



# NOvA Experiment Report

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Erica Smith

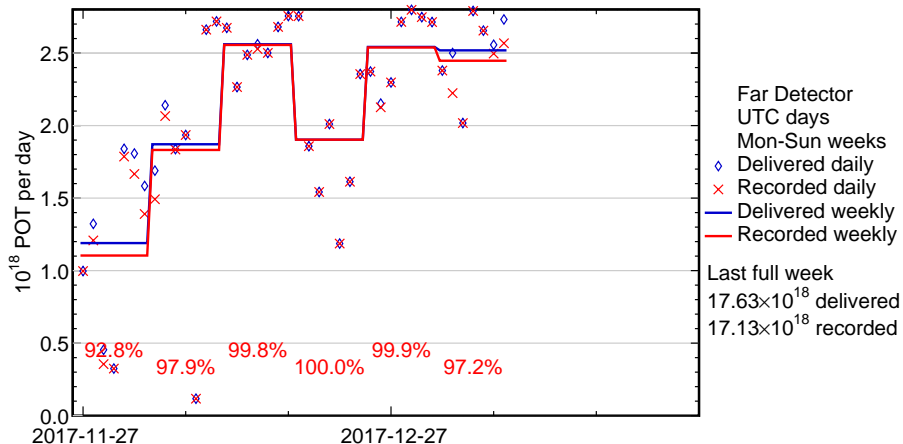
Indiana University

January 8, 2018

- Far Detector downtime for the majority of the day shift tomorrow
  - purpose is to install and test fail-safe, temperature-controlled electrical panel breakers for the Far Detector computing room
  - last step in our remediation of the features of the computing room and cluster infrastructure design that led to the November 2016 sprinkler activation incident
  - any elevation of the computer room temperature above our set threshold will result in power to the computing room being cut
  - restoration of power in such a case will require manual intervention in the computing room

# DAQ Status and Uptime: FarDet

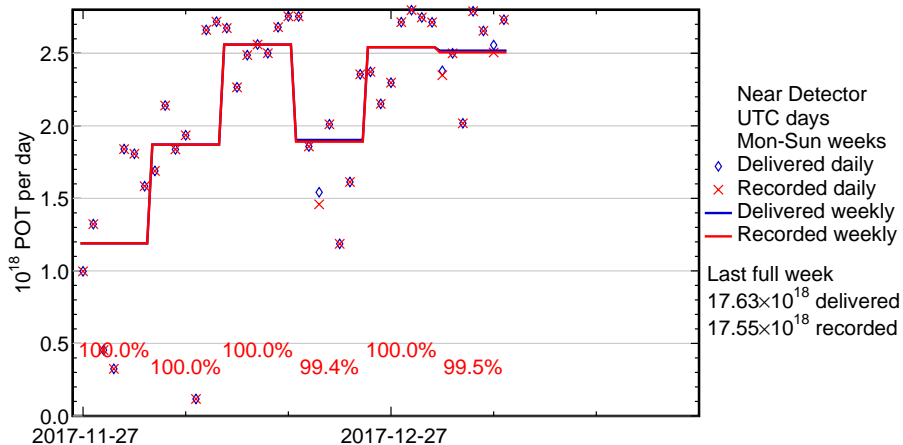
Four Week Average: 99.225%



FY18 POT:  $9.8E19$  delivered |  $9.6E19$  recorded  
Total neutrino mode POT delivered:  $124.06E19$   
Total anti-neutrino mode POT delivered:  $48.54E19$

# DAQ Status and Uptime: NearDet

Four Week Average: 99.725%



Average Jobs Running Concurrently

**6214**

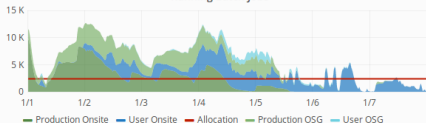
Total Jobs Run

**228581**

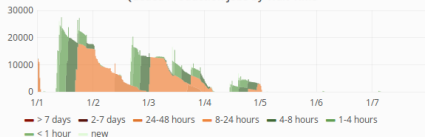
Average Time Spent Waiting in Queue (Production)

**11.76 hour**

Running Batch Jobs



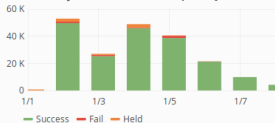
Queued Production Jobs by Wait Time



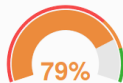
Job Success Rate



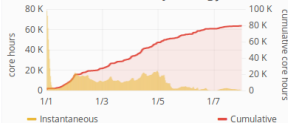
Job Success &amp; Failures per Day



Overall CPU Efficiency



Total Time Wasted by Running Jobs



New Data Cataloged

**11.1 TB**

Total Data Cataloged

**15.1 PB**

- Winter production campaign continues.
- Working with FIFE & Storage to optimize production file handling (extra throughput over holidays created backlog of files to be written to tape)