

# NOvA Experiment Report

## Update on NOvA Operations



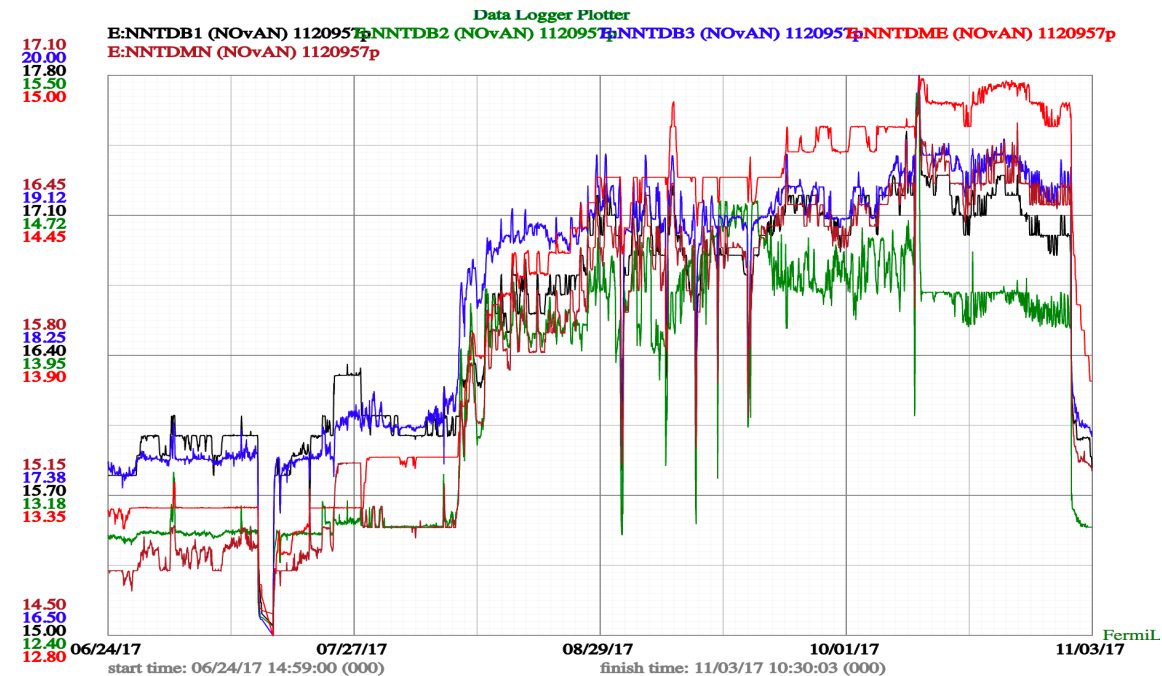
Michael Baird, University of Virginia

AEM Meeting

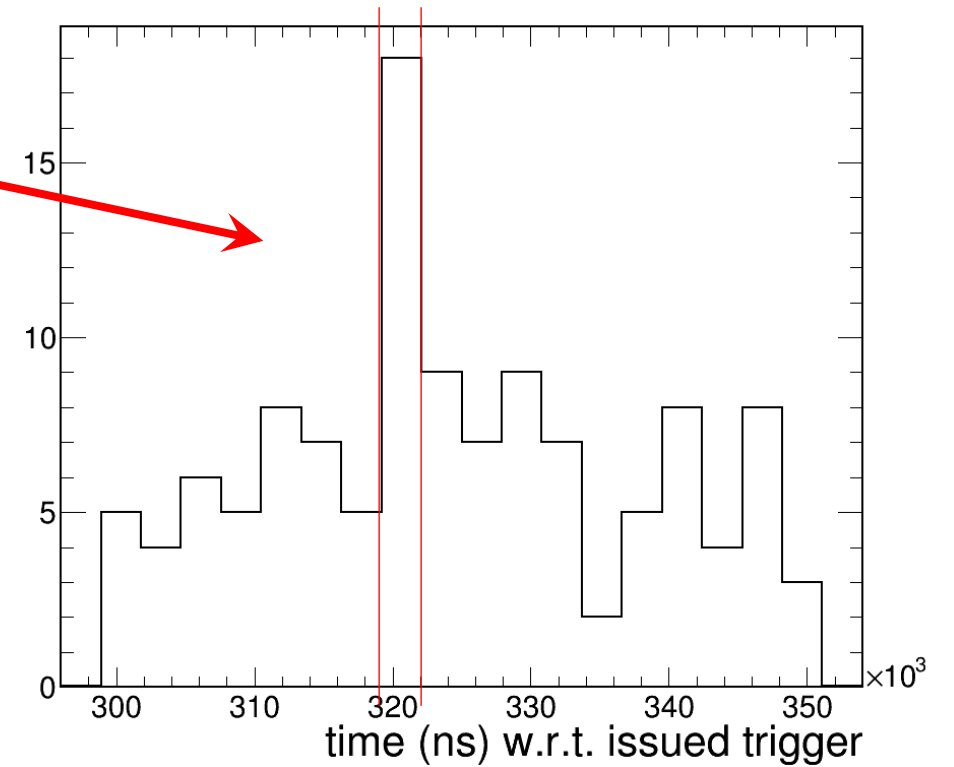
Monday, Nov. 6<sup>th</sup> 2017

# Experimental Status:

- Both detectors are now running stably.
- We are still cleaning up a few scripts etc. and shifting back into “beam-on” mode.
- A look into BNB timing peak has begun:
- ND cavern temperatures are back to normal:



NOvA - M.Baird



# FD Stability:

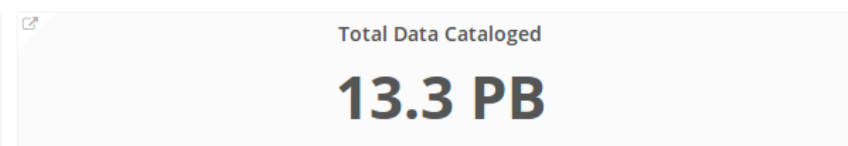
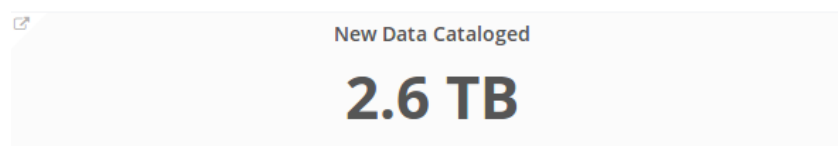
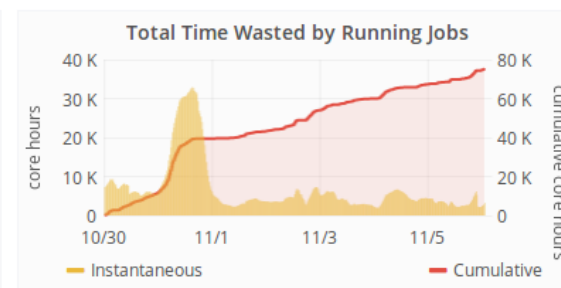
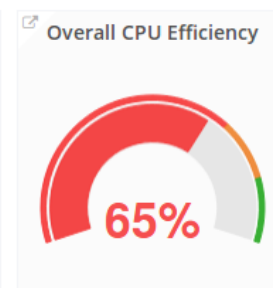
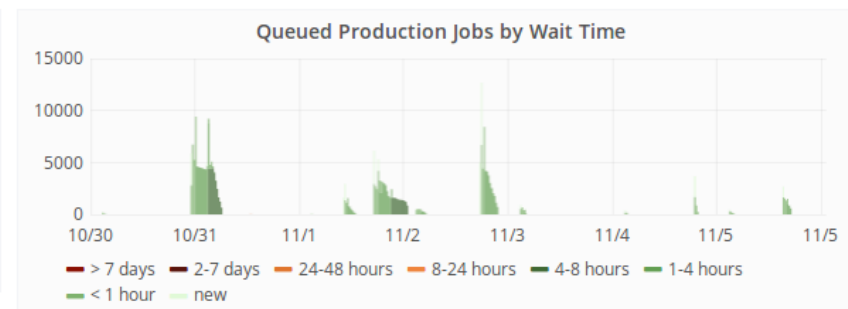
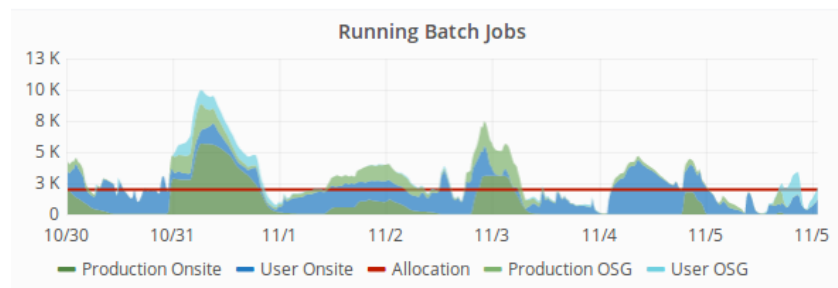
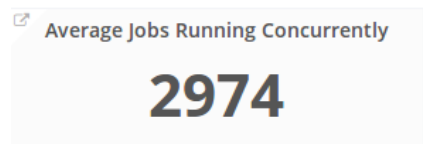
- On Wed. 10/25, we had a power bump at Ash River due to the first winter storm of the season.
- The FD DAQ was unstable (~3 crashes per day) for the week that followed.
- Suspect that this was caused by a “clean up” script not properly included in a software tag rolled out on the same day. We returned to stable running on Friday and ran through the weekend without any crashes.
- During our investigations, we did a lot of “DAQ-scrubbing” and discovered a possible networking hardware failure on one of our datadisk nodes. We’re glad we discovered all of this prior to the return of beam!

# Computing Status:

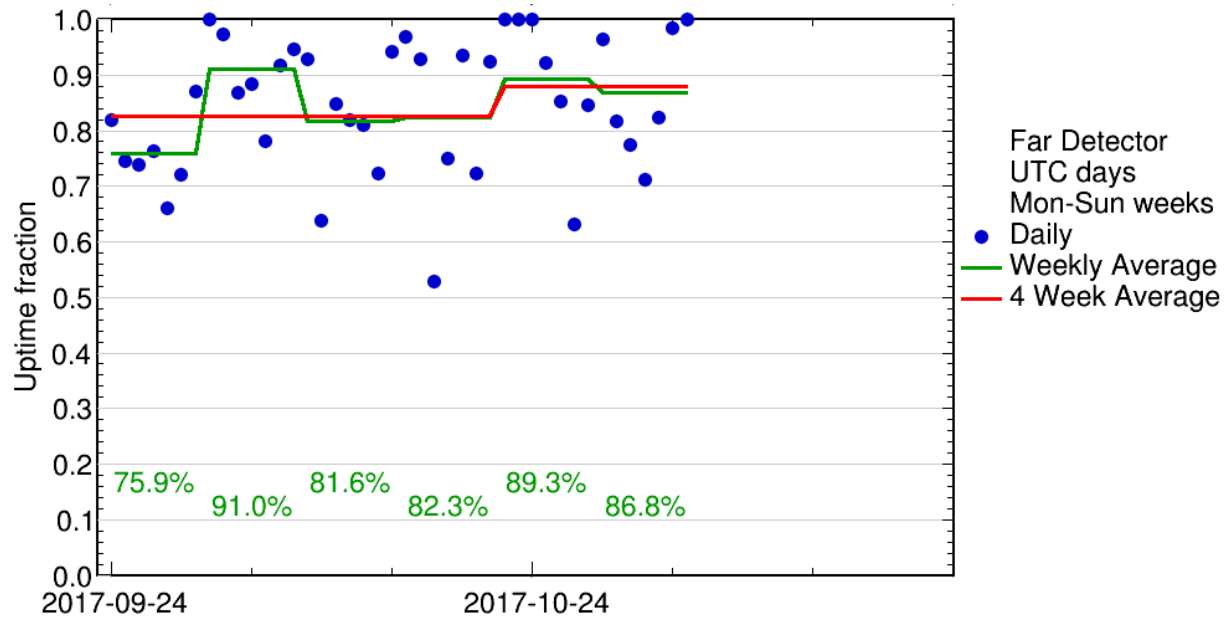
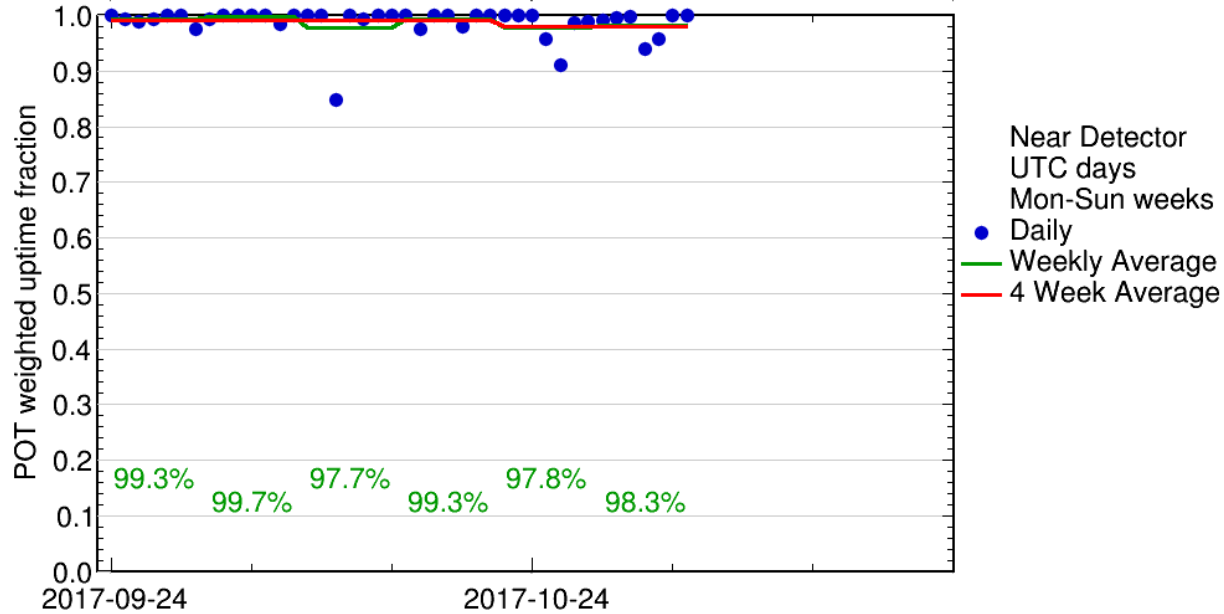
- Slow week production-wise. Next major campaign kicks off next week (11/13)

- Inefficiency peak 10/31 due to disk issue in dCache [INC000000900157], resolved by Storage

- Heavy user grid use continues (W&C in Dec)



# Uptime:



## Near Detector:

- Some planned downtime to update our trigger software.

## Far Detector:

- Most downtime was due to DAQ instabilities, debugging and recovery, testing of loadshed scripts.
- Uptime excluding planned downtime was **95%**.
- Uptime from Friday morning to Sunday night was **100%**!