



NOvA Experiment Report

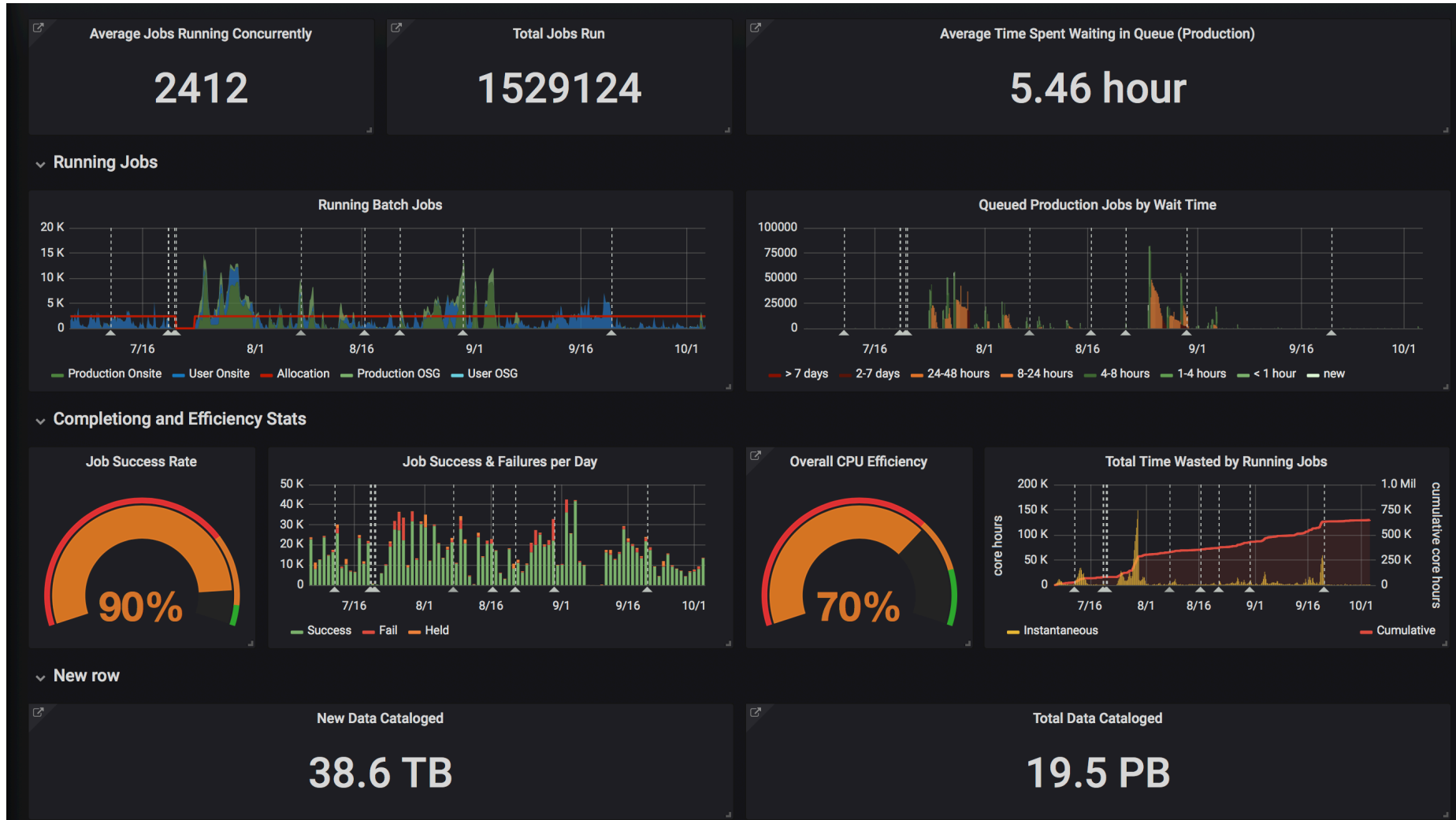
Update on NOvA Operations

since beam shutdown 07/06

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Proton PMG Meeting
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Computing Summary for the last 3 months:



- NOvA has been winding down its production campaign for its 2018 oscillation results
- Production jobs during this time have primarily been completing/reprocessing systematics samples
- NOvA postponed production jobs for most of Sep due to the tape shortage

Detector's Operations Summary:

- **Summer shutdown:** DAQ, Data Driven Triggers(DDT) and Test Beam programs went through major updates.
 - New post 2018 shutdown stable DAQ, DDT, and monitoring release versions were tagged and deployed
 - Implemented two new triggers NNBar oscillations, Horizontal Muon that are all been running well, in addition to updates to the old DDSN, NN-based Fast Monopole, and Michel triggers

Thanks to Ash River Crew

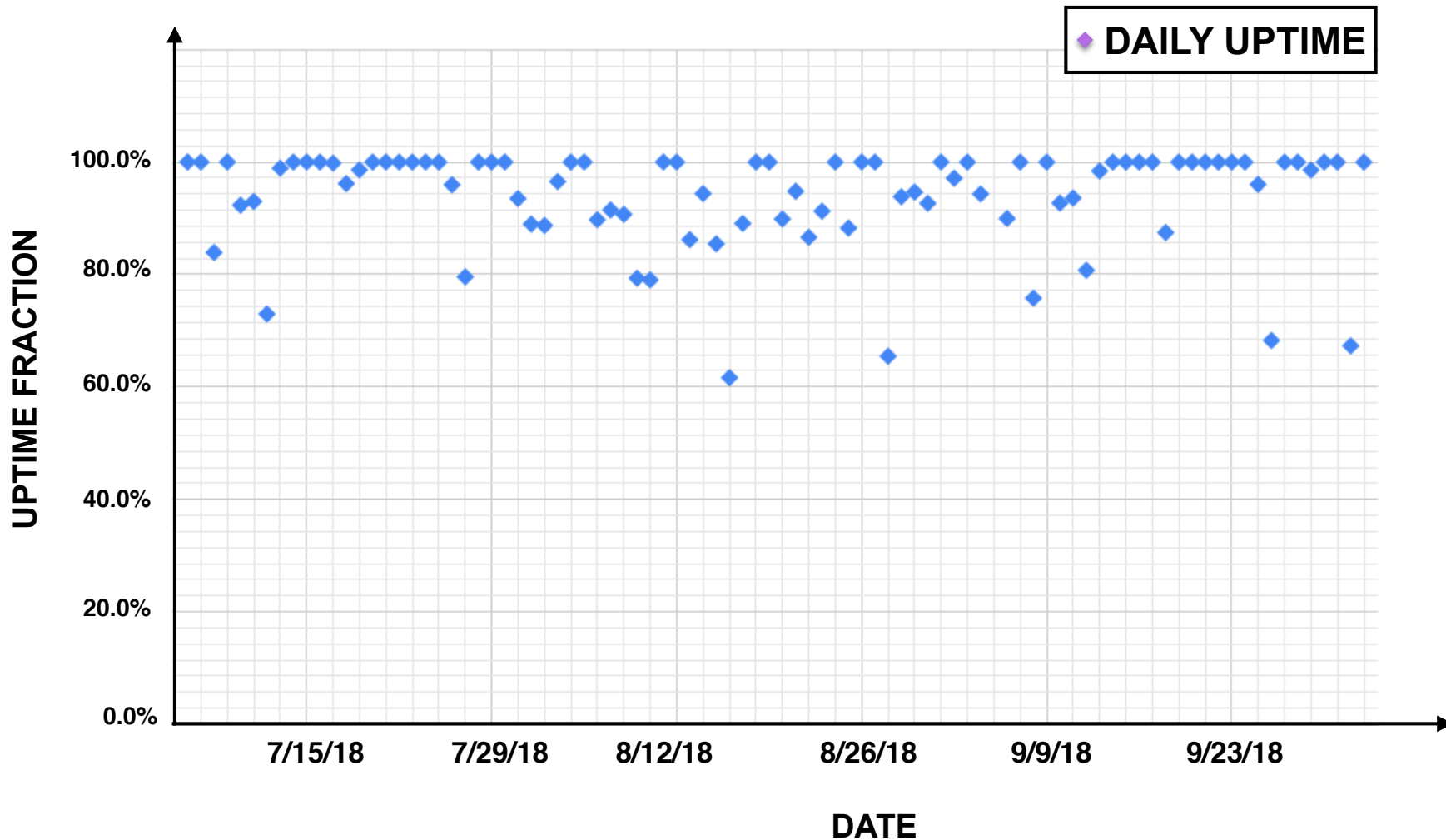
- Infrastructure maintenance work took place at Far Detector:
 - Chiller Water Pump #1 replaced on 09/11/18 to fix a leaking seal.
 - Linear heat trace board failure in the sprinkler system 06/19/18, 4 week long 24hr fire watch by Ash River crew while waiting for a new board to be made and programmed.

Detector's Operations Summary:

- Final FEB/APD maintenance work happened on FD last week (swapped 29 FEBs & 1 APD) to minimize the number of noisy channels, and on ND is scheduled for this tomorrow before beam returns.
- Testbeam program made major progress in this summer, currently approaching final stages of installation and beginning commissioning of various parts of the system, six month run scheduled early next year (2019)
- Though beam is off, we kept Detector's uptime >90% during the shutdown in case of any possibility of seeing Supernovae events, and to have a healthy detector when beam return

FD Summary:

- FD is running great, we have ~10748 active FEBs (~99.99%) out of 10749.
- 12-week average uptime since beam shutdown : 94.0%



ND Summary:

- ND is also running well, we have 627 active FEBs (~99.4%) out of 631
- 12-week average uptime: 88.4 %

