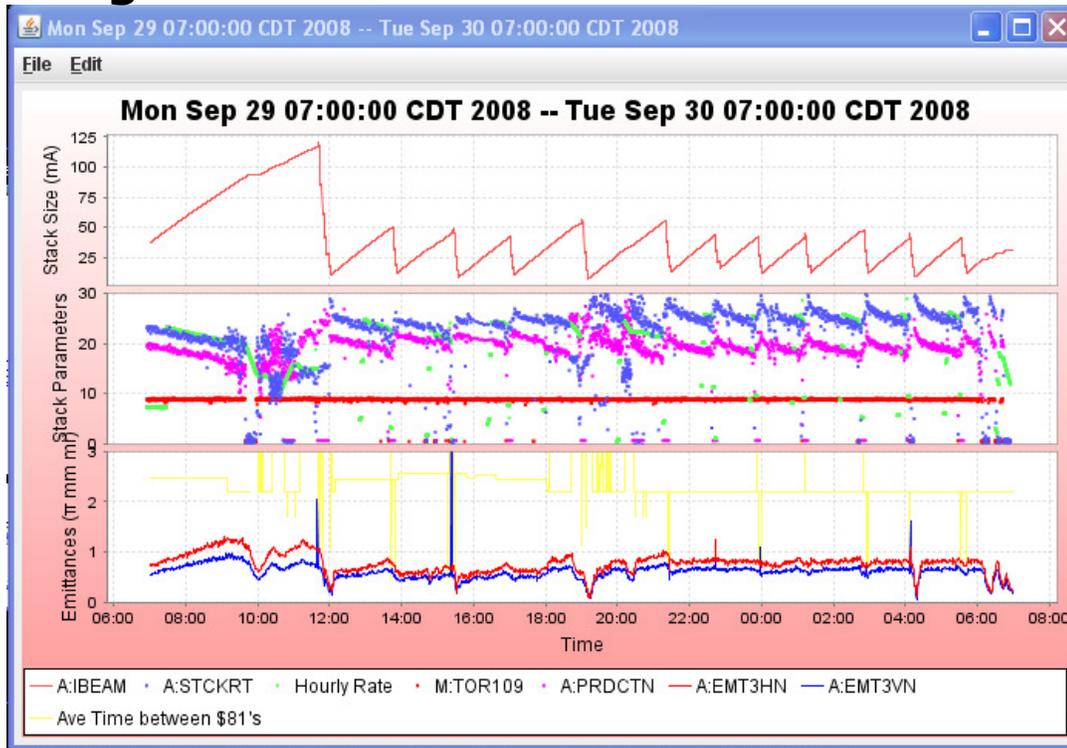


Stacking

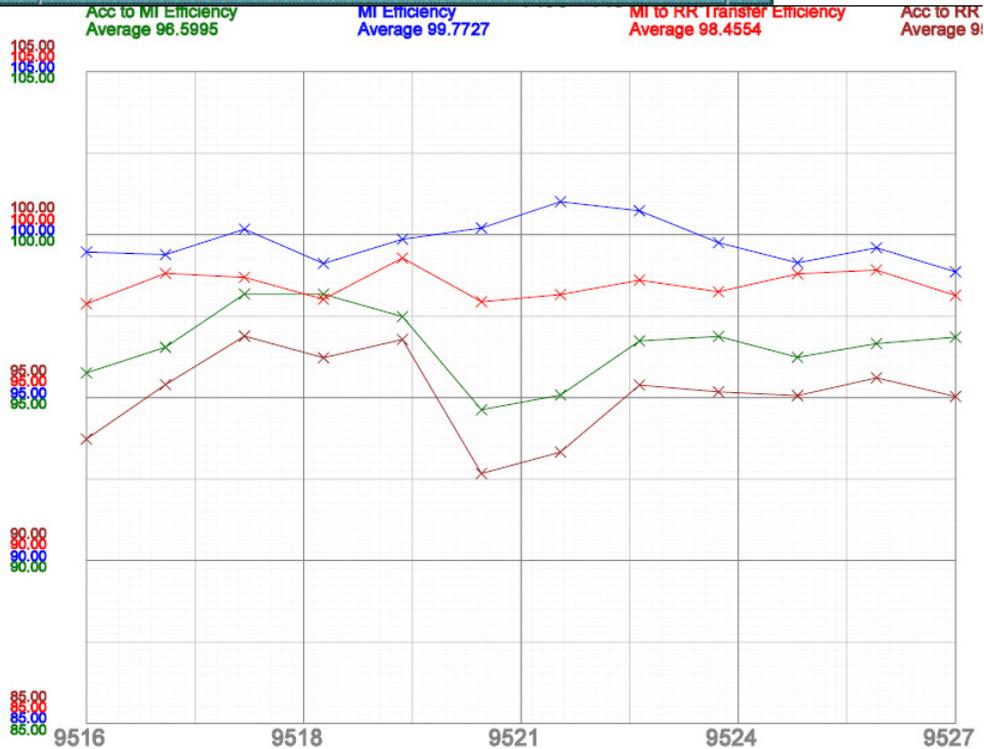
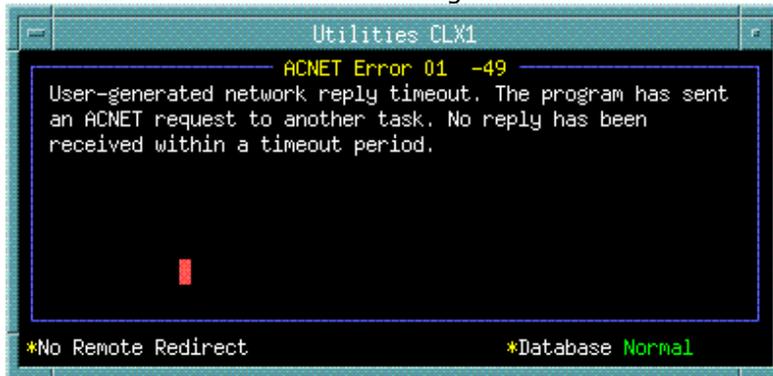


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- Started building a large stack.
- Some diagnostics issues.
 - Had to restart (via D:SCP10R on P38 MISC <22>) the Flux Capacitor scope (stopped calculating Debuncher injection parameters and web interface down). <http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=418&anchor=074713>
 - BPI10D Python script had to be restarted (<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=418&anchor=083520>).
 - Dave Peterson Found the Debuncher BPM House 10 (PbarDebBPM10.fnal.gov) was not reading correctly. Mark and Dave took the laptop out for local USB testing. Looks like the first module (serial #200) was confused. The second module considered itself to be the Master but was not seeing any other modules. The rest of the modules were identifying correctly. Cycling the power brought things back to normal.
Pasted from <<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=last&frame=2&anchor=&hilite=&load=>>
- Target Move (<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=418&anchor=162836>). Target check back up to 145%.

Transfers

- Sequencer Errors (<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=xe&page=418&time=21:02:55>).
 - Only happening on CNS1. Were able to run the Sequencer on CNS2 without problems.
 - Brian Hendricks was looking into this.

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- We had a couple of transfers drop below 95% (9521 & 9522)

Column 1 Number_0_Pbar	Column 4 Number_3_Transfer Time	Column 21 Number_20_A:IBEAM Number_21_A:IB B sampled	Column 22 Number	Unstacked (mA)	Column 23 Number_22_R:BE	Column 24 Number_23_R:BE	Stashed	Acc to RR Eff	Column 27 Number_26_MI	Column 28 Number_27_MI Before	Acc to MI Eff	Acc to MI2 Eff	Transfers	Sets
	7:00:00 AM			512.596			48	94.65%	494.582	493.144	96.49%	96.21%	40	12
9527	Tuesday, September 30, 2008 5:34:34 AM	41.006	11.208	32.244	200.938	231.337	30.65	95.07%	31.302	30.948	97.08%	95.98%	3	1
9526	Tuesday, September 30, 2008 4:08:25 AM	40.938	9.544	32.731	170.572	201.603	31.24	95.45%	31.625	31.427	96.62%	96.02%	3	1
9525	Tuesday, September 30, 2008 2:51:06 AM	47.323	11.881	37.812	135.352	171.141	35.91	94.96%	36.324	36.141	96.06%	95.58%	3	1
9524	Tuesday, September 30, 2008 1:14:42 AM	41.503	11.828	32.169	105.348	135.794	30.64	95.25%	31.123	31.085	96.75%	96.63%	3	1
9523	Monday, September 29, 2008 11:54:04 PM	41.520	11.494	32.477	74.860	105.646	30.96	95.33%	31.468	31.591	96.89%	97.27%	3	1
9522	Monday, September 29, 2008 10:43:22 PM	43.203	15.298	30.490	46.760	75.078	28.41	93.19%	28.973	29.260	95.02%	95.97%	3	1
9521	Monday, September 29, 2008 9:19:56 PM	55.001	12.876	45.910	5.075	47.021	42.40	92.35%	43.510	43.394	94.77%	94.52%	4	1
9520	Monday, September 29, 2008 7:03:29 PM	53.456	7.241	47.628	213.528	258.962	45.90	96.38%	46.484	46.427	97.60%	97.48%	3	1
9519	Monday, September 29, 2008 5:00:48 PM	41.685	10.543	33.456	182.718	214.564	32.17	96.17%	32.877	32.656	98.27%	97.61%	3	1
9518	Monday, September 29, 2008 3:27:54 PM	45.026	8.494	37.875	146.791	183.321	36.70	96.89%	37.262	37.207	98.38%	98.24%	3	1
9517	Monday, September 29, 2008 1:45:27 PM	49.588	12.010	39.829	109.550	147.284	37.96	95.30%	38.489	38.340	96.64%	96.26%	3	1
9516	Monday, September 29, 2008 11:43:33 AM	116.355	10.319	109.975	9.479	110.148	102.24	92.96%	105.145	104.668	95.61%	95.17%	6	1

Studies

- Delta Kicker Studies (<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=418&anchor=100145&hilit=10:01:45->)
 - New Delay Cables were added. Pete installed new delay cables in the Stacktail Delta kickers and adjusted the trombones as follows, A:SPTHD1- 251ps A:SPTHD2- 253ps A:SPTHD3- 248ps A:SPTHD4- 255ps

Pasted from <<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=last&frame=2&anchor=&hilit=&load=>>>

 - There will be a followup study that is parasitic. JPM planning on doing Friday evening.

Requests

- Water cage access. Approved for this morning.

The Numbers

- Paul's Numbers
 - Stacking in last 24 hours
 - Most in an hour: 25.59 mA at Sun Sep 28 21:42:08 CDT 2008
 - Best: 27.01 mA on 03-Jun-08
 - Average Production 17.84 e-6/proton Best: 25.41 e-6/proton on 01/30/2008
 - Average Protons on Target 7.75 e12 Best: 8.77 e12 on 07/24/2007
 - Largest Stack 93.62 mA Best: 313.58 mA on 02/18/2008
- Al's Numbers
 - Stacking
 - Pbars stacked: 506.60 E10
 - Time stacking: 23.48 Hr
 - Average stacking rate: 21.58 E10/Hr
 - Uptime
 - Number of pulses while in stacking mode: 34849
 - Number of pulses with beam: 33323
 - Fraction of up pulses was: 95.62%
 - The uptime's effect on the stacking numbers
 - Corrected time stacking: 22.45 Hr
 - Possible average stacking rate: 22.57 E10/Hr
 - Could have stacked: 529.80 E10/Hr
 - Recycler Transfers
 - Pbars sent to the Recycler: 512.60 E10
 - Number of transfers : 40
 - Number of transfer sets: 12
 - Average Number of transfer per set: 3.33
 - Time taken to shoot including reverse proton tuneup: 00.23 Hr
 - Transfer efficiency: 96.41%
 - Other Info
 - Average POT : 8.15 E12
 - Average production: 18.66 pbars/E6 protons

FESS

- Cooling Tower #5 is offline for mainenance.
- LP7 (which had a failed cooling fan) is repaired and ready for use. We are currently running LP6 and LP8.

Operations

- Bob wants a list of people who need to get in first thing Monday morning for the shtudown.
 - Henry, Phil and Co for Pbar Transport
 - Budlong/Poll for emergency lighting.
- Thursday Bob Mau will go through all unapproved jobs in the worklist.

Shutdown

- Will Obie do his Job Lock out (we are controlled access)?
- PreTarget door installation may have to be done by contractors. ES&H is looking into this because this would mean that PreTarget would have to go supervised.