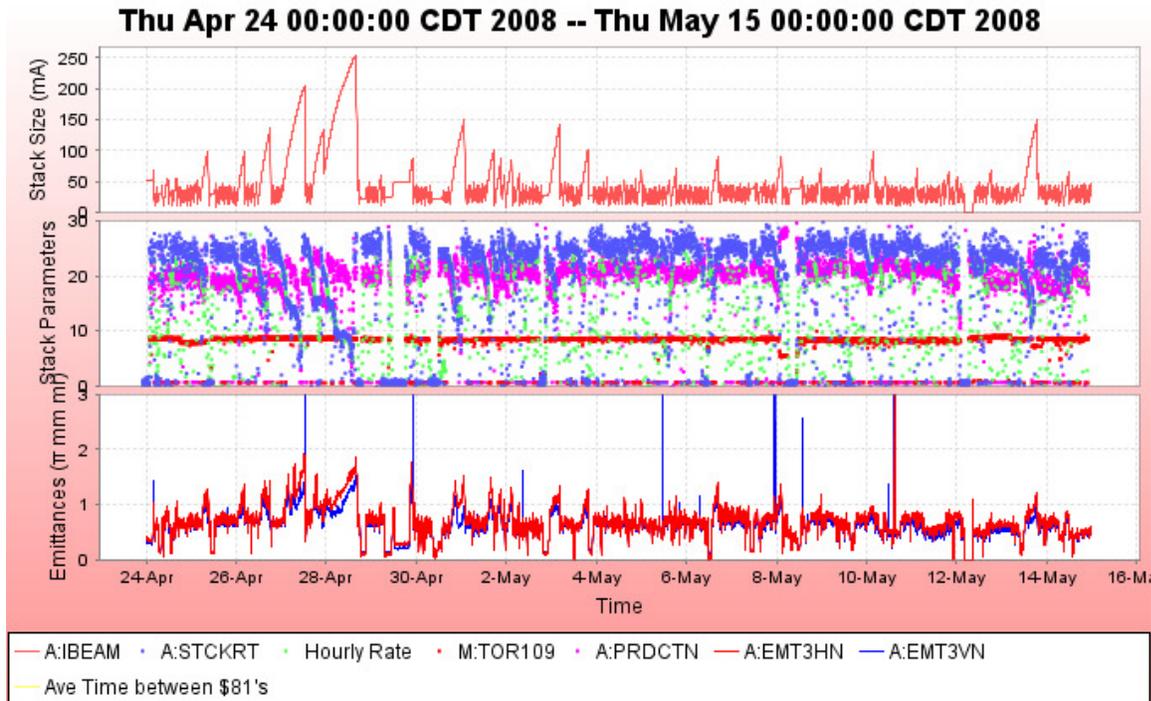


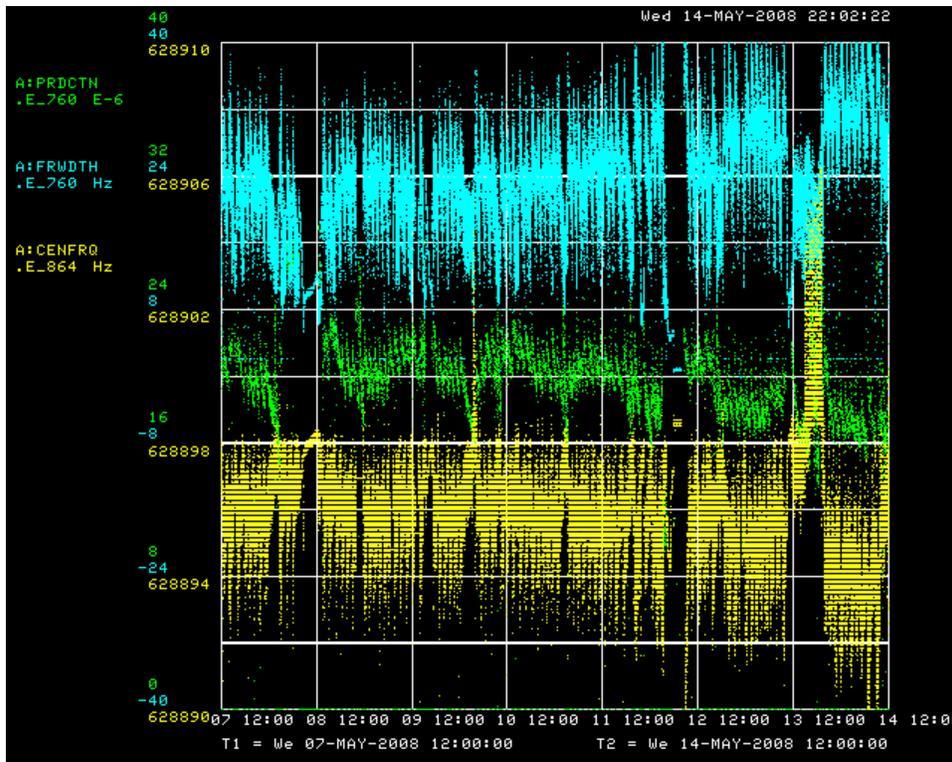
# 2008-05-15 Pbar Department Meeting

Thursday, May 15, 2008  
9:58 AM



- Long time since the last meeting.  
So we will stick to recent issues:  
The exception is to mini-celebrate the latest stacking record of **26.09mA in 1 hour**  
As well as productions over **27**
- Issues
  - Problems
    - Stacktail (?)
    - Target is about done
    - BV728: replaced sector card
    - SEM806: **FIXED** - FE Software bug again(?)
    - D:QSS - bad transducer electronics...shunts went to zero.
    - A:ISEP - lost cable on charge recovery circuit...
    - AP0 Water Skid Trips -
    - Additional ramps for AP1 components
      - Noise in BPMs cleaned up for \$20s and \$21s.
      - When go to interleaved TLGs, this won't work.
    - AP1 Components read backs
      - There were database errors on the transform on readbacks for AP1 quad sample and held reverse proton readbacks.
    - P207/AP0 Wall Current Scope errors
    - ARF1 Off/Isolation -
      - Switch to negative voltage, force integrator to run down.
      - Will revisit next week.
  - Cooling
    - Debuncher Momentum

- Equalizer ready for installation; need characterization meas.
  - Two turn Notch filter
  - Come on 1.2 sec after startup....noticeable cooling, put SEM806 in. This time, momentum cooling better, and beam size not larger like before. Left gain ramps on.
- Core Transverse Systems
  - New equalizer design in process
- Delta Kickers
  - Will center stacktail tanks and re-measure heating
  - Two tank moves back in April when not stacking... went back and checked tanks. One looked good and one looked better where it was before, so two changes offset each other. Put 309H back, and emittances went down.
- Rapid/Rapid Transfers
  - Efficiency is being monitored
  - Longitudinal emittance/profile - last week speeding up unstacking cycle. Backed out of last iteration, but we are on , changes profile of beam in the bucket that gets extracted. Calculation that calculates the long emittance from AP1 wall monitor assumes that the beam distribution is parabolic, is less parabolic, so measured emittance reports too large.
- Lens
  - 10mm-3: Now a viable spare (almost on module)
  - New: filled; Pulsing
  - Stripline study has led to new clamp
- Back Burner
  - Debuncher Tunes
  - Proton Spot Size
  - AP2 Optics
- Leave Calendar
  - Monthly: please fill out effort report on Friday
- On-Call coverage
- Electronics Studies List



- Freq width climbing, cenfrq decreasing.