NOvA Experiment Report
Update for NOvA Operations; week of 05/01/2017

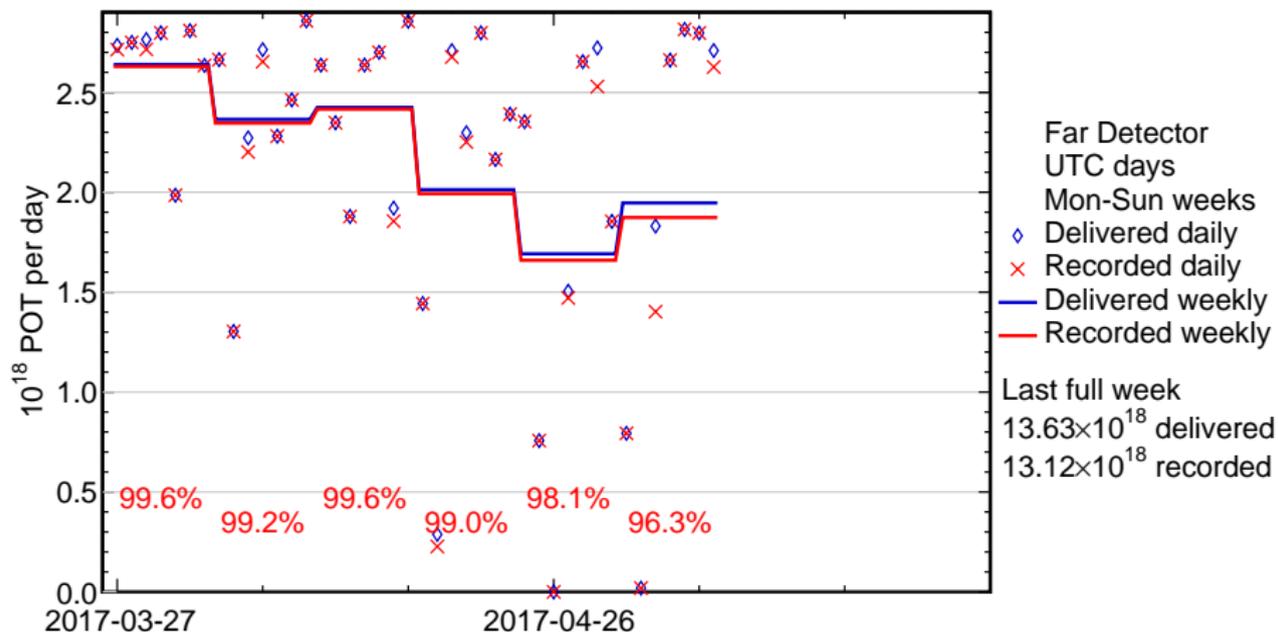Erica Smith

Indiana University

May 8, 2017

98.25% POT-weighted uptime for the last 4 weeks (FarDet)
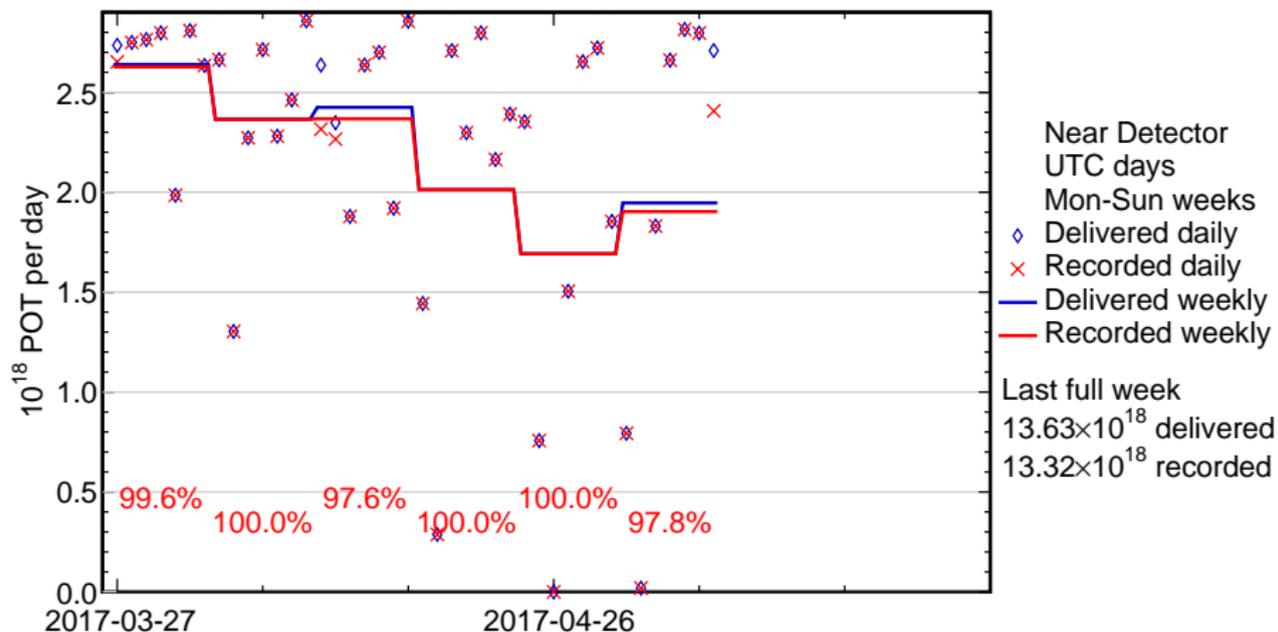
Far Detector
UTC days
Mon-Sun weeks
◇ Delivered daily
× Recorded daily
— Delivered weekly
— Recorded weekly

Last full week
13.63×10^{18} delivered
13.12×10^{18} recorded

FarDet Work

- annual maintenance at the FarDet gave us an opportunity to produce a well-monitored high temperature event in the computing cluster
- tests revealed some flaws in the automatic scripts which shut down the cluster when detecting rising temperatures
- cluster was shut down manually (majority of FarDet downtime last week)
- the scripts have been updated and we are scheduling another test for this week

98.85% POT-weighted uptime for the last 4 weeks (NearDet)

Near Detector
UTC days
Mon-Sun weeks
◇ Delivered daily
✕ Recorded daily
— Delivered weekly
— Recorded weekly

Last full week
13.63×10^{18} delivered
13.32×10^{18} recorded

Computing

- Finished running human-time-limited systematic samples last week
- Transition to large-scale cosmic data processing over the weekend, will be focus this week
  - Thanks again to Data Storage for setting up dedicated dCache pool to facilitate retrieval of 100s of TBs of cosmic data from tape
  - Avg. job efficiency low because of startup of ~ 10K of these jobs simultaneously. Steadily improving since yesterday