

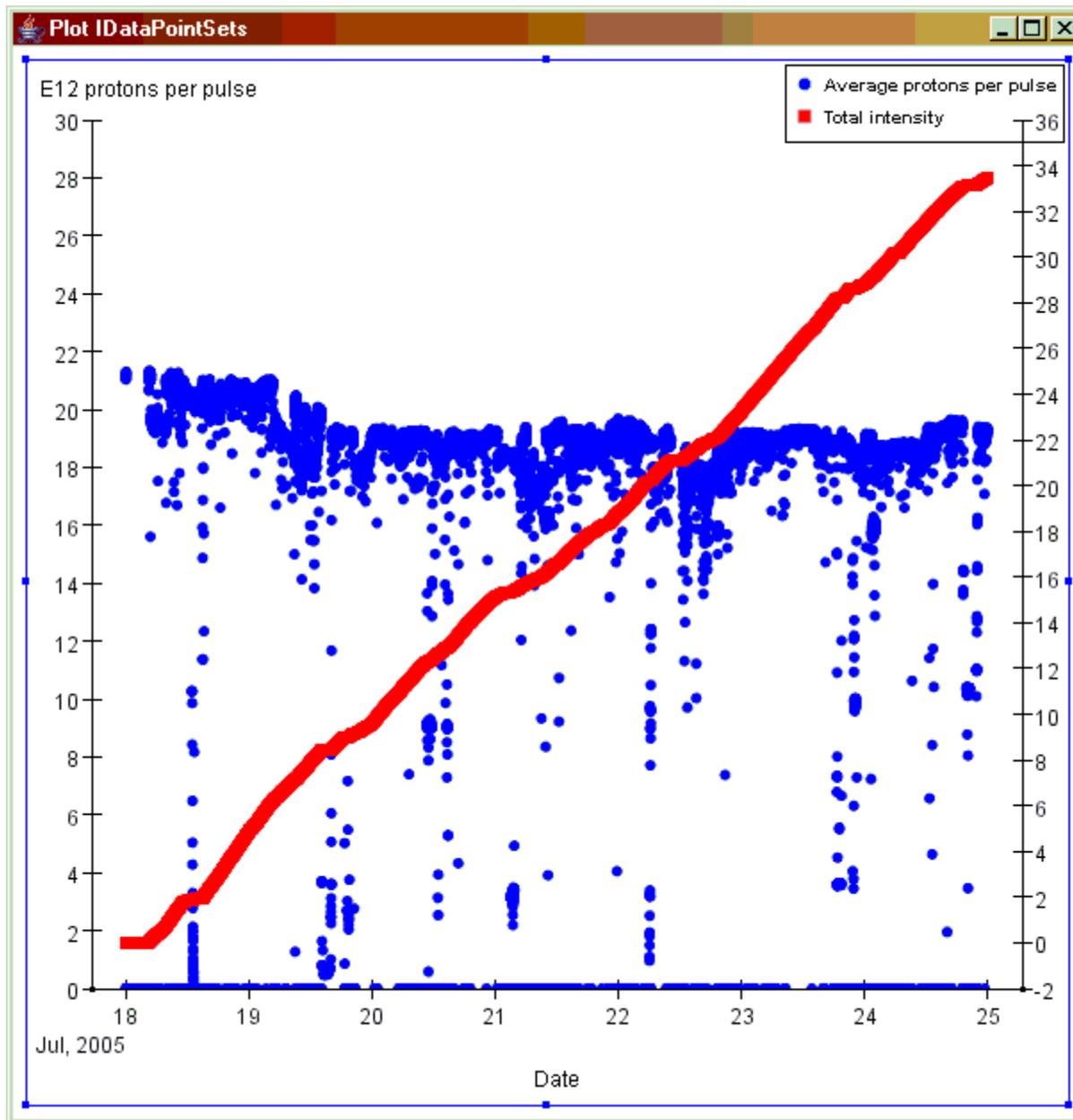
# Numi/Minos Status

Fermilab All-Experimenters' Meeting  
7/25/05

Rob Plunkett

# NuMI Beam Status

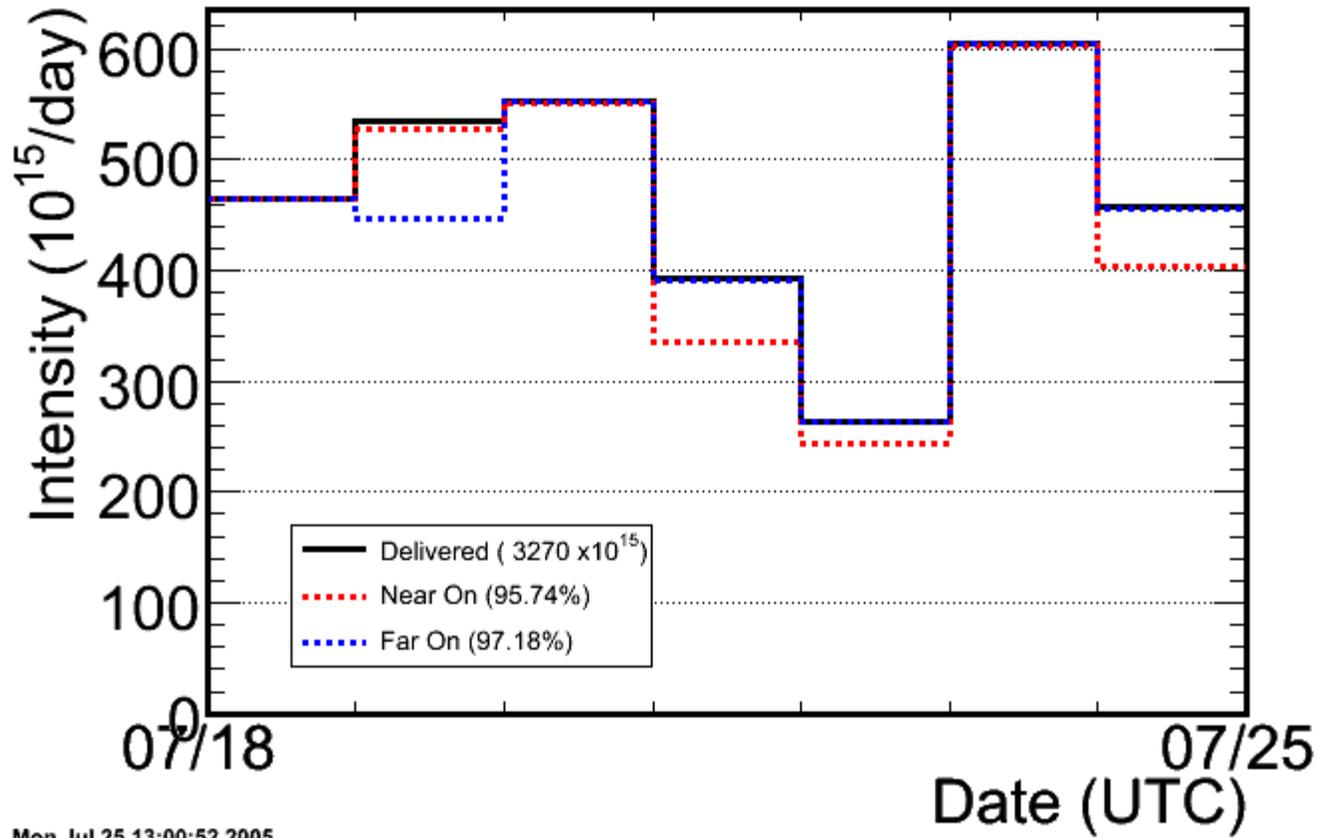
- Stable running at 11 booster turns
- Difficulties in booster clearly seen as slightly decreased intensities.
- Interleaved NuMI-only cycles have slightly different positions on target
  - Sometimes confuses Autotune program
  - Parameters adjusted to improve this – investigating running separate Autotunes for the two cycles so as to avoid “phase lock” problems.
- No change in target status.
  - Expect to do another scan this Friday.



# MINOS Detector Status

- Detector efficiencies above 95%.
- Down time at near detector from several sources
  - Components which are sensitive to electrical glitches
    - One LeCroy 1440 HV mainframe (other one fine)
    - Several rack protection units (or their sensors) in the spectrometer section of the detector
  - This caused problems from thunderstorm and from feeder work.
  - Timing module in Master Crate (~1/6 of calorimeter) failed in a non-obvious fashion.
    - Generated lots of below-threshold activity and caused read out data to have strange characteristics, including irregular timestamps.
    - About 3.5 hours to diagnose and fix.
- Far detector downtime also from timing issues.
  - Remarkably similar – since systems are totally different.
  - At first assumed to be onboard readout processor. But that was OK.
  - Also took a few hours.

### Number of POTs vs Time



## NuMI Protons

