

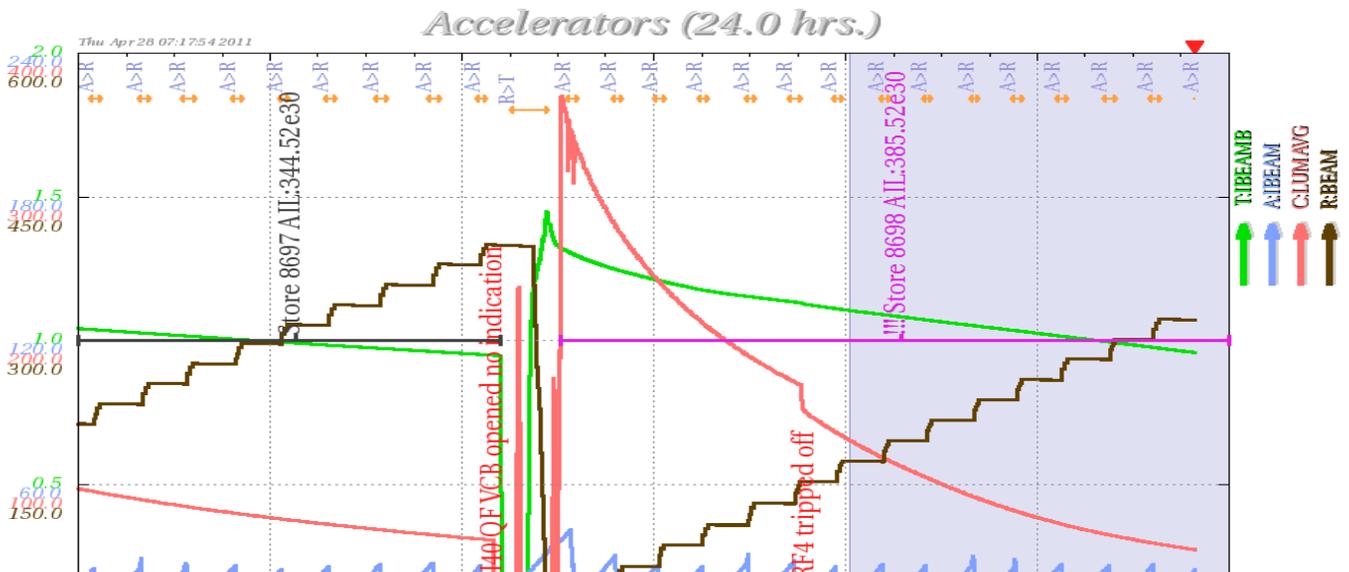
2011-04-28 Thursday Morning Notes

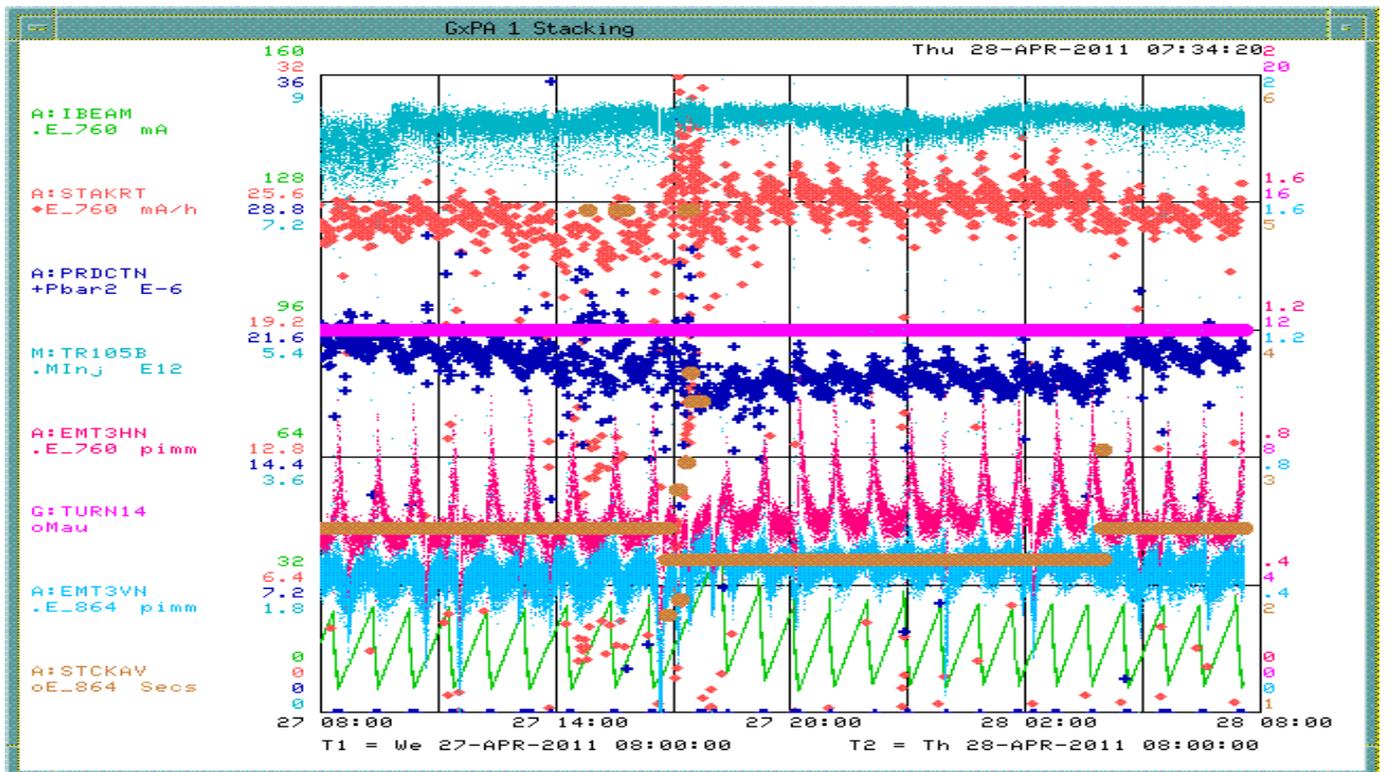
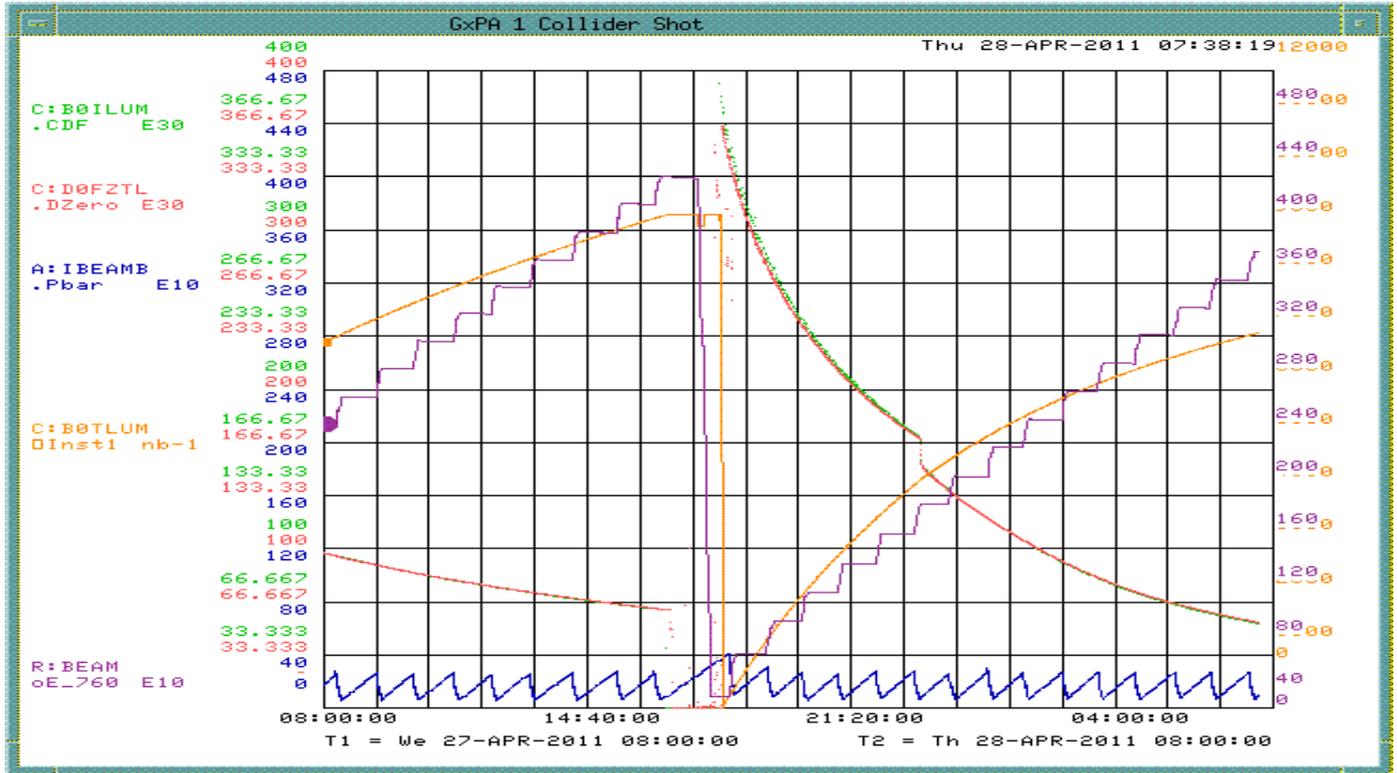
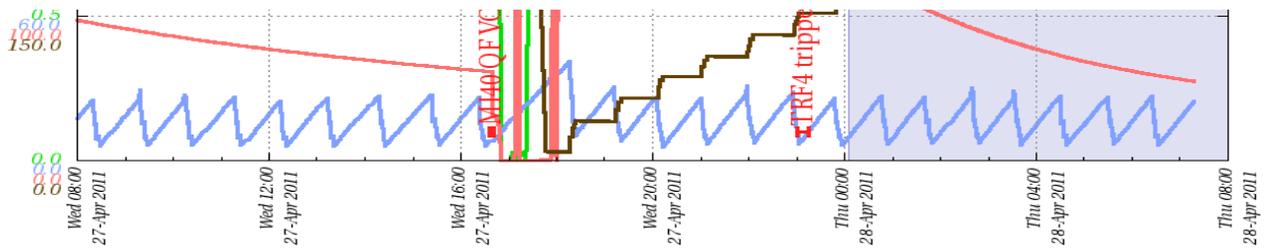
Thursday, April 28, 2011
7:18 AM

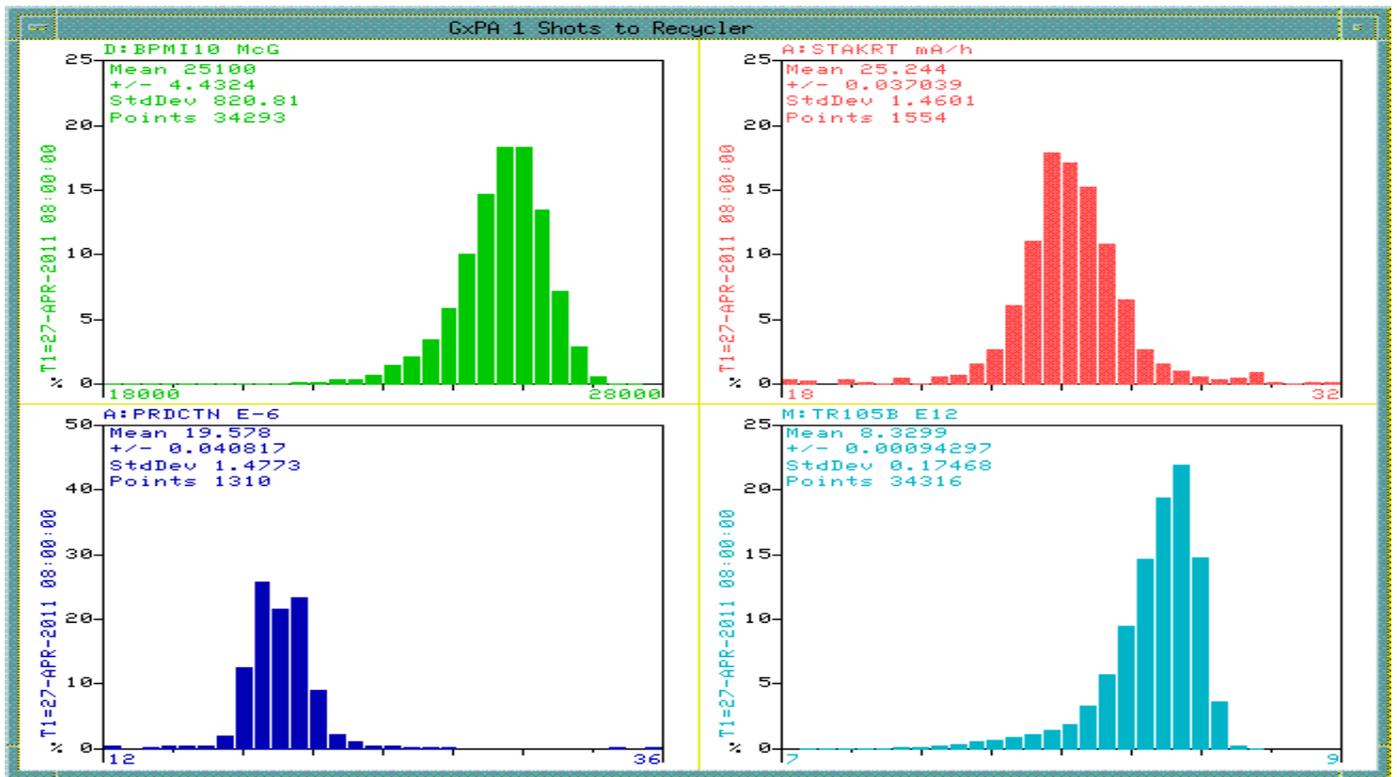
Numbers

- Stacking
 - Pbars stacked: 549.47 E10
 - Time stacking: 23.75 Hr
 - Average stacking rate: 23.13 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 36153
 - Number of pulses with beam: 35009
 - Fraction of up pulses was: 96.84%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 23.00 Hr
 - Possible average stacking rate: 23.89 E10/Hr
 - Could have stacked: 567.42 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 546.60 E10
 - Number of transfers : 71
 - Number of transfer sets: 24
 - Average Number of transfer per set: 2.96
 - Time taken to shoot including reverse proton tuneup: 00.25 Hr
 - Transfer efficiency: 95.76%
- Other Info
 - Average POT : 8.32 E12
 - Average production: 18.87 pbars/E6 protons

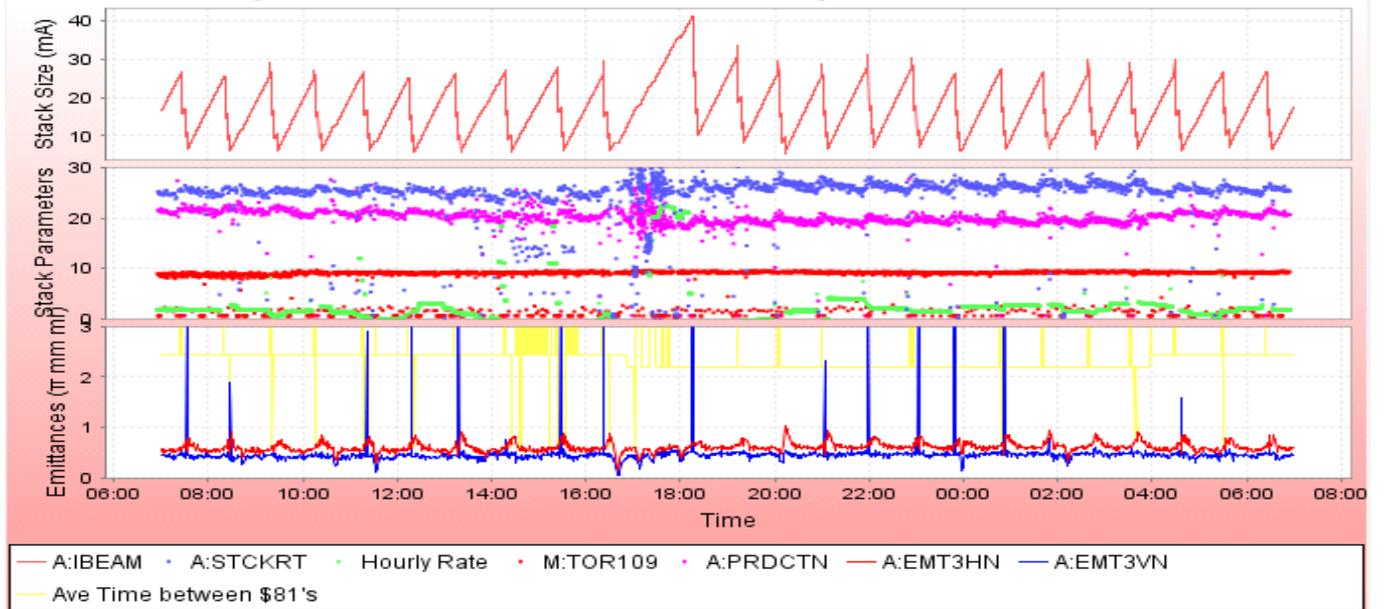
Plots

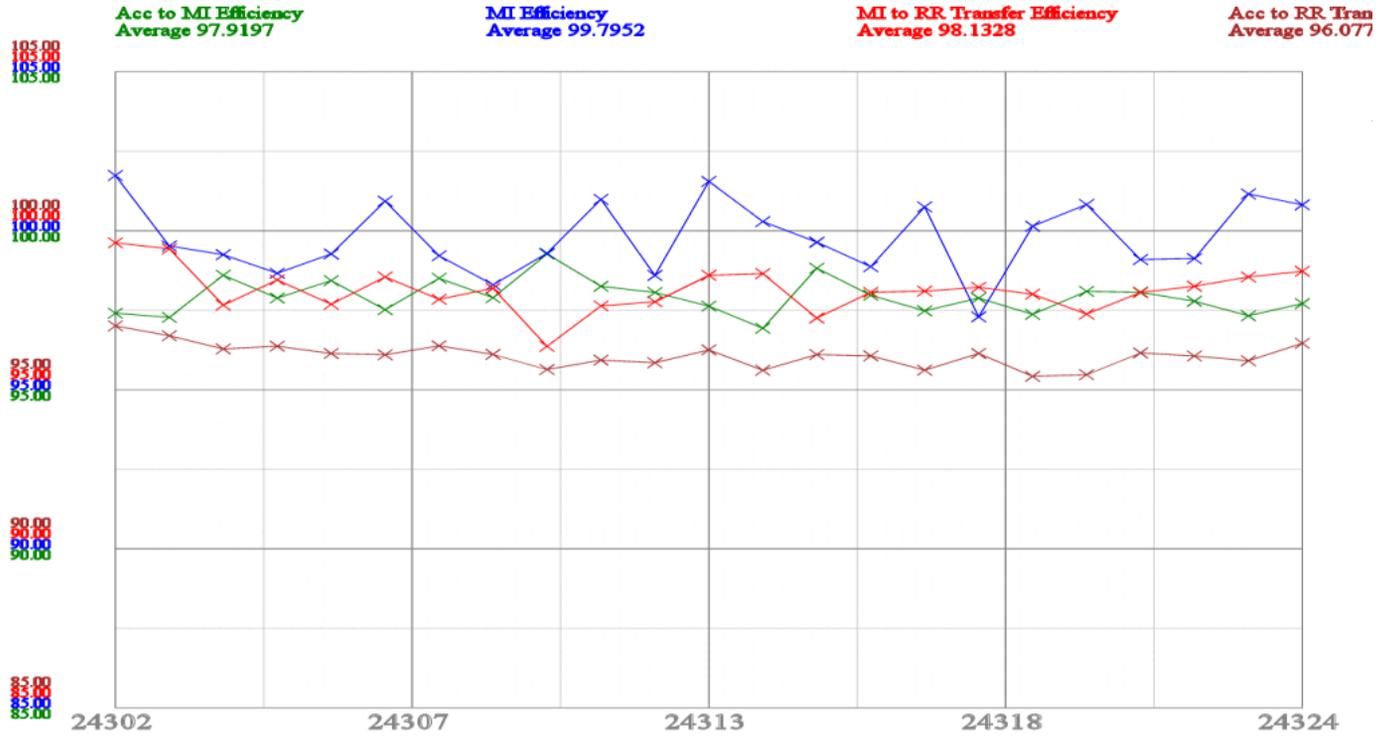






Wed Apr 27 07:00:00 CDT 2011 -- Thu Apr 28 07:00:00 CDT 2011





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 xfer E10	Column 24 Number_23_R:B EAM (R:BEA ME0[1]) post xfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI 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 =>				543.61			522.73	96.16%	98.10%	98.01%	96.15%	69	23	5.9326	4.2566	1.959	
Daily Average =>				543.61			522.73					69	23				
24324	Thursday, April 28, 2011	6:25	27.00	6.58	23.05	301.11	323.02	22.22	96.42%	97.87%	98.34%	96.24%	3	1	6.009	4.282	1.977
24323	Thursday, April 28, 2011	5:30	26.89	7.13	22.36	280.73	301.94	21.49	96.10%	97.52%	98.57%	96.13%	3	1	5.39	4.171	1.984
24322	Thursday, April 28, 2011	4:30	27.29	6.26	23.56	259.30	281.60	22.64	96.09%	97.71%	97.30%	95.07%	3	1	6.162	4.153	1.956
24321	Thursday, April 28, 2011	3:34	27.01	6.68	22.87	238.34	260.03	21.97	96.08%	98.09%	97.70%	95.83%	3	1	6.134	4.816	1.937
24320	Thursday, April 28, 2011	2:40	27.37	6.83	23.16	217.09	238.94	22.09	95.39%	98.61%	99.48%	98.10%	3	1	6.357	4.352	1.954
24319	Thursday, April 28, 2011	1:41	26.90	6.75	22.76	196.05	217.59	21.76	95.60%	97.43%	97.22%	94.72%	3	1	6.378	4.593	1.965
24318	Thursday, April 28, 2011	0:47	27.57	6.87	23.26	174.27	196.48	22.40	96.31%	98.01%	95.86%	93.95%	3	1	6.393	4.233	1.983
24317	Wednesday, April 27, 2011	23:48	26.35	6.41	22.51	153.33	174.68	21.56	95.77%	97.56%	98.68%	96.27%	3	1	6.105	4.189	1.955
24316	Wednesday, April 27, 2011	22:56	28.72	6.99	24.27	130.57	153.66	23.35	96.18%	98.00%	96.91%	94.97%	3	1	5.946	4.45	1.96
24315	Wednesday, April 27, 2011	21:58	28.53	7.22	23.94	108.10	130.86	23.01	96.14%	99.09%	98.53%	97.62%	3	1	5.888	4.498	1.975
24314	Wednesday, April 27, 2011	21:00	26.15	6.62	22.12	87.34	108.37	21.16	95.65%	97.14%	97.10%	94.33%	3	1	6.105	4.394	1.977
24313	Wednesday, April 27, 2011	20:06	26.80	5.67	23.30	65.24	87.55	22.46	96.38%	98.06%	99.33%	97.41%	3	1	5.271	3.442	1.922
24312	Wednesday, April 27, 2011	19:13	31.26	8.10	25.77	40.95	65.48	24.76	96.07%	98.21%	97.41%	95.67%	3	1	6.352	4.702	1.979
24311	Wednesday, April 27, 2011	18:15	41.61	10.22	33.87	8.97	41.22	32.49	95.94%	98.31%	99.04%	97.36%	3	1	6.127	4.513	1.907
24310	Wednesday, April 27, 2011	16:23	26.62	6.13	23.02	379.00	400.58	22.05	95.80%	98.92%	98.73%	97.67%	3	1	5.928	4.15	1.95
24309	Wednesday, April 27, 2011	15:24	28.16	6.38	24.25	357.59	380.42	23.35	96.31%	98.30%	97.55%	95.89%	3	1	5.863	4.394	1.962
24308	Wednesday, April 27, 2011	14:17	27.18	5.98	23.65	336.77	359.11	22.81	96.44%	98.49%	97.80%	96.32%	3	1	5.521	4.061	1.948
24307	Wednesday, April 27, 2011	13:13	26.33	5.91	22.89	316.46	338.08	22.04	96.28%	97.69%	98.59%	96.31%	3	1	5.982	4.199	1.914
24306	Wednesday, April 27, 2011	12:14	25.32	5.89	21.99	296.83	317.59	21.16	96.22%	98.89%	97.90%	96.81%	3	1	5.572	3.875	1.961
24305	Wednesday, April 27, 2011	11:17	26.84	6.31	23.10	275.80	297.73	22.28	96.48%	97.89%	97.25%	95.19%	3	1	5.477	4.058	1.952
24304	Wednesday, April 27, 2011	10:16	26.19	6.18	22.60	255.24	276.70	21.80	96.46%	98.92%	98.68%	97.61%	3	1	5.785	4.201	1.996
24303	Wednesday, April 27, 2011	9:20	26.78	6.12	23.17	233.88	256.01	22.41	96.71%	97.63%	97.20%	94.90%	3	1	5.714	4.105	1.962
24302	Wednesday, April 27, 2011	8:20	25.70	6.07	22.17	213.52	234.67	21.49	96.91%	97.83%	98.88%	96.73%	3	1	5.991	4.07	1.982