

SciBooNE Report

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Weekly Summary Aug 3-Aug 10

- Booster Neutrino Beam

- Running smoothly

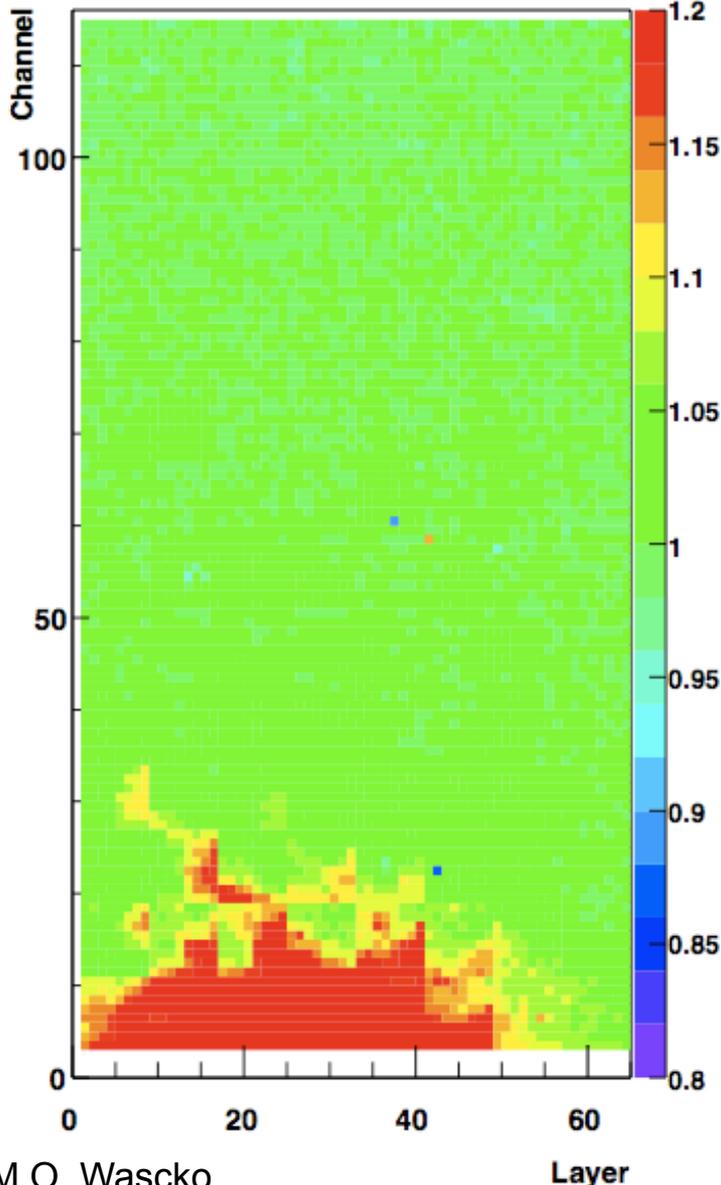
- Uptime fraction: 94%
- Average proton/hr: $2.29E16$
- Average proton/pulse: $4.21E12$

- SciBooNE Detectors

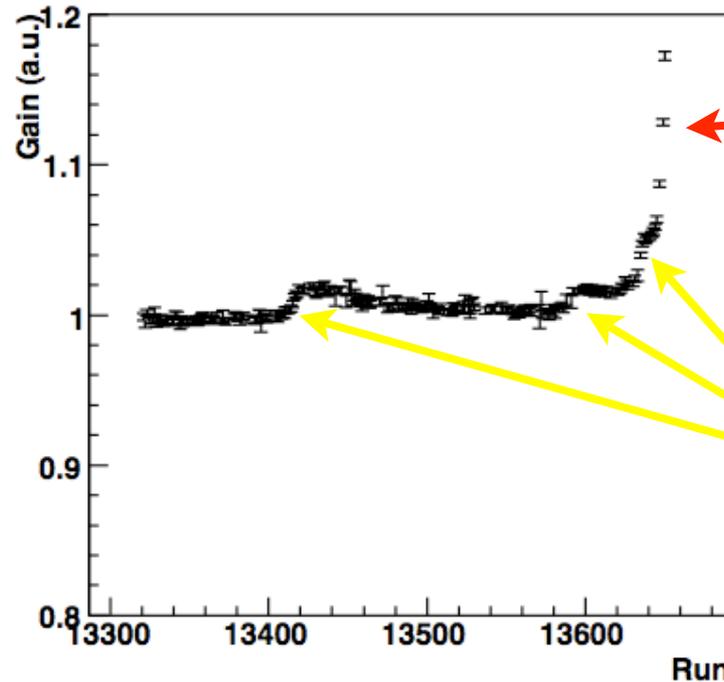
Numbers from B87 (\$1D) 20080803-20080810

- Uptime: 96.8% (period with beam on)
- SciBar: LED light leak Thu, stable otherwise
- EC: stable
- MRD: HV incident Wed, stable otherwise
- DAQ: stable

SciBar Light Leak



View: 0, Layer: 20, Channel: 8



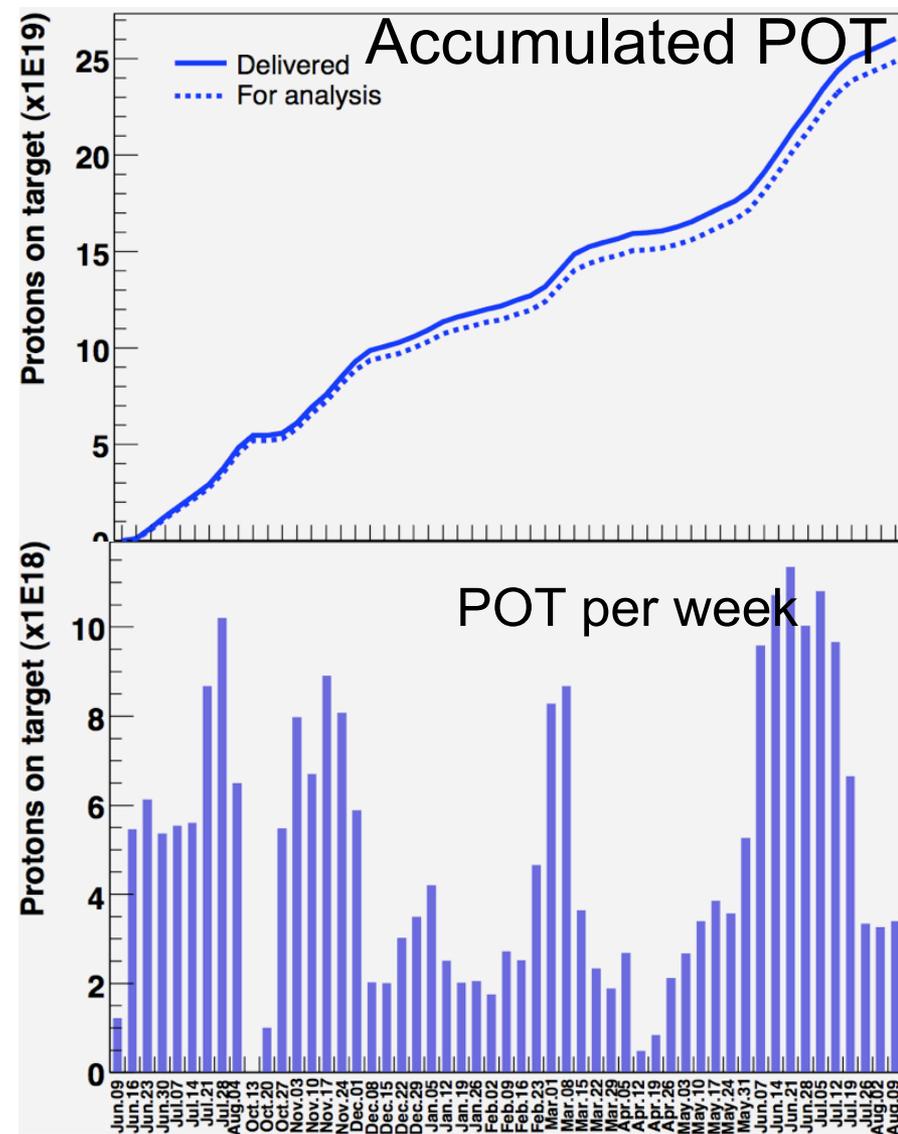
Light leak

HV drifts

- Light shield on calibration LED fell off; extra light into dark box
 - Apparent gain increase
 - Affects LED events *only*
- Fixed by on-call experts

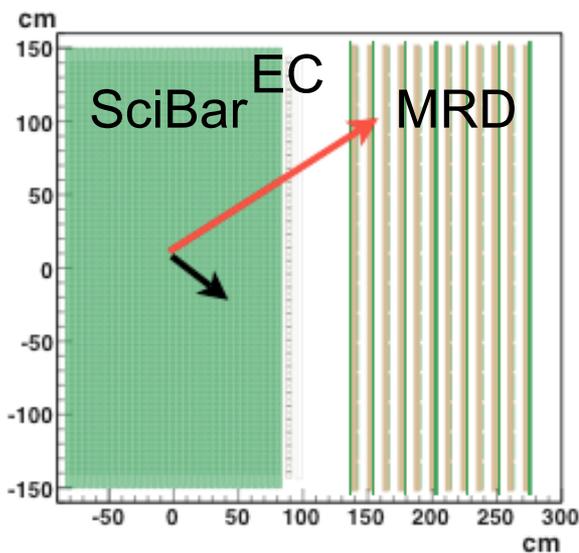
Protons On Target

- POT Collected
 - (Aug 3-9)
 - 3.30E18 POT delivered,
 - 3.29E18 POT for analysis.
- Total POT ($\bar{\nu}$ mode) 1.49E20
- Total POT ($\nu+\bar{\nu}$) 2.48E20

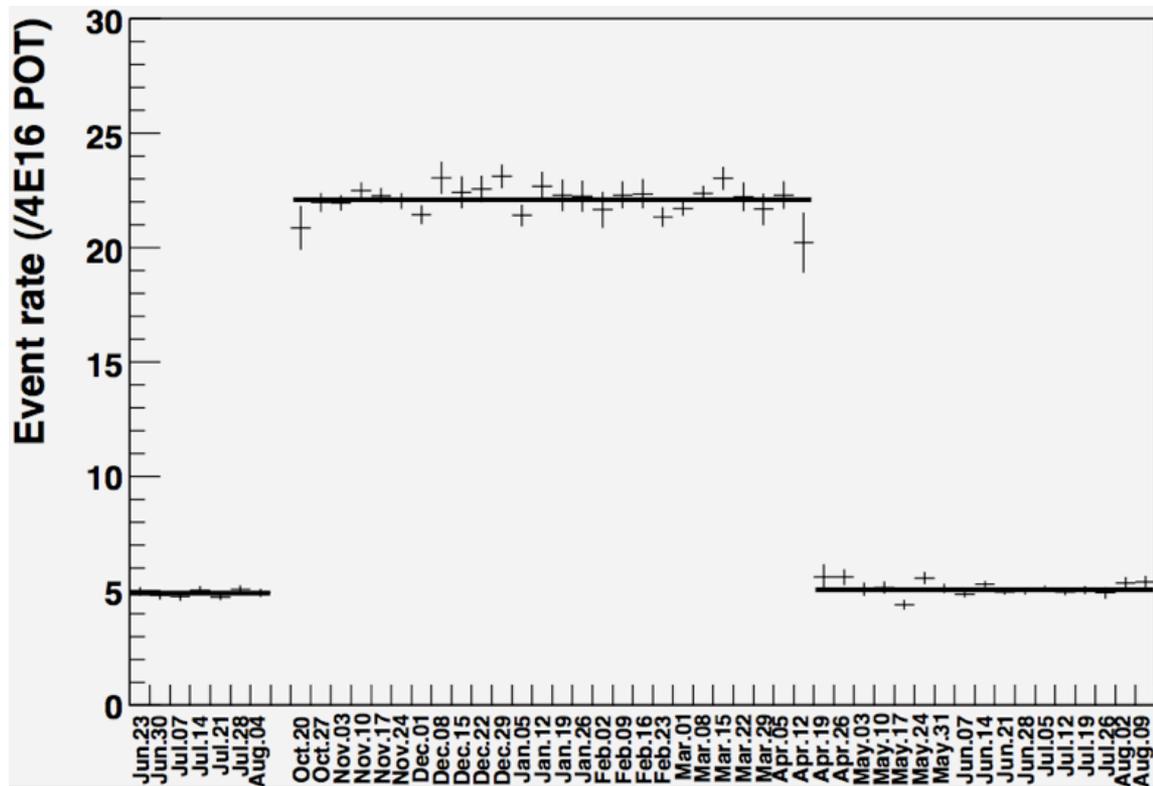


POT normalised event rate

- Charged current event candidates in SciBar.
 - Stable within stat. error.
- ➔ Stable operation of beam & detector.



Event rate per week



Decommissioning begins Aug 18