

MiniBooNE Report

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for the MiniBooNE collaboration

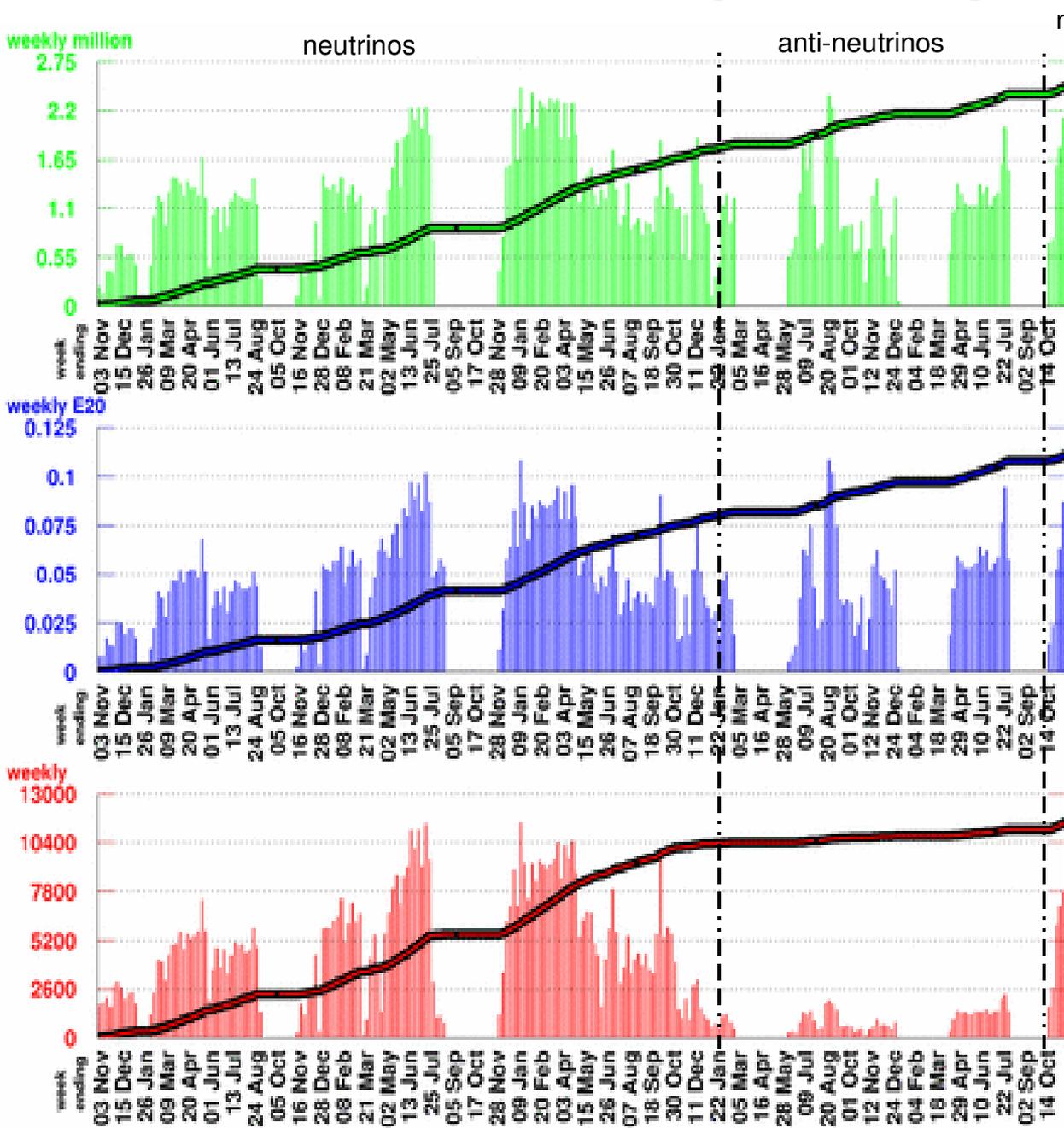
19 November 2007

Week Summary 12 Nov – 19 Nov

8.7E18 POT, 81% Uptime

- Booster steadily delivering improved beam to MiniBooNE, up to $\sim 7.5E16$ p/hr.
- HVAC compressor blown fuse (Nov 13) was quickly repaired. Made use of auxiliary HVAC that kept detector cool and running while repairs made.
- Major Downtime:
 - 30 hrs, Main Injector access (Nov 14/15).
 - 4 hrs, Linac Klystron exchange (Nov 16).

12 Nov - 19 Nov



Number of Horn Pulses

To date: 237.17 million
Largest week: 2.46 million
Latest week: 2.12 million

With Beam Information Cuts

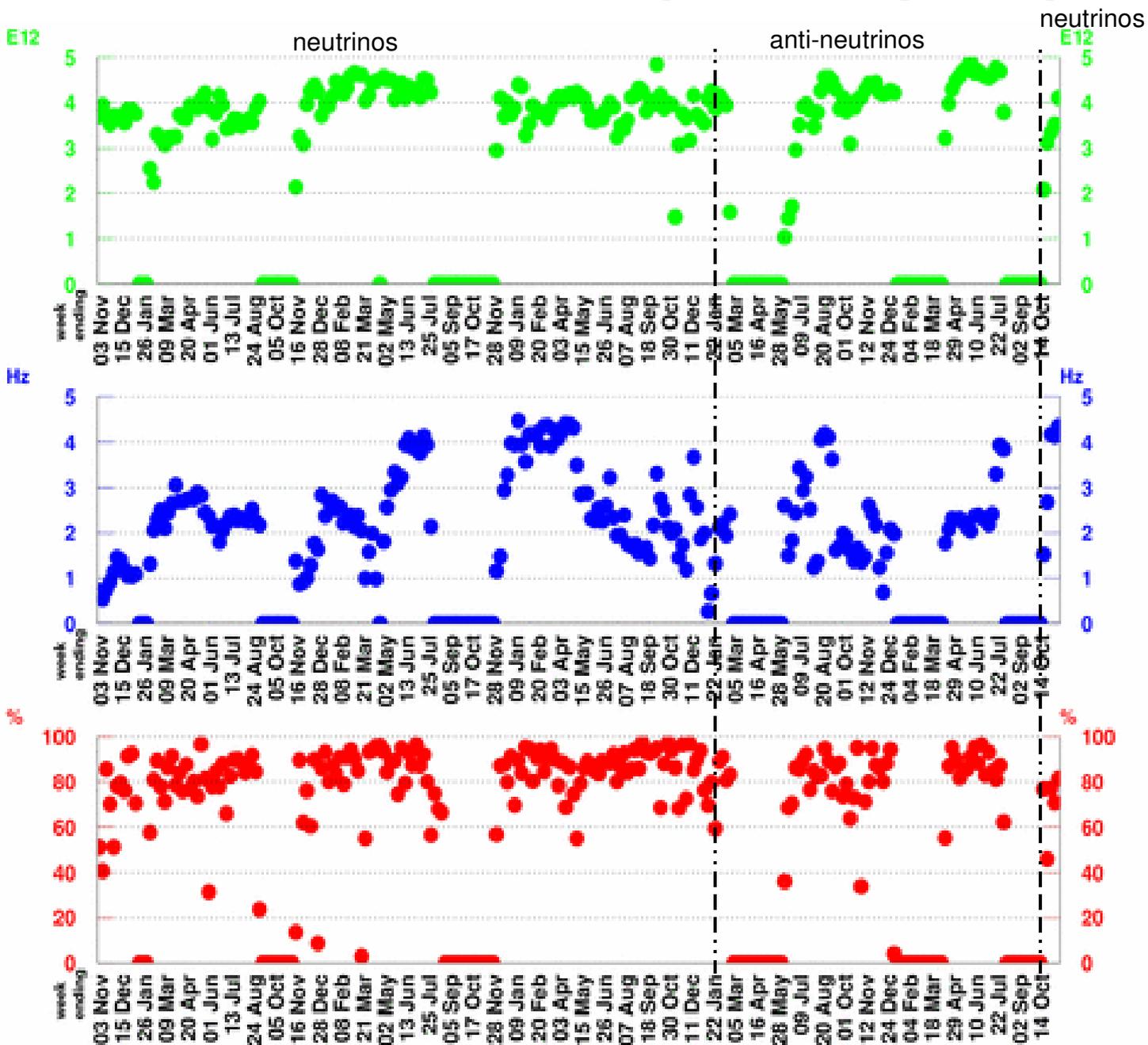
Number of Protons on Target

To date: 9.7508 E20
Largest week: 0.1085 E20
Latest week: 0.0872 E20

Number of Neutrino Events

To date: 792885
Largest week: 11447
Latest week: 7740

12 Nov - 19 Nov



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.11 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 4.35 Hz

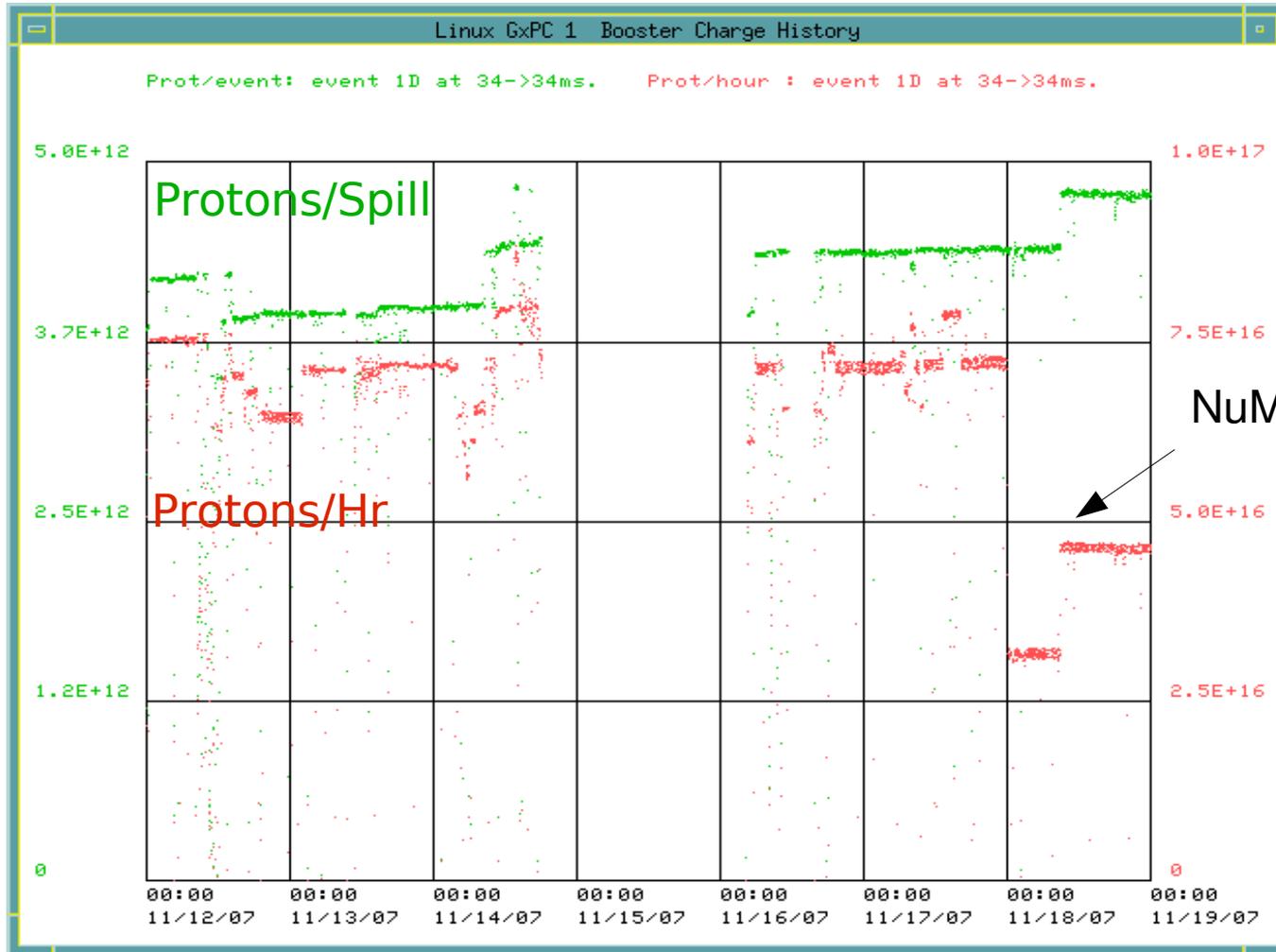
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 81.4 %

One Week MB Proton/Hr Summary



Good steady running at ~10 turns.

This Week's Plan

- Continue neutrino running, take advantage of improving Booster output.
- Closely monitor HVAC, hopefully get back to stable running for a stretch. Have ordered spare compressor.