



# **NOvA Experiment Report**

## **Update on NOvA Operations**

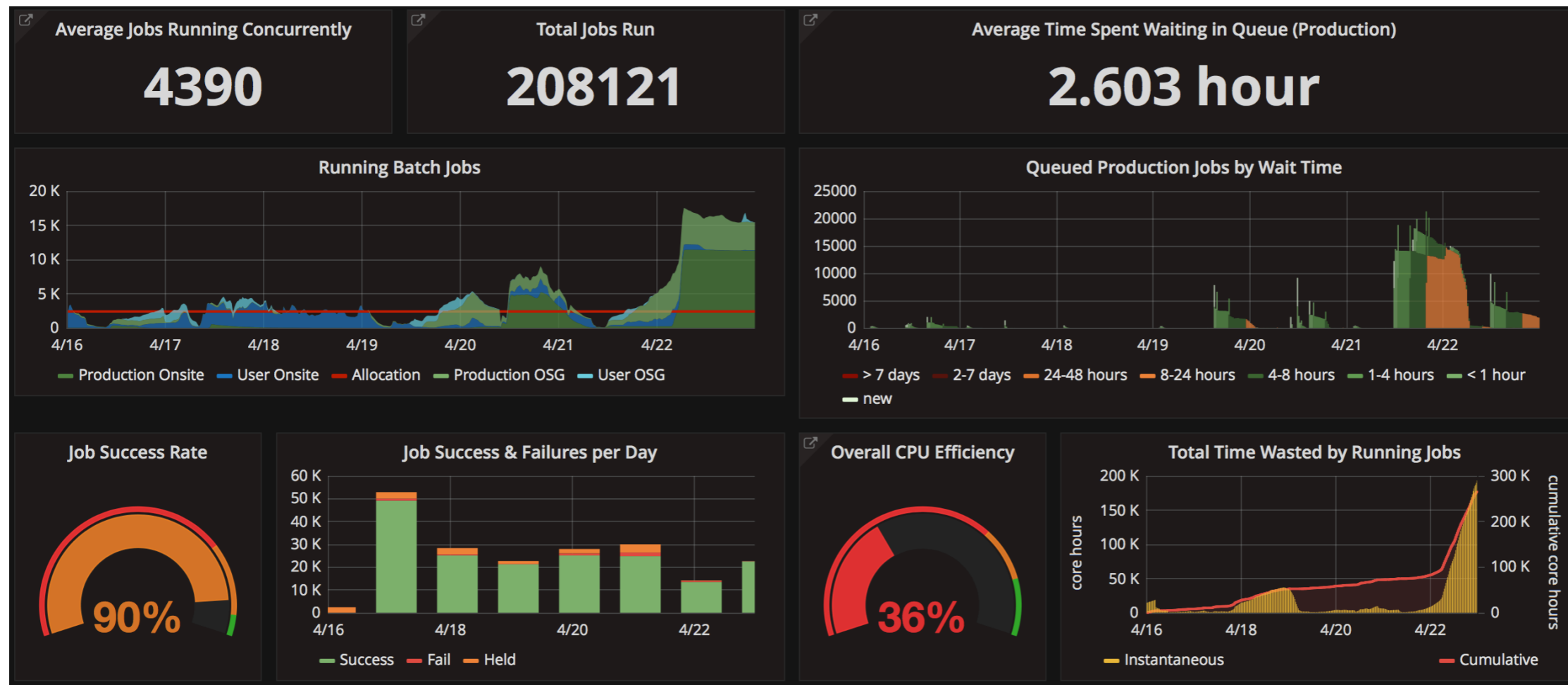
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Reddy Pratap Gandrajula, Michigan State University

AEM Meeting

Monday, April 23<sup>rd</sup>, 2018

# Computing Summary:



- Grid usage during the week dominated by users with a workflow which naturally has quite low efficiency.
- Production had a large push over the weekend to generate systematic files which run very quickly, also lowering efficiency.
- Grid usage expected to be dominated by users through end of June to prepare for Summer conferences.

# Summary of operations

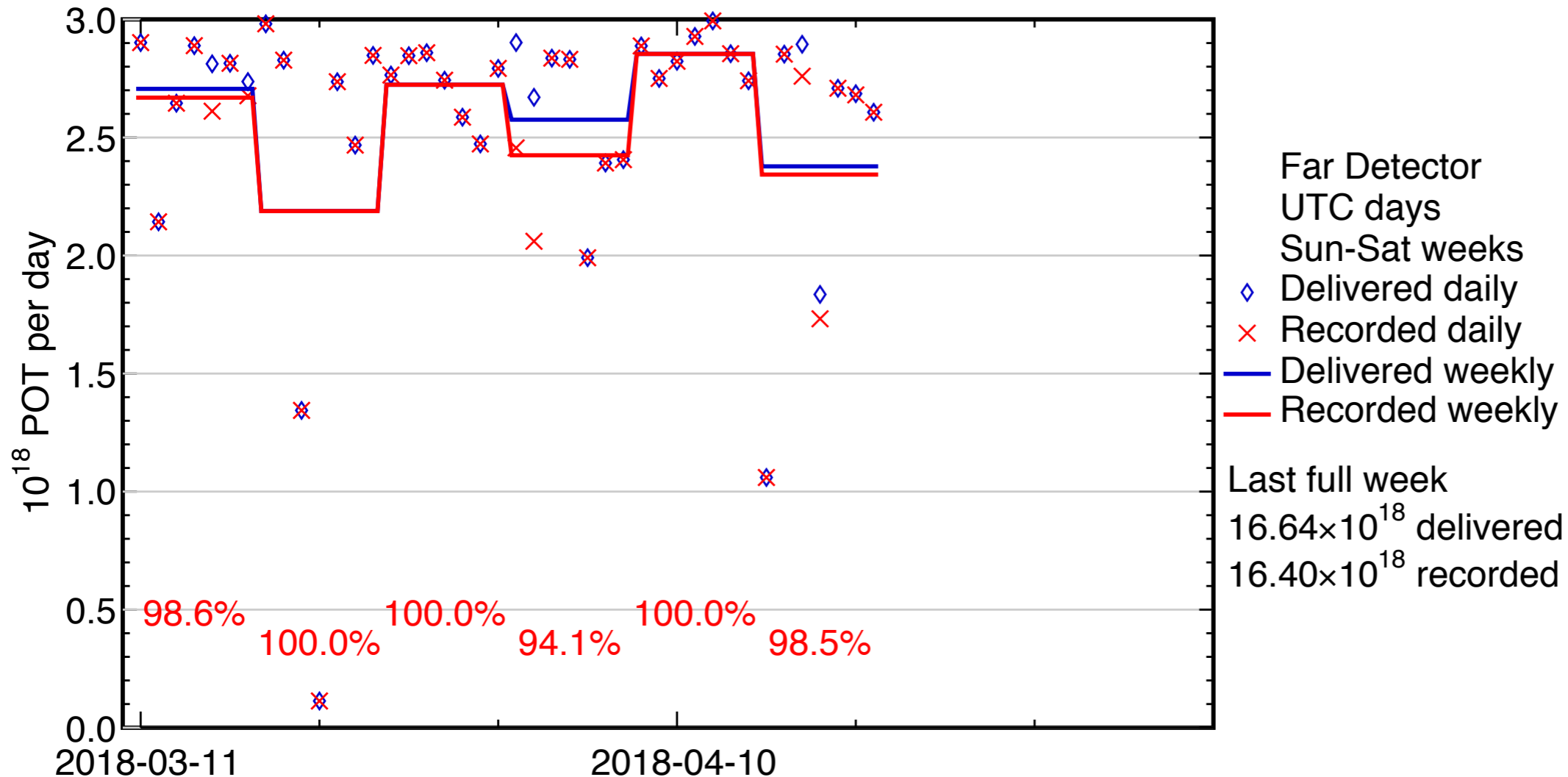
- We have extend the supernova trigger readout timing window to 45s, to store valuable data in case of Supernova.
- Significant raise in cached memory usage on FD buffer nodes resulted in run crashes, totaling 2 hours 30 mins downtime. A temporary fix was implemented on Thursday, and we plan to fix this during the upcoming beam downtime.
- Near Detector was running well.

## **Planned expert activities for two-day beam downtime:**

- We continue to further investigate on cached memory issue to find a solution for buffer node unresponsive errors
- Ash River experts are prepared to do hardware maintenance by swapping about 8 FEBs on the Far Detector.
- Hands on DAQ training for new members to prepare for DAQ On call expert shifts

# FD Summary:

Four-week mean POT-weighted uptime: 98.2%



- FY2018 POT:  **$3.66 \times 10^{20}$**  delivered,  **$3.60 \times 10^{20}$**  recorded
- Total nu mode POT recorded:  **$11.46 \times 10^{20}$  ( $8.85 \times 10^{20}$  14 kt equiv.)**
- Total anti-nu mode POT recorded:  **$7.39 \times 10^{20}$**

# ND Summary:

Four-week mean POT-weighted uptime: 99.9 %

