

Exhibit JRD-19
Summary of BAI Stability Study Results for Critical San Luis Valley Contingencies

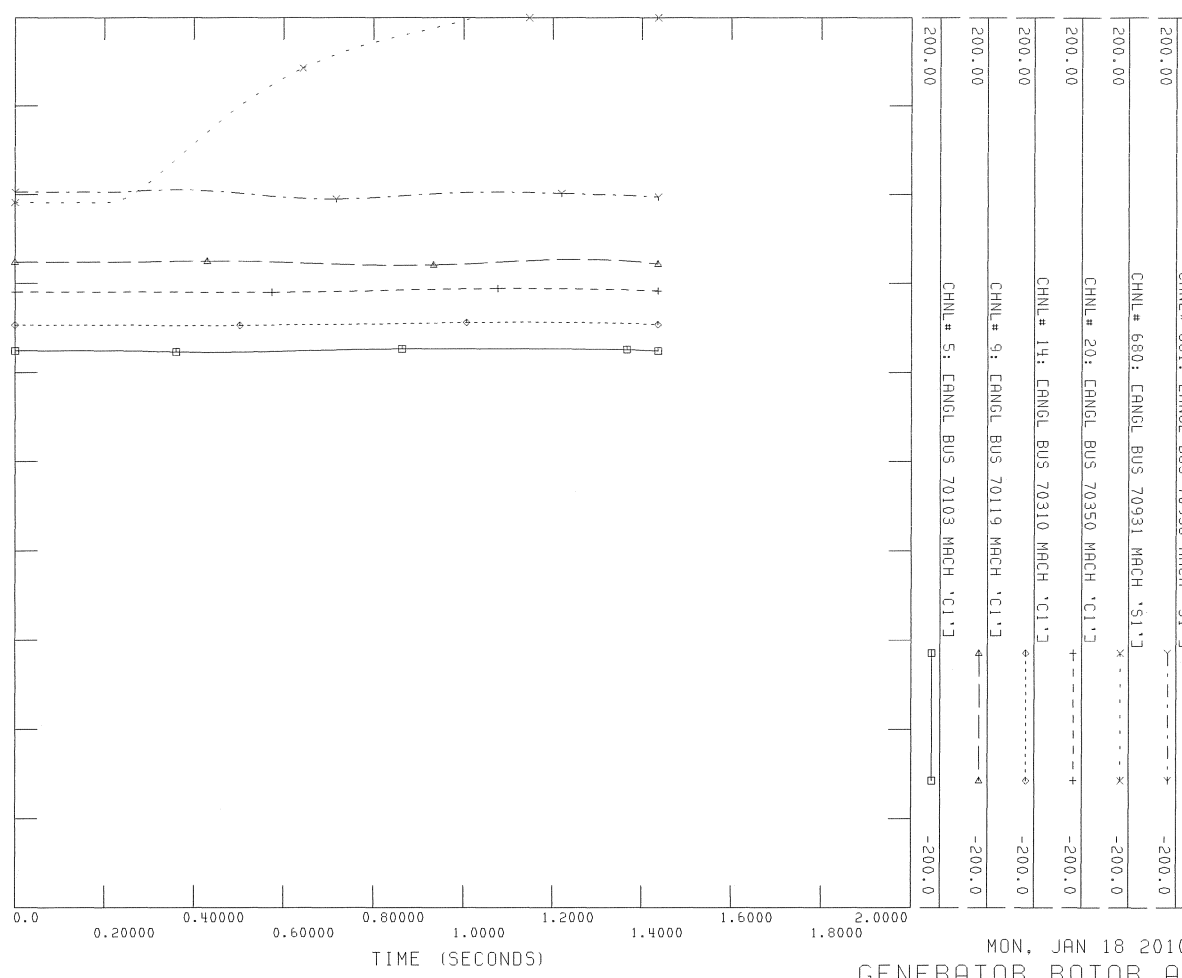
<u>Alternative</u>	<u>Load Level</u>	<u>San Luis Valley Generation (MW)</u>	<u>Number of 125 MW Units added at SLV</u>	<u>Calumet Generation (MW)</u>	<u>Contingency</u>	<u>Contingency Name</u>	<u>NERC Category</u>	<u>Stable?</u>	<u>Voltage Behavior Meets WECC Criteria?</u>
1	Peak	675	6	950	DLG on SLV-Calumet at SLV	SConBAI1	C	No	N/A
1	Peak	625	5	1000	DLG on SLV-Calumet at SLV	SConBAI1	C	Yes	No
1	Peak	600	5	1000	DLG on SLV-Calumet at SLV	SConBAI1	C	Yes	Yes
TR1AE	Peak	650	6	975	3PH on SLV-Poncha #1 at SLV	SCon1	B	Yes	No
TR1AE	Peak	625	5	1000	3PH on SLV-Poncha #1 at SLV	SCon1	B	Yes	No
TR1AE	Peak	600	5	1000	3PH on SLV-Poncha #1 at SLV	SCon1	B	Yes	No
TR1AE	Peak	575	5	1000	3PH on SLV-Poncha #1 at SLV	SCon1	B	Yes	Yes
1	Light	625	5	1000	DLG on SLV-Calumet at SLV	SConBAI1	C	No	N/A
1	Light	600	5	1000	DLG on SLV-Calumet at SLV	SConBAI1	C	No	N/A
1	Light	575	5	1000	DLG on SLV-Calumet at SLV	SConBAI1	C	Yes	Yes
TR1AE	Light	575	5	1000	3PH on SLV-Poncha #1 at SLV	SCon1	B	Yes	No
TR1AE	Light	550	5	1000	3PH on SLV-Poncha #1 at SLV	SCon1	B	Yes	Yes

- Notes:
- 1) Where indicated above, a sixth proxy thermal solar generator at San Luis Valley was modeled by adjusting the MVA base of the five generators and adding a sixth GSU Transformer.
 - 2) The DLG fault on the SLV-Calumet line at SLV represents simultaneous phase-to-ground faults on different phases of the two San Luis Valley-Calumet 230 kV circuits.



15HS_22A2 ALT1-675SLV-950CAL
15HS PAPA SB100 STUDY CASE
ALT 1 SCOB BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-675slv-950cal_sconbr11.0UT

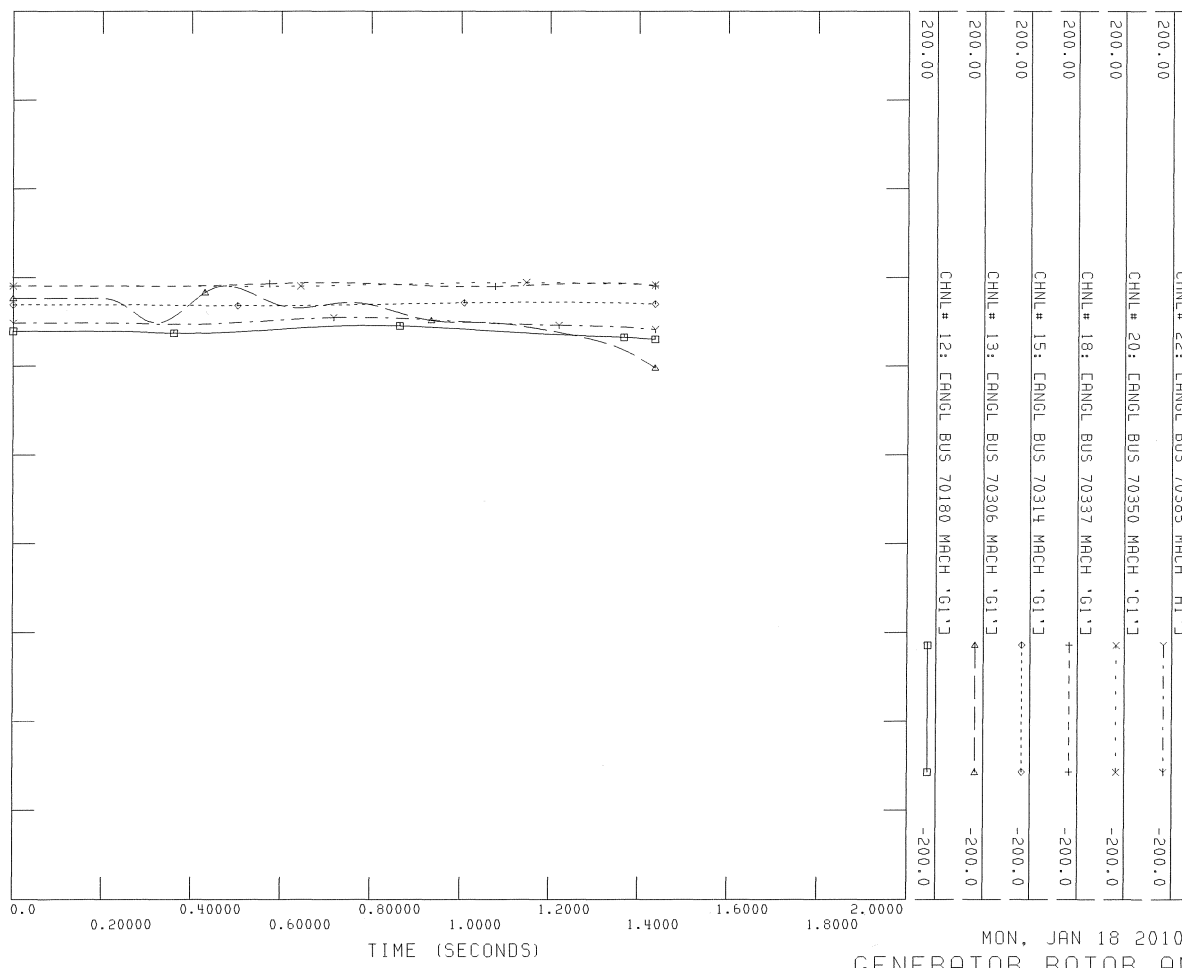


MON, JAN 18 2010 12:42
GENERATOR ROTOR ANGLES



15HS_22A2 ALT1-675SLV-950CAL
15HS PAPA SB100 STUDY CASE
ALT 1 SCOB BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-675slv-950cal_sconbr11.0UT



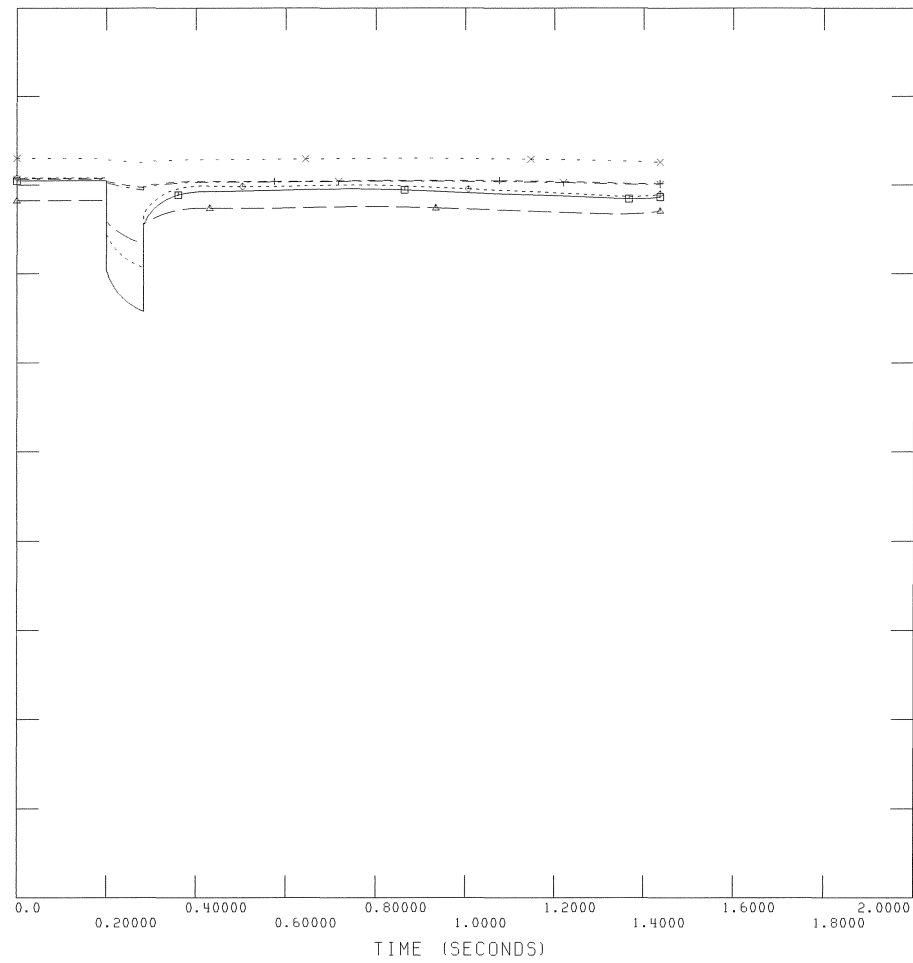
MON, JAN 18 2010 12:42
GENERATOR ROTOR ANGLES



15HS_Z2A2 ALTI-675SLV-950CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCOB BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-675slv-950cal_sconbr11.0UT

1.2000	CHNL # 644: EVOLTI 73108 ELAR.R1VR	345.0033	0.20000
1.2000	CHNL # 633: EVOLTI 73012 CPULT	345.0033	0.20000
1.2000	CHNL # 624: EVOLTI 70654 ECOMANCHE	345.0033	0.20000
1.2000	CHNL # 620: EVOLTI 70601 EDANIELPK	345.0033	0.20000
1.2000	CHNL # 678: EVOLTI 73995 ECRUMET	345.0033	0.20000



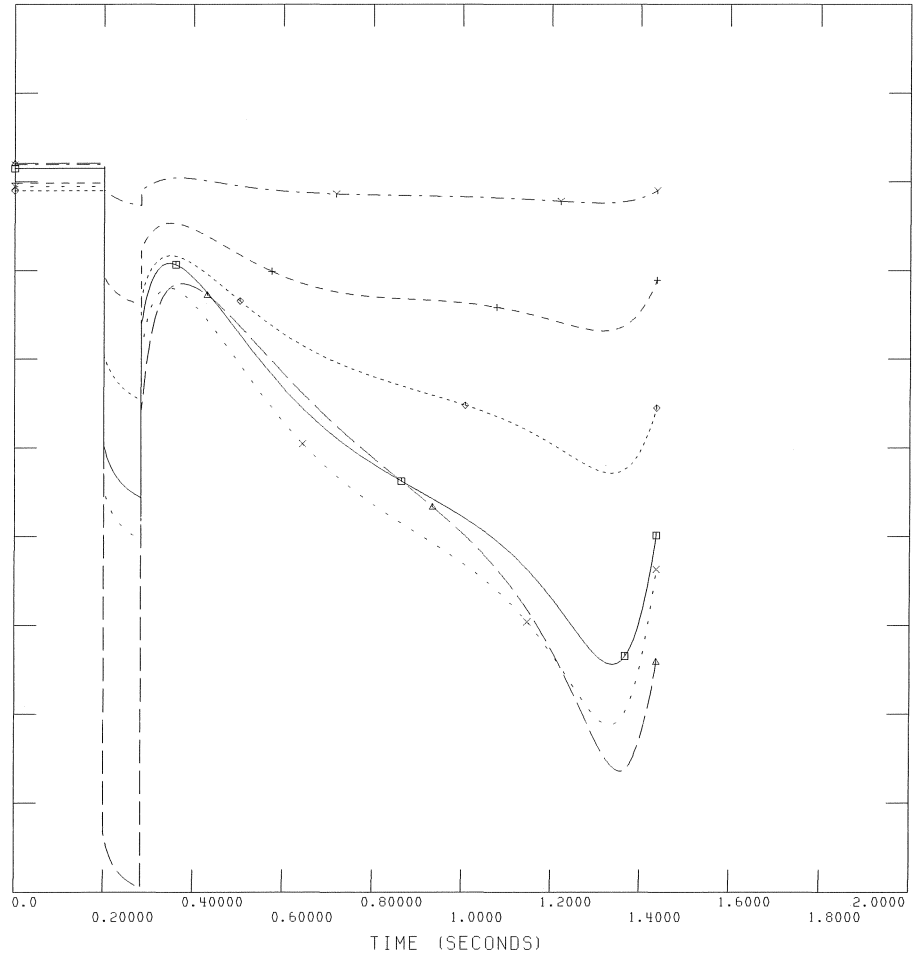
MON, JAN 18 2010 12:42
VOLTAGES - 345 KV



15HS_Z2A2 ALTI-675SLV-950CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCOB BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-675slv-950cal_sconbr11.0UT

1.2000	CHNL # 672: EVOLTI 79054 EPONCHBR	230.0033	0.20000
1.2000	CHNL # 670: EVOLTI 79021 ECURECAINT	230.0033	0.20000
1.2000	CHNL # 665: EVOLTI 73551 EM CANON	230.0033	0.20000
1.2000	CHNL # 579: EVOLTI 70375 ESNALSVLY	230.0033	0.20000
1.2000	CHNL # 572: EVOLTI 70327 EPONCHBR	115.0033	0.20000



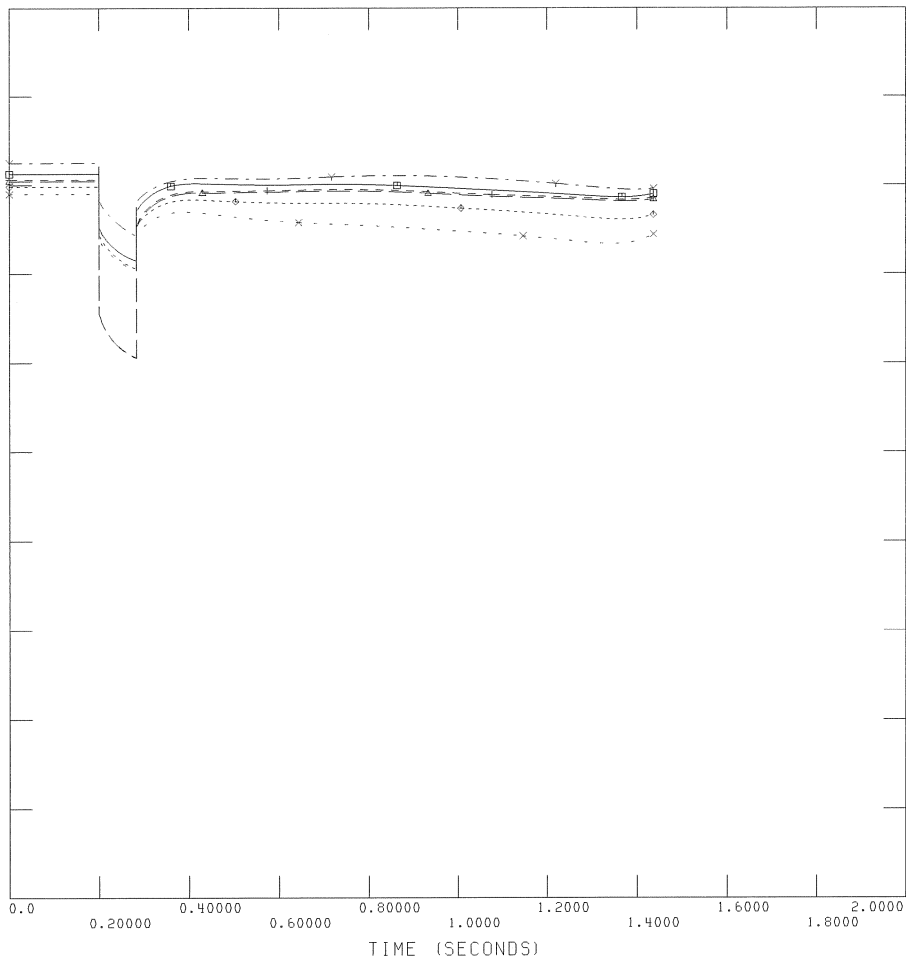
MON, JAN 18 2010 12:42
VOLTAGES - 230 KV



15HS_Z2A2 ALT1-675SLV-950CAL
15HS_PAPA_SB100 STUDY CASE
ALT 1 SCOR BAII - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-675slv-950cal_sconba11.out

1.2000	CHNL # 617: EVOLT 70560 CLAMMA DC	230.00JJ	0.20000
1.2000	CHNL # 563: EVOLT 70286 EMIDMRTPS	230.00JJ	0.20000
1.2000	CHNL # 679: EVOLT 73996 ECRUMET	230.00JJ	0.20000
1.2000	CHNL # 524: EVOLT 70061 EBOONE	230.00JJ	0.20000
1.2000	CHNL # 592: EVOLT 70459 EMPLSENBG	230.00JJ	0.20000
1.2000	CHNL # 534: EVOLT 70122 ECOMRNCHE	230.00JJ	0.20000



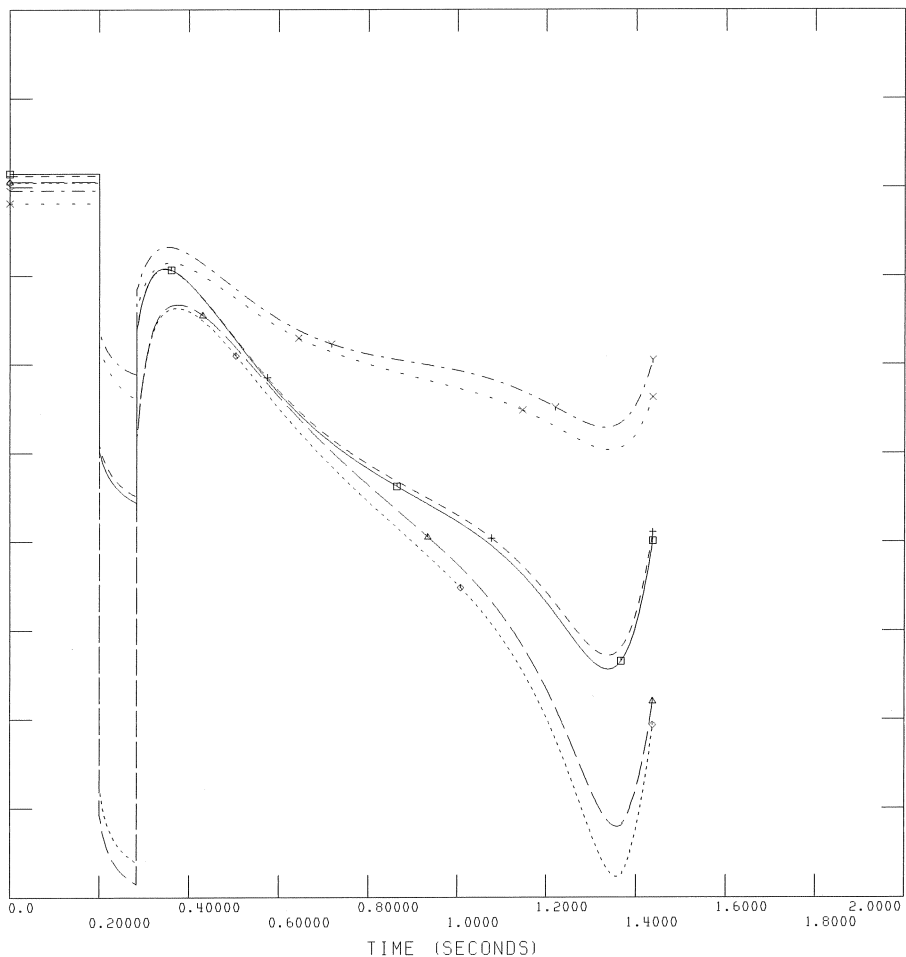
MON, JAN 18 2010 12:42
VOLTAGES - 230 KV



15HS_Z2A2 ALT1-675SLV-950CAL
15HS_PAPA_SB100 STUDY CASE
ALT 1 SCOR BAII - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-675slv-950cal_sconba11.out

1.2000	CHNL # 615: EVOLT 70550 EM CANON	115.00JJ	0.20000
1.2000	CHNL # 582: EVOLT 70394 ESMELTER	115.00JJ	0.20000
1.2000	CHNL # 580: EVOLT 70379 ESRAGENT	115.00JJ	0.20000
1.2000	CHNL # 578: EVOLT 70374 ESRANSLVLY	115.00JJ	0.20000
1.2000	CHNL # 572: EVOLT 70327 EPOCHHA	115.00JJ	0.20000

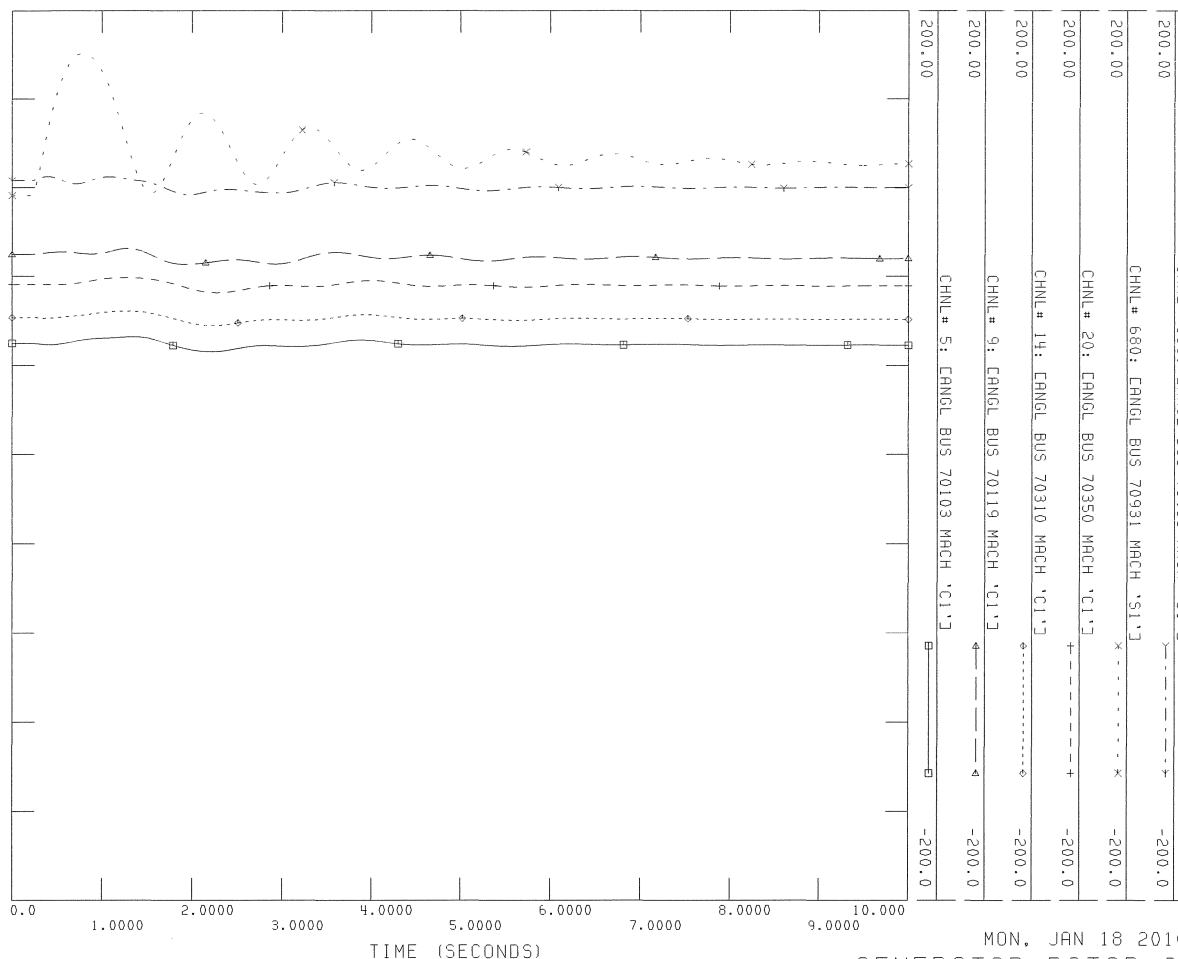


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VOLTAGES - 115



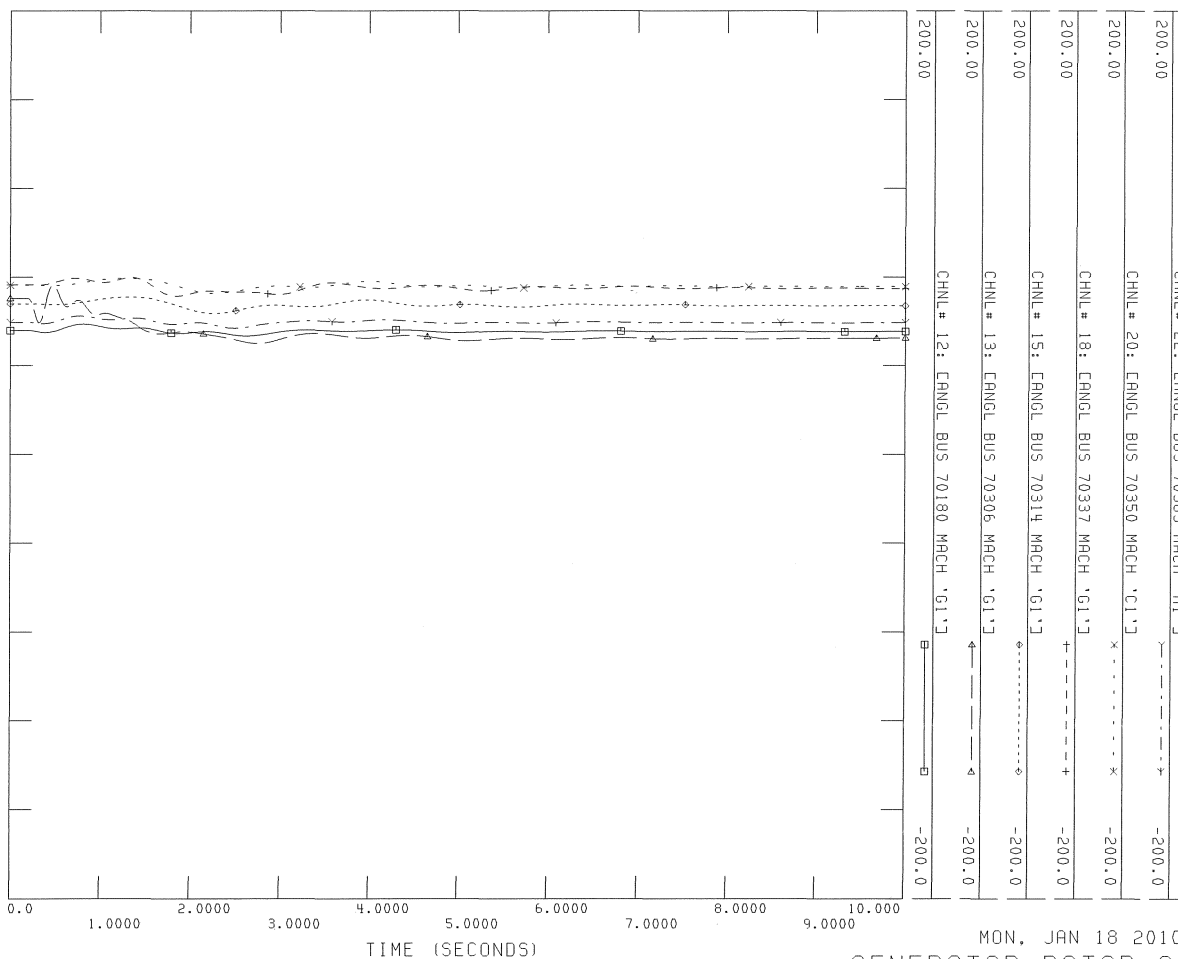
15HS_Z2A2 ALT1-625SLV-1000CAL
15HS PAPA SB100 STUDY CASE
ALT 1 SCOR BAI1 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

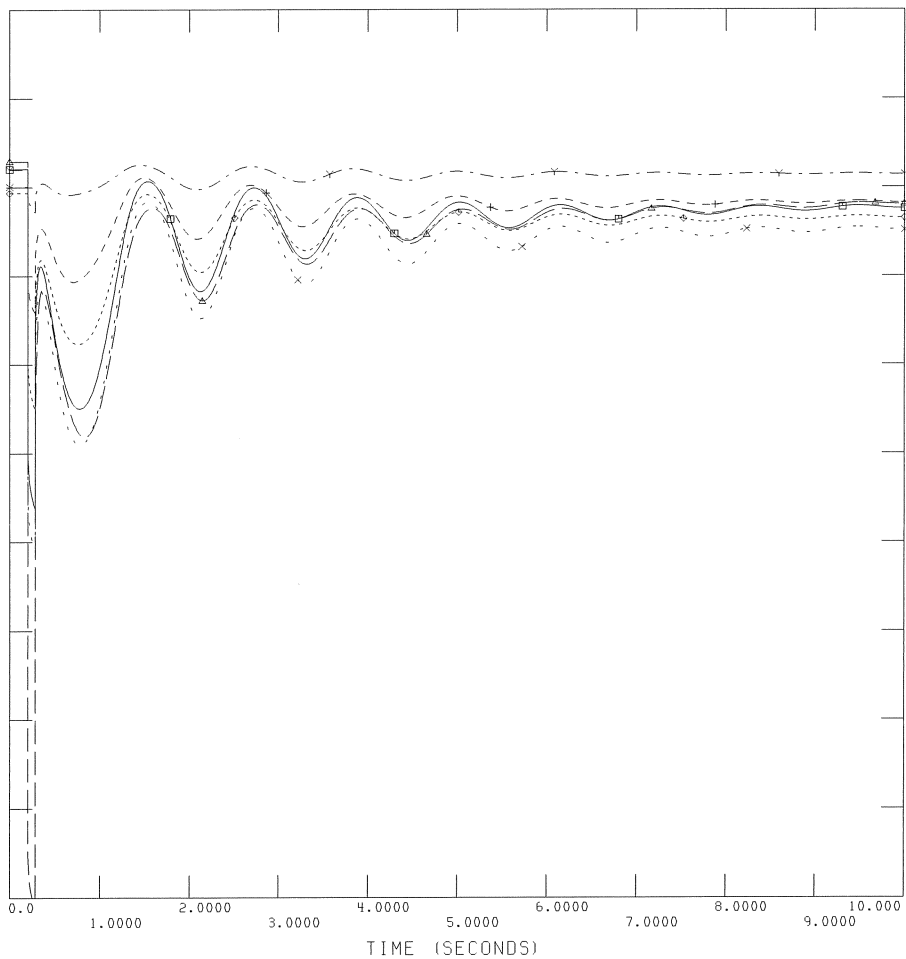
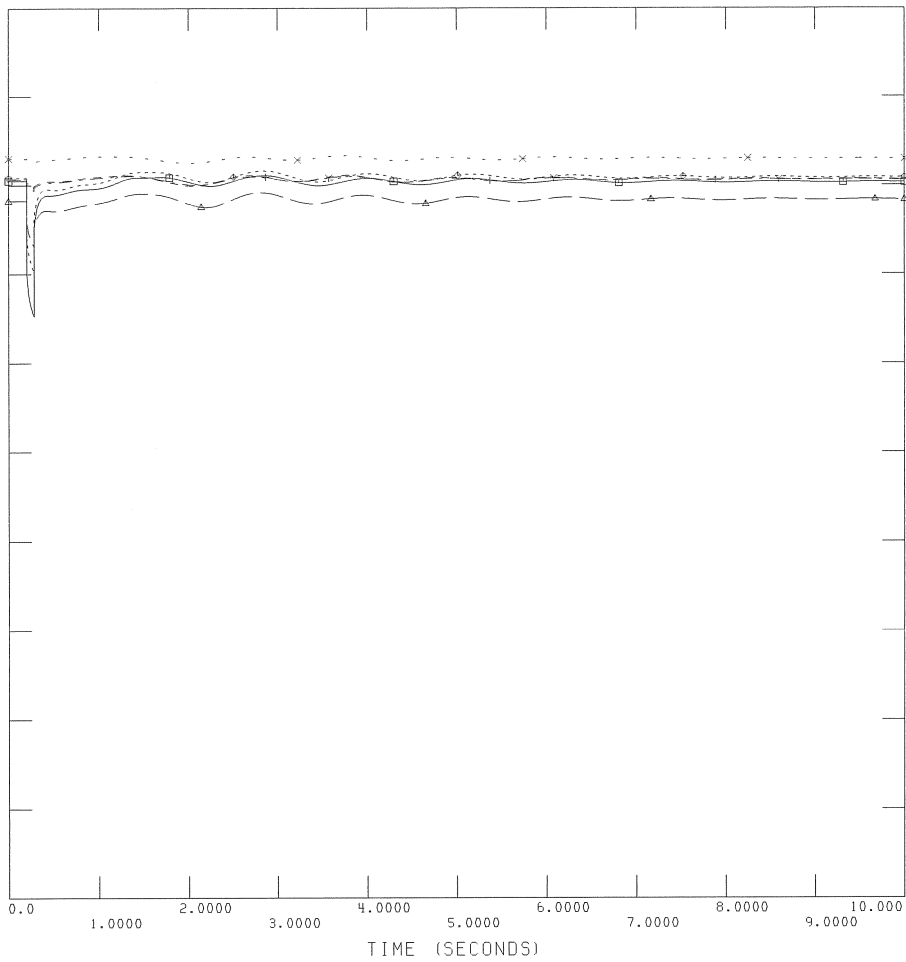
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15HS_Z2A2 ALT1-625SLV-1000CAL
15HS PAPA SB100 STUDY CASE
ALT 1 SCOR BAI1 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-625slv-1000cal_scorbai1.00T



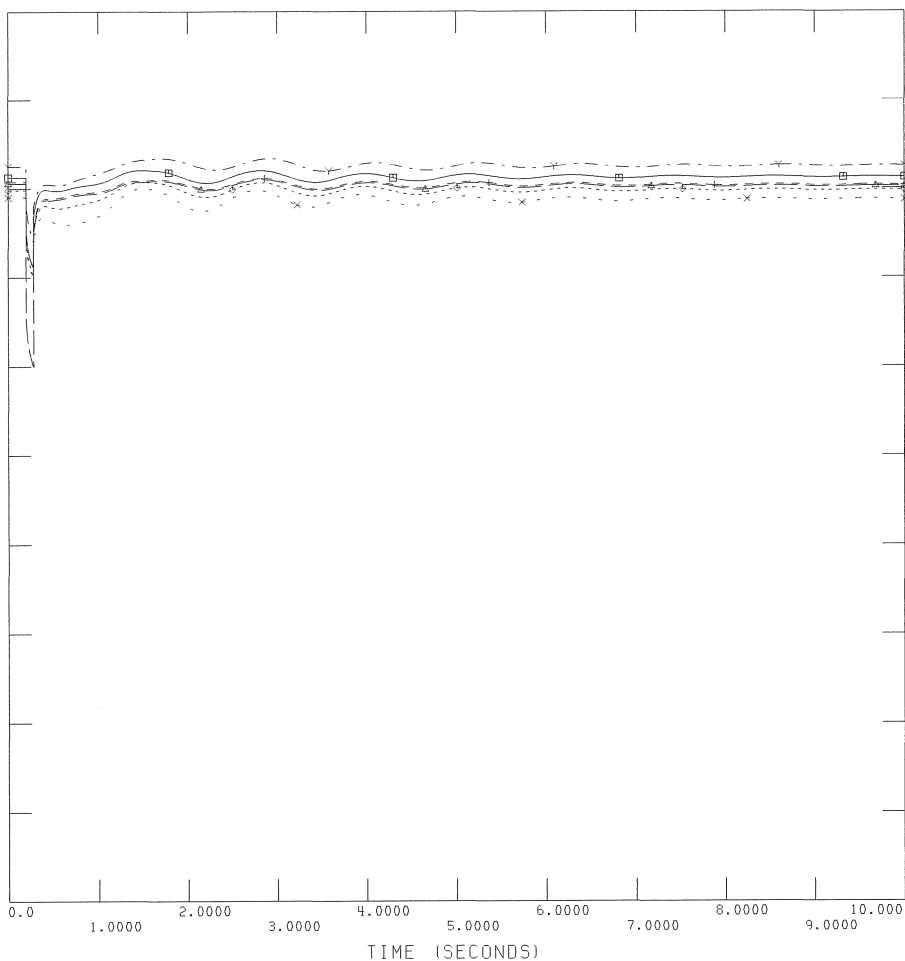




15HS-Z2A2 ALTI-625SLV-1000CAL
15HS PAPA SB100 STUDY CASE
PLT 1 SCON BA11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\proj\work\...\plotting\alt1-625slv-1000cal_sconba11.0ut

1.2000	CHNL# 617: EVOLT 70360 CLAMMR DC	230.0033	0.20000
1.2000	CHNL# 563: EVOLT 70286 CMIDHATPS	230.0033	0.20000
1.2000	CHNL# 679: EVOLT 73996 LCALUMET	230.0033	0.20000
1.2000	CHNL# 524: EVOLT 70061 LB00NE	230.0033	0.20000
1.2000	CHNL# 592: EVOLT 70459 CMLSENBC	230.0033	0.20000
1.2000	CHNL# 534: EVOLT 70122 CCOMANCHE	230.0033	0.20000



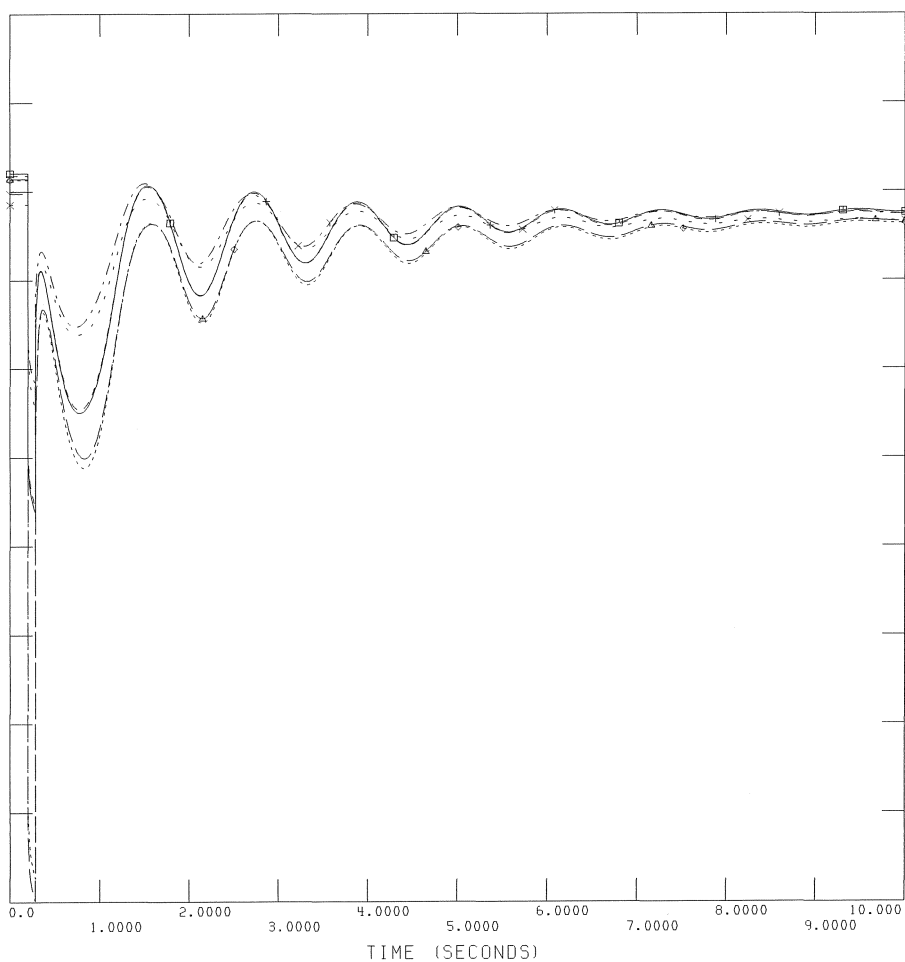
MON, JAN 18 2010 12:43
VOLTAGES - 230 KV



15HS-Z2A2 ALTI-625SLV-1000CAL
15HS PAPA SB100 STUDY CASE
PLT 1 SCON BA11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\proj\work\...\plotting\alt1-625slv-1000cal_sconba11.0ut

1.2000	CHNL# 615: EVOLT 70550 CM CANON	115.0033	0.20000
1.2000	CHNL# 582: EVOLT 70394 CSMELTER	115.0033	0.20000
1.2000	CHNL# 580: EVOLT 70379 CSARGENT	115.0033	0.20000
1.2000	CHNL# 578: EVOLT 70374 CSANLSLVY	115.0033	0.20000
1.2000	CHNL# 572: EVOLT 70327 CPONCHA	115.0033	0.20000

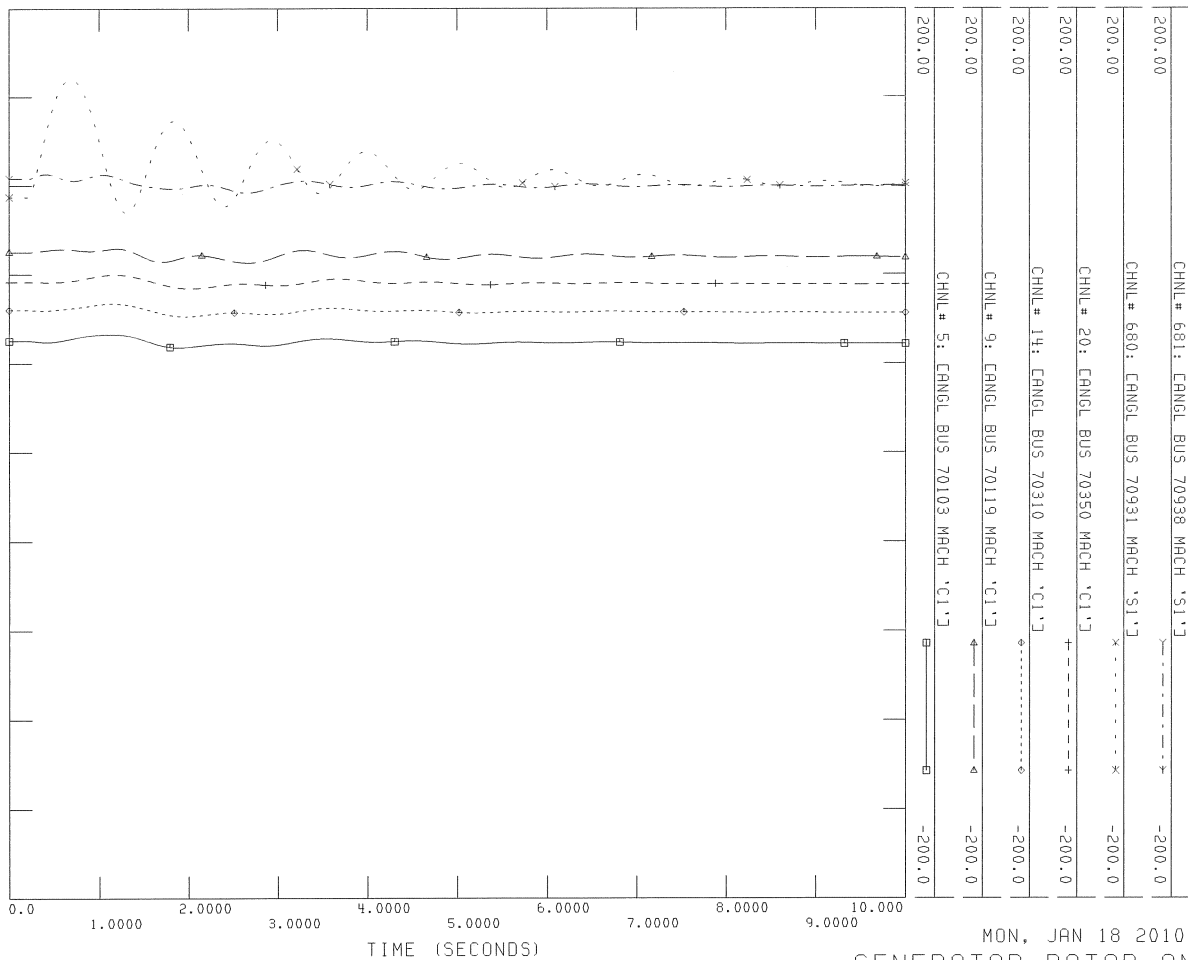


MON, JAN 18 2010 12:43
VOLTAGES - 115



15HS-Z2A2 ALTI-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCON BARI - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

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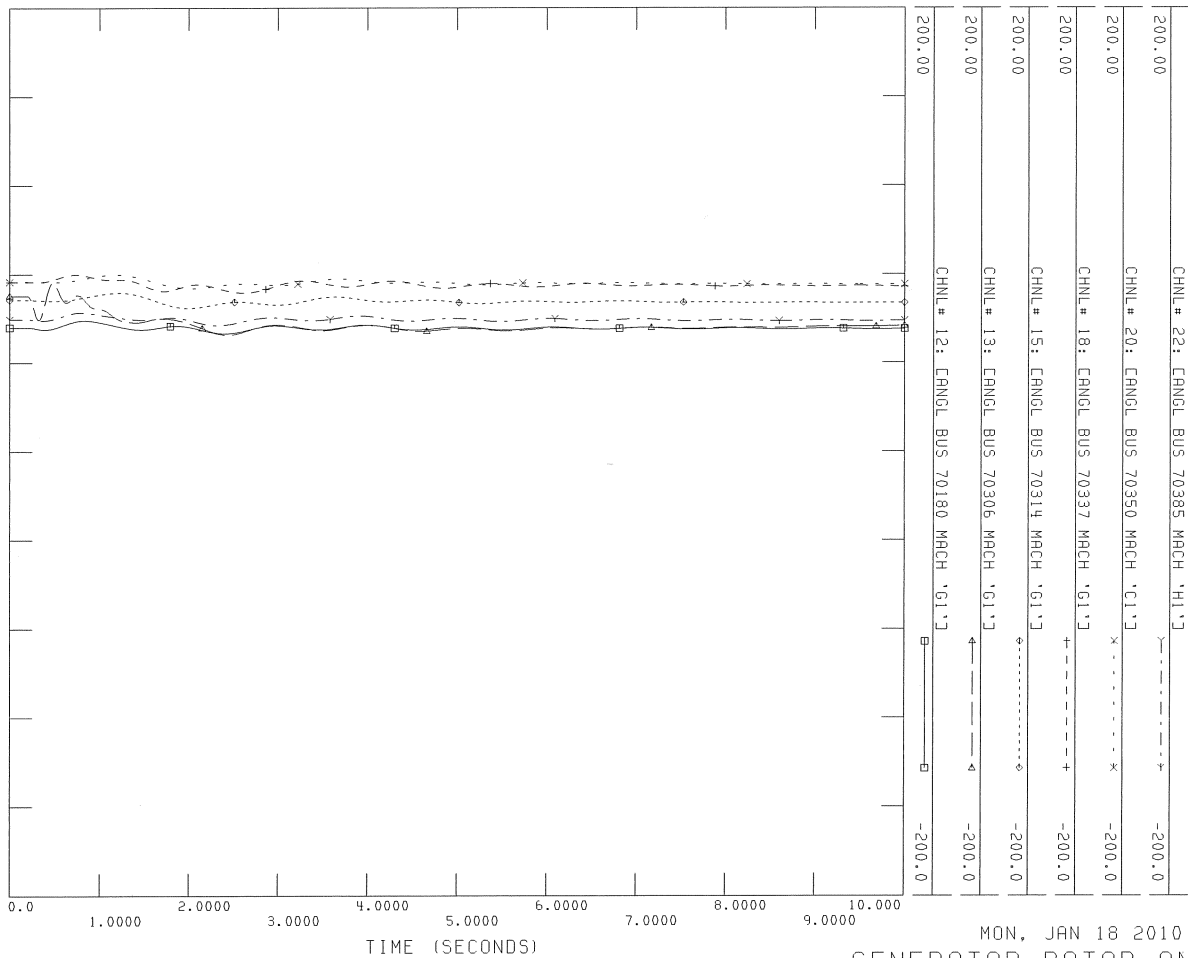


MON, JAN 18 2010 12:44
GENERATOR ROTOR ANGLES



15HS-Z2A2 ALTI-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCON BARI - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-600slv-1000cal_sconbar11.0UT



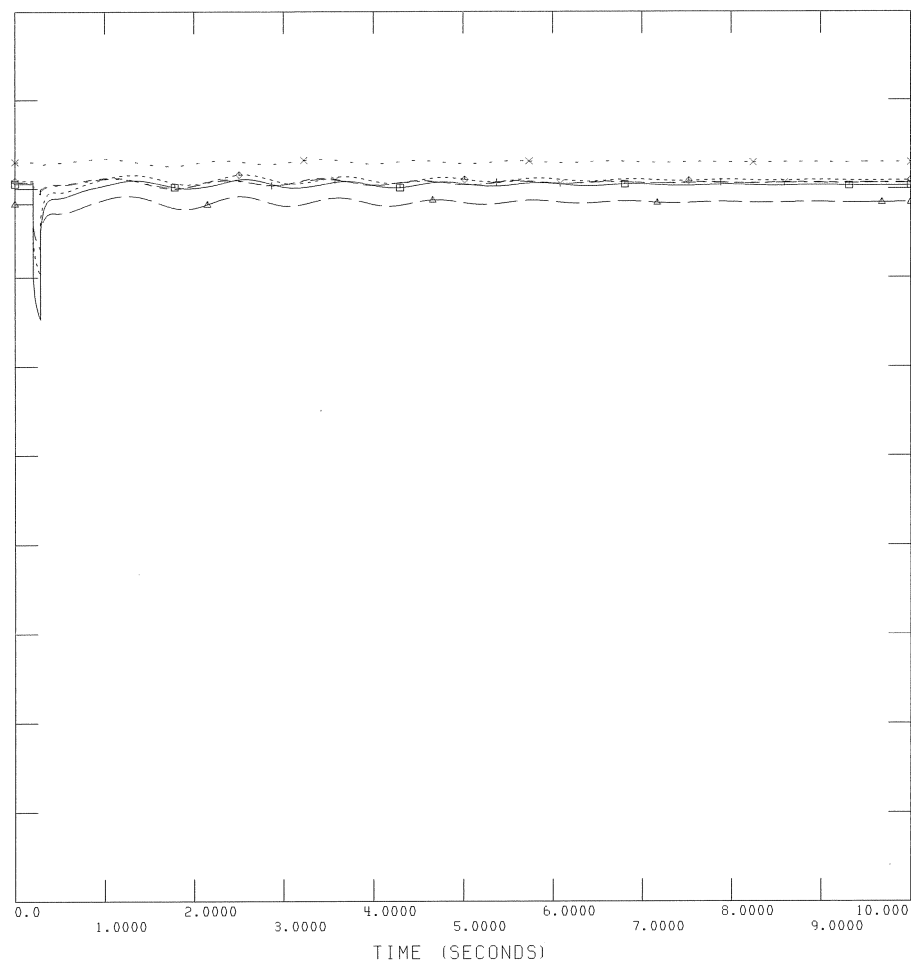
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GENERATOR ROTOR ANGLES



15HS-Z2A2 ALTI-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCON BR11 - FLT AT SLV ON BOTH SLV-CLUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-600slv-1000cal_sconbr11.0UT

1.2000	CHNL # 653: EVOLT 73193 ESTORY	345.00JJ	0.20000
1.2000	CHNL # 644: EVOLT 73108 CLAR.RIVR	345.00JJ	0.20000
1.2000	CHNL # 633: EVOLT 73012 CRULT	345.00JJ	0.20000
1.2000	CHNL # 624: EVOLT 70654 ECOMANCHE	345.00JJ	0.20000
1.2000	CHNL # 620: EVOLT 70601 EDANIELPK	345.00JJ	0.20000
1.2000	CHNL # 678: EVOLT 73995 ECRUMET	345.00JJ	0.20000



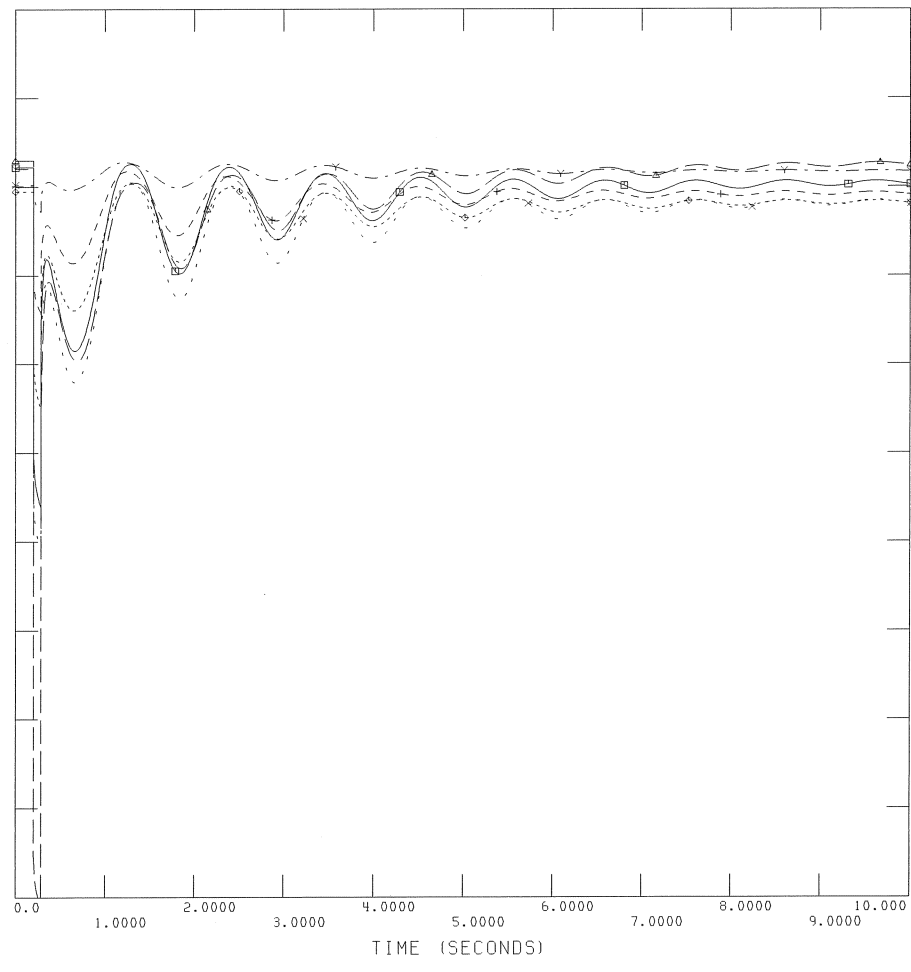
MON, JAN 18 2010 12:44
VOLTAGES - 345 KV



15HS-Z2A2 ALTI-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCON BR11 - FLT AT SLV ON BOTH SLV-CLUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-600slv-1000cal_sconbr11.0UT

1.2000	CHNL # 553: EVOLT 70274 CMLTR	230.00JJ	0.20000
1.2000	CHNL # 672: EVOLT 79054 CPONCHBR	230.00JJ	0.20000
1.2000	CHNL # 670: EVOLT 79021 ECURECANT	230.00JJ	0.20000
1.2000	CHNL # 665: EVOLT 73551 CM CANON	230.00JJ	0.20000
1.2000	CHNL # 579: EVOLT 70375 ESRNLSLV	230.00JJ	0.20000
1.2000	CHNL # 572: EVOLT 70327 CPONCHR	115.00JJ	0.20000



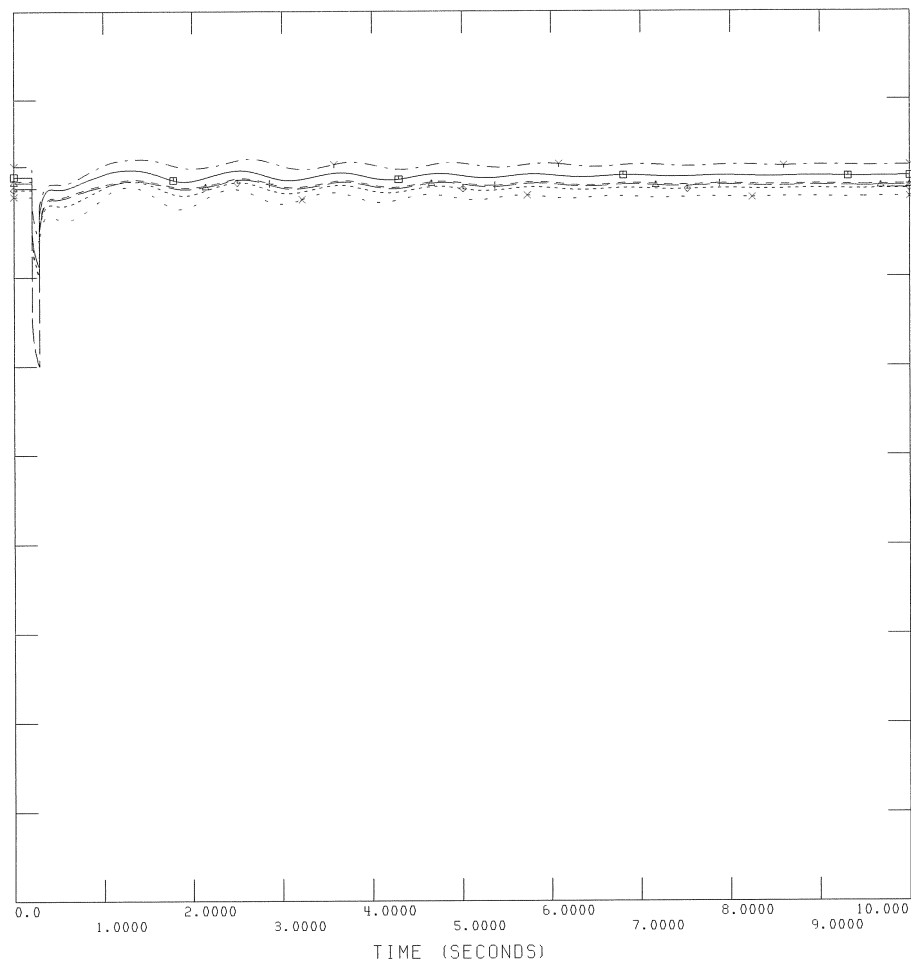
MON, JAN 18 2010 12:44
VOLTAGES - 230 KV



15HS-Z2A2 ALT1-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCOR BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-600slv-1000cal_scorbr11.out

1.2000	CHNL# 617: EVOLT 70560 CLAMAR DC	230.0033	0.20000
1.2000	CHNL# 563: EVOLT 70286 EMDMAYPS	230.0033	0.20000
1.2000	CHNL# 679: EVOLT 73996 ECALUMET	230.0033	0.20000
1.2000	CHNL# 524: EVOLT 70061 EB00NE	230.0033	0.20000
1.2000	CHNL# 592: EVOLT 70459 EMLSENBG	230.0033	0.20000
1.2000	CHNL# 534: EVOLT 70122 ECOMANCHE	230.0033	0.20000



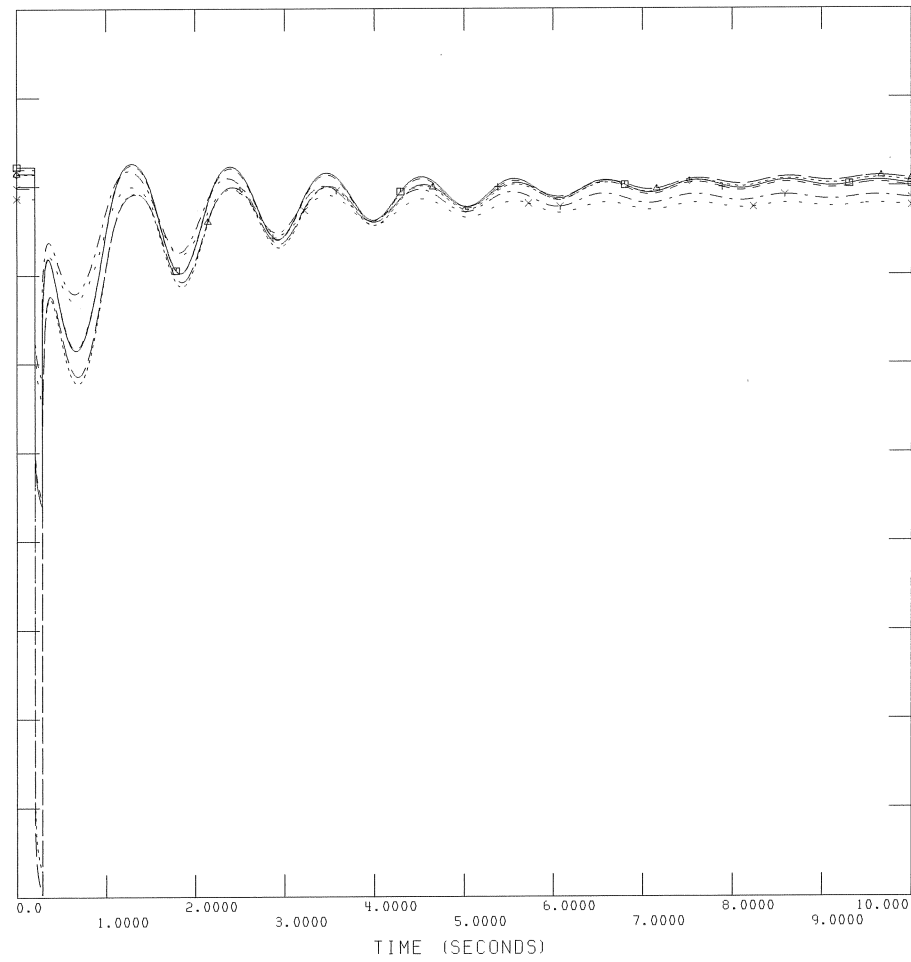
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VOLTAGES - 230 KV



15HS-Z2A2 ALT1-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT 1 SCOR BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-600slv-1000cal_scorbr11.out

1.2000	CHNL# 615: EVOLT 70550 EM CANON	115.0033	0.20000
1.2000	CHNL# 582: EVOLT 70394 ESMELTER	115.0033	0.20000
1.2000	CHNL# 580: EVOLT 70379 ESRBENT	115.0033	0.20000
1.2000	CHNL# 578: EVOLT 70374 ESRN SYLY	115.0033	0.20000
1.2000	CHNL# 572: EVOLT 70327 EPNCHR	115.0033	0.20000

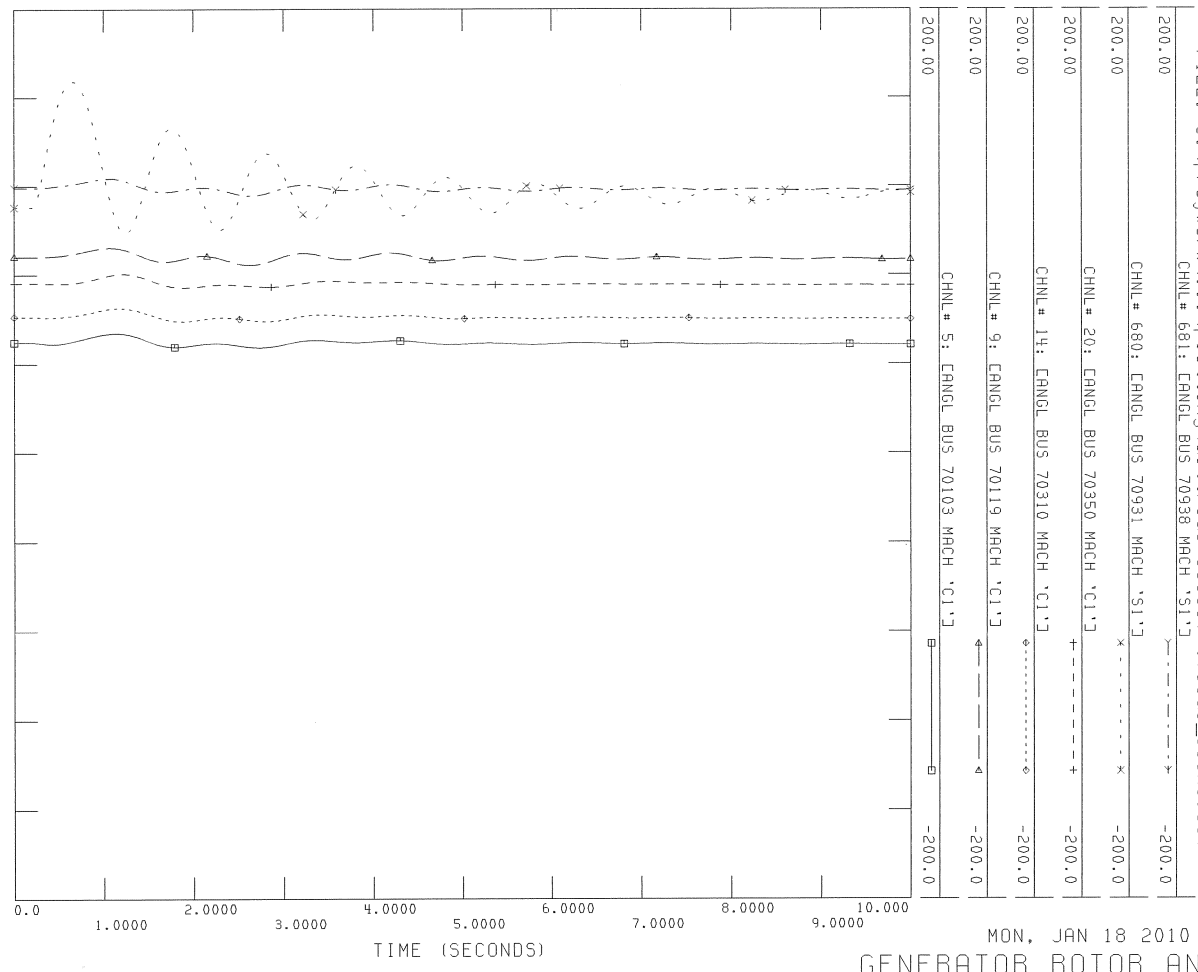


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VOLTAGES - 115



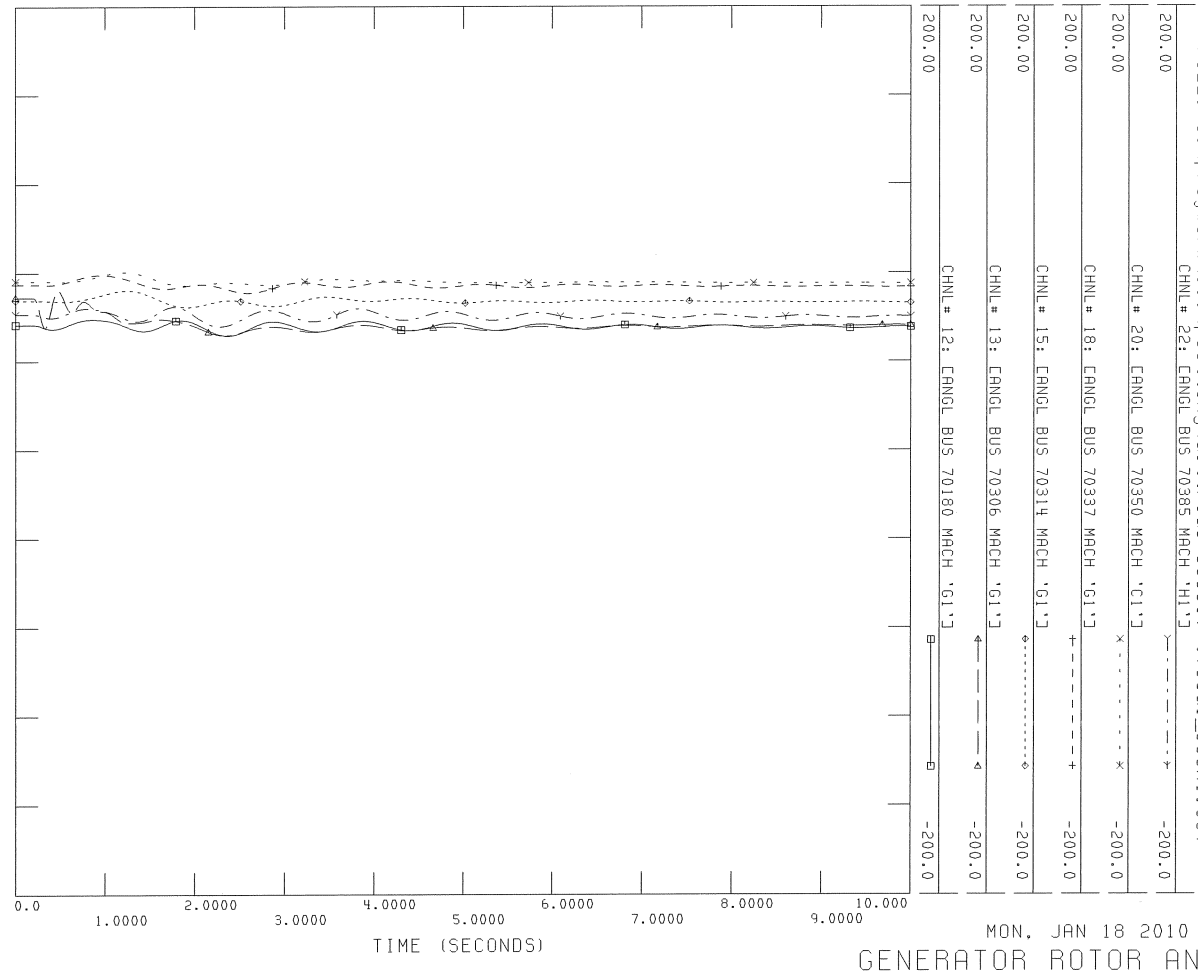
15HS-Z2A2 TRIAE-650SLV-975CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SCON 1 - FAULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-650slv-975cal_scon1.out



15HS-Z2A2 TRIAE-650SLV-975CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SCON 1 - FAULT AT SLV ON SLV-PONCH 230 KV

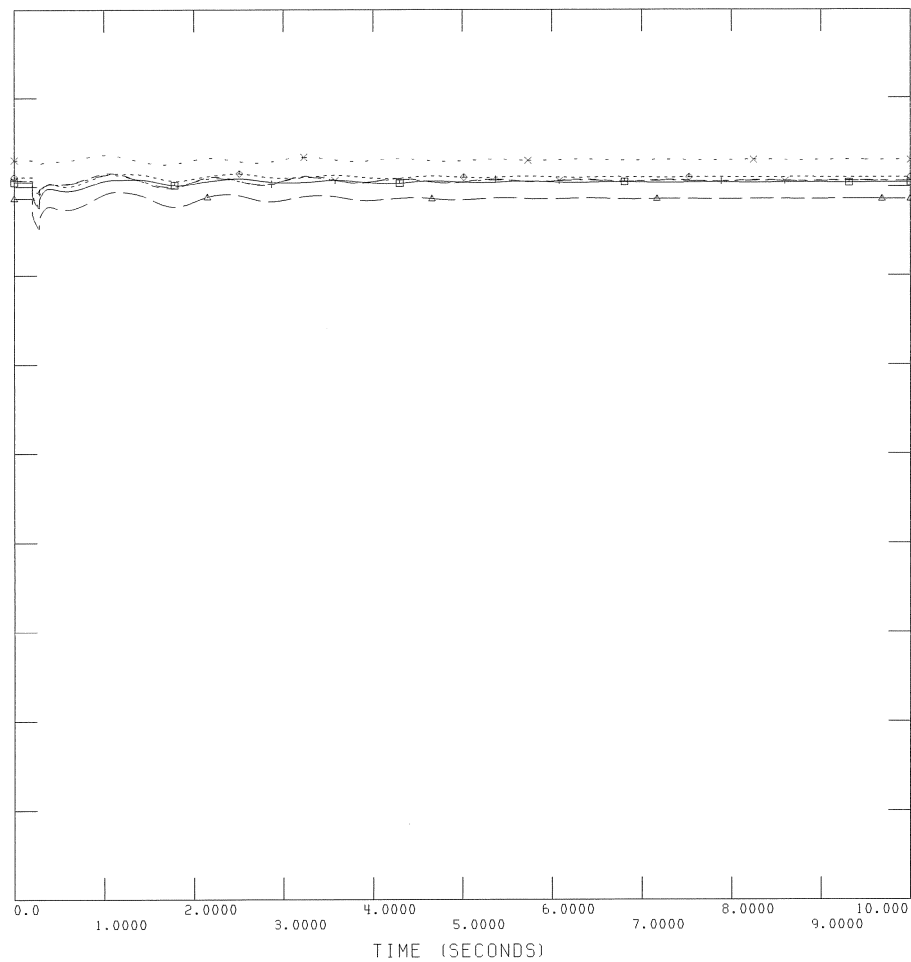
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15HS-22A2 TRIAE-650SLV-975CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\Plotting\alttriae-650slv-975cal_Scon1.0UT

1.2000	CHNL# 633: EVOLT 73193 ESTORX	345.0033	0.20000
1.2000	CHNL# 644: EVOLT 73108 CLAR.RIVR	345.0033	0.20000
1.2000	CHNL# 633: EVOLT 73012 CROUT	345.0033	0.20000
1.2000	CHNL# 624: EVOLT 70654 ECOMANCHE	345.0033	0.20000
1.2000	CHNL# 620: EVOLT 70601 ECOMANLPK	345.0033	0.20000
1.2000	CHNL# 678: EVOLT 73995 ECALUMET	345.0033	0.20000

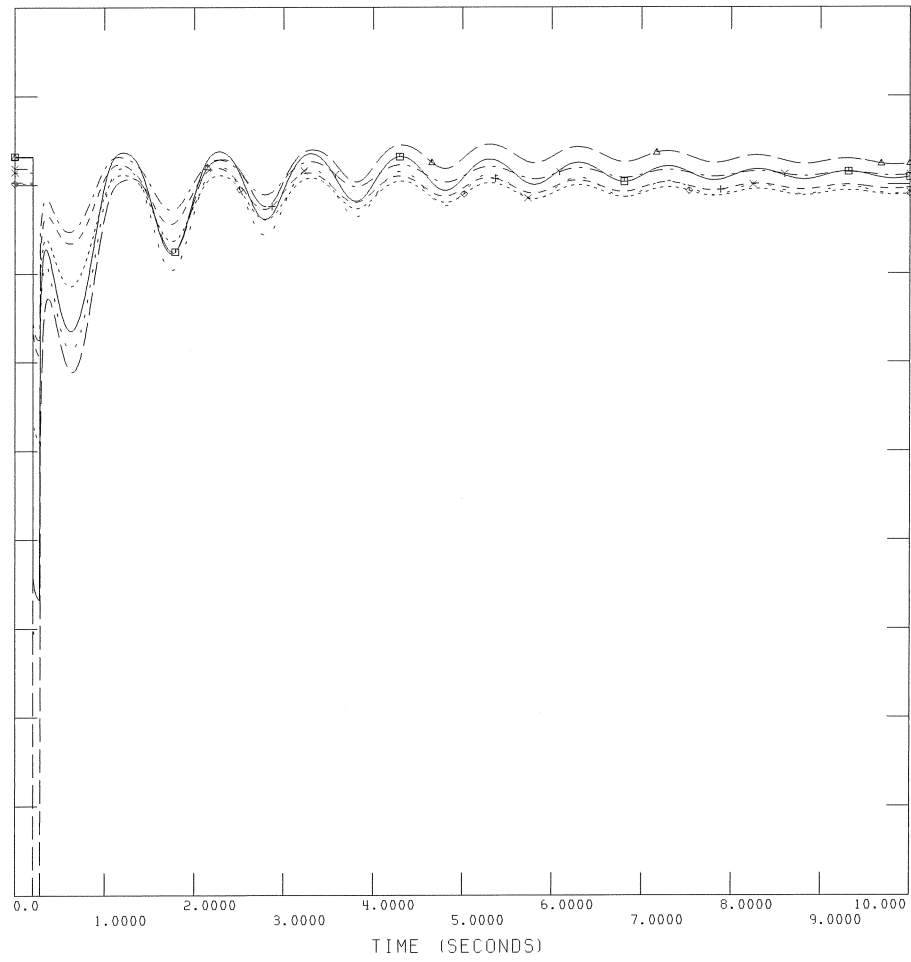


MON, JAN 18 2010 12:29
VOLTAGES - 345 KV

15HS-22A2 TRIAE-650SLV-975CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\Plotting\alttriae-650slv-975cal_Scon1.0UT

1.2000	CHNL# 559: EVOLT 70278 EMULTA	230.0033	0.20000
1.2000	CHNL# 672: EVOLT 79051 EPONCHRR	230.0033	0.20000
1.2000	CHNL# 670: EVOLT 79021 ECURECAINT	230.0033	0.20000
1.2000	CHNL# 665: EVOLT 73551 EM CANON	230.0033	0.20000
1.2000	CHNL# 579: EVOLT 70375 ESANLSLVY	230.0033	0.20000
1.2000	CHNL# 572: EVOLT 70327 EPONCHR	115.0033	0.20000



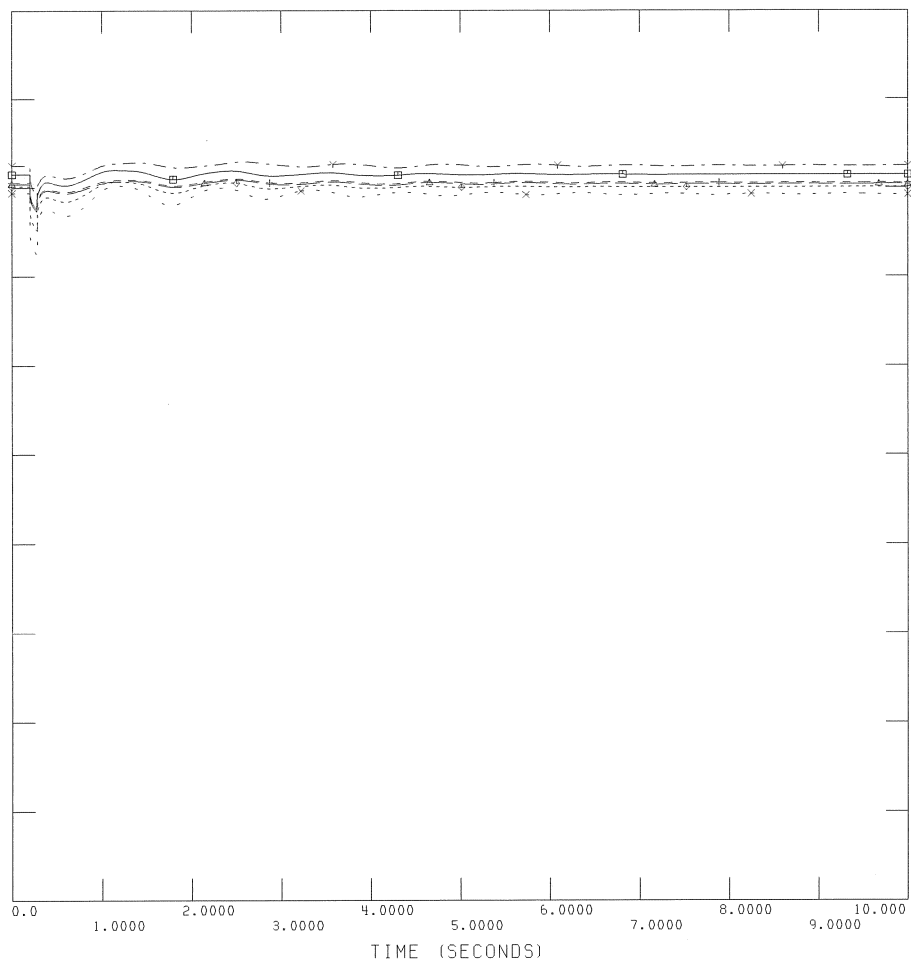
MON, JAN 18 2010 12:29
VOLTAGES - 230 KV



15HS_Z2A2 TRIAE-650SLV-975CAL
15HS_PAPA SB100 STUDY CASE
ALT TRI SC0N 1 - FRULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-650slv-975cal_Scon1.0UT

1.2000	CHNL # 617: EVOLT 70560 ELNAR DC	230.0000	0.20000
1.2000	CHNL # 563: EVOLT 70286 EMIDWAPS	230.0000	0.20000
1.2000	CHNL # 679: EVOLT 73996 ECALUMET	230.0000	0.20000
1.2000	CHNL # 524: EVOLT 70061 EBOONE	230.0000	0.20000
1.2000	CHNL # 592: EVOLT 70459 EMULSENBC	230.0000	0.20000
1.2000	CHNL # 534: EVOLT 70122 ECONANCHE	230.0000	0.20000



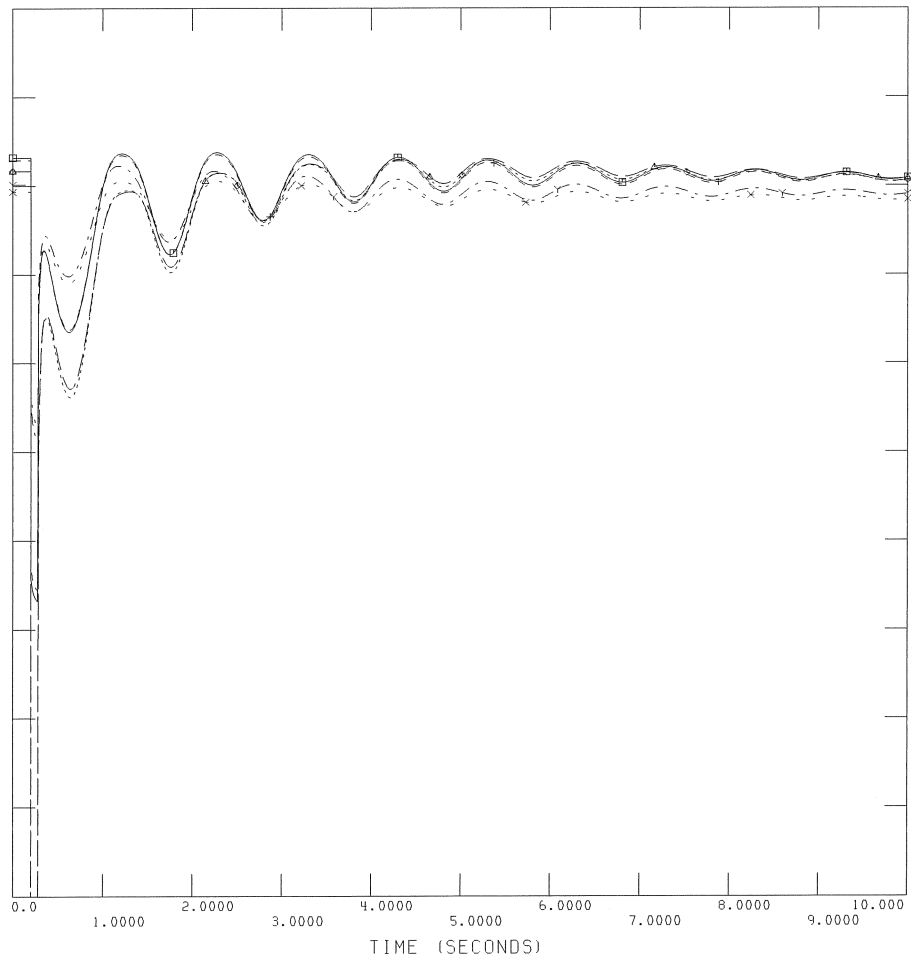
MON, JAN 18 2010 12:29
VOLTAGES - 230 KV



15HS_Z2A2 TRIAE-650SLV-975CAL
15HS_PAPA SB100 STUDY CASE
ALT TRI SC0N 1 - FRULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-650slv-975cal_Scon1.0UT

1.2000	CHNL # 615: EVOLT 70550 EM CANON	115.0000	0.20000
1.2000	CHNL # 582: EVOLT 70394 ESMELTER	115.0000	0.20000
1.2000	CHNL # 580: EVOLT 70379 ESMAGENT	115.0000	0.20000
1.2000	CHNL # 578: EVOLT 70374 ESMULSVLY	115.0000	0.20000
1.2000	CHNL # 572: EVOLT 70327 EPONCH	115.0000	0.20000

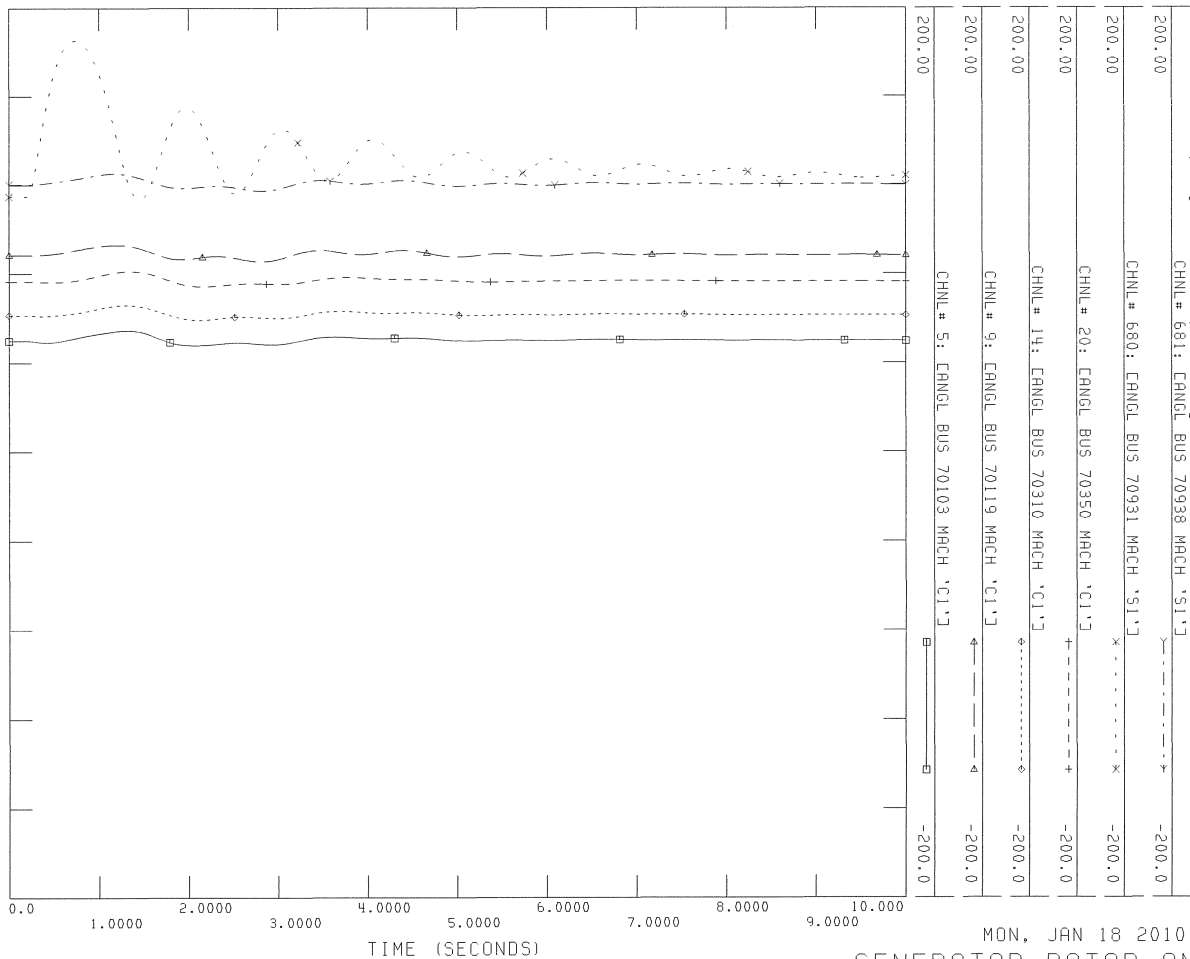


MON, JAN 18 2010 12:29
VOLTAGES - 115



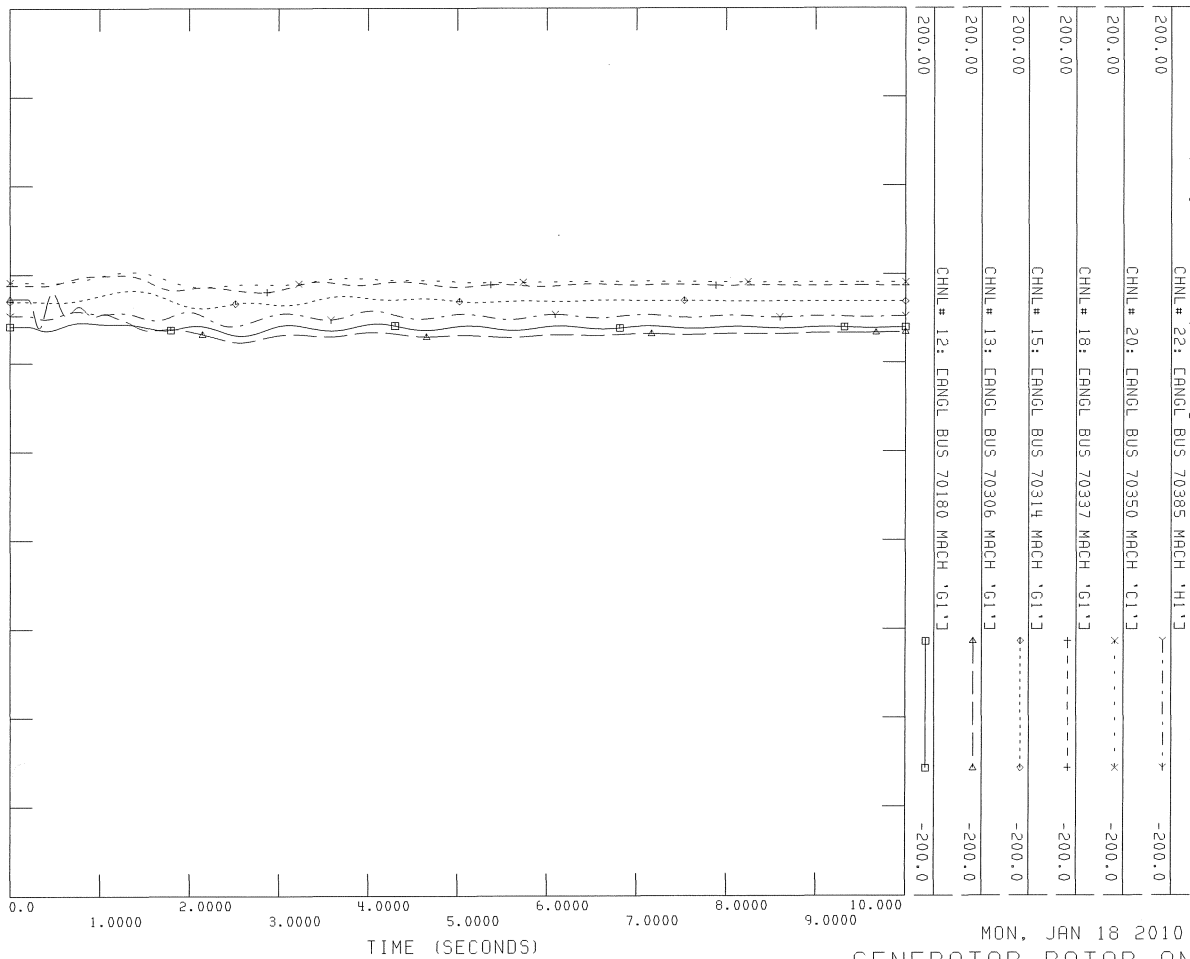
15HS_Z2A2 TRIAE-625SLV-1000CAL
15HS_PAPA_SB100 STUDY CASE
ALT TRI SCON 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-625slv-1000cal_scon1.out



15HS_Z2A2 TRIAE-625SLV-1000CAL
15HS_PAPA_SB100 STUDY CASE
ALT TRI SCON 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-625slv-1000cal_scon1.out

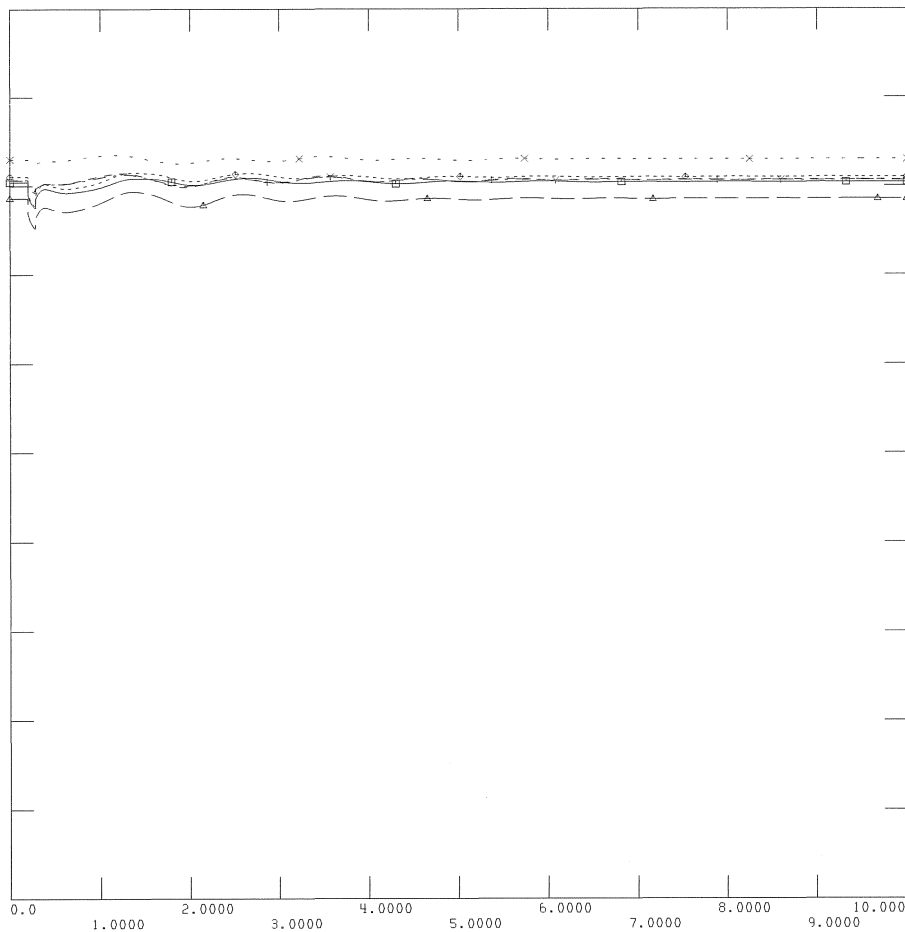




15HS_Z2A2 TRIAE-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\Plotting\alttriae-625slv-1000cal_Scon1.0UT

1.2000	CHNL# 653: EVOLT 73193 ESTORI	345.00JJ	0.20000
1.2000	CHNL# 644: EVOLT 73108 CLAR.RIVR	345.00JJ	0.20000
1.2000	CHNL# 633: EVOLT 73012 CRULT	345.00JJ	0.20000
1.2000	CHNL# 624: EVOLT 70654 CCOMANCHE	345.00JJ	0.20000
1.2000	CHNL# 620: EVOLT 70601 CDANIELPK	345.00JJ	0.20000
1.2000	CHNL# 678: EVOLT 73995 CCRALUMET	345.00JJ	0.20000



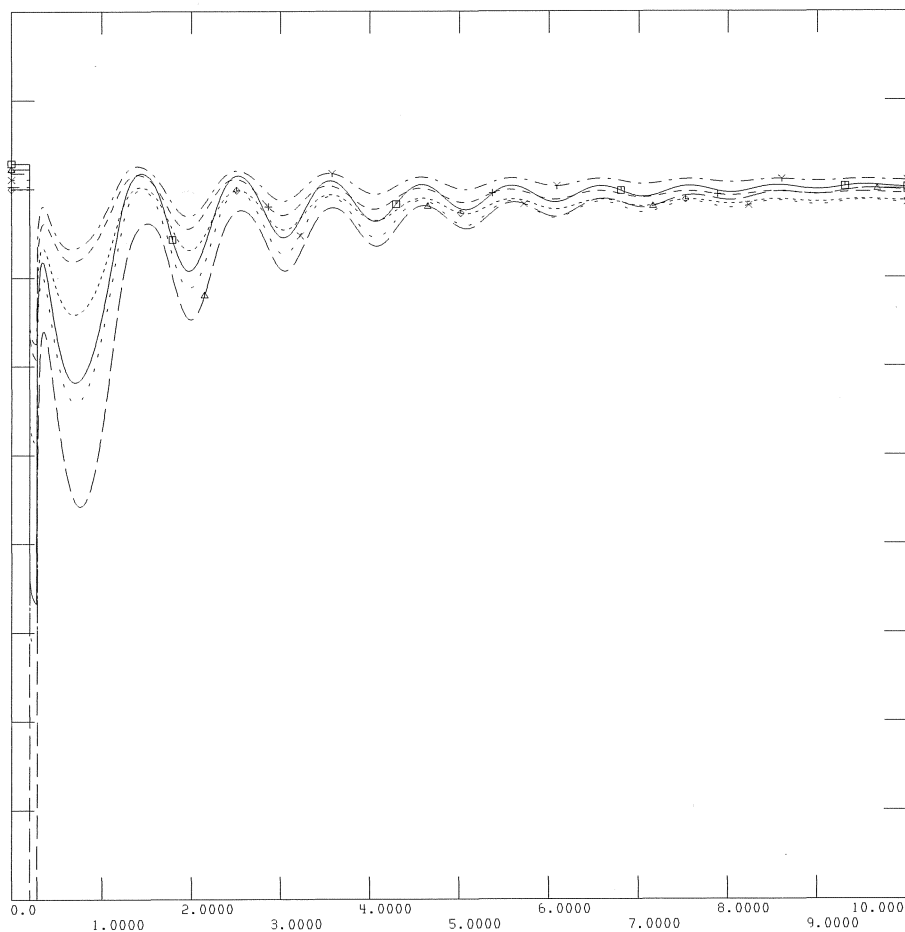
MON, JAN 18 2010 12:29
VOLTAGES - 345 KV



15HS_Z2A2 TRIAE-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\Plotting\alttriae-625slv-1000cal_Scon1.0UT

1.2000	CHNL# 559: EVOLT 70274 CMLTR	230.00JJ	0.20000
1.2000	CHNL# 672: EVOLT 79054 CPONCHBR	230.00JJ	0.20000
1.2000	CHNL# 670: EVOLT 79021 CCURECHNT	230.00JJ	0.20000
1.2000	CHNL# 665: EVOLT 73551 CMCANON	230.00JJ	0.20000
1.2000	CHNL# 579: EVOLT 70375 CCRANLSLV	230.00JJ	0.20000
1.2000	CHNL# 572: EVOLT 70327 CPONCHR	115.00JJ	0.20000



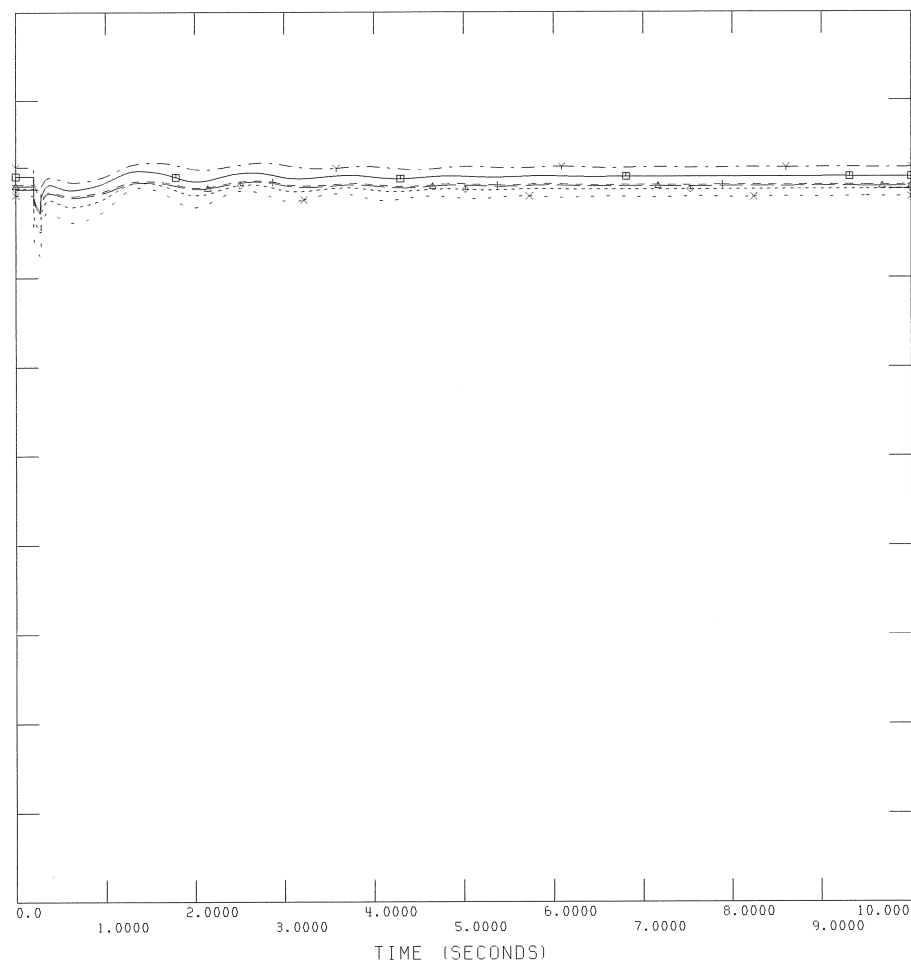
MON, JAN 18 2010 12:29
VOLTAGES - 230 KV



15HS-Z2A2 TRIAE-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-625slv-1000cal_Scon1.0UT

1.2000	CHNL# 617: EVOLT 70560 ELAMAR DC	230.0000	0.20000
1.2000	CHNL# 563: CVOLT 70286 EMIDMAYFS	230.0000	0.20000
1.2000	CHNL# 679: CVOLT 73996 ECRUMET	230.0000	0.20000
1.2000	CHNL# 524: CVOLT 70061 EBOONE	230.0000	0.20000
1.2000	CHNL# 592: CVOLT 70459 EMHLEMBG	230.0000	0.20000
1.2000	CHNL# 534: CVOLT 70122 ECOMANCHE	230.0000	0.20000



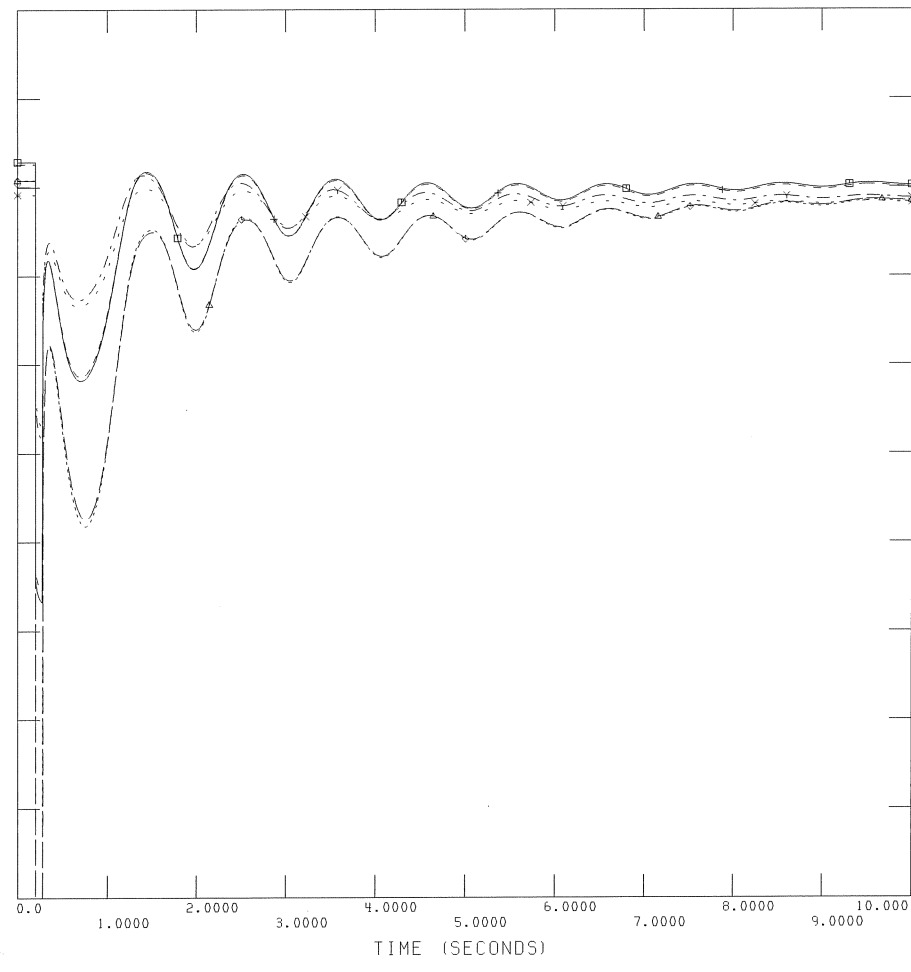
MON, JAN 18 2010 12:29
VOLTAGES - 230 KV



15HS-Z2A2 TRIAE-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-625slv-1000cal_Scon1.0UT

1.2000	CHNL# 615: CVOLT 70550 EM CANON	115.0000	0.20000
1.2000	CHNL# 582: CVOLT 70394 ESMELTER	115.0000	0.20000
1.2000	CHNL# 580: CVOLT 70379 ESRAGENT	115.0000	0.20000
1.2000	CHNL# 578: CVOLT 70374 ESRNSLVY	115.0000	0.20000
1.2000	CHNL# 572: CVOLT 70327 EPNCHR	115.0000	0.20000

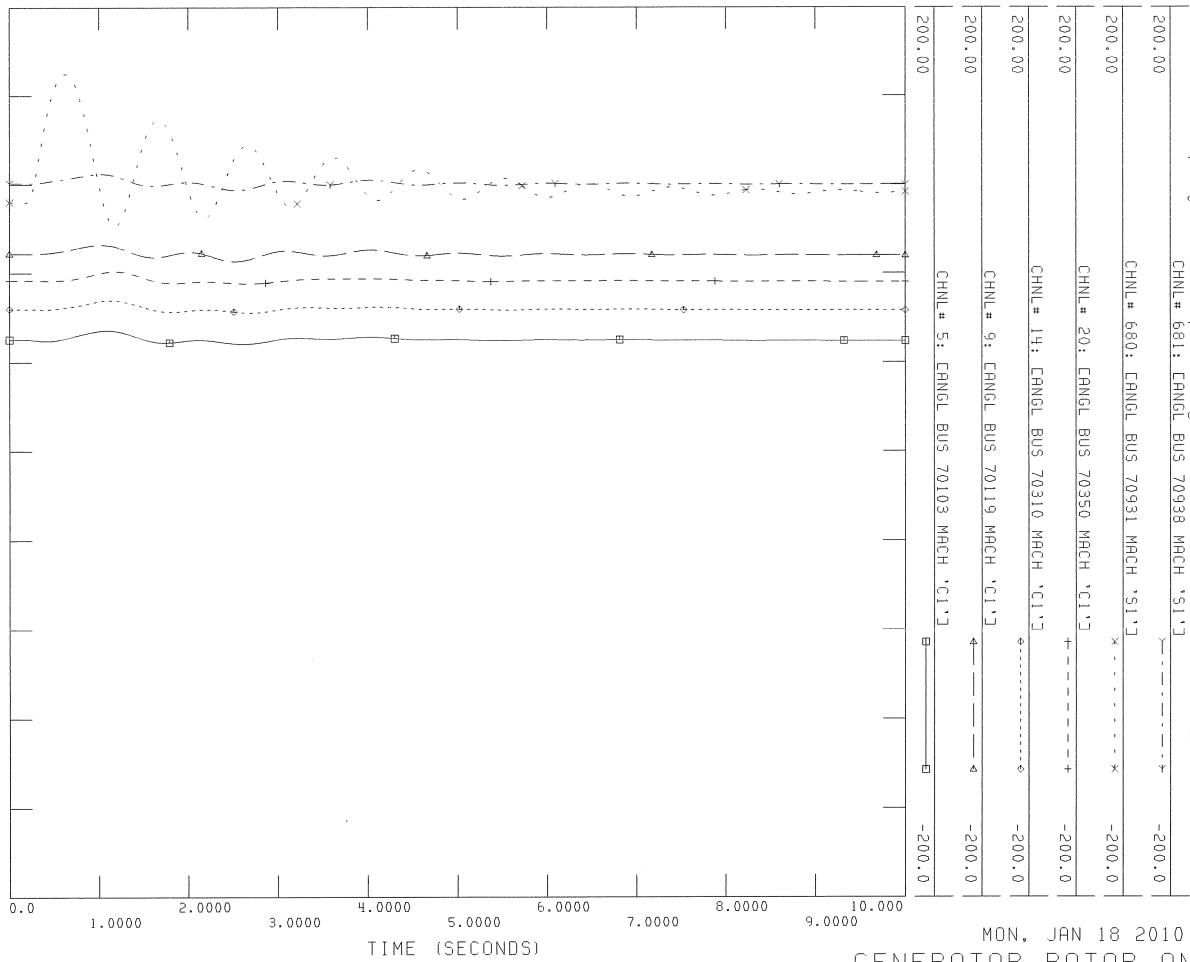


MON, JAN 18 2010 12:29
VOLTAGES - 115



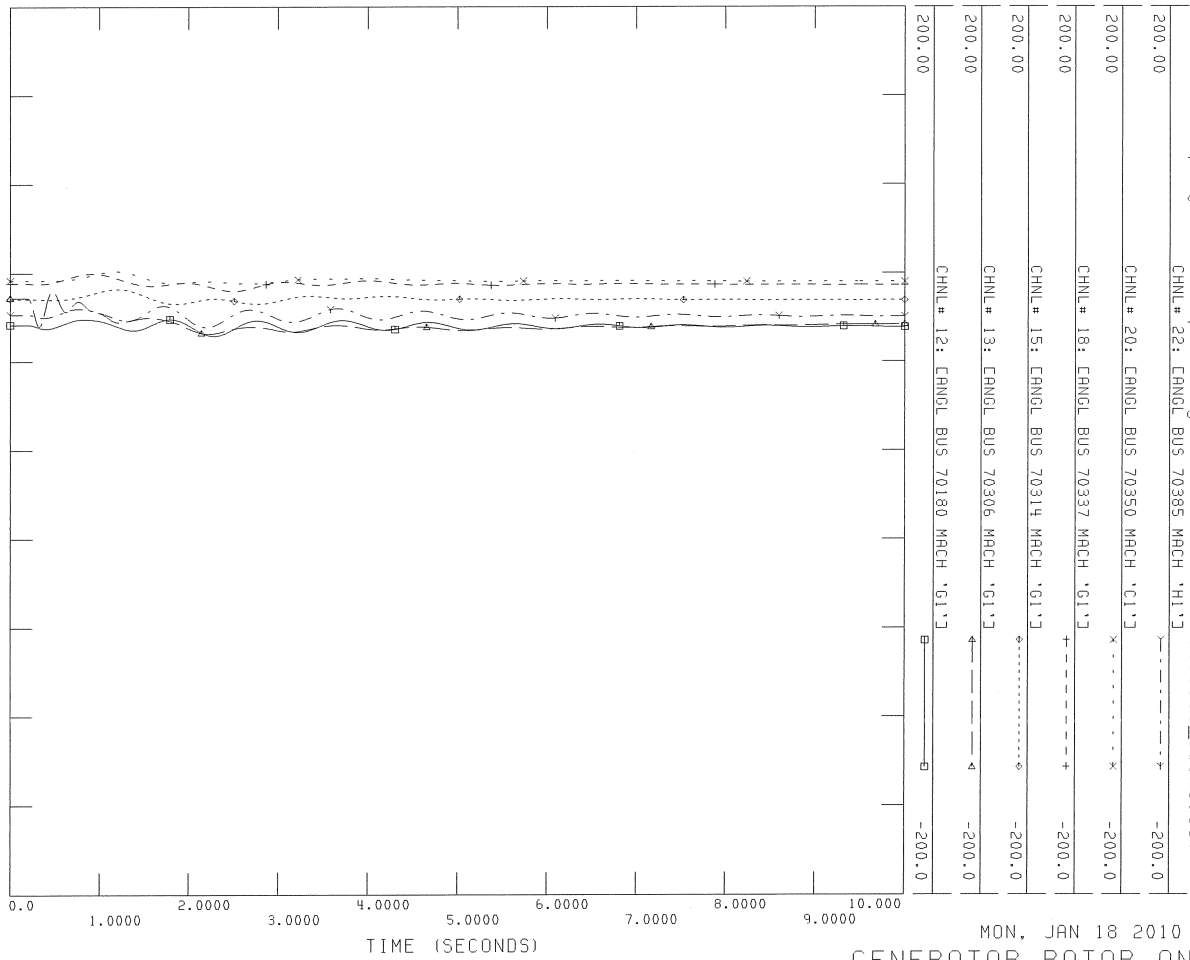
15HS_Z2A2 TRIAE-600SLV-1000CAL
15HS_PPRA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-600slv-1000cal_Scon1.0UT



15HS_Z2A2 TRIAE-600SLV-1000CAL
15HS_PPRA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-600slv-1000cal_Scon1.0UT

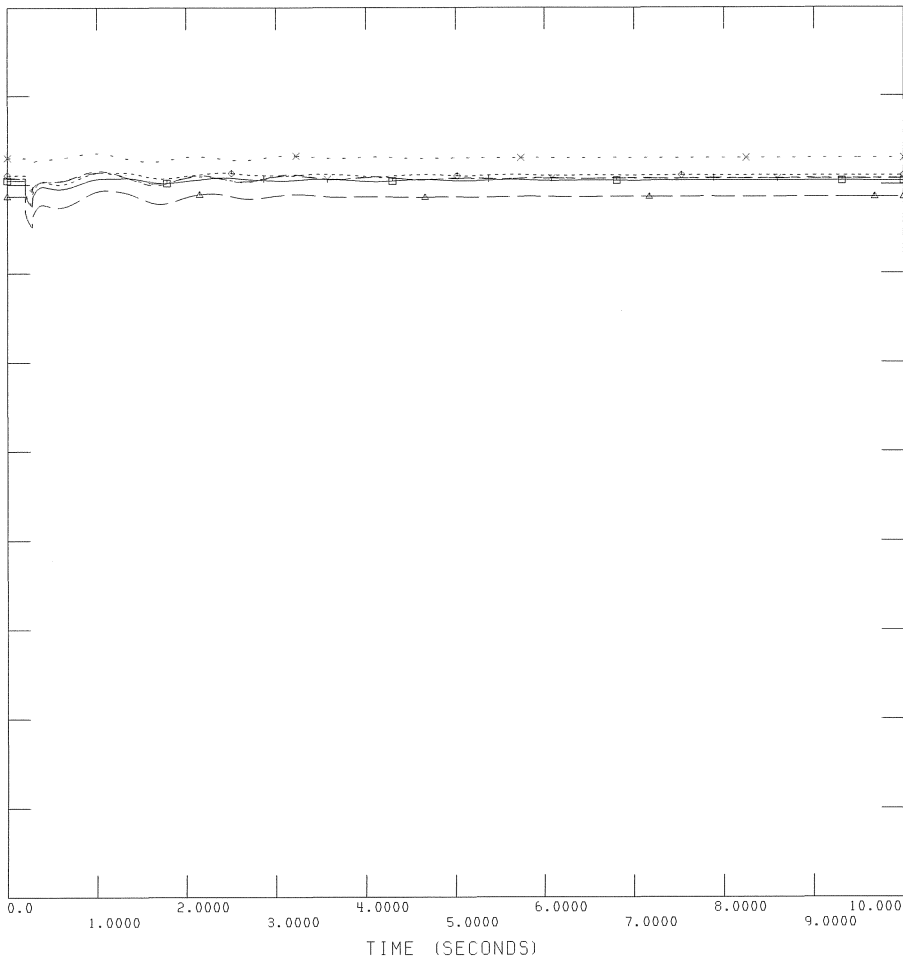




15HS_Z2A2_TRIAE-600SLV-1000CAL
15HS_PPRA_SB100_STUDY_CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-600slv-1000cal_scon1.out

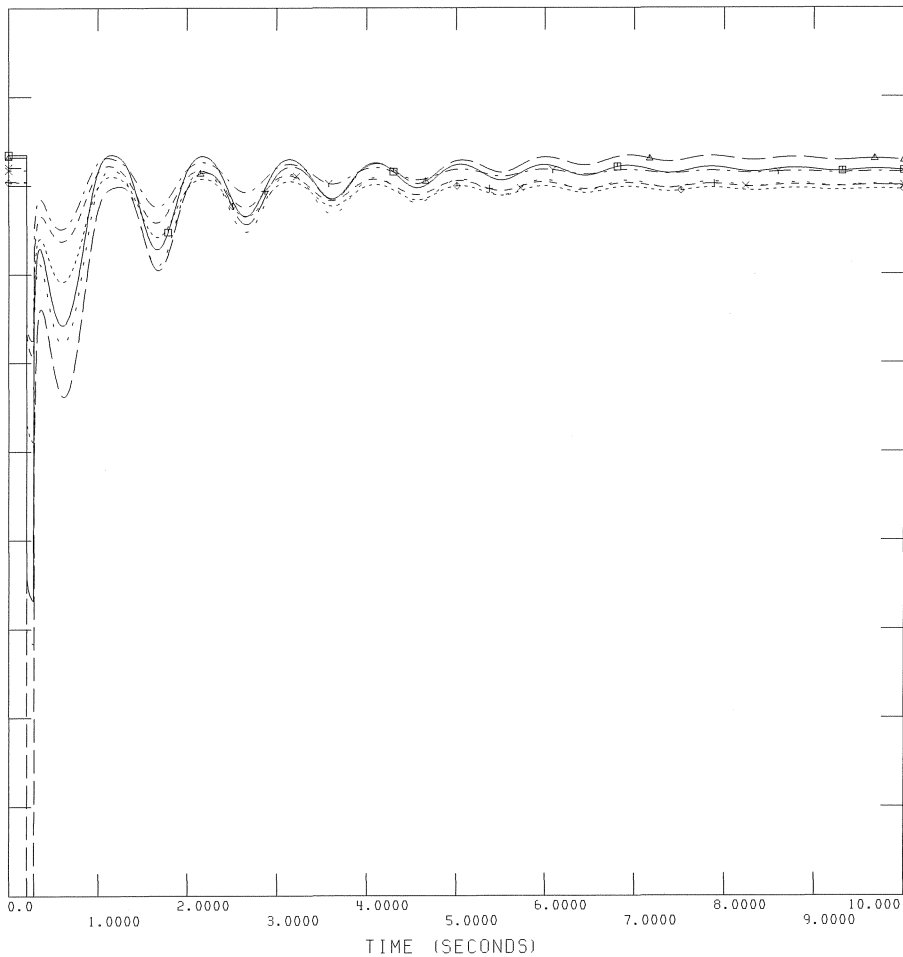
1.2000	CHNL # 653: EVOLT 73193 ESTORY	345.0033	0.20000
1.2000	CHNL # 644: EVOLT 73108 CLRR.RIVR	345.0033	0.20000
1.2000	CHNL # 633: EVOLT 73012 CRULT	345.0033	0.20000
1.2000	CHNL # 624: EVOLT 70654 ECONANCHE	345.0033	0.20000
1.2000	CHNL # 620: EVOLT 70601 EDONIEPK	345.0033	0.20000
1.2000	CHNL # 678: EVOLT 73995 ECRLUMET	345.0033	0.20000

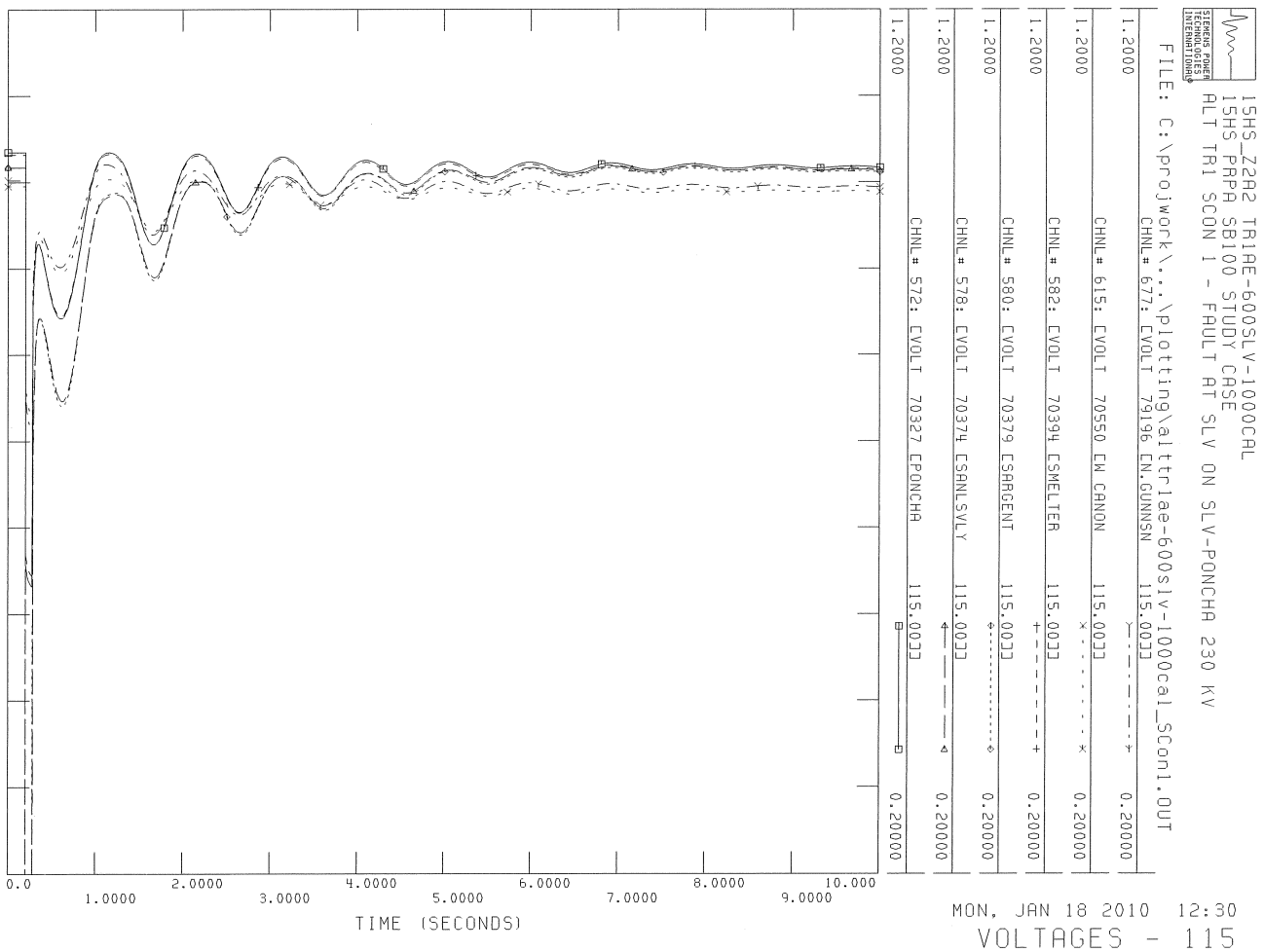
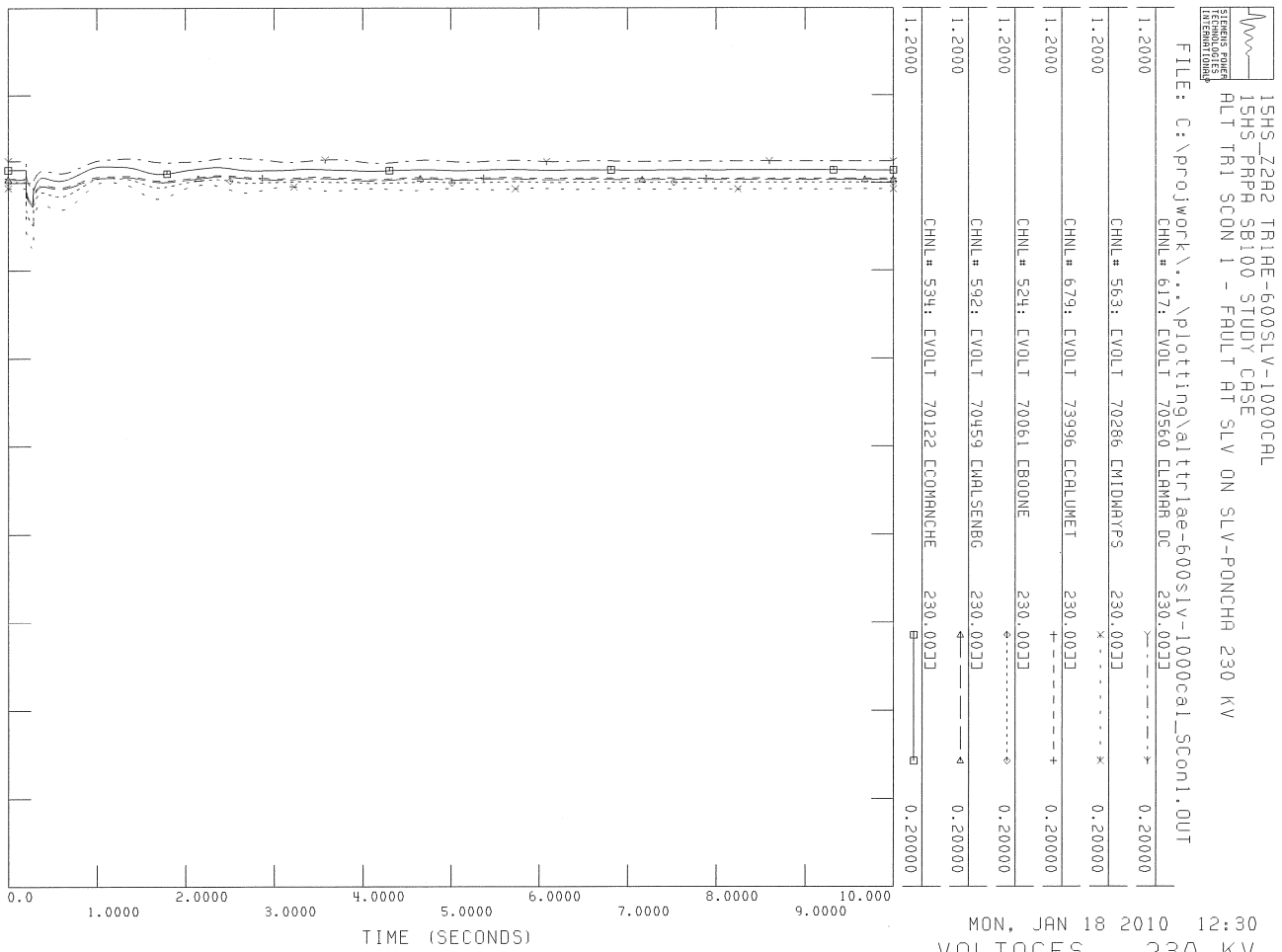


15HS_Z2A2_TRIAE-600SLV-1000CAL
15HS_PPRA_SB100_STUDY_CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-600slv-1000cal_scon1.out

1.2000	CHNL # 559: EVOLT 70274 EMALTR	230.0033	0.20000
1.2000	CHNL # 672: EVOLT 79054 EPONCHBR	230.0033	0.20000
1.2000	CHNL # 670: EVOLT 79021 ECURECHNT	230.0033	0.20000
1.2000	CHNL # 665: EVOLT 79551 EM CANON	230.0033	0.20000
1.2000	CHNL # 579: EVOLT 70375 ESRNLSVLY	230.0033	0.20000
1.2000	CHNL # 572: EVOLT 70327 EPONCHR	115.0033	0.20000

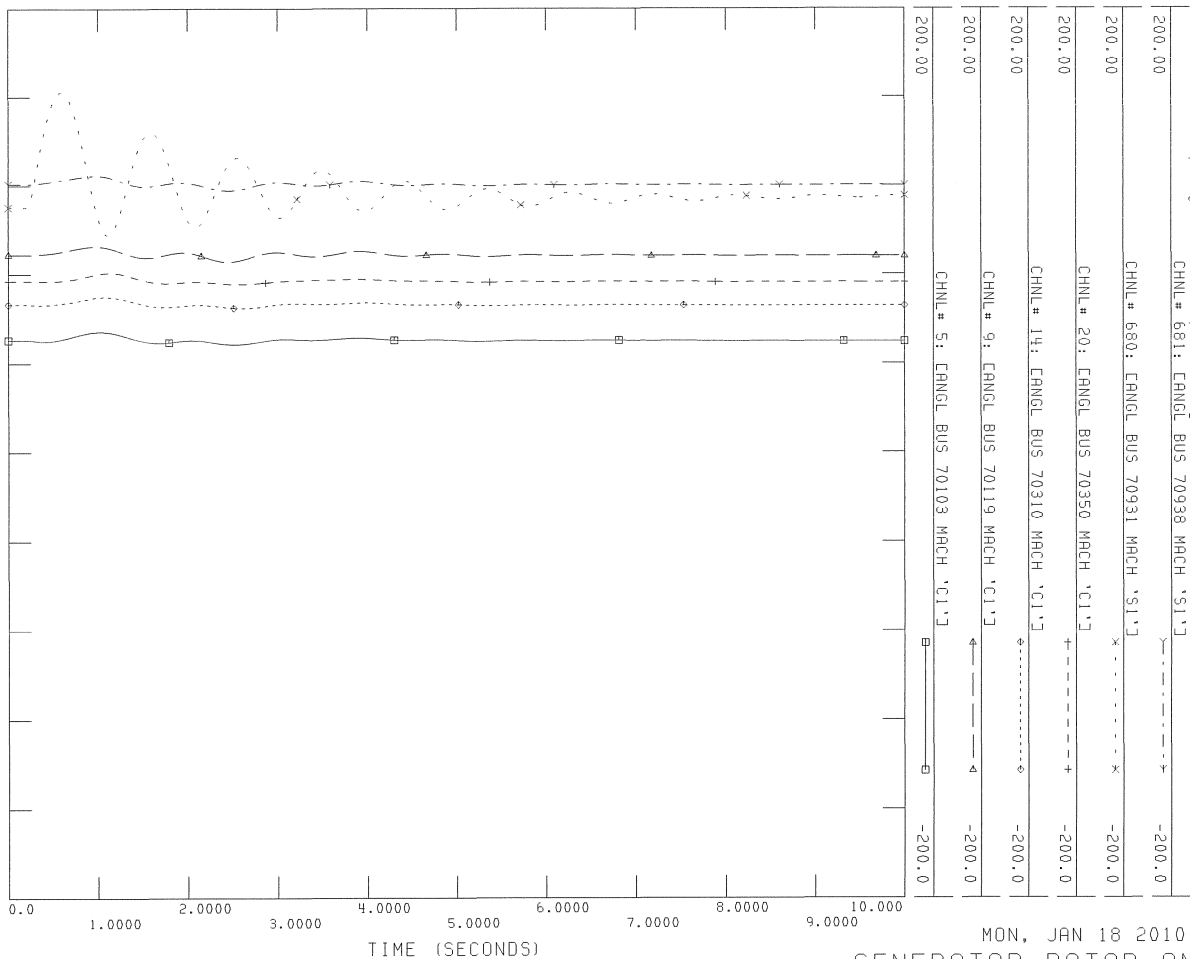






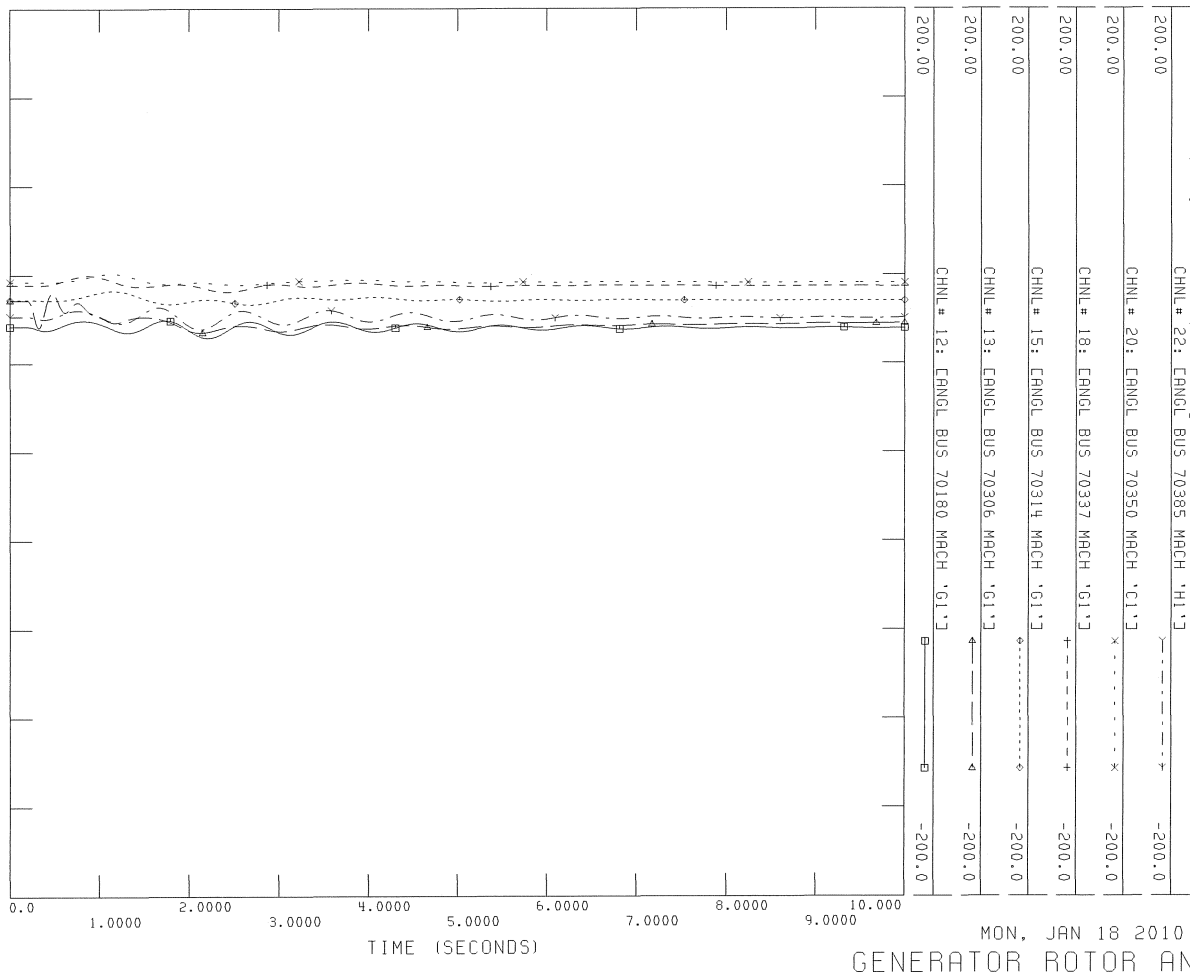
15HS_Z2A2 TRIAE-575SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FRULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-575slv-1000cal_scon1.out



15HS_Z2A2 TRIAE-575SLV-1000CAL
15HS PRPA SB100 STUDY CASE
ALT TRI SC0N 1 - FRULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-575slv-1000cal_scon1.out

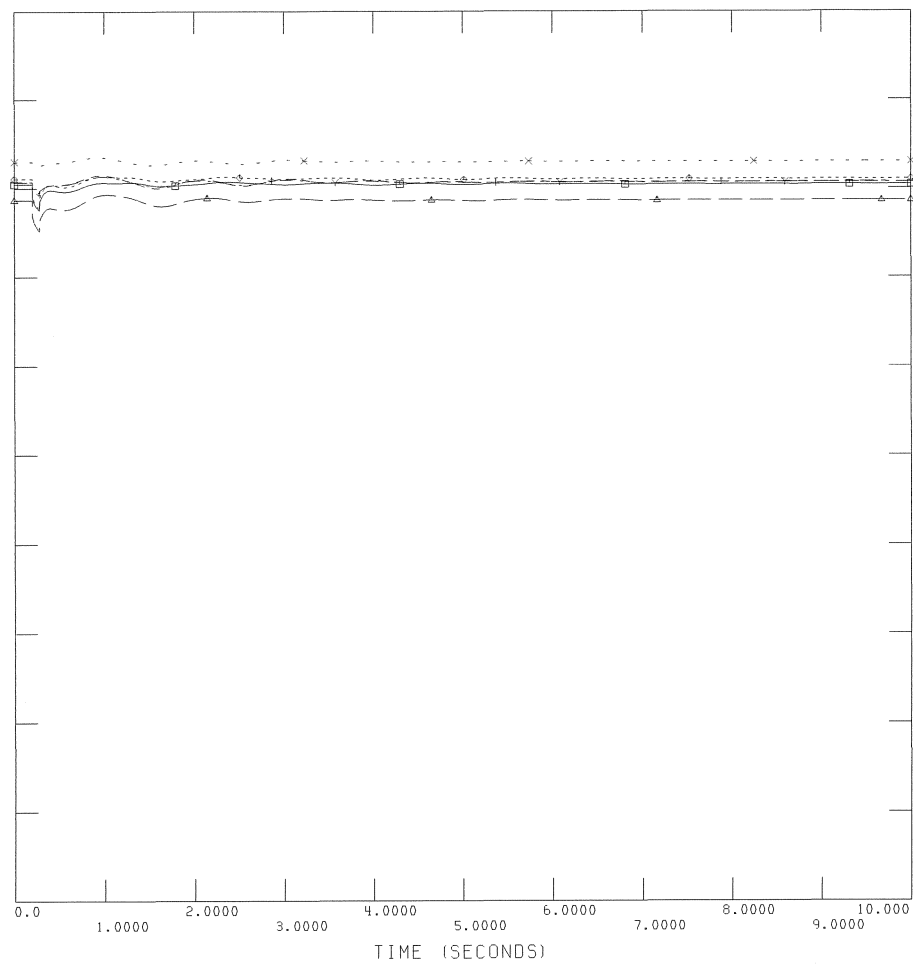




15HS_Z2A2 TRIAE-575SLV-1000CAL
15HS_PPRA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-575slv-1000cal_scon1.out

1.2000	CHNL# 653: CVOLT 73193 ESTOR	345.0033	0.20000
1.2000	CHNL# 644: CVOLT 73108 ELRH.RIVR	345.0033	0.20000
1.2000	CHNL# 633: CVOLT 73012 ERLT	345.0033	0.20000
1.2000	CHNL# 624: CVOLT 70654 ECOMANCHE	345.0033	0.20000
1.2000	CHNL# 620: CVOLT 70601 ECOMANCHE	345.0033	0.20000
1.2000	CHNL# 678: CVOLT 73995 ECRUMET	345.0033	0.20000



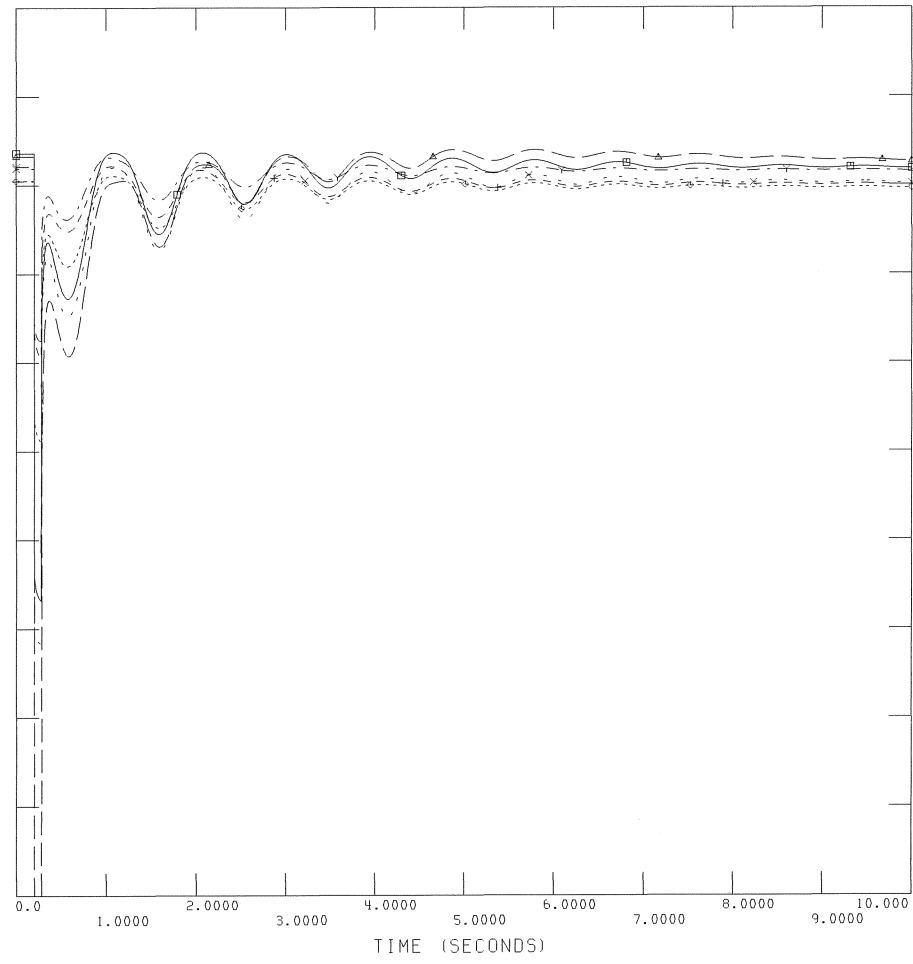
MON, JAN 18 2010 12:30
VOLTAGES - 345 KV



15HS_Z2A2 TRIAE-575SLV-1000CAL
15HS_PPRA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCHR 230 KV

FILE: C:\projwork\...\plotting\alttriae-575slv-1000cal_scon1.out

1.2000	CHNL# 559: CVOLT 70274 EMLTA	230.0033	0.20000
1.2000	CHNL# 672: CVOLT 79054 EPONCHRR	230.0033	0.20000
1.2000	CHNL# 670: CVOLT 79021 ECURECHNT	230.0033	0.20000
1.2000	CHNL# 665: CVOLT 73551 ECRANON	230.0033	0.20000
1.2000	CHNL# 579: CVOLT 70375 ESNLSLY	230.0033	0.20000
1.2000	CHNL# 572: CVOLT 70327 EPONCHR	115.0033	0.20000



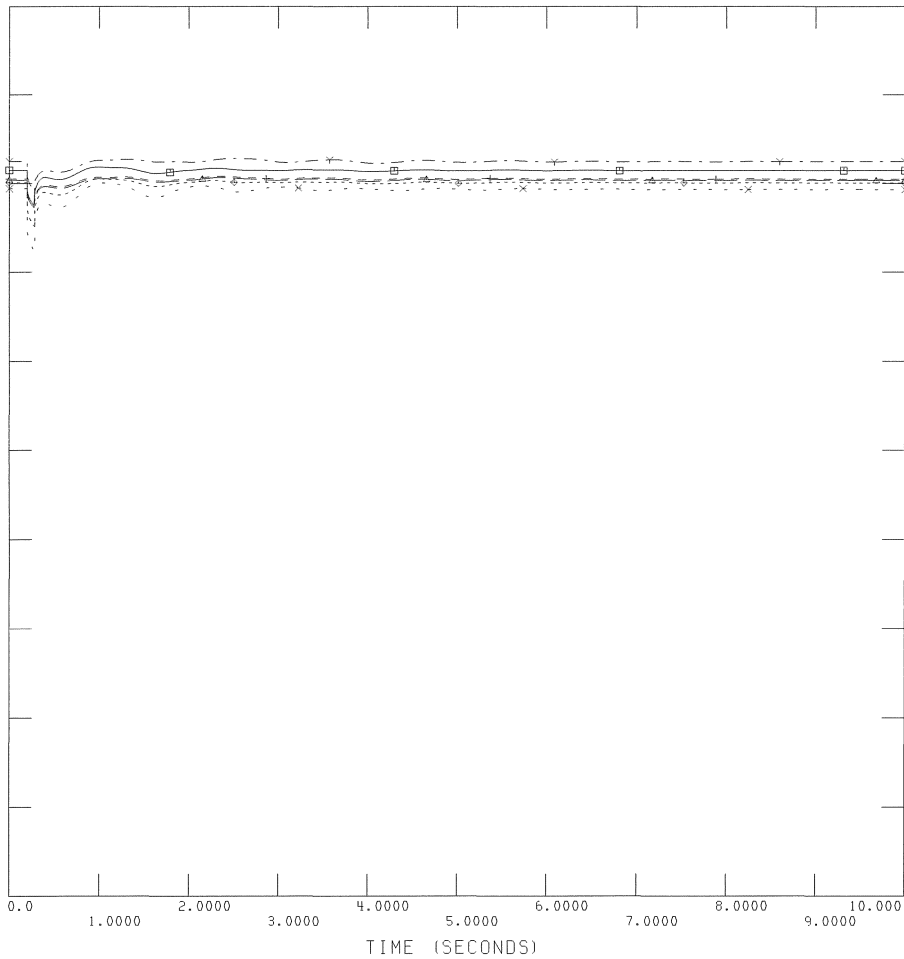
MON, JAN 18 2010 12:30
VOLTAGES - 230 KV



15HS_Z2A2 TRIAE-575SLV-1000CAL
15HS_PAPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-575slv-1000cal_scon1.out

1.2000	CHNL # 617: EVOLT 70560 ELAMAR DC	230.0033	0.20000
1.2000	CHNL # 563: EVOLT 70286 EMIDWAYPS	230.0033	0.20000
1.2000	CHNL # 679: EVOLT 73996 ECRLUMET	230.0033	0.20000
1.2000	CHNL # 524: EVOLT 70061 EB00NE	230.0033	0.20000
1.2000	CHNL # 592: EVOLT 70459 EMULSENBG	230.0033	0.20000
1.2000	CHNL # 534: EVOLT 70122 ECONRANCHE	230.0033	0.20000



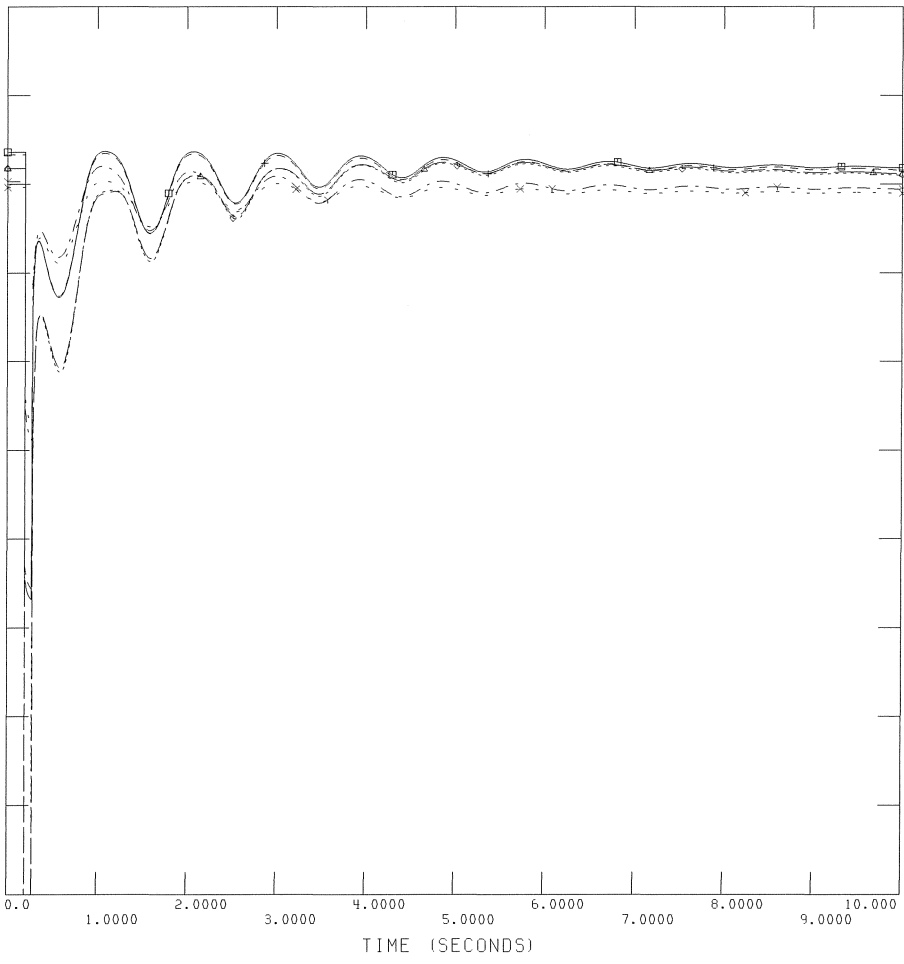
MON, JAN 18 2010 12:30
VOLTAGES - 230 KV



15HS_Z2A2 TRIAE-575SLV-1000CAL
15HS_PAPA SB100 STUDY CASE
ALT TRI SC0N 1 - FAULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\alttriae-575slv-1000cal_scon1.out

1.2000	CHNL # 615: EVOLT 70550 EM CANON	115.0033	0.20000
1.2000	CHNL # 582: EVOLT 70394 ESMELTER	115.0033	0.20000
1.2000	CHNL # 580: EVOLT 70379 ESARGENT	115.0033	0.20000
1.2000	CHNL # 578: EVOLT 70374 ESANL SVLY	115.0033	0.20000
1.2000	CHNL # 572: EVOLT 70327 EPONCH 115.0033	115.0033	0.20000



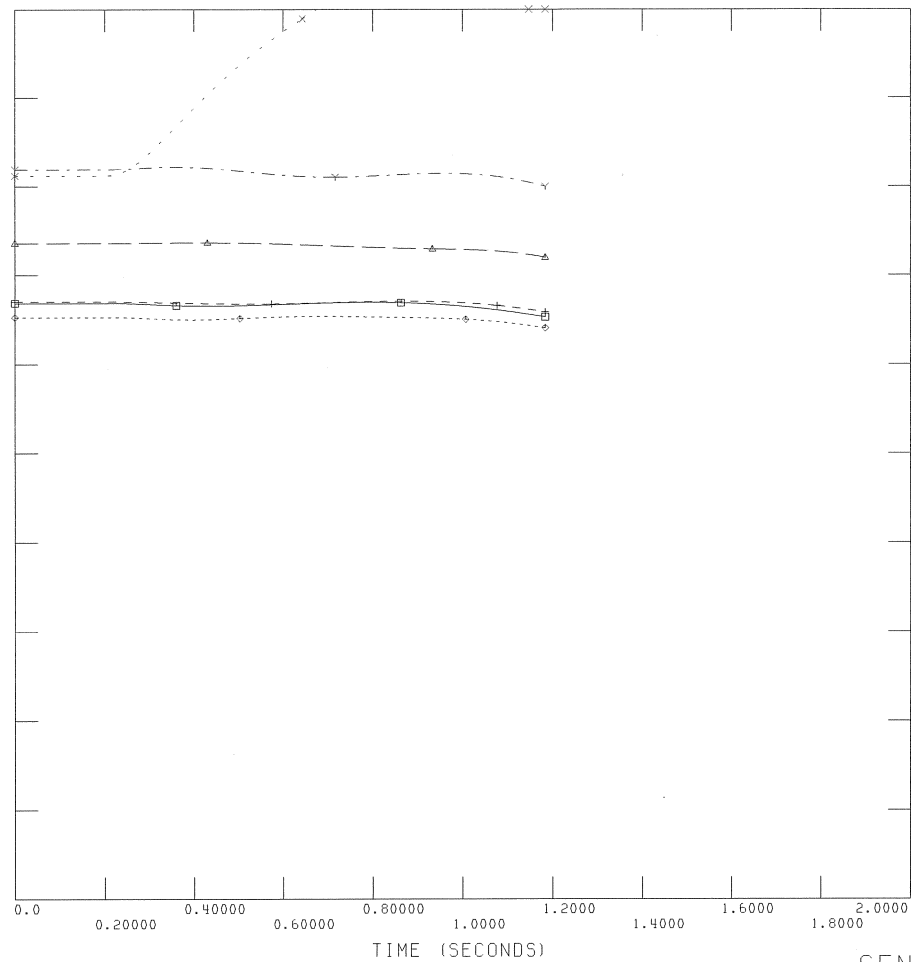
MON, JAN 18 2010 12:30
VOLTAGES - 115



15HS-Z2A2 ALTI-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOM BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-ll-625slv-1000cal_scombr11.0UT

200.00	CHNL# 680: CANGL BUS 70931 MACH 'S1'J	-200.0
200.00	CHNL# 20: CANGL BUS 70350 MACH 'C1'J	-200.0
200.00	CHNL# 14: CANGL BUS 70310 MACH 'C1'J	-200.0
200.00	CHNL# 9: CANGL BUS 70119 MACH 'C1'J	-200.0
200.00	CHNL# 5: CANGL BUS 70103 MACH 'C1'J	-200.0



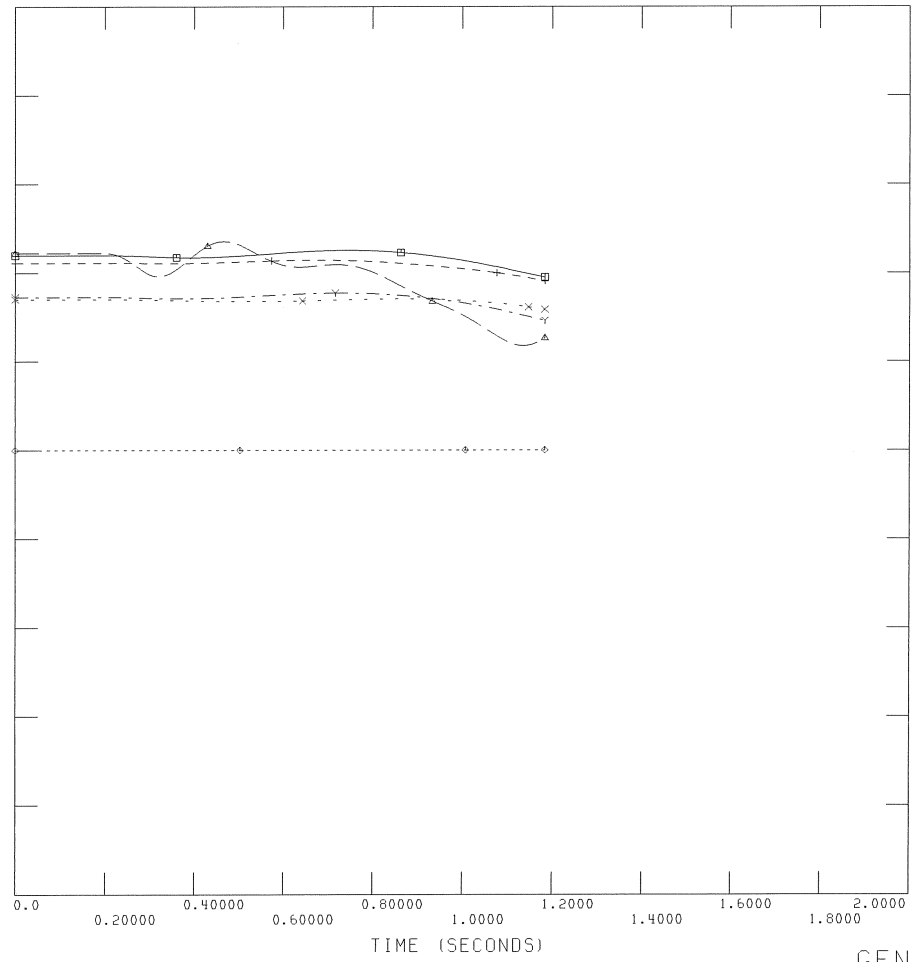
MON, JAN 18 2010 12:45
GENERATOR ROTOR ANGLES



15HS-Z2A2 ALTI-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOM BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-ll-625slv-1000cal_scombr11.0UT

200.00	CHNL# 20: CANGL BUS 70350 MACH 'C1'J	-200.0
200.00	CHNL# 18: CANGL BUS 70337 MACH 'C1'J	-200.0
200.00	CHNL# 15: CANGL BUS 70314 MACH 'C1'J	-200.0
200.00	CHNL# 13: CANGL BUS 70306 MACH 'C1'J	-200.0
200.00	CHNL# 12: CANGL BUS 70180 MACH 'C1'J	-200.0



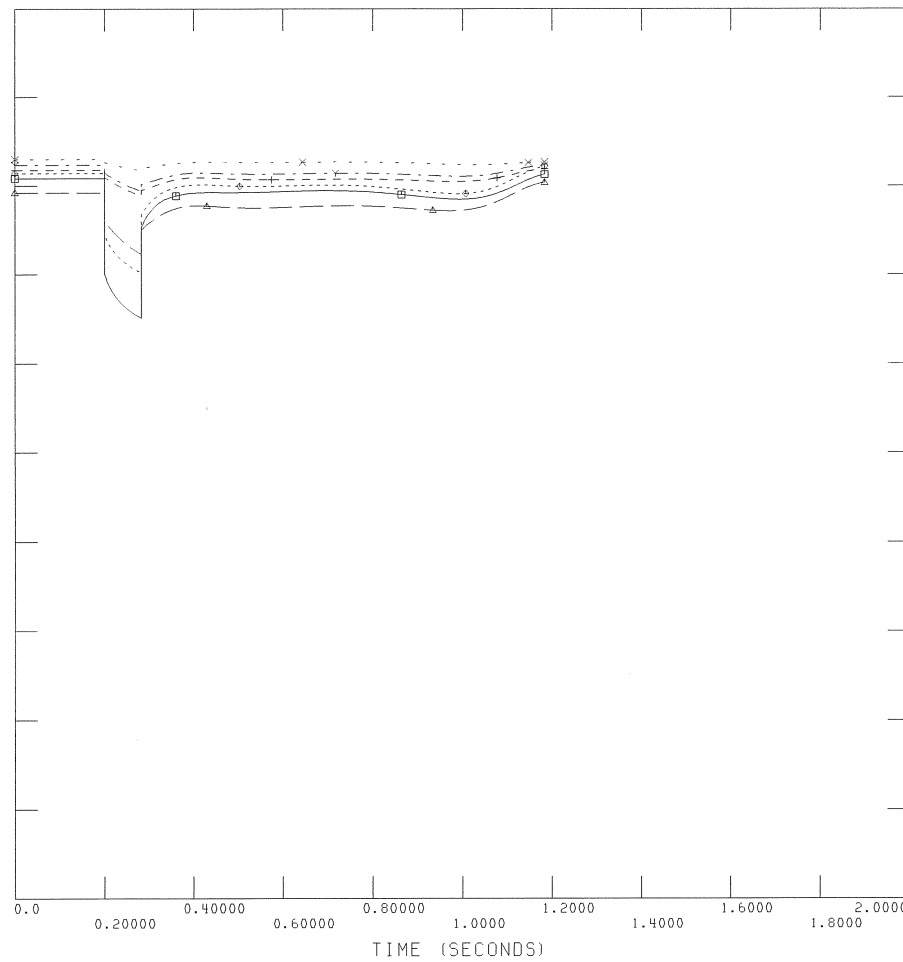
MON, JAN 18 2010 12:45
GENERATOR ROTOR ANGLES



15HS-Z2A2 ALTI-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SC0N BR11 - FLT AT SLV ON BOTH SLV-CLUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-LL-625slv-1000cal_SconBR11.0UT

1.2000	CHNL# 634: EVOLT 73108 CLAB.RIVR	345.0033	0.20000
1.2000	CHNL# 633: EVOLT 73012 CROUT	345.0033	0.20000
1.2000	CHNL# 624: EVOLT 70654 ECOMANCHE	345.0033	0.20000
1.2000	CHNL# 620: EVOLT 70601 ECOMIPLPK	345.0033	0.20000
1.2000	CHNL# 678: EVOLT 73995 ECLUMET	345.0033	0.20000



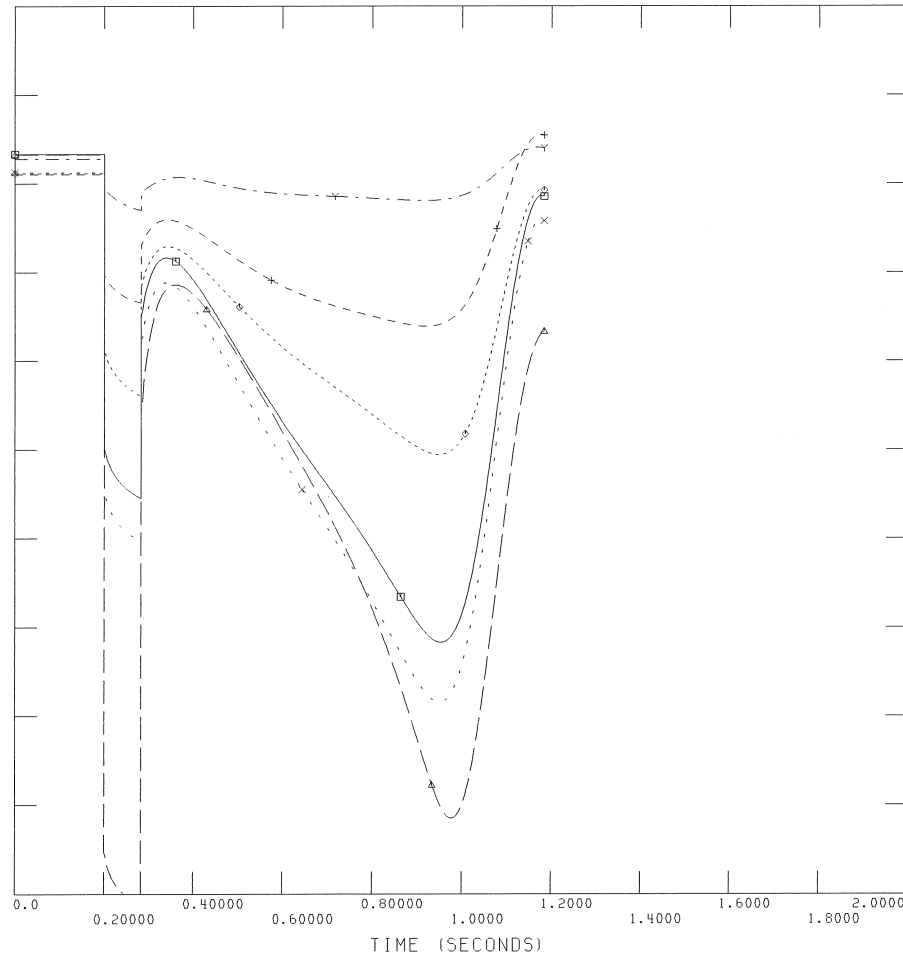
MON, JAN 18 2010 12:45
VOLTAGES - 345 KV



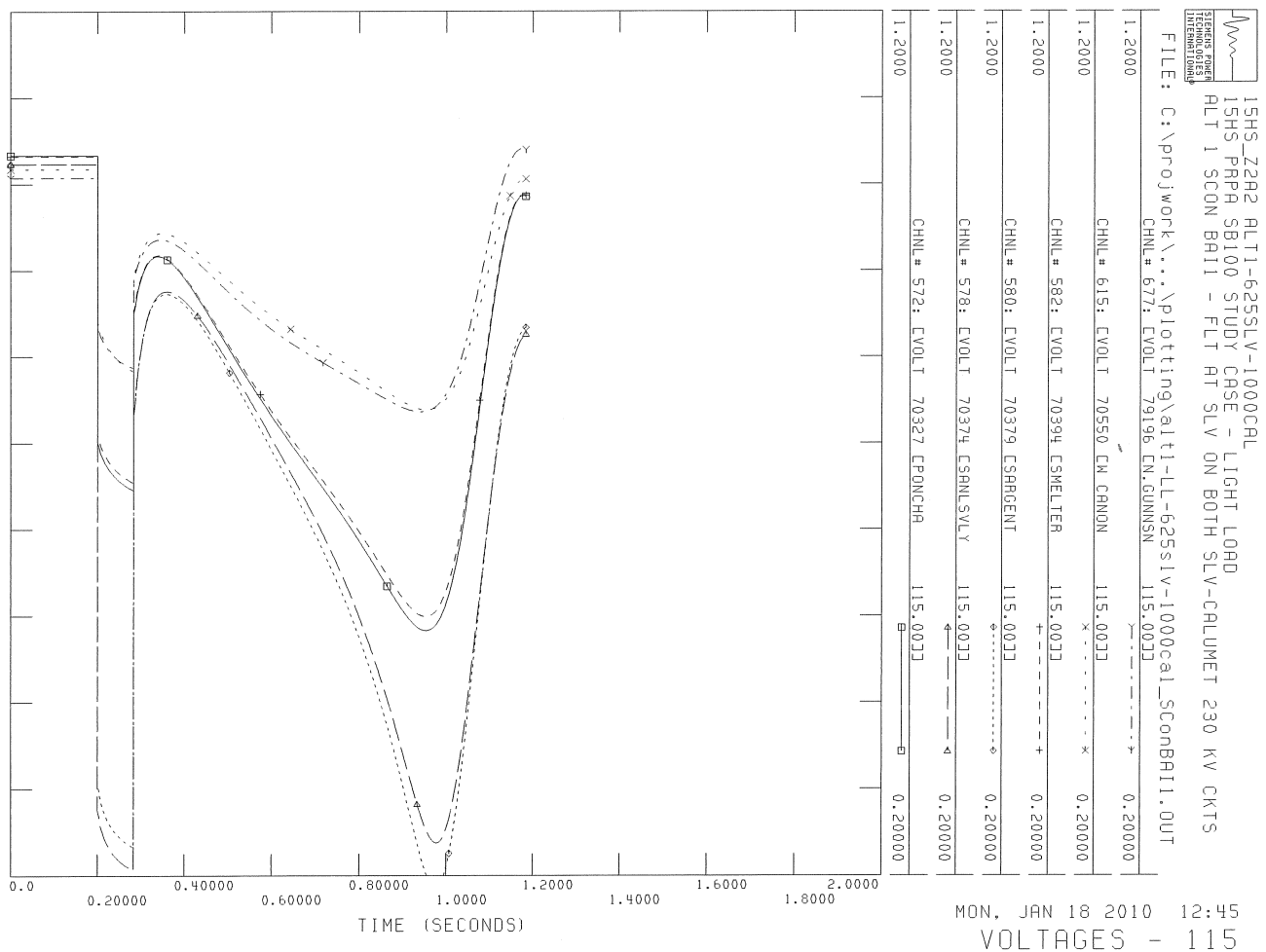
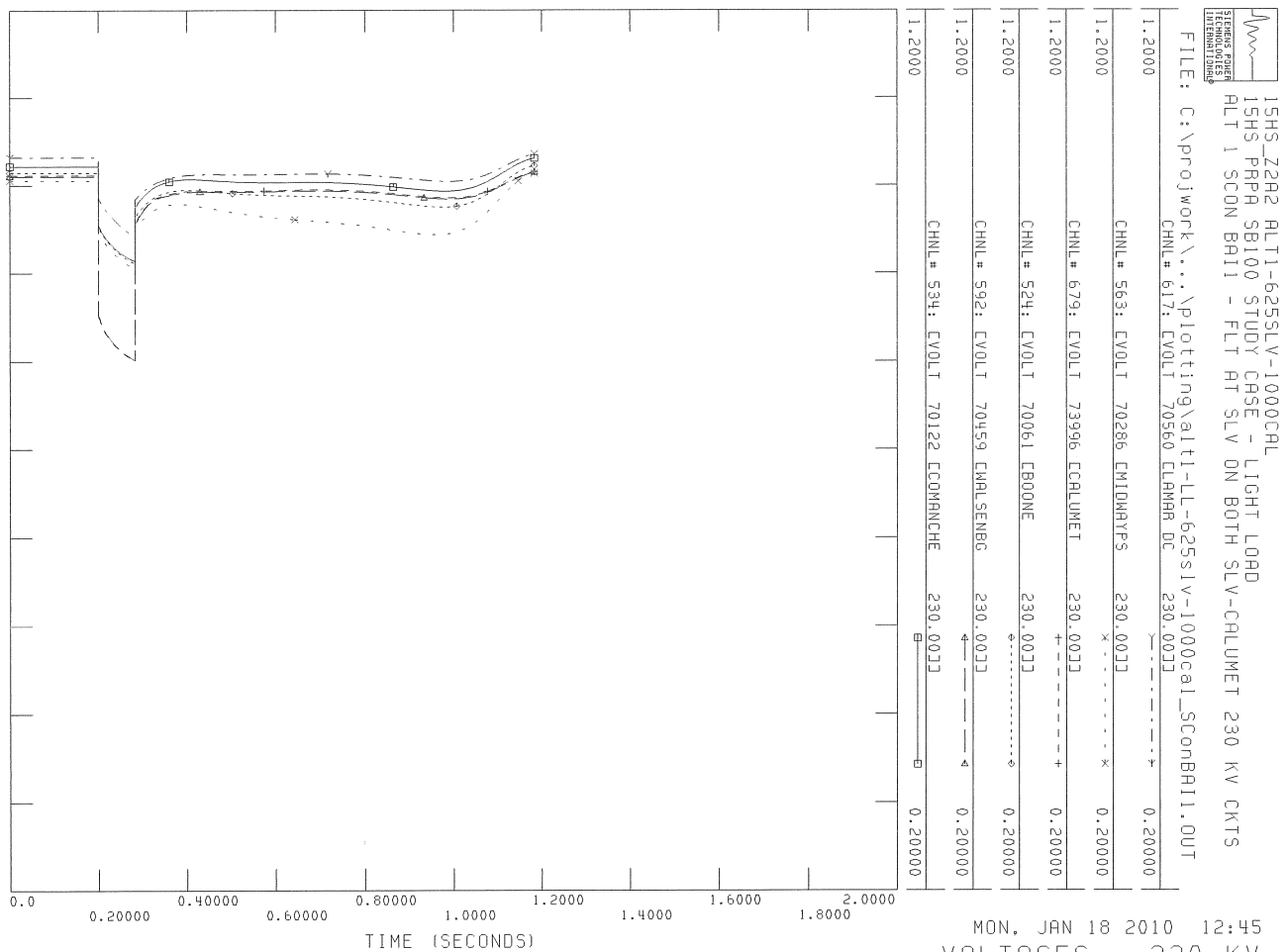
15HS-Z2A2 ALTI-625SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SC0N BR11 - FLT AT SLV ON BOTH SLV-CLUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-LL-625slv-1000cal_SconBR11.0UT

1.2000	CHNL# 672: EVOLT 79054 EPONCHBR	230.0033	0.20000
1.2000	CHNL# 670: EVOLT 79021 ECURECHNT	230.0033	0.20000
1.2000	CHNL# 665: EVOLT 79551 EM CRAND	230.0033	0.20000
1.2000	CHNL# 579: EVOLT 70375 ESNLSVLY	230.0033	0.20000
1.2000	CHNL# 572: EVOLT 70327 EPONCHR	115.0033	0.20000



MON, JAN 18 2010 12:45
VOLTAGES - 230 KV

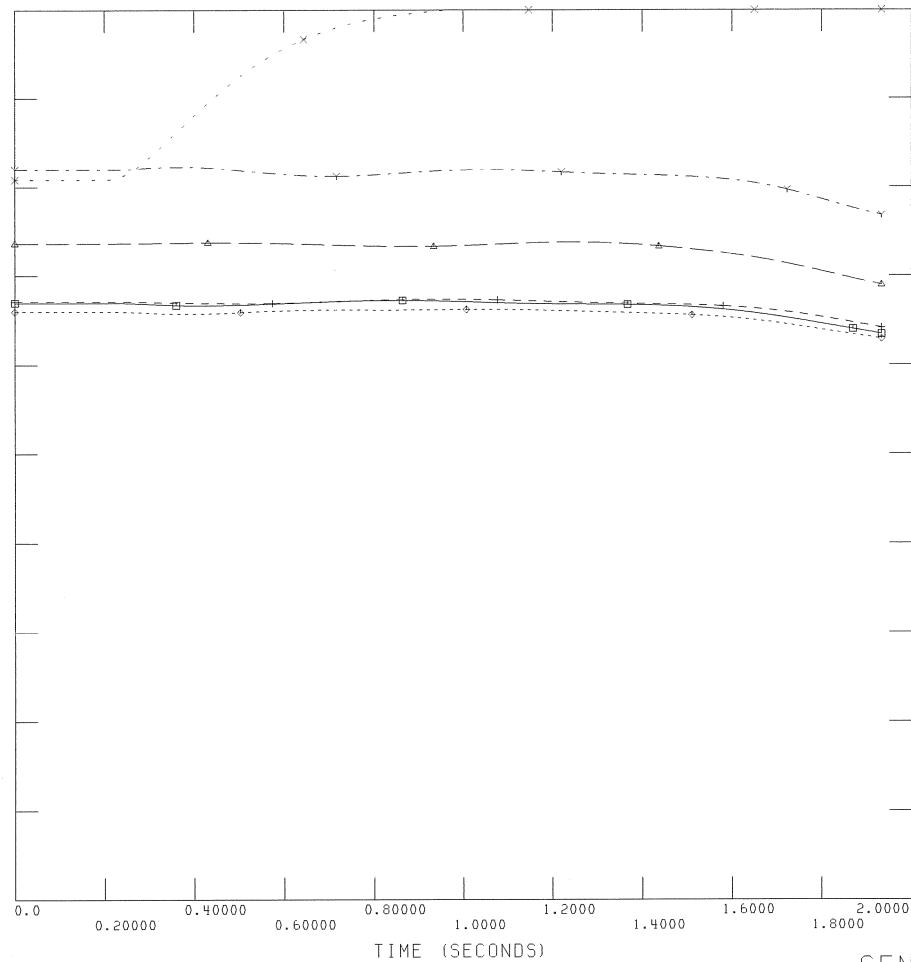




15HS-Z2A2 ALTI-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOM BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\Plotting\alt1-ll-600slv-1000cal_ScomBR11.0UT

200.00	CHNL# 680: CANCL BUS 70931 MACH 'S1'J	-200.0
200.00	CHNL# 20: CANCL BUS 70350 MACH 'C1'J	-200.0
200.00	CHNL# 14: CANCL BUS 70310 MACH 'C1'J	-200.0
200.00	CHNL# 9: CANCL BUS 70119 MACH 'C1'J	-200.0
200.00	CHNL# 5: CANCL BUS 70103 MACH 'C1'J	-200.0



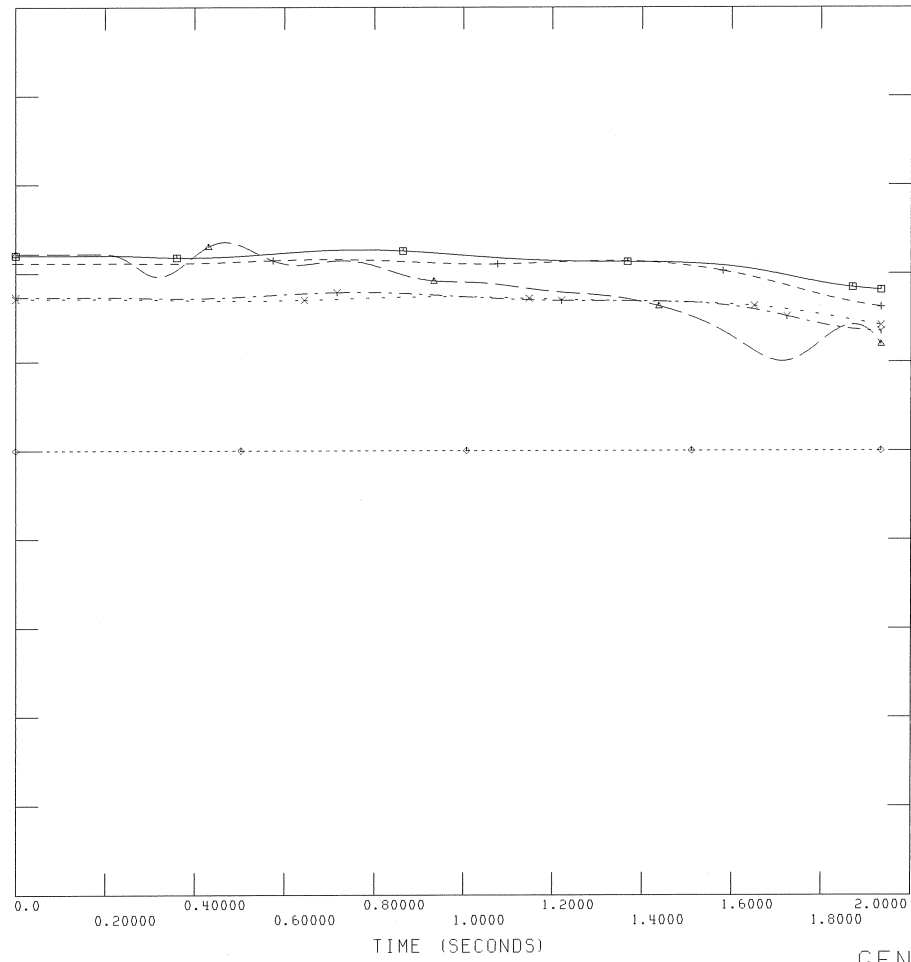
MON, JAN 18 2010 12:45
GENERATOR ROTOR ANGLES



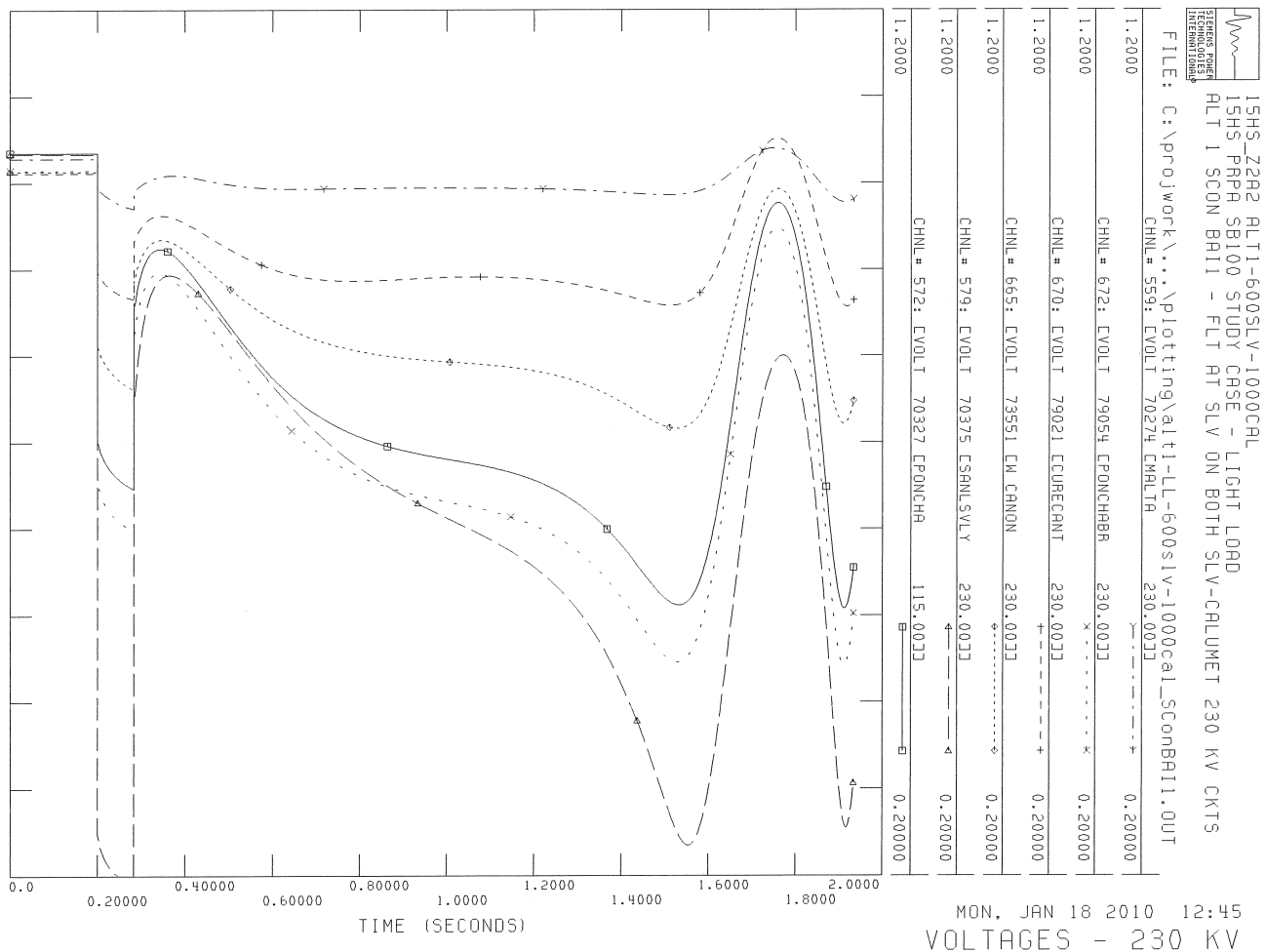
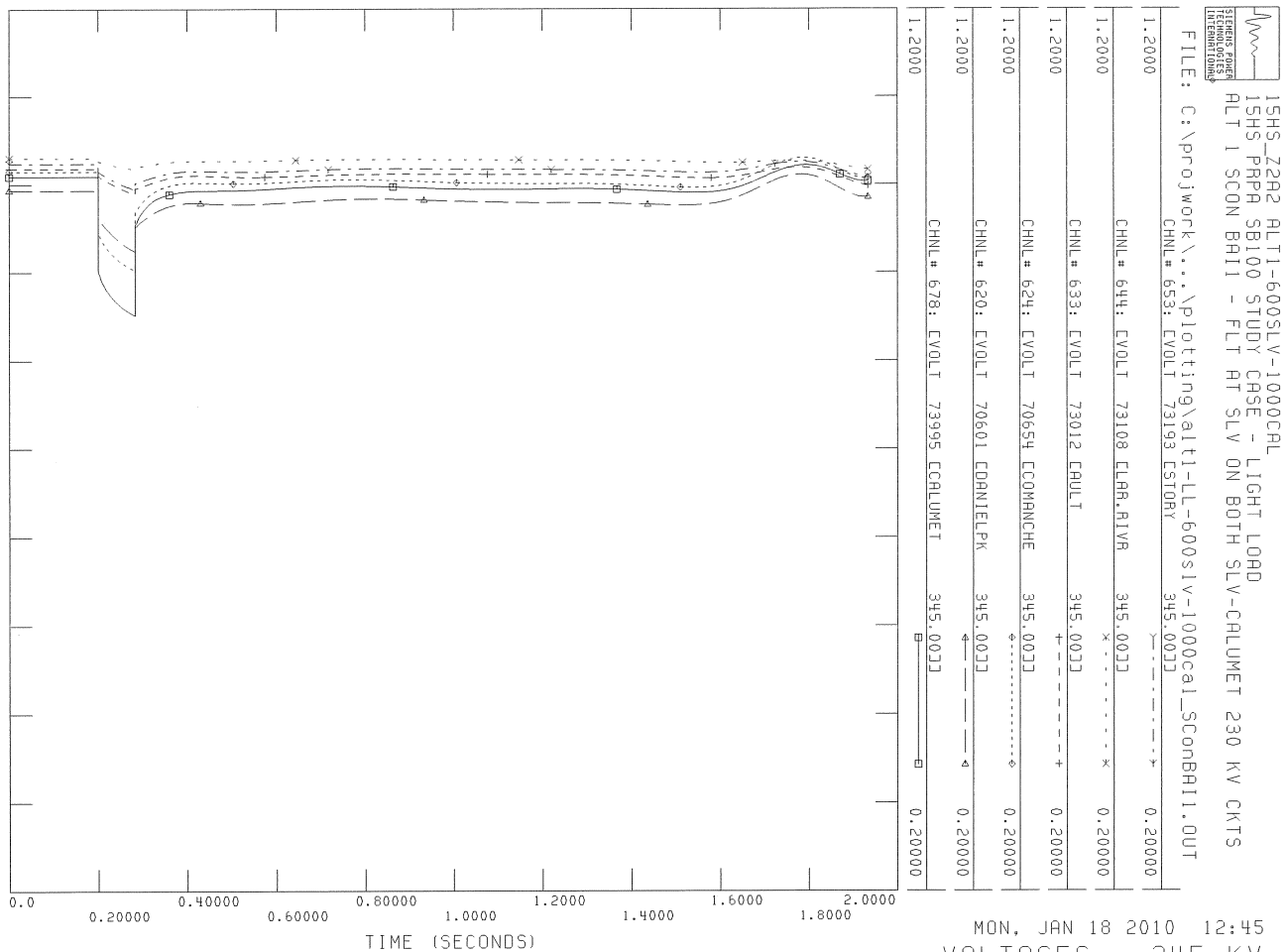
15HS-Z2A2 ALTI-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOM BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\Plotting\alt1-ll-600slv-1000cal_ScomBR11.0UT

200.00	CHNL# 22: CANCL BUS 70385 MACH 'H1'J	-200.0
200.00	CHNL# 20: CANCL BUS 70350 MACH 'C1'J	-200.0
200.00	CHNL# 18: CANCL BUS 70337 MACH 'C1'J	-200.0
200.00	CHNL# 15: CANCL BUS 70314 MACH 'C1'J	-200.0
200.00	CHNL# 13: CANCL BUS 70306 MACH 'C1'J	-200.0
200.00	CHNL# 12: CANCL BUS 70180 MACH 'C1'J	-200.0



MON, JAN 18 2010 12:45
GENERATOR ROTOR ANGLES

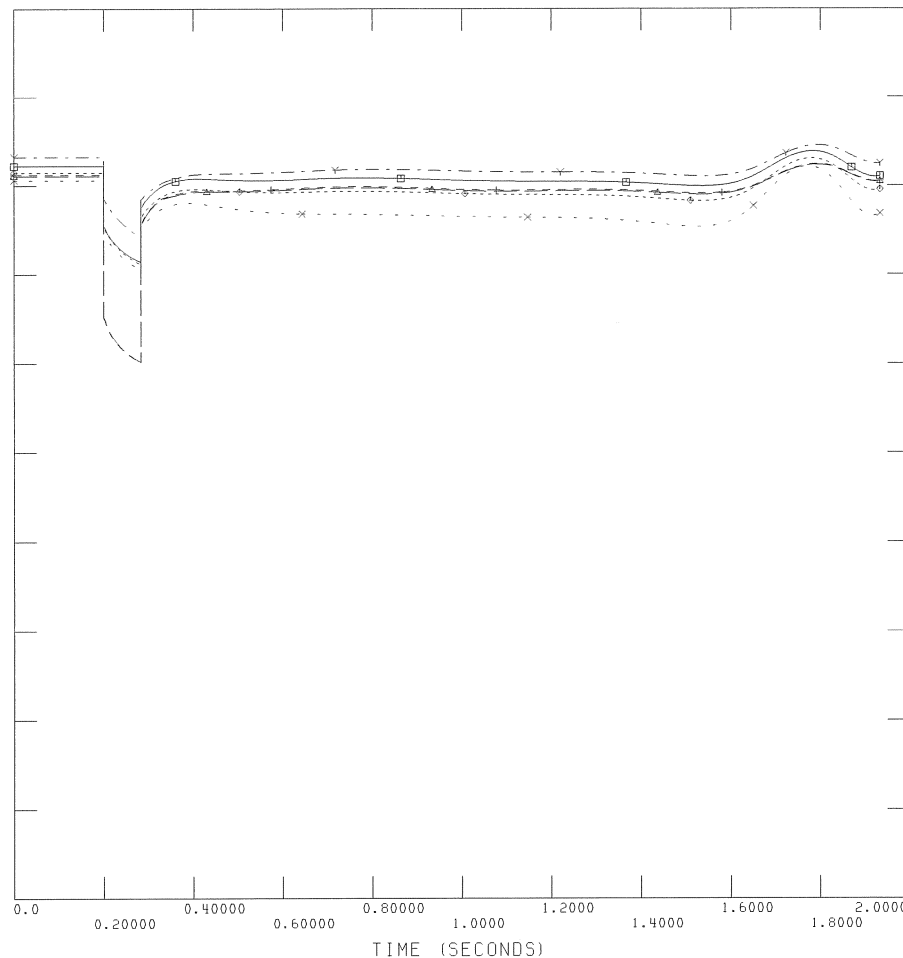




15HS_Z2A2 ALT1-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOR B111 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-LL-600slv-1000cal_scorb111.out

1.2000	CHNL# 617: EVOLT 70560 ELHMR DC	230.00JJ	0.20000
1.2000	CHNL# 563: EVOLT 70286 CHIDMAYPS	230.00JJ	0.20000
1.2000	CHNL# 679: EVOLT 73996 ECRLUMET	230.00JJ	0.20000
1.2000	CHNL# 524: EVOLT 70061 EBDOONE	230.00JJ	0.20000
1.2000	CHNL# 592: EVOLT 70459 EMRLSENBG	230.00JJ	0.20000
1.2000	CHNL# 534: EVOLT 70122 ECOMRANCHE	230.00JJ	0.20000



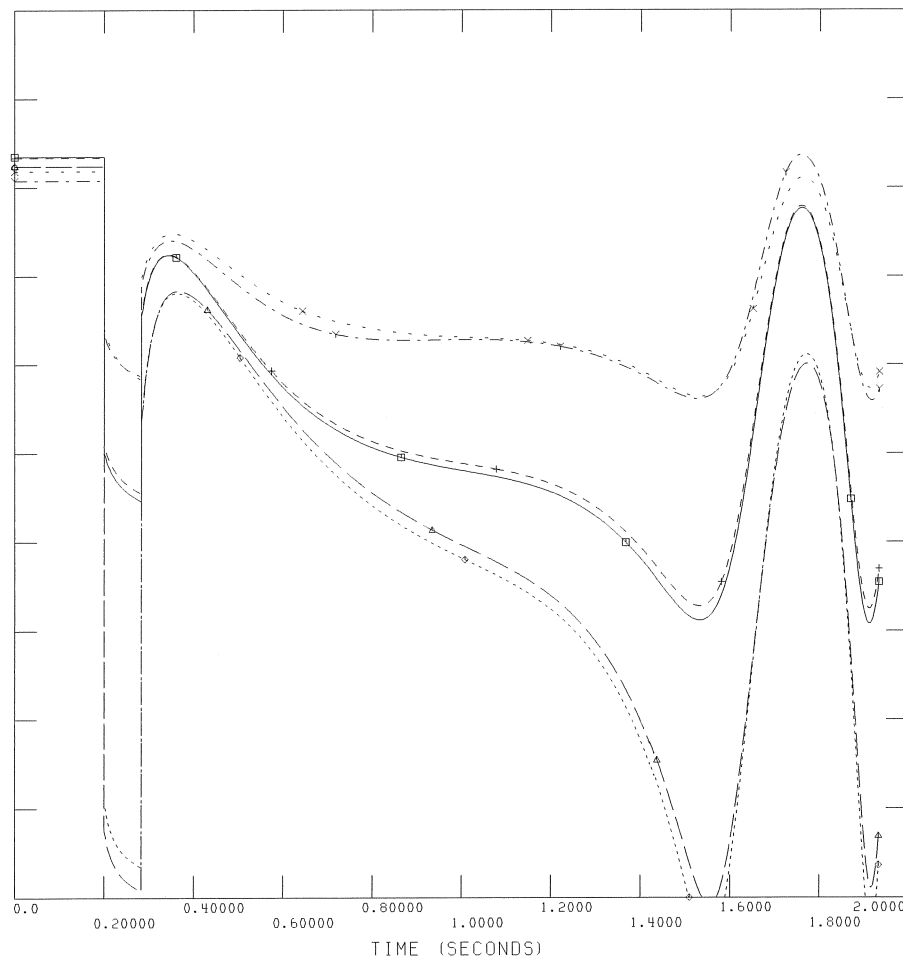
MON, JAN 18 2010 12:45
VOLTAGES - 230 KV



15HS_Z2A2 ALT1-600SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOR B111 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-LL-600slv-1000cal_scorb111.out

1.2000	CHNL# 615: EVOLT 70550 EM CANON	115.00JJ	0.20000
1.2000	CHNL# 582: EVOLT 70394 ESMELTER	115.00JJ	0.20000
1.2000	CHNL# 580: EVOLT 70379 ESRAGENT	115.00JJ	0.20000
1.2000	CHNL# 578: EVOLT 70374 ESRNLSLVY	115.00JJ	0.20000
1.2000	CHNL# 572: EVOLT 70327 EPRONCHA	115.00JJ	0.20000

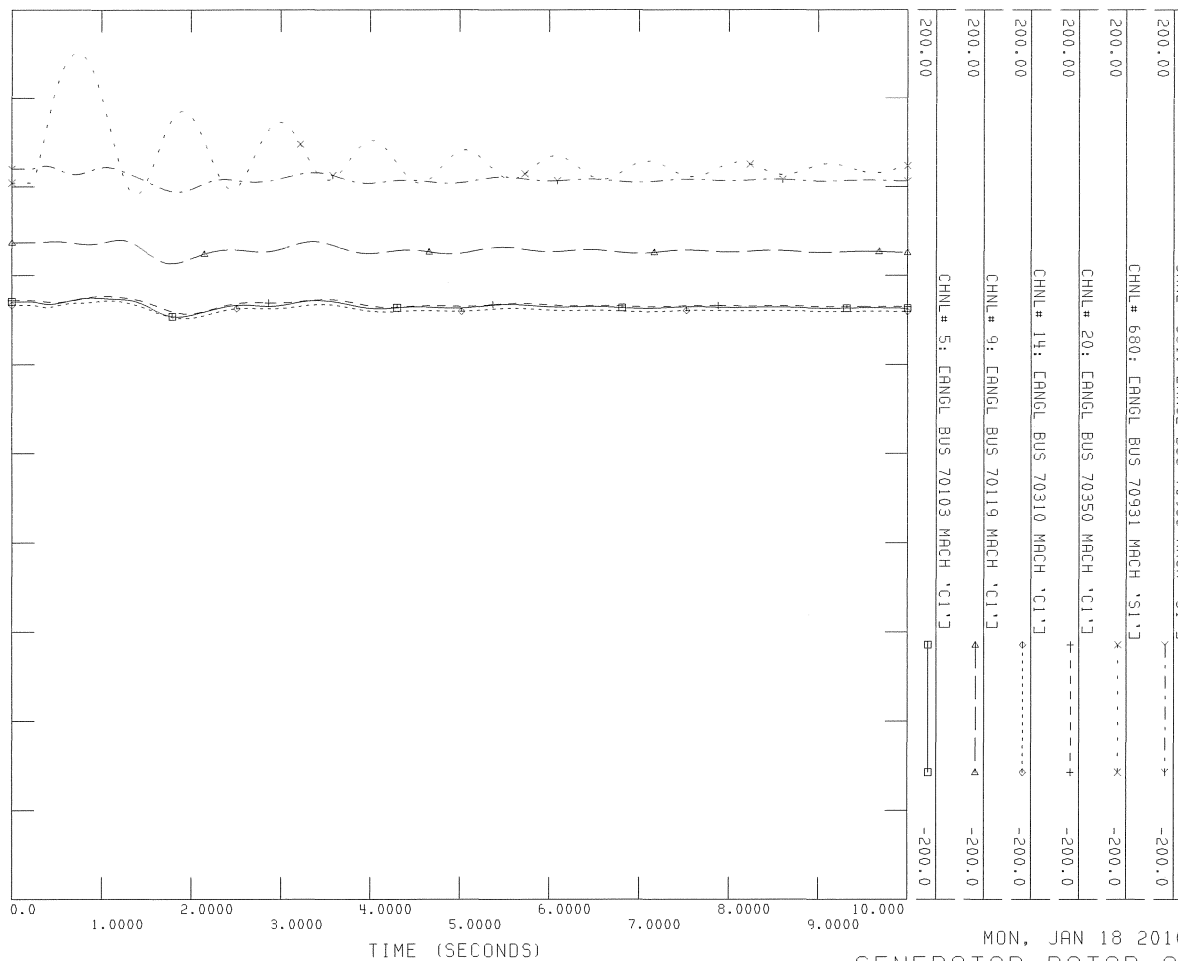


MON, JAN 18 2010 12:45
VOLTAGES - 115



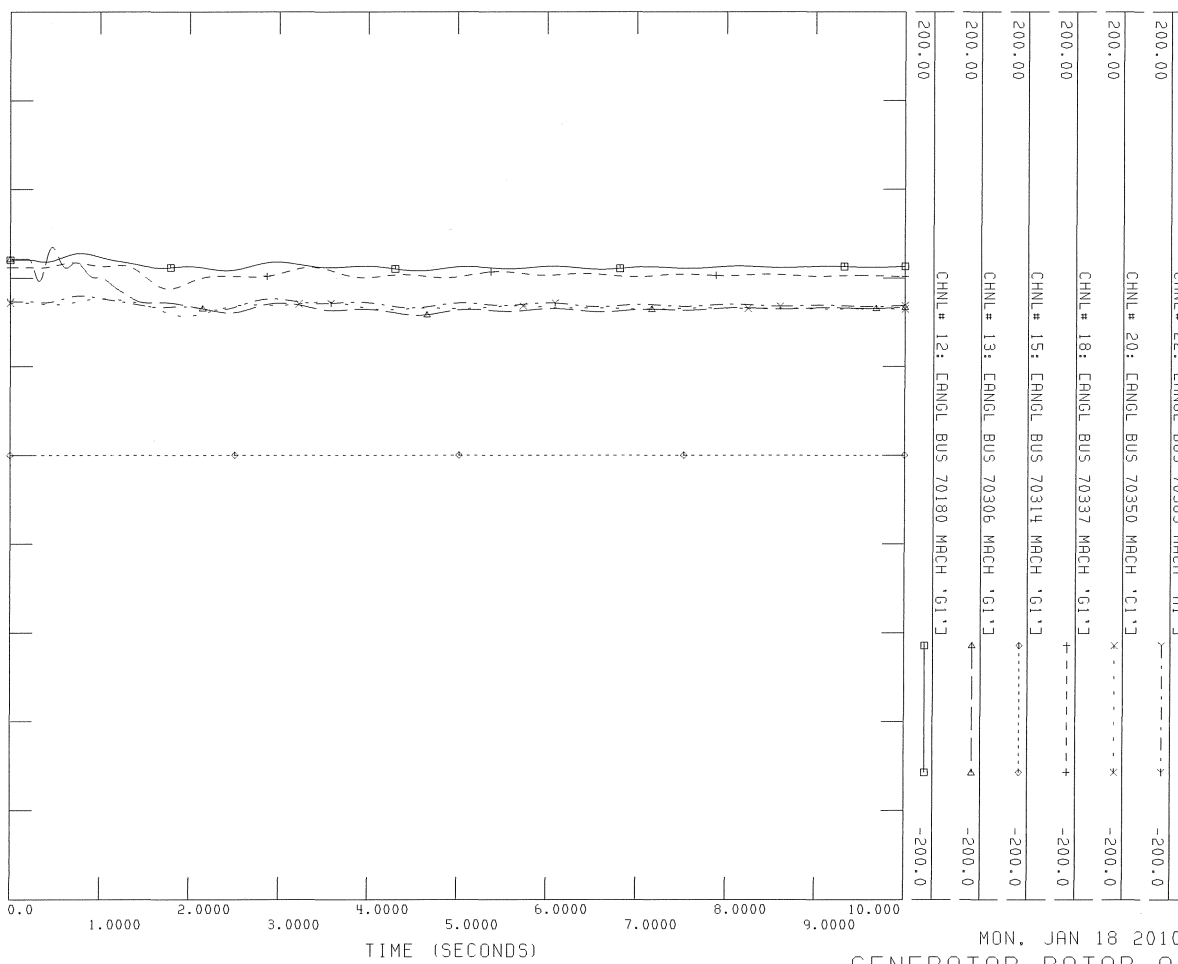
15HS_Z2A2 ALT1-575SLV-1000CAL
15HS PAPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOR BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

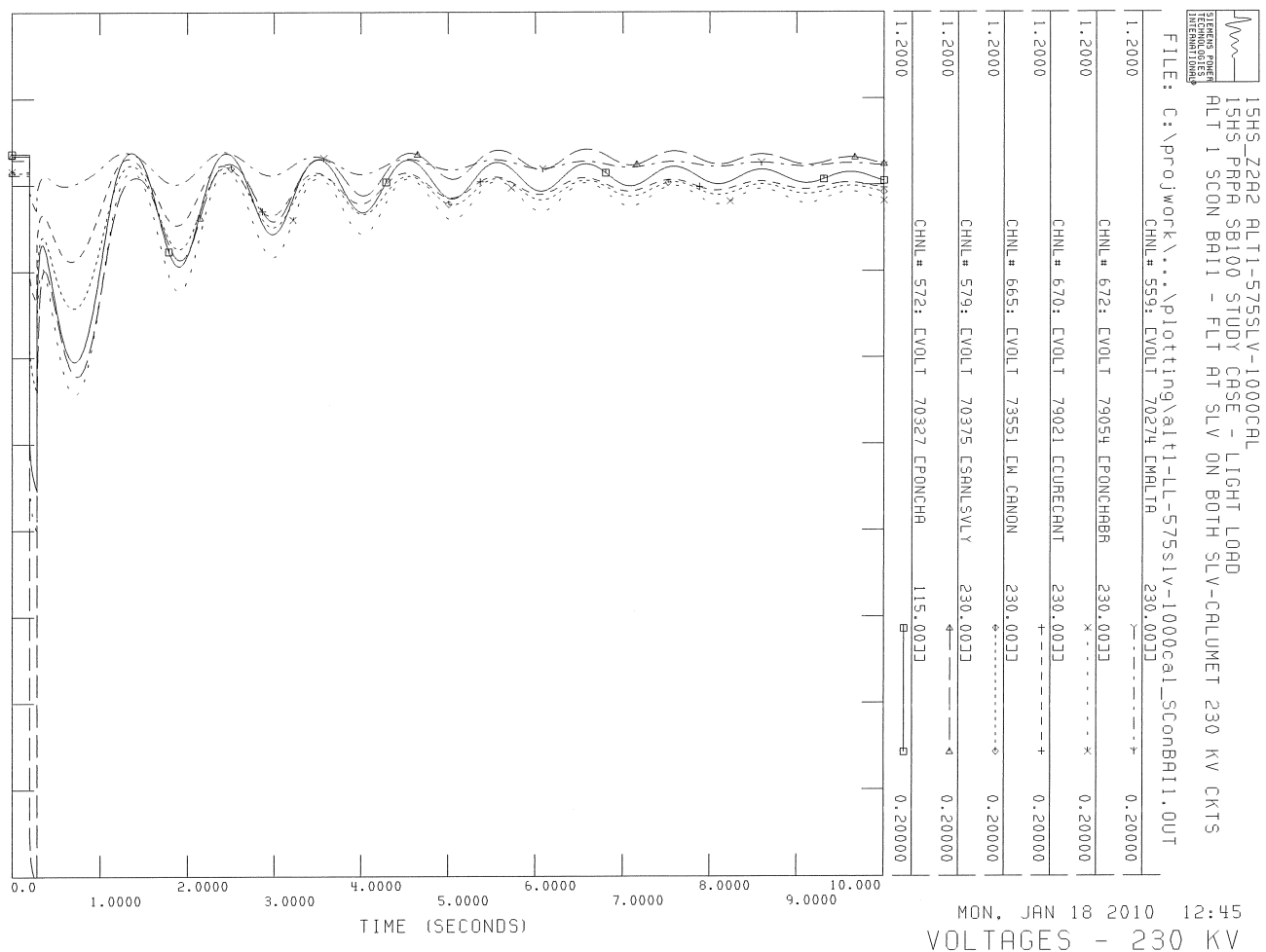
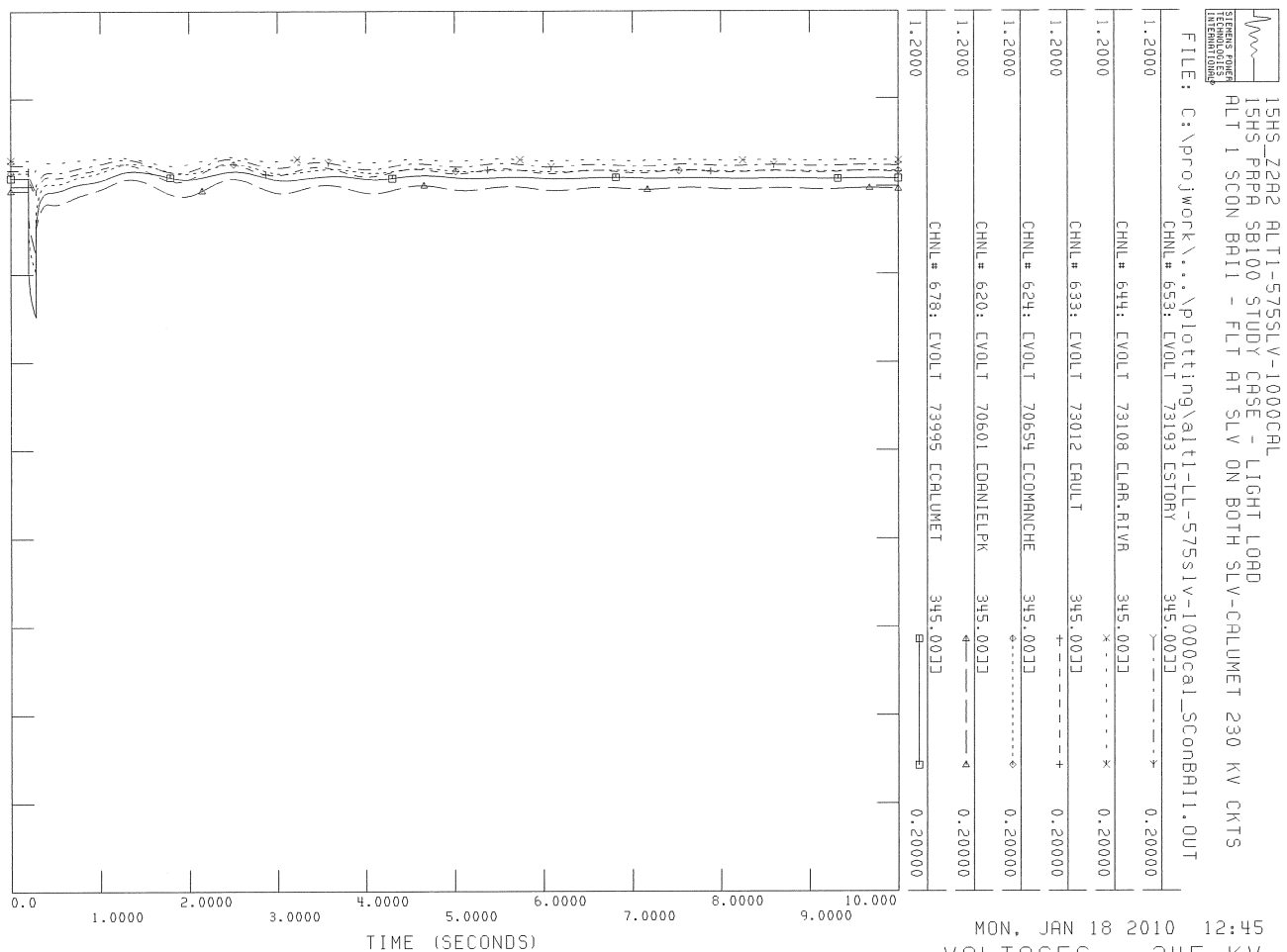
FILE: C:\projwork\...\plotting\alt1-LL-575slv-1000cal_sconbr11.out



15HS_Z2A2 ALT1-575SLV-1000CAL
15HS PAPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCOR BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-LL-575slv-1000cal_sconbr11.out



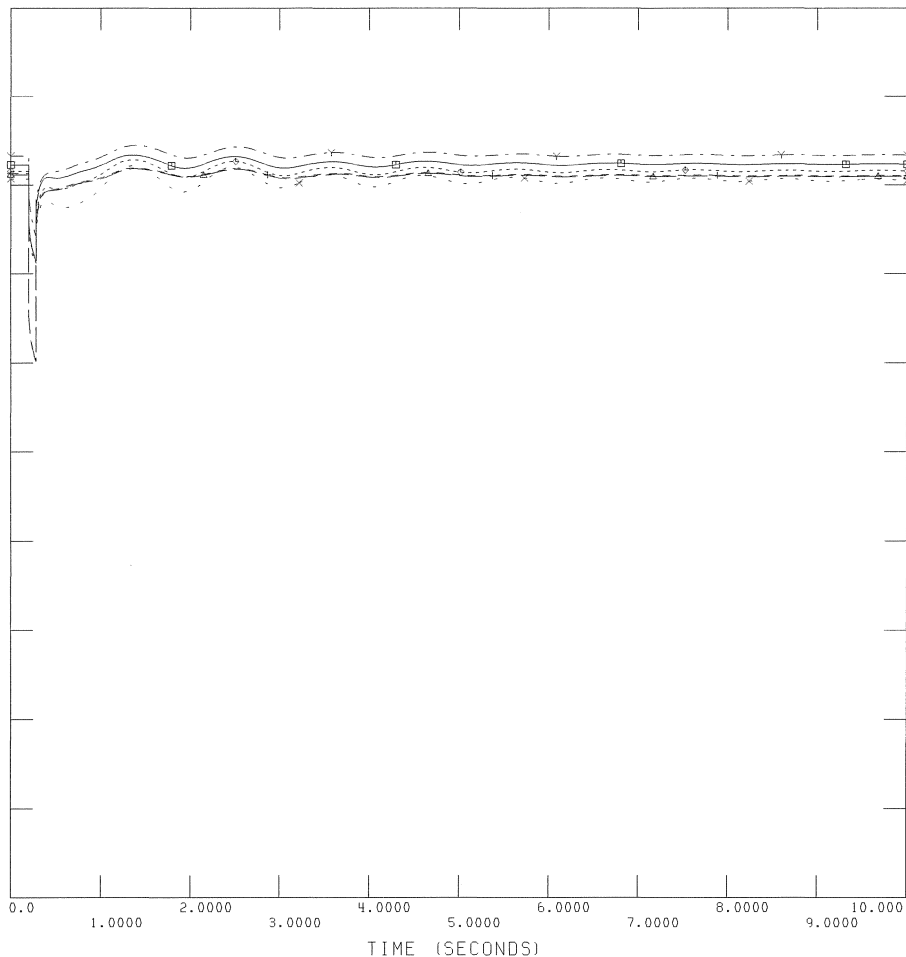




15HS-22A2 ALTI-575SLV-1000CAL
15HS PAPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCON BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

FILE: C:\projwork\...\plotting\alt1-LL-575slv-1000cal_sconbr11.out

1.2000	CHNL # 617; EVOLT 70560 CLAMAR DC	230.00JJ	0.20000
1.2000	CHNL # 563; EVOLT 70286 CMIDHAYPS	230.00JJ	0.20000
1.2000	CHNL # 679; EVOLT 73996 CCALUMET	230.00JJ	0.20000
1.2000	CHNL # 524; EVOLT 70061 CB00NE	230.00JJ	0.20000
1.2000	CHNL # 592; EVOLT 70459 CMLSENBC	230.00JJ	0.20000
1.2000	CHNL # 534; EVOLT 70122 CCOMANCHE	230.00JJ	0.20000



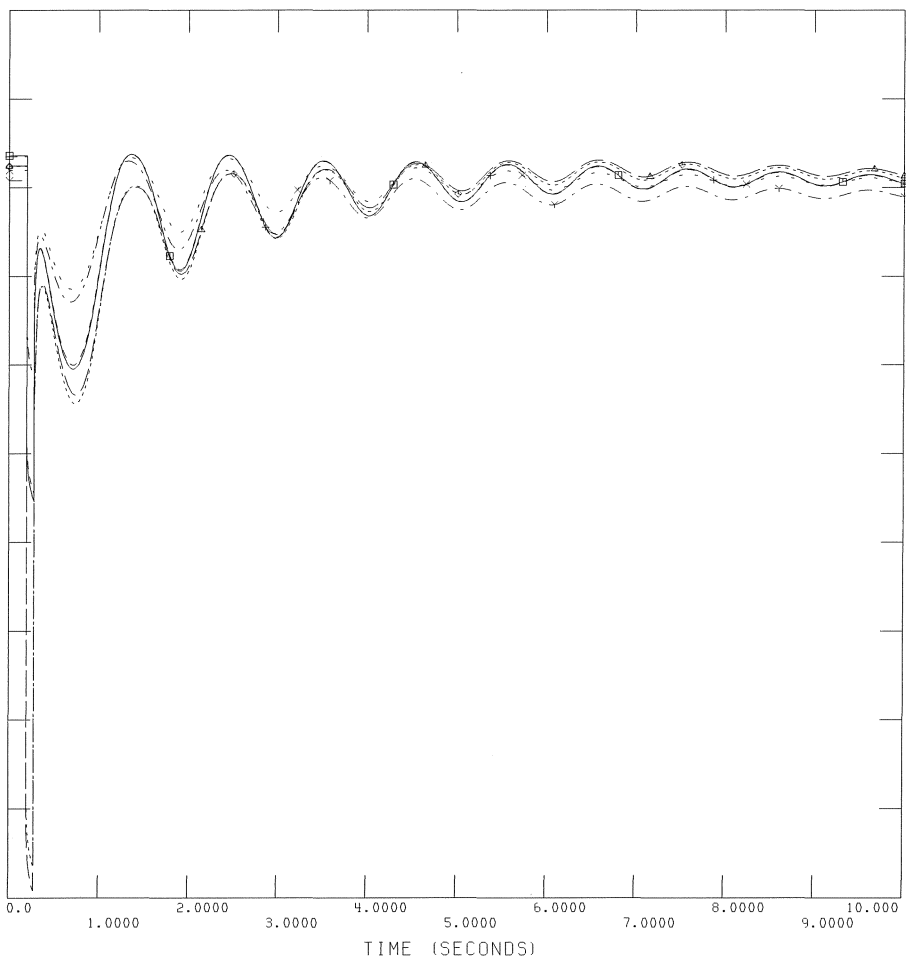
MON, JAN 18 2010 12:45
VOLTAGES - 230 KV



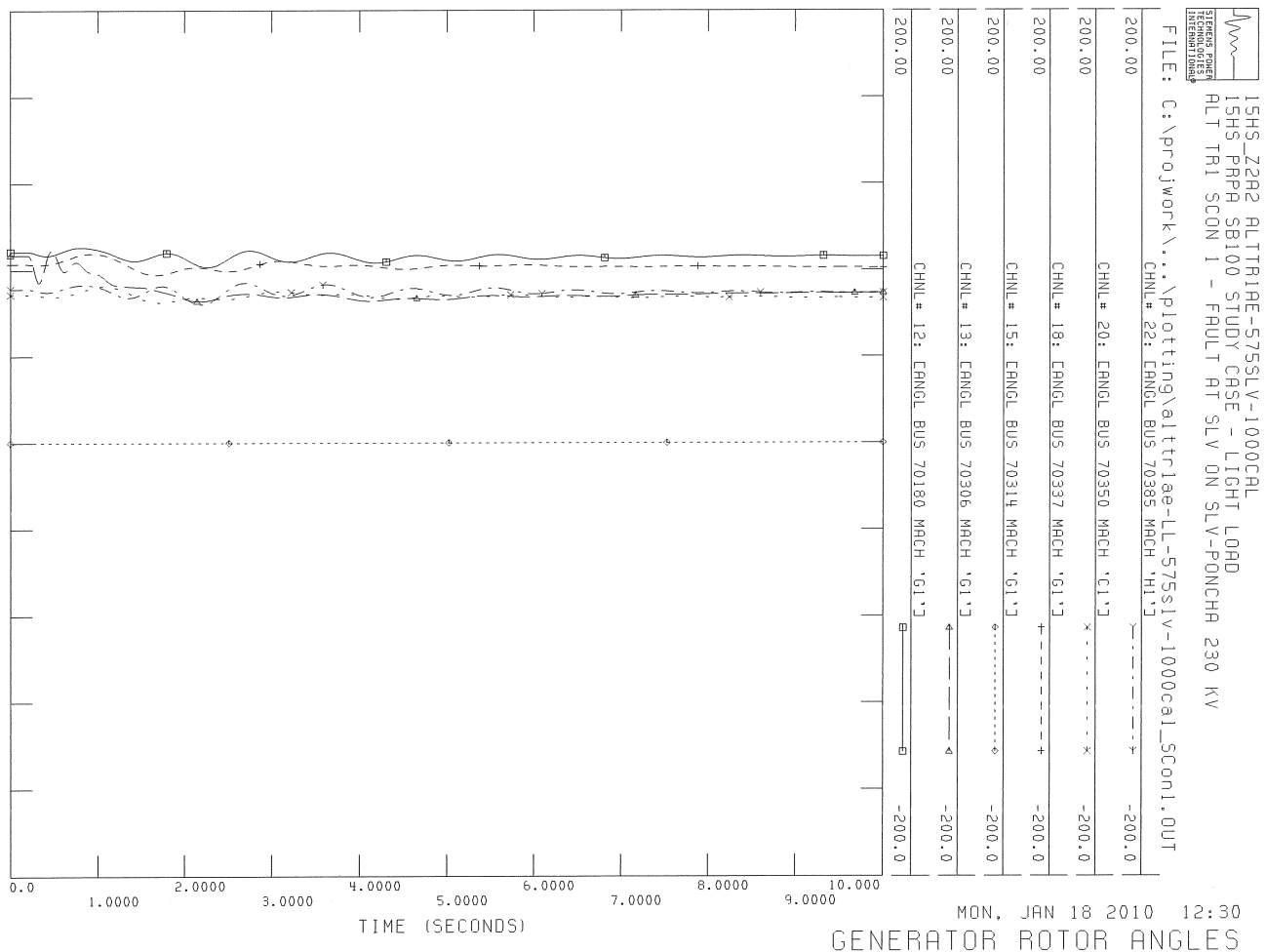
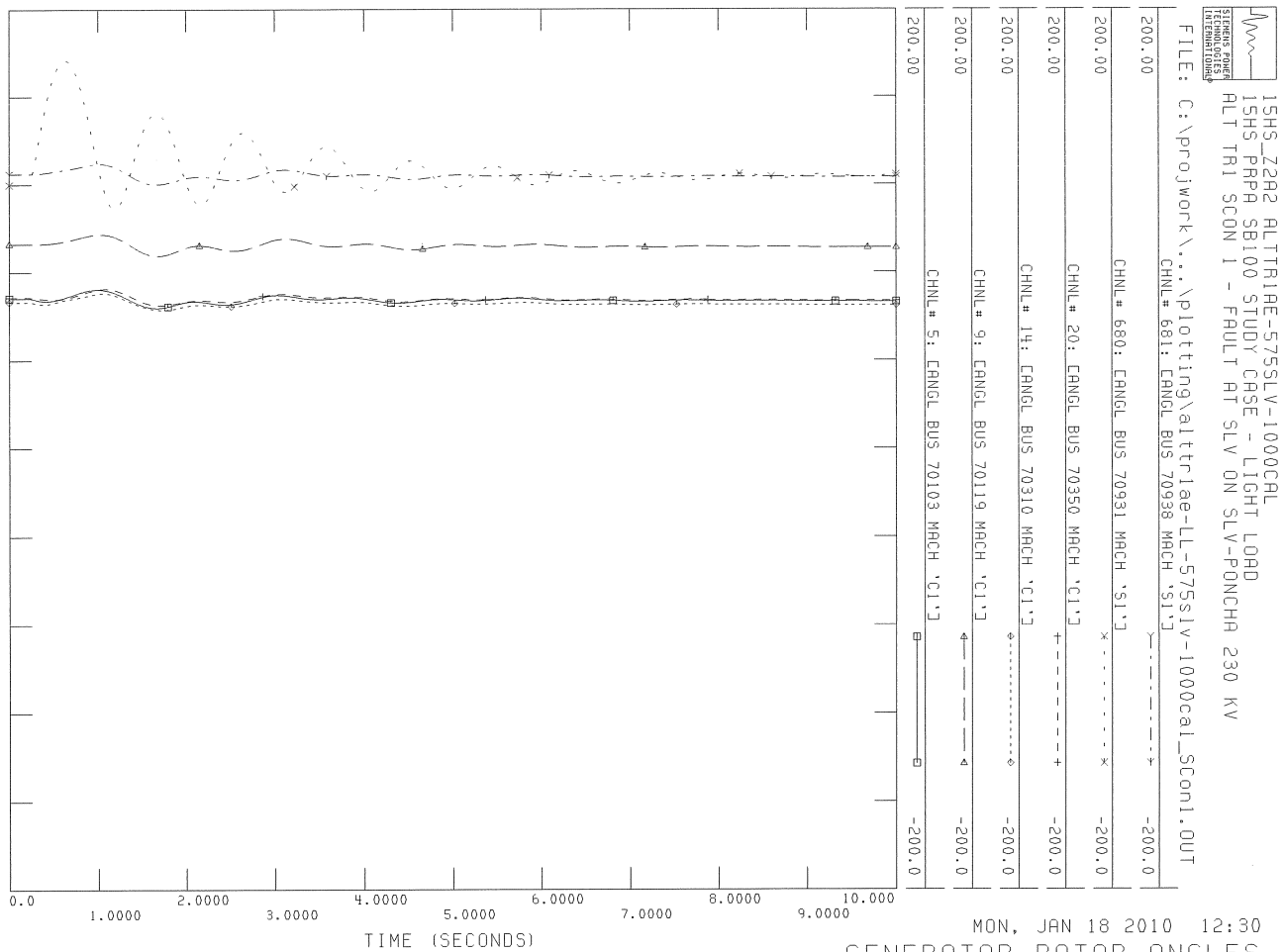
15HS-22A2 ALTI-575SLV-1000CAL
15HS PAPA SB100 STUDY CASE - LIGHT LOAD
ALT 1 SCON BR11 - FLT AT SLV ON BOTH SLV-CALUMET 230 KV CKTS

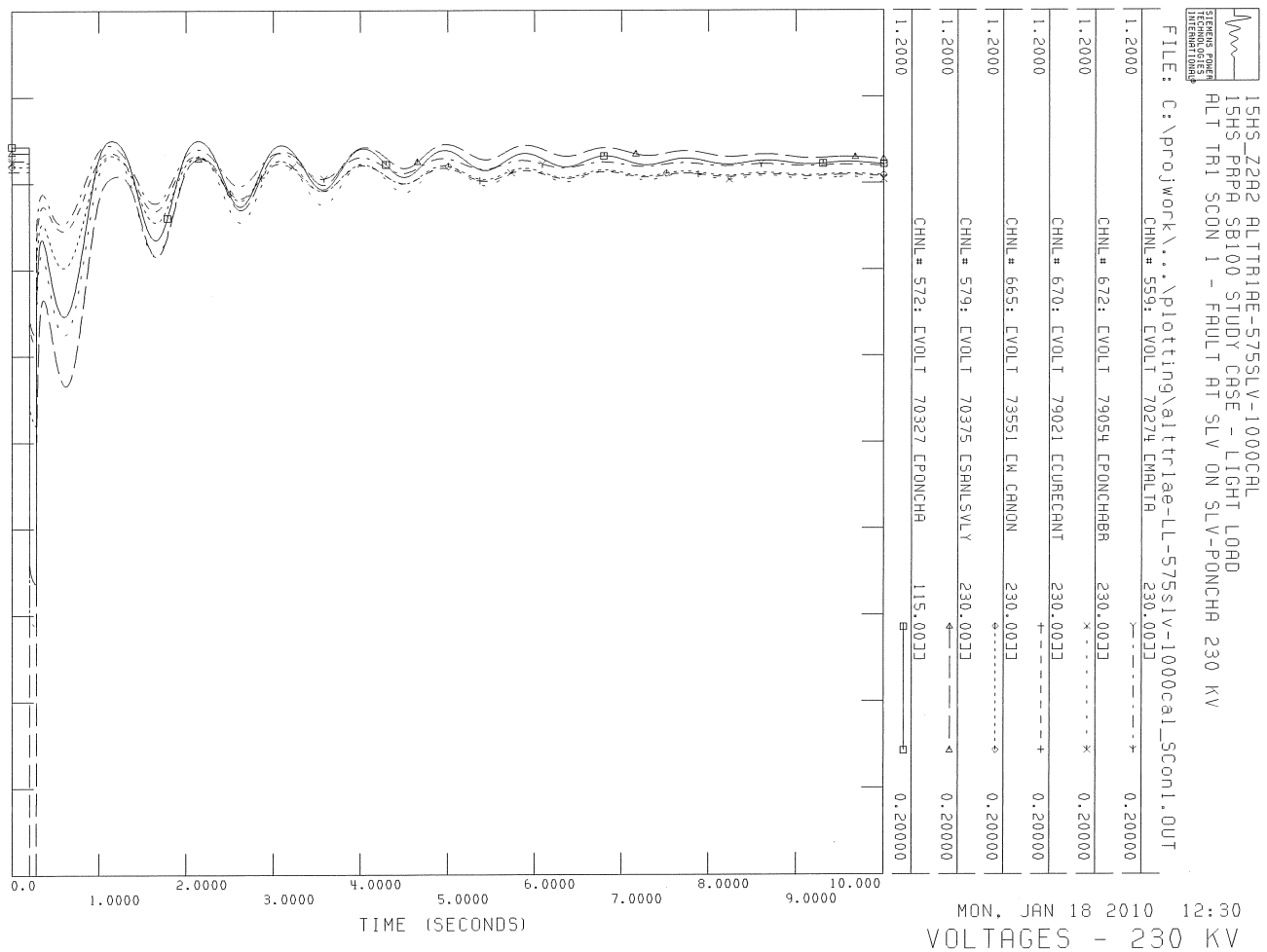
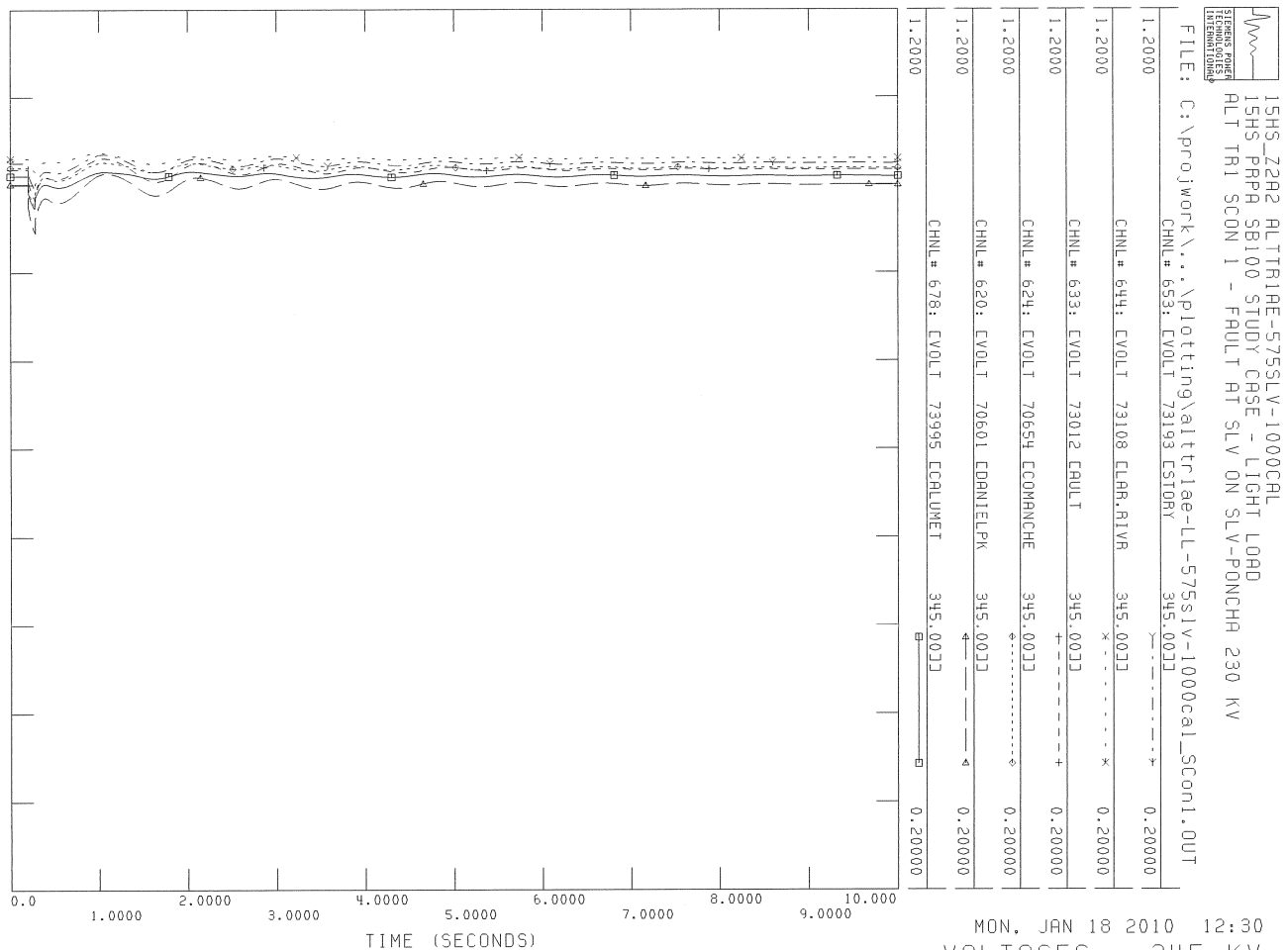
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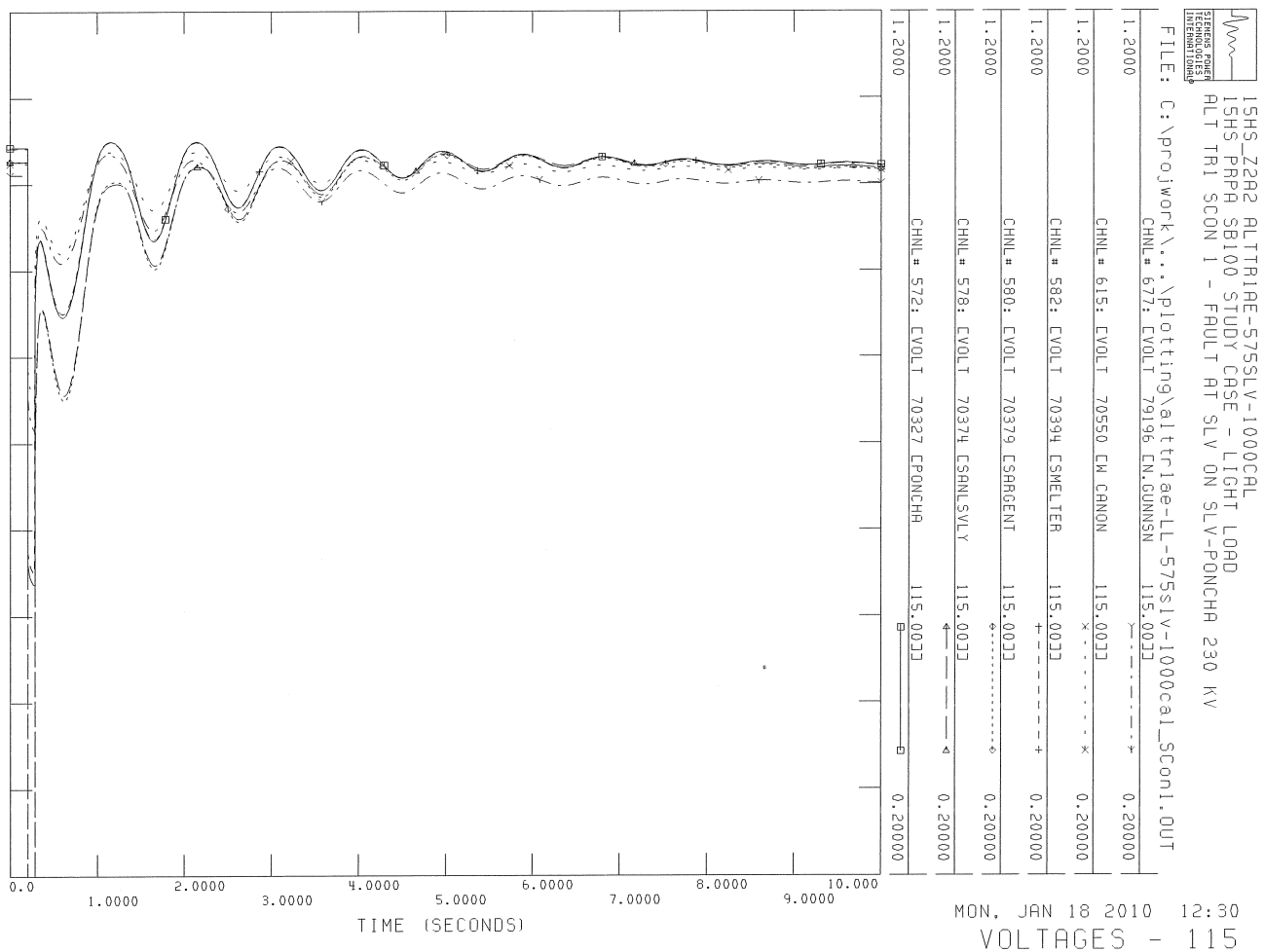
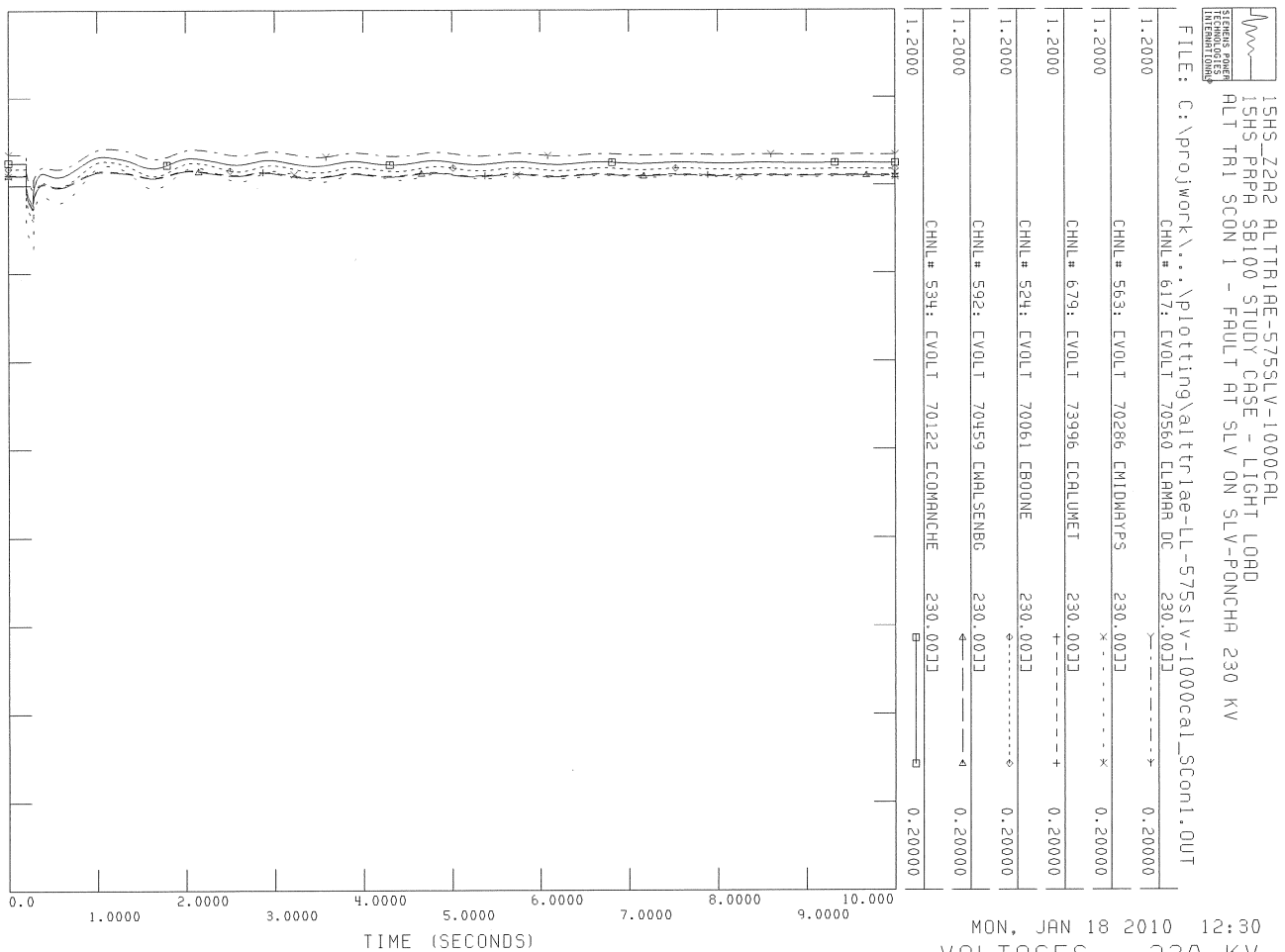
1.2000	CHNL # 615; EVOLT 70550 CM CANON	115.00JJ	0.20000
1.2000	CHNL # 582; EVOLT 70394 CSMELTER	115.00JJ	0.20000
1.2000	CHNL # 580; EVOLT 70379 CSARGENT	115.00JJ	0.20000
1.2000	CHNL # 578; EVOLT 70374 CSANLSLVY	115.00JJ	0.20000
1.2000	CHNL # 572; EVOLT 70327 CPONCHR	115.00JJ	0.20000

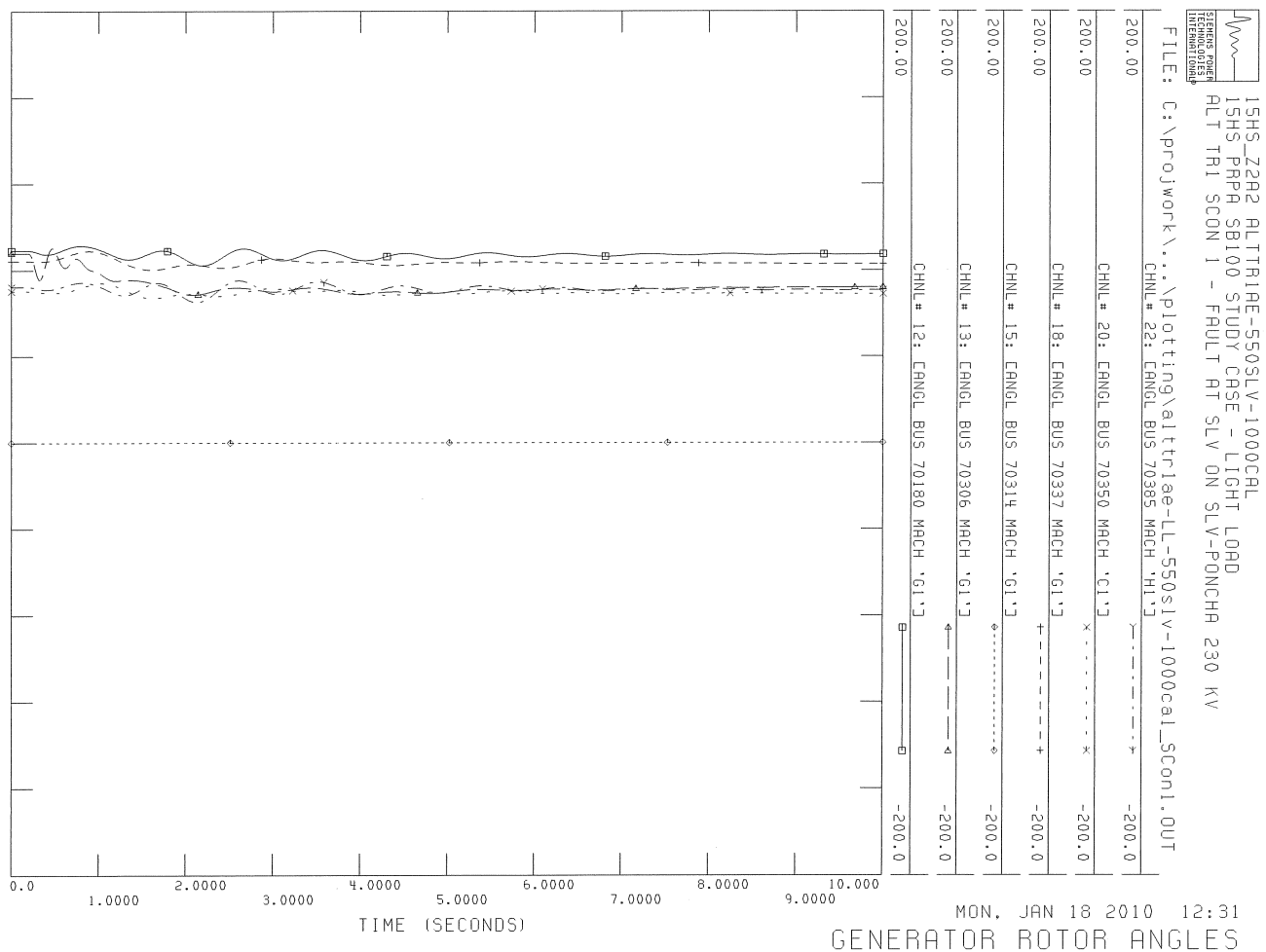
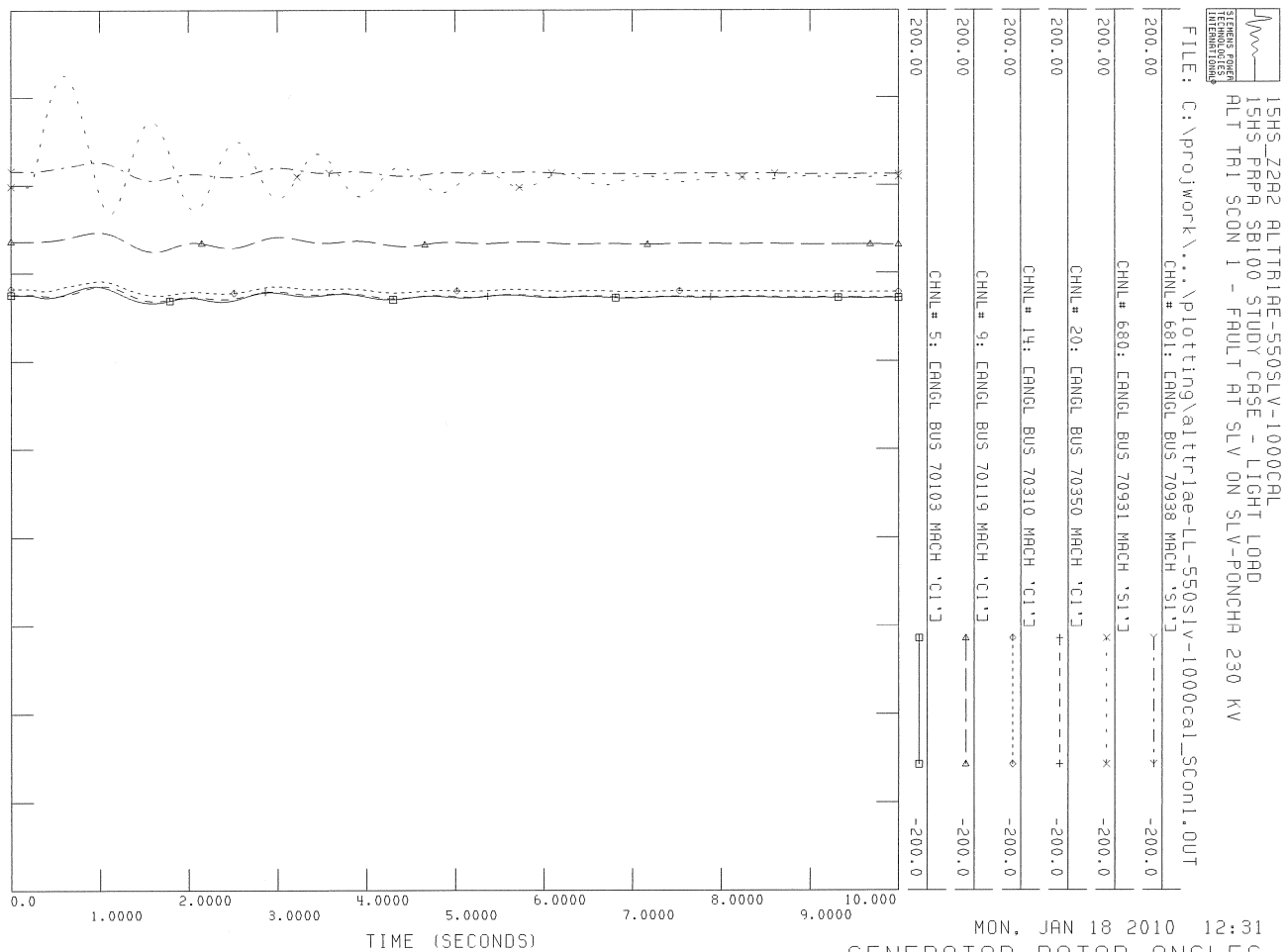


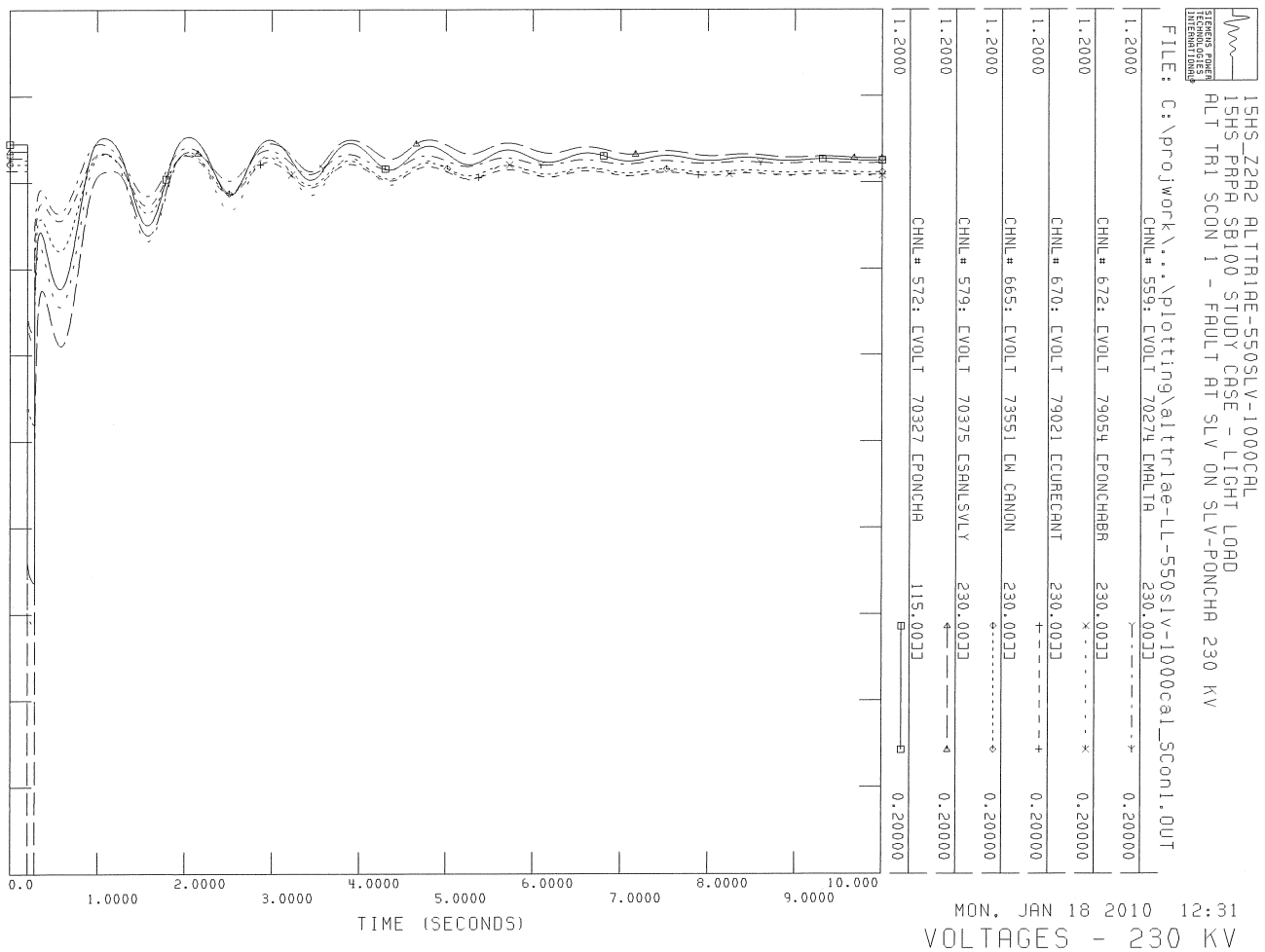
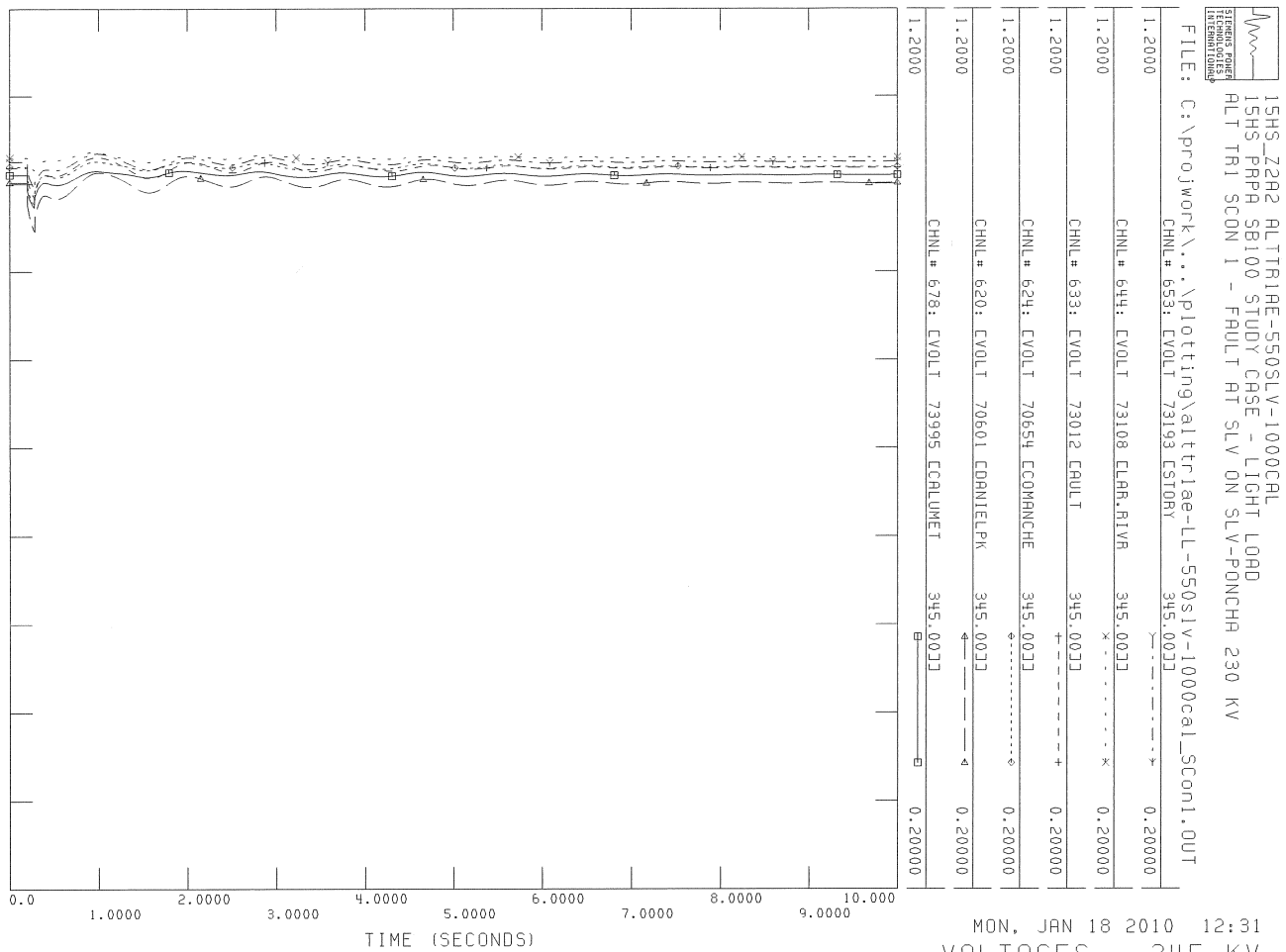
MON, JAN 18 2010 12:45
VOLTAGES - 115







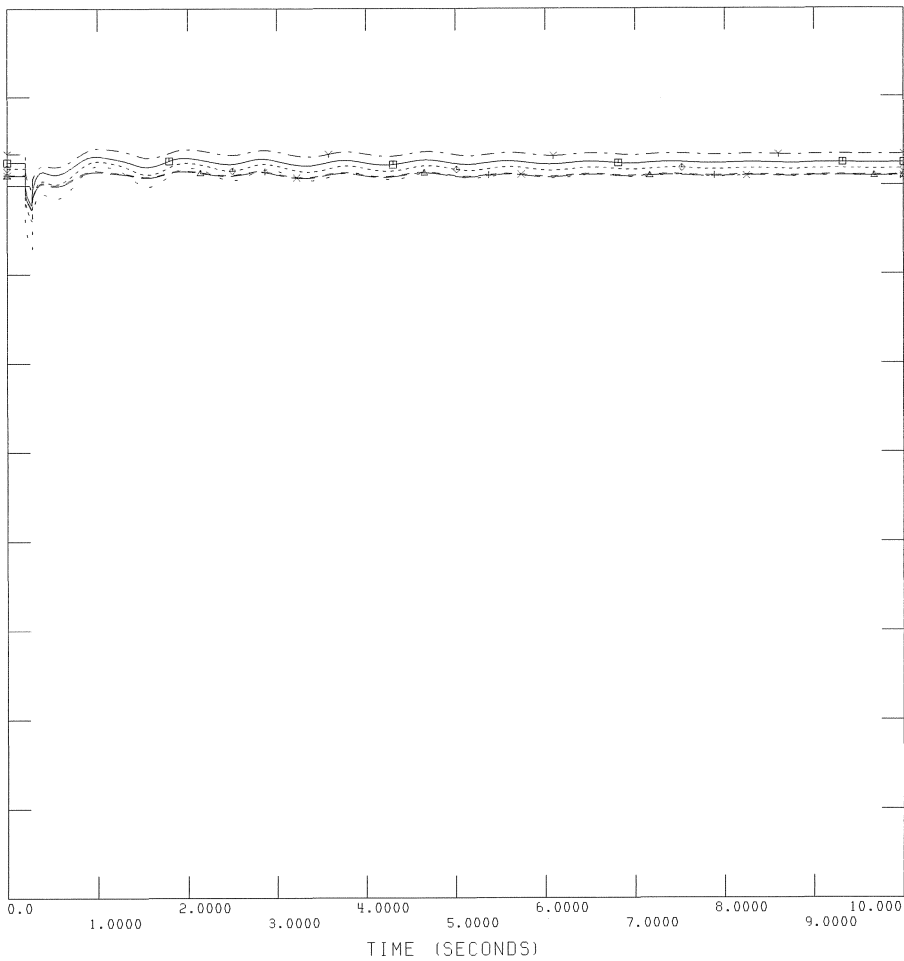




15HS_22A2 ALTR1AE-550SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT TRI SC0N 1 - FRULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\altr1ae-ll-550slv-1000cal_scon1.out

1.2000	CHNL# 617: EVOLT 70560 ELAHAR DC	230.0033	0.20000
1.2000	CHNL# 563: EVOLT 70286 EMIDMAYPS	230.0033	0.20000
1.2000	CHNL# 679: EVOLT 73996 ECRLUMET	230.0033	0.20000
1.2000	CHNL# 524: EVOLT 70061 EB00NE	230.0033	0.20000
1.2000	CHNL# 592: EVOLT 70459 EMULSENBG	230.0033	0.20000
1.2000	CHNL# 534: EVOLT 70122 ECONANCHE	230.0033	0.20000



15HS_22A2 ALTR1AE-550SLV-1000CAL
15HS PRPA SB100 STUDY CASE - LIGHT LOAD
ALT TRI SC0N 1 - FRULT AT SLV ON SLV-PONCH 230 KV

FILE: C:\projwork\...\plotting\altr1ae-ll-550slv-1000cal_scon1.out

1.2000	CHNL# 615: EVOLT 70550 EM CRAND	115.0033	0.20000
1.2000	CHNL# 582: EVOLT 70394 ESMELTER	115.0033	0.20000
1.2000	CHNL# 580: EVOLT 70379 ESMRGENT	115.0033	0.20000
1.2000	CHNL# 578: EVOLT 70374 ESMULSVLY	115.0033	0.20000
1.2000	CHNL# 572: EVOLT 70327 EPONCH	115.0033	0.20000

