



# NOvA experiment report

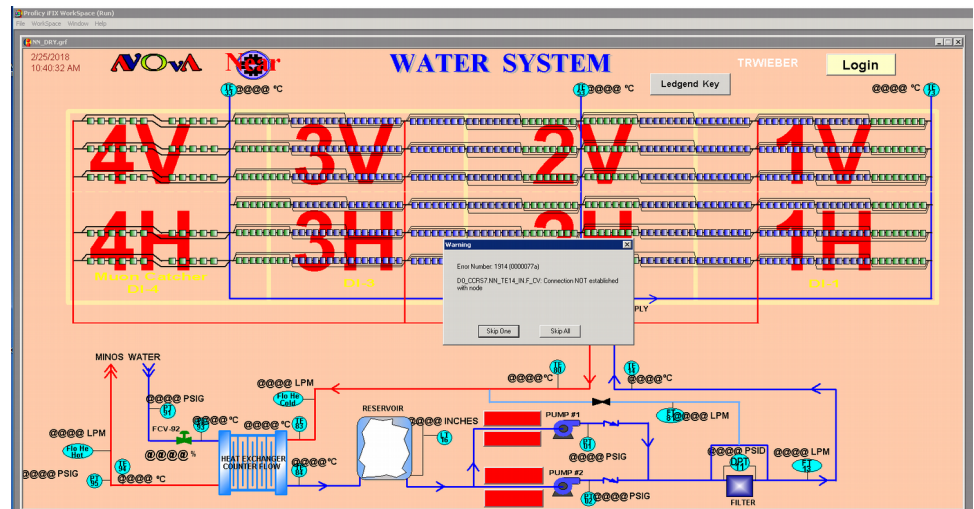
**Ashley Back**

Iowa State University

26 February 2018

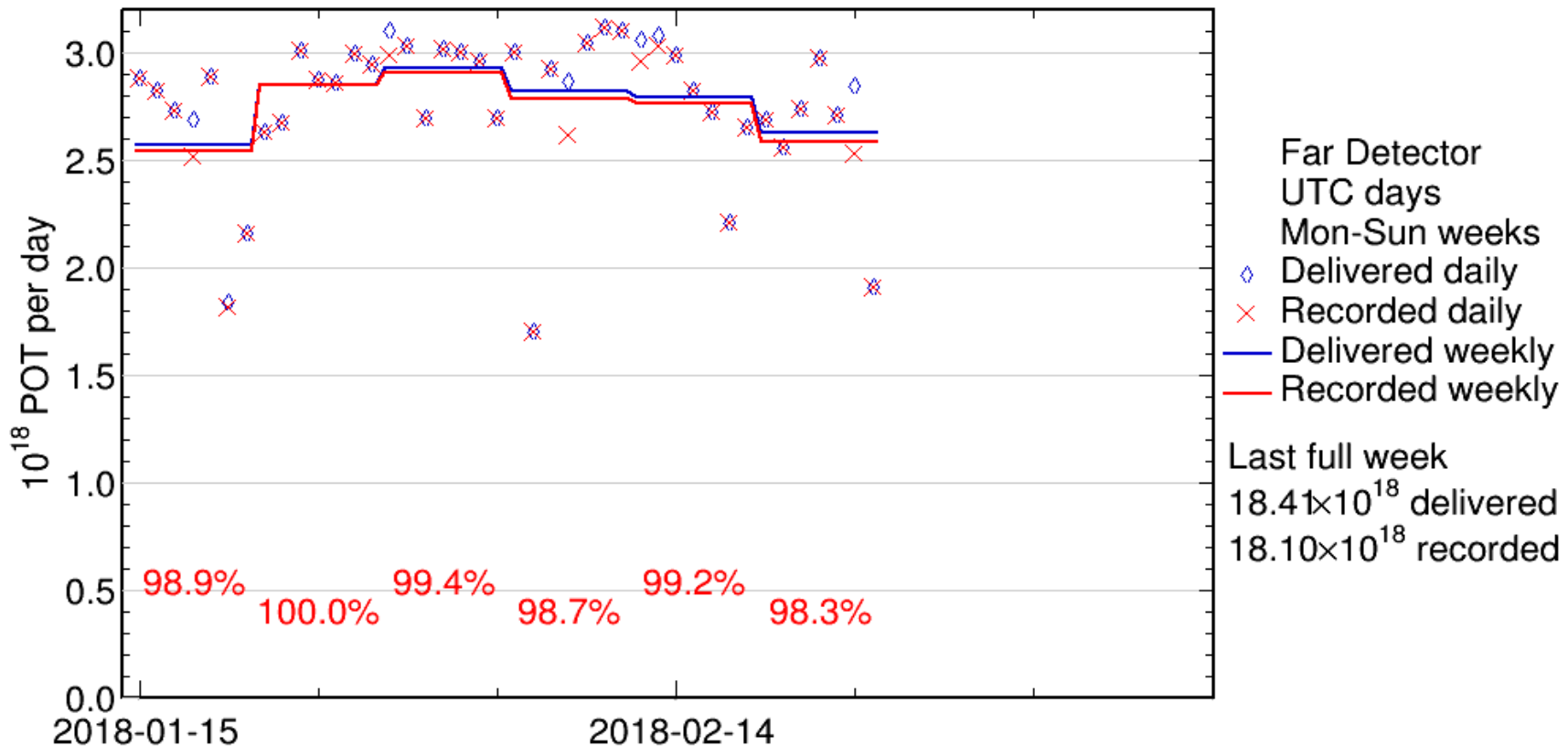
# Summary

- Smooth running except for power glitch yesterday
- Lost communication between IFIX and NearDet environmental systems  
→ so were unable to monitor water and dry gas
- Restored by rebooting the PLC (containing the IFIX Ethernet connection) → required underground access
- Total NearDet downtime ~9 h 10 mins for full recovery:
  - Never before seen detector state
  - NOvA Collaboration meeting in Austin TX over the weekend
    - Key personnel remained at Fermilab
    - Some experts travelling during recovery
  - Minimal loss of POT



# FD summary

4-week mean POT-weighted uptime: 98.9 %

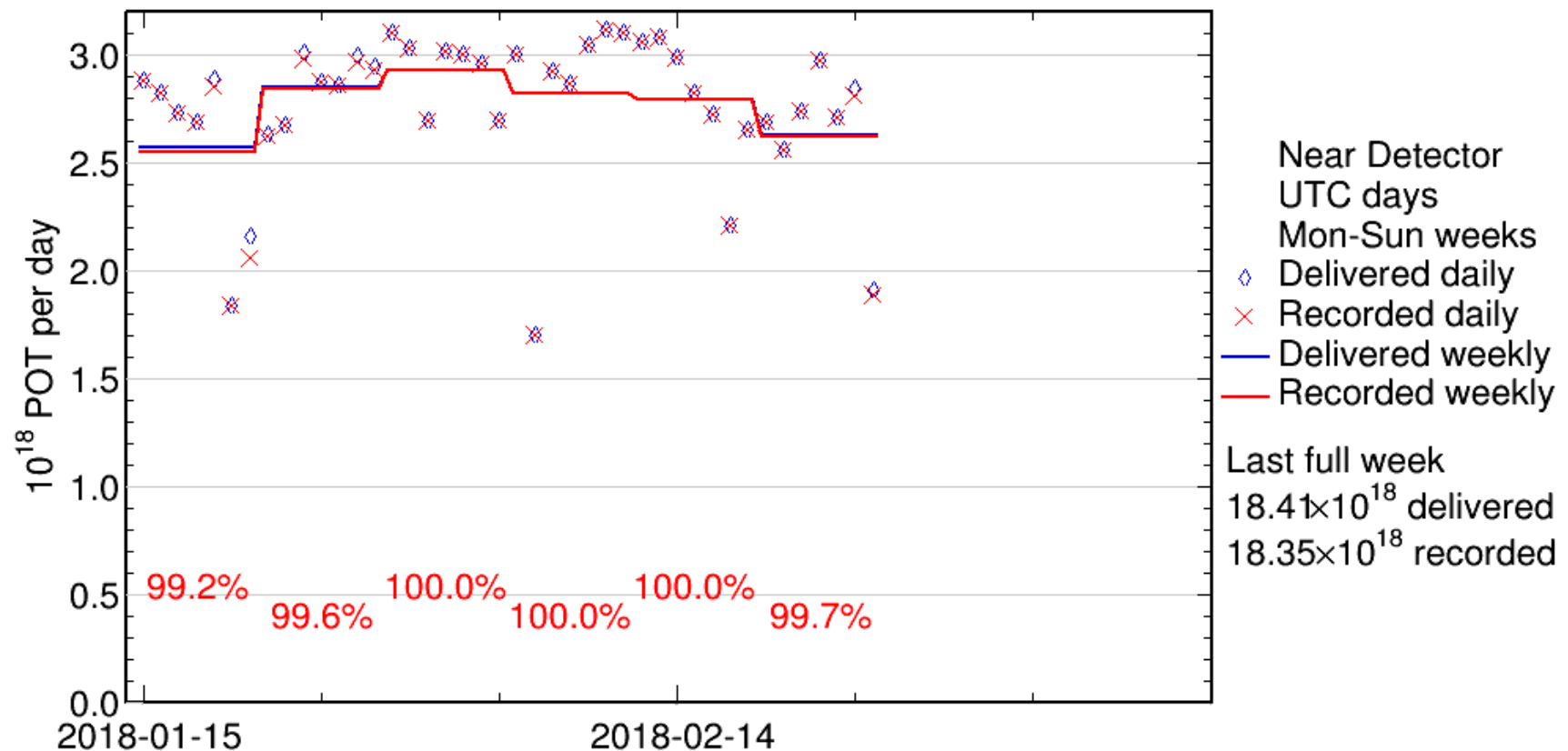


- FY18 POT: 22.8 E19 delivered | 23.2 E19 recorded
- Total neutrino mode POT delivered: 124.06 E19
- Total anti-neutrino mode POT delivered: 61.90 E19

- Passed 6.0 E20 POT recorded on Friday!

# ND summary

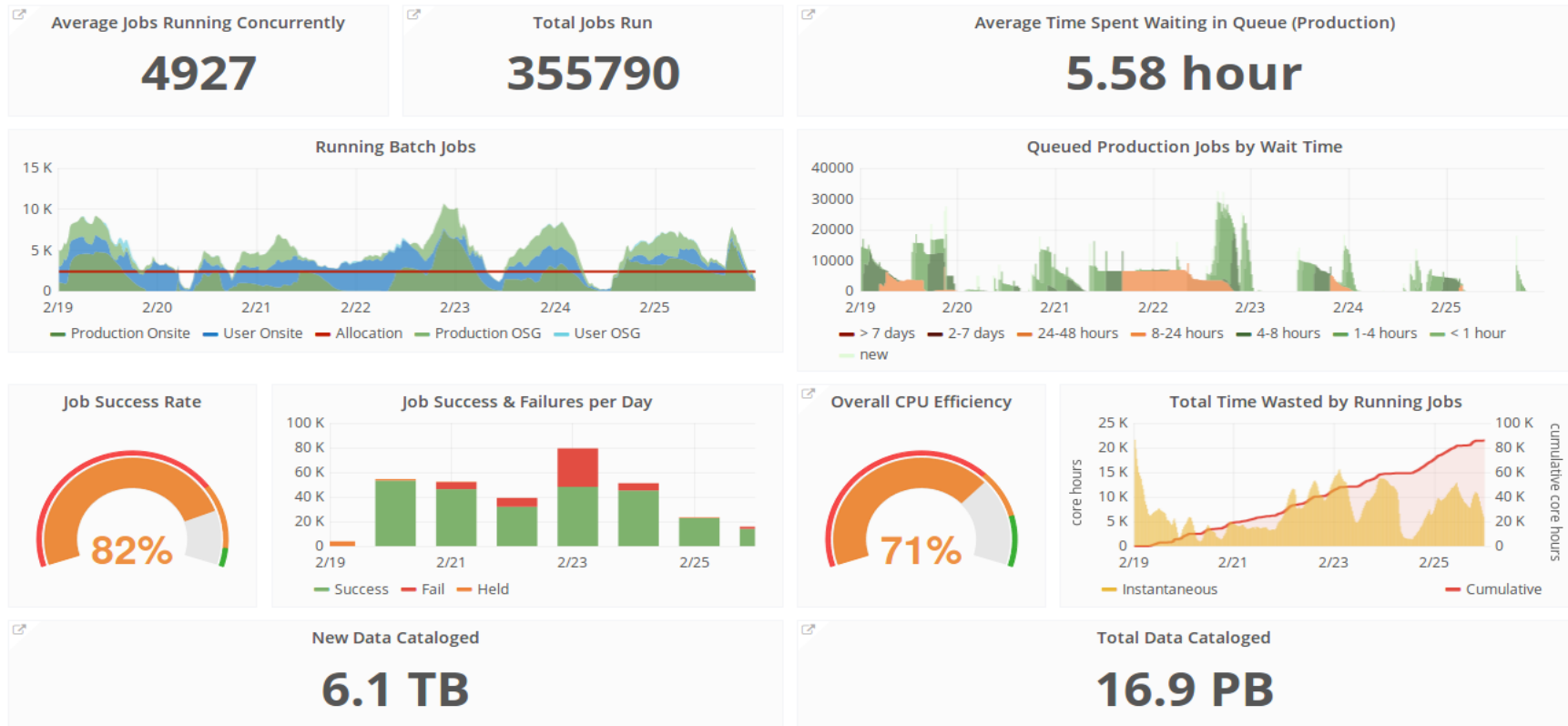
4-week mean POT-weighted uptime: 99.9 %



# Computing summary



NOvA Computing Summary



- Winter campaign continues; continue to experience good throughput on FermiGrid and OSG
- Job "failures" on 2/23 were expected and not really failures (one-off special workflow)