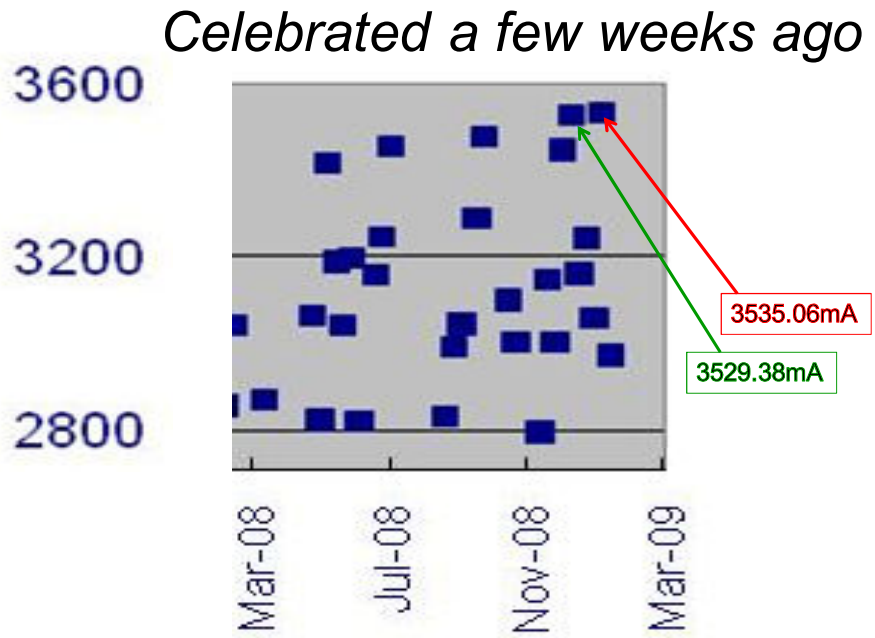
2009-02-05 Pbar Department Meeting

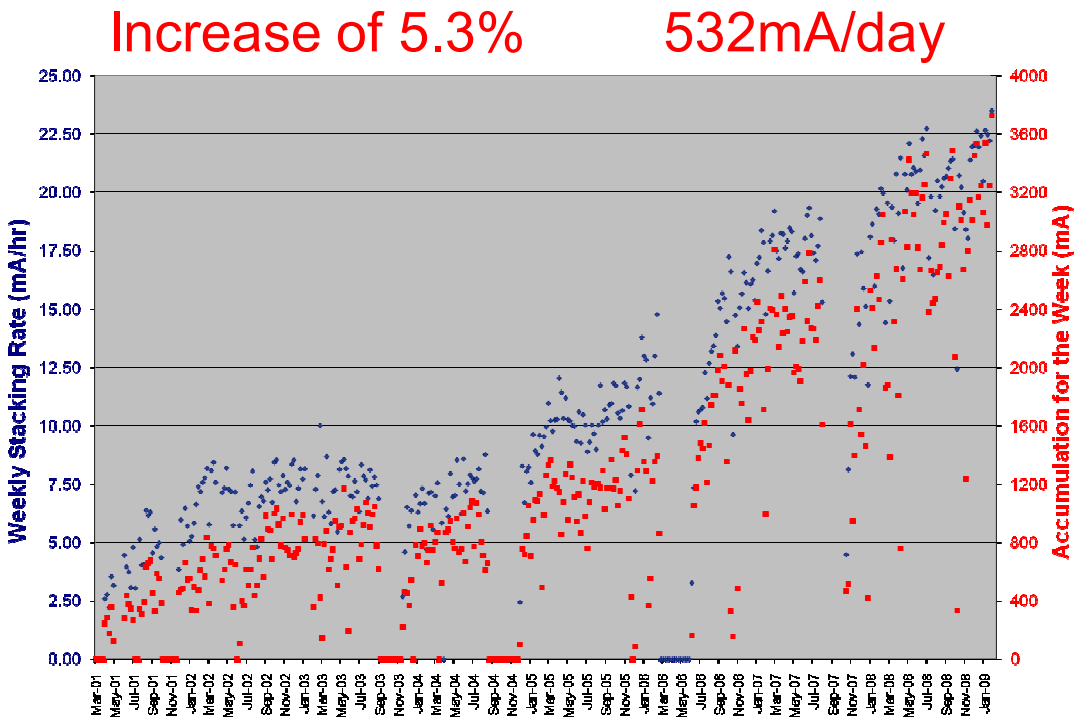
Tuesday, February 10, 2009
1:11 PM

Record pbars produced last week.



Increase of 0.16%

- Another Record this week



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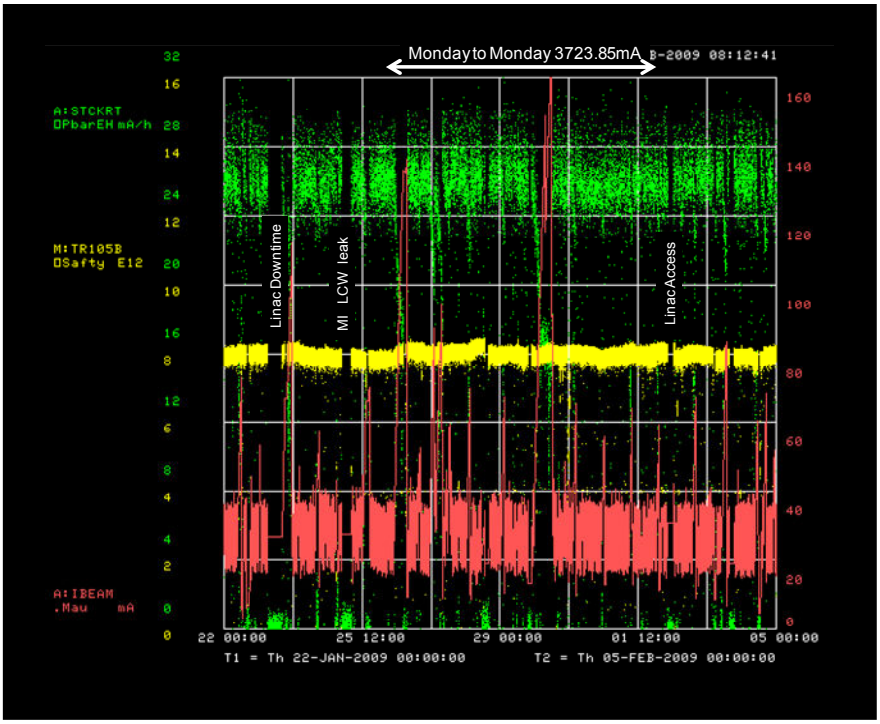

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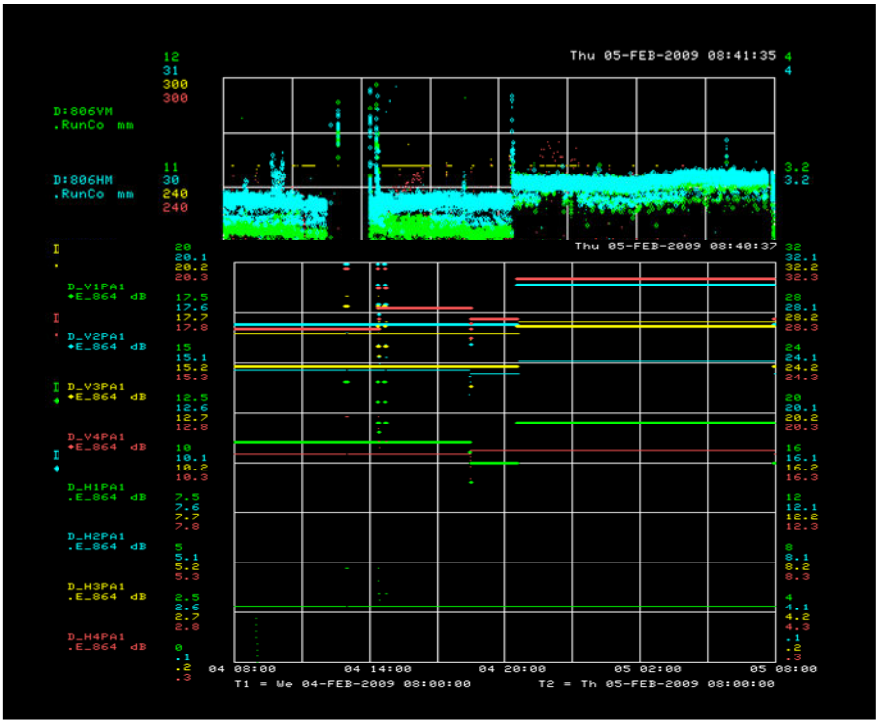
- Performance plot
- Last two weeks
  - Prior to Debuncher
    - I:V714 – still tripping
  - Debuncher
    - Tune scans
    - Gain ramps per band
  - D/A
    - DEX bump timing
    - SEM806
  - Accumulator
    - A:IKIK and vacuum
  - Transfers
    - ARF4 curve – Set markers
    - Efficiency
  - General
    - Front end communication
    - PSI devices



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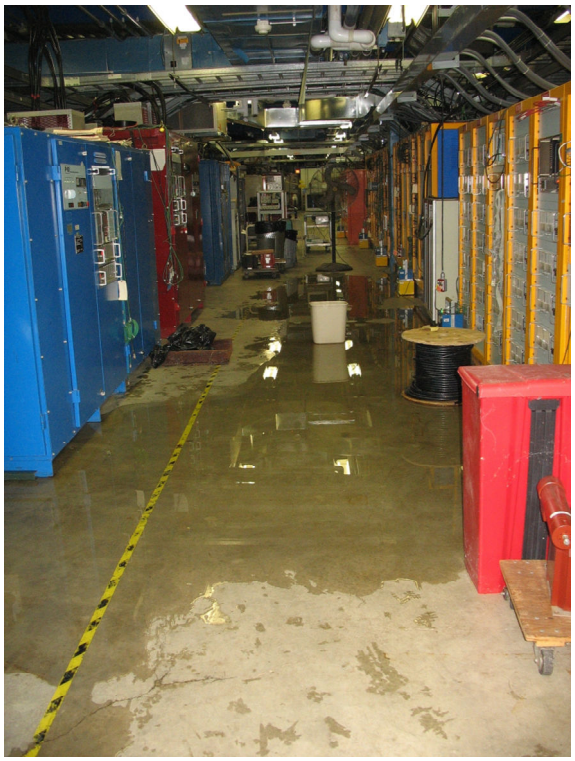
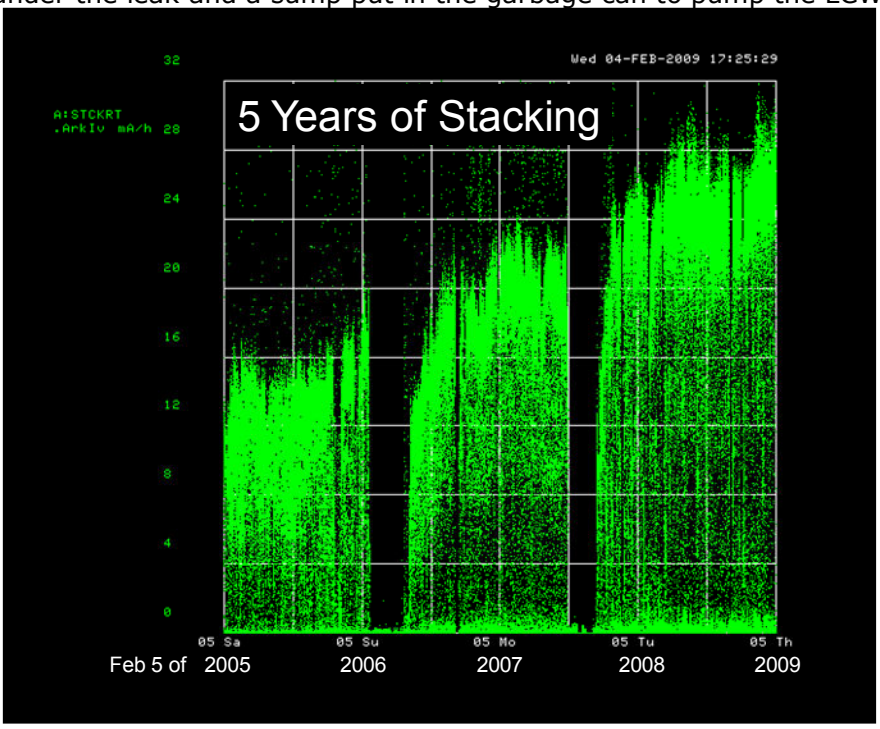
- SEM806 Areas & sigmas datalogged
- Upcoming
    - Valeri 30mA/hr Party
    - Obama addressing DOE
    - Replace IB7 (when it fails)
    - Stacktail equalizer tweak
        - Upstairs no beam for 1-2hrs
    - Braze D:6Q11 water leak
        - Next opportunity with Tech Division
    - Repair DRF1 AC Chilled Water
    - Replace Accumulator transverse cooling systems' amplifiers with TWTs
        - Ready to start in the tunnel
            - will require 4-8 hrs to finish

- 
- DRF1 AC chilled water. As a temporary measure, a 55 gallon metal garbage can was put under the leak and a sump put in the garbage can to pump the LCW outside via garden hose.



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- 5 years of stacking

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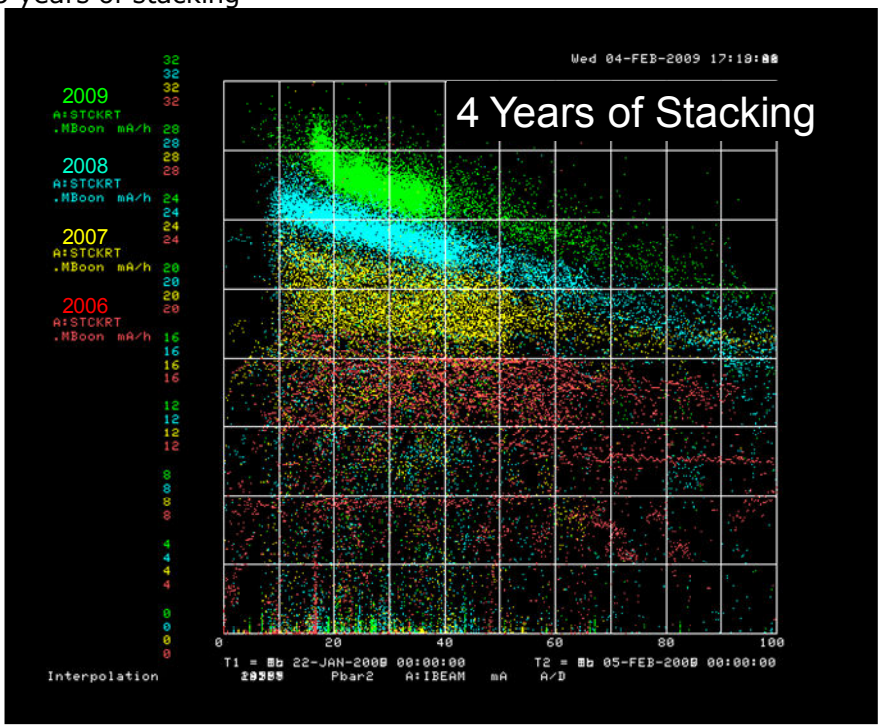

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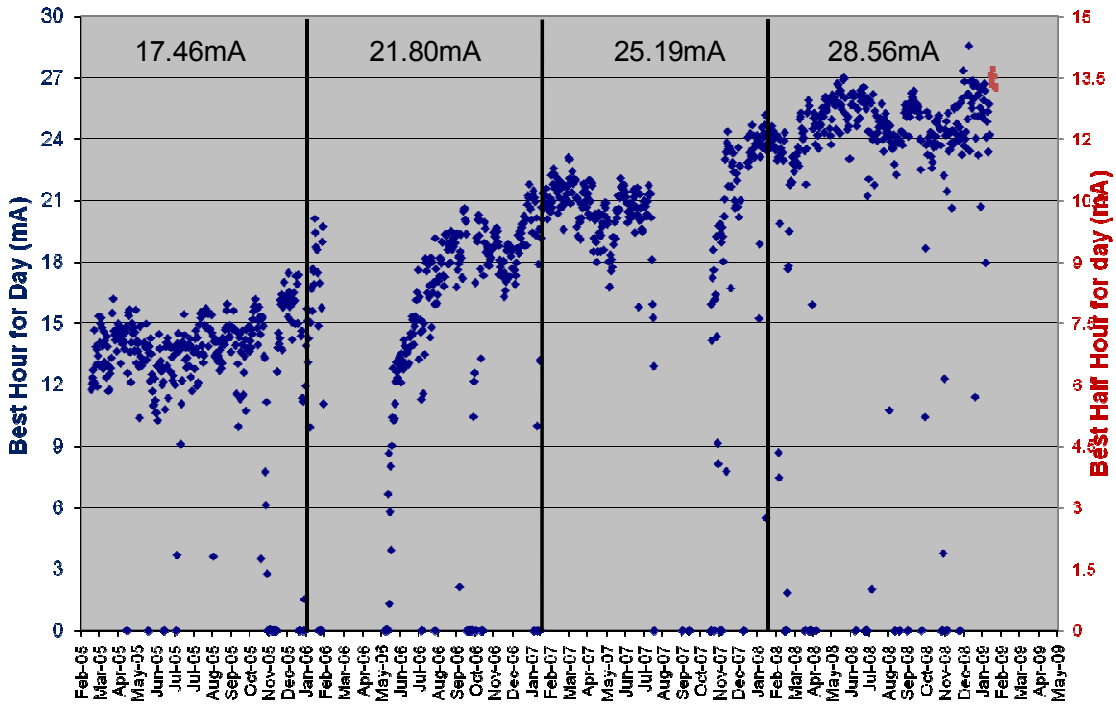
- Four years of stacking



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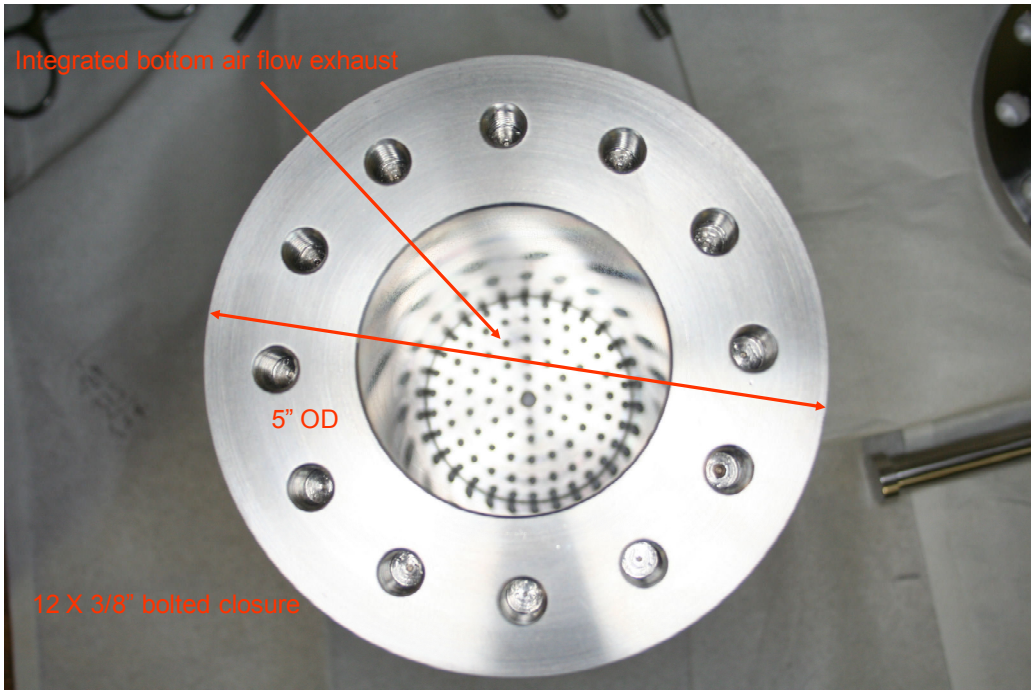
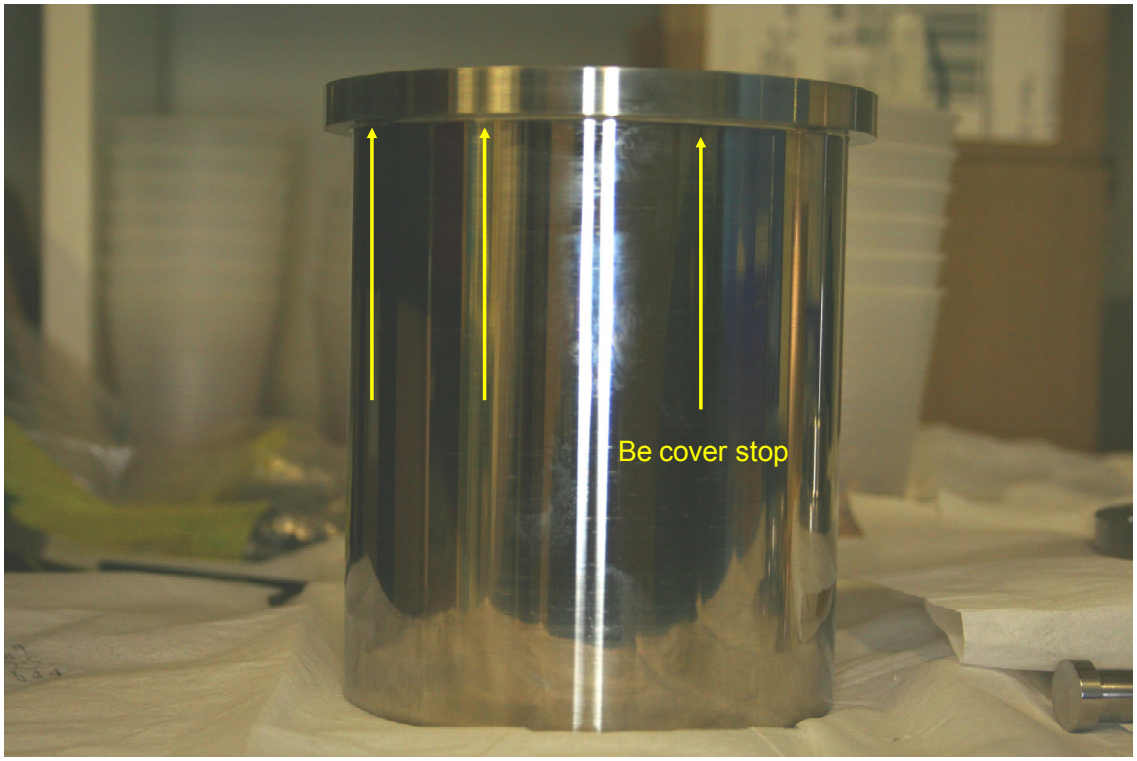
- Best hour (now 30 minutes) of stacking

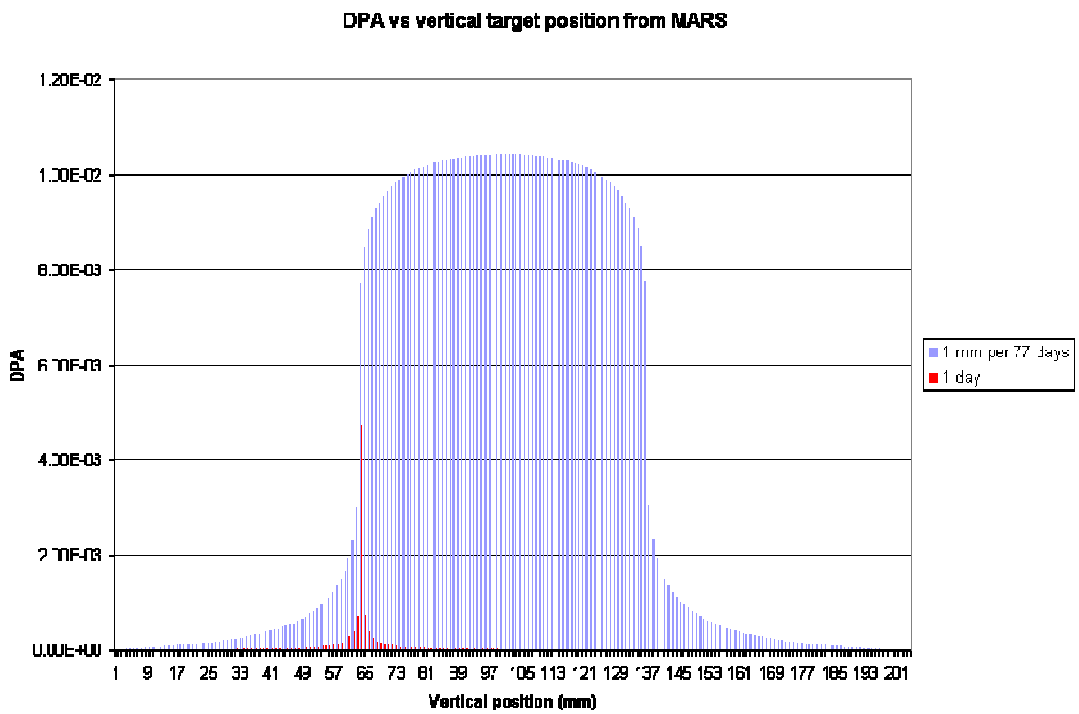
- Target Update:
  - All parts are on hand
  - Final inconel OD machining for beryllium cover fit is complete
  - Assembly begins today
  - Target should be complete by 2/12/09
  - Rotating on test stand by 2/15/09

Rotating on test stand by 2/15/09



Top view of target cylinder


Be cover stop


DPA vs vertical target position from MARS
DPA
1.20E-02
1.00E-02
8.00E-03
6.00E-03
4.00E-03
2.00E-03
0.00E+00
1 9 17 25 33 41 49 57 65 73 81 89 97 105 113 121 129 137 145 153 161 169 177 185 193 201
Vertical position (mm)
1 mm per 77 days
1 day