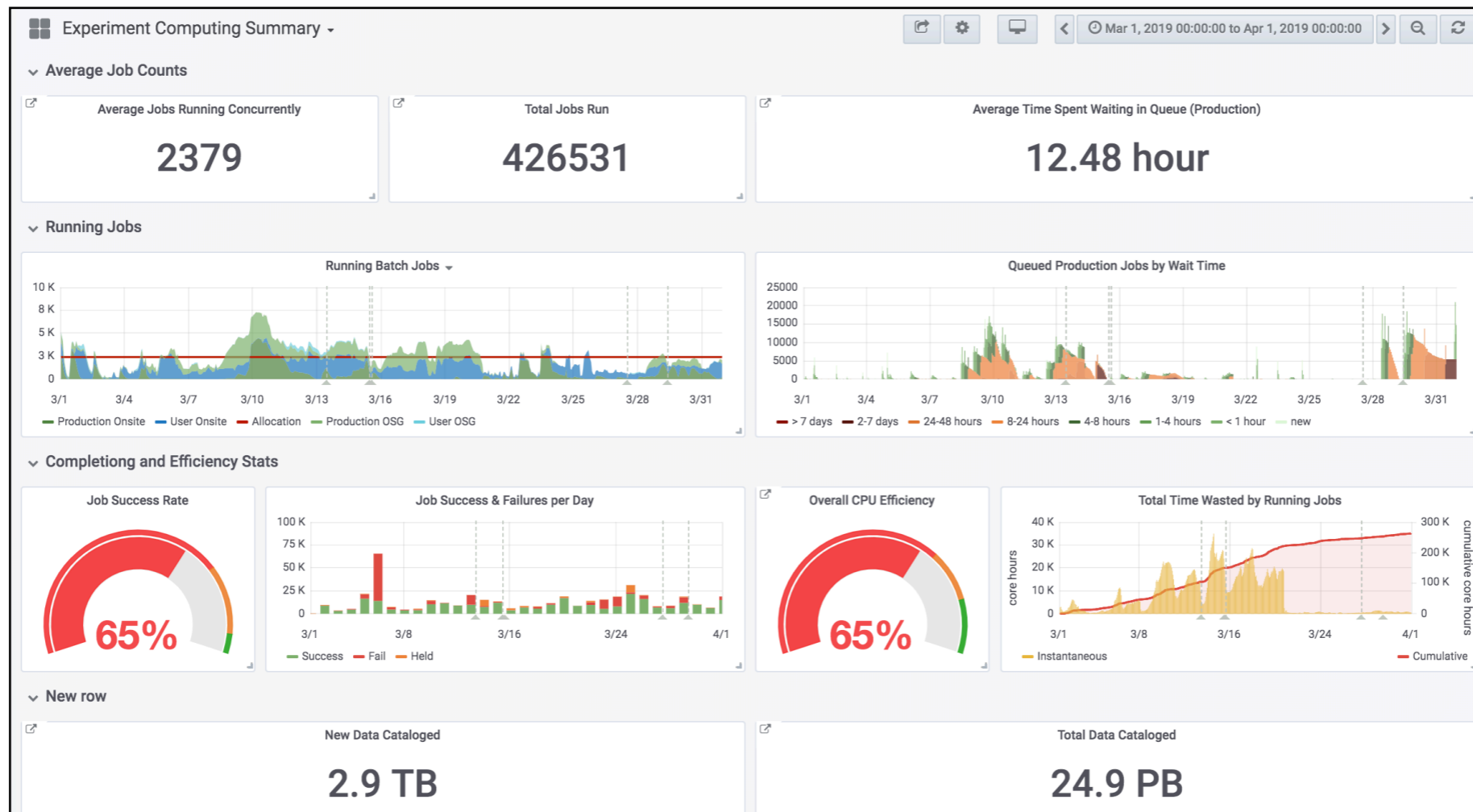




NOvA summary, March 2019

Jeremy Hewes
PMG meeting
4th April 2019

Computing summary



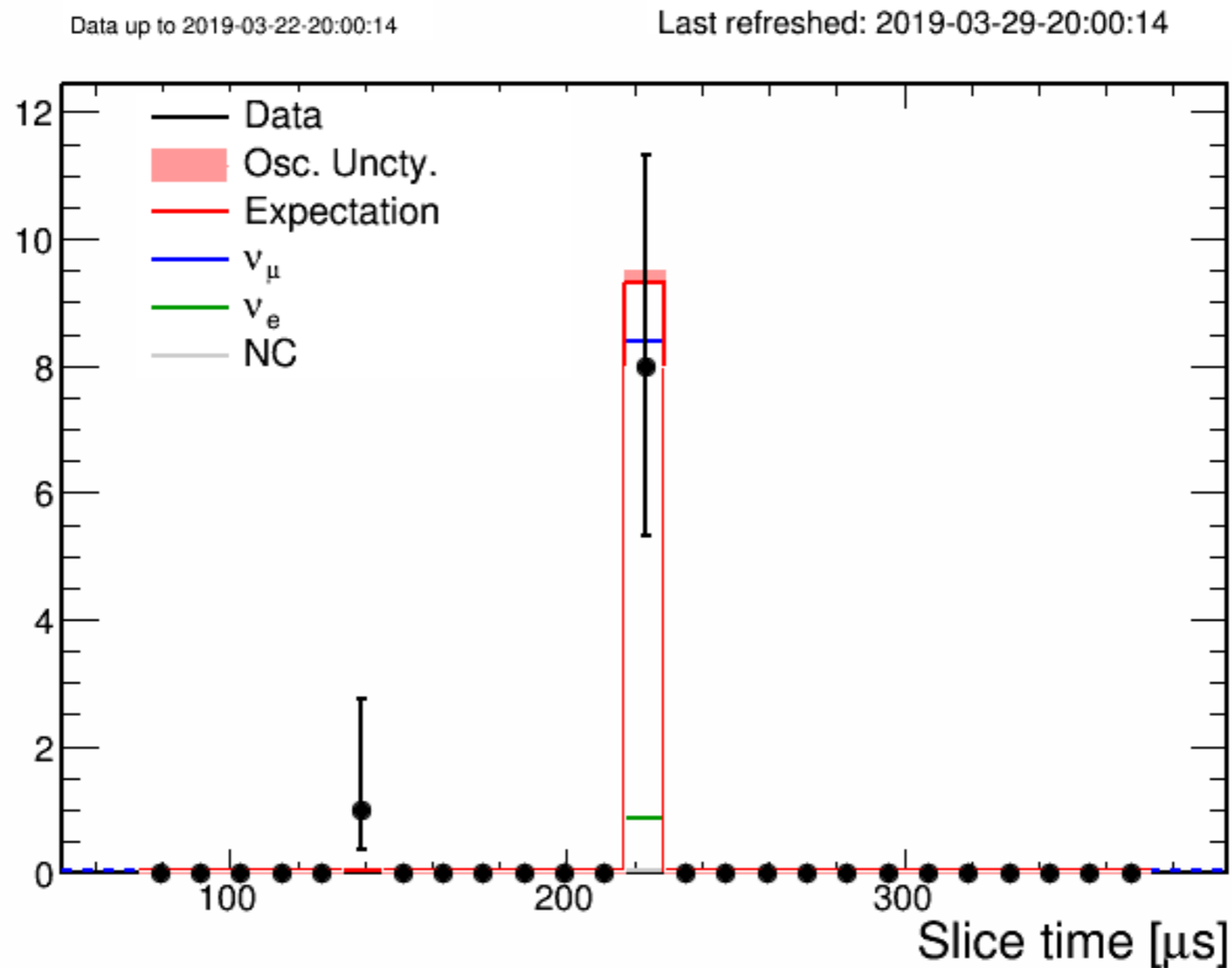
- 133k production jobs – 930k files with 230 TB produced.
 - 17k failed jobs (4% of total) primarily due to problems at the OSG sites Wisconsin and FZU.
 - FD data, ND data, ND cosmic MC, ND rock MC, ND MC files with added prong CVN information.
- Majority of remaining failed jobs were confined to a few users.

Operations summary

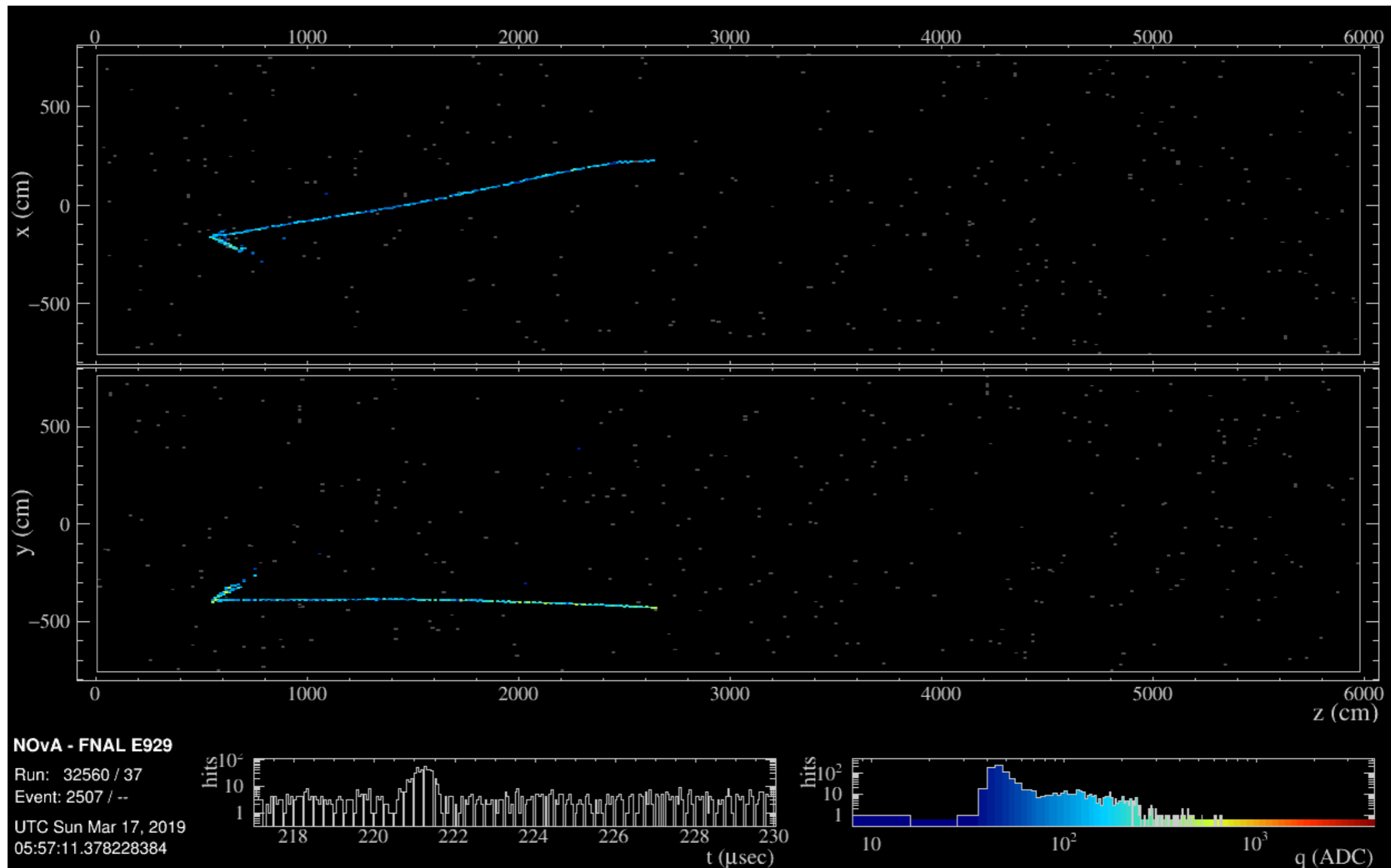
- General detector stability has been very high.
- Booster study day on March 20th.
 - Opportunity for minimal HW swaps in the FD.
- Low dry gas pressure alarm in ND.
 - Fuse replaced in Compressor #1 (no data lost as a consequence).
- Ash River DAQ cluster HVAC pump was found to be in distress.
 - Pump swap at Ash River required powering down of DAQ cluster and subsequent recovery.
 - This 3½ hour downtime was the only lost NuMI beam data at the NOvA far detector in March.
- NOvA's DAQ kerberos principals reached their ten-year lifetime.
 - Principals renewed before tickets expired, so no interruptions to data-taking.
 - Thanks to our DAQ manager and FNAL computing experts for their speedy response!

Timing peak

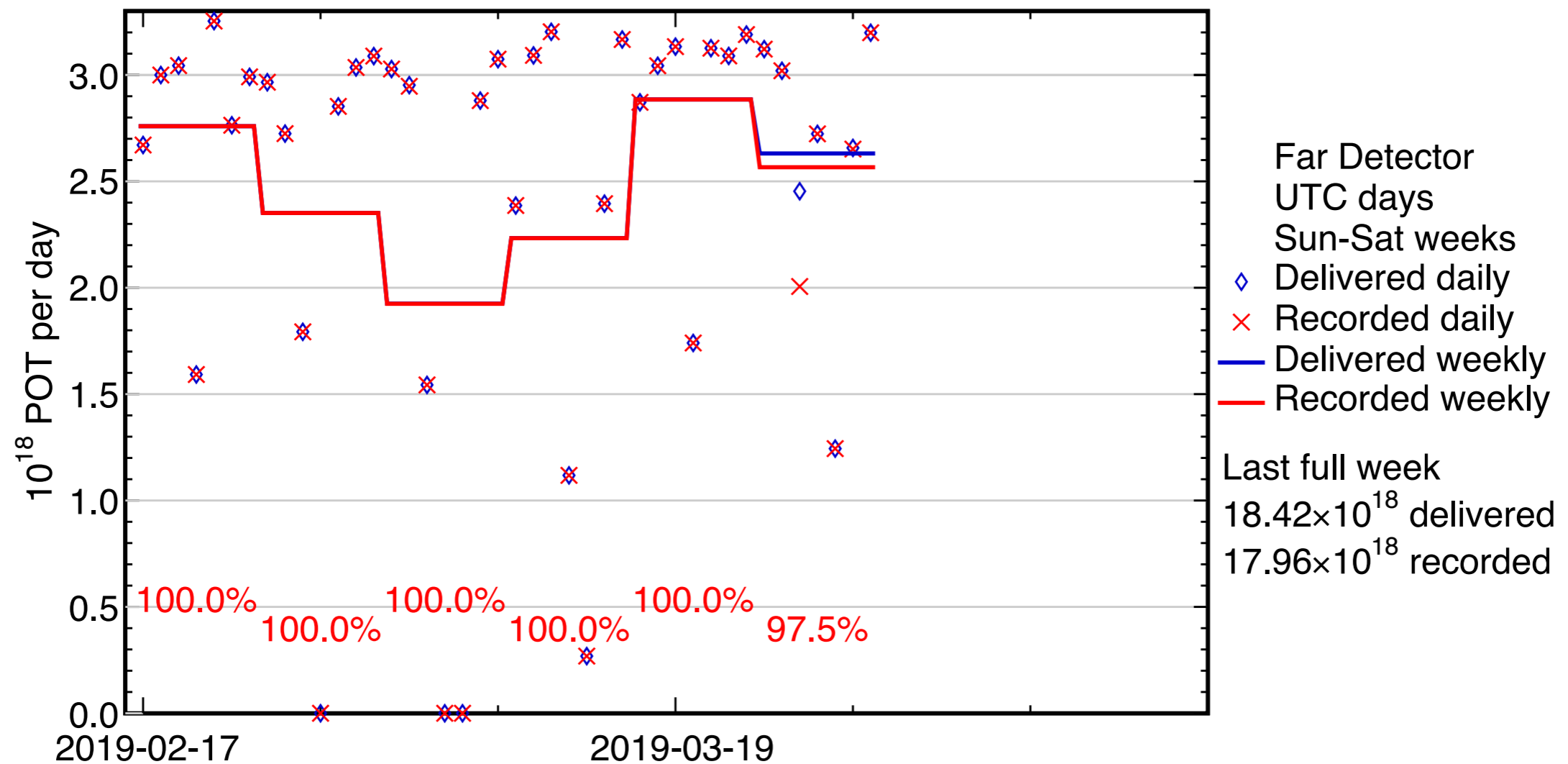
- NuMI switched from RHC to FHC on February 26th.



Event candidate



Far detector uptime



- **FY19 POT: $4.05e20$ recorded, $4.08e20$ delivered**
- **Total FHC POT collected: $12.24e20$ ($9.61e20$ 14kT-equivalent)**
- **Total RHC POT collected: $12.69e20$**

Near detector uptime

