MINOS Status - FNAL All Experimenters Meeting

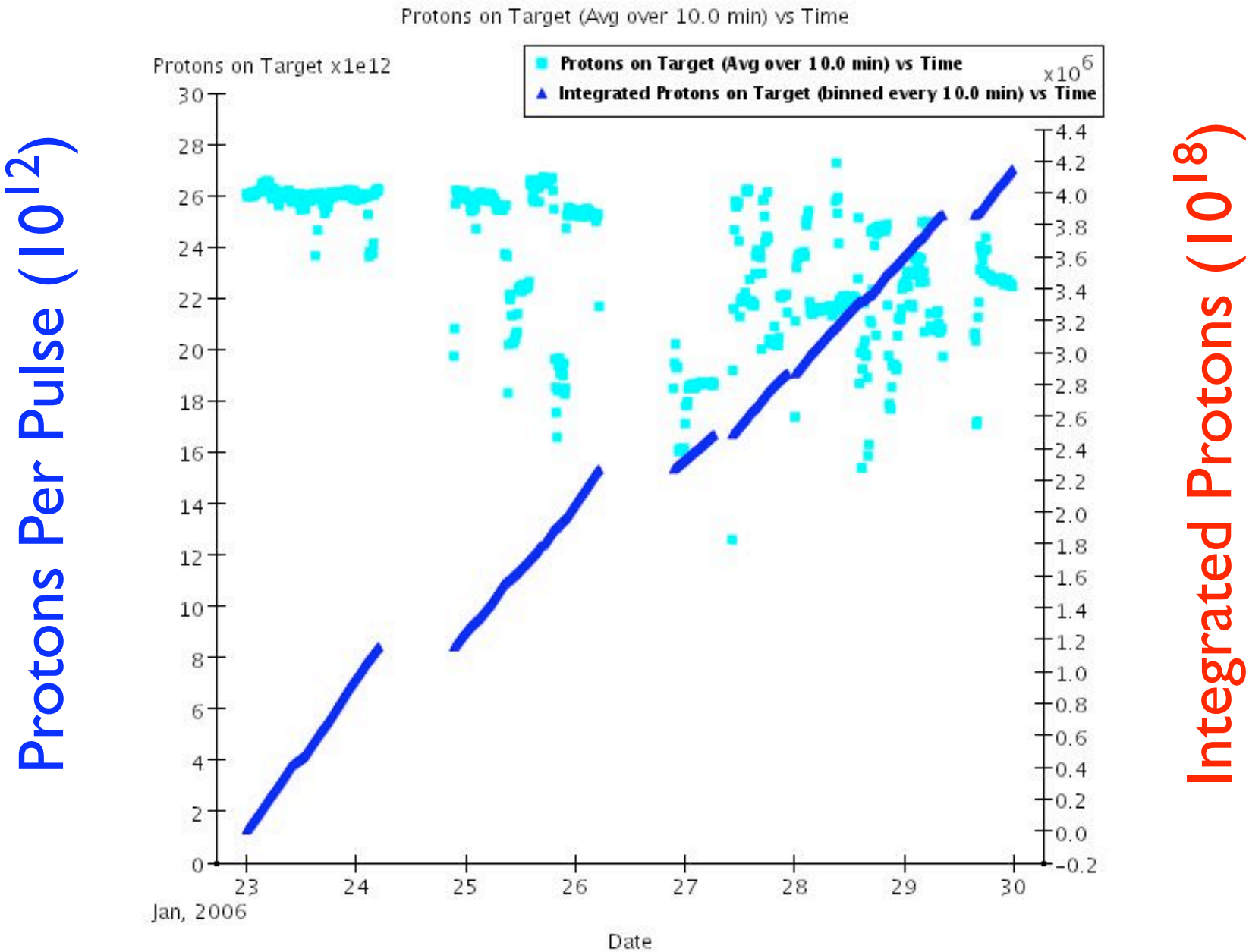
Brian Rebel

January 30, 2006

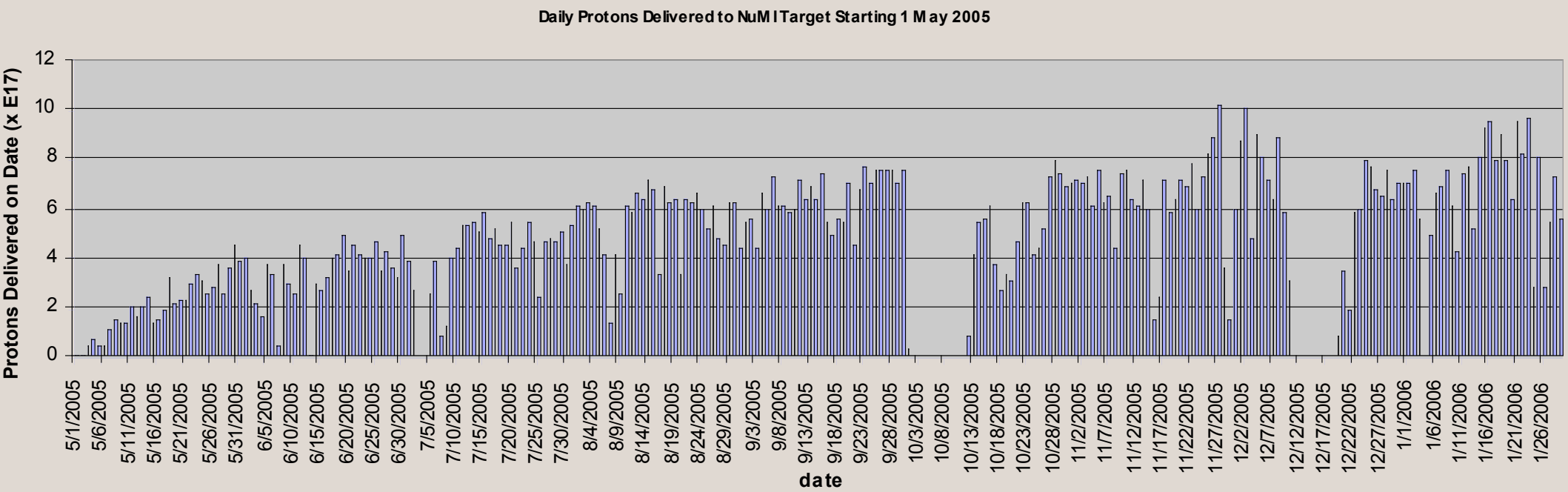
NuMI Update

- Water and air-flow samples taken during Tuesday and Thursday shutdowns to help determine the sources of the tritium - data are still being analyzed
- Target hall air cooling chiller tripped possibly because of a leaky seal - no beam down time
  - Contractors are working on the problem
  - Beam can still run while the work is being done
- Started low intensity running today and will run for 3 days
  - ~ 2e12 POT/spill
  - Done to quantify beam rate systematics

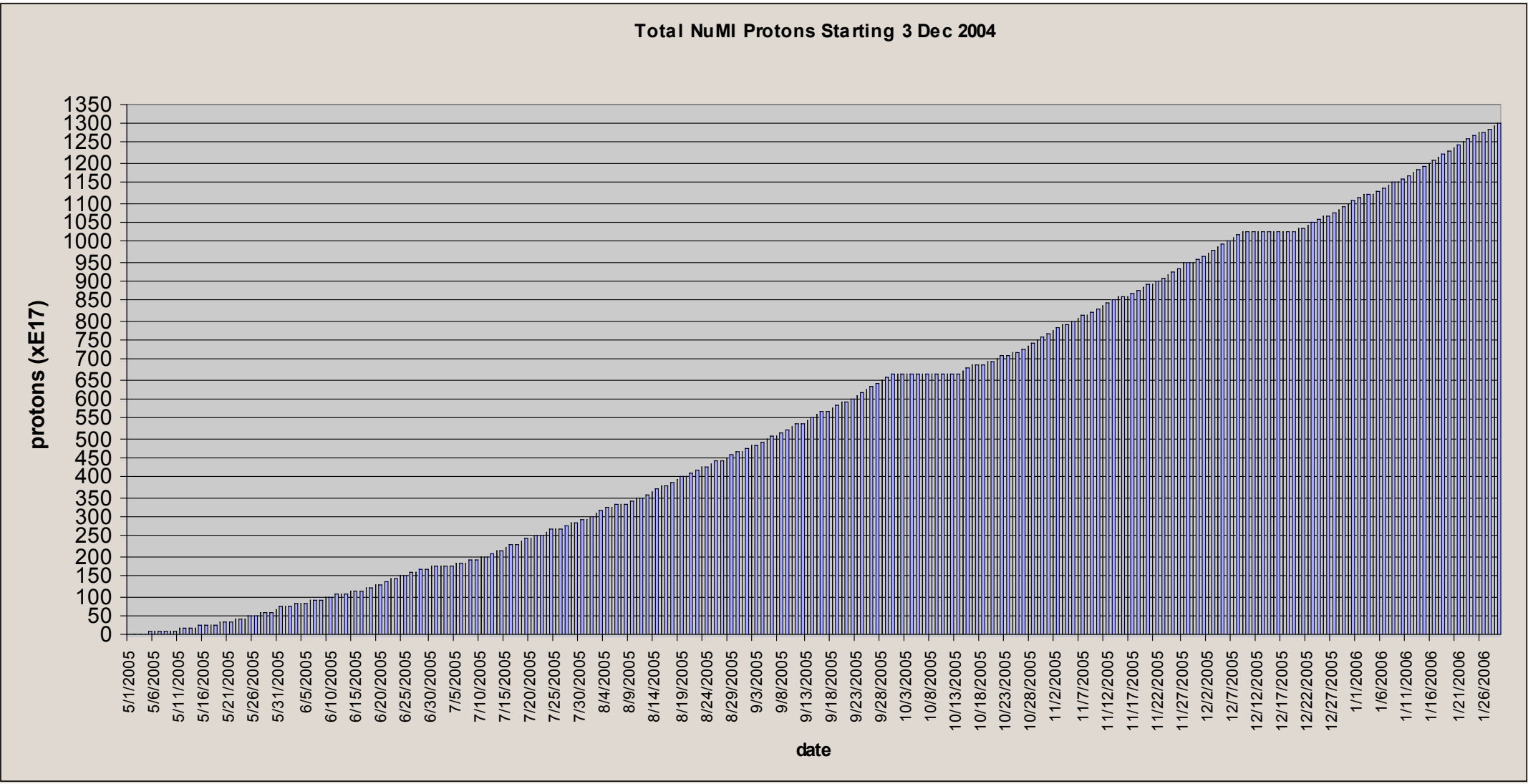
Beam Delivered Last Week



Beam Delivered Since May 1, 2005



Beam Delivered Since May 1, 2005

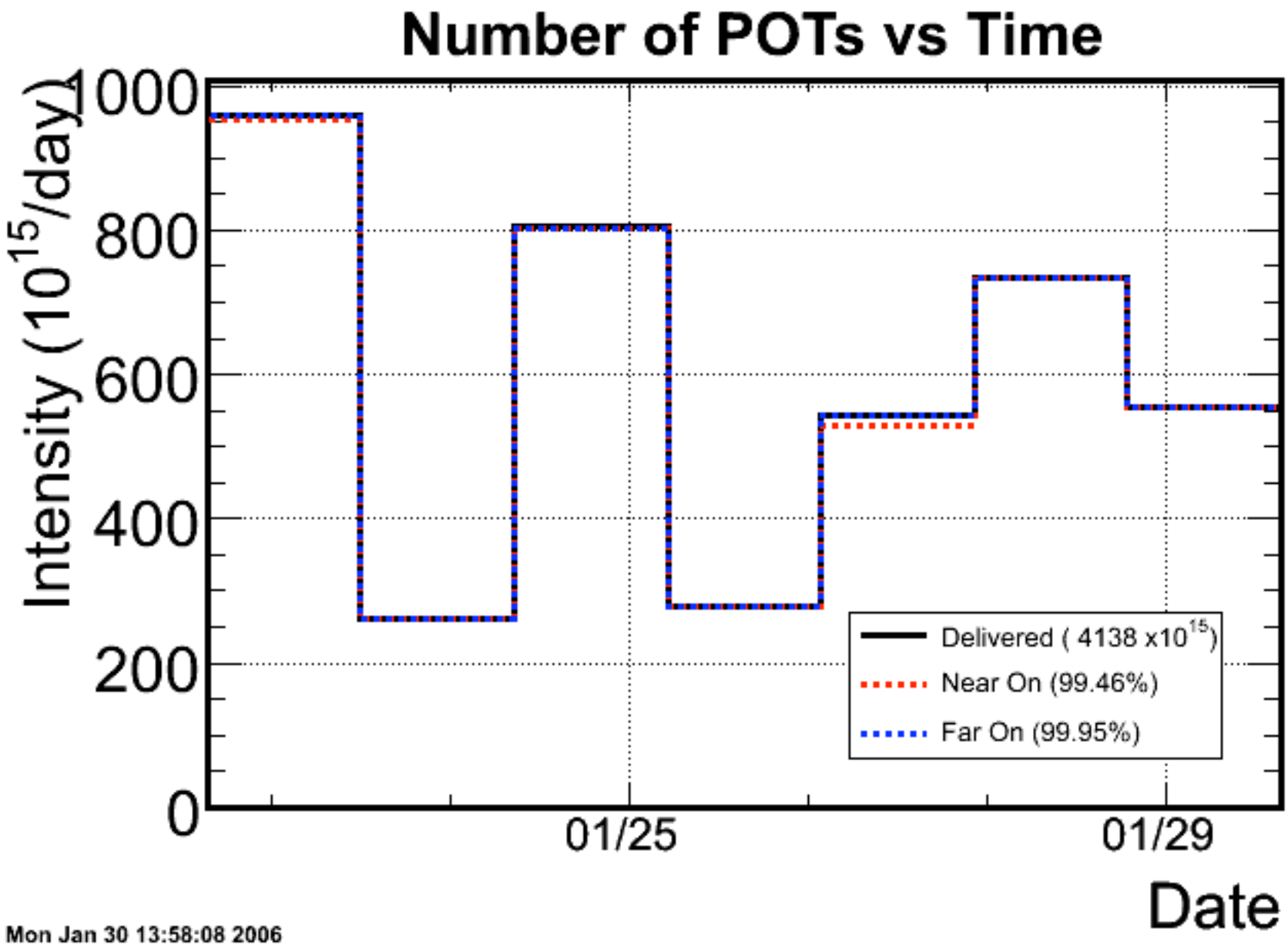


1.3e20 POT delivered

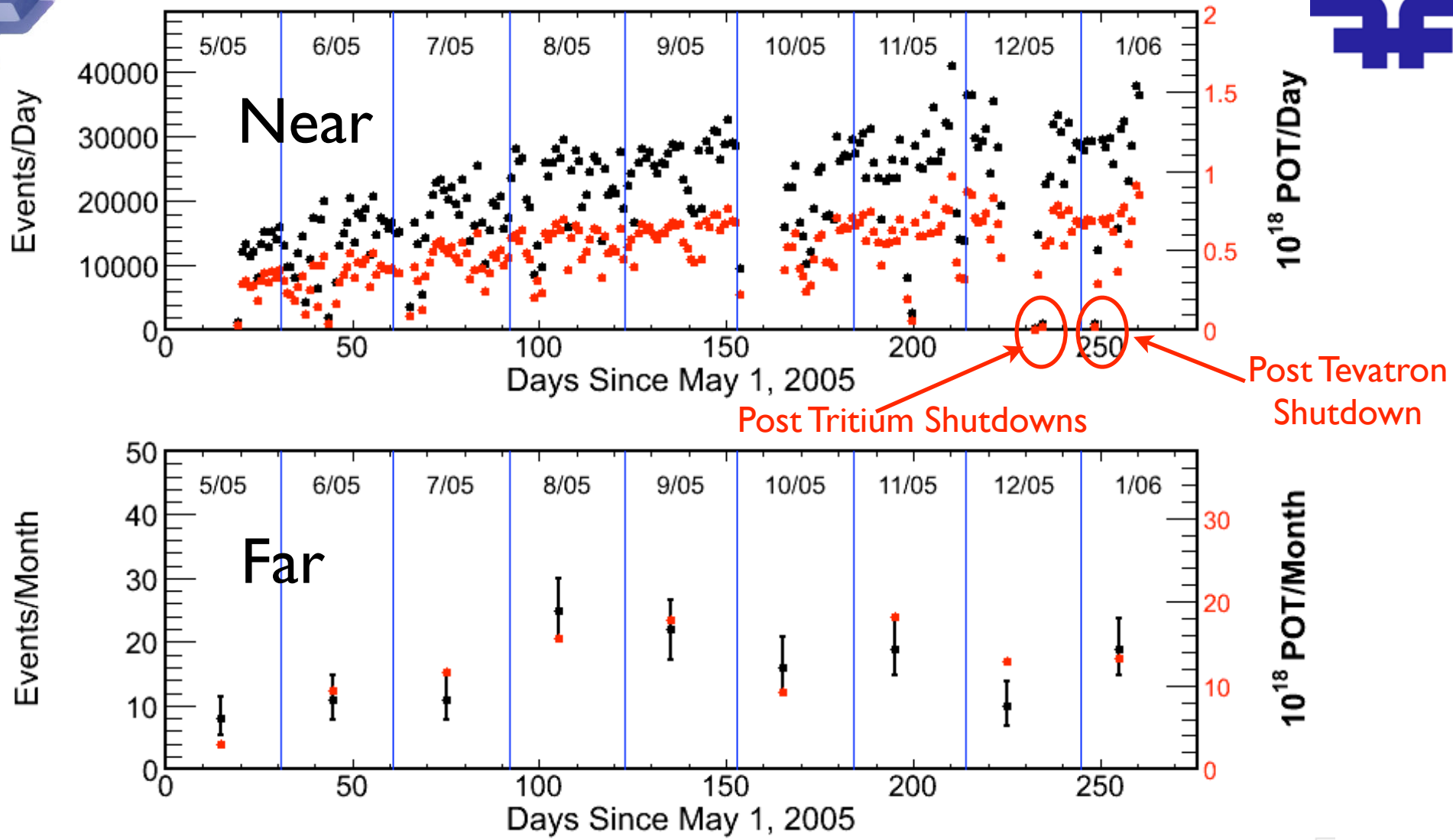
MINOS Status

- Far Detector
  - Uptime still near 100%
  - 1 PMT that has been showing low rates for a while was replaced last week
  - Several other problem channels in one crate were diagnosed and fixed as well
- Near Detector
  - Uptime at >99% for the week
  - 2 bad channels swapped

Detector Performance

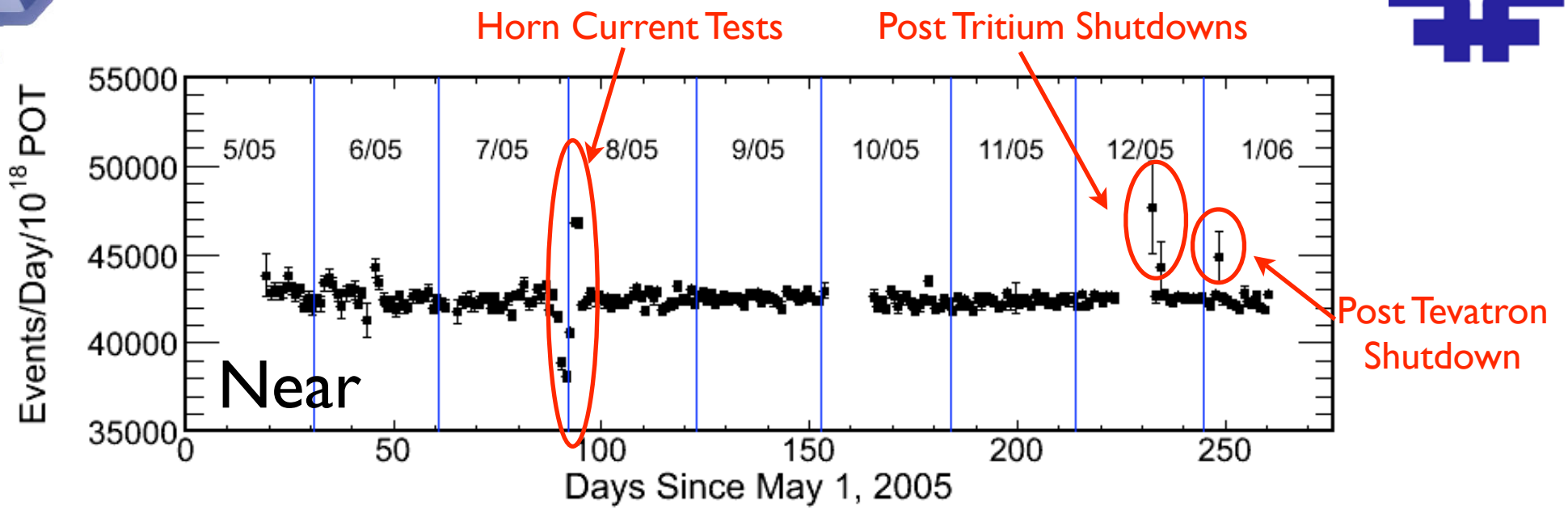


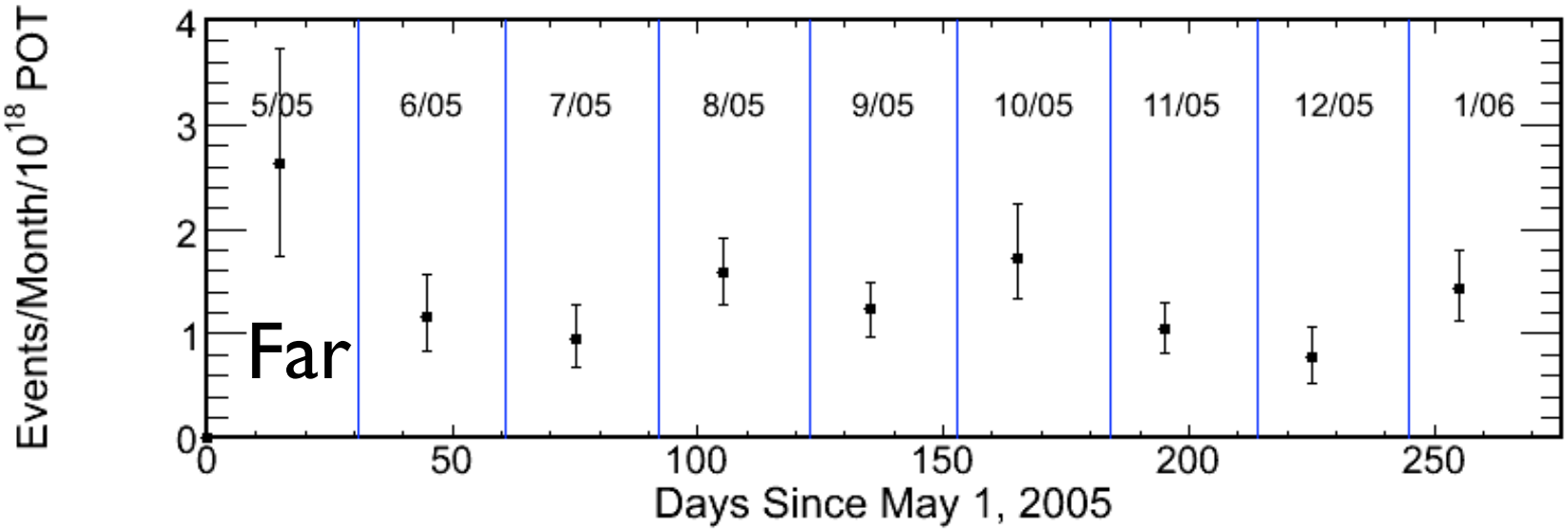
Reconstructed Events and POT vs Time



- All neutrino events (CC and NC) passing minimal cuts are shown
- Number of observed events follows POTs quite well
- Far detector data from the open set

Event Rate vs Time





- Event rate is quite stable over time