

In the past week:

**MiniBooNE received 4.86.E18 POT,
Maximum Protons/hour 8.28 E16 (10/12/2005)
the uptime was 73.4%,
the average Booster batch had 3.40.E12 protons, and
the average Booster rep rate was a 3.40. Hz.**

The major downtimes were:

**26.5 hours Booster Water (16.0% of the week)
5 hours Booster MKS04 power supply (3.0% of the week)
4 hours Booster correction element repairs (2.4% of the week)
3.5 hours Booster access for MKS06 (2.1% of the week)
3 hours Main Injector access (1.8% of the week)**

**The sum of the above downtimes is 42 hours or 25% of the week.
The total downtime was 26.6% of the week.**

This week:

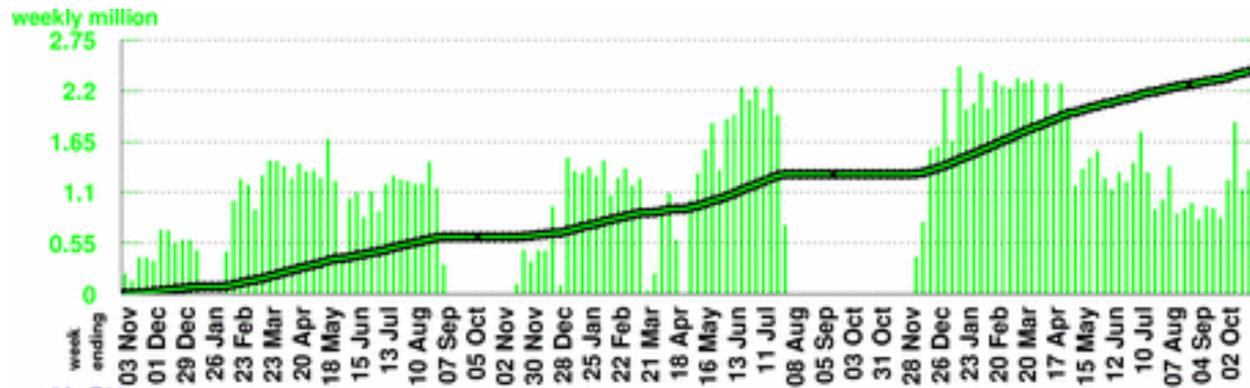
**We'll ask for a short period of beam-off time on Friday for LMC alignment,
followed by a few hours of low intensity running.**

**MB Report
AEM 051030**

DAQ inefficiency 0.2 to 0.5%

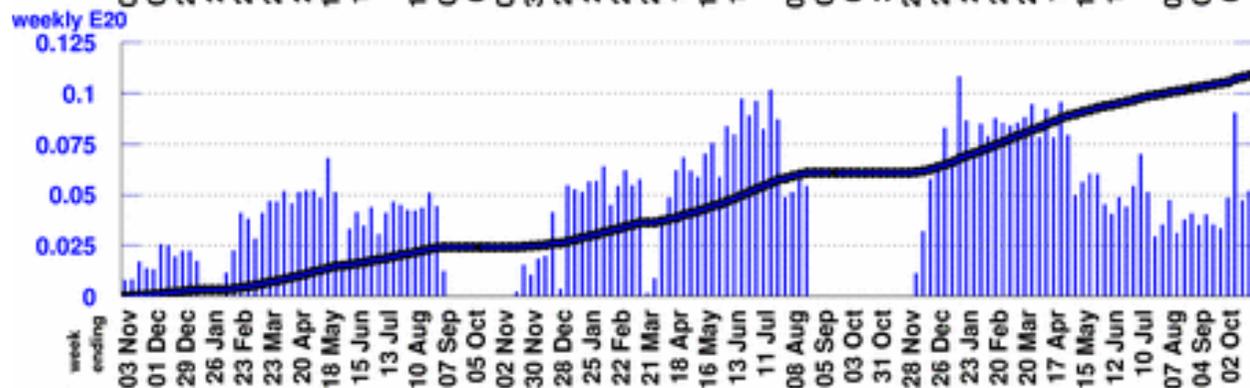
Quality cuts < 5%

➔ >95% of POT result in analyzable data.



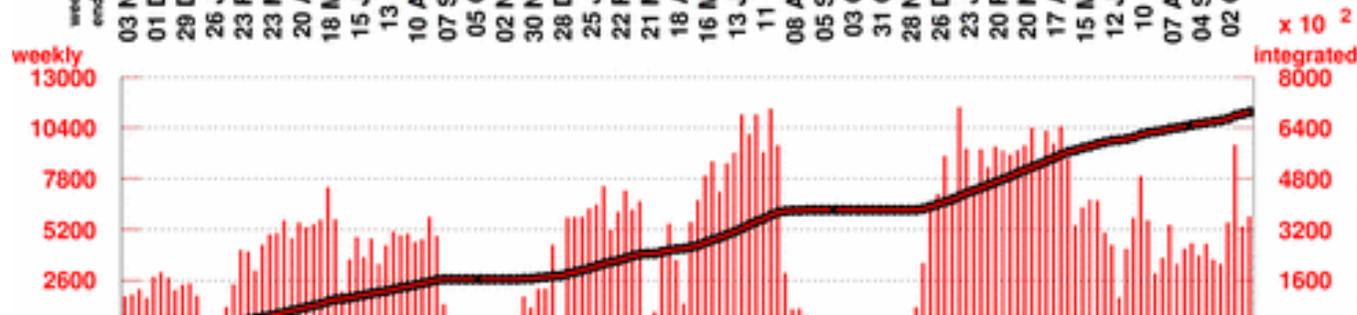
Number of Horn Pulses

To date: 157.96 million
Largest week: 2.46 million
Latest week: 1.34 million



Number of Protons on Target

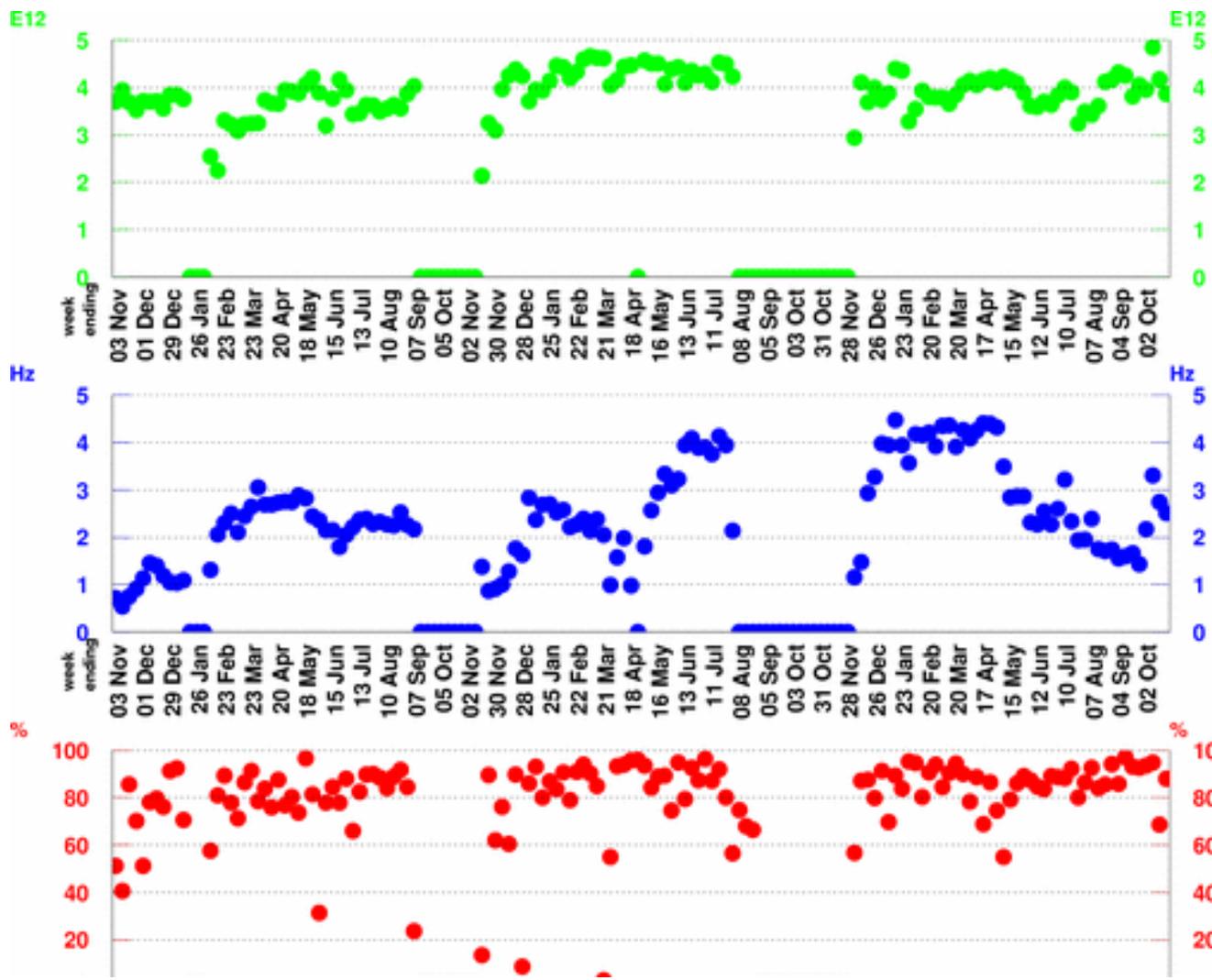
To date: 6.5314 E20
Largest week: 0.1084 E20
Latest week: 0.0518 E20



Number of Neutrino Events

To date: 690528
Largest week: 11447
Latest week: 5869

MB Report
AEM 051030



POT per Horn Pulse

Largest week: 4.85 E12
 Latest week: 3.87 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz
 Latest week: 2.51 Hz

Beam Uptime Fraction

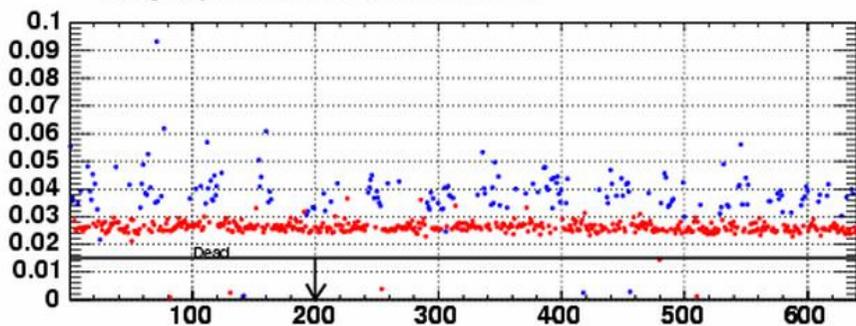
(fraction of time with beam)

Largest week: 97 %
 Latest week: 88.1 %

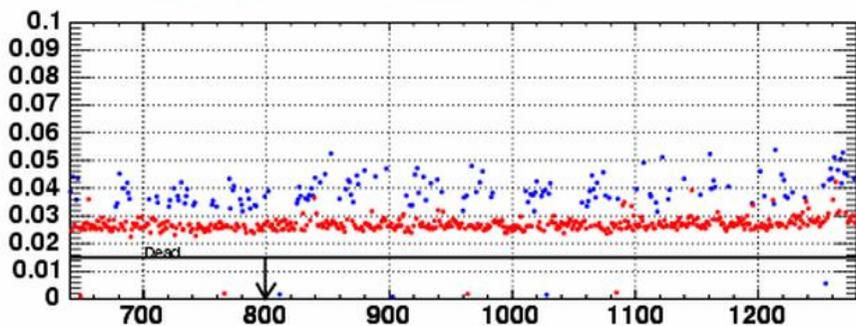
Channel Occupancy (All Hits)

● Old PMT ● New PMT

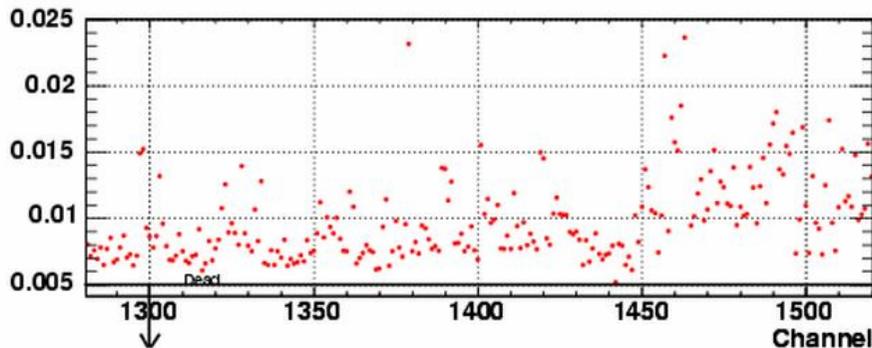
Occupancy: Tank PMTs vs. Channels 1-640



Occupancy: Tank PMTs vs. Channel 641-1280



Occupancy: Veto PMTs vs. Channel



Summary of Low

Rate < 0.

Known problematic Tank channels

DAQ	Crate	Card	Chan.	Rate
82	1	11	2	0.0008+/- 0.0000
142	2	2	6	0.0013+/- 0.0000
254	2	16	6	0.0037+/- 0.0000
418	4	5	2	0.0024+/- 0.0000
456	4	9	8	0.0028+/- 0.0000
510	4	16	6	0.0011+/- 0.0000
649	6	2	1	0.0008+/- 0.0000
766	6	16	6	0.0019+/- 0.0000
811	7	6	3	0.0015+/- 0.0000
903	8	1	7	0.0007+/- 0.0000
964	8	9	4	0.0017+/- 0.0000
1028	9	1	4	0.0014+/- 0.0000
1255	10	13	7	0.0055+/- 0.0000

Rate < 0.

Known problematic Veto channels

DAQ Chan. Crate Card Chan. Rate

Neutrinos from the NuMI beamline in MiniBooNE

Alexis A. Aguilar-Arevalo
Columbia University

Study of the backgrounds to neutrino appearance signal at MiniBooNE

Zelimir Djuricic
Columbia University

Constraining the Kaon Content in the MiniBooNE Secondary Beam with the Little Muon Counter

Robert H. Nelson
University of Colorado, Boulder

Neutrino Cross Section Studies at MiniBooNE

Janet M. Conrad
Columbia University

Antineutrino Running at MiniBooNE

Morgan O. Wascko
Louisiana State University

MB Report
AEM 051030