

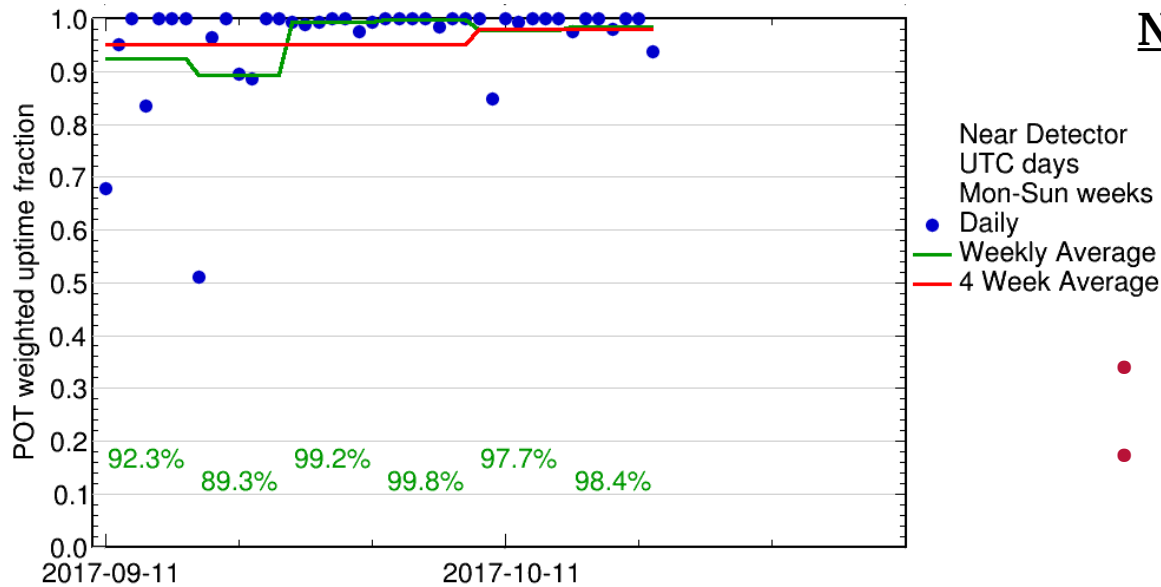


NOvA experiment report

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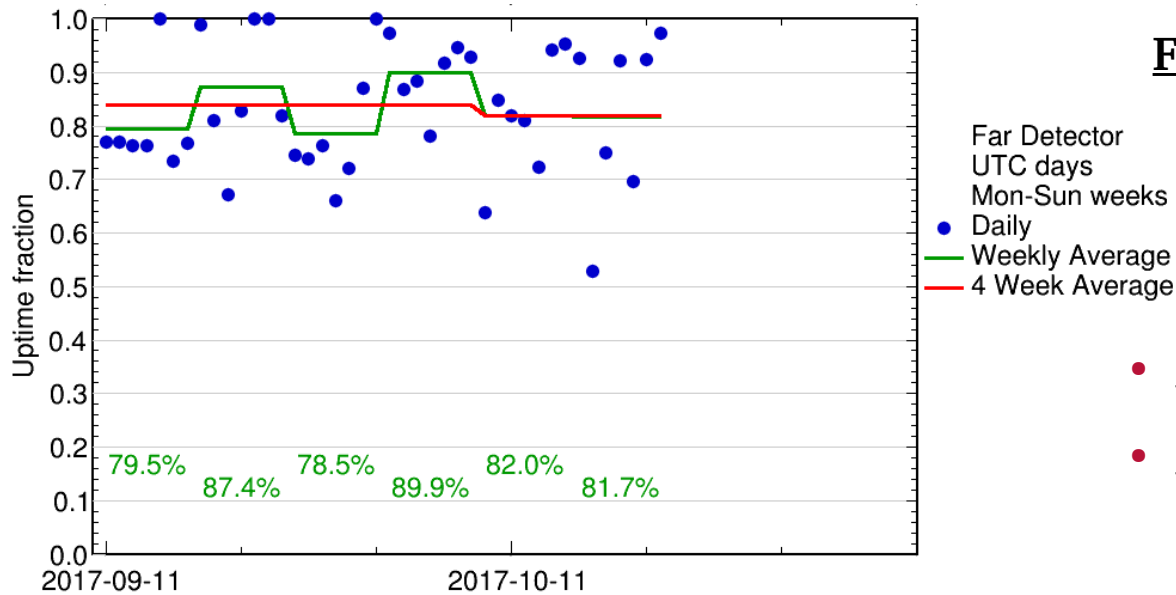
23 October 2017

Uptime



Near detector

- Average 4-week uptime: **98.5%**
- Average 4-week uptime (excluding planned downtime): **99.1%**



Far detector

- Average 4-week uptime: **83.0%**
- Average 4-week uptime (excluding planned downtime): **94.4%**

Summary of shutdown activities

- Full suite of data-driven triggers now running
- Enabled 71 "new" buffer nodes
 - Repurposed, out-of-warranty nodes
 - Replacing what we lost in the sprinkler incident in November
- Full dress-rehearsal for return of beam → starting on Wednesday

Average Jobs Running Concurrently

3831

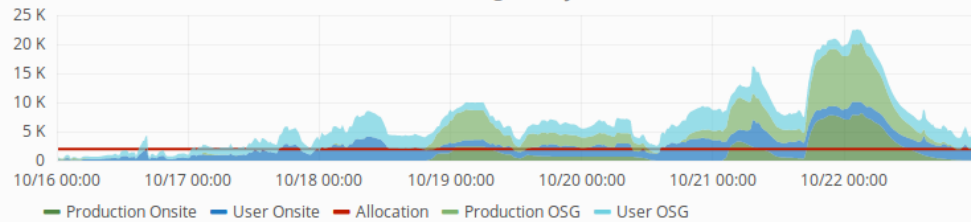
Total Jobs Run

200005

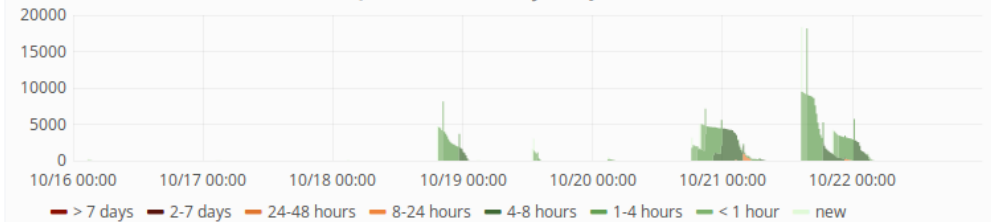
Average Time Spent Waiting in Queue (Production)

2.306 hour

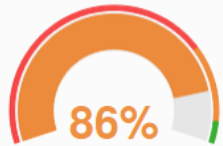
Running Batch Jobs



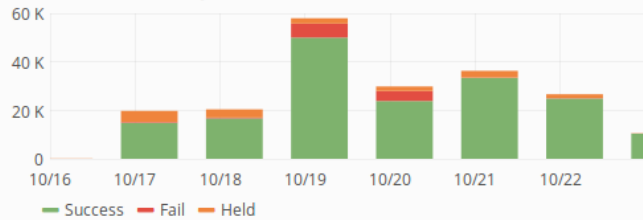
Queued Production Jobs by Wait Time



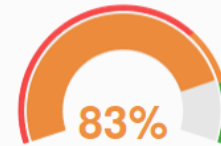
Job Success Rate



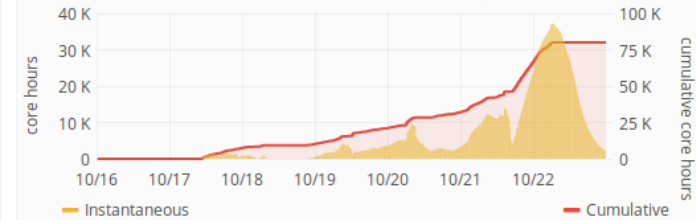
Job Success & Failures per Day



Overall CPU Efficiency



Total Time Wasted by Running Jobs



New Data Cataloged

4.0 TB

Total Data Cataloged

13.2 PB

- “Miniproduction” campaign (smallish test production in anticipation of next major campaign to begin in Nov.) nearly finished. Pretty smooth sailing.
- Last-minute reprocessing of special samples for upcoming results also went without a hiccup over the weekend (all but 12 of the 17919 jobs run Sat/Sun succeeded!)
- Heavy user grid use continues (W&C Nov/Dec). Fewer reports of dCache issues this week