

# NOvA Experiment Report

## Update on NOvA Operations

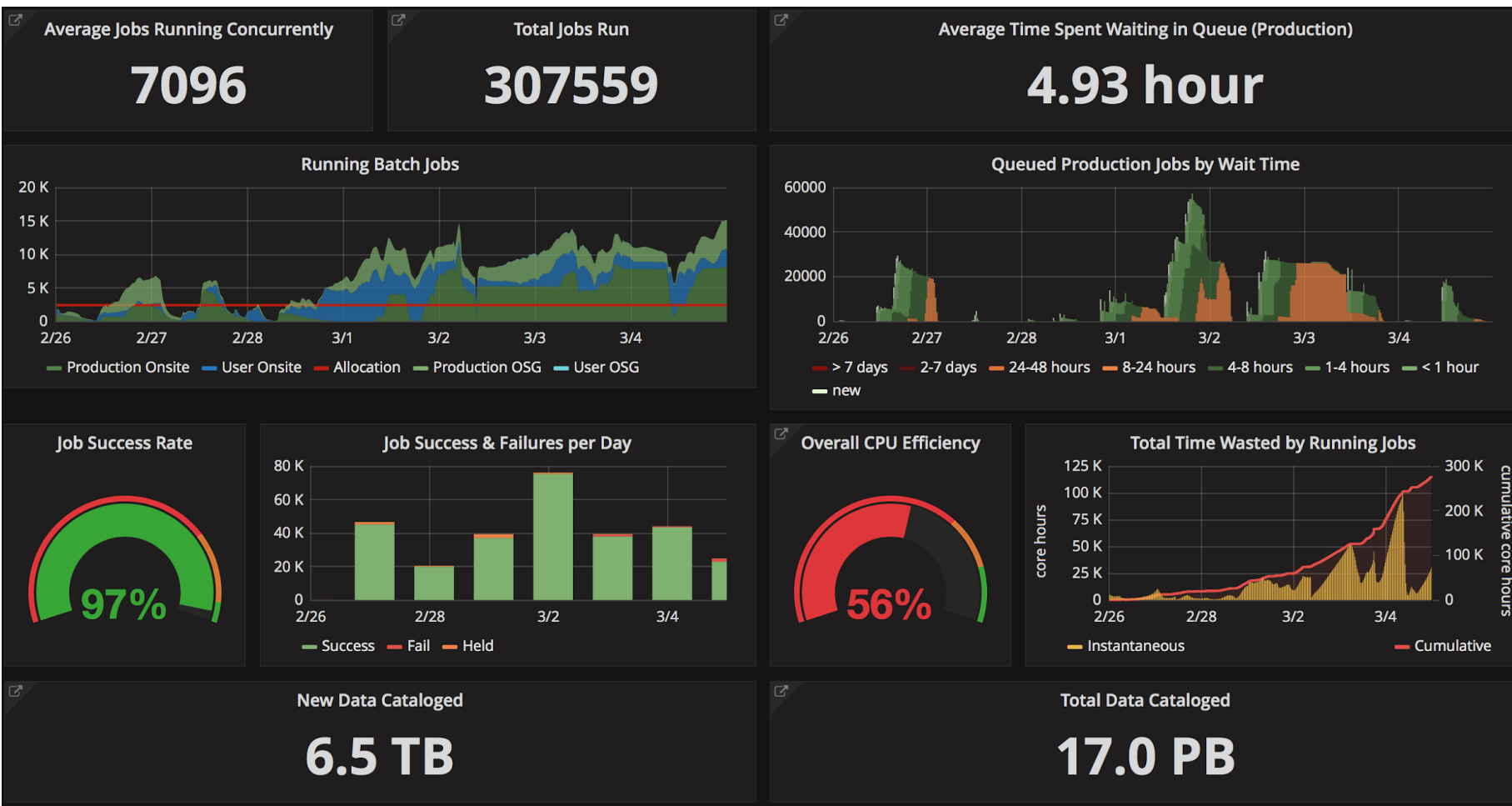


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AEM Meeting

Monday, Mar. 05<sup>th</sup> 2018

# Computing Summary:



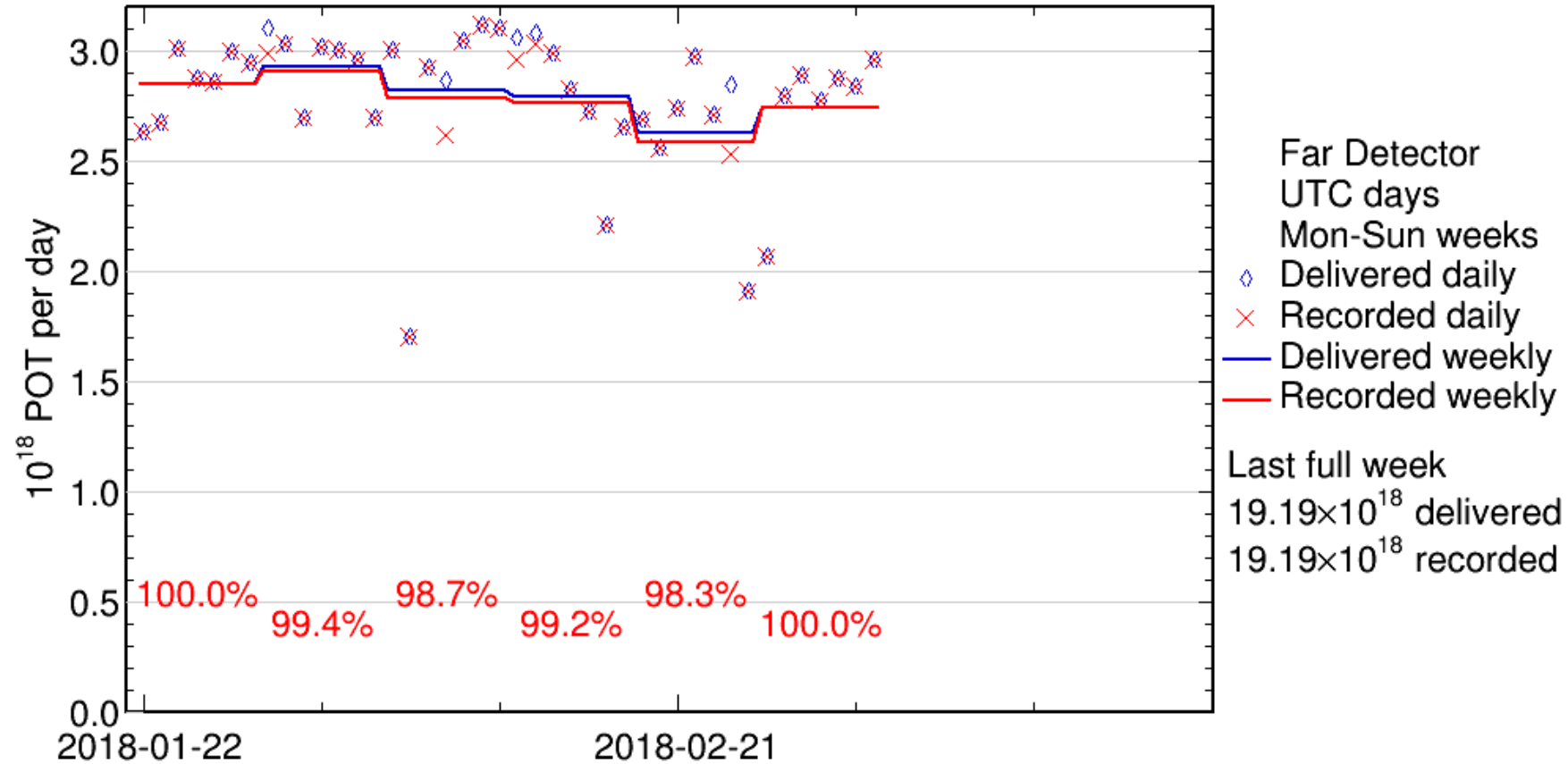
- Winter production campaign nearing completion, experiencing good though-put on OSG and FermiGrid.
- Low computing efficiency due to current workflow which runs very quickly over large input files.

# ND Downtime this week:

## There were two downtimes this week:

- **“Normal” DAQ crash on Monday evening (25 minutes of downtime.)**
- **PLC blocked Tuesday morning ~4:30am.**
  - Continuation of problems from the site-wide power bump on Sunday 02/25.
  - The PLC was unreachable starting at 4:30am. Decided to turn off the detector until experts could investigate.
  - Investigations showed that the firewall for the PLC did not come back up after the power outage recovery on Sunday. The PLC was manually power cycled at the time, which may have been the first time this has ever been necessary.
  - SCD blocked the PLC from the network at 4:30am.
  - The firewall is back up and has been set to be persistent.
  - Total downtime ~7 hours.

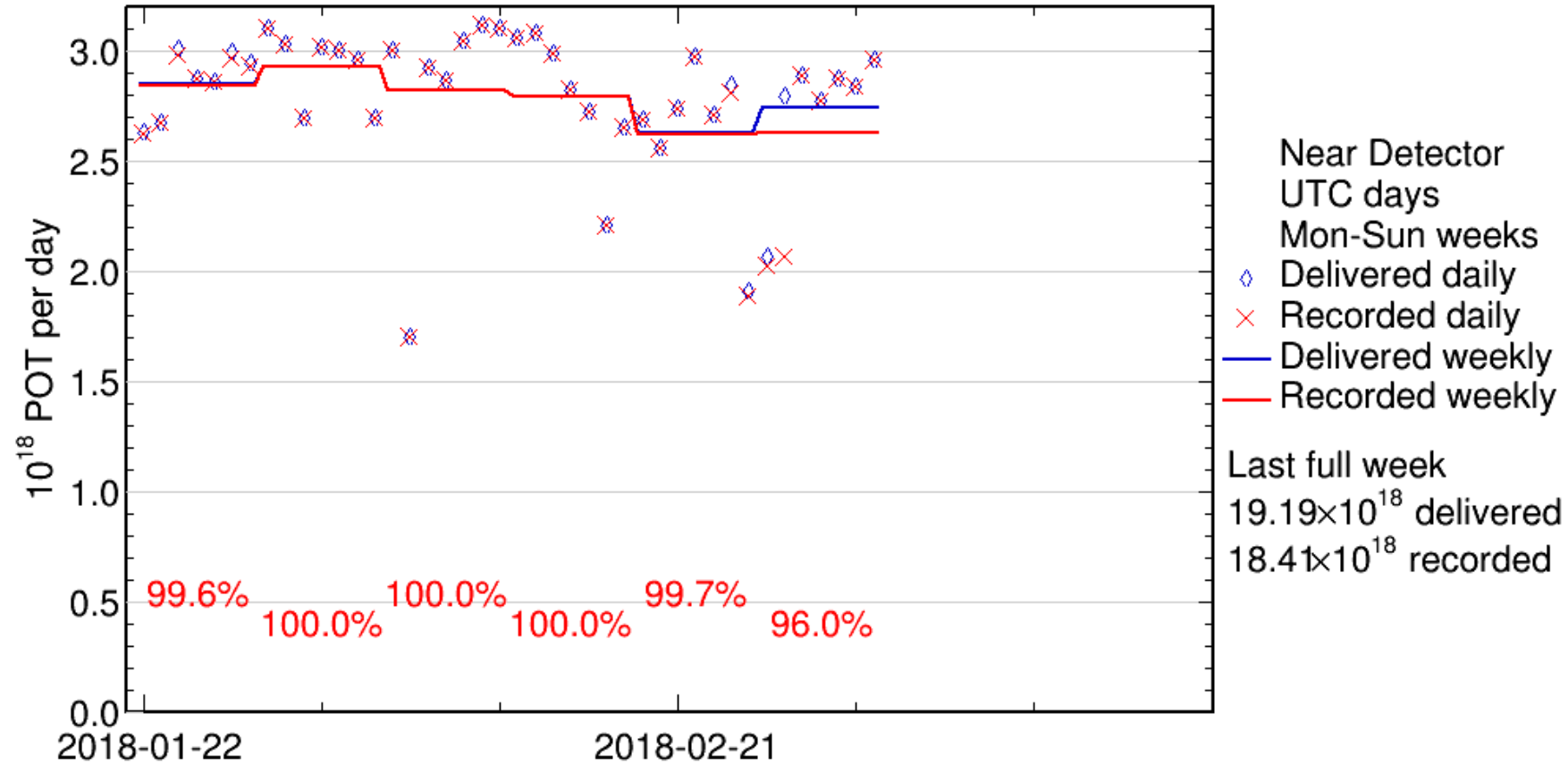
# FD Summary:



4 week ave: **99.05%**

- FY 2018 POT:  $25.1 \times 10^{19}$  delivered,  $24.7 \times 10^{19}$  recorded
- Total nu mode POT delivered:  $124.06 \times 10^{19}$
- Total anti-nu mode POT delivered:  $63.8 \times 10^{19}$

# ND Summary:



**4 week ave: 98.93%**

Downtime on Tuesday was do to issues with the PLC requiring a detector shutdown.