



# NuMI-MINOS Status Report — Alec Habig

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- FAR DETECTOR: (85.9% live time (wall clock))
  - Rack smoke head testing & cleaning & recovery
  - Hairy weekend, crew called in both days
    - ROP (DAQ crate controller) loses its marbles
    - Chiller glitch on surface (coil shut down to ease heat load)
- NEAR DETECTOR:
  - Small elevator to MINOS hall repaired (firmware flash!)
  - Breaker on Coil PS control panel replaced
  - HV crate controller readback issues, all three spares had independent issues, lost most of the weekend (fresh one from PREP this morning fixes things)
  - All optical connections torqued down properly
- Both detectors now back taking cosmics (Near in reversed Bfield mode), Far integrating atmospheric  $\nu$



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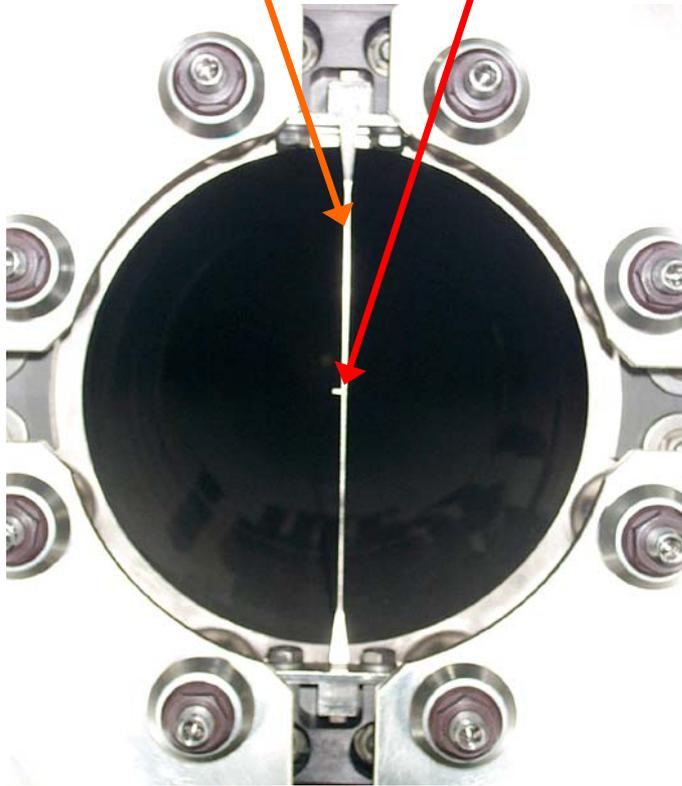
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- NuMI Horn 1 Replacement Status:
- Completed last week:
  - Couple new horn to shield module
    - Upstream hanger alignment problem fixed (but ate contingency day)
  - Horn 1 module moved back to chase
  - Absorber drain line installed, drains cleaned
- This week:
  - Survey complete horn 1 and module in chase (today)
  - Connect water, stripline and instrumentation lines (tonight)
  - Horn pulse testing tomorrow
  - Beam scans of horn position
  - Target module to chase, survey (later this week)
- Beam to NuMI by 9 July

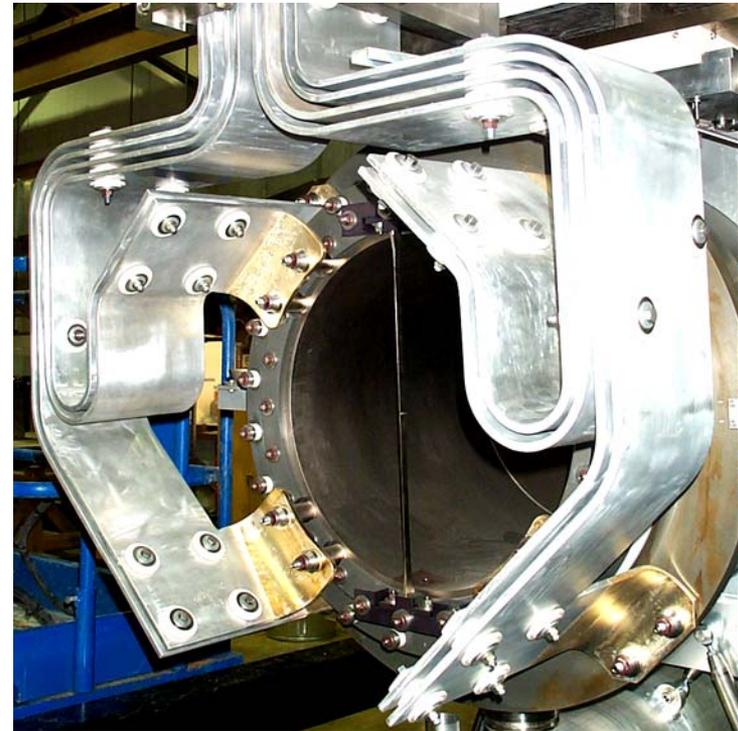


# NuMI-MINOS Status Report — Alec Habig

- Horn alignment beam scan does not use target
- Find **this strip** and **tab** using very low intensity protons and loss monitors, to verify the alignment of the unit



Horn #1



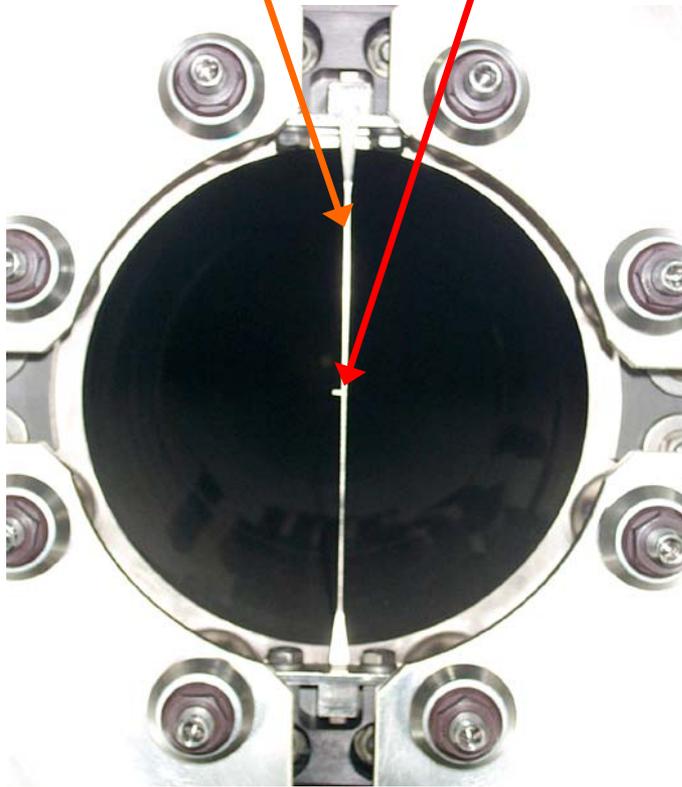
Horn #2 (nicer photo angle)

(photos from Feb 2004 of original horns)

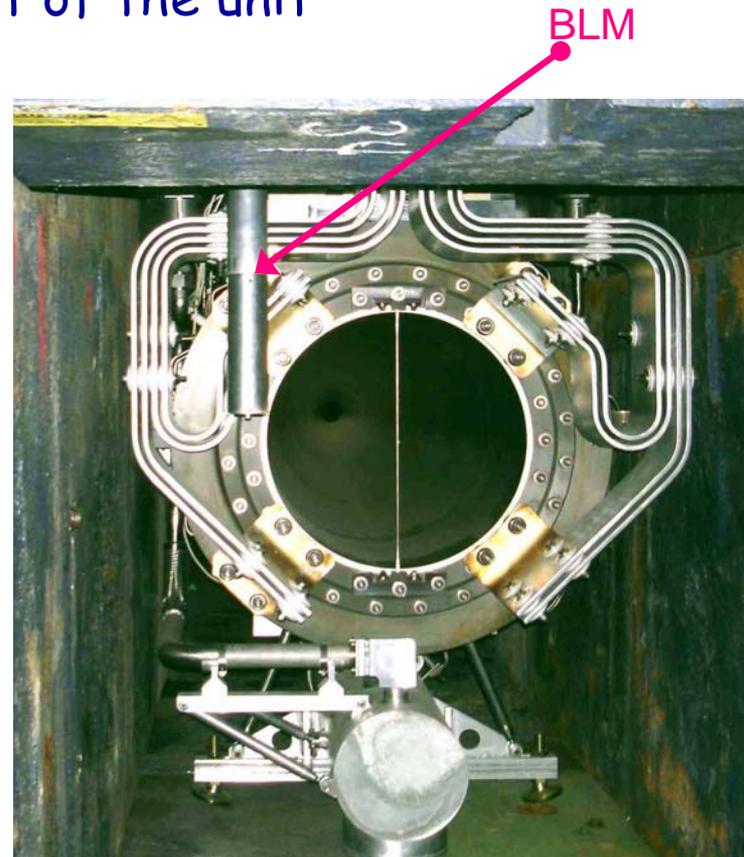


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Horn #1



Horn #2 in chase (looking upstream)

(photos from Feb 2004 of original horns)