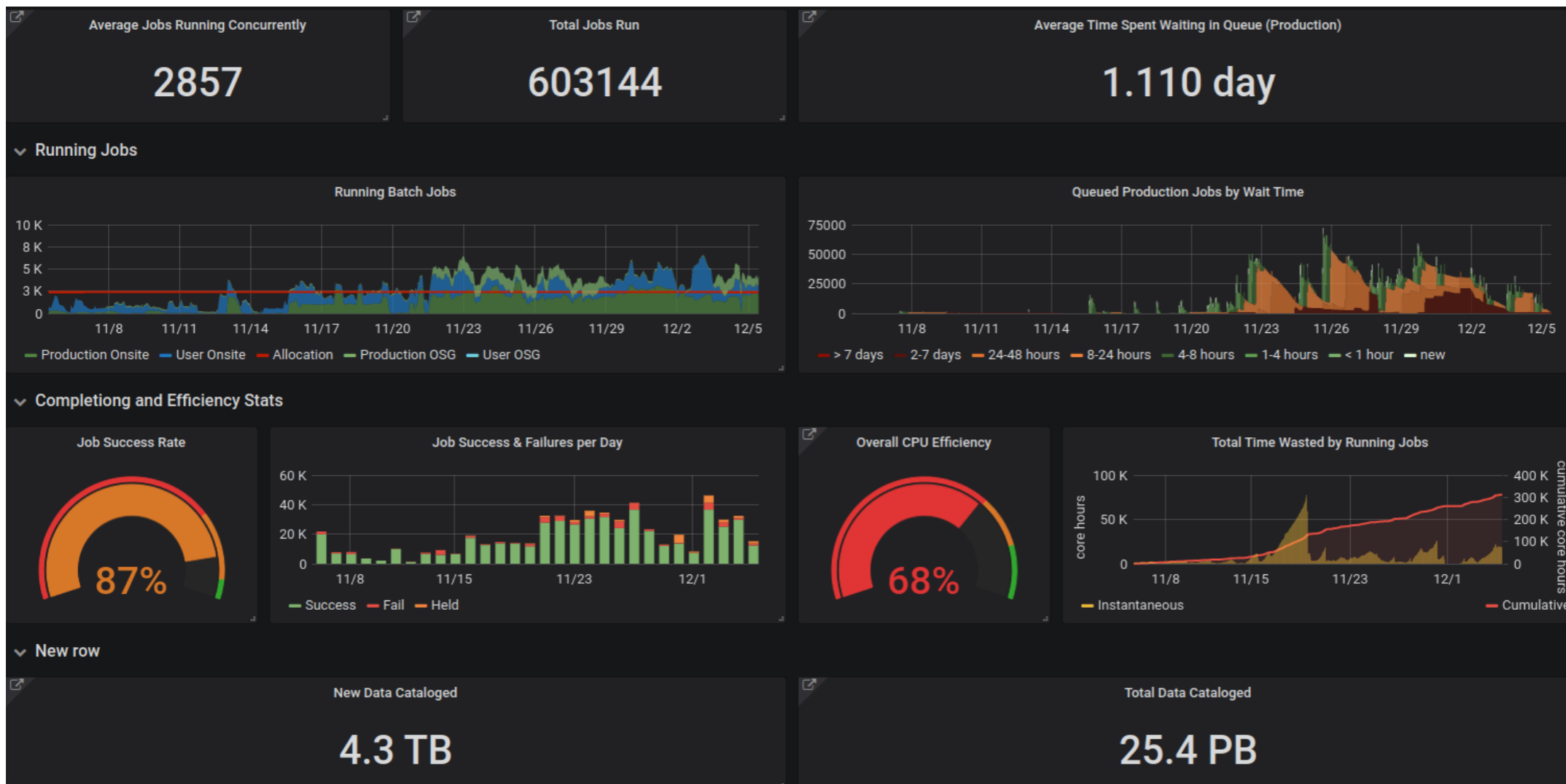


# **NOvA Operations Update**

**Leo Aliaga, Anne Norrick and Matt Judah**

Proton PMG Meeting  
December 5, 2019

# Computing Update (November 2019)



- We completed **miniproduction 5** and started full steam on **production 5**.
- 603k jobs (including 348k production jobs) were run.
- There were no major incidents this past month.

# Operations Summary

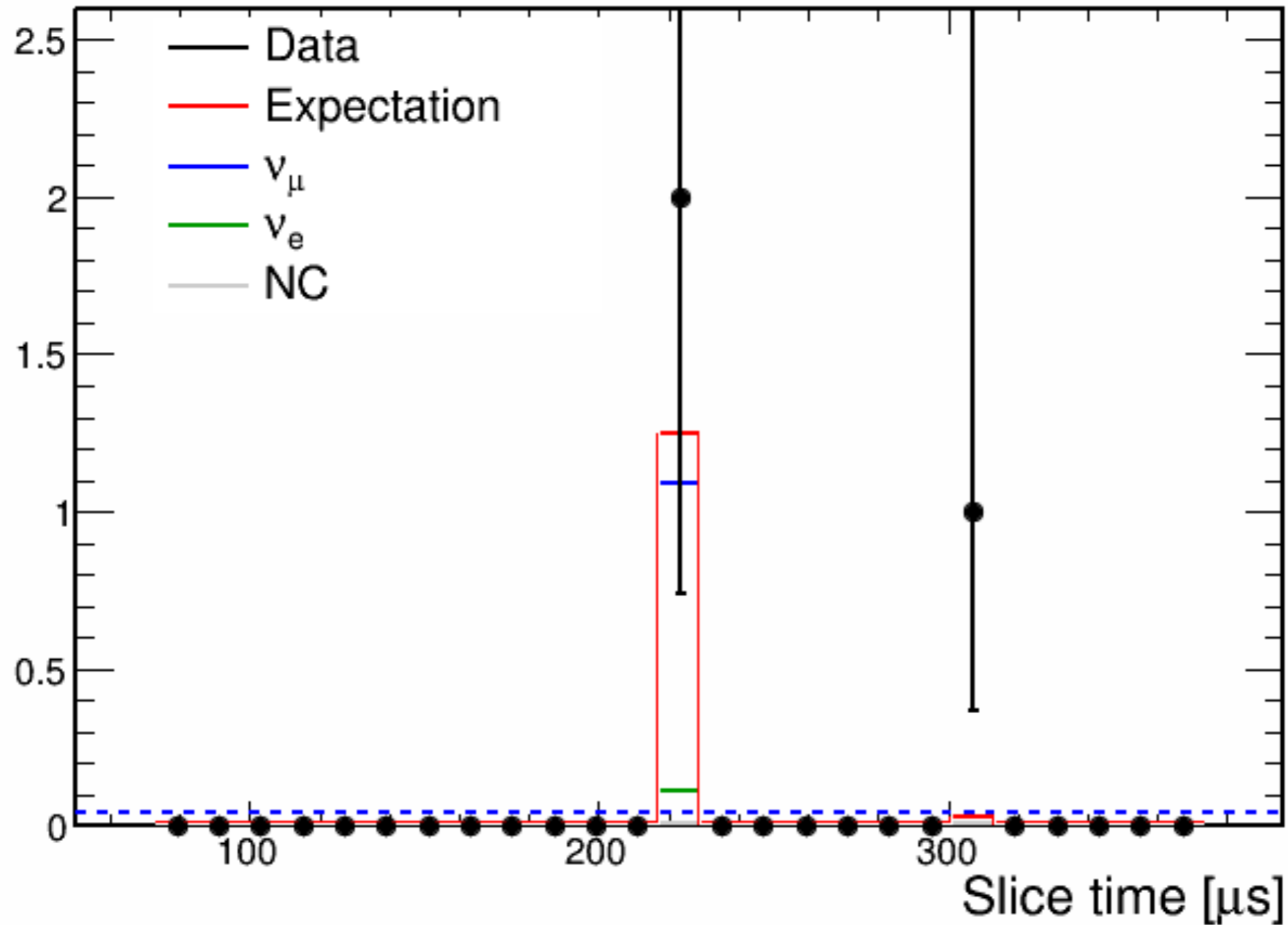
*ND has been stable the last two weeks and also FD with the exception on Nov 21.*

- **A hardware maintenance was done on Nov 4** at the FD.
- **The MINOS chiller tripped on Nov 14** warming up the ND, MRC duty mechanic looked at the problem. Needed to end and recover the detector.
- **Lost power to a handful of FD machines on Nov 21** coincidentally with a storm at Ash River. The Ash River on-call went to check the problem. The recovery took ~12h but we advised MCR to turn the beam off while we worked to bring the FD back.

# Timing Peak

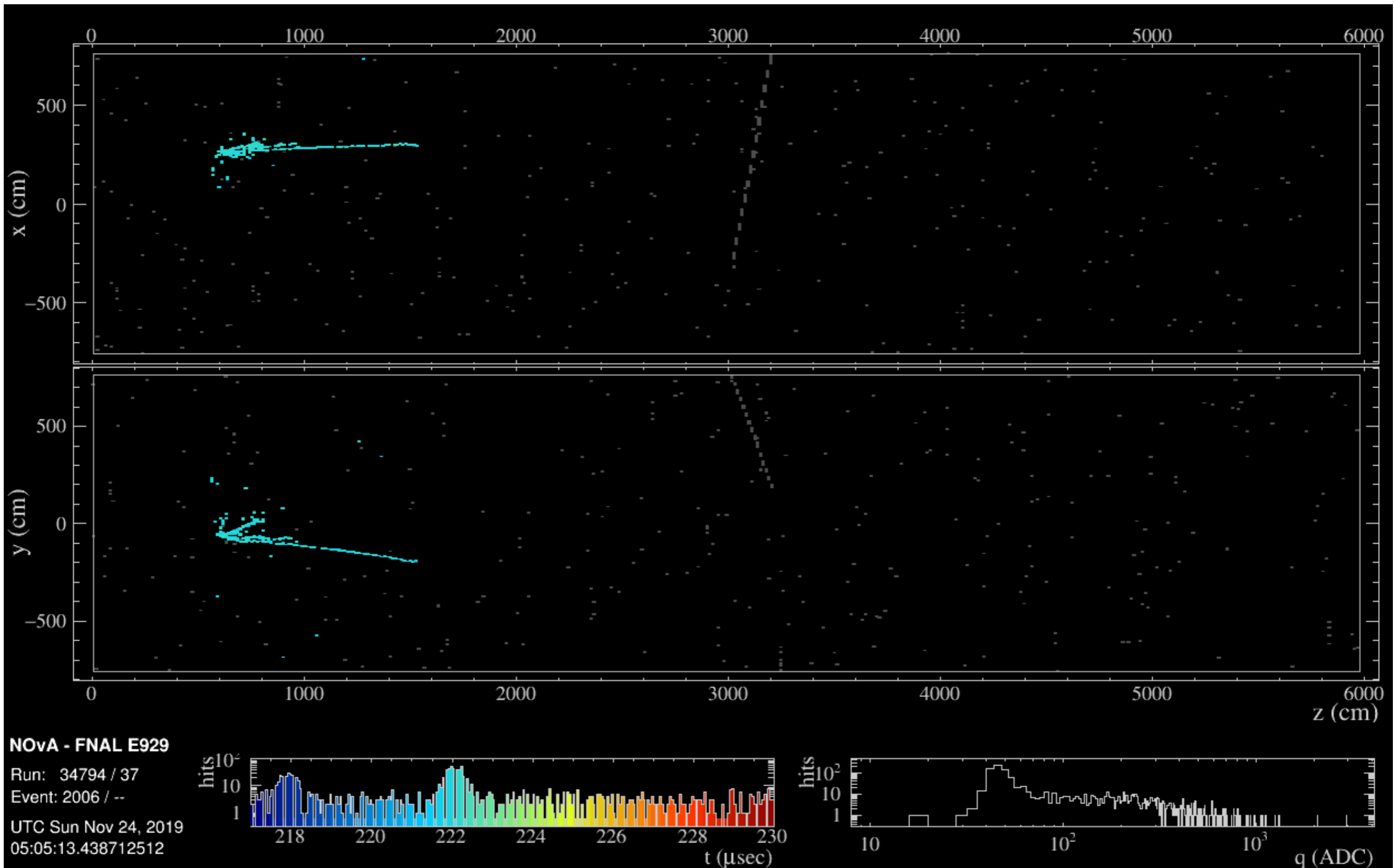
Data up to 2019-11-26-12:00:27

Last refreshed: 2019-12-03-12:00:27



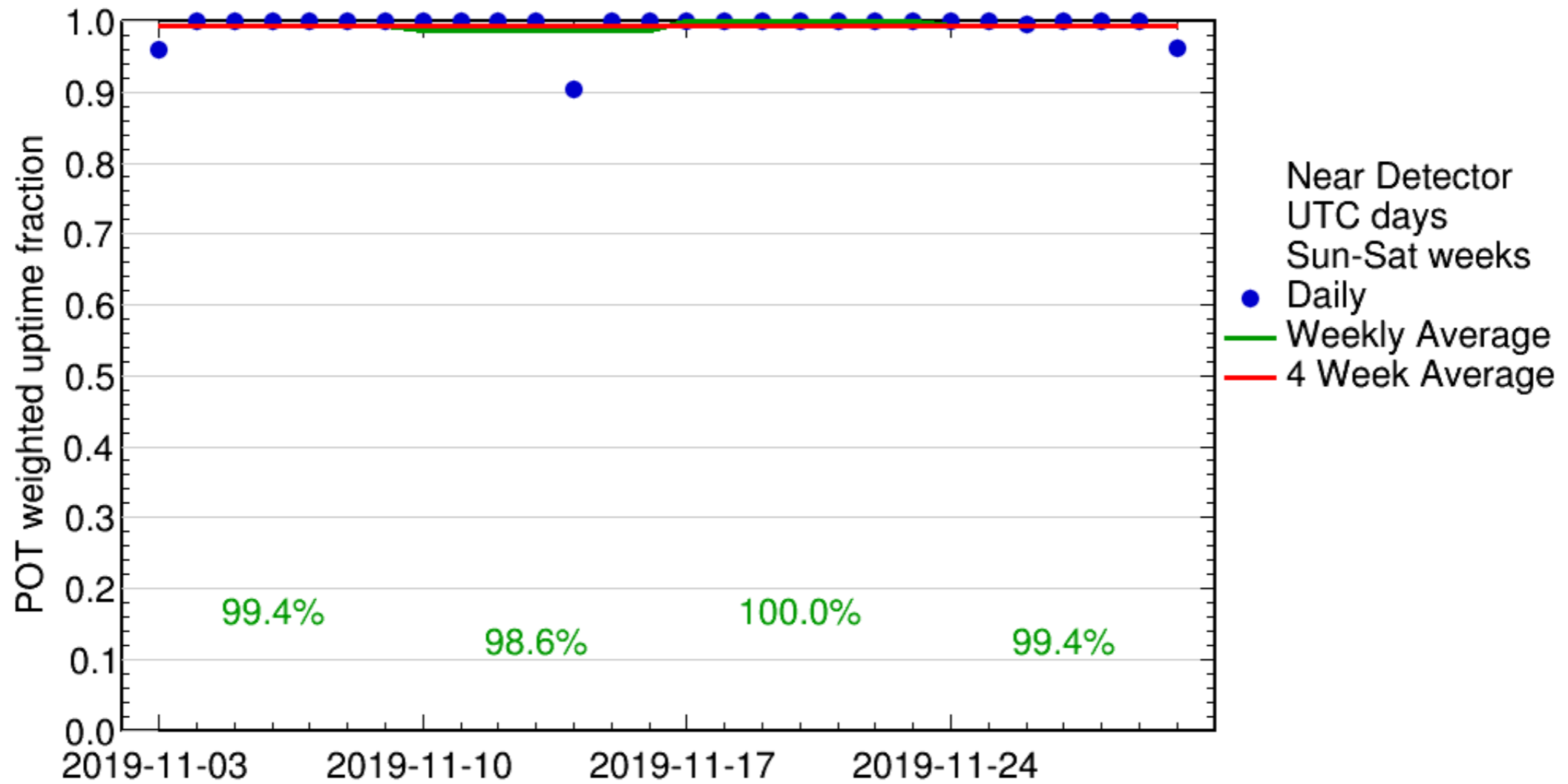
**Period 10: Started on October 29, 2019 (after the summer shutdown.)**

# Neutrino Candidate



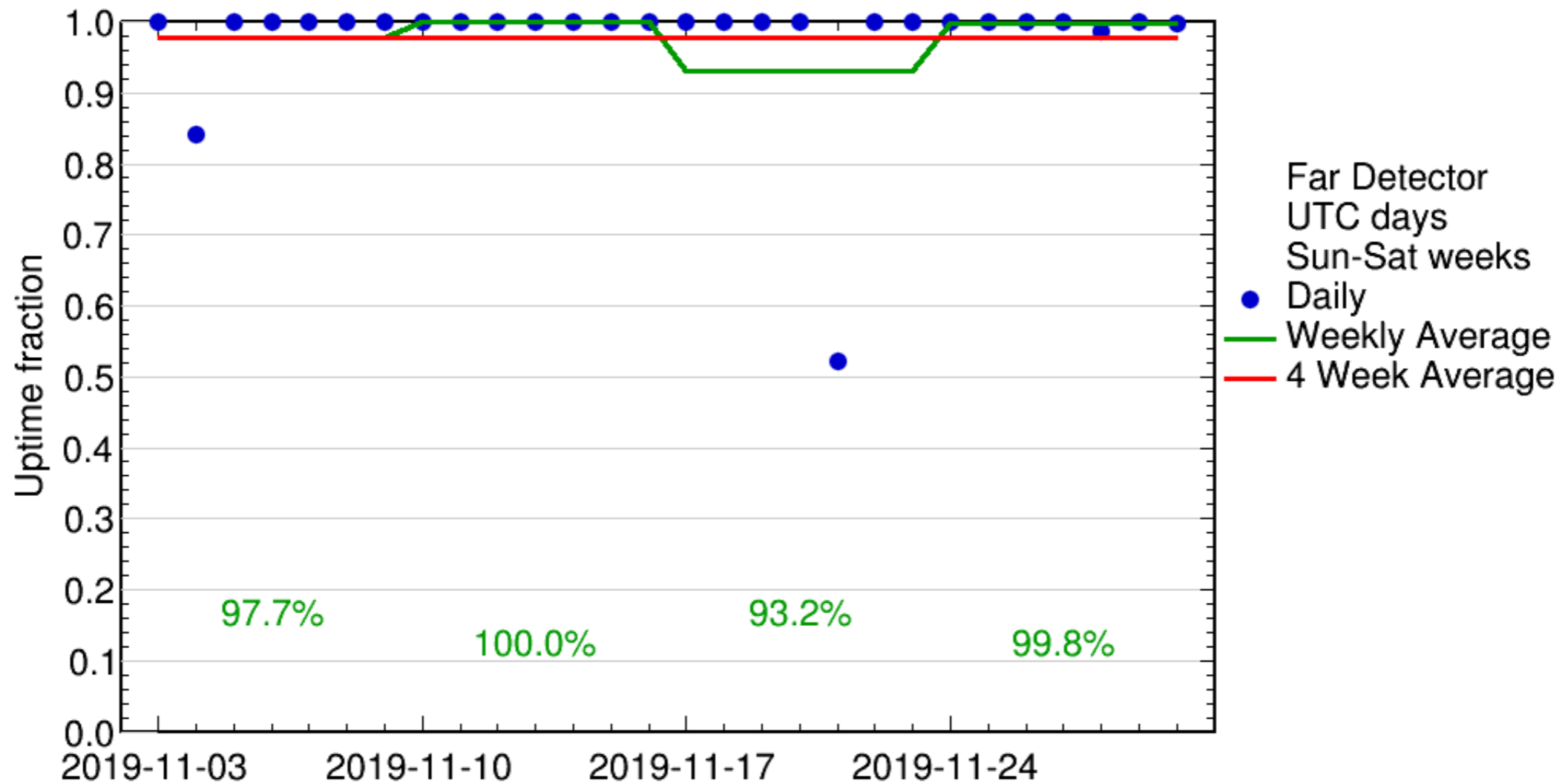
# Near Detector Livetime (November 2019)

Sunday 11/03/2019 -> Saturday 11/30/2019



# Far Detector Livetime (November 2019)

Sunday 11/03/2019 -> Saturday 11/30/2019



**FY20 POT:** 0.16E20 recorded, 0.16E20 delivered

**Total FHC POT collected:** 13.85E20 (11.21E20 14kT-equivalent)

**Total RHC POT collected:** 12.69E20



# Test Beam



- Finished filling the detector with scintillator on Nov 25 followed by the instrumentation.
- Preparations for the return of beam this week and ready to collect as much data as we can between now and next summer.