

# MiniBooNE Report

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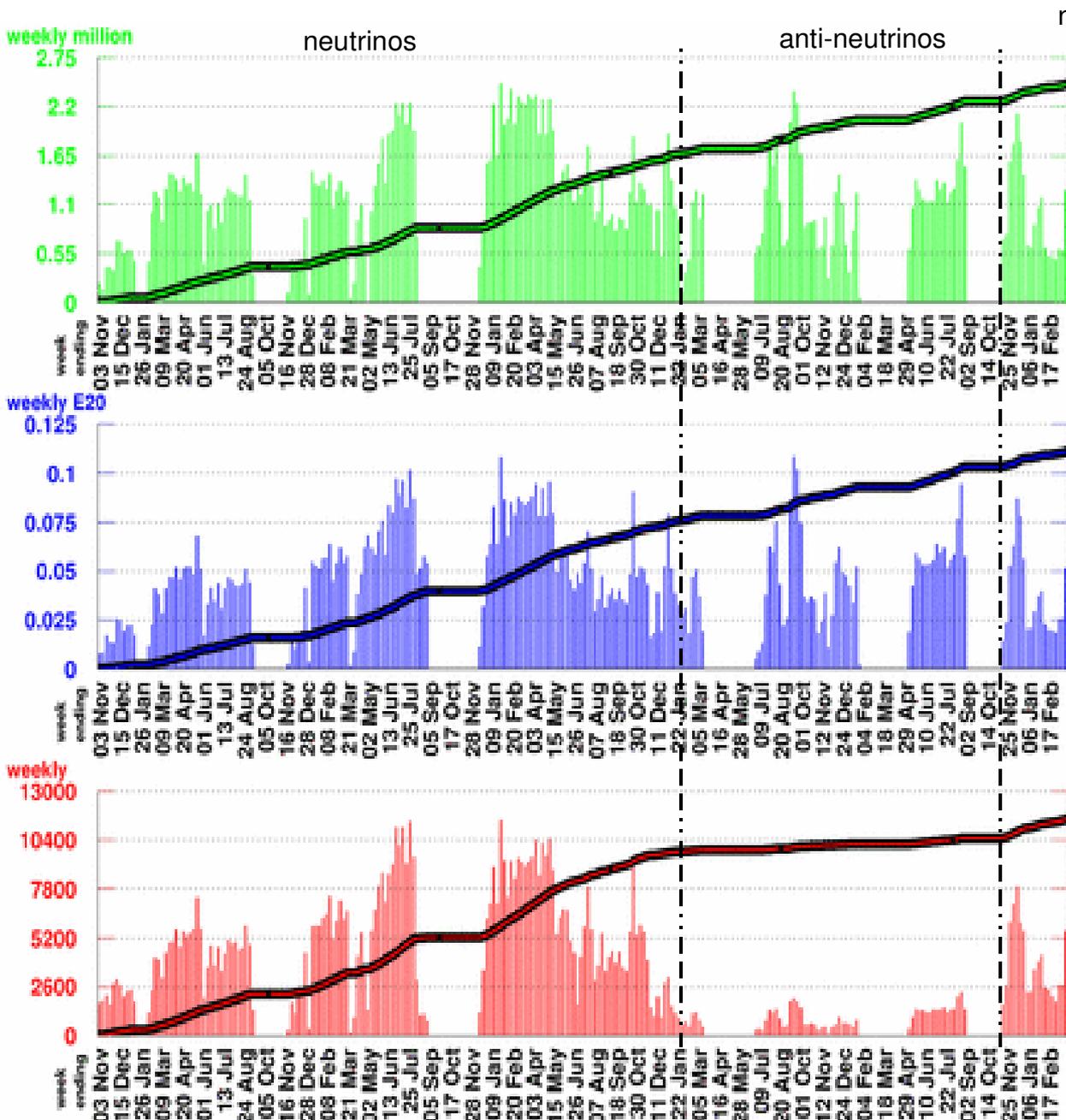
**25 February 2008**

# **Week Summary 18 Feb – 25 Feb**

## **5.1E18 POT, 83% Uptime**

- With NuMI off, running steady at 10-11 turns, ~5 Hz, ~6.3E16p/hr.
- Problems with detector trigger, but beam down (Feb 19). No loss of data.
- Major Downtime:
  - 20 hrs, MI access for kicker repairs (Feb 19).
  - 4 hrs, MI access (Feb 22).

# 18 Feb - 25 Feb



neutrinos  
integrated million

**Number of Horn Pulses**

To date: 249.33 million

Largest week: 2.46 million

Latest week: 1.26 million

With Beam Information Cuts



**Number of Protons on Target**

To date: 10.2165 E20

Largest week: 0.1085 E20

Latest week: 0.0513 E20

integrated E20

$\times 10^2$

integrated

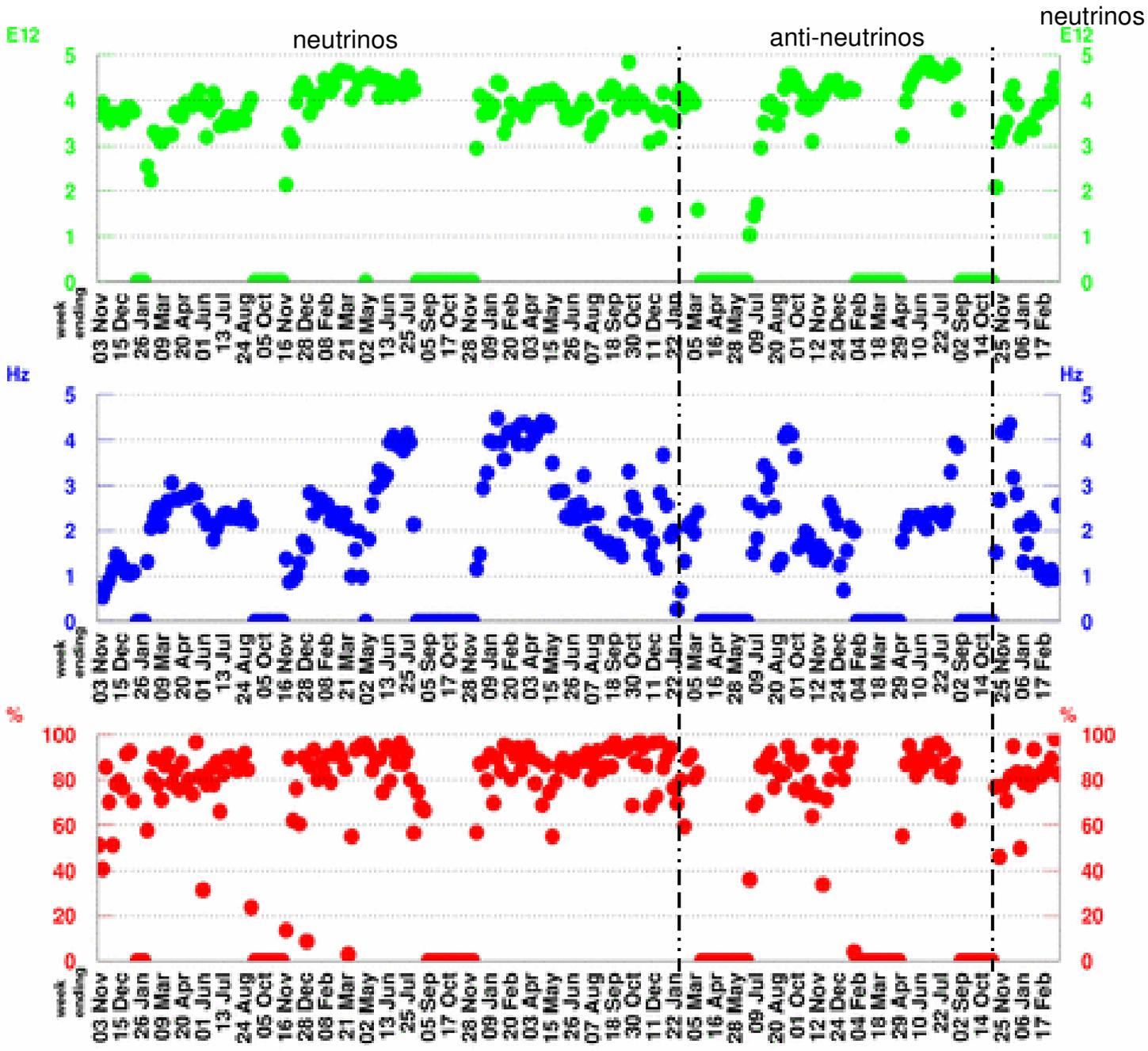
**Number of Neutrino Events**

To date: 840888

Largest week: 11447

Latest week: 5571

# 18 Feb - 25 Feb



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.08 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 2.57 Hz

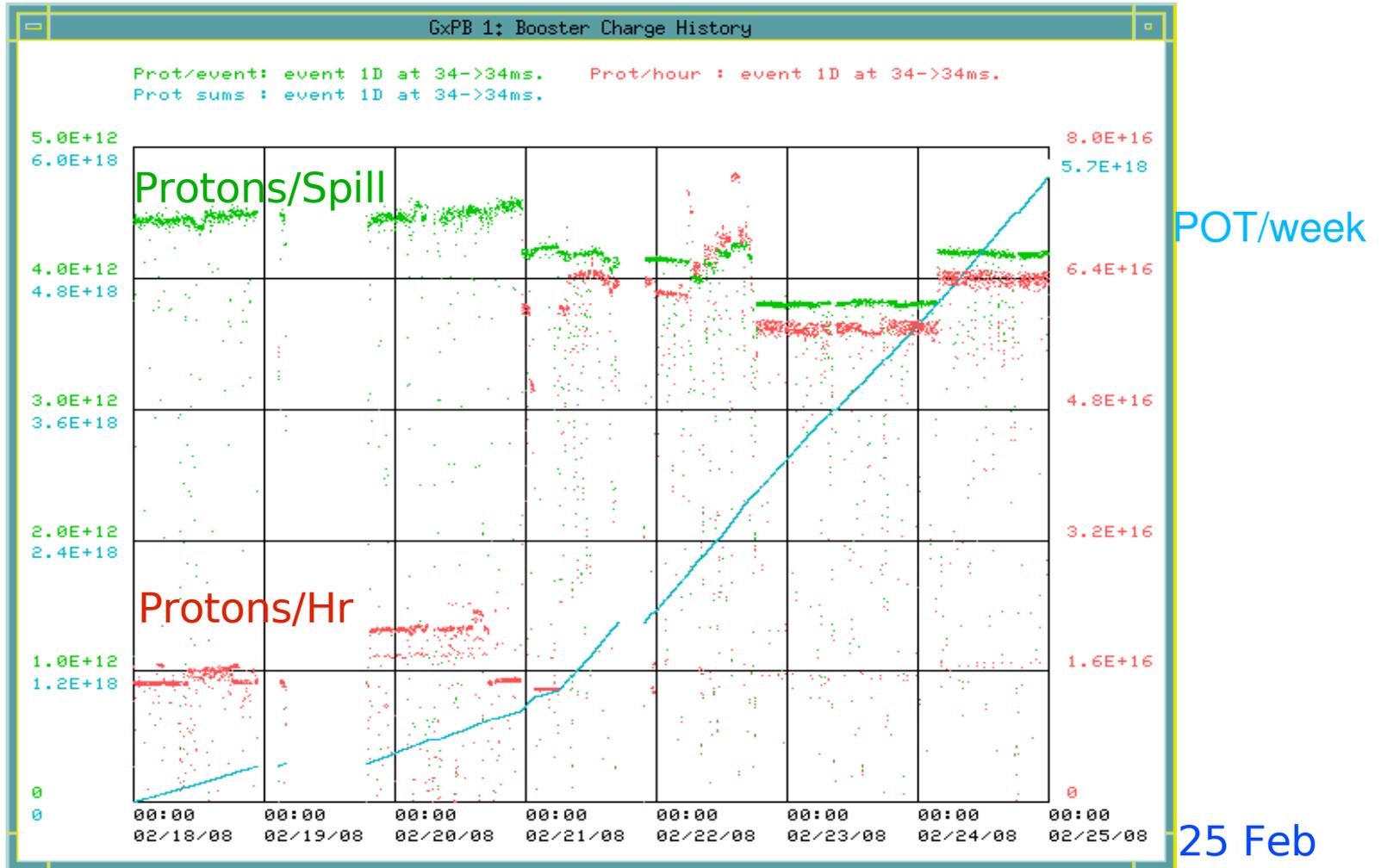
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 82.7 %

# One Week MB Proton/Hr Summary



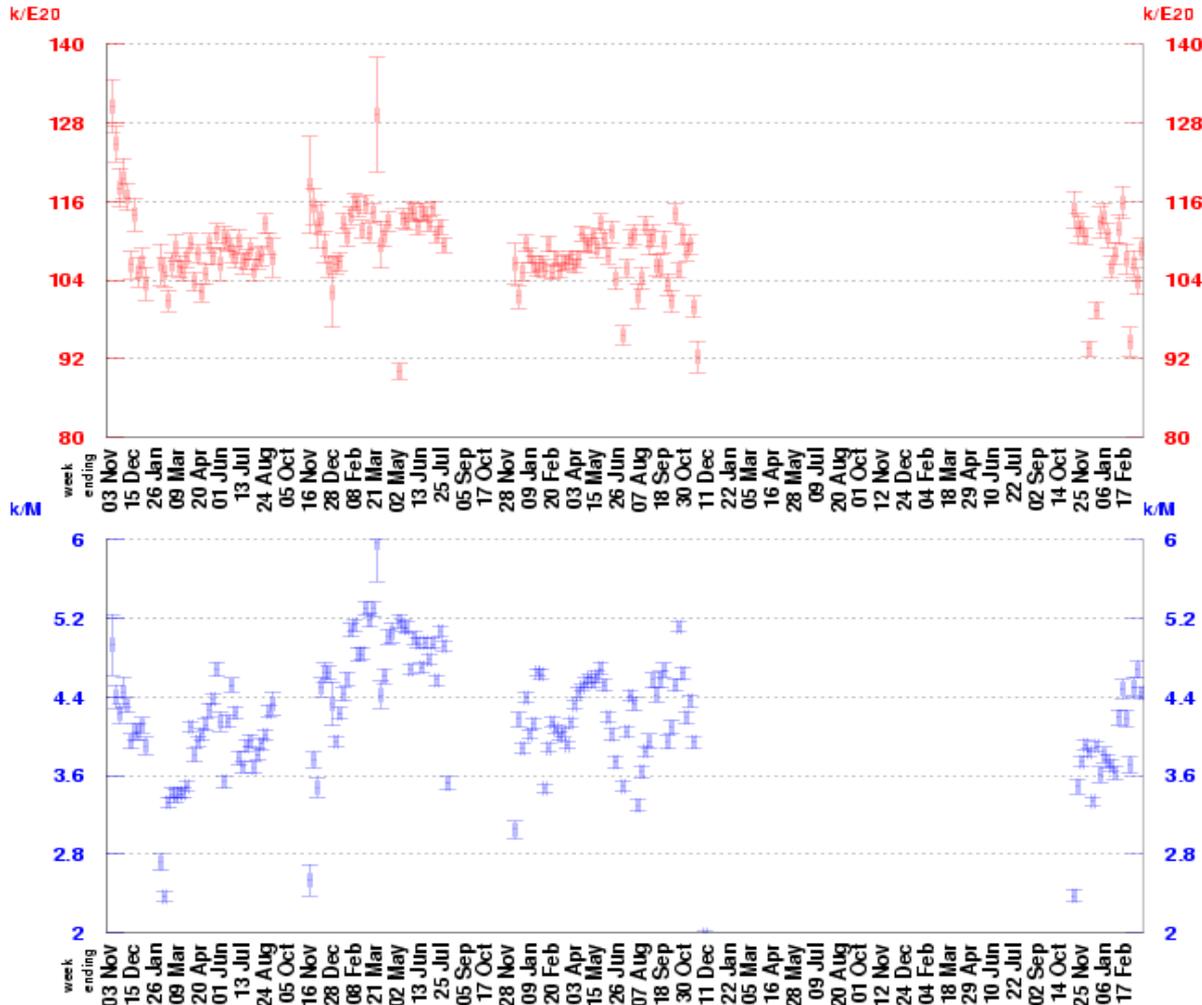
18 Feb

25 Feb

x4 increase in rate when NuMI went off.

# Nearline Neutrino Rates

(does not include data quality corrections)



## Neutrino Events per POT

Largest week: 178.5 k/E20

Latest week: 108.8 k/E20

## Neutrino Events per Horn Pulse

Largest week: 90.91 k/M

Latest week: 4.44 k/M

# **This Week's Plan**

- Continue stable running, take advantage of increased proton output.