

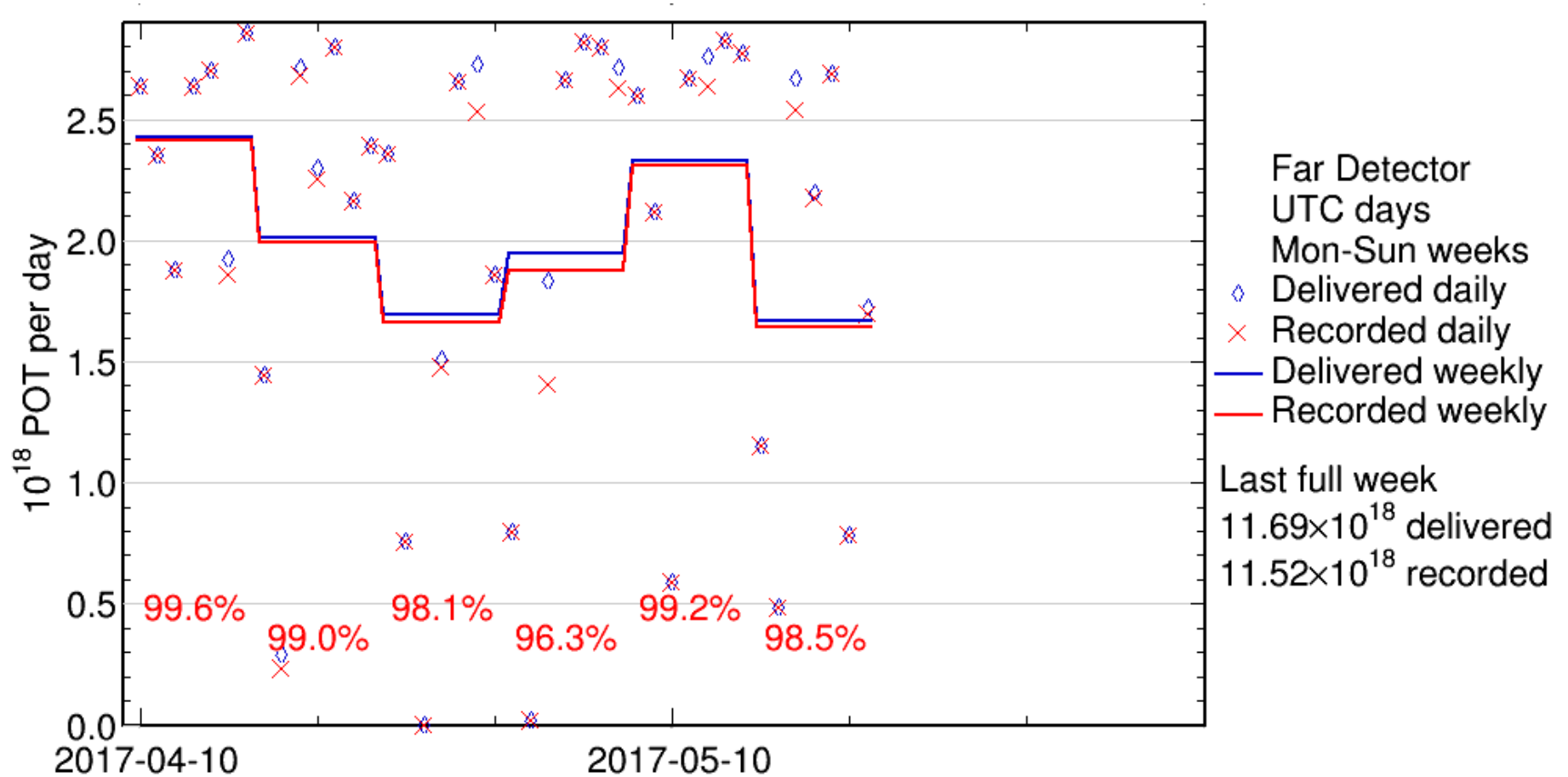
NOvA Experiment Report

Operations for the Week of 5/15

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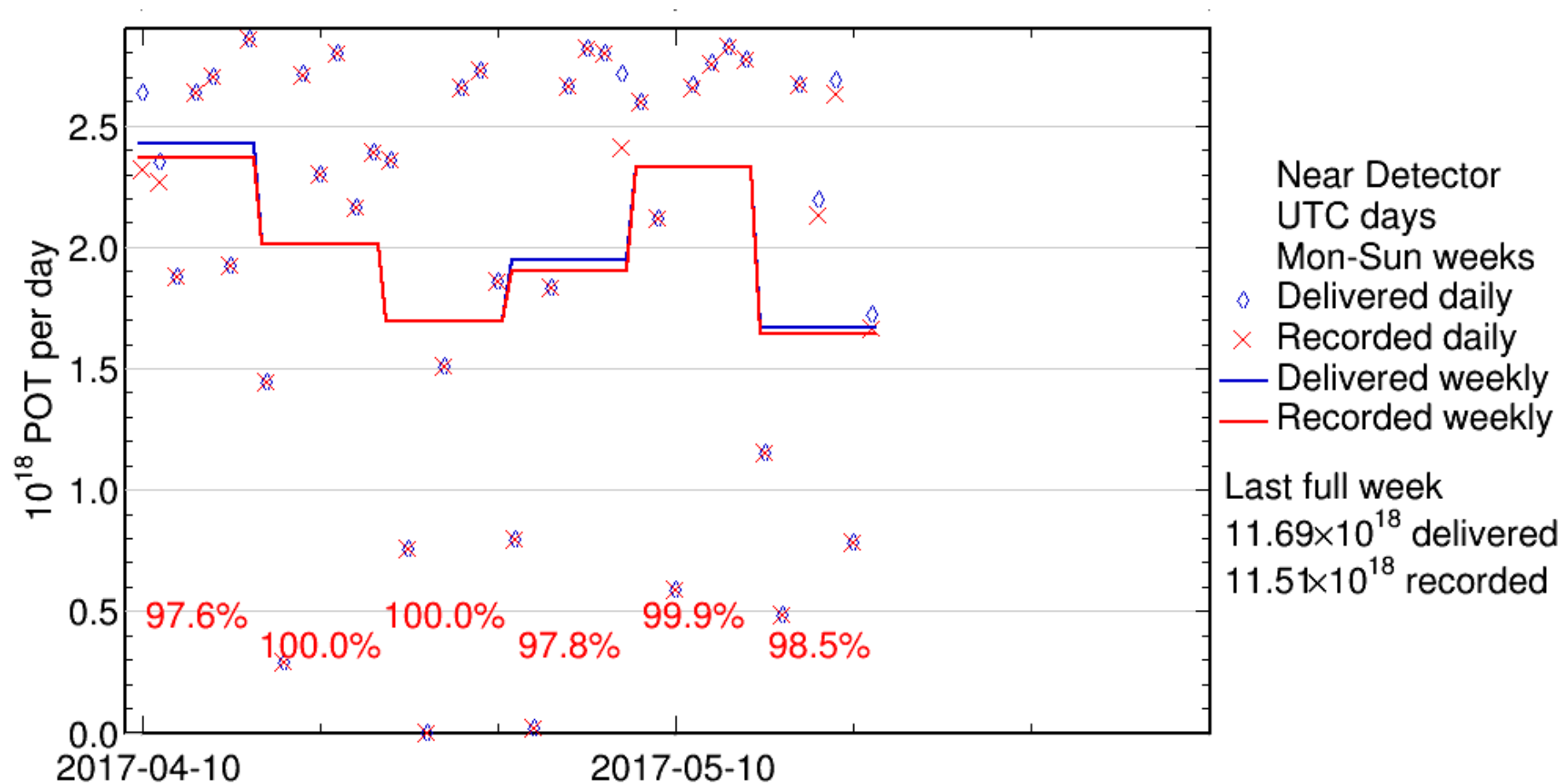
Far Detector DAQ Status

98.1% of POT recorded over last 4 weeks



Near Detector DAQ Status

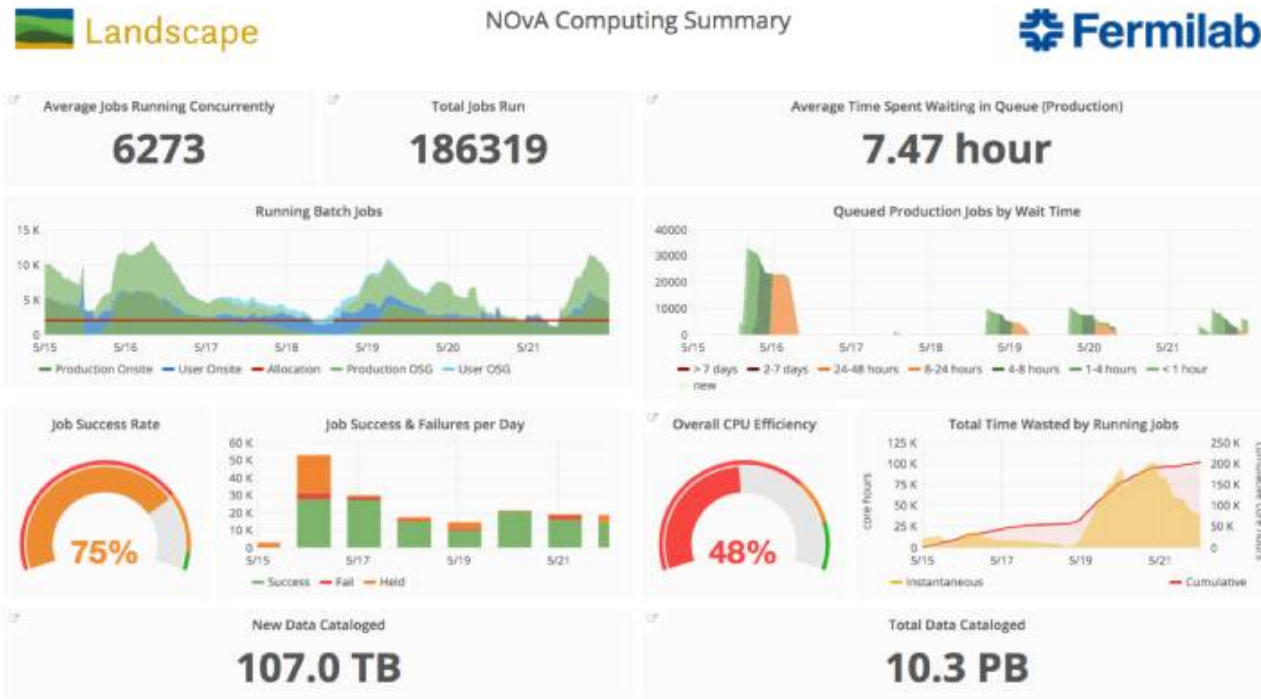
99.1% of POT recorded over last 4 weeks



Highlights

- Between the power outages last Monday, we rigorously tested our protection against over-temperature events.
- Two redundant systems:
 - One shuts off entire racks and the other shuts down single nodes
- Tests were a partial success
 - Rack-based system succeeded
 - Single node-based system failed
- Due to the partial success, shifters will continue closely monitoring temperatures.
 - We will continue to develop our redundant systems and retest during the next significant downtime.
- We believe additional DAQ instability last week resulted from the over-temperature testing and power outages.

Last Week



- Last week was focused almost exclusively on our large Far Detector cosmic data sample.
- Poor efficiency at the end of last week is still being investigated.
 - May or may not be related to our prestaging strategy.
- In either case, we are working with the dCache team to further refine how we pre-stage data.