



NuMI-MINOS Status Report – Bob Zwaska

- FAR DETECTOR: Alec Habig
- 99.7% livetime this week
- No major activities - 2' of snow, but detector is fine in its cave
- NEAR DETECTOR: Alec Habig
- Took advantage of Linac problems for maintenance
 - Replaced trigger card for cosmics
 - Effectively, 1 plane was dead for cosmics
 - Beam running was not affected
- Filter installed on coil current readback
 - Reduced noise in Detector Control System
 - Resulted in some coil-off running
- Reliability gains are being seen from electronics maintenance over the shutdown
- 99% livetime this week



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- BEAM SYSTEM STATUS:
- 2+5 mixed mode operation - 2.2 sec. cycle time giving ~ 140 kW
(pre shutdown typically 175 - 180 kW)
- Occasionally higher powers of 190 & 230 KW
- 2.2×10^{18} POT for this week

Downtimes:

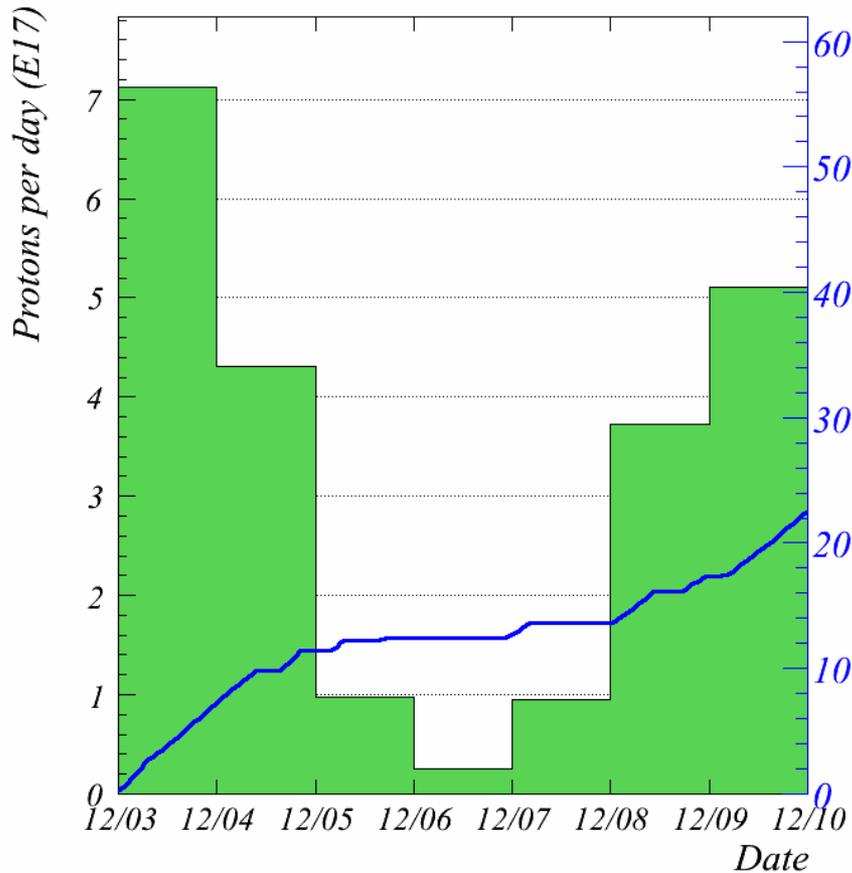
Linac vacuum problems, intermittently

Munter Dehumidifiers (more later)

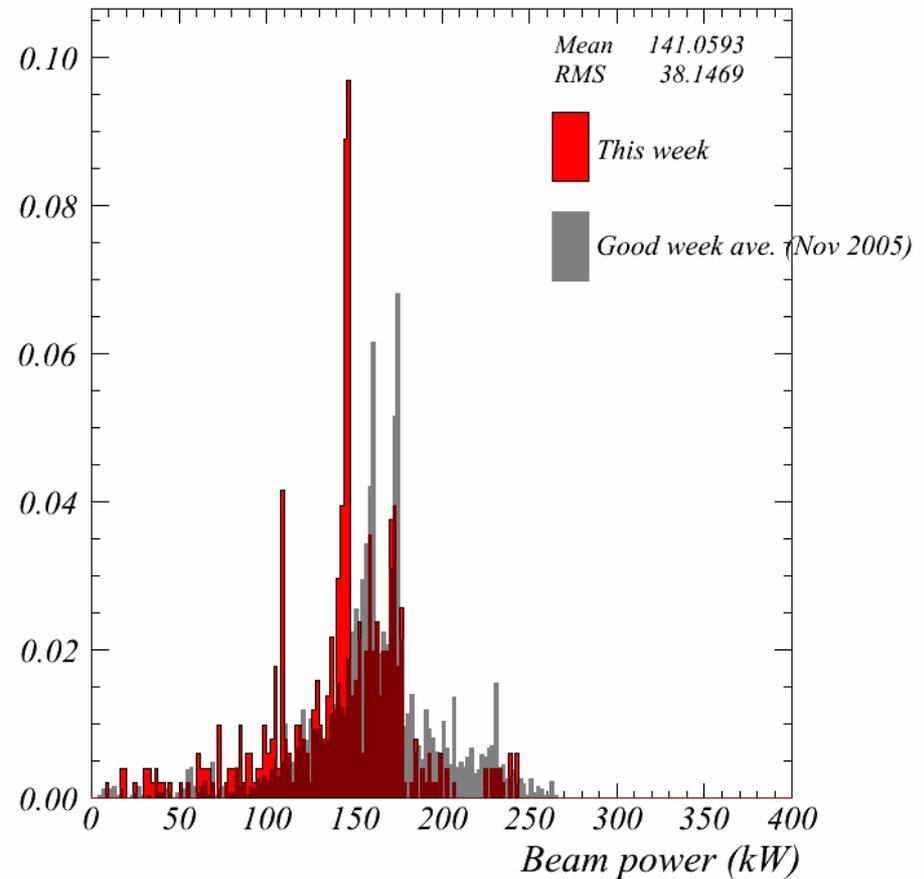


Weekly Intensity Plots

Week to 00:00 Monday 10 December 2007



Week ending 00:00 Monday 10 December 2007

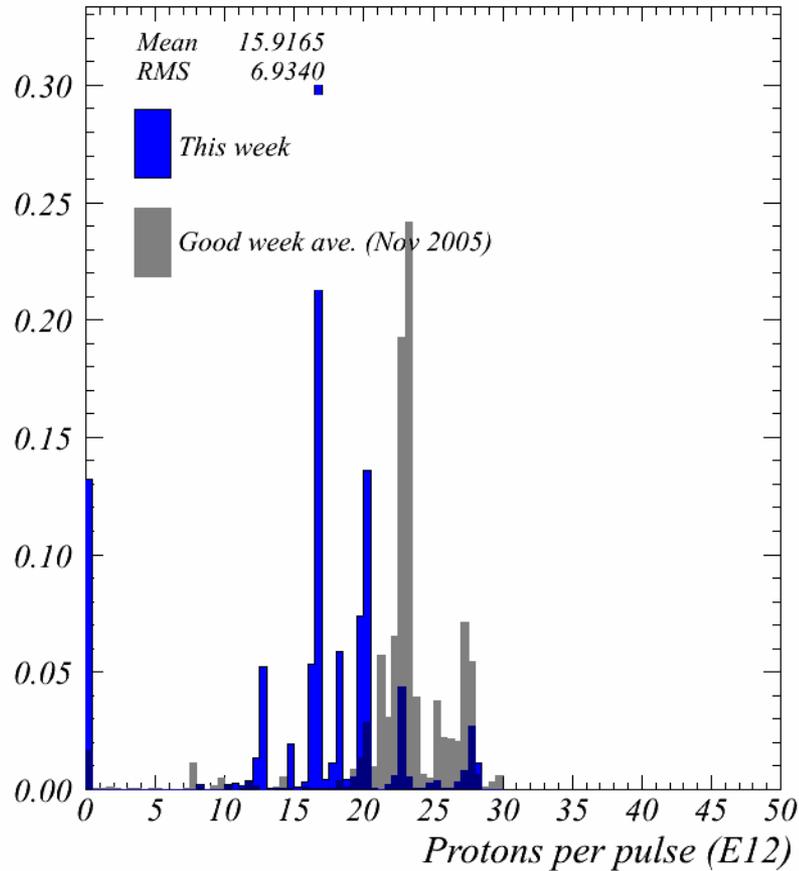




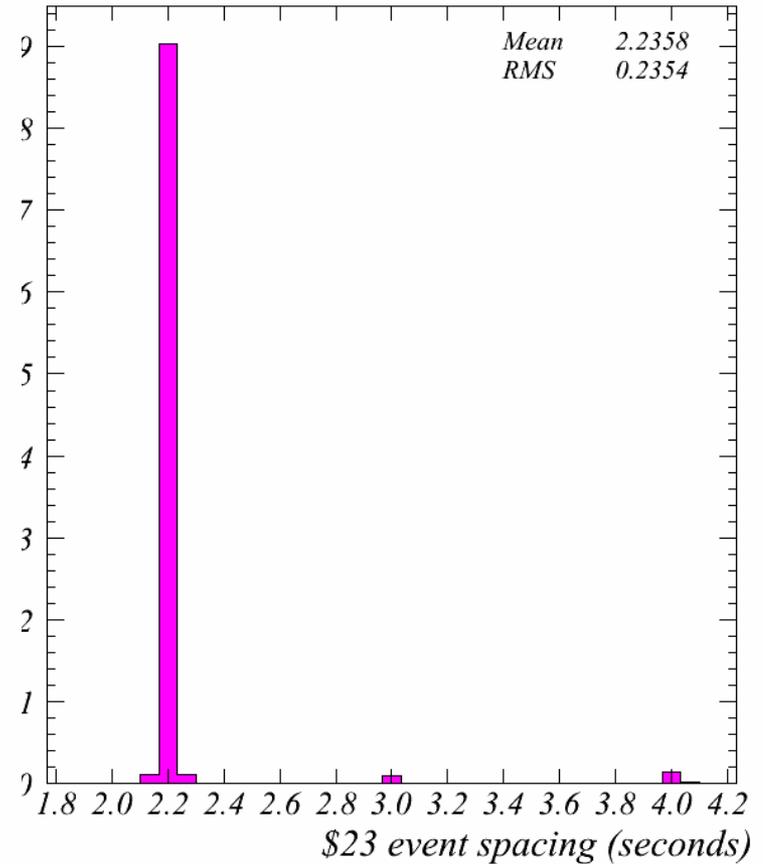
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All Exp Mtg
Dec 10, 2007

Week ending 00:00 Monday 10 December 2007



Week ending 00:00 Monday 10 December 2007

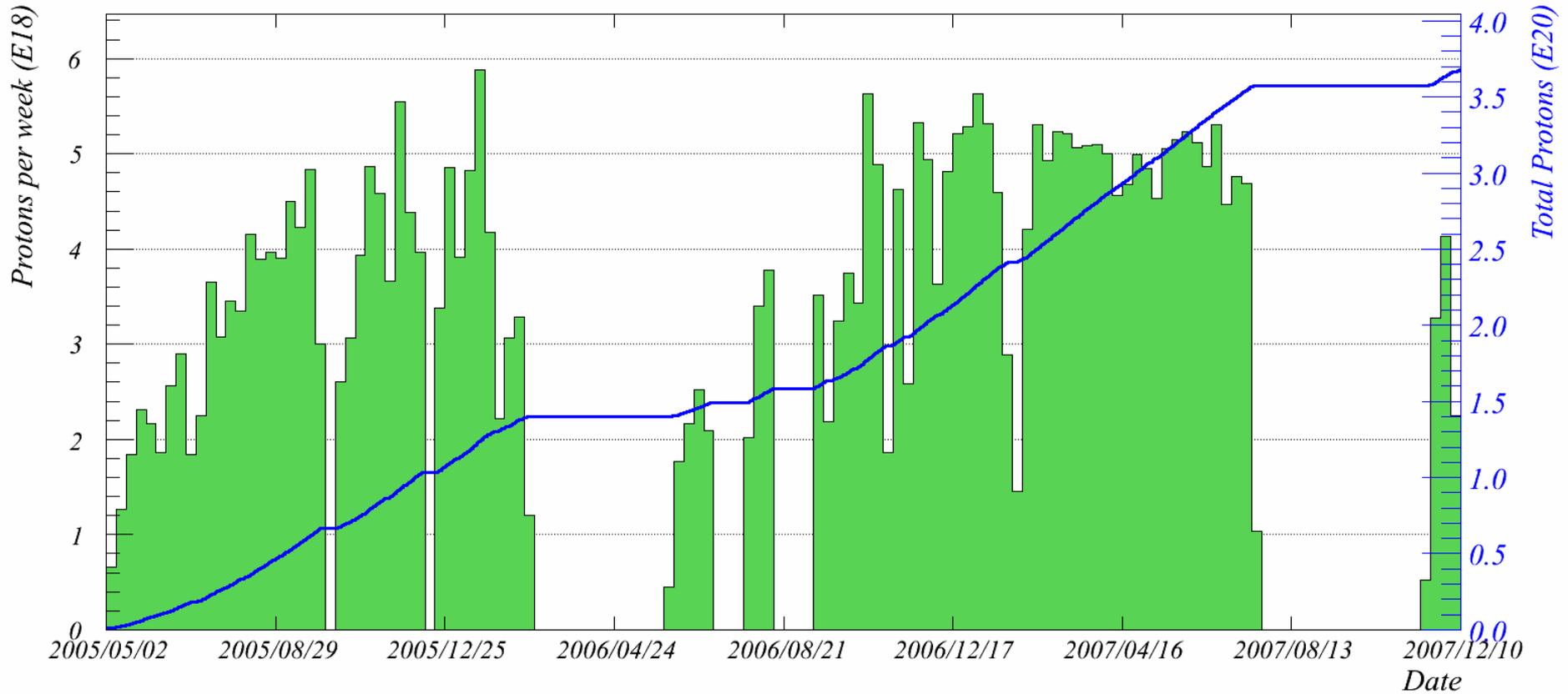


cycle time



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Total NuMI protons to 00:00 Monday 10 December 2007





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NuMI Target Pile Dehumidifier Update

Munters Dehumidifiers are off due to power cabling problems

To prevent radiation damage, the electronic controls were sited in another room, several hundred feet from the units.

Cables were damaged during pull through conduits.

Damage is localized outside of target hall.
Work continues with beam.

A short access will be required to turn dehumidifiers back on. Try to coordinate with other shutdown (~ Wednesday)

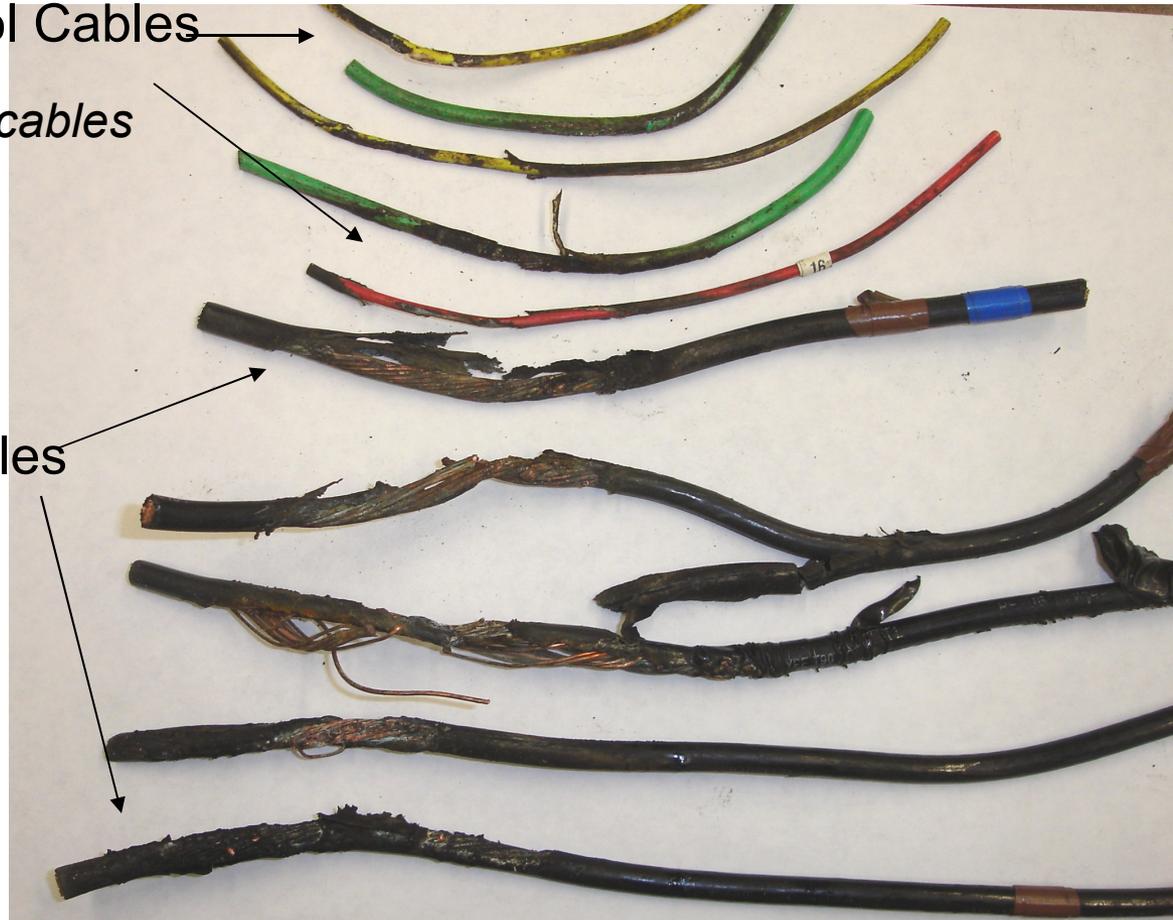




Power/Control Cable damage

120 V Control Cables

Singed by 480 V cables



480 V Power Cables

Damaged on installation?