

2011-06-21 Tuesday Morning Notes

Tuesday, June 21, 2011

8:24 AM

Numbers

- Stacking
 - Pbars stacked: 523.07 E10
 - Time stacking: 21.99 Hr
 - Average stacking rate: 23.78 E10/Hr

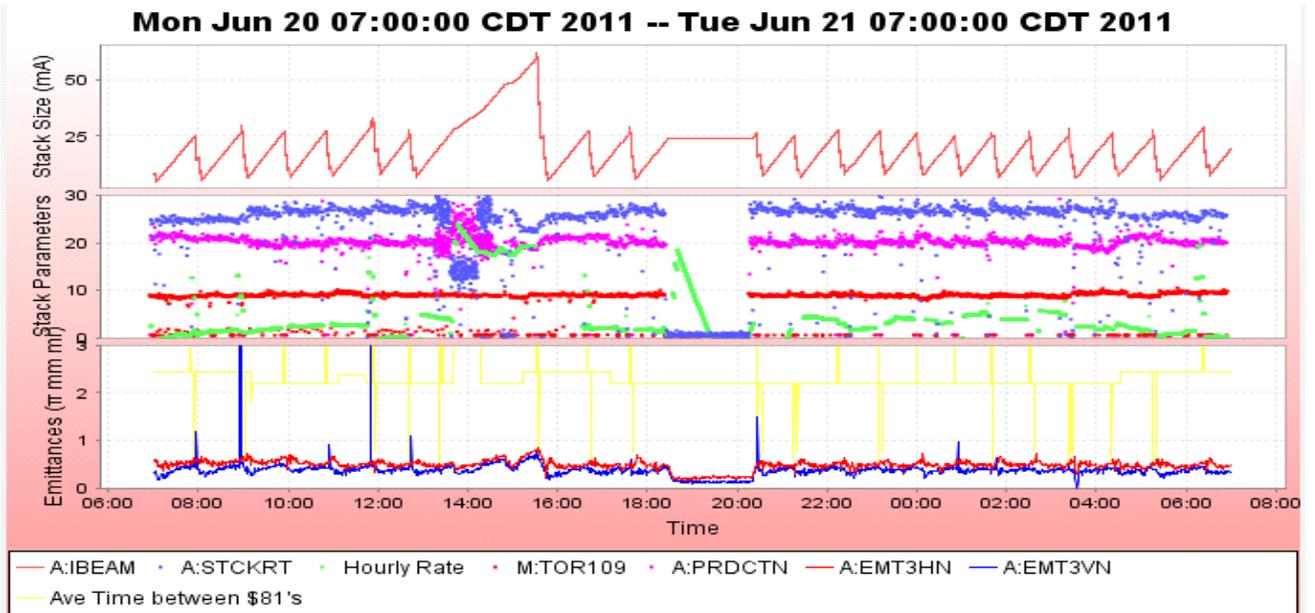
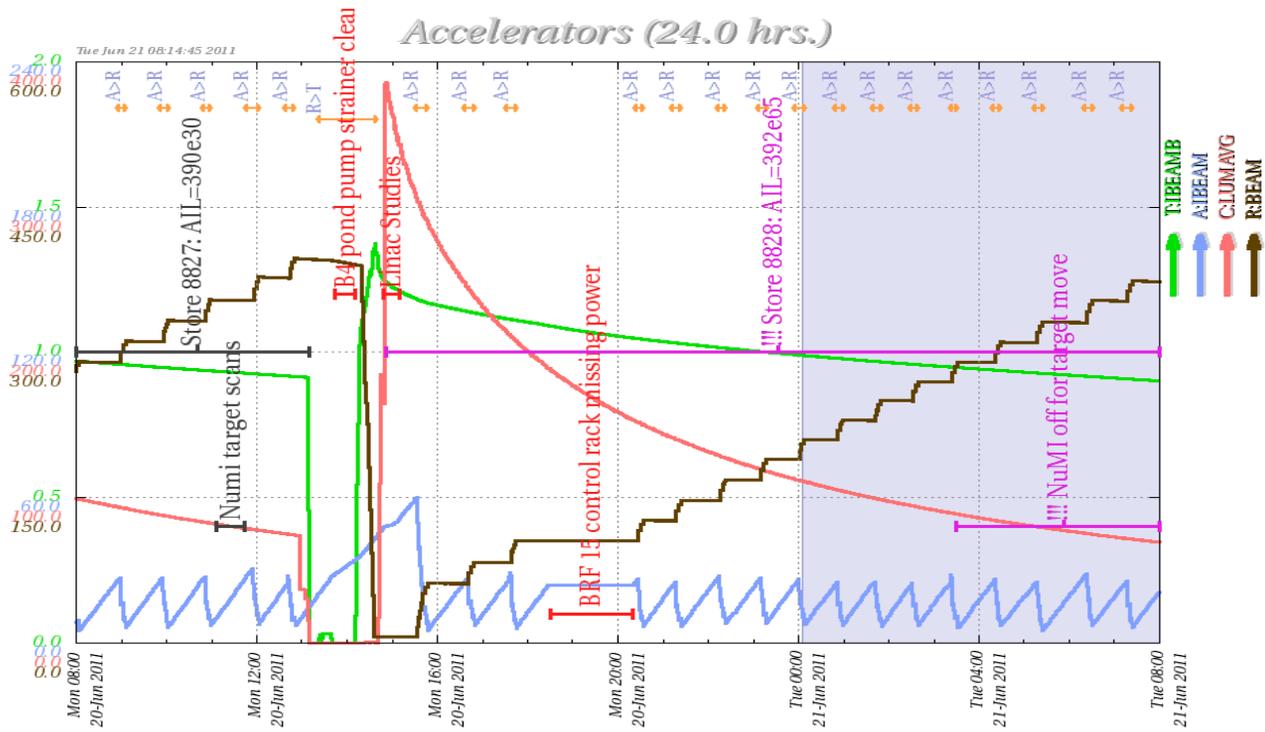
- Uptime
 - Number of pulses while in stacking mode: 33992
 - Number of pulses with beam: 32434
 - Fraction of up pulses was: 95.42%

- The uptime's effect on the stacking numbers
 - Corrected time stacking: 20.99 Hr
 - Possible average stacking rate: 24.92 E10/Hr
 - Could have stacked: 548.20 E10/Hr

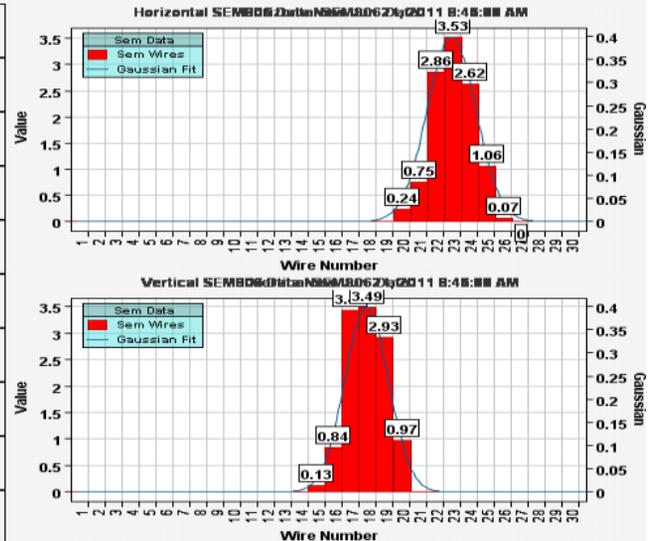
- Recycler Transfers
 - Pbars sent to the Recycler: 514.84 E10
 - Number of transfers : 66
 - Number of transfer sets: 22
 - Average Number of transfer per set: 3.00
 - Time taken to shoot including reverse proton tuneup: 00.23 Hr
 - Transfer efficiency: 96.10%

- Other Info
 - Average POT : 8.33 E12
 - Average production: 19.35 pbars/E6 protons

Plots



Horizontal Area New	11.12	Intensity
Horizontal Area Calc	197.24	Intensity
Horizontal Sigma New	3.54	mm
Horizontal Sigma Calc	3.34	mm
Horizontal Mean	23.96	mm
Vertical Area New	11.79	Intensity
Vertical Area Calc	203.95	Intensity
Vertical Sigma New	3.35	mm
Vertical Sigma Calc	3.15	mm
Vertical Mean	8.84	mm



TDS 3014B Home - Mozilla Firefox

http://131.225.126.160/

TDS 3014B Home

Tektronix | home | data | configure | status | control | applications | help

Home: TDS 3014B ap0-scope01 (131.225.126.160)

Tek Run | Trig'd

Ch2 High 6.80 V

Ch1 1.00 V, Ch2 2.00 V, Ch3 100mV, Ch4 1.00 V, M 1.00µs A, Ch1 860mV

19.20 %

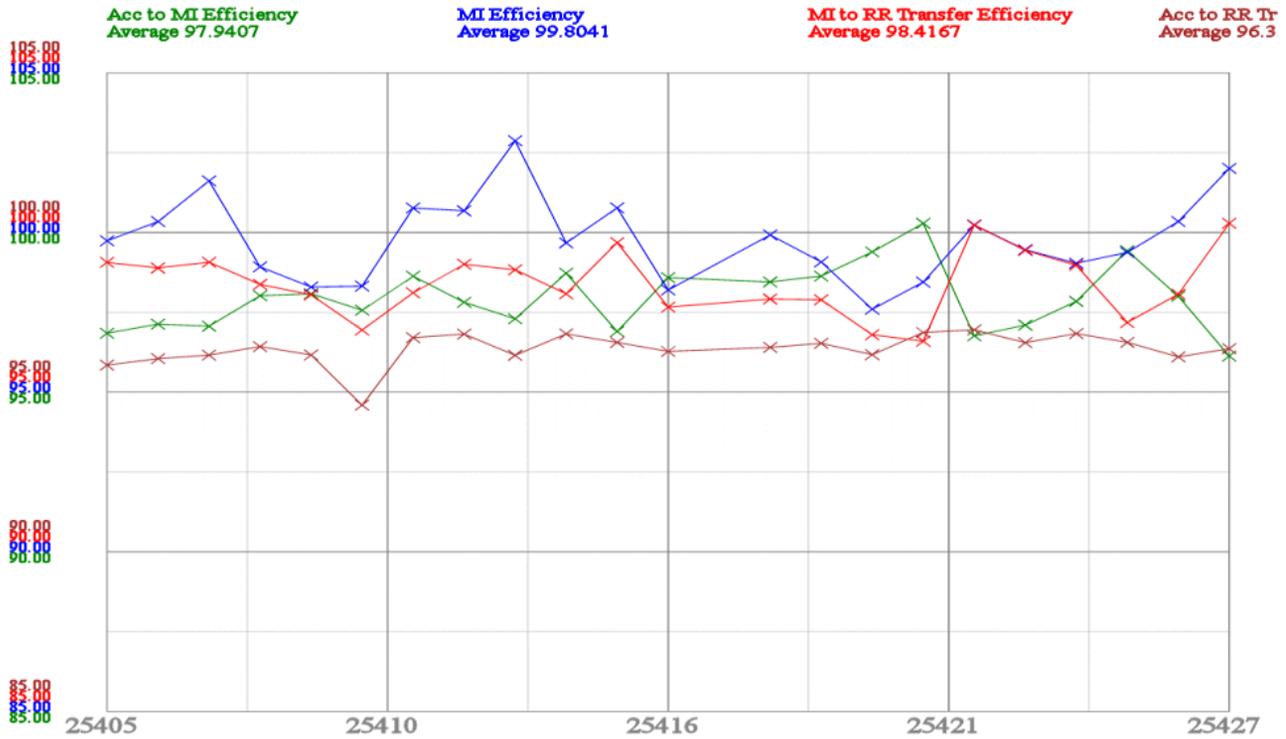
Save Current Setup | Recall Saved Setup | Recall Factory Setup | Save Waveform Ch1 | Recall waveform | File Utilities | Labels

Refresh image every 5 seconds Apply

Copyright © 2001 Tektronix, Inc.

Done

Running Sweeping A system, B system is currently off



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 ster E10	Column 24 Number_23_R:B EAM (R:BEA ME0[1]) post ster, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Transfers	Sets	Column 5 Number_4_Acc Horizontal Emittance	Column 6 Number_5_Acc Vertical Emittance	Column 8 Number_7_Acc Longitudinal Emittance	
Totals =>				510.52		490.73	96.12%	98.04%	97.64%	95.73%	65	21	4.9339	3.6725	2.0182		
Daily Average =>				510.52		490.73					65	21					
25426	Tuesday, June 21, 2011	7:16	25.81	6.29	22.09	353.02	373.99	21.30	96.42%	98.19%	98.25%	96.47%	3	1	4.694	3.439	2.037
25425	Tuesday, June 21, 2011	6:23	28.99	7.29	24.32	330.71	353.91	23.46	96.45%	98.77%	98.30%	97.09%	3	1	4.874	3.625	2.016
25424	Tuesday, June 21, 2011	5:17	25.64	5.28	22.51	310.05	331.60	21.80	96.81%	97.77%	96.81%	94.65%	3	1	4.401	3.202	1.987
25423	Tuesday, June 21, 2011	4:21	26.55	7.13	22.04	289.73	310.77	21.28	96.57%	97.19%	97.40%	94.66%	3	1	5.041	3.835	2.047
25422	Tuesday, June 21, 2011	3:24	25.99	6.49	21.88	269.33	290.32	21.19	96.81%	97.24%	97.20%	94.52%	3	1	4.576	3.567	2.036
25421	Tuesday, June 21, 2011	2:32	25.02	6.90	20.69	249.98	269.85	20.05	96.93%	100.49%	99.16%	99.65%	3	1	4.861	3.54	2.022
25420	Tuesday, June 21, 2011	1:42	25.58	6.53	21.73	229.63	250.41	20.92	96.29%	99.11%	96.93%	96.06%	3	1	4.88	3.559	2.015
25419	Tuesday, June 21, 2011	0:51	25.39	7.16	20.93	210.01	230.05	20.21	96.56%	99.16%	98.00%	97.18%	3	1	5.077	3.601	2.06
25418	Tuesday, June 21, 2011	0:00	26.75	7.41	21.95	189.35	210.38	21.15	96.37%	98.42%	98.50%	96.94%	3	1	4.654	3.444	2.033
25416	Monday, June 20, 2011	23:10	27.25	7.82	22.07	168.58	189.67	21.23	96.18%	98.30%	96.56%	94.92%	3	1	4.841	3.63	2.041
25415	Monday, June 20, 2011	22:15	28.25	7.87	22.99	146.87	168.86	22.17	96.39%	97.15%	97.71%	94.92%	3	1	5.158	3.619	1.999
25414	Monday, June 20, 2011	21:16	25.23	6.13	21.56	126.27	147.07	20.90	96.97%	99.02%	98.48%	97.51%	3	1	4.459	3.314	2.008
25413	Monday, June 20, 2011	20:26	26.70	7.05	22.27	105.07	126.42	21.45	96.34%	97.25%	99.80%	97.05%	3	1	4.954	3.595	2.032
25412	Monday, June 20, 2011	17:37	26.68	6.03	22.93	83.36	105.46	22.22	96.89%	98.32%	98.43%	96.78%	3	1	4.603	3.281	1.993
25411	Monday, June 20, 2011	16:41	27.42	6.84	23.15	61.27	83.53	22.37	96.61%	99.22%	99.08%	98.31%	3	1	4.774	3.61	2.029
25410	Monday, June 20, 2011	15:33	60.51	5.30	59.37	6.35	61.53	55.63	93.71%	97.06%	96.08%	93.26%	5	1	5.495	4.238	1.978
25409	Monday, June 20, 2011	12:43	25.72	6.60	21.83	376.74	397.27	20.95	95.99%	97.98%	96.80%	94.84%	3	1	4.852	3.794	2.031
25408	Monday, June 20, 2011	11:55	31.08	7.66	26.08	353.34	378.11	25.14	96.39%	98.03%	97.09%	95.18%	3	1	5.182	4.08	2
25407	Monday, June 20, 2011	10:51	27.62	6.85	23.35	332.28	354.49	22.47	96.20%	97.33%	97.88%	95.26%	3	1	5.119	3.84	2.01
25406	Monday, June 20, 2011	9:55	27.39	6.53	23.35	311.13	333.23	22.42	96.04%	97.34%	97.19%	94.61%	3	1	5.572	4.093	2.021
25405	Monday, June 20, 2011	8:58	27.36	6.42	23.43	289.79	311.95	22.43	95.73%	97.54%	97.51%	95.11%	3	1	5.544	4.216	1.988

Totals =>		451.15		435.10	96.44%	98.17%	97.85%	96.06%	60	20	4.9058	3.6442	2.0203
Daily Average =>		451.15		435.10					60	20			

Take out Transfer 25430, from 60mA.