



NOvA Operations report for May 2024

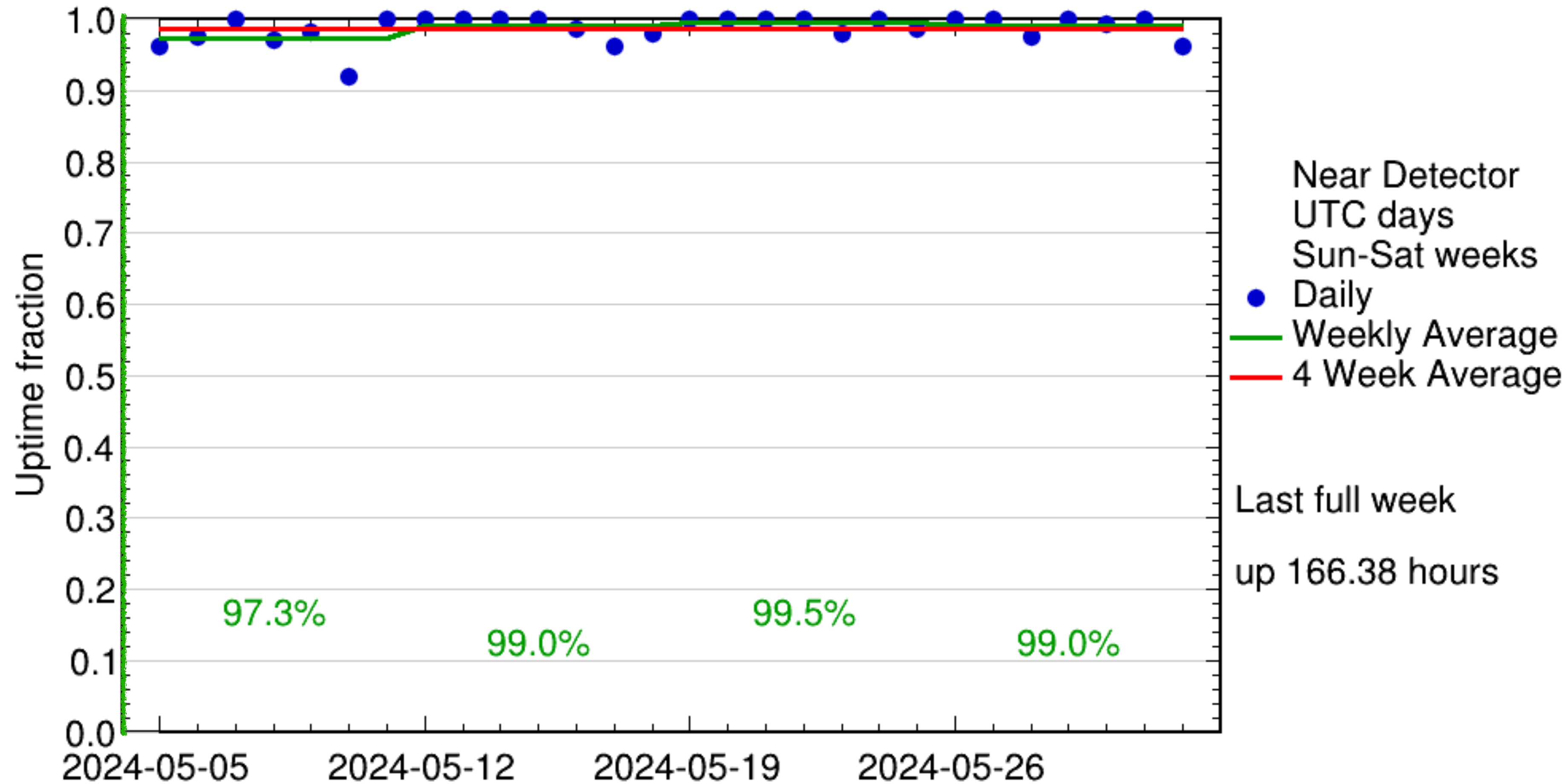
**Maria Martinez-Casales
with Josh Barrow**

**Proton PMG/ All Experimenter's Meeting
June 6, 2024**

Operations Highlights

- Thank you to all shifters and experts for their hard work in keeping our detectors running.
- Josh Barrow is RunCo through June 14th
 - Yagmur Torun (Ops manager) will cover the week of June 14-24
- NuMI trigger updated from 0.6 to 0.9-1Hz
- Ceph migration very successful, fixing lingering issues as they have come up over last month
- Want to restart ND refurbishment work: vacuum testing APDs, making new ones
 - APDs still in LArTF—will be looking into getting things back up and running soon, ~1 month
- Uptime very high for detectors, very few crashes
 - ND crashed ~7 times
 - FD operating well aside from event builder crash, power bump

Near Detector summary



Total POT recorded

41.26×10²⁰

FHC: 26.80×10²⁰

RHC:14.46×10²⁰

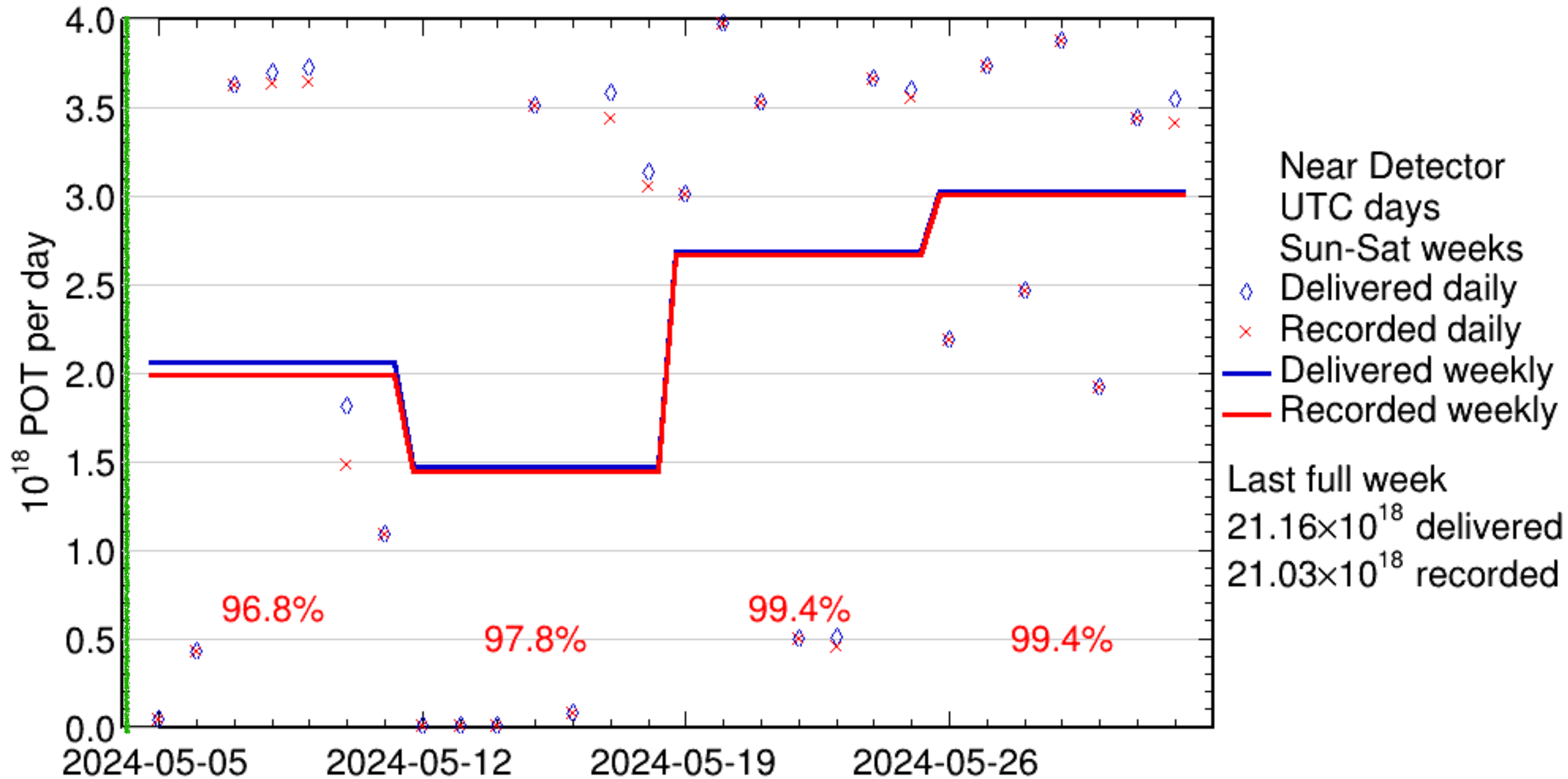
FY24 POT recorded

Delivered: 1.725×10²⁰

Recorded: 1.695×10²⁰

98.26%

Near Detector summary



Total POT recorded

41.26×10^{20}

FHC: 26.80×10^{20}

RHC: 14.46×10^{20}

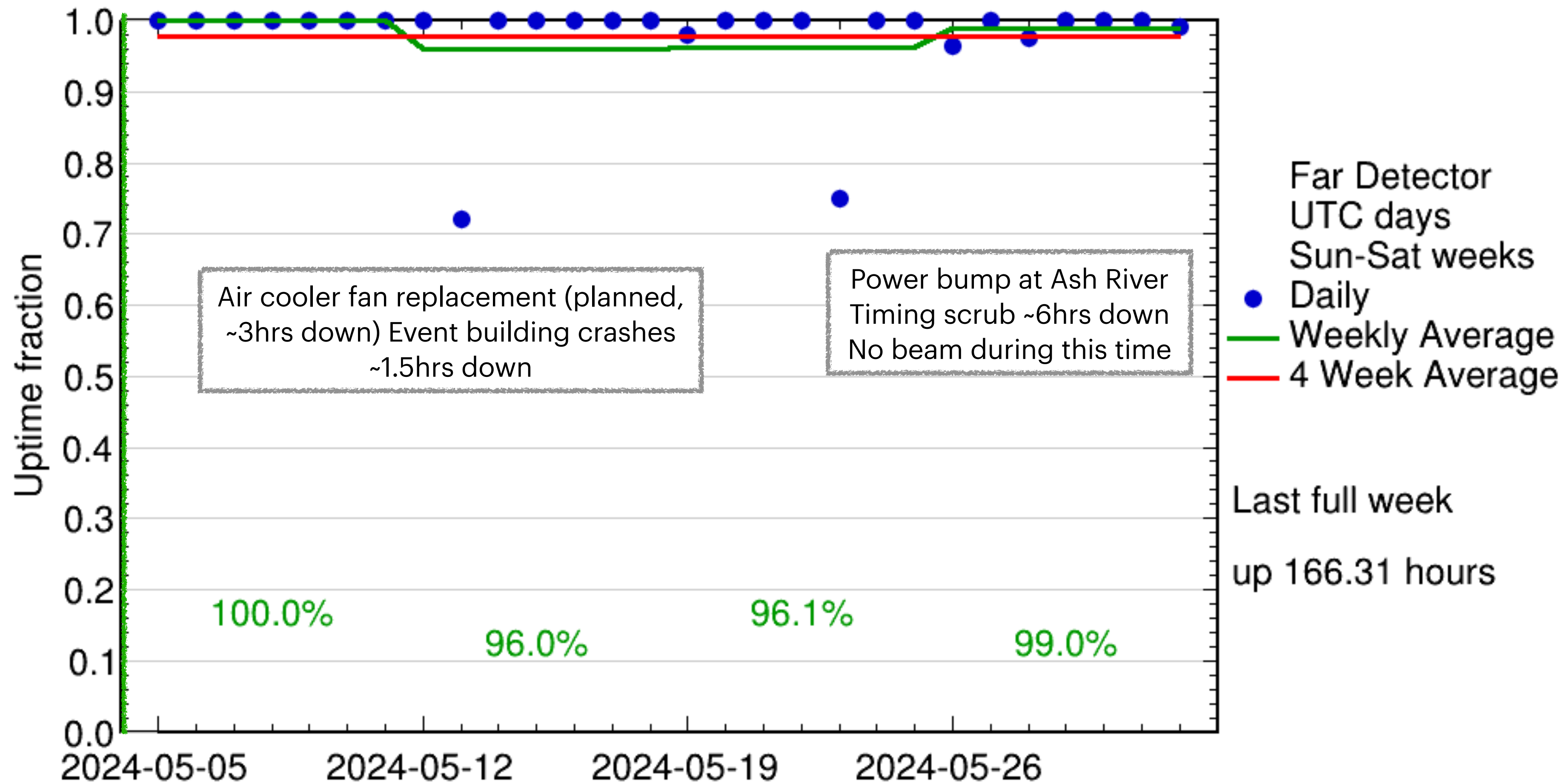
FY24 POT recorded

Delivered: 1.725×10^{20}

Recorded: 1.695×10^{20}

98.26%

Far Detector summary



Total POT recorded

43.82×10²⁰

FHC: 29.42×10²⁰

RHC:14.41×10²⁰

FY24 POT recorded

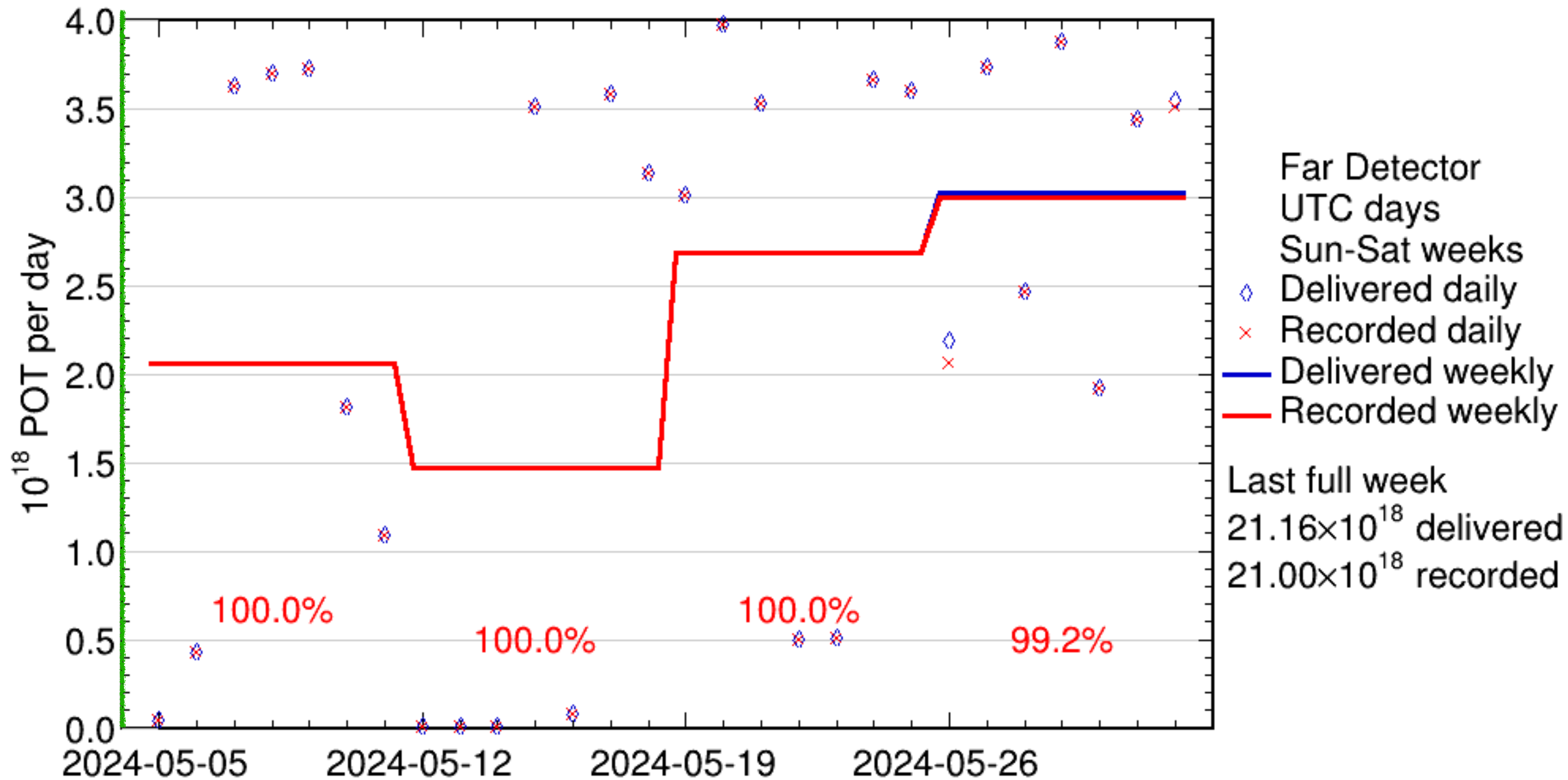
Delivered: 1.725×10²⁰

Recorded: 1.722×10²⁰

99.82%

Last full week
up 166.31 hours

Far Detector summary



Total POT recorded

43.82×10^{20}

FHC: 29.42×10^{20}

RHC: 14.41×10^{20}

FY24 POT recorded

Delivered: 1.725×10^{20}

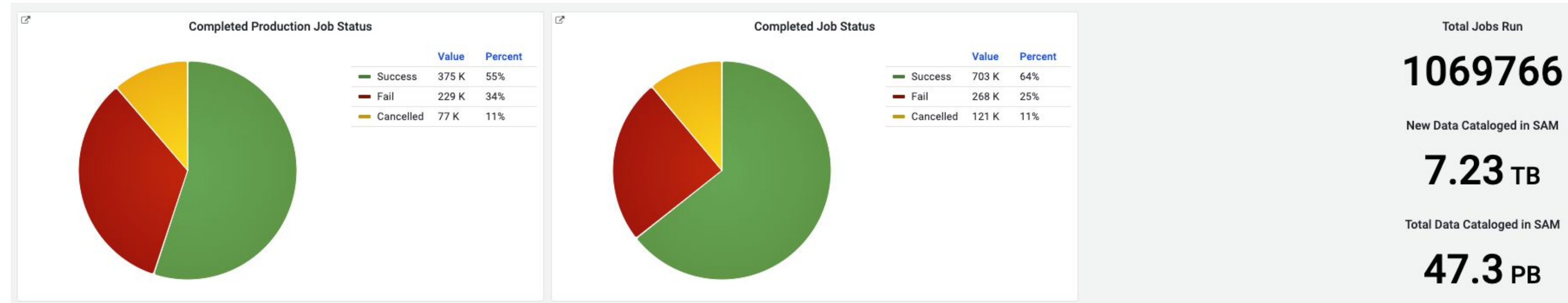
Recorded: 1.722×10^{20}

99.82%

Far Detector
UTC days
Sun-Sat weeks
◇ Delivered daily
× Recorded daily
— Delivered weekly
— Recorded weekly

Last full week
 21.16×10^{18} delivered
 21.00×10^{18} recorded

NOvA production



- In May, NOvA ran a total of 703k jobs, of which 375 k were from production.
- Production was affected by
 - slow prestaging due to SAM issues,
 - jobs held because of a bug in Condor (shadows/limit) -- now solved,
 - database access issued due to SL7→AL9 move and to an issue with a cache proxy -- now solved.
- Prod5.1 samples:
 - concats for sterile analysis group,
 - several full-scaled samples (MR CRY, ZHC, Fast and Slow Monopole),
 - investigated some bugs found in filtering.
- Miniprod6.1:
 - Completed all the remaining samples
 - investigating unexpected behaviour observed in prod6.1
 - start thinking about new miniproduction and new big production campaign starting in autumn.

Backup

NOvA

Experiment Contact Flow for MCR Operators

