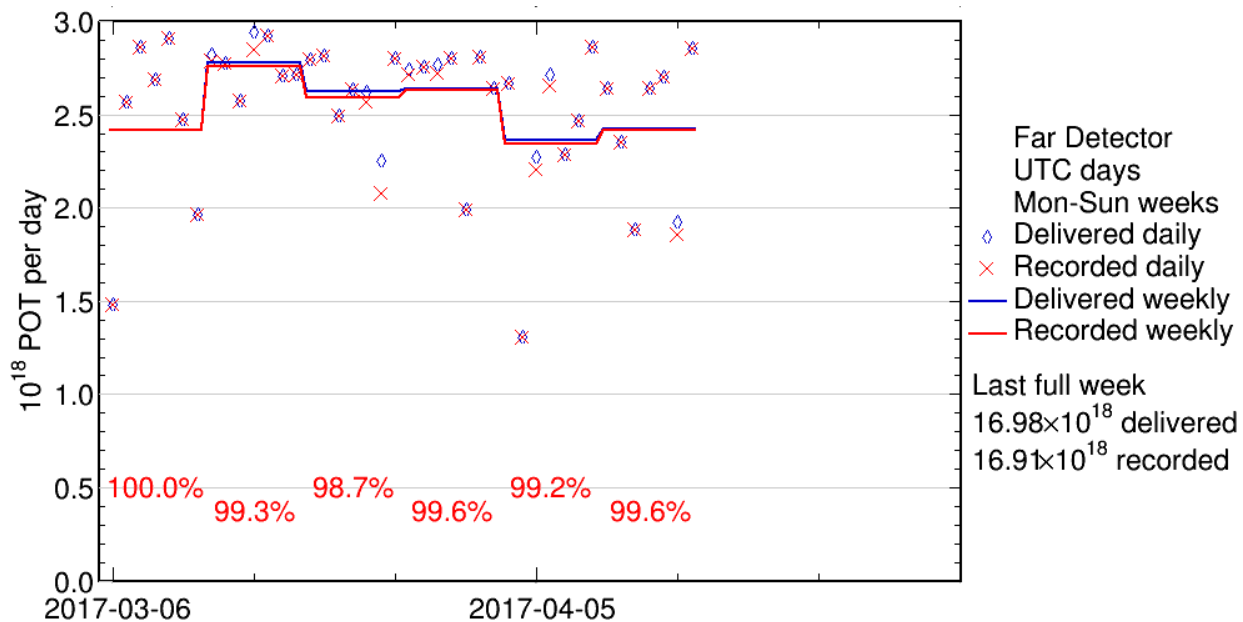


NOvA Experiment Report

Operations for the Week of 4/10

Gavin Davies
Indiana University
17 April 2017

DAQ Status and Uptime

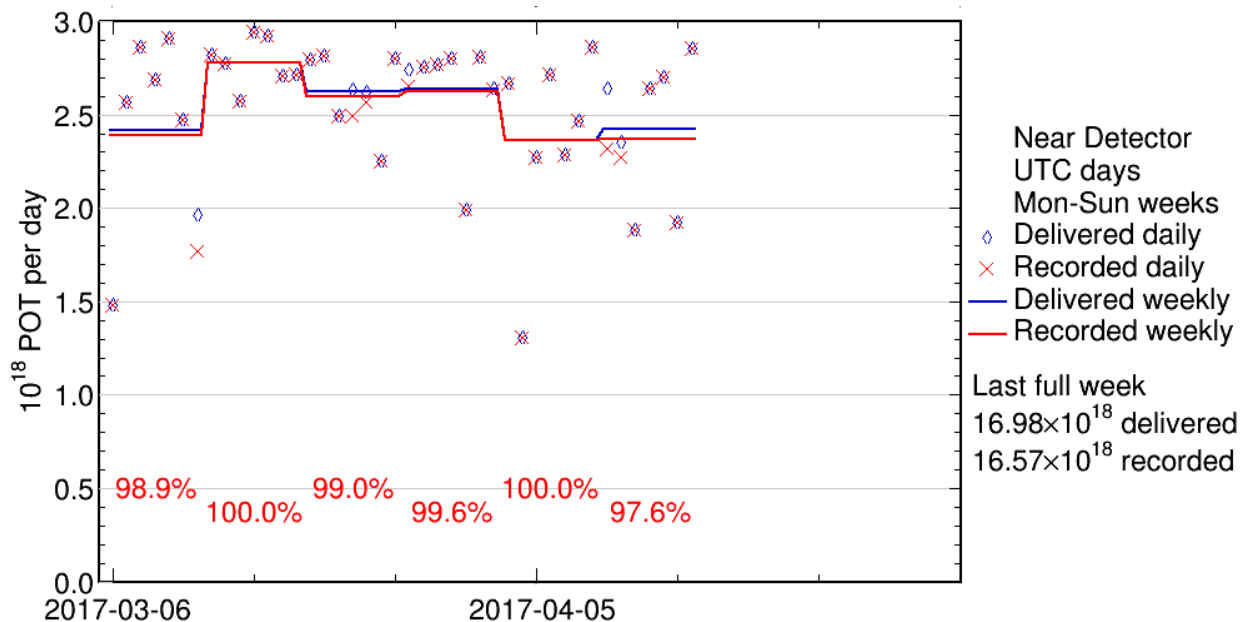


Far Detector

- 99.2% POT fraction for last 4 weeks

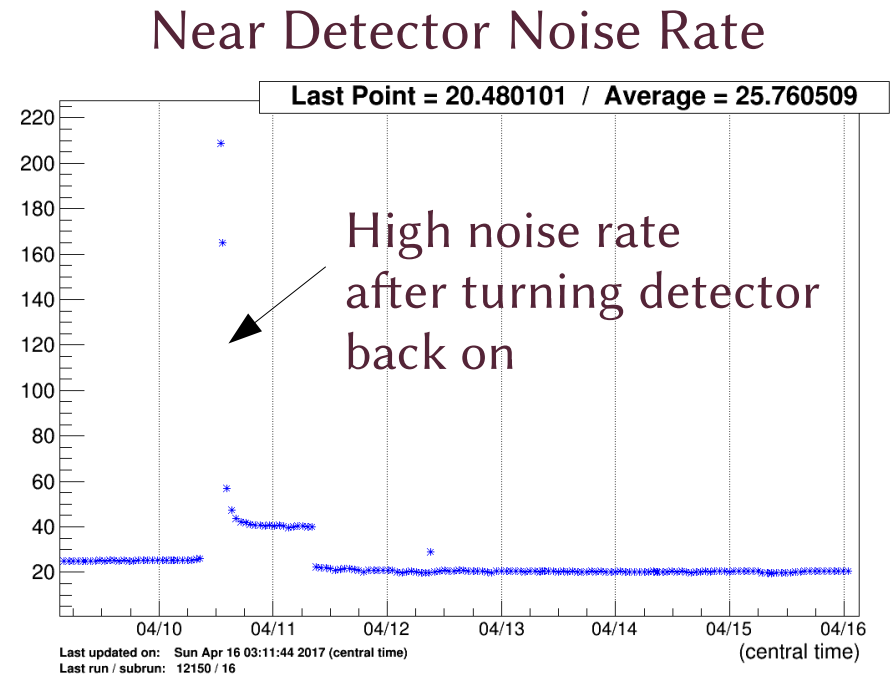
Near Detector

- 99.0% POT fraction for last 4 weeks



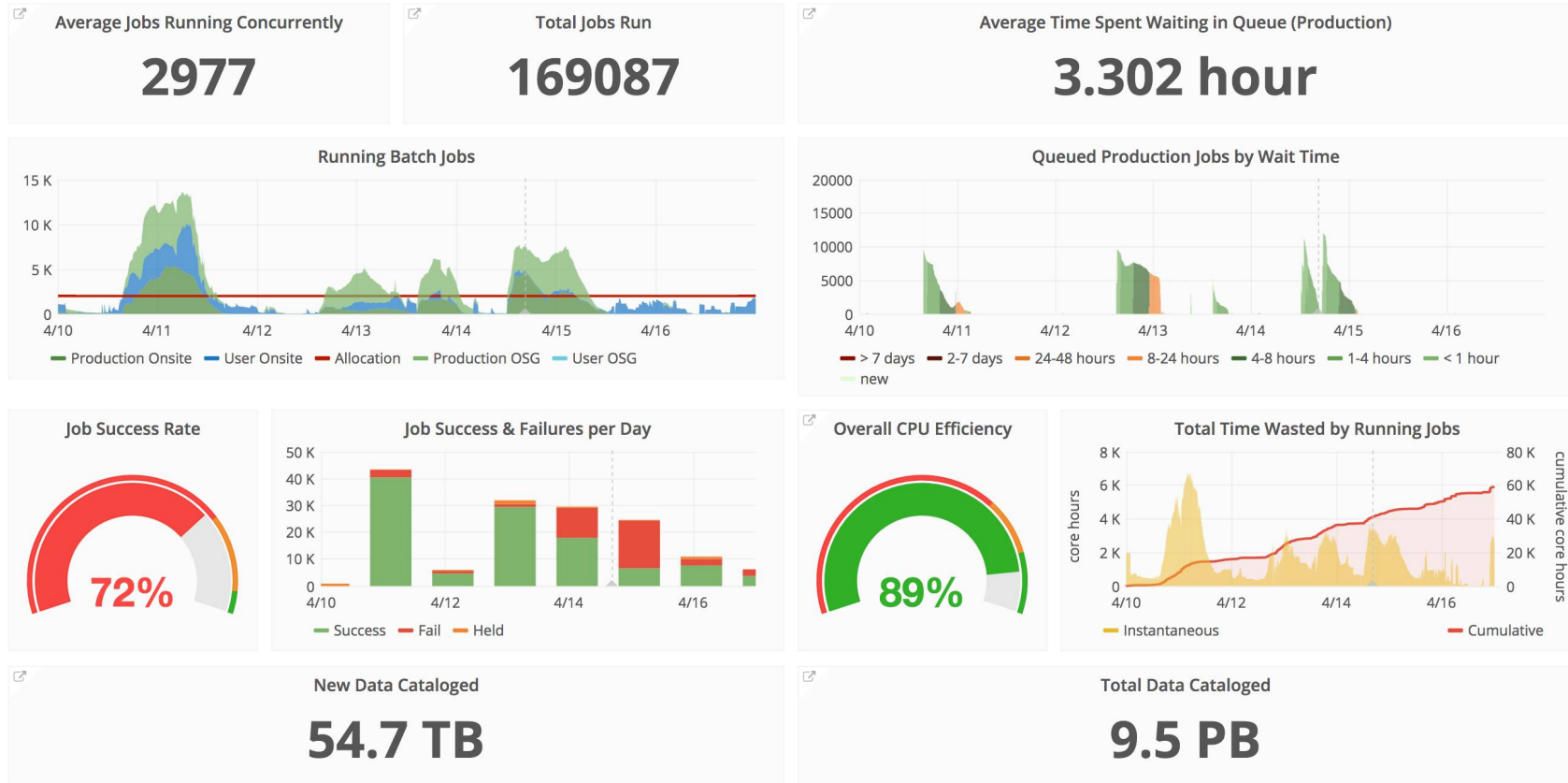
Highlights

- Far Detector:
 - Identified missing database entries causing us to underestimate our POT fraction
 - After fixing this, our POT fraction is better than previously reported
- Near Detector:
 - 4/10: ND chiller was taken off line for maintenance
 - Normal maintenance, but the back up chiller was not functioning at full capacity
 - NOvA is very sensitive to changes in water temperature and needed to be stopped and HV turned off
 - When HV is lost, detector can take up to a day for noise to reach acceptable levels



Last Week

NOvA Computing Summary



- Production continues, focusing on systematic variations for the cross-section analyses and far detector simulation.
- Large number of failures over the weekend from jobs launched on Friday.
 - A case where fixing one problem created other problems elsewhere.
 - Went unnoticed until Monday because of the holiday weekend.