

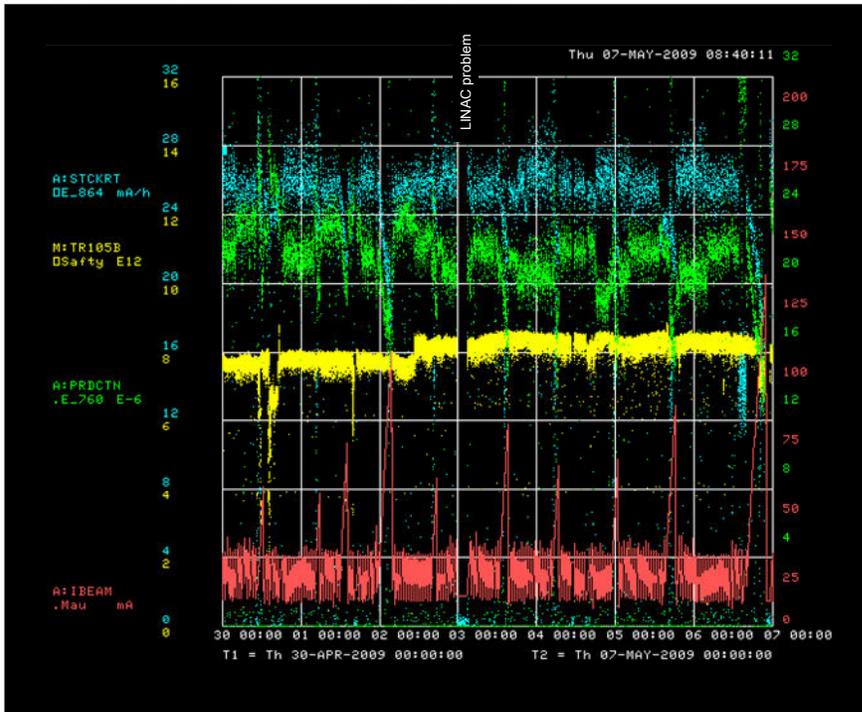
**Record Stacked in  
one week  
3723.85mA  
1/26/09-2/1/09**

**Record Extracted  
in one week  
3709.78mA  
1/26/09-2/1/09**

**Last Week  
3604.93mA**

**Last Week  
3748.25mA**

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- Cookie Record 359 transfers in 166 sets



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- Good week, lots of up time
- Peak stack rates are down.
- Productions during protons loads. 15 sec cycle, 3 events.... Composite devices do funny things
- Last week
  - Prior to Debuncher
    - AP1 Losses
    - Target motion
      - Reached the bottom and now on its way back up.
  - Debuncher
    - Debuncher TWT power/offset
      - Had an offset in one system. When it was off, had 56 watts.
    - DRF1 tune-up
  - D/A
    - D:EKIK timing
      - 100nsec drift

- Obie made a slight change.
- Accumulator
  - A:IKIK HV and vacuum
    - Went up 1KV, to 58.4KV.
    - Will make one more bump up in a week or two.
  - 2<sup>nd</sup> 2-4GHz Core TWT
    - Momentum spread prior to unstacking took a jump up two weeks ago, but we think that doesn't have to do with core momentum cooling. Maybe due to equalizer tweak in stacktail.
  - Spare in kicker shot
    - Under vacuum 10-7
    - Put an RGA on, found hydrogen, water,...
  - Transverse Band 1's trunk delay
    - Both band 1s, clearly better after DVM change.
  - 4-8GHz Kicker replacement update
    - Not too bad.
    - Putting first B half together.
- Transfers
  - Efficiency 96-97% from 25mA
  - Lost Transfers (Q103 wrong value)
  - Failures while running aggregate (ACNET +)
    - FE reboot fixed this.
  - Energy & Phase adjustments
    - When ran \$29s, had an energy mismatch. Blows up longitudinal emittance in the MI.
- General
  - Temperature effects
    - Still seeing this...
  - Get long shutdown jobs into work list
- Other items
  - Long Shutdown Power Outages
  - Shutdown Tours
  - Angels and Demons
    - Questions keep coming
  - [www.antimatterdrink.com](http://www.antimatterdrink.com)
  - Antimattenegy.com
- Shutdown
  - Replace IB7 (when it fails)
  - ~~Convert Stacktail TWT#1 to second 2-4GHz Core cooling TWT~~
  - ~~Stacktail equalizer tweak~~
    - ~~Upstairs no beam for 4hrs~~
  - ~~Braze D:6Q11 water leak~~
    - ~~Next opportunity with Tech Division~~
    - ~~A4S12 is also leaking~~
  - Valeri Proposals
    - Re-introduce equalizers to core transverse systems
  - Re-install AP2 momentum collimator
    - Need to request jaw modifications
  - Move 4-8GHz kicker tank towards AP50 Pit
  - Add second 4-8GHz kicker tank
    - Bake 2 sectors
  - New water manifolds for HV100 magnets
    - Not doing HV102 and V105 manifolds for now
  - Target Station
    - New target SEM
    - Water cooled Target Prep Work
  - Fix the service elevators
  - FESS maintenance
    - Transport sump pump
    - Compressor in AP10 and AP0
    - ~~Drive belts on unit for DRF1 racks~~

- Tunnel-exhaust fans

