



# NuMI/MINOS Status

Fermilab All Experimenters' Meeting

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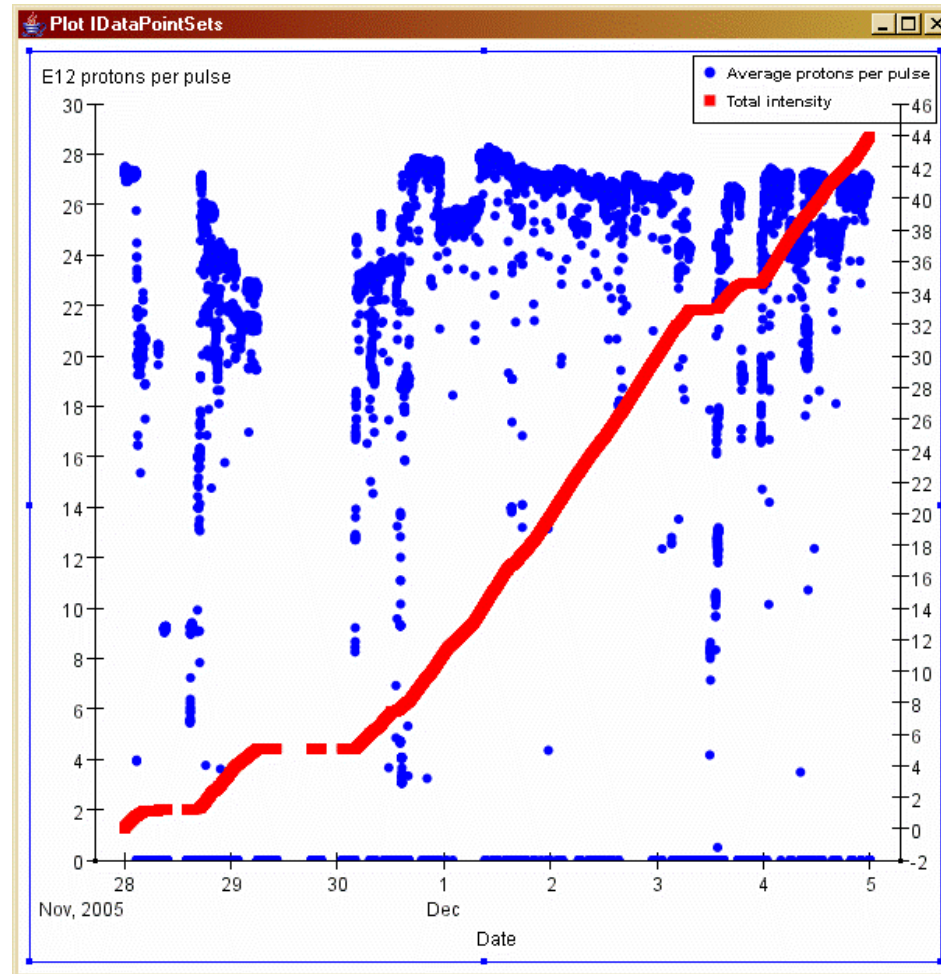


# NuMI Beam Status

- Booster problems lead to significant beam downtime, ~ 2 days equivalent
- NuMI power supply downtime (V118), ~ 4 hours
- **Two of the top POT three days occurred this week!**
- Some instability of the NuMI beam:
  - Shifts in beam horizontal and vertical position on a pulse to pulse basis and during each pulse
  - Correlated to beam intensity – Higher intensity is better!
  - Machine experts continue to investigate

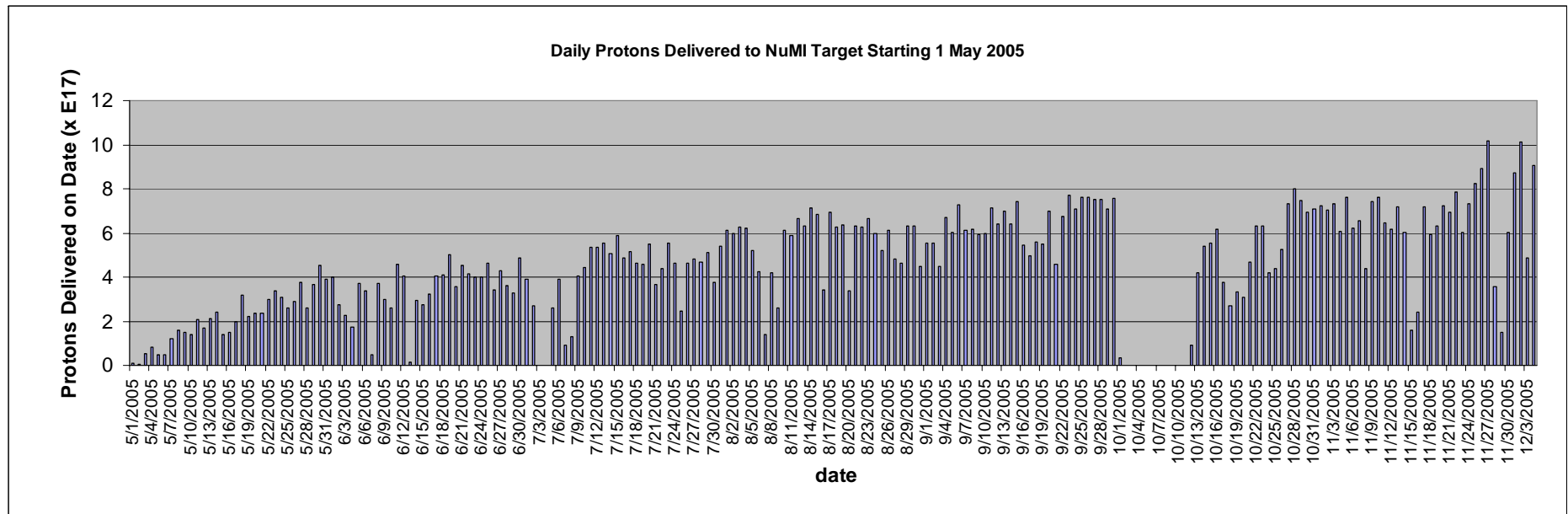


# NuMI Protons Delivered (last week)



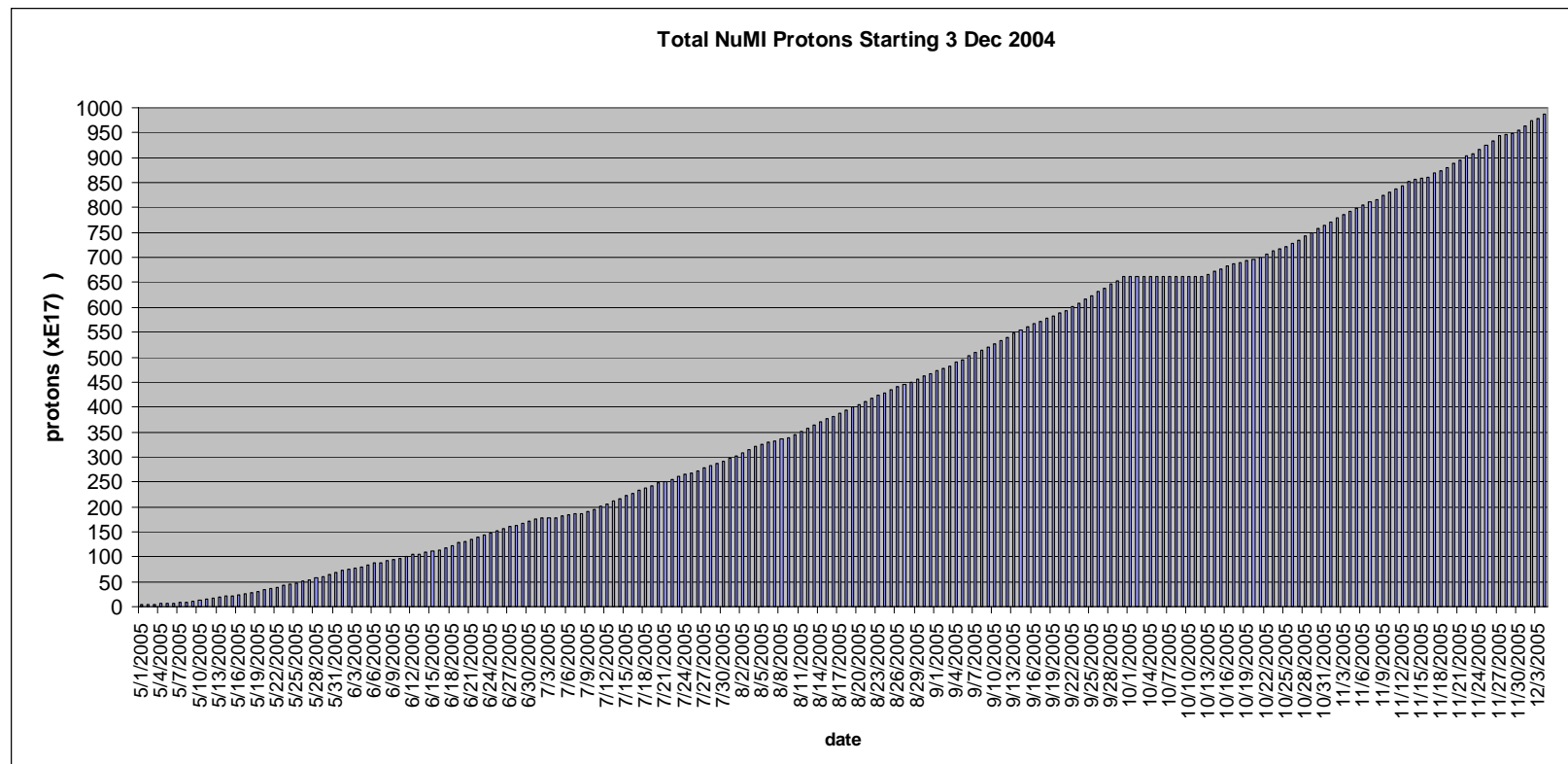
Integrated protons on target **4.38E18**

# Daily Protons Delivered since May 1st



- 3 days above 8E17
- Friday (1.0E18) and Sunday (9.0E17) were 2<sup>nd</sup> and 3<sup>rd</sup> record days

# Total Protons Delivered since May 1st



**Total Protons Delivered 9.9E19**



# Detectors Status

- Smooth running for both detectors
- Far detector:
  - One vfb swapped last week during beam downtime.
  - 3 dead channels and 3 noisy channels were discovered last week. They were swapped today.
  - ~ 1 hour down time - DAQ problem. Fixed.
- Near detector:
  - Electronics maintenance: 7 minder cards replaced.

# Detectors Uptime

