

2011-08-16 Tuesday Morning Notes

Tuesday, August 16, 2011

8:11 AM

Numbers

- Stacking
 - Pbars stacked: 185.56 E10
 - Time stacking: 18.23 Hr
 - Average stacking rate: 10.18 E10/Hr

- Uptime
 - Number of pulses while in stacking mode: 16986
 - Number of pulses with beam: 15455
 - Fraction of up pulses was: 90.99%

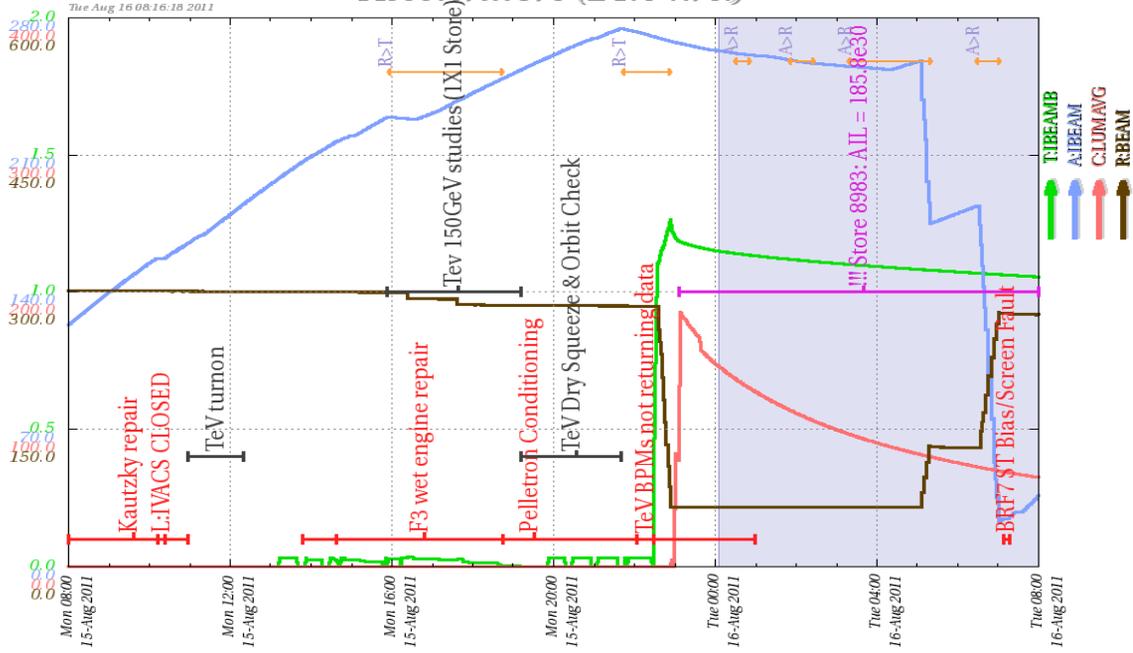
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 16.59 Hr
 - Possible average stacking rate: 11.19 E10/Hr
 - Could have stacked: 203.95 E10/Hr

- Recycler Transfers
 - Pbars sent to the Recycler: 248.35 E10
 - Number of transfers : 12
 - Number of transfer sets: 2
 - Average Number of transfer per set: 6.00
 - Time taken to shoot including reverse proton tuneup: 00.04 Hr
 - Transfer efficiency: 88.19%

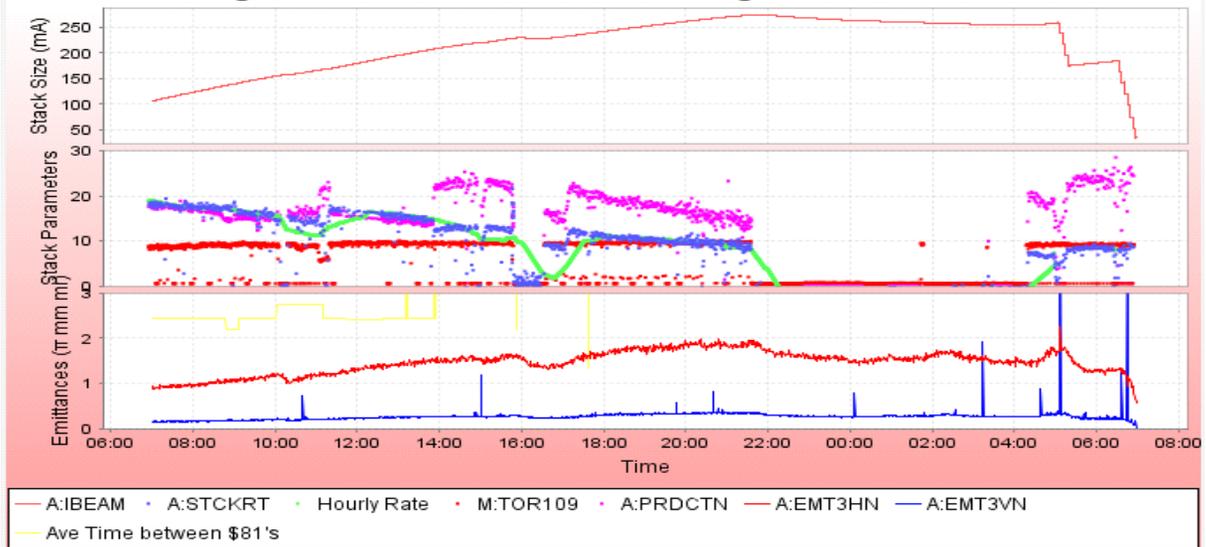
- Other Info
 - Average POT : 7.13 E12
 - Average production: 16.84 pbars/E6 protons

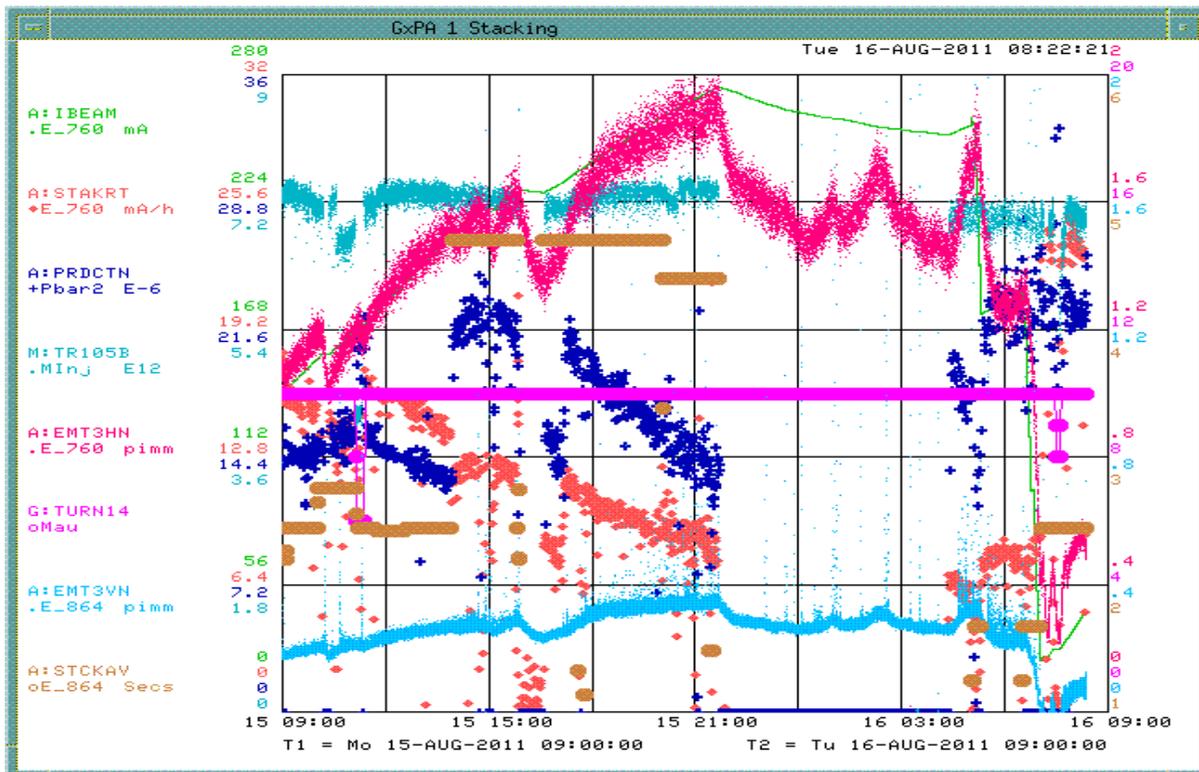
Plots

Accelerators (24.0 hrs.)

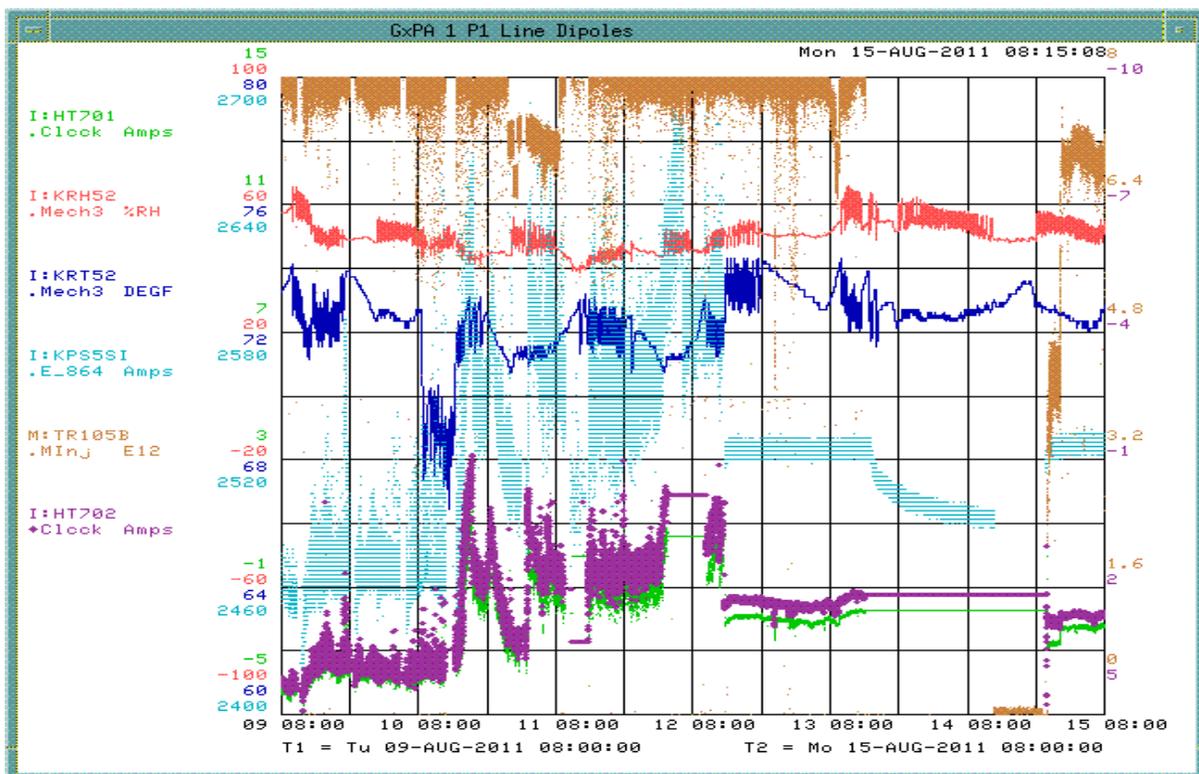


Mon Aug 15 07:00:00 CDT 2011 -- Tue Aug 16 07:00:00 CDT 2011

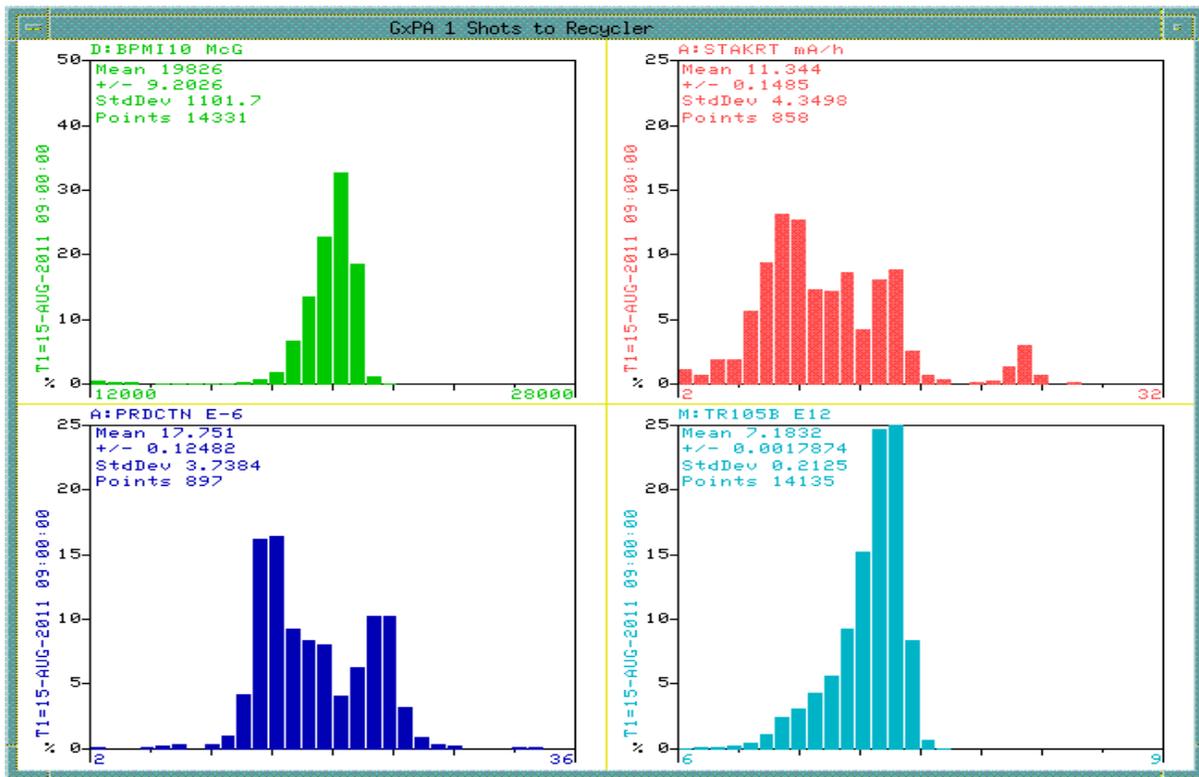




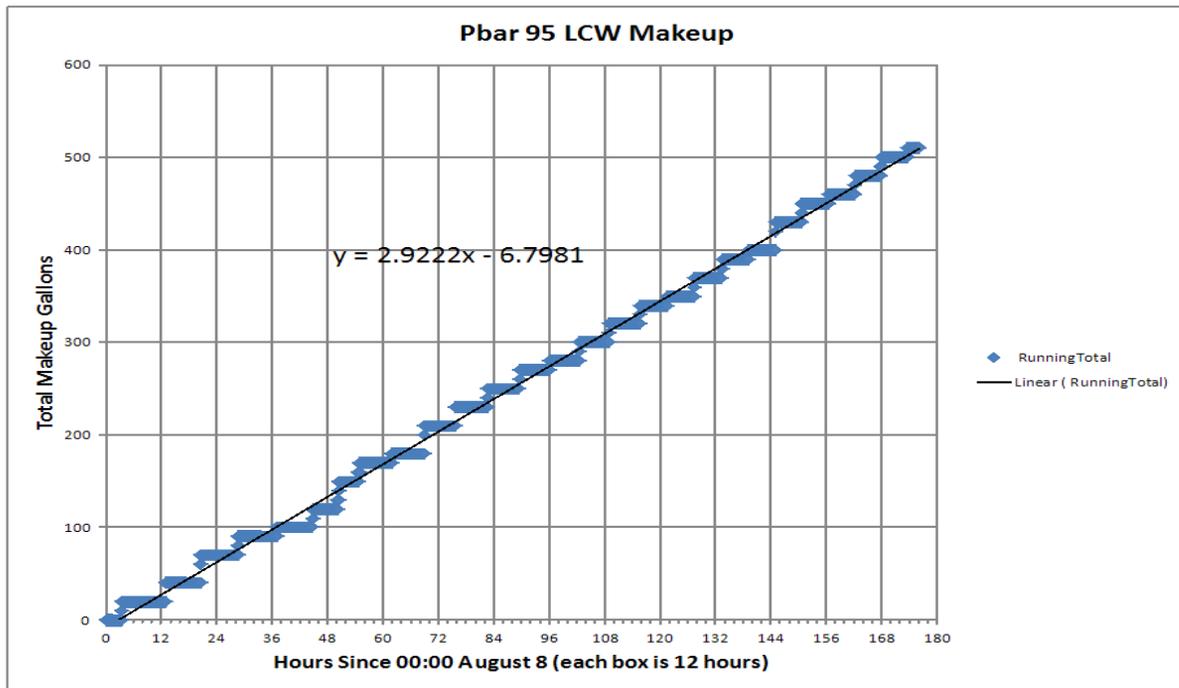
Maxed out with an ~274mA stack



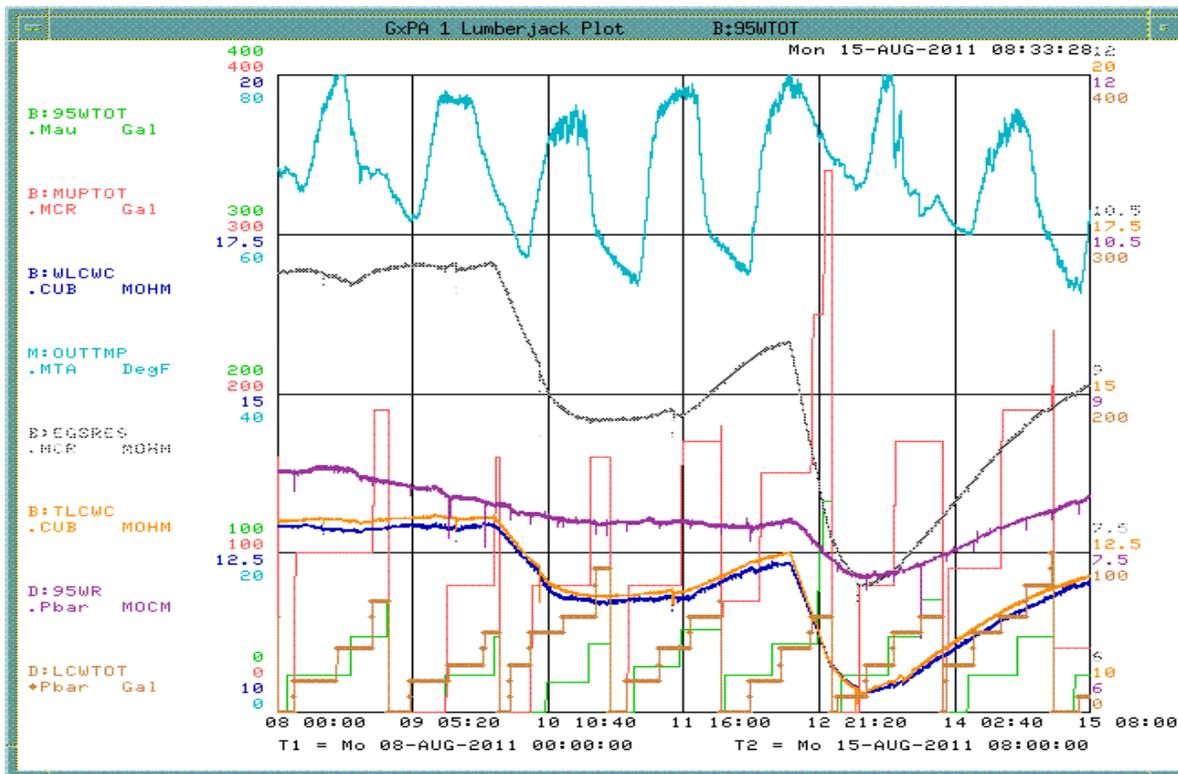
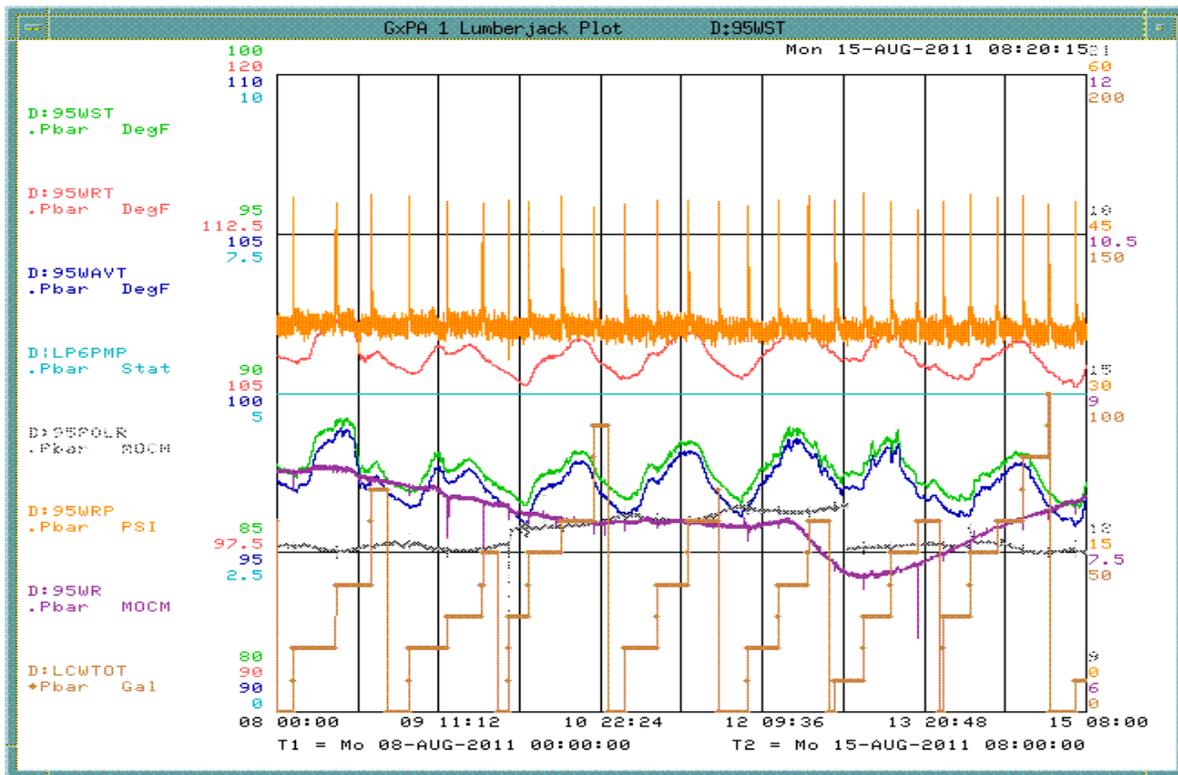
MI-52 kicker output constant after Glassman HVPS change

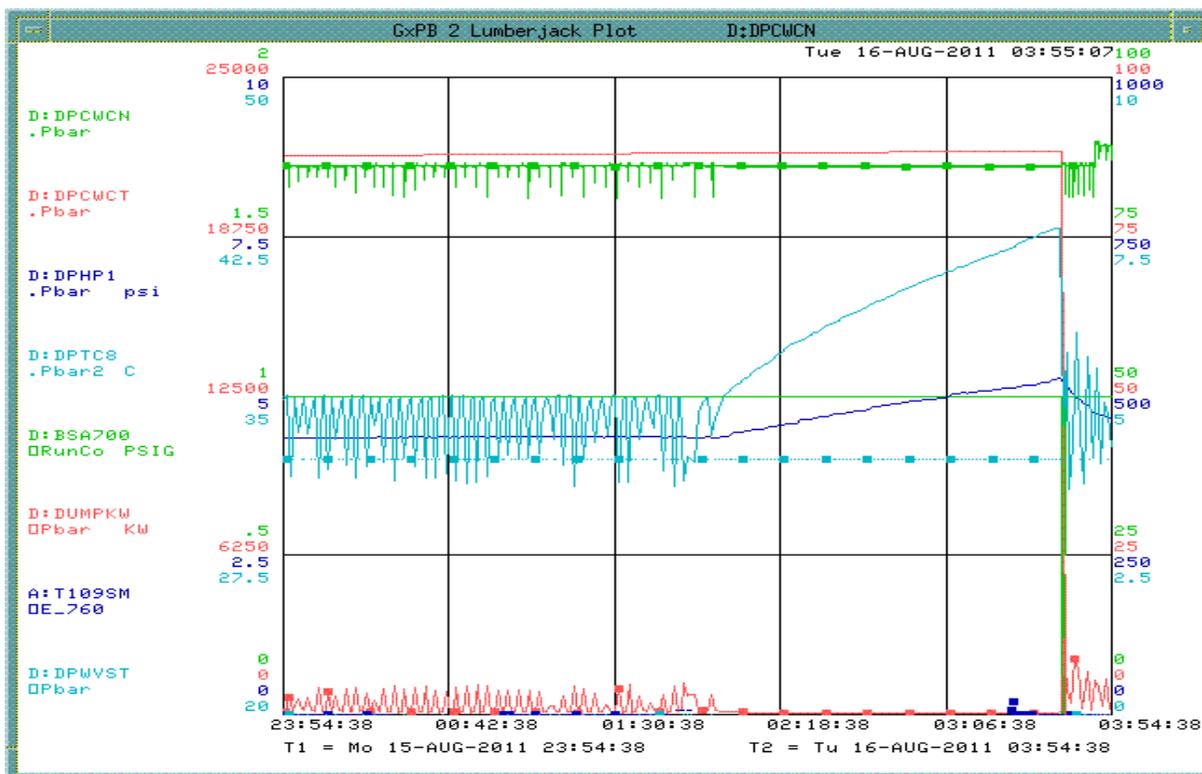
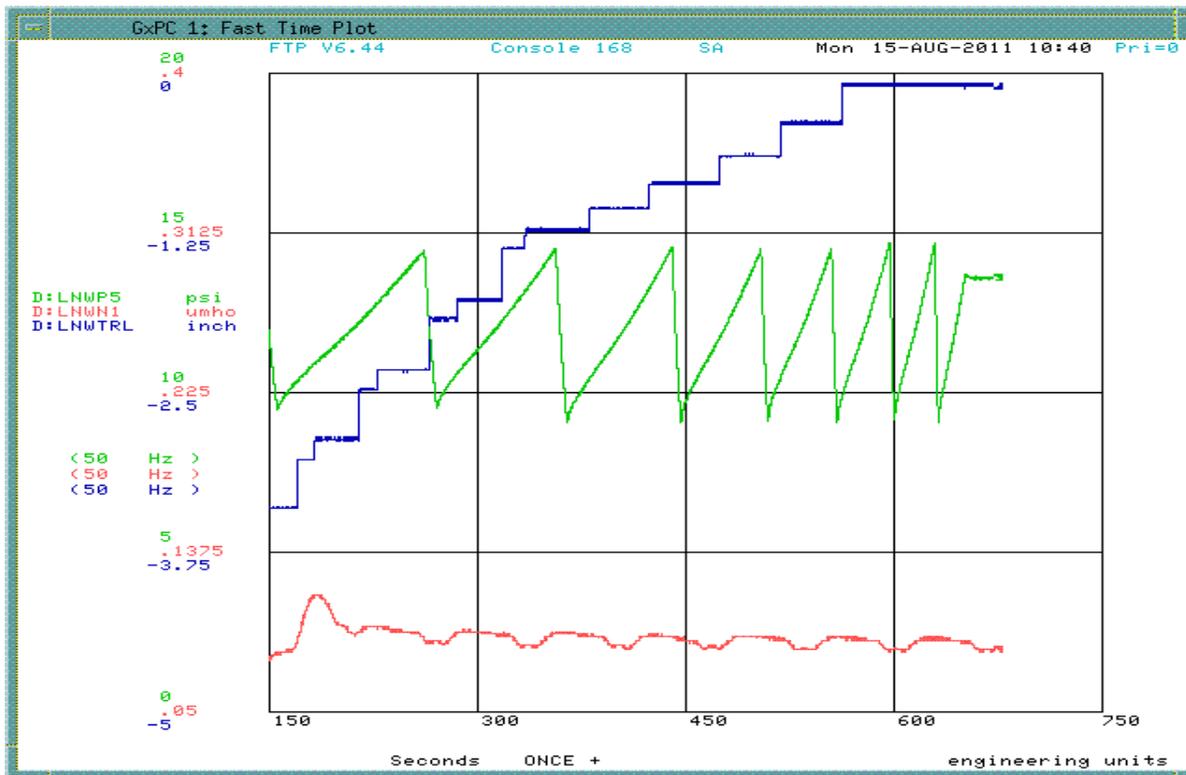


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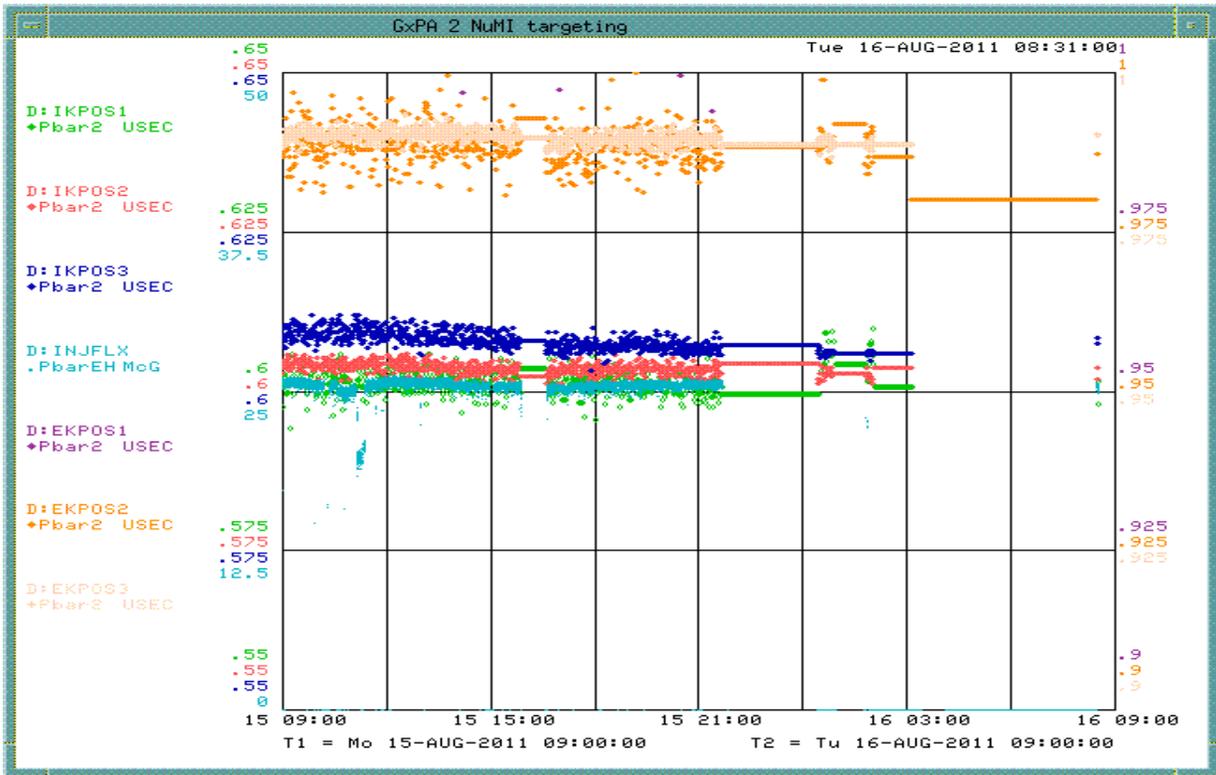


Pbar 95 LCW leak rate remains 70gal/day





APO chilled water ACL script failed and dump water temp climbed. ACL script restarted.



D:IKIK timing, D:EKIK timing and Flux Capacitor parameters stopped updating after AP1001 reboot. A restart of DCE11 fixed the problem.



Two big stack transfers.

Column 1 Number_0 Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number_2 0_A:BEAM B sampled on \$91 (A:BEAM7 ,E10	Column 22 Number_2 1_A:BEAM B sampled on \$94 (A:BEAM9 ,E10	Unstacked (mA)	Column 23 Number_2 2_R:BEAM S (R:BEAMED [0]) pre xfer E10	Column 24 Number_2 3_R:BEAM (R:BEAMED [1]) post xfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Transf ers	Sets	Column 5 Number_4 Acc Horizontal Emittance	Column 6 Number_5 Acc Vertical Emittance	Column 8 Number_7 Acc Longitudin al Emittance
Totals =>				248.48		221.21		89.02%	93.96%	93.45%	87.81%	11	2	13.261	2.195	1.373
Daily Average =>				248.48		221.21						11	2			

26135	Tuesday, August 16, 2011	6:33	184.11	22.31	164.76	130.16	277.89	151.82	92.15%	95.84%	95.58%	91.61%	7	1	9.6	1.387	1.496
26134	Tuesday, August 16, 2011	5:06	257.98	174.89	83.73	64.70	132.15	69.39	82.88%	90.26%	89.27%	80.57%	4	1	16.922	3.003	1.25