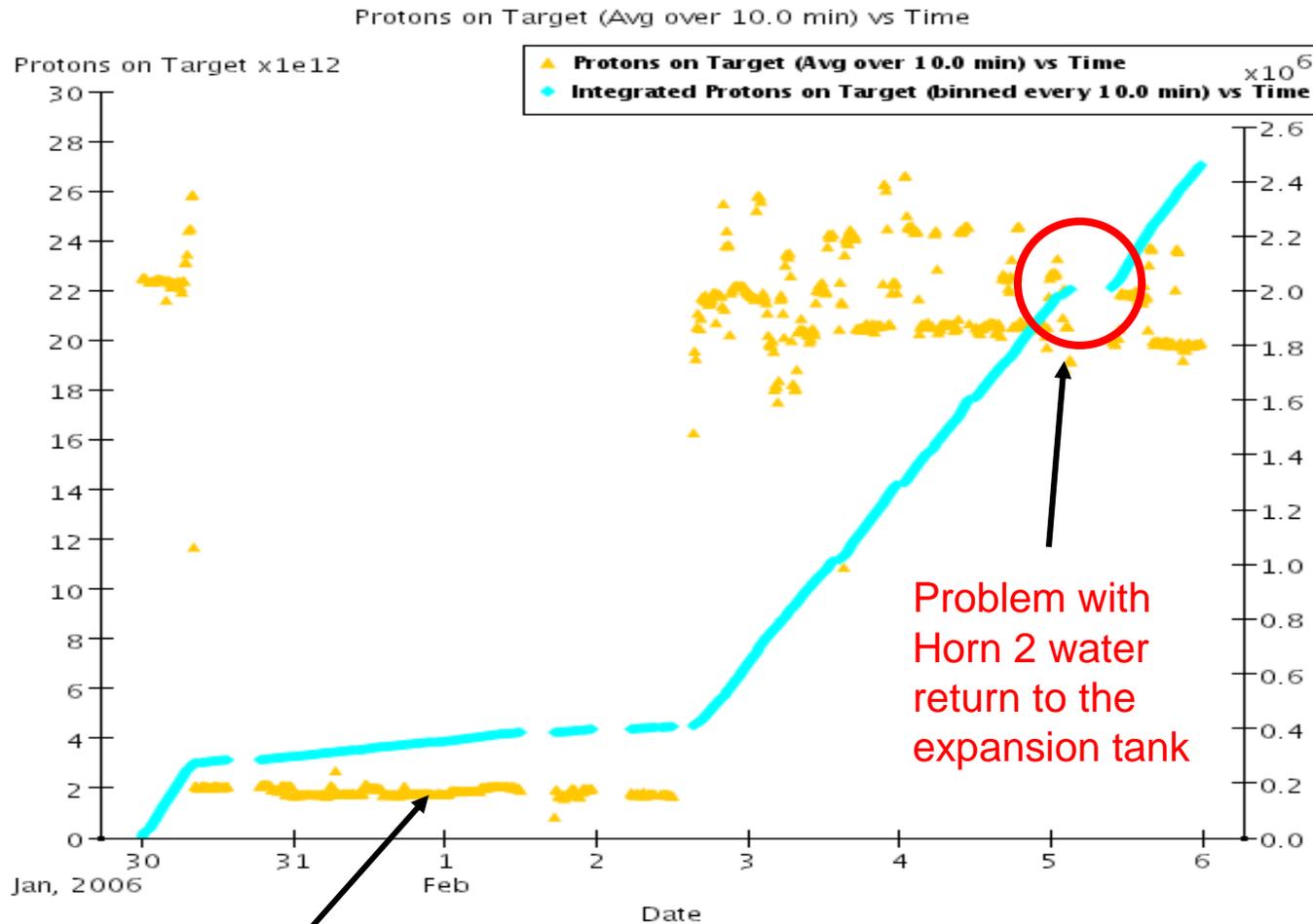


All experimenter's meeting MINOS Update

Feb. 6 2006

Stanford University
Hyejoo Kang

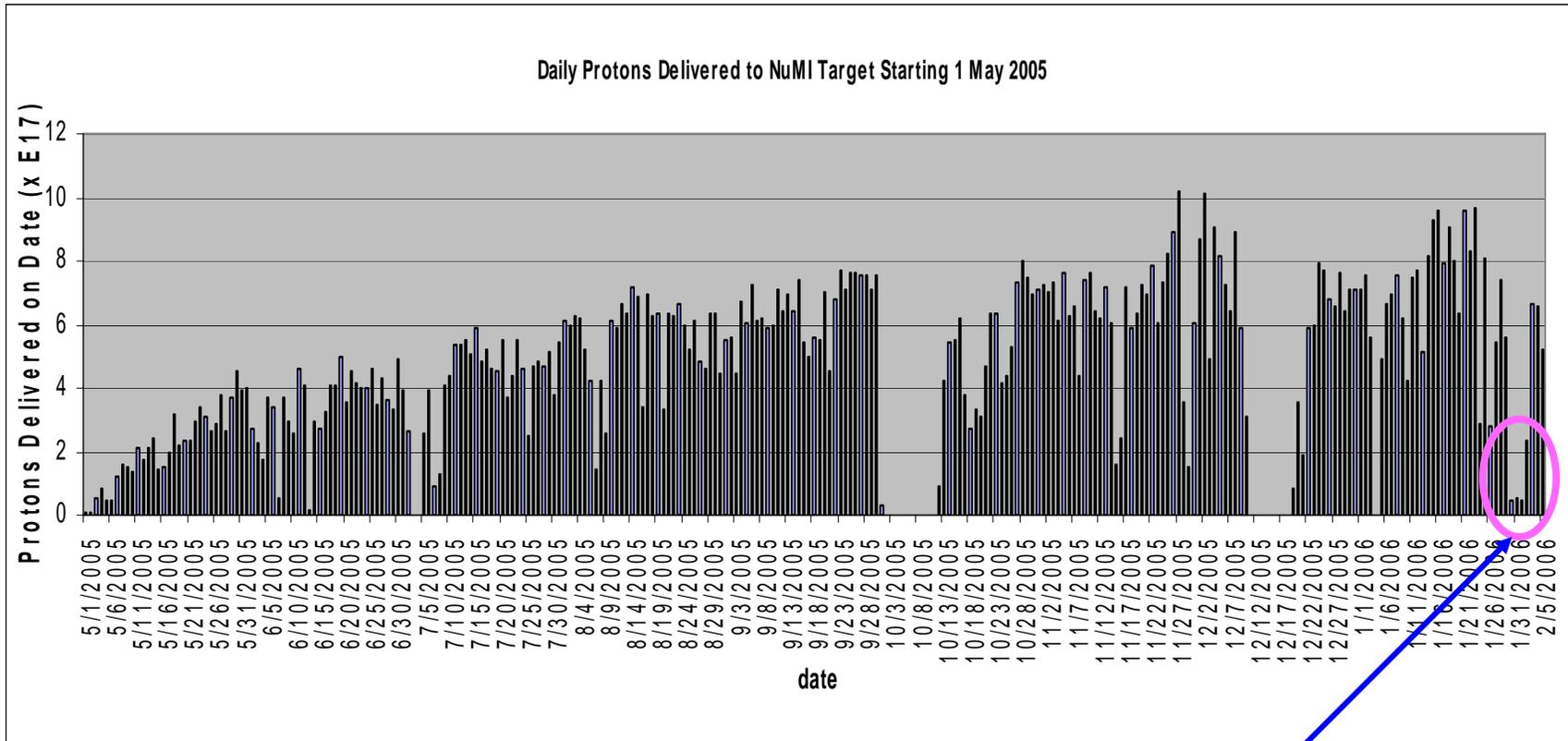
Beam delivered



Low intensity runs for three days to check reconstruction performance

2.465×10^{18} last week

Daily protons delivered to NuMI target since May 1 2005



Scheduled low intensity running

Total POT : 1.32e20

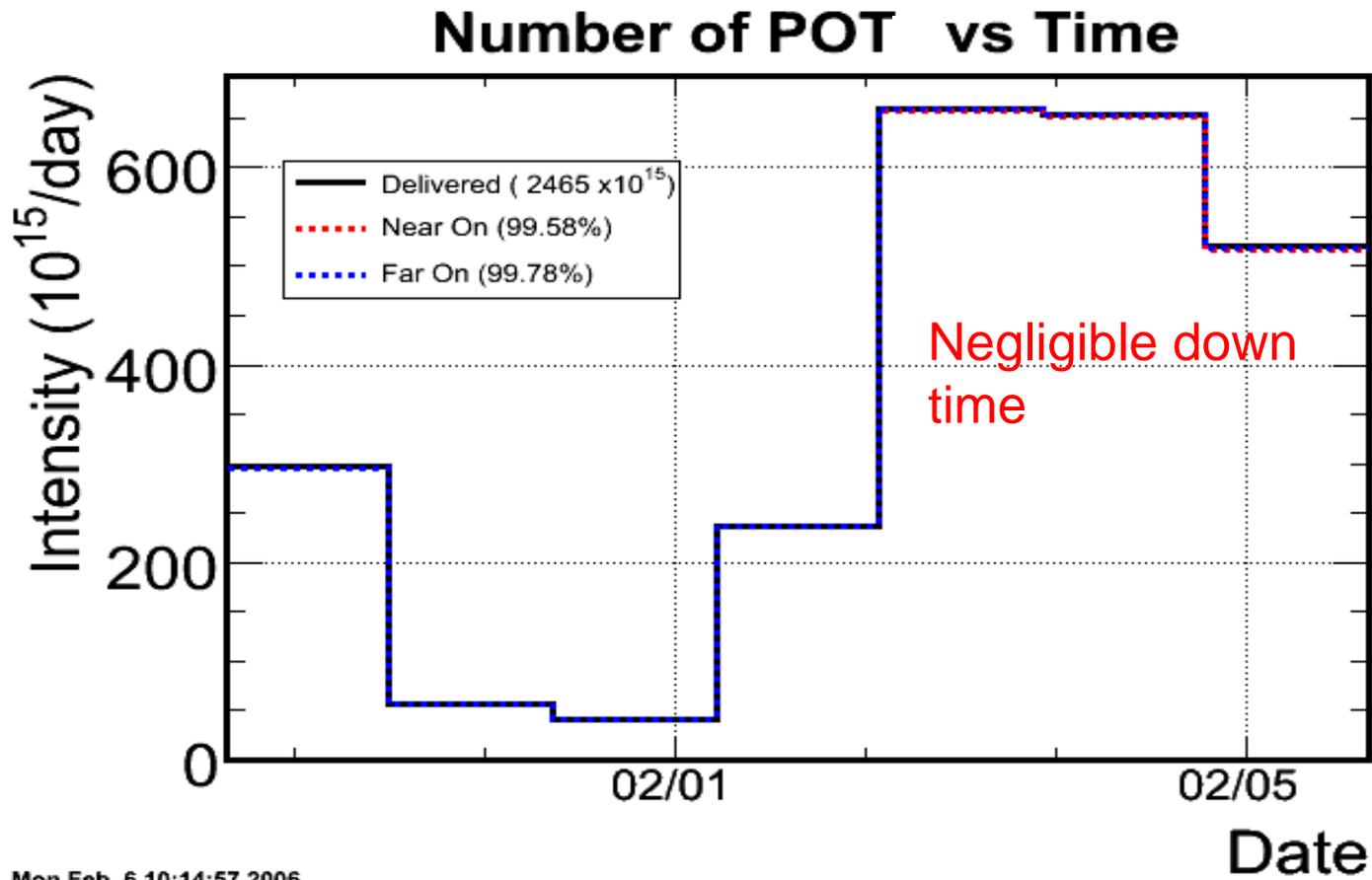
NuMI Beam Status

- Low intensity runs
 - ~10 times lower than on normal runs
- Several trips of Target Pile Air System Chiller in the previous week
 - Current solution : turn off and then restart a couple times a week
 - **Major maintenance item for shutdown**
- Water return to the horn expansion tank
 - Ejector pump that was removing water from Horn 2 was not able to keep up with the water supply flow to the Horn
 - Reduced supply flow by 10%
 - **Additional shutdown maintenance**
- Elevated radiation level in underground target hall power supply area
 - Cause : change in barometric pressure led to differential pressure imbalance between target hall and supply area
 - Mitigation on-going today : adding fans to blow air toward target hall and sealing a duct leak

Detector Performance

- Far Detector (on 99.8%)
 - operating very smoothly (high live time)
 - planning to work on the detector during the shutdown
- Near Detector (on 99.6%)
 - four electronics channels were replaced

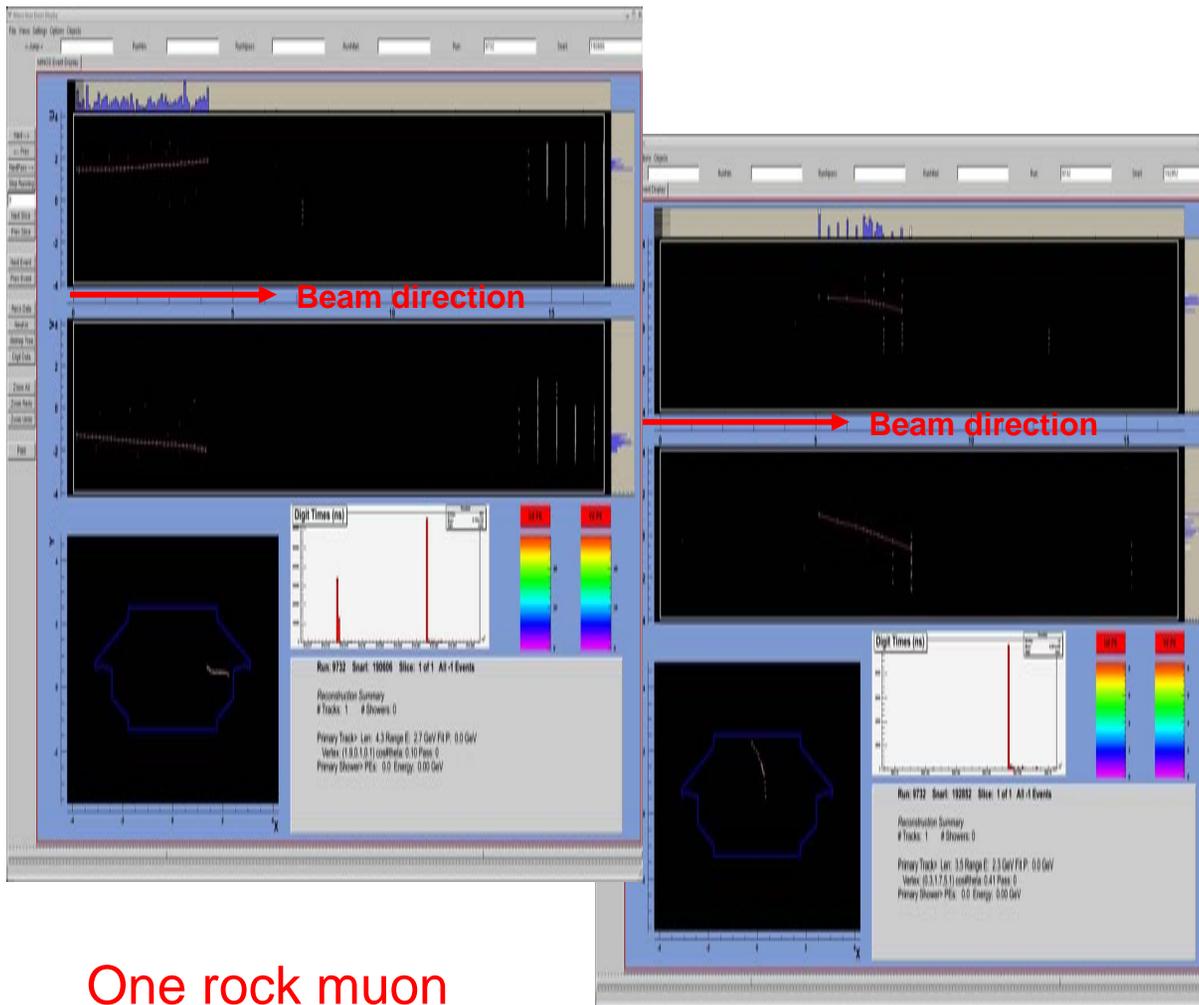
Detector live time



Mon Feb 6 10:14:57 2006

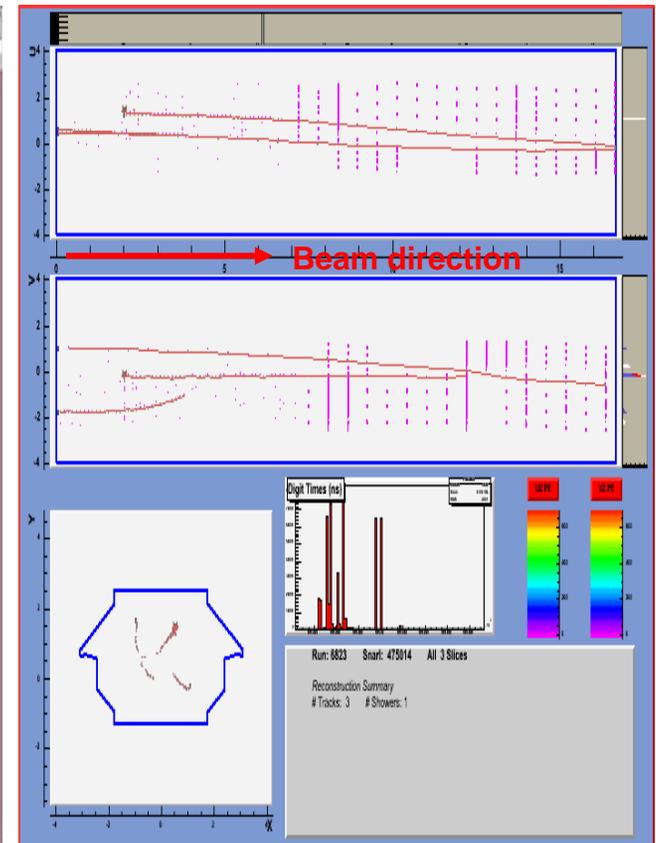


Near Detector events during the low intensity runs



One rock muon

Events at ND during normal intensity



Neutrino interaction