

# NOvA Operations (Oct.)

## Proton PMG / All Experimenters' Meeting



# Operations Highlights

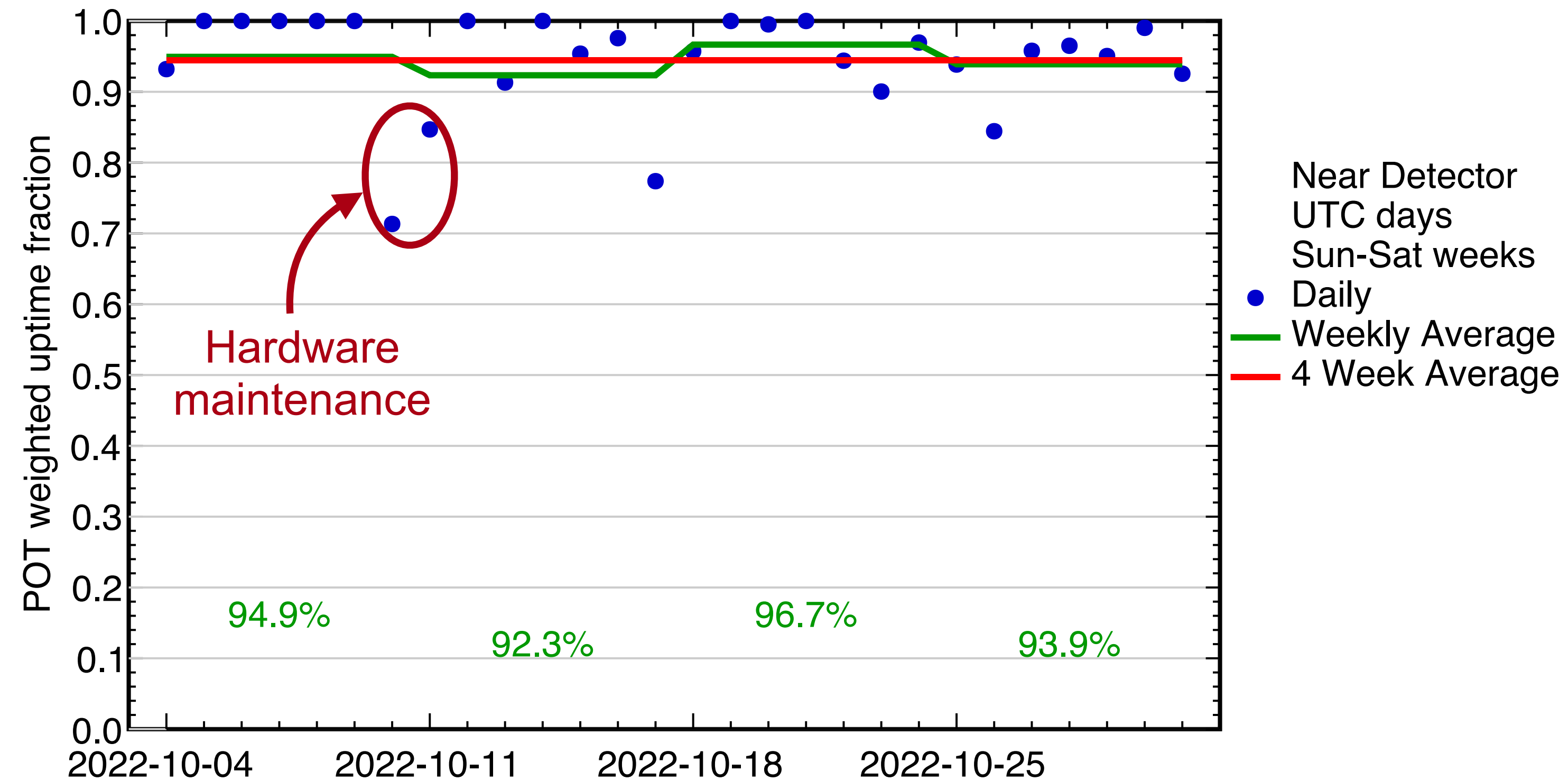
- Took the shutdown extension to address a few remaining hardware issues
- Ash River temperature issues are becoming less problematic
  - Cooling outdoor temps
  - Much needed cleaning dislodged quite a bit of gunk
- Former run coordinators have stepped in to help out
  - Wenjie Wu, Mu Wei, Anne Norrick, Matt Judah
- Google Voice
  - Checklist shifts mean shifters are not required to be at a ROC
  - Provides a central phone number so shifters don't have to share personal numbers

# Google Voice

- Security flaws were discovered with the google voice account
  - Shared drive documents are not removable
  - Recent and missed calls will expose personal numbers
  - Find your phone “feature”
- We’ve disabled the google voice account and are assessing alternatives
- For the time being the MCR will call the RCs and we’ll pass the info on to shifters

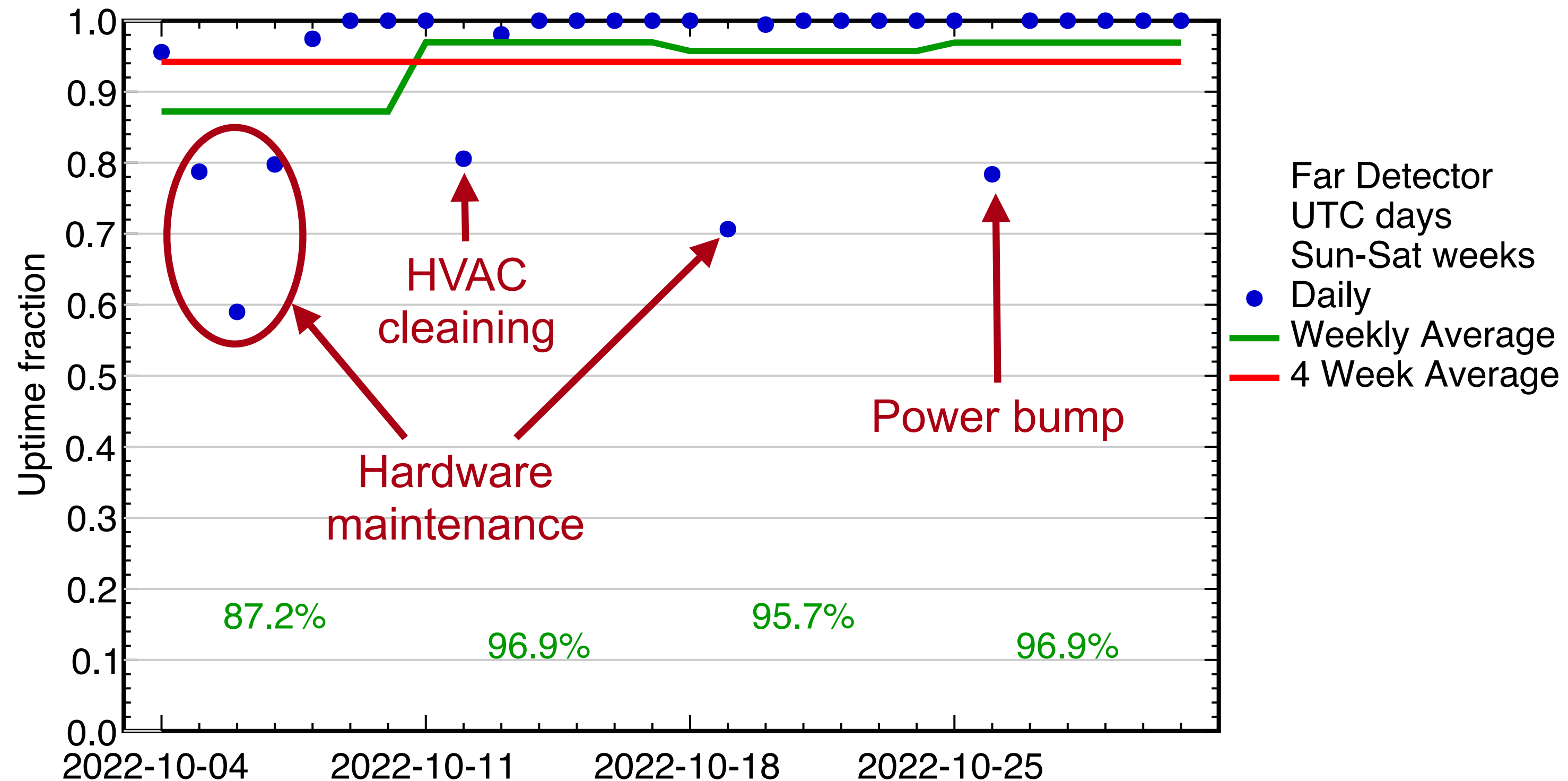
# Near Detector Summary

- 10/10 - 10/11: Hardware maintenance (7.5 hrs total)
- Run of instabilities due to one component crashing
  - Continuing to debug, but it seems like a power supply issue



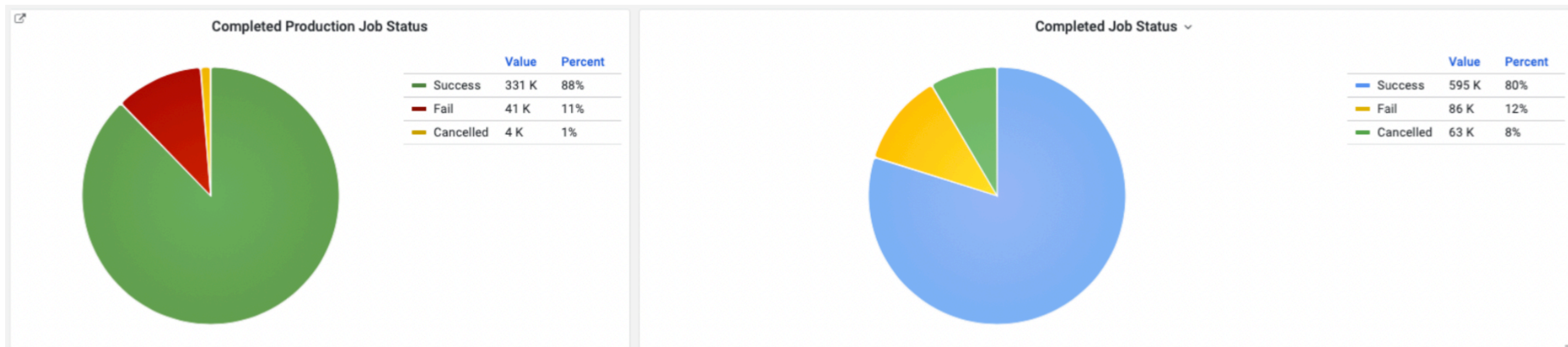
# Far Detector Summary

- 09/05: Unplanned power bump (2 hrs)
- 10/05 - 10/07, 10/19: Hardware maintenance (29.5 hrs total)
- 10/12: HVAC cleaning (6 hrs)
- 10/26: Power bump (5 hrs)



# Production

- 743 k NOvA jobs (330 k from production)
- Pre-staging speed has increased significantly (faster than we can process)
  - Surplus files are being pinned to persistent in case pre-staging slows down again
- Also pre-staging files to be sent to the Wilson Cluster for our reconstruction group
- Generating files for our Test Beam group to make use of all collected data



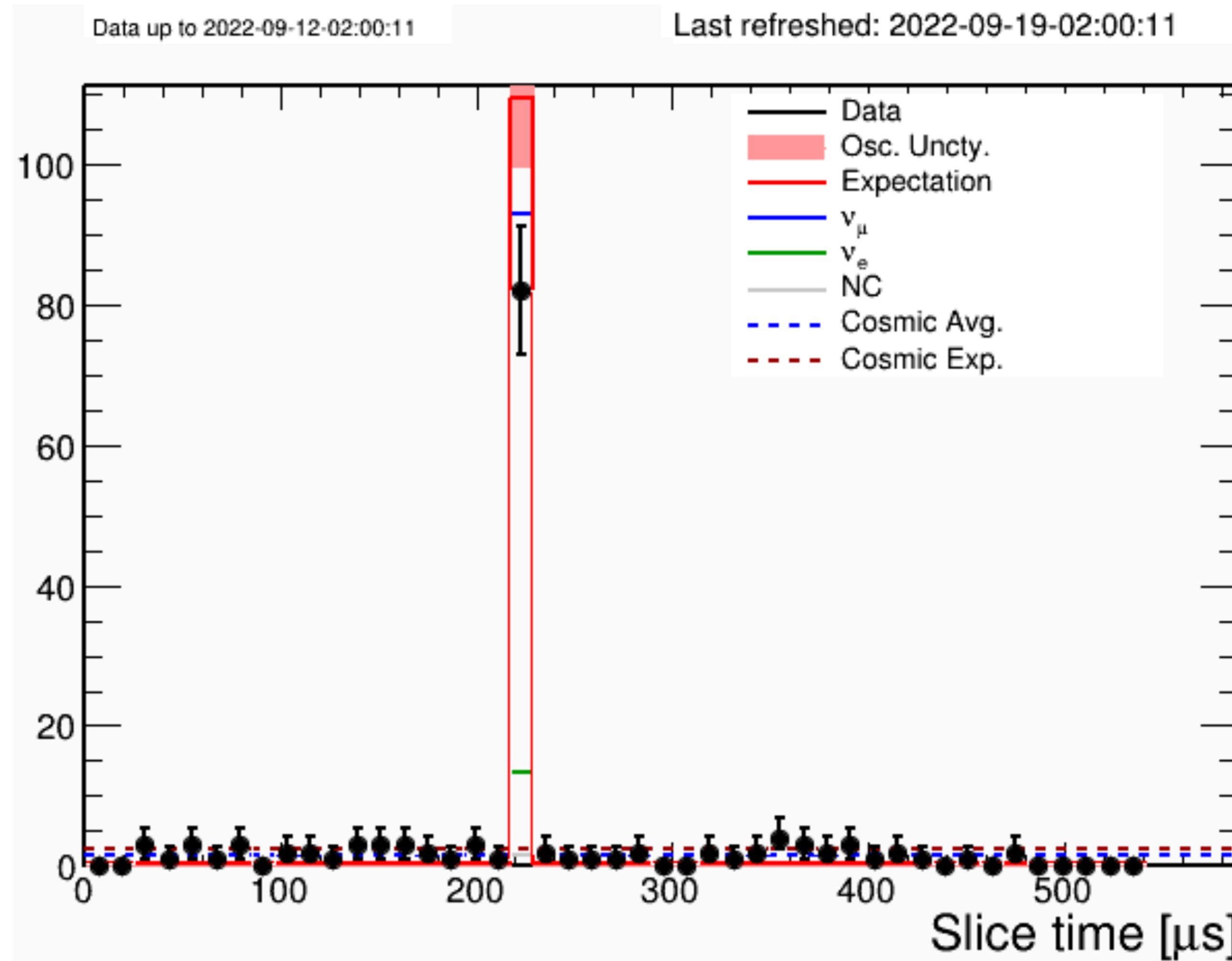
# Back-ups

# POT Recorded (unchanged)

- ND:
  - Total =  $36.26 \times 10^{20}$ 
    - FHC =  $23.47 \times 10^{20}$
    - RHC =  $12.76 \times 10^{20}$
  - FY22:  $5.63 \times 10^{20}$  recorded,  $5.81 \times 10^{20}$  delivered
- FD:
  - Total =  $38.70 \times 10^{20}$  ( $35.91 \times 10^{20}$  14kT equiv.)
    - FHC =  $26.01 \times 10^{20}$  ( $23.22 \times 10^{20}$  14kT equiv.)
    - RHC =  $12.69 \times 10^{20}$
  - FY22:  $5.78 \times 10^{20}$  recorded,  $5.81 \times 10^{20}$  delivered



# Timing Peak (unchanged)



# Latest Neutrino Candidate (unchanged)

