2010-12-03 Friday Morning Notes

Friday, December 03, 2010
7:29 AM

Stacking and Transfers

- Stacked 25.6mA/hr with a production of 20.6 pbars/Mp with 8.04 Tp on target.

Interesting Happenings

Numbers

- Stacking
  - Pbars stacked: 568.48 E10
  - Time stacking: 23.00 Hr
  - Average stacking rate: 24.72 E10/Hr

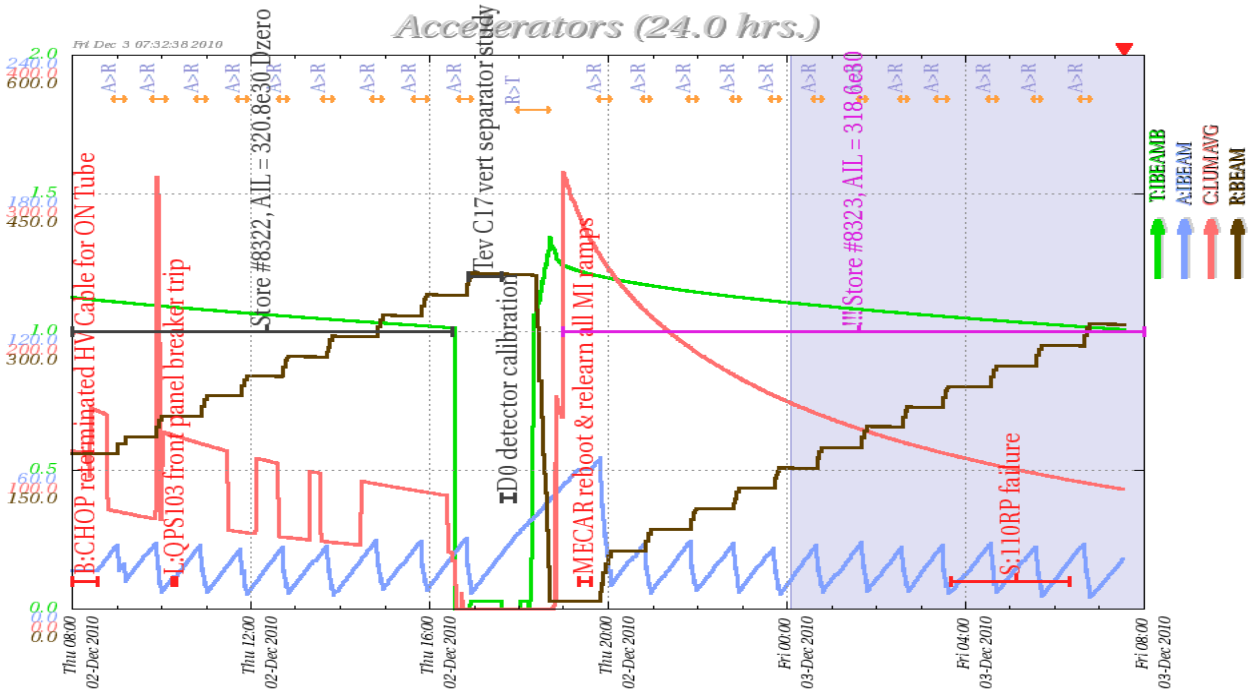
- Uptime
  - Number of pulses while in stacking mode: 35034
  - Number of pulses with beam: 33560
  - Fraction of up pulses was: 95.79%

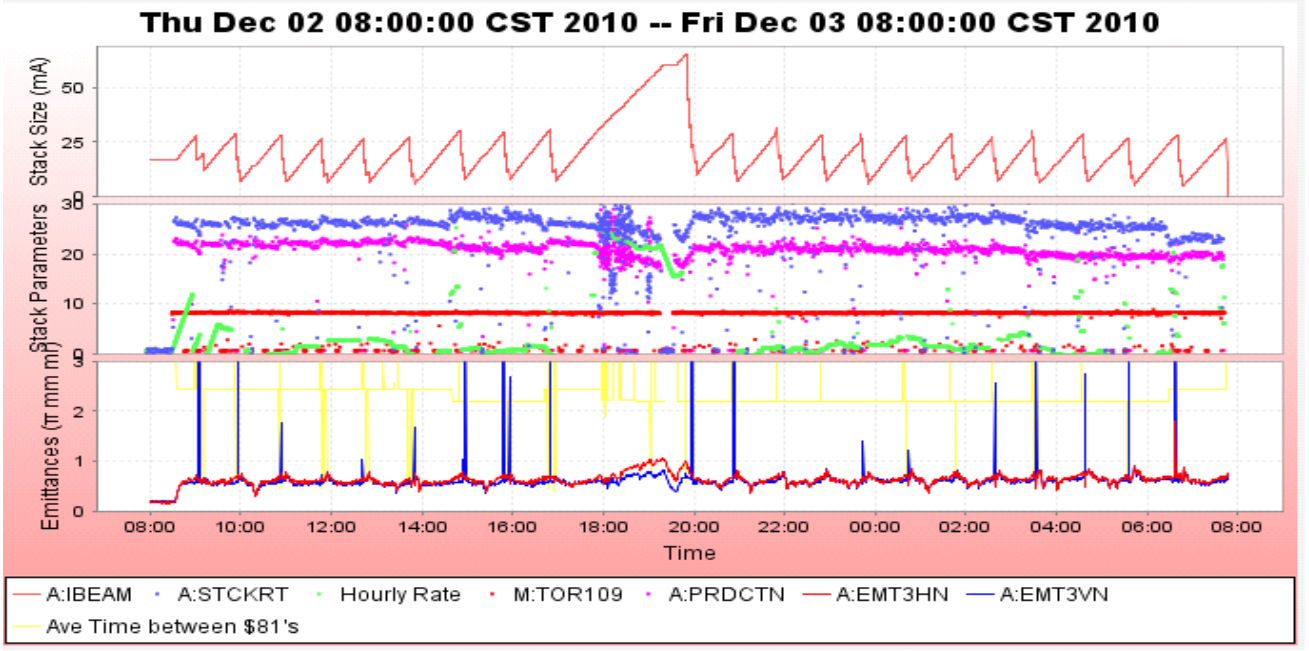
- The uptime's effect on the stacking numbers
  - Corrected time stacking: 22.03 Hr
  - Possible average stacking rate: 25.80 E10/Hr
  - Could have stacked: 593.45 E10/Hr

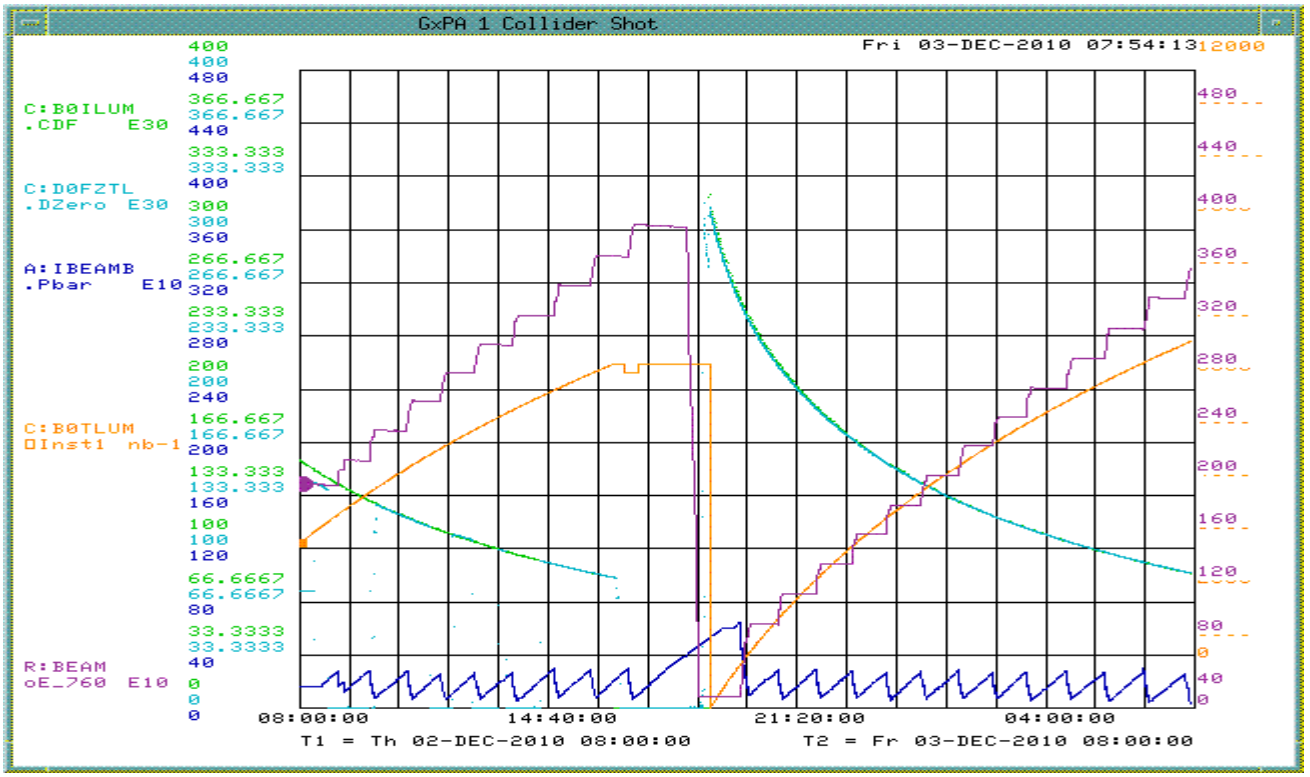
- Recycler Transfers
  - Pbars sent to the Recycler: 535.09 E10
  - Number of transfers : 63
  - Number of transfer sets: 22
  - Average Number of transfer per set: 2.86
  - Time taken to shoot including reverse proton tuneup: 00.22 Hr
  - Transfer efficiency: 94.86%

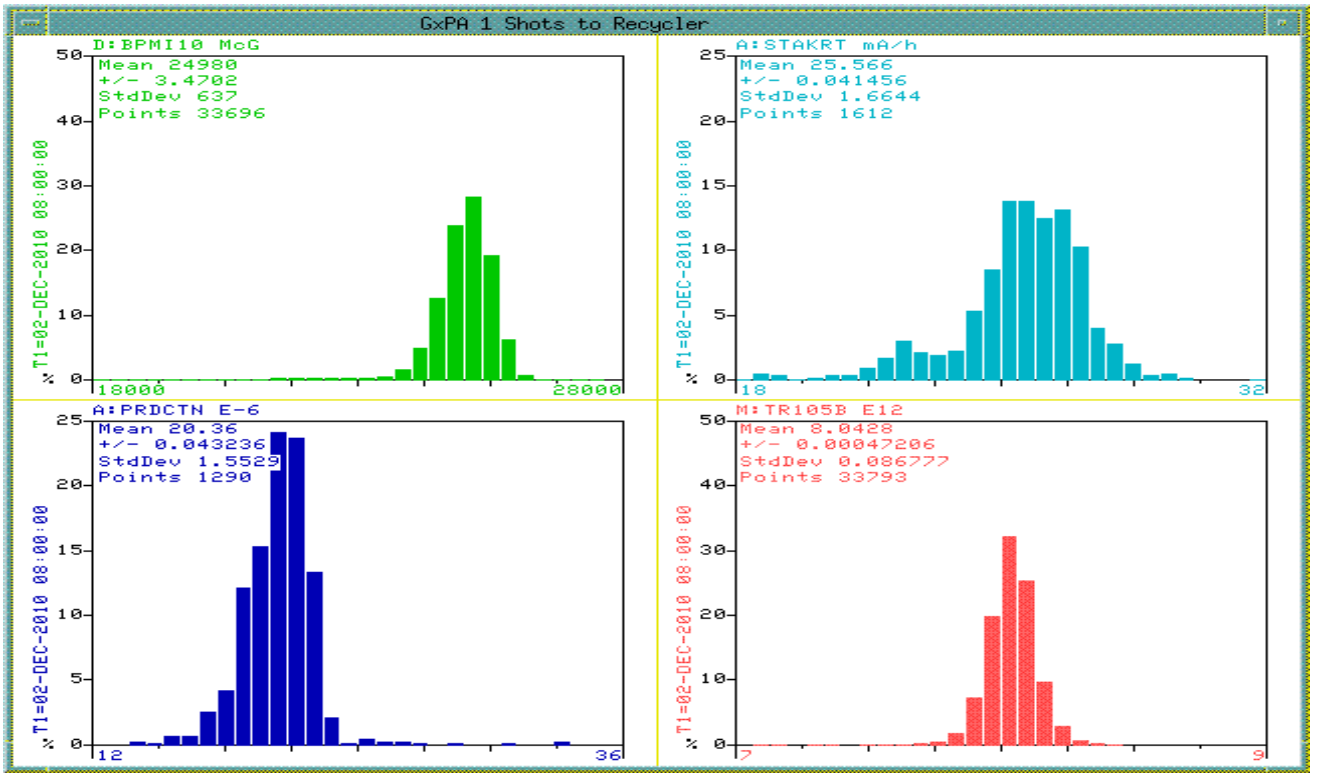
- Other Info
  - Average POT : 8.04 E12
  - Average production: 21.06 pbars/E6 protons

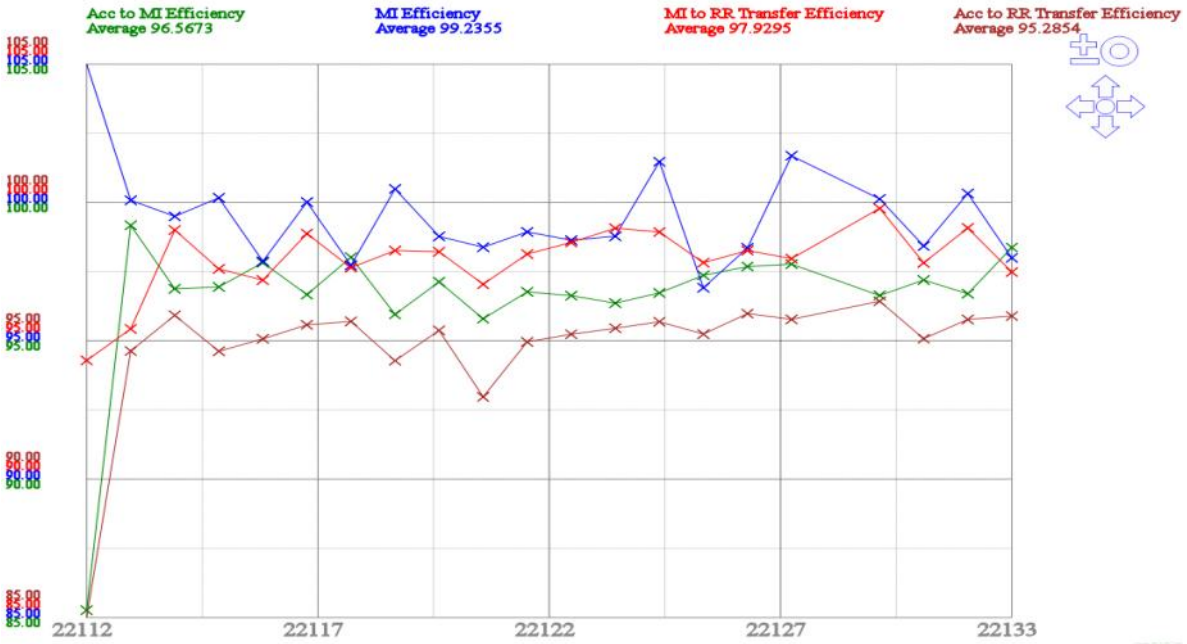
Plots

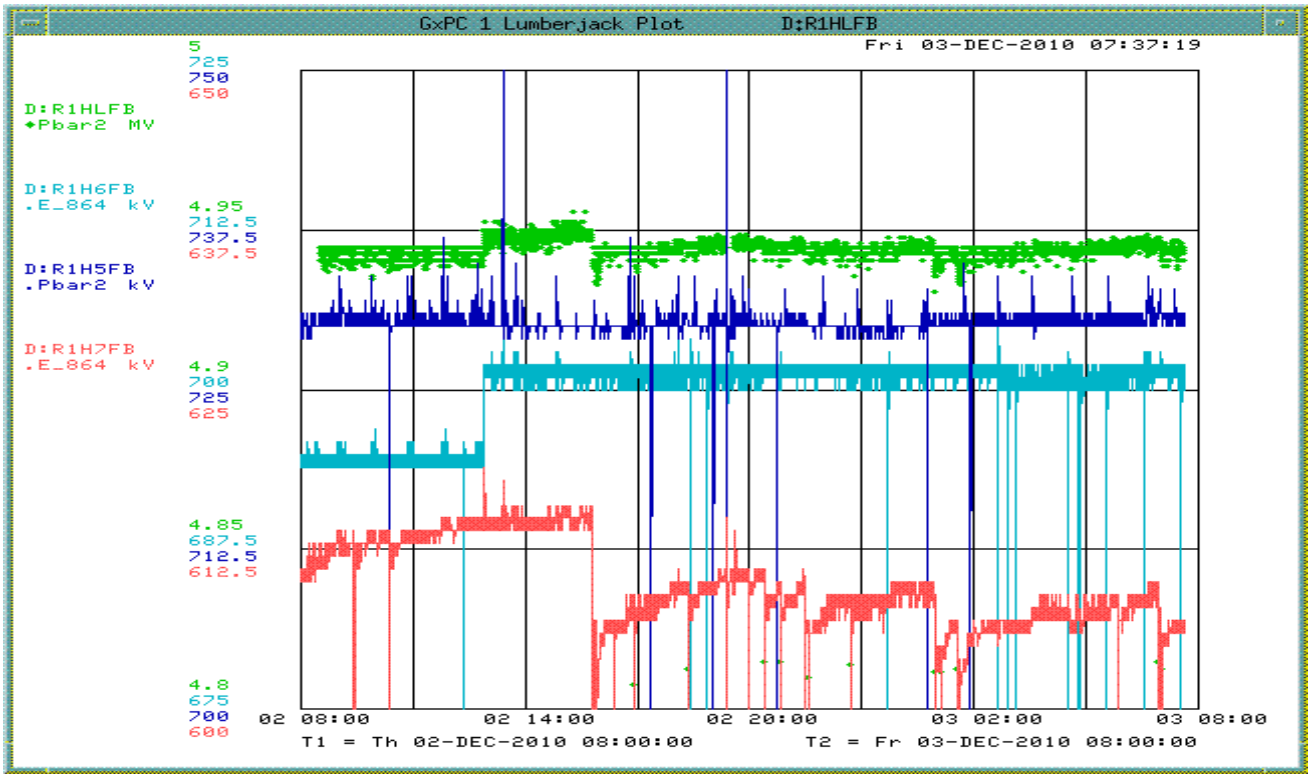

Accelerators (24.0 hrs.)
Fri Dec 3 07:32:38 2010
Store #8322, AIL = 320.8e30 Dzero
Tev C17 vert separator study
Store #8323, AIL = 318.6e30
B:CHOP reterminated HV Cable for ON Tube
L:QPS103 front panel breaker trip
D0 detector calibration
MECAR reboot & relearn all MI pumps
S:110RP failure
T:IBEAMB
A:IBEAM
C:LUM:AVG
R:BEAM
Thu 08:00 02-Dec 2010
Thu 12:00 02-Dec 2010
Thu 16:00 02-Dec 2010
Thu 20:00 02-Dec 2010
Fri 00:00 03-Dec 2010
Fri 04:00 03-Dec 2010
Fri 08:00 03-Dec 2010


Thu Dec 02 08:00:00 CST 2010 -- Fri Dec 03 08:00:00 CST 2010
Stack Size (mA)
Stack Parameters
Emittances (π mm mr)
Time
08:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
00:00
02:00
04:00
06:00
08:00
A:IBEAM
A:STCKRT
Hourly Rate
M:TOR109
A:PRDCTN
A:EMT3HN
A:EMT3VN
Ave Time between $81's

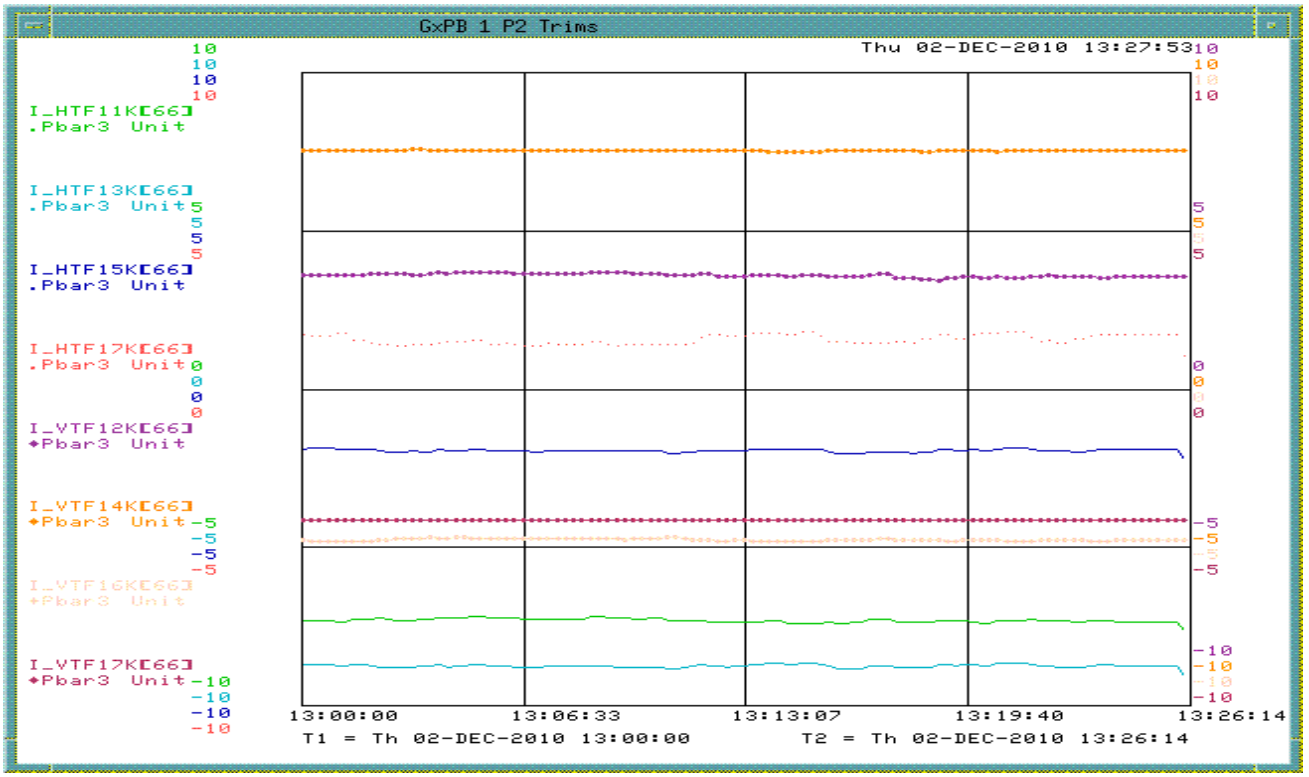

GxPA 1 Collider Shot
Fri 03-DEC-2010 07:54:13
C:B0ILUM
.CDF E30
C:D0FZTL
.DZero E30
A:IBEAMB
.Pbar E10
C:B0TLUM
DInst1 nb-1
R:BEAM
oE_760 E10
08:00:00
14:40:00
21:20:00
04:00:00
T1 = Th 02-DEC-2010 08:00:00
T2 = Fr 03-DEC-2010 08:00:00


GxPA 1 Shots to Recycler
D:BPMI10 McG
Mean 24980
+/- 3.4702
StdDev 637
Points 33696
A:STAKRT mA/h
Mean 25.566
+/- 0.041456
StdDev 1.6644
Points 1612
A:PRDCTN E-6
Mean 20.36
+/- 0.043236
StdDev 1.5529
Points 1290
M:TR105B E12
Mean 8.0428
+/- 0.00047206
StdDev 0.086777
Points 33793
T1=02-DEC-2010 08:00:00

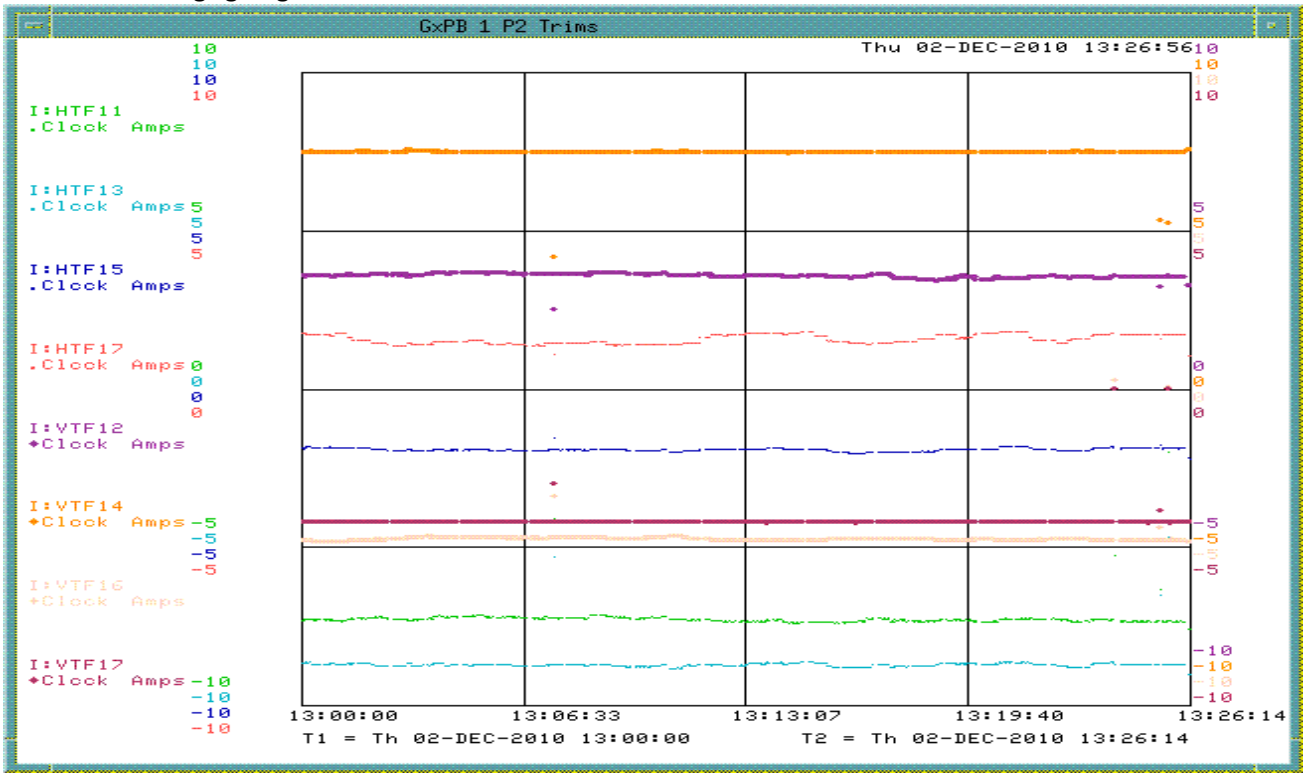




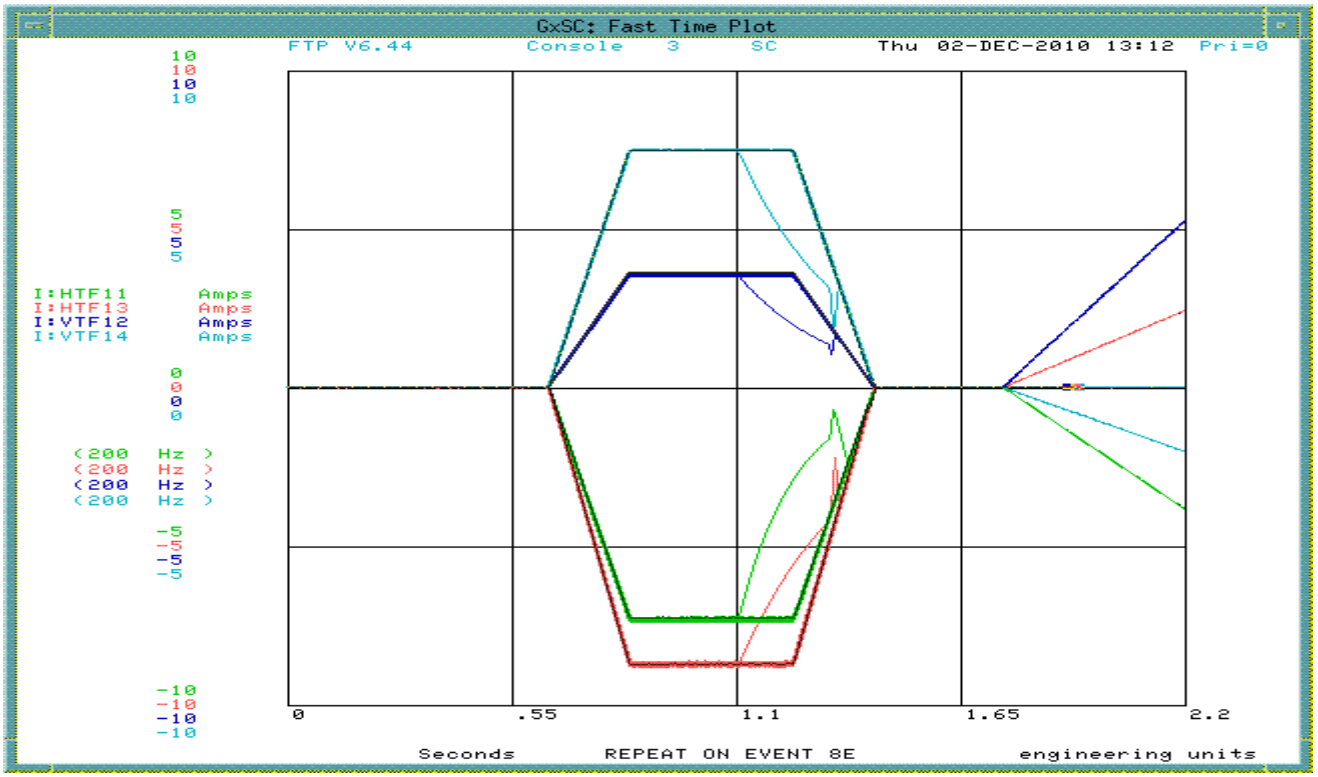
DRF1-7 had 27 trips, DRF1-6 had 14 trips, DRF1-5 had 11 trips. DRF1-7 tubes are starting to fail.



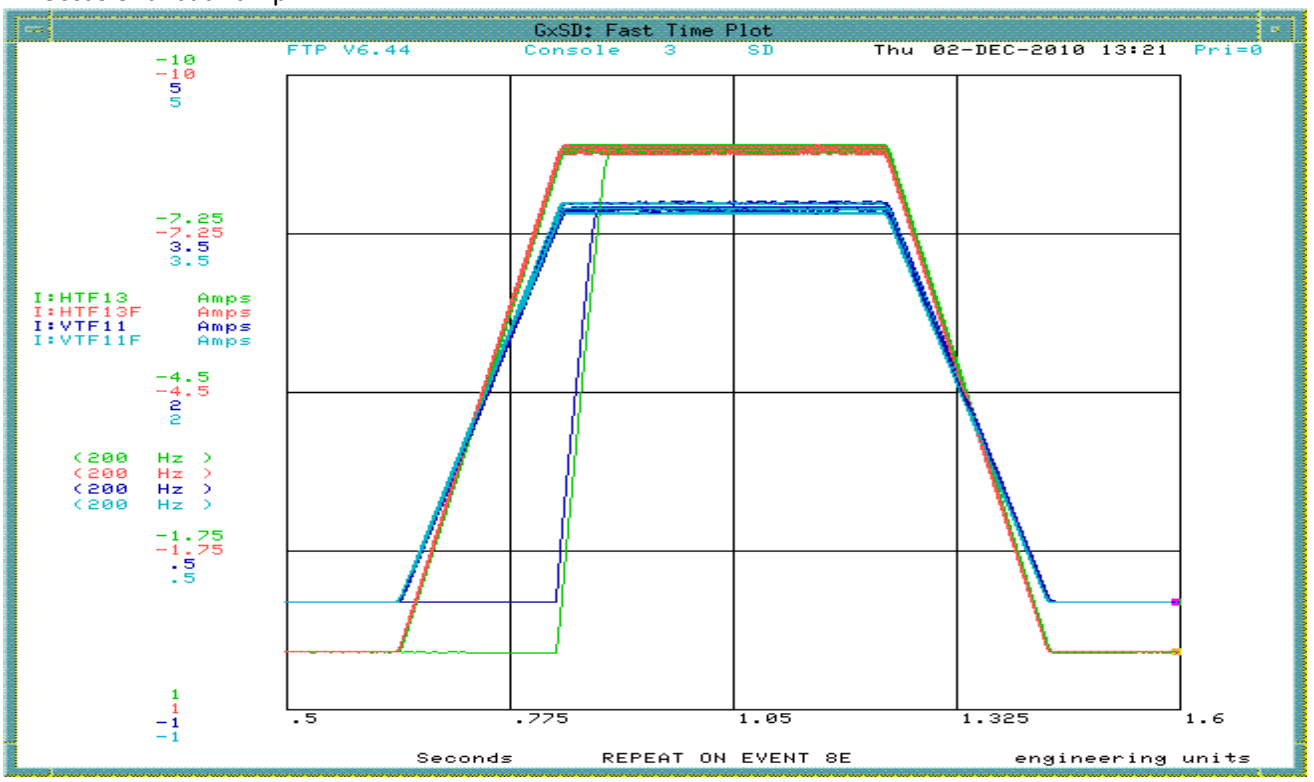
No errant settings going out



Supplies occasionally not following reference



An occasional bad ramp



All P2 trims not following reference