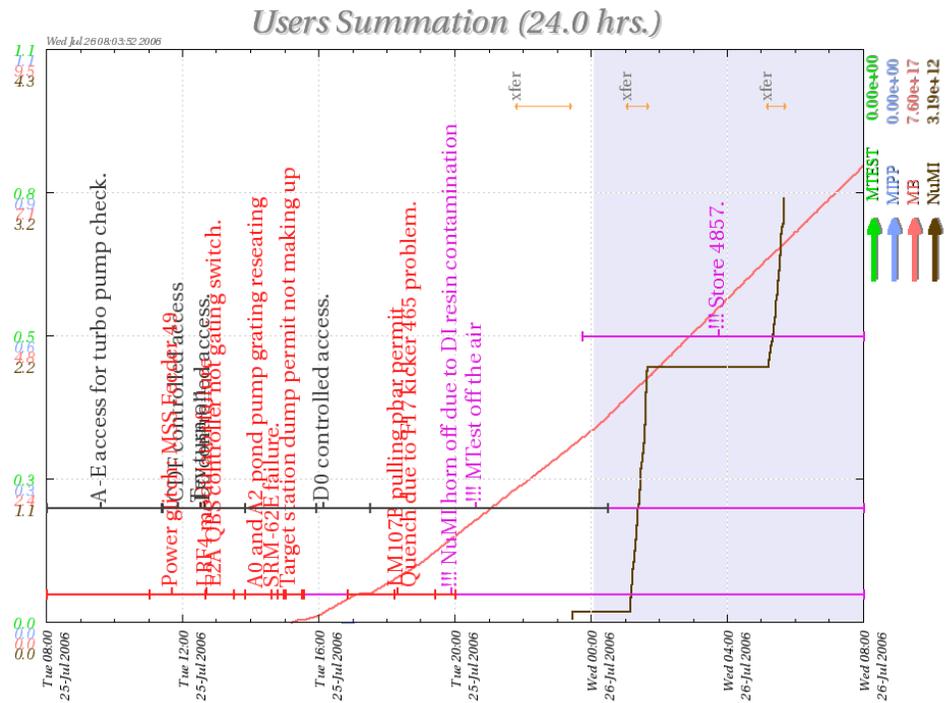


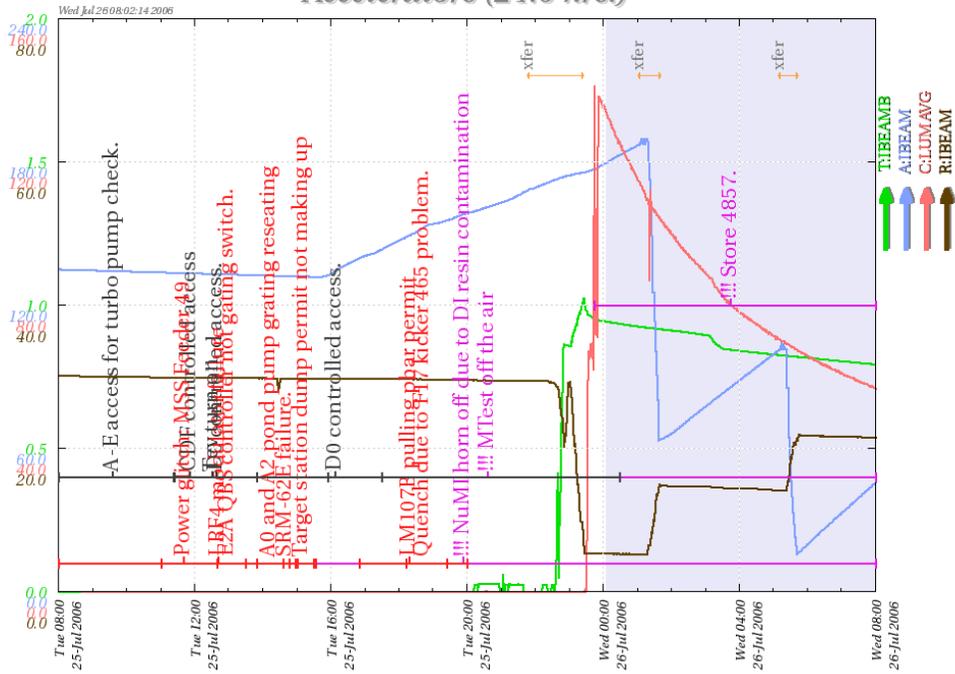
- **Crew Chief Summary:**

- **Users Plot**



- **Accelerators Plot**

Accelerators (24.0 hrs.)



- **Notes from Run Coordinator:**

- Great to be back to operations in two shifts.
- Store 4857 a little larger than usual, 142.33e30
- Need to know if the CDF/D0 are ready - push for a record store
- Losses high . Had to make a change to a quad . - Q104 (106 & 107 are final focus)
- Pbar spot size - back to normal intensities
- NuMI could be ready for beam by mid-day

- **Machine Summaries:**

- **Linac**

- Summary:

- Back up and running after glitch
 - LRF4 was hardest - interlock failure on top of modulator cabinet had to replace thyrotron. Outgassing.
 - Invisible glitch on SRMS
 - Failurs in Klystrons - coil supply
 - Three different coil supply - current limited, instead of voltage limited. Testing - naturally occura
 - NTF Thursday and Friday.
 - 2 line monitors - lv1mon, lv3mon - both able to inhibit the beam - both are bypassed.

- Requests:

-

- **Booster**

- Summary:

- up and running
 - RF came up
 - Lots of tuning on eve shift
 - More tuning to do
 - Recovered welll.

- Requests:

-

- **Main Injector**

- Summary:

- Running ok
 - Pbar coal - 84%

- Pbar coal - 84%
 - Large long emittance from RR
 - New bpm didn't happen,
 - Requests:
 - Coal. \$2B and
 - Slip stacking \$2E
- **Pbar**
 - Summary:
 - AP1 losses. Changed Q104ST. Since it is unknown what that has done to...Losses high - Q104 (106 & 107 are final focus) spot size on target, beam was limited to 9 turns overnight.
 - Pbar Stacking Numbers
 - ◆ Best Stacking = 13.95 mA/hr
 - ◆ <Production> = 13.92 e-6/proton
 - ◆ <Beam on Target> = 5.5e12
 - Stacking and production were low, large stack
 - 188mA, largest had in a long time.
 - Beam on target low, mid-evening shift losses in the AP1 line.
 - Number of quads that are different setting prior to shutdown.
 - All of ramps enabled. Thought they were disabled.
 - Changing Q104ST reduced losses.
 - Don't have a plan yet. Reconstruct best we can.
 - RE-do optics measurements for 120GeV beamlines - while stacking. 6 turns. 2 hours.
 - Transfers
 - ◆ Two
 - ◆ From large stack 88% (emittances were large)
 - ◆ 100mA stack 92% - fairly normal..
 - F23 after cycling the AP1 BPMs VME
 - Requests:
 -
- **Tevatron**
 - Summary:
 - Electron lens -
 - ◆ Flow meter repaired
 - Vacuum burst TEL1 after glitch.
 -
 - Feeder 49
 - Quench at F26U. F17 kicker Camac 465 card had no table.
 - Store 4857
 - ◆ small bunch length blow up at about 2:10 this morning. This did not have a big impact, but the losses increase on the E0 collimator slightly and the Proton lifetime decreases somewhat. Then the Proton tunes are moved way down and the Protons really take a hit as they are moved through the 7/12
 - ◆ At 16:00 hrs July 25 there was a 9 degree C change in the D0 hall temperature. This resulted in a 200 micro meter shift in the low beta quads. This is a plot of the DQ4 HLS and the Hall temp in degrees F. DQ4 has not returned to it's original position,
 - Requests:
 - During day or evening shot setup. Helix orbit optimization.
- **Recycler**
 - Summary:
 - Three things
 - ◆ Broken DCCT - uncertainty on how much beam had
 - ◆ Didn't have a transverse emittance blowup
 - ◆ Protons cut down in intensity.
 - Goal was to leave behind 100e10 for Shot Setup 4857

- Requests:
 -
- **SY120**
 - Summary:
 -
 - Requests:
 -
- **MiniBooNE**
 - Summary:
 - Ran steady
 - 5.5e16 on owl shift.
 - Requests:
 -
- **NuMI**
 - Summary:
 - Read to start up roughly noon.
 - Have to schedule a S&S after that.
 - Requests:
 -
 -
- **CDF**
 - Summary:
 - In ctl access 3:30pm until
 - Electromagnet calorimeter show max system
 - Fixed other things.
 - Current store - 66%
 - Intensity is not the problem, just run long enough to fix.
 - Requests:
 -
- **D0**
 - Summary:
 - Running well until power outage
 - CTT and L1 muon system - fixed
 - Worked on PDT cleaning
 - Also had problems with mycomm compressor - leak in lead flow. Had to run 1st hour of store without solinoid'
 - Had to change trigger list
 - Trigger was firing every beam crossing, fixed.
 - Ran well once solinoid back up.
 - Had some tripping of PDT HV. Additional humidity.
 -
 - Requests:
 -
- **FESS**
 - Summary:
 - D0 on Feeder 45
 - CDF on Feeder 47
 - FEYN - Feeder 47
 - Feeder 47 is circa 1970s.
 - Failure is a splice in new feeder cable - march 06. Repairing splice.
 - Should be done by end of the day.
 - Reconfigure tomorrow. Paralleling. 9am will be asking for a window of opportunity.
 -
 - Requests:
 -
- **Mechanical**
 - Summary:
 - Cleaned out a sector - 2 week cycle - was just as bad
 - Collapsed a2 strainer
 - F sector.
 - Check valves for CDF pond pumps will be pulled. On ICW - maybe stuck closed.
 - Requests:
 -

- -
- **Linux**
 - Summary:
 - Some applications have affiliations across the board.
 - SA1082 - LEXSA is ready to be tested.
 - Requests:
 -
- **The Plan**
 - Summary:
 - Continue the normal iterations of stack to 60mA and transfer to Recycler.
 - Spin the store until evening or owl shift. Jim will set an end of store time later today.
 - Prepare for NuMI operations.
 - Requests:
 -