MiniBooNE Report

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for the MiniBooNE collaboration

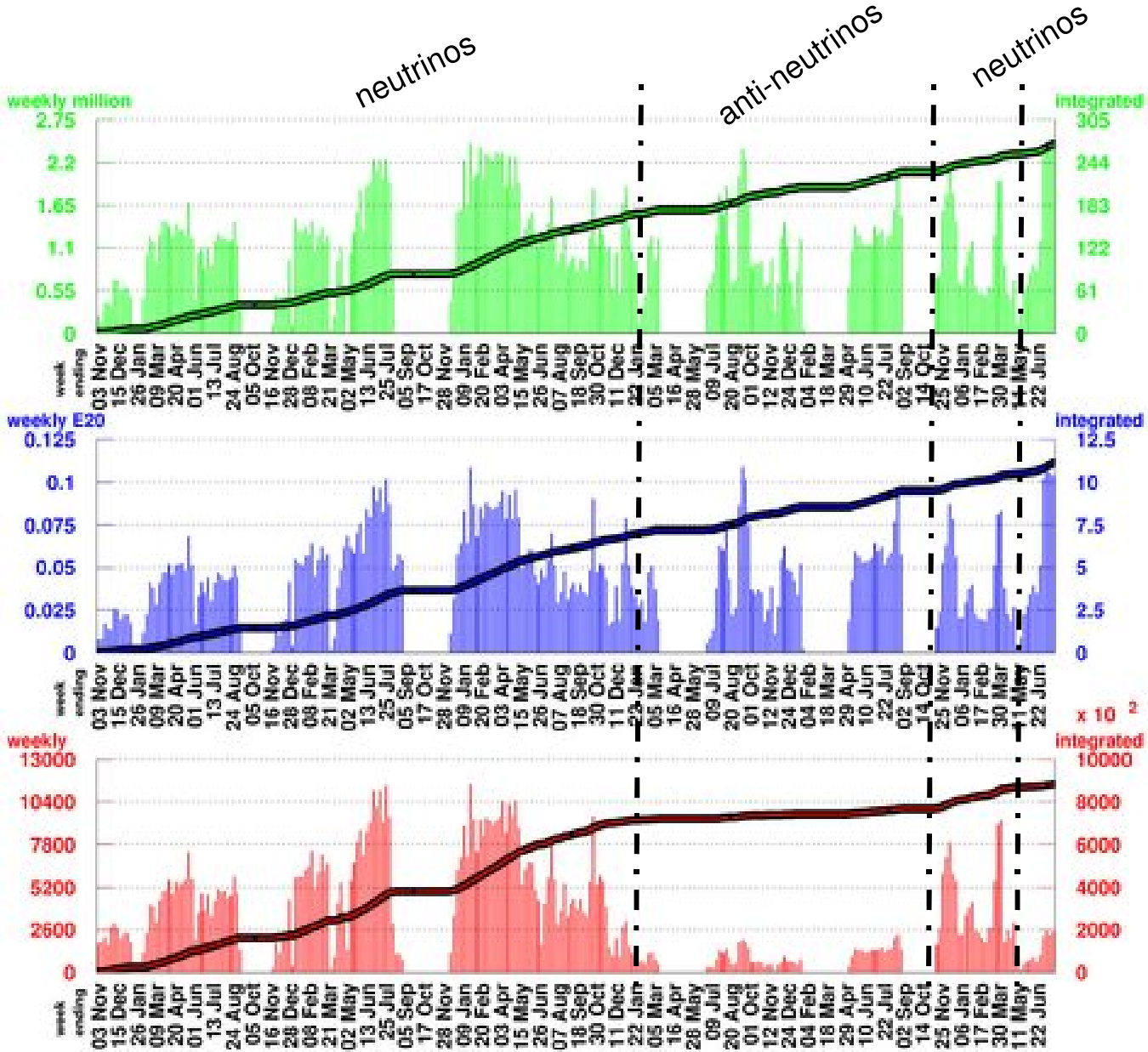
30 June 2008

Week Summary 23 June – 30 June 10.4E18 POT, 91.9% Uptime

- With NuMI off running ~7.1E16 p/hr, about three times higher than normal running
- Due to sporadic Booster losses down 1 turn over the weekend
- Major Downtime:
  - 2hr, klystron buncher solenoid PS failure (June 26)

- Record month!!! (~4.3E19 POT)

23 June – 30 June



Number of Horn Pulses

To date: 270.39 million

Largest week: 2.46 million

Latest week: 2.38 million

Number of Protons on Target

To date: 11.129 E20

Largest week: 0.1085 E20

Latest week: 0.1038 E20

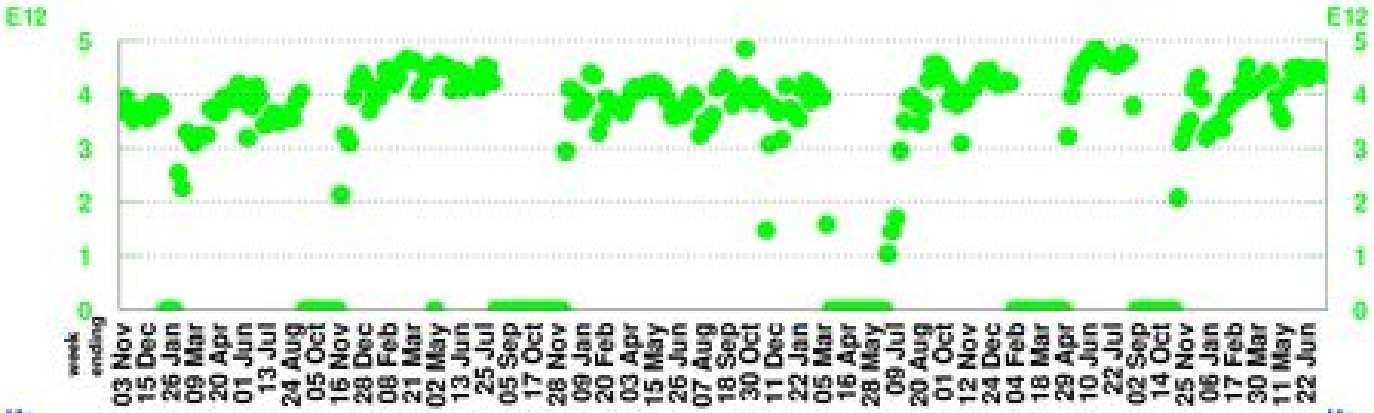
Number of Neutrino Events

To date:883466

Largest week: 11447

Latest week: 2486

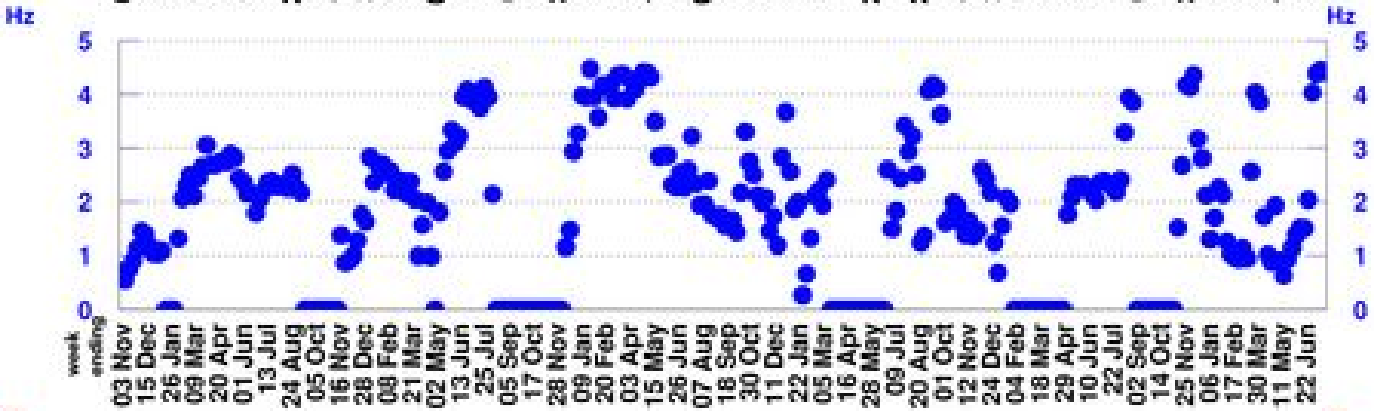
23 June – 30 June



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.36 E12

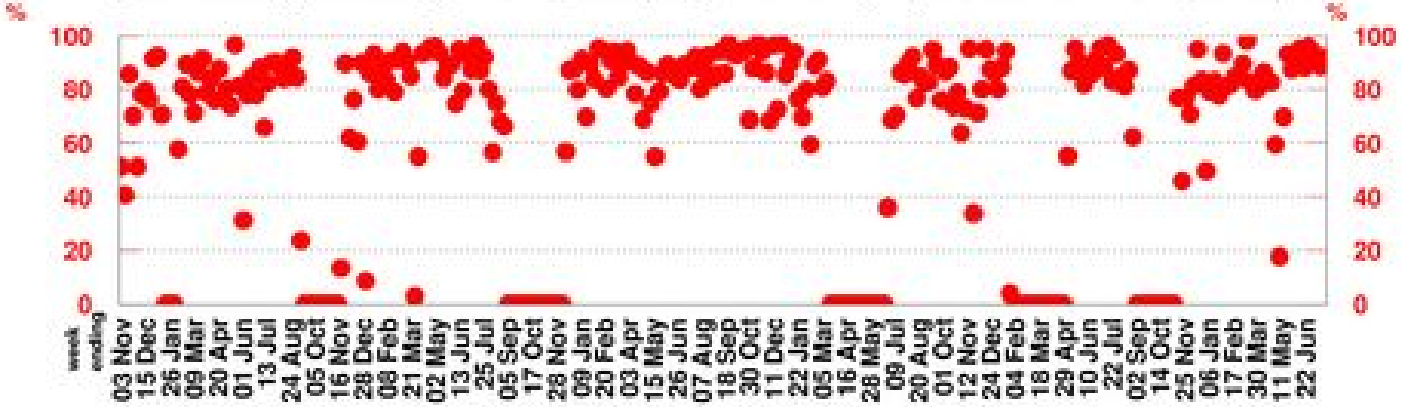


Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 4.42 Hz



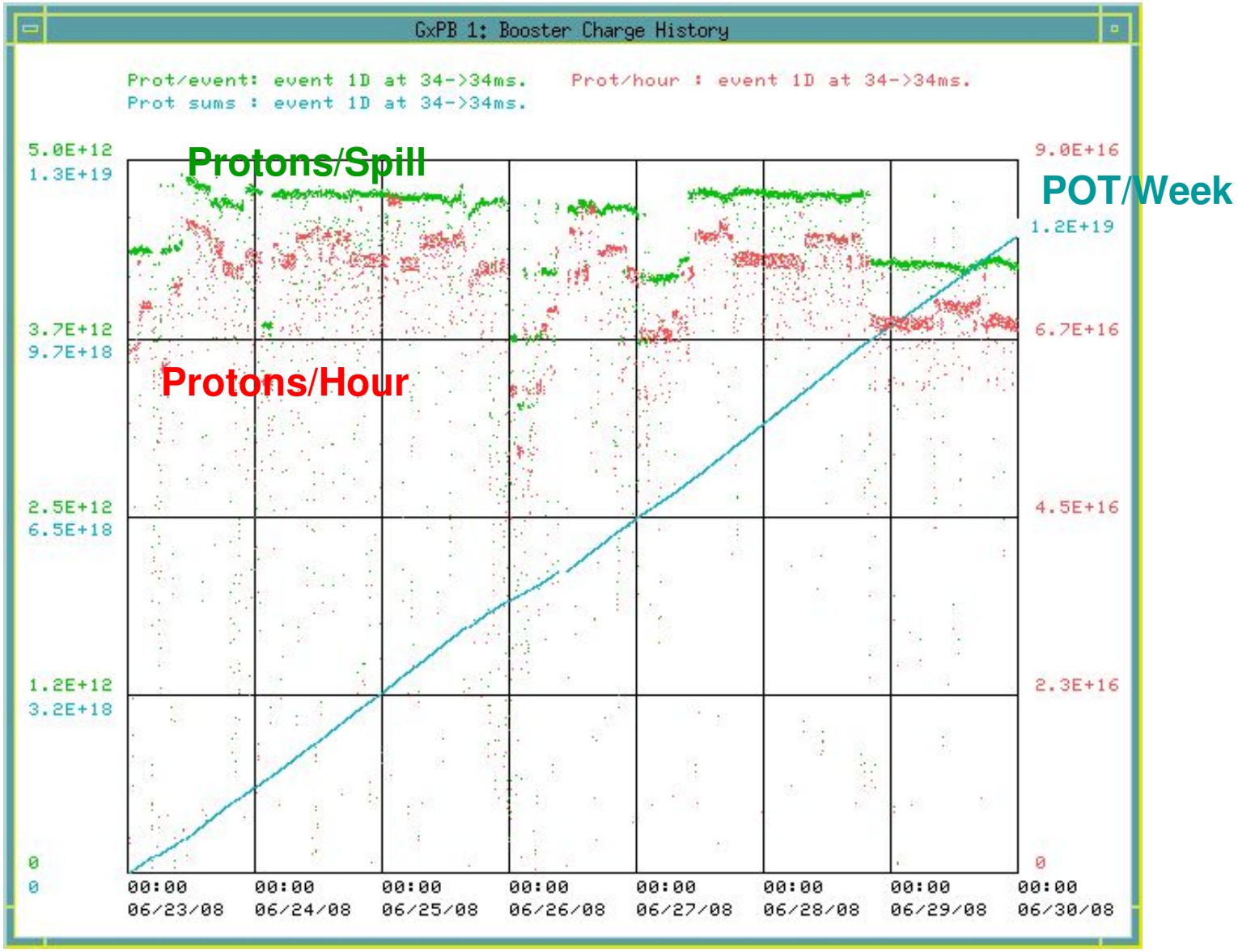
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

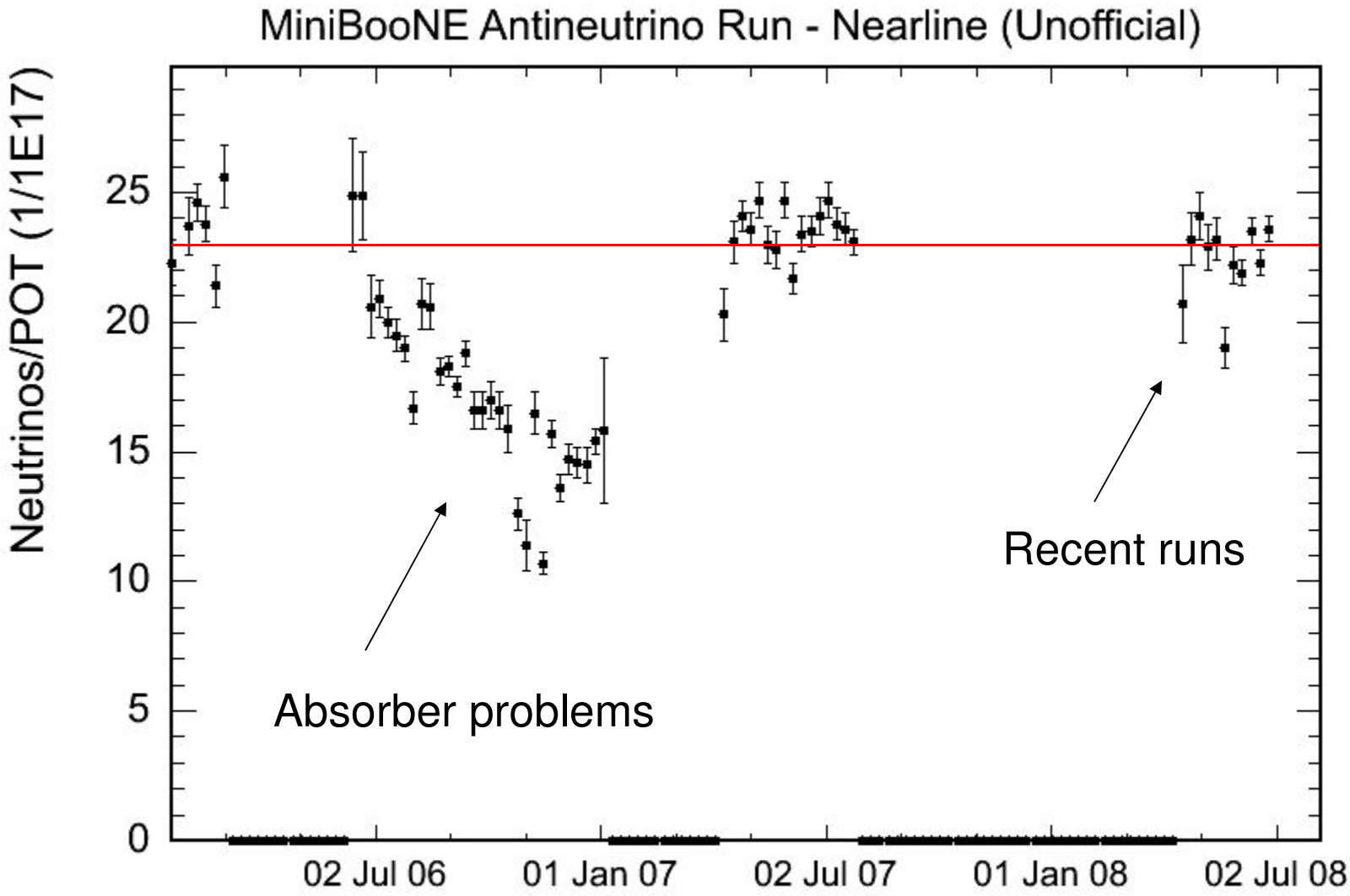
Latest week: 91.9 %

One Week MB Proton/Hr Summary



- Operational limit 9E16 p/hr

AntiNeutrino/POT (Unofficial)



This Week's Plan

- Continue stable running
- Original antinu data collected 2.33E20 POT (2.0E20POT derated for absorbers)
- Have collected 0.64E20POT since April 21/08 switch to antineutrino mode