NOvA Experiment Status

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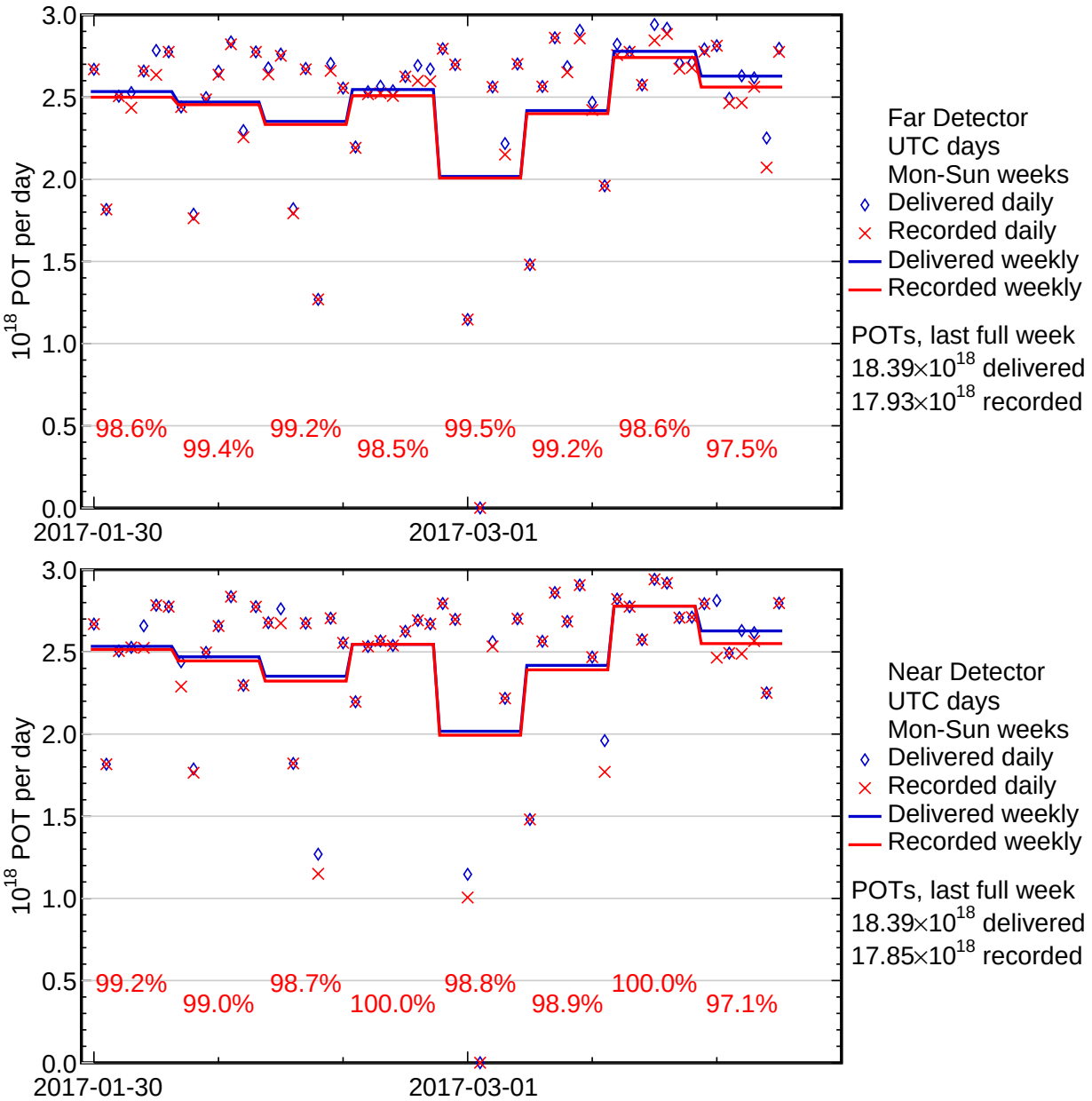
27 March 2017

DAQ Status and Uptime

- Both detectors running well
- Far: 98.8% POT-weighted uptime over last 8 weeks.
- Near: 99.0% POT-weighted uptime over last 8 weeks.



Summary of the week

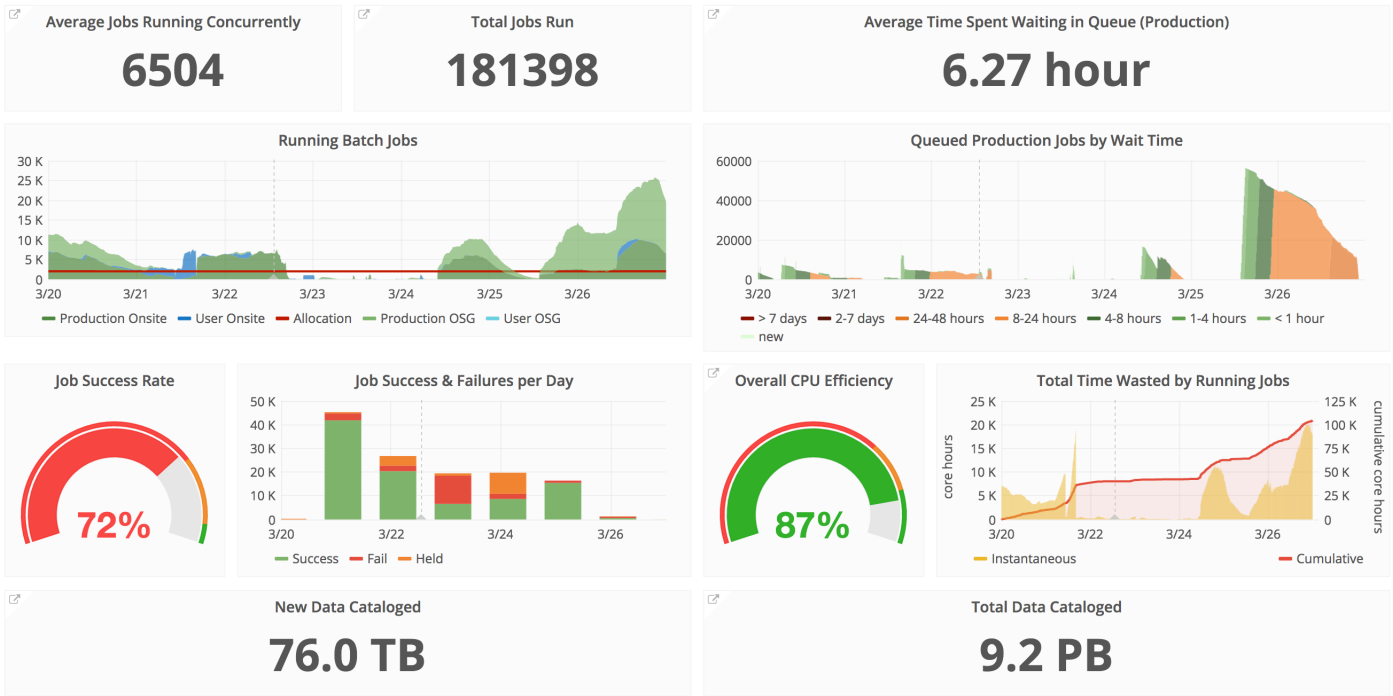
- Lost 1.5 h of beam data on Thursday: spill server died and automatic restart failed. Under investigation.
- Discovered that if a supernova trigger requests data $\gtrsim$3 minutes ago, far detector readout was incomplete. Increased readout speed on Wednesday.
  - Change is being monitored for stability by the routine 8:30am test trigger. One suspicious crash so far (today) in 5 tests.
- 3h downtime on Friday — shifter "paused" run when beam went down (not standard procedure) and recovery took some time.

Last Week

Landscape

NOvA Computing Summary

Fermilab



- Now running ND MC generation at very high scale.
  - Peak: 25,000 jobs – 60% on OSG
- Why so many failures?
  - We were asked to reprocess missing “raw2root” files from a particular trigger stream.
  - Many of the files turned out to be unprocessable, which is why they were missing.
  - Note that failures are *not* CPU-time weighed. Very little was wasted time on these jobs – compare against plot above.