

2011-06-27 Monday Morning Notes

Monday, June 27, 2011
9:03 AM

Numbers

Stacking

- Pbars stacked: 1522.51 E10
 - Time stacking: 62.33 Hr
 - Average stacking rate: 24.43 E10/Hr

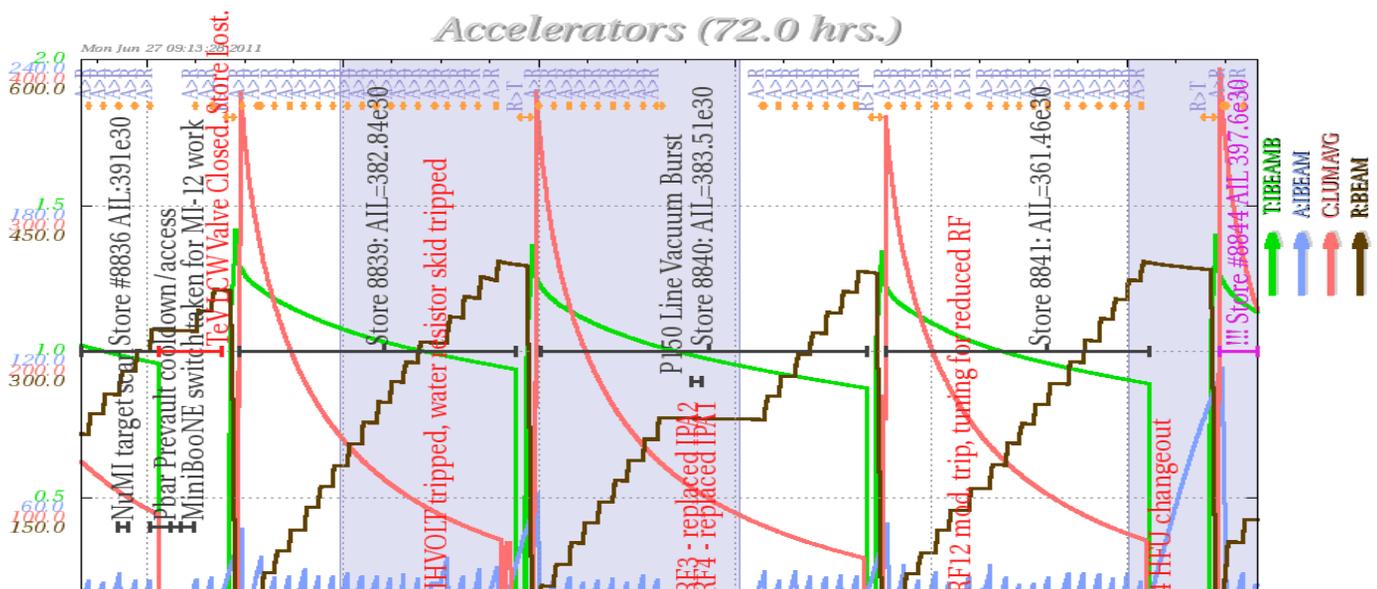
- Uptime
 - Number of pulses while in stacking mode: 95140
 - Number of pulses with beam: 91438
 - Fraction of up pulses was: 96.11%

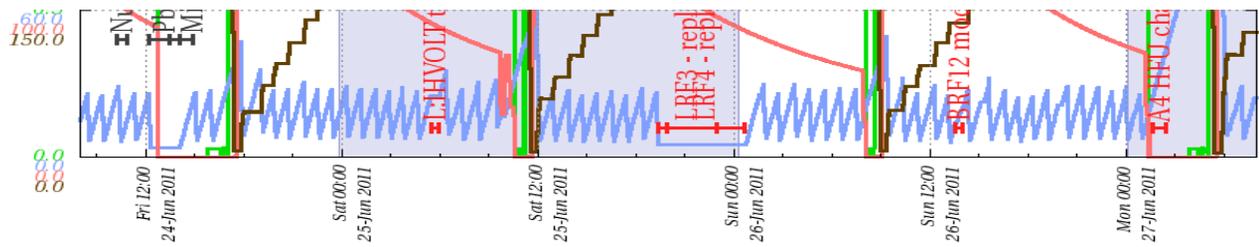
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 59.91 Hr
 - Possible average stacking rate: 25.42 E10/Hr
 - Could have stacked: 1584.16 E10/Hr

- Recycler Transfers
 - Pbars sent to the Recycler: 1485.77 E10
 - Number of transfers : 177
 - Number of transfer sets: 57
 - Average Number of transfer per set: 3.11
 - Time taken to shoot including reverse proton tuneup: 00.62 Hr
 - Transfer efficiency: 95.94%

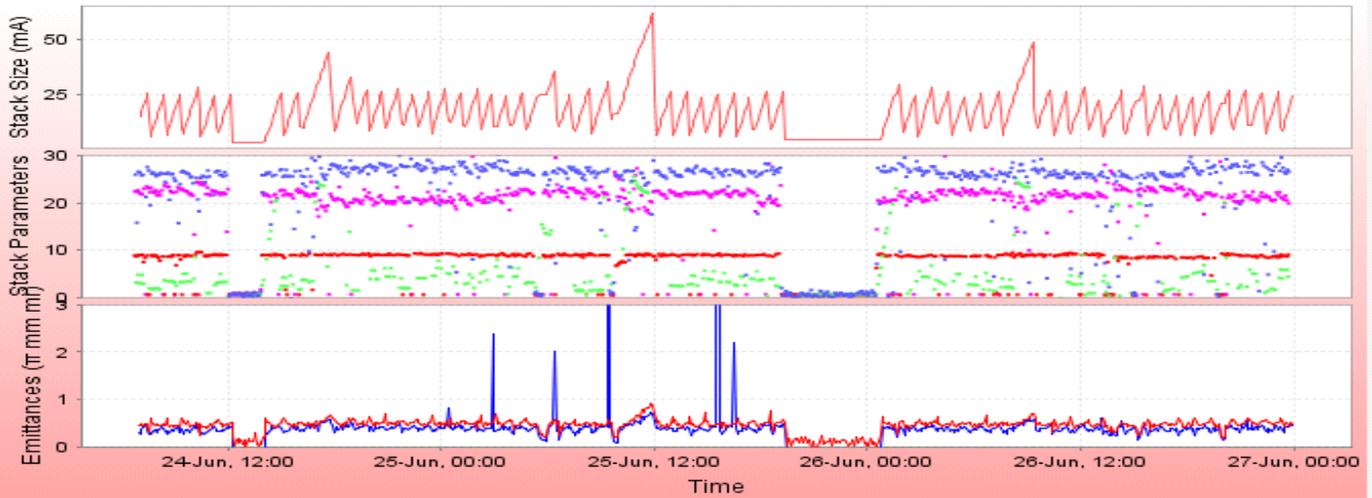
- Other Info
 - Average POT : 8.07 E12
 - Average production: 20.64 pbars/E6 protons

Plots

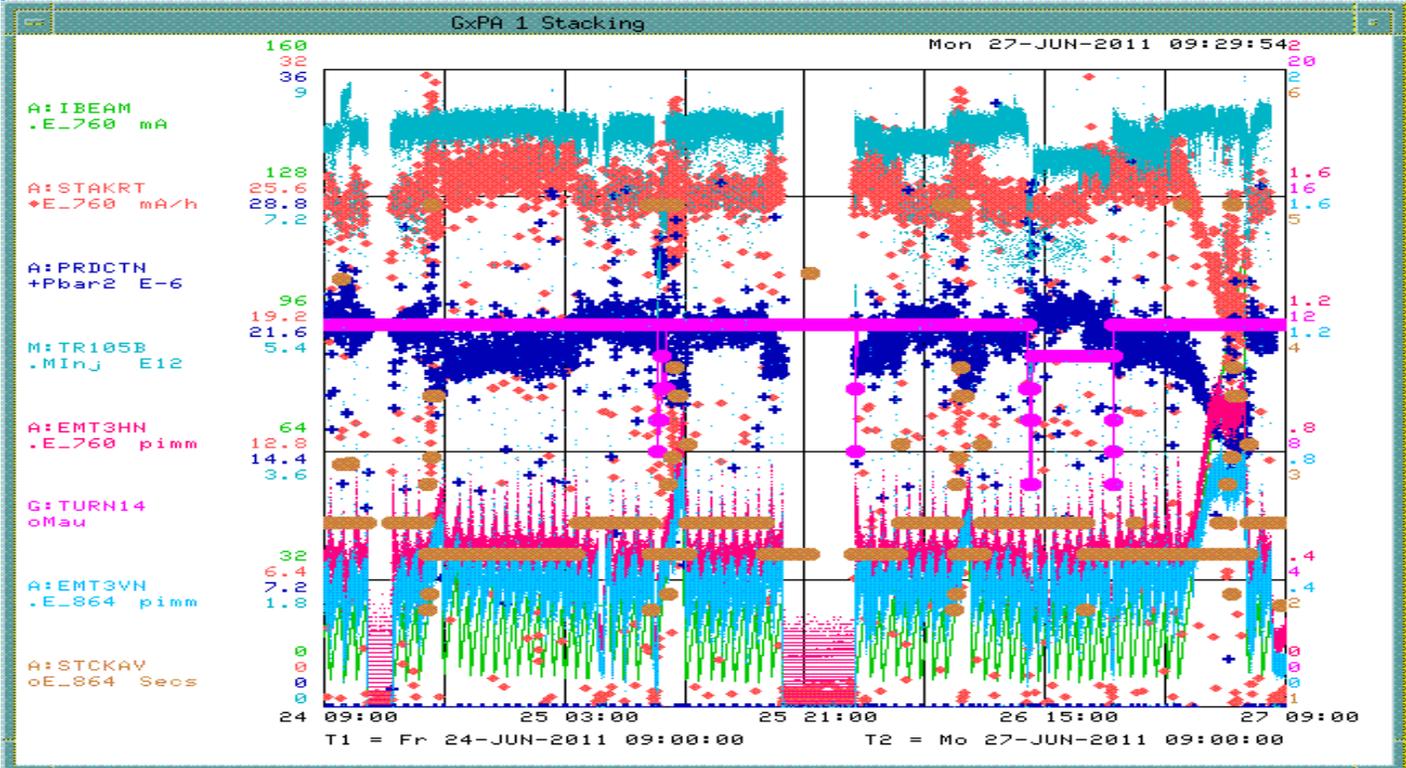


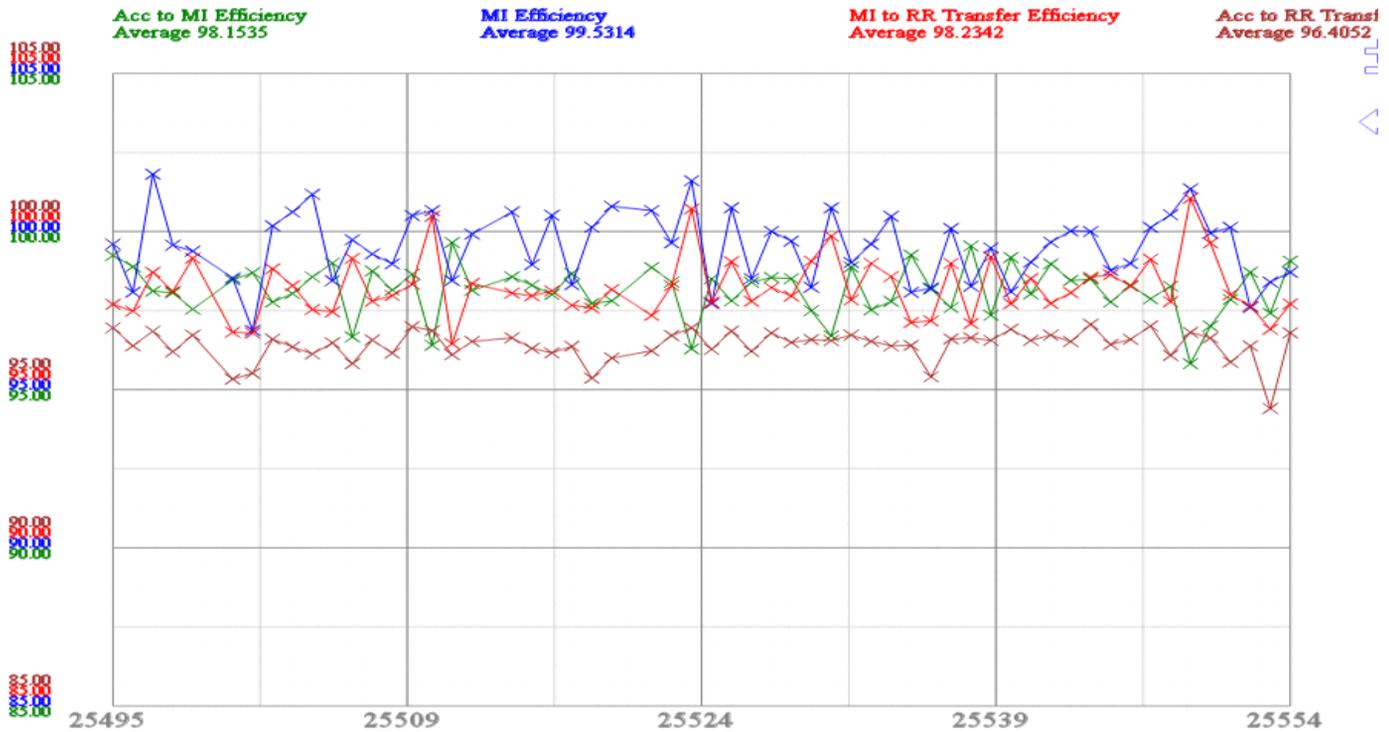
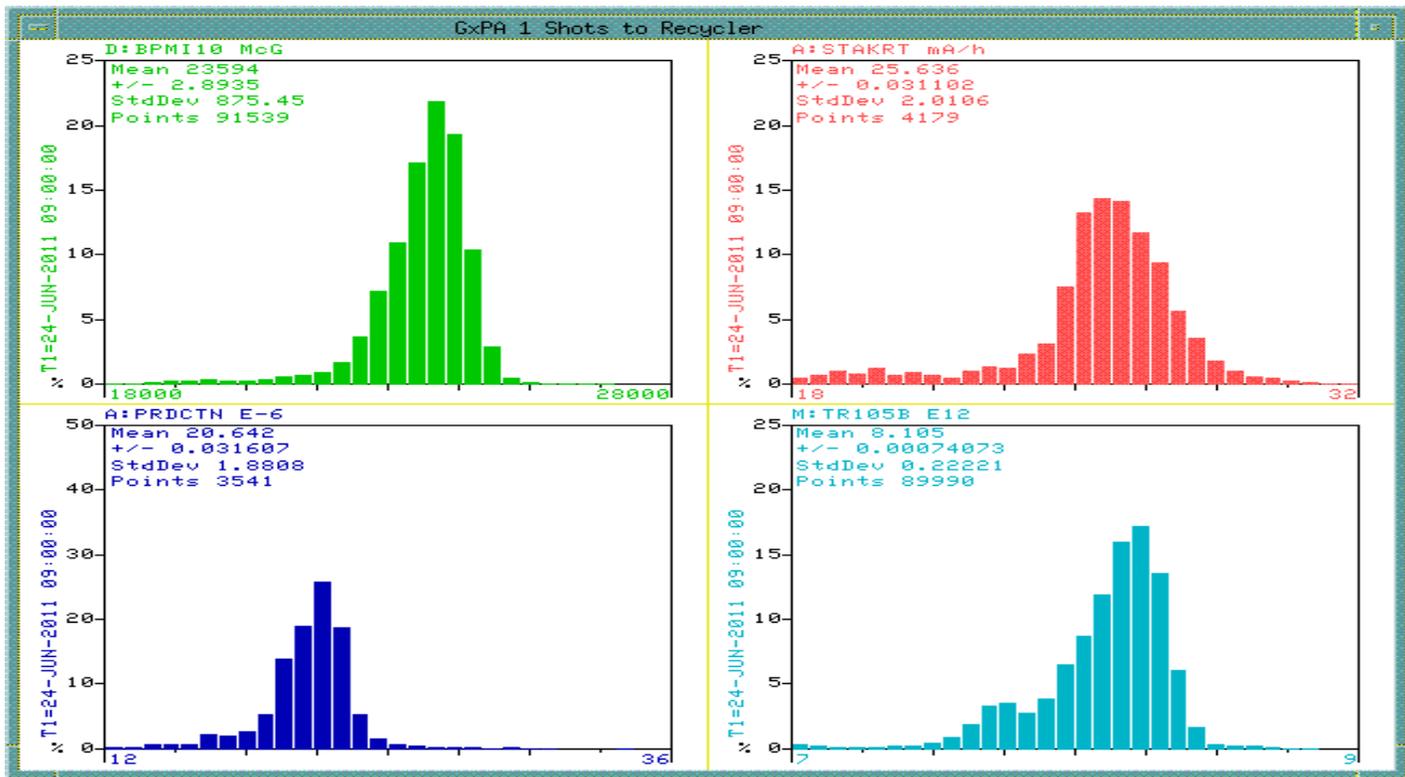


Fri Jun 24 07:00:00 CDT 2011 -- Mon Jun 27 07:00:00 CDT 2011



— A:IBEAM
 • A:STCKRT
 • Hourly Rate
 • M:TOR109
 • A:PRDCTN
 — A:EMT3HN
 — A:EMT3VN
— Ave Time between \$81's





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 fer 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 Longitud inal Emittanc e	
Totals =>				1518.07			1459.41	96.14%	98.20%	97.61%	95.85%	181	58	4.8293	3.7151	2.0243	
Daily Average =>				506.02			486.47					60	19				
25554	Monday, June 27, 2011	7:06	29.52	7.93	24.24	104.78	128.10	23.46	96.79%	99.01%	97.83%	96.87%	3	1	4.81	3.825	2.039
25553	Monday, June 27, 2011	5:52	113.91	8.86	111.34	4.02	105.44	104.26	93.64%	97.45%	95.91%	93.47%	7	1	6.54	4.856	1.869
25552	Monday, June 27, 2011	0:52	25.84	7.28	21.25	372.77	392.86	20.49	96.41%	98.97%	96.74%	95.75%	3	1	5.002	3.645	2.073
25551	Monday, June 26, 2011	0:00	26.88	7.41	22.12	353.33	374.26	21.23	95.95%	97.54%	97.36%	94.96%	3	1	4.885	3.833	2.031
25550	Sunday, June 26, 2011	23:10	26.89	7.48	22.09	333.36	354.48	21.38	96.79%	97.57%	97.51%	95.14%	3	1	4.879	3.892	2.05
25549	Sunday, June 26, 2011	22:17	29.02	7.47	24.18	311.26	334.40	23.46	97.01%	96.14%	97.35%	93.59%	3	1	5.036	4.1	2.013
25548	Sunday, June 26, 2011	21:20	29.42	7.80	24.27	289.22	312.24	23.29	95.97%	98.25%	98.50%	96.78%	3	1	5.077	3.944	2.005
25547	Sunday, June 26, 2011	20:24	29.25	7.97	23.98	266.99	290.01	23.25	96.97%	98.00%	98.26%	96.30%	3	1	5.017	3.814	2.034
25546	Sunday, June 26, 2011	19:11	27.51	7.04	23.10	245.83	267.88	22.27	96.43%	98.09%	97.11%	95.26%	3	1	4.817	3.73	2.002
25545	Sunday, June 26, 2011	18:17	25.46	7.02	21.18	226.15	246.39	20.44	96.48%	97.78%	96.86%	94.71%	3	1	4.488	3.524	2.056
25544	Sunday, June 26, 2011	17:25	24.94	6.25	21.30	206.09	226.59	20.68	97.11%	98.82%	98.53%	97.36%	3	1	4.598	3.6	2.044
25543	Sunday, June 26, 2011	16:36	27.86	6.85	23.61	183.85	206.49	22.80	96.55%	98.32%	98.55%	96.90%	3	1	4.362	3.826	2.019
25542	Sunday, June 26, 2011	15:37	30.14	7.30	25.35	159.87	184.21	24.54	96.79%	98.98%	98.57%	97.57%	3	1	4.783	3.752	2.021
25541	Sunday, June 26, 2011	14:20	27.75	6.64	23.68	137.52	160.28	22.88	96.59%	98.33%	97.10%	95.48%	3	1	4.783	3.589	2.037
25540	Sunday, June 26, 2011	13:07	25.46	6.10	21.84	116.80	137.82	21.16	96.85%	99.03%	97.52%	96.58%	3	1	4.802	3.632	2.026
25539	Sunday, June 26, 2011	12:17	29.39	7.49	24.56	93.42	116.98	23.70	96.49%	97.44%	96.96%	94.48%	3	1	4.705	3.748	2.05
25538	Sunday, June 26, 2011	11:15	26.34	6.67	22.31	72.16	93.58	21.56	96.64%	99.55%	97.72%	97.28%	3	1	4.544	3.514	2.028
25537	Sunday, June 26, 2011	10:21	30.14	6.96	25.53	47.88	72.36	24.60	96.33%	97.76%	98.07%	95.87%	3	1	4.58	3.22	1.996
25536	Sunday, June 26, 2011	9:21	49.39	8.80	44.40	6.35	48.17	42.31	95.29%	98.20%	97.02%	95.27%	4	1	5.454	4.431	1.994
25535	Sunday, June 26, 2011	7:27	27.69	7.26	23.08	361.07	383.00	22.30	96.59%	99.19%	97.73%	96.95%	3	1	4.743	3.661	2.039
25534	Sunday, June 26, 2011	6:30	28.21	7.10	23.75	339.71	362.30	22.88	96.32%	98.19%	98.91%	97.12%	3	1	4.651	3.566	2.02
25533	Sunday, June 26, 2011	5:33	27.35	7.24	22.73	319.10	340.70	21.91	96.37%	97.77%	97.18%	95.01%	3	1	4.778	3.708	2.074
25532	Sunday, June 26, 2011	4:37	27.72	6.90	23.42	297.46	319.89	22.67	96.79%	98.56%	98.09%	96.68%	3	1	4.394	3.69	2.048
25531	Sunday, June 26, 2011	3:43	29.96	8.08	24.57	274.71	298.19	23.71	96.47%	96.76%	97.55%	94.39%	3	1	4.779	3.822	2.048
25530	Sunday, June 26, 2011	2:43	26.07	6.58	21.93	254.34	275.31	21.18	96.54%	97.72%	96.25%	94.06%	3	1	4.389	3.305	2.011
25529	Sunday, June 26, 2011	1:51	30.56	7.56	25.29	230.55	254.80	24.41	96.50%	98.72%	98.44%	97.18%	3	1	4.611	3.667	2.029
25528	Saturday, June 25, 2011	19:16	26.83	5.22	23.32	210.35	232.77	22.56	96.75%	98.40%	98.21%	96.64%	3	1	4.47	3.327	1.997
25527	Saturday, June 25, 2011	18:23	28.29	7.59	23.38	188.39	210.74	22.50	96.22%	98.25%	96.65%	94.95%	3	1	5.168	4.037	2.029
25526	Saturday, June 25, 2011	17:24	25.51	6.36	21.81	167.78	188.74	21.13	96.86%	98.40%	98.16%	96.59%	3	1	4.793	3.505	2.034
25525	Saturday, June 25, 2011	16:32	27.00	6.39	23.02	146.13	168.14	22.16	96.23%	98.66%	96.82%	95.53%	3	1	4.725	3.334	2.012
25524	Saturday, June 25, 2011	15:37	26.50	6.54	22.62	124.62	146.43	21.95	97.01%	96.81%	97.87%	94.75%	3	1	4.629	3.454	2.018
25523	Saturday, June 25, 2011	14:43	25.63	6.45	21.75	103.94	124.83	21.04	96.75%	98.37%	97.91%	96.32%	3	1	4.693	3.545	2.026
25522	Saturday, June 25, 2011	13:52	27.48	7.05	23.07	82.02	104.10	22.21	96.29%	98.60%	99.21%	97.81%	3	1	4.54	3.721	2.026
25520	Saturday, June 25, 2011	12:56	27.33	6.60	23.23	59.96	82.17	22.30	96.01%	98.20%	99.34%	97.55%	3	1	4.65	3.23	2.046
25519	Saturday, June 25, 2011	11:56	62.42	7.11	60.24	5.28	60.26	56.90	94.45%	97.63%	97.32%	95.02%	5	1	6.32	4.743	1.984
25518	Saturday, June 25, 2011	9:27	31.99	12.21	21.12	373.29	393.30	20.35	96.36%	98.68%	97.24%	95.96%	2	1	4.916	4.21	1.999
25517	Saturday, June 25, 2011	8:21	28.66	7.10	24.25	354.74	377.44	23.34	96.27%	98.39%	99.15%	97.55%	3	1	4.76	3.641	2.03
25516	Saturday, June 25, 2011	7:21	27.84	7.01	23.54	335.00	357.26	22.67	96.30%	98.13%	97.23%	95.41%	3	1	4.575	3.723	2.045
25515	Saturday, June 25, 2011	6:25	35.87	9.33	29.11	308.60	336.39	28.14	96.65%	98.83%	99.05%	97.89%	3	1	4.934	3.969	2.012
25513	Saturday, June 25, 2011	4:38	27.23	7.19	22.74	288.90	310.54	21.97	96.61%	98.26%	98.15%	96.45%	3	1	4.494	3.563	2.053
25512	Saturday, June 25, 2011	3:44	26.29	7.34	21.71	269.07	289.74	20.89	96.25%	99.38%	98.77%	98.16%	3	1	5.187	3.554	2.041
25511	Saturday, June 25, 2011	2:54	27.09	7.40	22.34	248.33	269.74	21.64	96.89%	96.57%	96.80%	93.48%	3	1	4.88	3.613	2.035
25510	Saturday, June 25, 2011	2:05	27.86	8.13	22.43	227.38	248.93	21.78	97.08%	98.98%	98.75%	97.74%	3	1	4.926	3.912	2.061
25509	Saturday, June 25, 2011	1:10	28.34	7.66	23.46	205.52	227.90	22.59	96.26%	98.39%	97.67%	96.10%	3	1	5.165	3.814	2.036
25508	Saturday, June 25, 2011	0:18	29.41	8.38	23.73	183.16	205.96	22.92	96.57%	98.81%	97.99%	96.83%	3	1	5.108	3.667	2.035
25507	Friday, June 24, 2011	23:23	27.80	7.99	22.57	161.99	183.50	21.64	95.91%	97.26%	96.21%	93.57%	3	1	4.688	3.671	2.028
25506	Friday, June 24, 2011	22:31	27.84	7.78	22.82	140.40	162.25	22.03	96.54%	98.75%	97.14%	95.92%	3	1	4.985	3.743	2.033
25505	Friday, June 24, 2011	21:41	30.75	8.69	24.76	116.99	140.66	23.79	96.09%	98.84%	98.92%	97.77%	3	1	4.881	3.814	2.024
25504	Friday, June 24, 2011	20:42	27.79	7.87	22.62	95.52	117.22	21.82	96.49%	97.87%	98.86%	96.76%	3	1	4.713	3.72	2.035
25503	Friday, June 24, 2011	19:51	28.15	8.00	22.80	73.80	95.68	22.02	96.55%	97.64%	97.69%	95.39%	3	1	4.738	3.77	2.023
25502	Friday, June 24, 2011	19:03	36.41	9.99	29.05	46.34	73.97	27.75	95.53%	98.47%	95.87%	94.40%	3	1	5.379	4.226	2.009
25501	Friday, June 24, 2011	17:49	47.54	8.43	42.95	6.18	46.59	40.91	95.25%	98.46%	96.57%	95.08%	4	1	5.458	3.989	2.001
25499	Friday, June 24, 2011	15:59	27.78	7.05	23.39	341.89	364.23	22.62	96.69%	97.46%	96.57%	94.11%	3	1	4.726	3.429	2.03
25498	Friday, June 24, 2011	15:01	26.47	6.53	22.56	321.21	342.63	21.67	96.06%	98.40%	96.87%	95.31%	3	1	4.551	3.332	2.012
25497	Friday, June 24, 2011	12:12	26.38	4.19	23.46	300.60	323.04	22.69	96.71%	98.15%	99.72%	97.87%	3	1	3.805	2.889	1.994
25496	Friday, June 24, 2011	11:19	26.46	6.91	22.22	280.06	301.26	21.46	96.58%	98.67%	97.58%	96.28%	3	1	4.996	3.769	2.055
25495	Friday, June 24, 2011	10:22	29.29	6.14	25.49	256.19	280.70	24.71	96.95%	99.23%	98.86%	98.10%	3	1	4.363	3.15	1.991
25494	Friday, June 24, 2011	9:20	25.54	6.84	21.41	236.33	256.74	20.54	95.91%	99.80%	98.37%	98.17%	3	1	4.376	3.52	2.052