

2011-07-13 Wednesday Morning Notes

Wednesday, July 13, 2011
7:52 AM

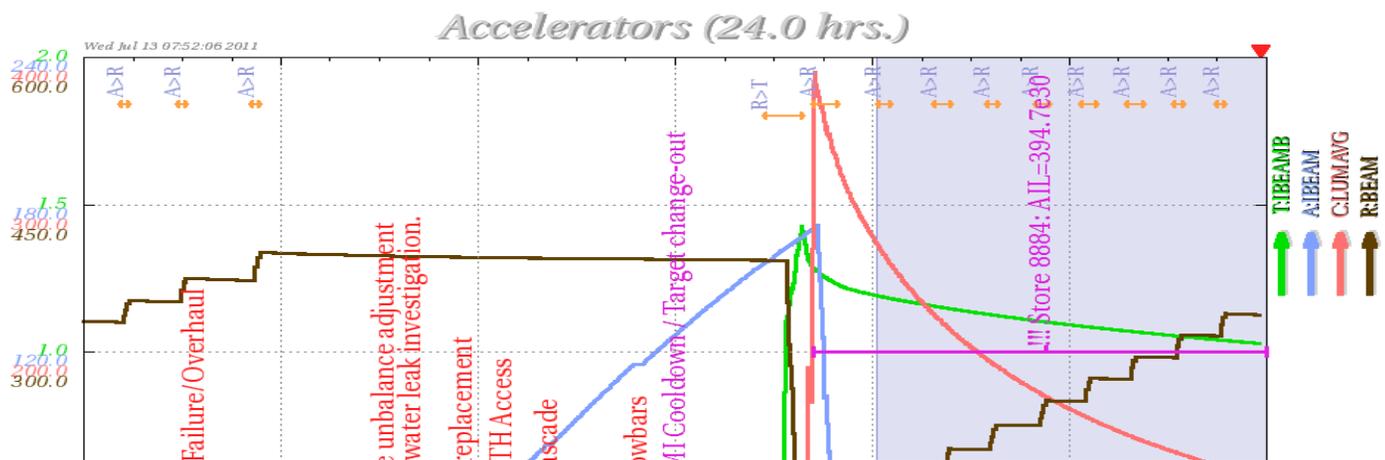
Operational Notes:

- LCW leak is holding steady at 100gal/day

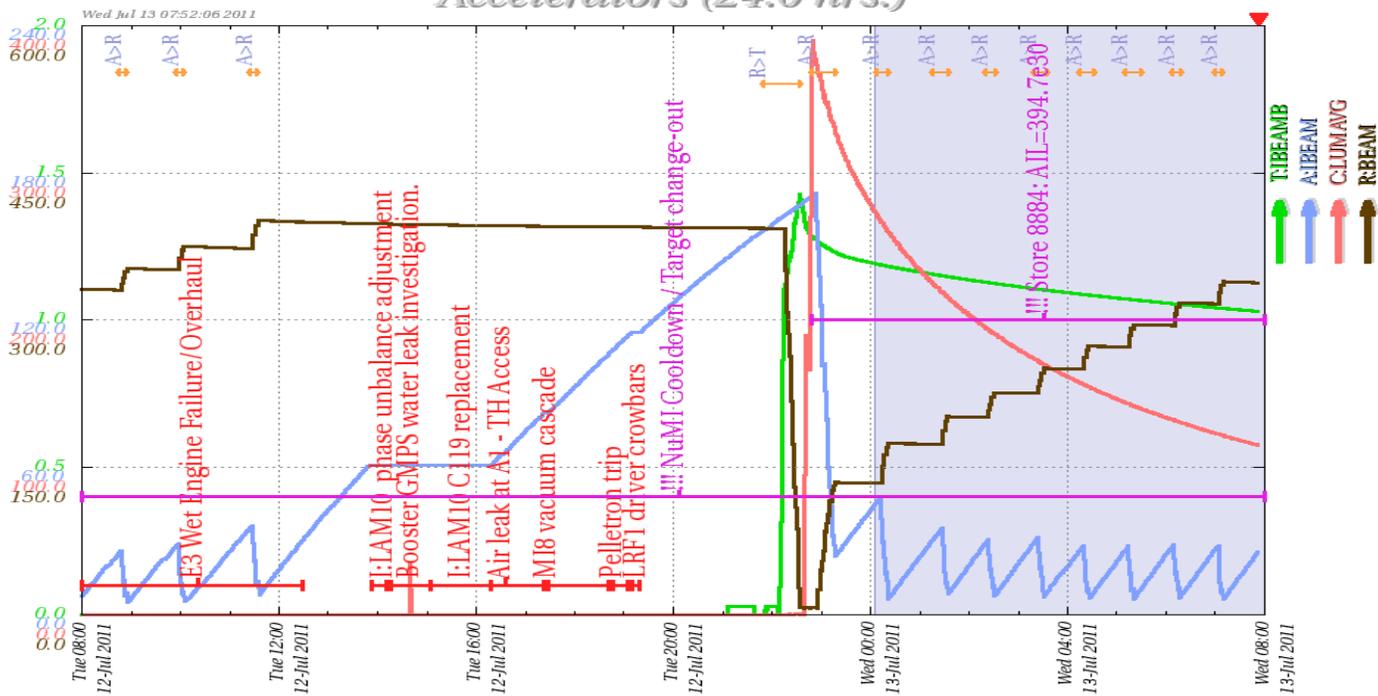
Numbers

- Stacking
 - Pbars stacked: 487.93 E10
 - Time stacking: 21.47 Hr
 - Average stacking rate: 22.73 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 29552
 - Number of pulses with beam: 27515
 - Fraction of up pulses was: 93.11%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 19.99 Hr
 - Possible average stacking rate: 24.41 E10/Hr
 - Could have stacked: 524.05 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 460.09 E10
 - Number of transfers : 42
 - Number of transfer sets: 13
 - Average Number of transfer per set: 3.23
 - Time taken to shoot including reverse proton tuneup: 00.15 Hr
 - Transfer efficiency: 91.65%
- Other Info
 - Average POT : 8.24 E12
 - Average production: 21.52 pbars/E6 protons

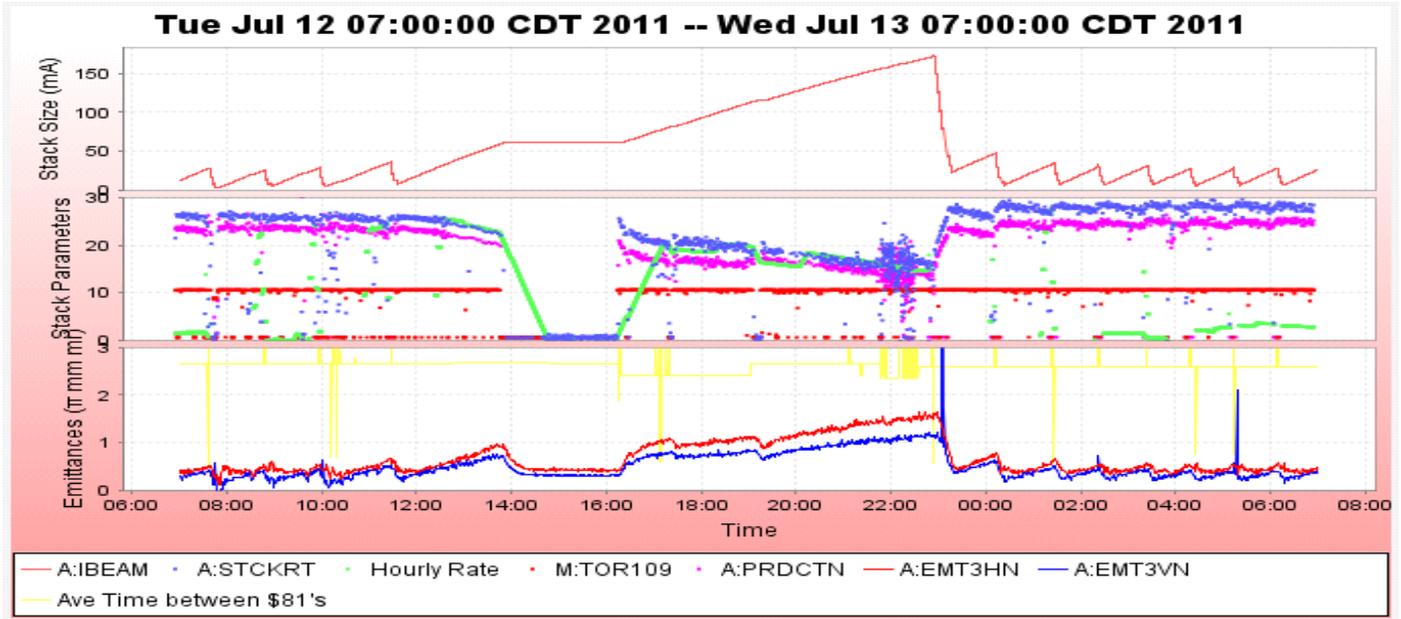
Plots

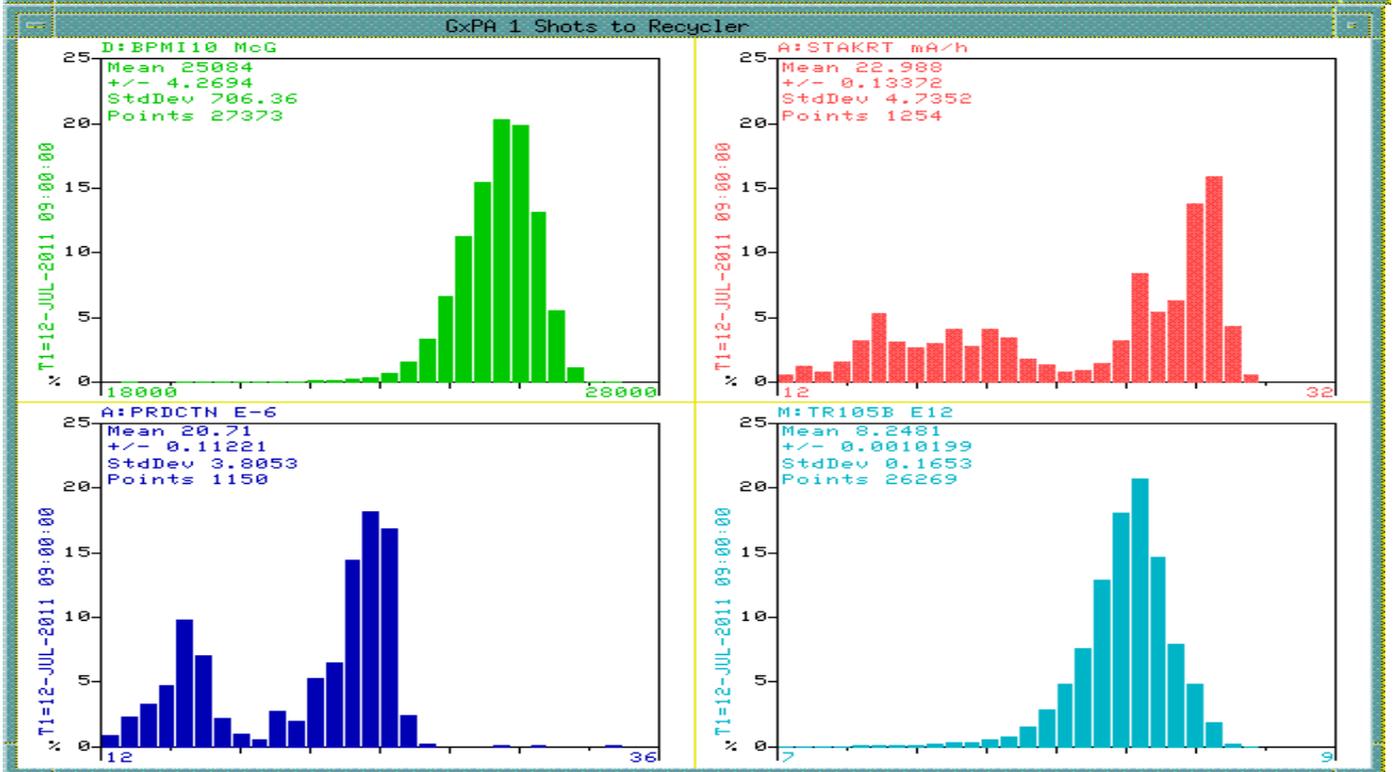
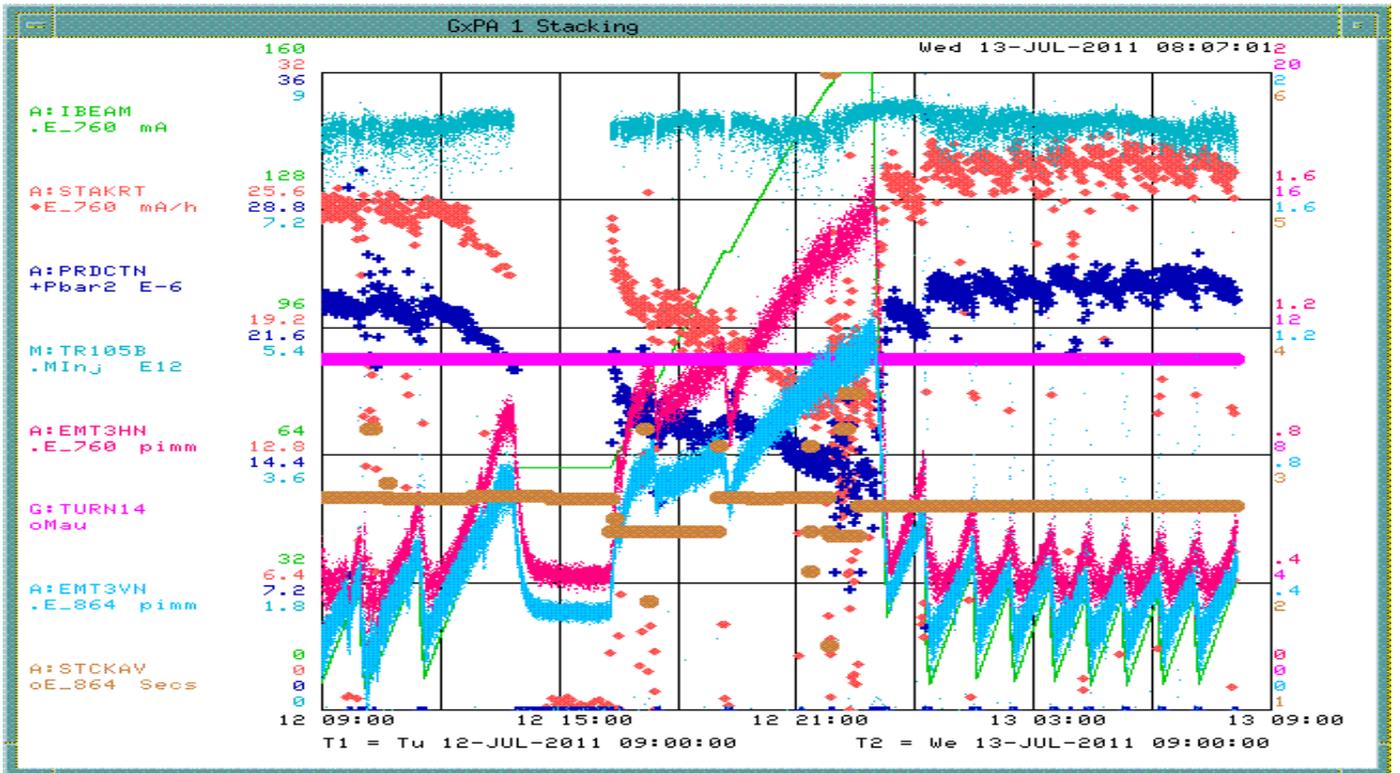


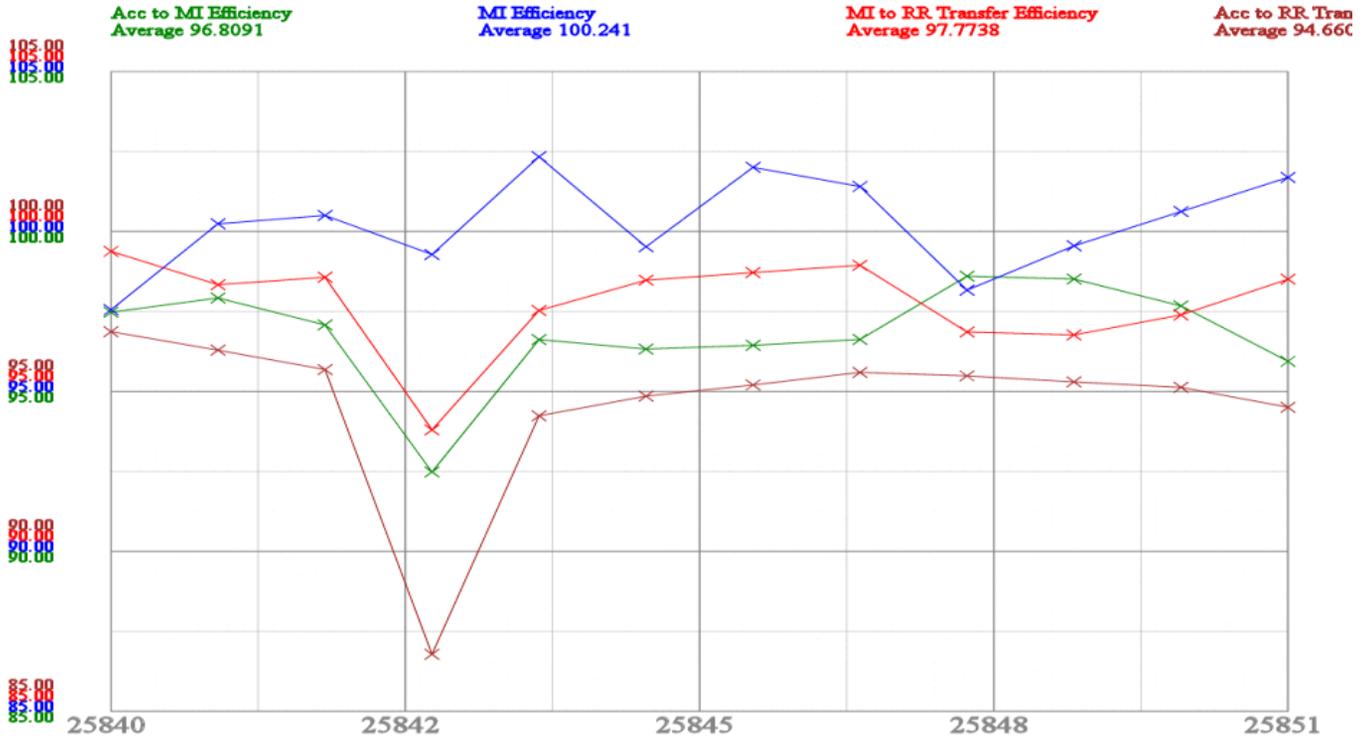
Accelerators (24.0 hrs.)



Tue Jul 12 07:00:00 CDT 2011 -- Wed Jul 13 07:00:00 CDT 2011







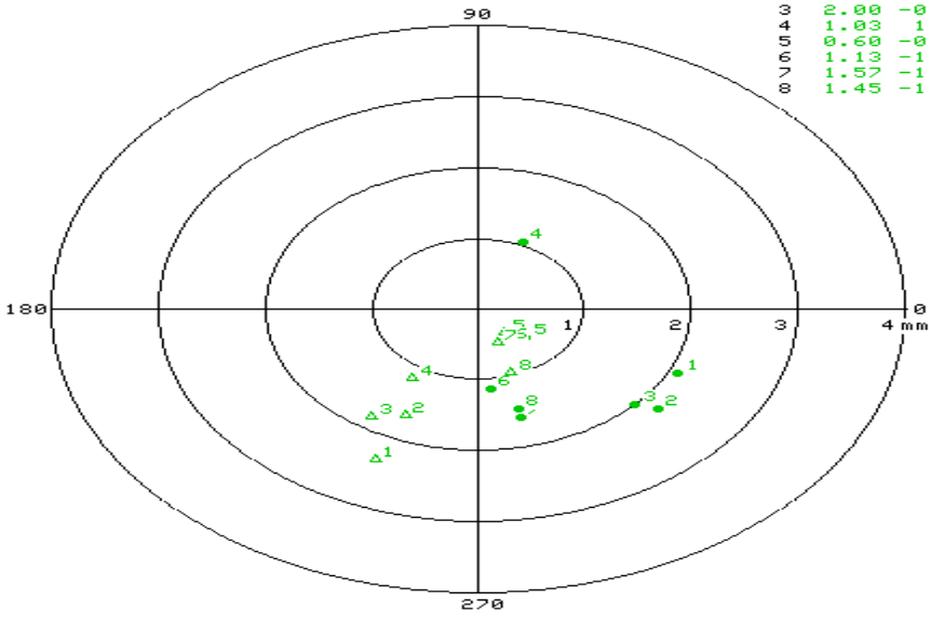
Column 1 Number 0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10	Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R:B EAMS (R:BEA ME0[0]) pre ffer E10	Column 24 Number _23_R:B EAM (R:BEA ME0[1]) post fer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number_ 4_Acc Horizont al Emittanc e	Column 6 Number_ 5_Acc Vertical Emittanc e	Column 8 Number _7_Acc Longitu dinal Emittanc e	
Totals =>				461.25			424.59	92.05%	95.34%	95.24%	90.80%	42	12	5.2119	3.7853	1.9736	
Daily Average =>				461.25			424.59					42	12				
25851	Wednesday, July 13, 2011	7:03	28.44	6.43	24.38	316.77	339.49	23.09	94.71%	96.21%	97.12%	93.44%	3	1	4.31	3.22	2.02
25850	Wednesday, July 13, 2011	6:09	29.05	6.70	24.77	294.71	317.98	23.60	95.28%	97.66%	98.19%	95.89%	3	1	4.739	3.252	2.008
25849	Wednesday, July 13, 2011	5:14	28.19	6.43	24.15	272.93	295.66	23.06	95.50%	98.02%	97.94%	96.00%	3	1	4.389	3.134	2.004
25848	Wednesday, July 13, 2011	4:19	28.43	6.36	24.43	250.46	273.63	23.38	95.69%	98.20%	96.74%	95.00%	3	1	4.499	2.963	1.996
25847	Wednesday, July 13, 2011	3:24	31.86	7.30	26.95	225.57	251.07	25.79	95.67%	96.78%	97.33%	94.19%	3	1	4.783	3.728	1.995
25846	Wednesday, July 13, 2011	2:24	30.85	7.17	26.13	201.53	226.18	24.92	95.35%	96.66%	98.15%	94.87%	3	1	4.364	3.431	2.012
25845	Wednesday, July 13, 2011	1:27	35.56	8.04	29.89	174.04	202.01	28.34	94.81%	96.47%	96.08%	92.69%	3	1	5.301	4.004	1.986
25844	Wednesday, July 13, 2011	0:13	48.19	6.59	44.46	133.85	174.74	41.62	93.62%	96.45%	97.68%	94.21%	4	1	5.397	3.706	1.96
25843	Tuesday, July 12, 2011	22:54	172.05	23.24	155.32	6.94	135.48	133.15	85.73%	91.86%	91.14%	83.72%	8	1	11.247	8.227	1.701
25842	Tuesday, July 12, 2011	11:27	36.87	8.14	31.40	372.95	402.18	29.92	95.27%	96.65%	97.19%	93.94%	3	1	5.441	3.868	2.01
25841	Tuesday, July 12, 2011	9:57	29.30	5.39	25.86	351.15	375.61	24.90	96.30%	97.99%	97.78%	95.81%	3	1	3.999	3.032	1.986
25840	Tuesday, July 12, 2011	8:48	26.18	5.26	23.51	330.64	352.99	22.82	97.06%	97.90%	96.21%	94.19%	3	1	4.074	2.859	2.005

Bullseye Re-play

13-JUL-2011 00:13:43

Pbar ACC->MI line 52
 H ● V Δ

#	ampl	HORZ phas	rms	ampl	VERT phas	rms
1	2.08	-0.45	0.05	2.33	-2.00	0.06
2	2.18	-0.70	0.04	1.66	-2.01	0.06
3	2.00	-0.74	0.03	1.83	-2.15	0.06
4	1.03	1.15	0.03	1.16	-2.13	0.07
5	0.60	-0.74	0.03	0.42	-0.95	0.04
6	1.13	-1.47	0.03	0.53	-1.06	0.04
7	1.57	-1.31	0.05	0.50	-1.22	0.04
8	1.45	-1.31	0.03	0.95	-1.24	0.07



#	CLK	DAQ-Time	Sent?	H	V
1	94	13-JUL 00:13:43	Y	Y	
2	94	13-JUL 01:27:53	Y	Y	
3	94	13-JUL 02:24:16	Y	Y	
4	94	13-JUL 03:25:01	Y	Y	
5	94	13-JUL 04:19:53	Y	Y	
6	94	13-JUL 05:14:32	Y	Y	
7	94	13-JUL 06:10:06	Y	Y	
8	94	13-JUL 07:06:45	Y	Y	