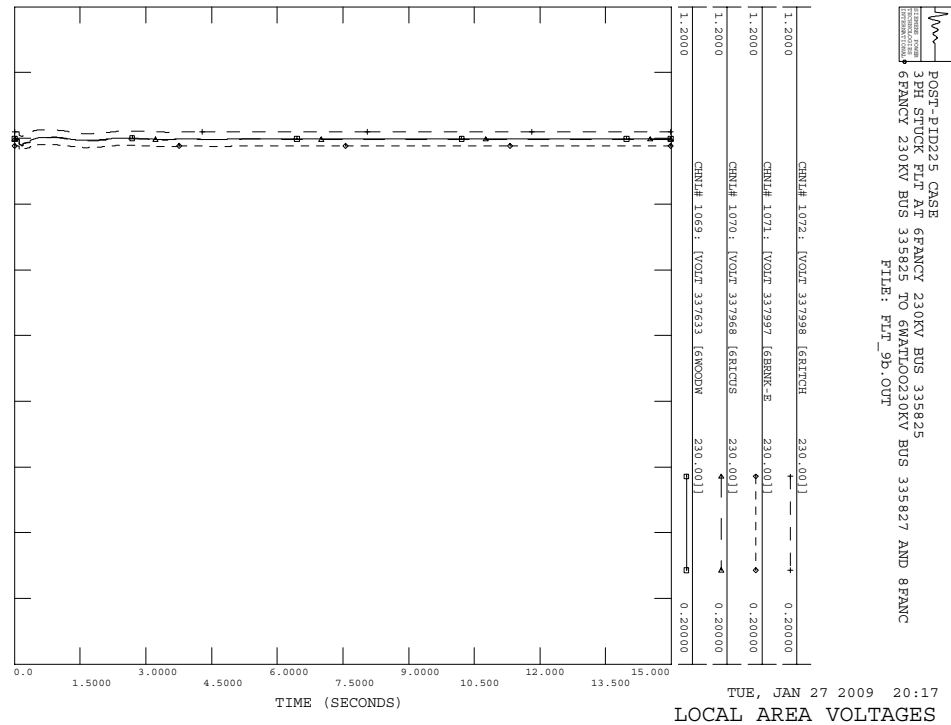
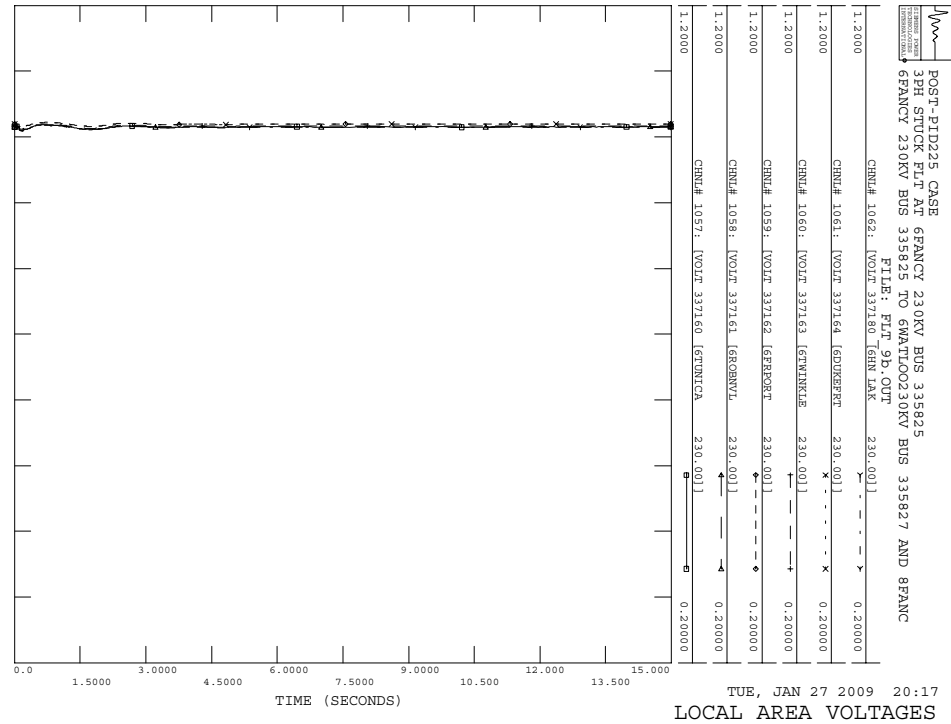
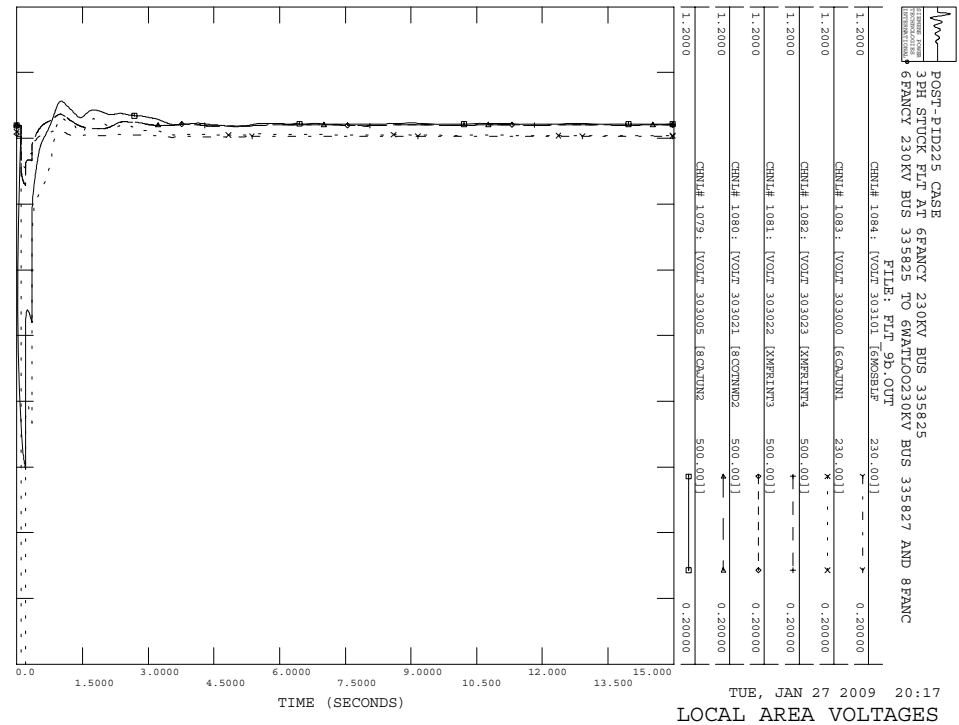
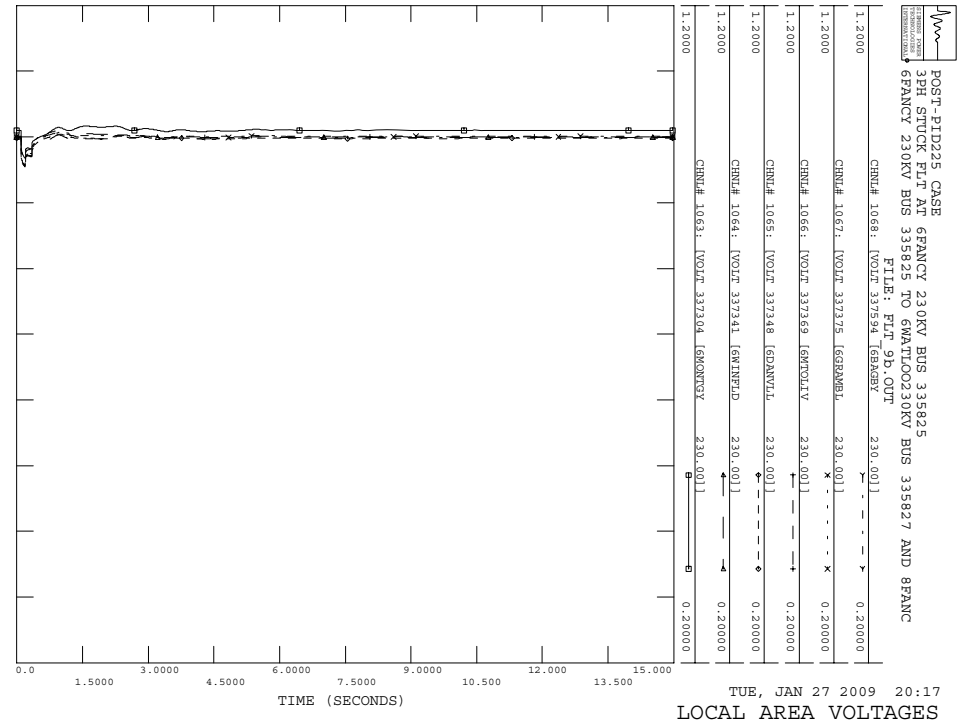


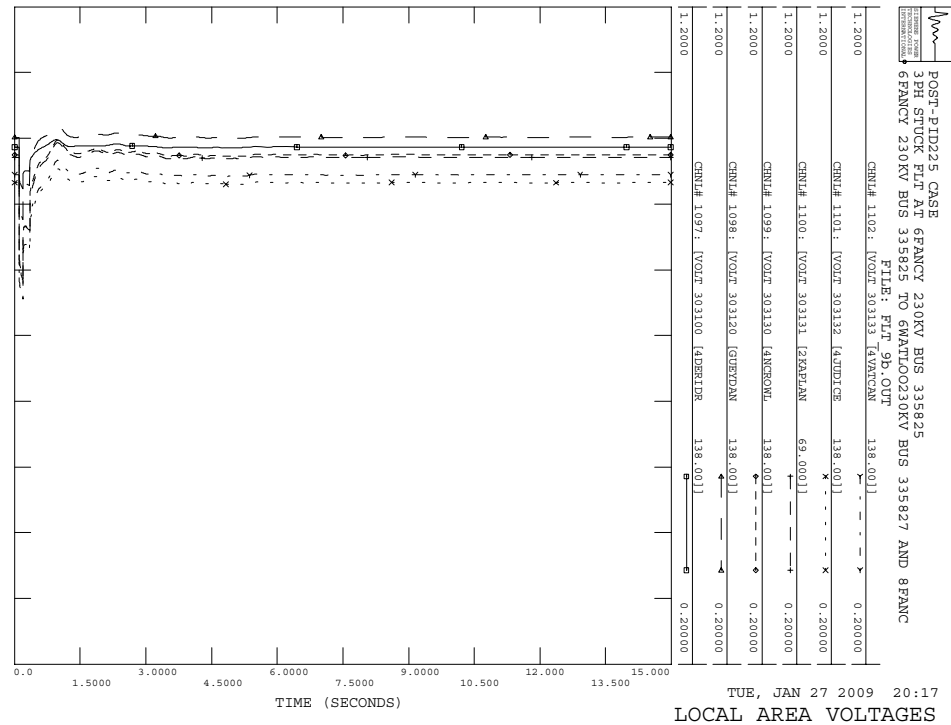
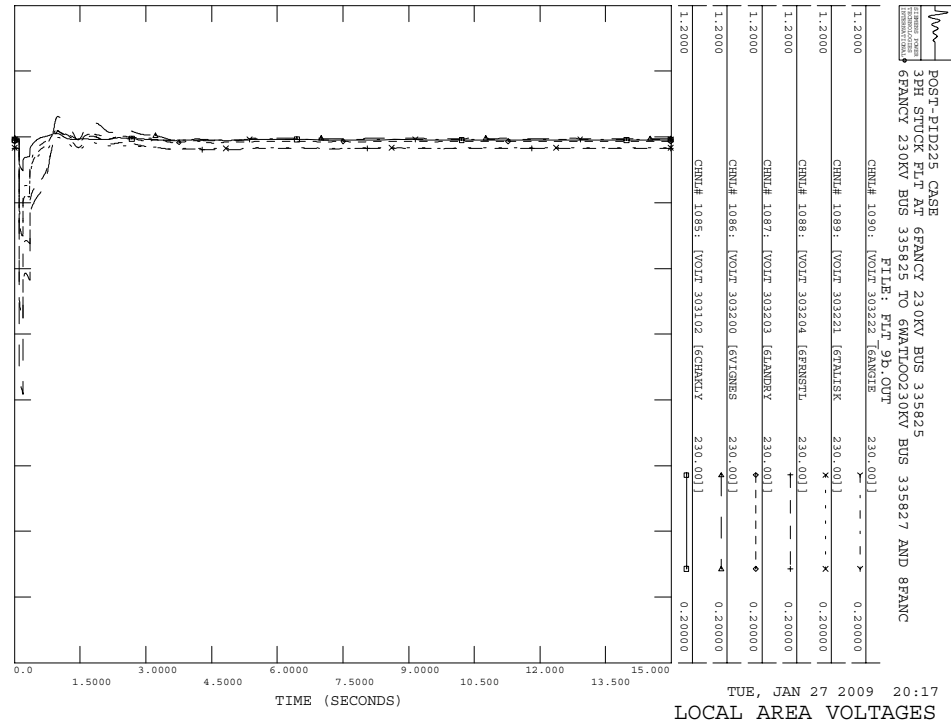
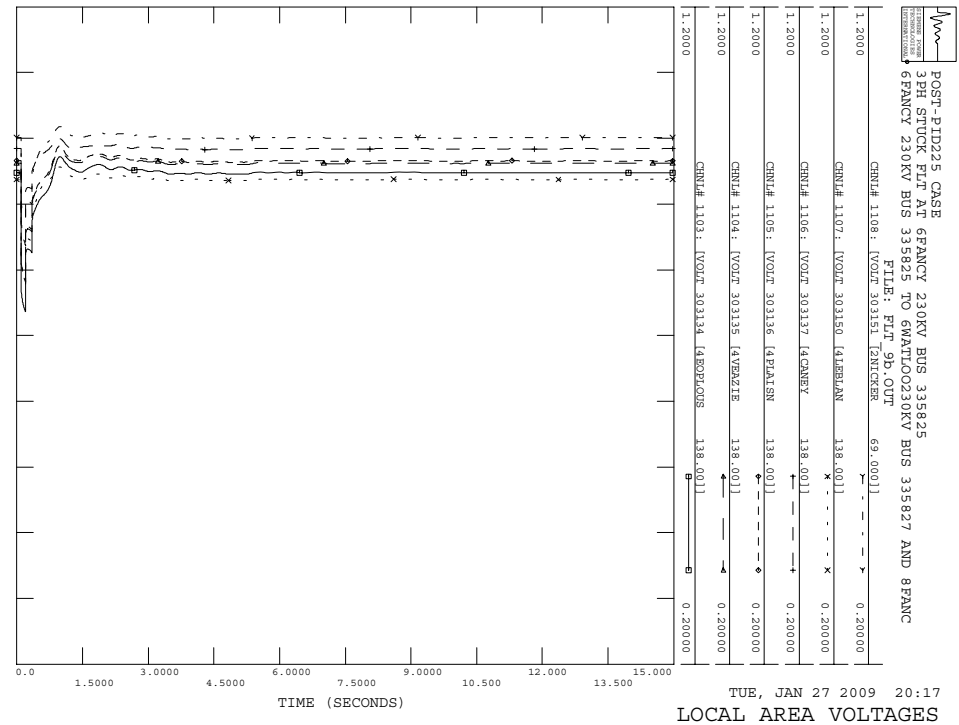
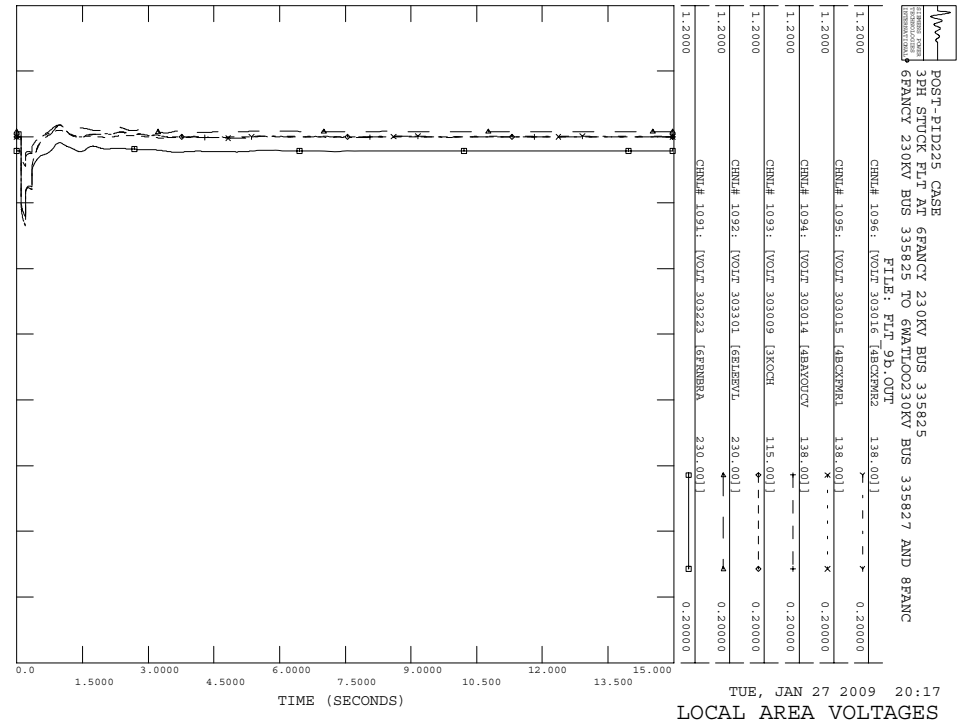


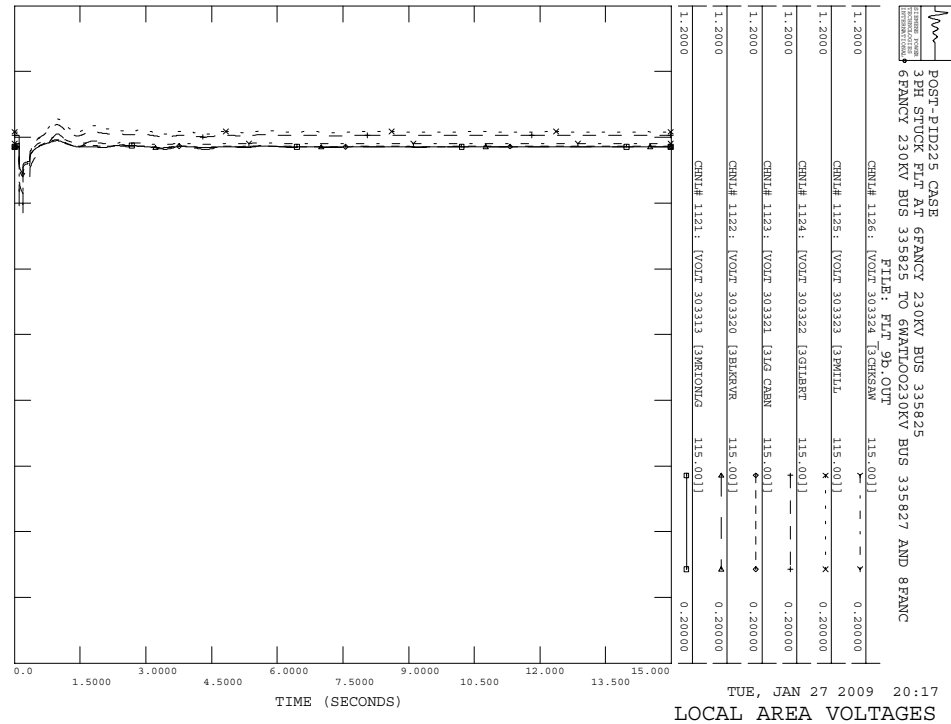
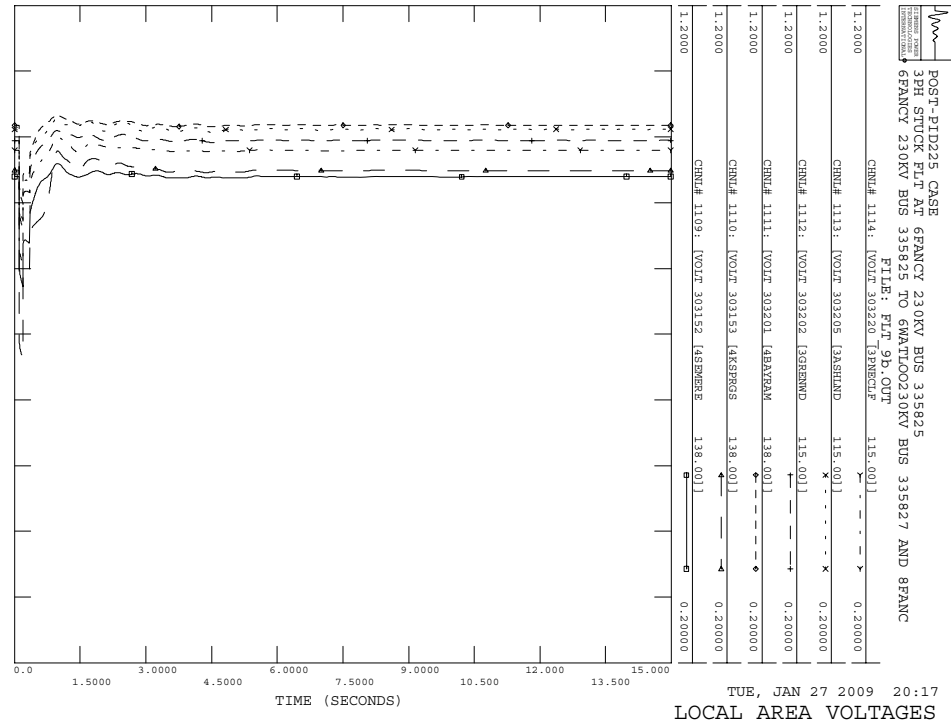
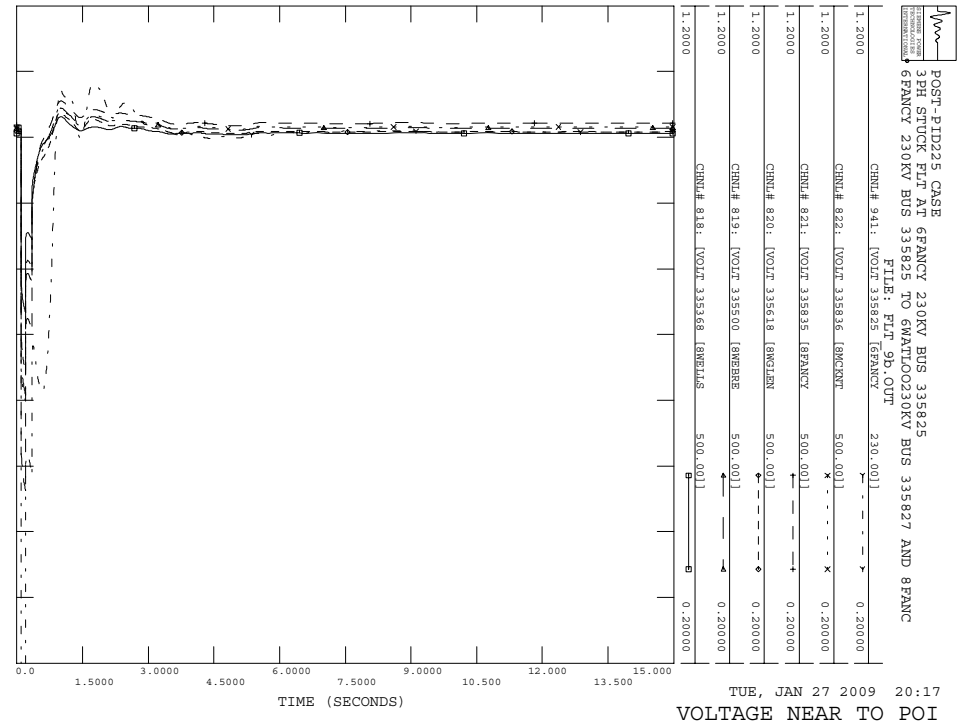
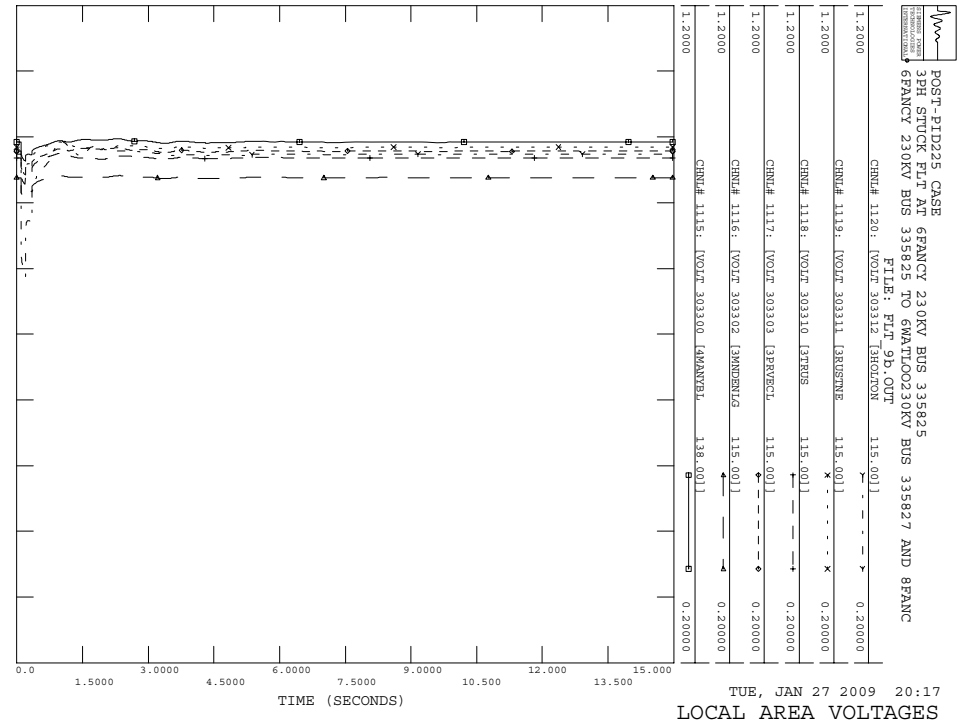














POST-PID225 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
68PANCY 230KV BUS 335825 TO 68ATL00230KV BUS 335827 AND 68PANC

FILE: FLT_95.001

CHN# 1125: [EPD] BUS 303008 WACH '1'

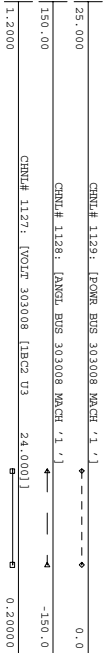
CHN# 1131: [ETRM] BUS 303008 WACH '1'

CHN# 1130: [VARS] BUS 303008 WACH '1'

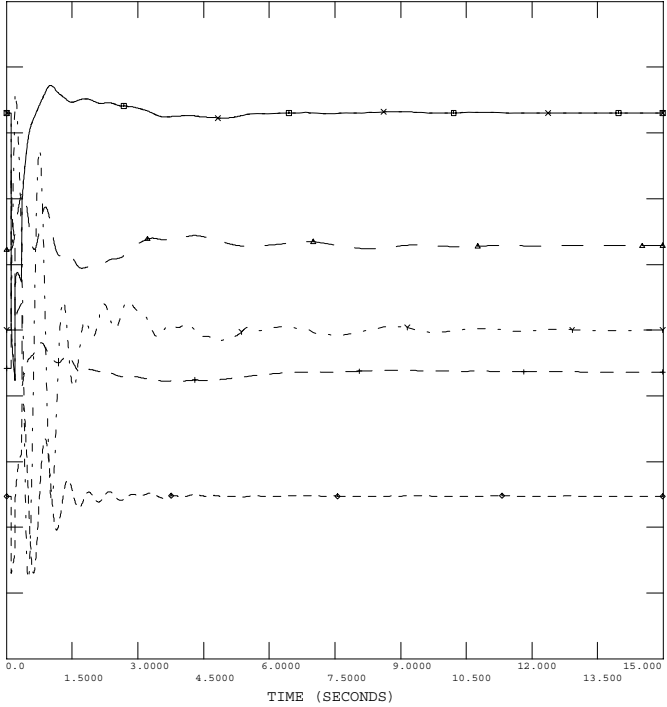
CHN# 1129: [FCMR] BUS 303008 WACH '1'

CHN# 1128: [ANGL] BUS 303008 WACH '1'

CHN# 1127: [VOLT] BUS 303008 [BAC2 U3 24.000]



TUE, JAN 27 2009 20:17
PID-225 PLOTS

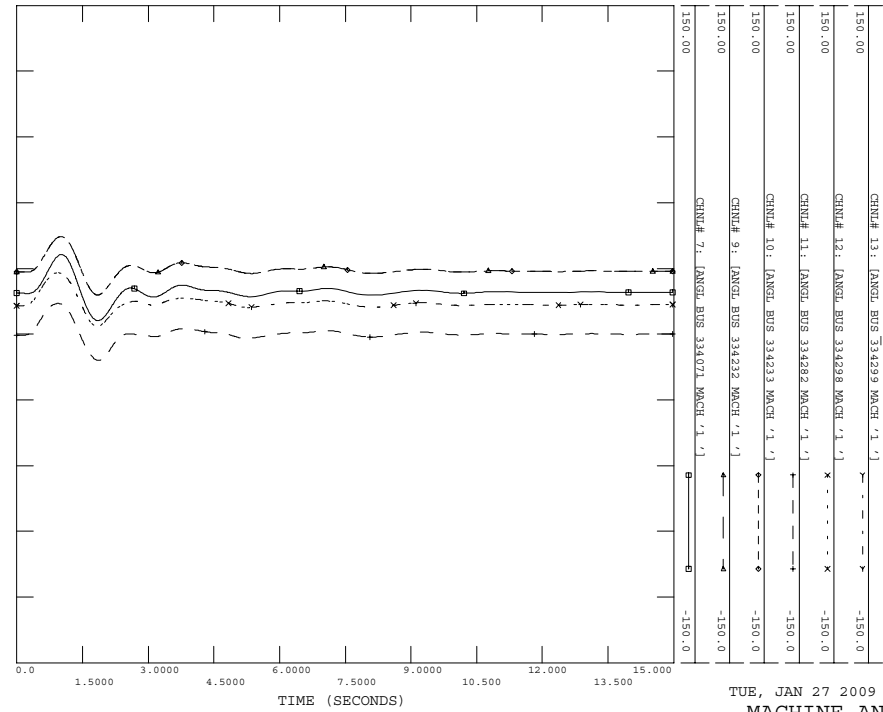


C.17 FLT_10a

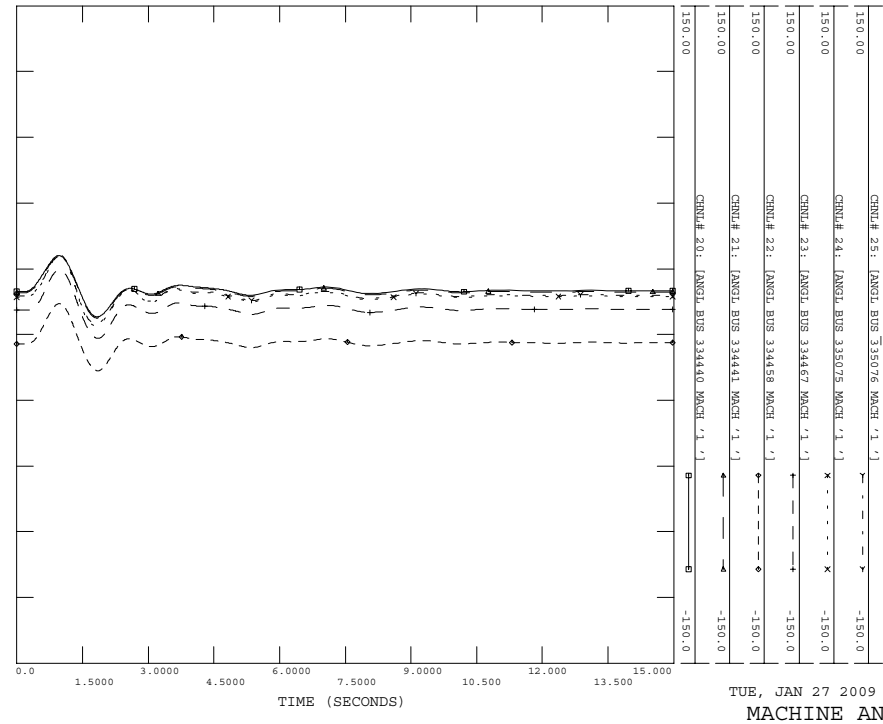
Stuck breaker fault on the 6FANCY (#335825) to 6PT.HUD (#335815) 230 kV line, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping line from 6FANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815

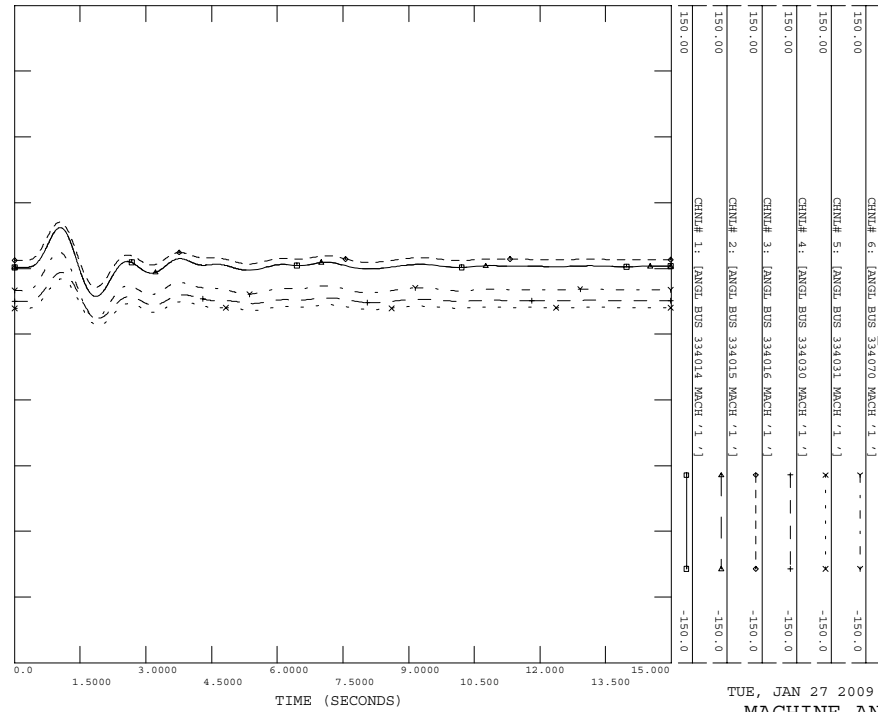
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



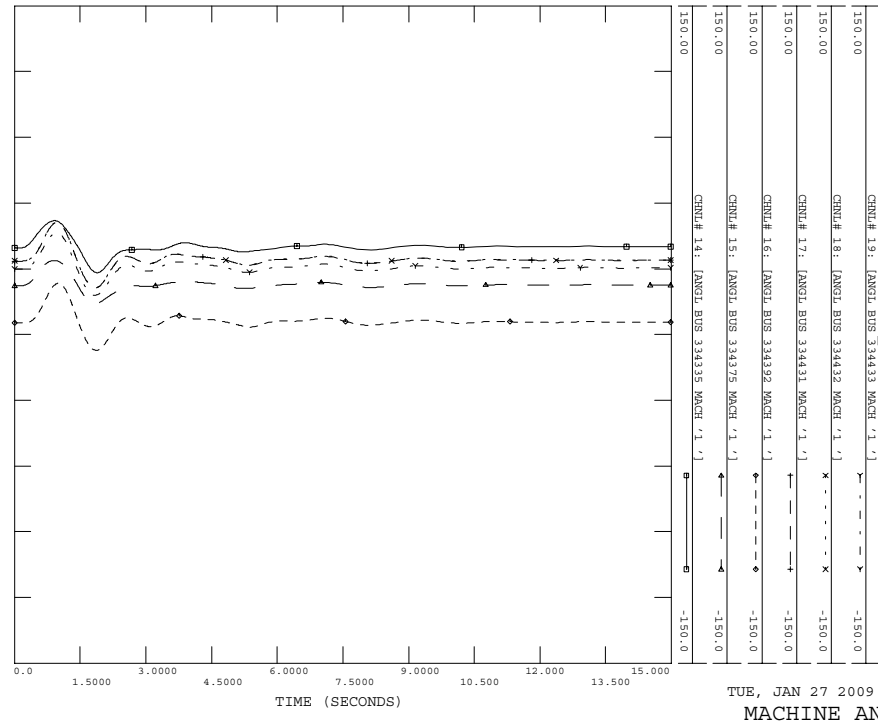
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

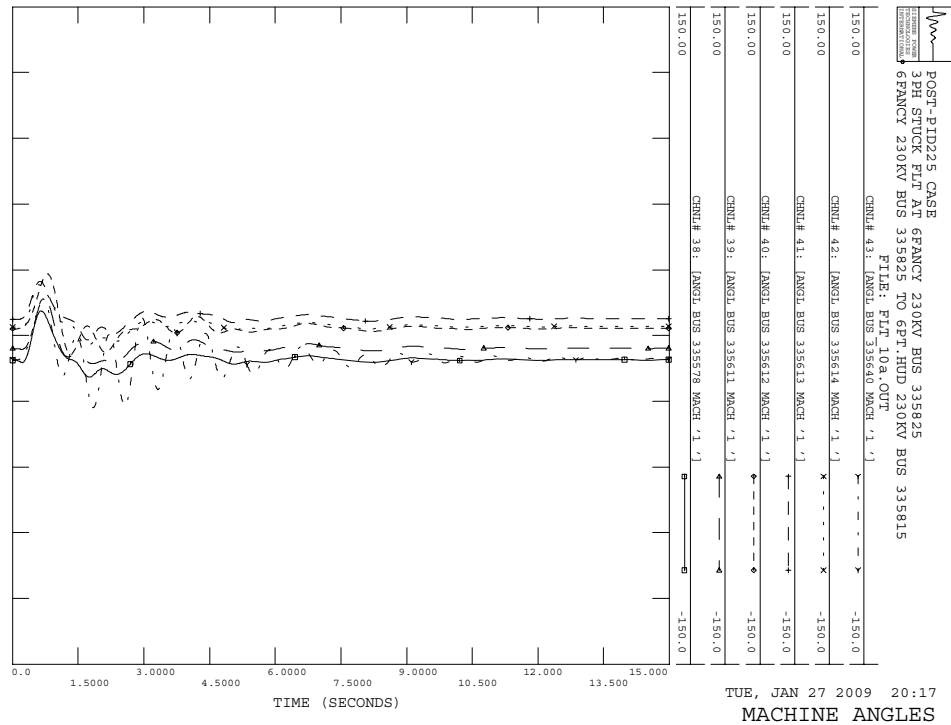
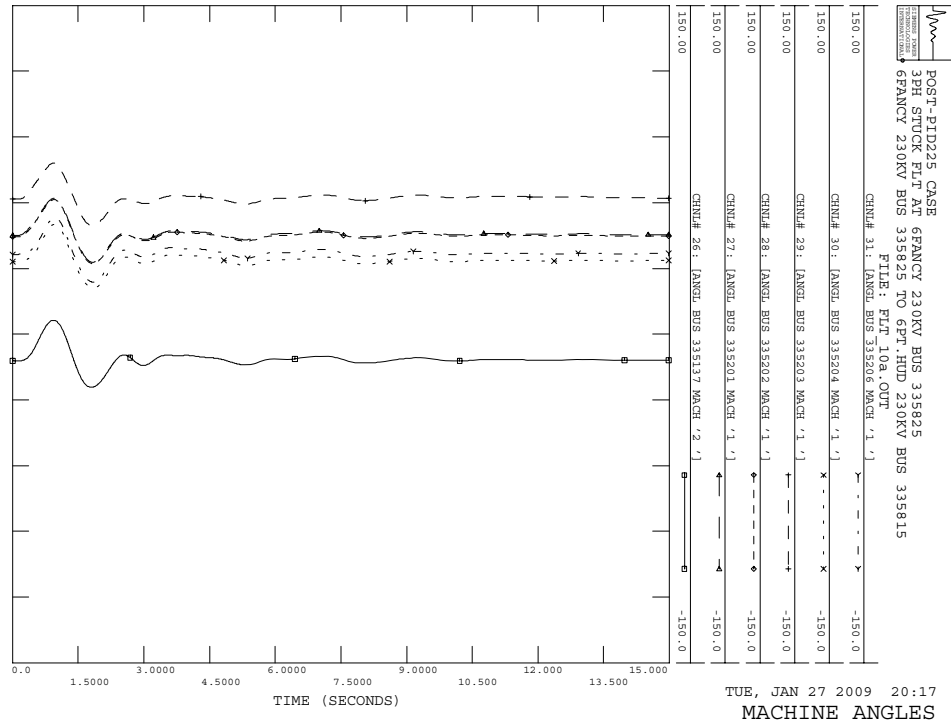
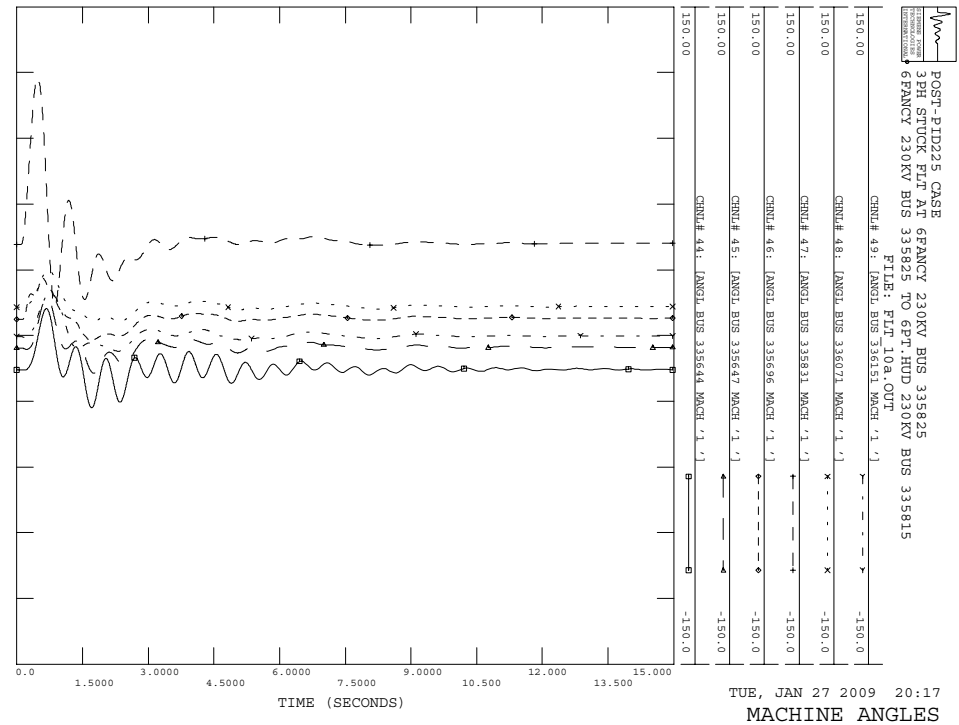
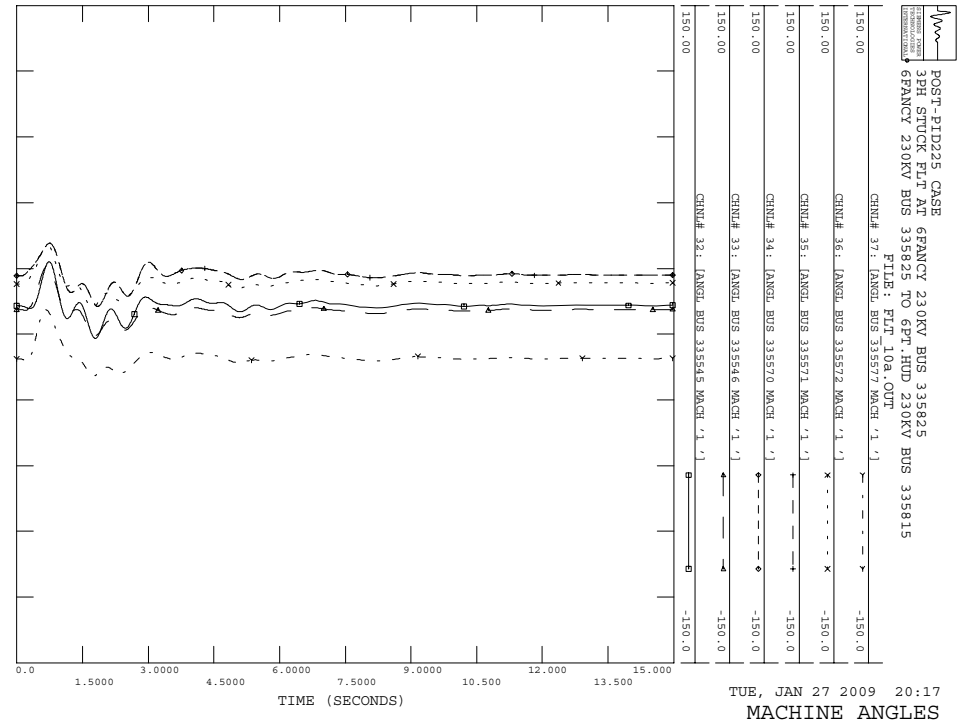


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

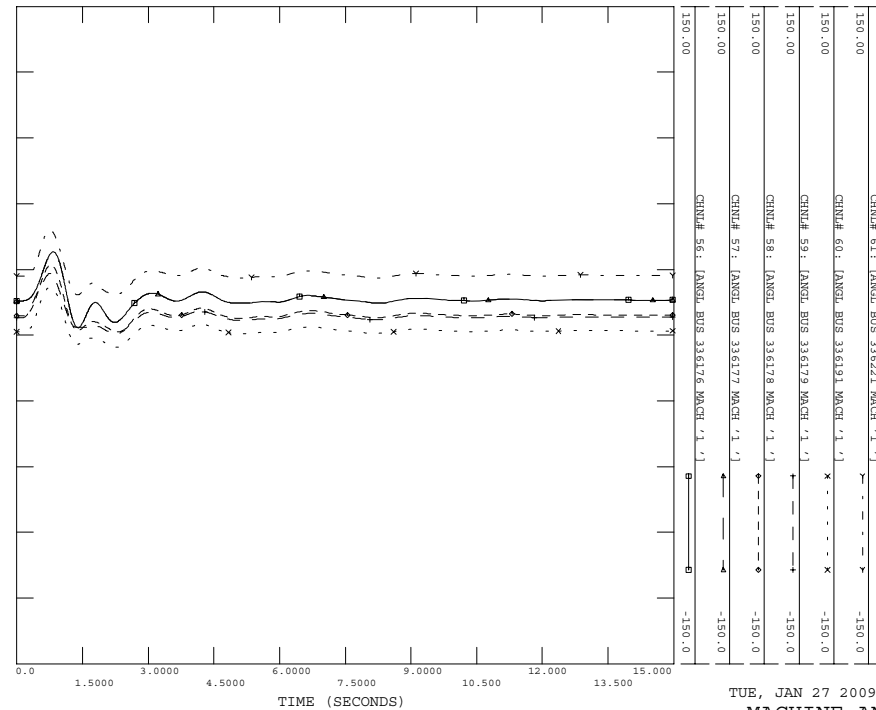


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

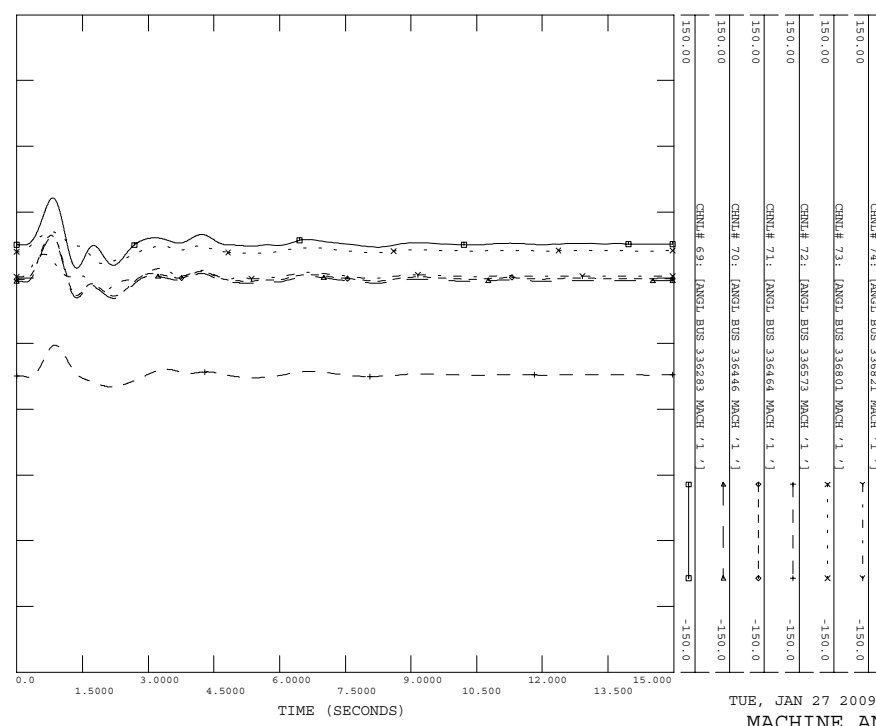




POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

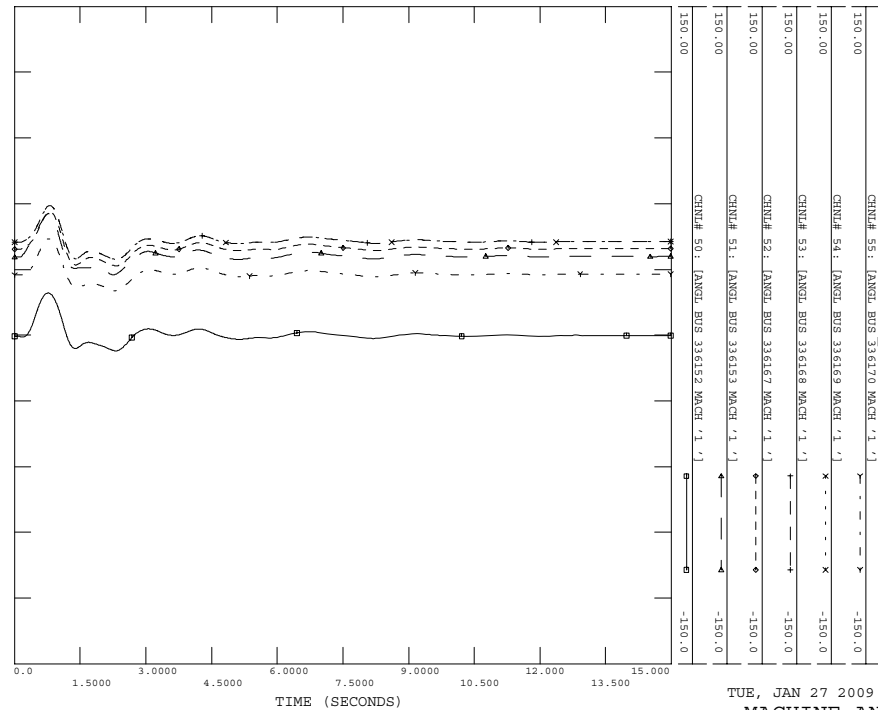


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

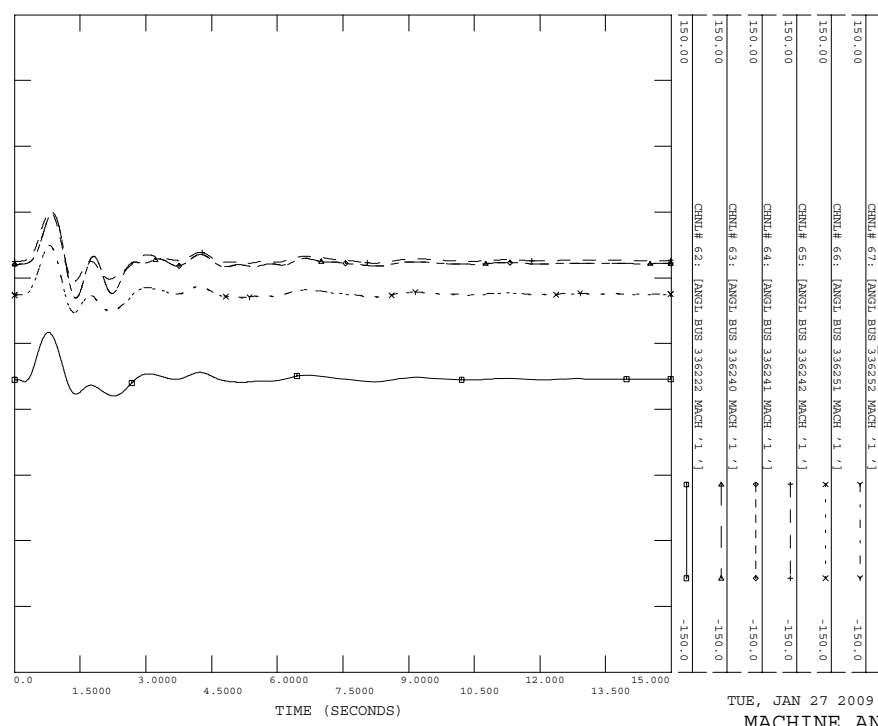


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

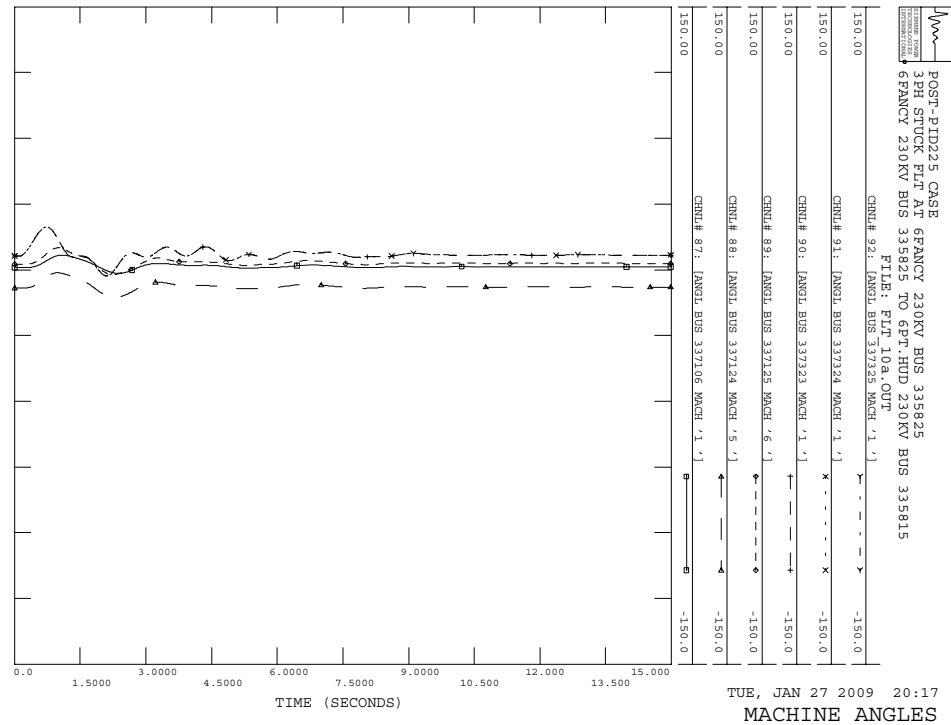
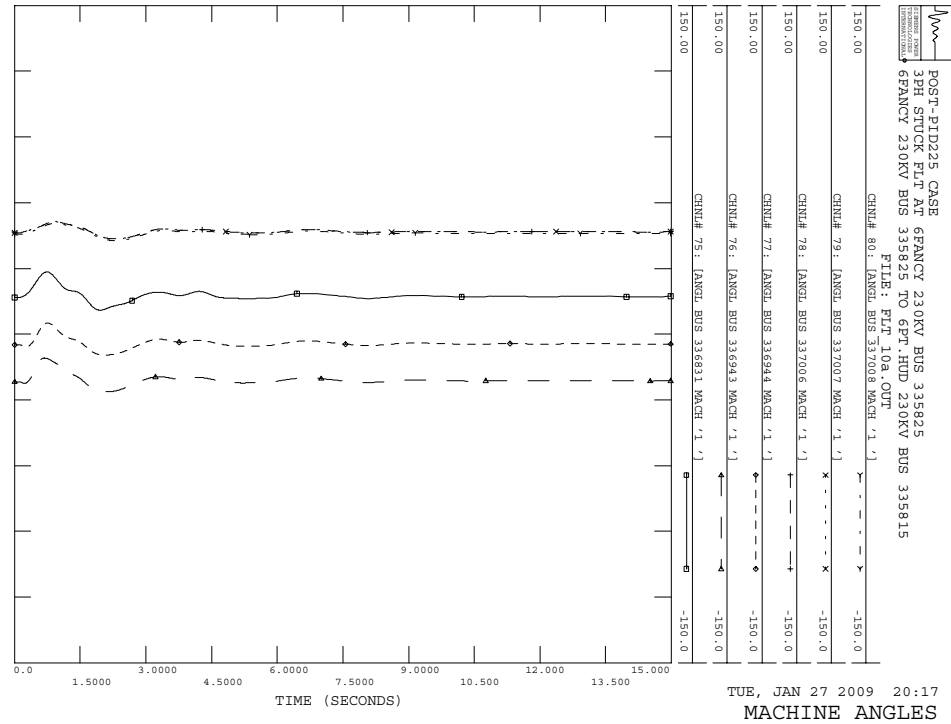
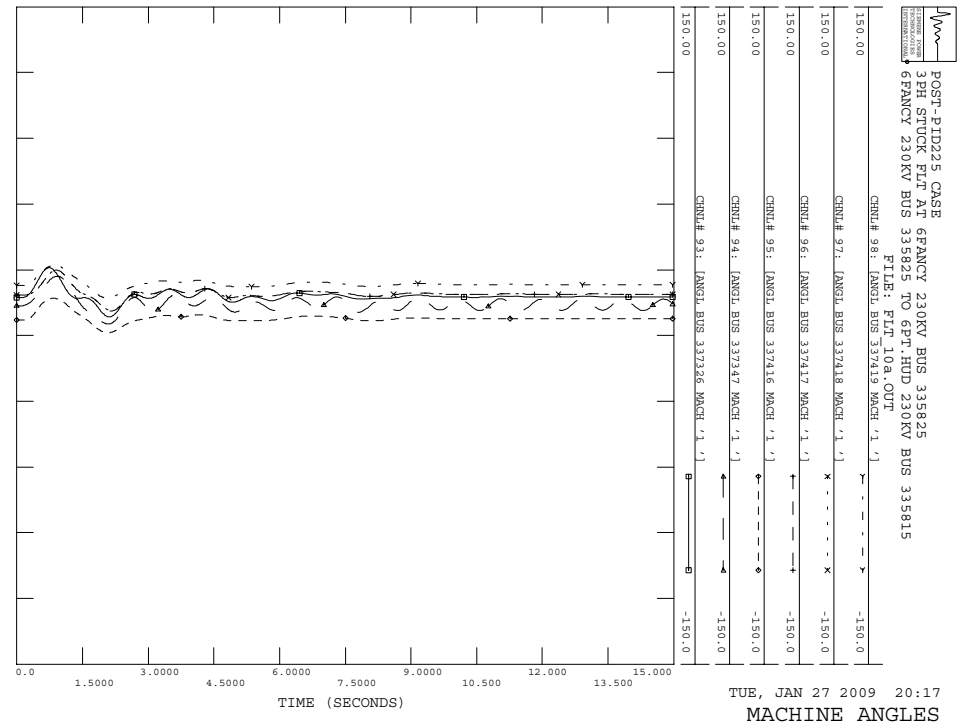
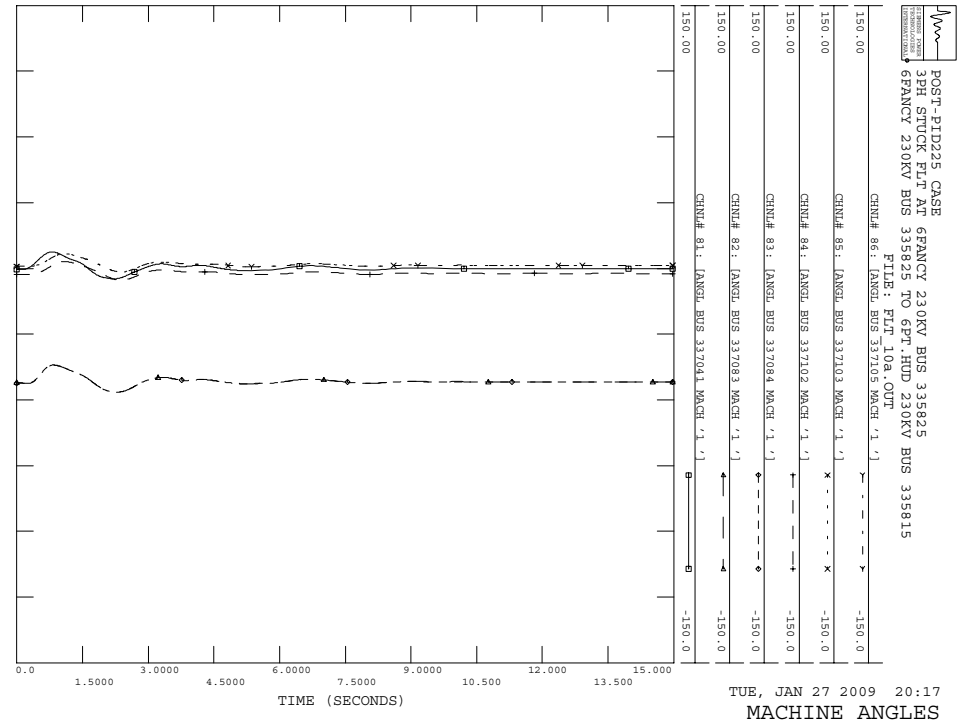
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



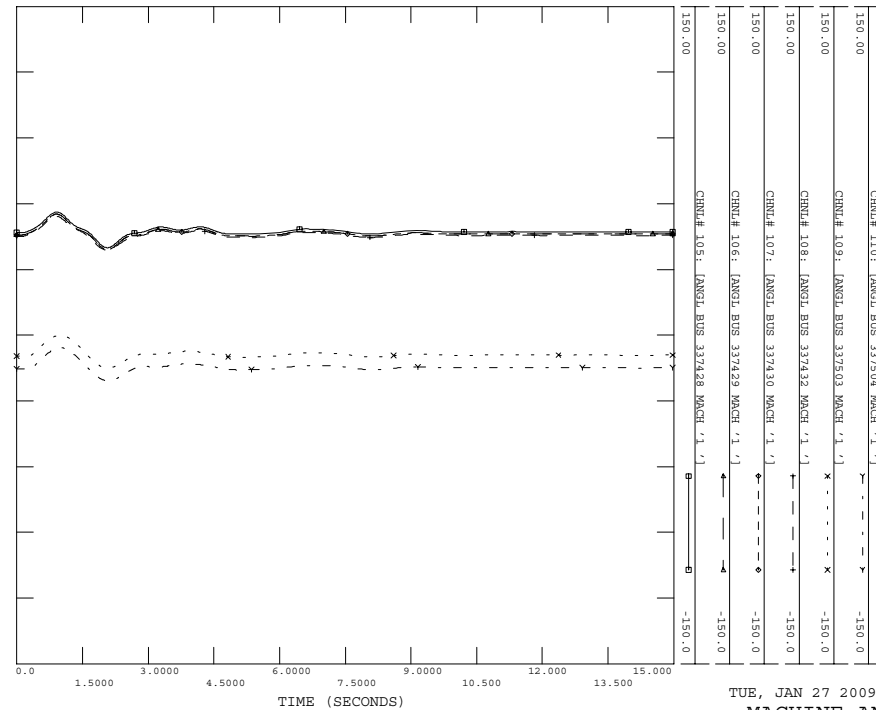
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



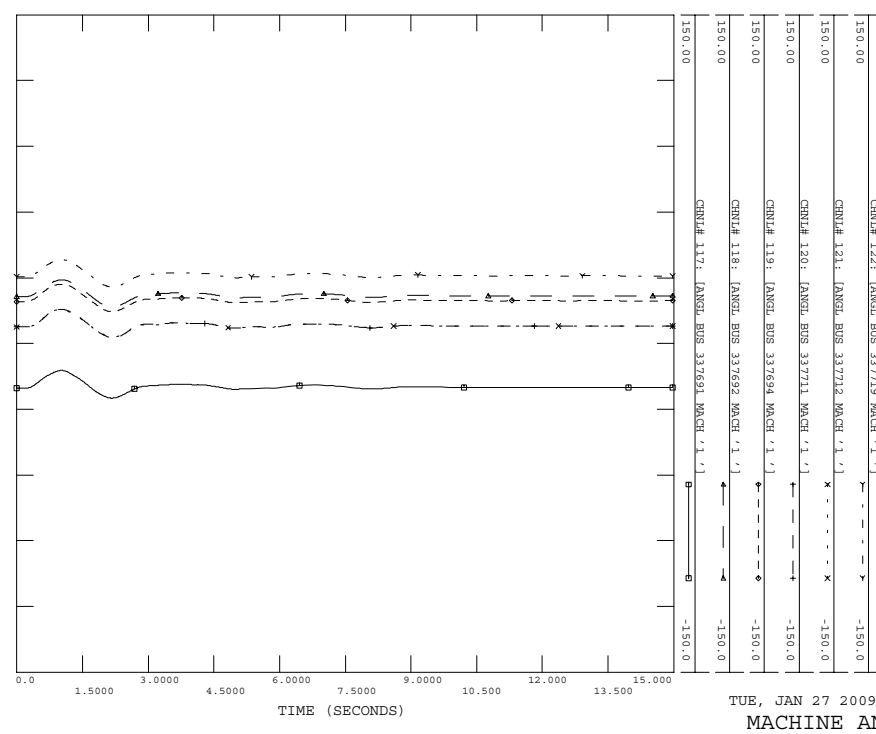
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



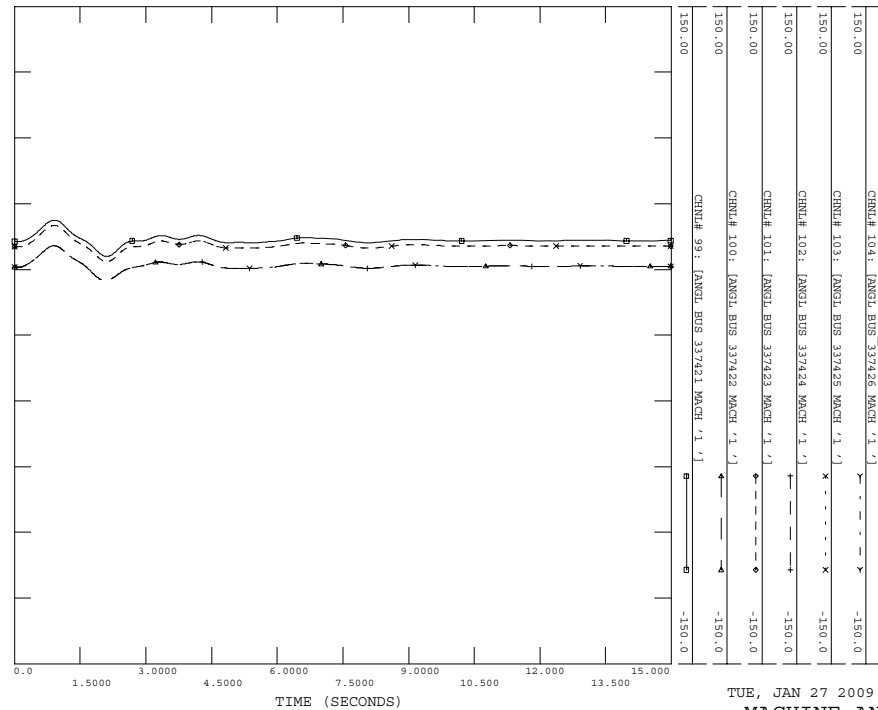
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



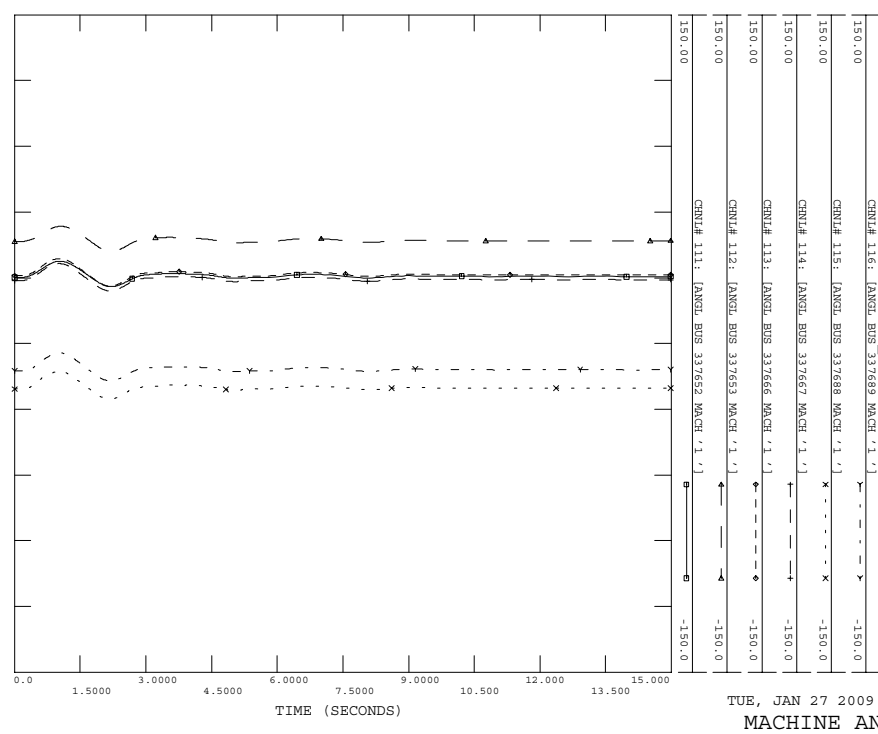
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



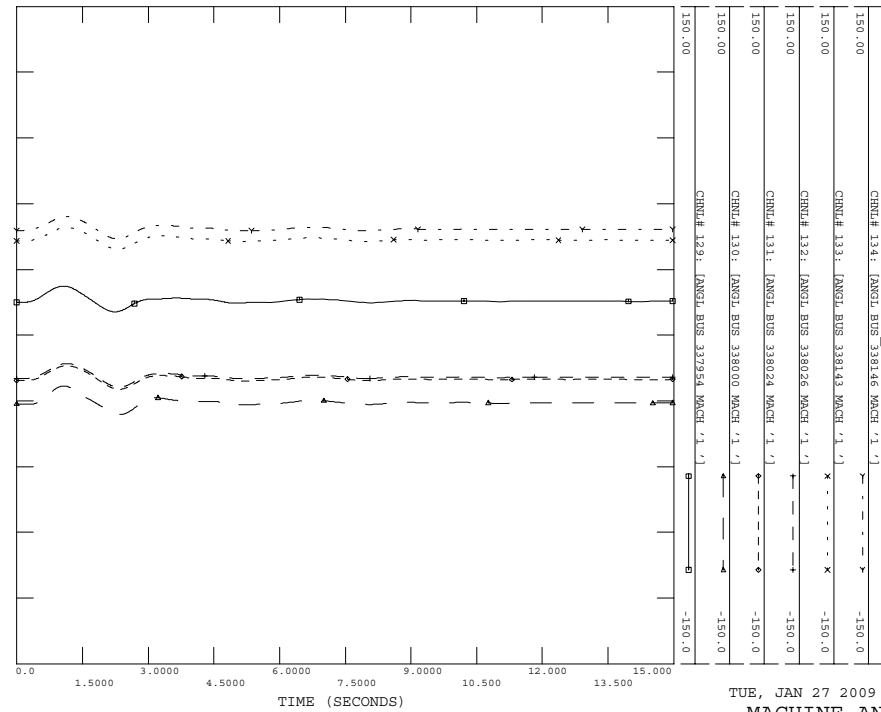
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

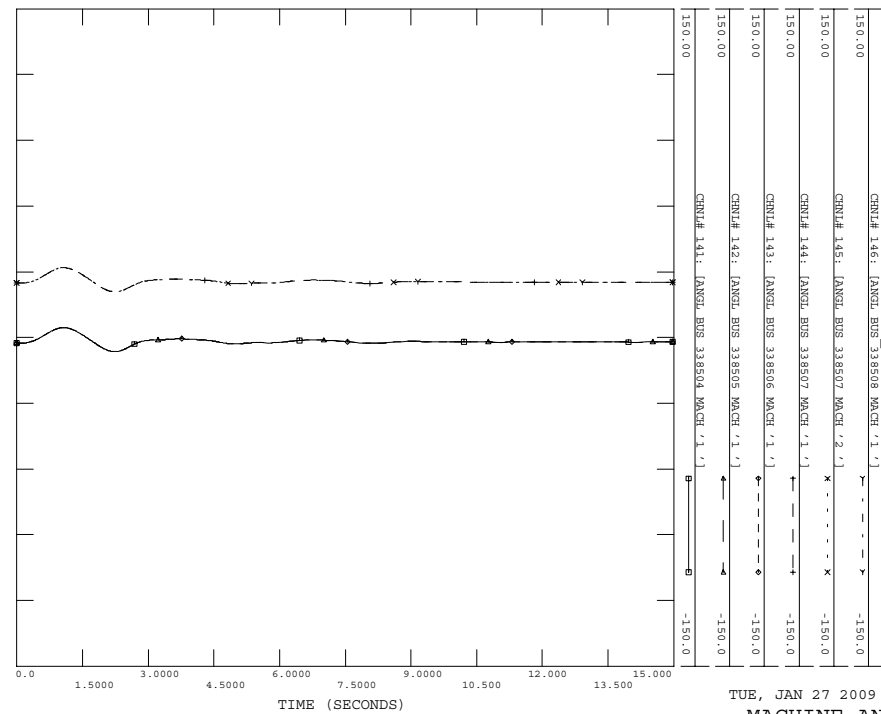


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



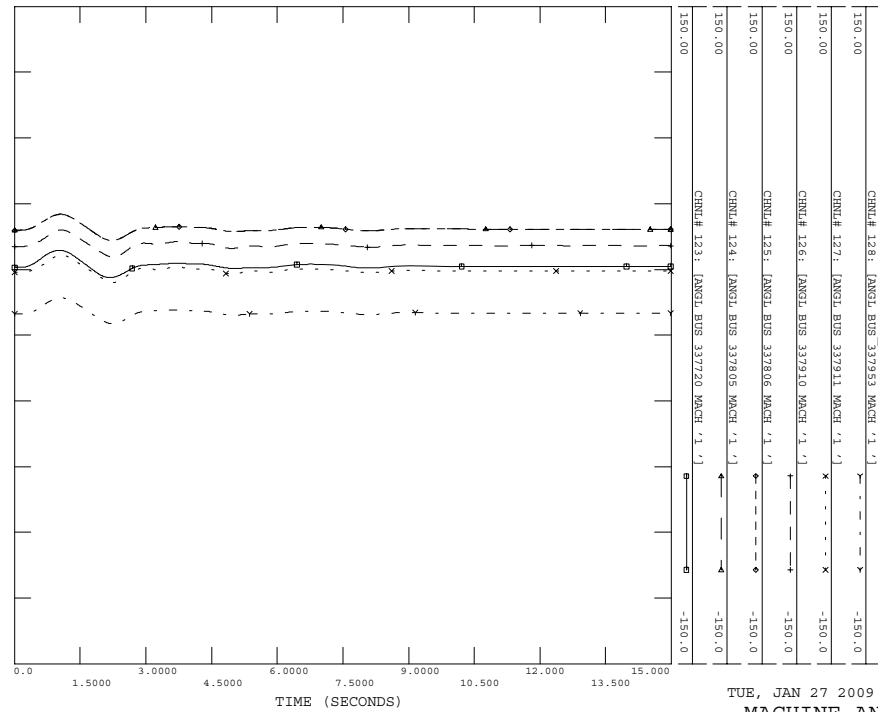
TUE, JAN 27 2009 20:17
MACHINE ANGLES

POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



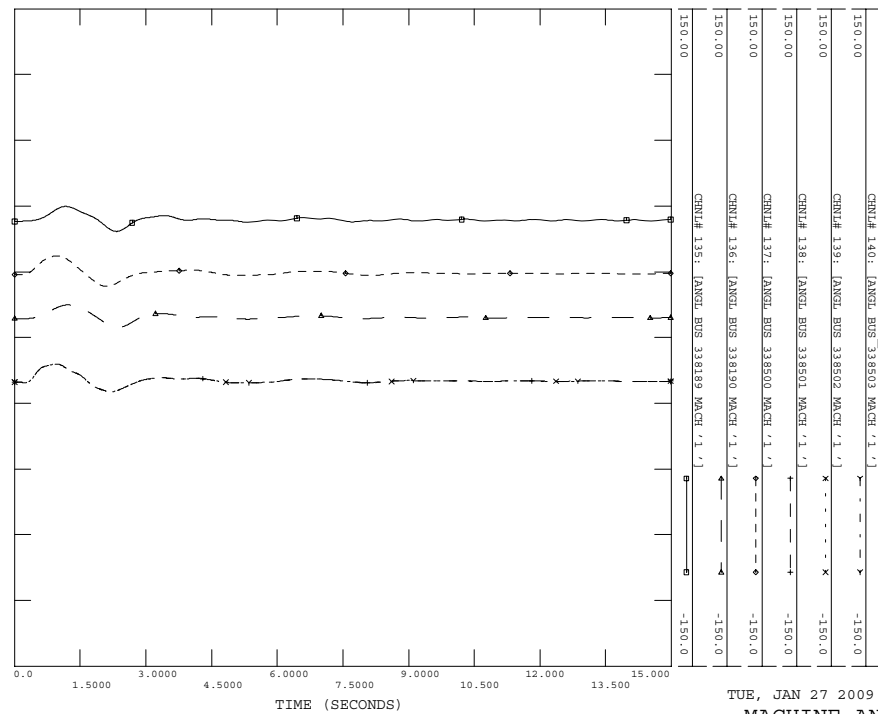
TUE, JAN 27 2009 20:17
MACHINE ANGLES

POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

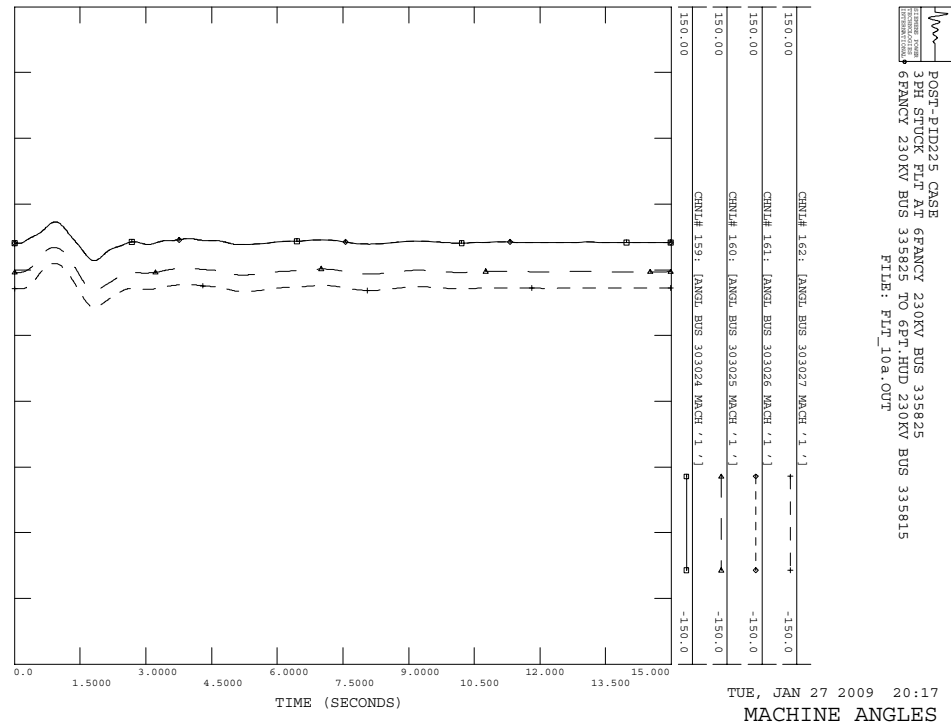
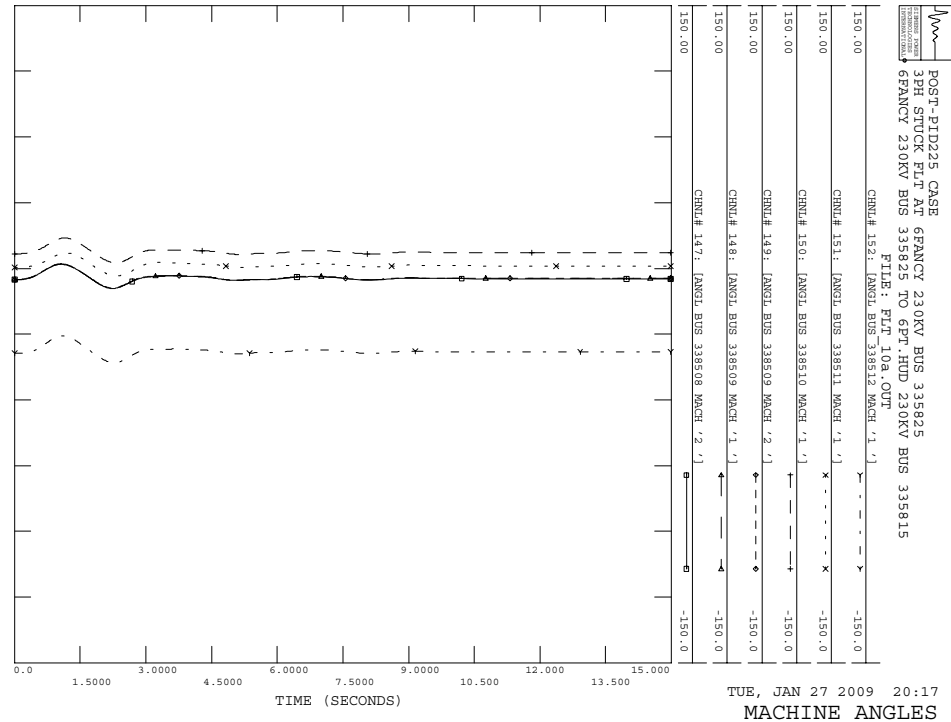
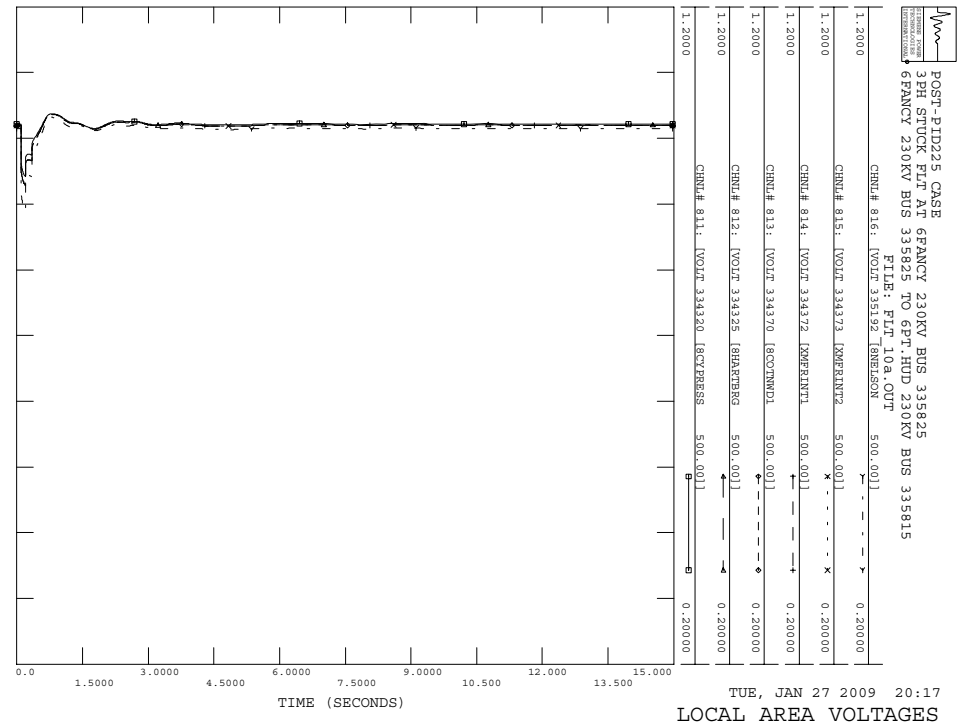
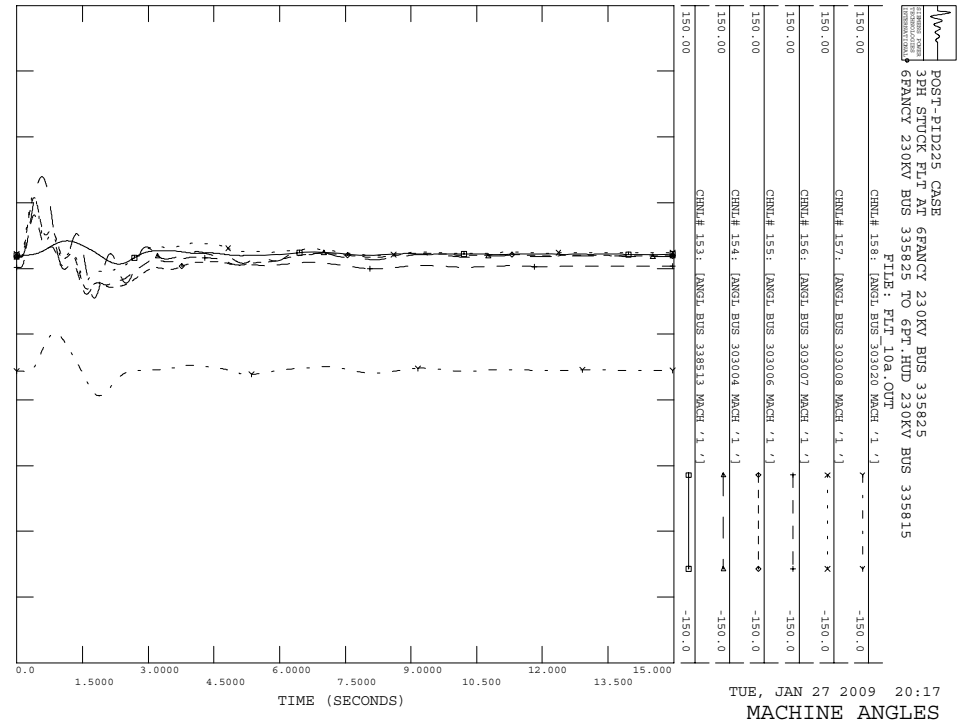


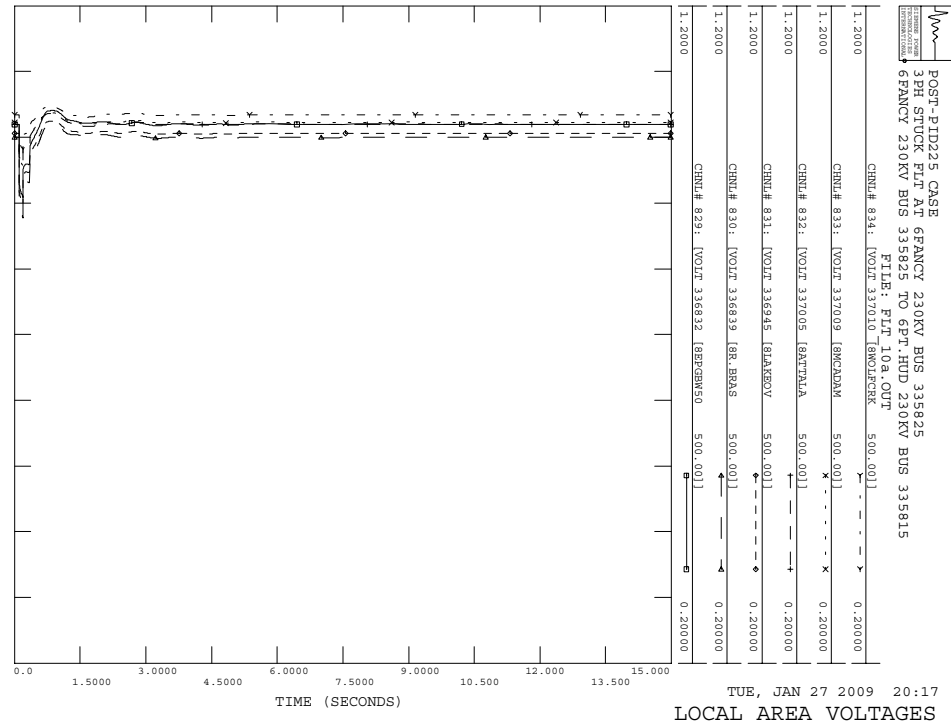
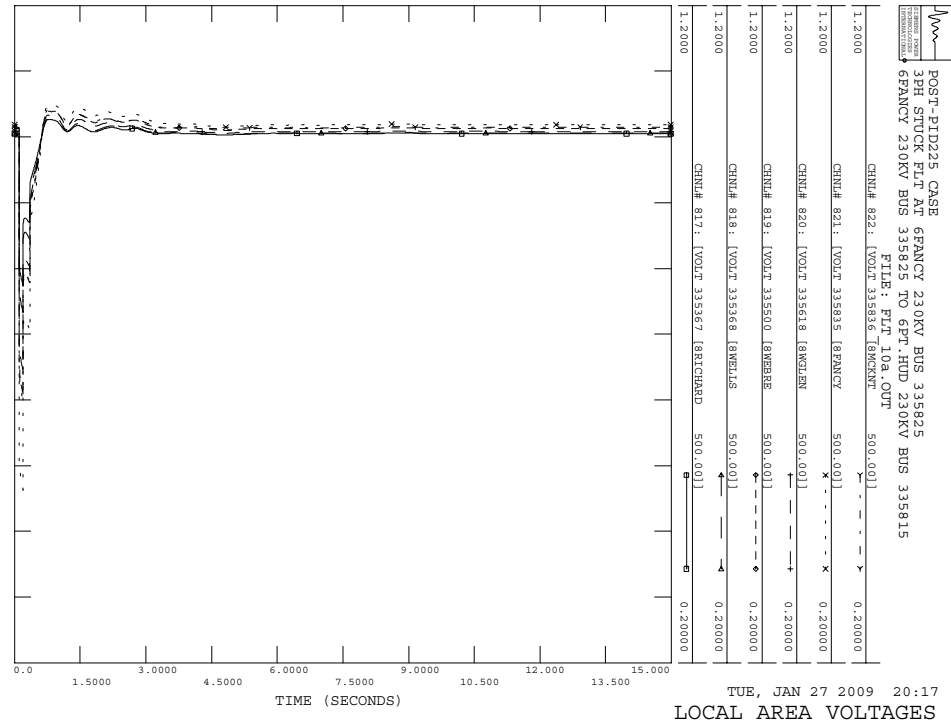
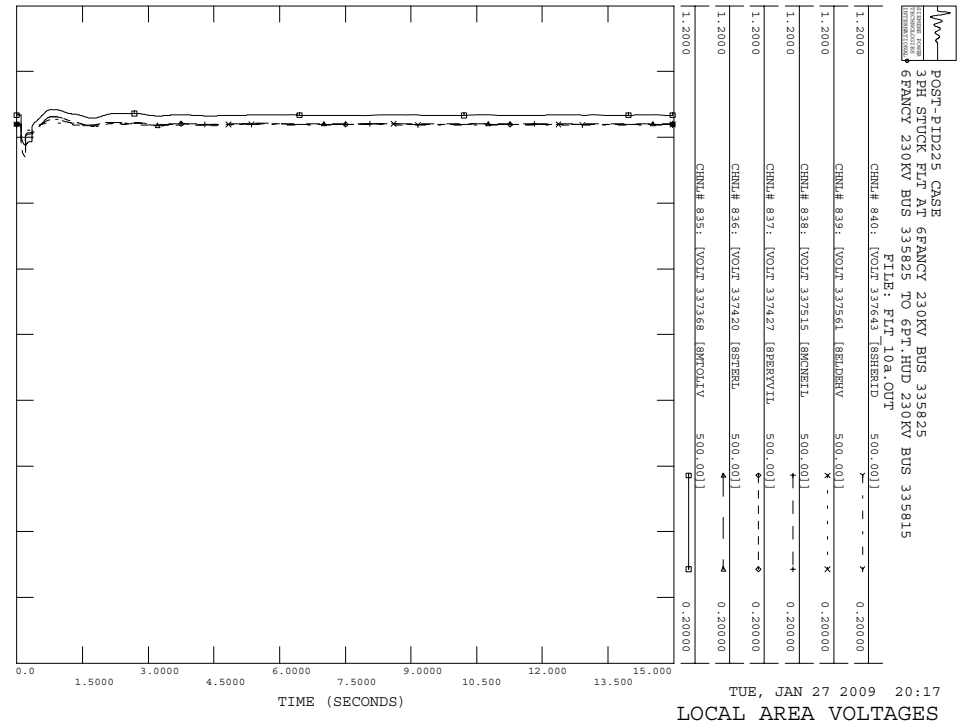
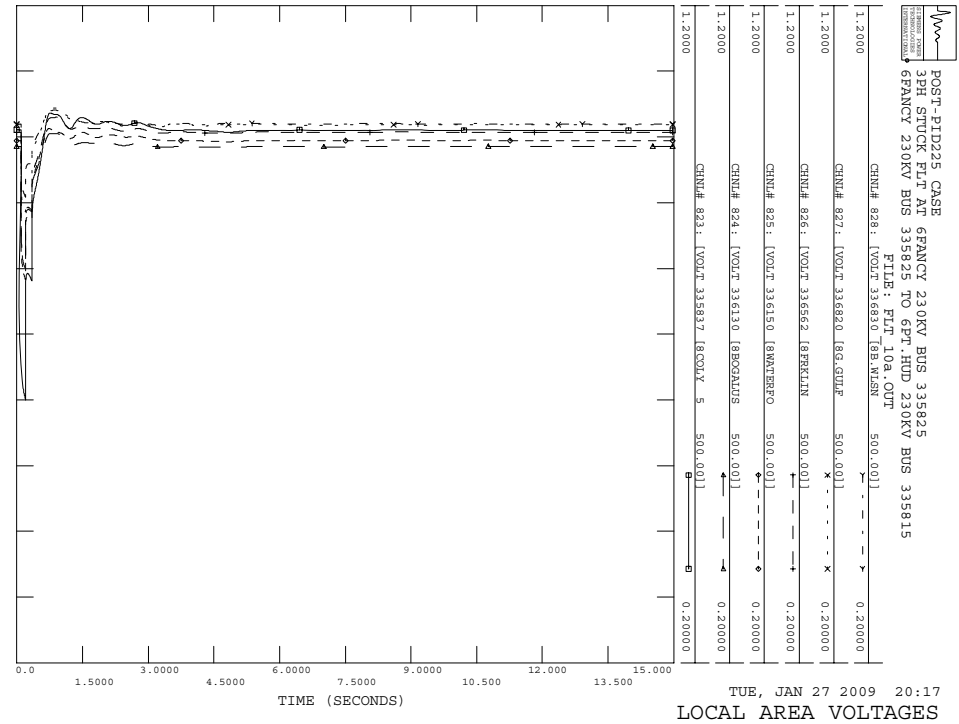
TUE, JAN 27 2009 20:17
MACHINE ANGLES

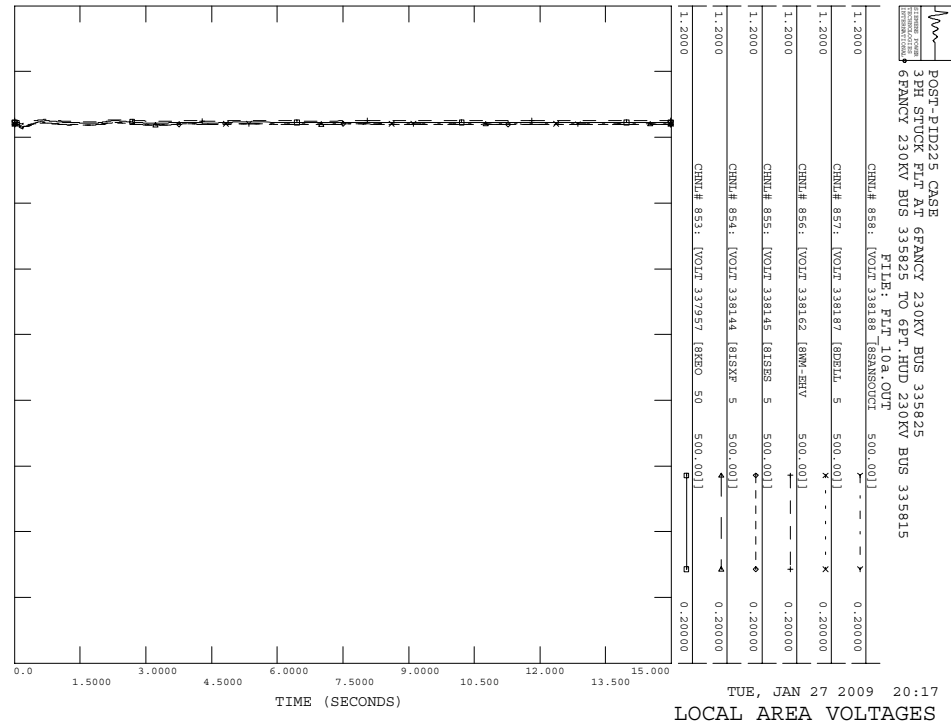
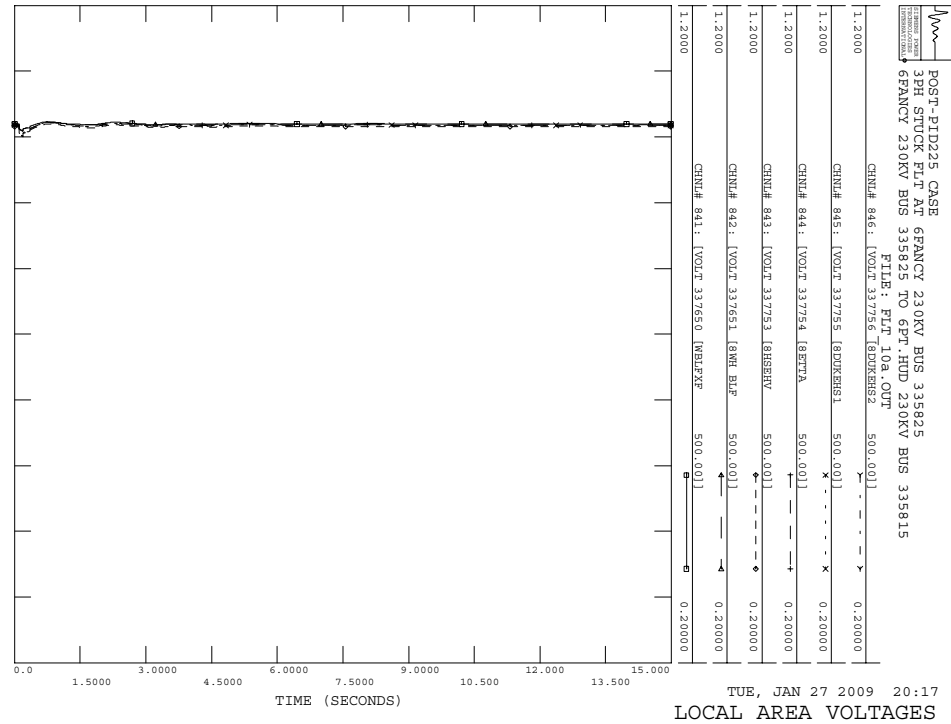
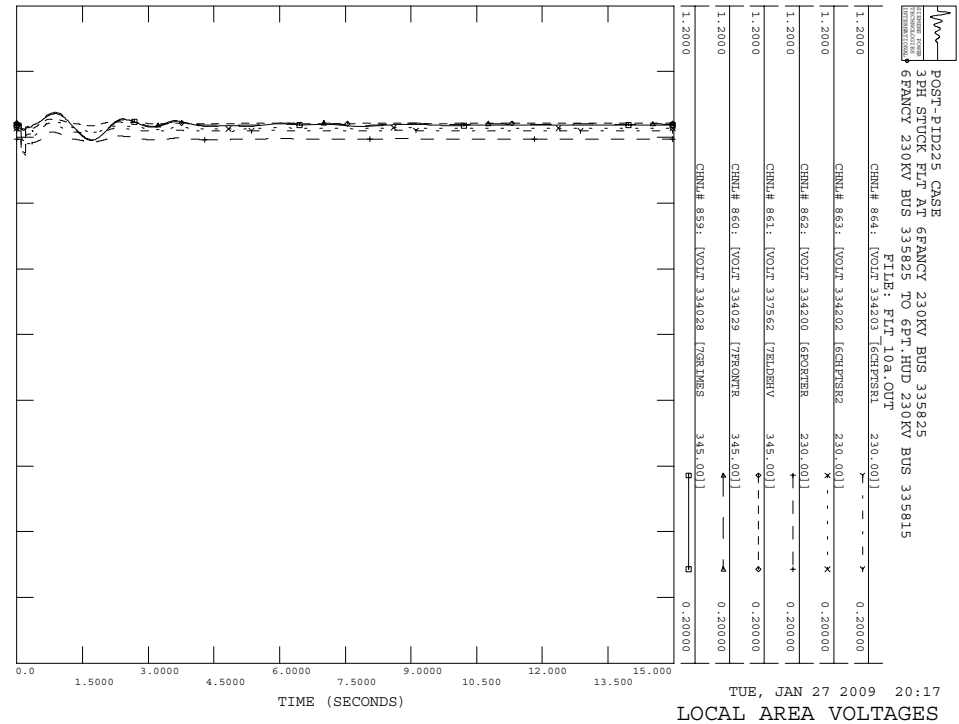
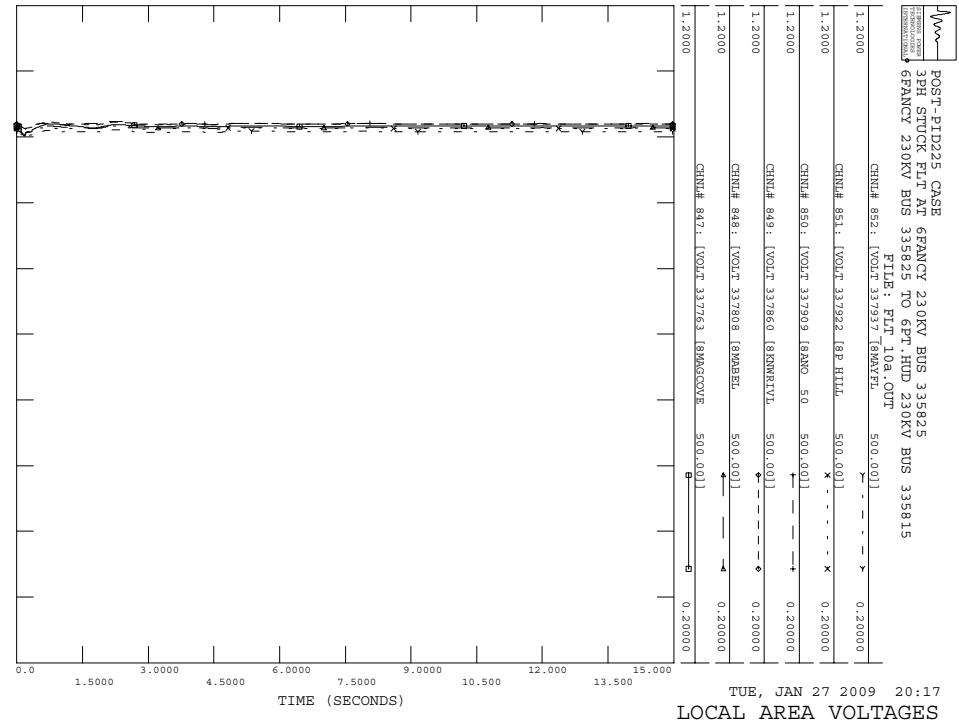
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

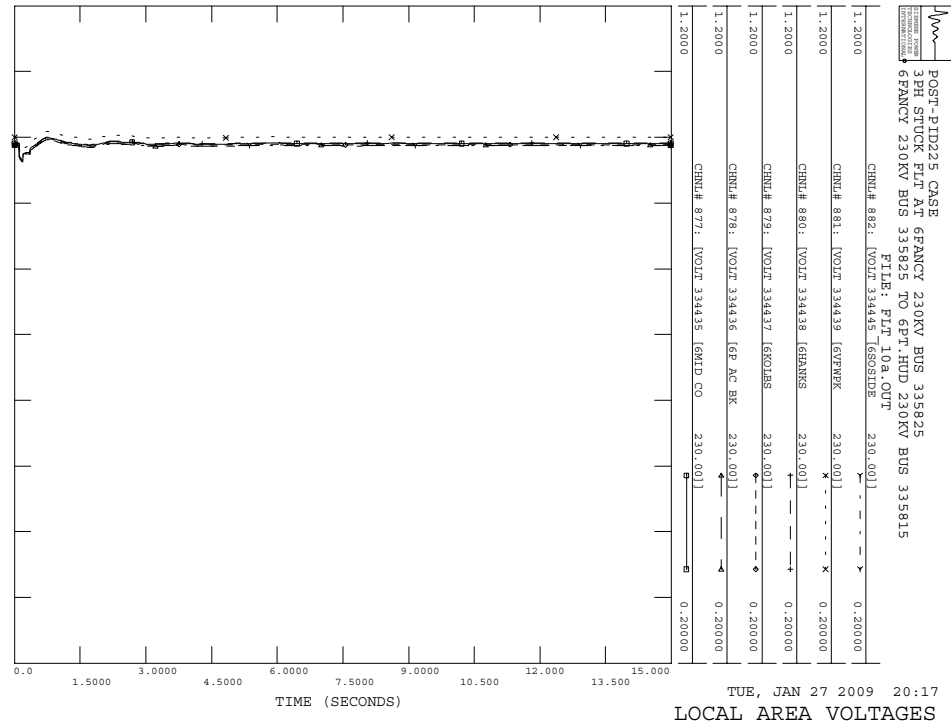
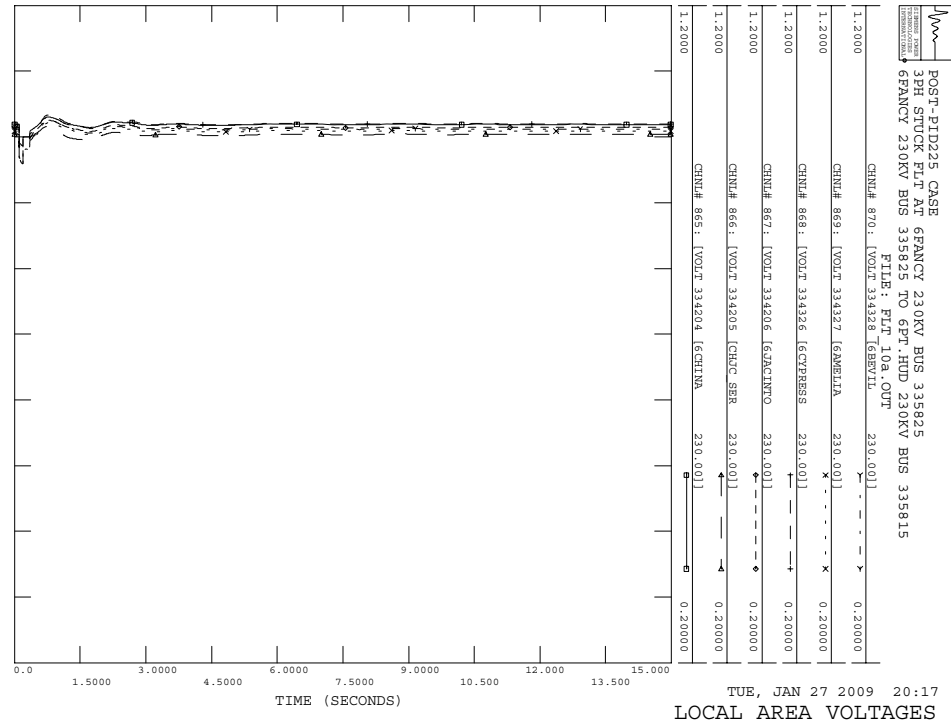
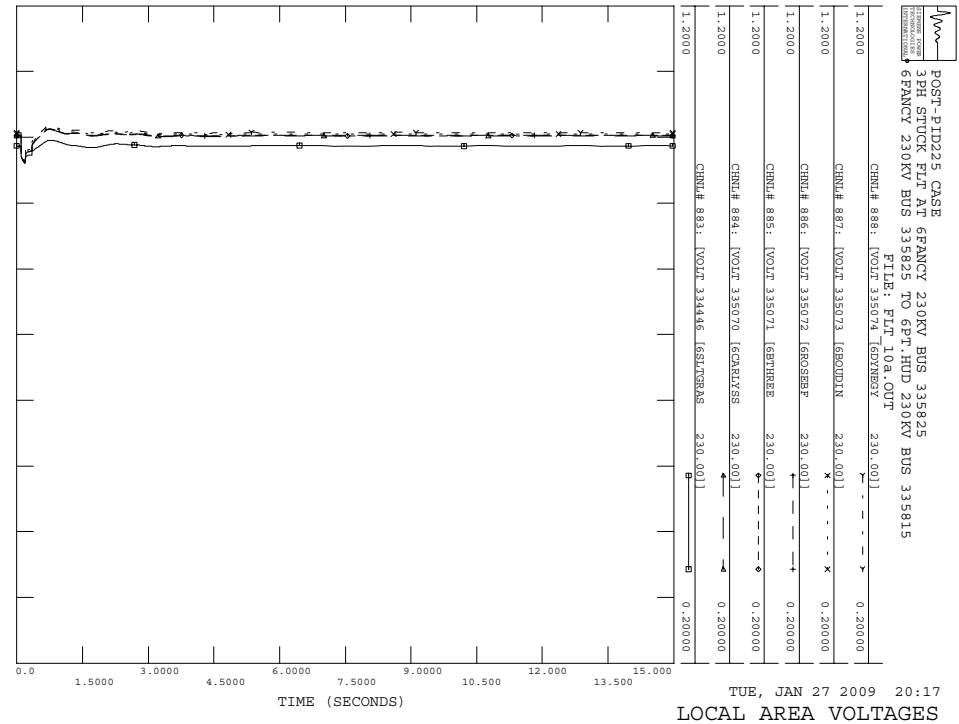
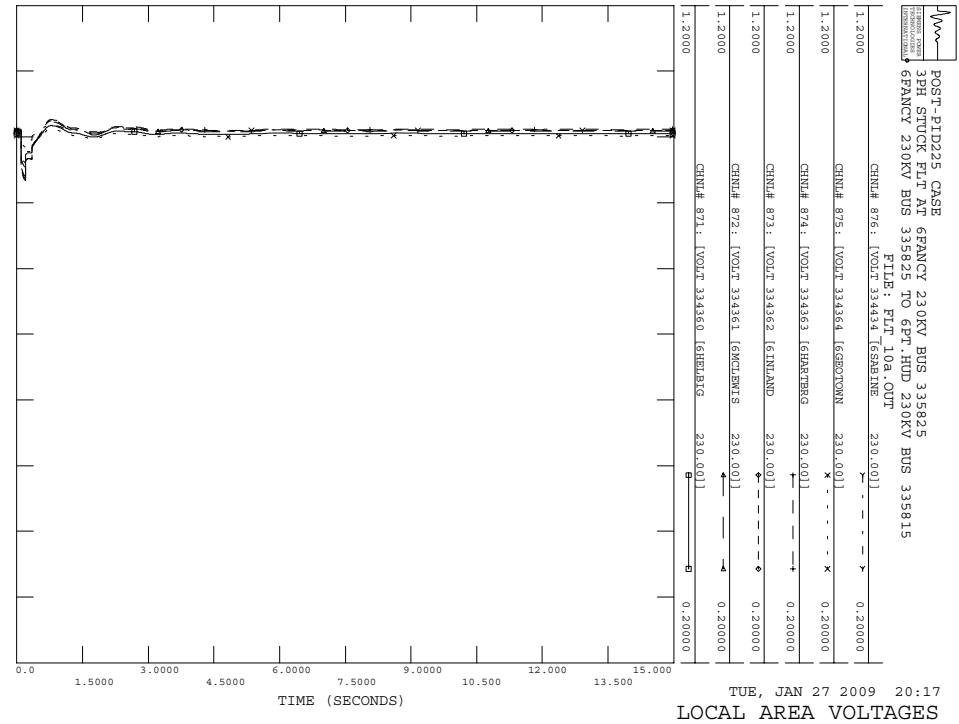


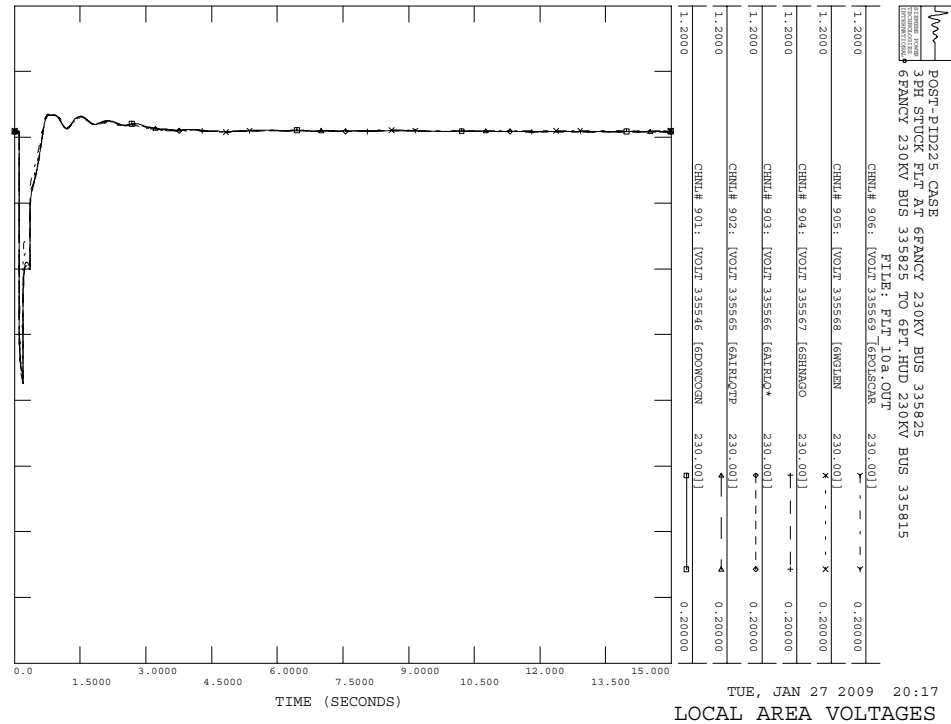
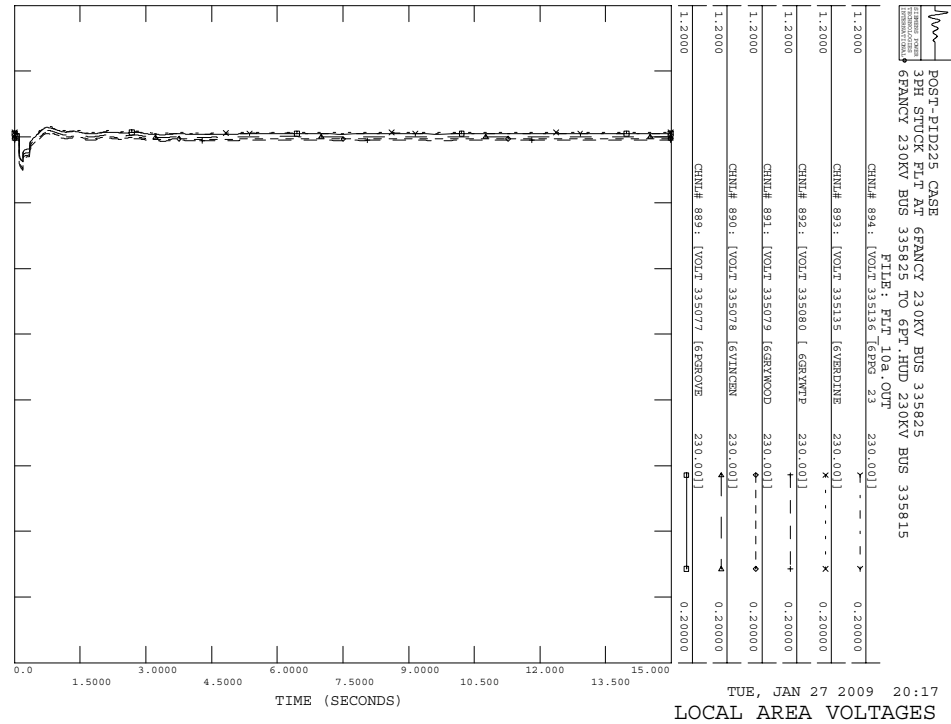
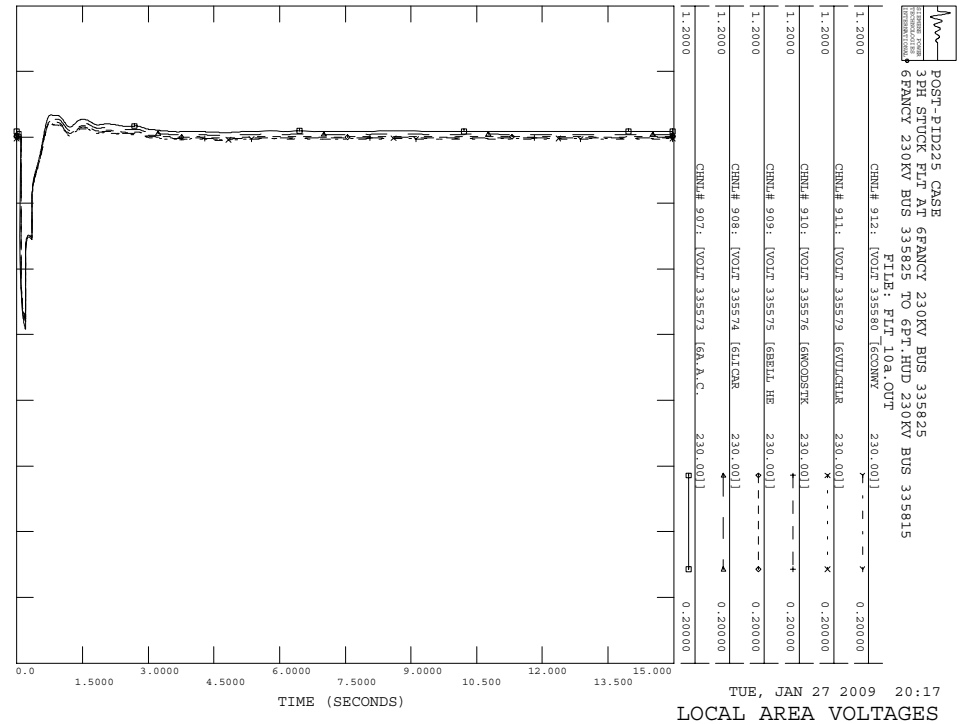
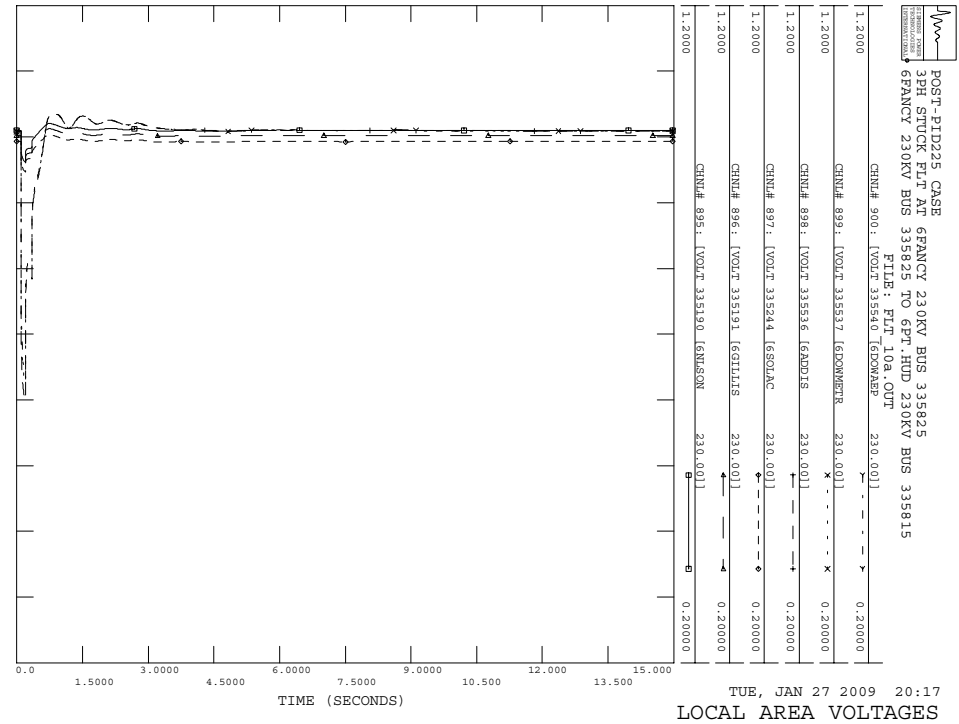
TUE, JAN 27 2009 20:17
MACHINE ANGLES

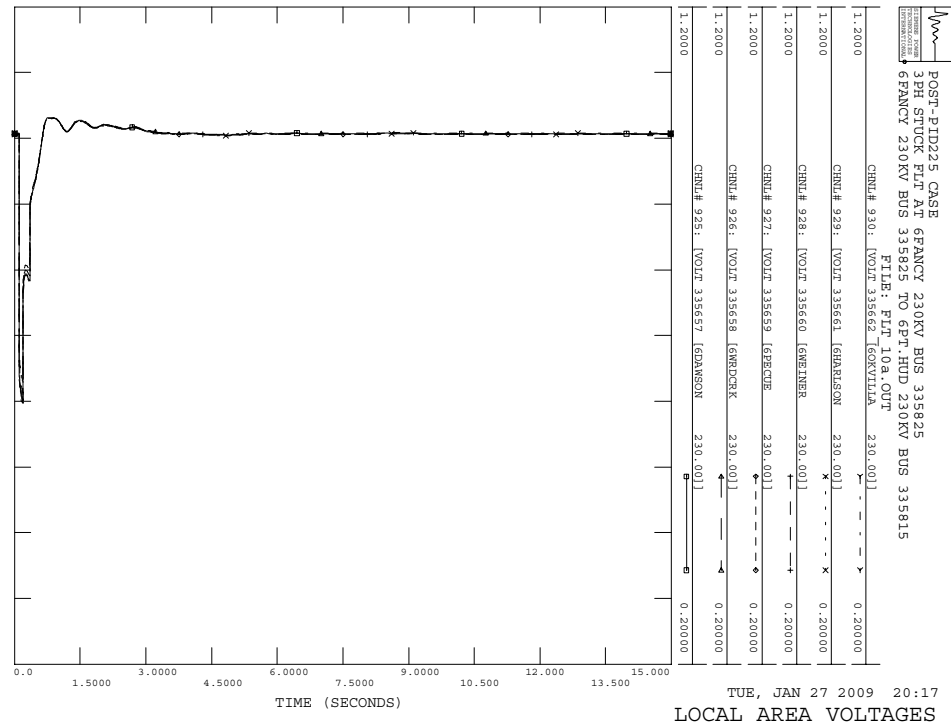
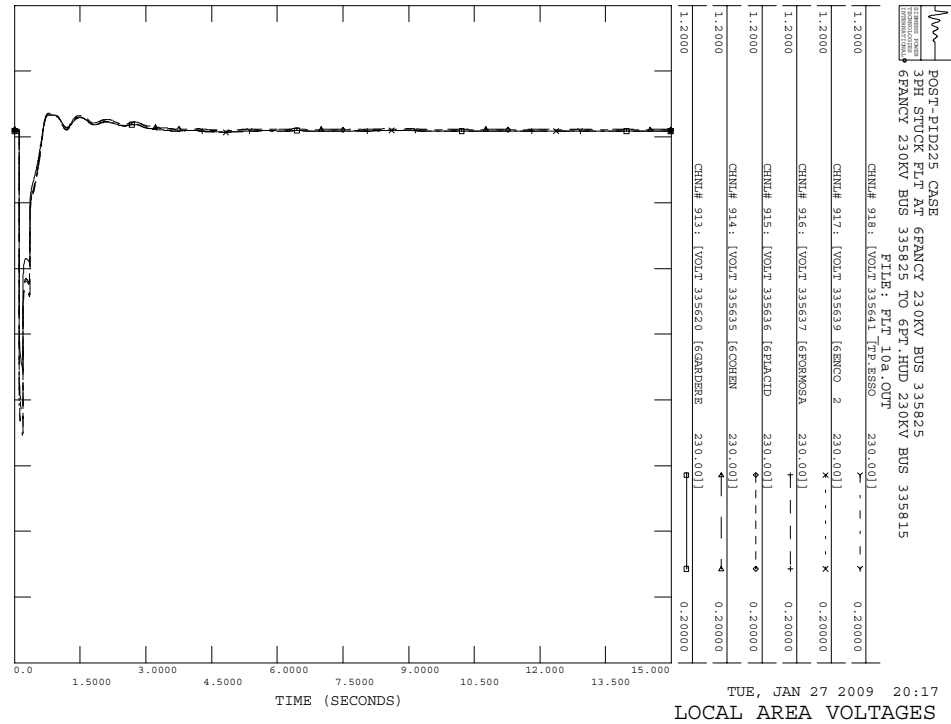
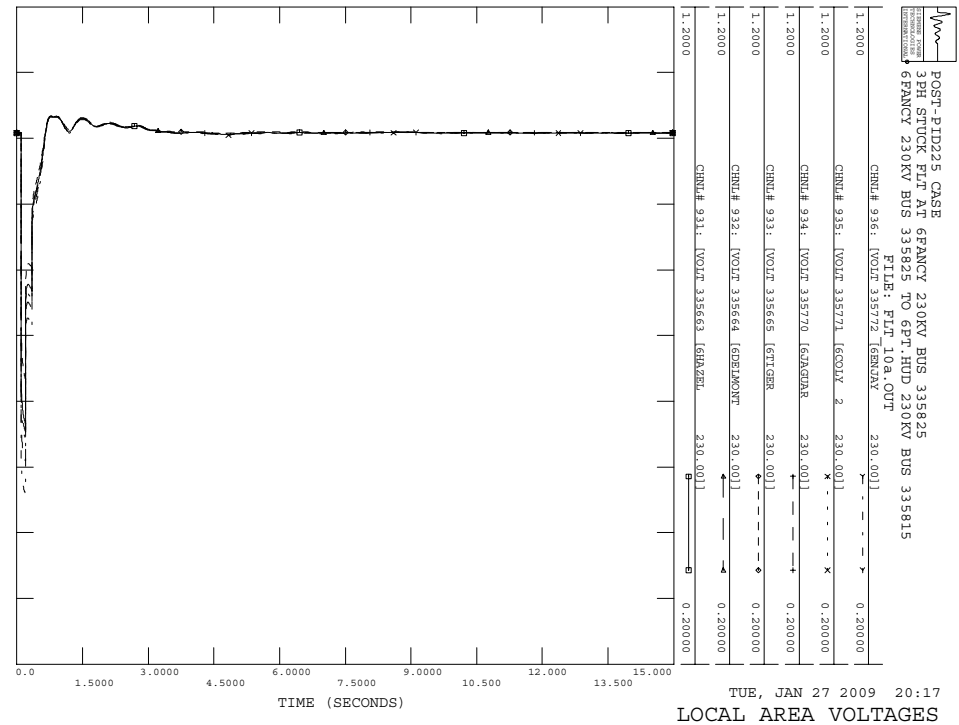
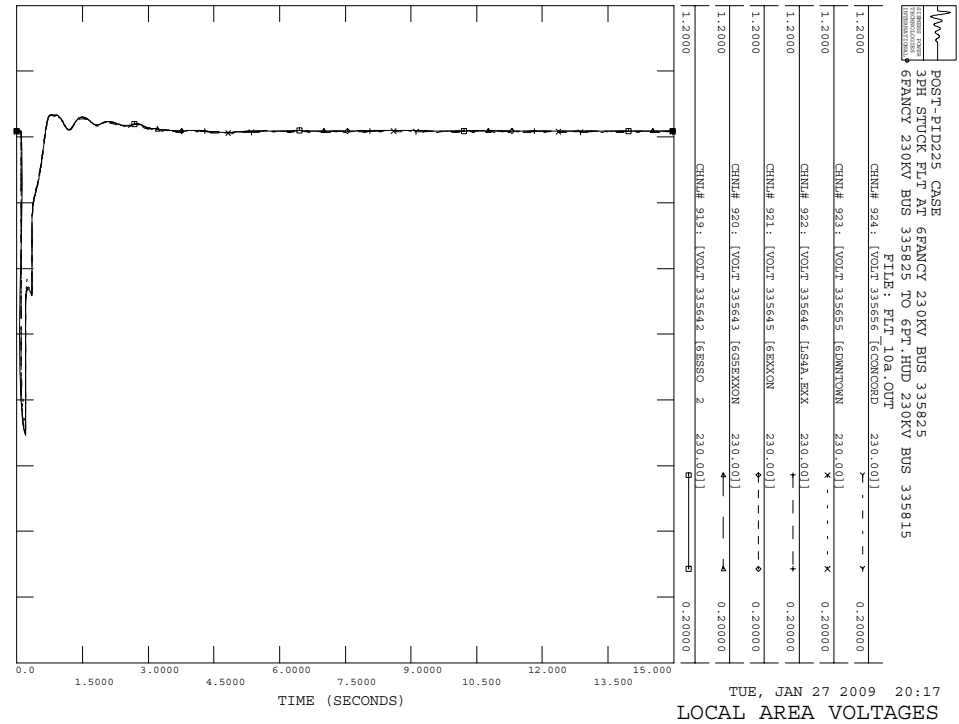




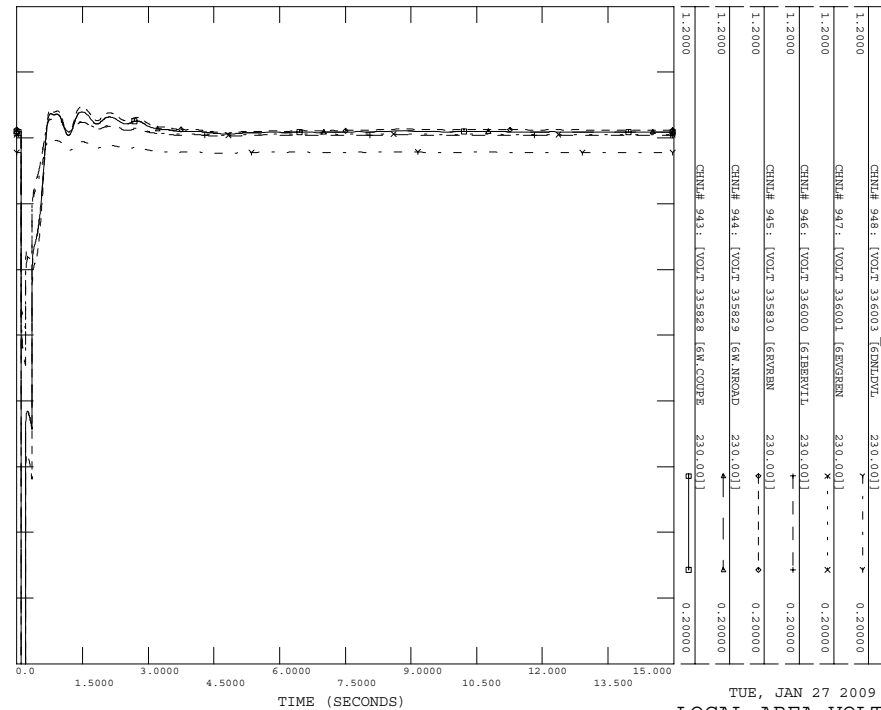




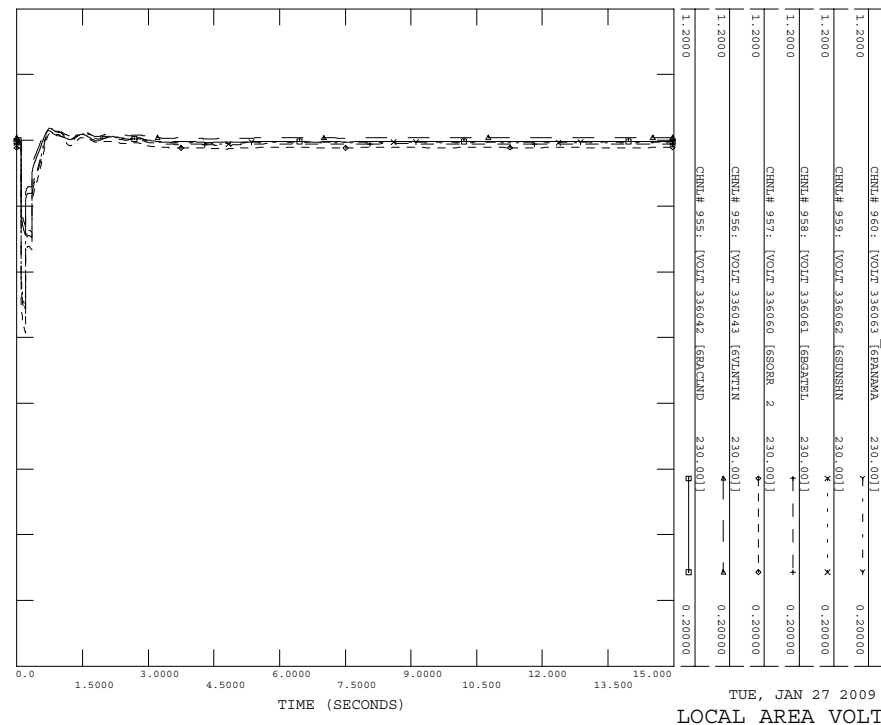




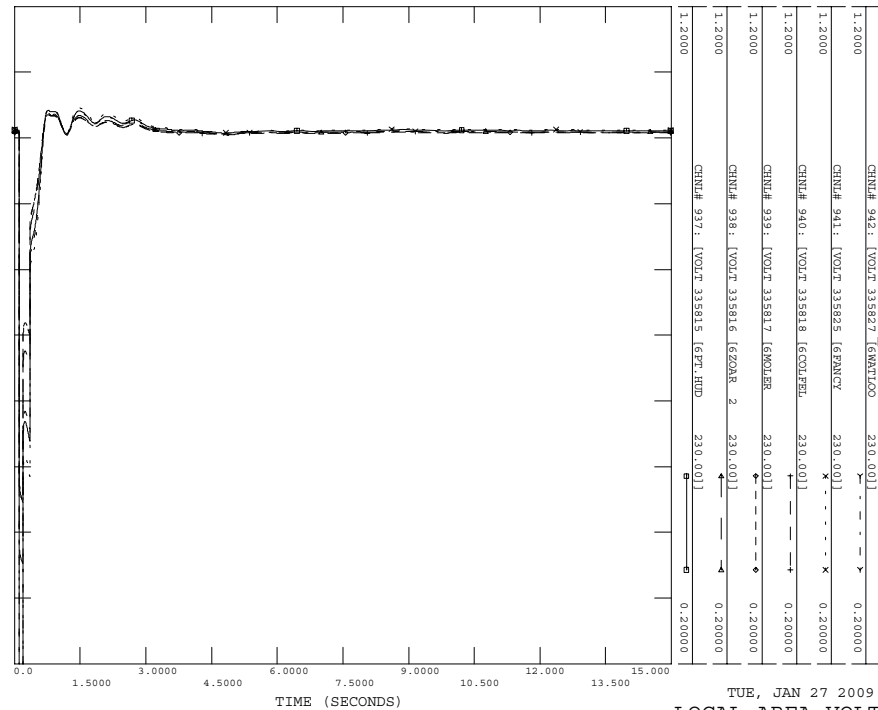
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT



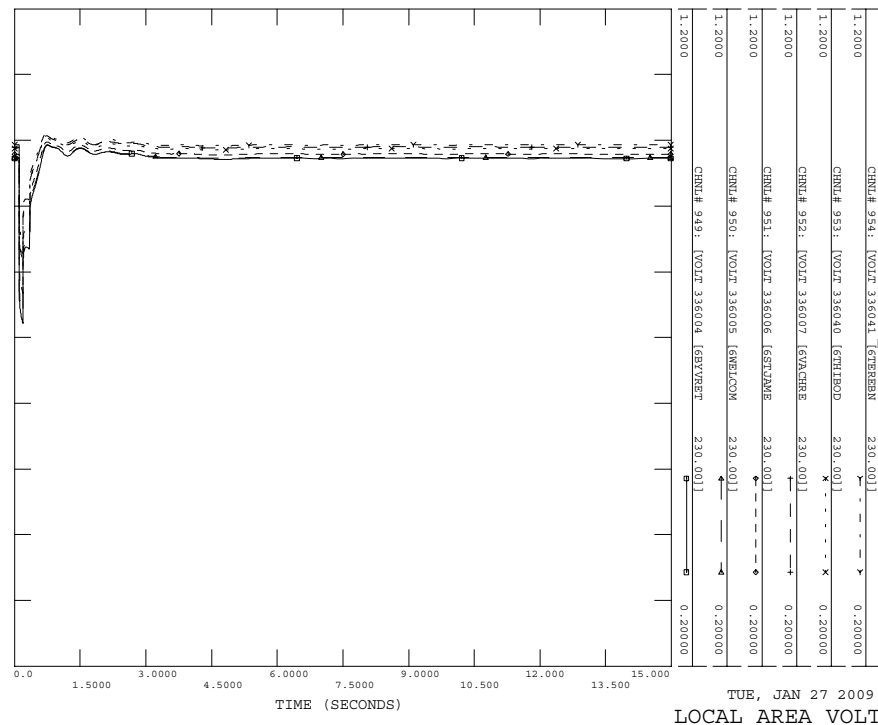
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

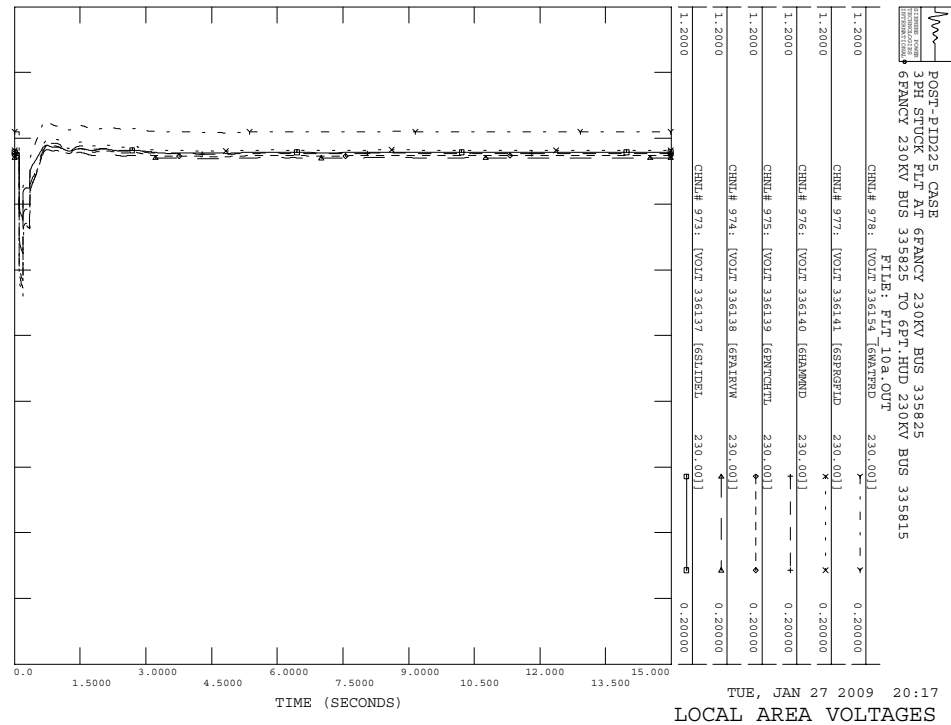
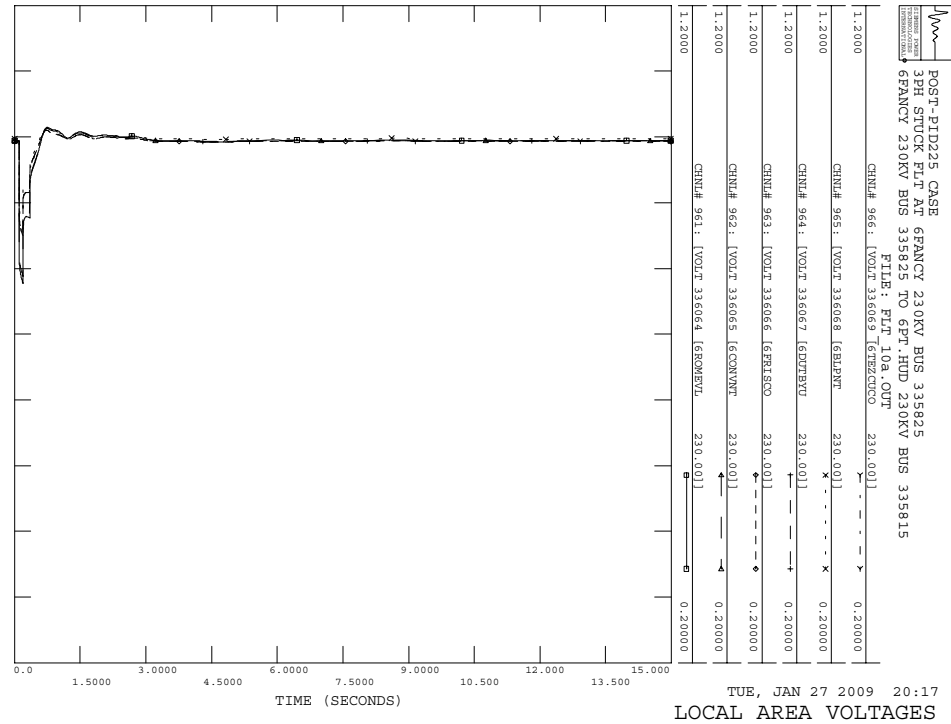
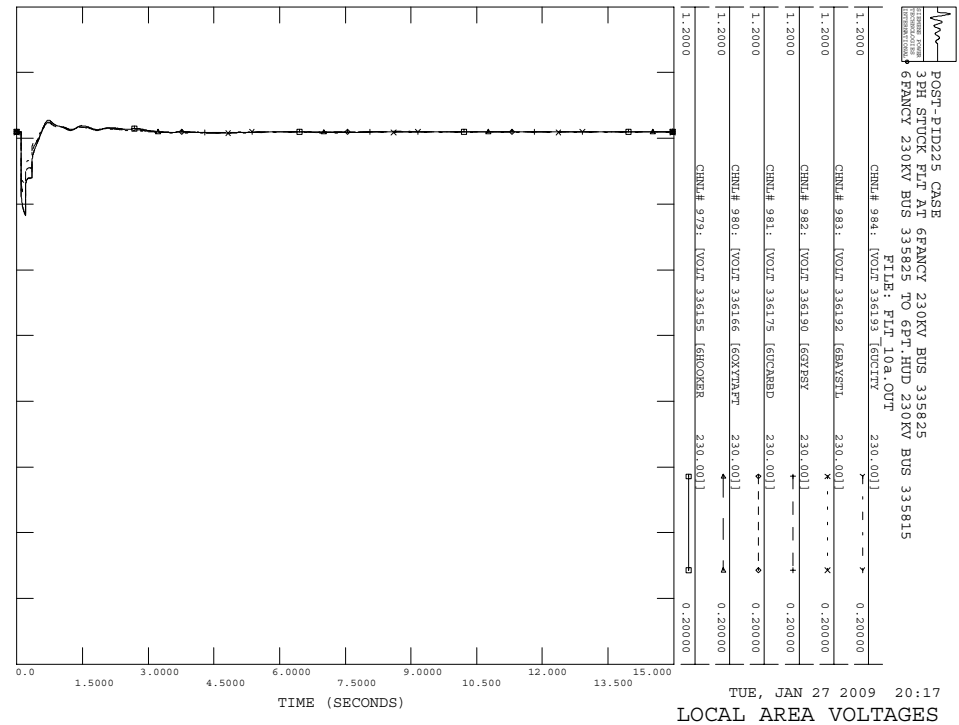
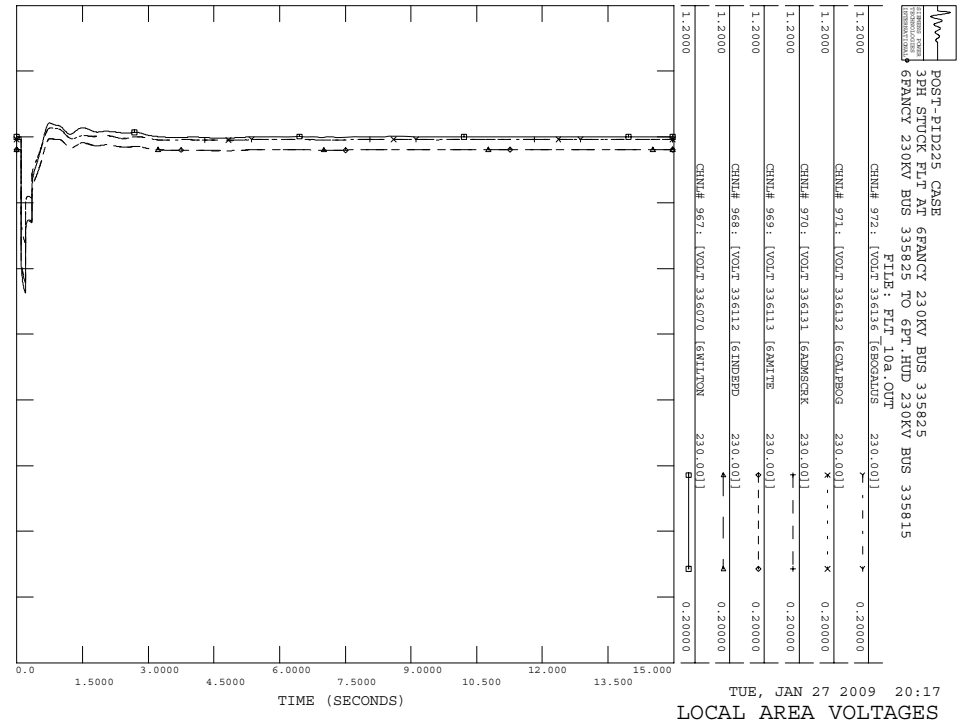


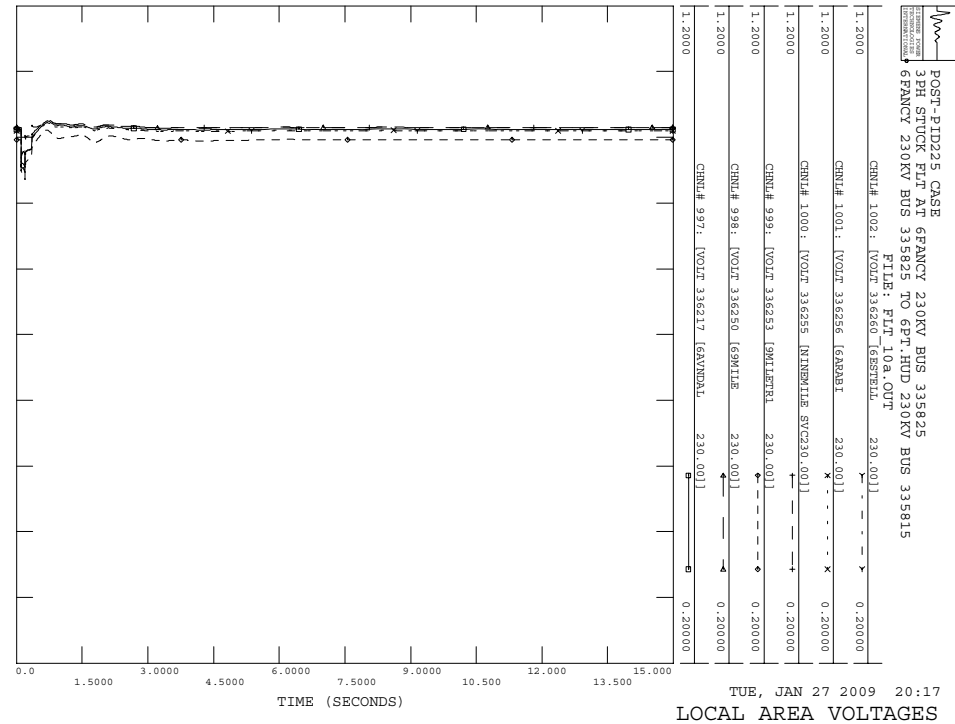
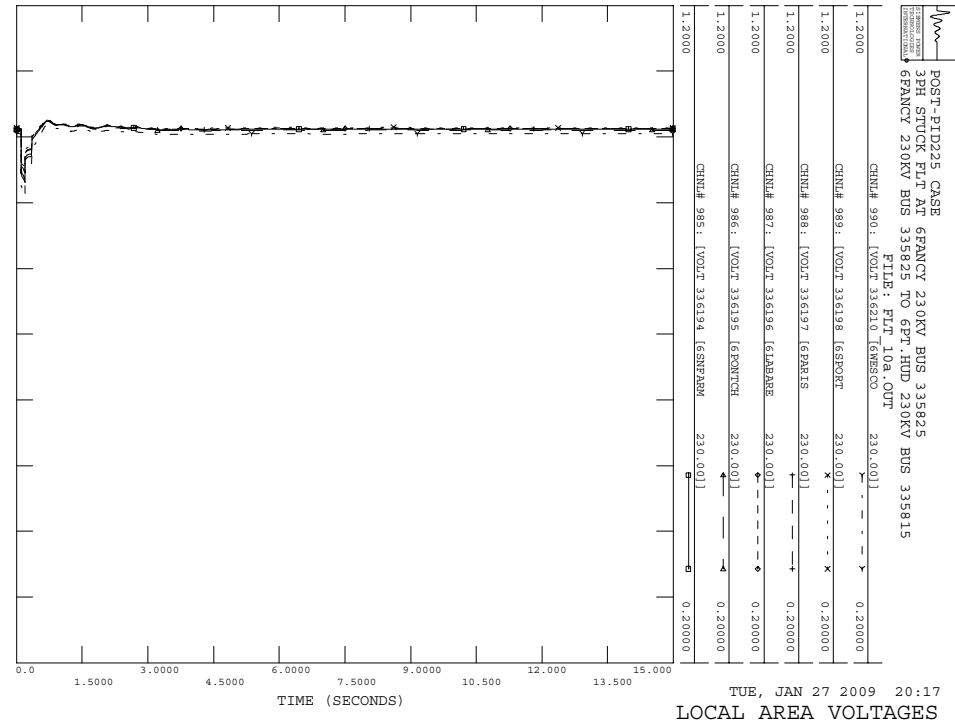
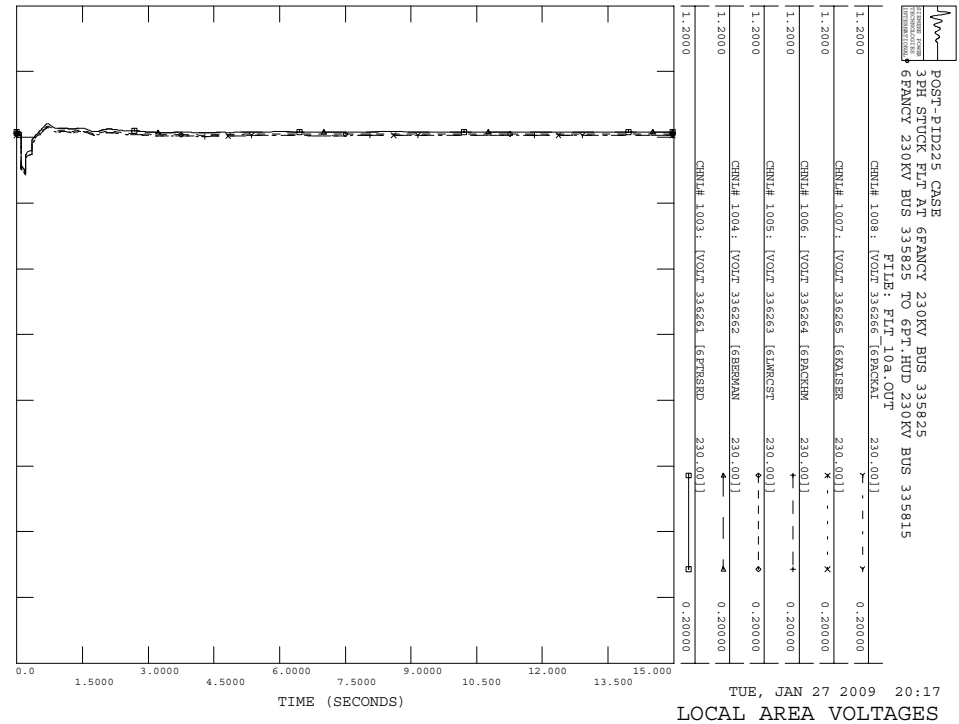
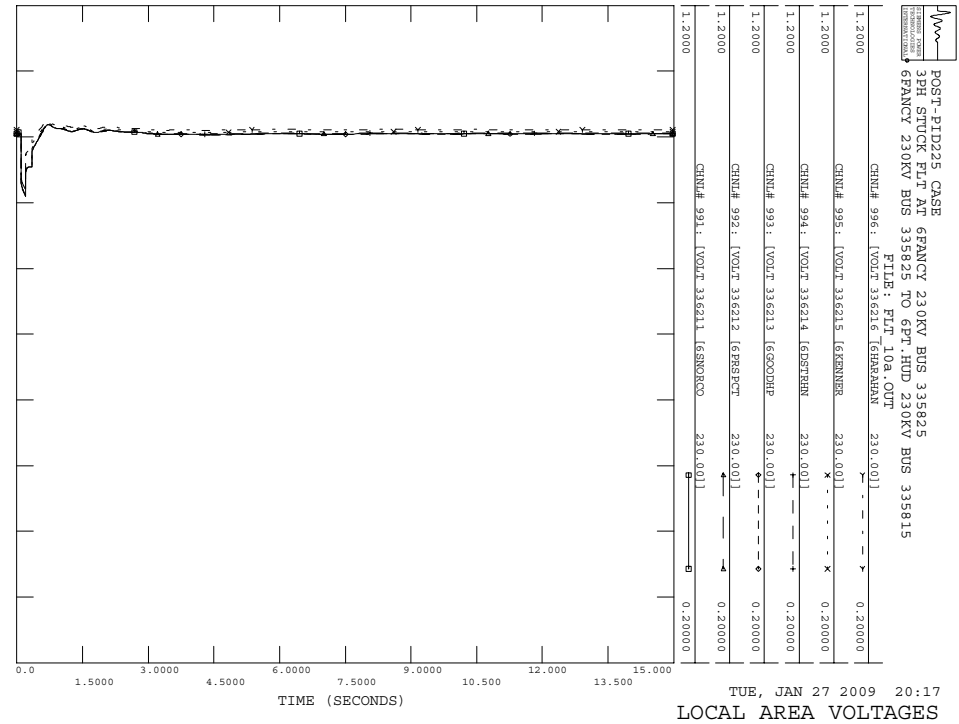
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

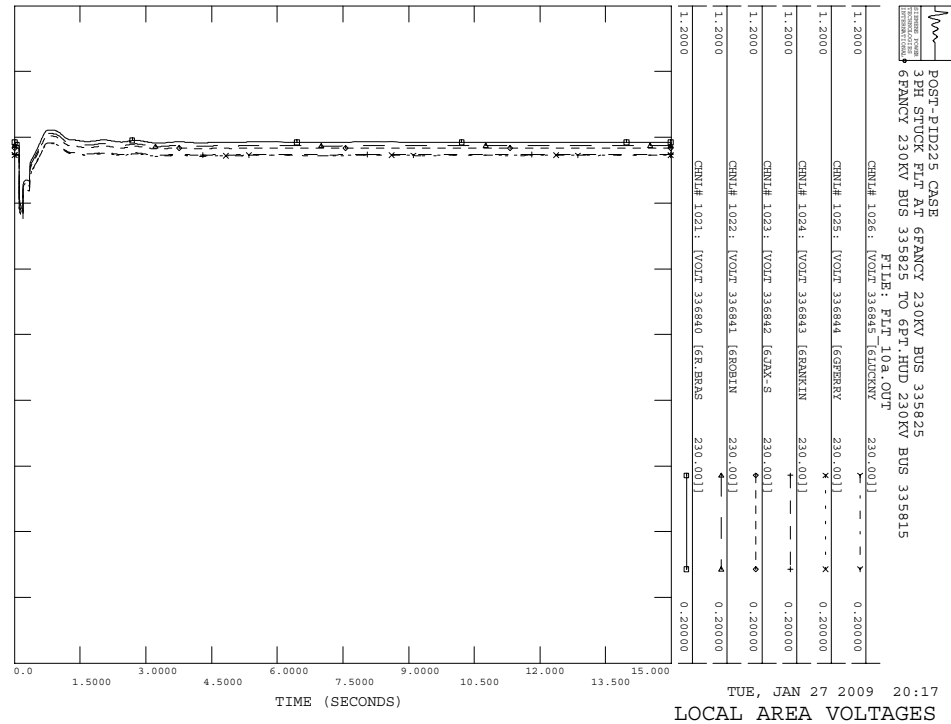
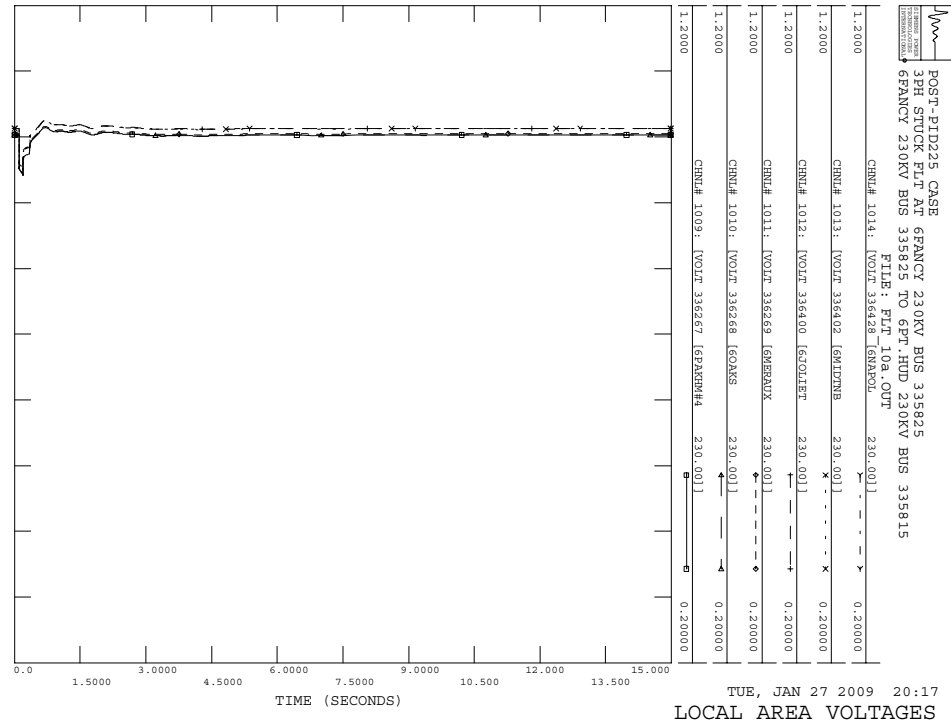
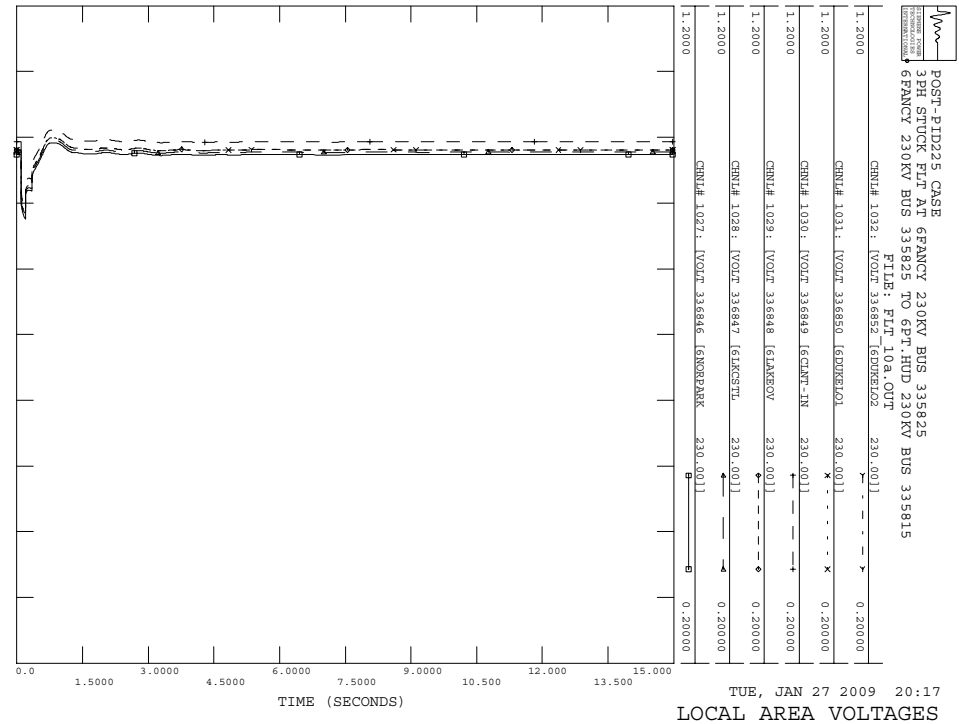
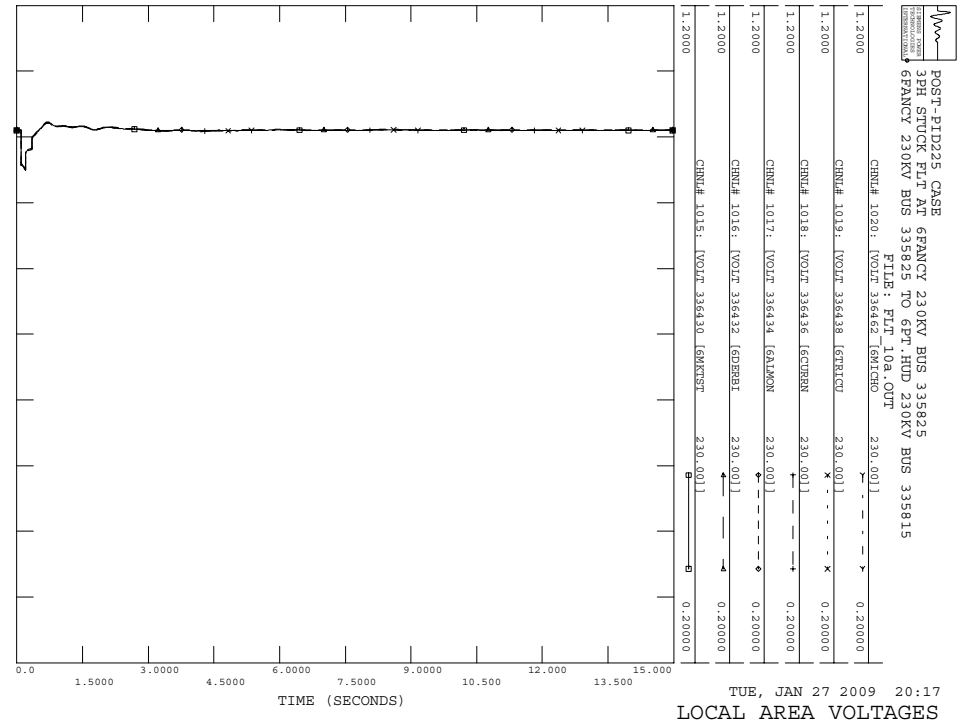


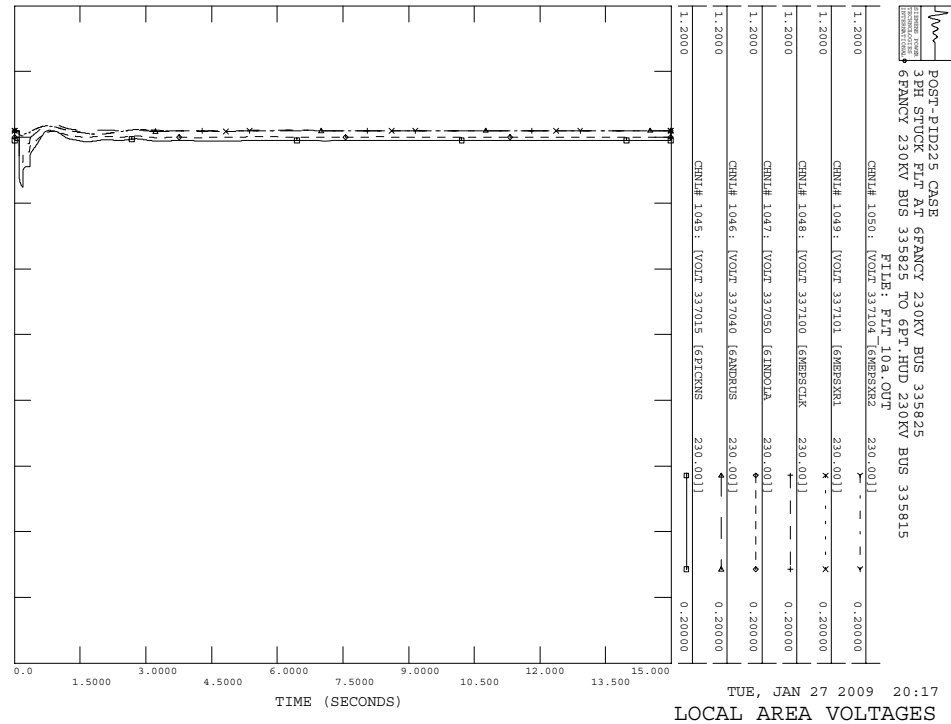
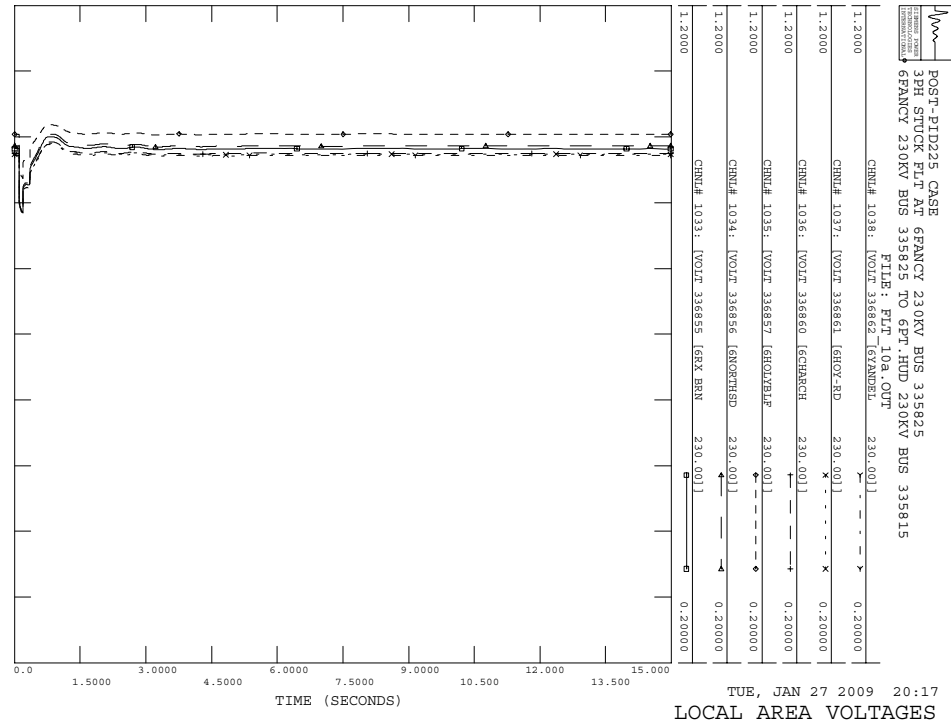
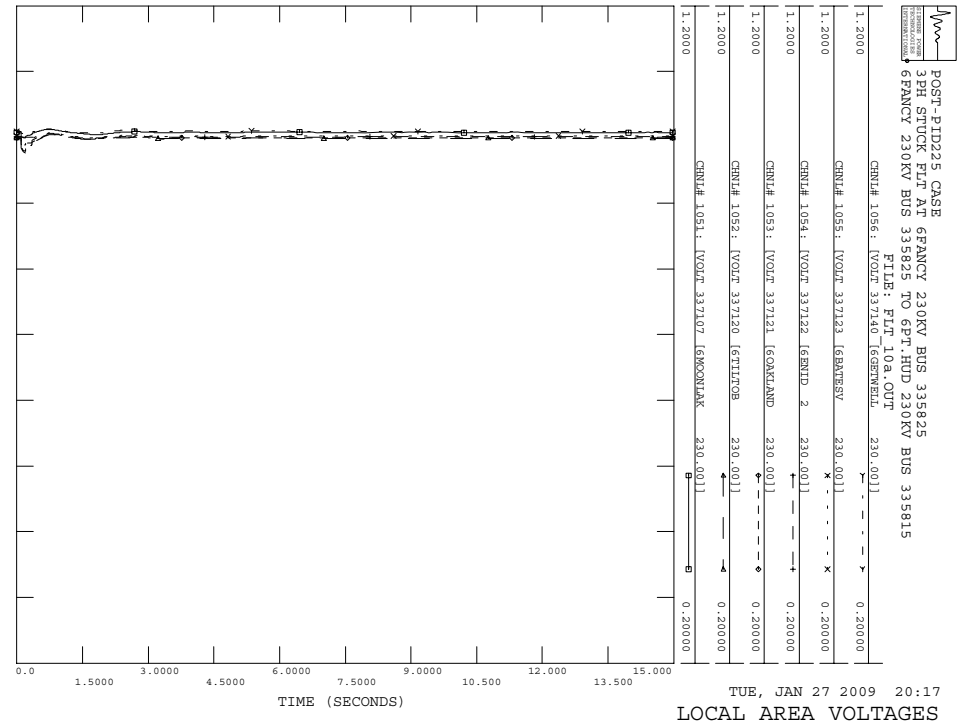
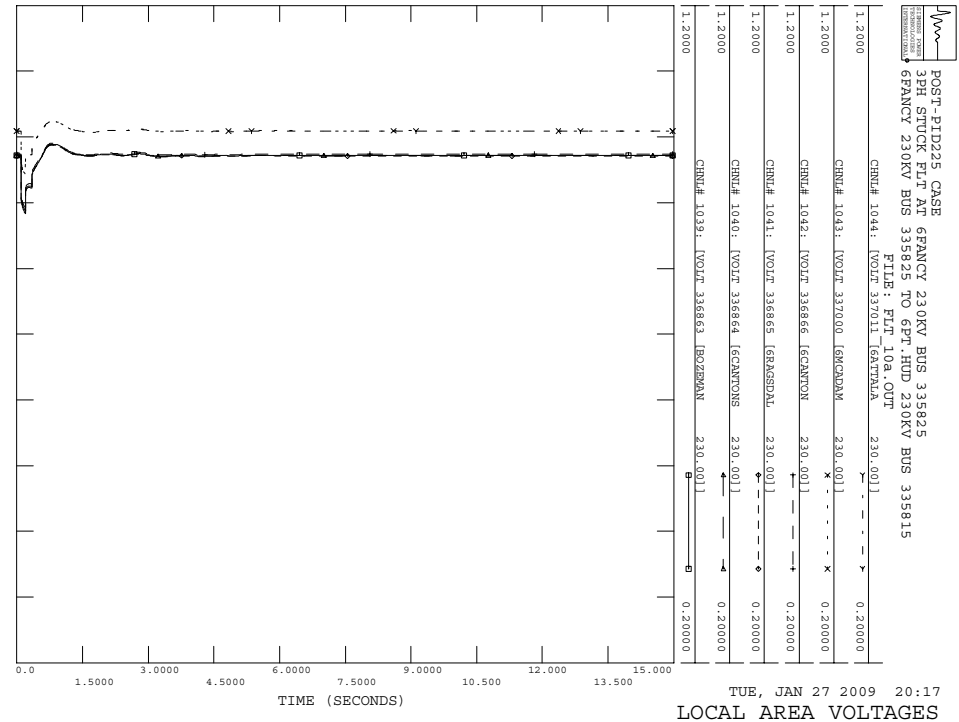
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815
FILE: FLT_10A.OUT

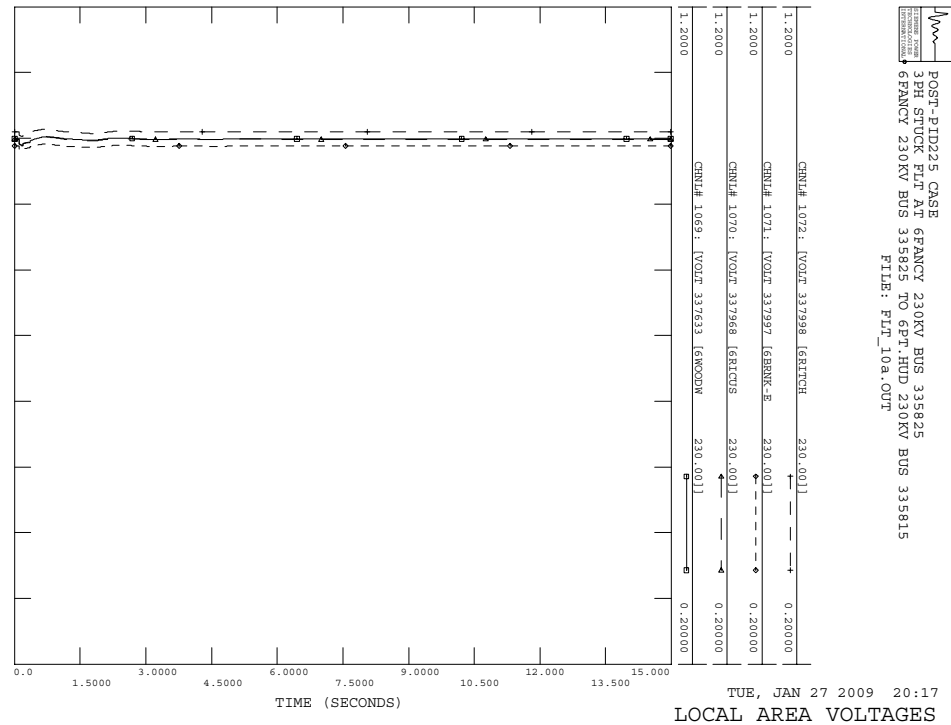
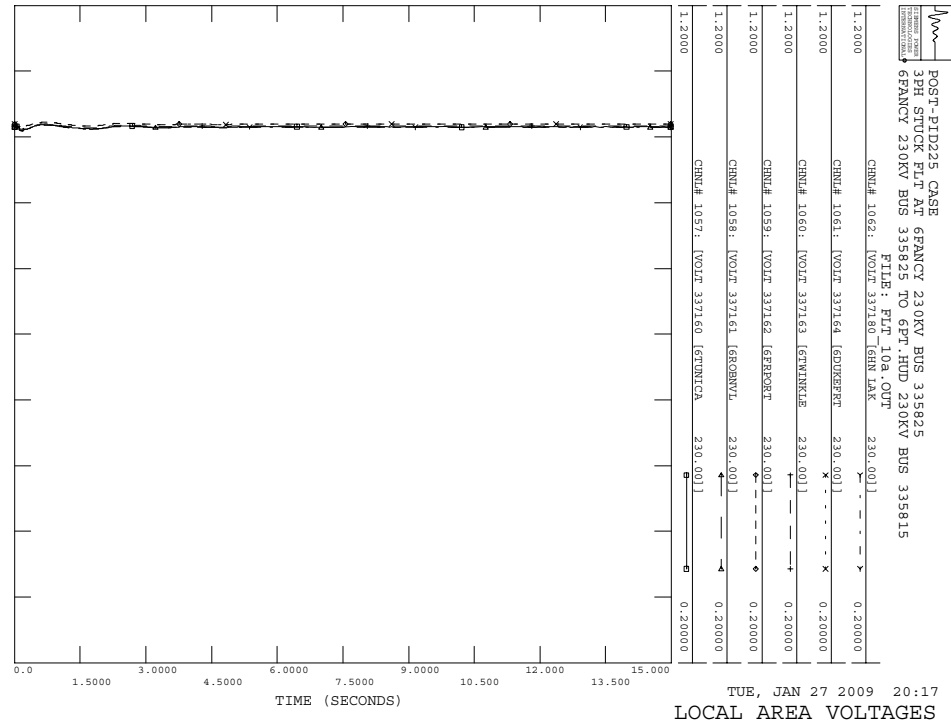
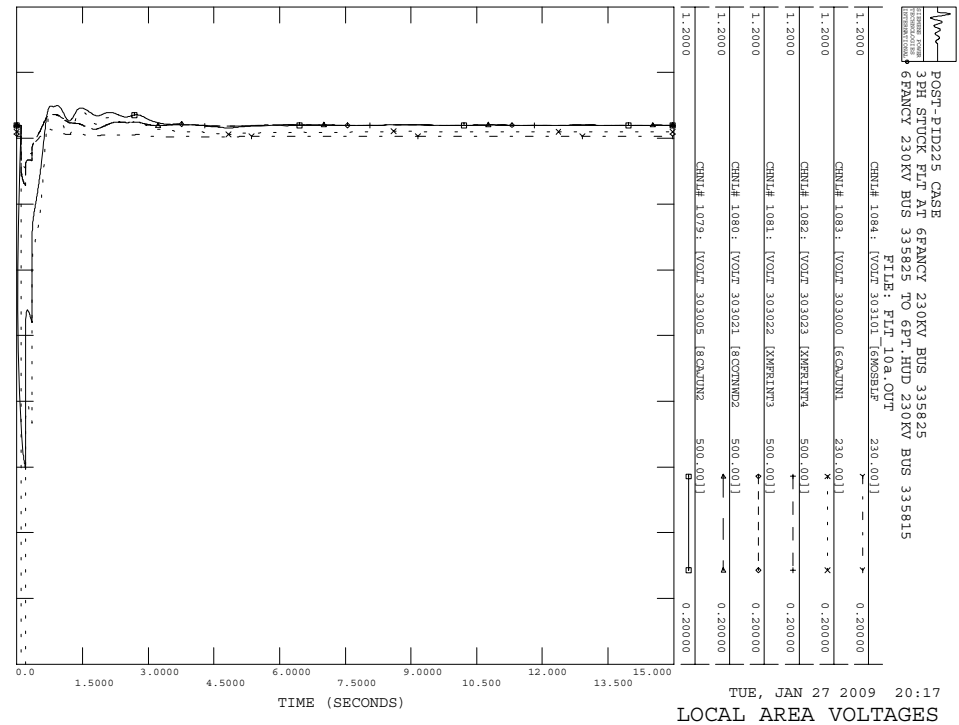
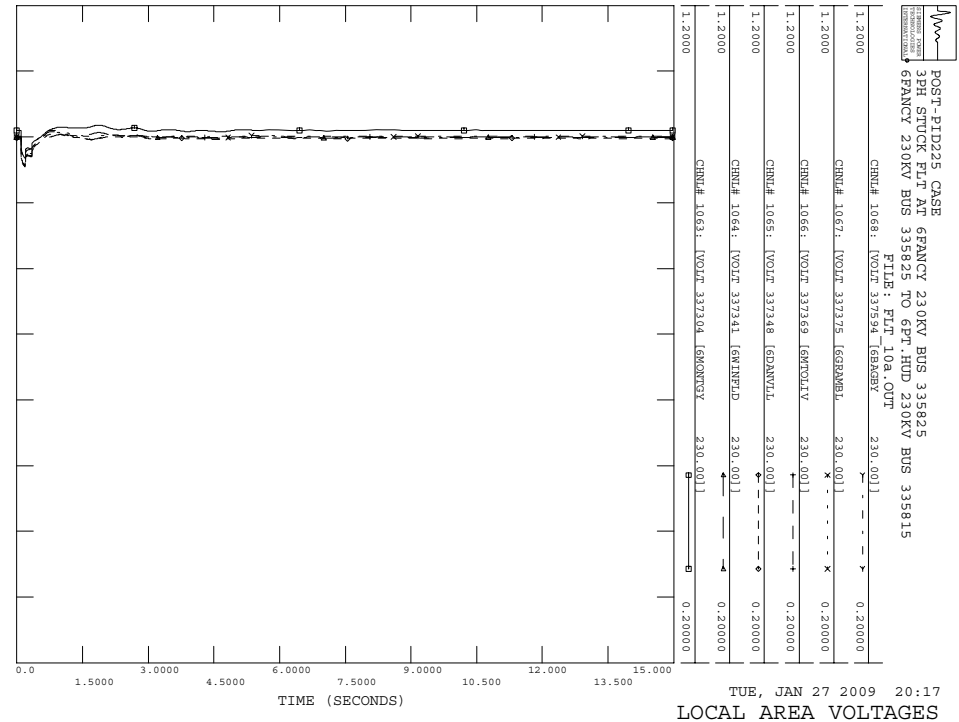


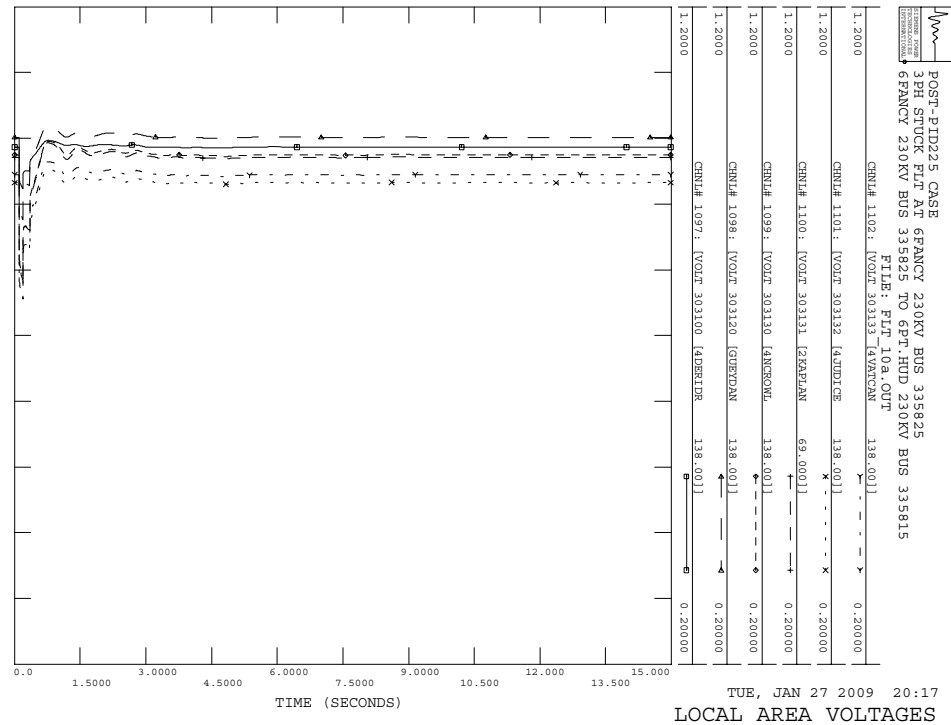
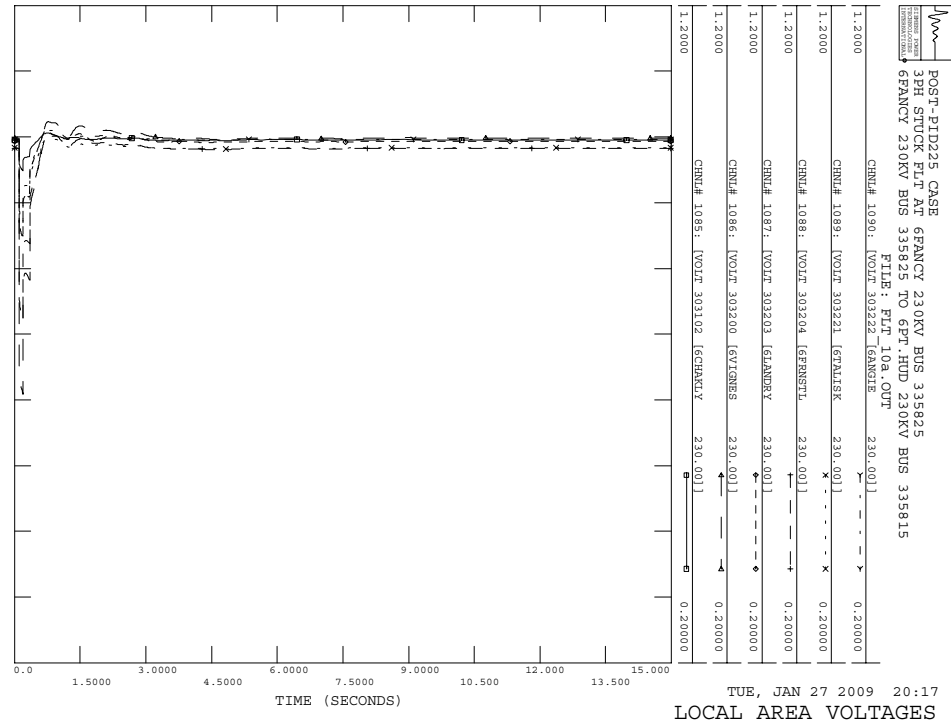
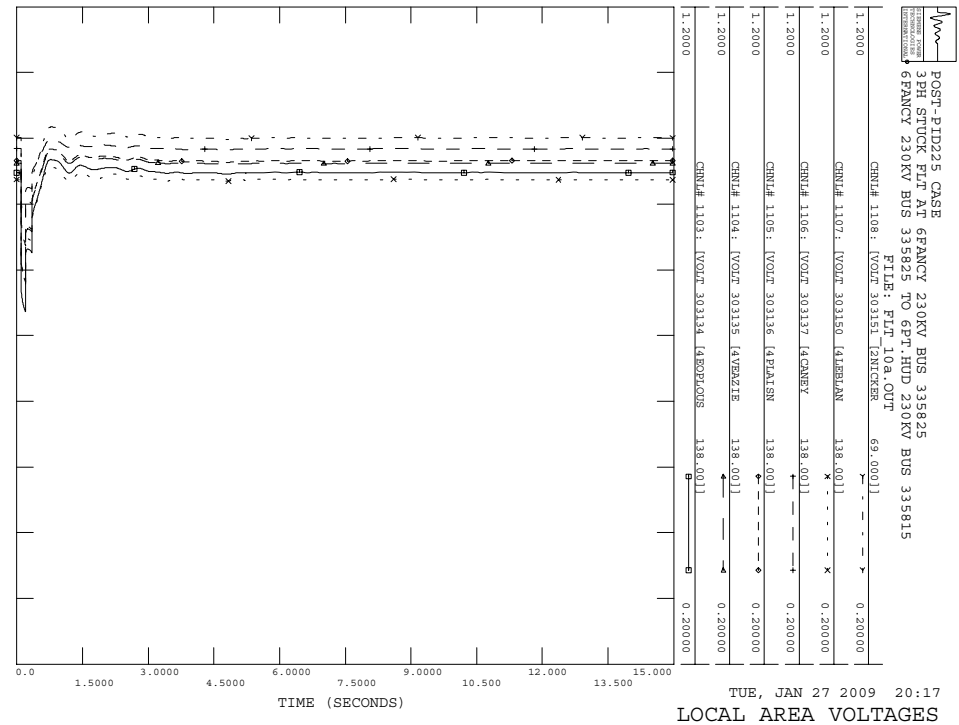
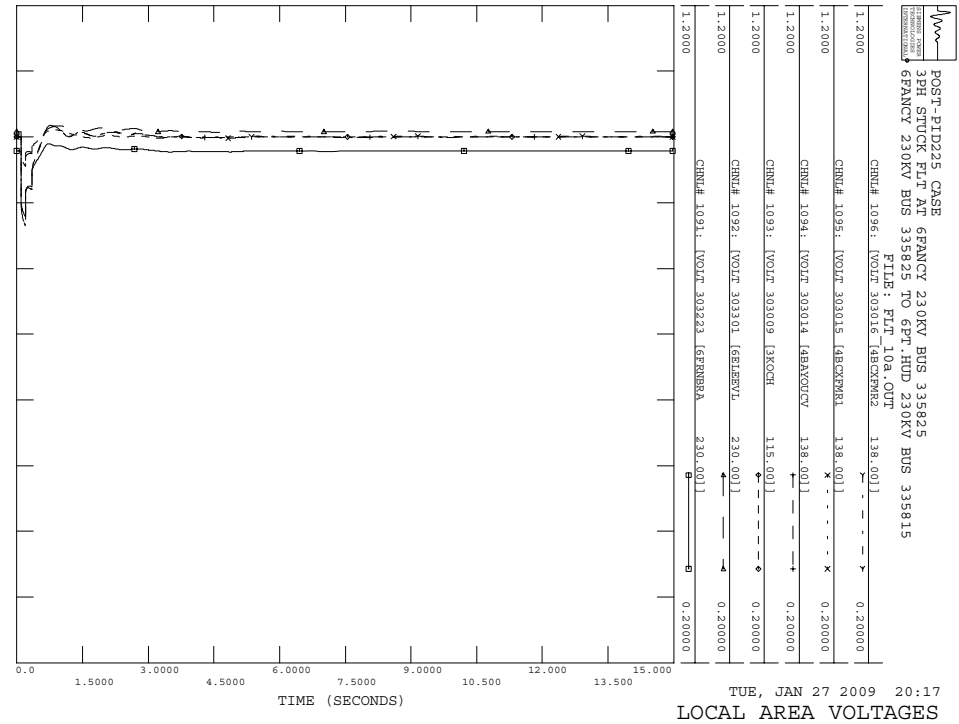


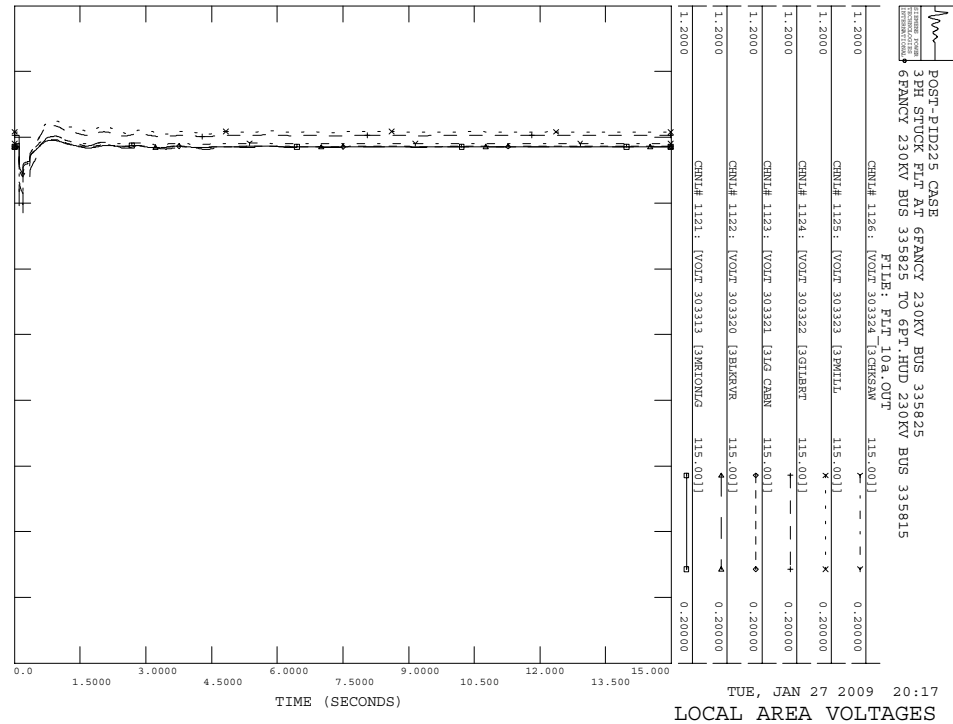
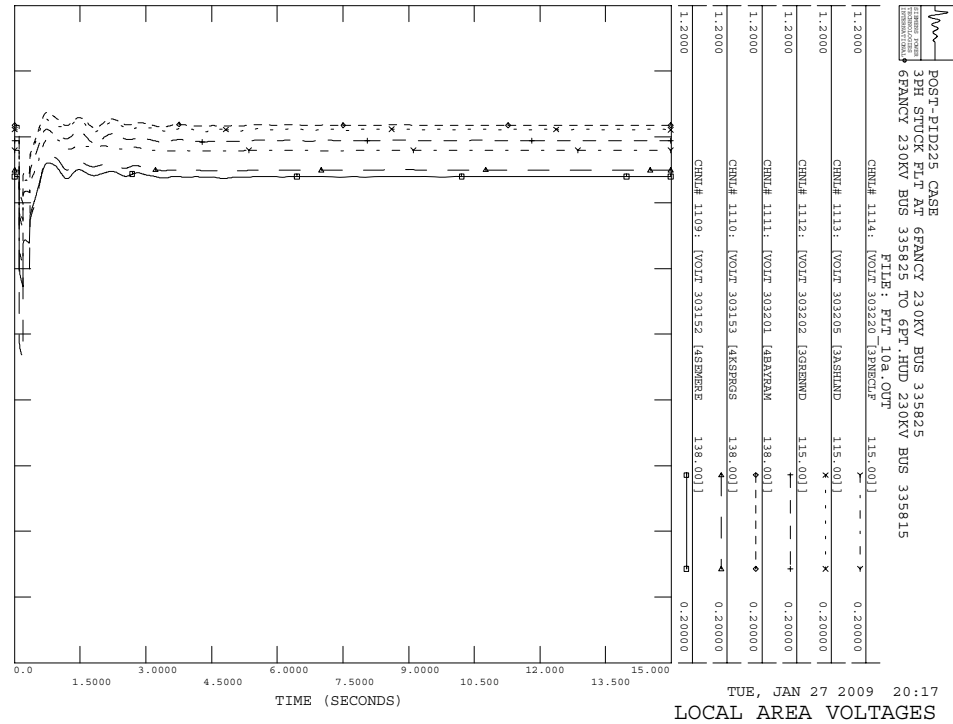
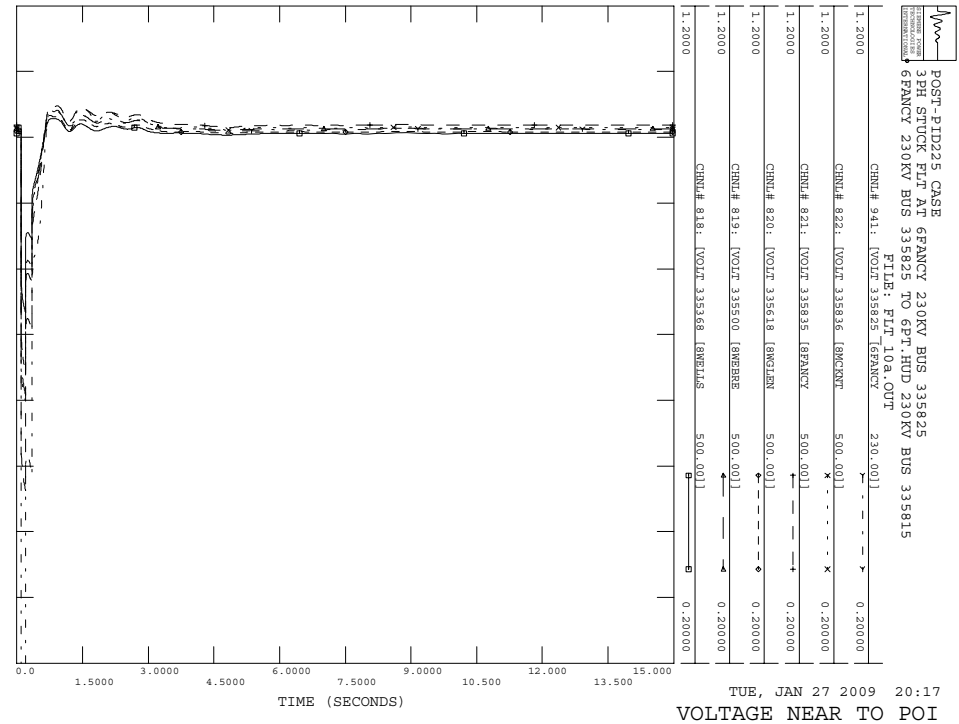
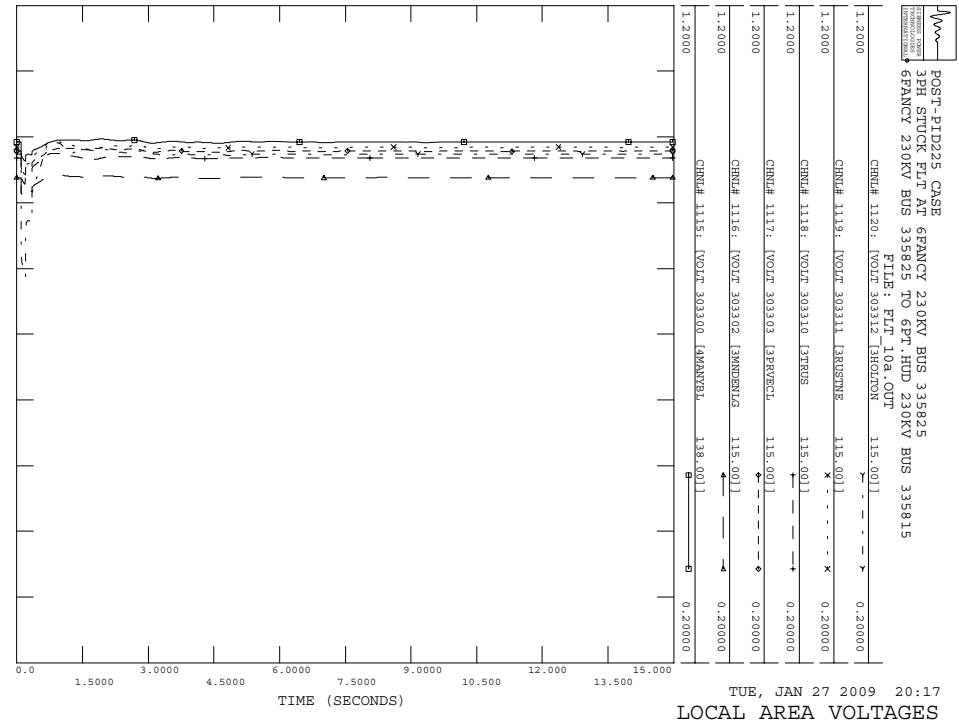




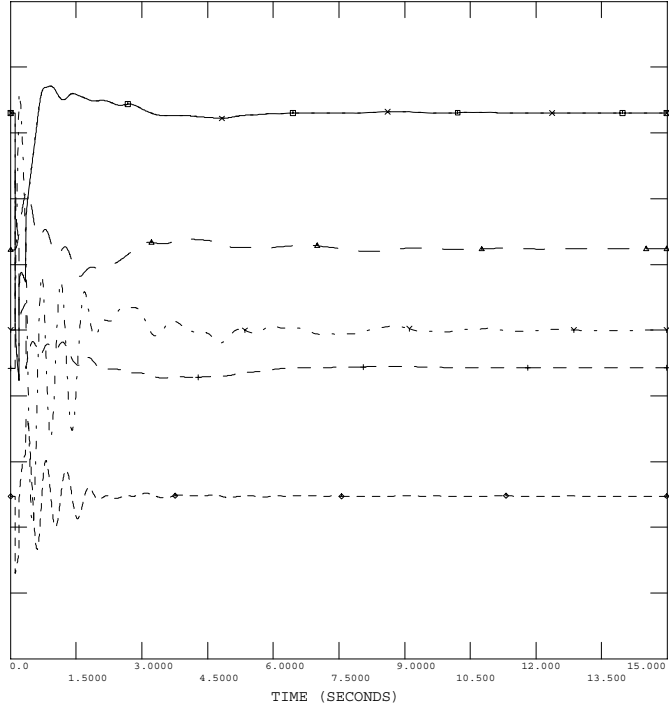
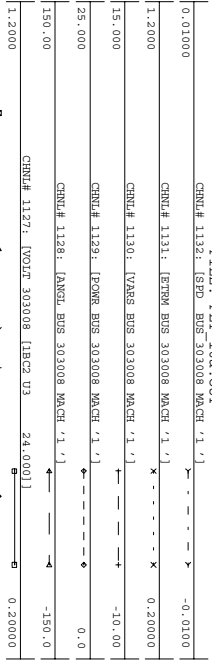








POST-PID225 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
68PANCY 230KV BUS 335825 TO 68T1HDV 230KV BUS 335815
FILE: FLT_108.OUT



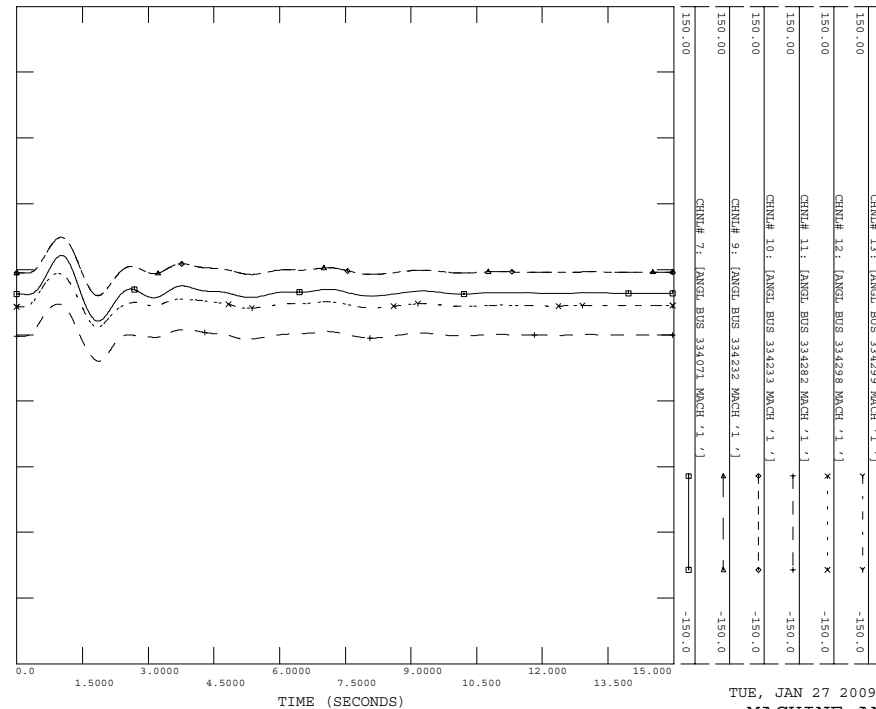
TUE, JAN 27 2009 20:18
PID-225 PLOTS

C.18 FLT_10b

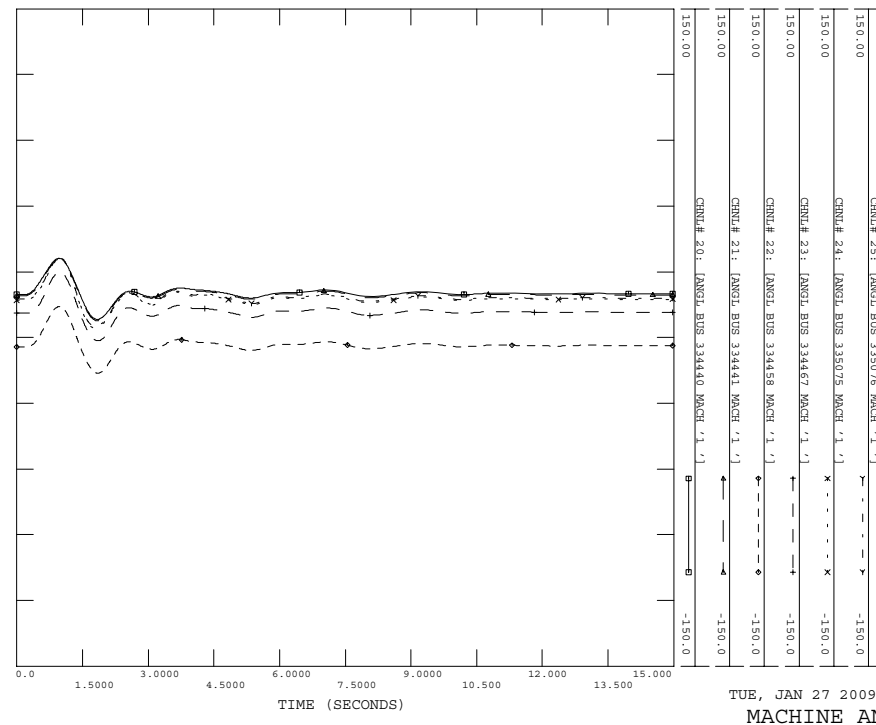
Stuck breaker fault on the 6FANCY (#335825) to 6PT.HUD (#335815) 230 kV line, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping line from 6FANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2

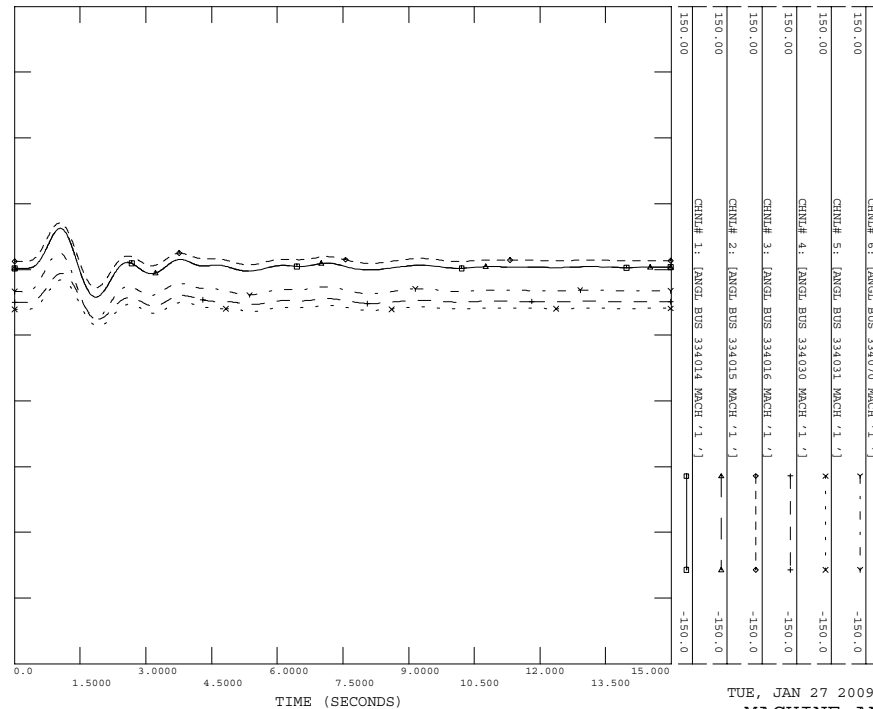
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



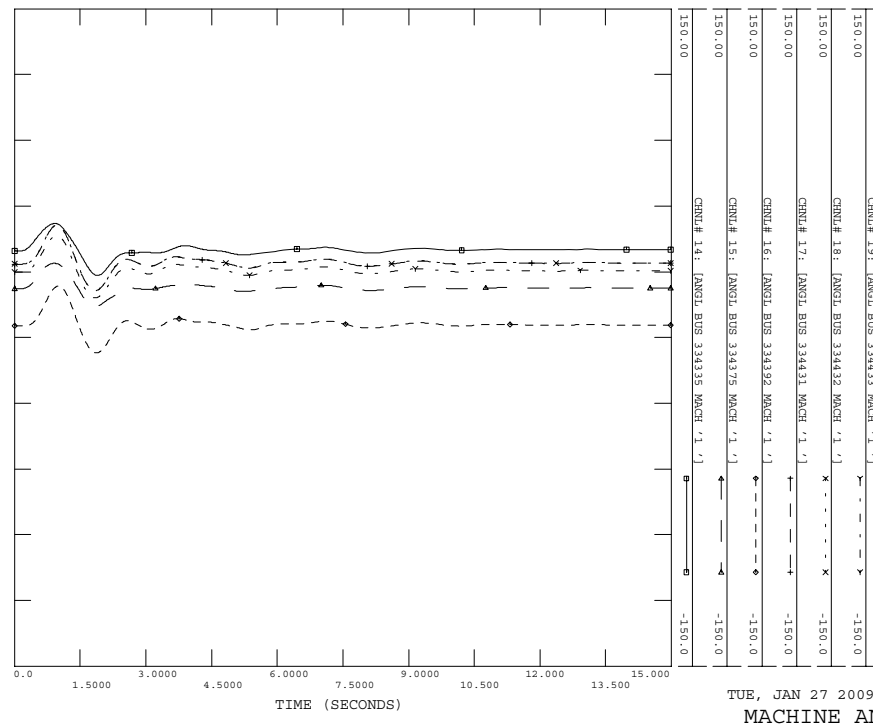
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



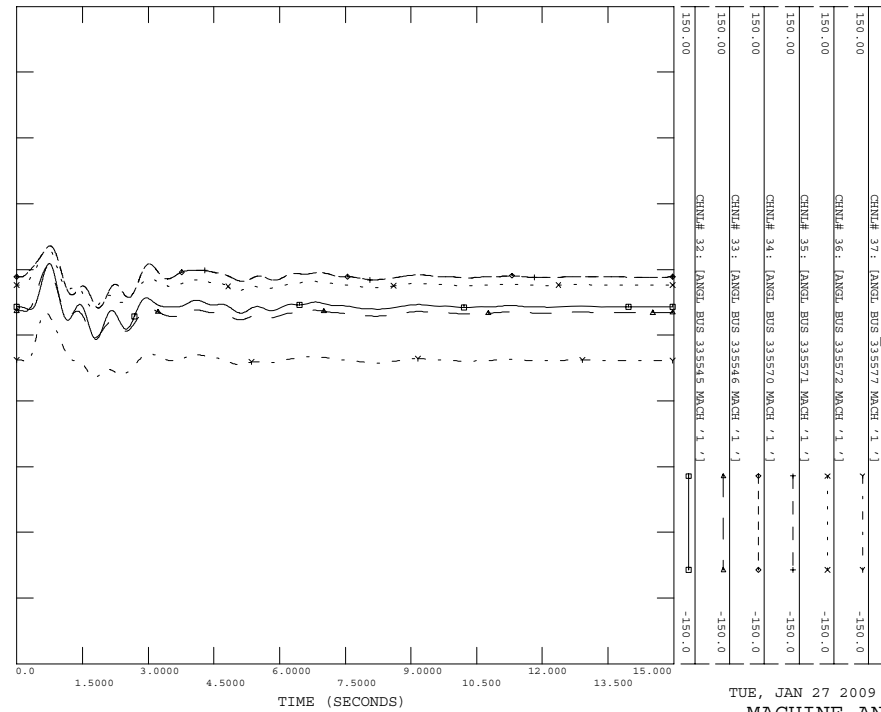
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

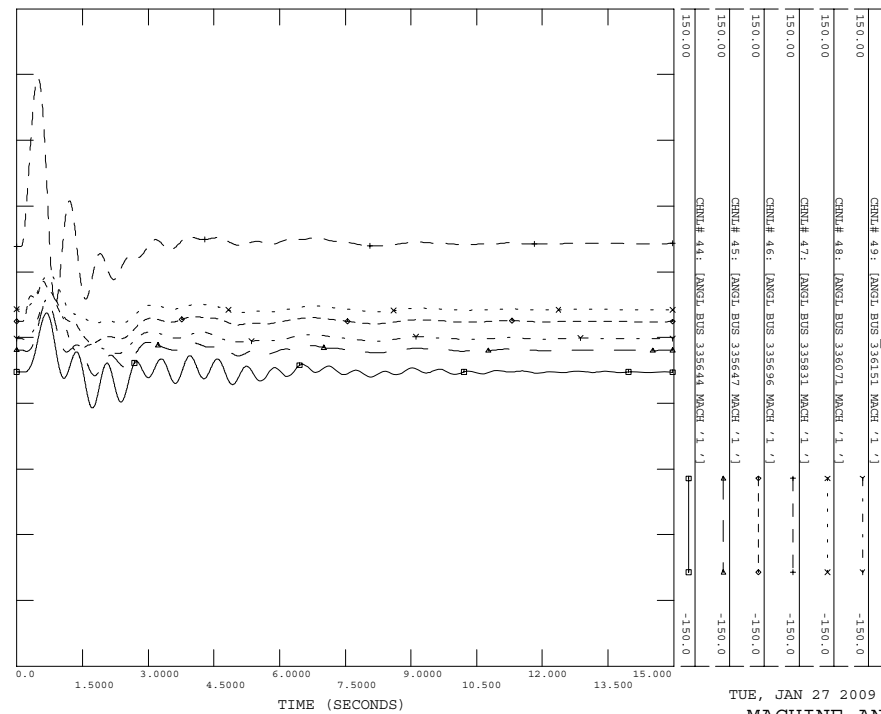


POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



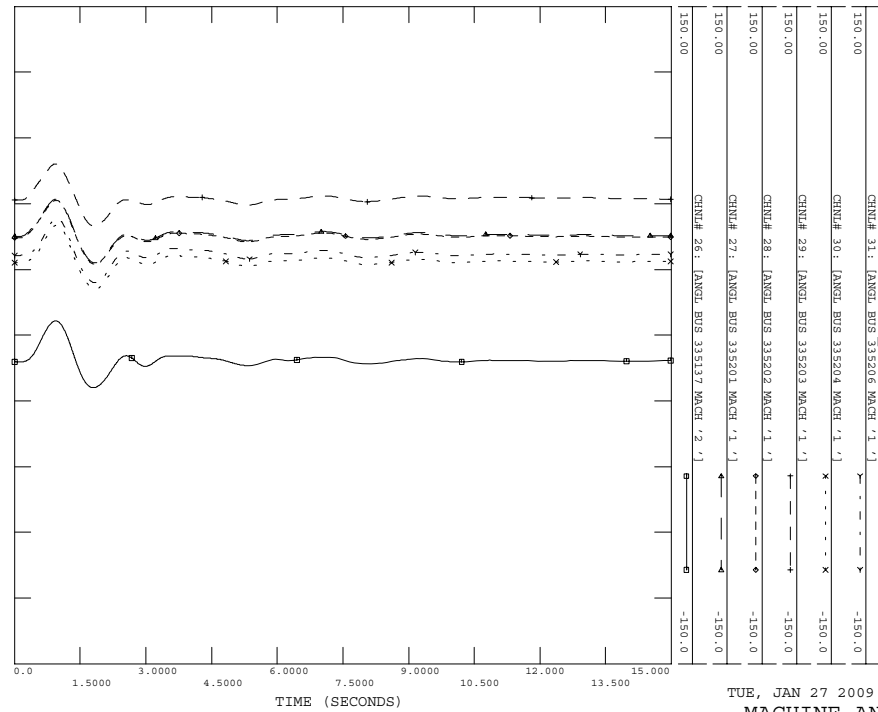
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PTD25 CASE
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6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



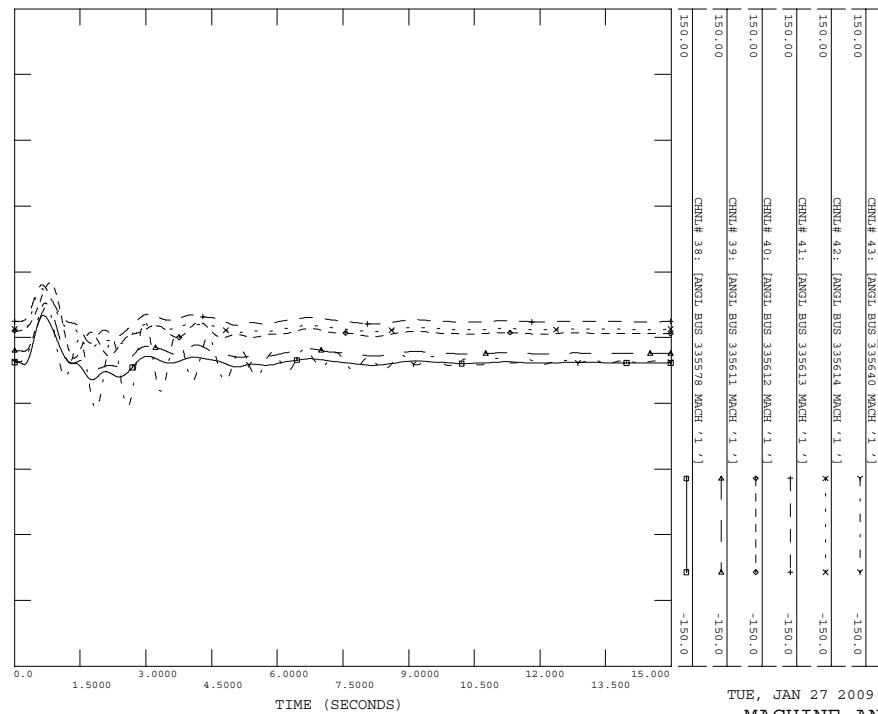
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



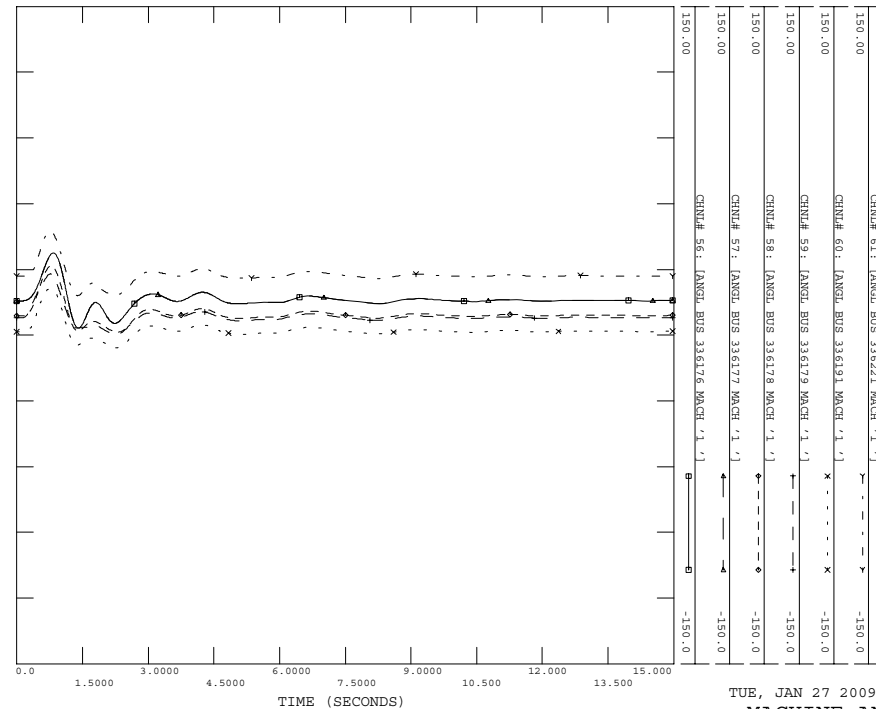
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PTD25 CASE
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6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

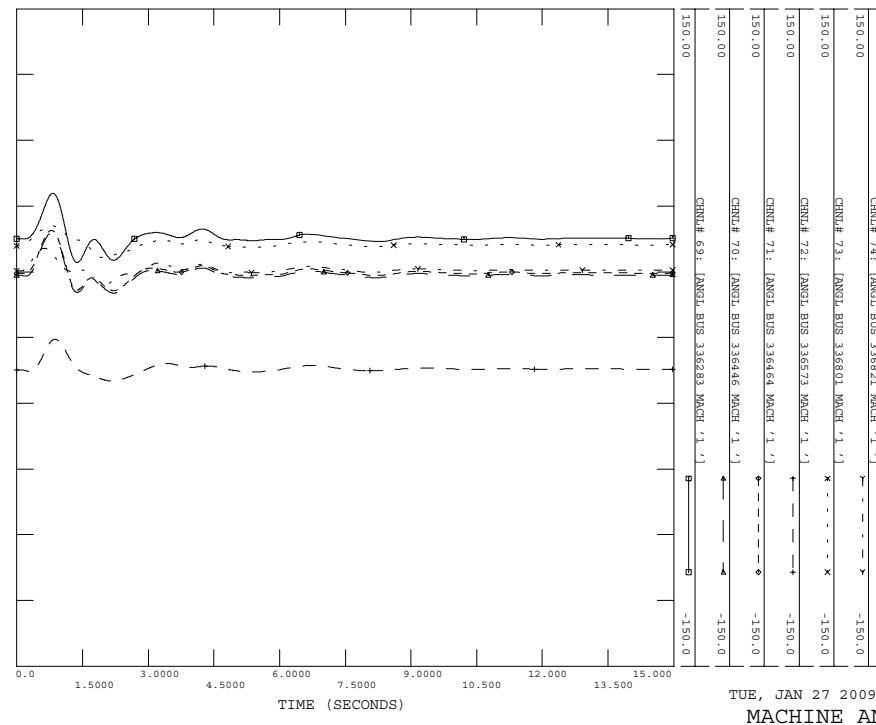


TUE, JAN 27 2009 20:18
MACHINE ANGLES

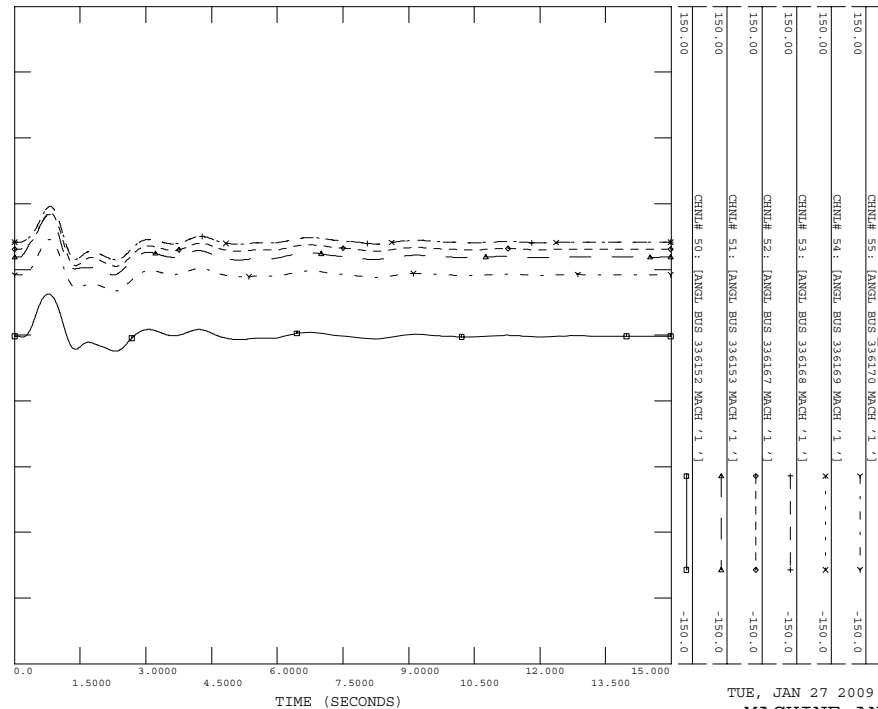
POST-PID225 CASE
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6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



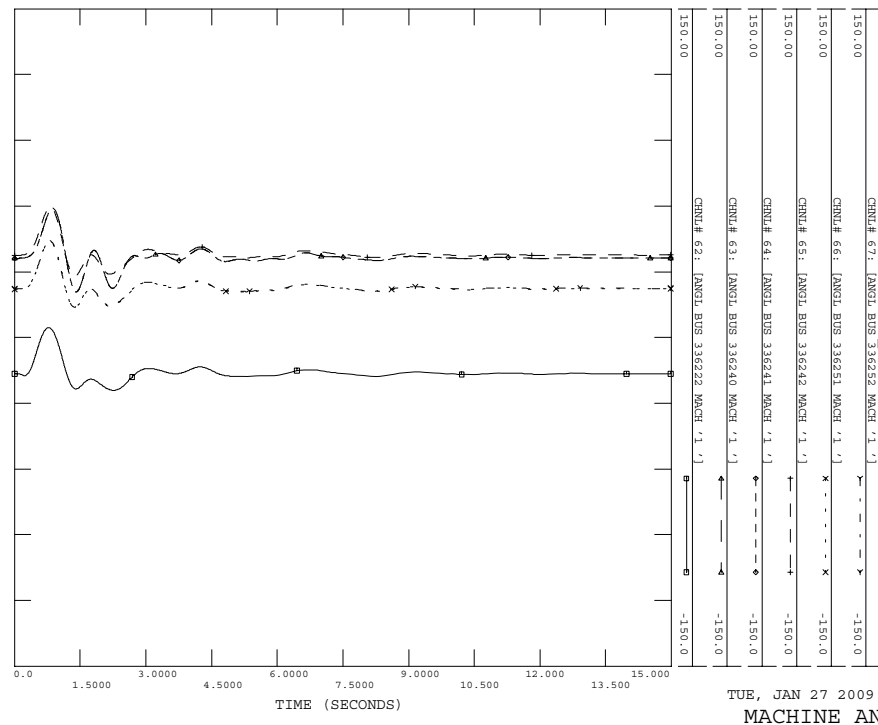
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

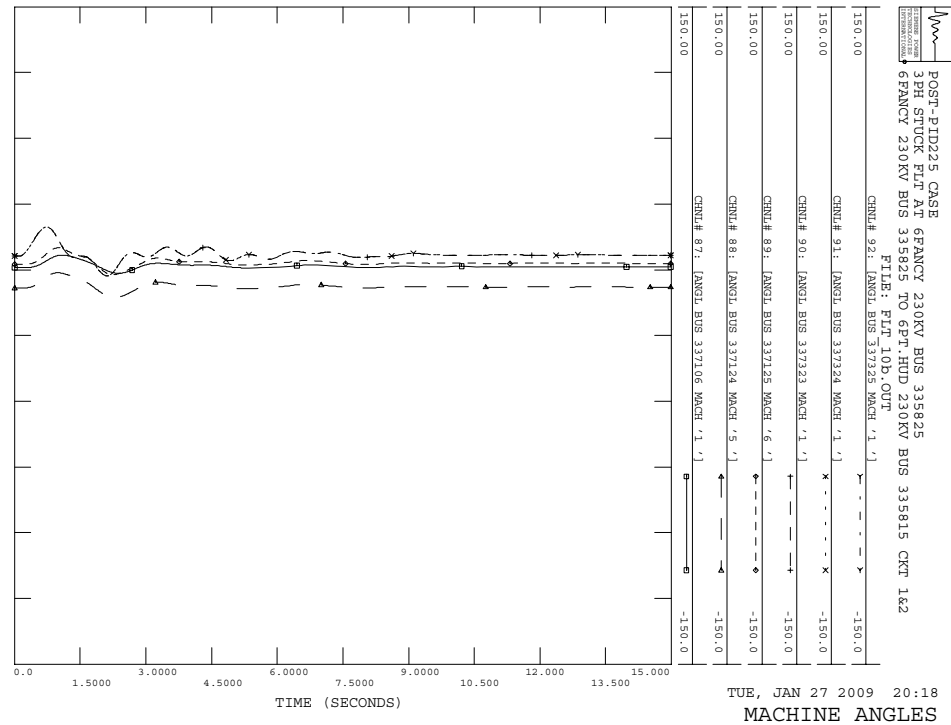
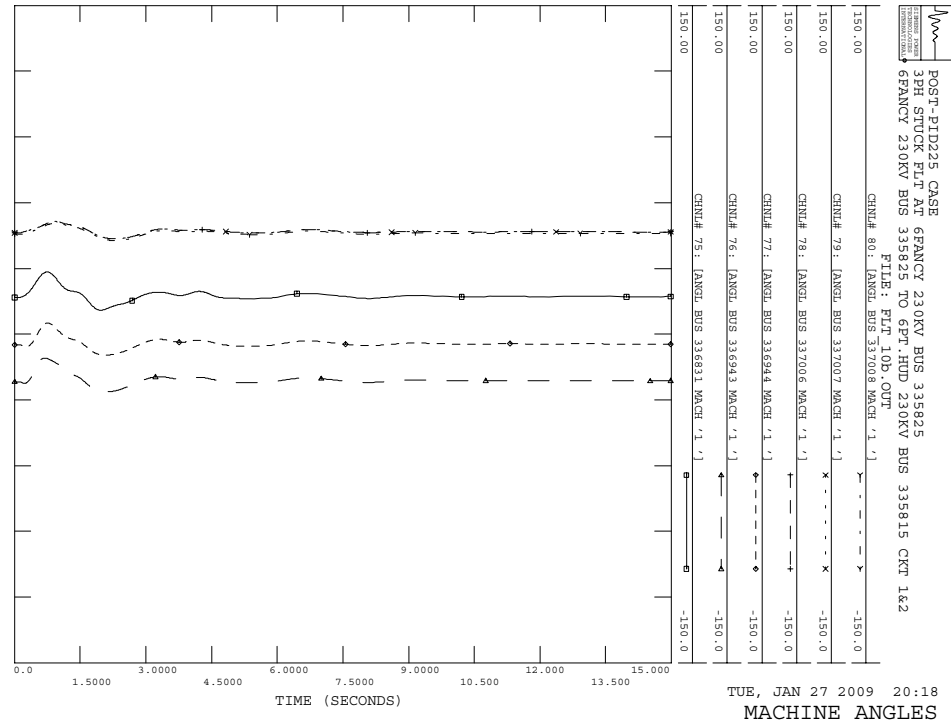
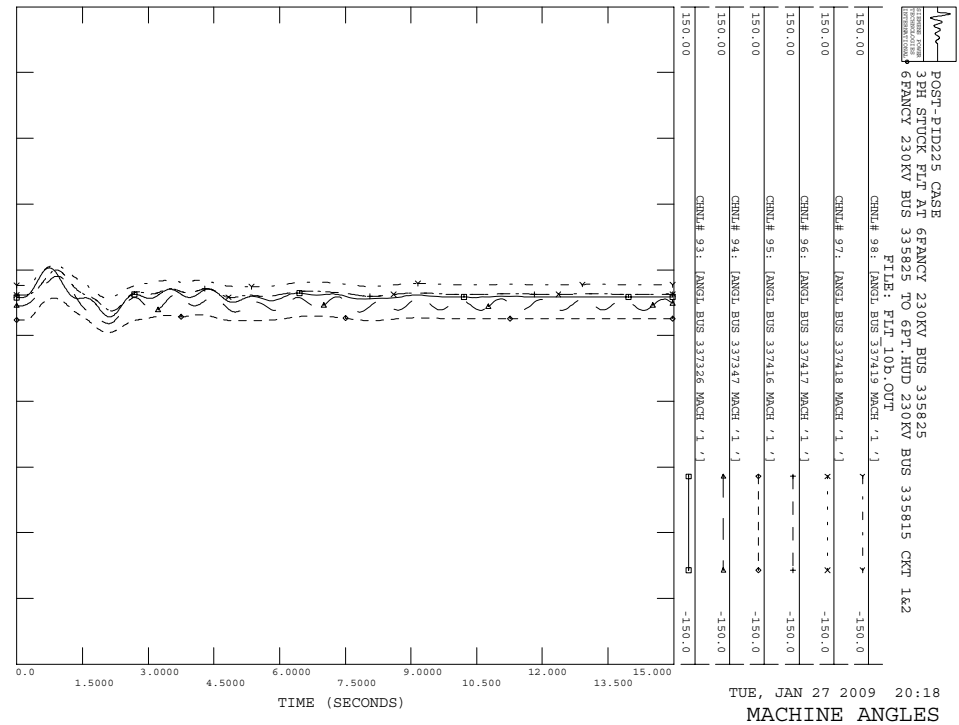
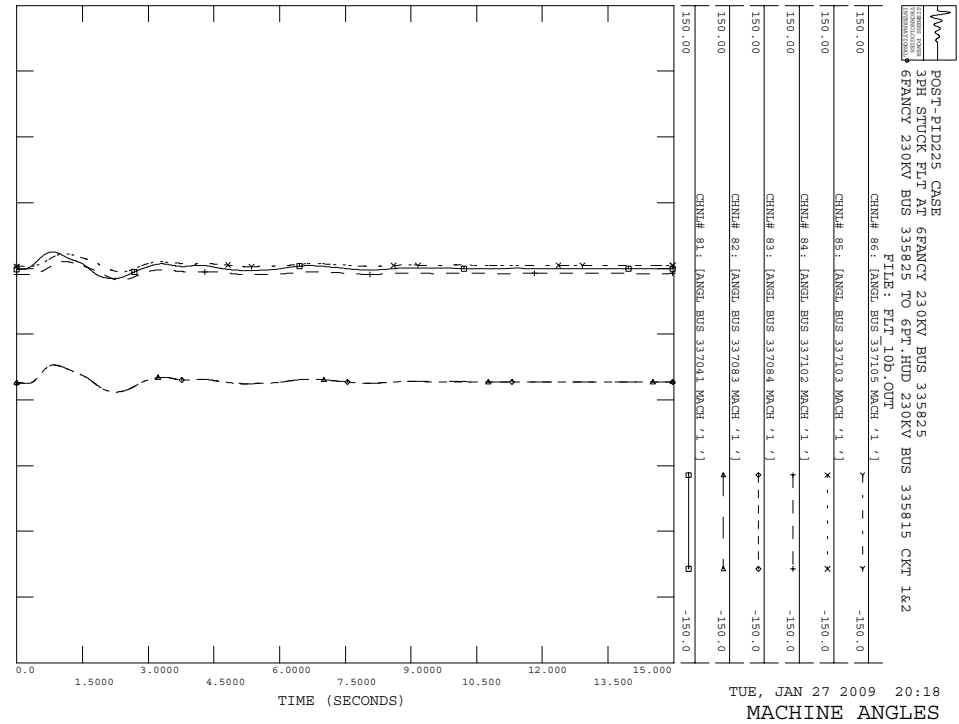


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

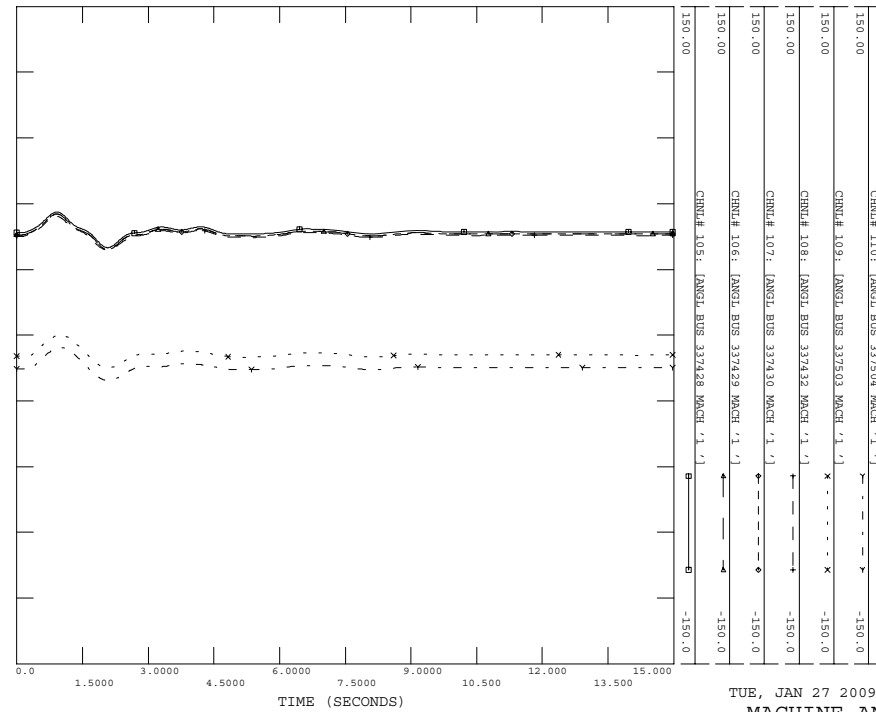


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

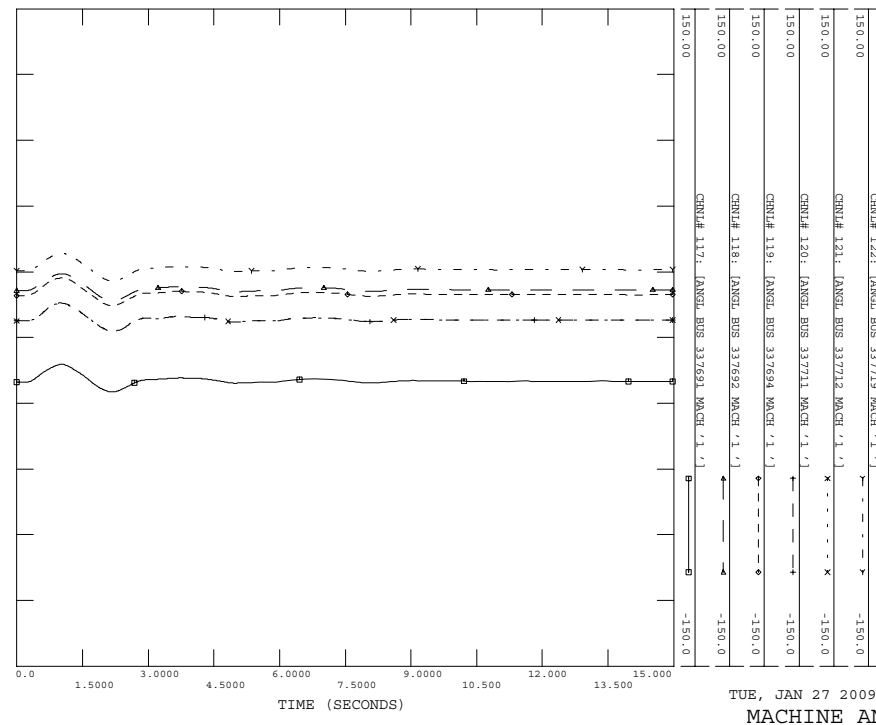




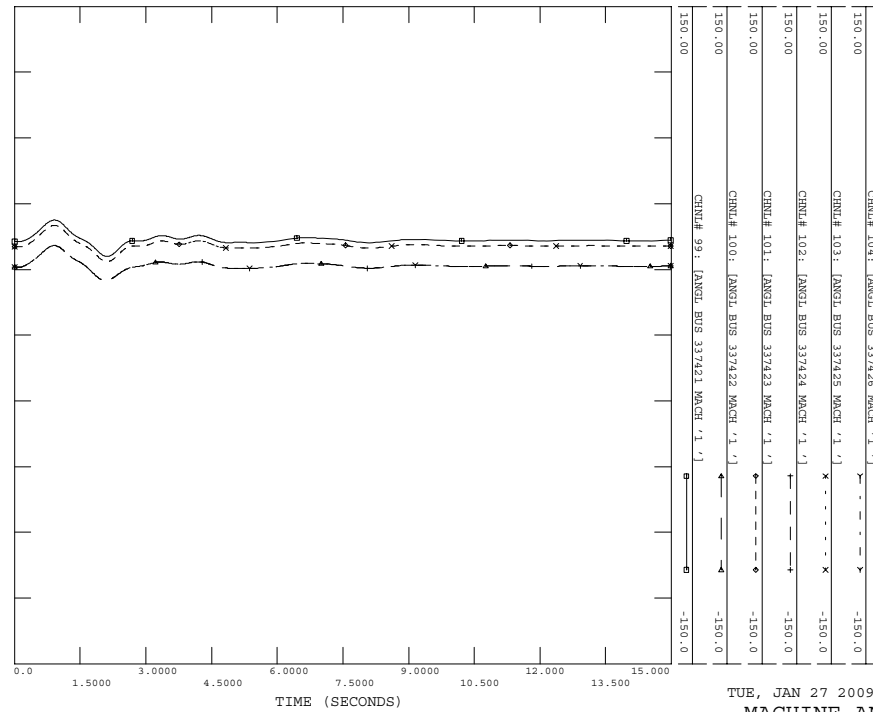
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



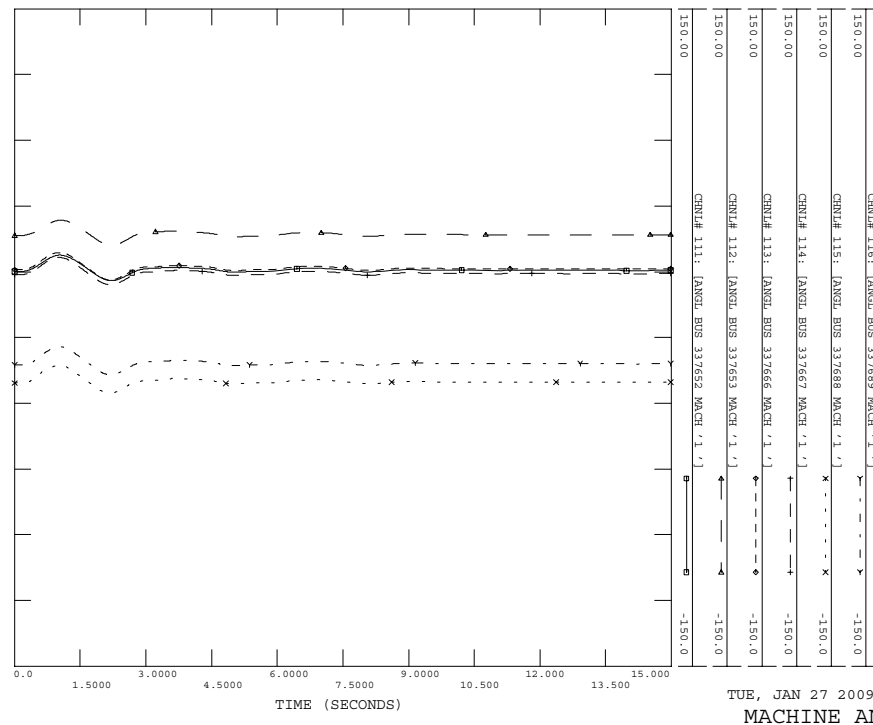
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



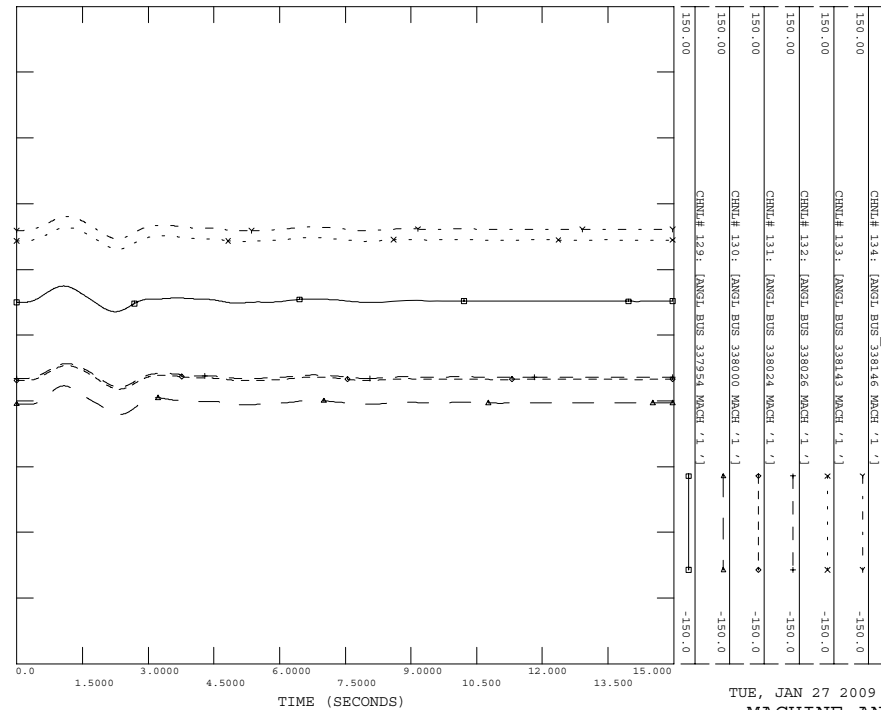
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



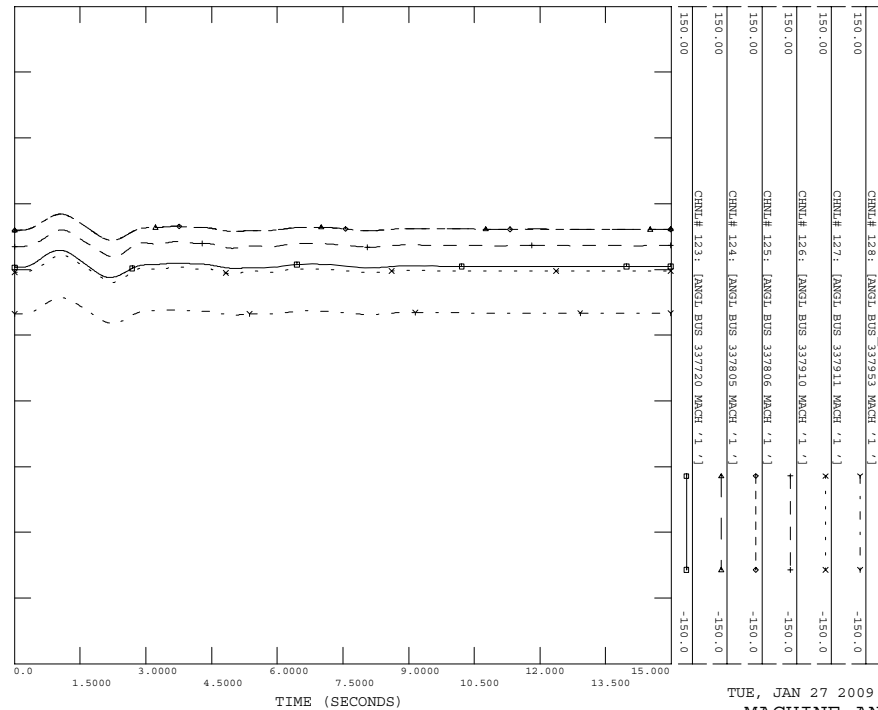
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



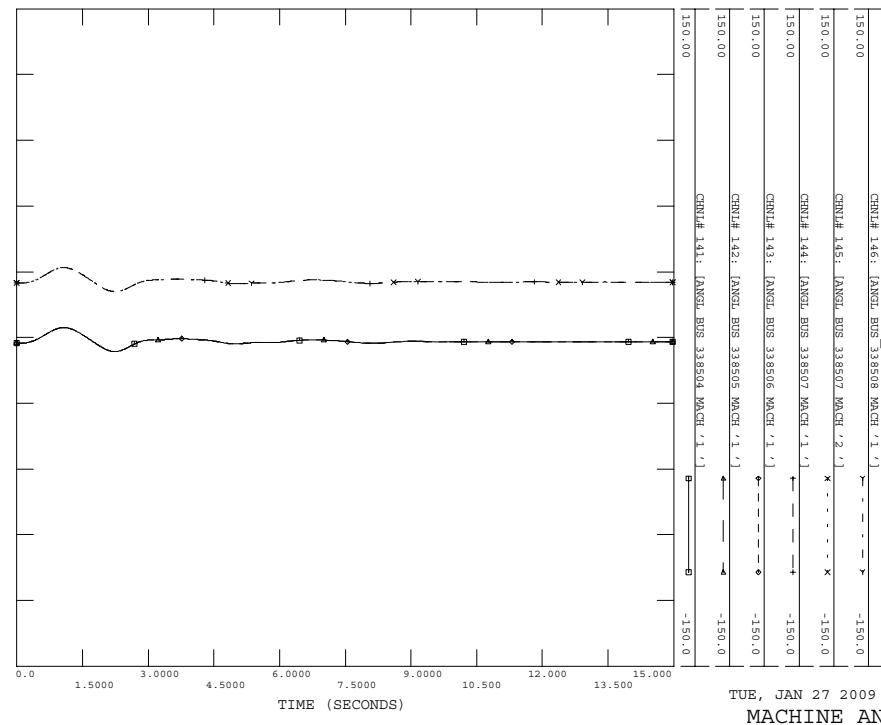
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



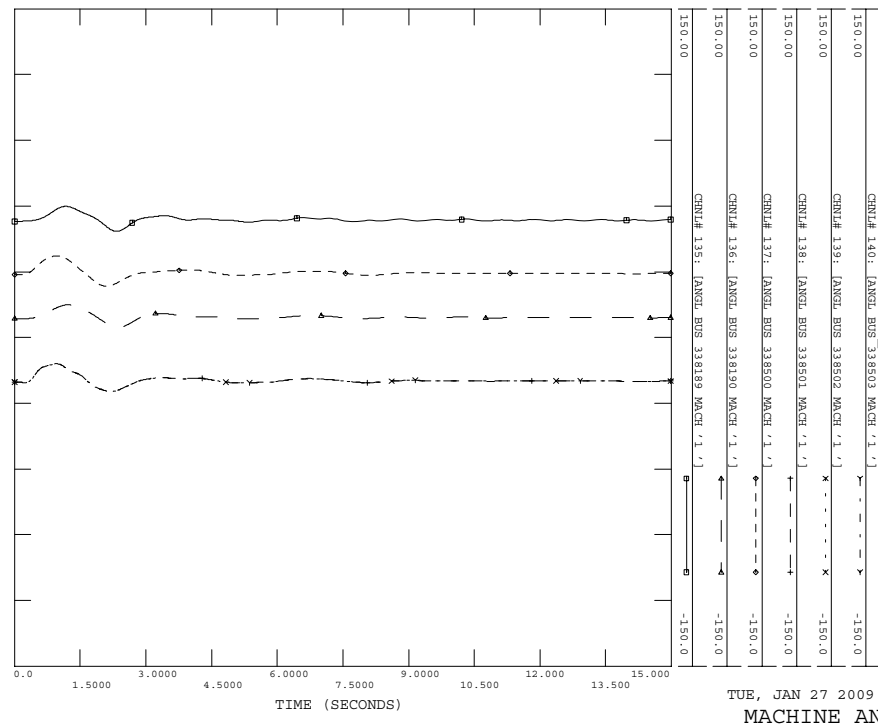
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



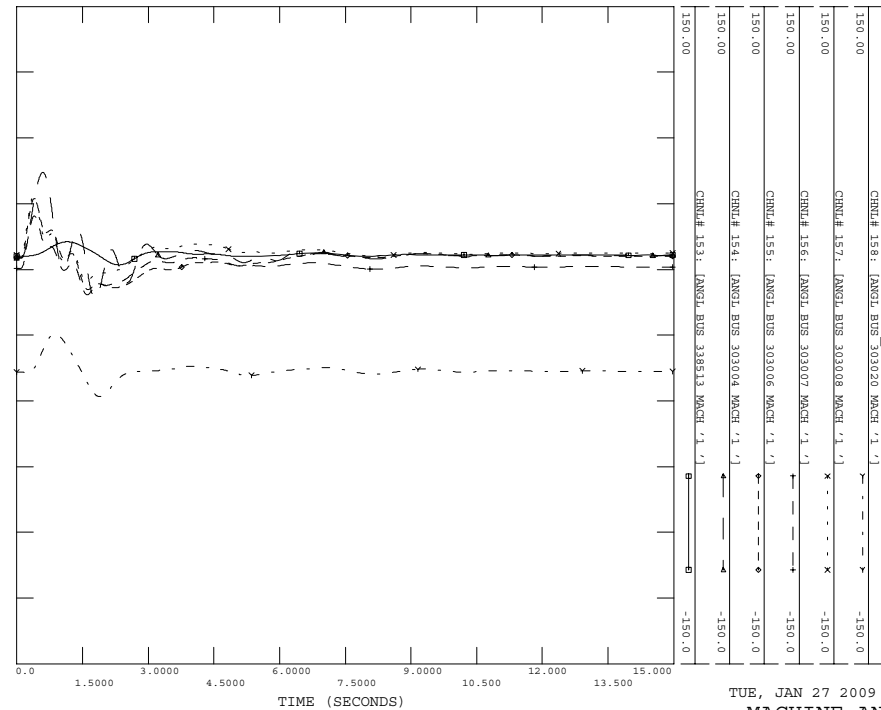
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



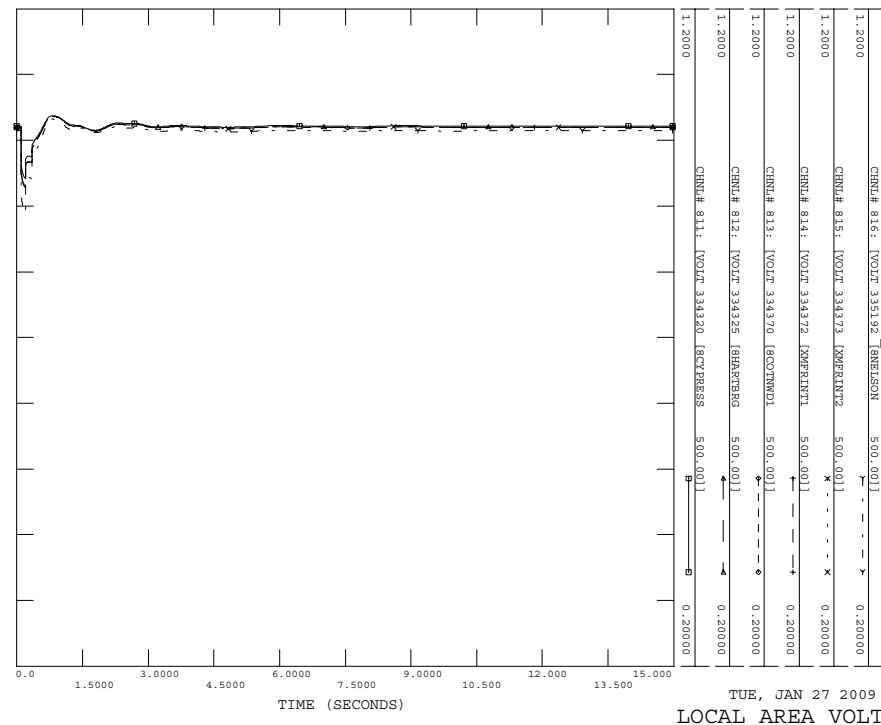
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



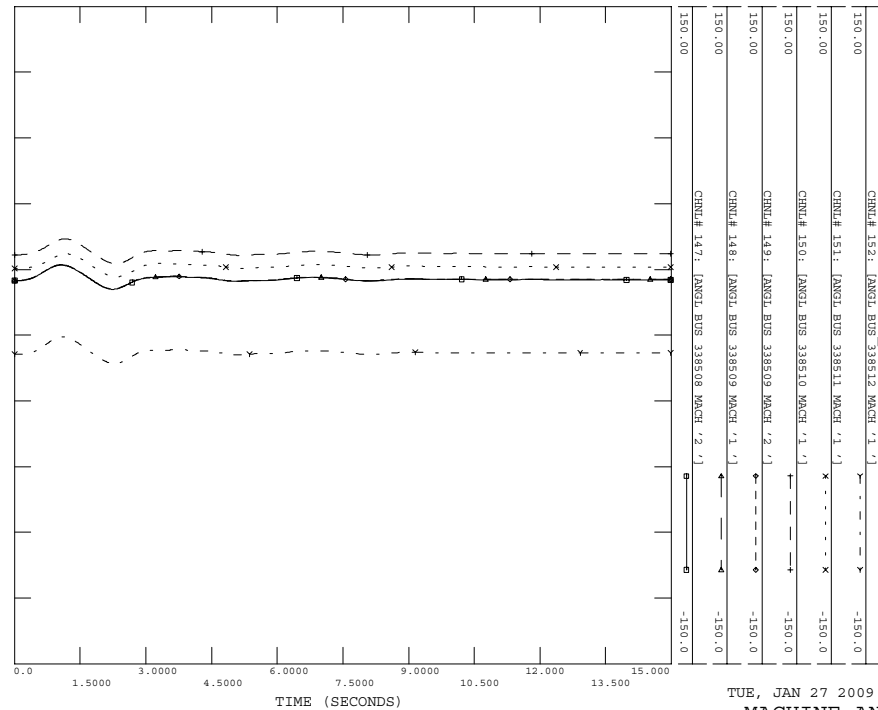
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



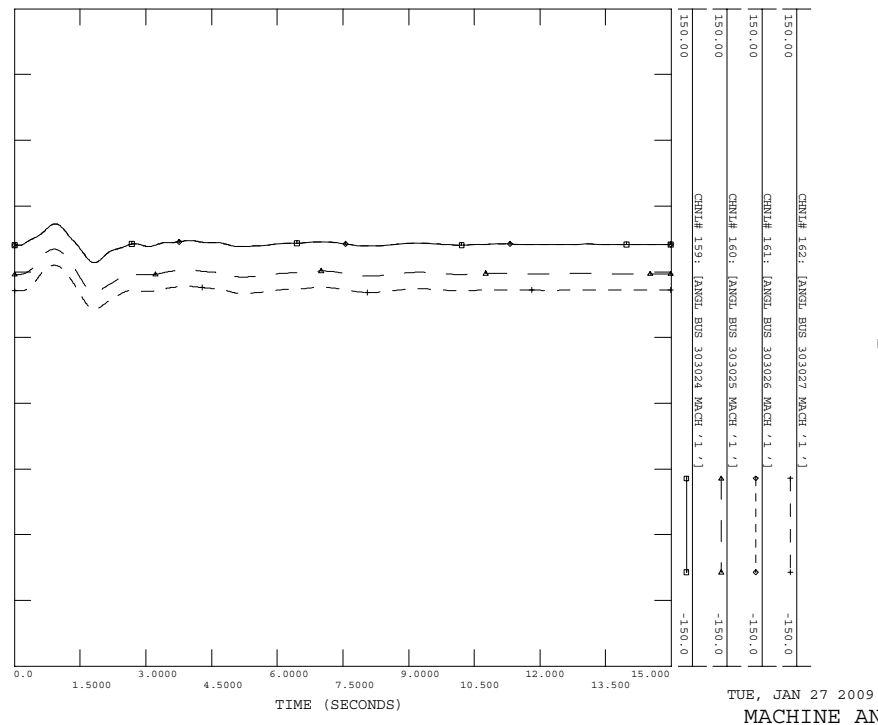
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

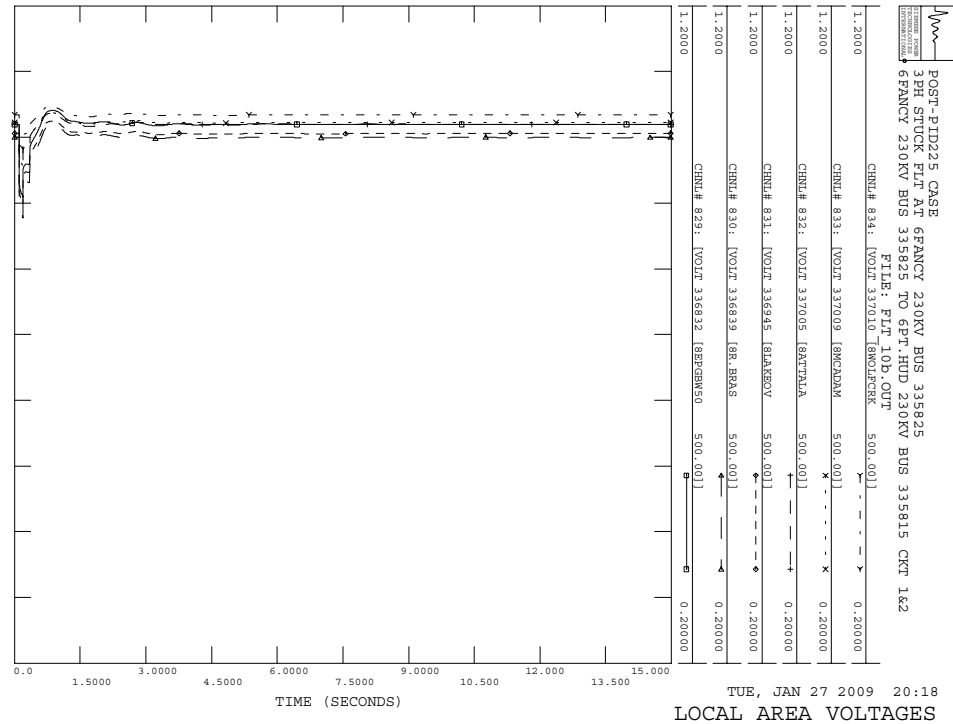
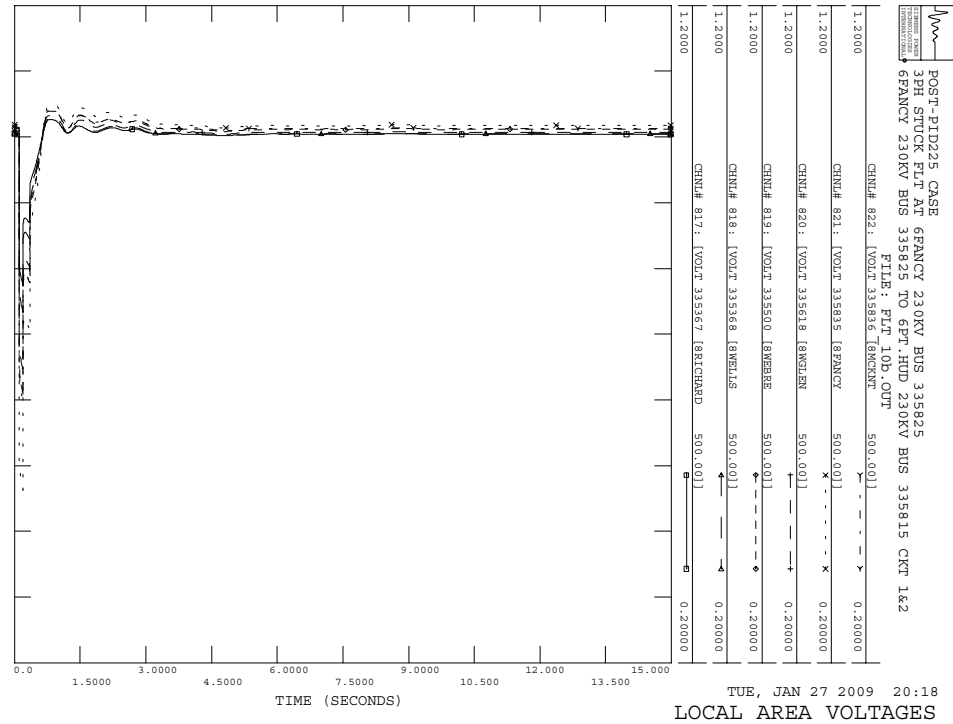
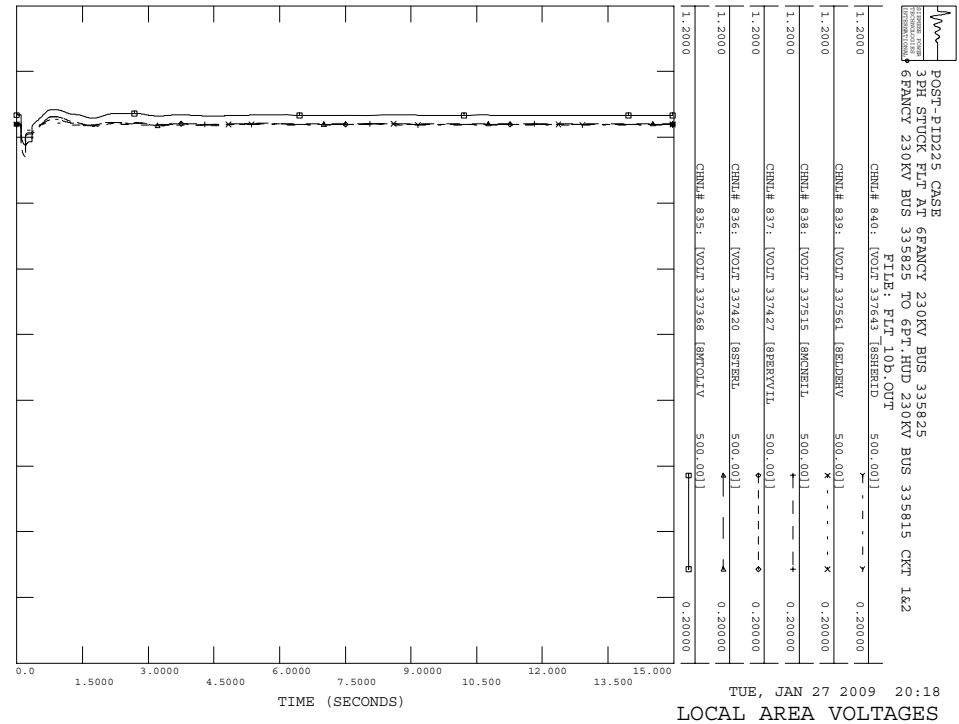
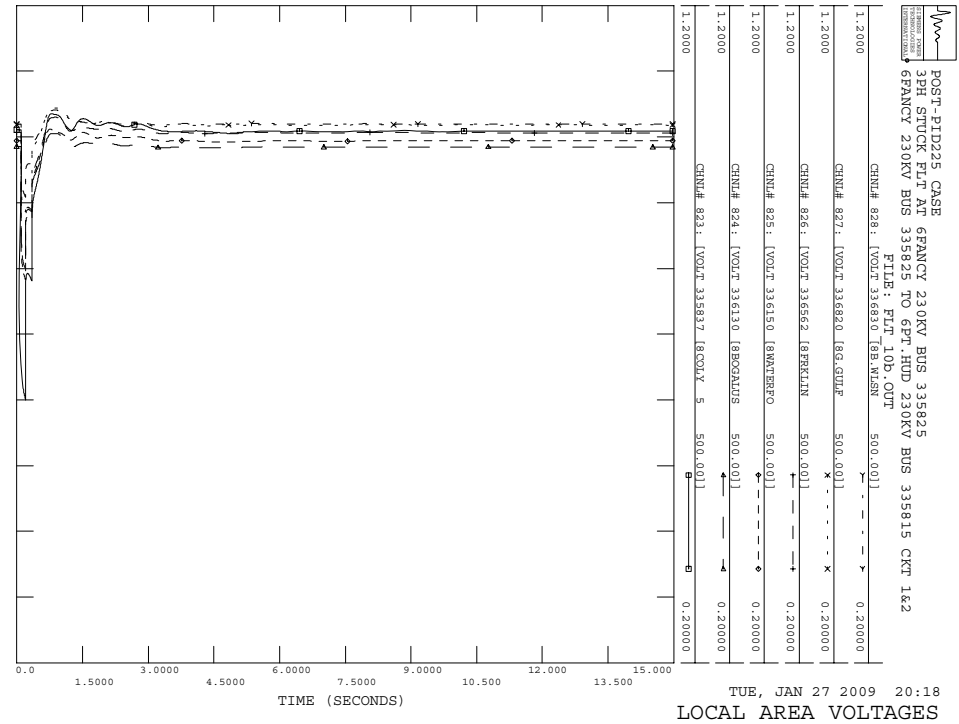


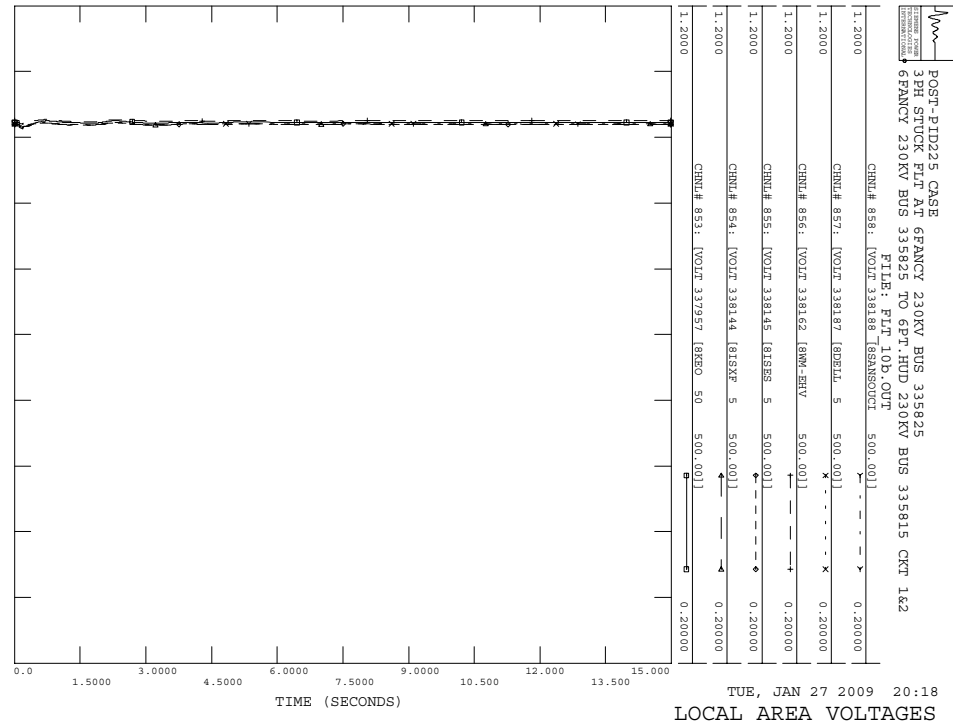
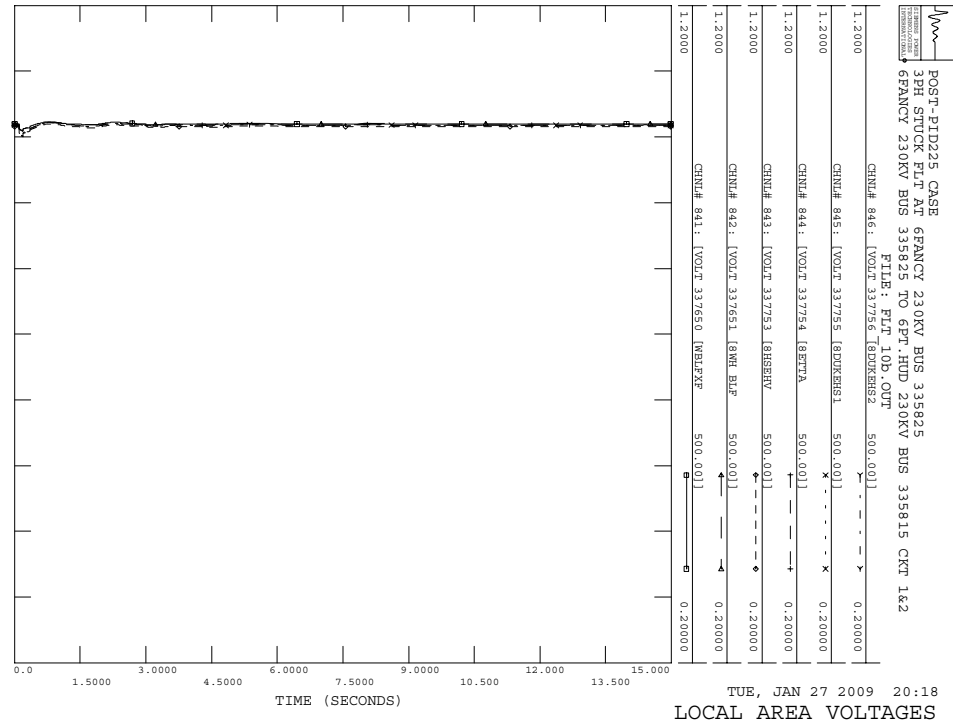
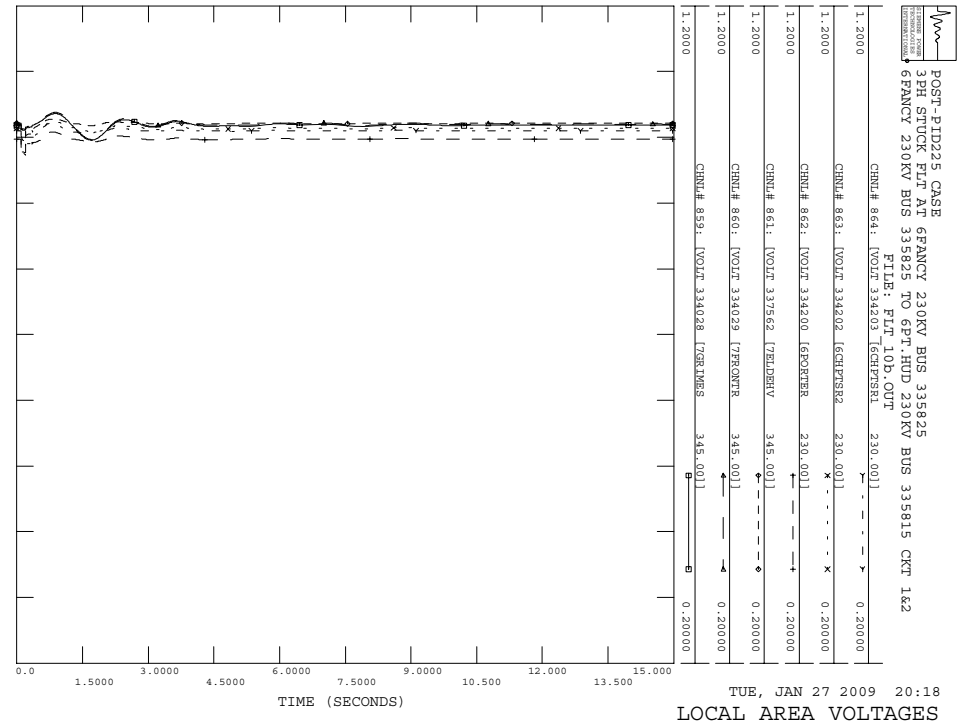
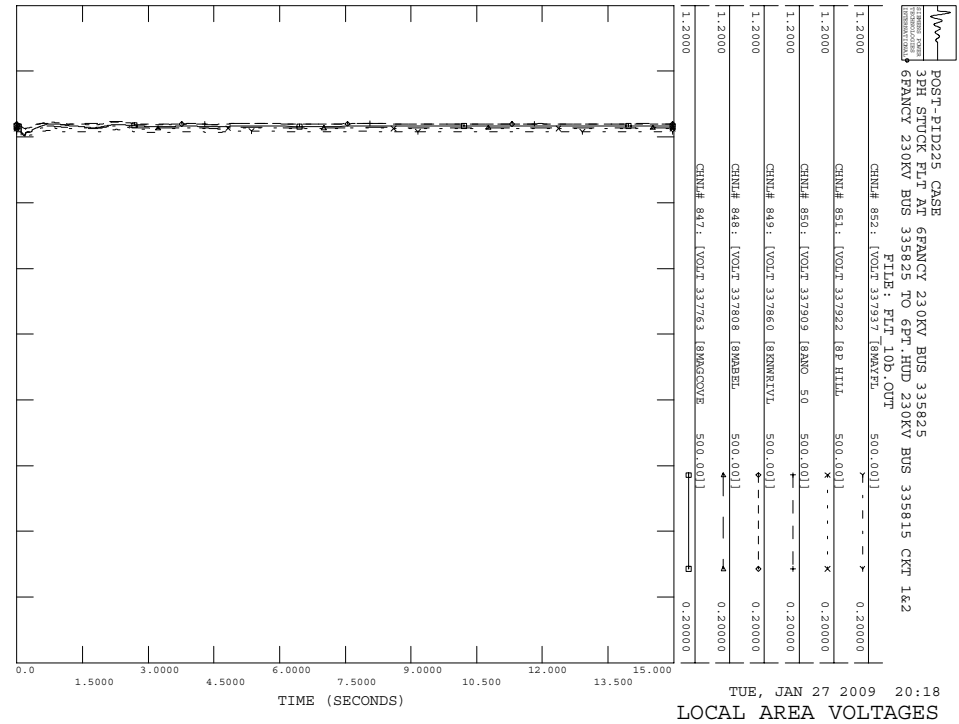
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

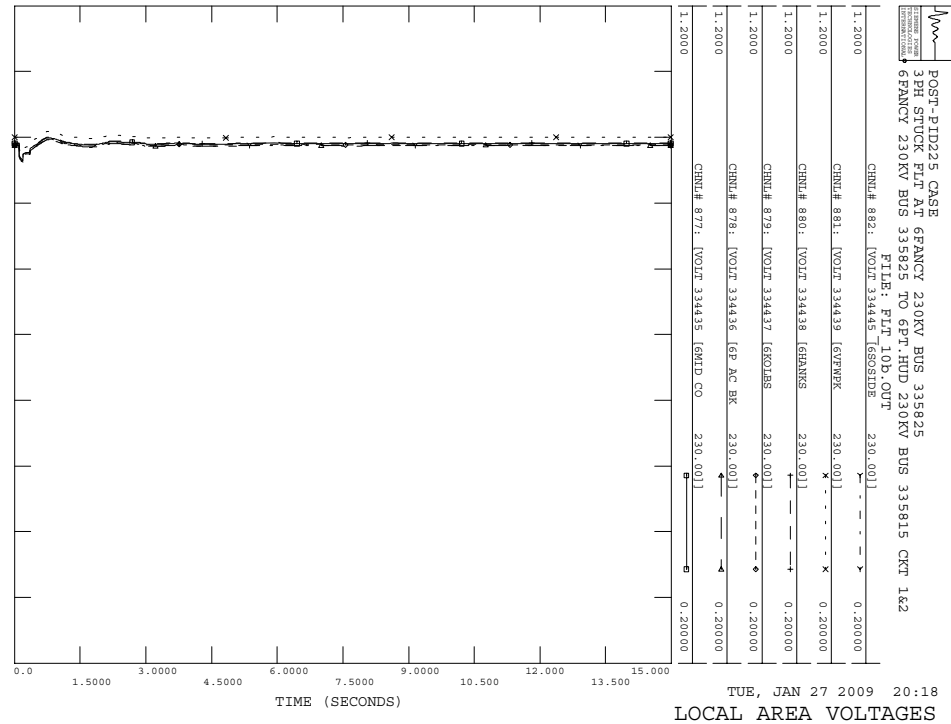
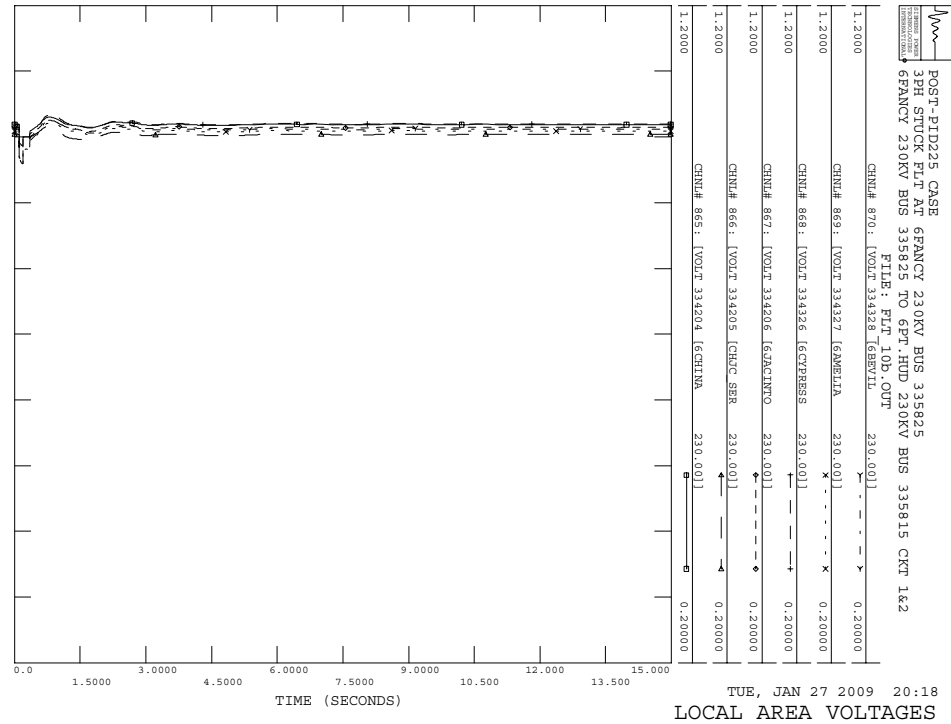
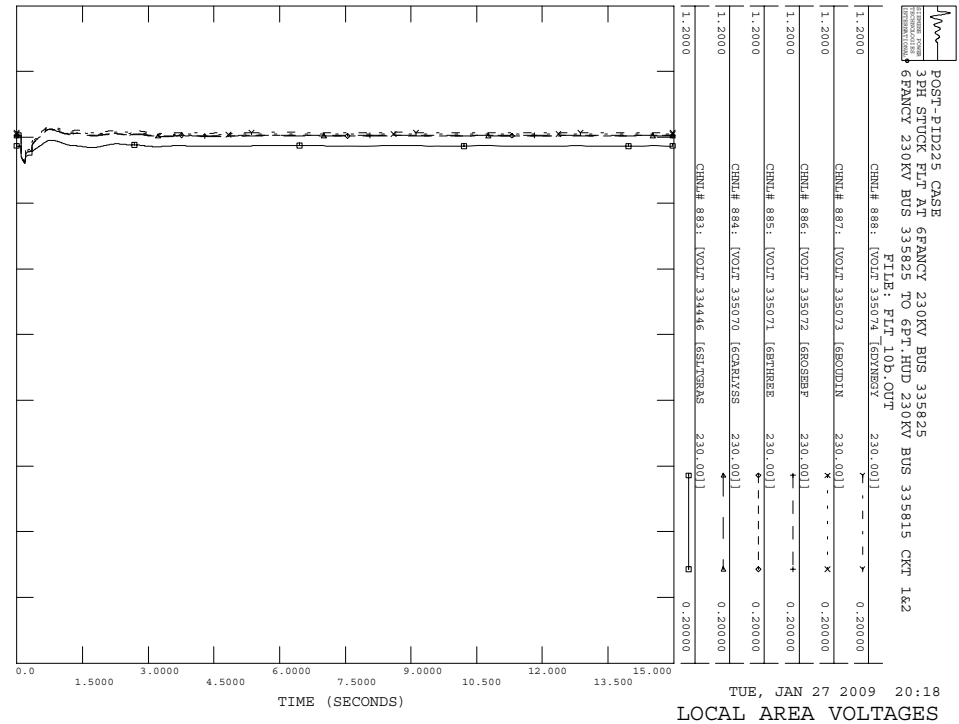
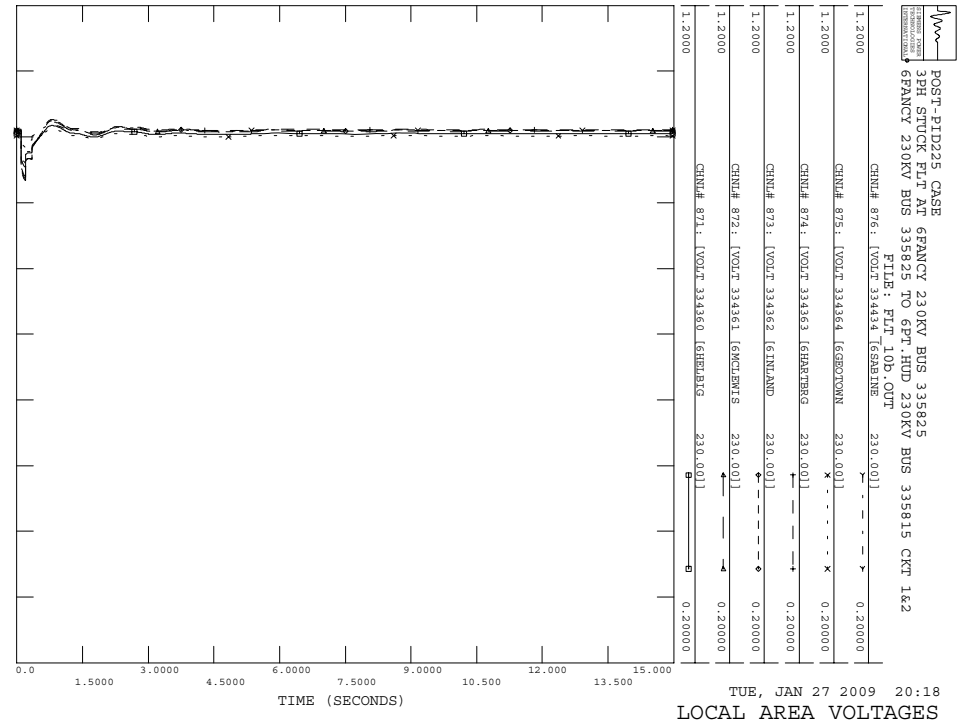


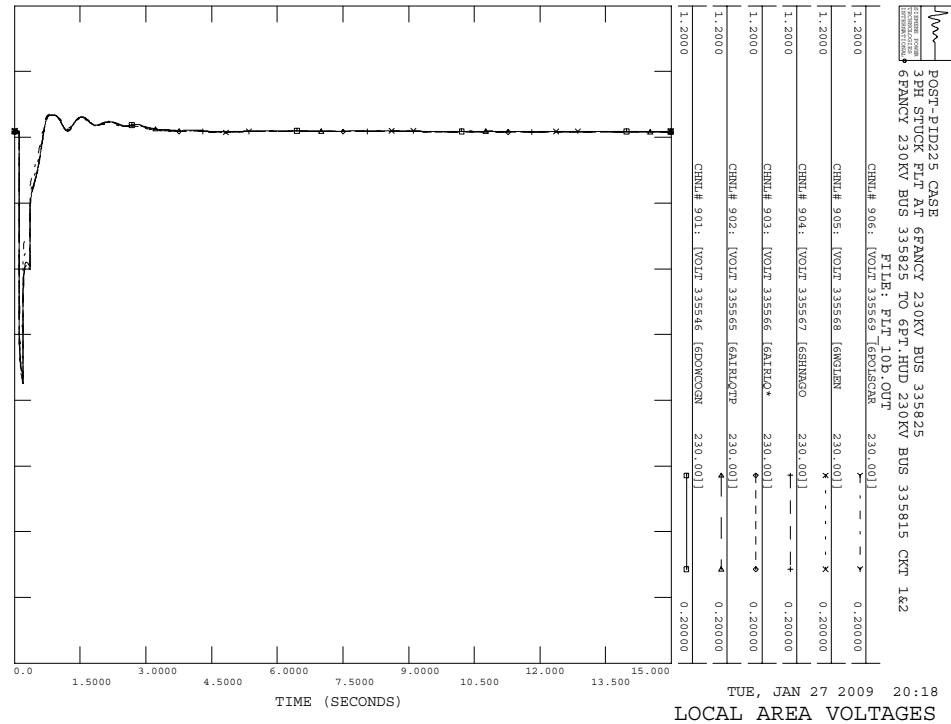
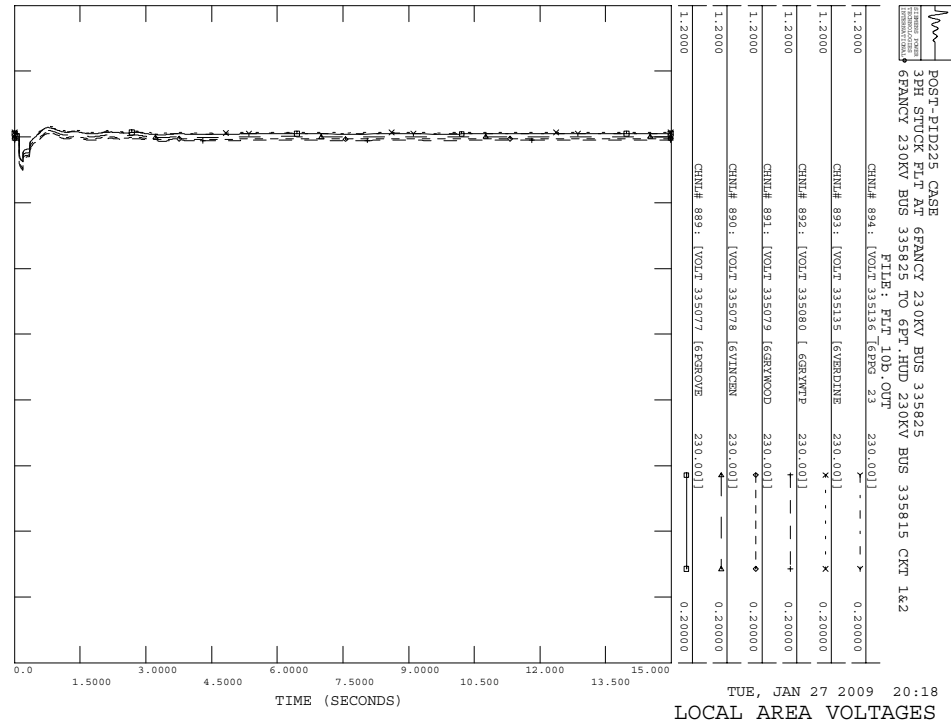
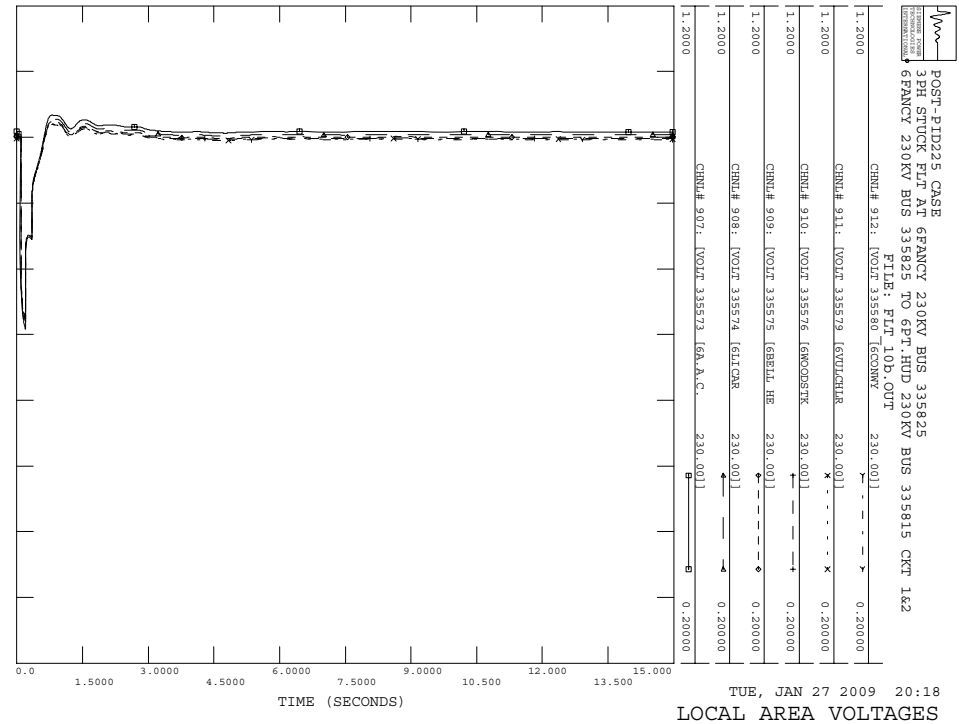
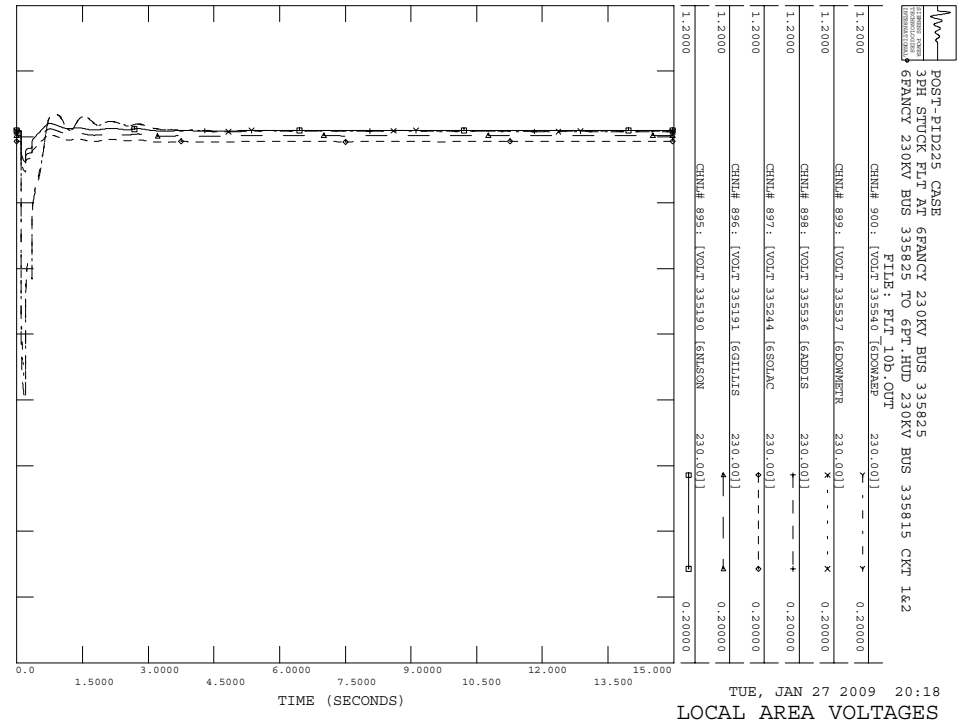
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



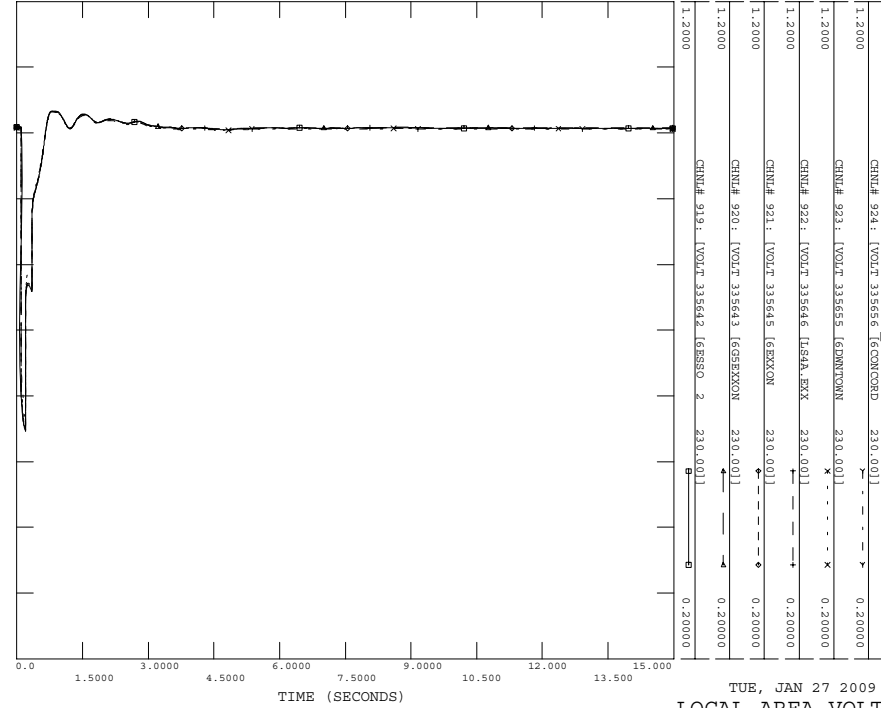




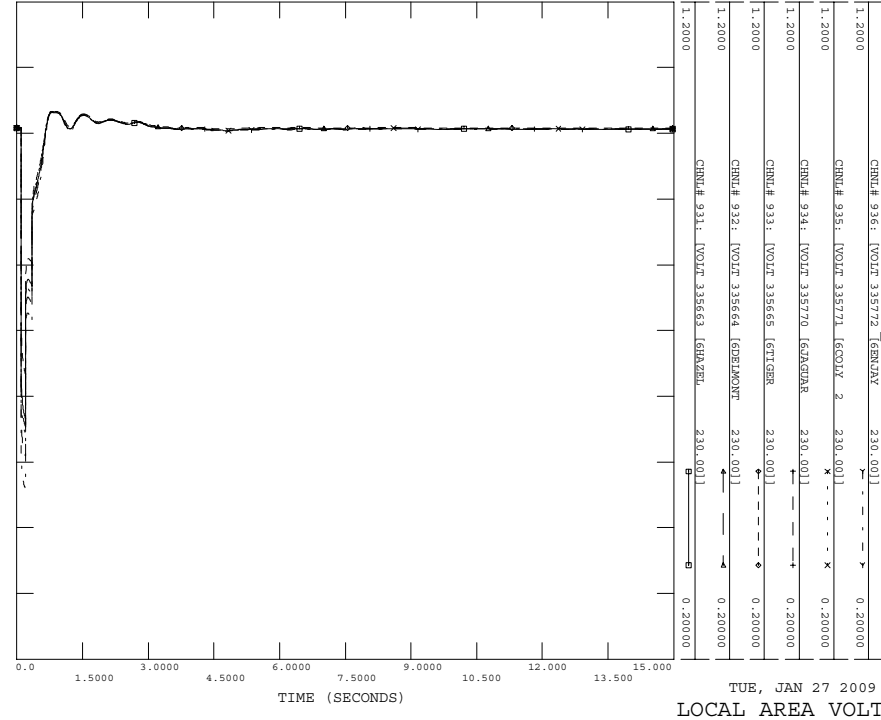




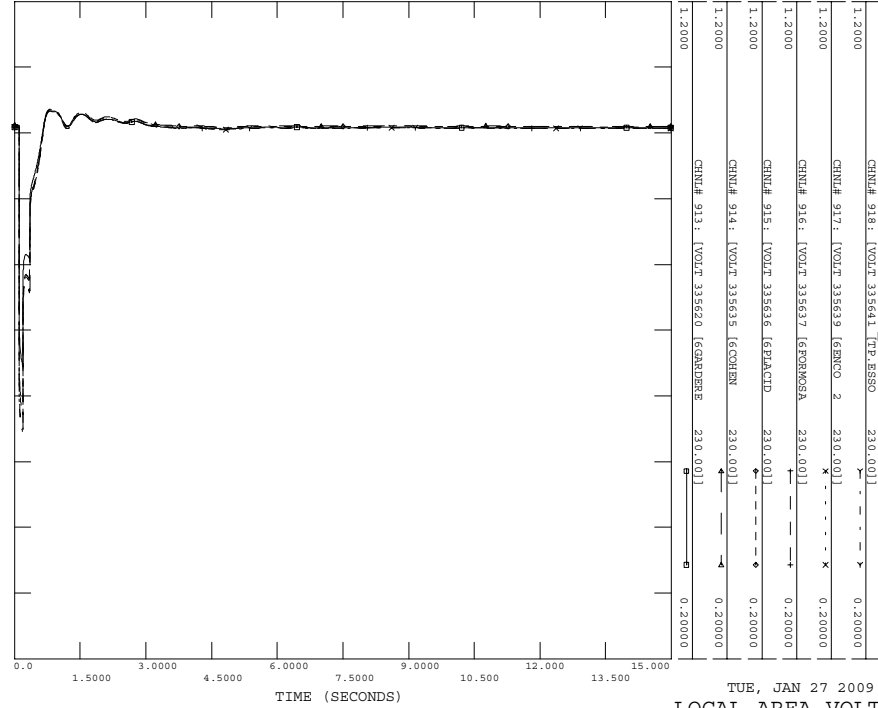
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



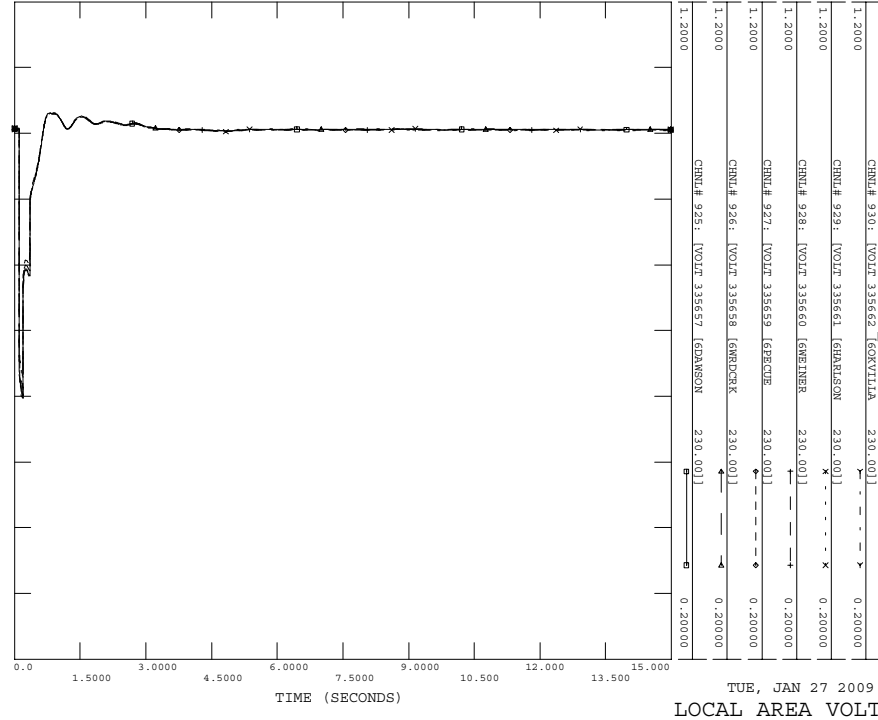
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



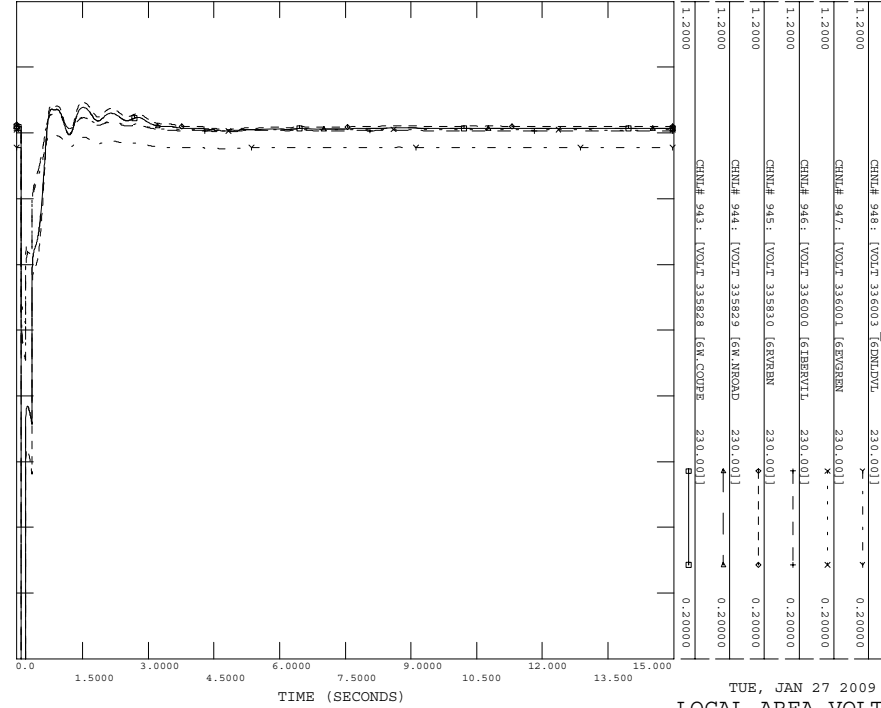
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



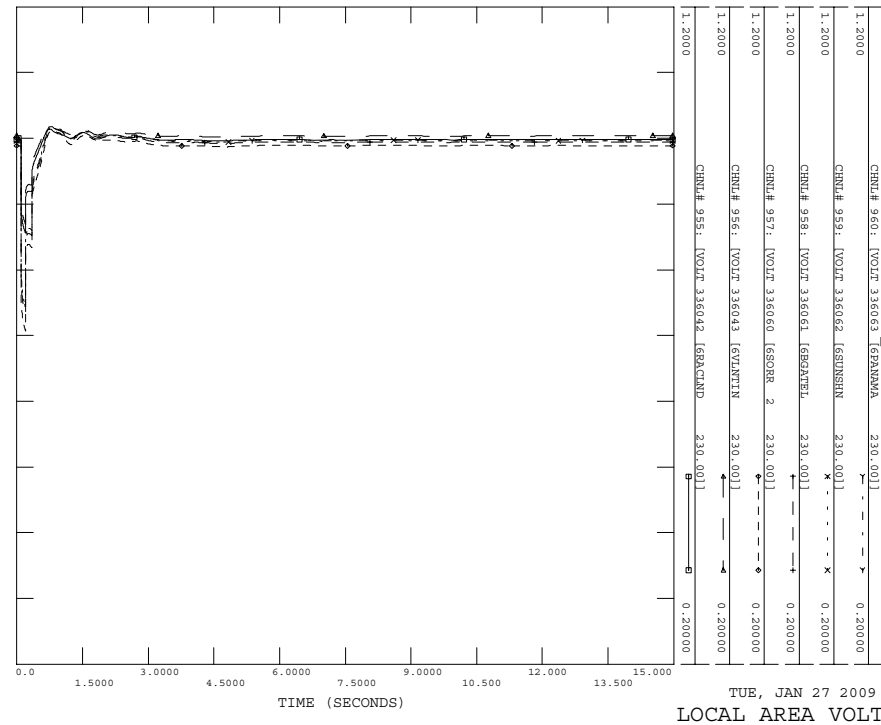
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



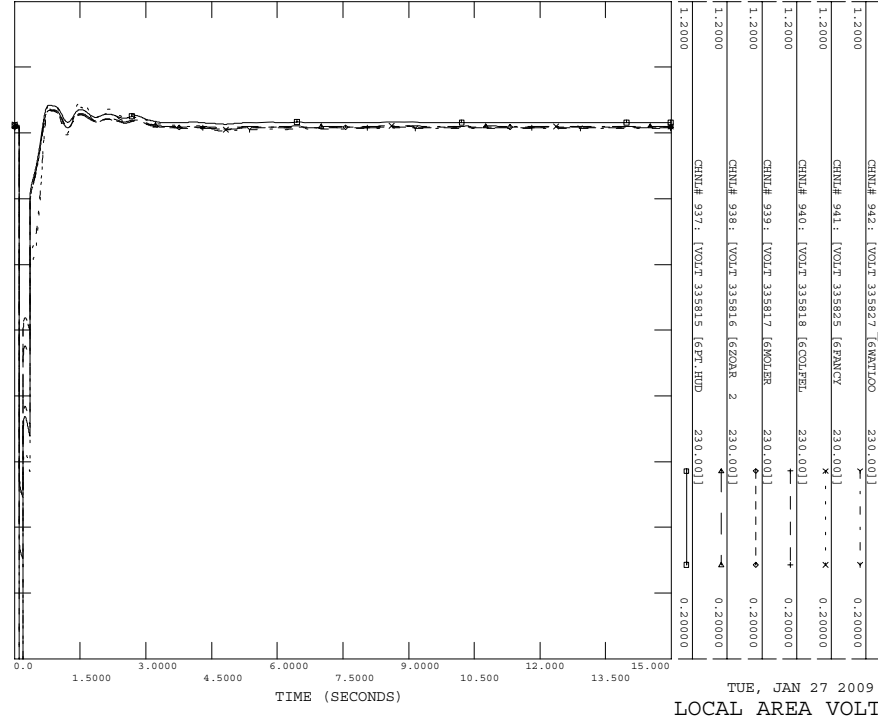
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT



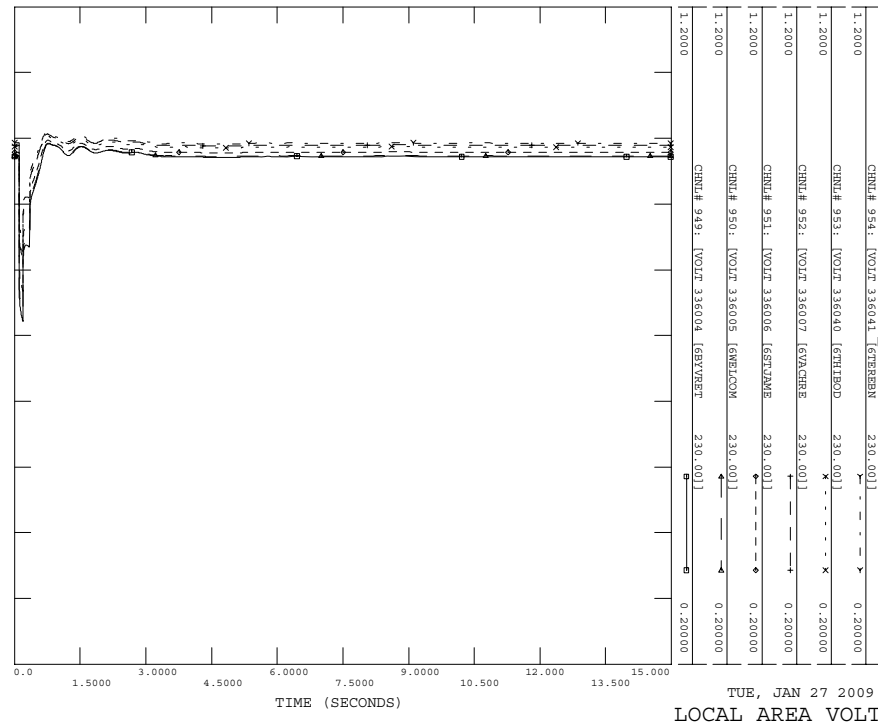
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

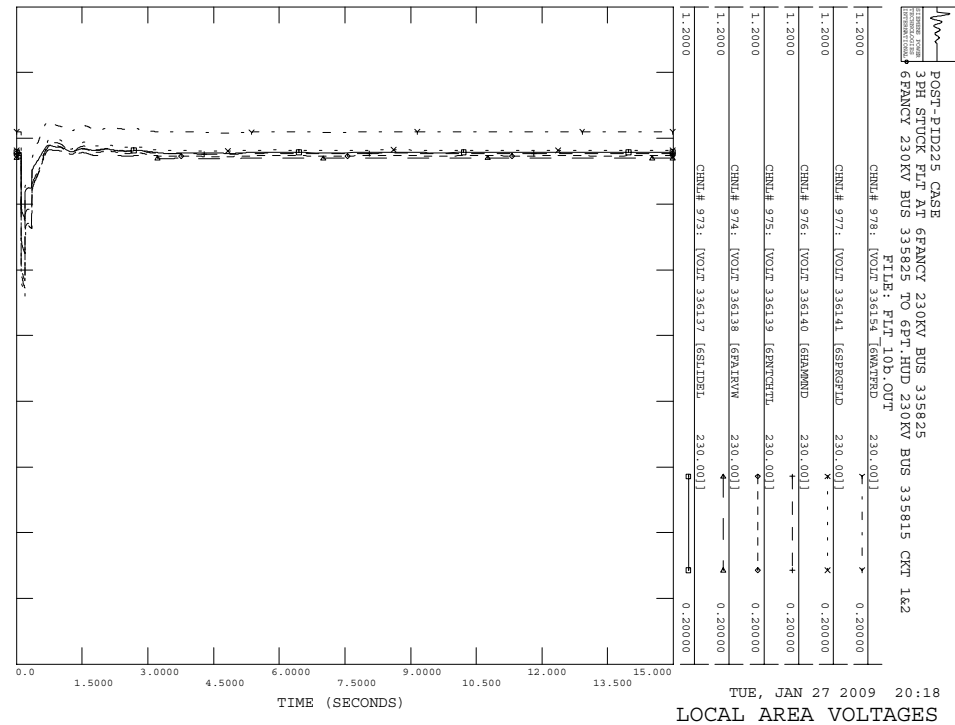
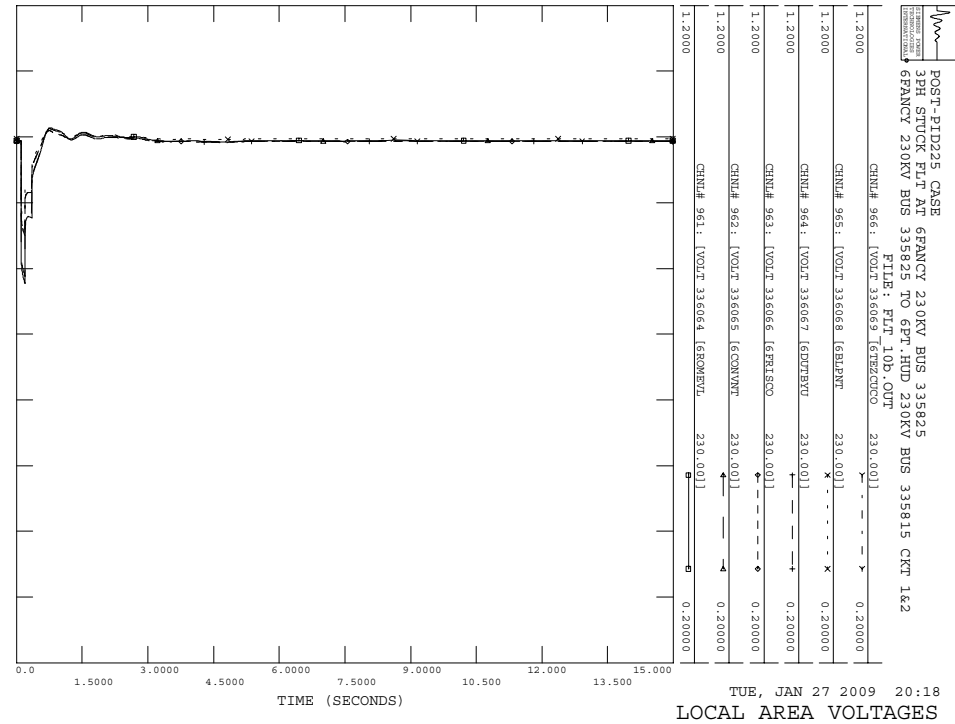
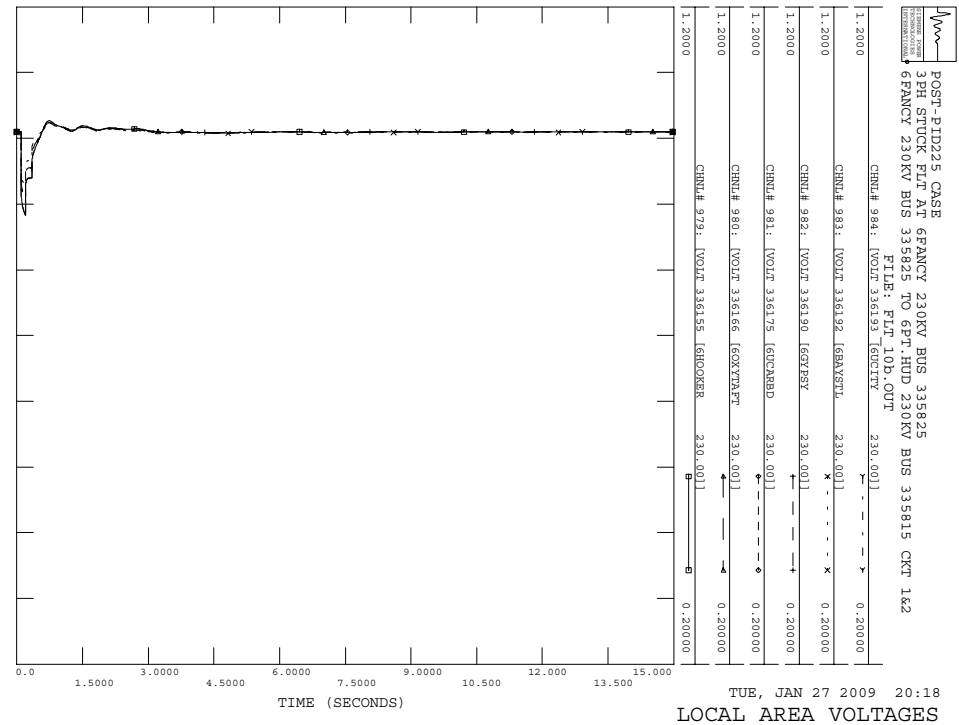
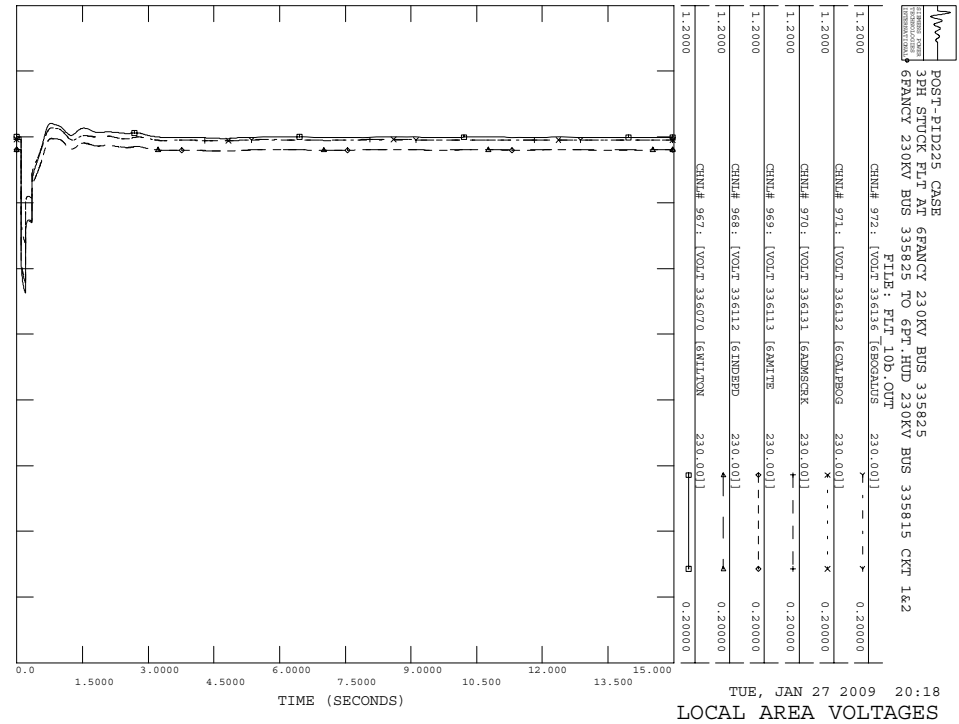


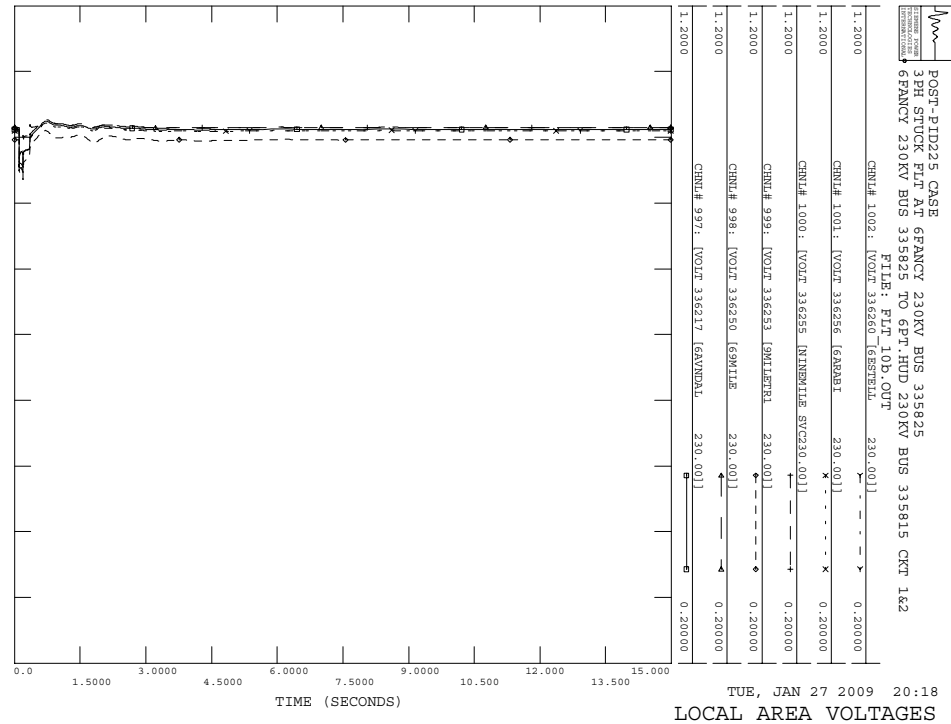
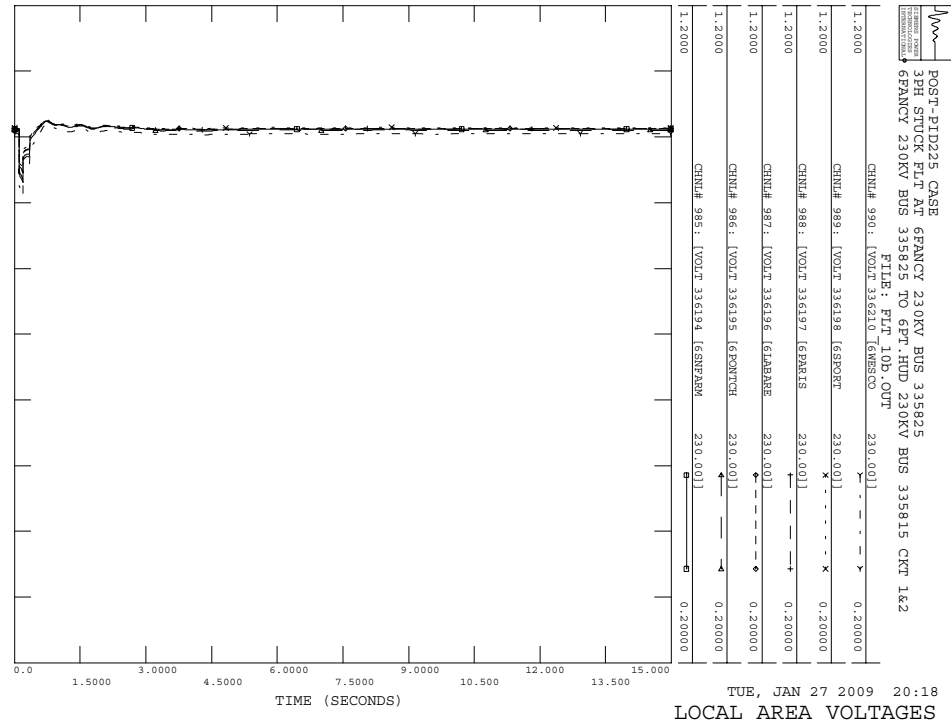
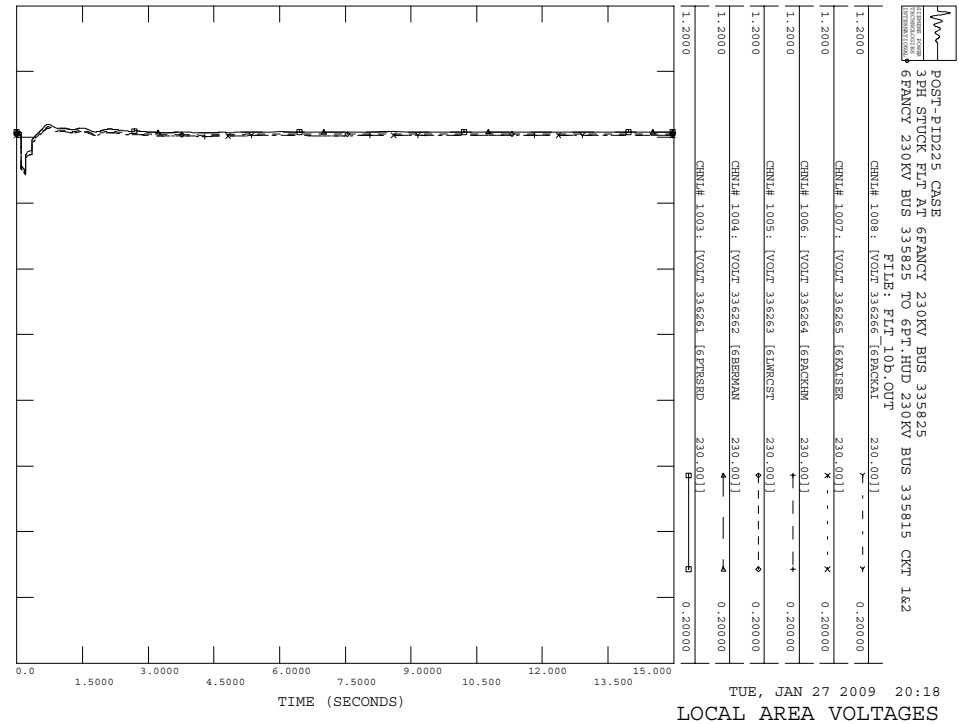
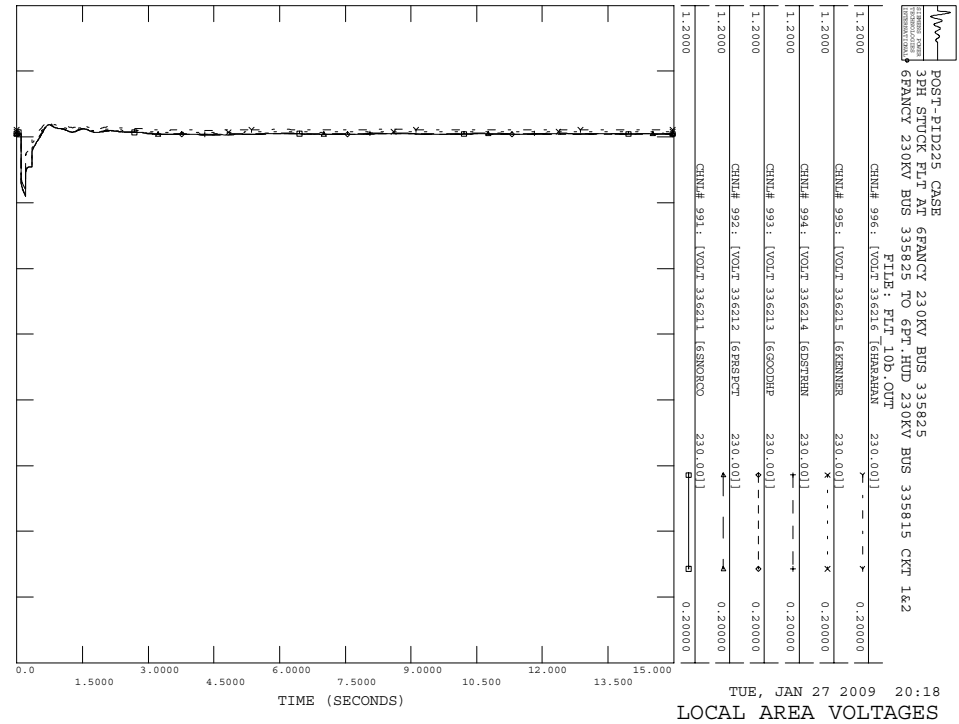
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

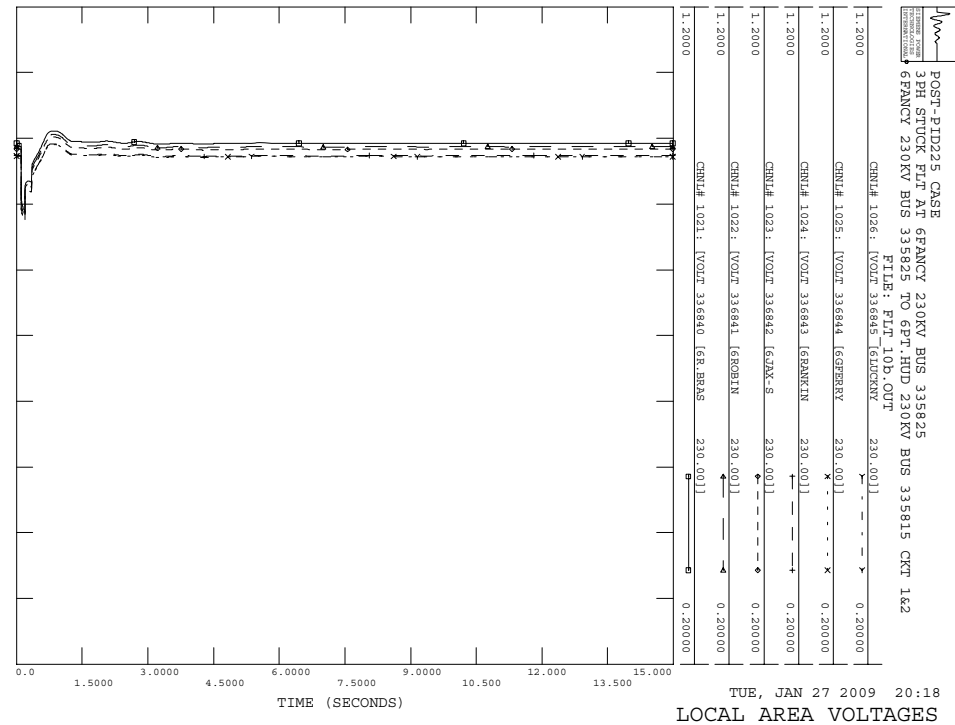
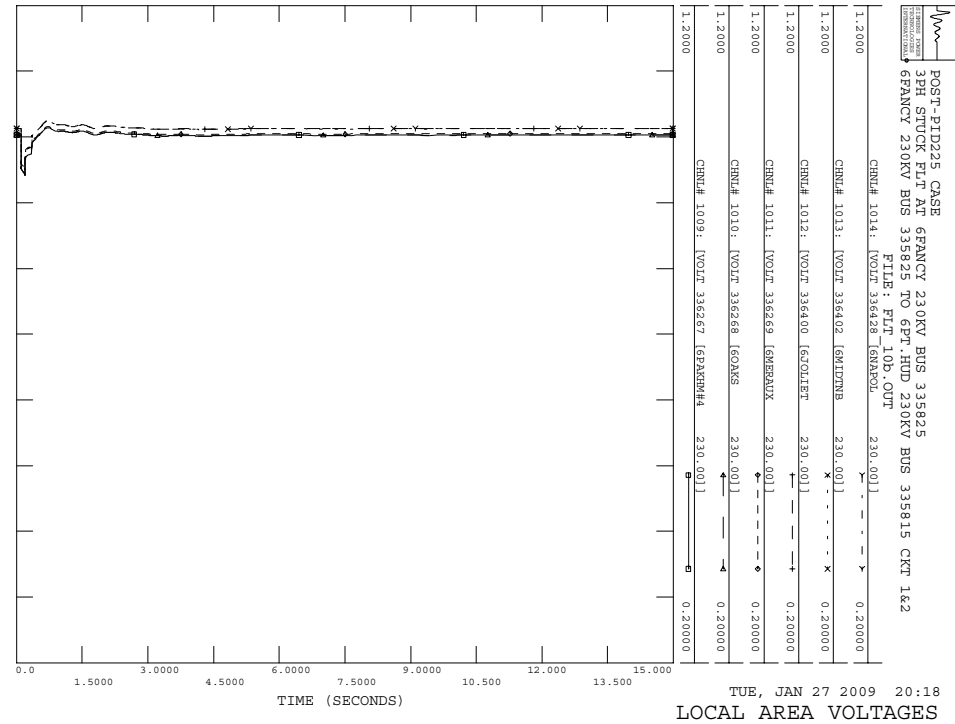
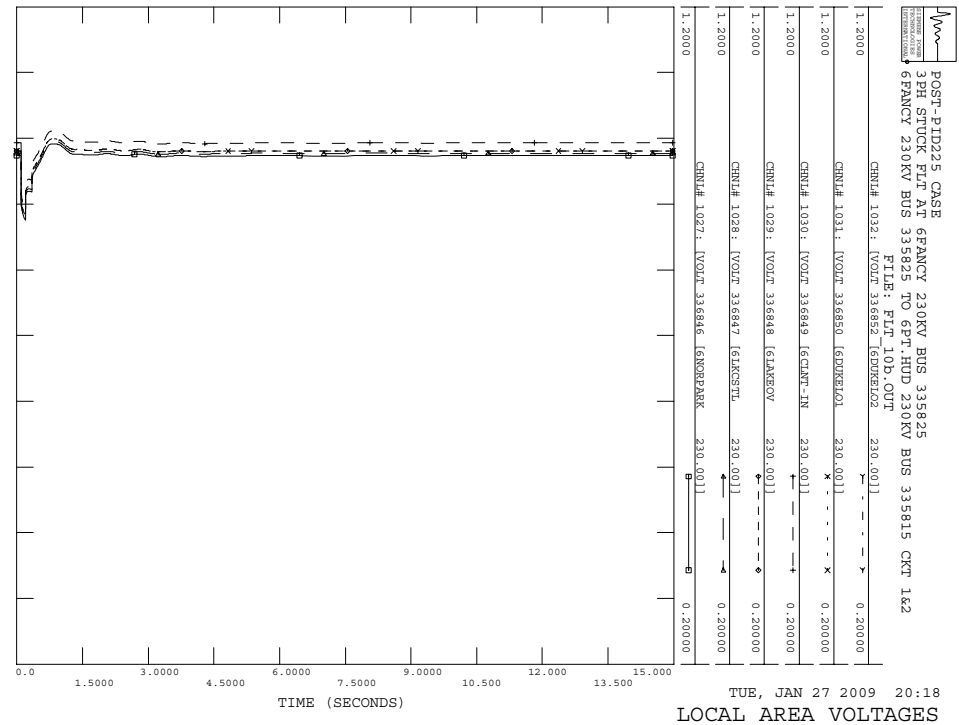
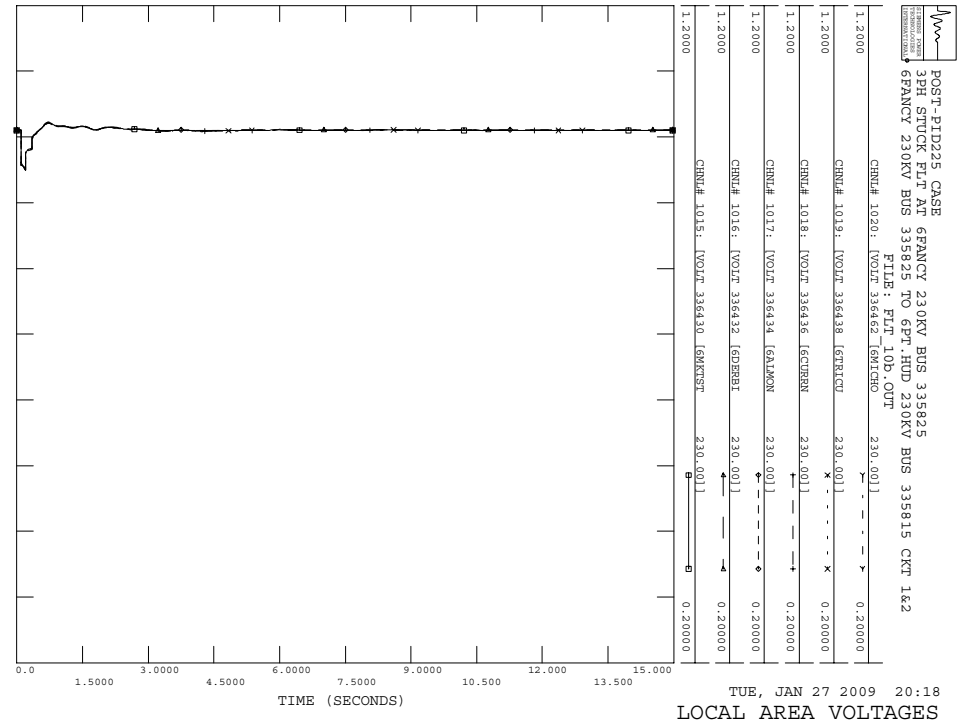


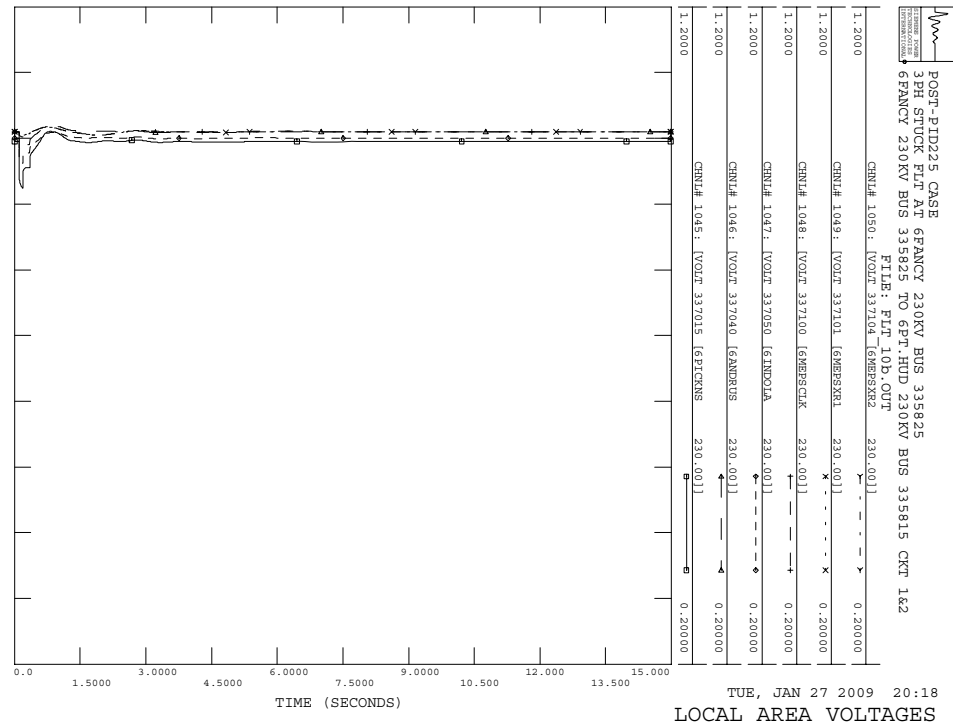
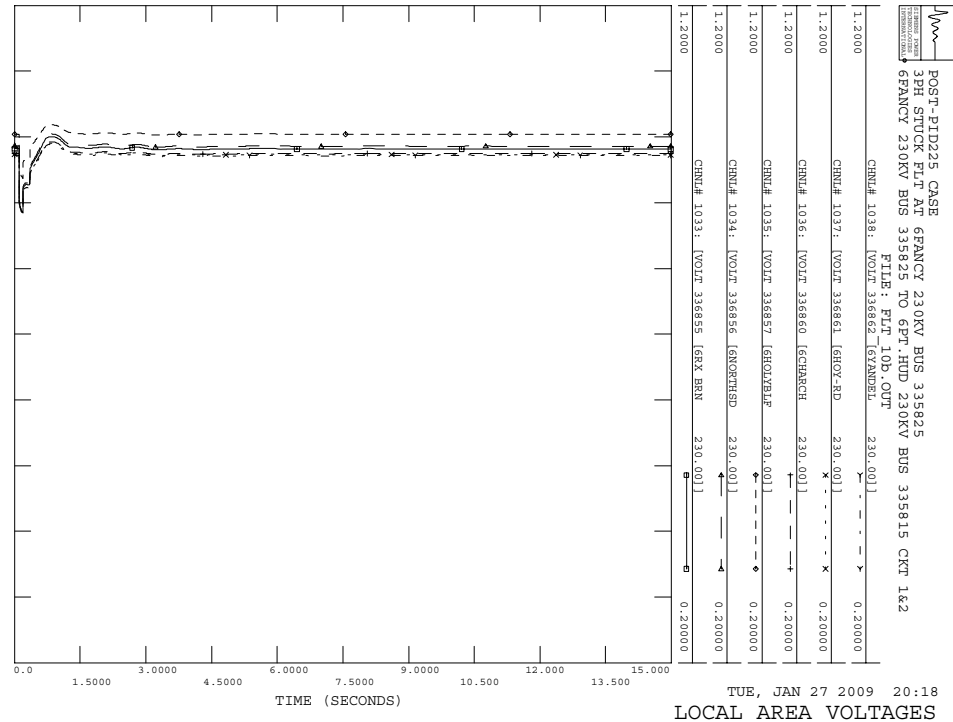
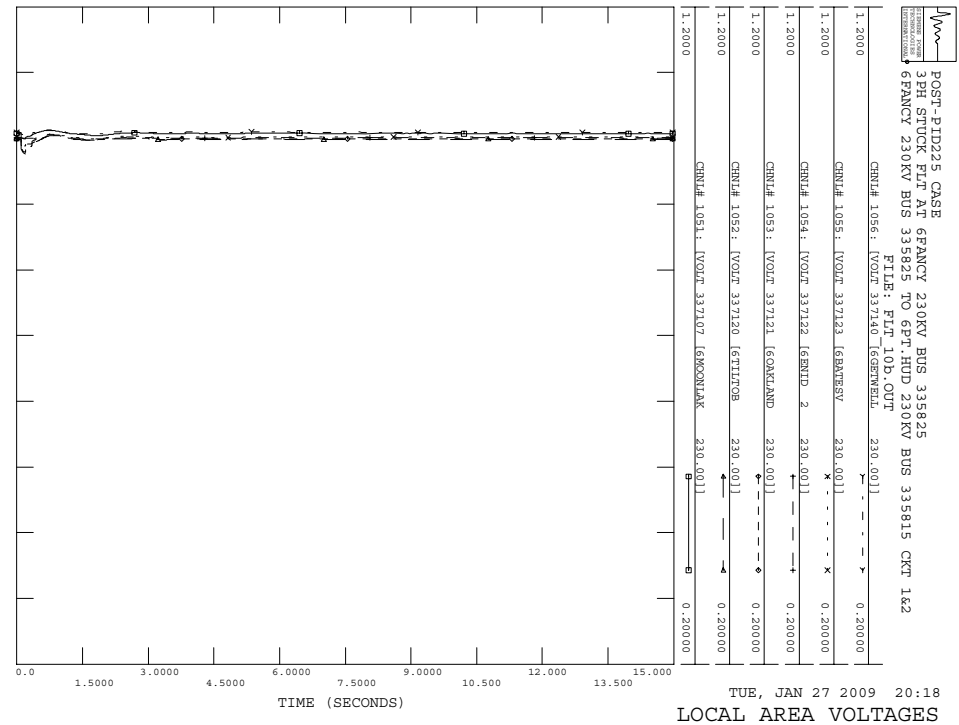
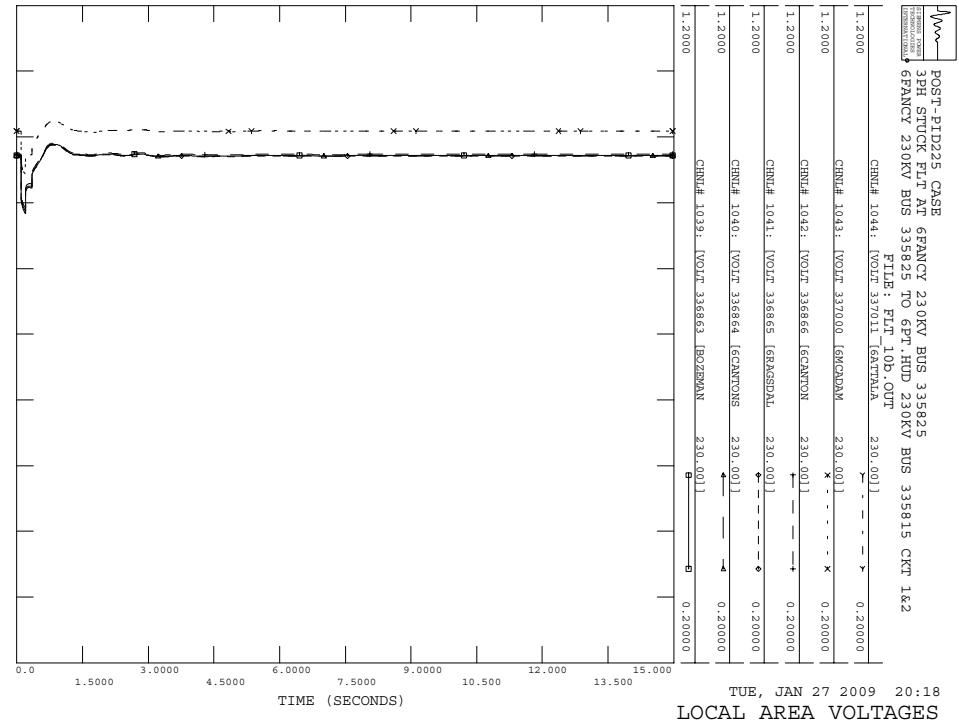
POST-PTD25 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6PT.HUD 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

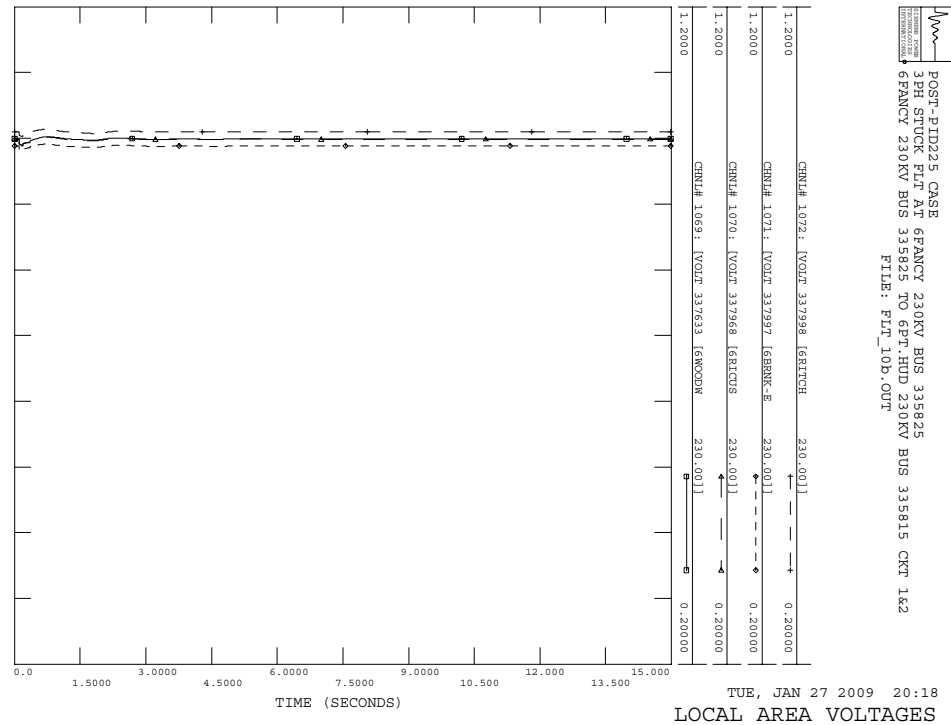
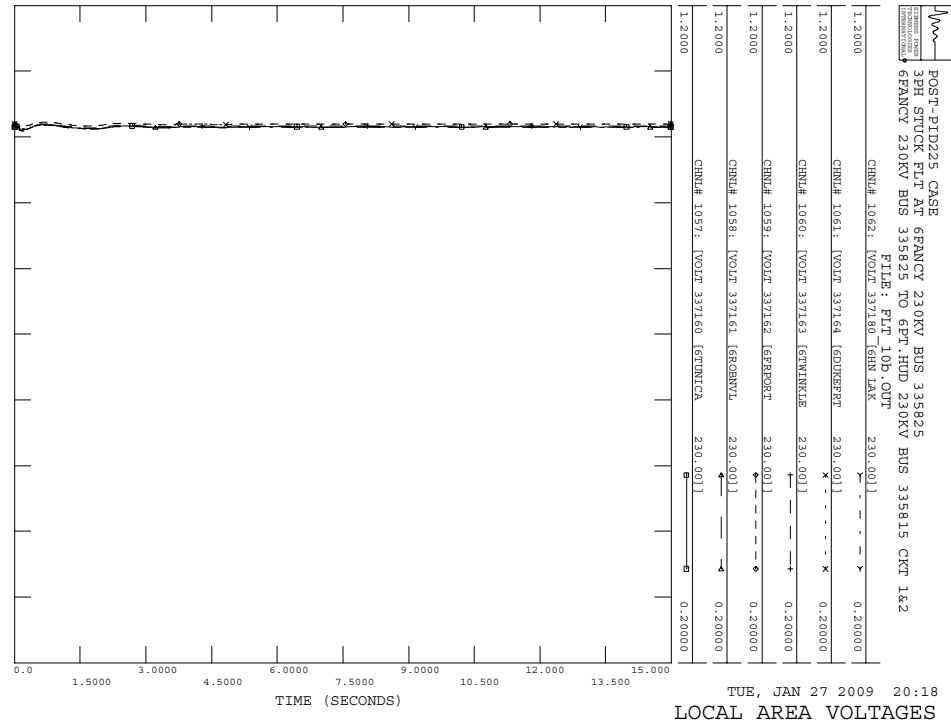
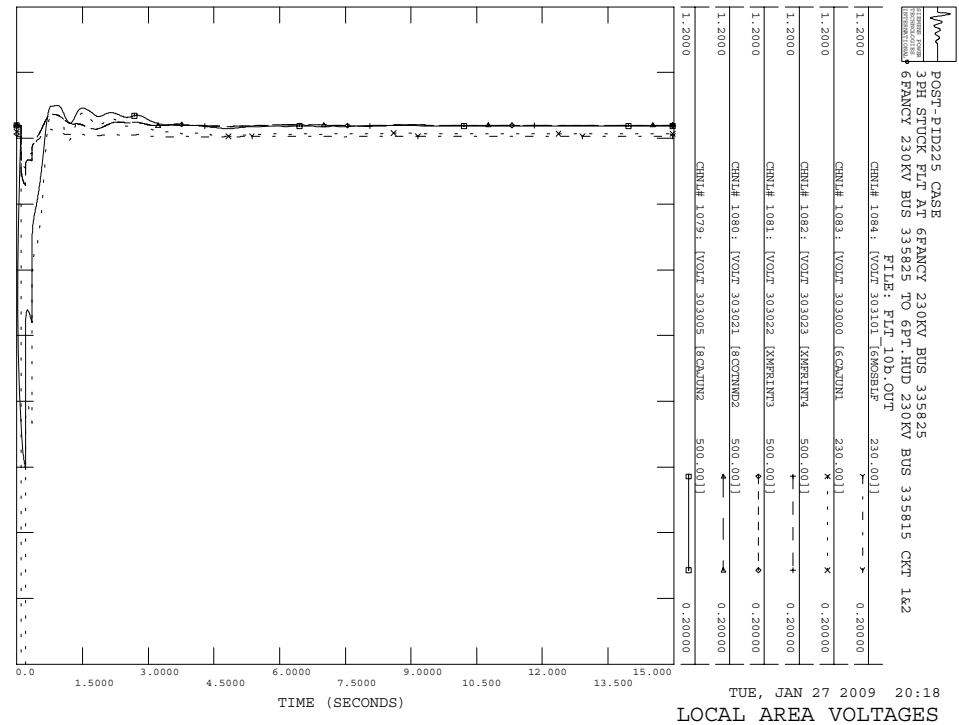
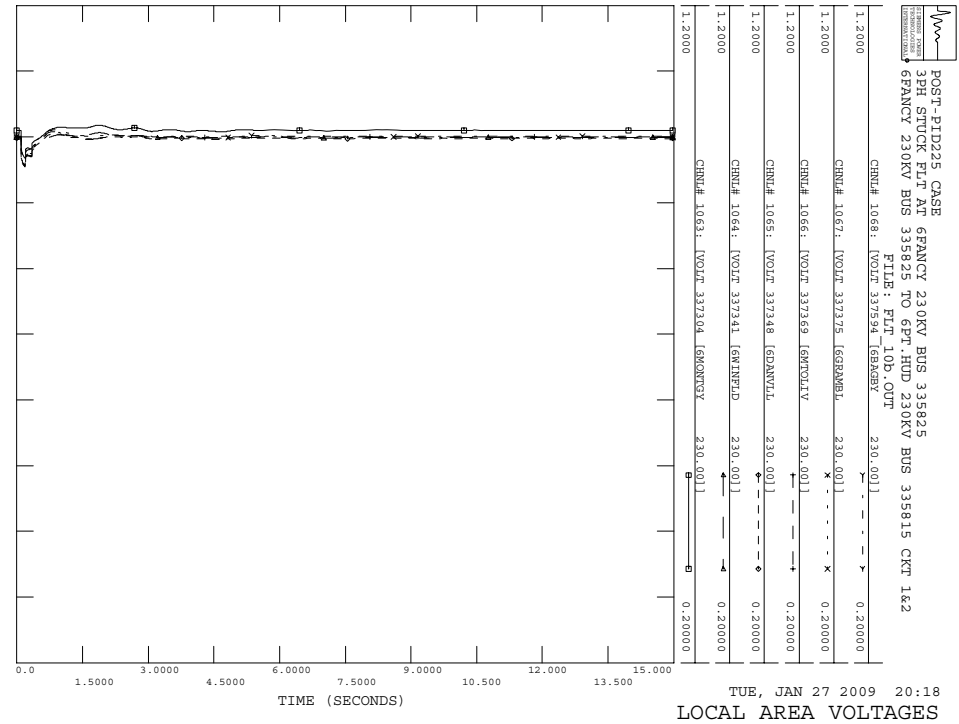


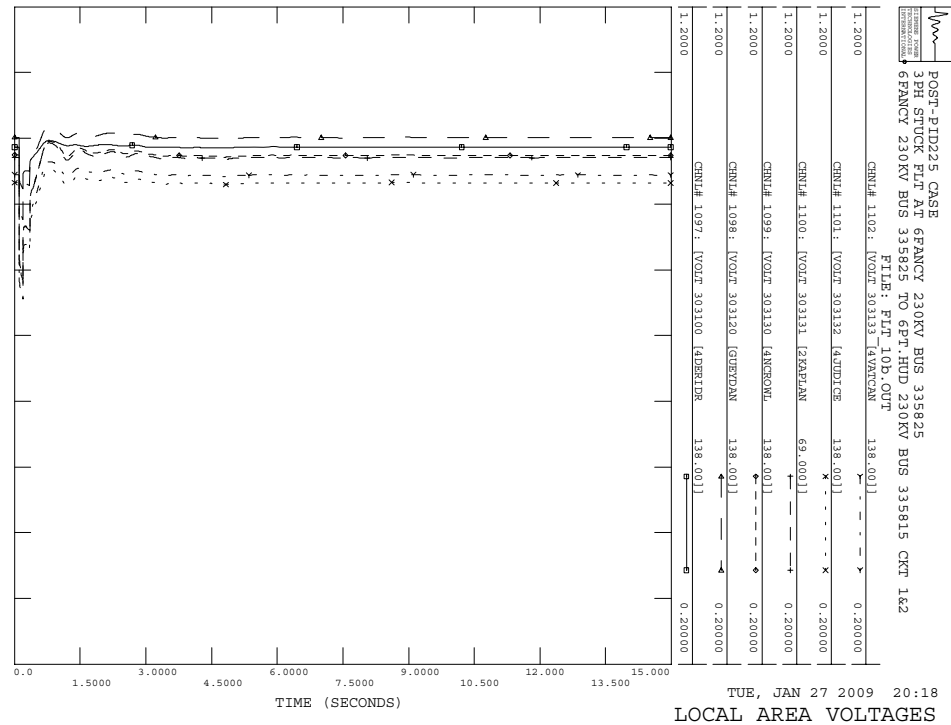
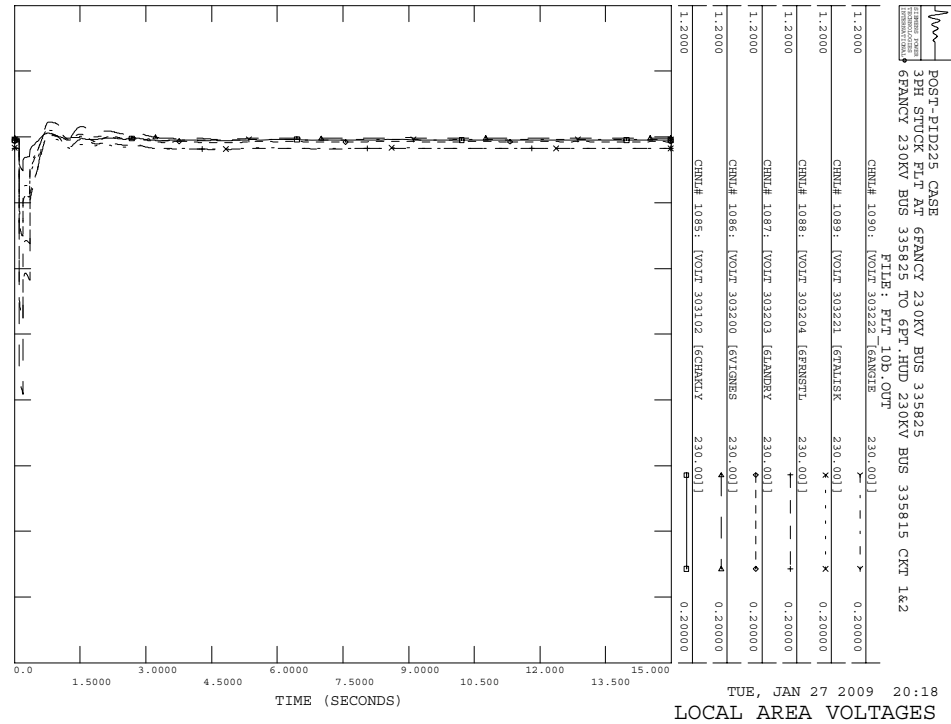
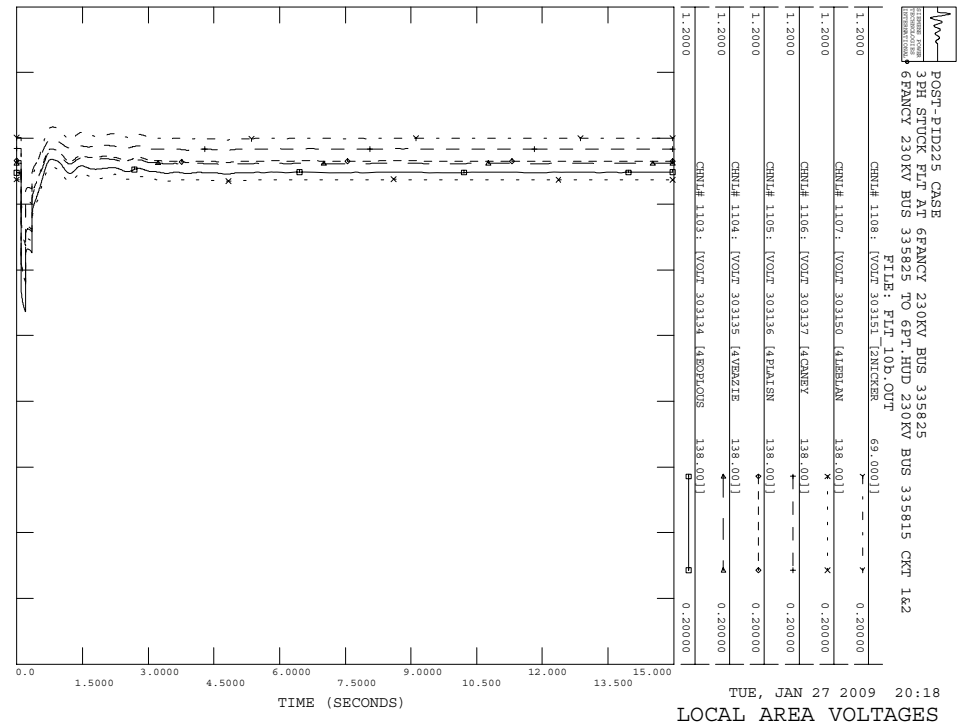
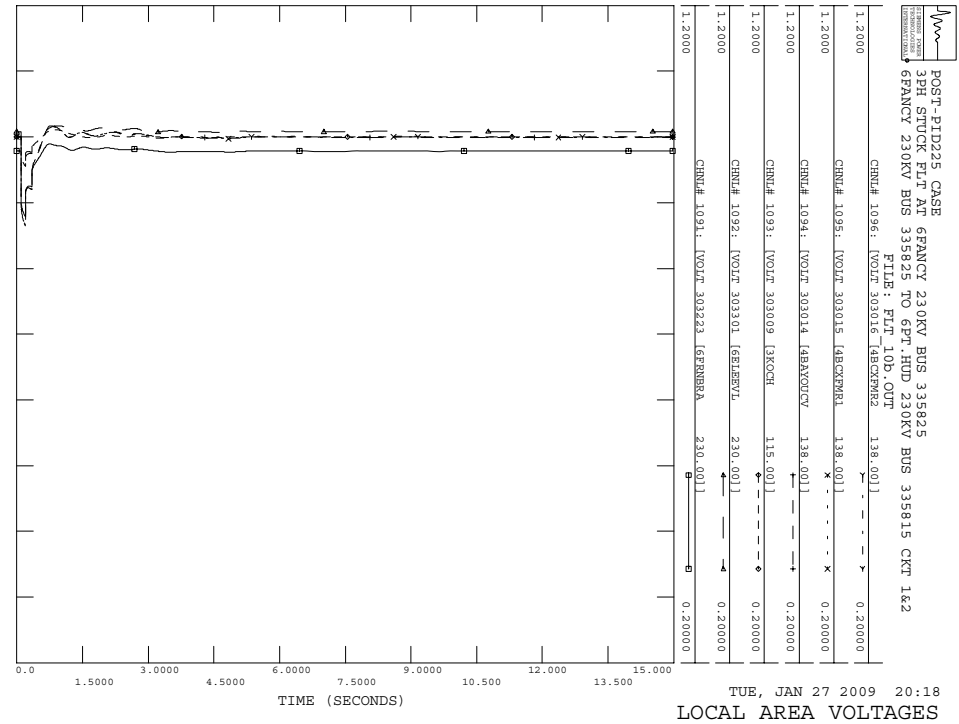


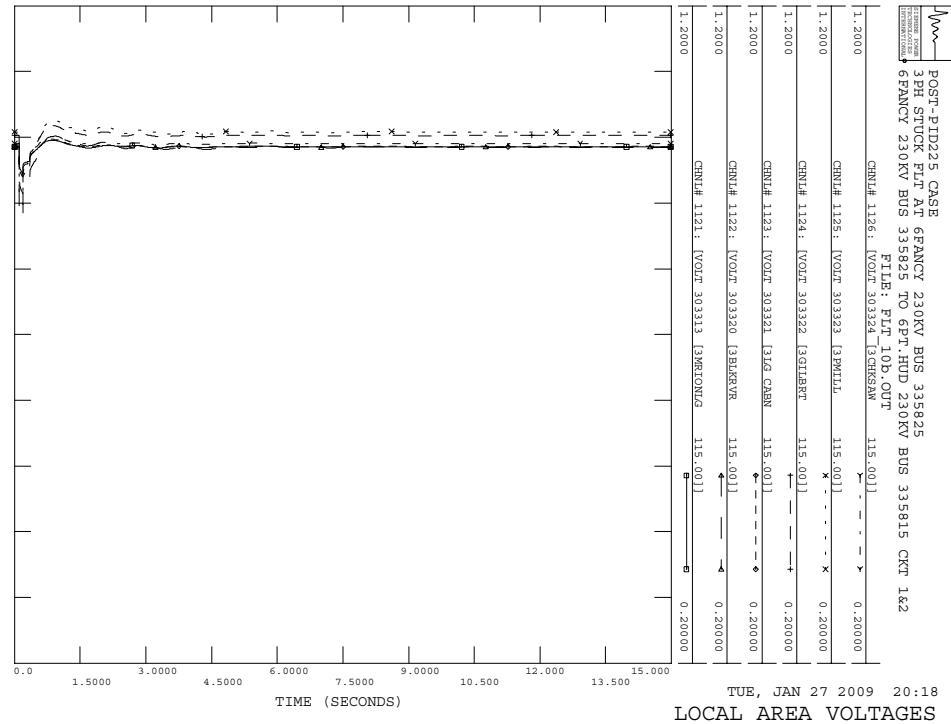
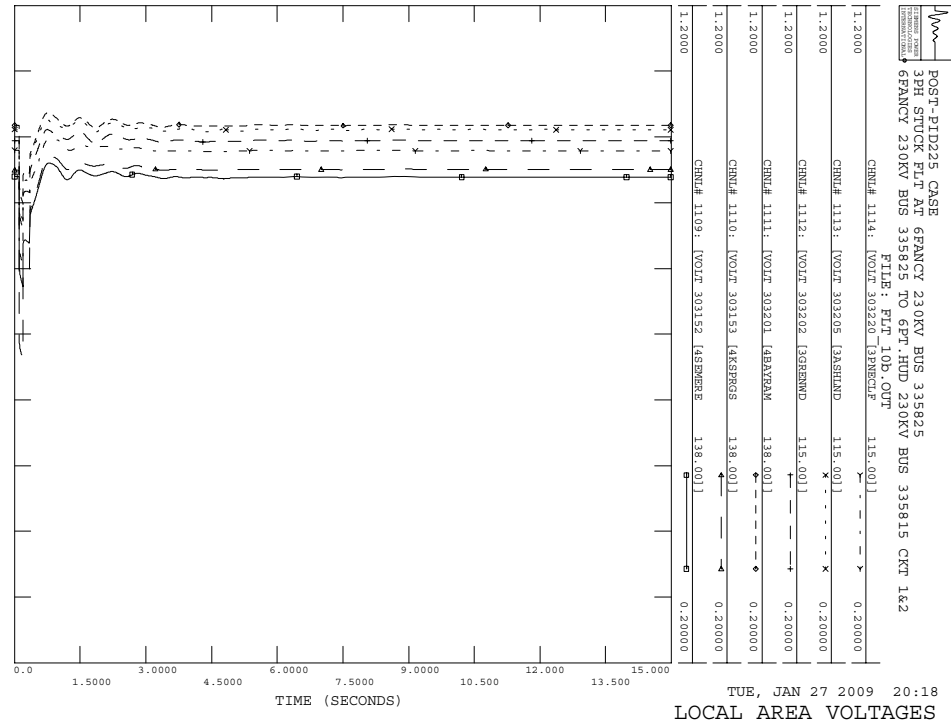
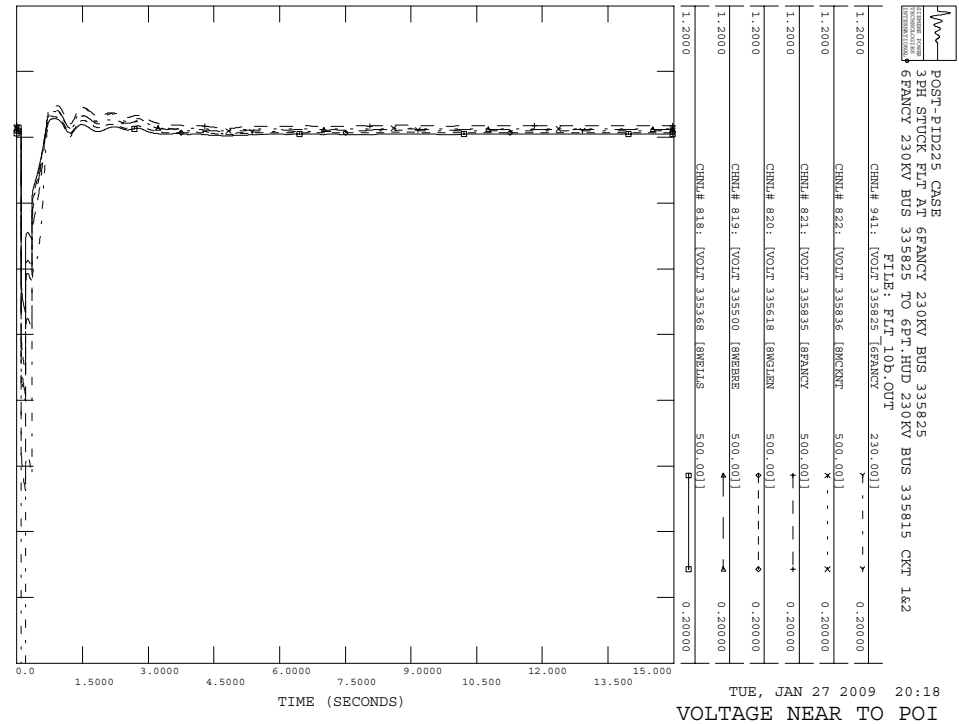
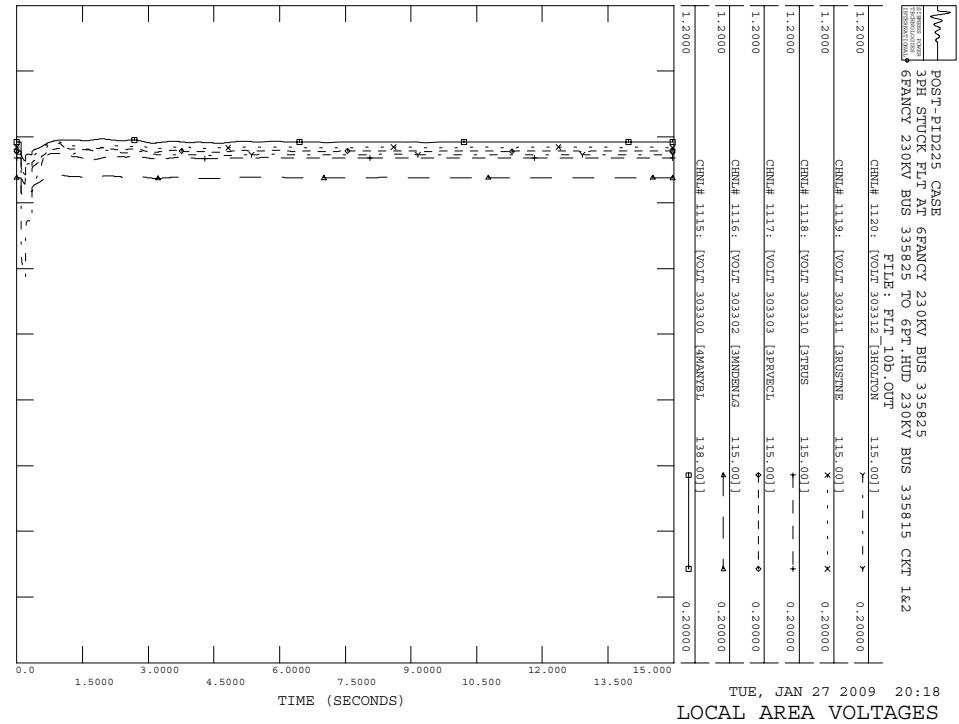






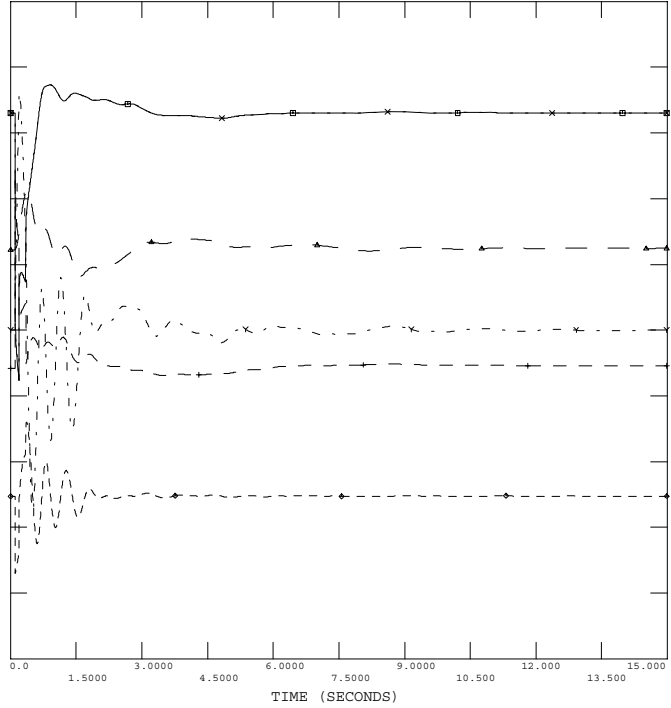






POST-PID225 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
68PANCY 230KV BUS 335825 TO 67T:HDV 230KV BUS 335815 CKT 1&2
FILE: FLT_10B.OUT

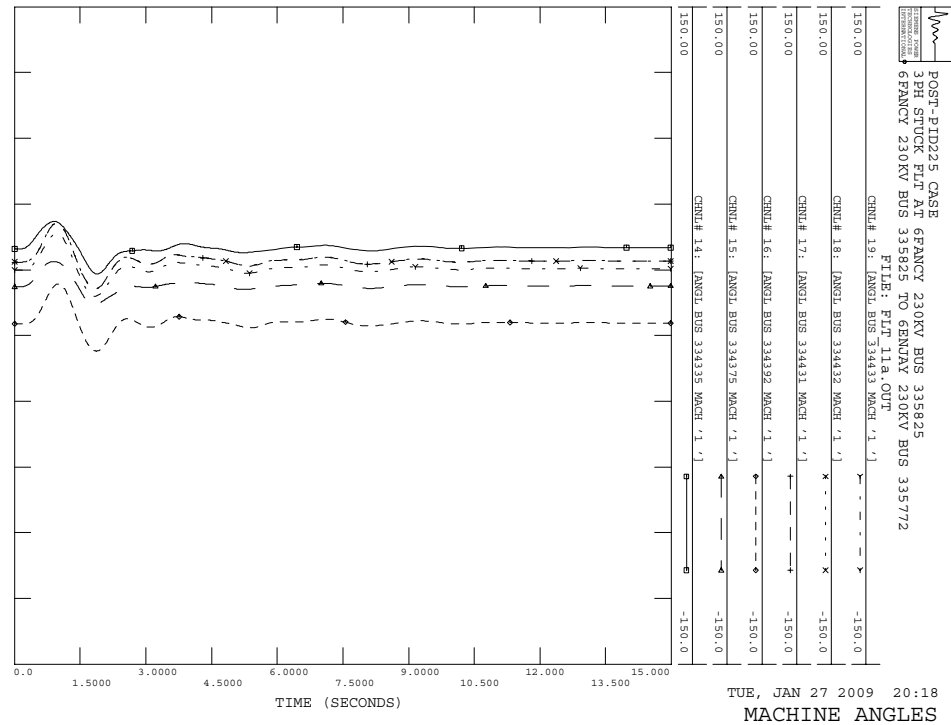
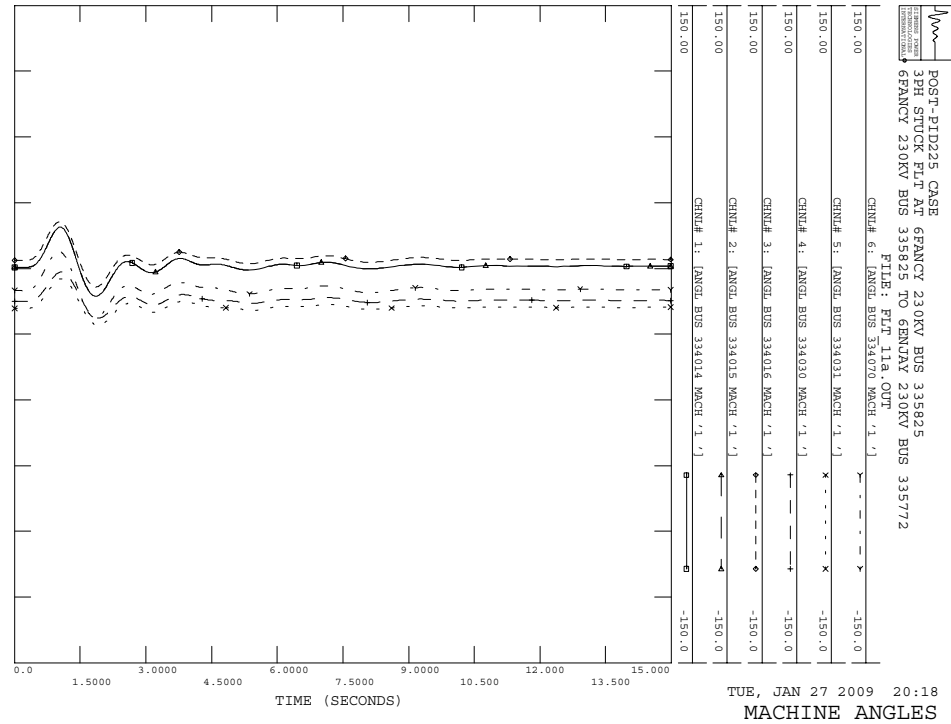
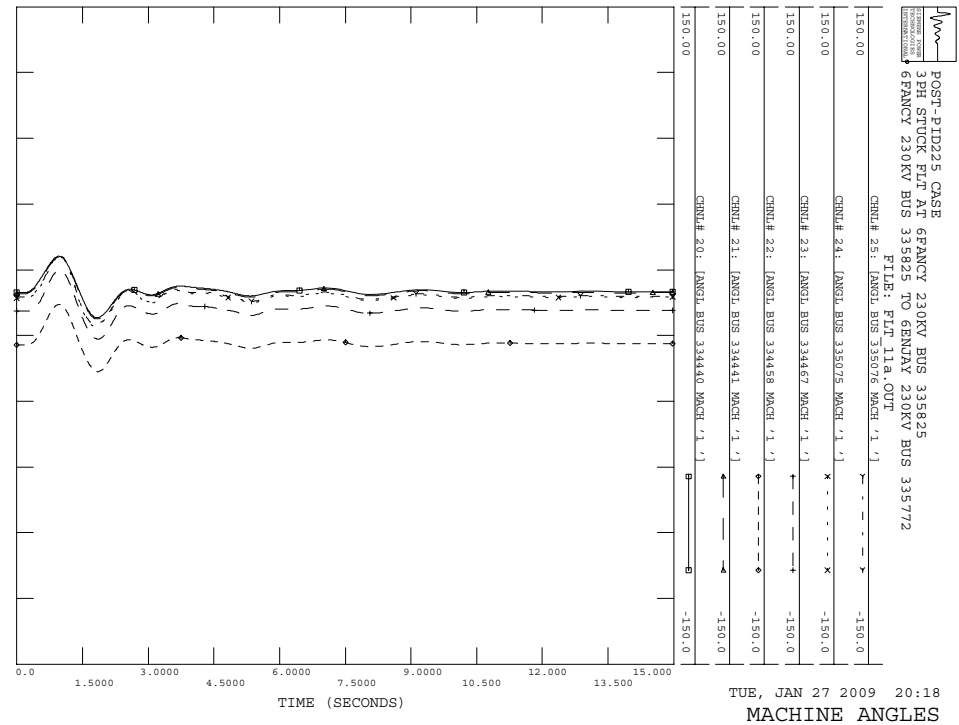
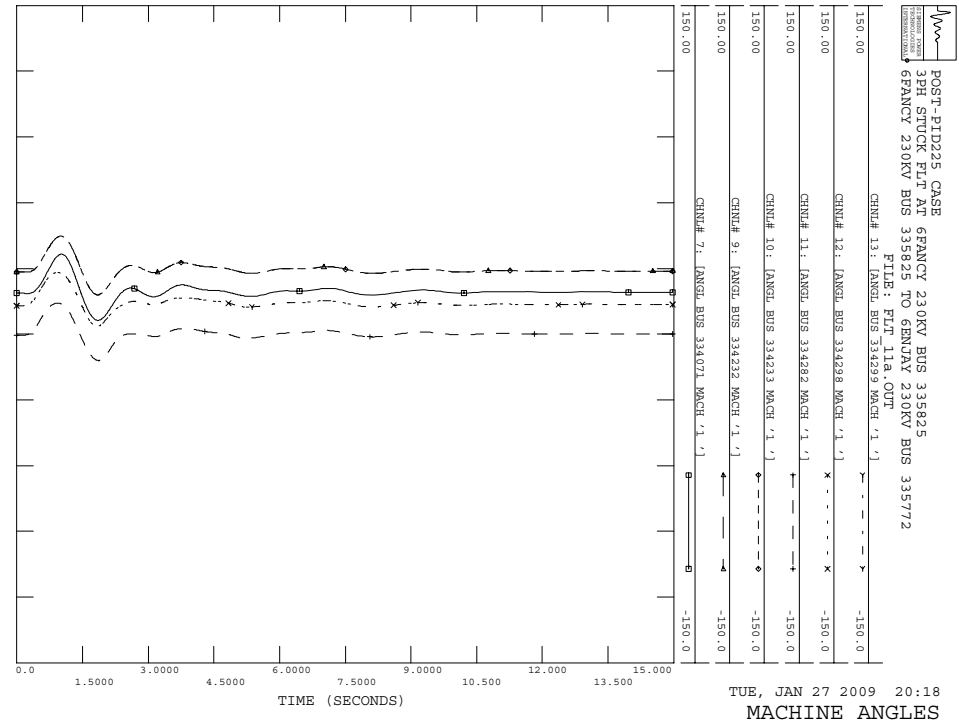
0.0100	CHNL# 1131: [ETRM BUS 303008 WACH '1 ']	-0.0100
1.2000	CHNL# 1130: [VARS BUS 303008 WACH '1 ']	0.20000
15.000	CHNL# 1129: [PCOR BUS 303008 WACH '1 ']	-10.00
25.000	CHNL# 1128: [ANGL BUS 303008 WACH '1 ']	0.0
150.00	CHNL# 1127: [VOLT 303008 [BAC2 U3 24.000]]	-150.0
1.2000		0.20000

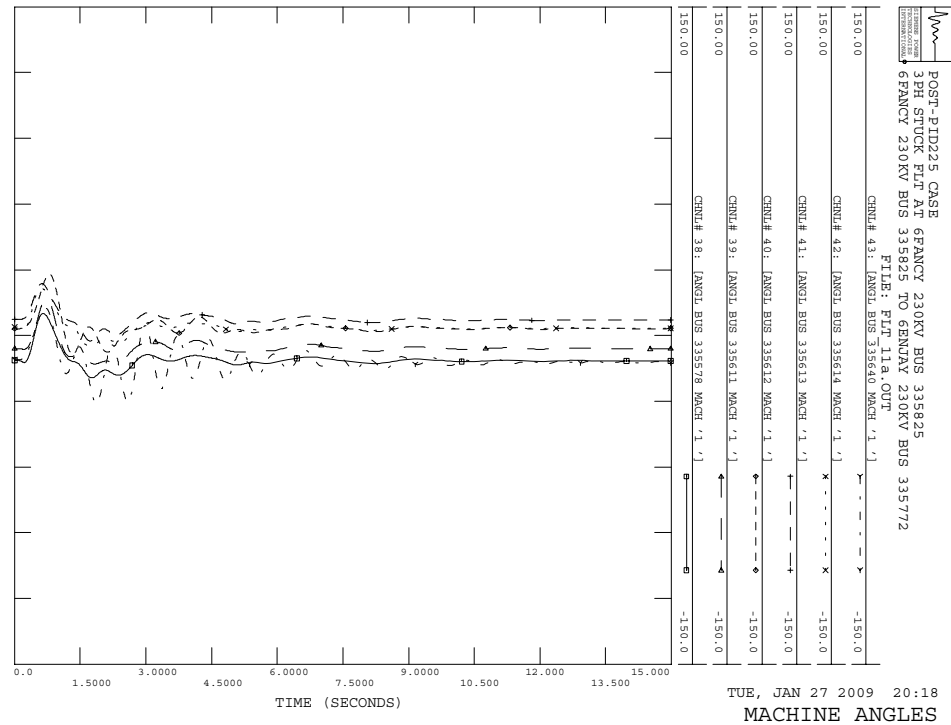
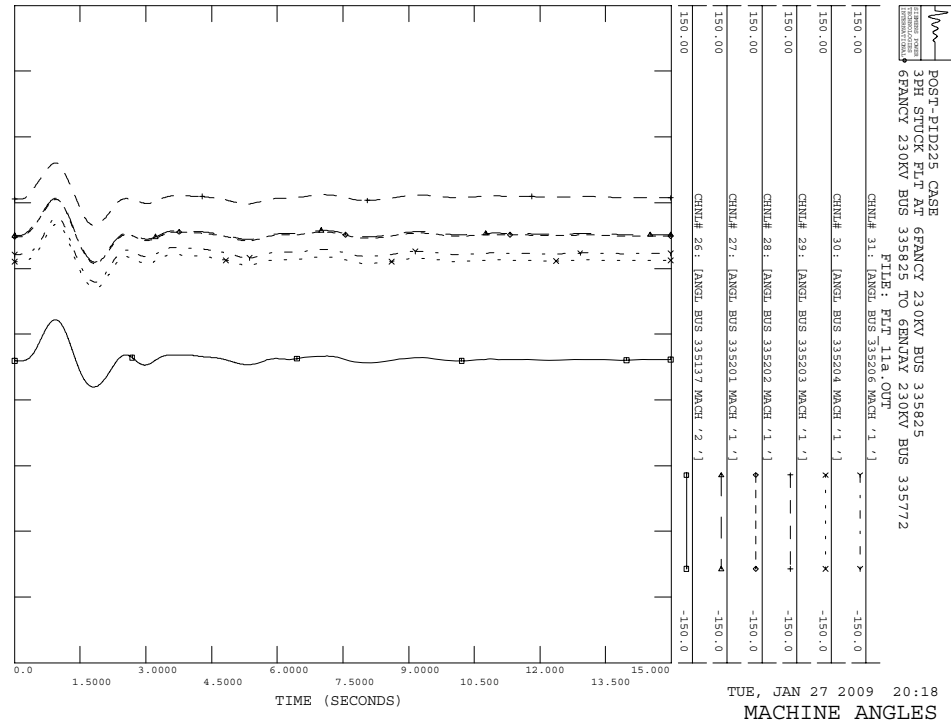
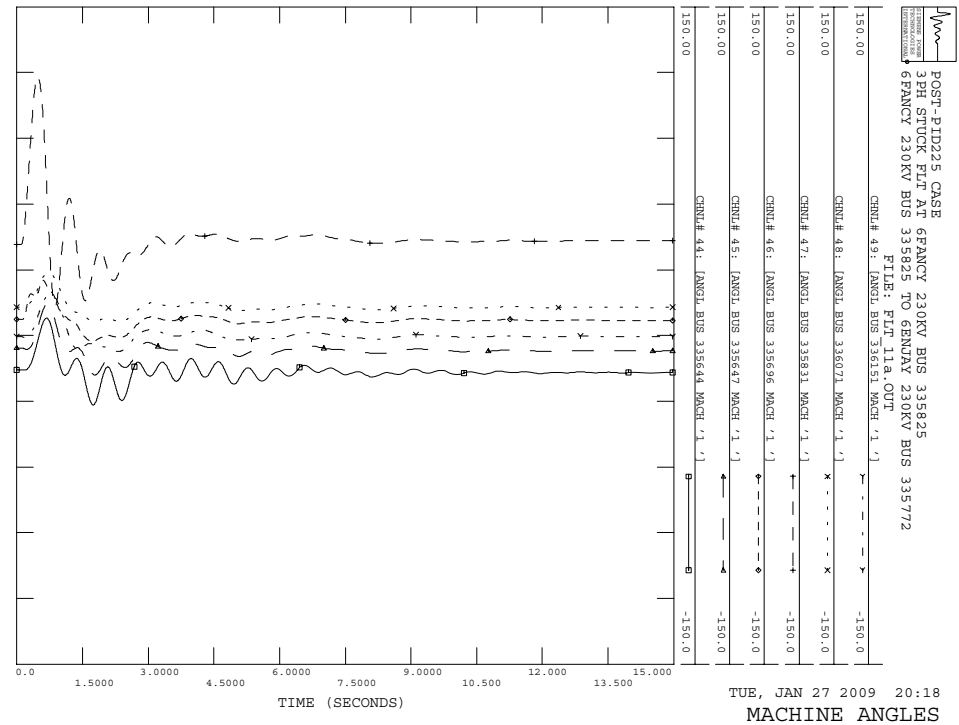
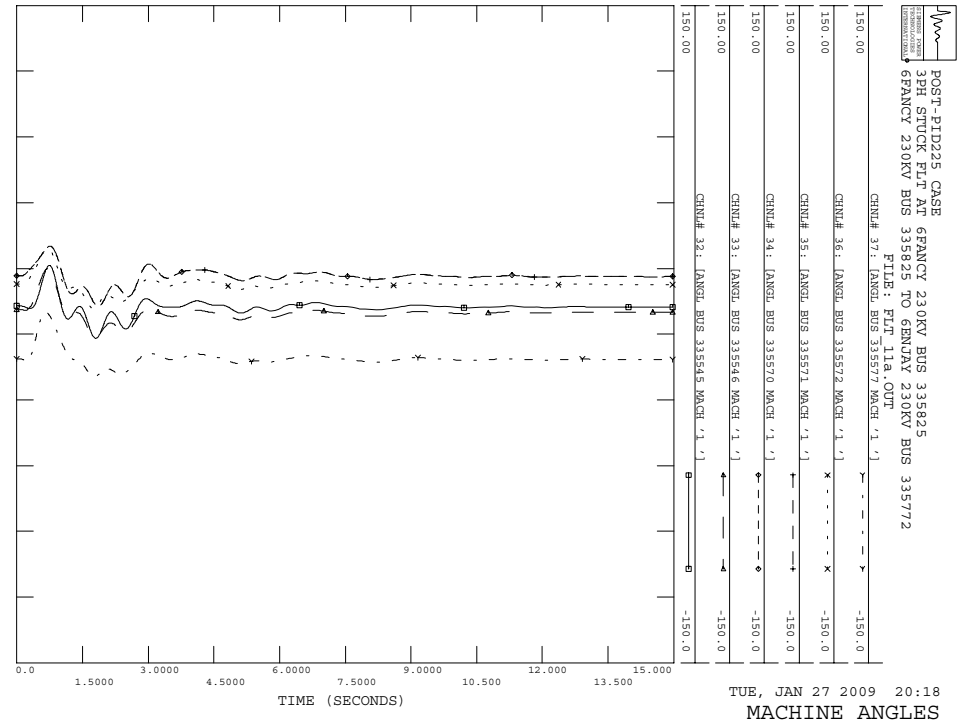


C.19 FLT_11a

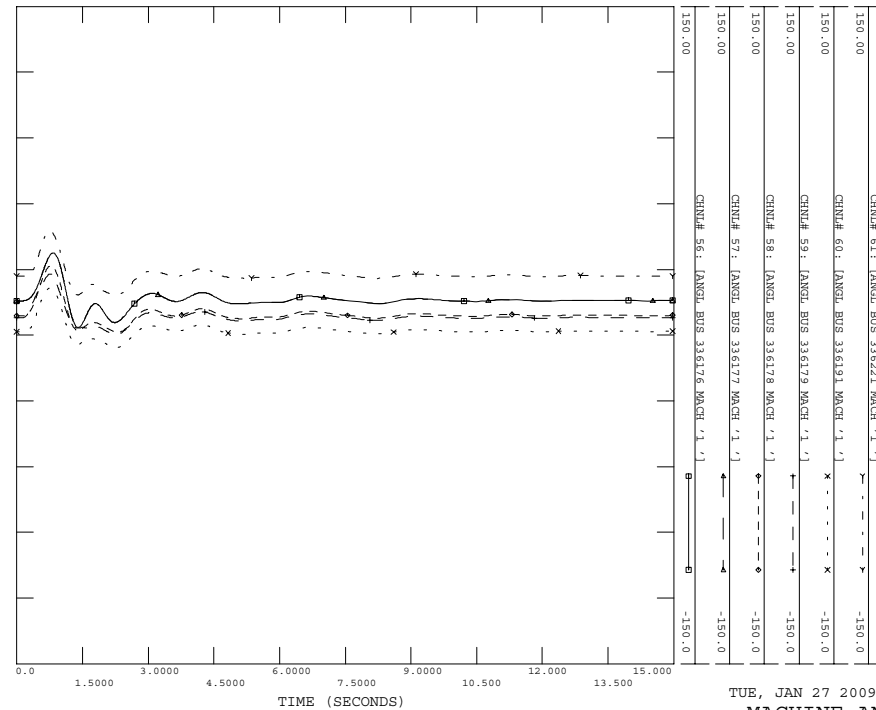
Stuck breaker fault on the 6FANCY (#335825) to 6ENJAY (#335772) 230 kV line, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping line from 6FANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772

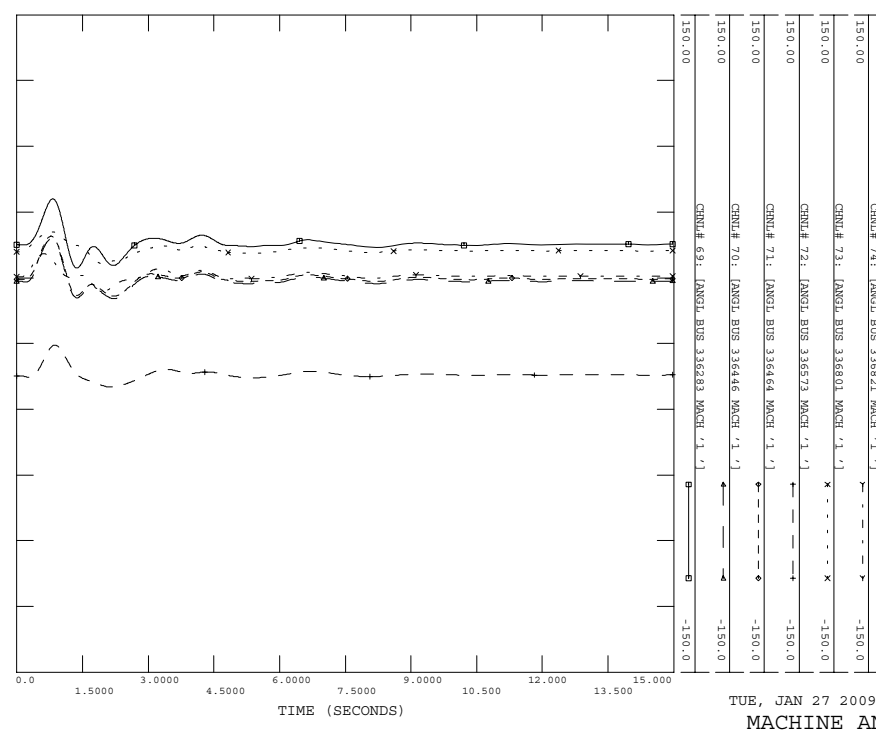




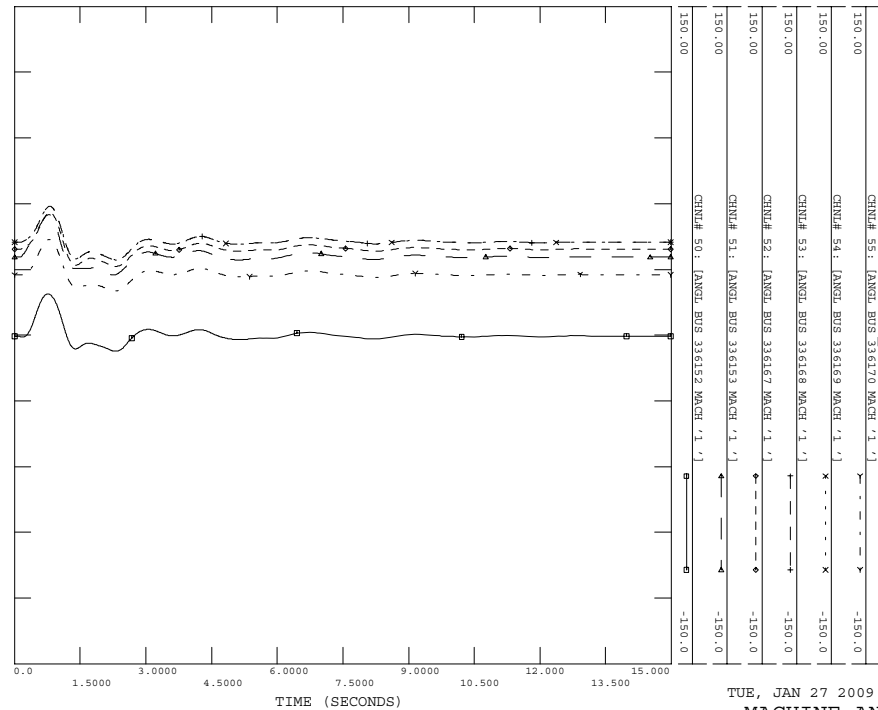
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT



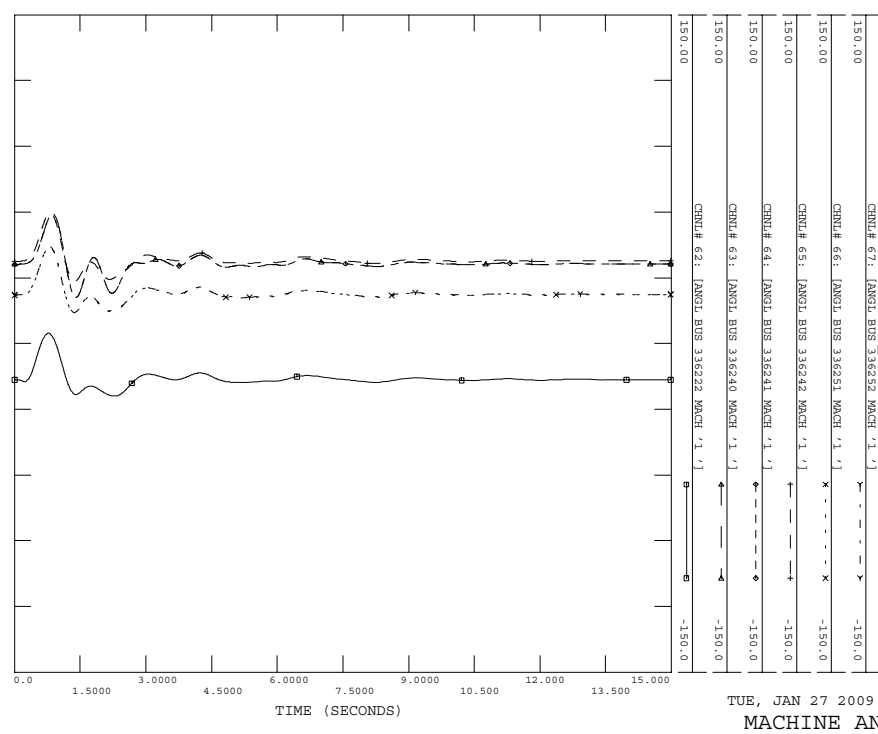
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT

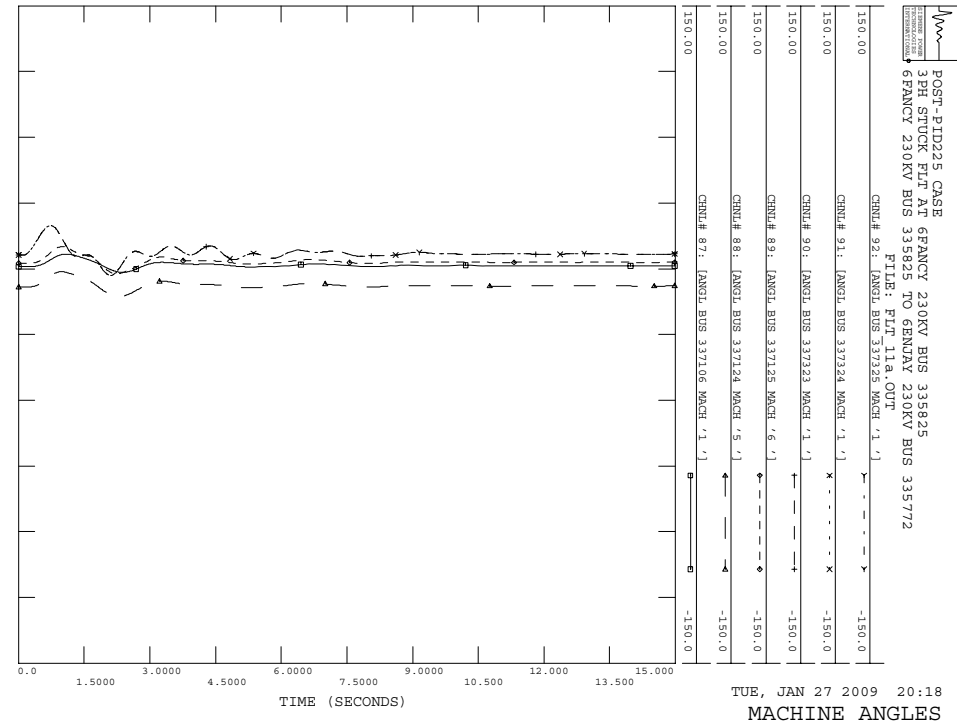
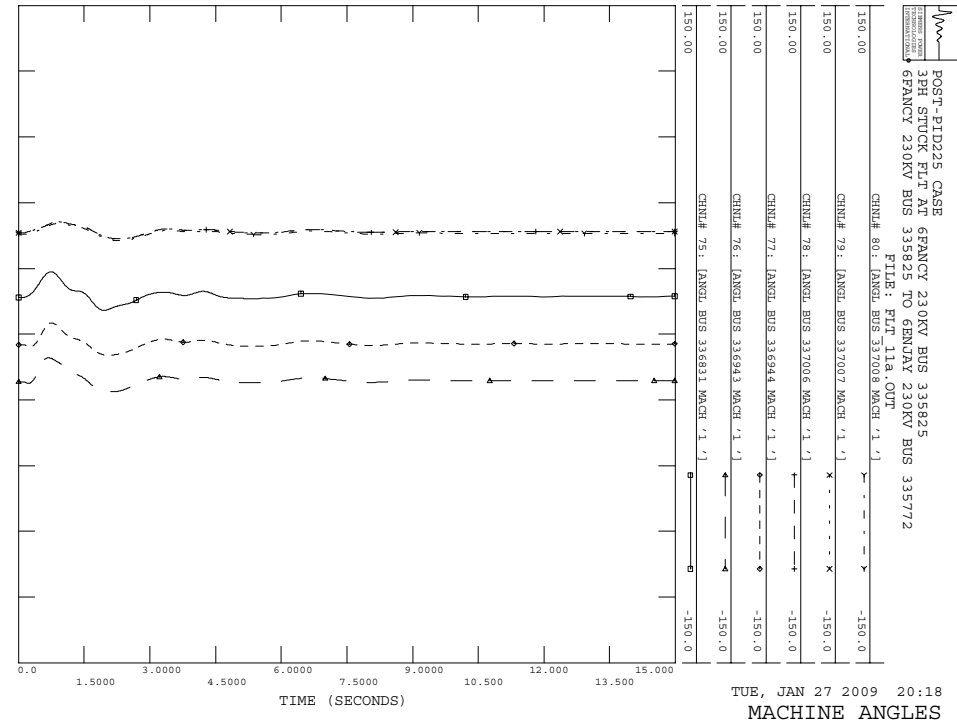
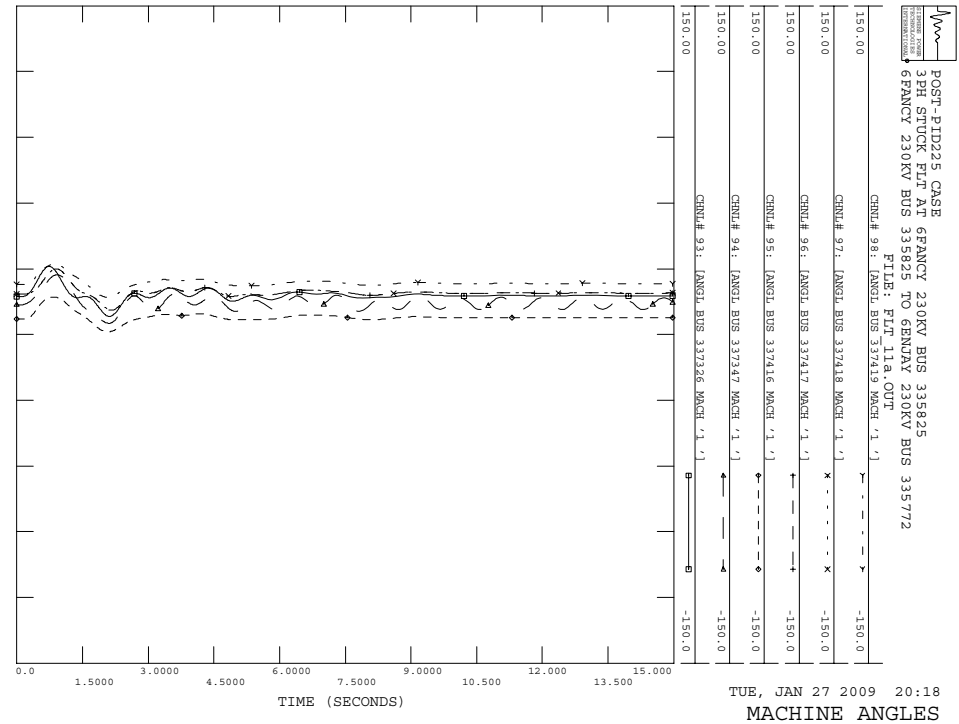
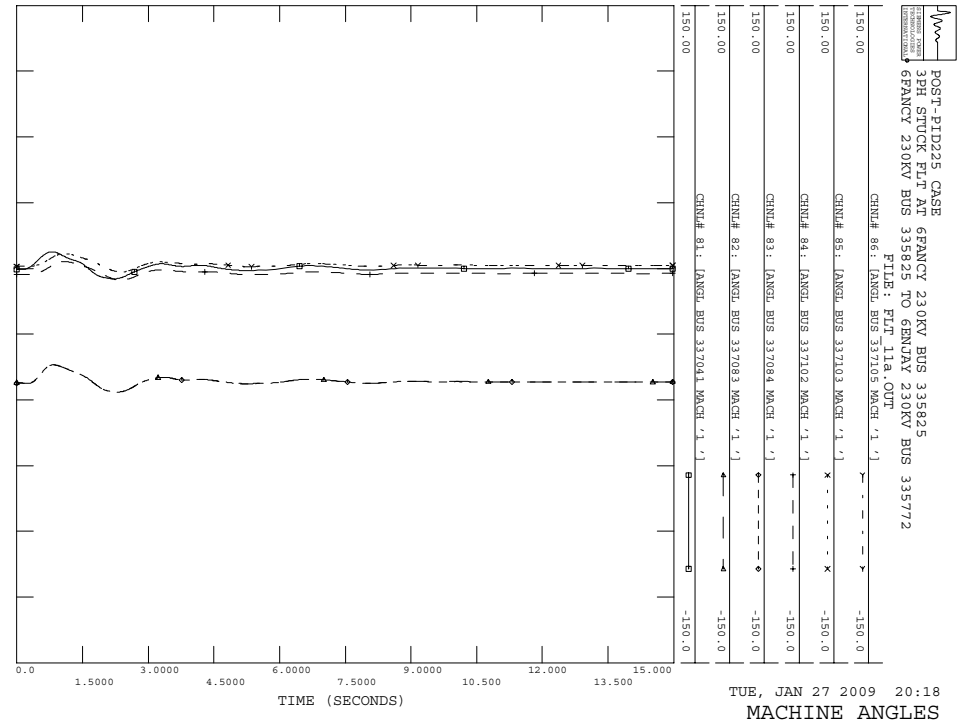


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT

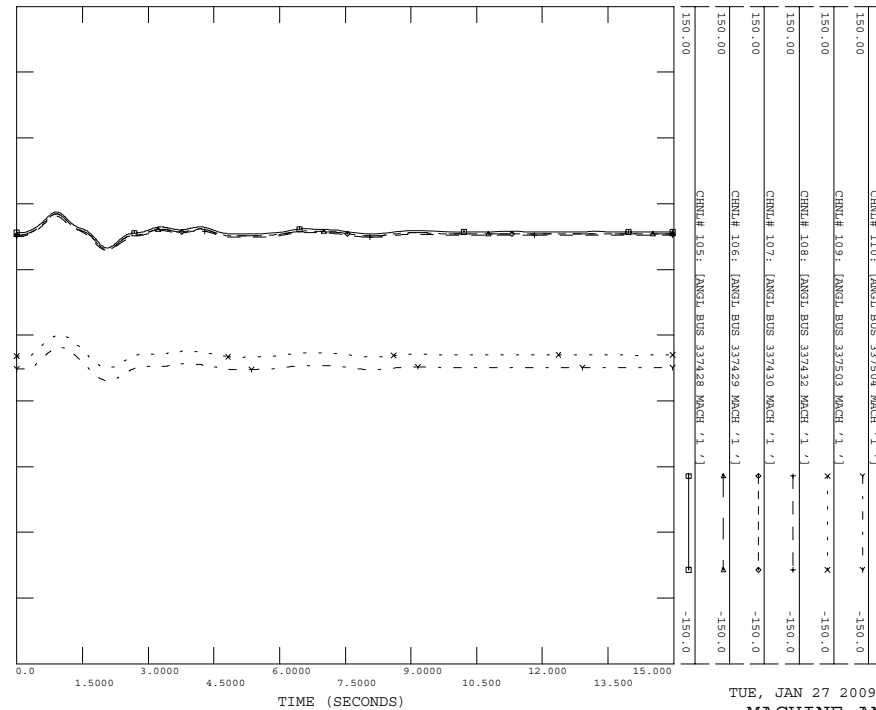


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT



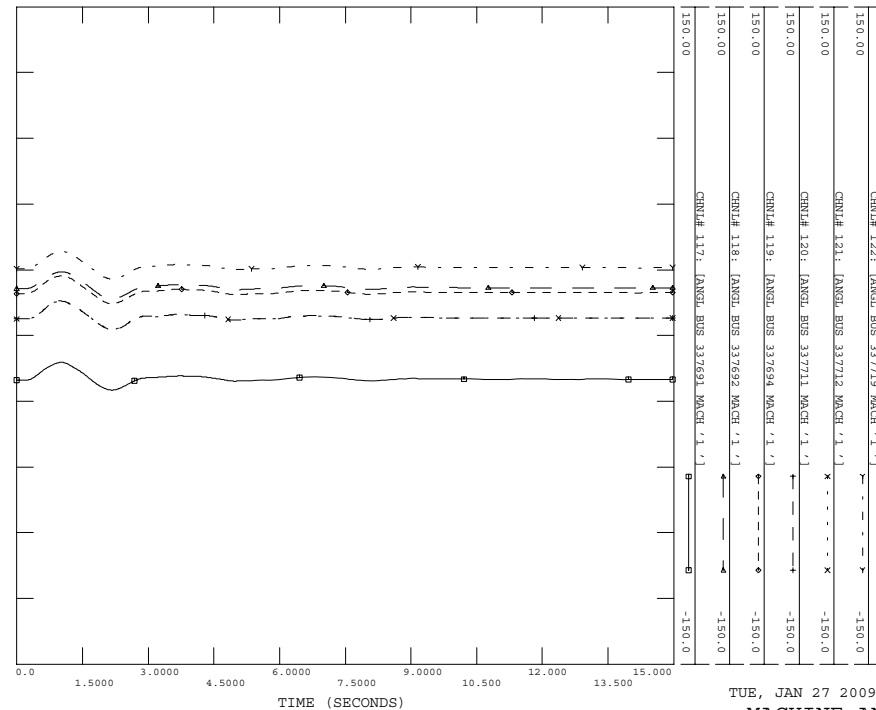


POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT



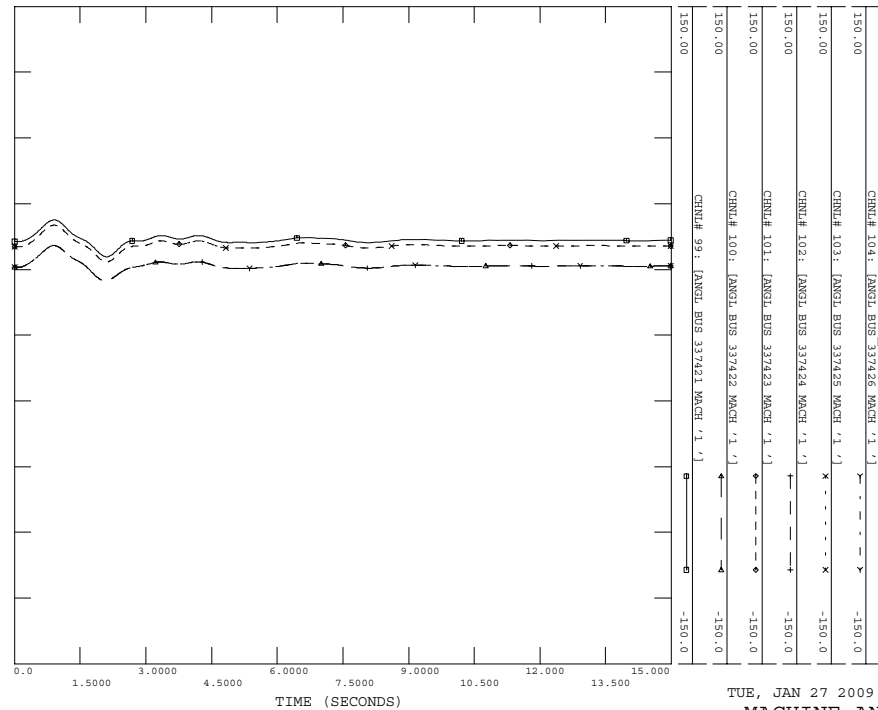
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT



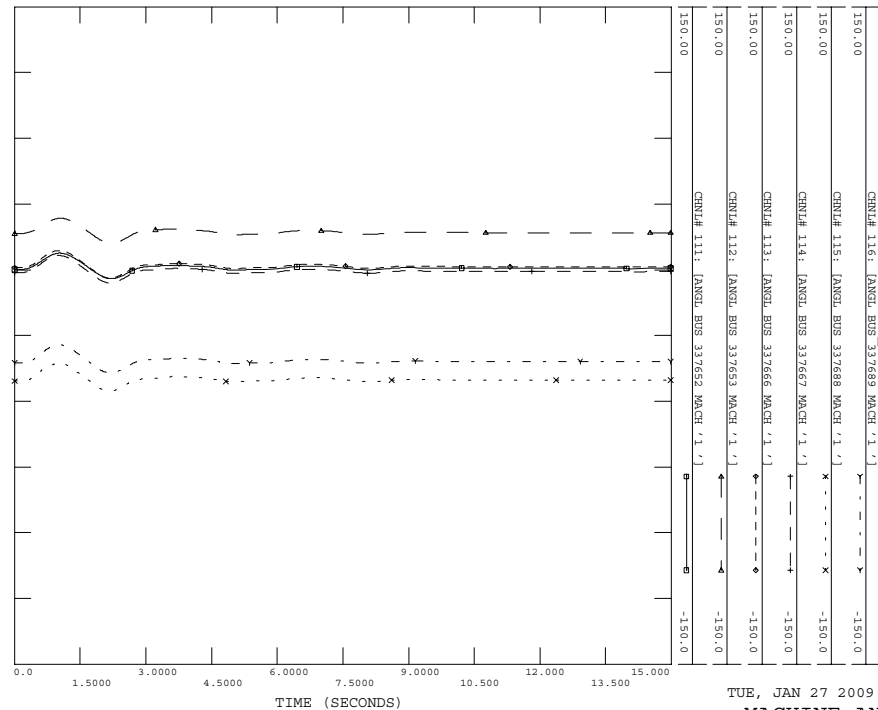
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT



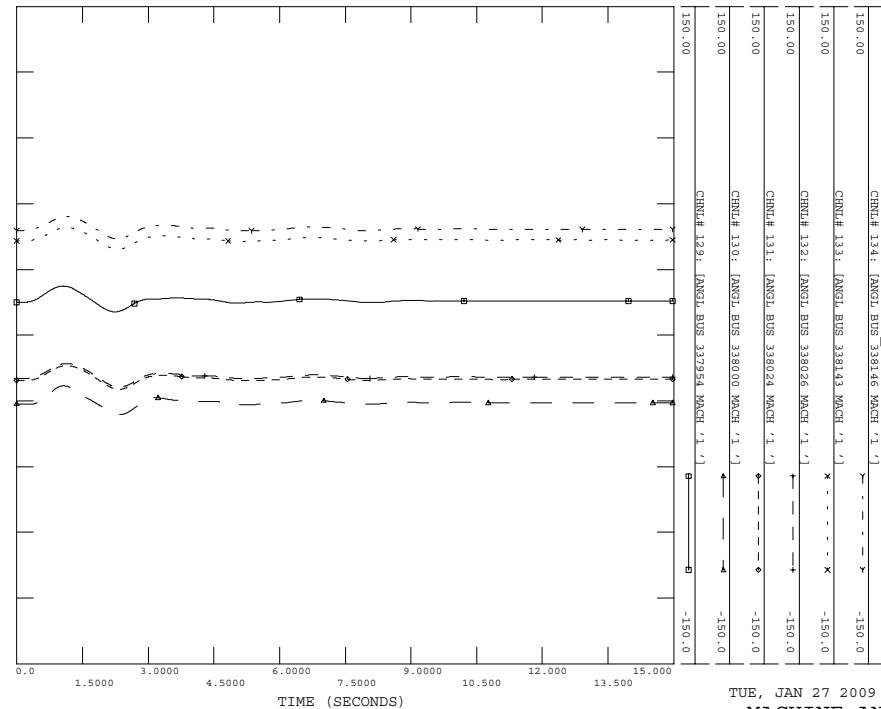
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT

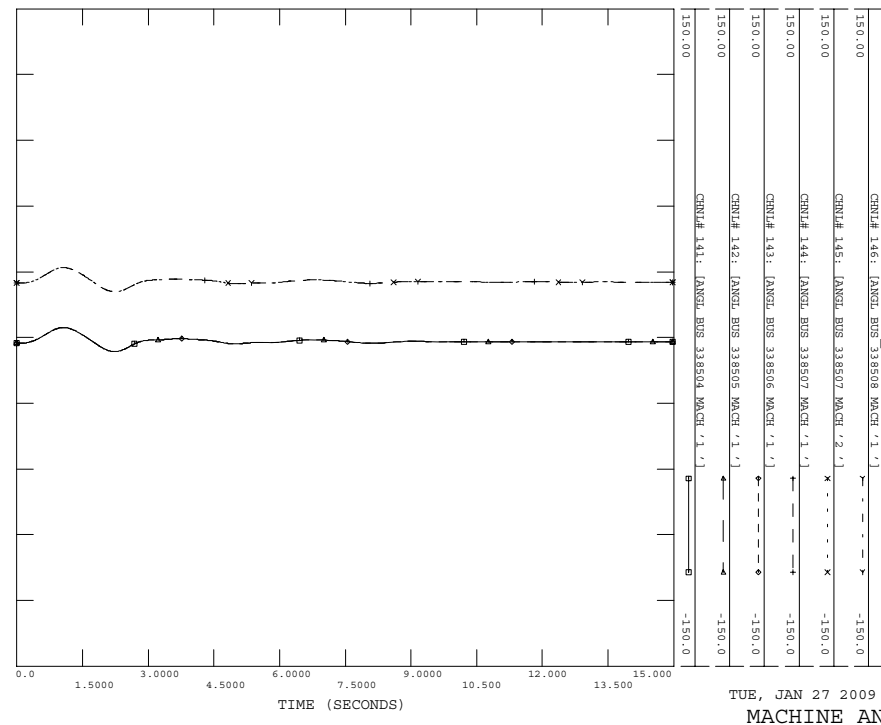


TUE, JAN 27 2009 20:18
MACHINE ANGLES

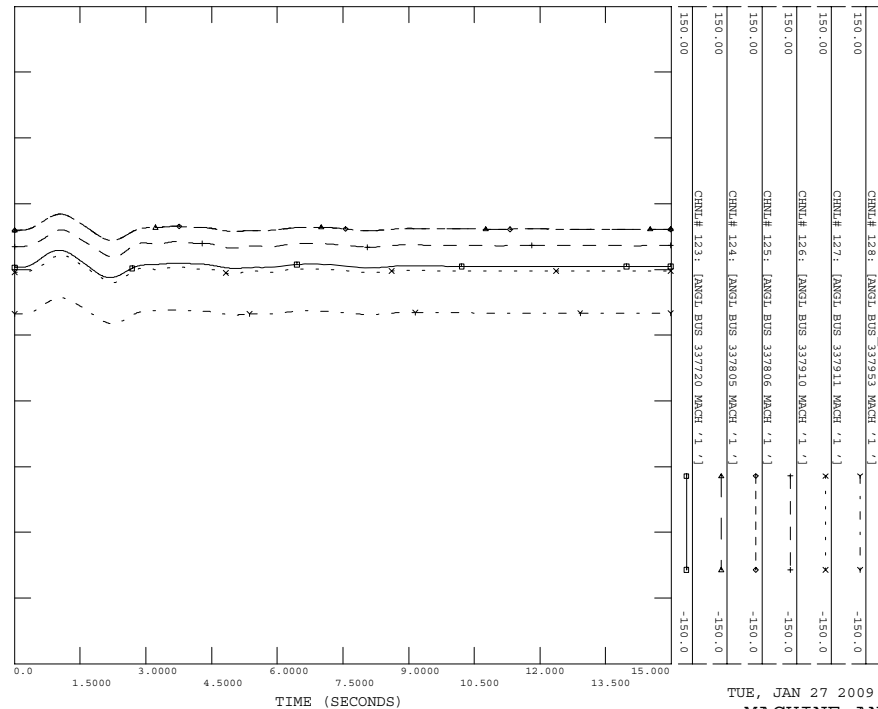
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT



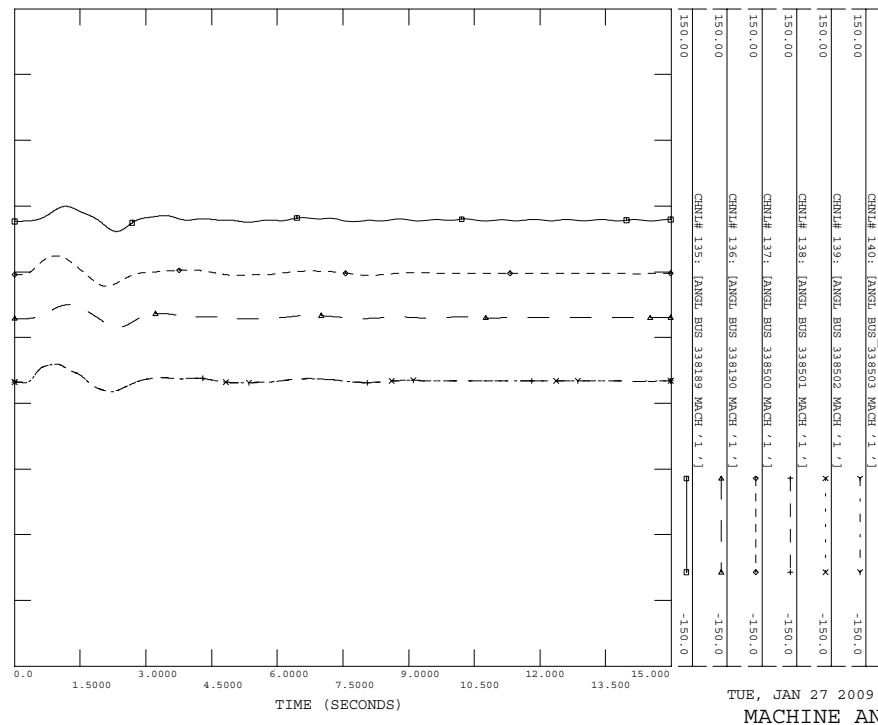
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT

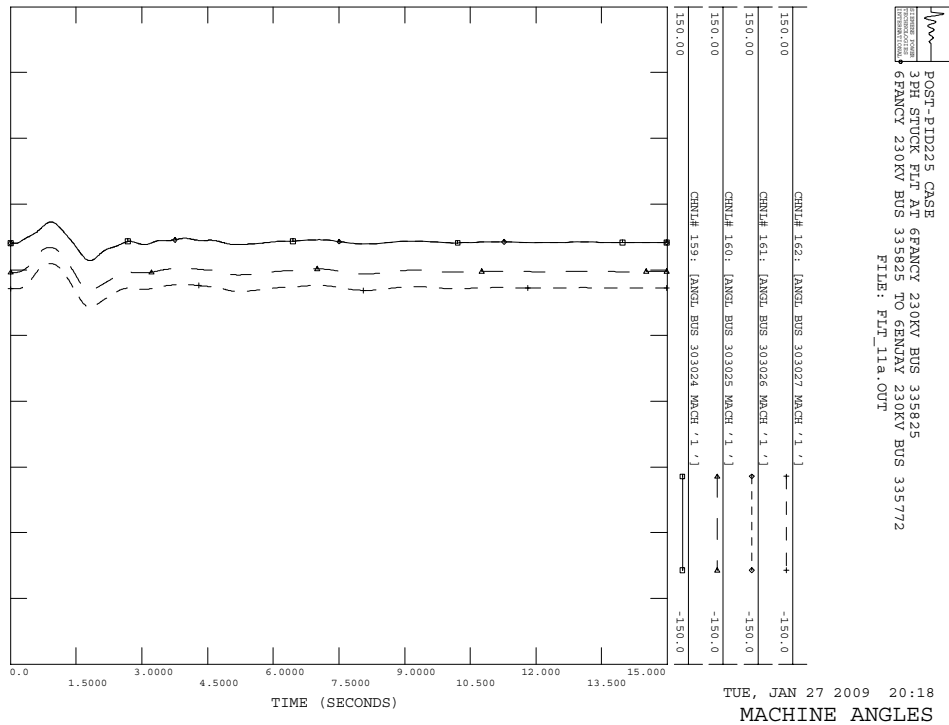
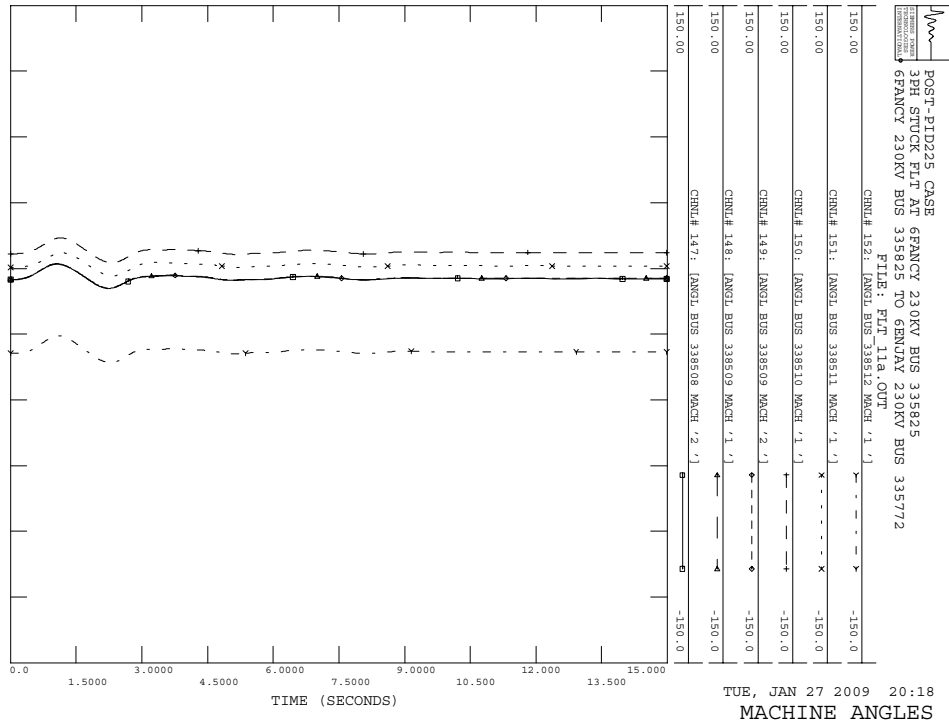
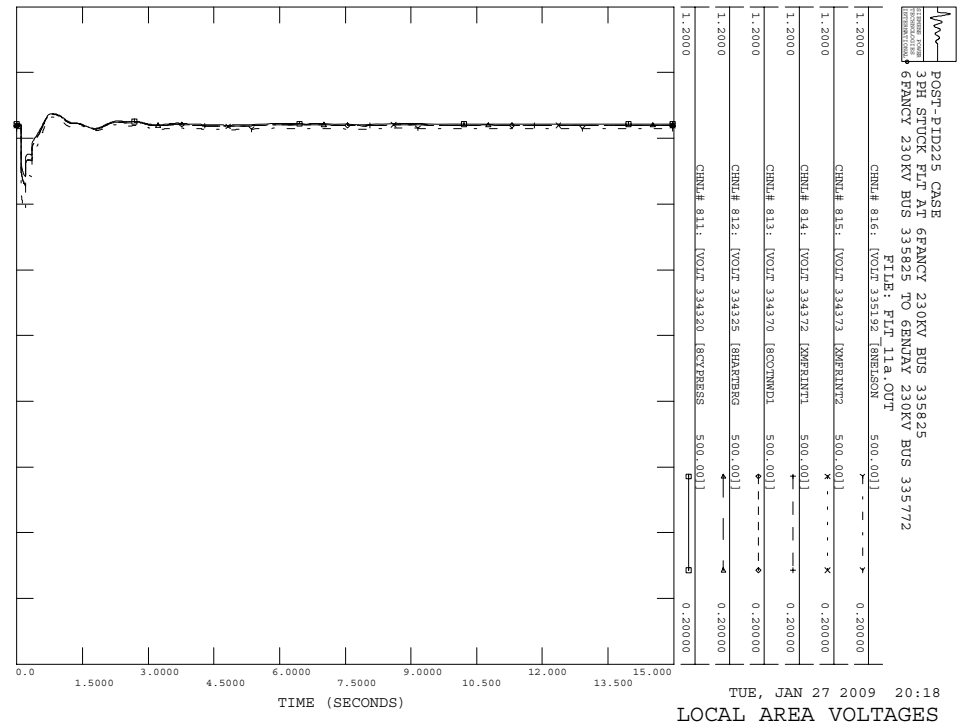
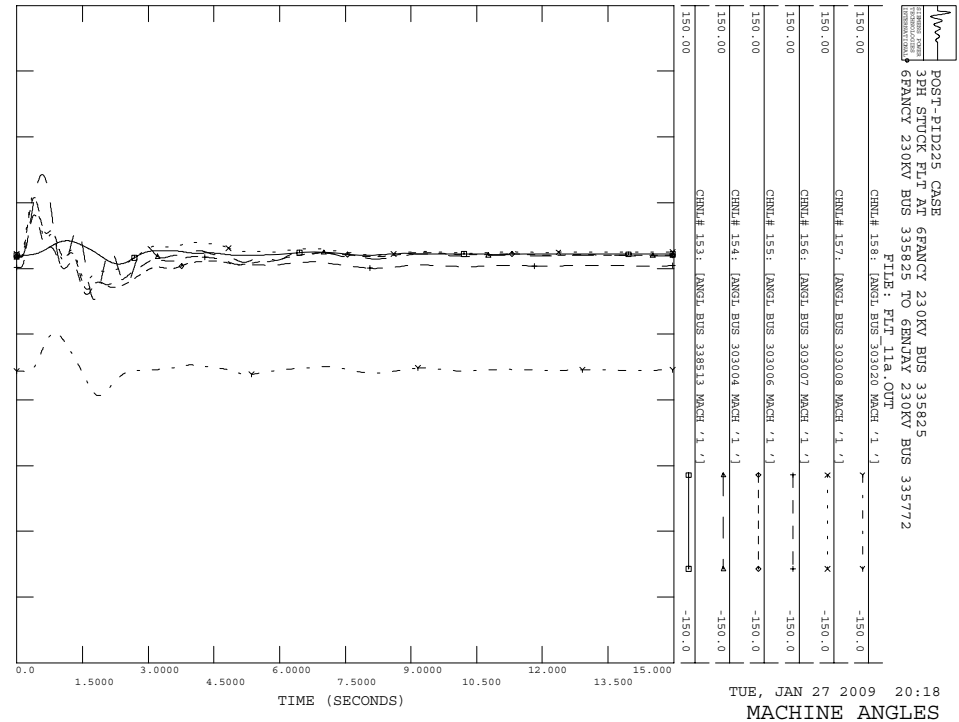


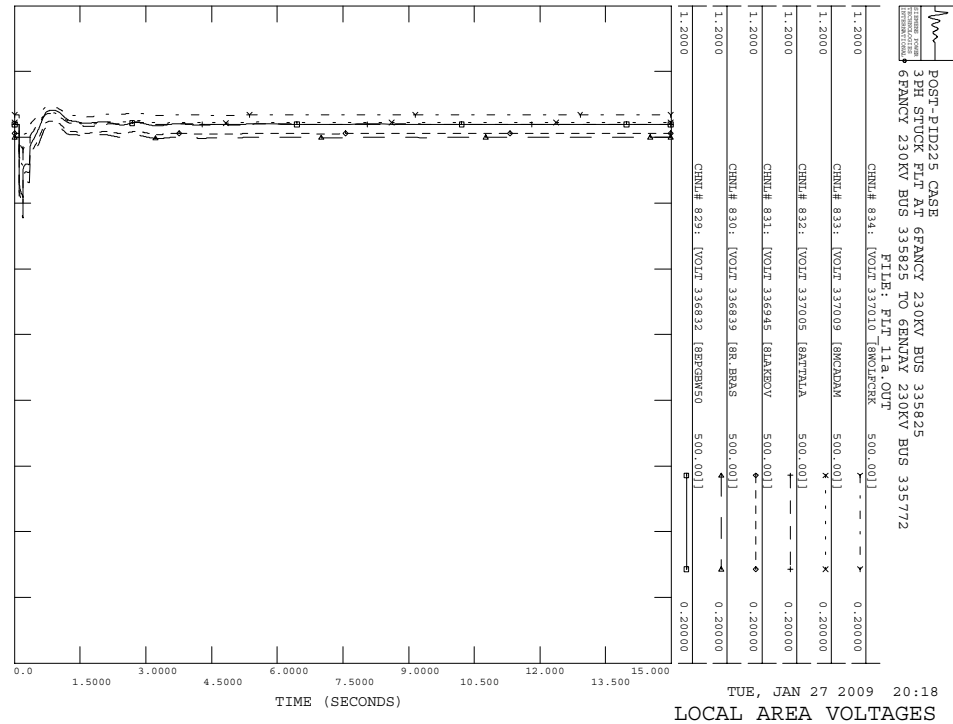
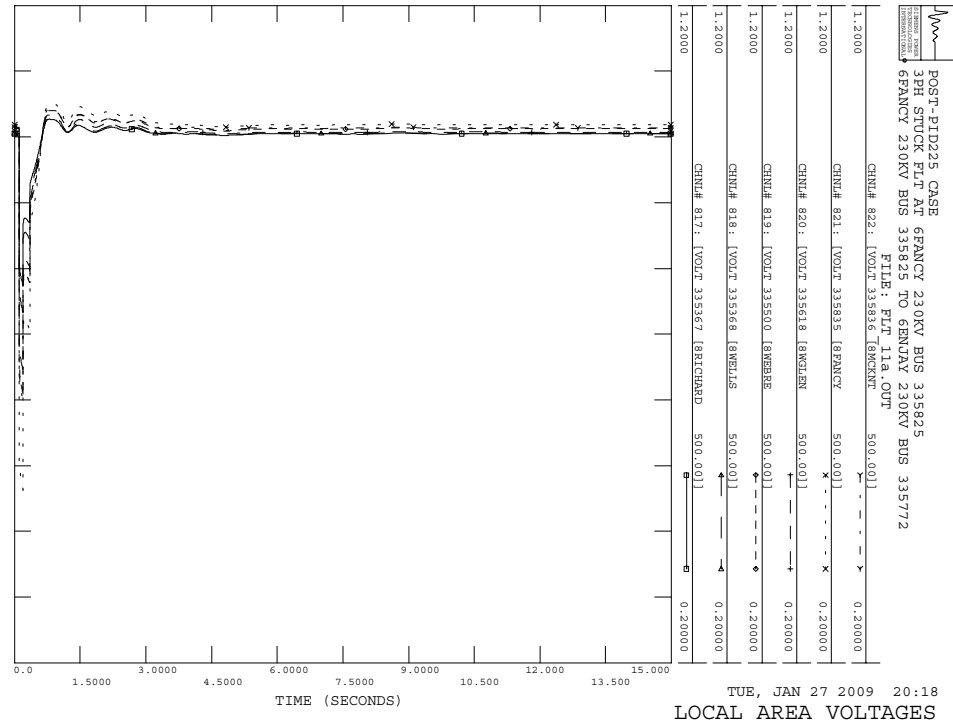
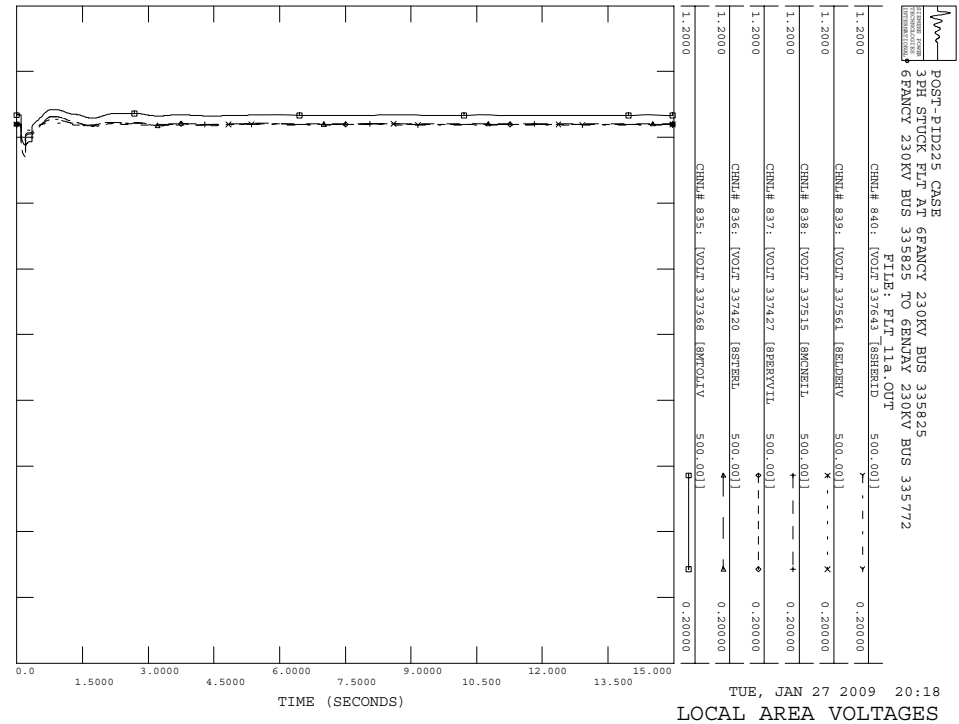
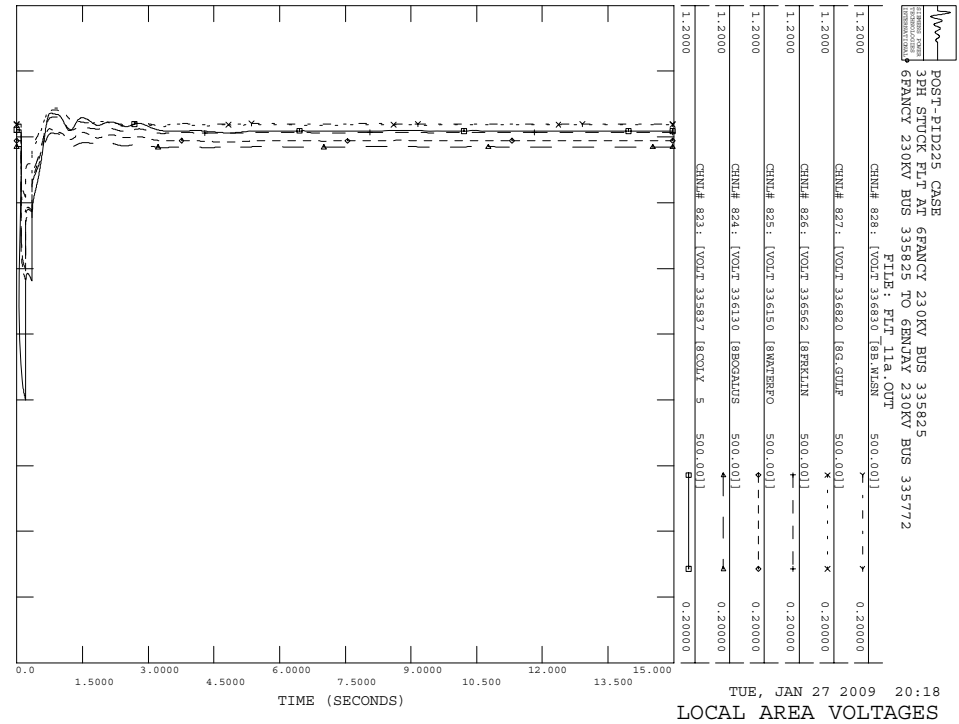
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT

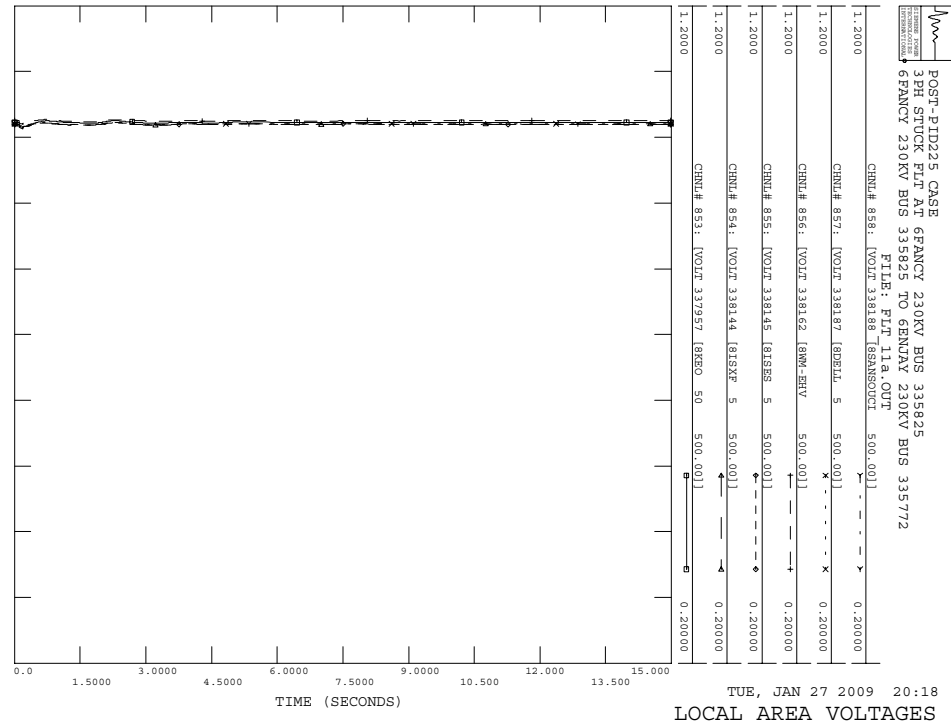
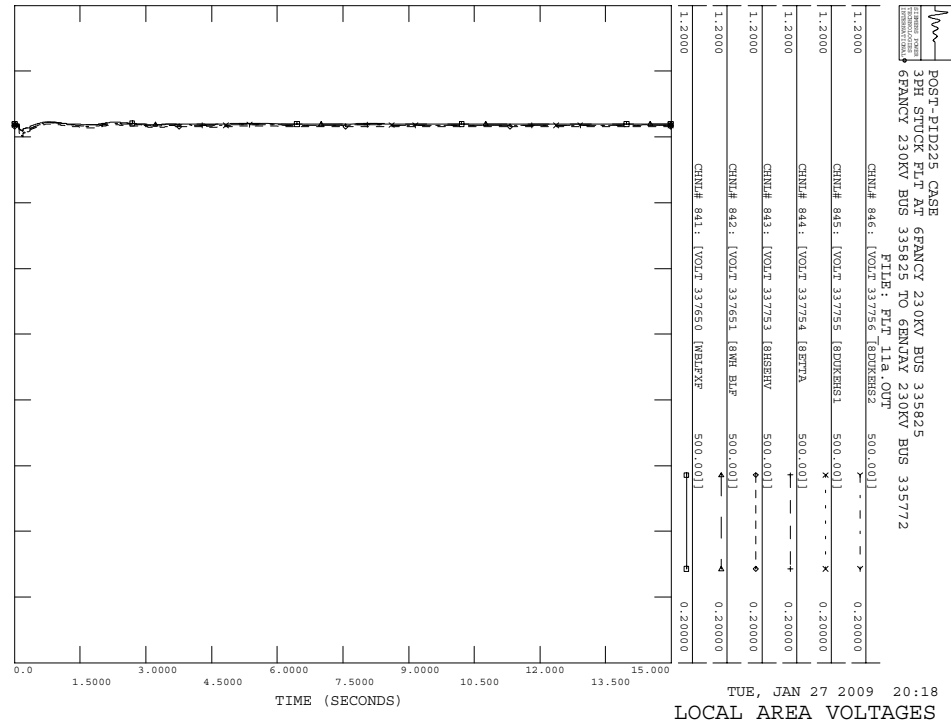
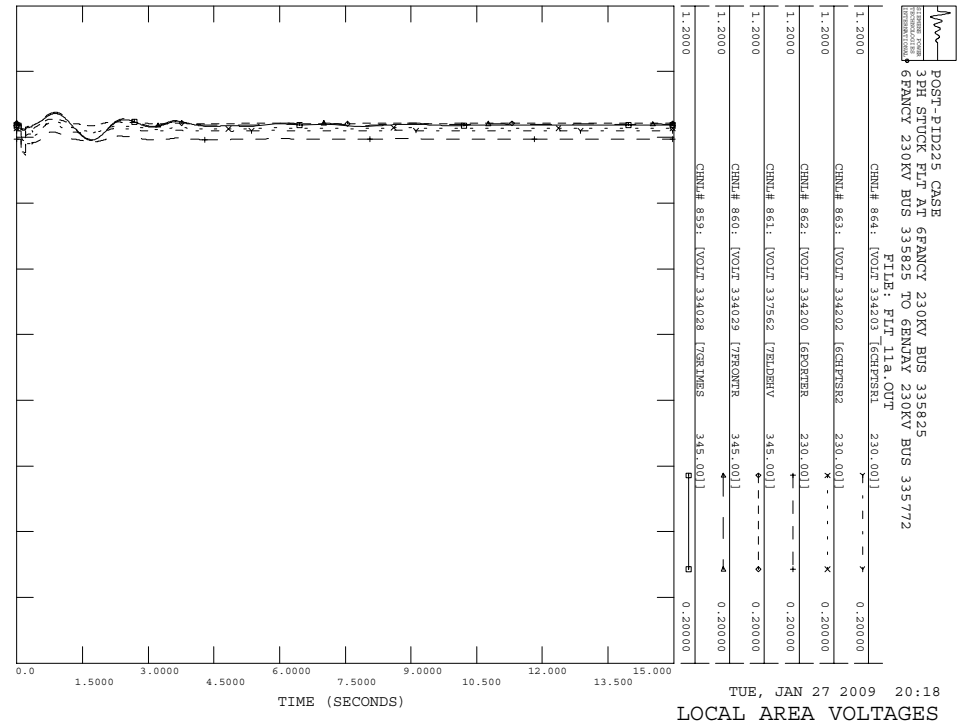
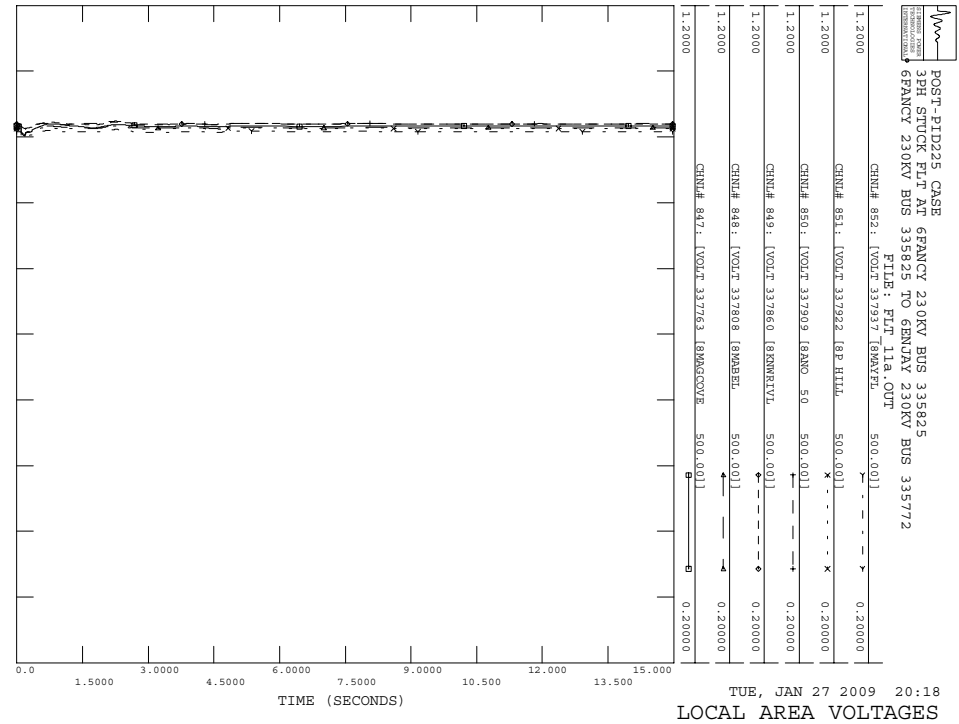


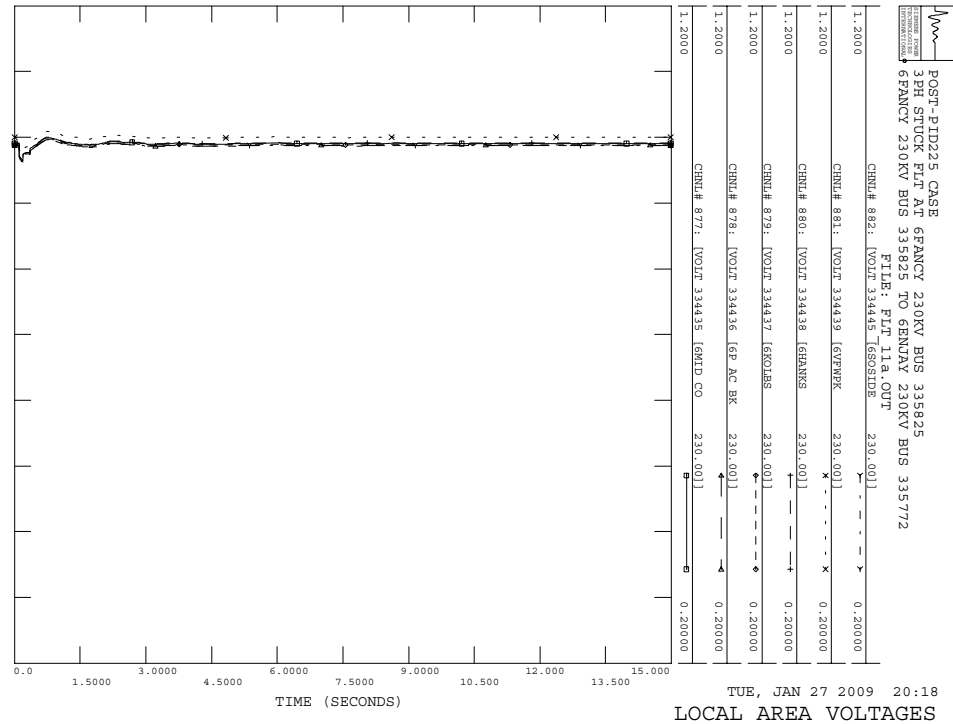
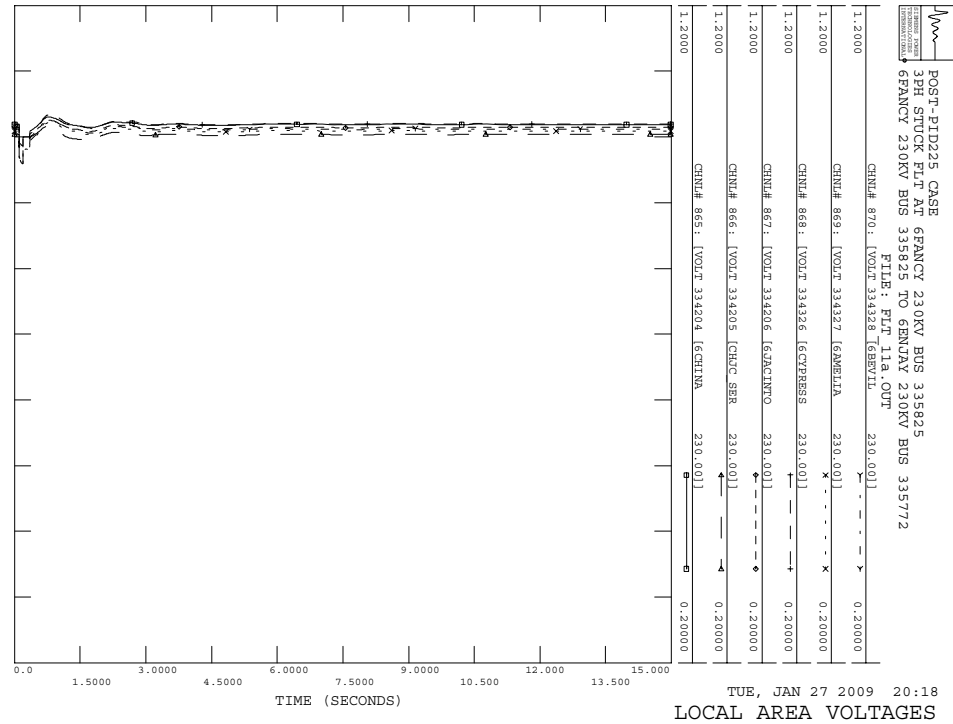
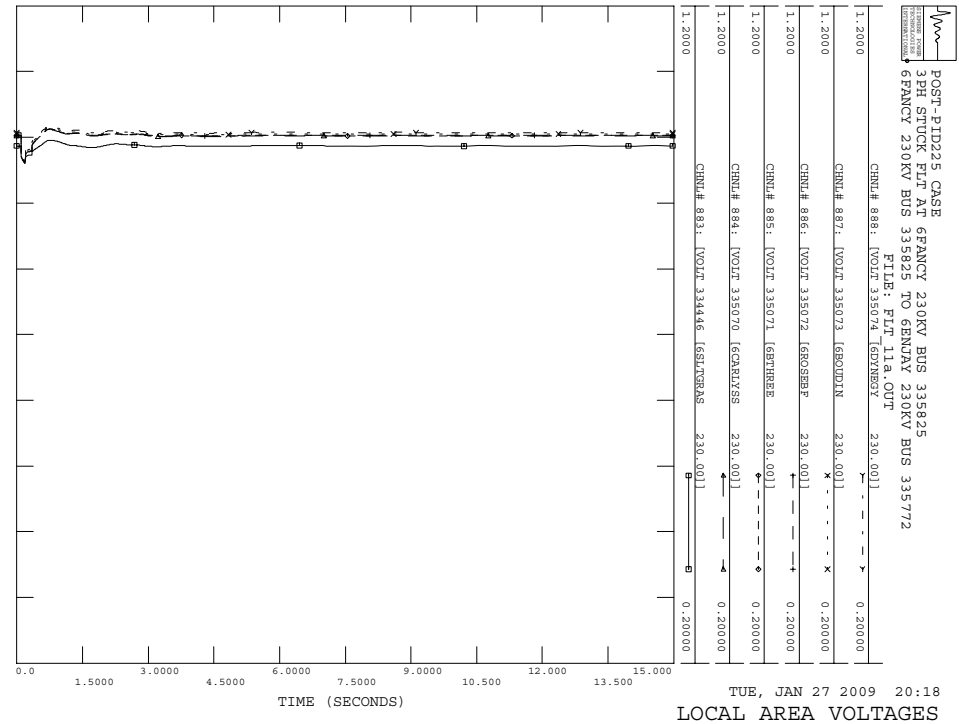
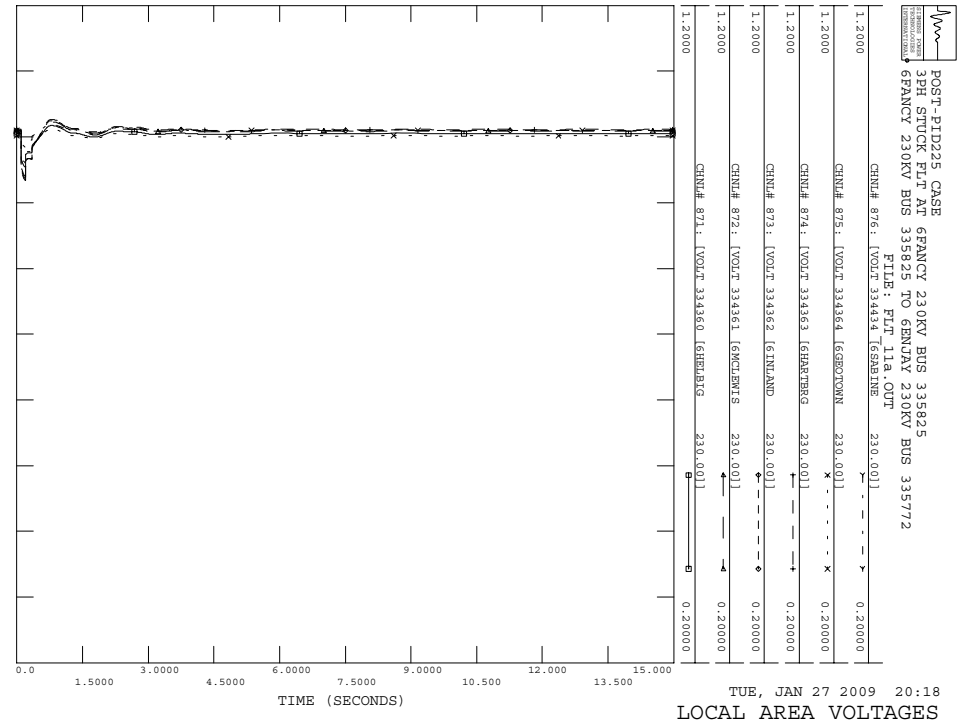
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11A.OUT

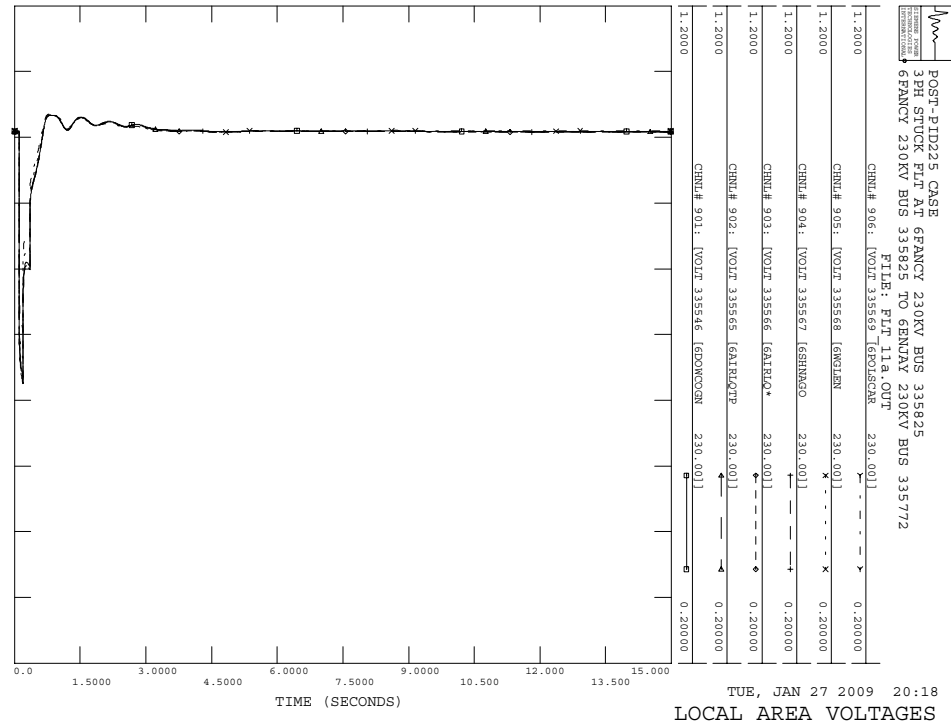
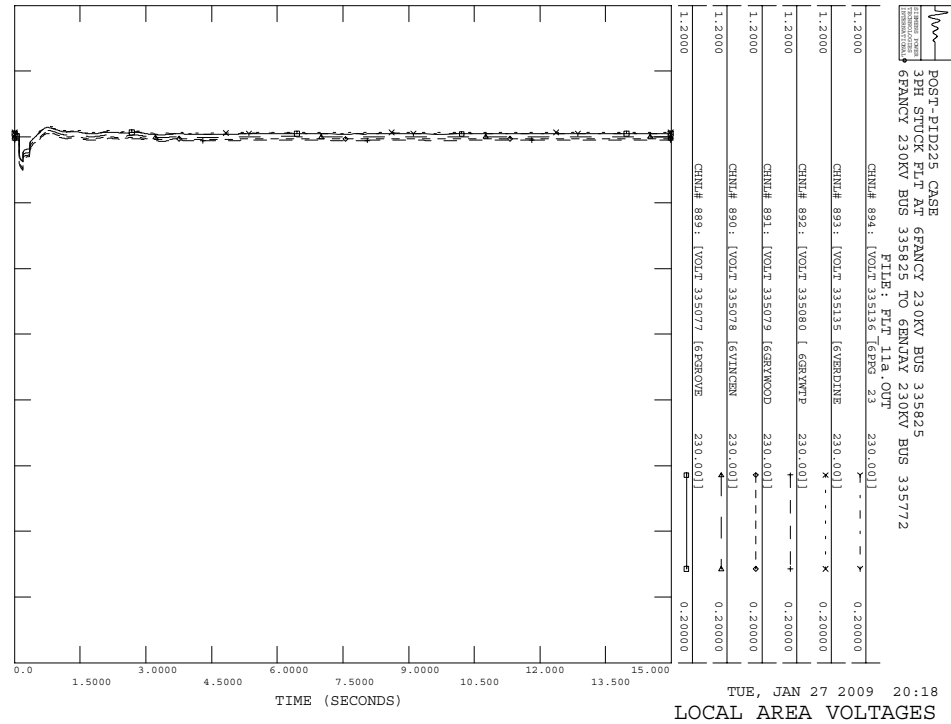
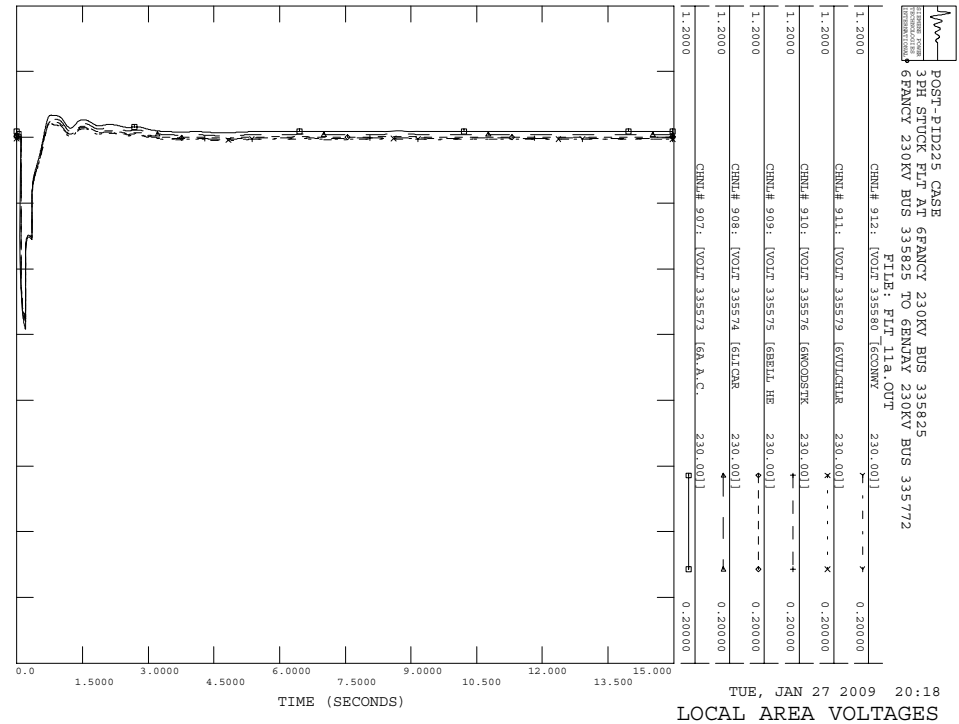
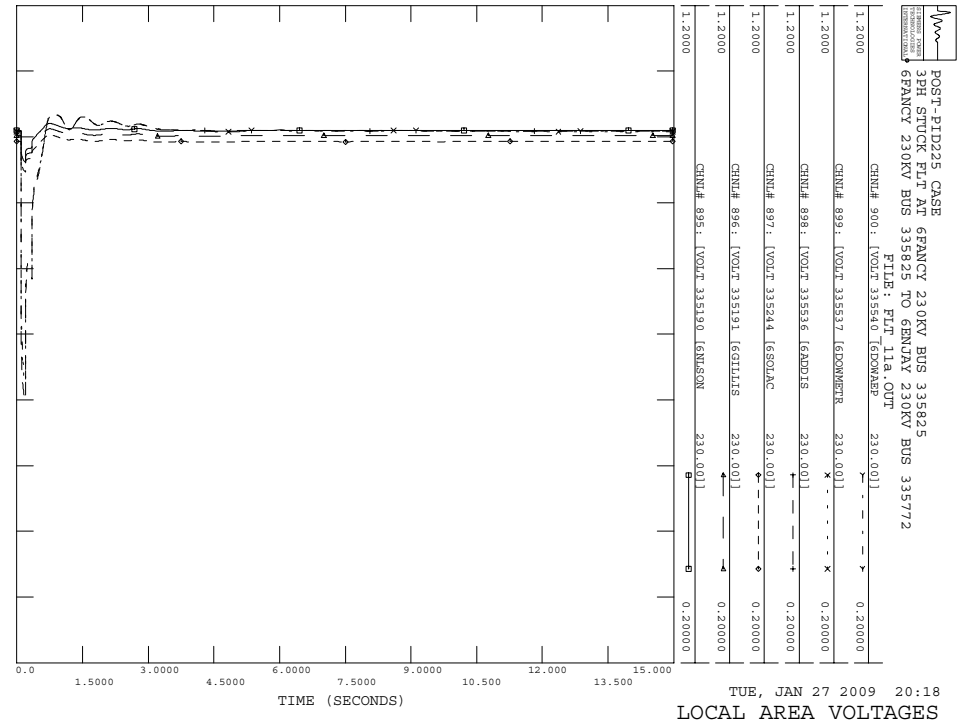


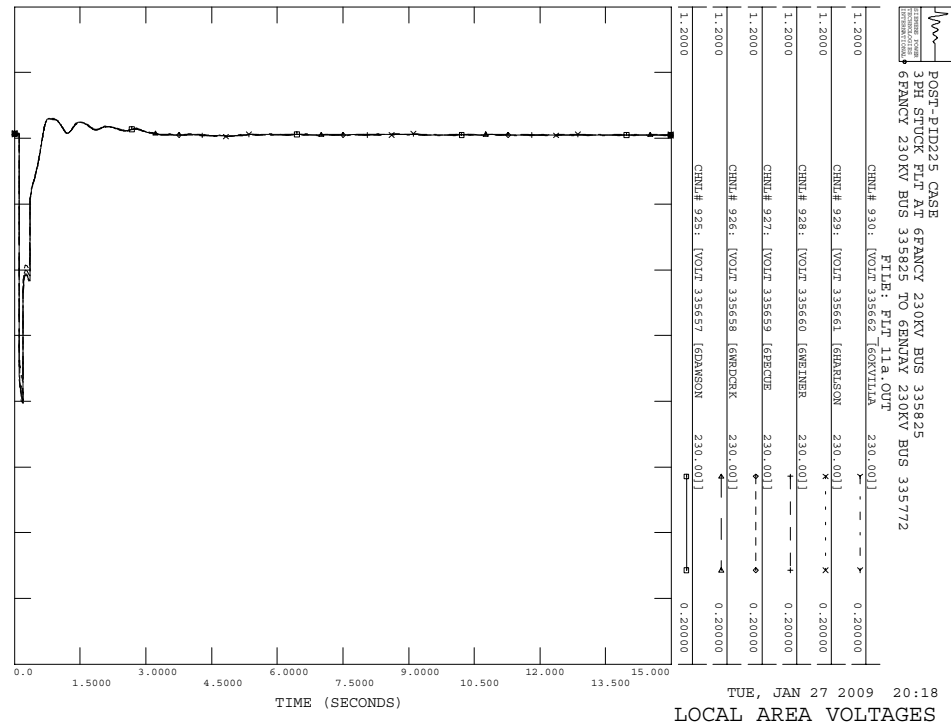
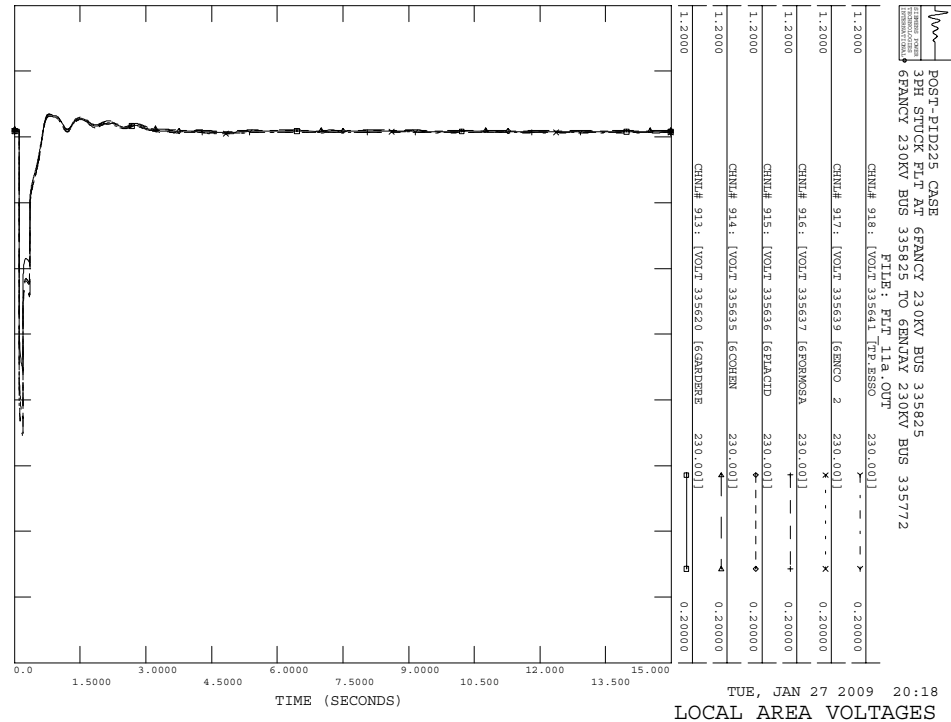
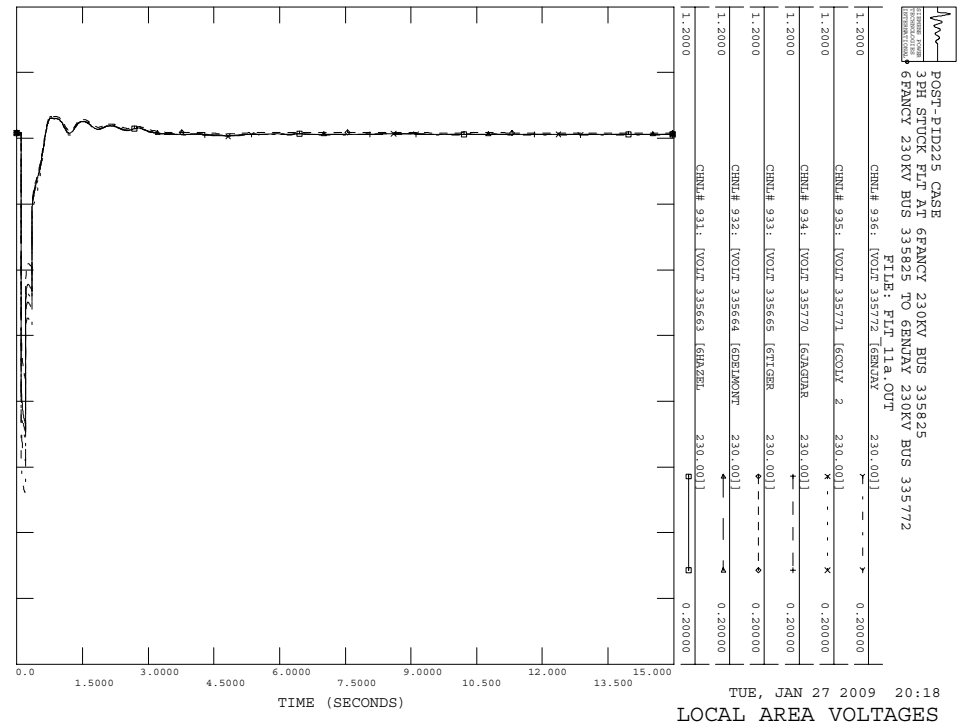
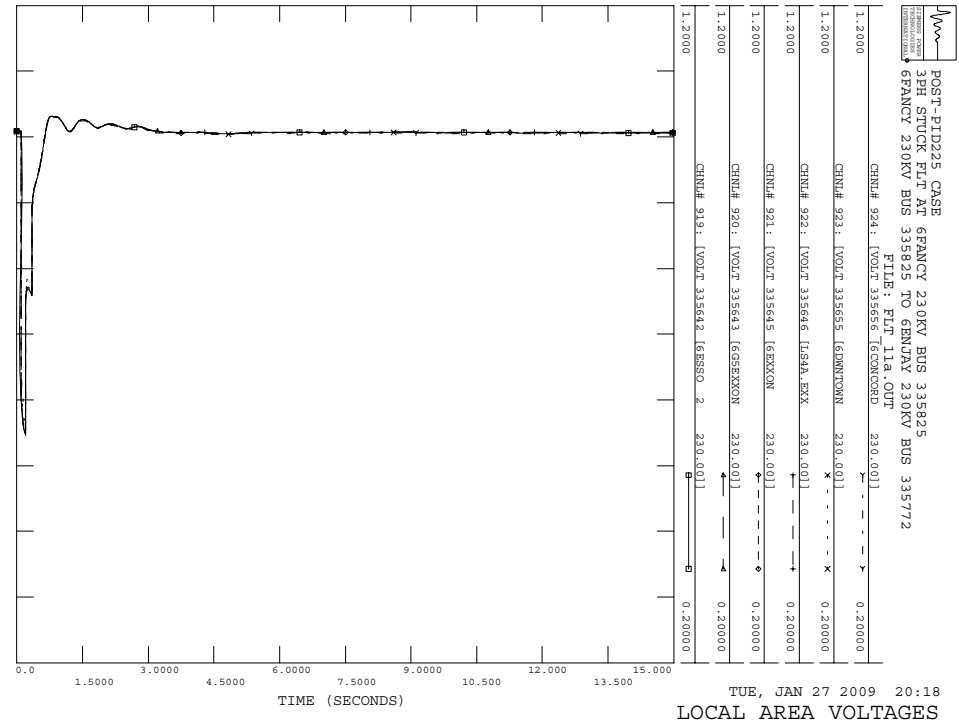




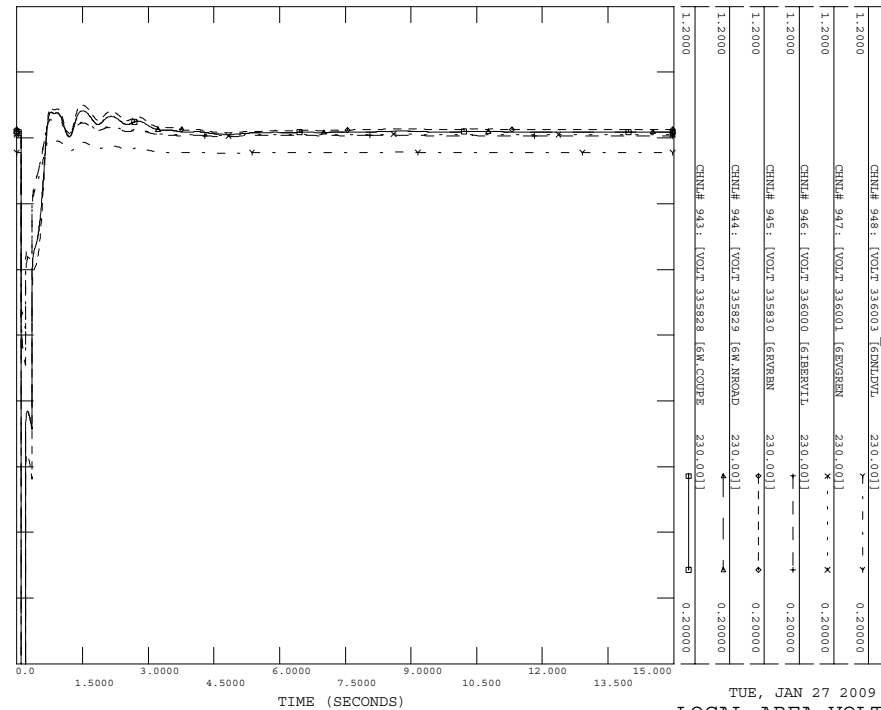




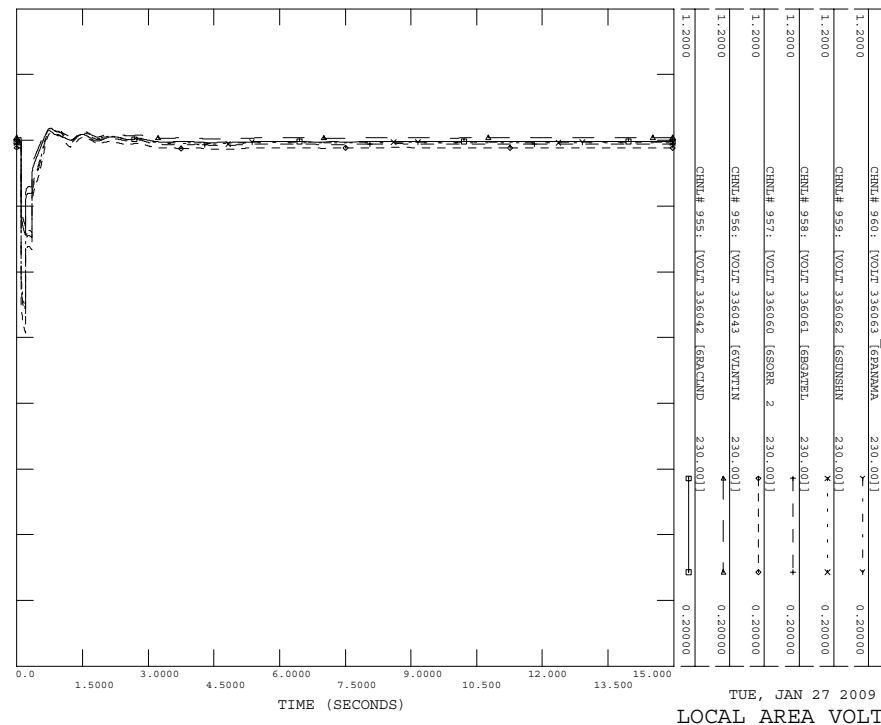




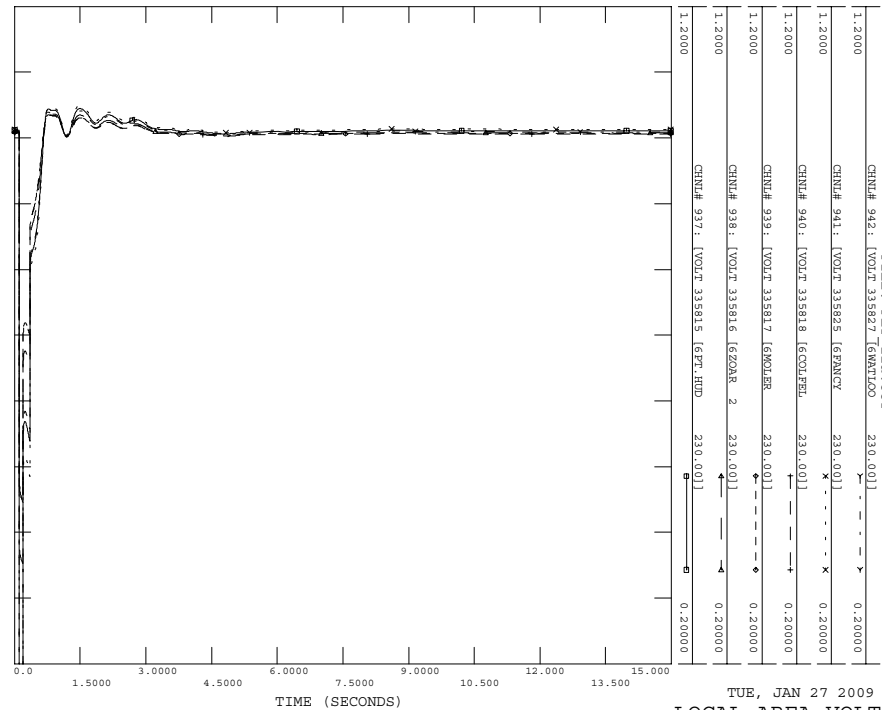
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT



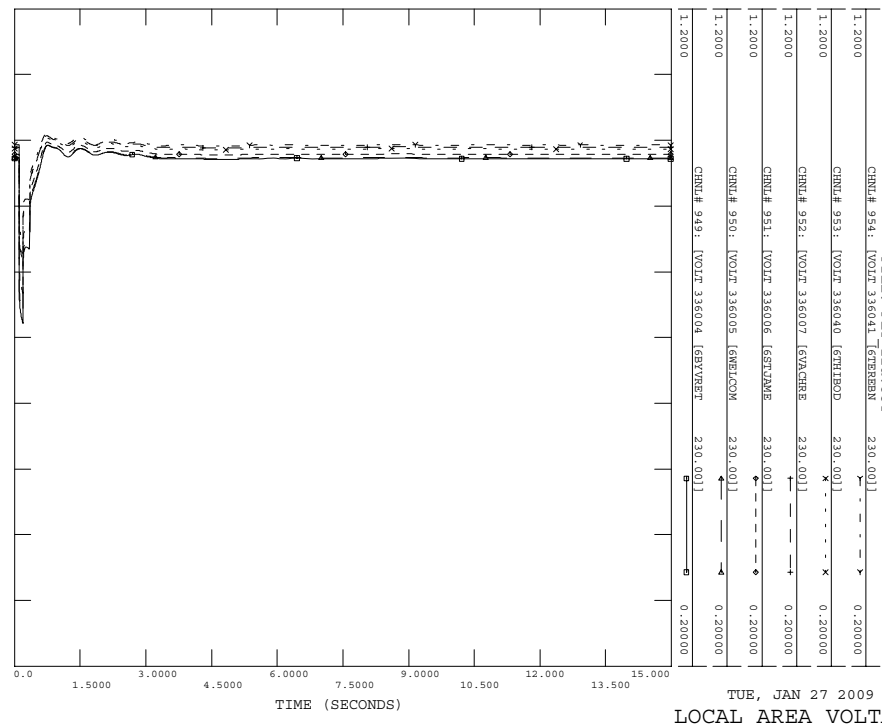
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT

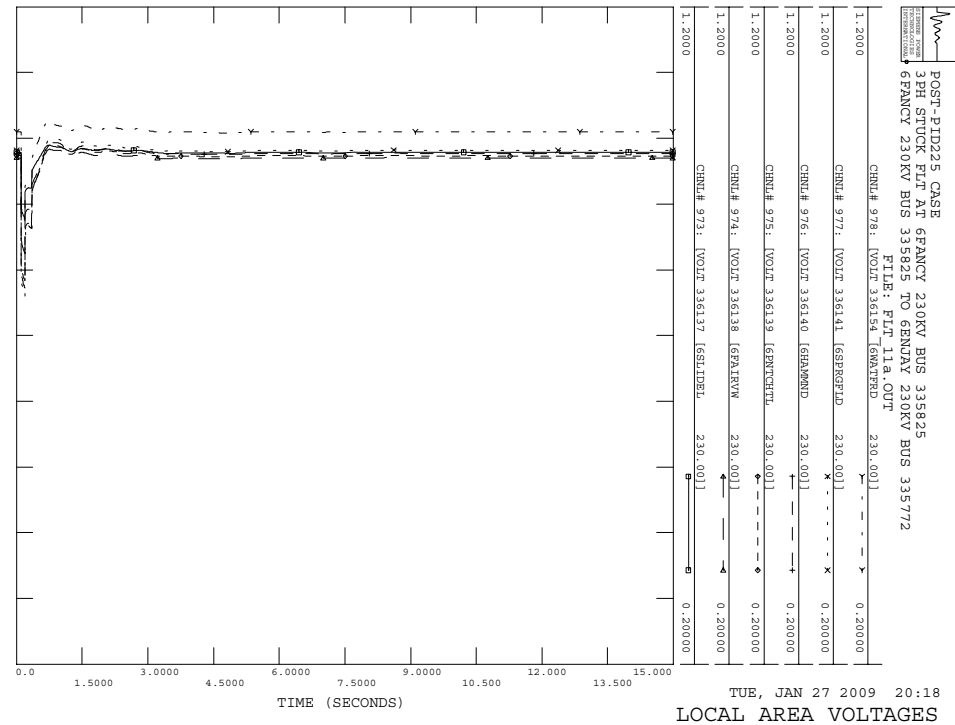
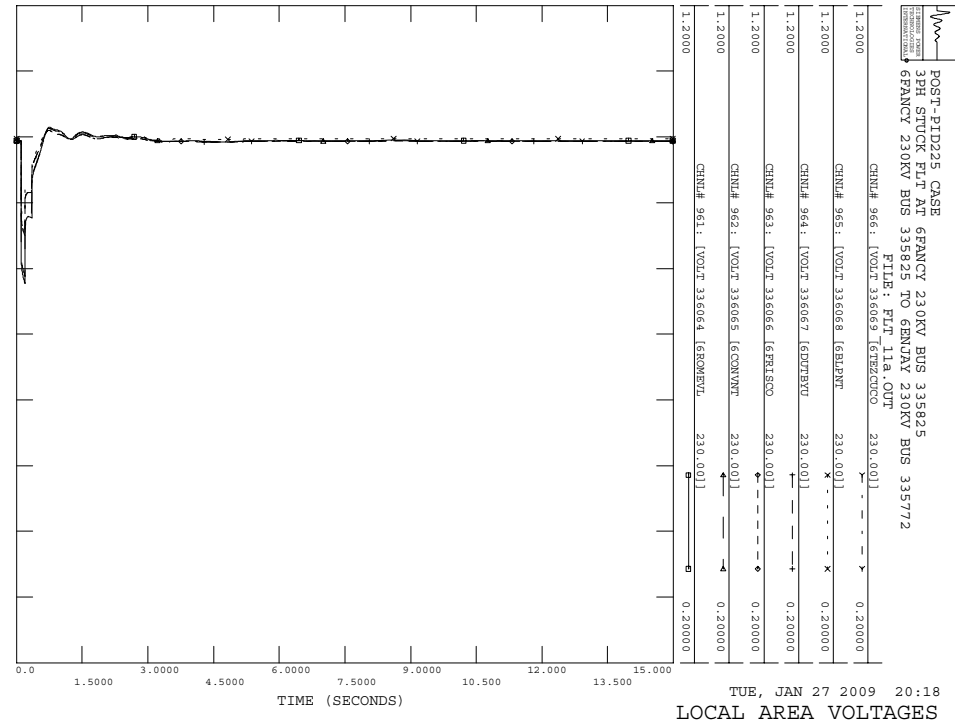
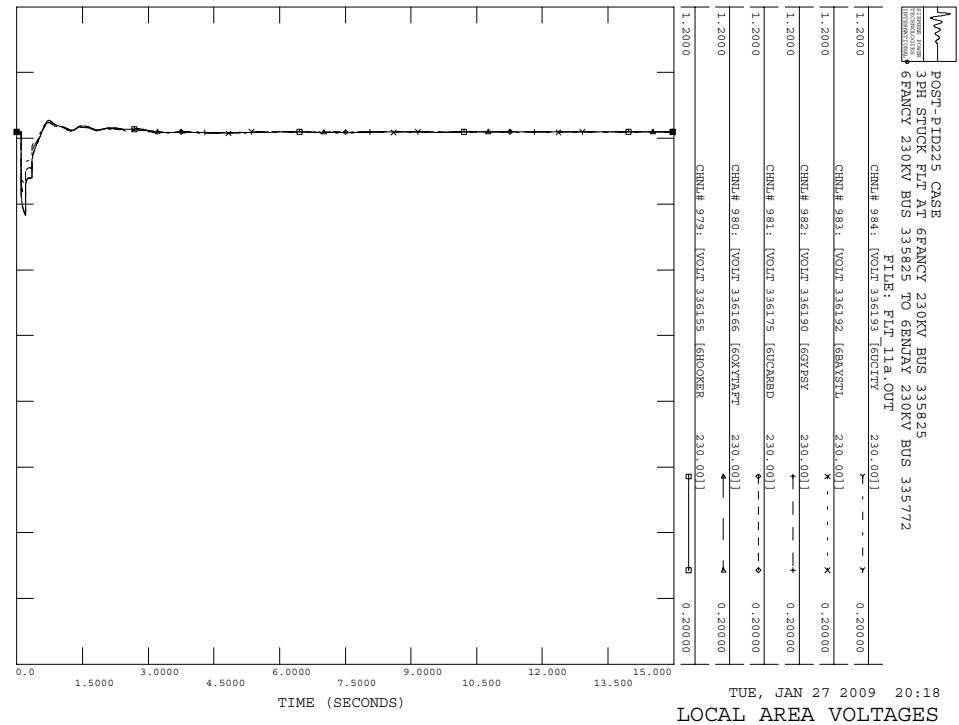
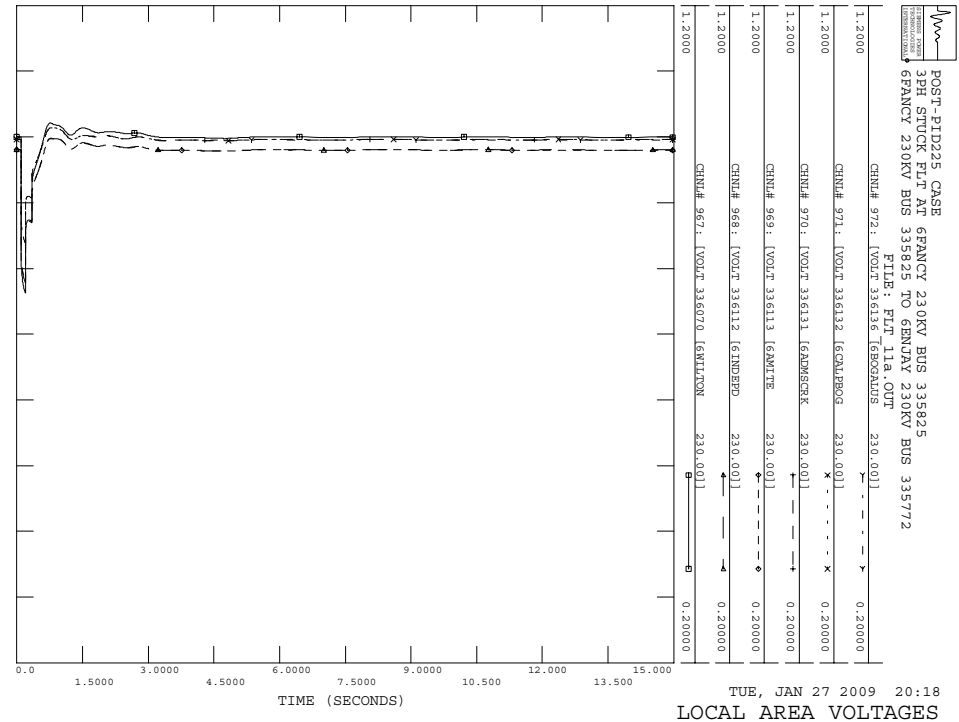


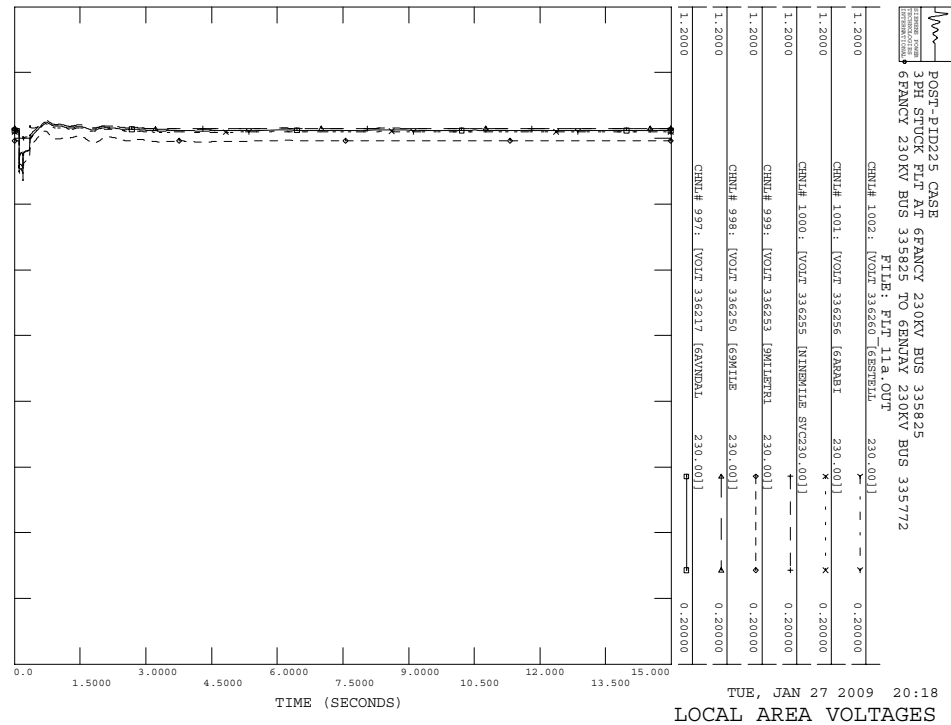
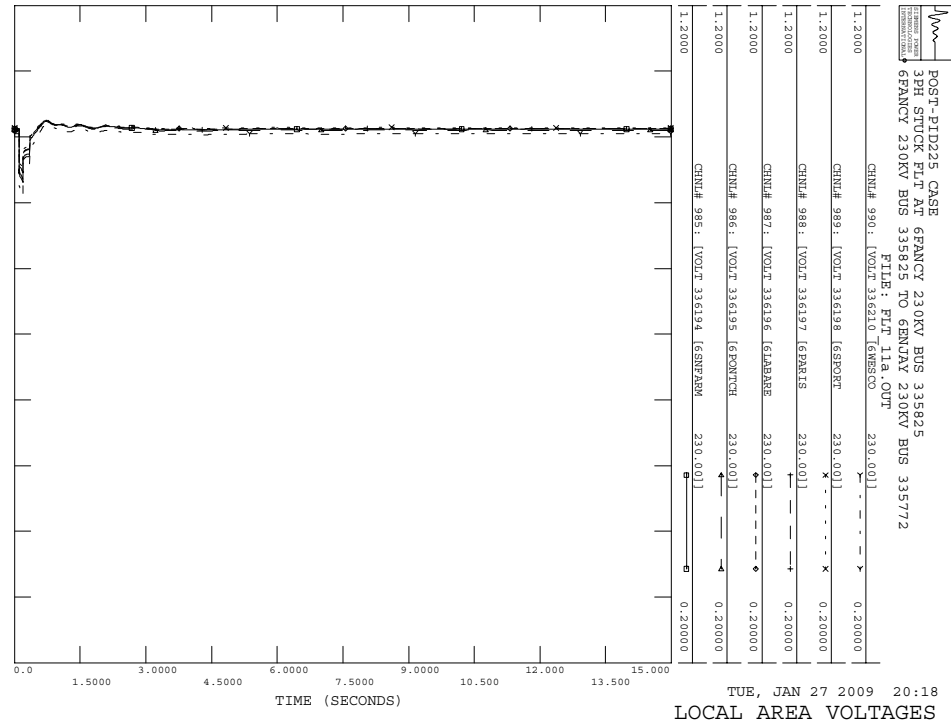
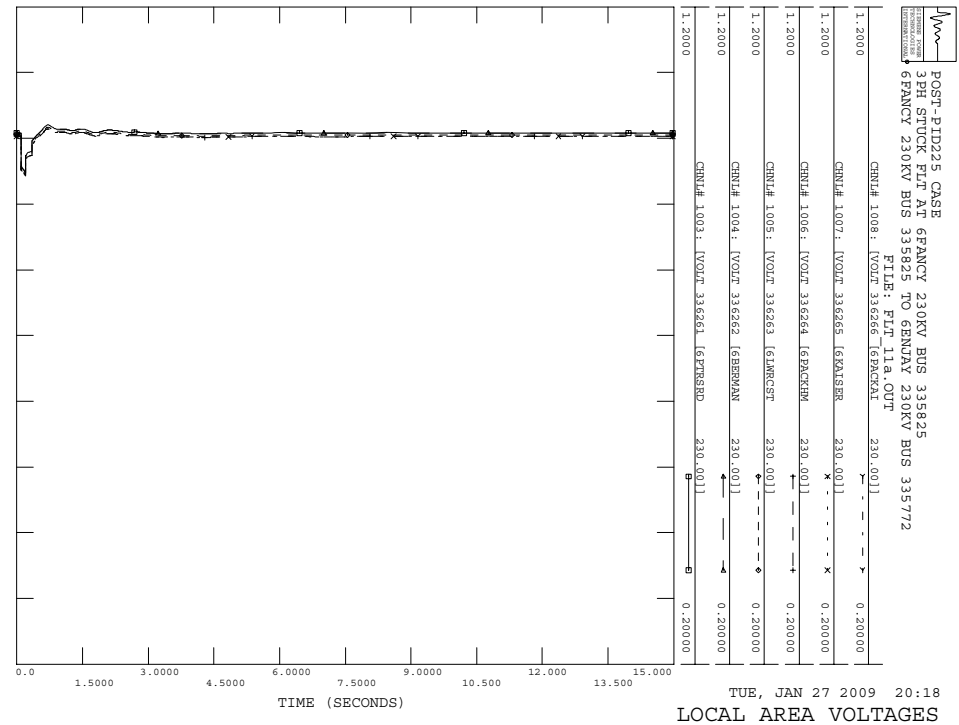
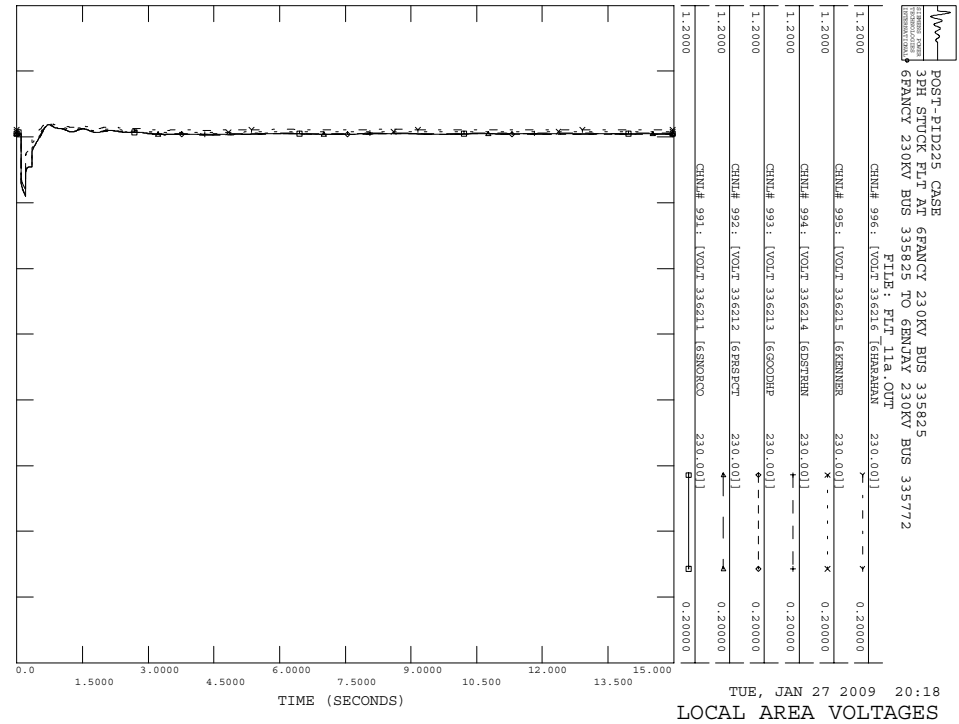
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT

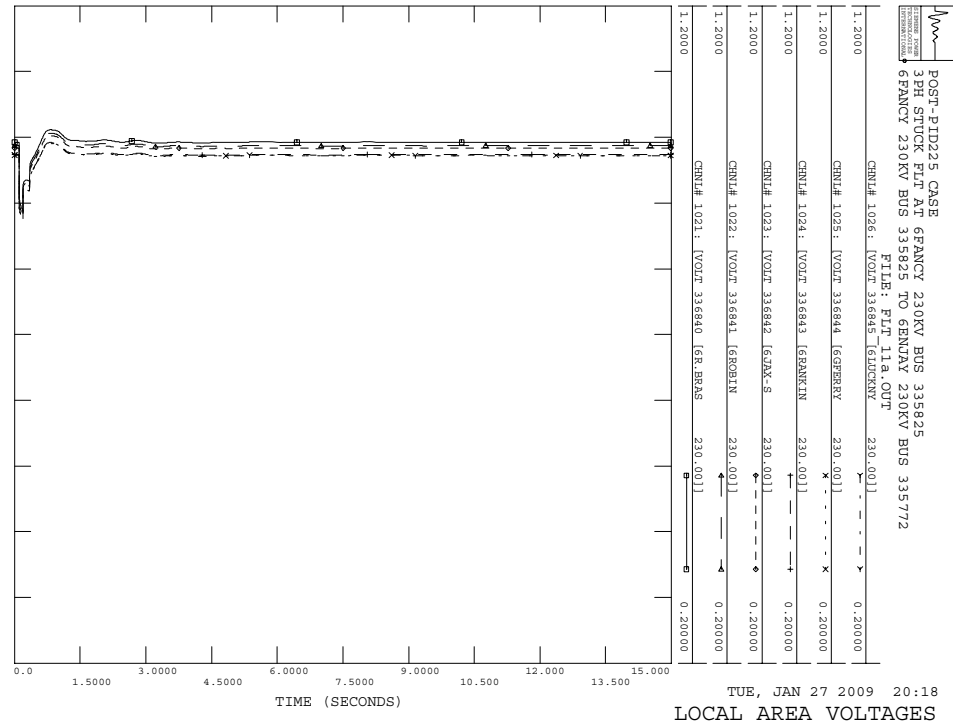
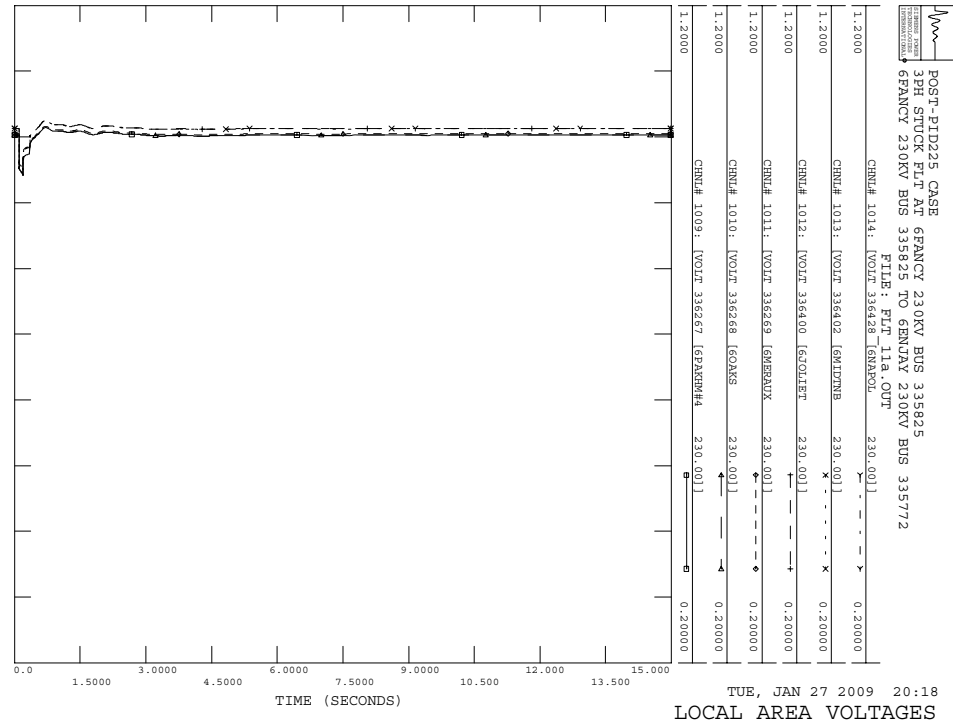
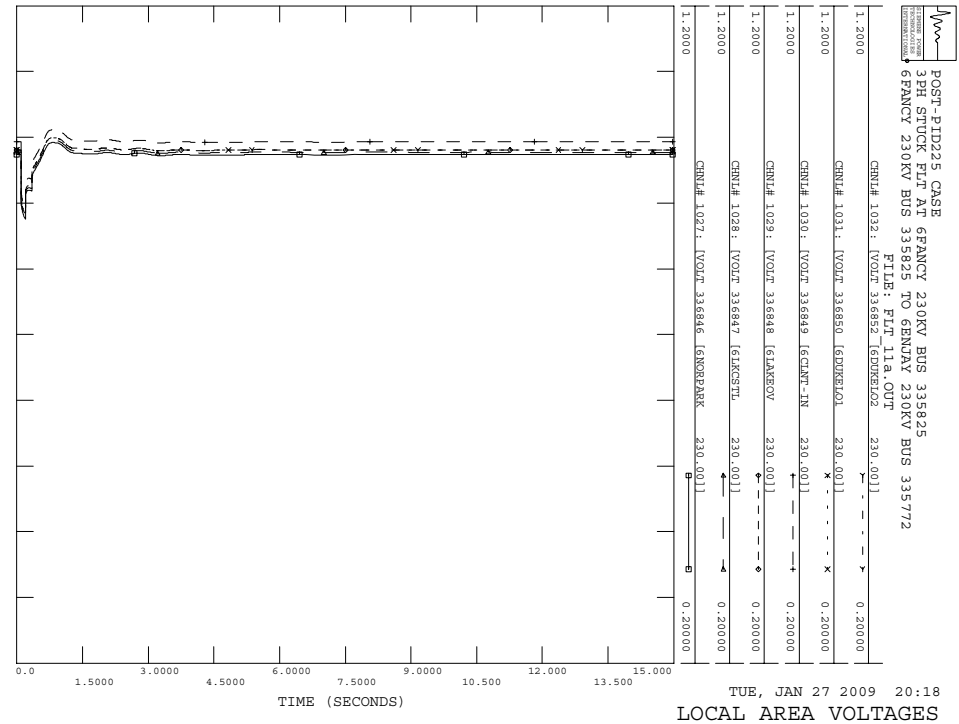
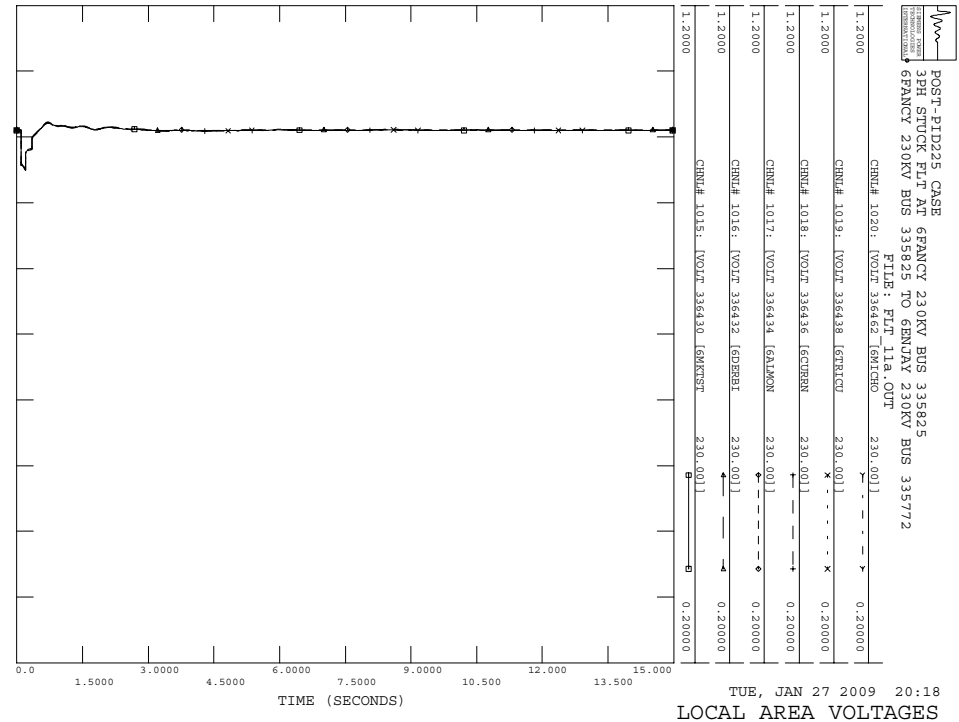


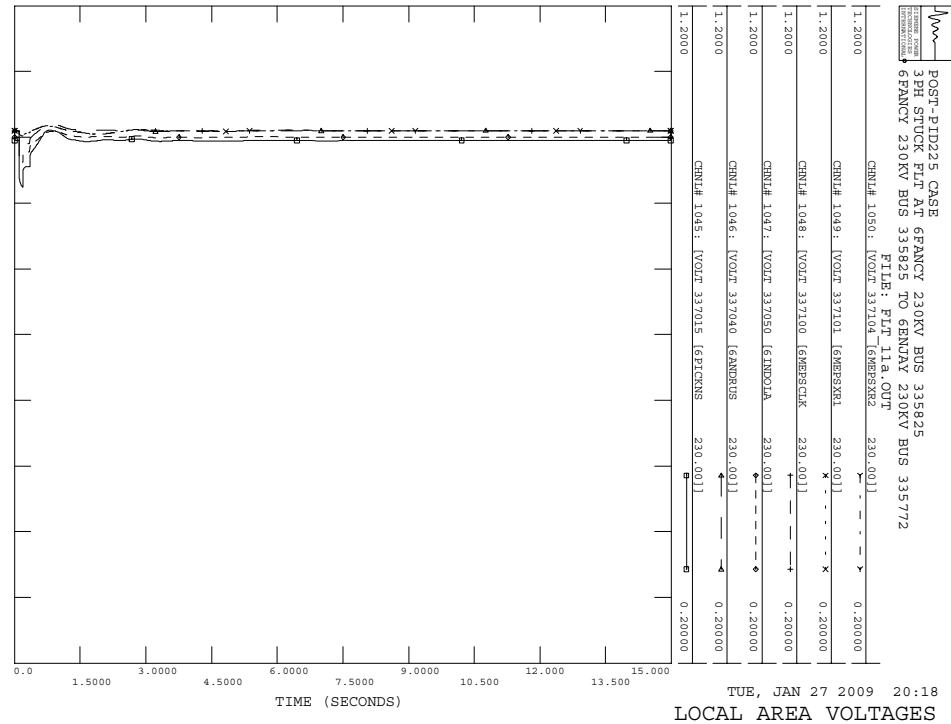
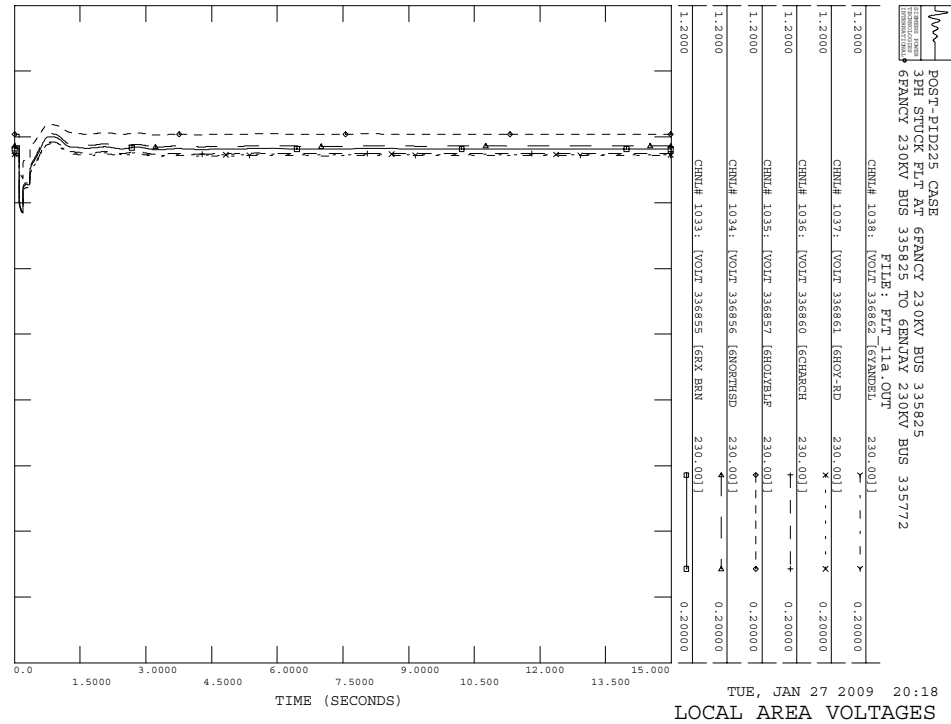
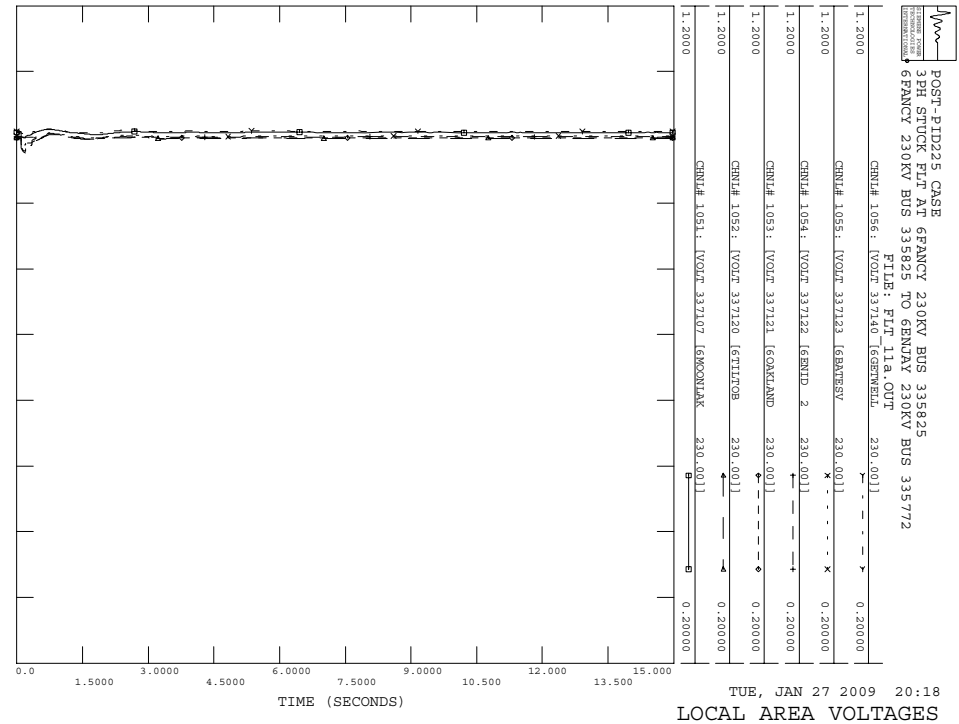
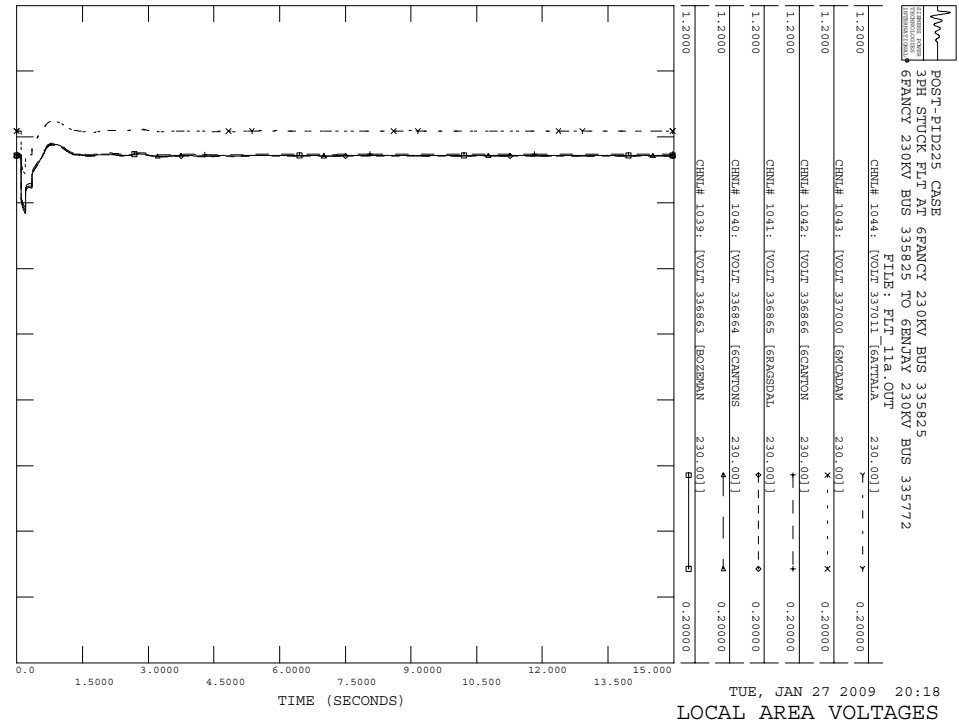
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6ENJAY 230KV BUS 335772
FILE: FLT_11a.OUT

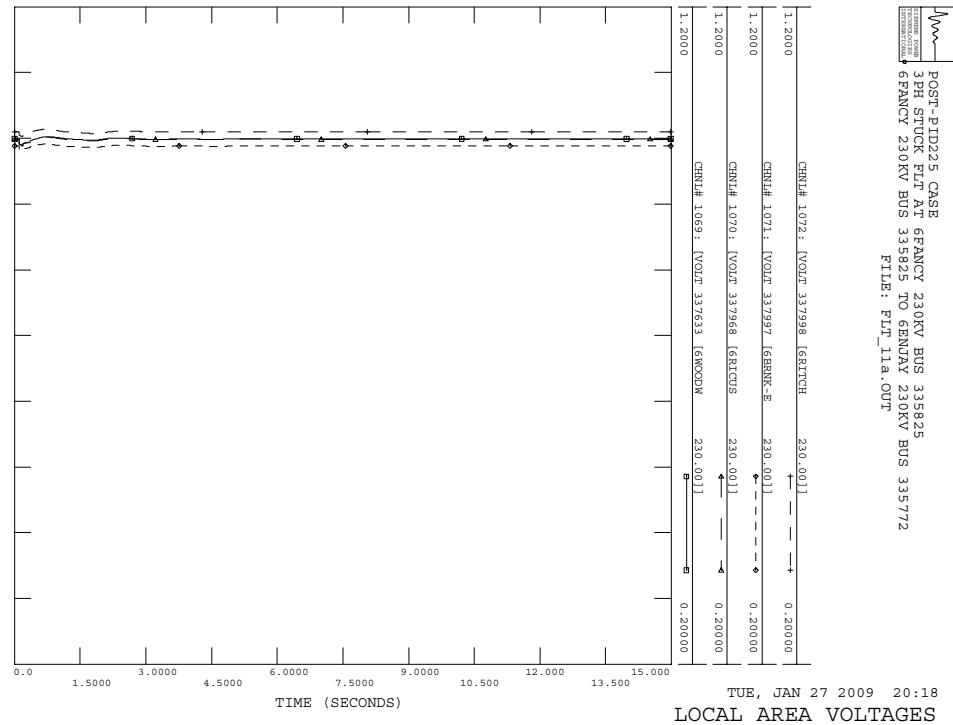
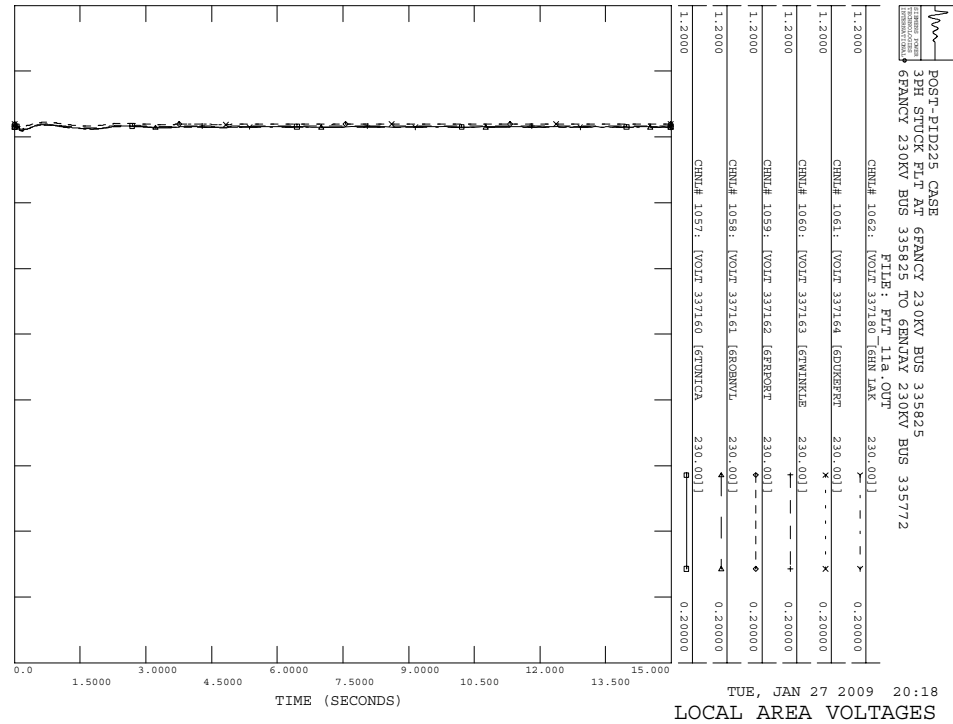
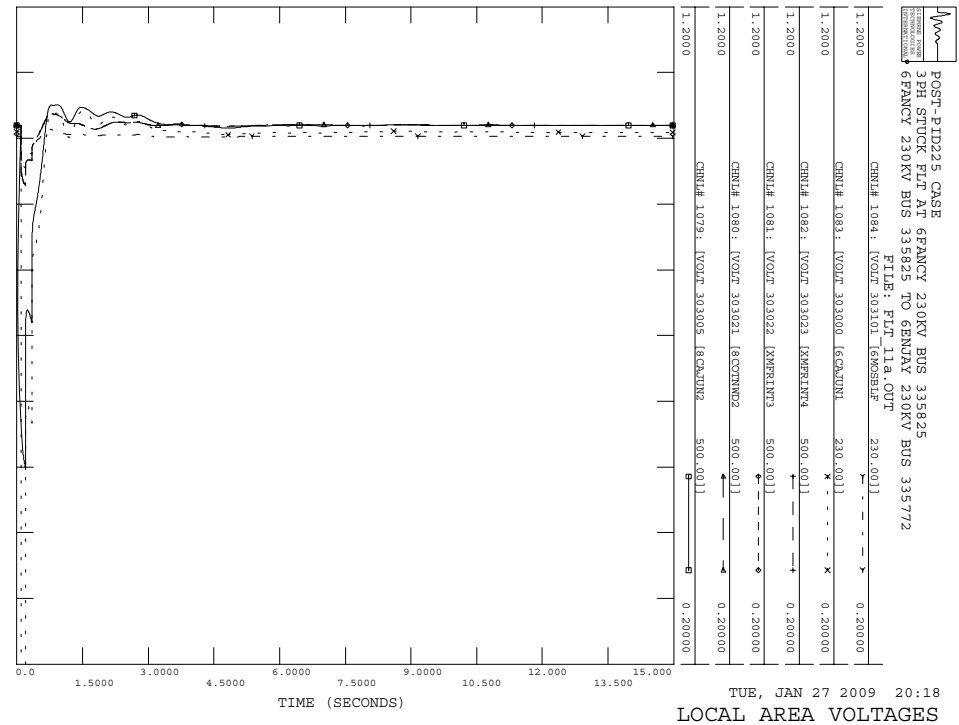
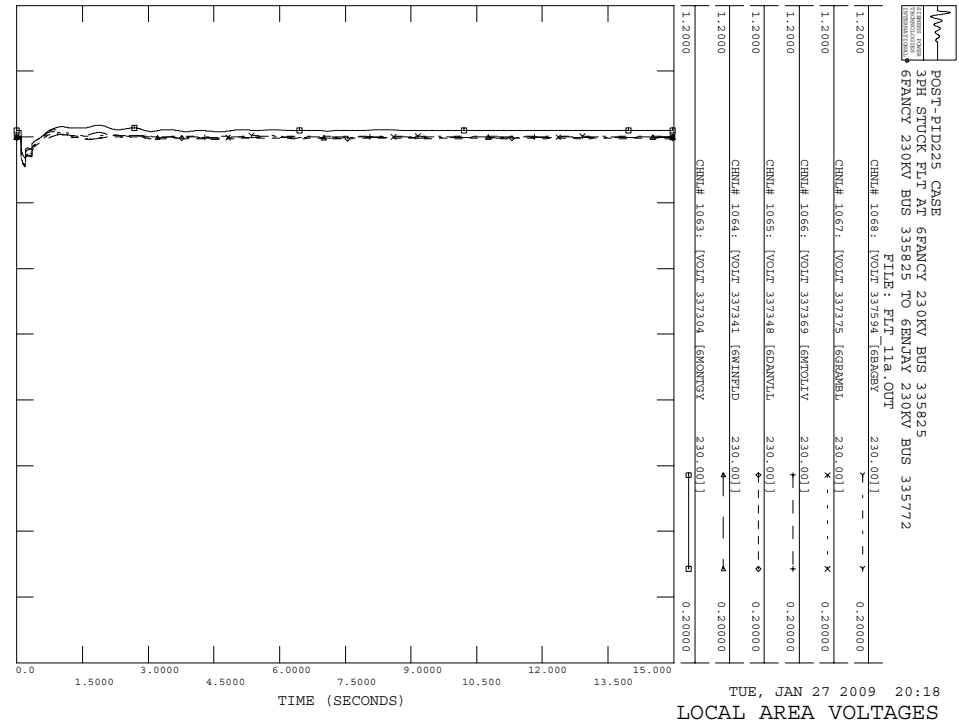


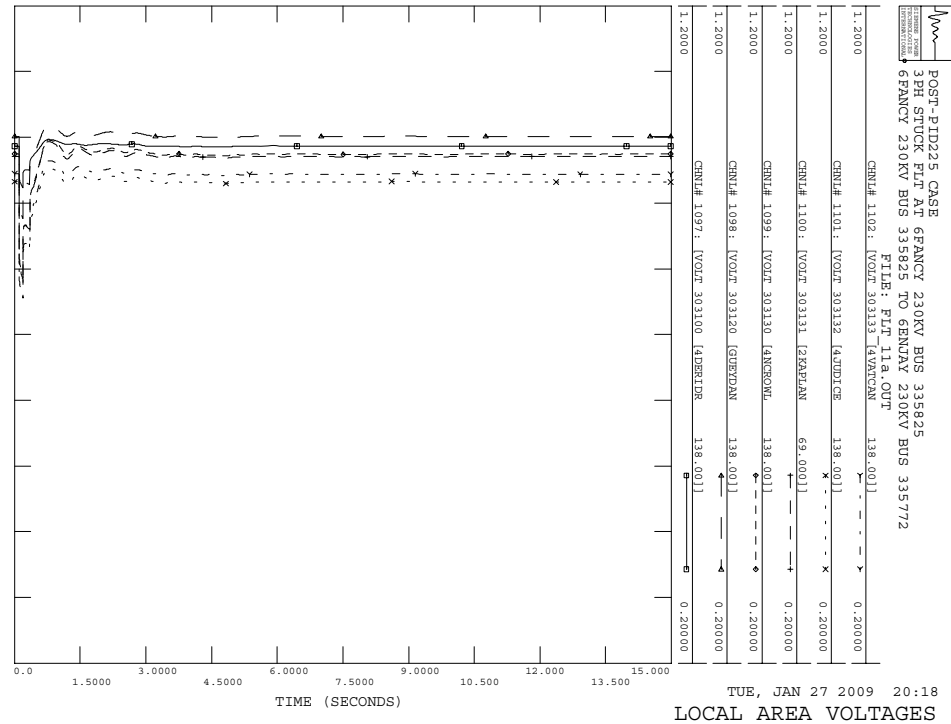
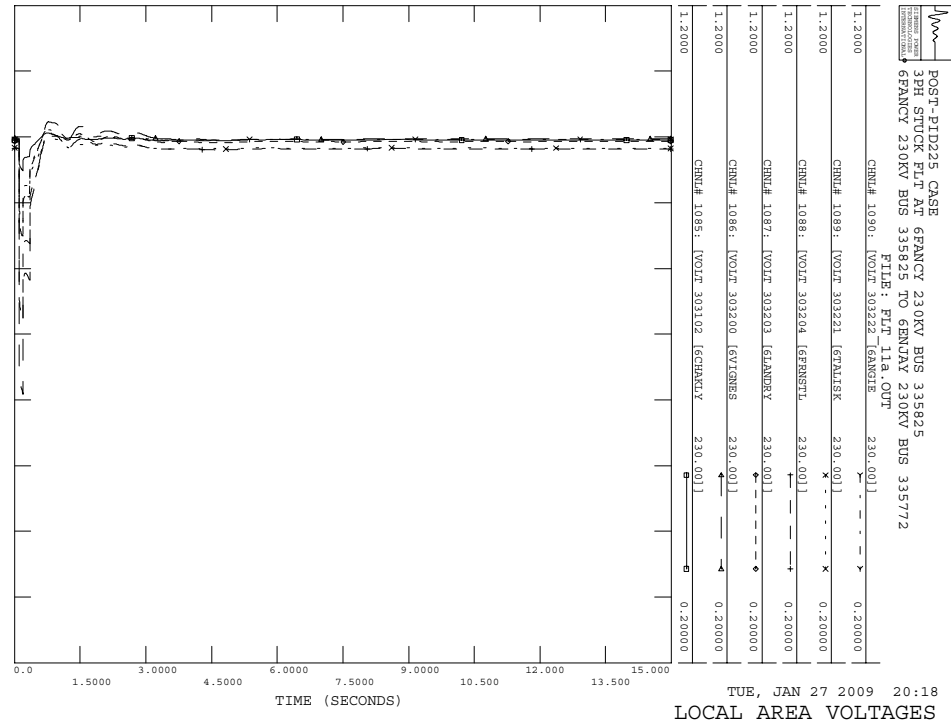
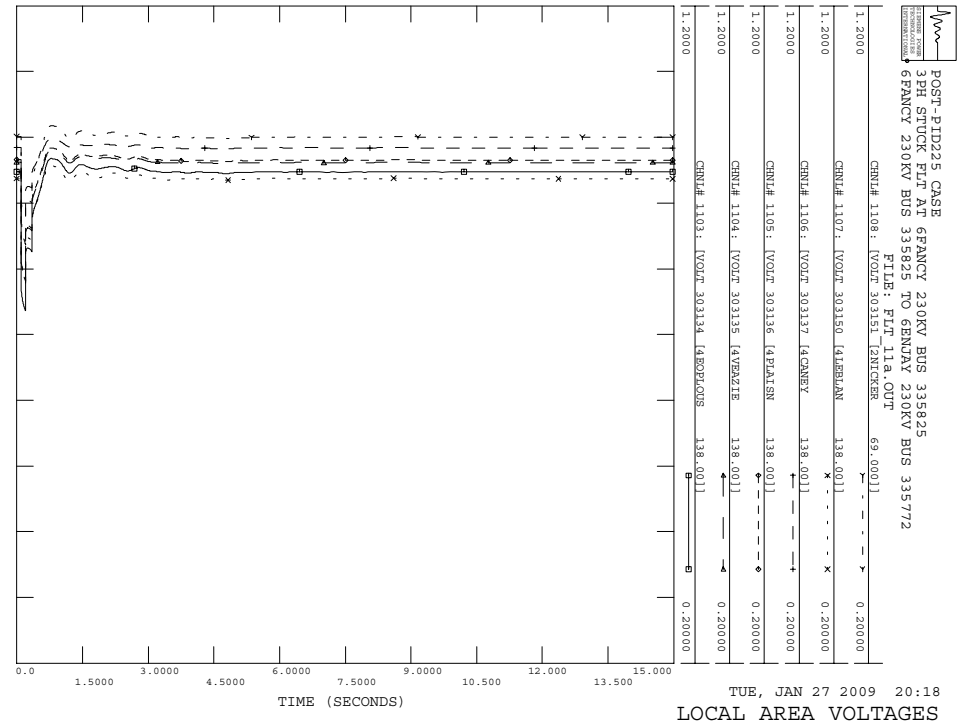
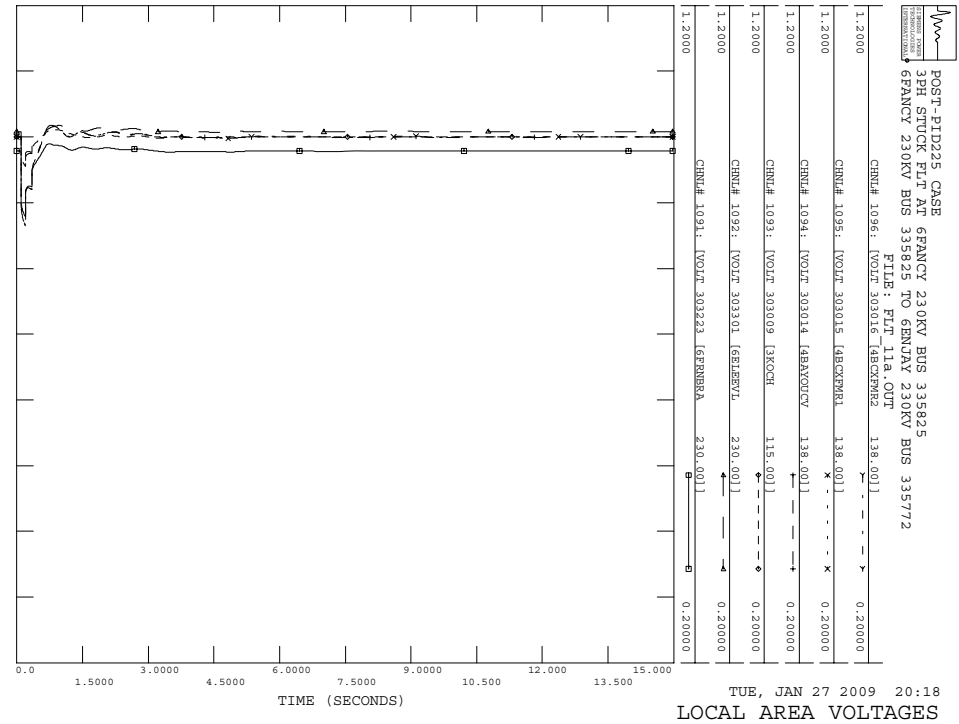


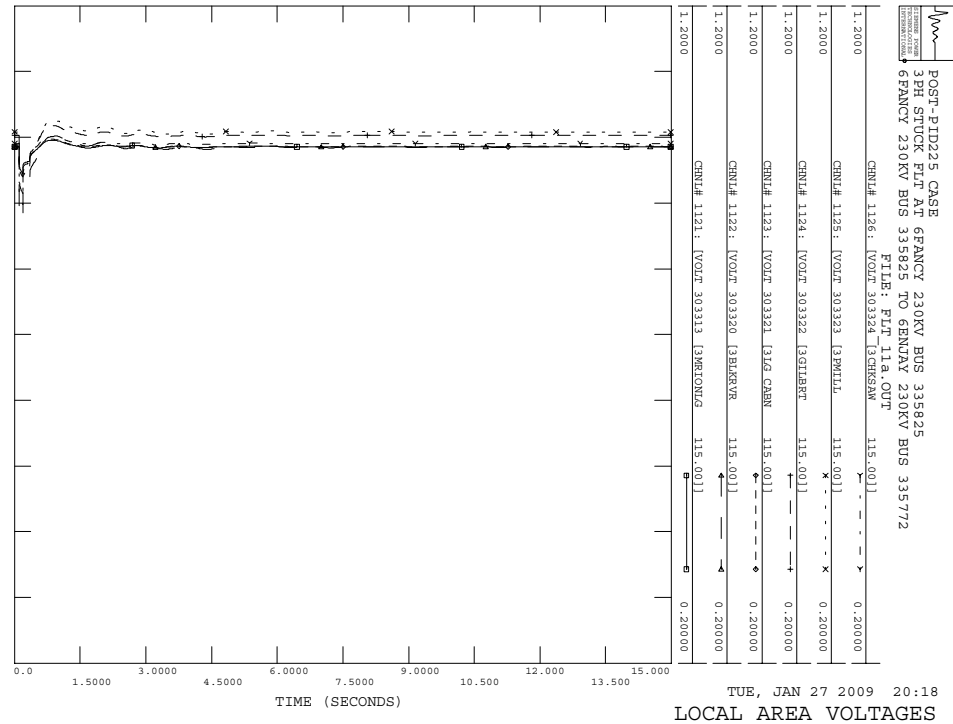
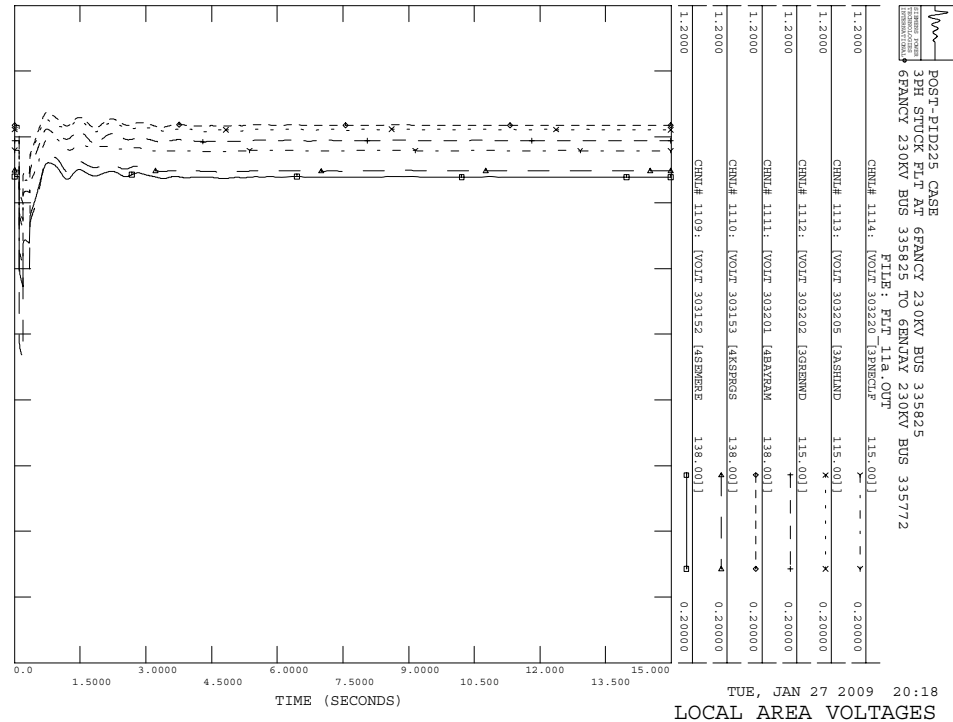
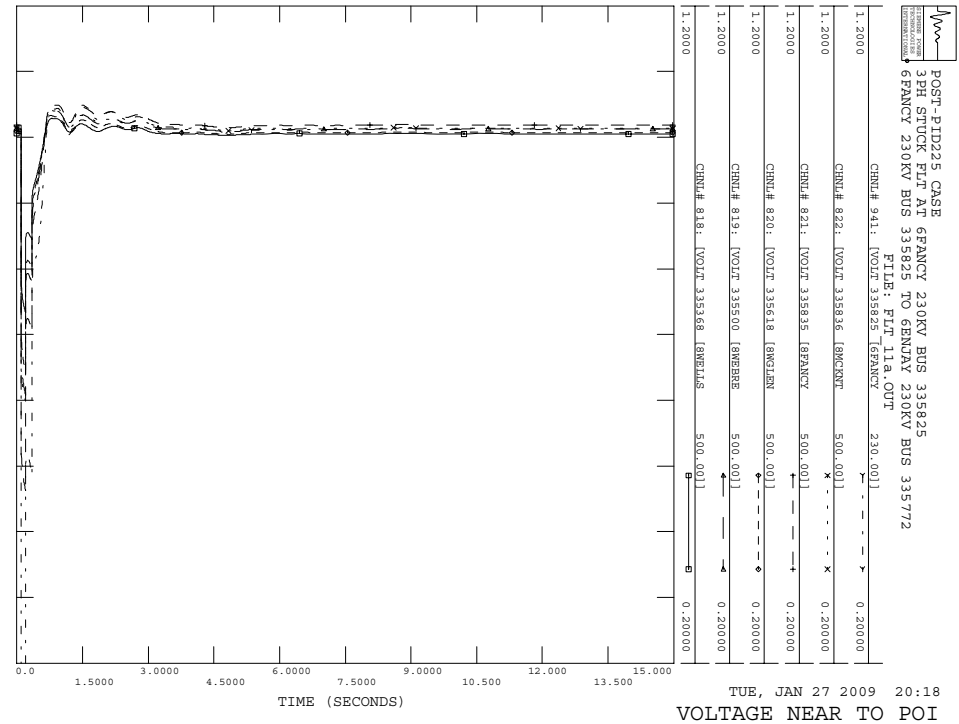
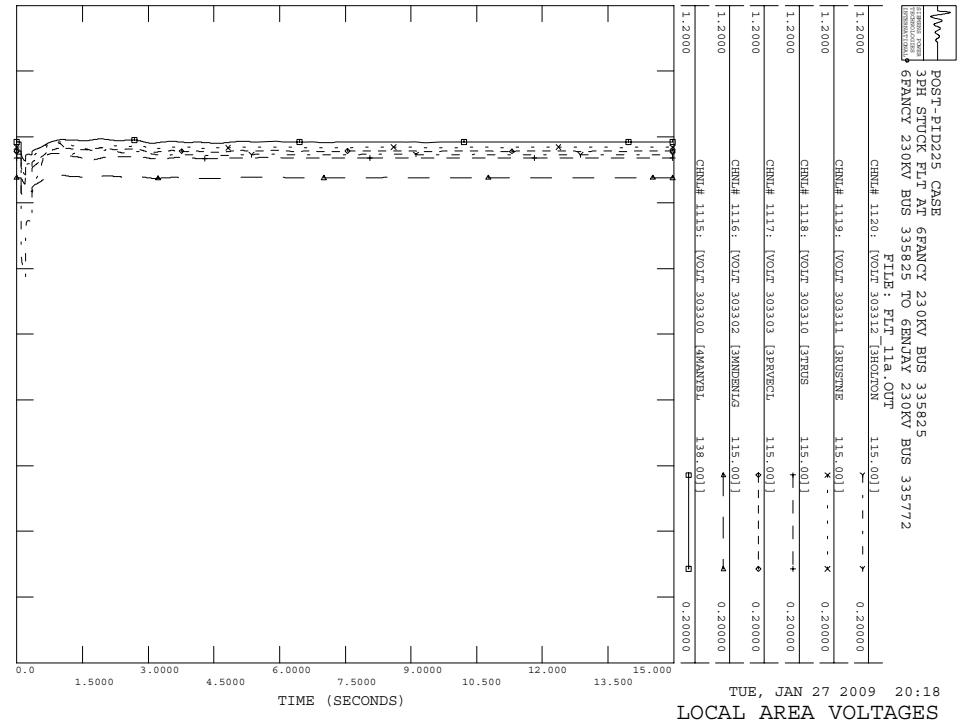




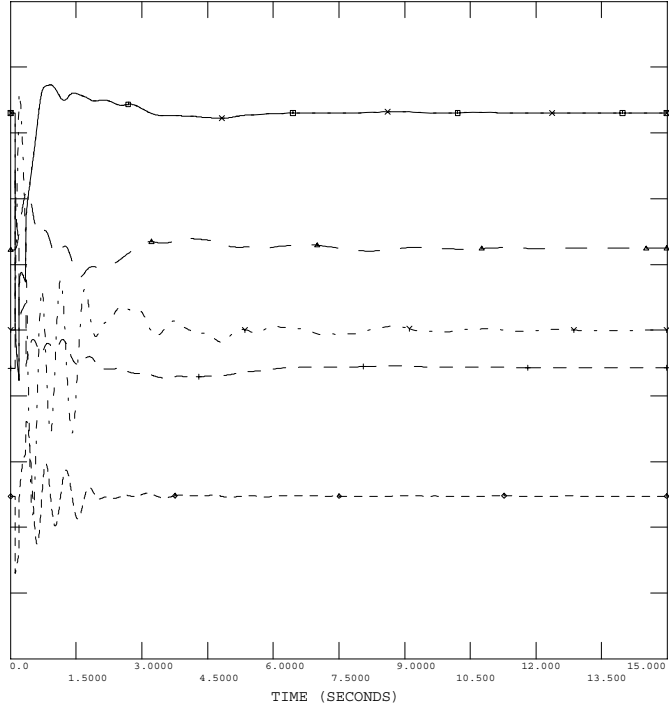
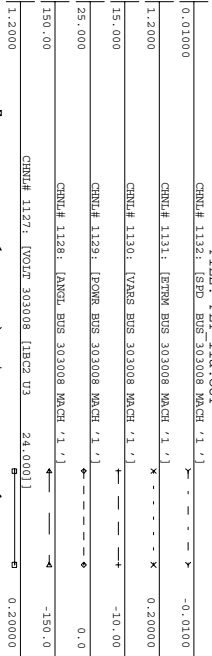








POST-PID225 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
68PANCY 230KV BUS 335825 TO 68PANCY 230KV BUS 335772
FILE: FLT_11A.OUT

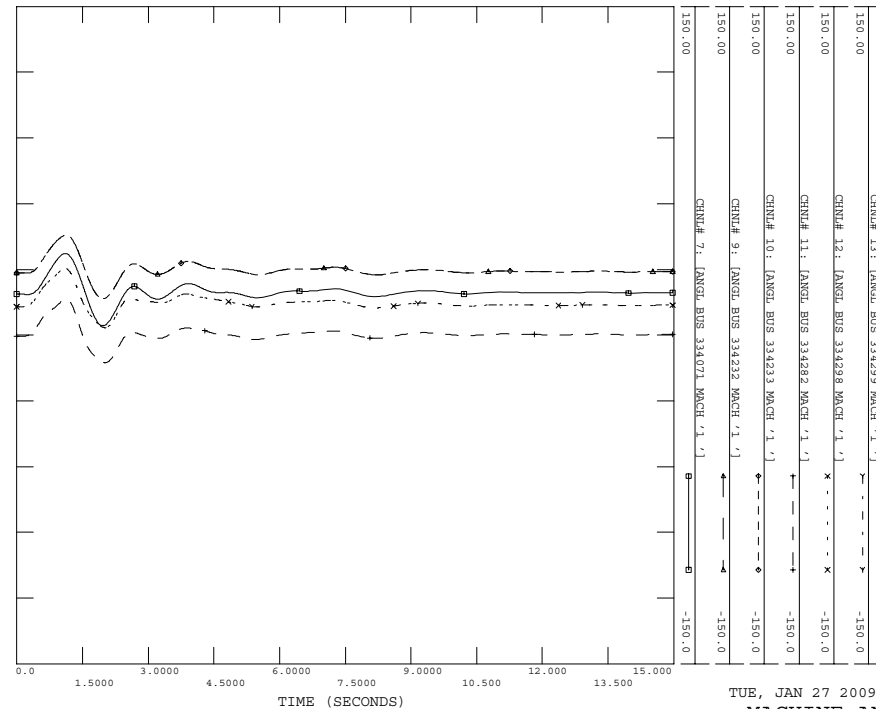


C.20 FLT_12a

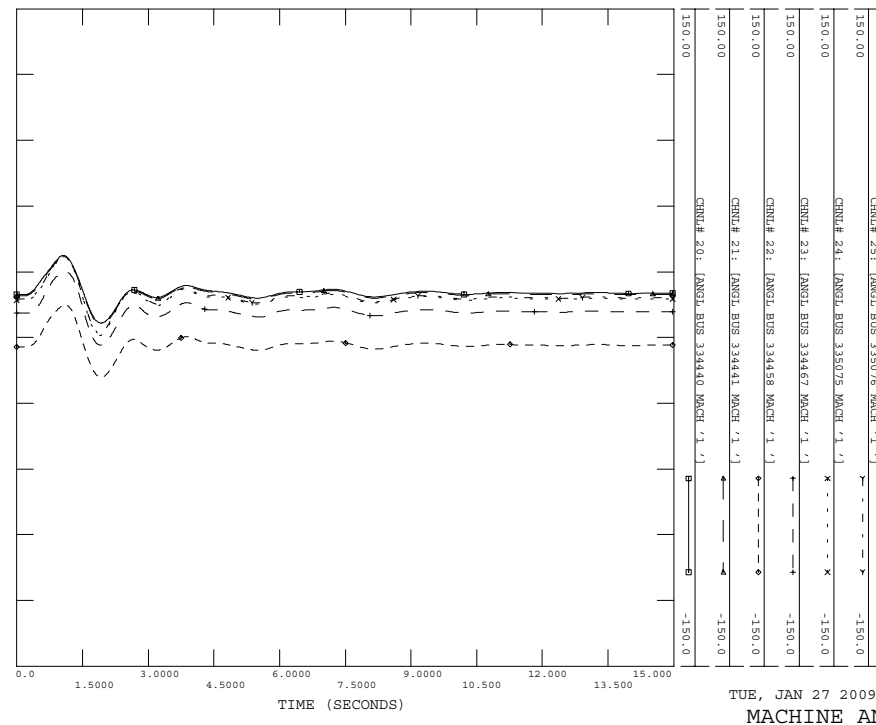
Stuck breaker fault on the 6FANCY (#335825) to 8FANCY (#335835) branch, near the 6FANCY.

- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping branch from 6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 8FANCY 500KV BUS 335835

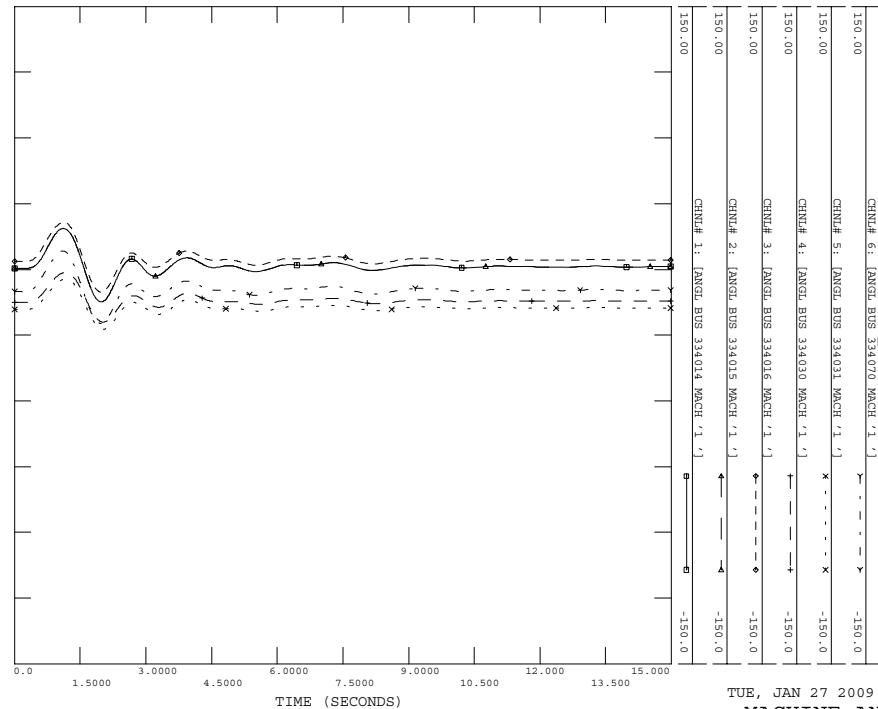
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



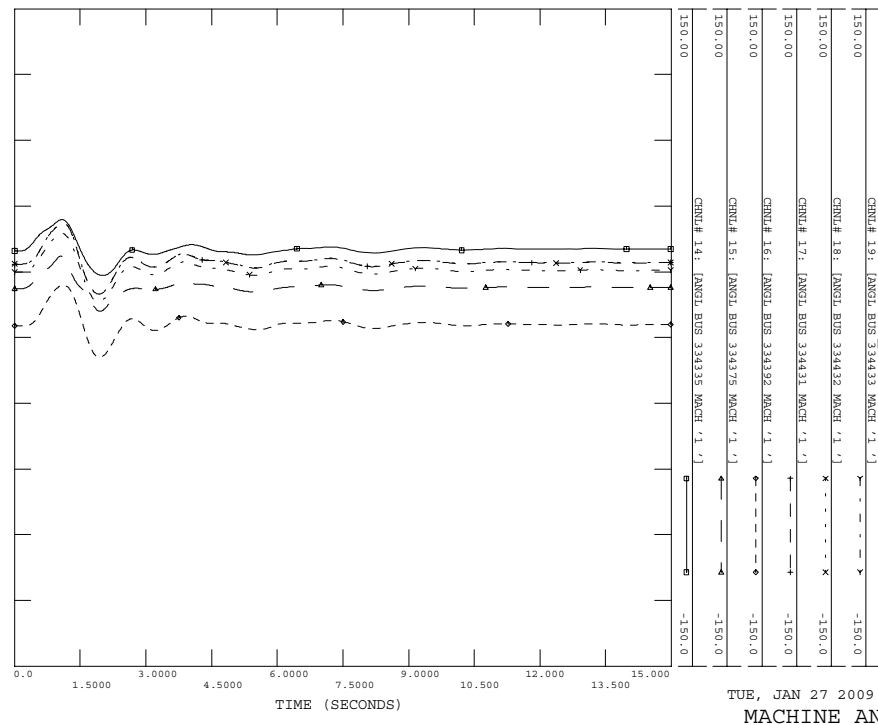
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



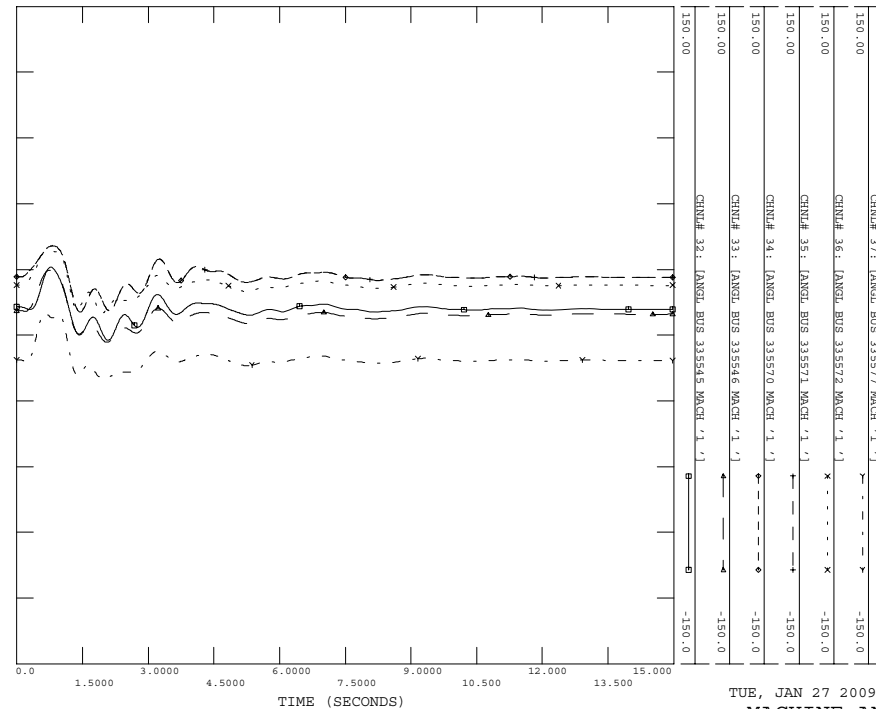
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



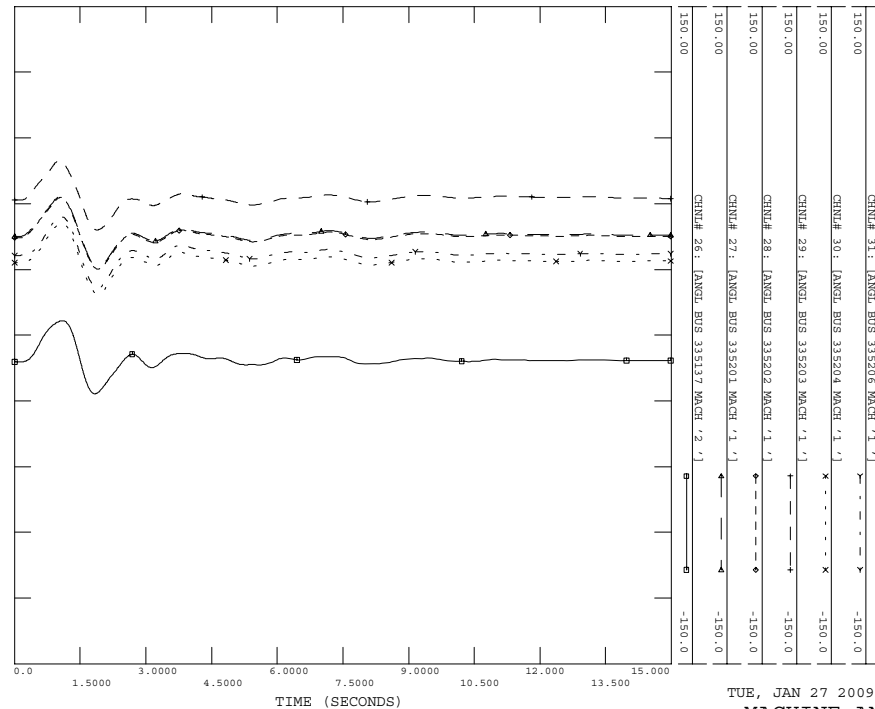
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



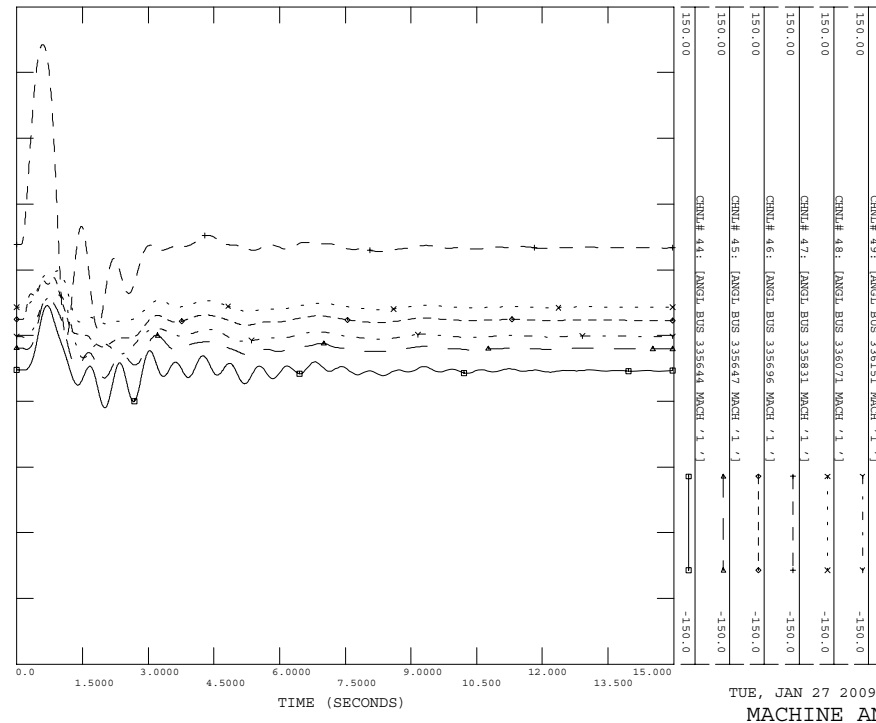
POST-PTD25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



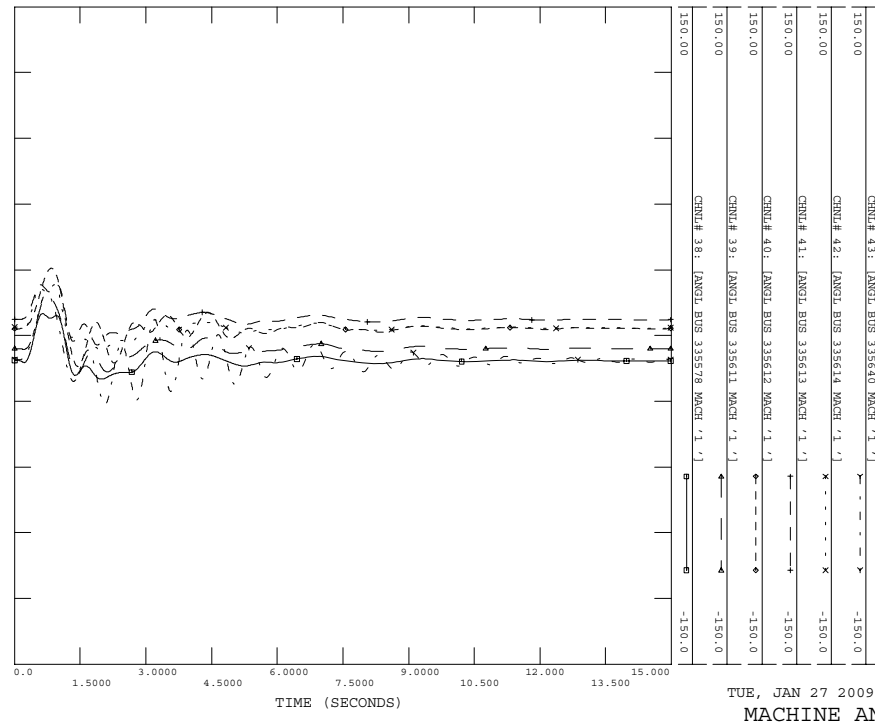
POST-PTD25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



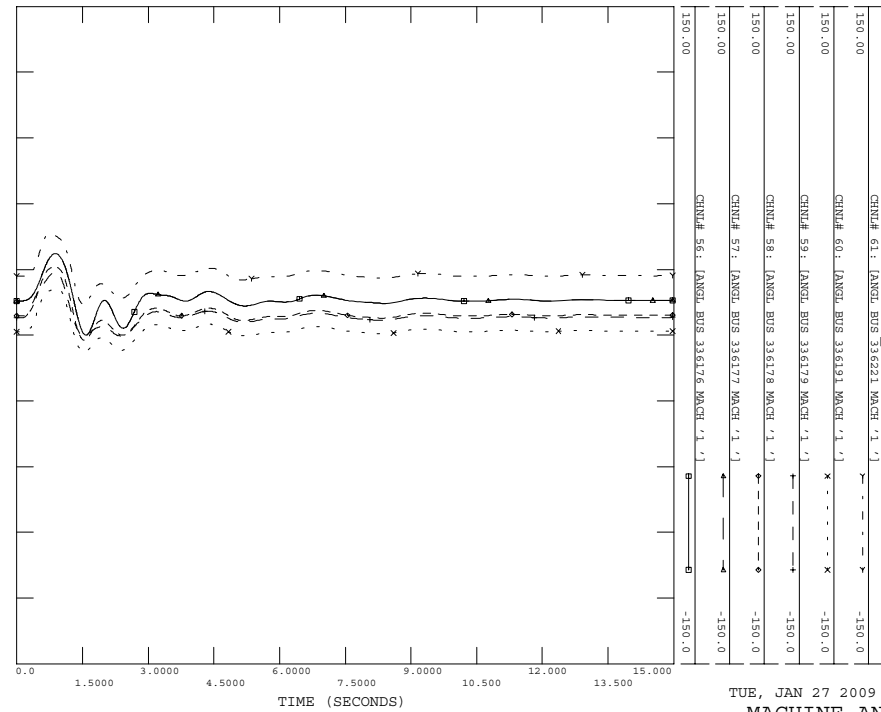
POST-PTD25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



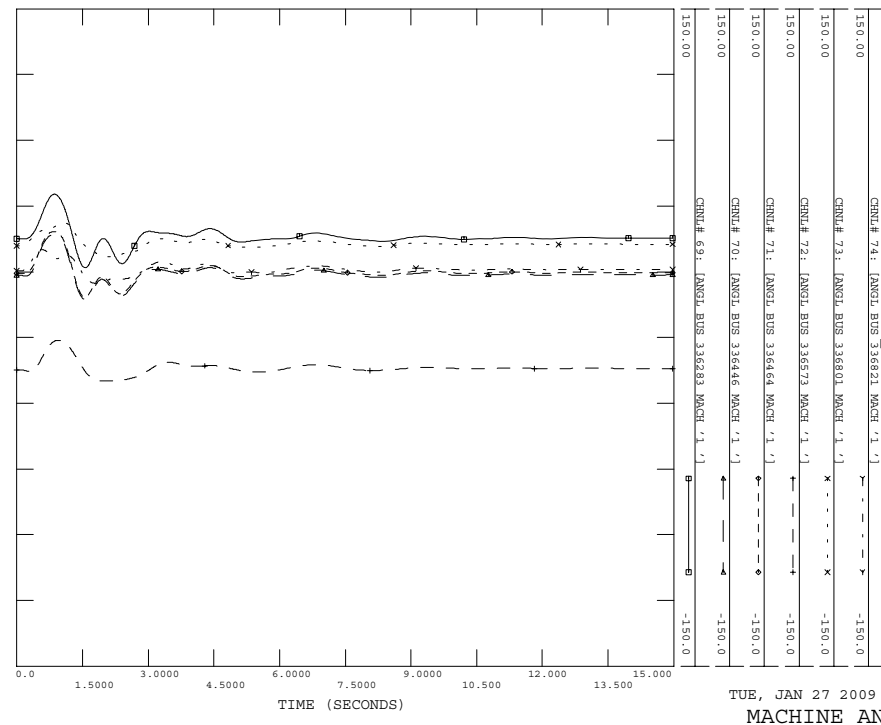
POST-PTD25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



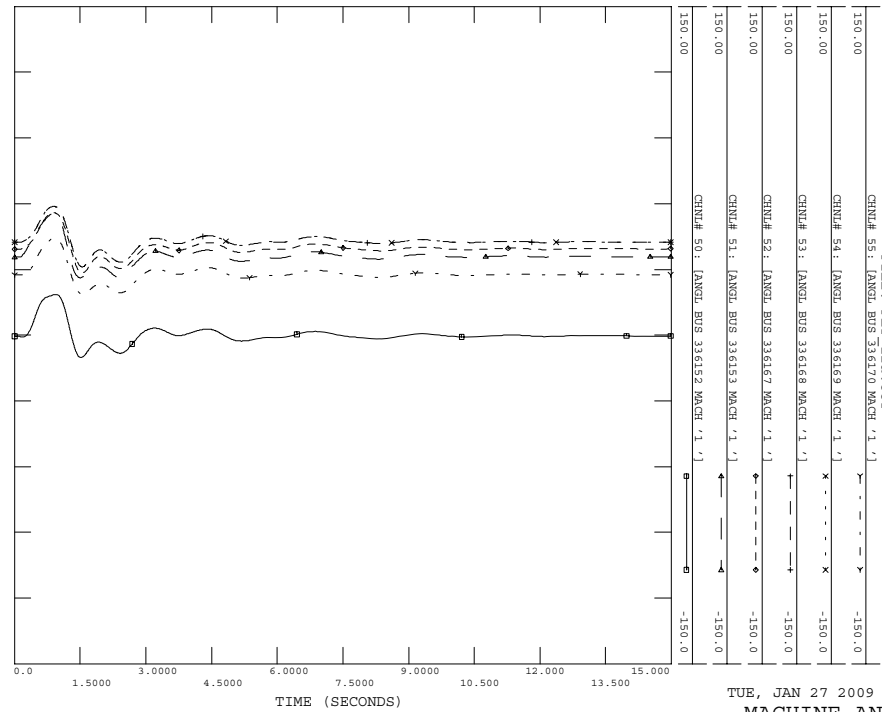
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



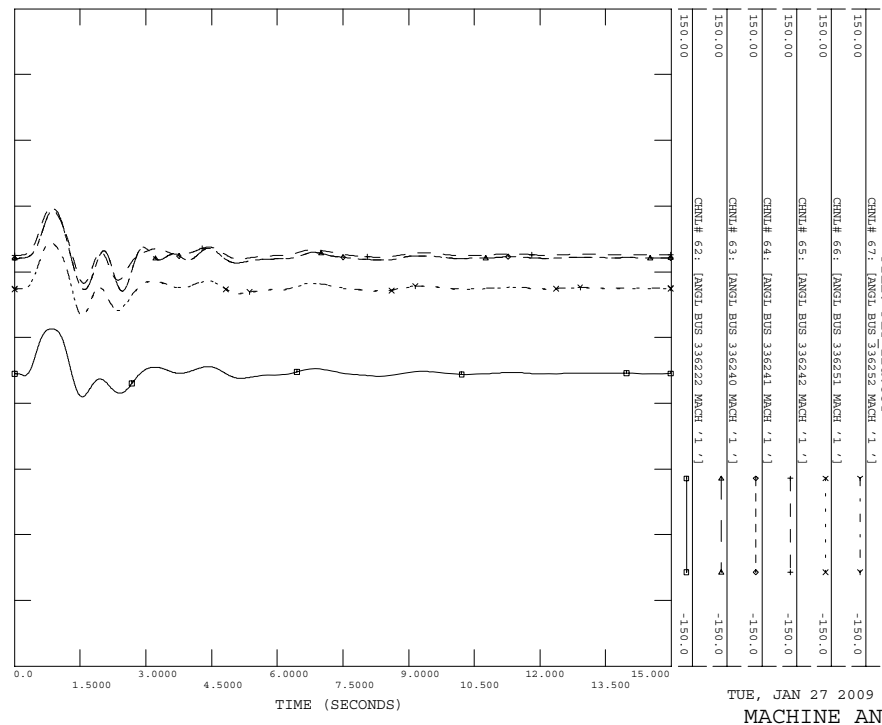
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



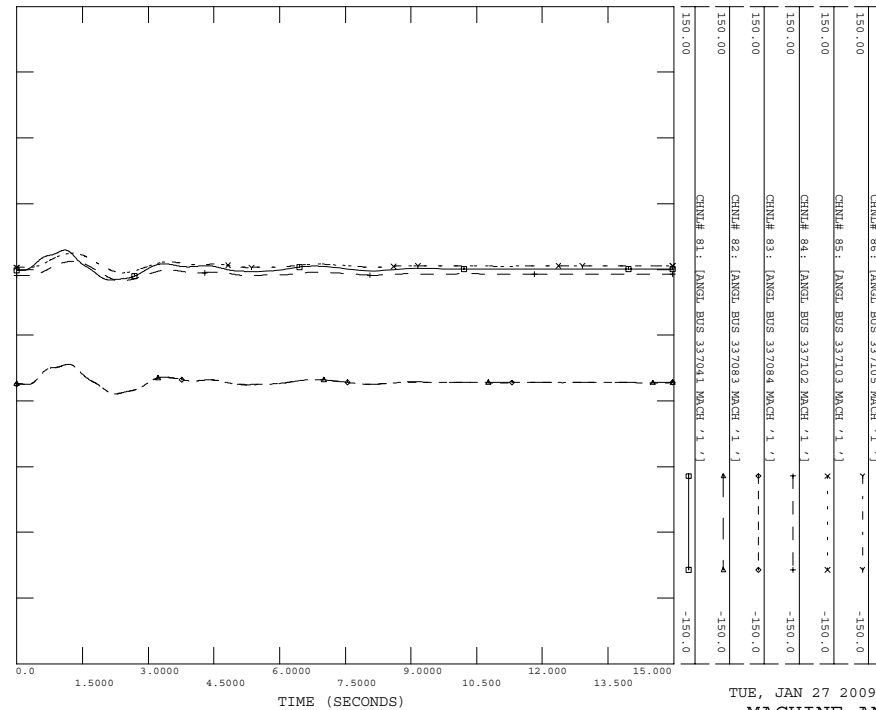
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



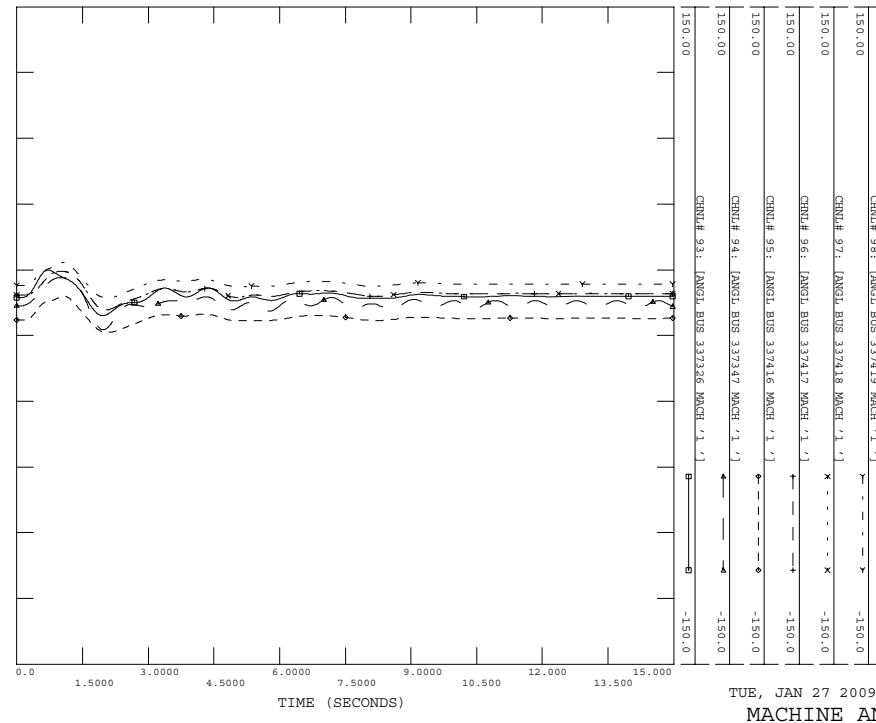
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



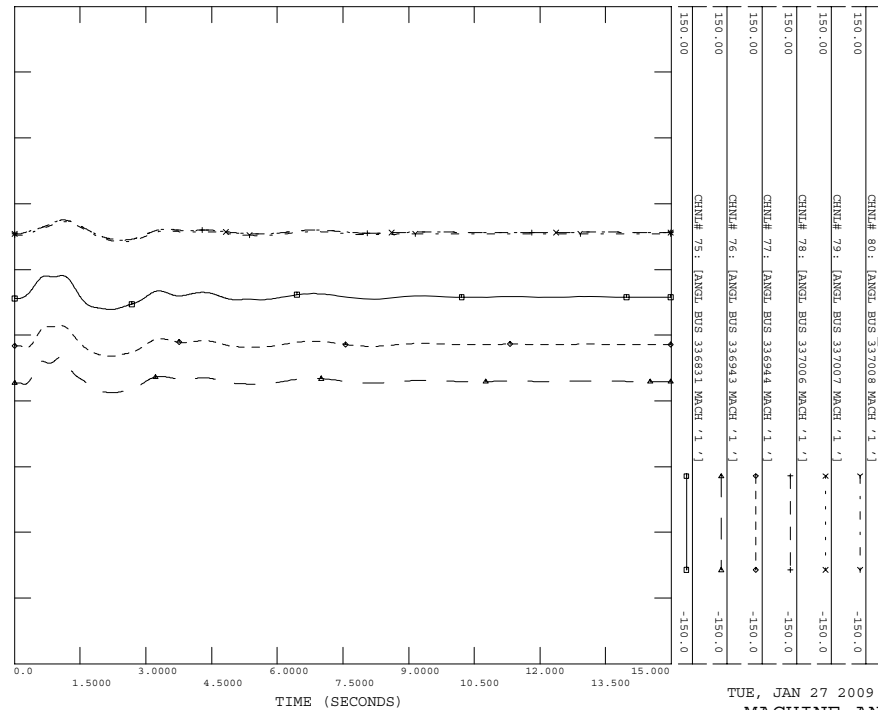
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



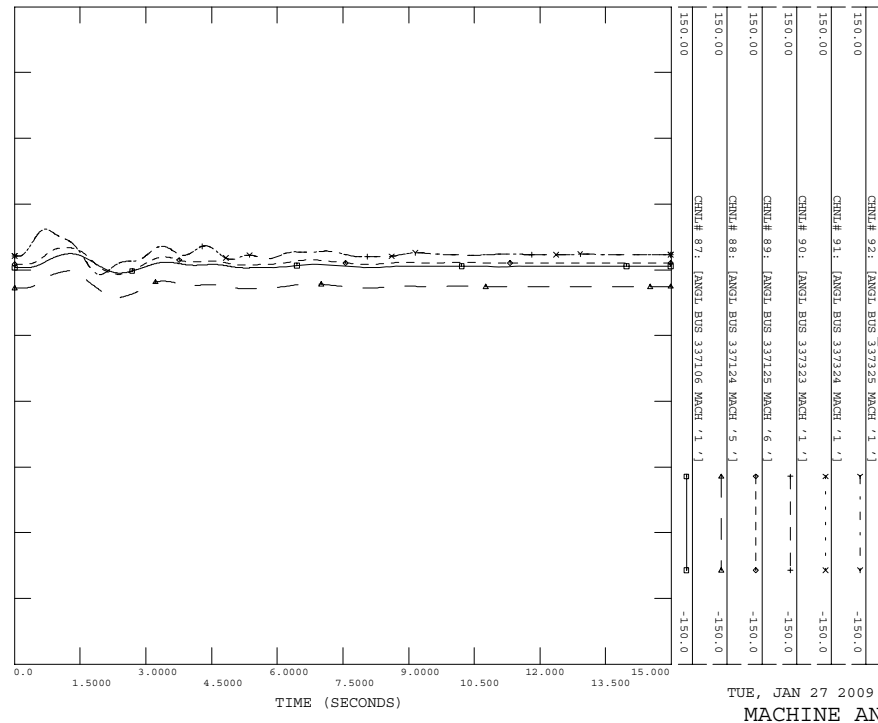
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



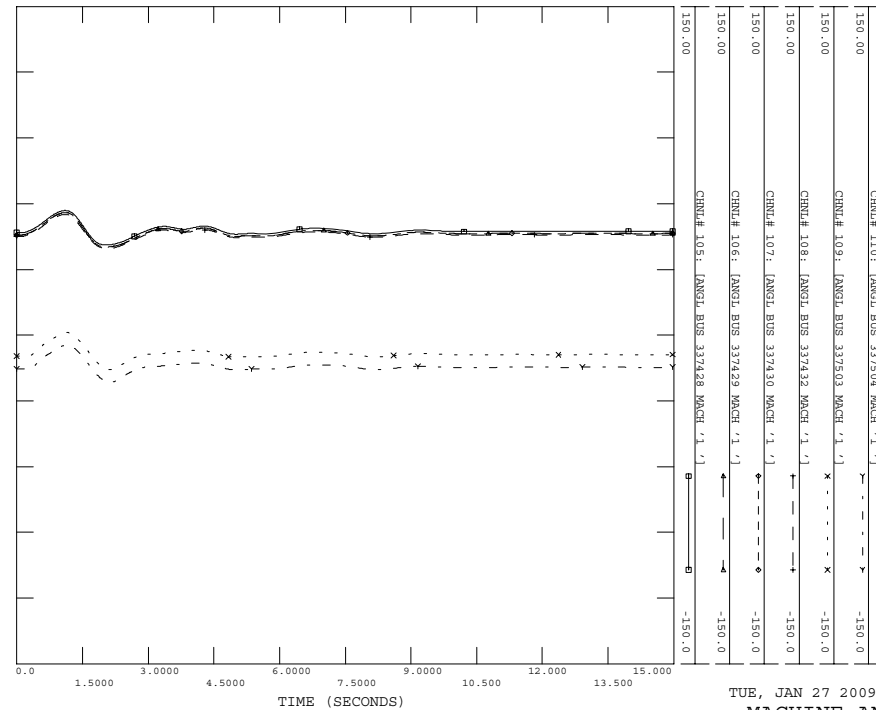
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



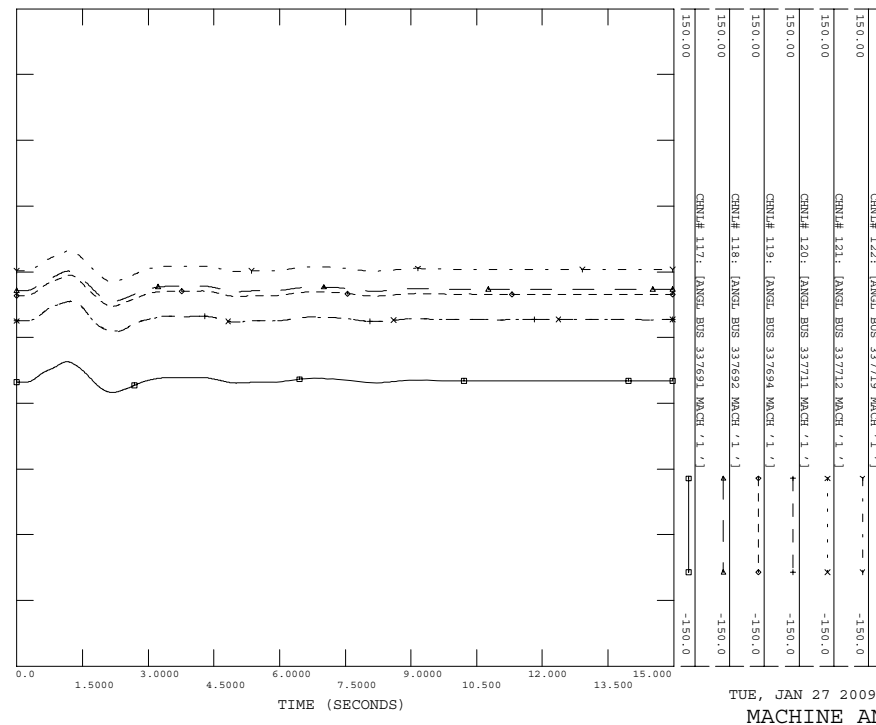
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12a.OUT



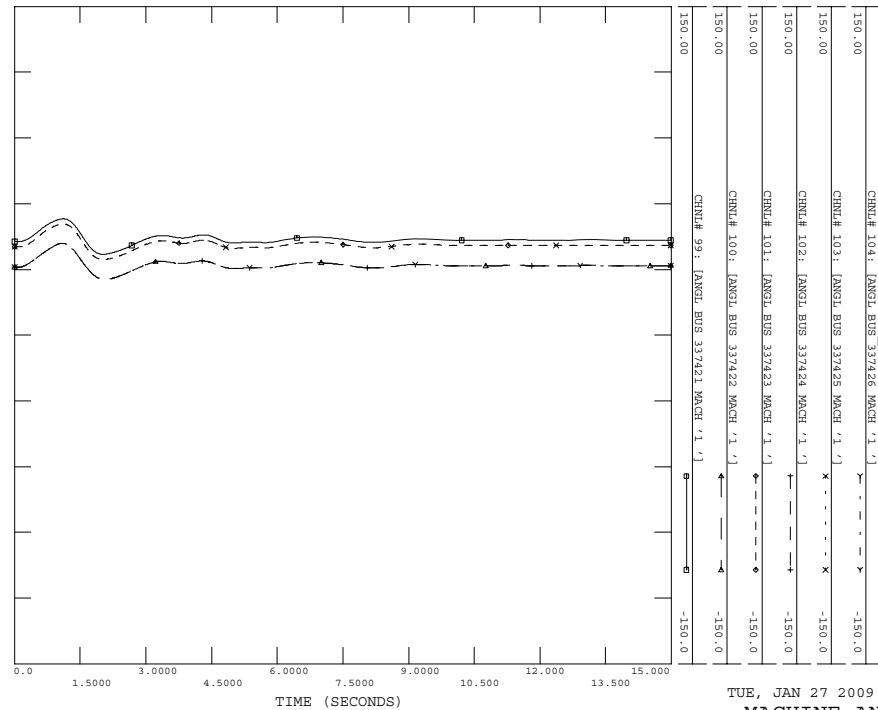
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



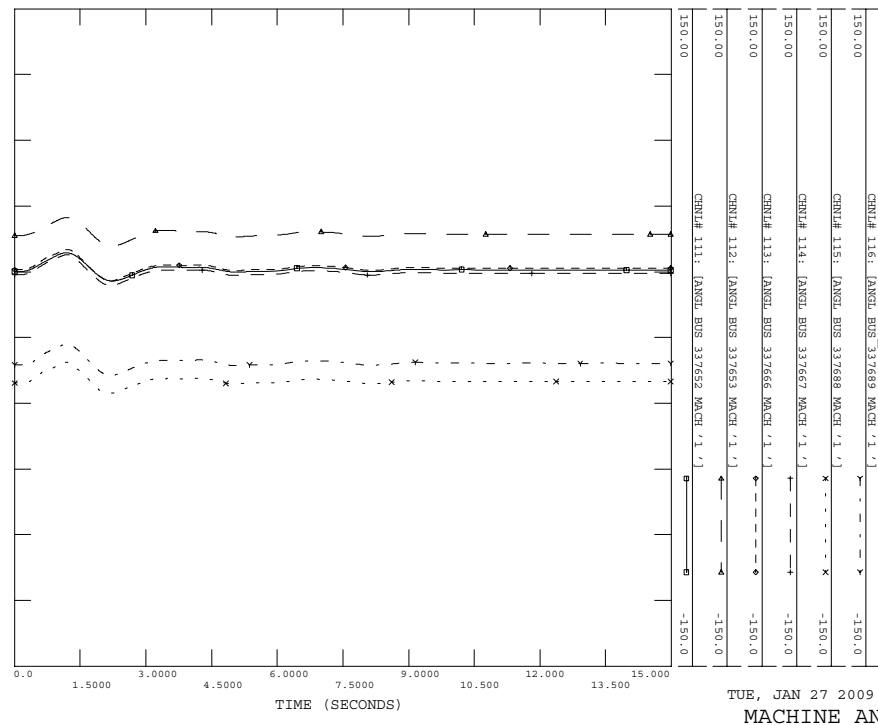
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



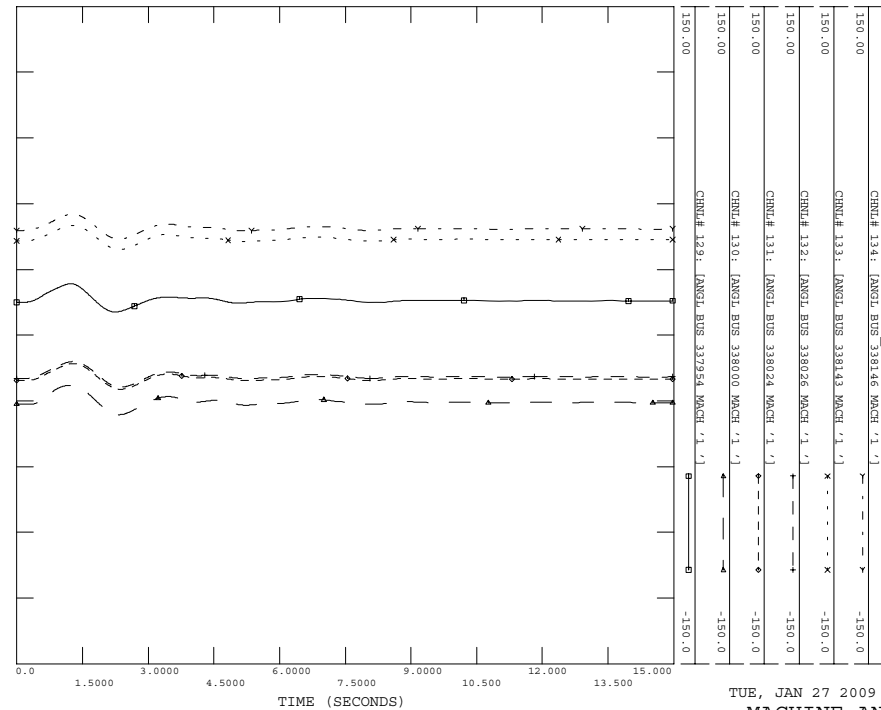
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



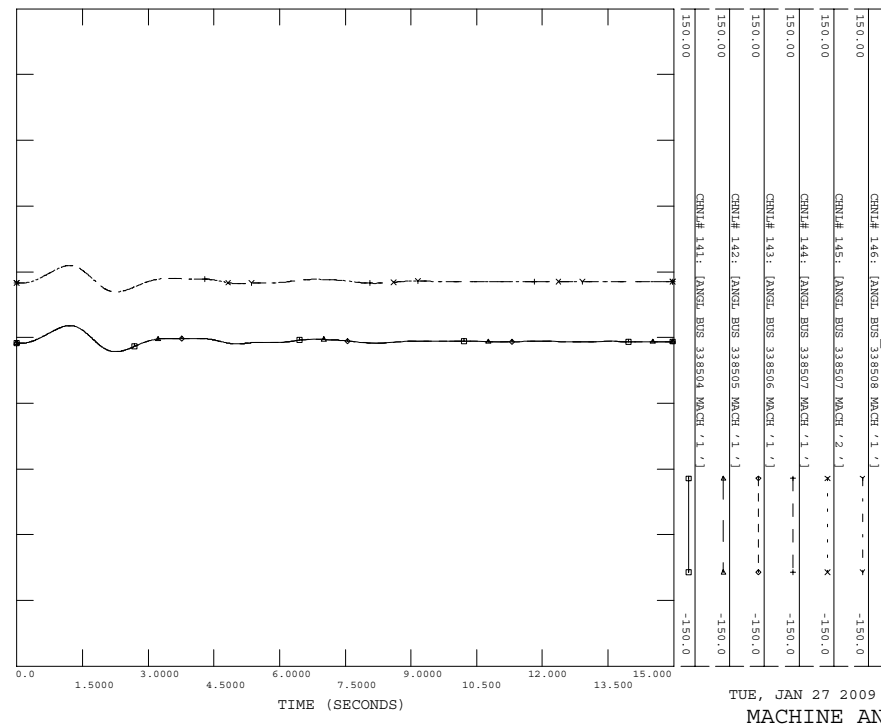
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6MATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



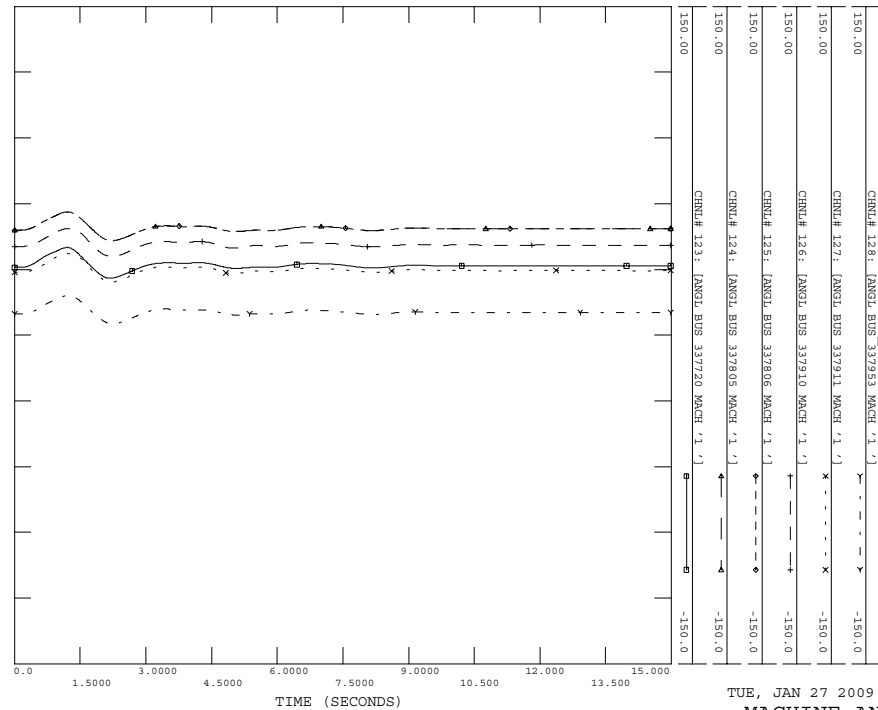
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



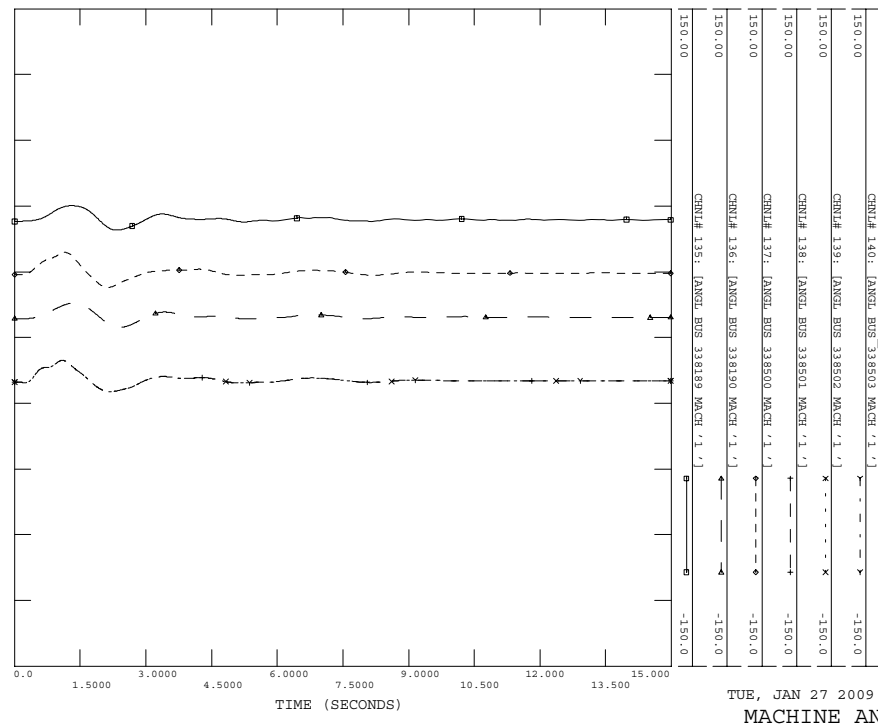
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



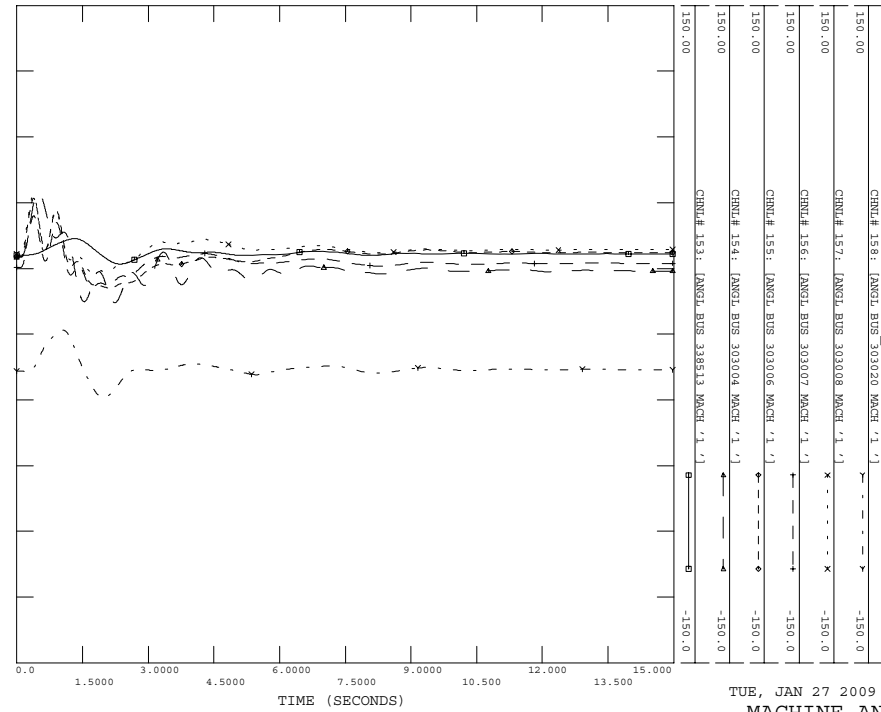
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
6PANCY 230KV BUS 335825 TO 6WATL00 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT

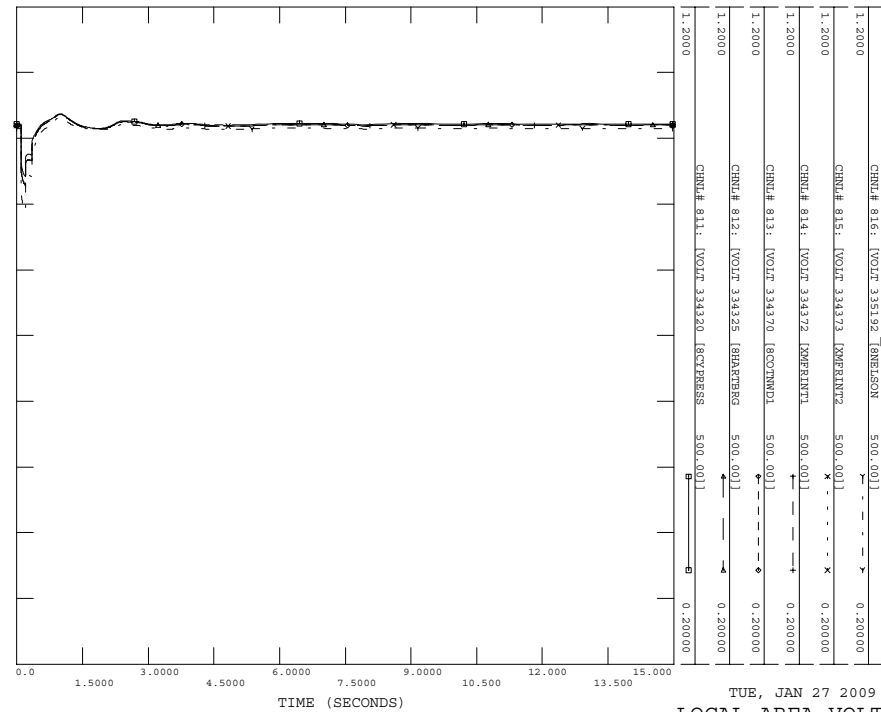


POST-PID25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



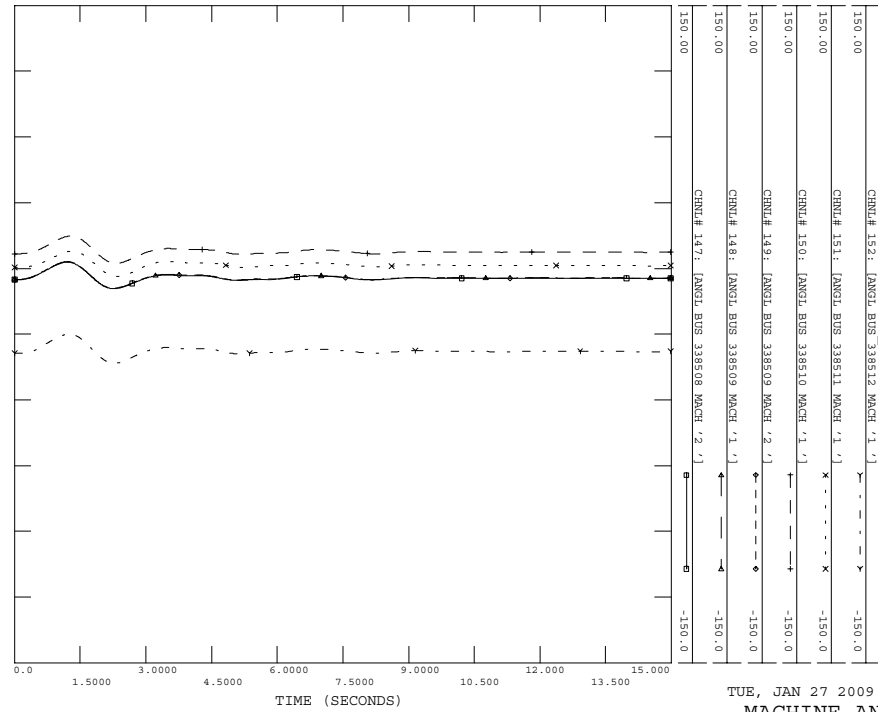
TUE, JAN 27 2009 20:18
MACHINE ANGLES

POST-PID25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT



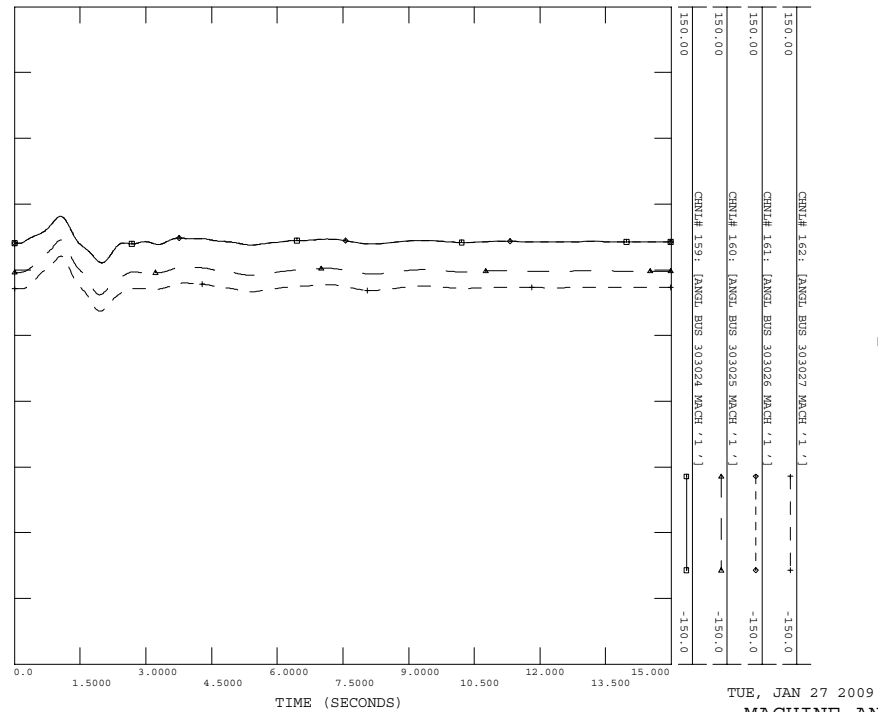
TUE, JAN 27 2009 20:18
LOCAL AREA VOLTAGES

POST-PID25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT

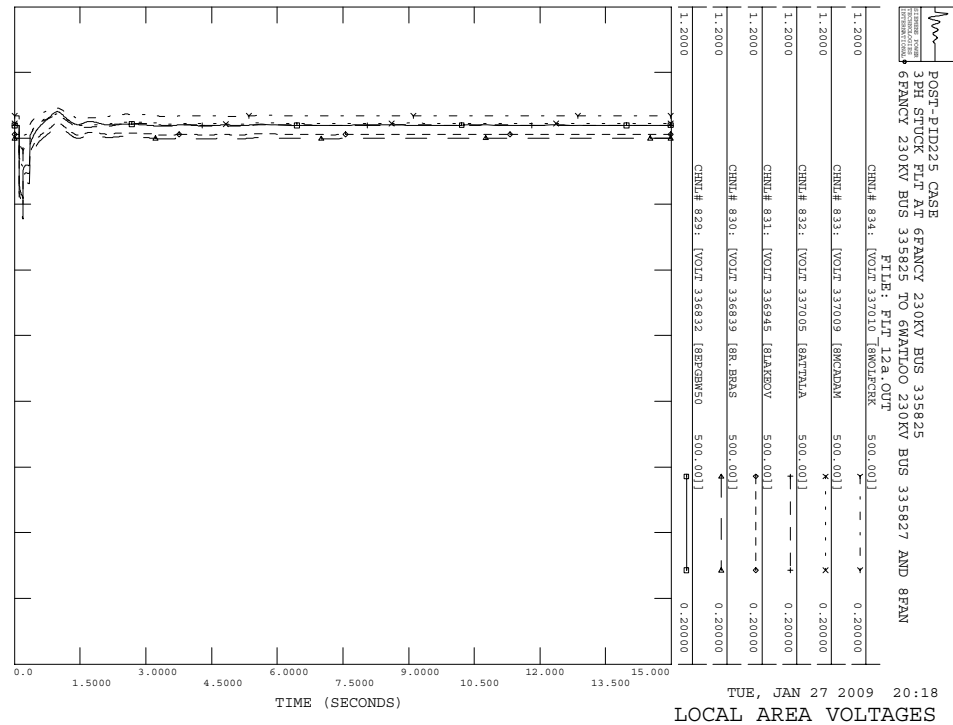
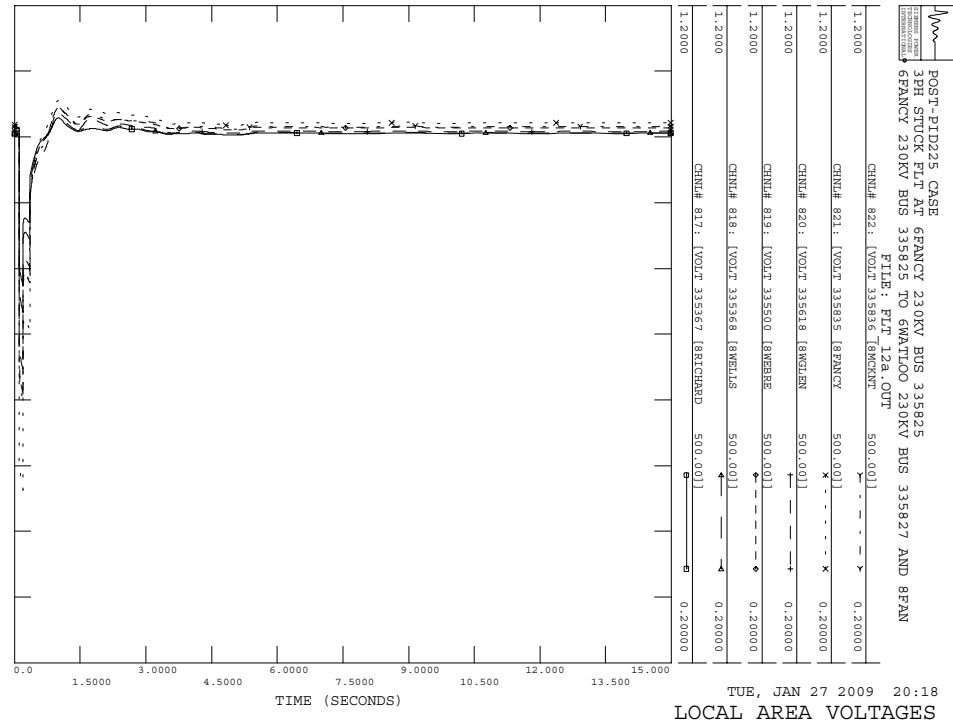
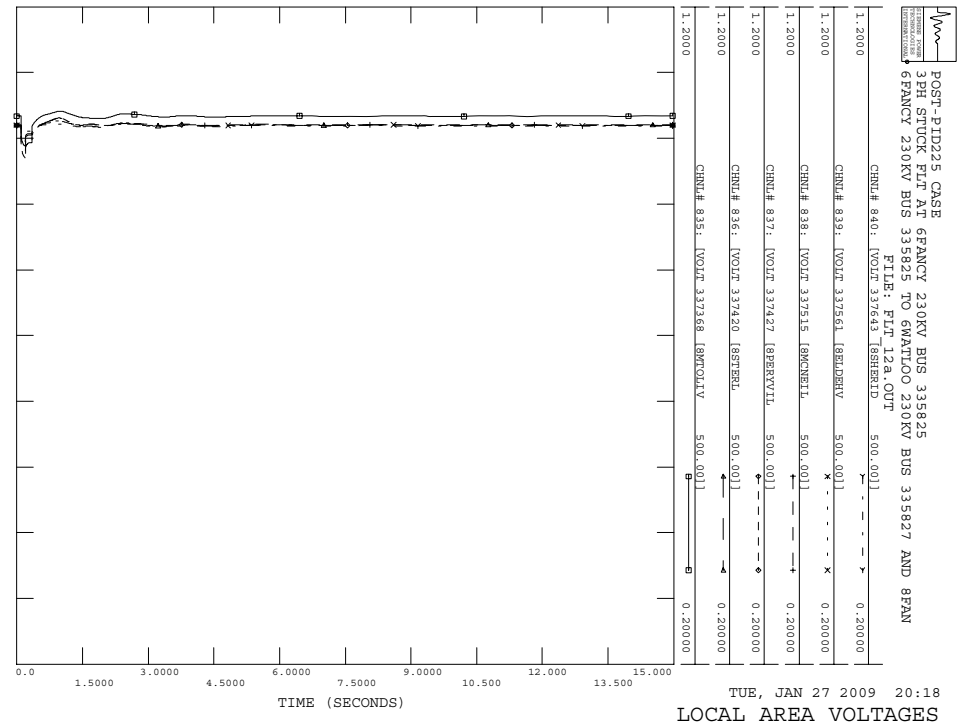
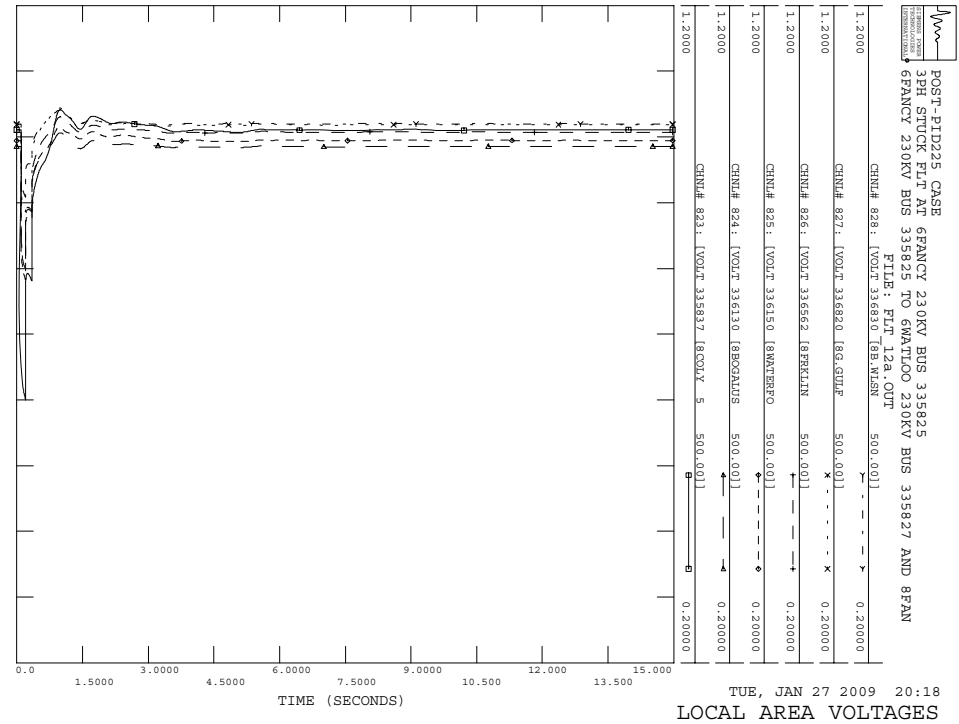


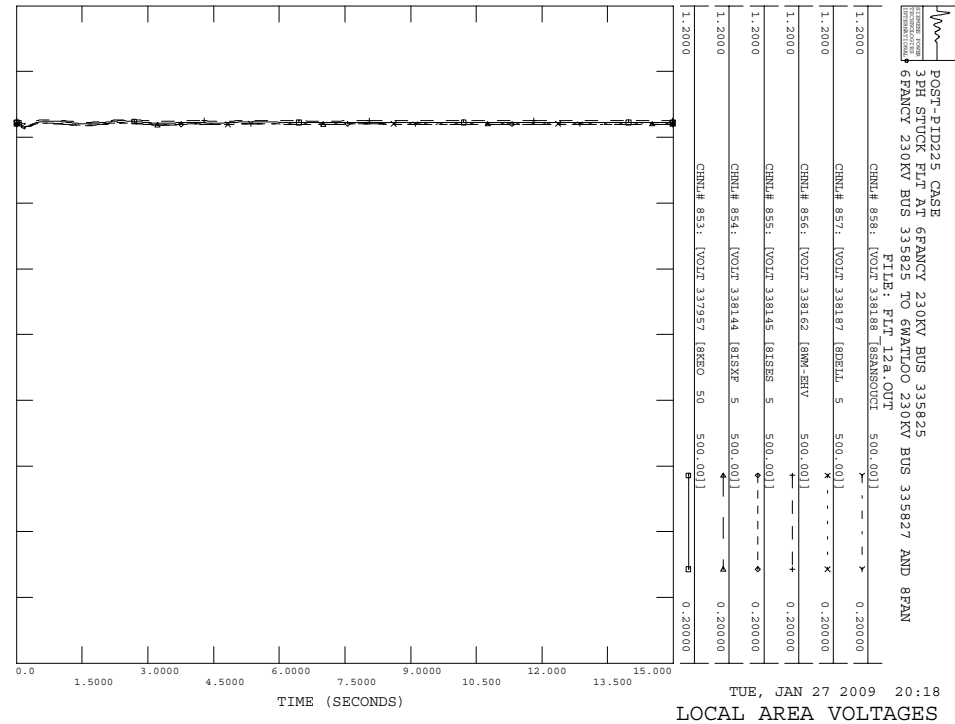
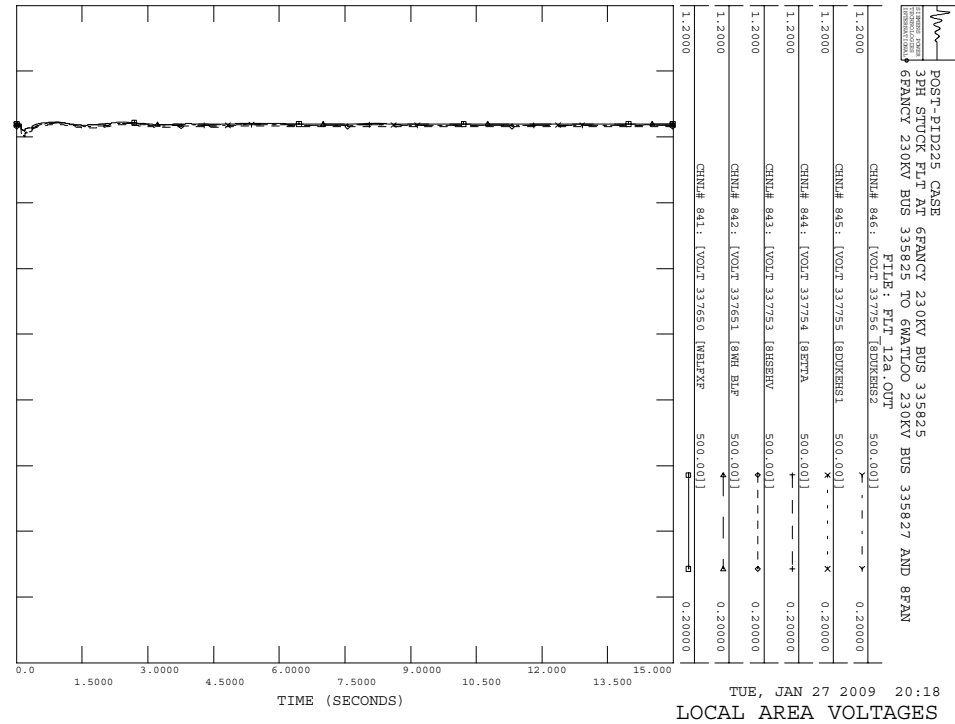
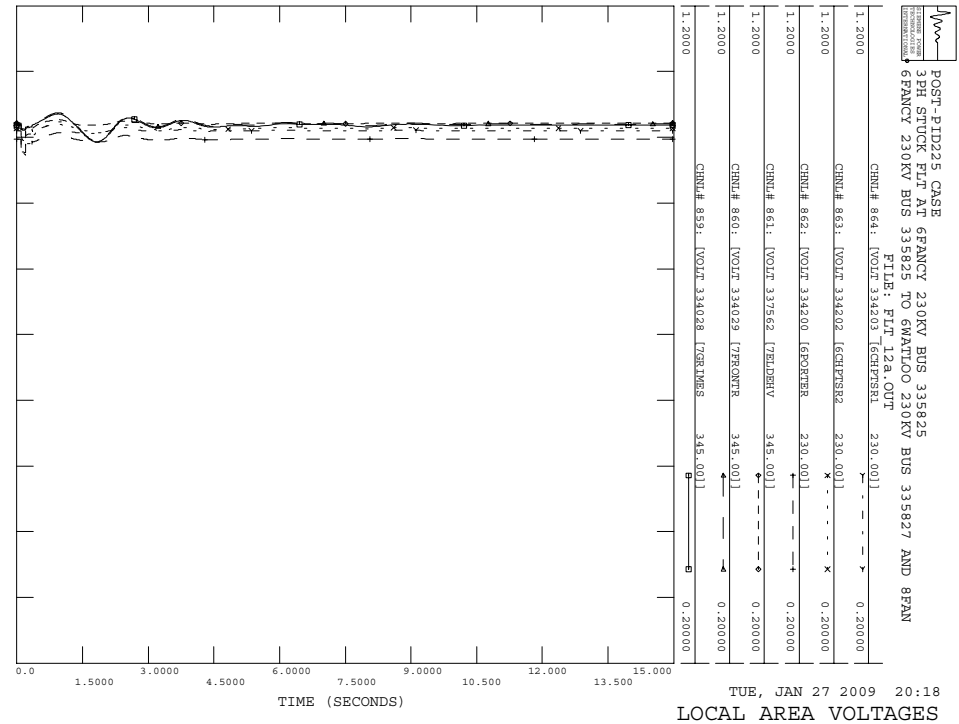
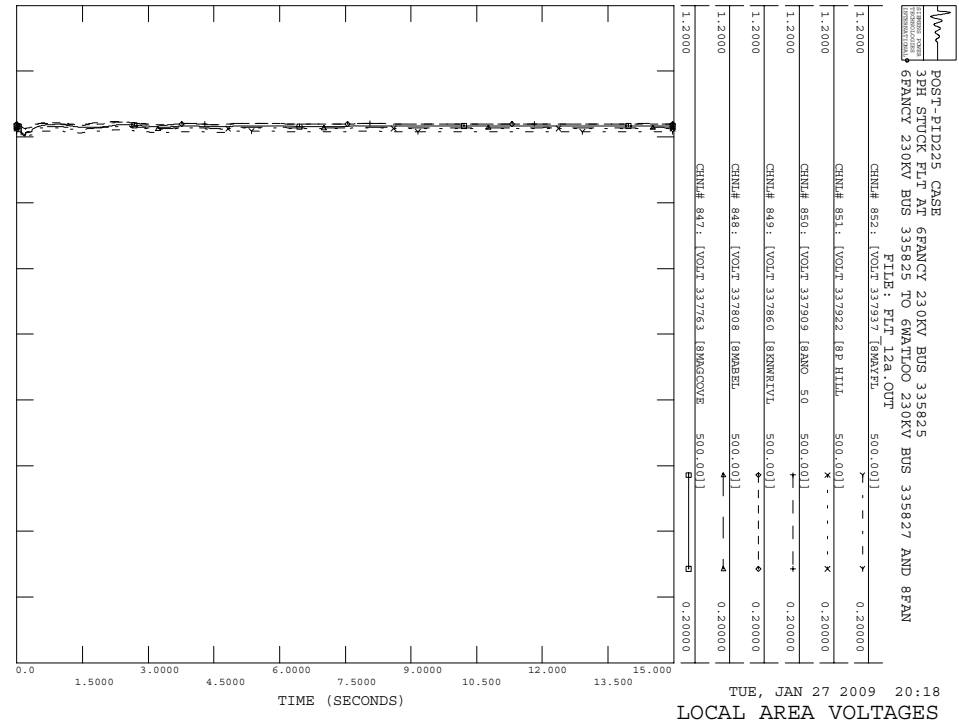
TUE, JAN 27 2009 20:18
MACHINE ANGLES

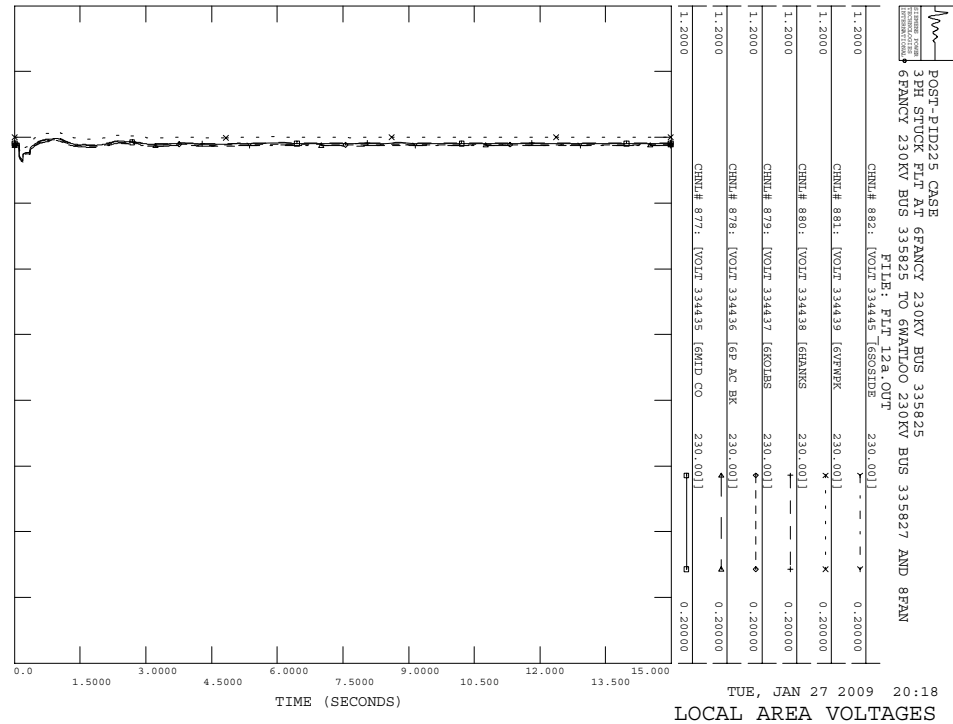
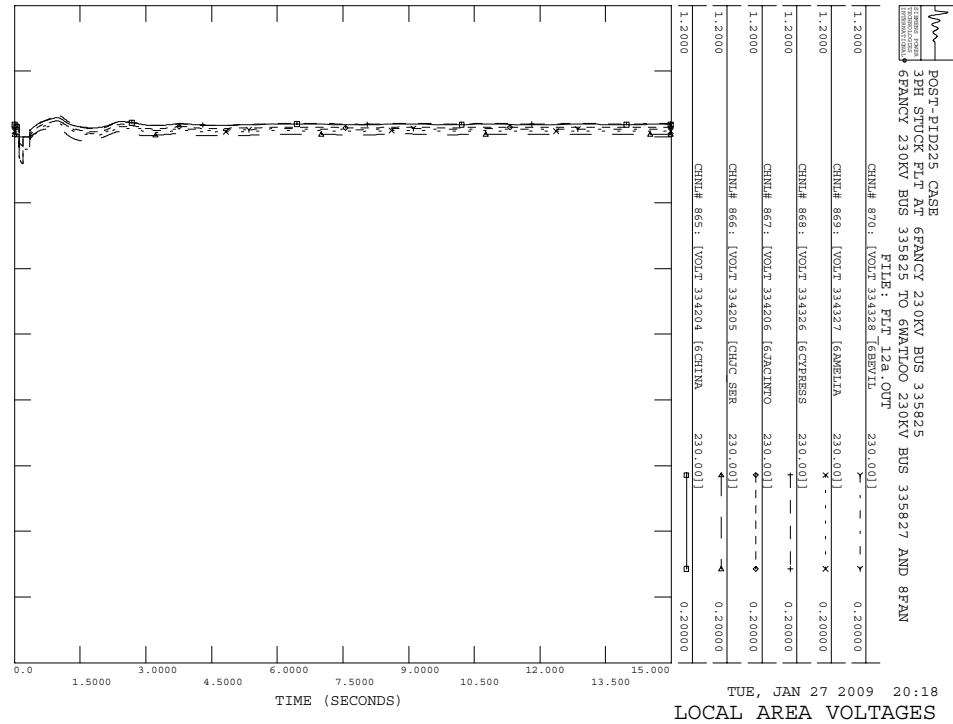
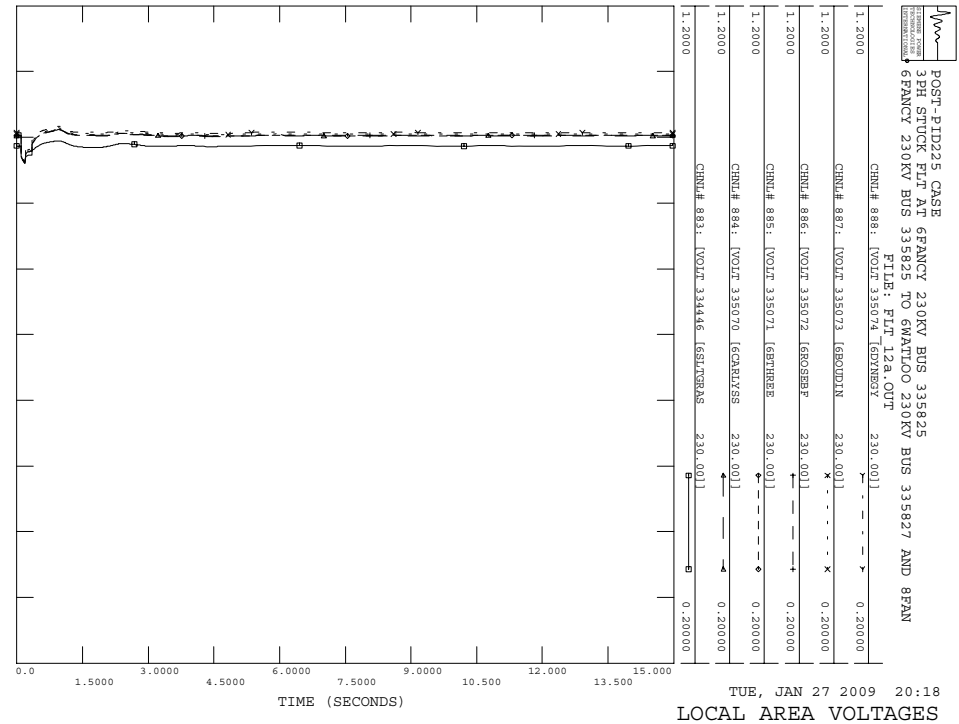
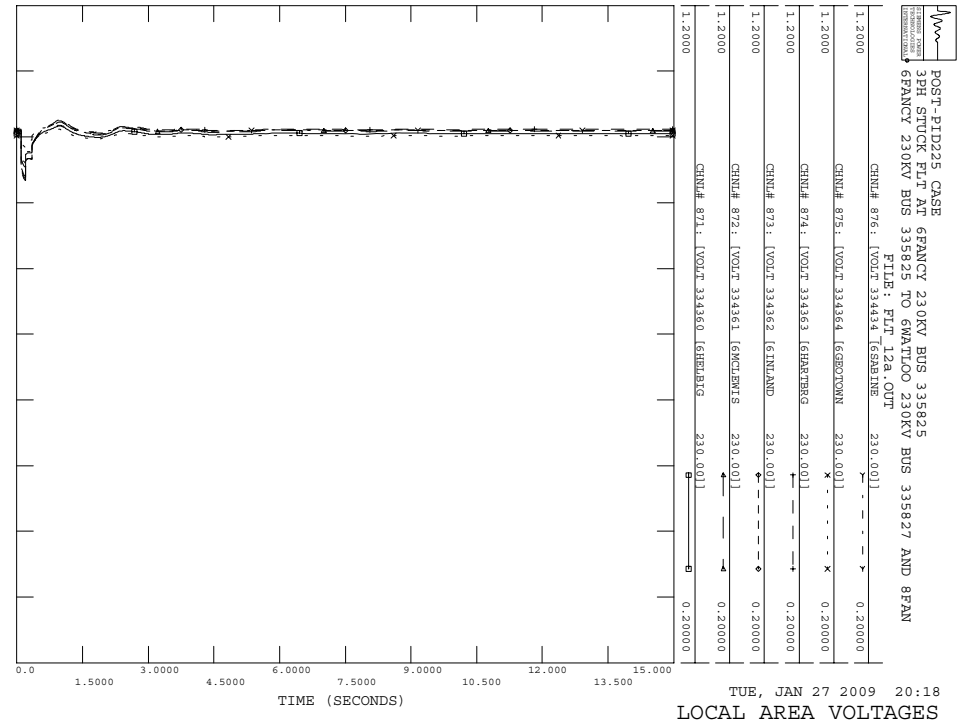
POST-PID25 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
6FANCY 230KV BUS 335825 TO 6WATLOO 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT

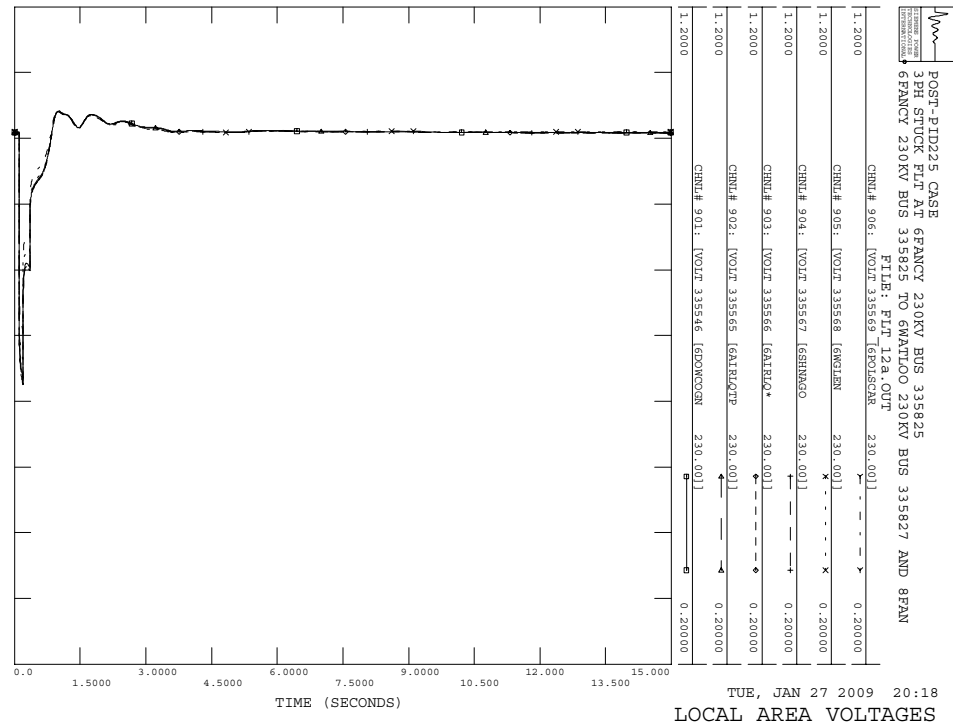
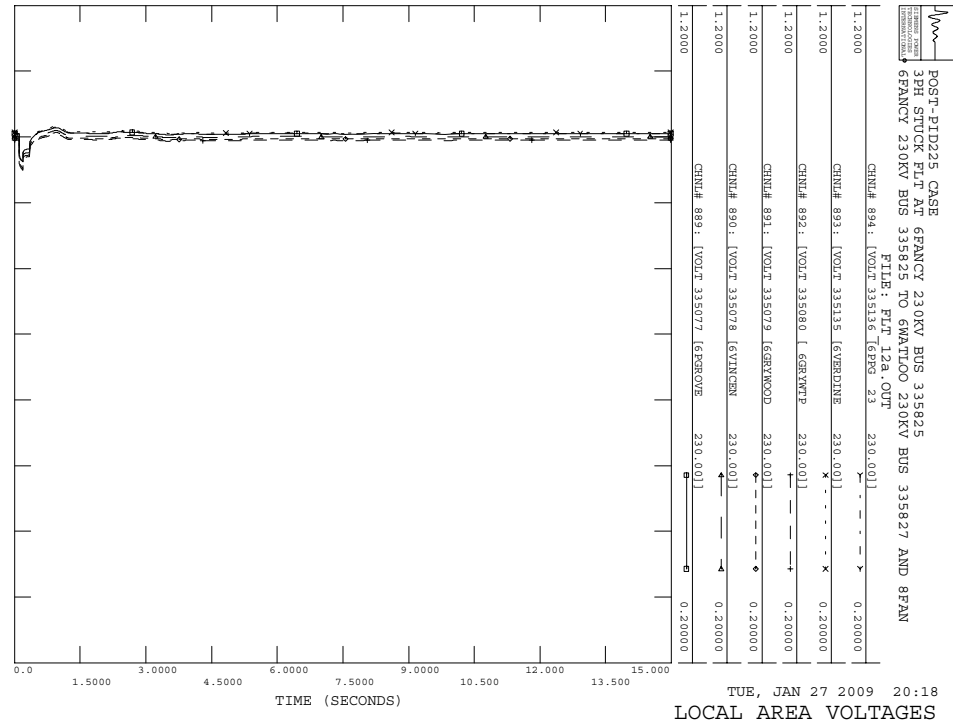
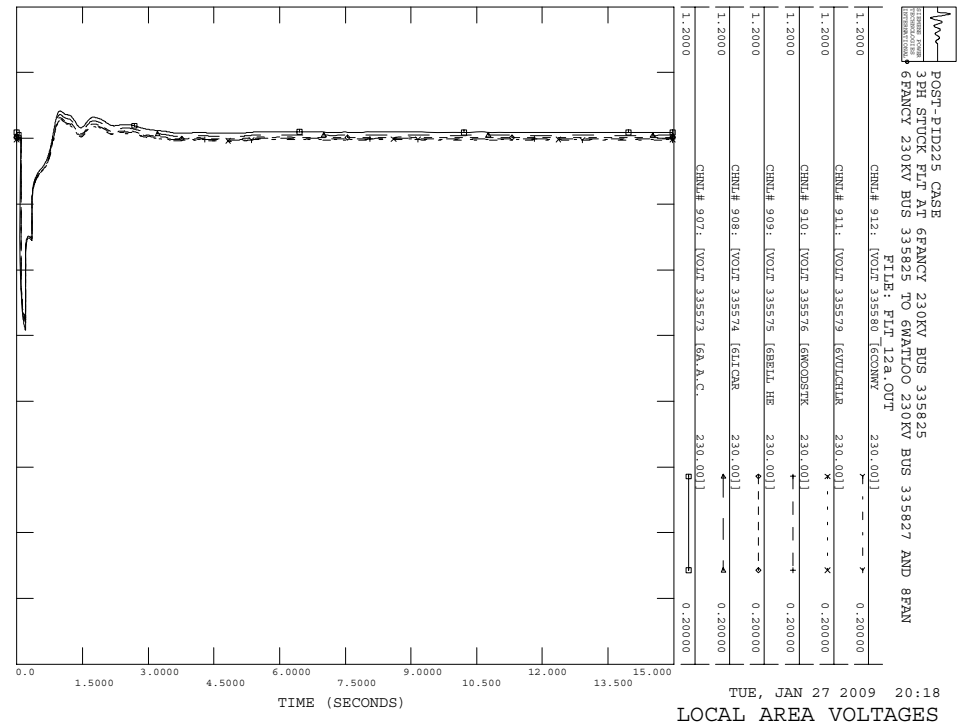
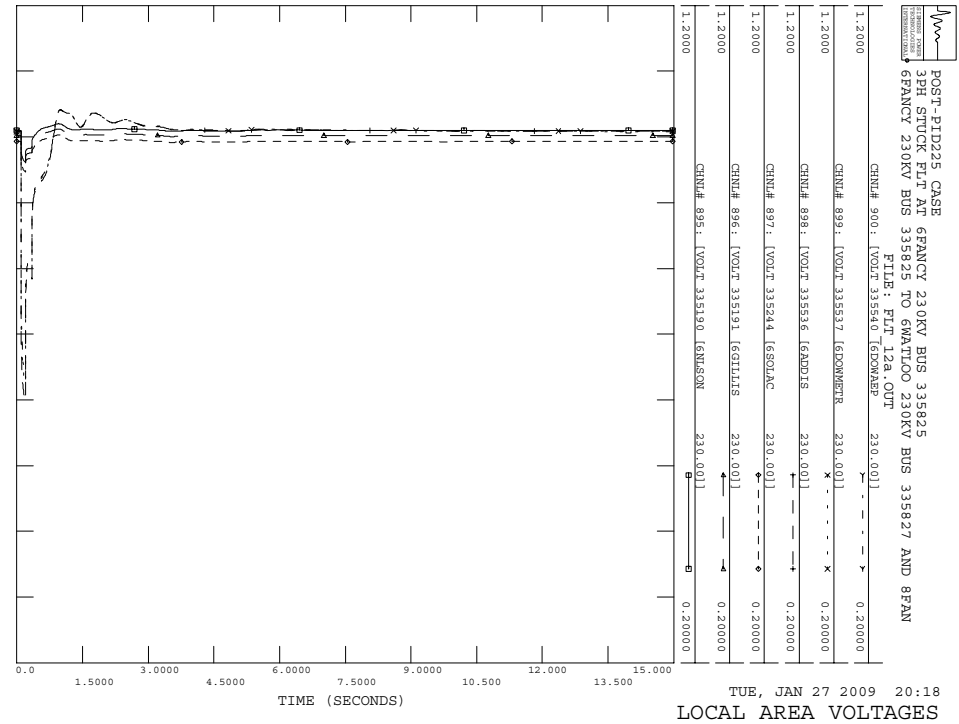


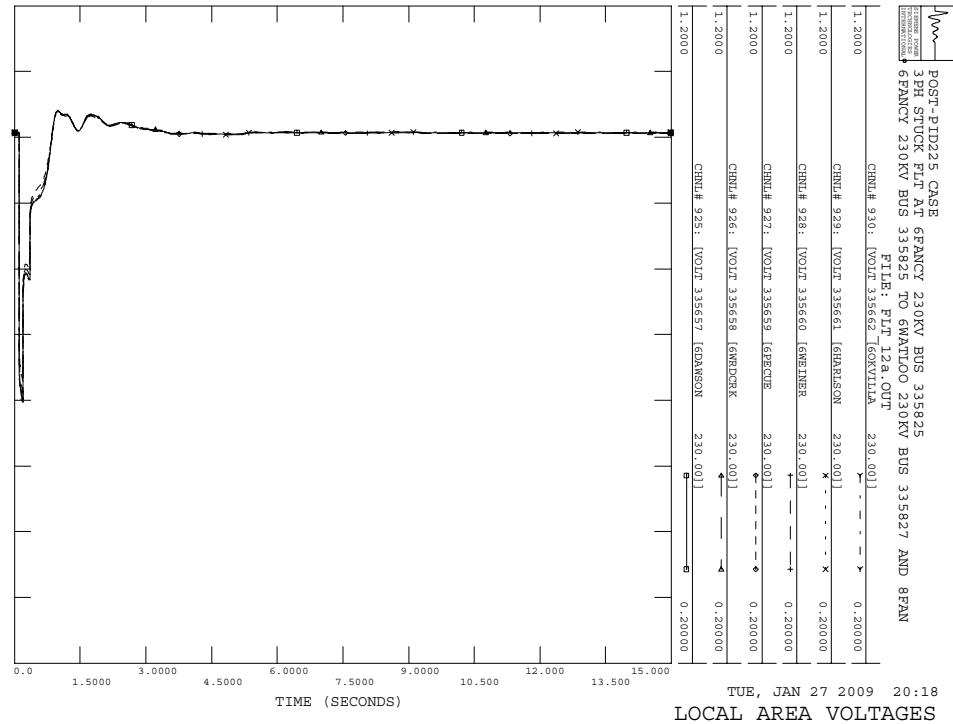
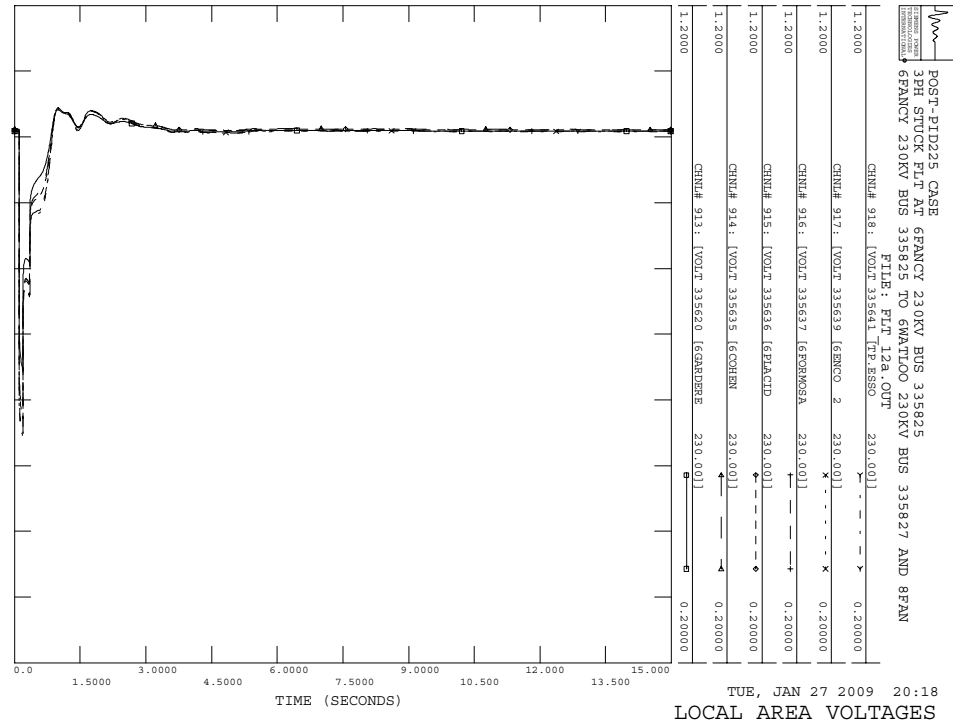
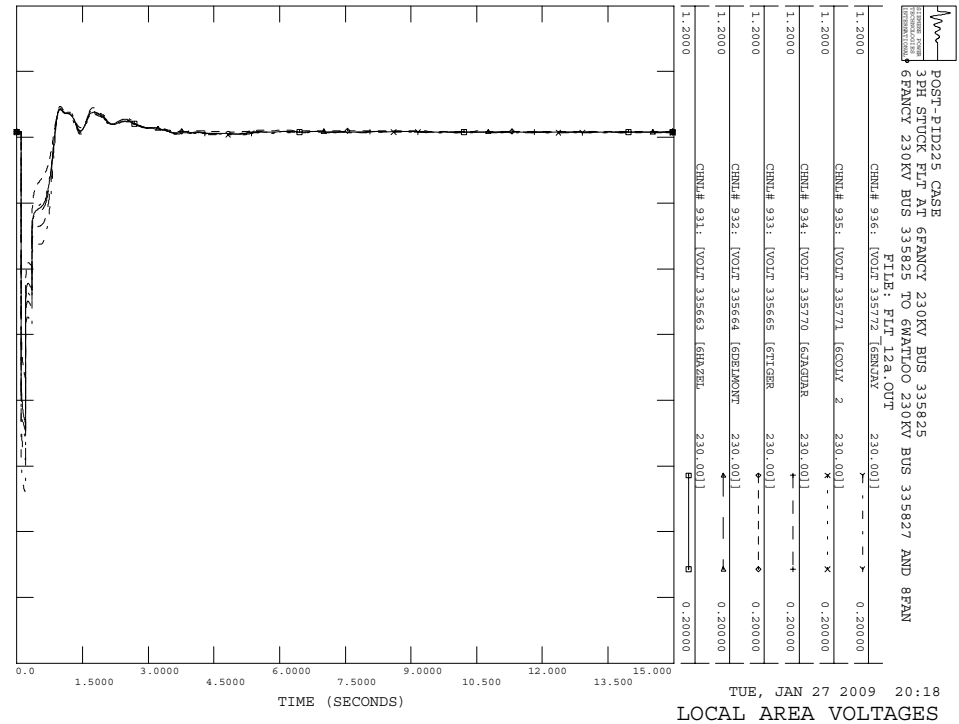
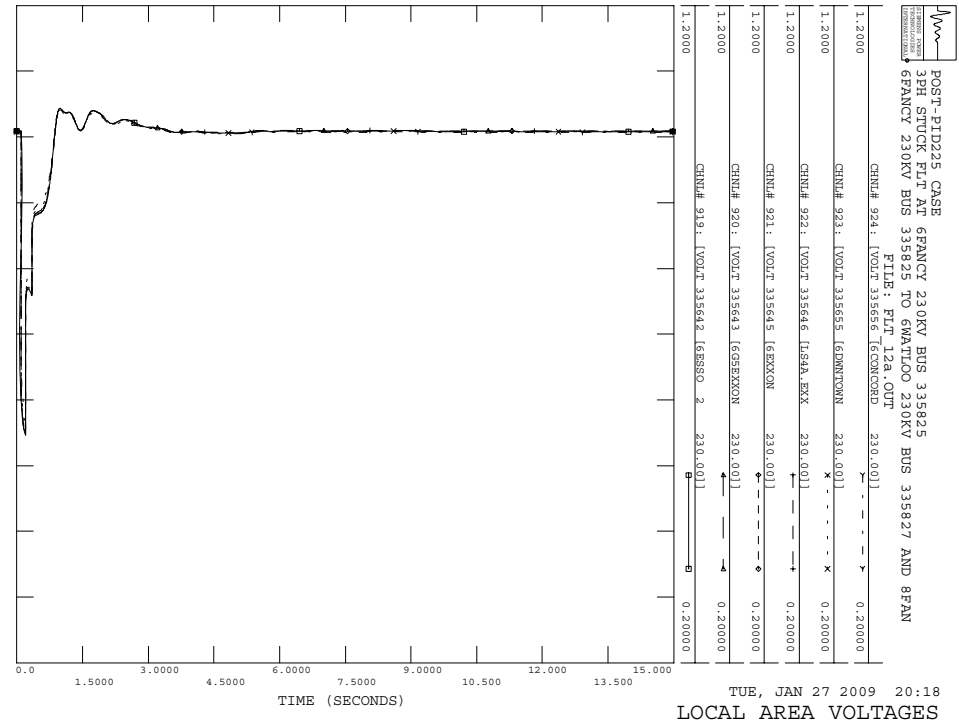
TUE, JAN 27 2009 20:18
MACHINE ANGLES

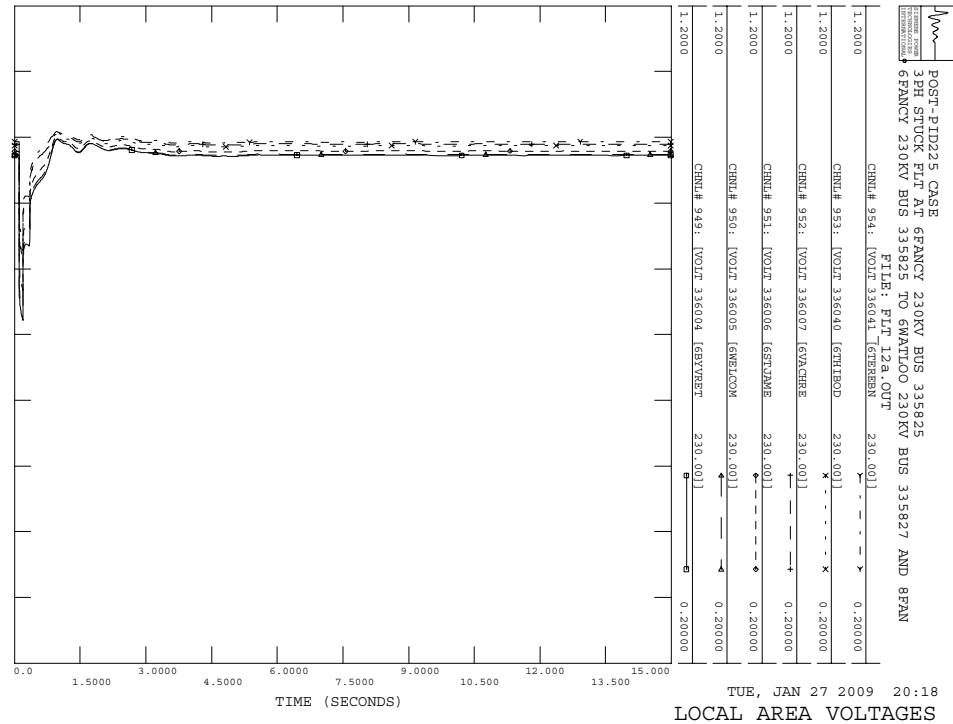
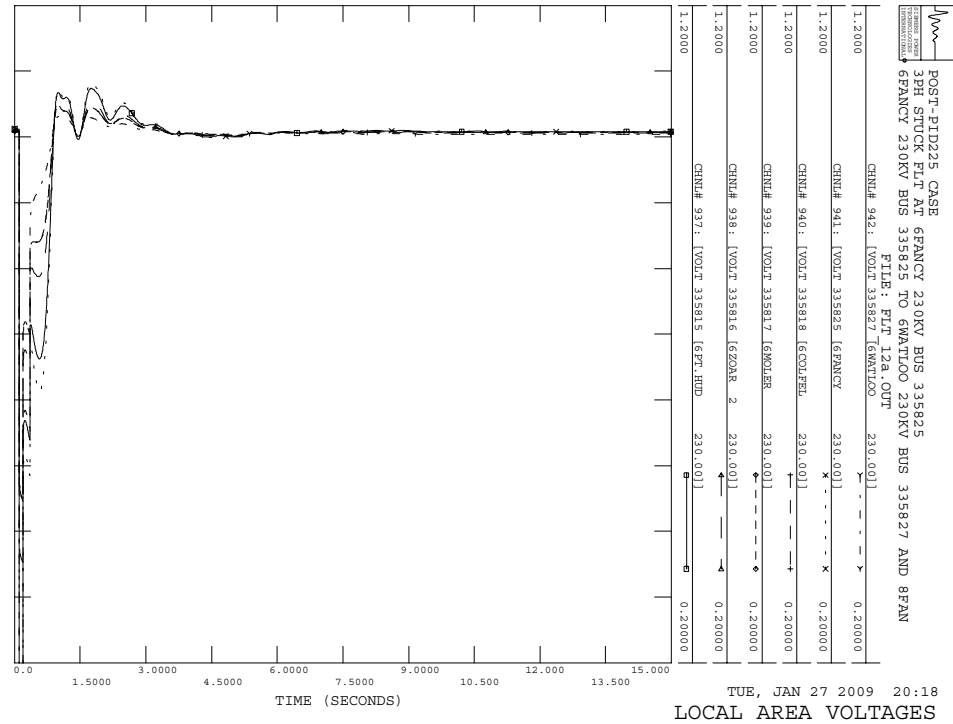
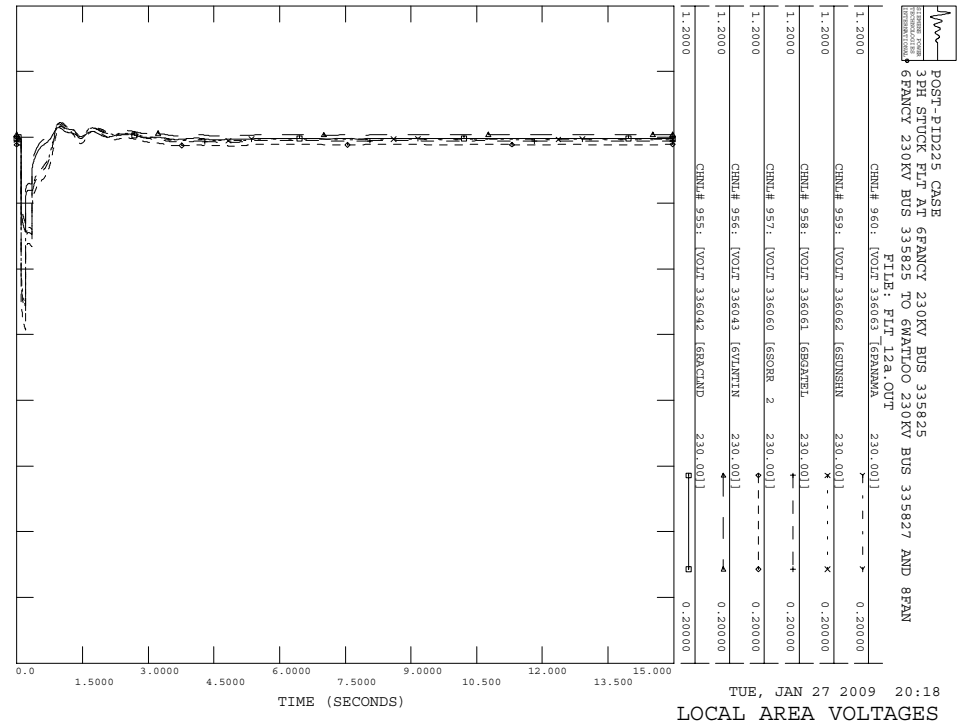
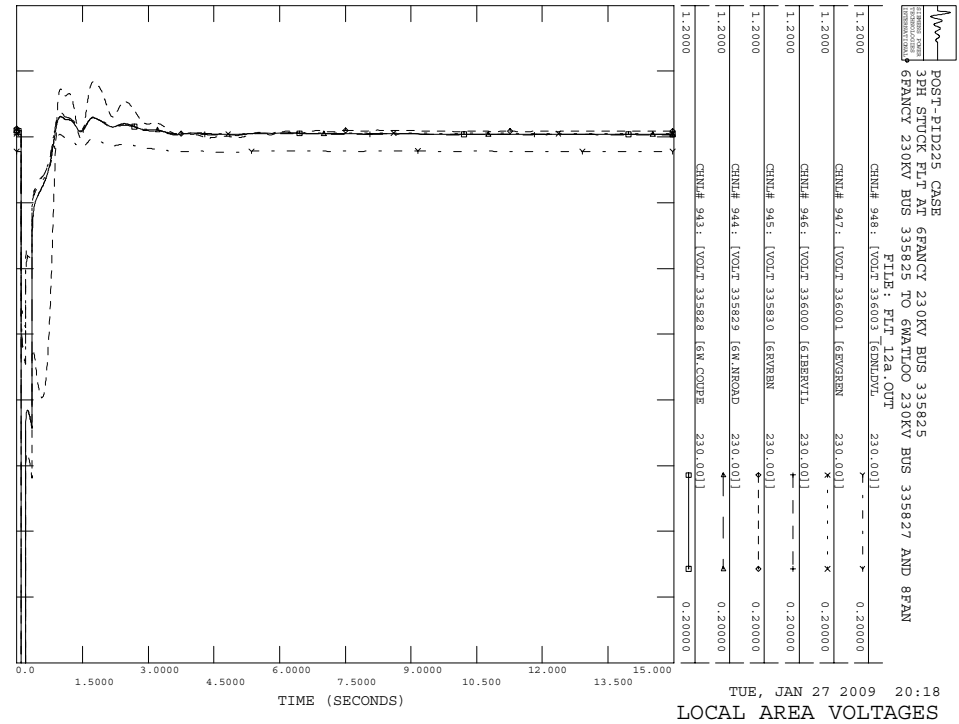


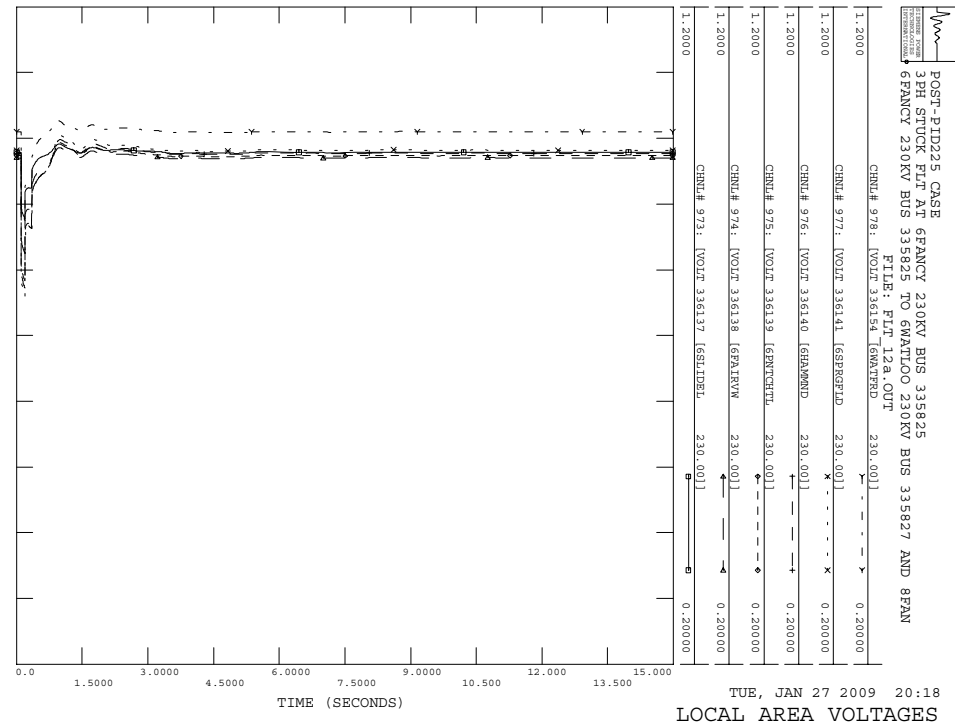
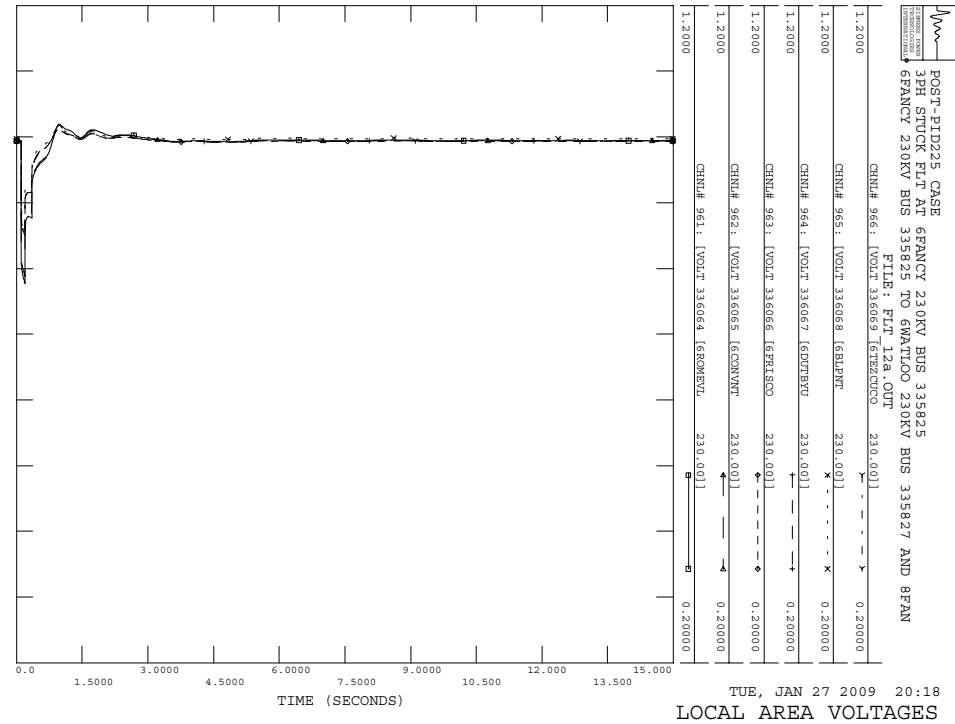
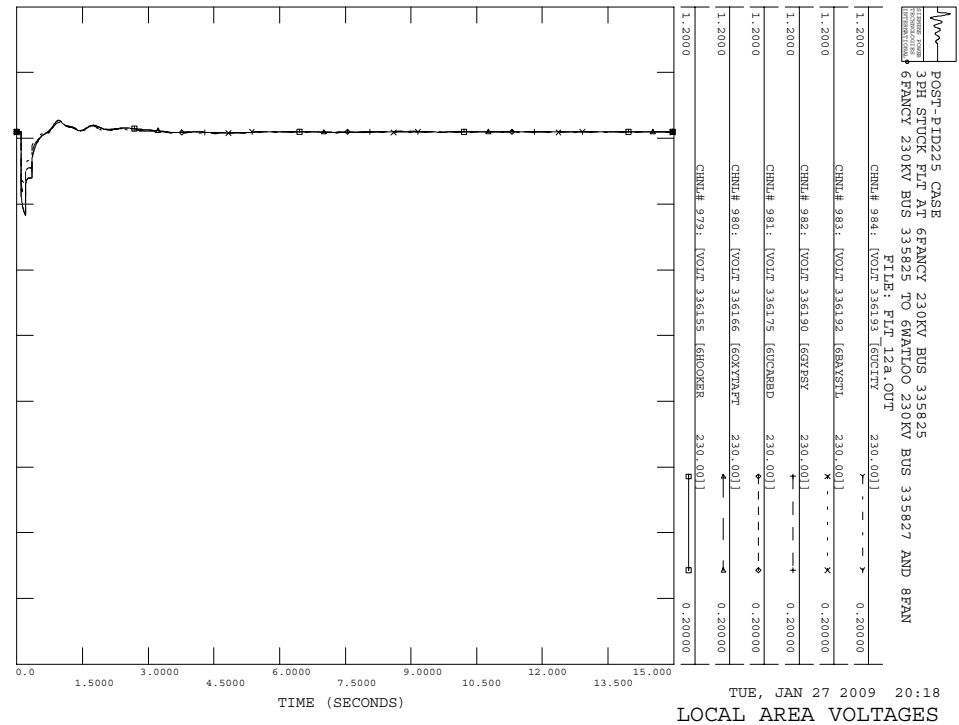
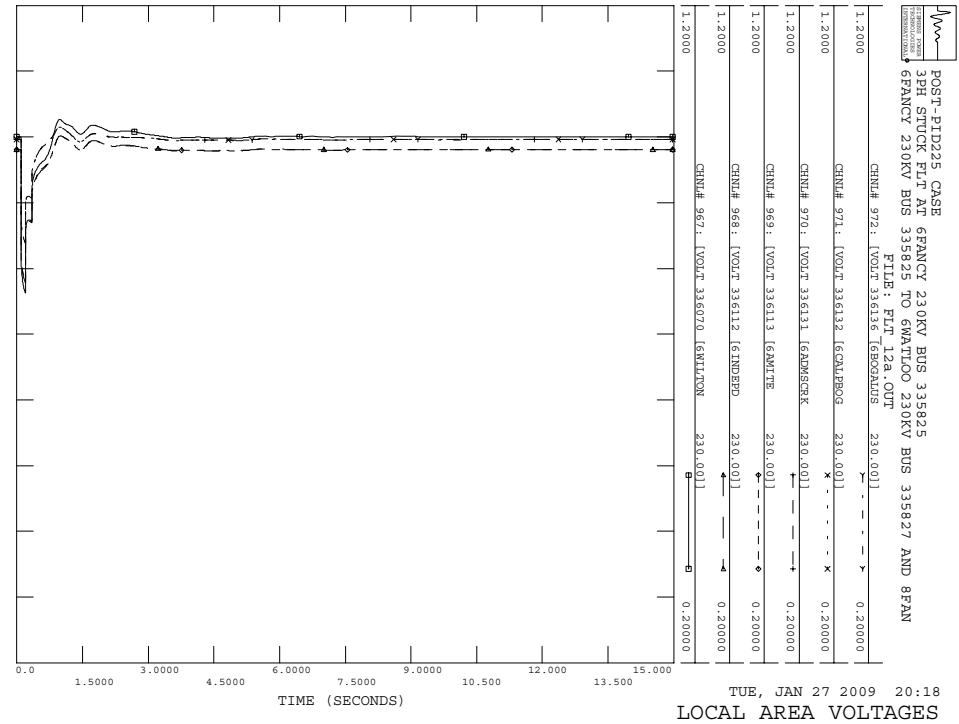


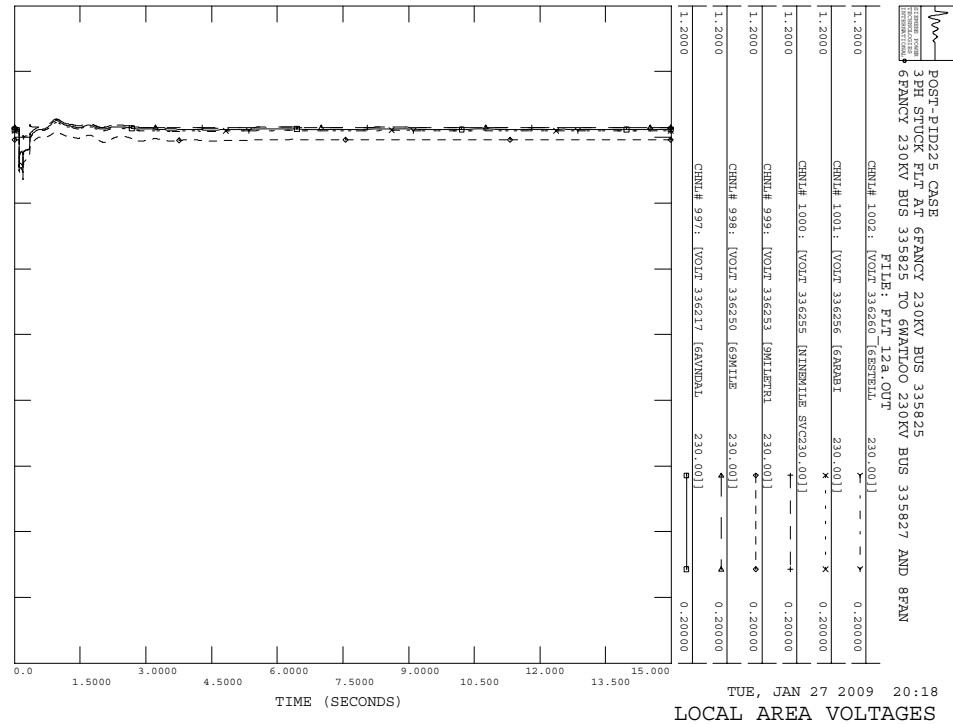
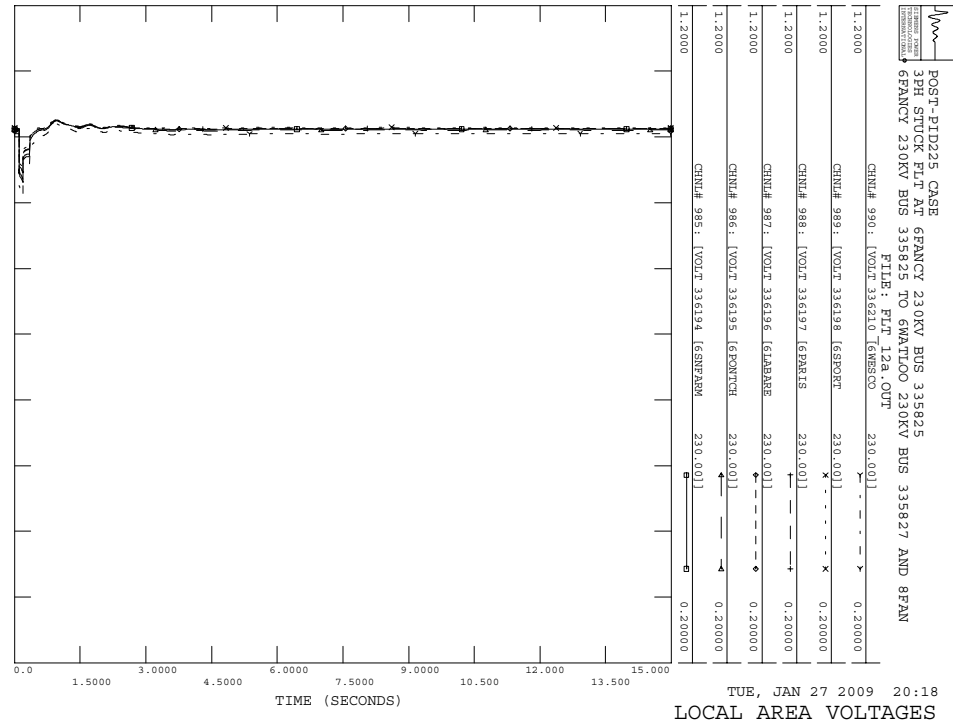
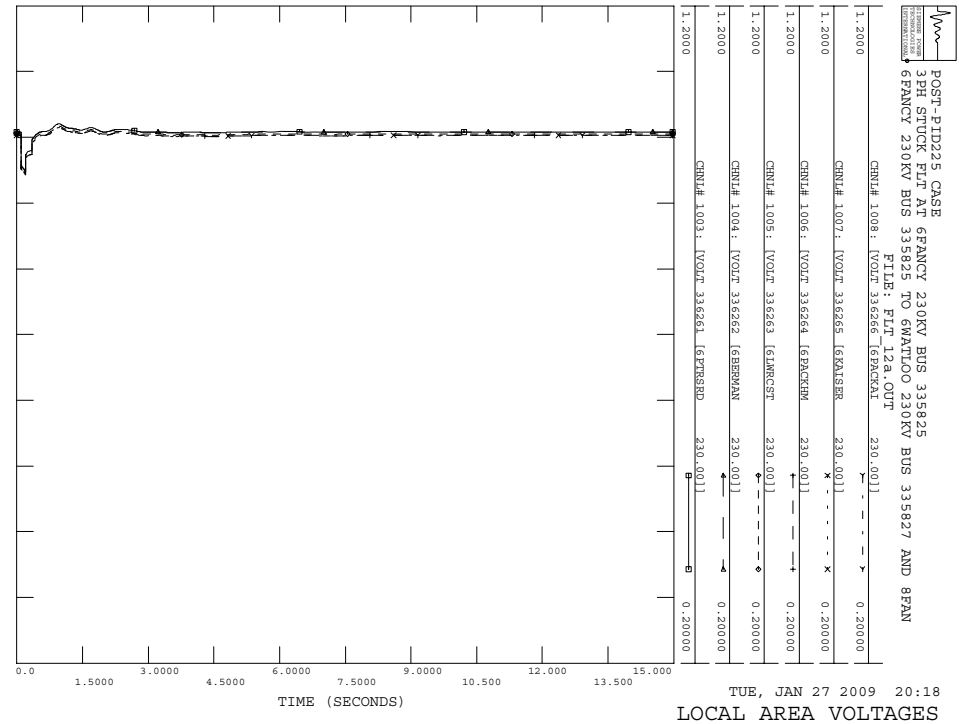
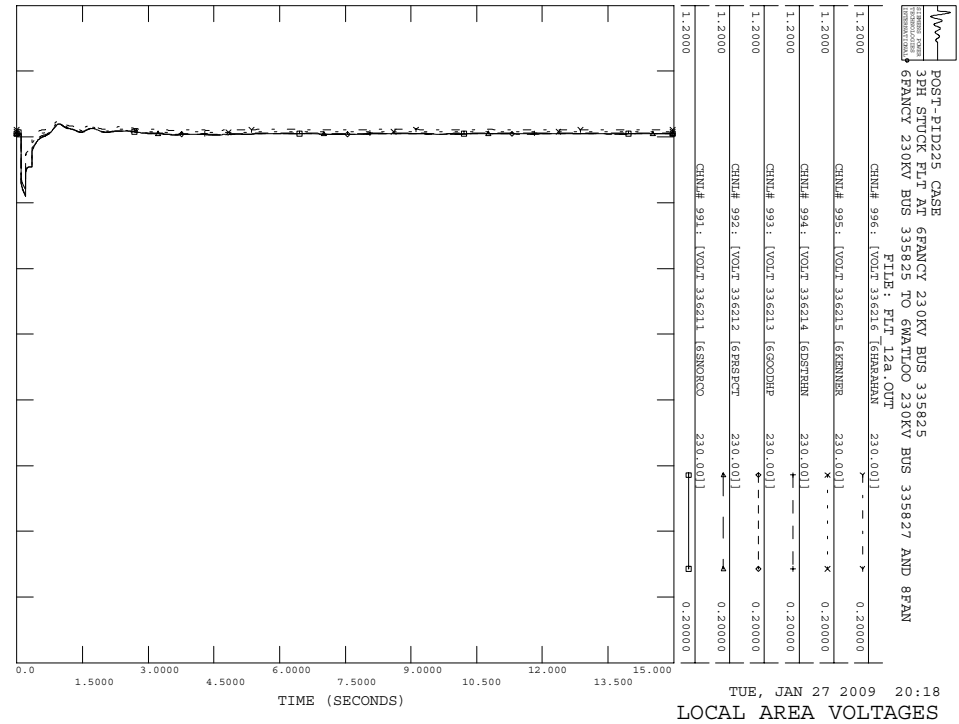


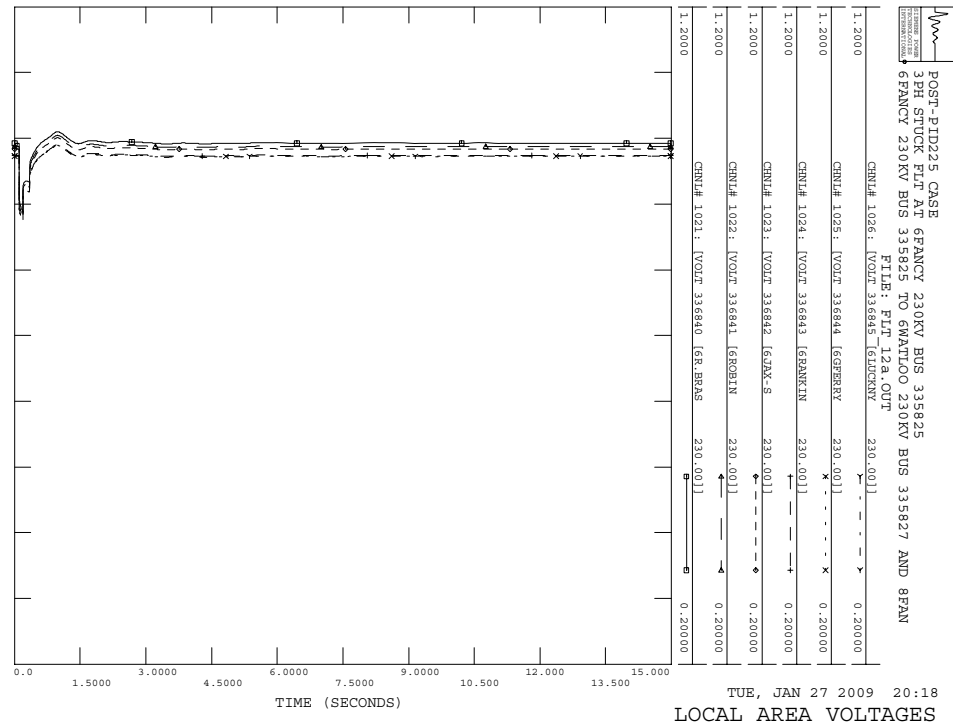
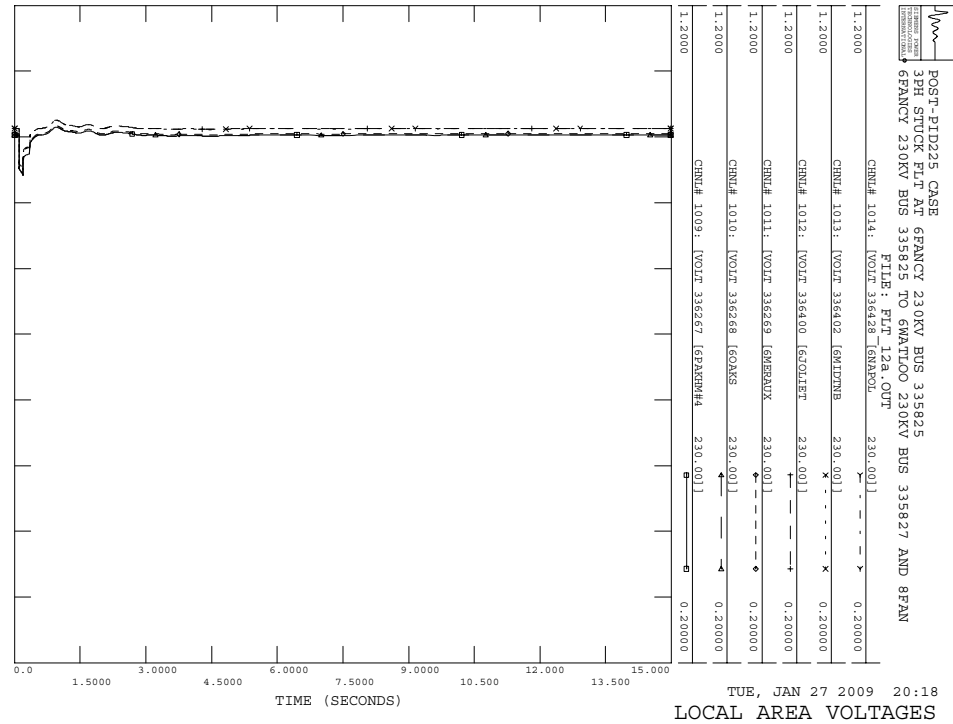
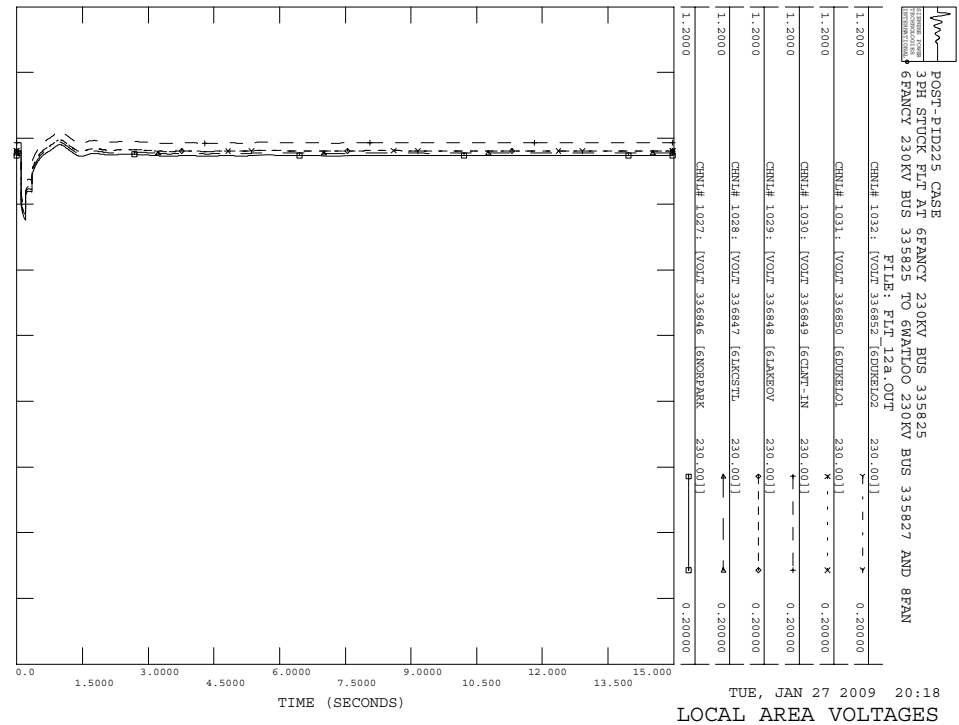
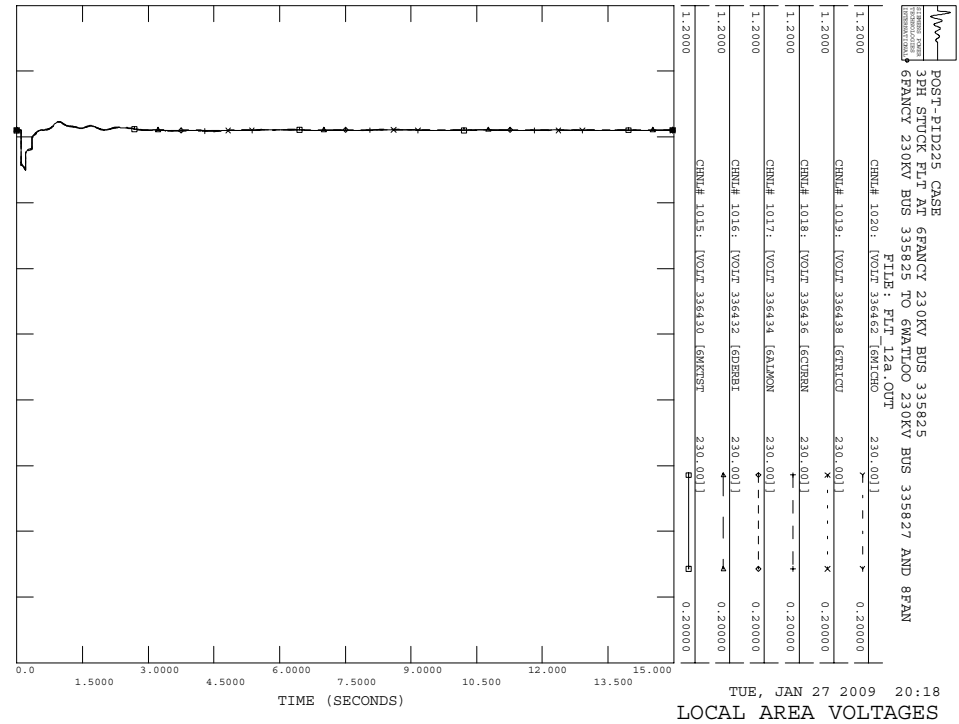


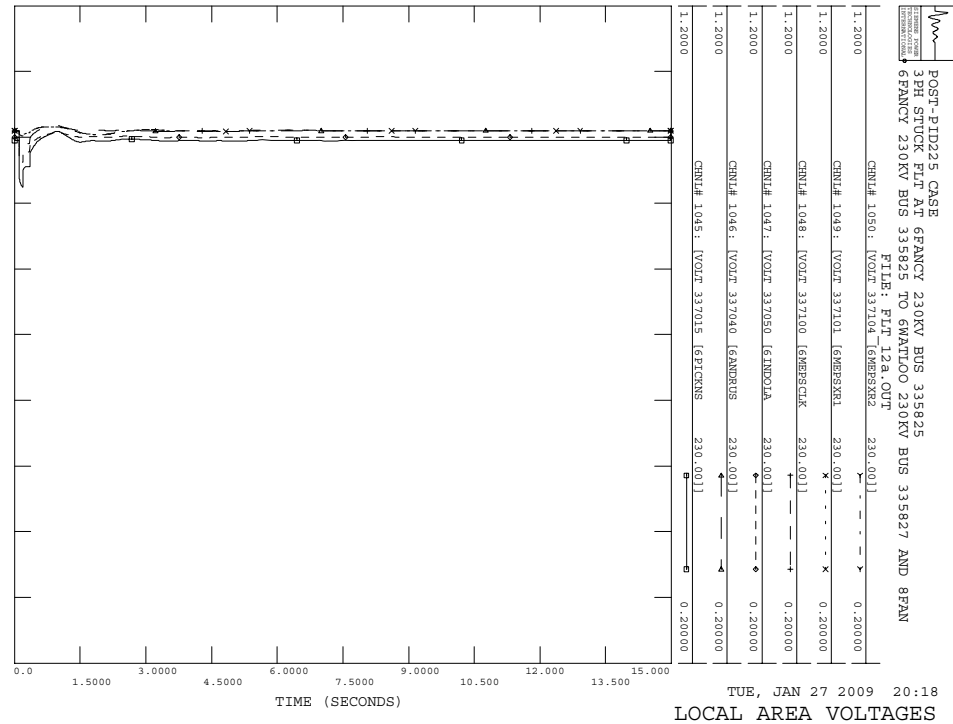
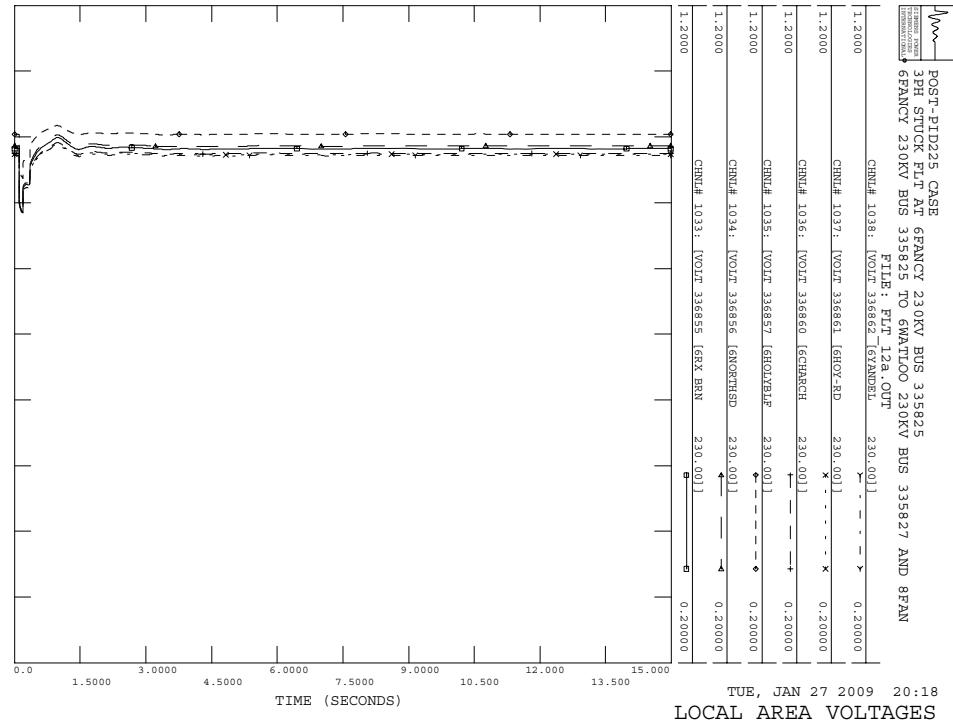
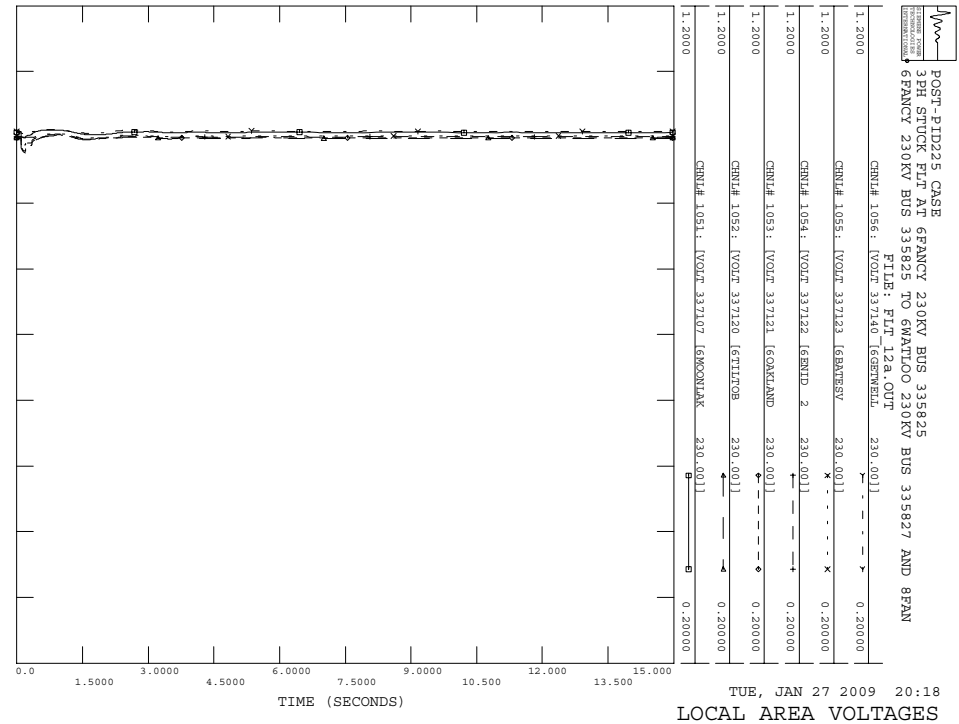
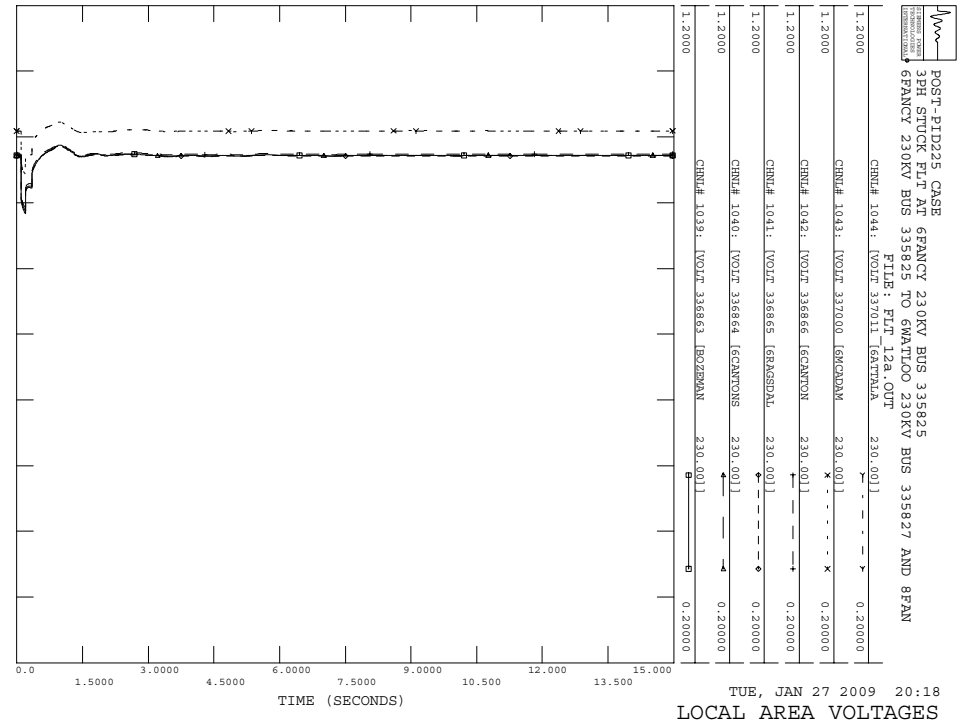


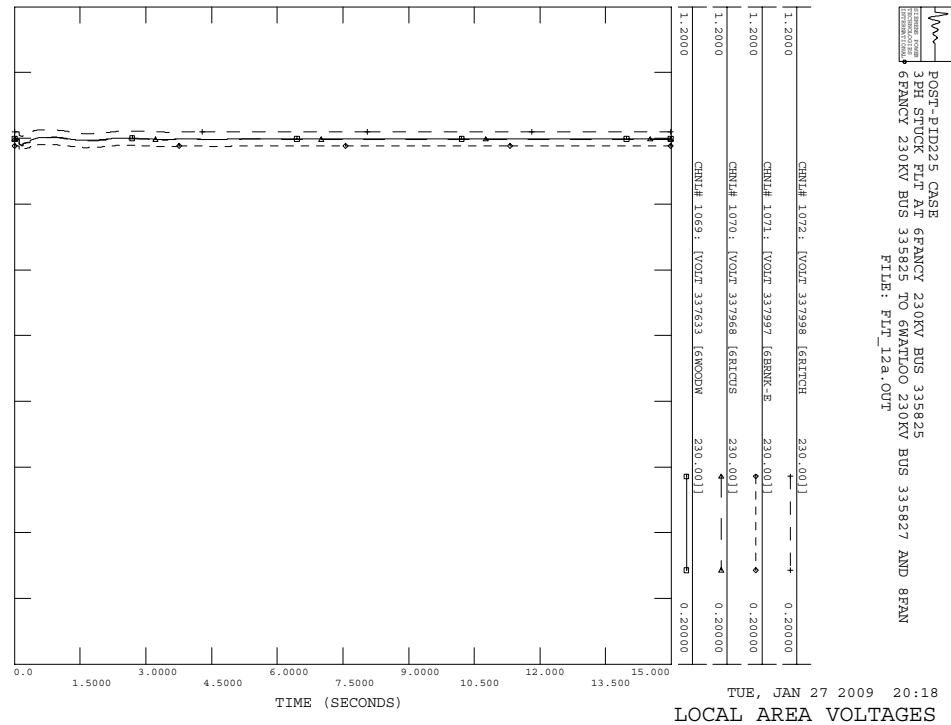
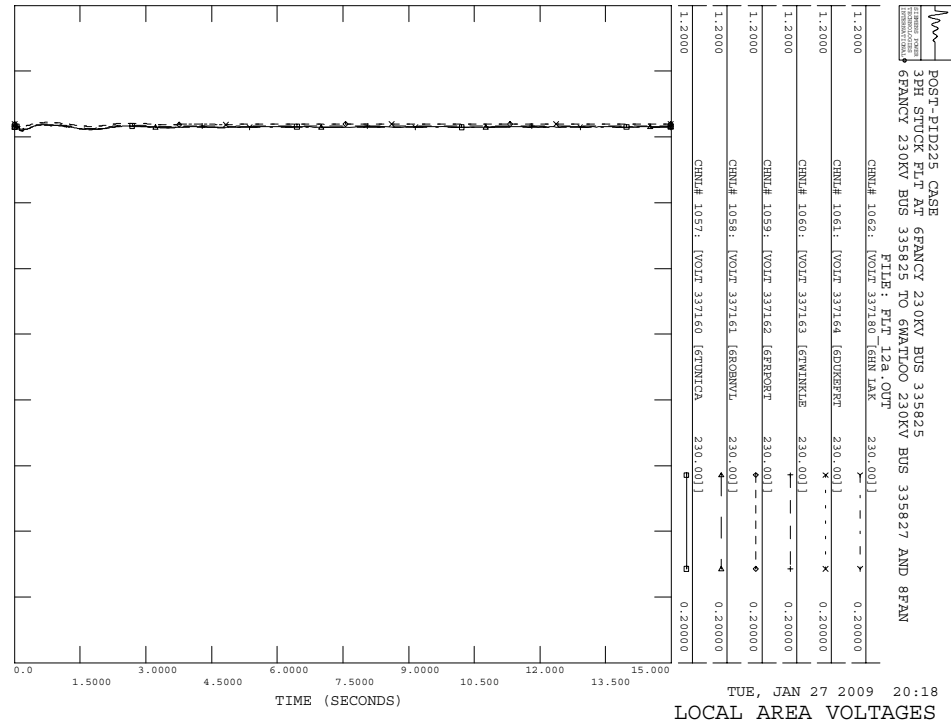
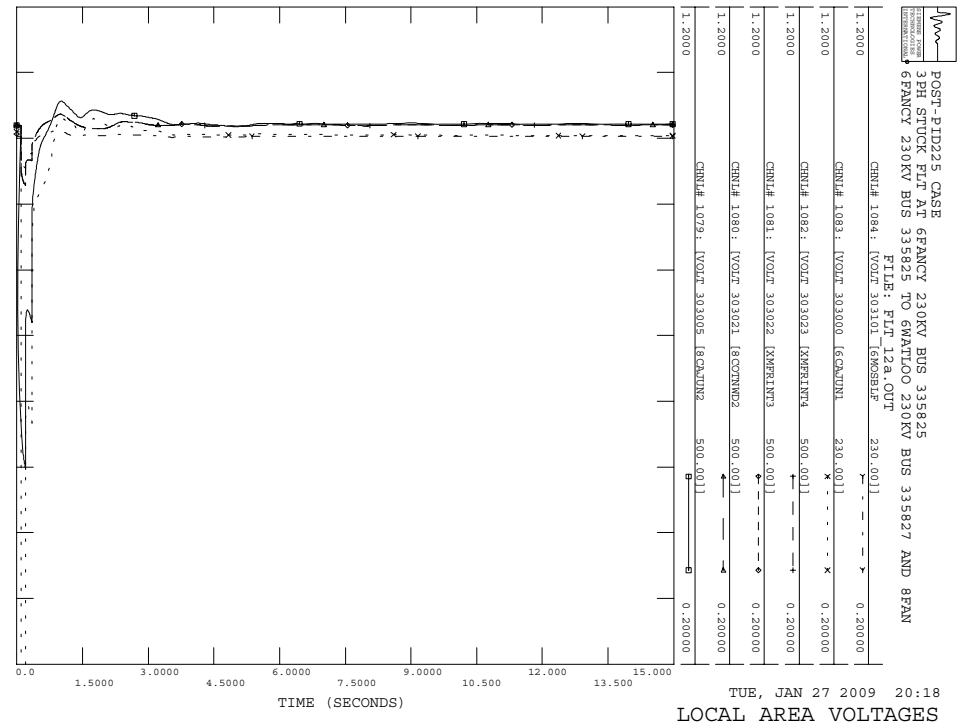
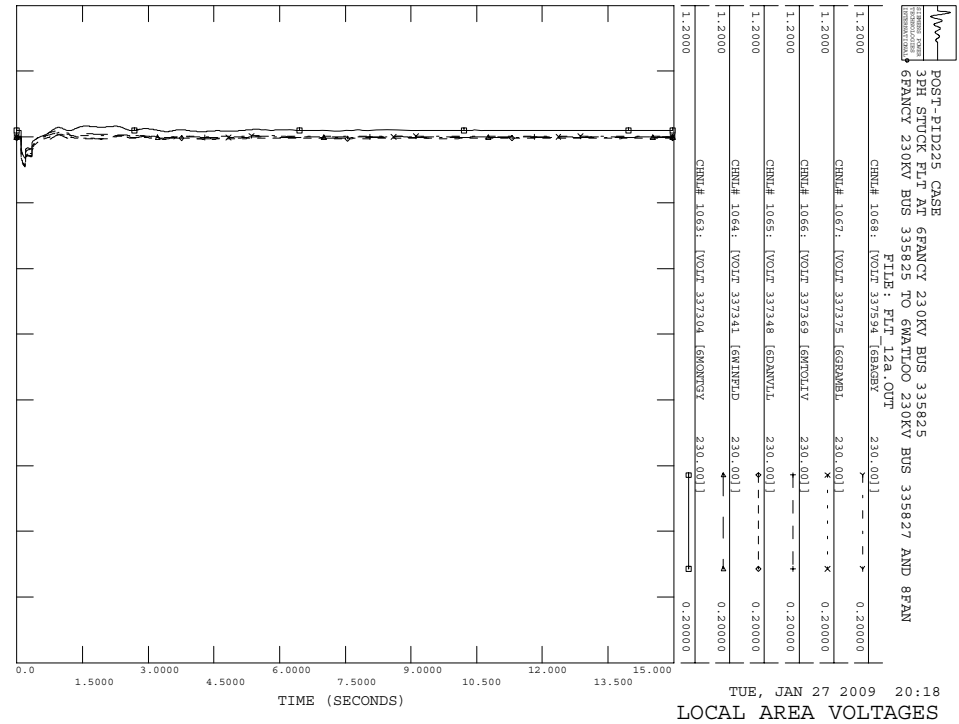


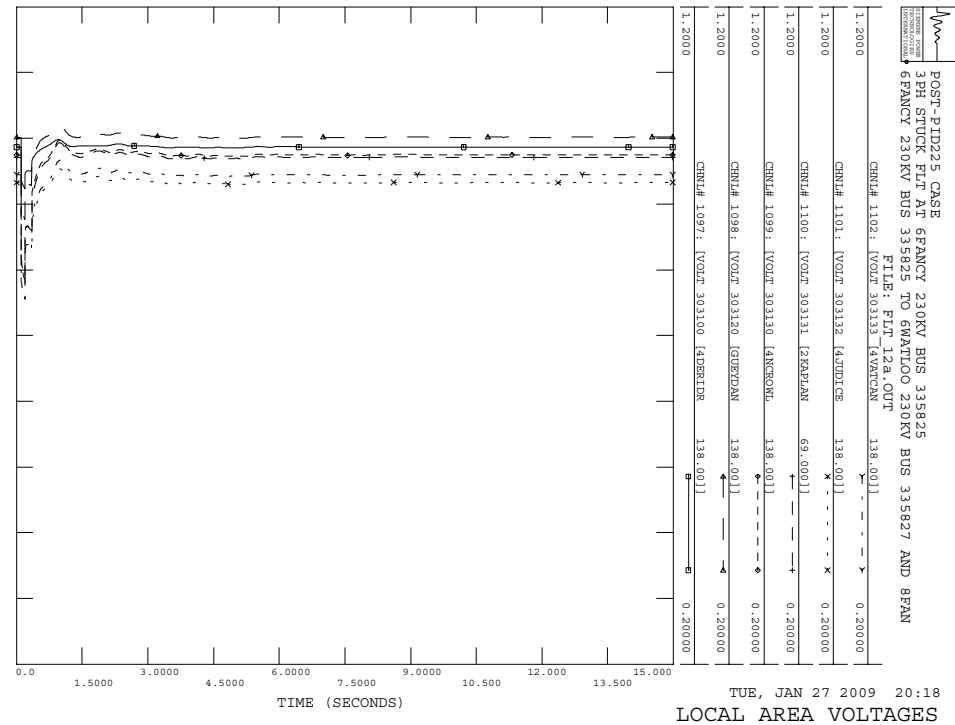
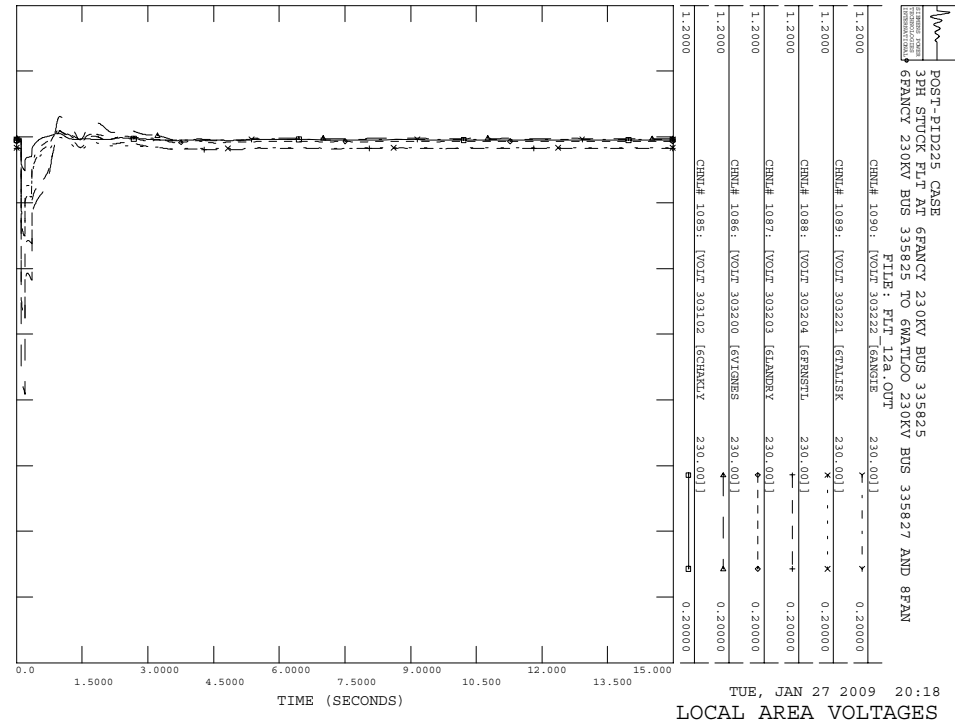
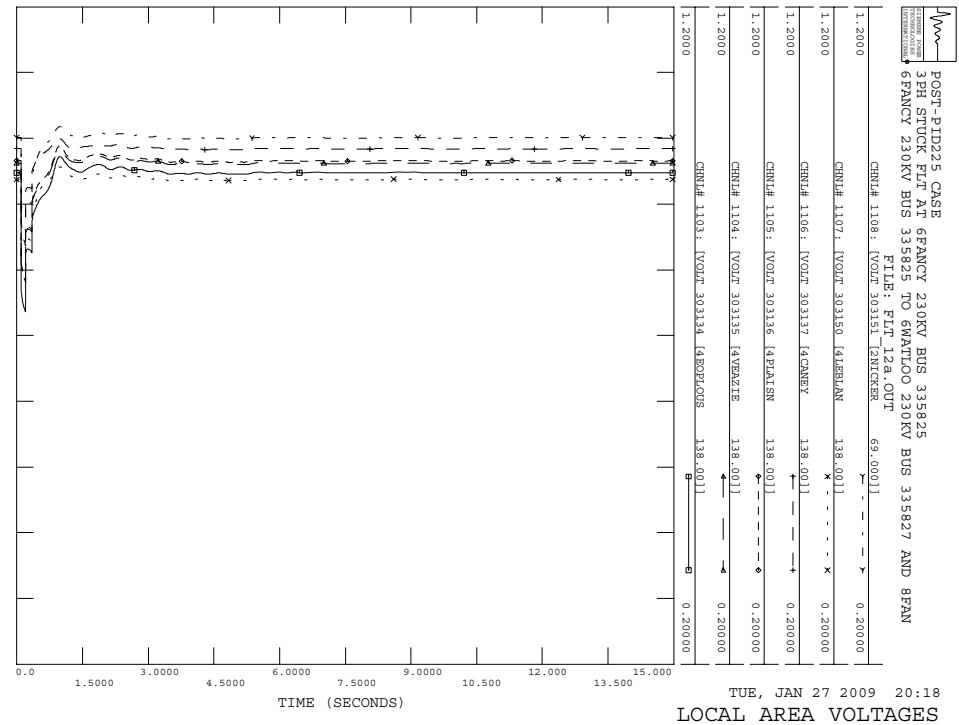
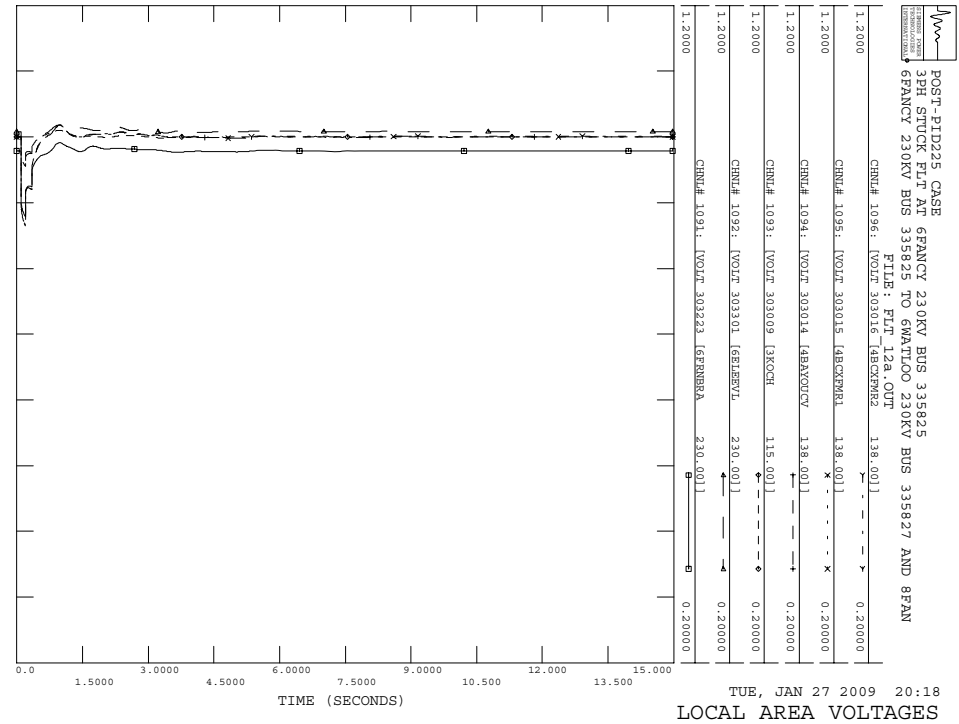


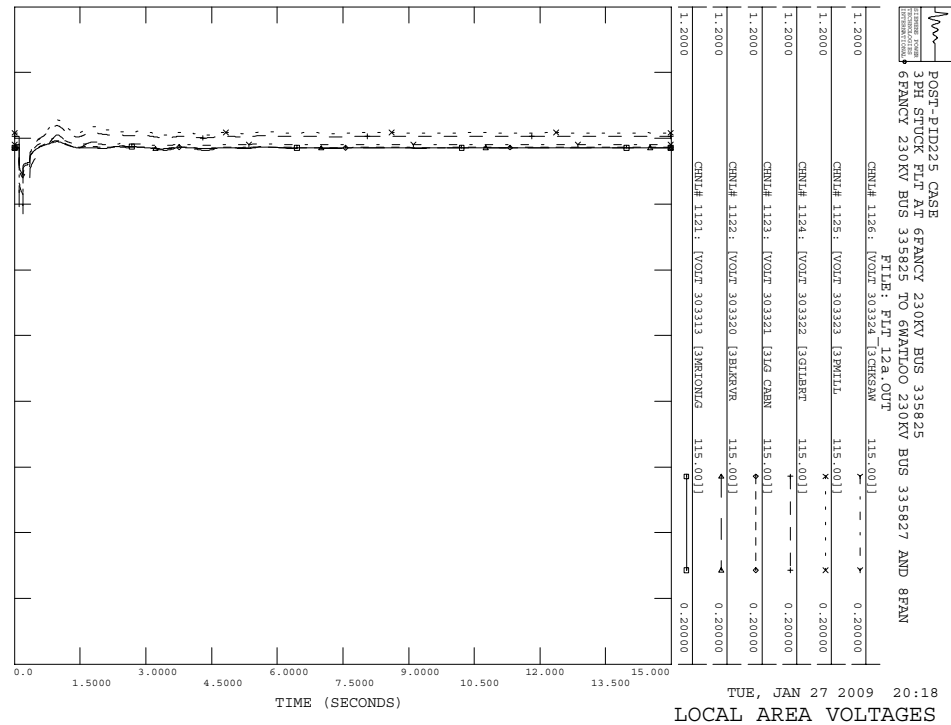
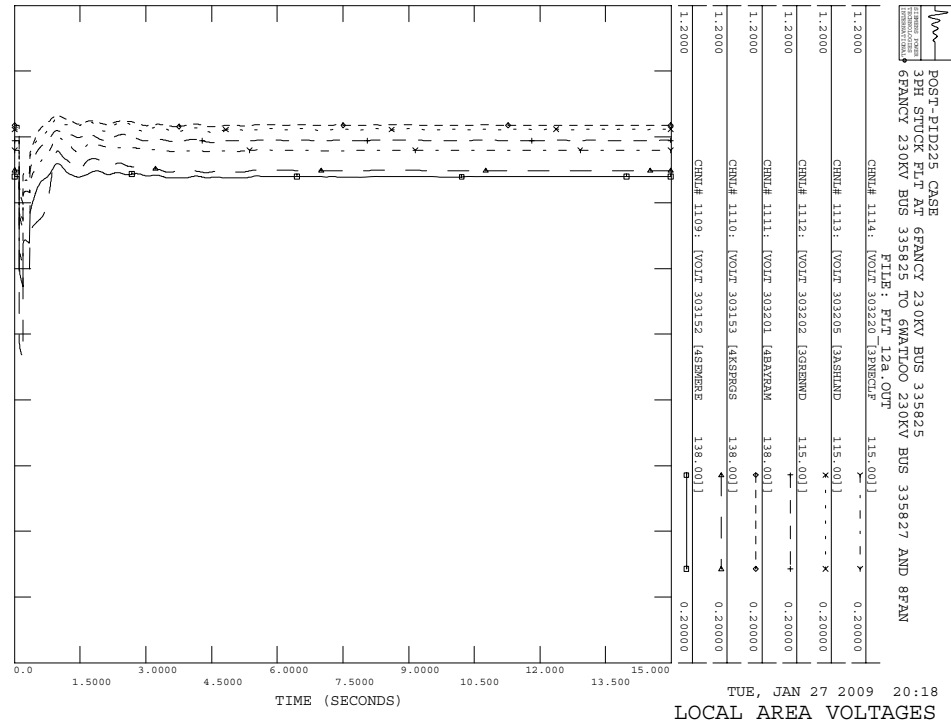
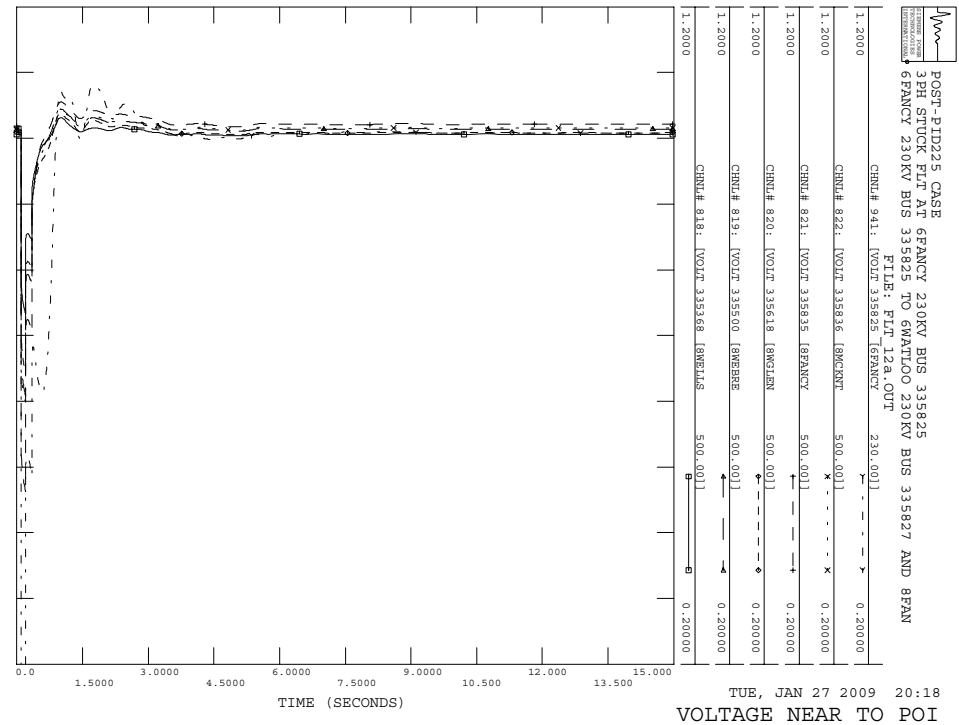
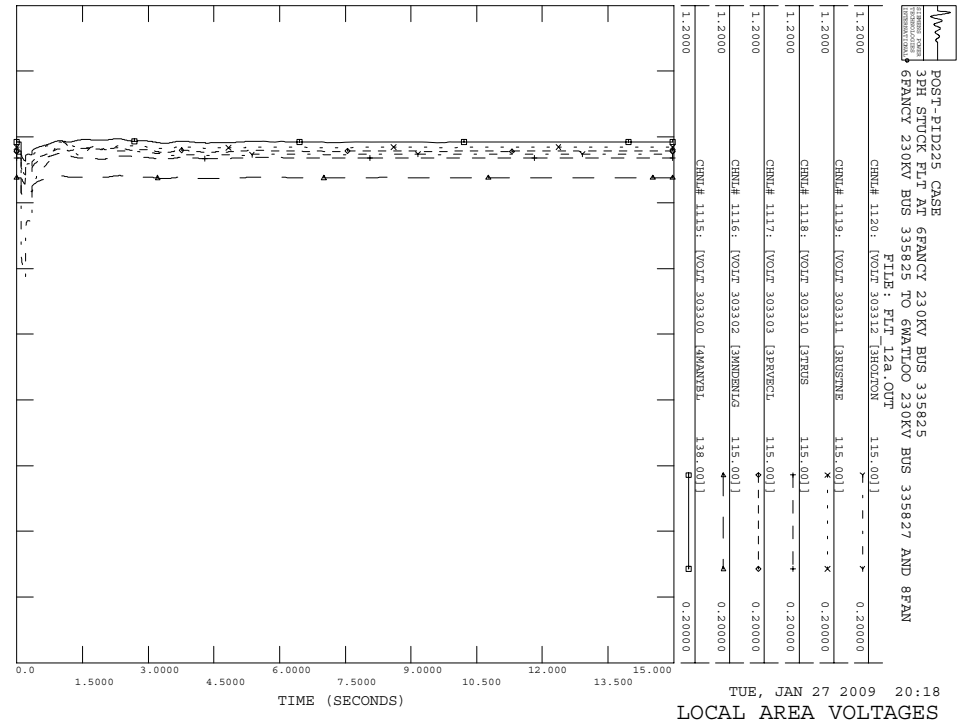




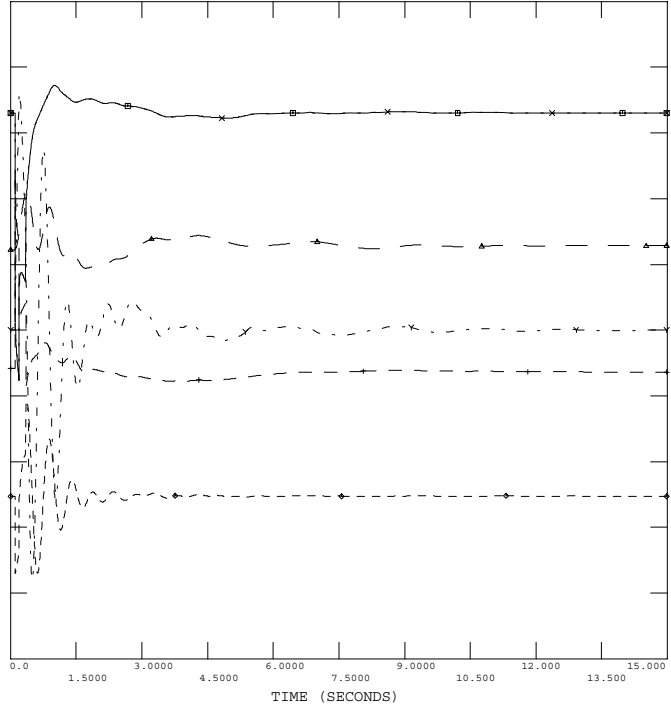
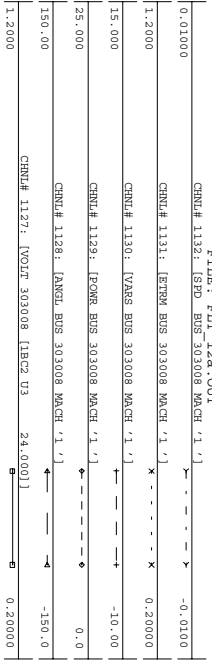








POST-PID225 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
68PANCY 230KV BUS 335825 TO 68MATICO 230KV BUS 335827 AND 8FAN
FILE: FLT_12A.OUT

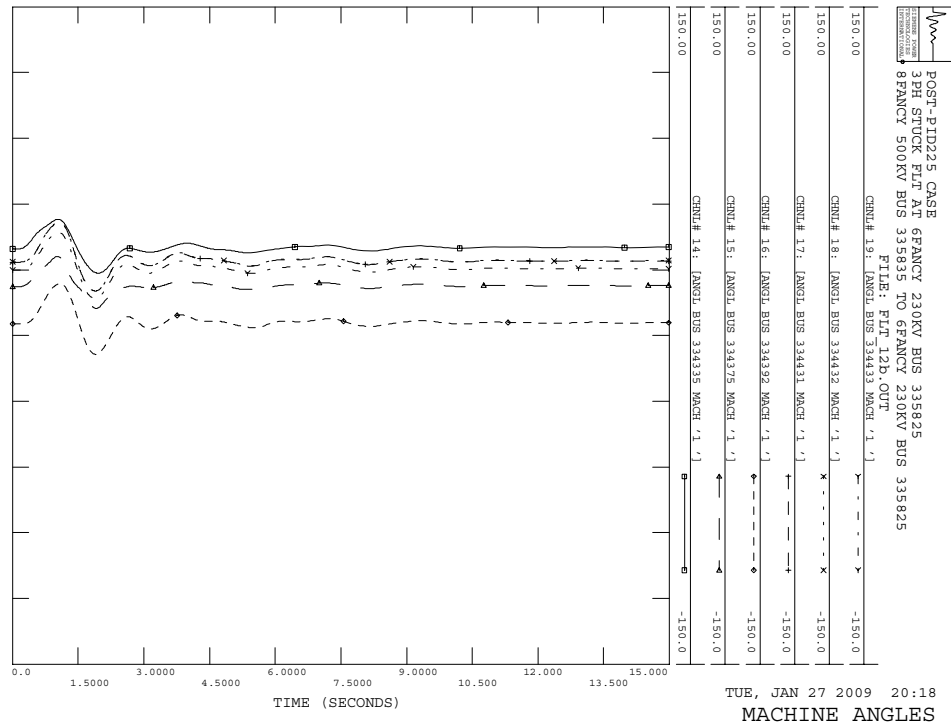
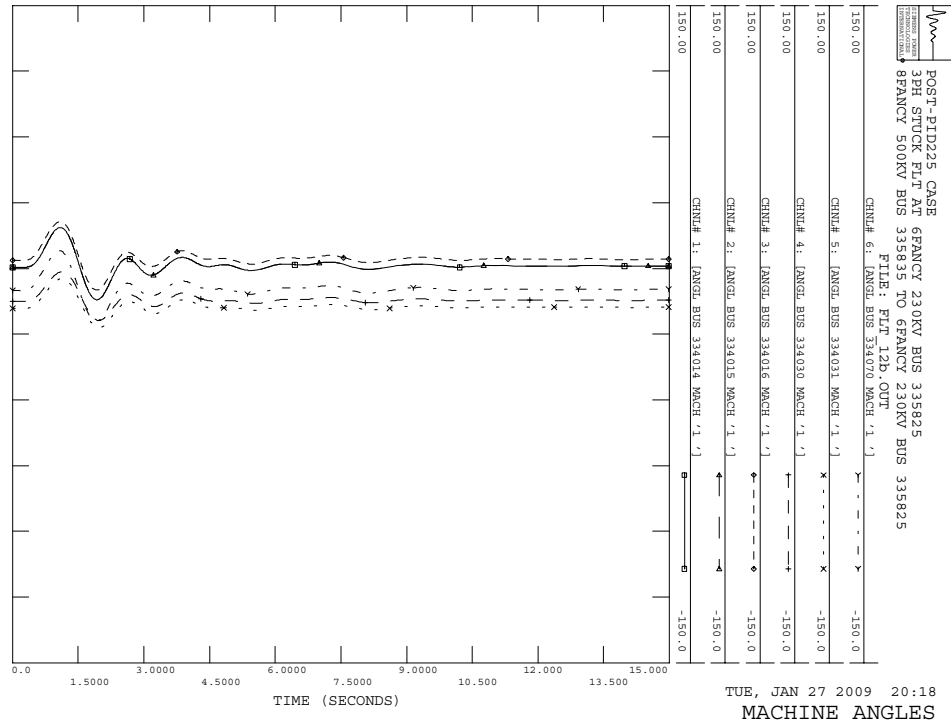
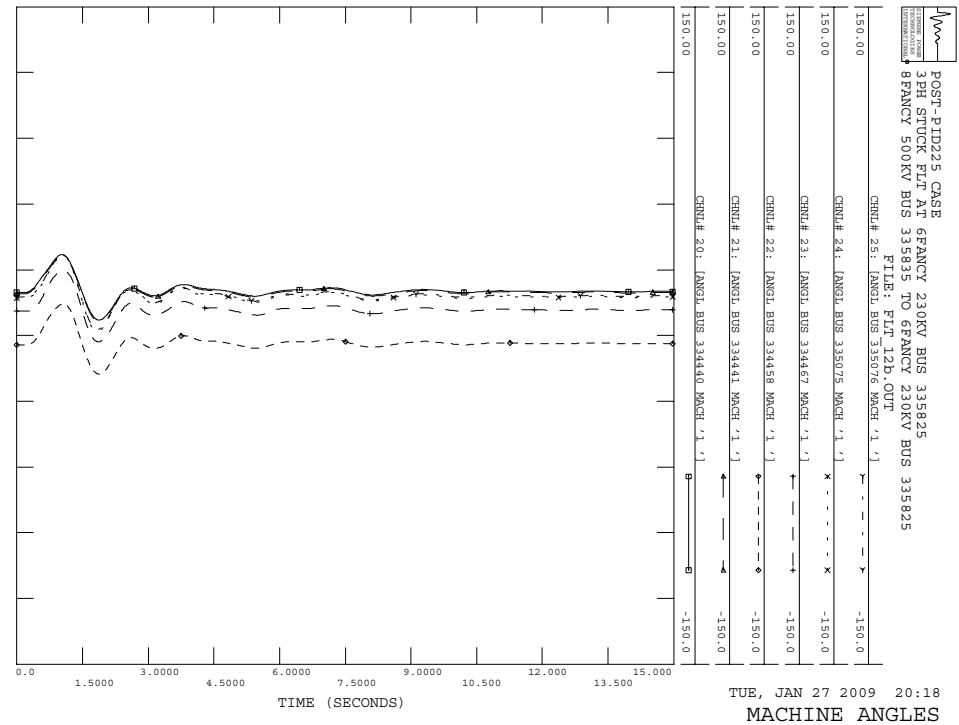
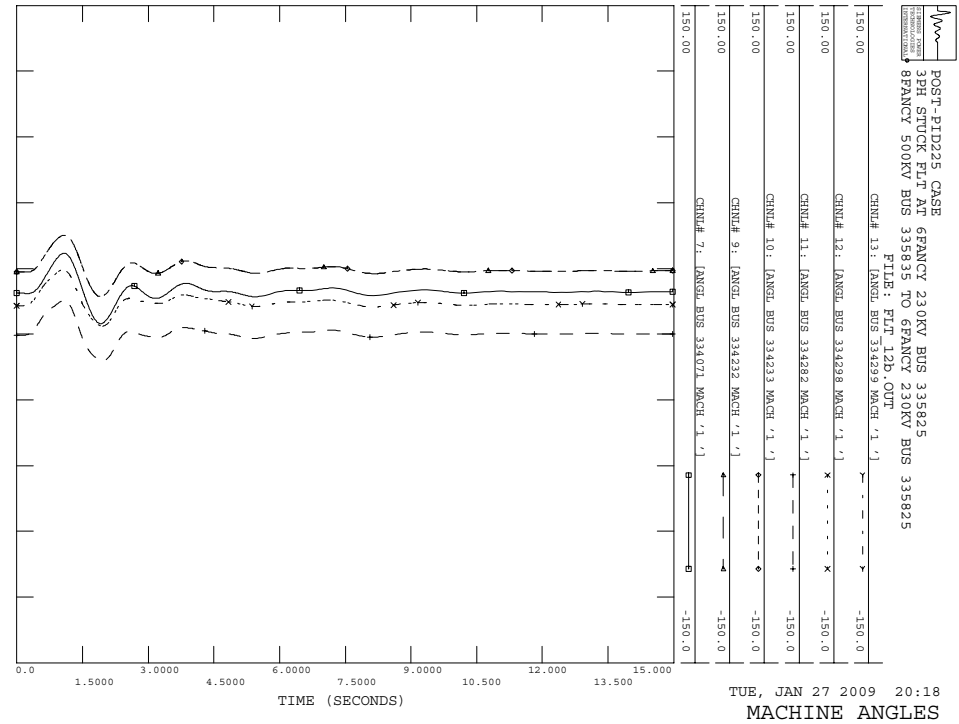


TUE, JAN 27 2009 20:18
PID-225 PLOTS

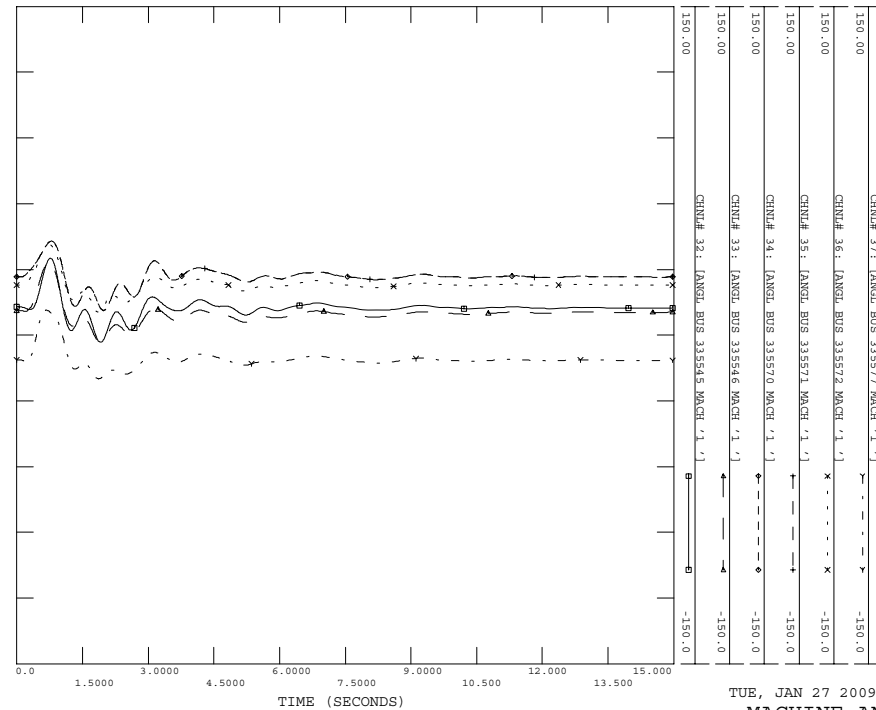
C.21 FLT_12b

Stuck breaker fault on the 6FANCY (#335825) to 8FANCY (#335835) branch, near the 6FANCY.

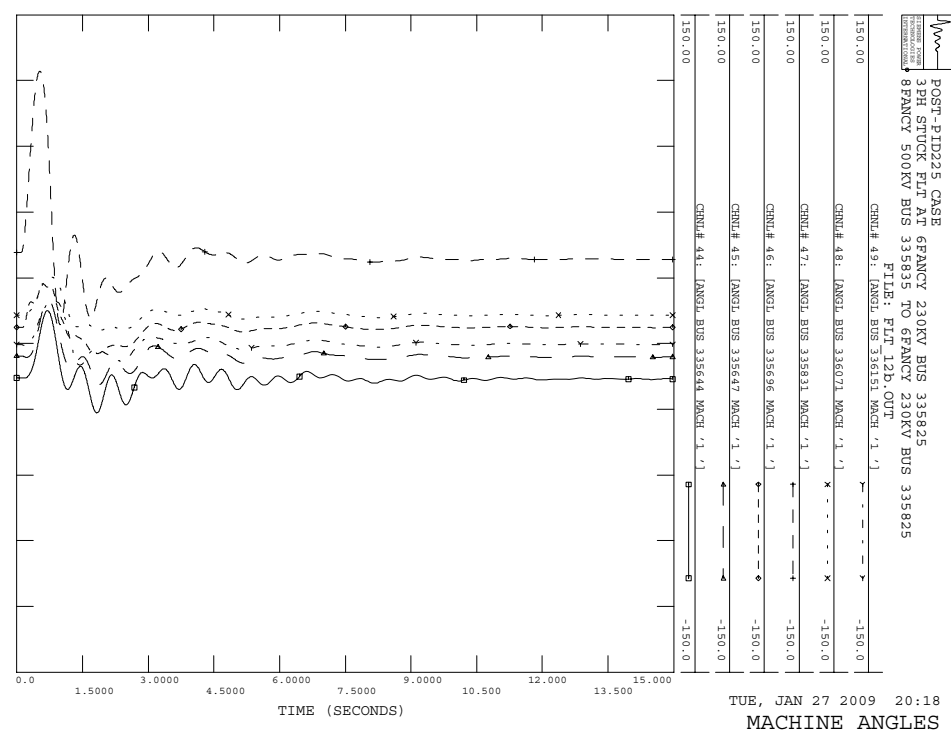
- a) Apply 3 Phase Fault AT 6FANCY 230KV BUS 335825
- b) Run fault for 6 cycles.
- c) Remove fault at 6FANCY 230KV BUS 335825
- d) Apply 3 Phase fault at #335825 with admittance $753.86 -j 10222.88$ MVA
- e) Clear fault after 9 cycles by tripping branch from 8FANCY 500KV BUS 335835 TO 6FANCY 230KV BUS 335825



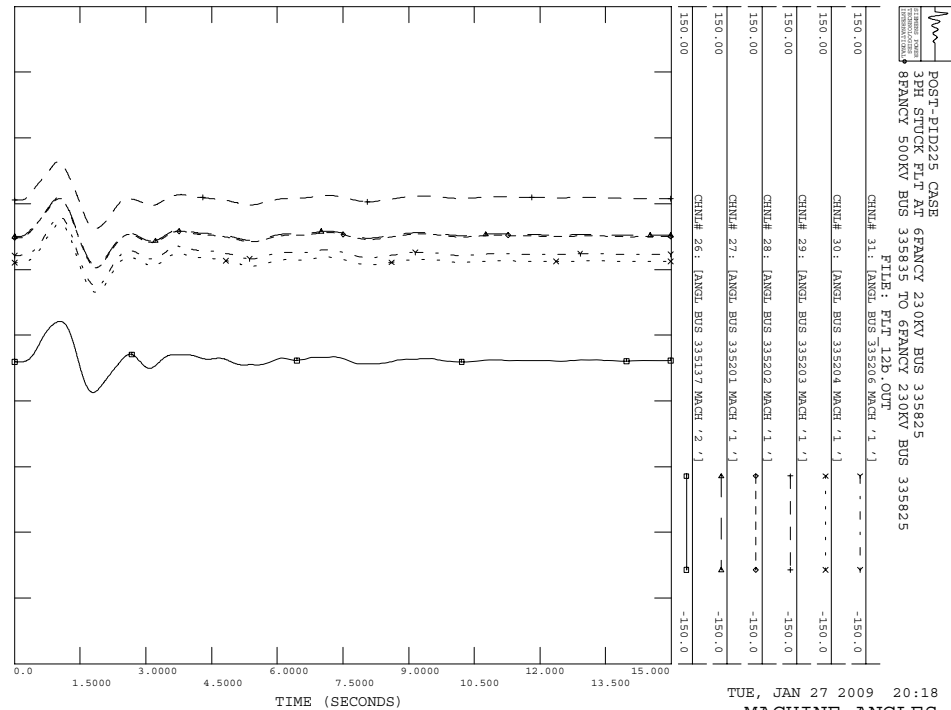
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12b.OUT



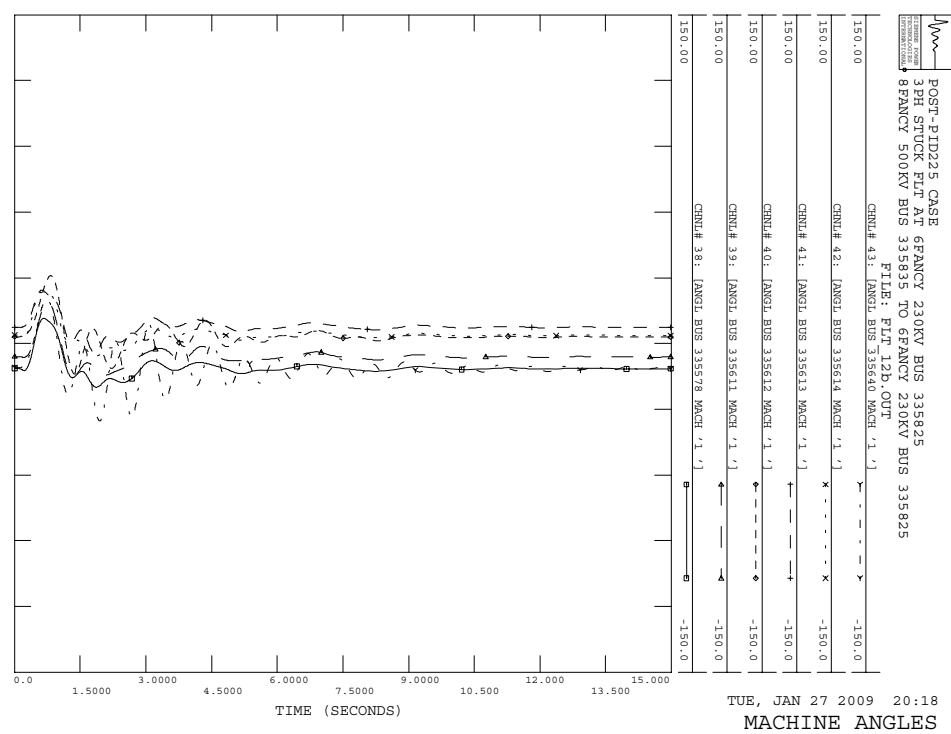
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12b.OUT



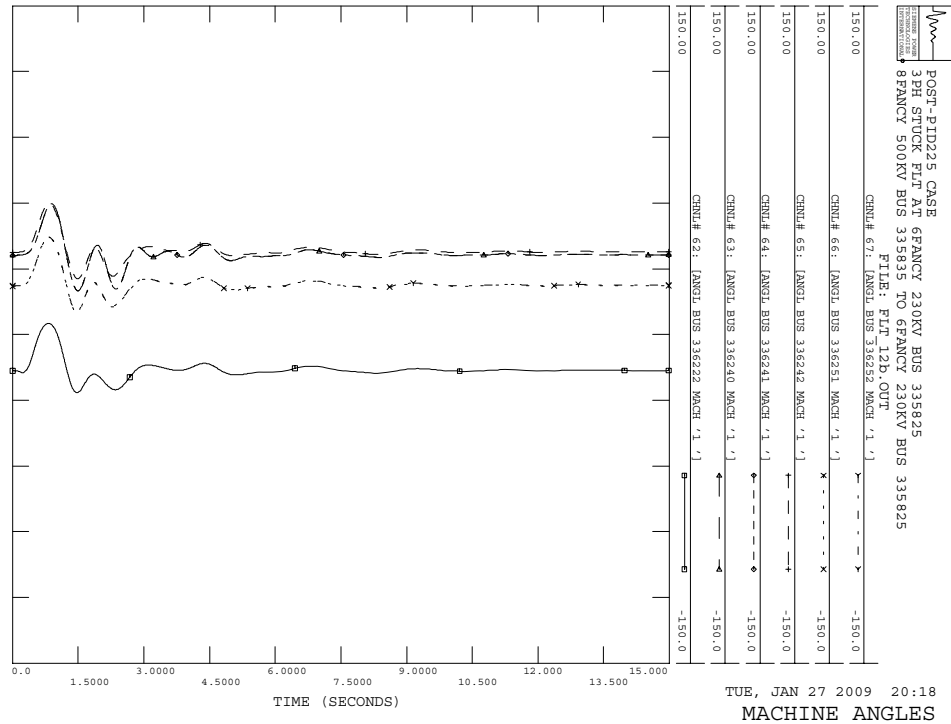
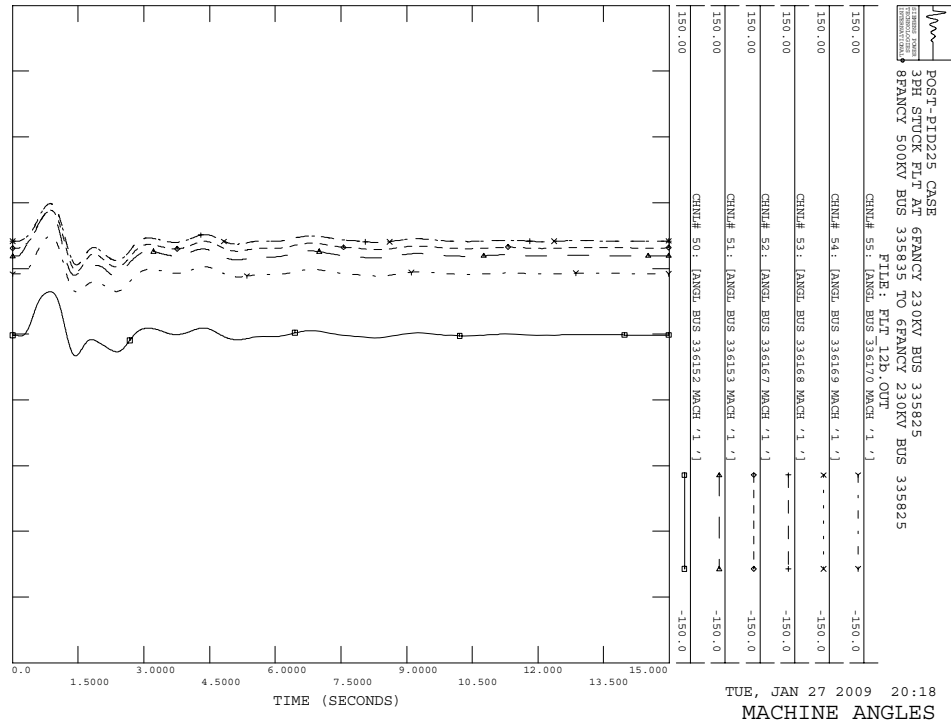
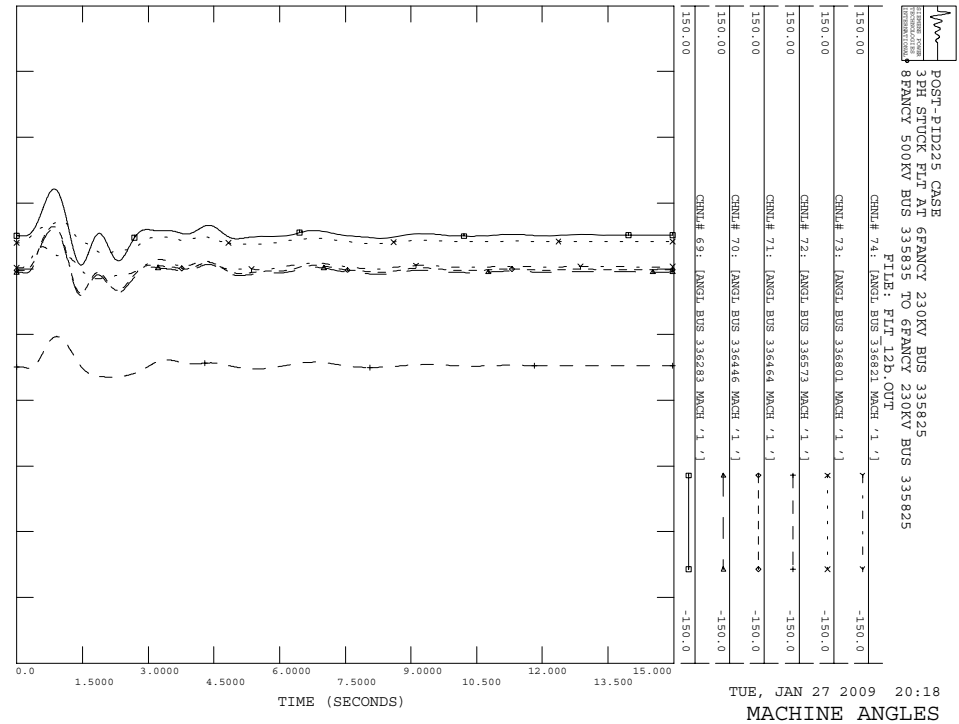
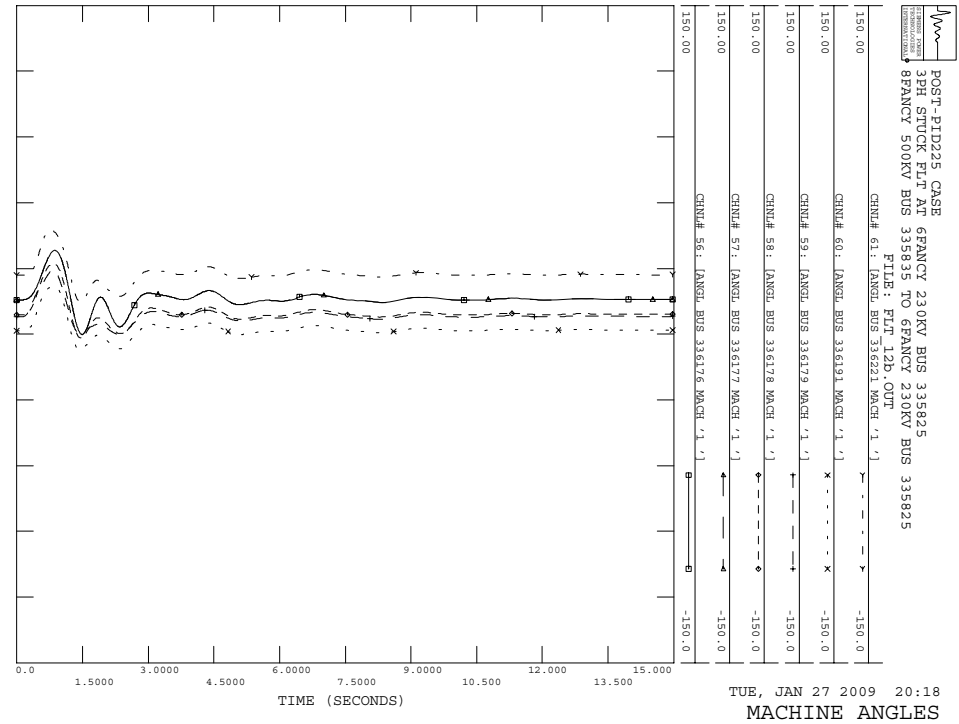
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12b.OUT

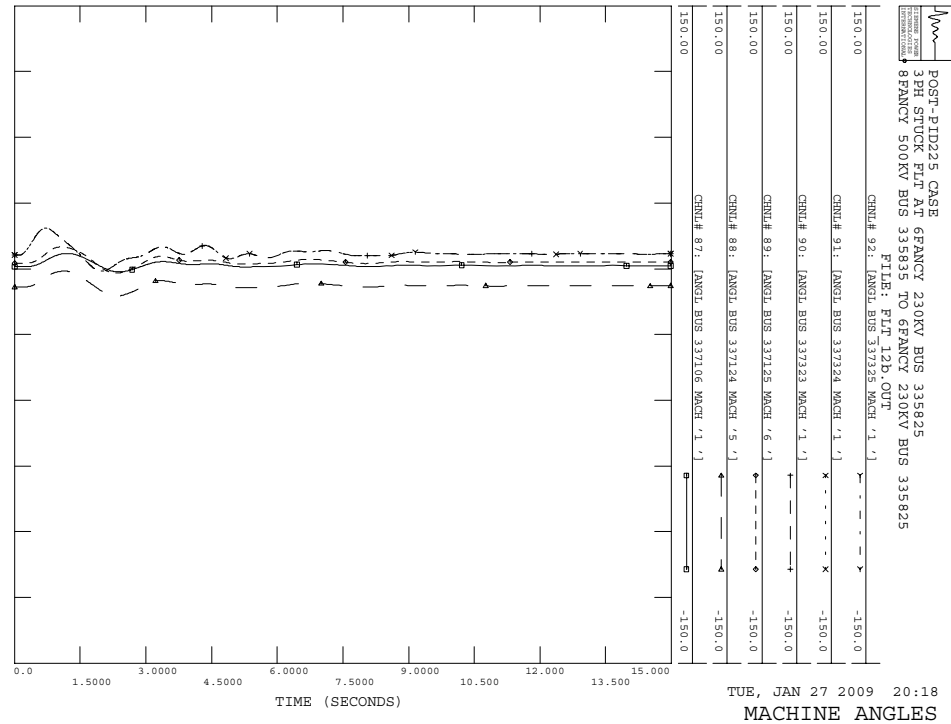
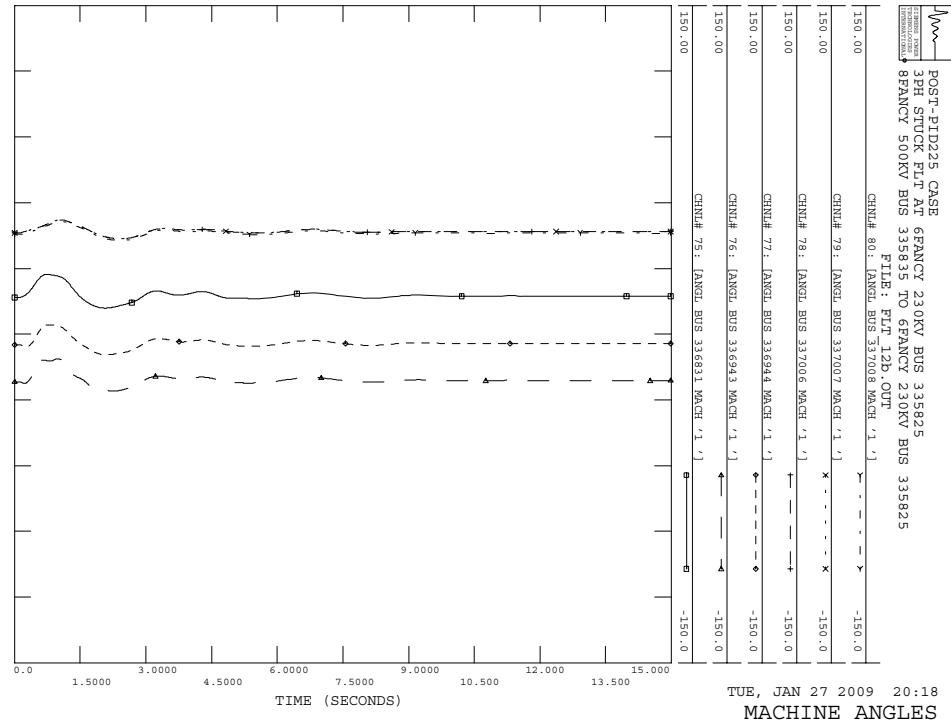
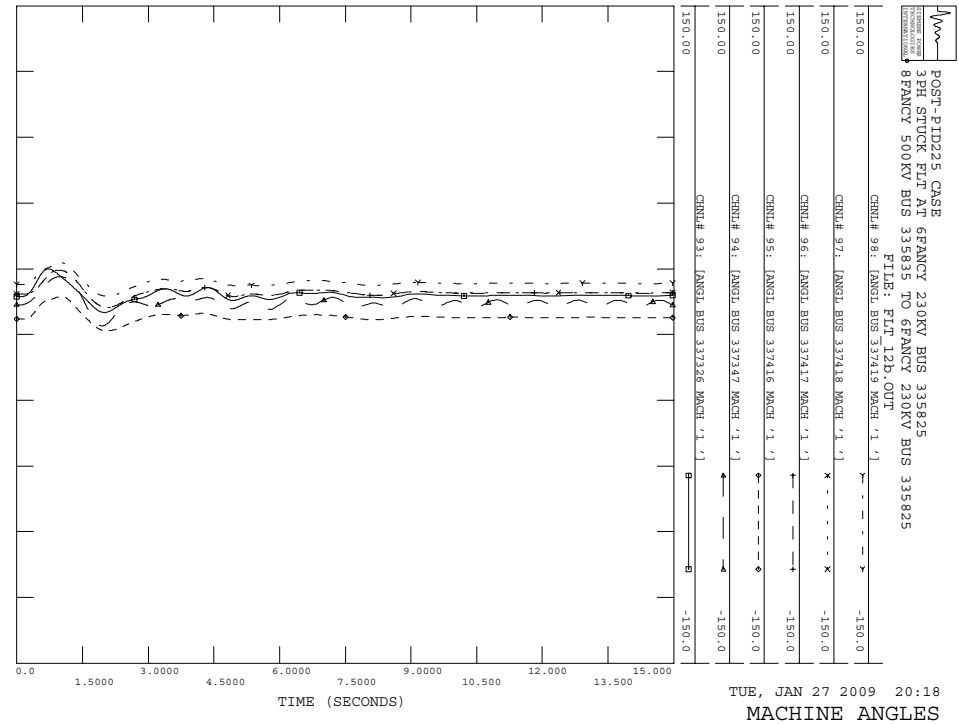
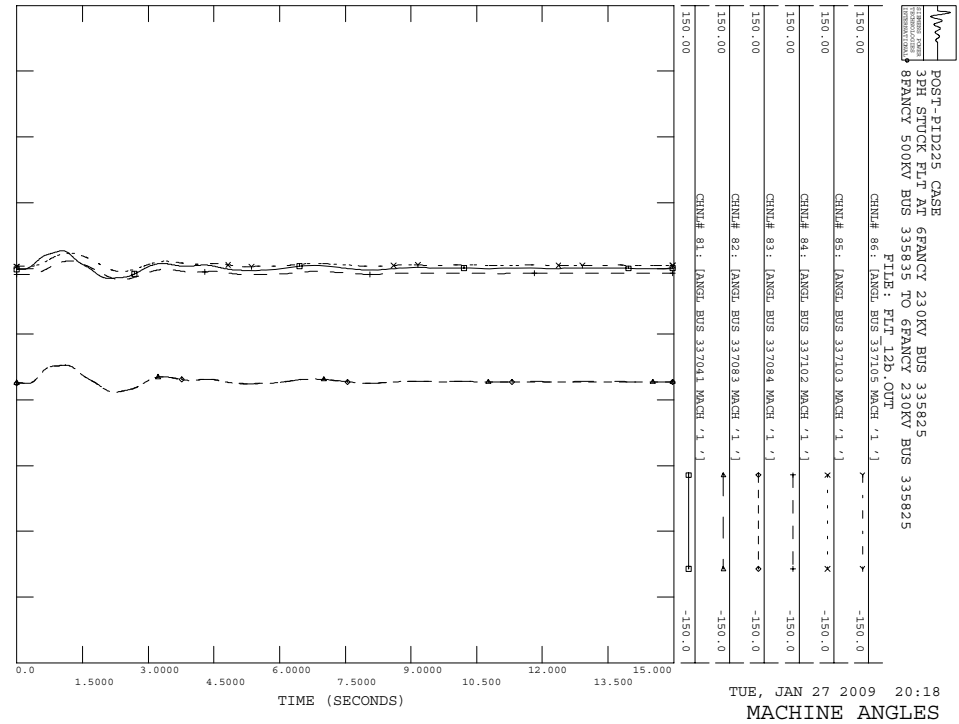


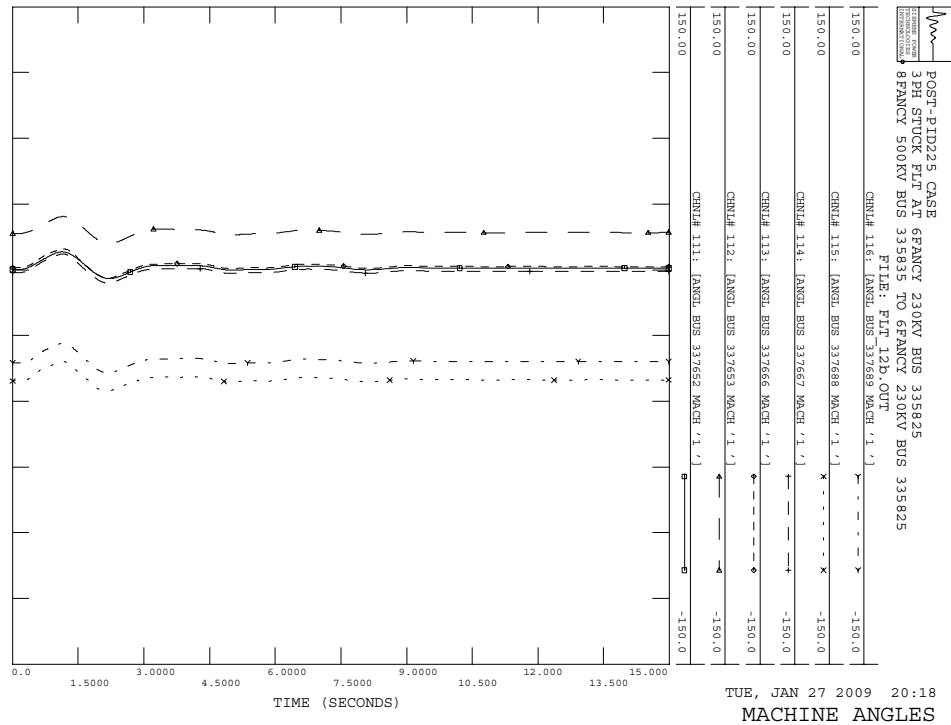
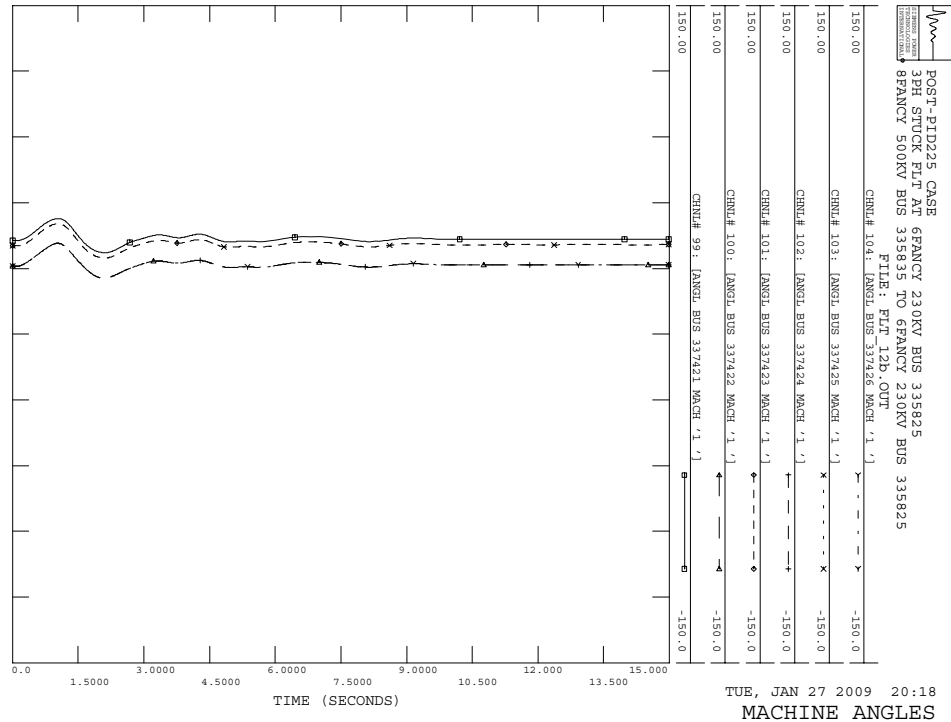
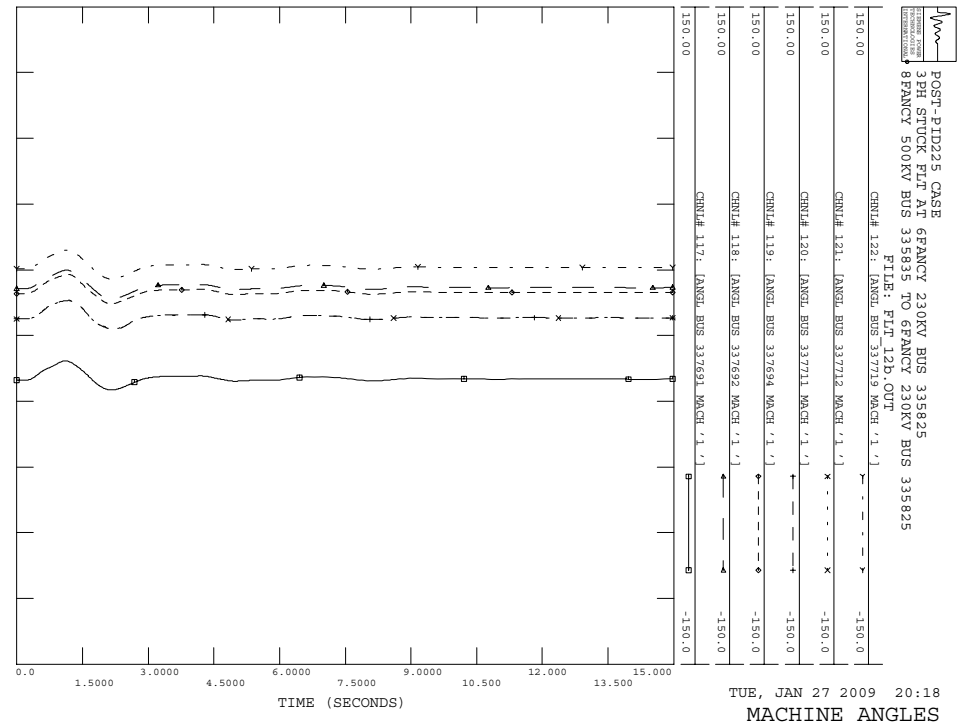
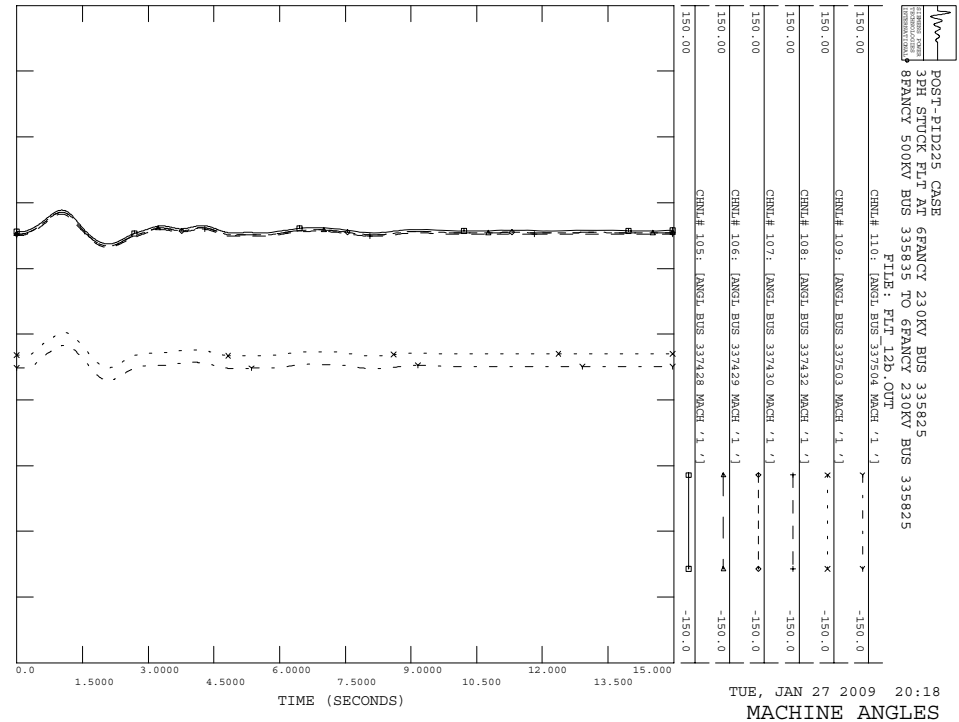
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12b.OUT

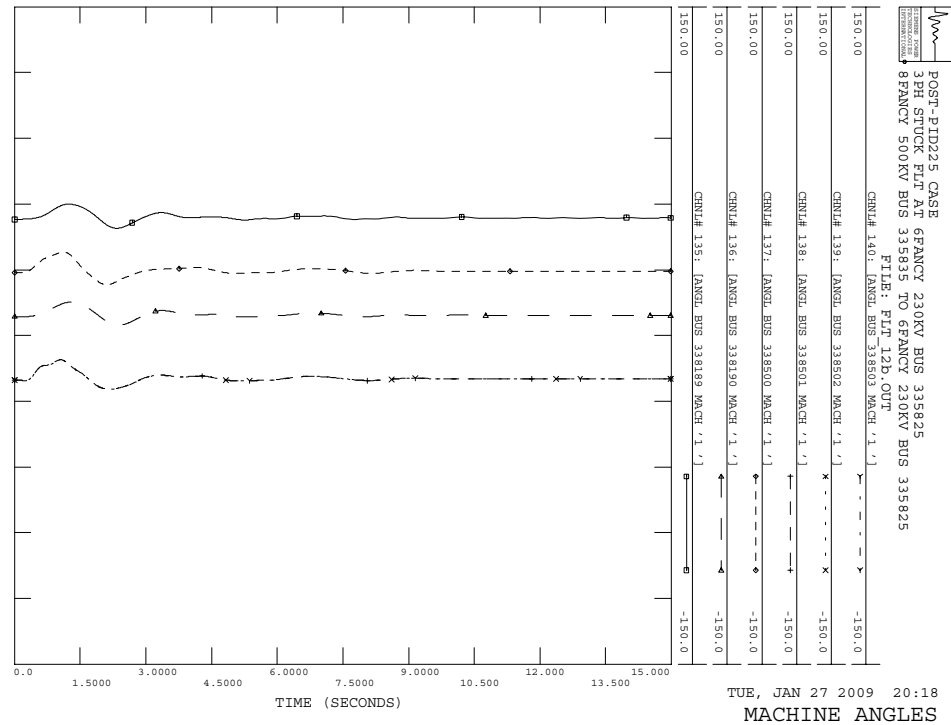
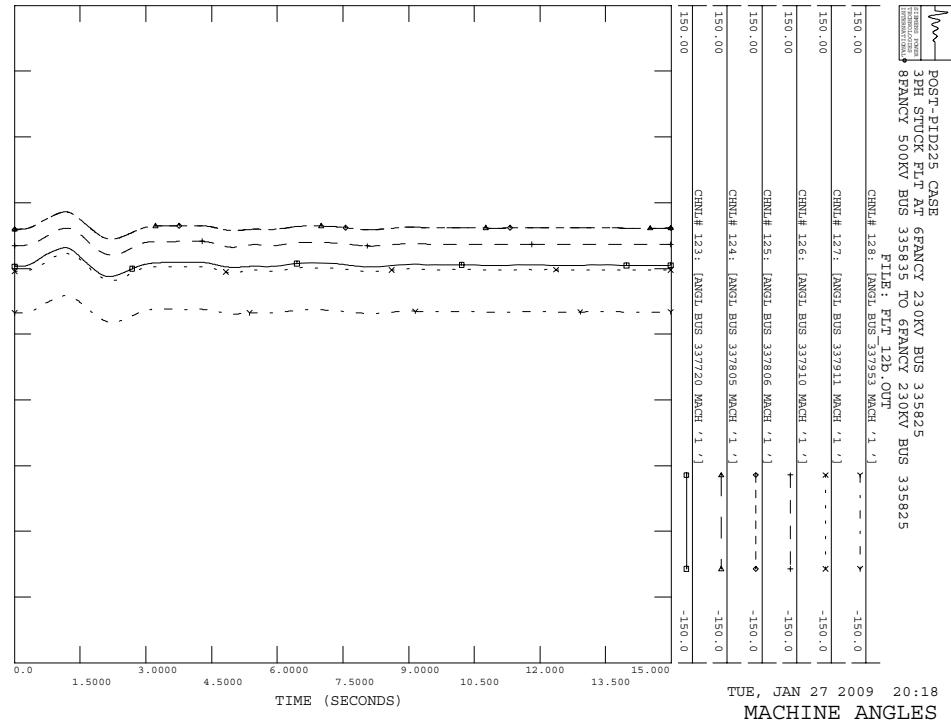
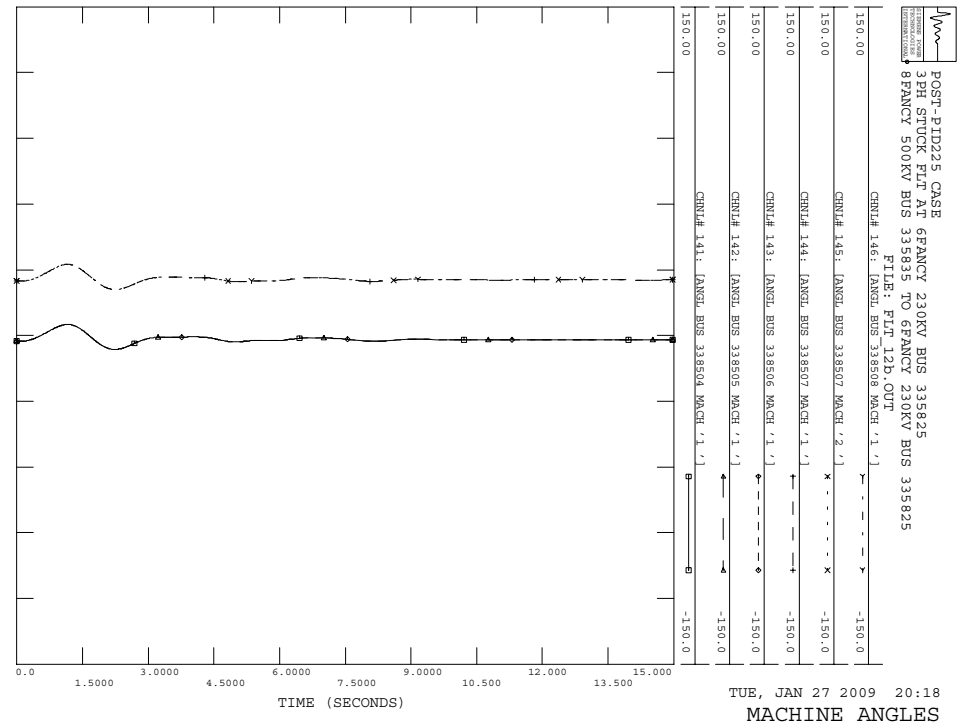
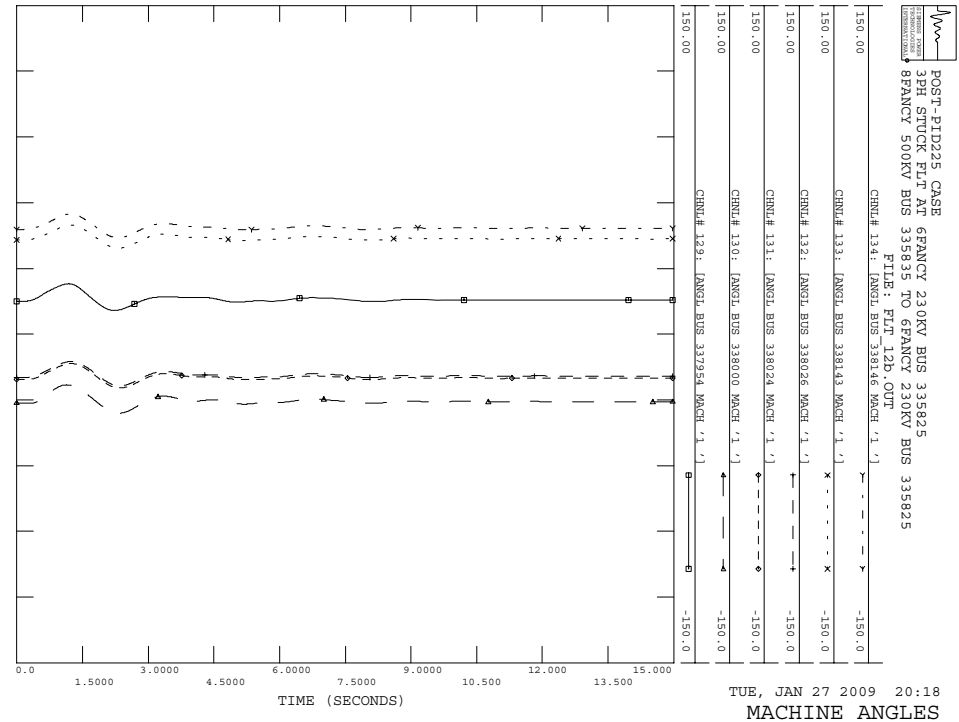


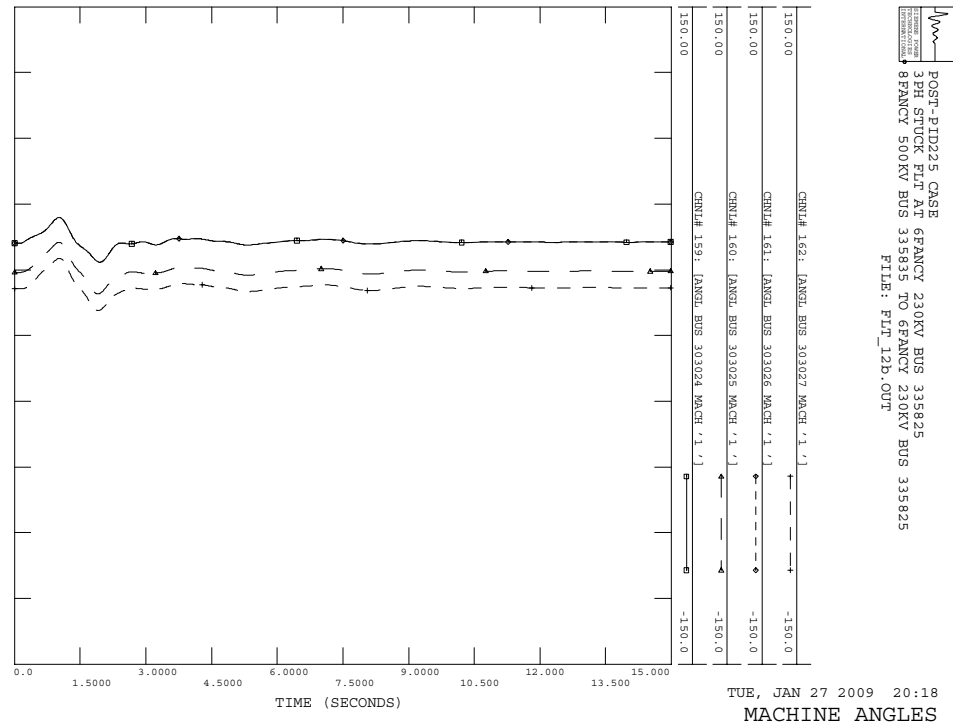
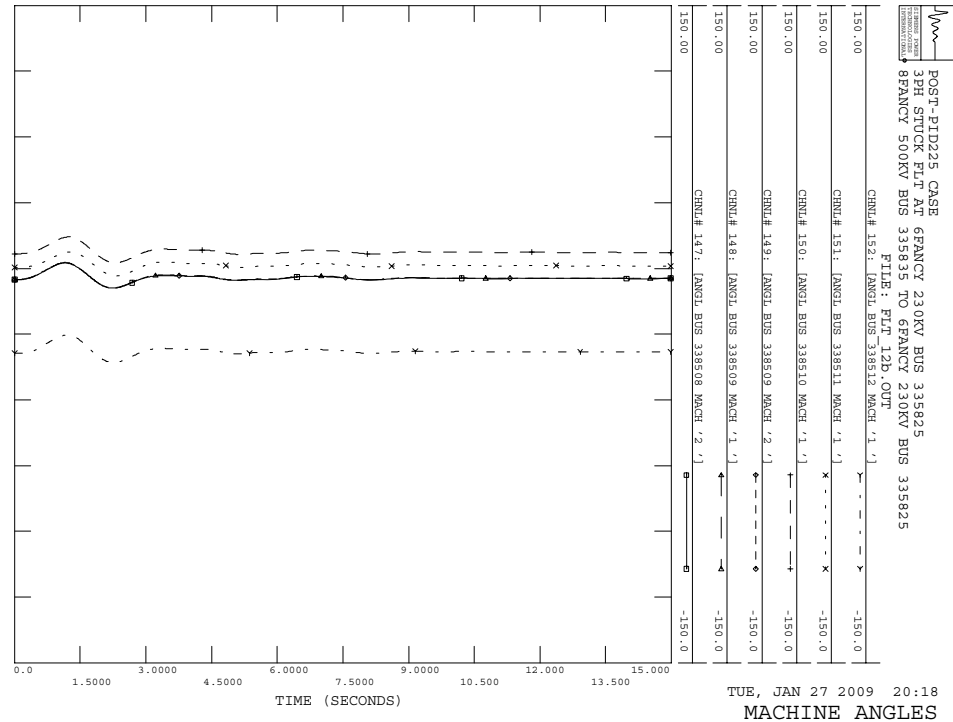
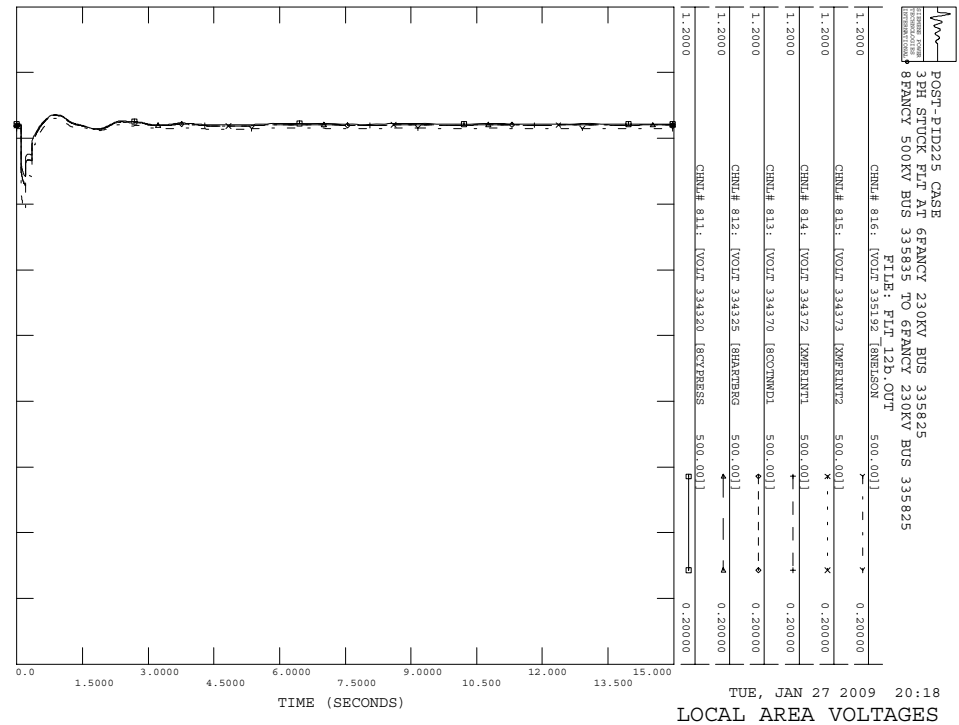
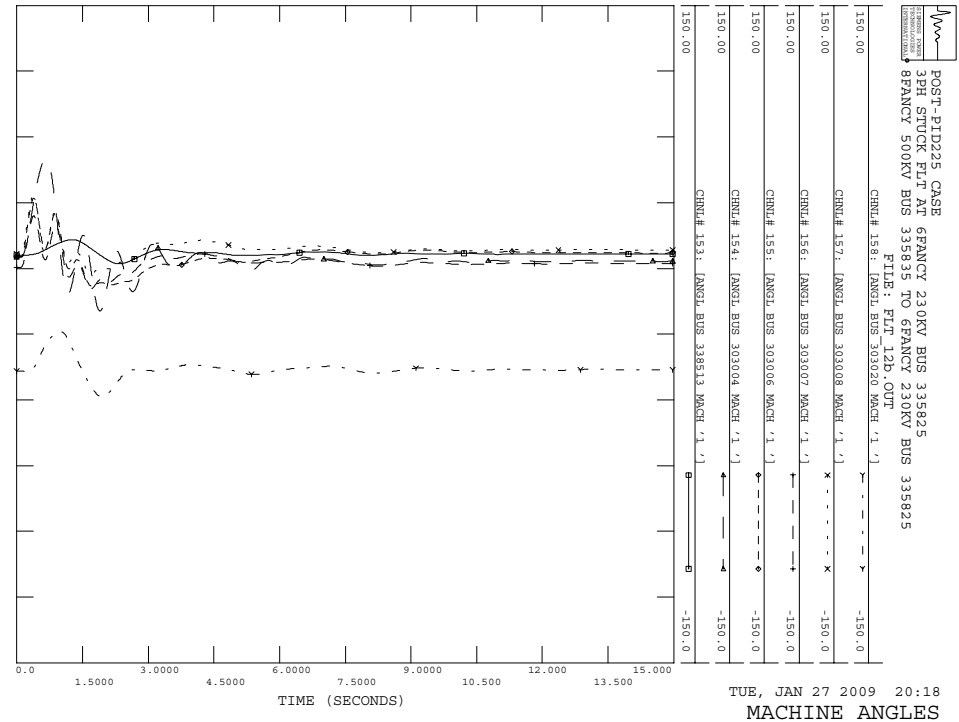
POST-PID225 CASE
3PH STUCK FLT AT 6PANCY 230KV BUS 335825
8PANCY 500KV BUS 335835 TO 6PANCY 230KV BUS 335825
FILE: FLT_12b.OUT

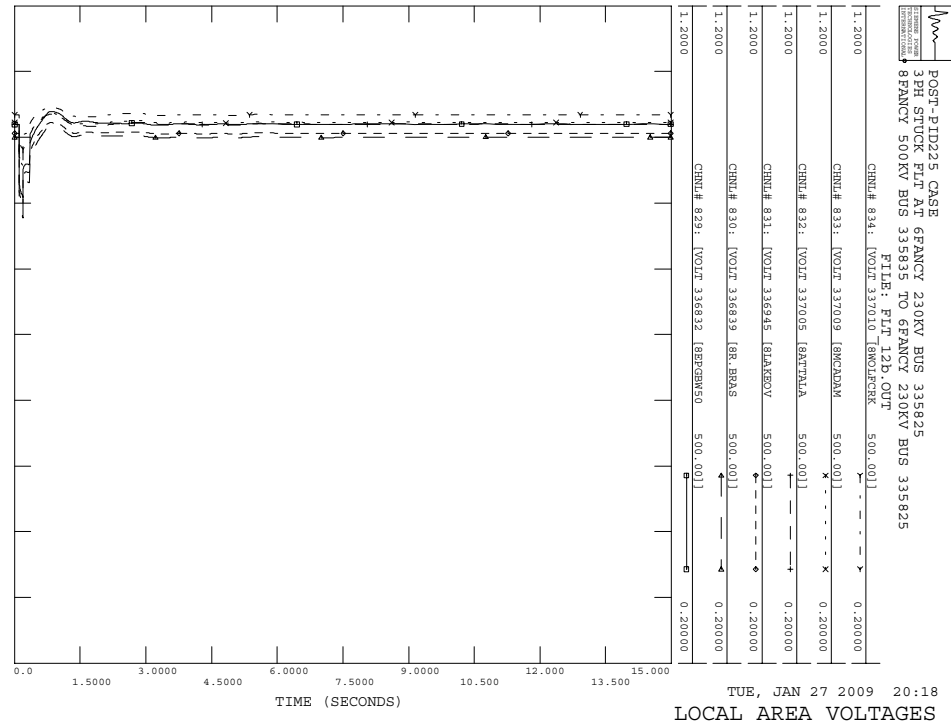
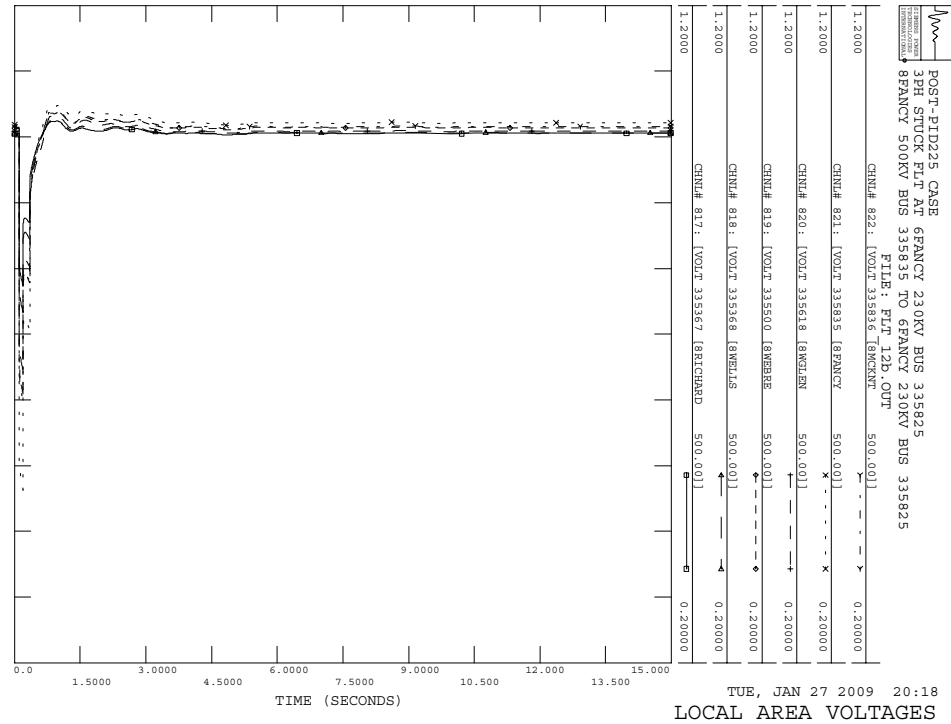
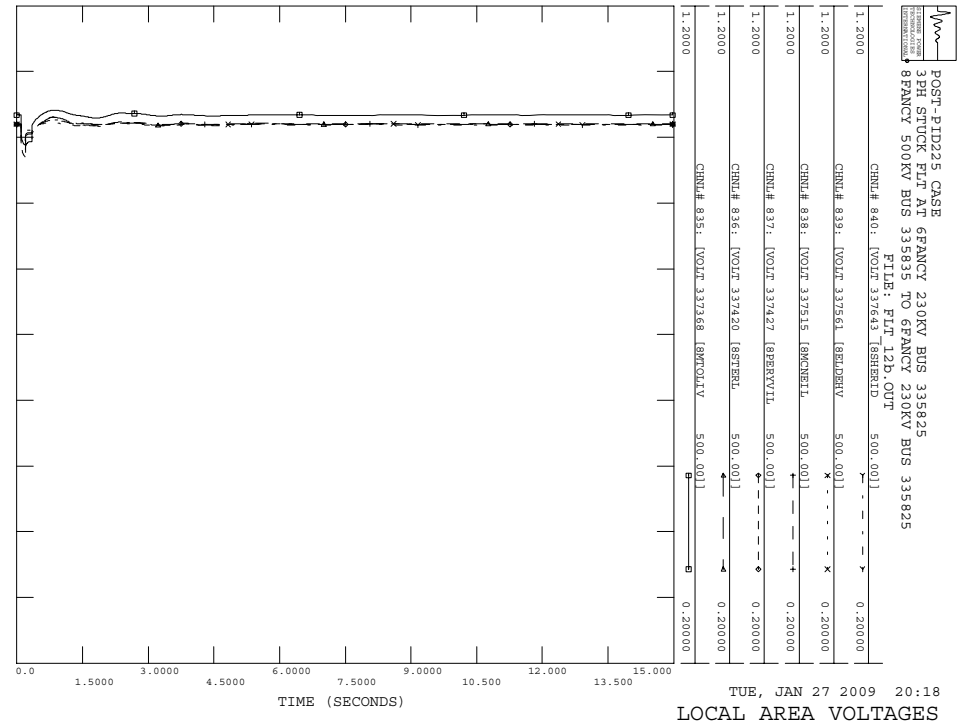
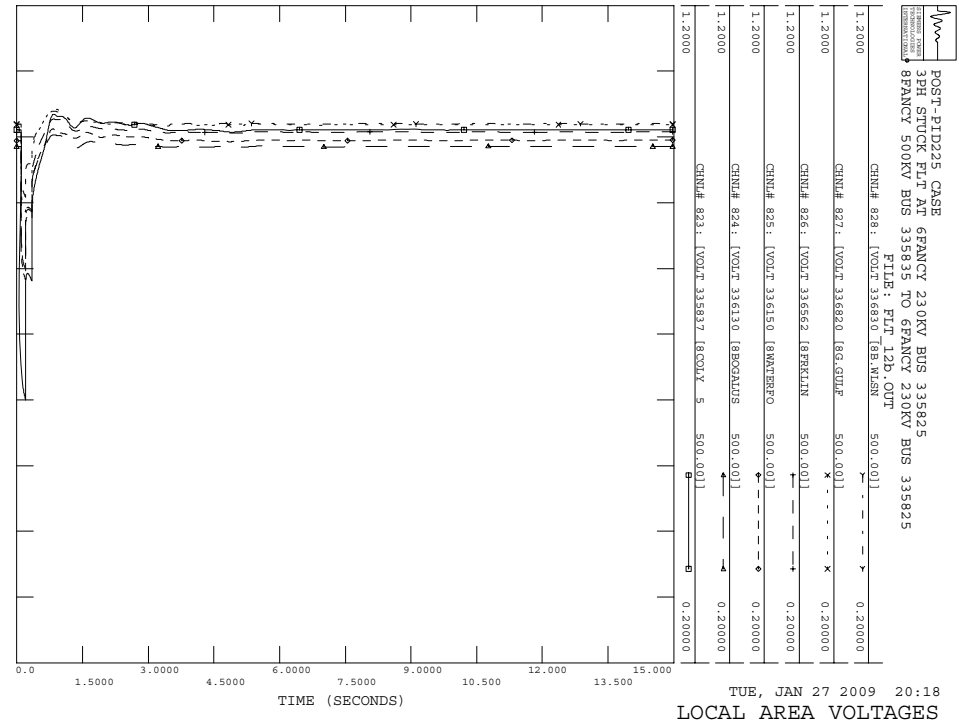


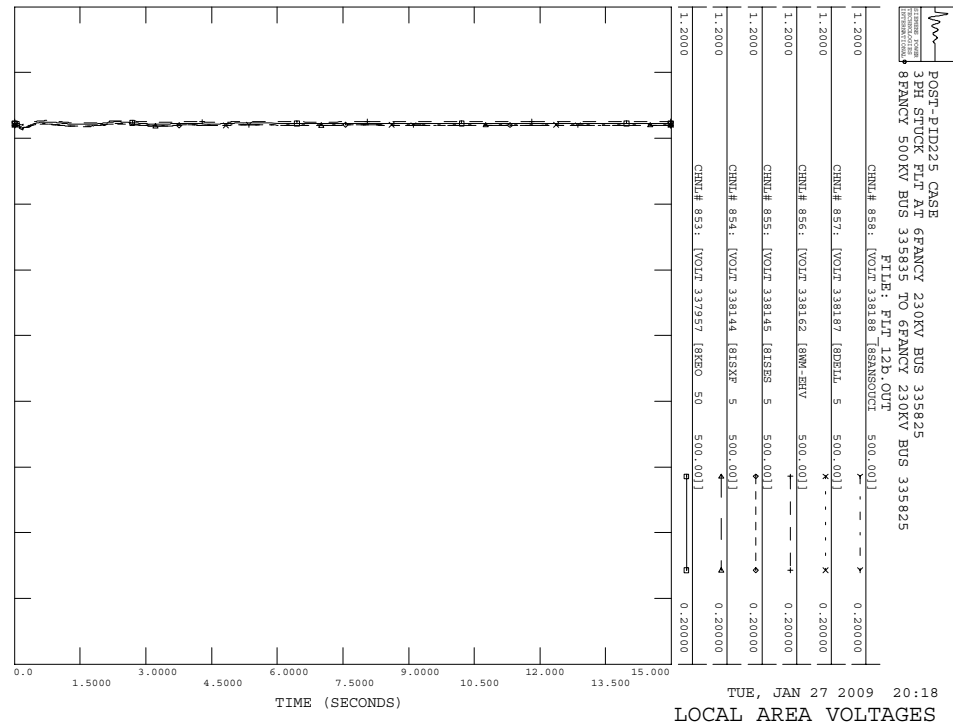
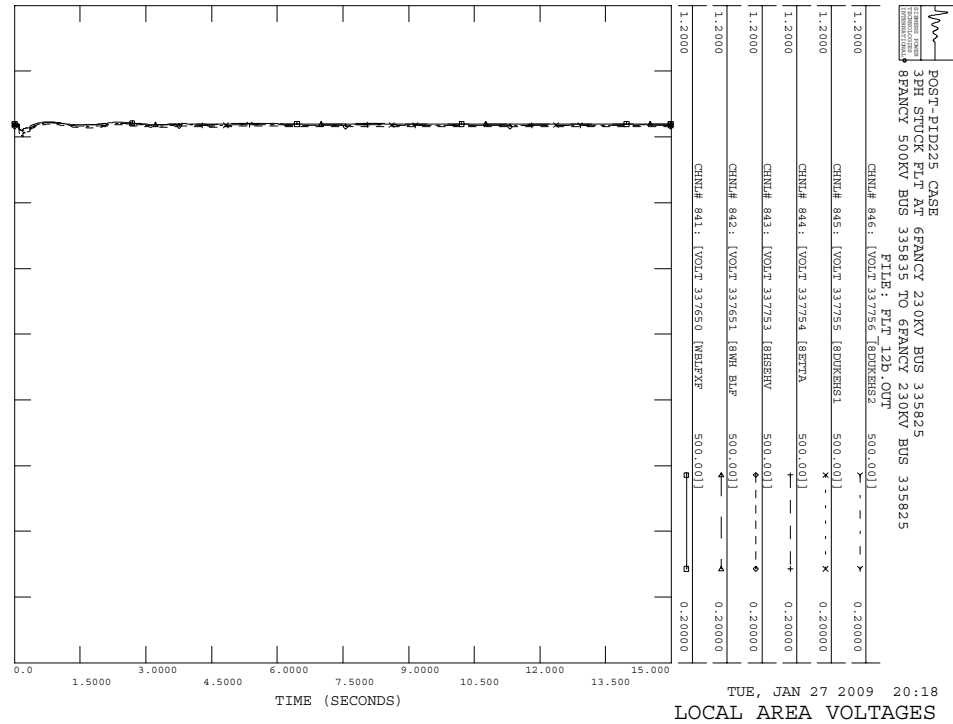
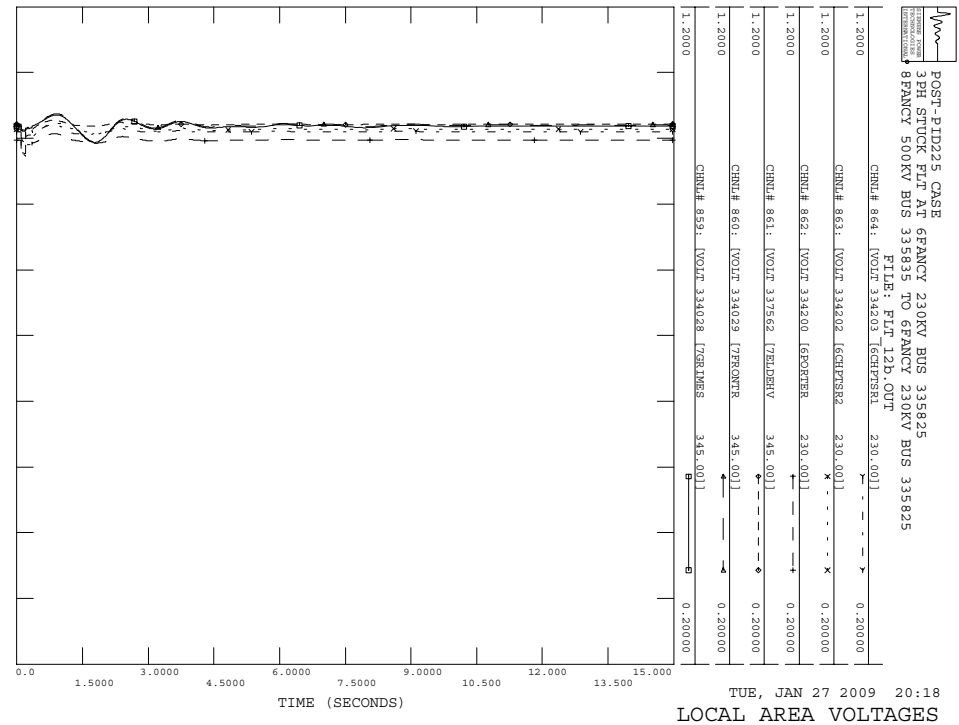
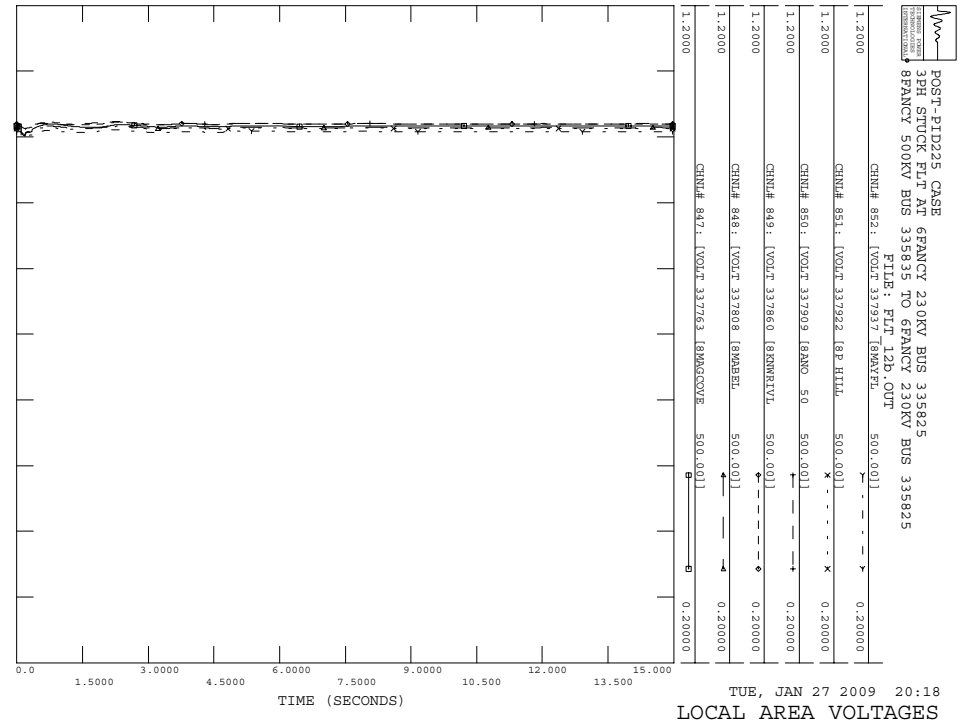


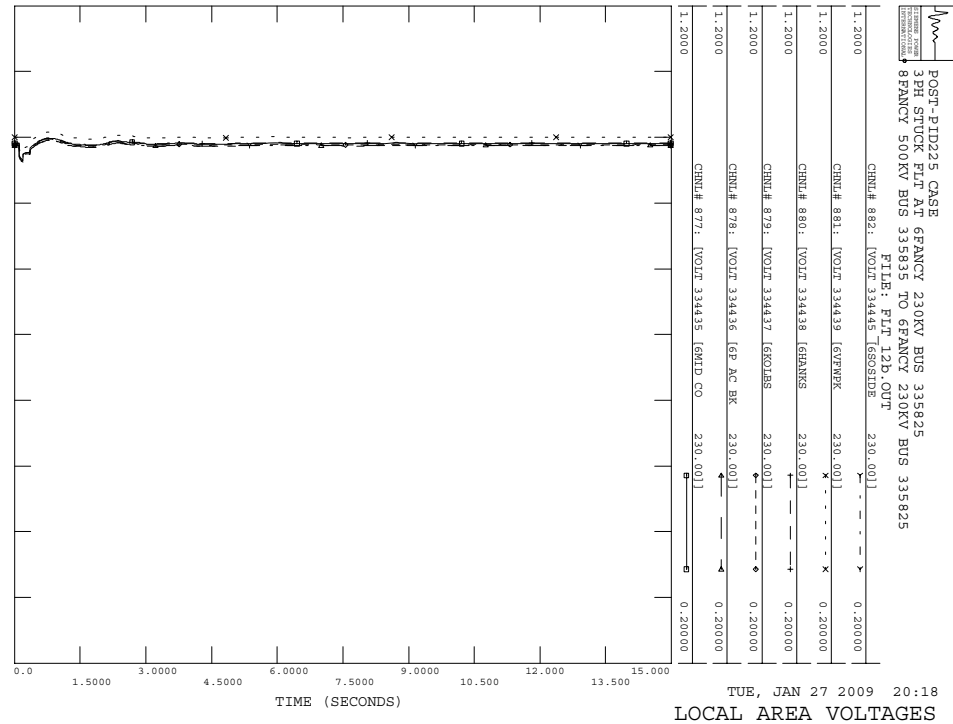
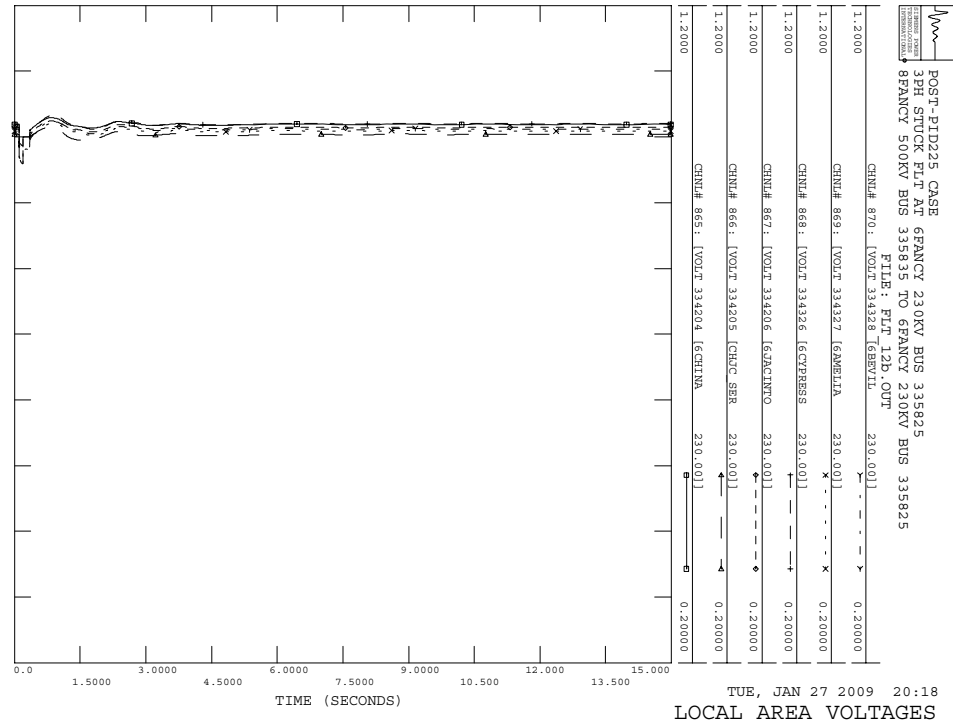
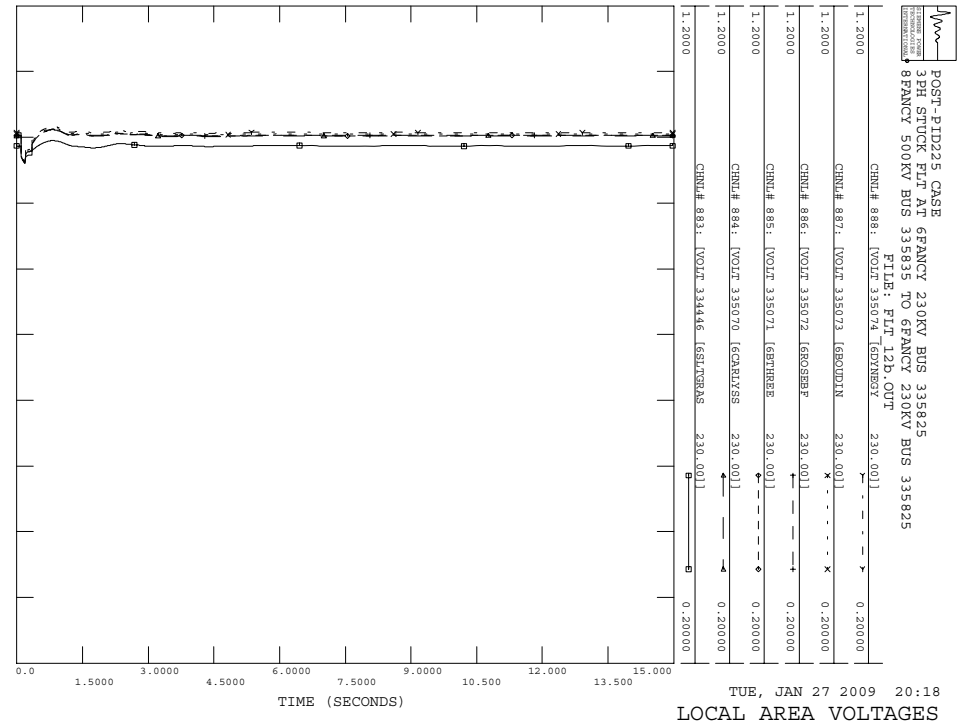
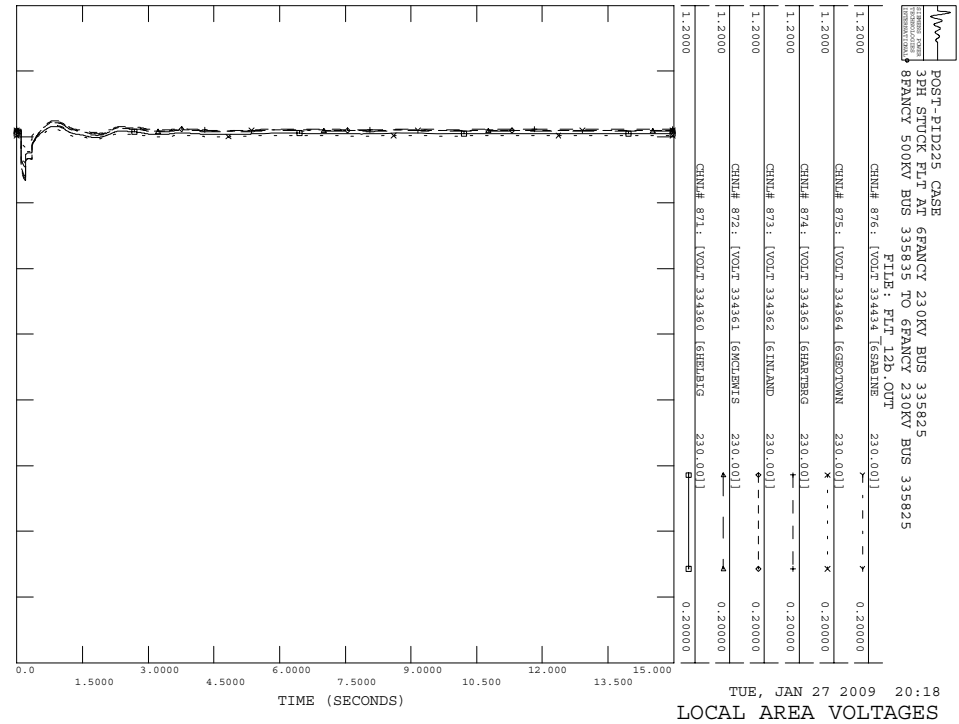


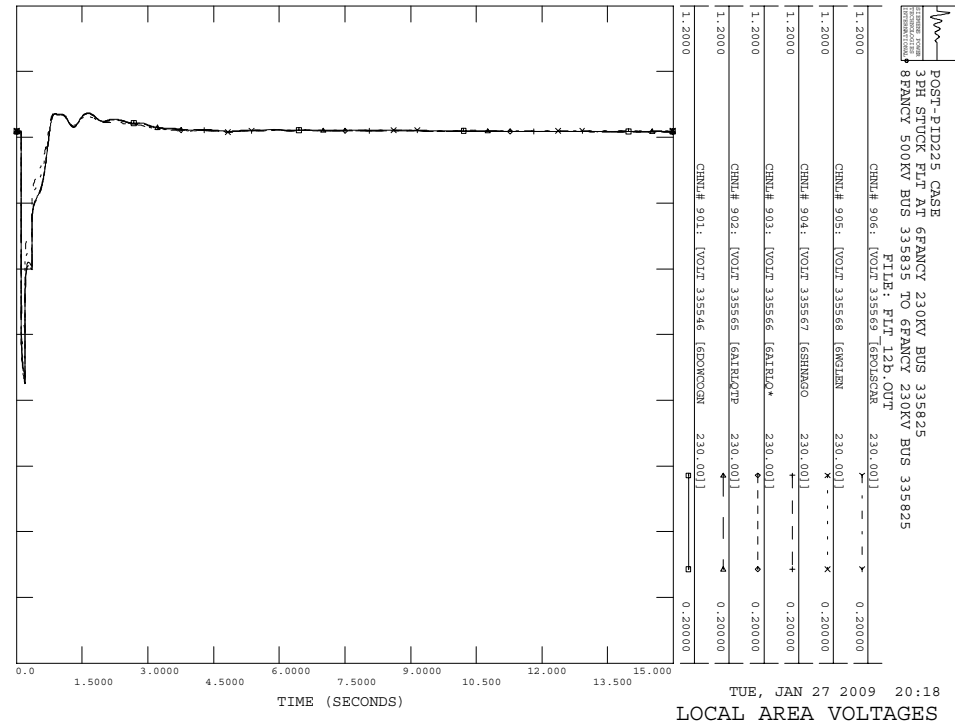
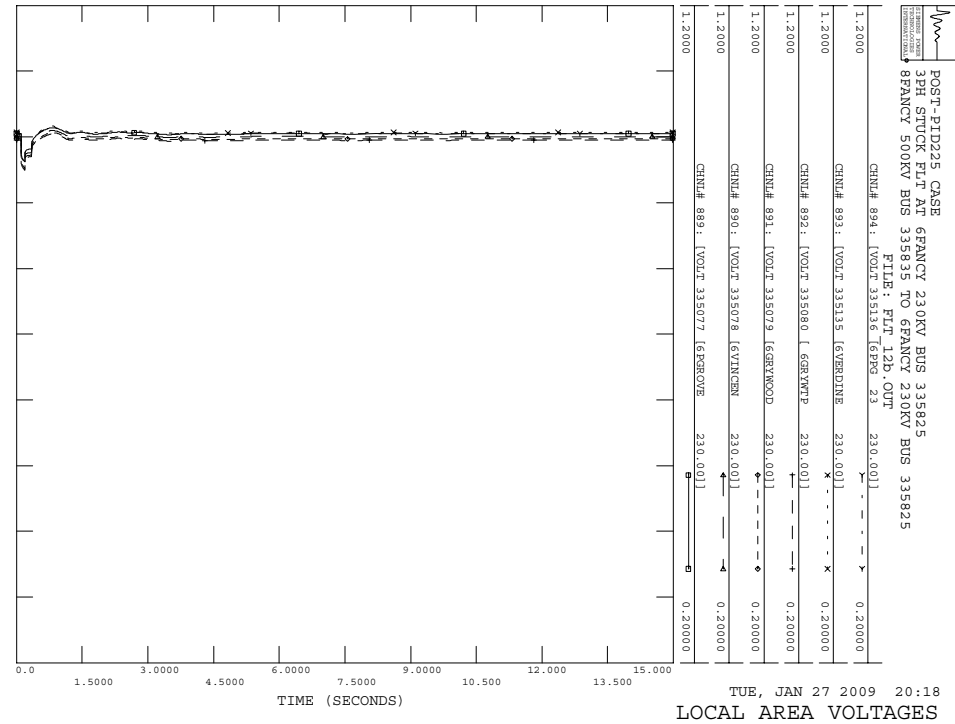
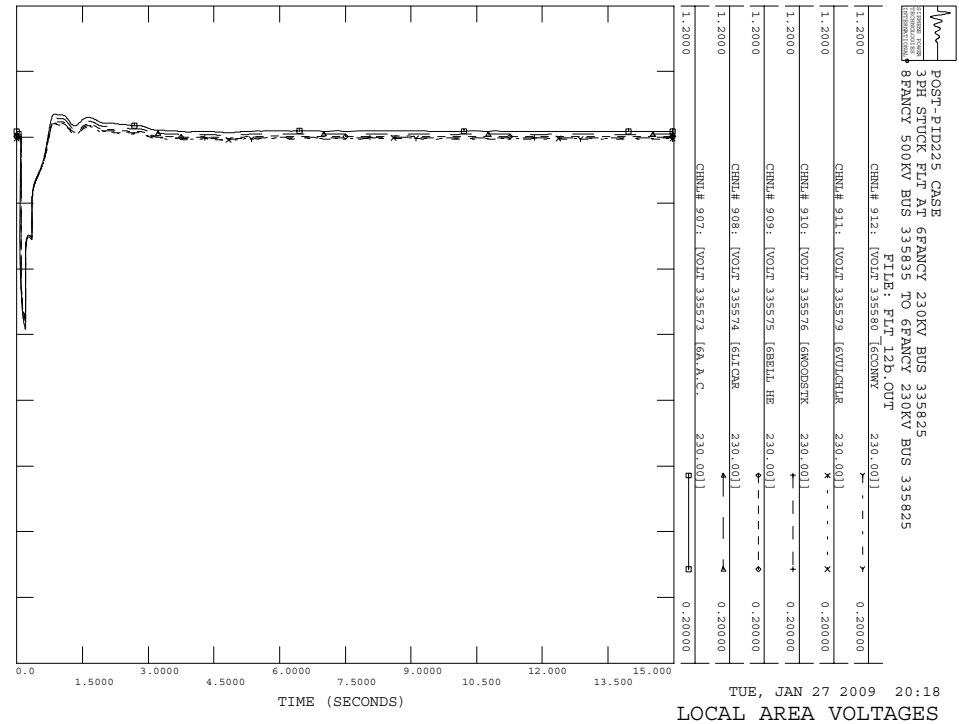
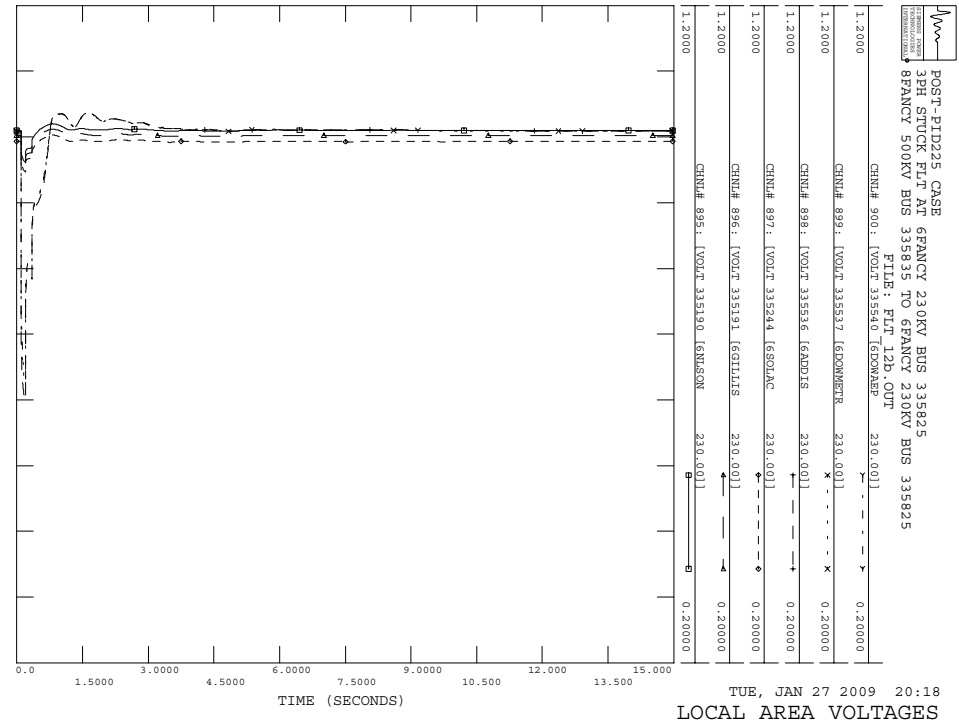


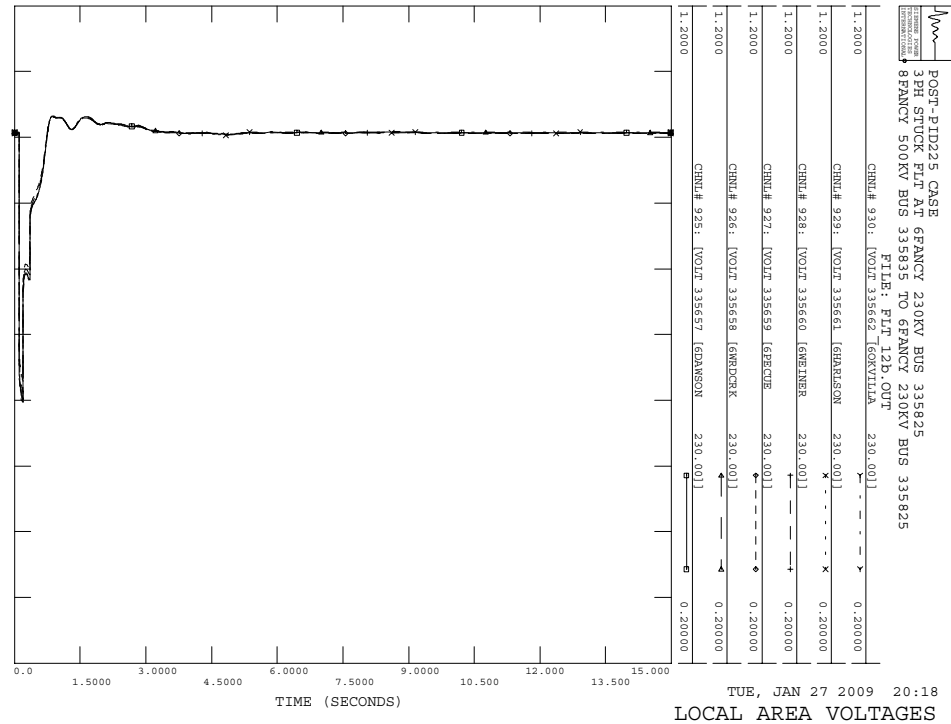
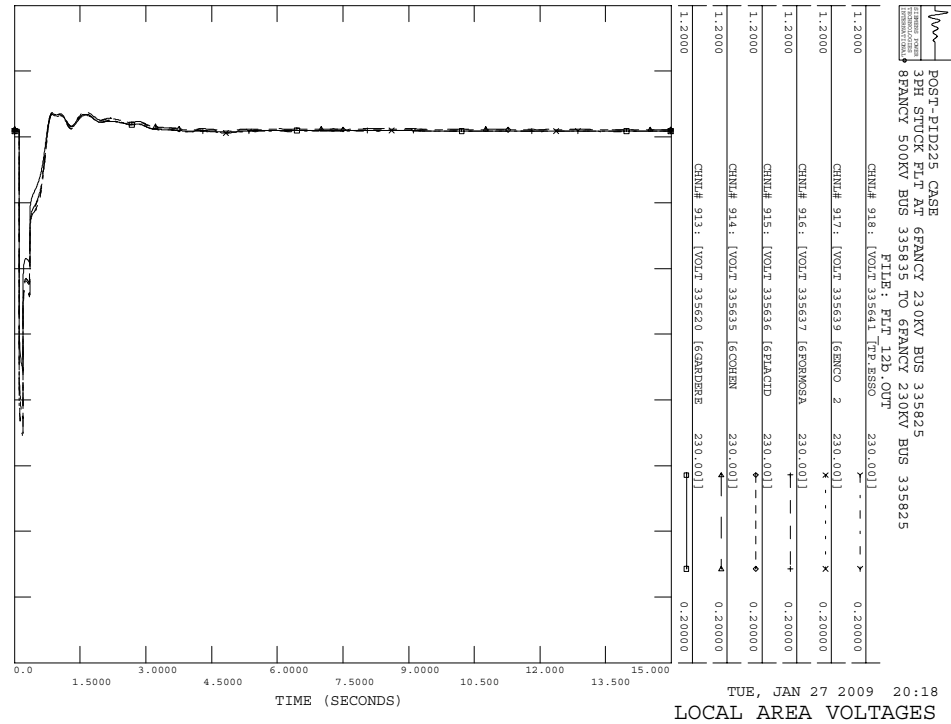
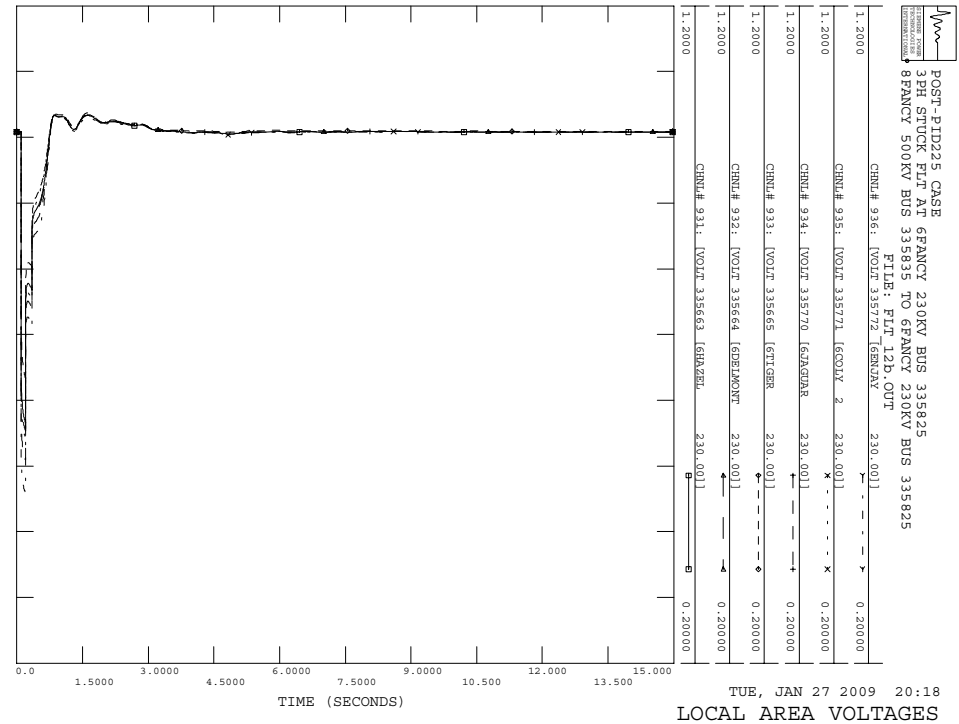
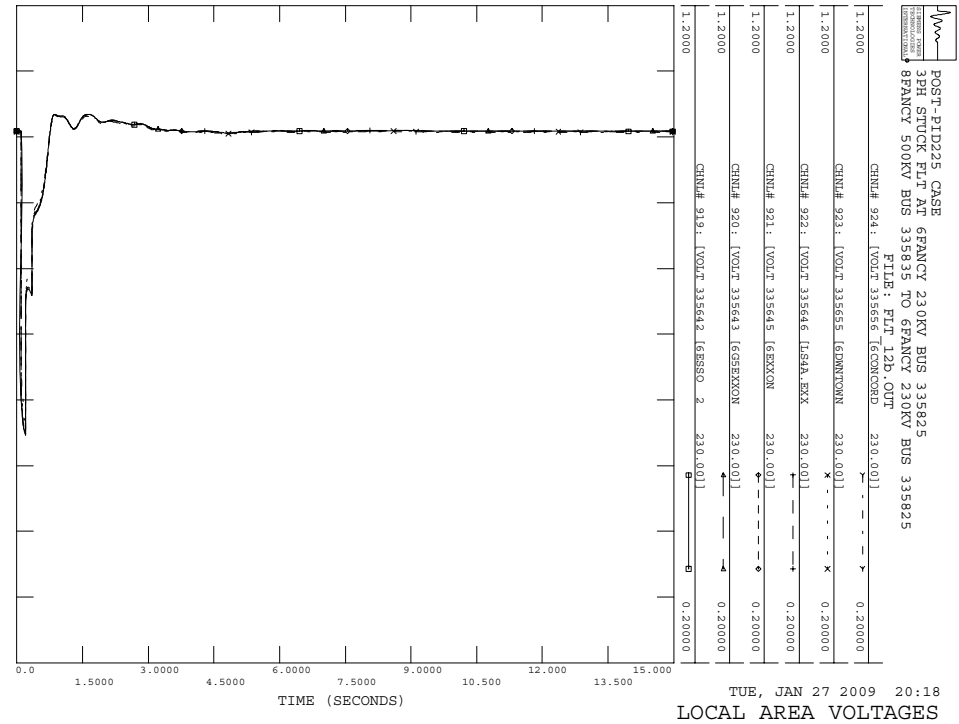




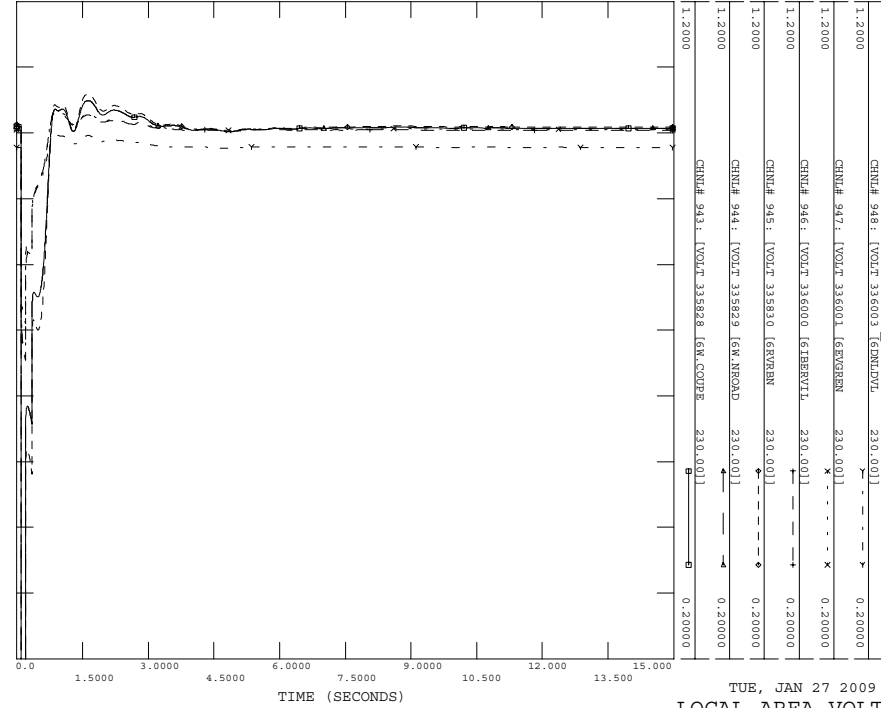




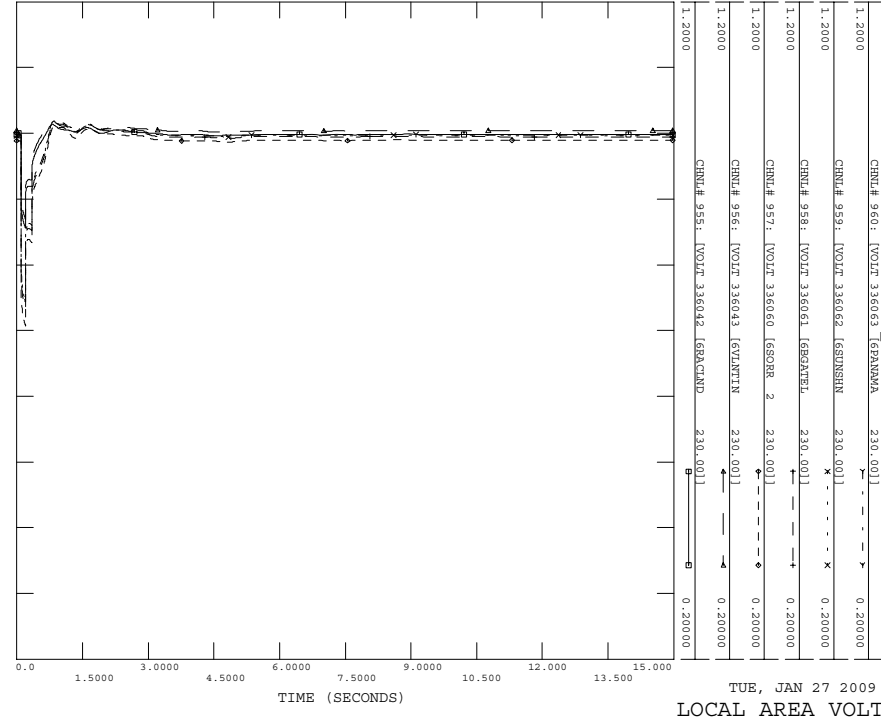




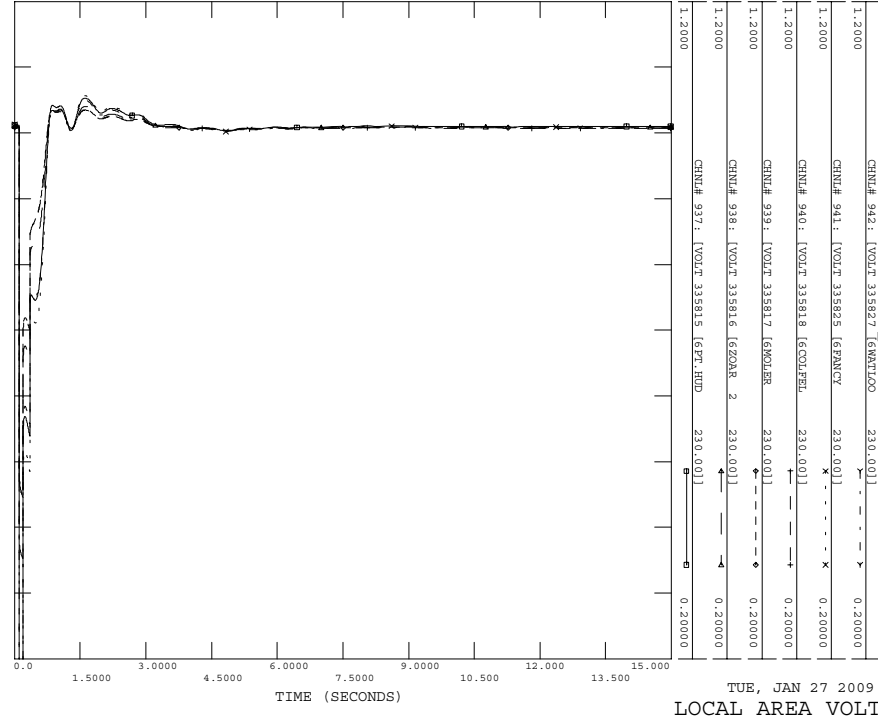
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
8FANCY 500KV BUS 335835 TO 6FANCY 230KV BUS 335825
FILE: FLT_12b.OUT



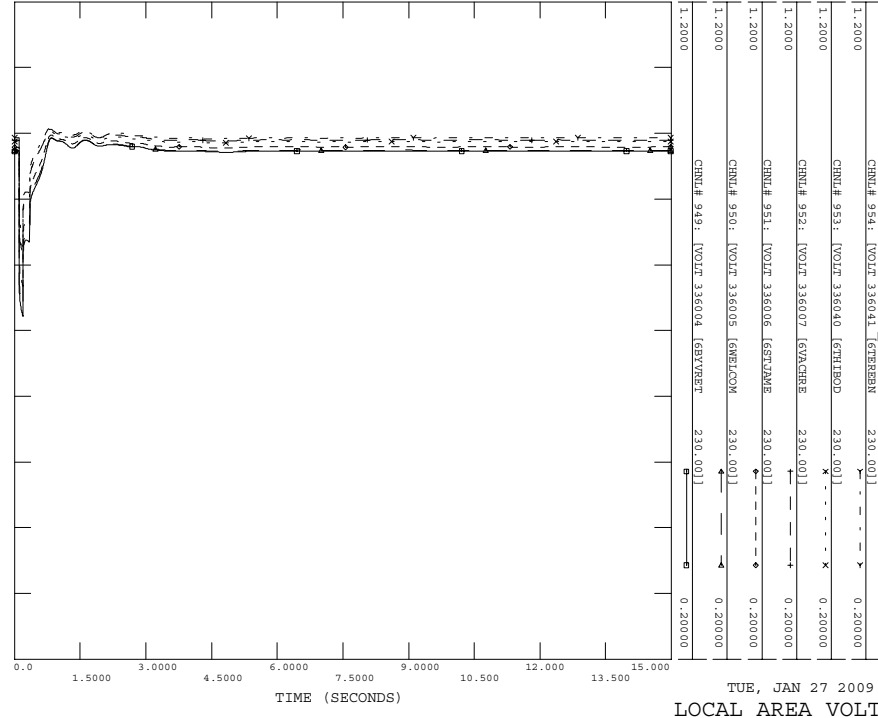
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
8FANCY 500KV BUS 335835 TO 6FANCY 230KV BUS 335825
FILE: FLT_12b.OUT

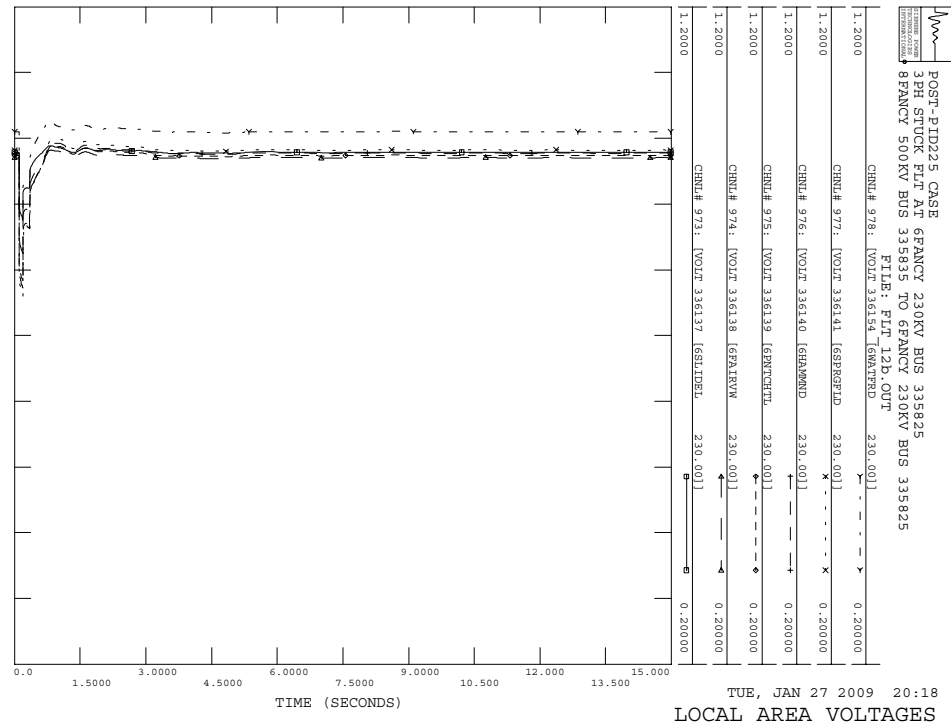
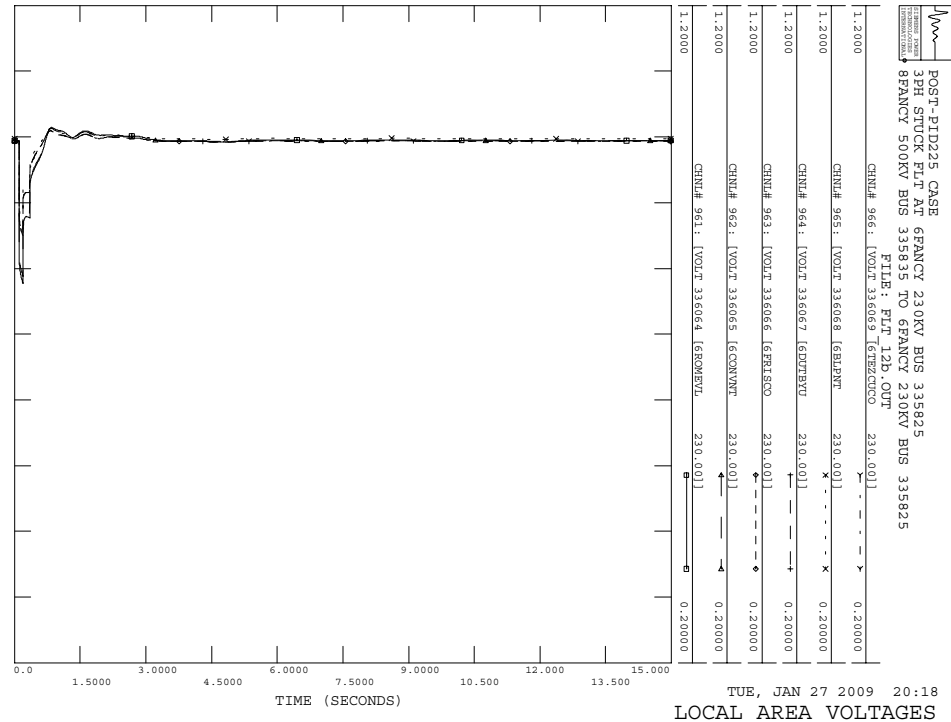
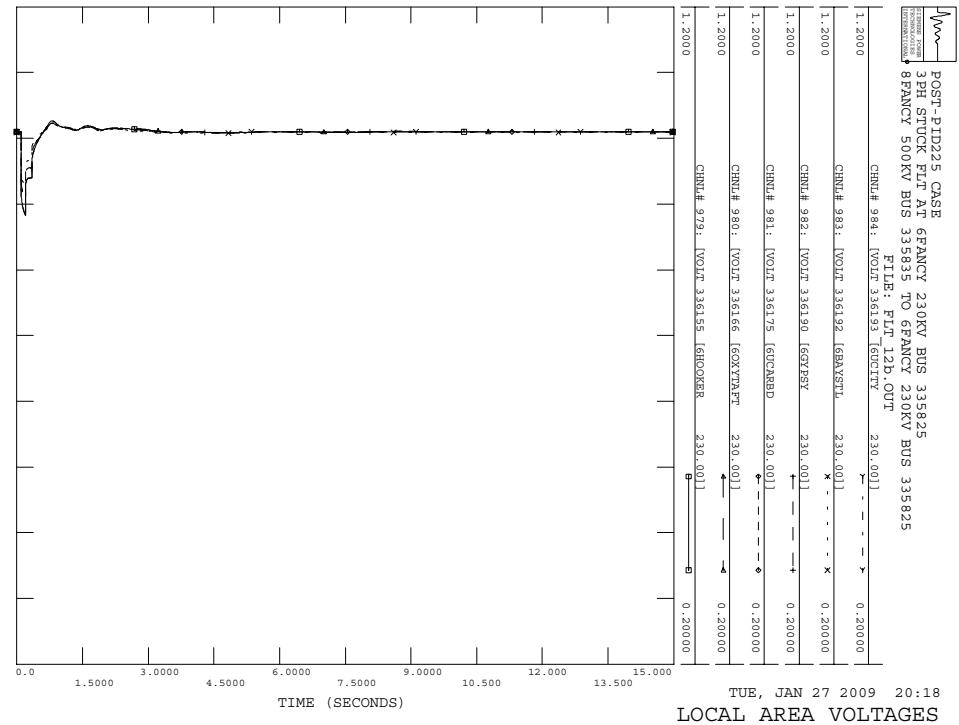
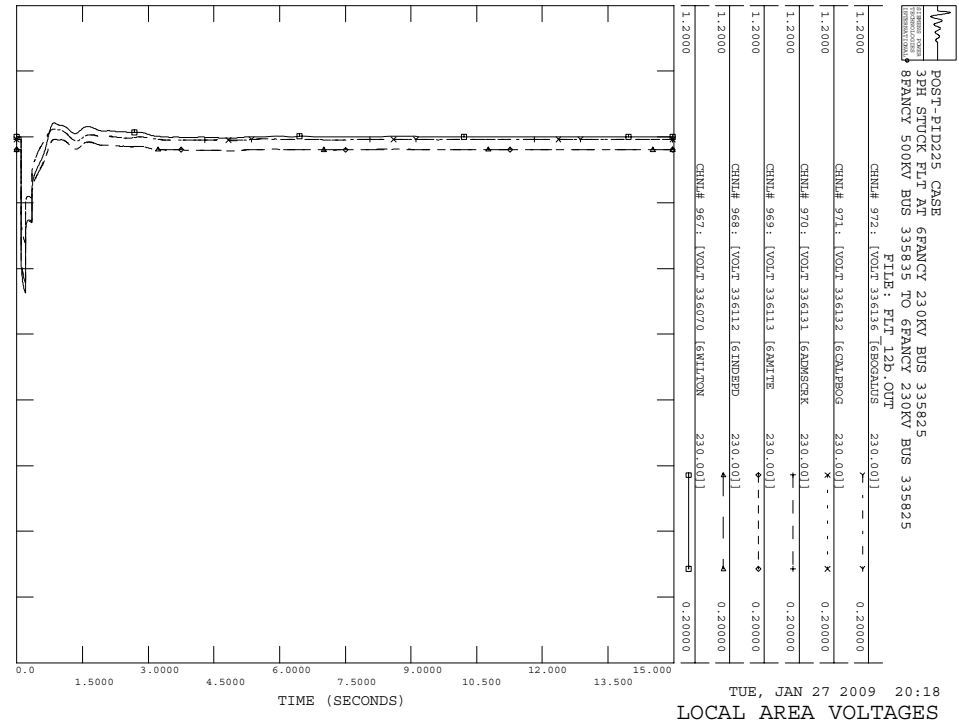


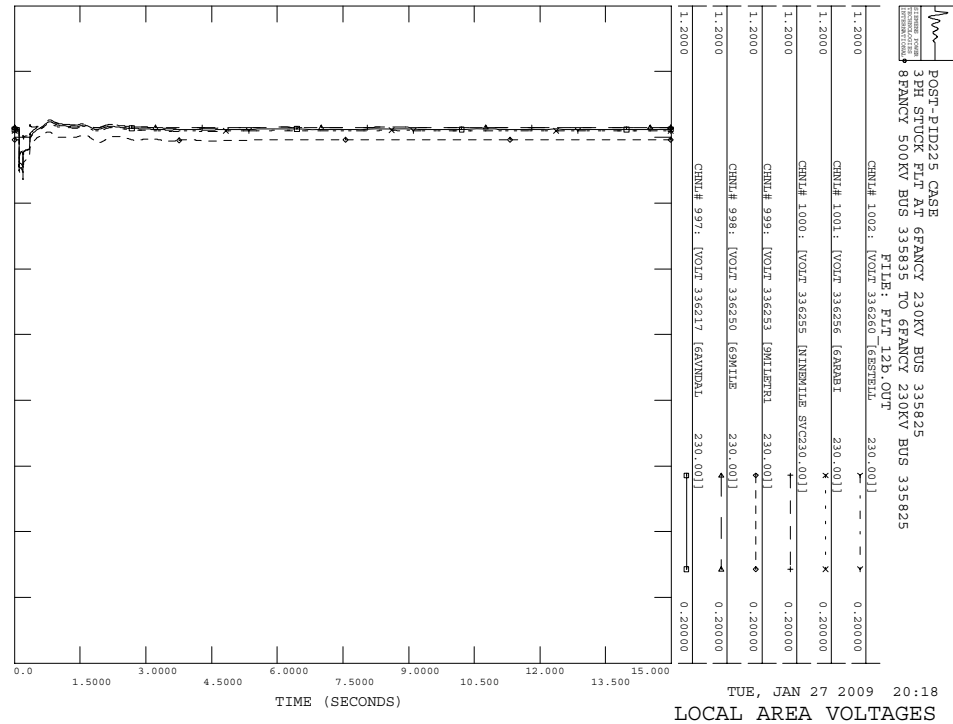
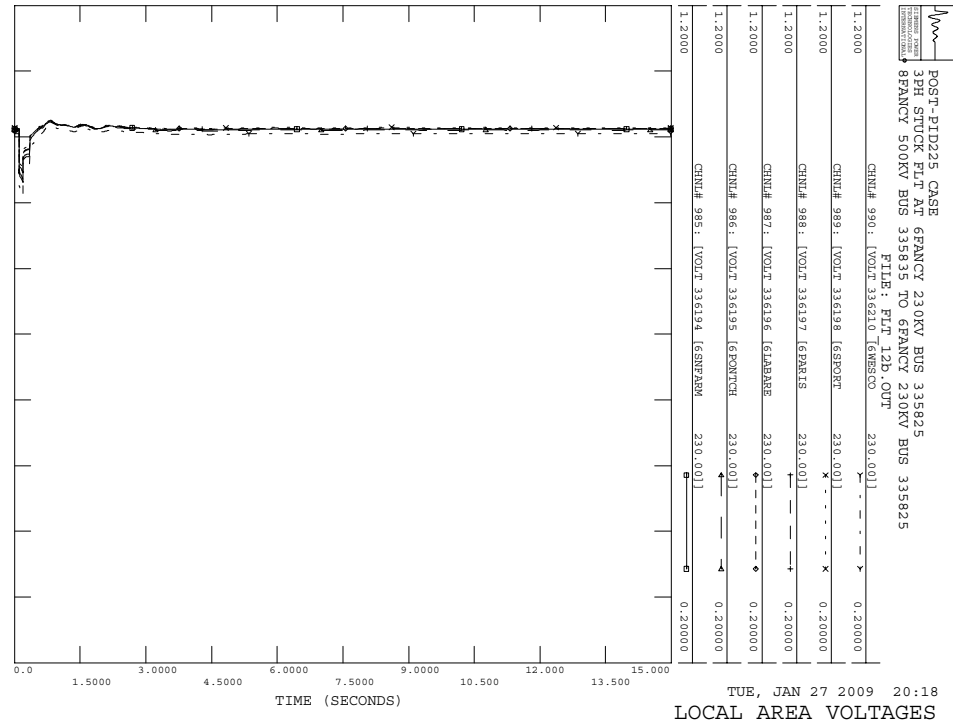
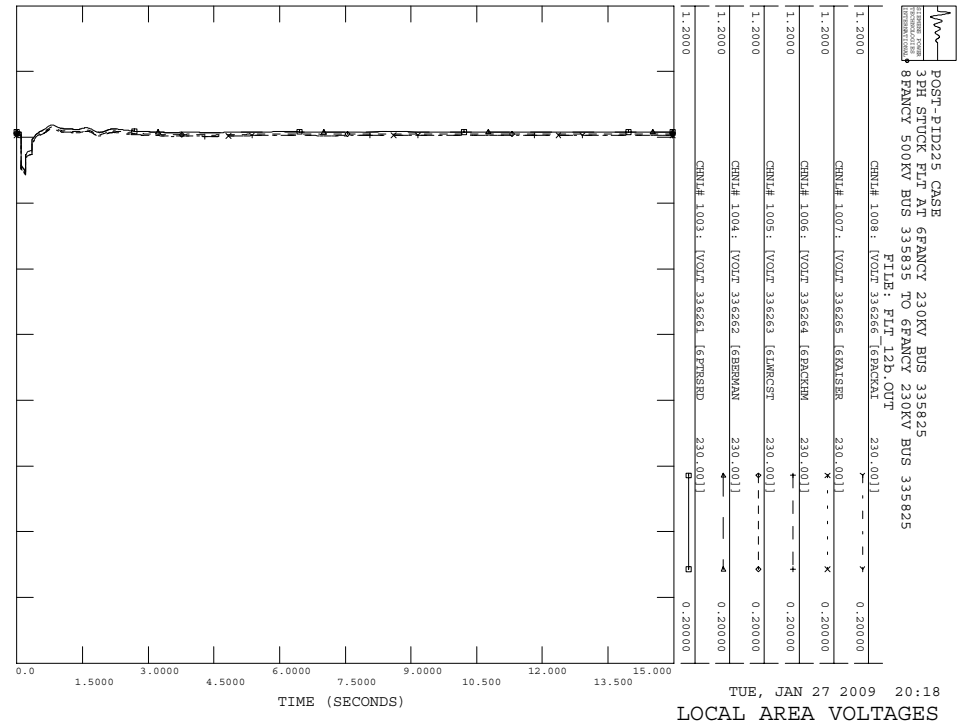
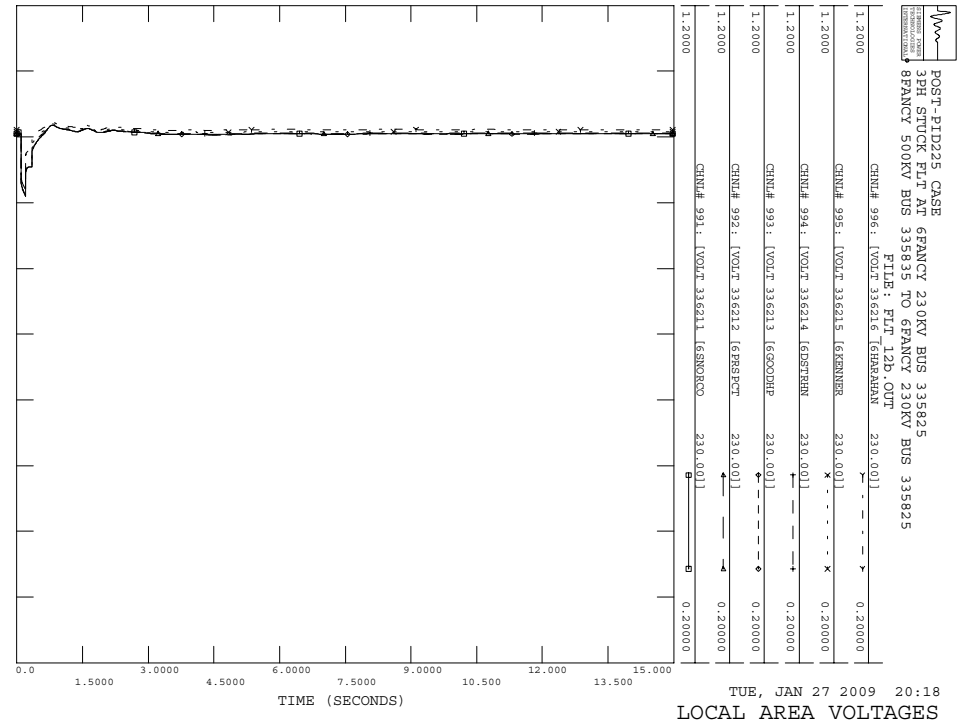
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
8FANCY 500KV BUS 335835 TO 6FANCY 230KV BUS 335825
FILE: FLT_12b.OUT

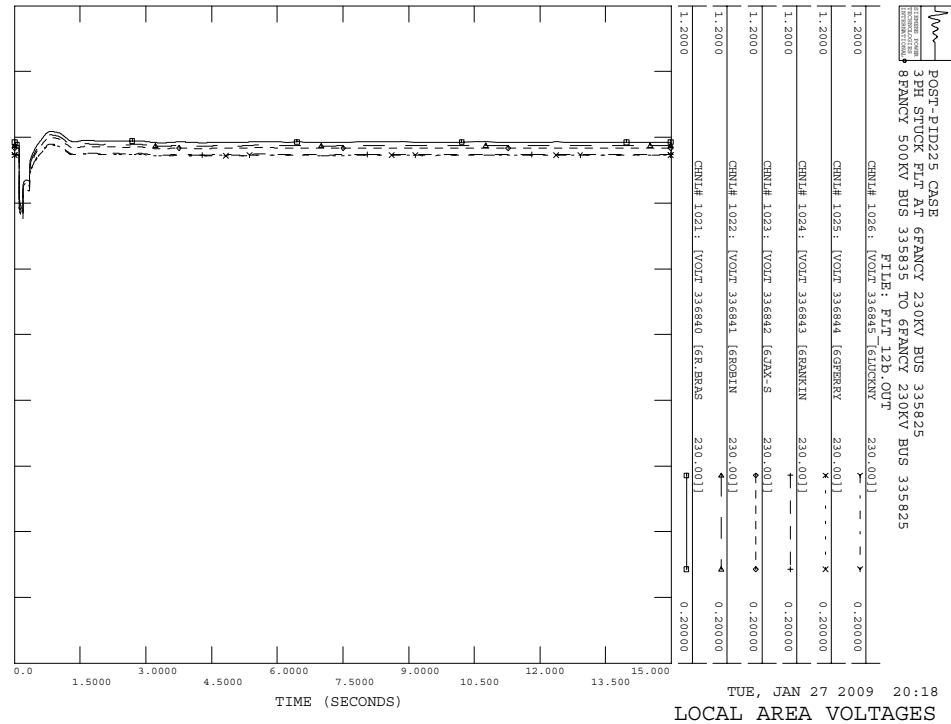
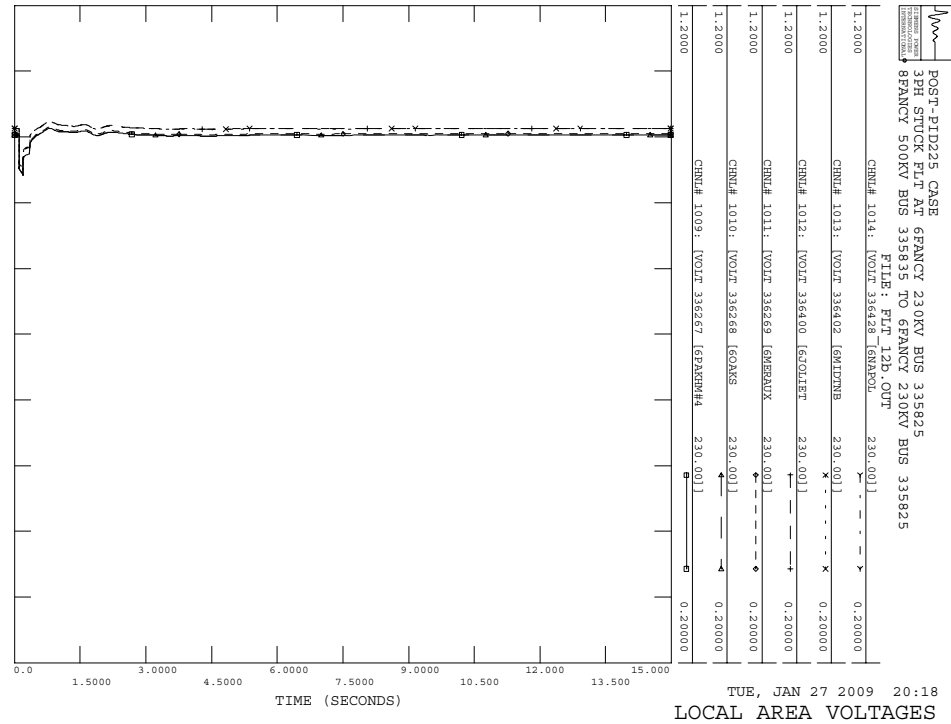
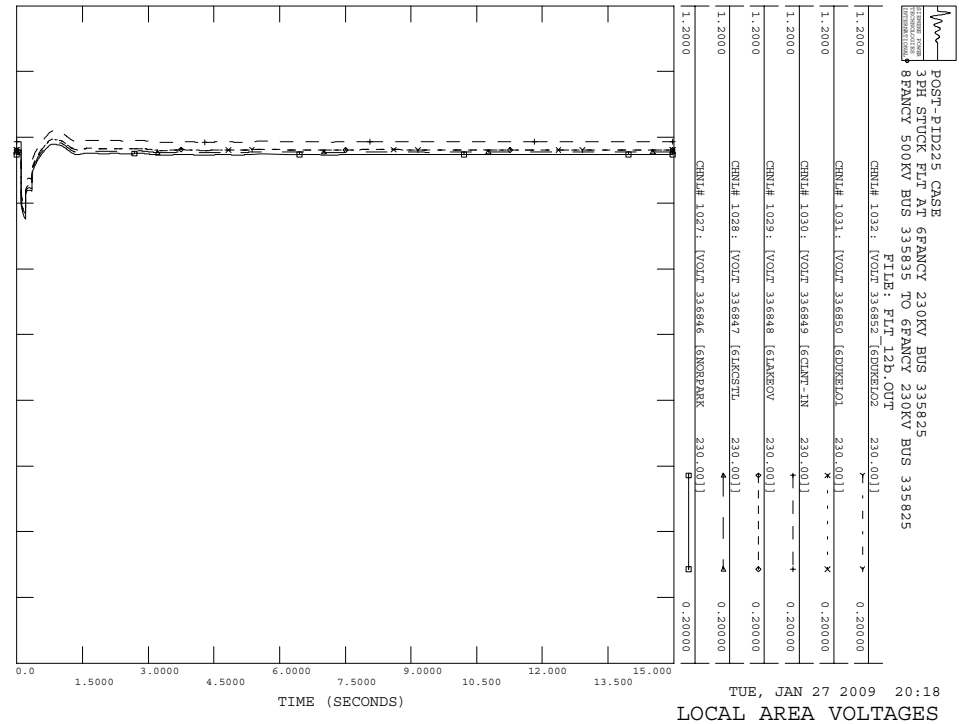
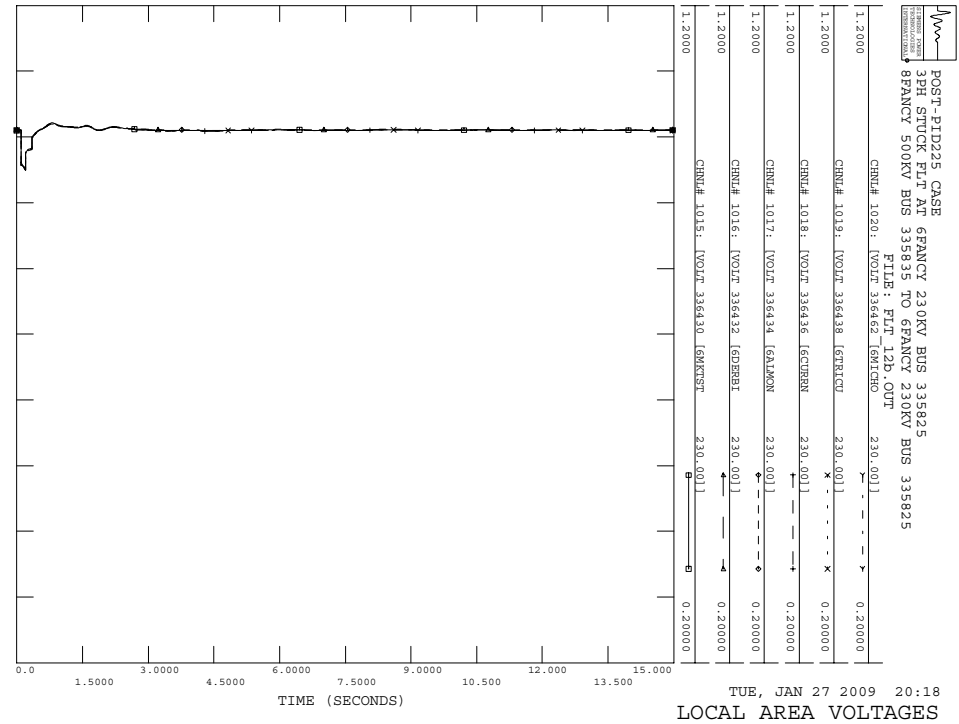


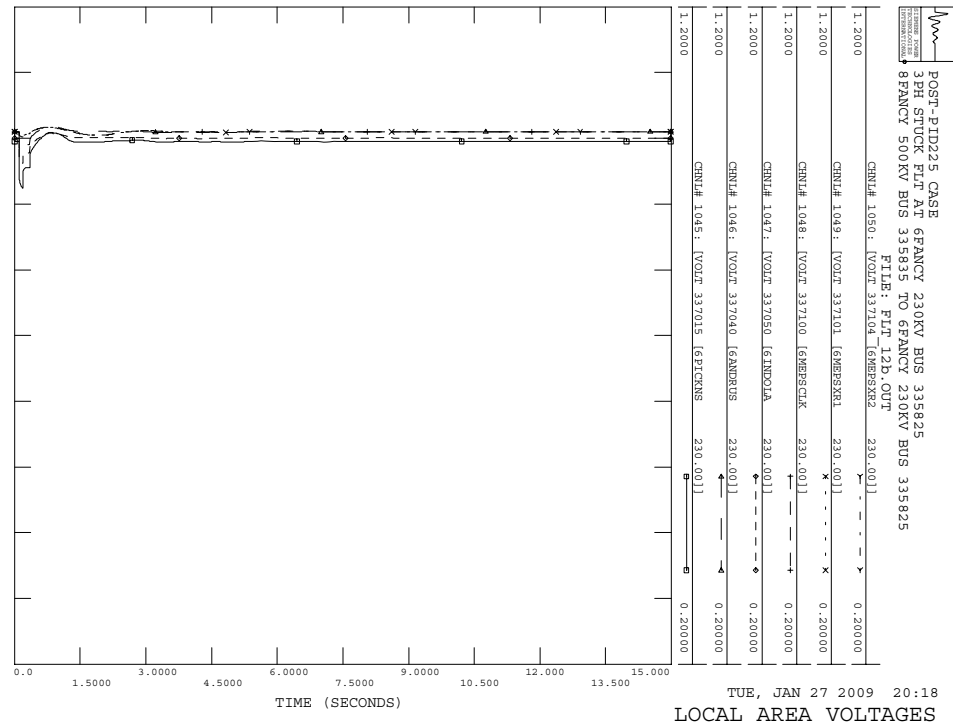
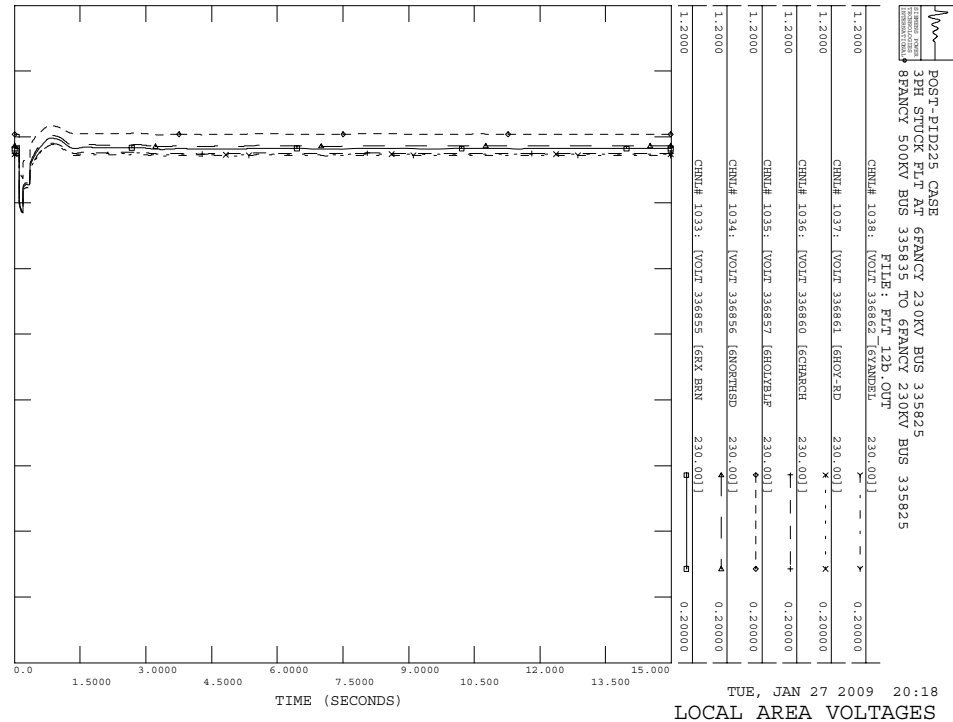
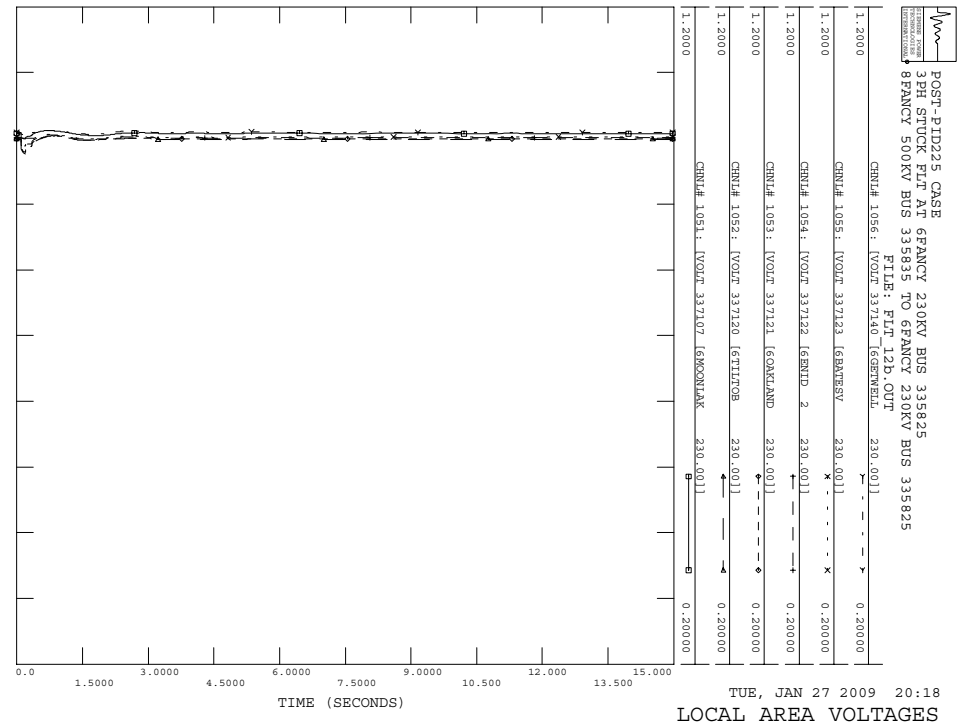
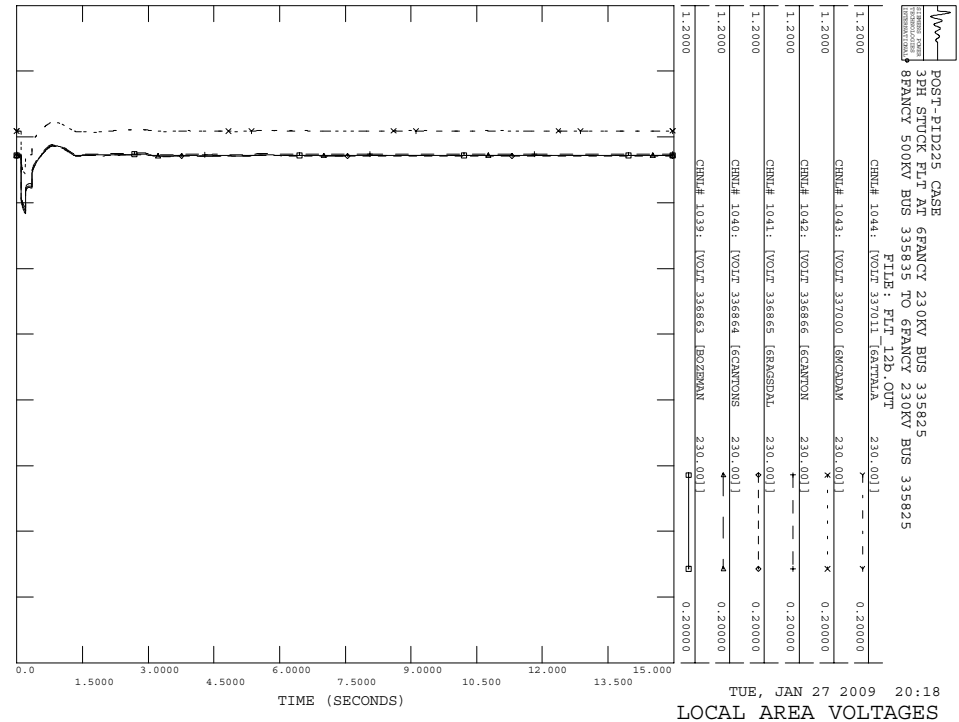
POST-PID225 CASE
3PH STUCK FLT AT 6FANCY 230KV BUS 335825
8FANCY 500KV BUS 335835 TO 6FANCY 230KV BUS 335825
FILE: FLT_12b.OUT

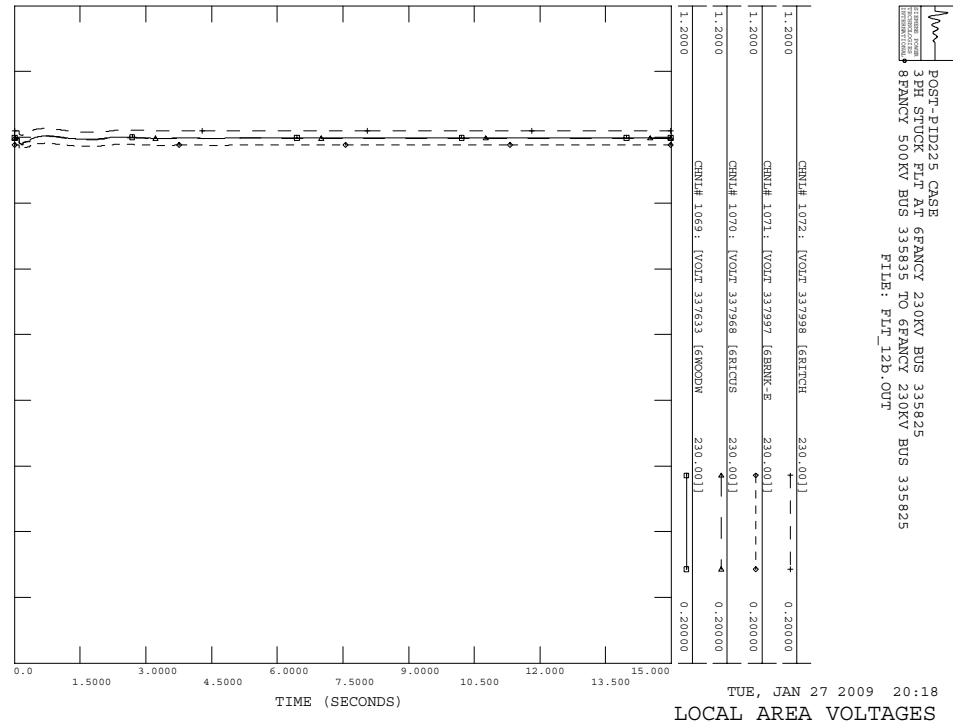
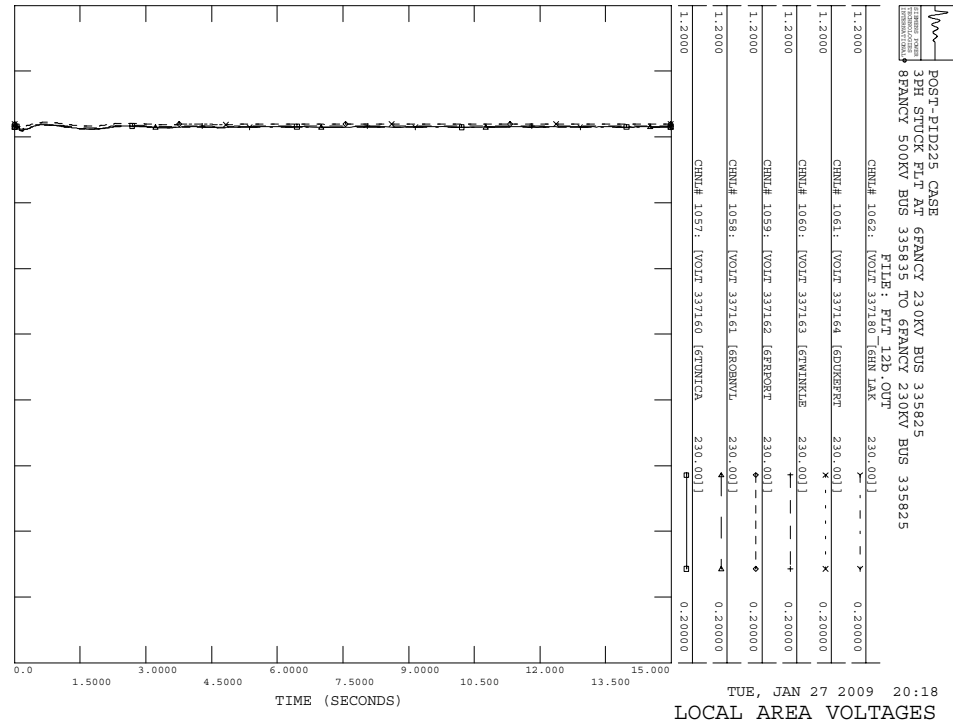
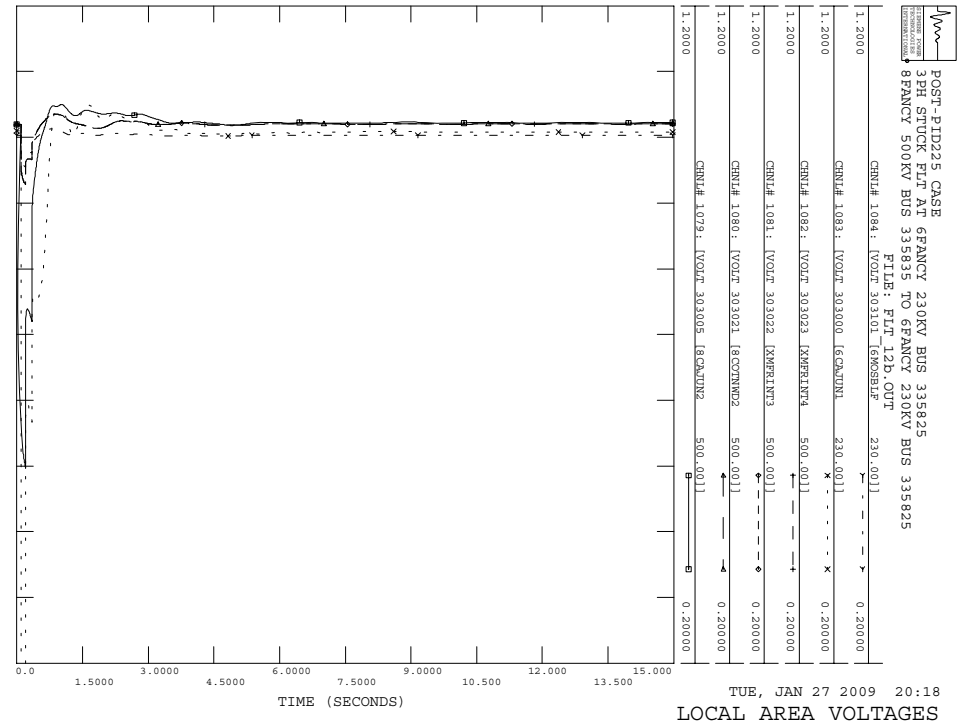
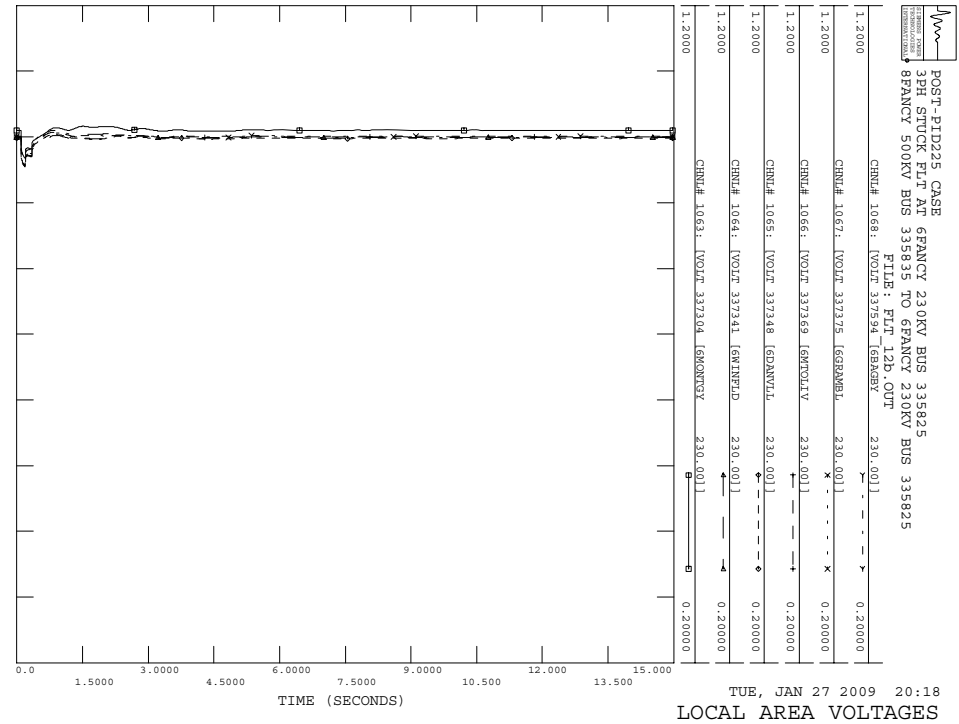


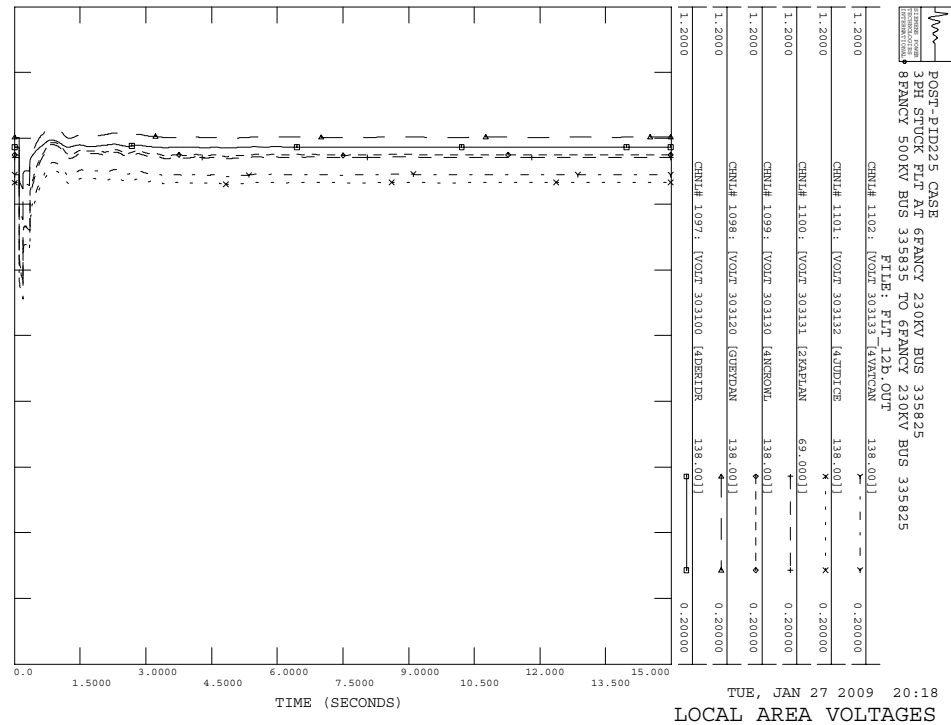
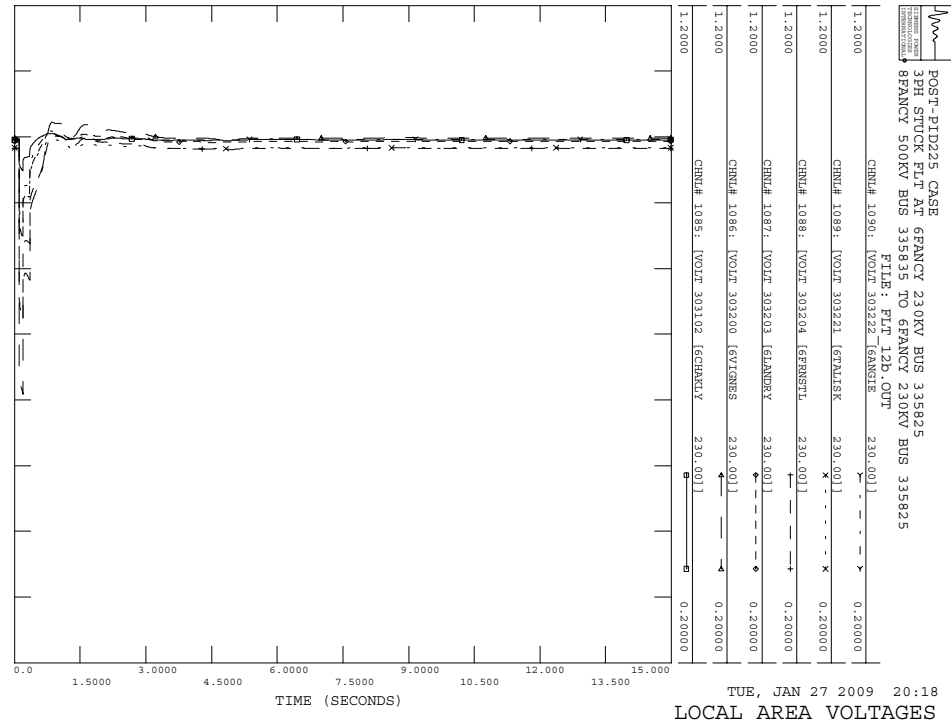
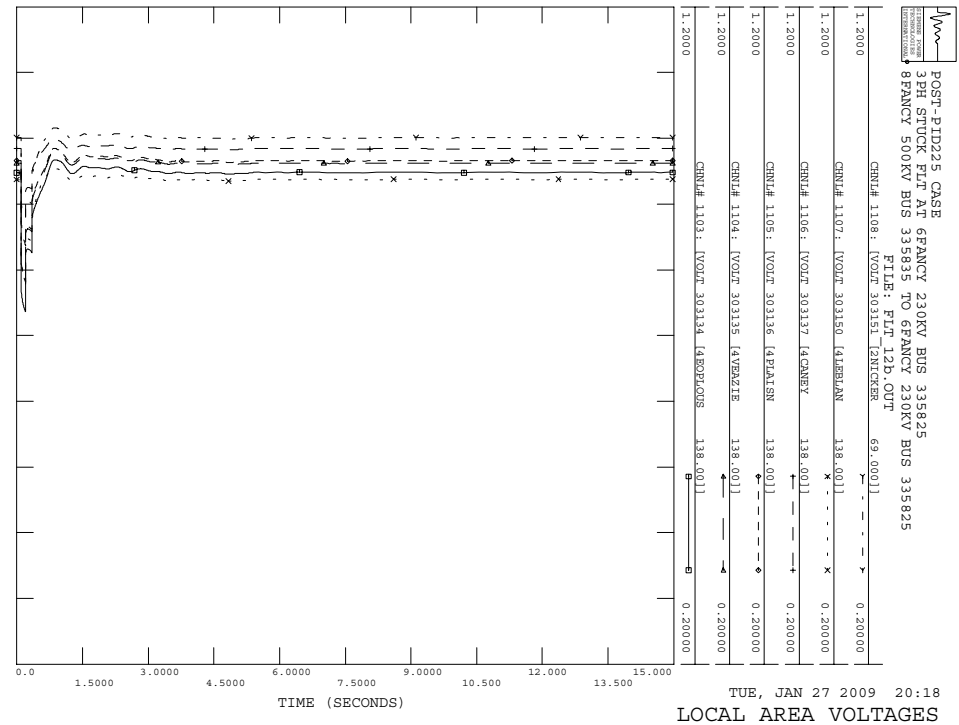
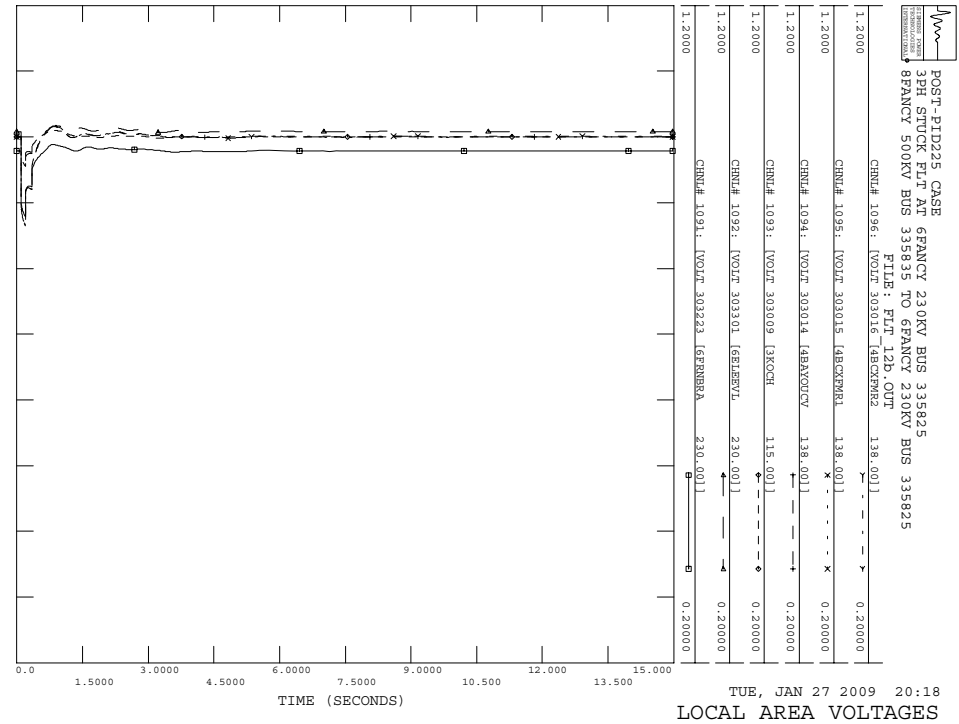


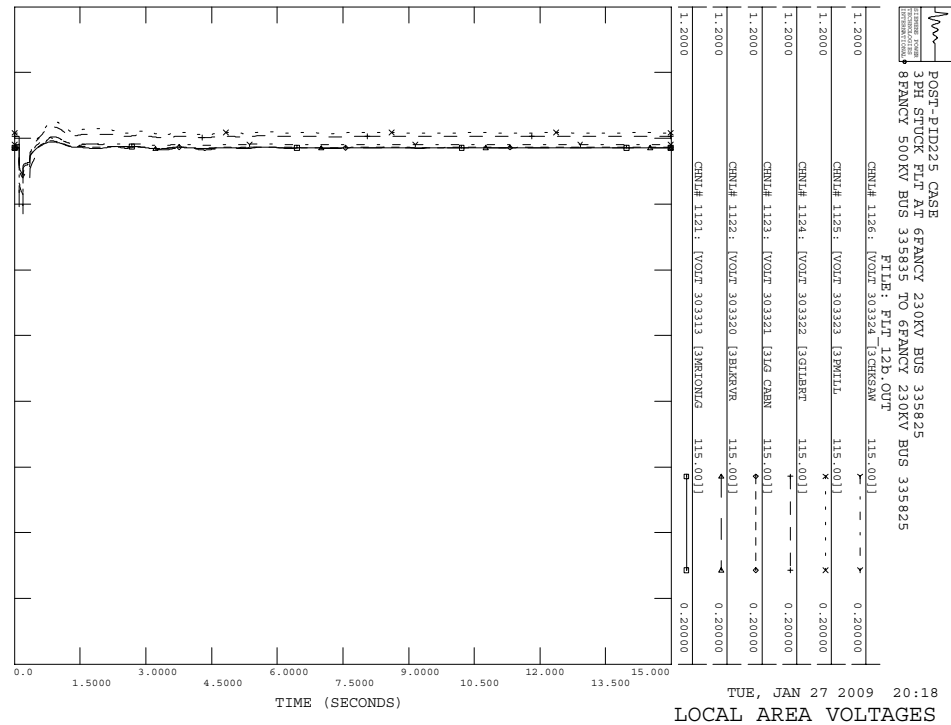
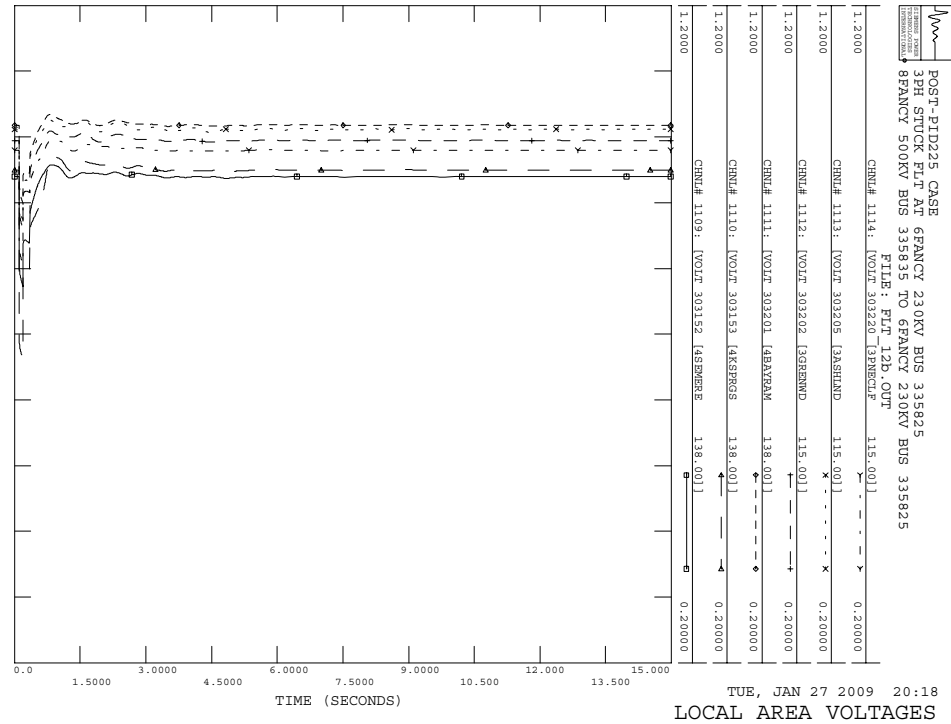
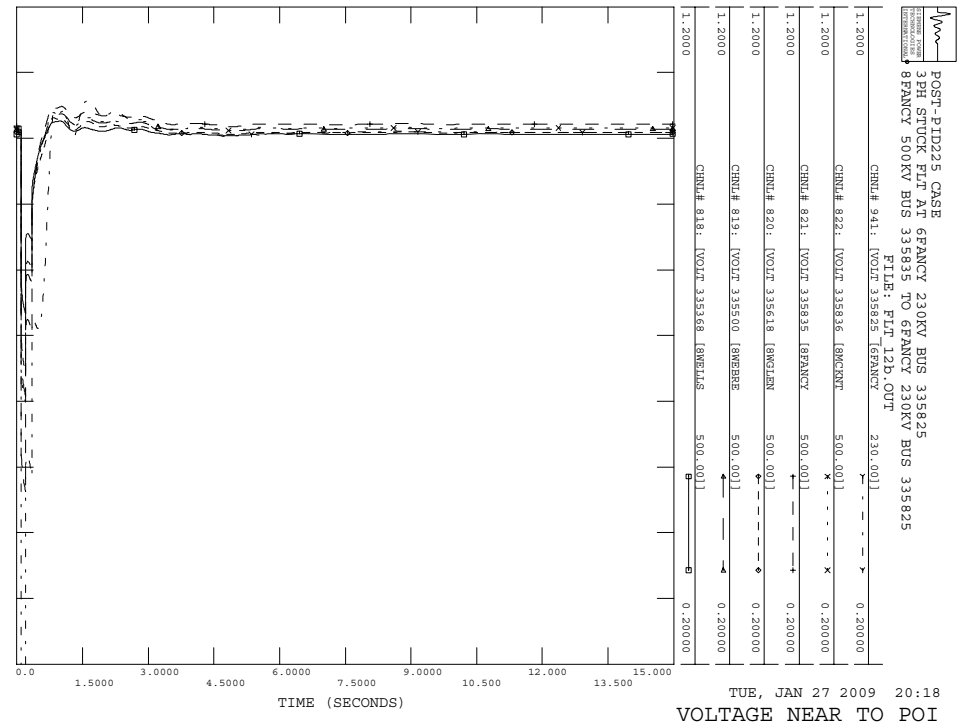
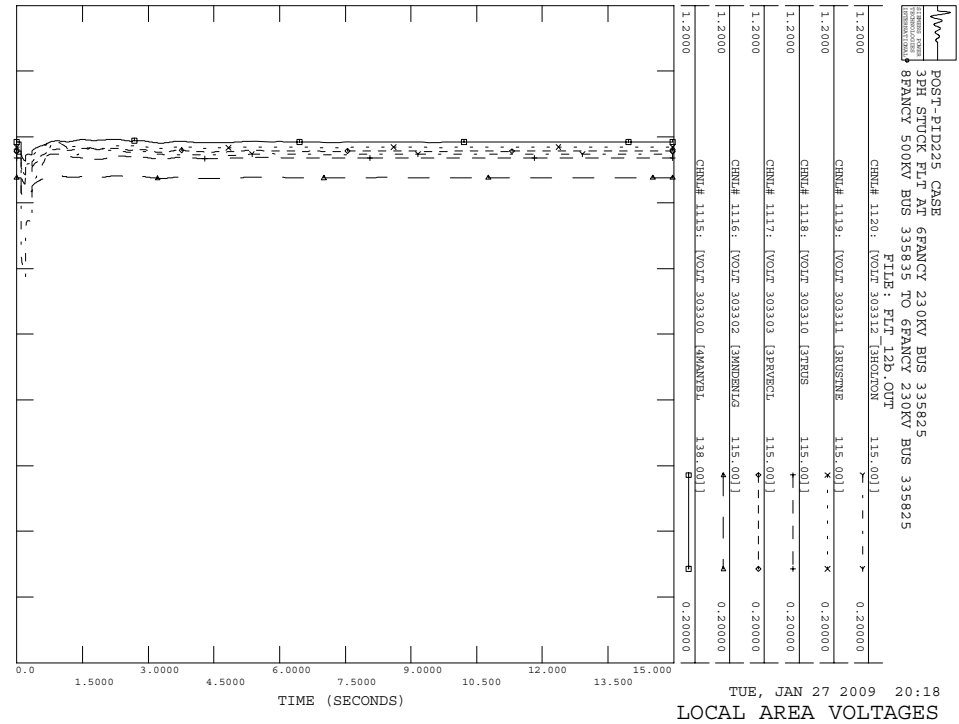














POST-PID25 CASE
3PH STOCK FLT AT 68PANCY 230KV BUS 335825
8PANCY 500KV BUS 335815 TO 68PANCY 230KV BUS 335825

FILE: FLT_12B.OUT
CHNL# 1125: [EPR] BUS 303008 WACH '1' '1'
CHNL# 1131: [ETRM] BUS 303008 WACH '1' '1'
CHNL# 1130: [VARS] BUS 303008 WACH '1' '1'
CHNL# 1129: [FCMR] BUS 303008 WACH '1' '1'
CHNL# 1128: [ANGL] BUS 303008 WACH '1' '1'
CHNL# 1127: [VOLT] BUS 303008 [BAC2 U3 24.000]

0.0100
1.2000
15.000
25.000
150.00
1.2000

-0.0100
0.20000
-10.00
0.0
-150.0
0.20000

TUE, JAN 27 2009 20:18
PID-225 PLOTS

