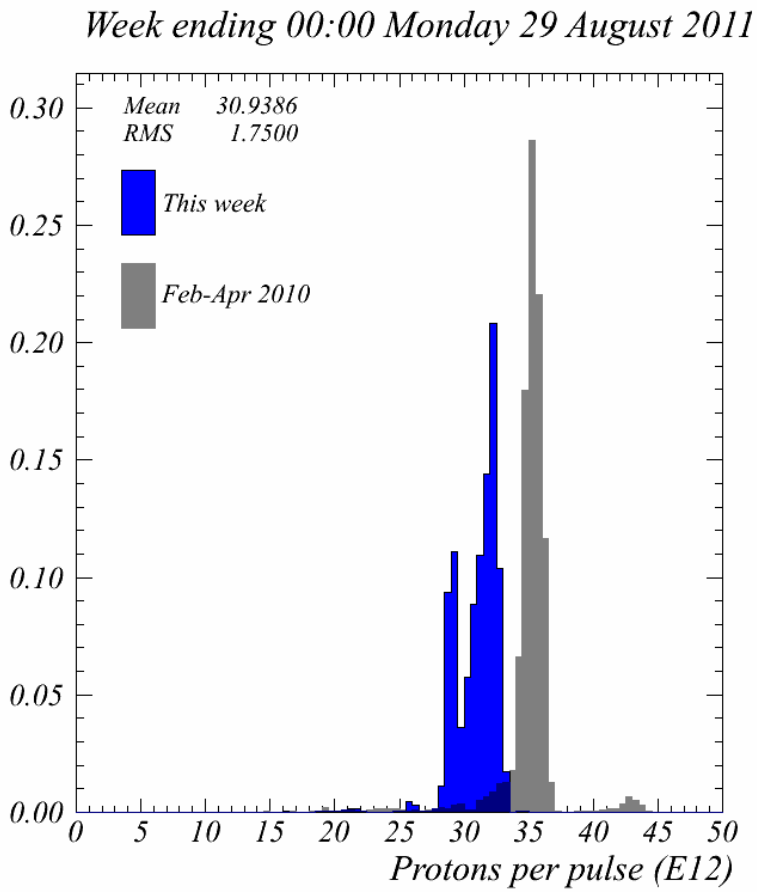
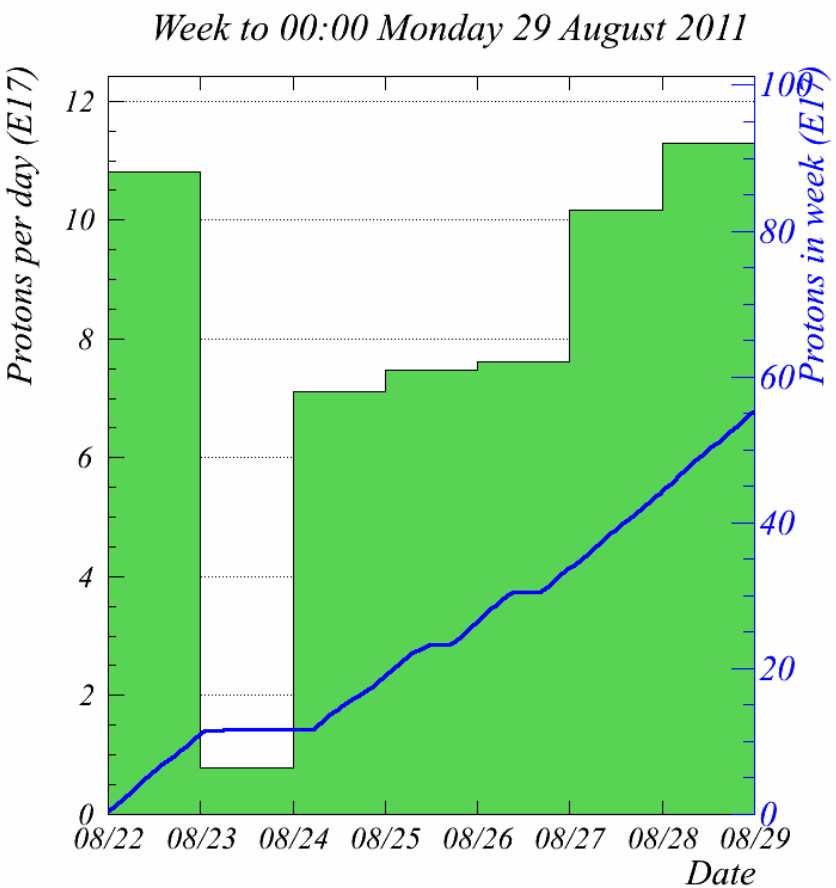
NuMI-MINOS Status Report – Benton Pahlka

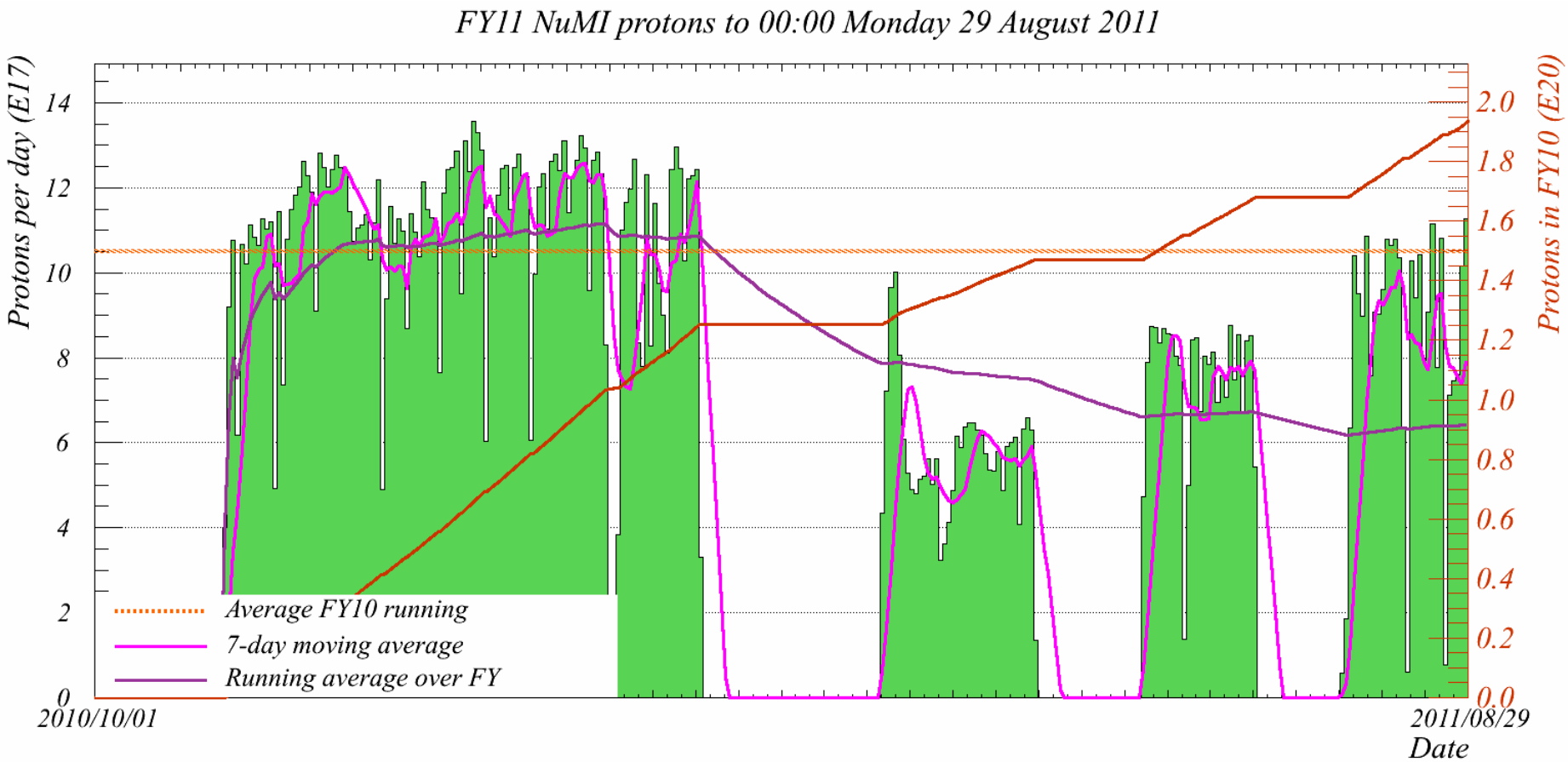
- Intensity slightly lower than normal, but improving: ~32 × 10^{12}
- 55 × 10^{17} POT taken last week in reverse horn current (anti-neutrino) mode





NuMI-MINOS Status Report

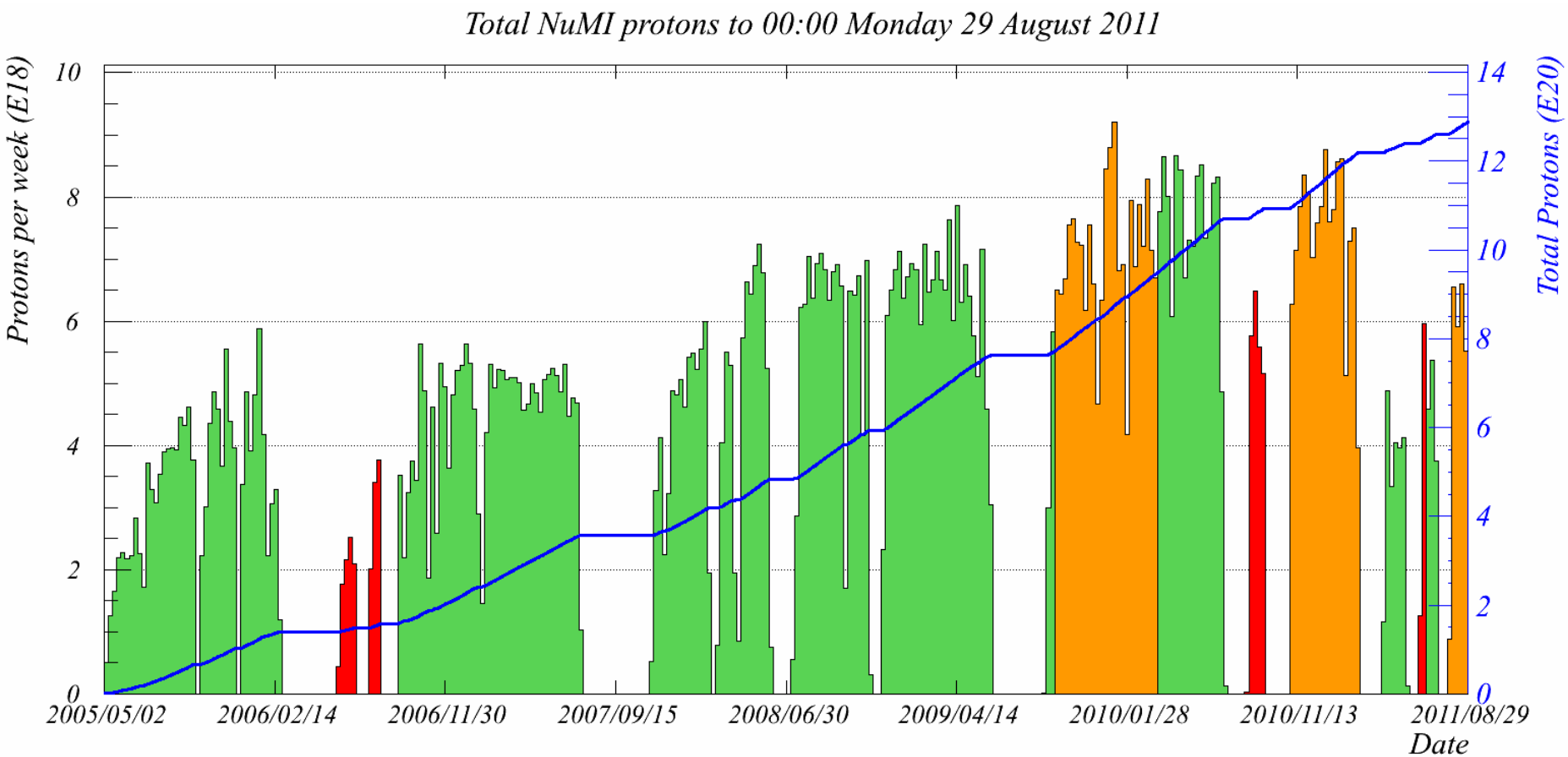
- FY11: 1.94 × 10^{20} POT



NuMI-MINOS Status Report

Protons on Target (since 2005)

- Total Protons: ~12.9 × 10^{20}



NuMI-MINOS Status Report

Live Time: 99.5% good physics data
POT Fraction: 99.4% good physics data

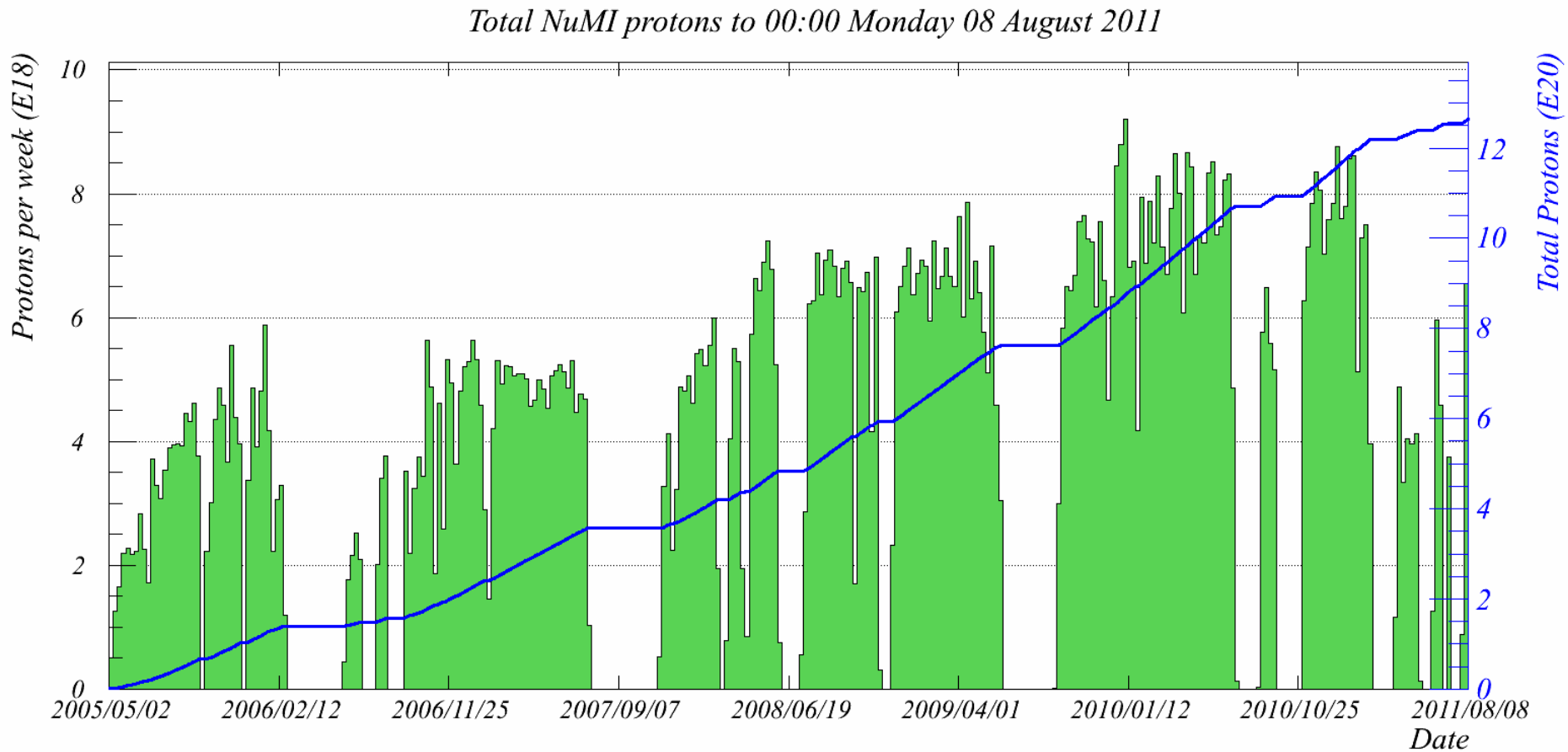
- Crate temperatures a bit high
- Changed filters last week
- Plans for new chiller, but will check fans

NuMI-MINOS Status Report

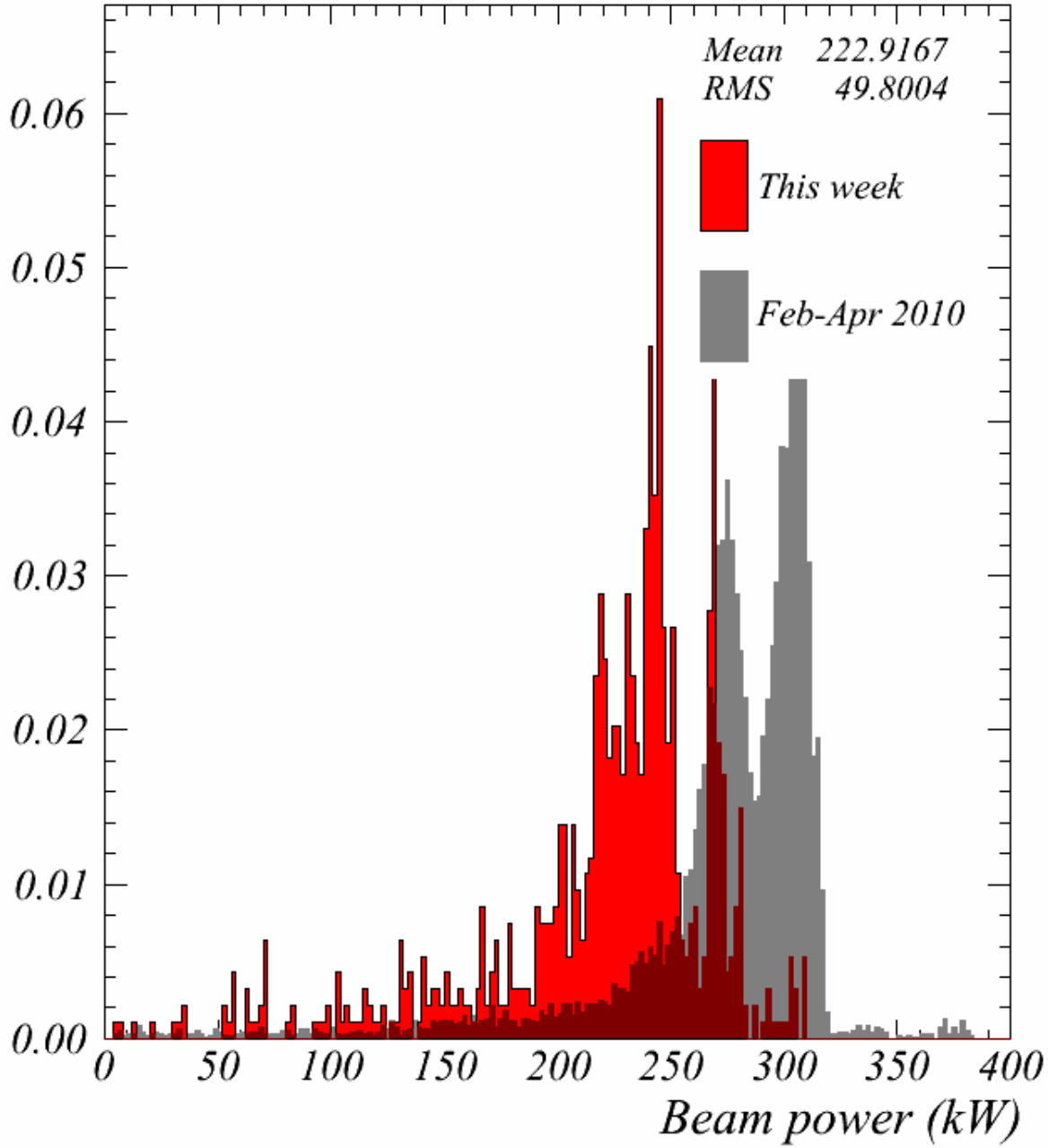
Live Time: 98.7% good physics data
POT Fraction: 98.5% good physics data

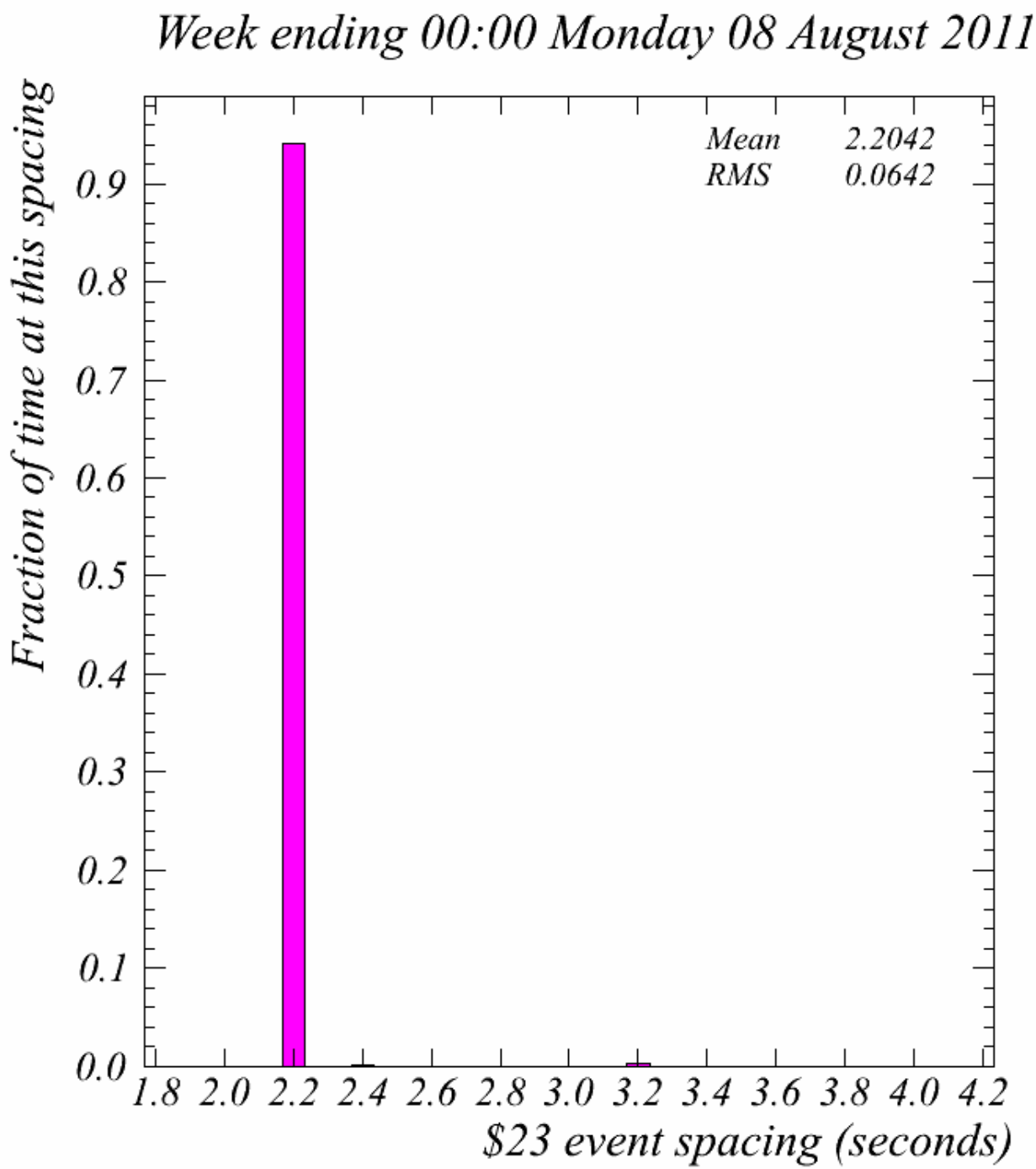
- No problems last week after lots of hardware replacement

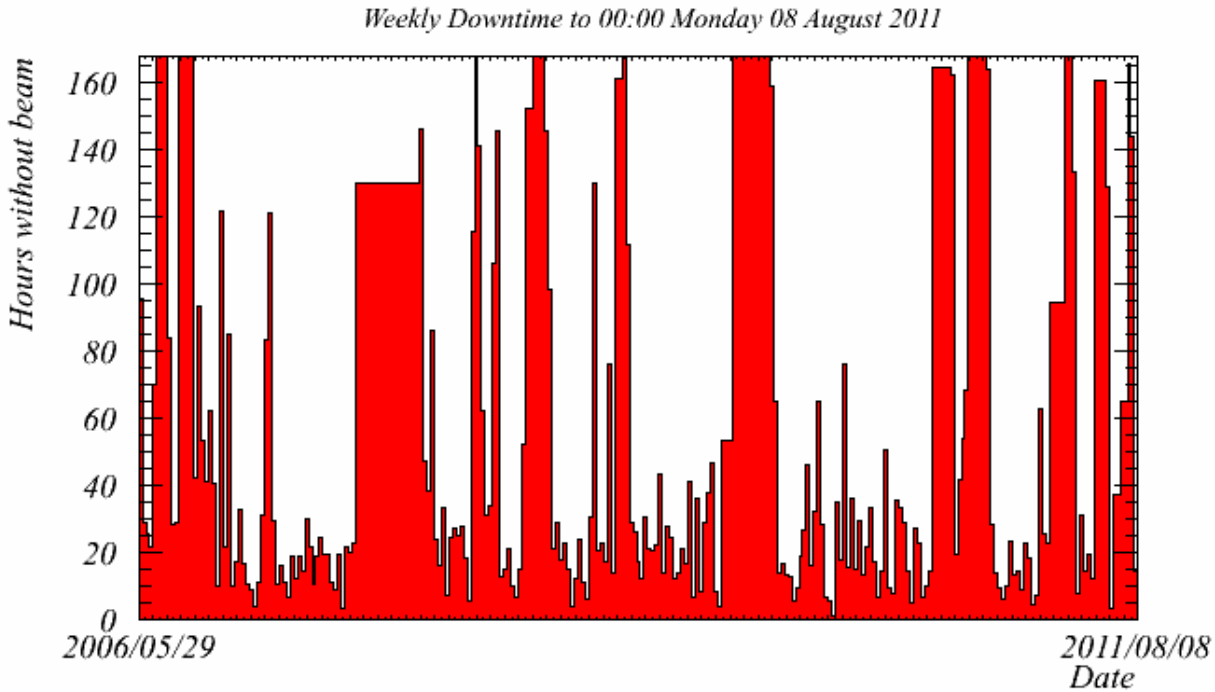
Backup

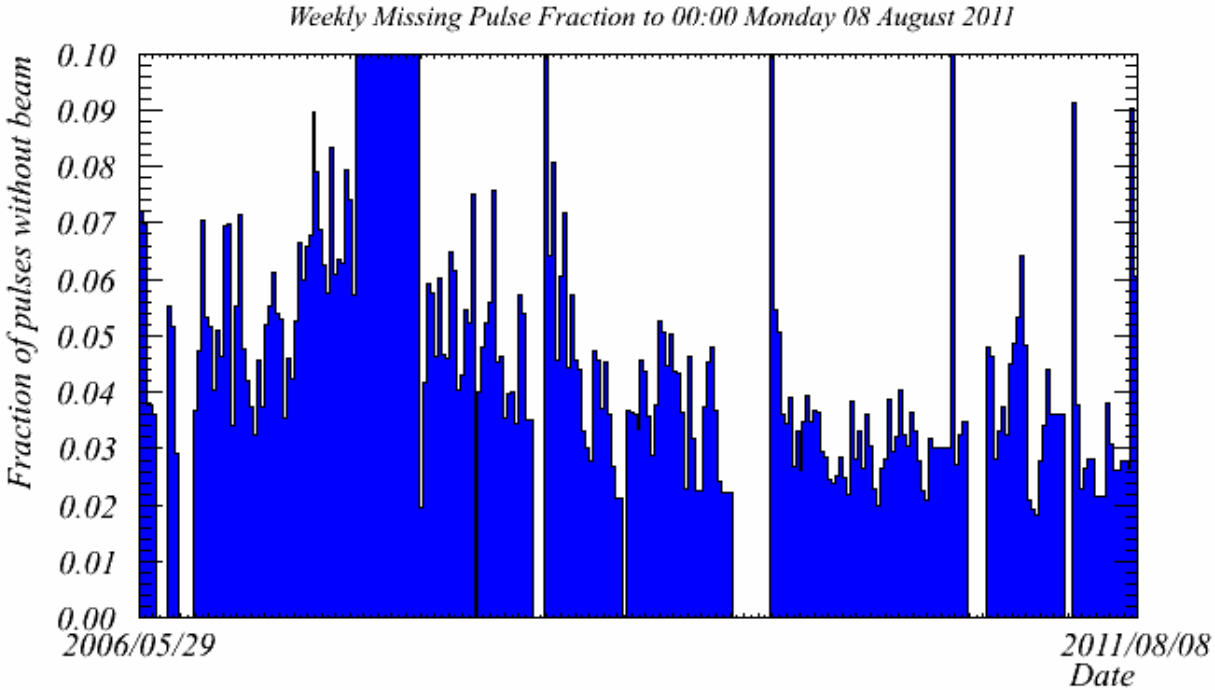

Total NuMI protons to 00:00 Monday 08 August 2011
Protons per week (E18)
Total Protons (E20)
Date
0
2
4
6
8
10
12
2005/05/02
2006/02/12
2006/11/25
2007/09/07
2008/06/19
2009/04/01
2010/01/12
2010/10/25
2011/08/08

Week ending 00:00 Monday 08 August 2011




Week ending 00:00 Monday 08 August 2011
Mean 2.2042
RMS 0.0642
Fraction of time at this spacing
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2
$23 event spacing (seconds)


Weekly Downtime to 00:00 Monday 08 August 2011
Hours without beam
160
140
120
100
80
60
40
20
0
2006/05/29
2011/08/08
Date


Weekly Missing Pulse Fraction to 00:00 Monday 08 August 2011
Fraction of pulses without beam
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
2006/05/29
2011/08/08
Date