

2011-05-24 Tuesday Morning Notes

Tuesday, May 24, 2011
7:49 AM

Stacking and Transfers

Operational Notes

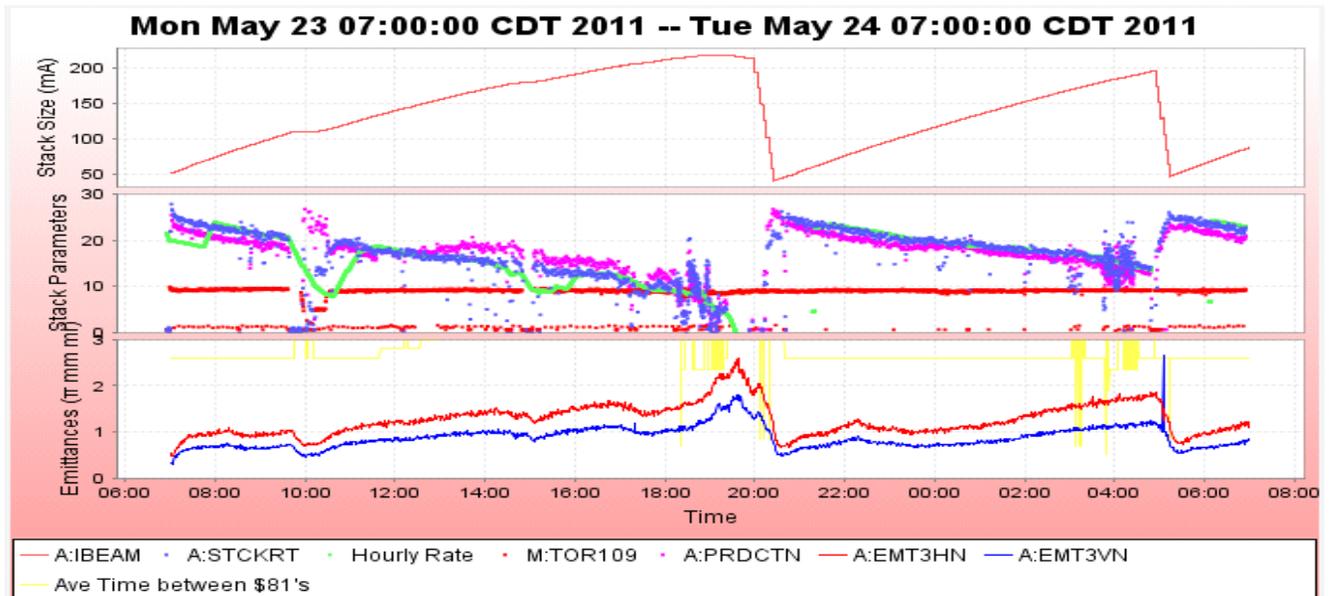
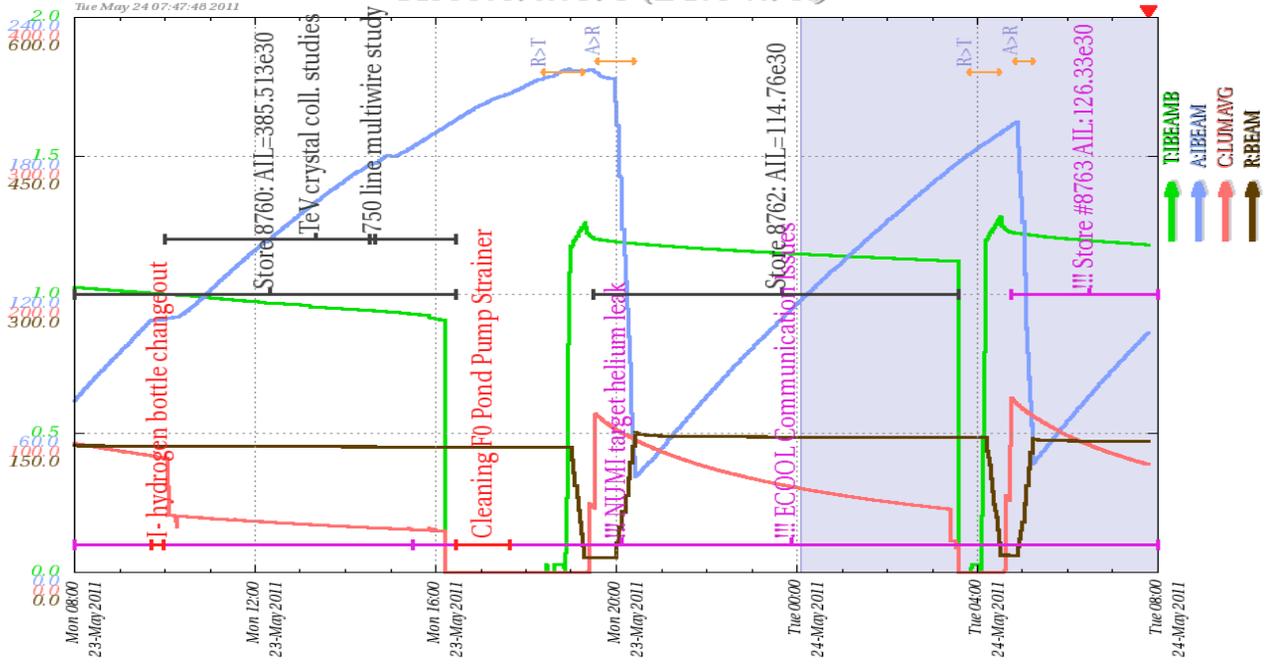
- Ecool is broken, so we have big stacks

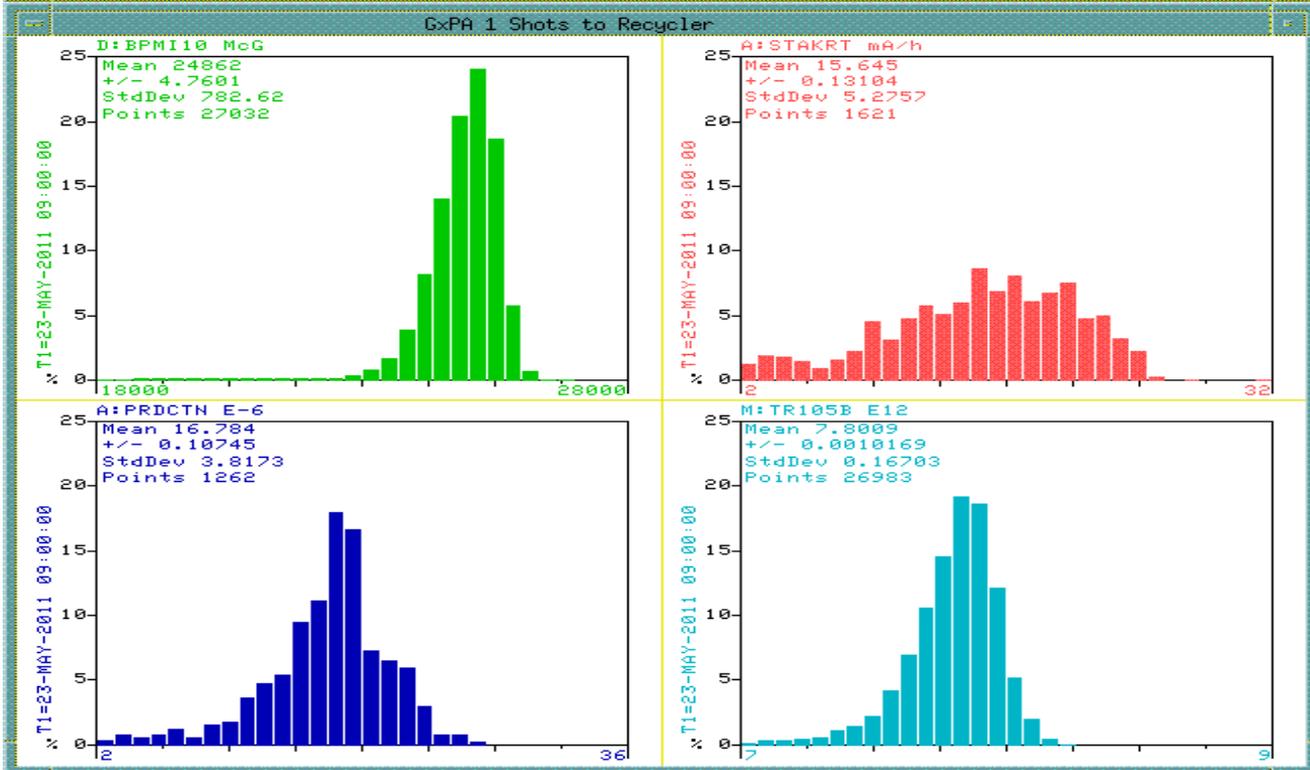
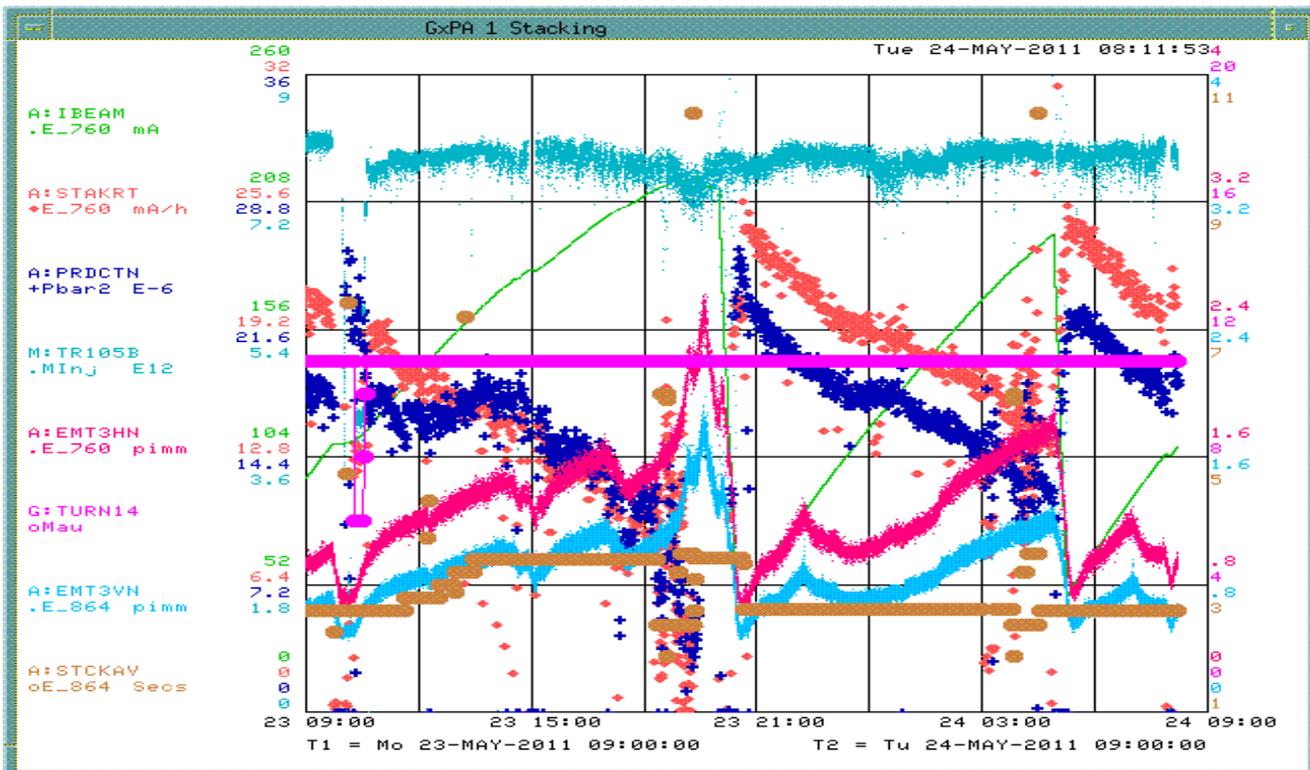
Numbers

- Stacking
 - Pbars stacked: 406.59 E10
 - Time stacking: 23.47 Hr
 - Average stacking rate: 17.32 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 29860
 - Number of pulses with beam: 28440
 - Fraction of up pulses was: 95.24%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 22.35 Hr
 - Possible average stacking rate: 18.19 E10/Hr
 - Could have stacked: 426.89 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 323.52 E10
 - Number of transfers : 15
 - Number of transfer sets: 2
 - Average Number of transfer per set: 7.50
 - Time taken to shoot including reverse proton tuneup: 00.05 Hr
 - Transfer efficiency: 83.11%
- Other Info
 - Average POT : 7.76 E12
 - Average production: 18.43 pbars/E6 protons

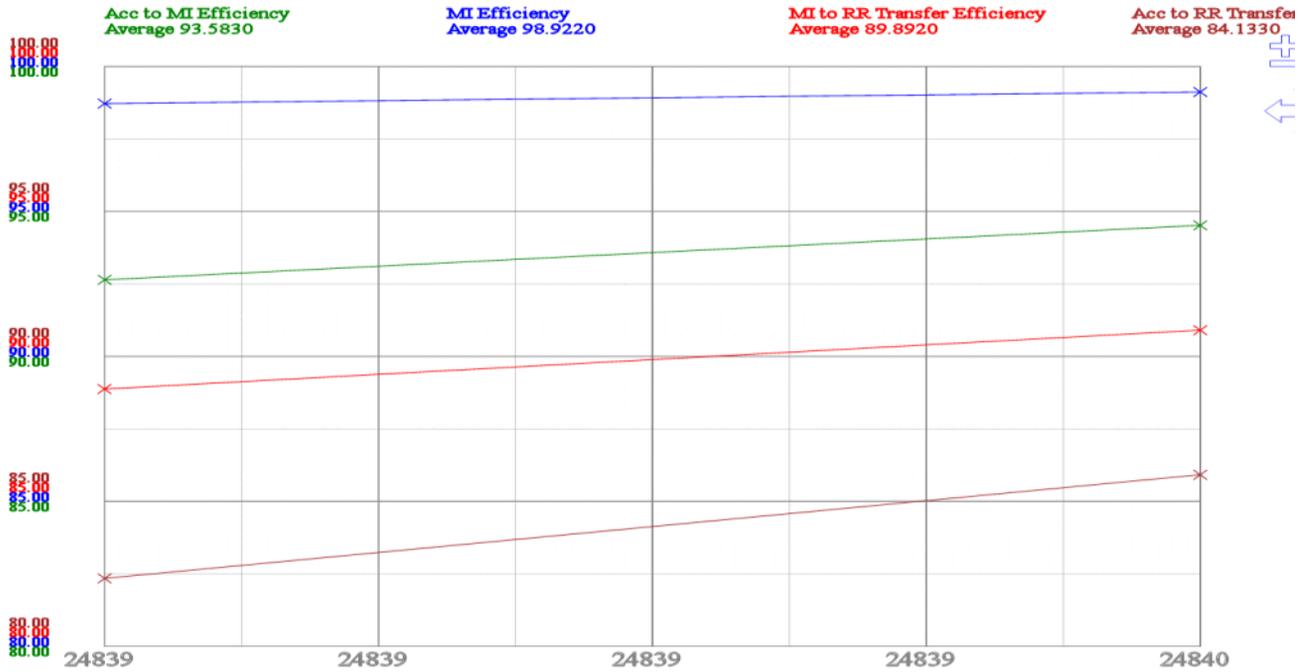
Plots

Accelerators (24.0 hrs.)





Acc->Rec Table Plotter



Column 1 Number _0_Pba r Transfe r Shot #	Column 4 Number_3 _Transfer Time	Column 21 Number _20_A:1 BEAM B sample d on \$91 (A:BEA	Column 22 Number _21_A:1 BEAM B sample d on \$94 (A:BEA	Unstacked (mA)	Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre zfer E10	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post zfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Tran sfer s	Sets	Column 5 Number _4_Acc Horizontal Emittan ce	Column 6 Number _5_Acc Vertical Emittan ce	Column 8 Number _7_Acc Longitu dinal Emittan ce	
Totals =>				323.95			271.89	83.93%	93.47%	92.42%	86.39%	15	2	14.863	9.908	1.452	
Daily Average =>				323.95			271.89					15	2				
24840	Tuesday, May 24, 2011	4:54	194.83	46.93	151.42	18.56	144.64	130.02	85.87%	94.51%	93.66%	88.52%	7	1	14.367	9.24	1.481
24839	Monday, May 23, 2011	19:59	213.39	41.34	172.53	15.93	151.47	141.87	82.23%	92.55%	91.34%	84.54%	8	1	15.358	10.575	1.423