



NOvA experiment report

An update of NOvA operations week of 11/21

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Highlights from the week



- Far Detector down since Nov. 19th partial power outage
 - Reminder: compressor failure led to overheating in the server room and a 135°F sprinkler discharging
- NOvA has continued to run shifts and the Near Detector is running
- Ongoing electronic equipment inspection at FD; assessing damage
 - Controlled, safe fashion of inspection
 - Ran with Slow Controls monitoring and cameras over the weekend
 - Extra shifts worked by crew at Ash River last week to expedite inspection

Far Detector Operations



- Team of experts dispatched from Fermilab and Caltech yesterday to start energizing of equipment; thanks to FEF and SCD for personnel
 - Power up of systems started this morning
 - Working towards recording NuMI triggers this week

- Steps we can take immediately to avoid a repeat of the overheating incident while we continue to analyze the incident:
 - Lower the hardware trip point for the computers to give more headroom.
 - Call in experts to Ash River in case of cooling failure or networking failure
 - Change to 212°F sprinkler heads, timing TBD

DAQ Status and Uptime



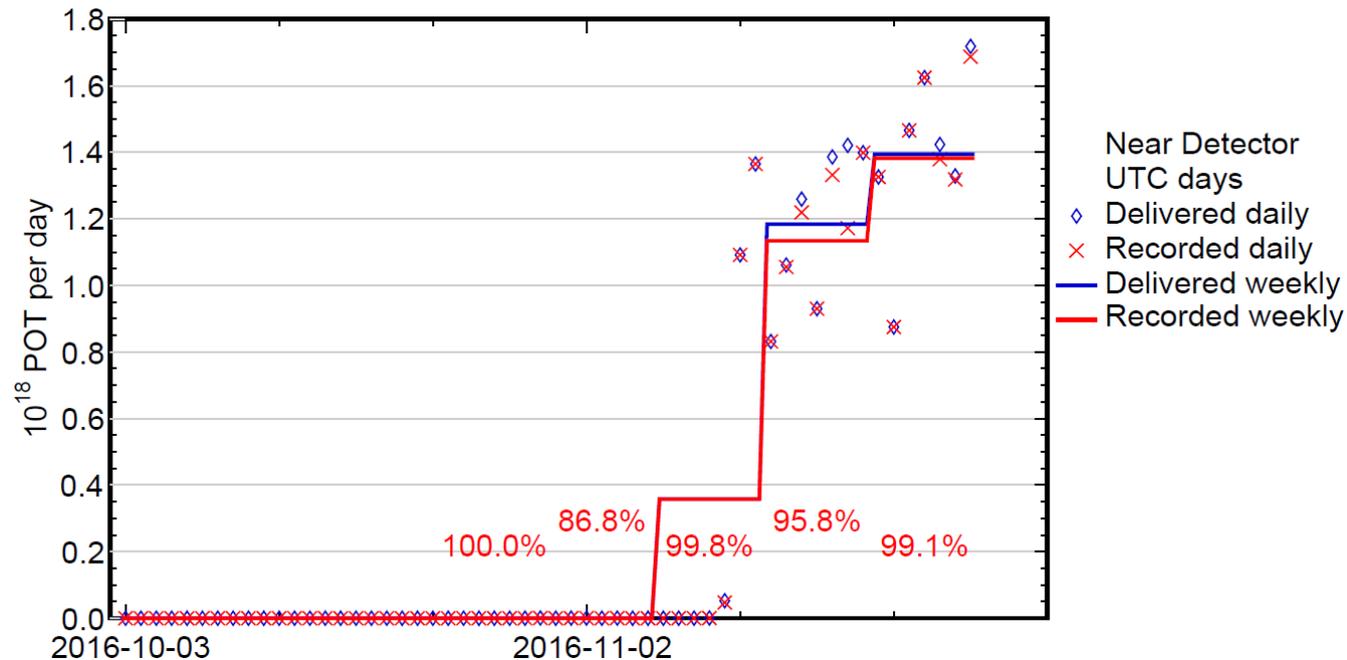
As stated, work is ongoing to restore operations at the Far Detector

Near Detector is running smooth.

Down 3.5 hours Thanksgiving Night due to PLC problems with the NuMI LCW (low conductivity water)

Weekly efficiency 99.1%

9.76e18 POT delivered



Last Week

Average Jobs Running Concurrently [↗](#)

1166

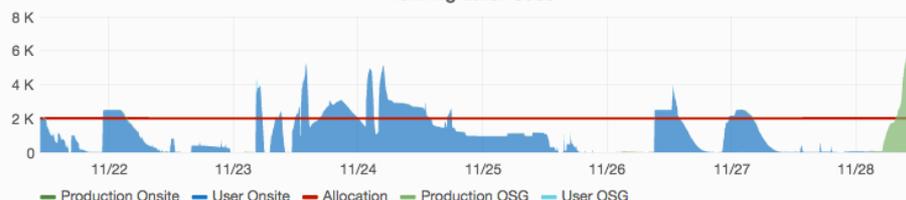
Total Jobs Run [↗](#)

95618

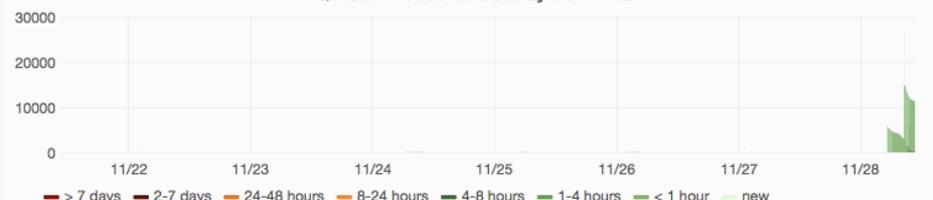
Average Time Spent Waiting in Queue (Production) [↗](#)

47.2 min

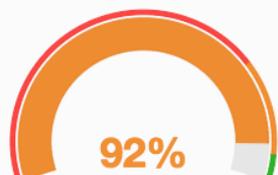
Running Batch Jobs



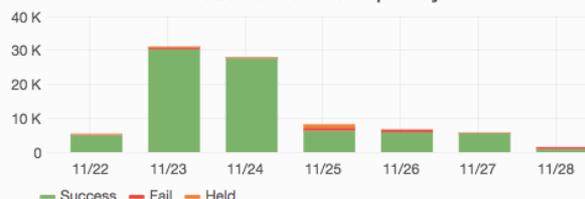
Queued Production Jobs by Wait Time



Job Success Rate



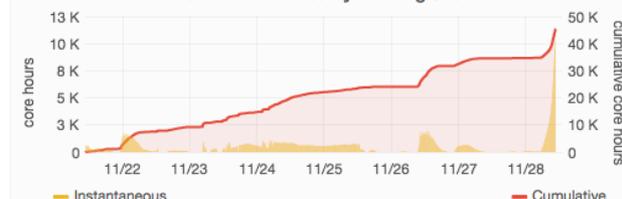
Job Success & Failures per Day



Overall CPU Efficiency [↗](#)



Total Time Wasted by Running Jobs



New Data Cataloged [↗](#)

68.2 TB

Total Data Cataloged [↗](#)

8.0 PB

Generally a quiet week due to Thanksgiving.

Production did not quite succeed in getting MC generation going over the holiday.

- It is getting started today.