NOvA Operations Status

Thomas Coan/SMU

- Far-site detector

- Near-site detector

- Fractional collection efficiency

- Computing status
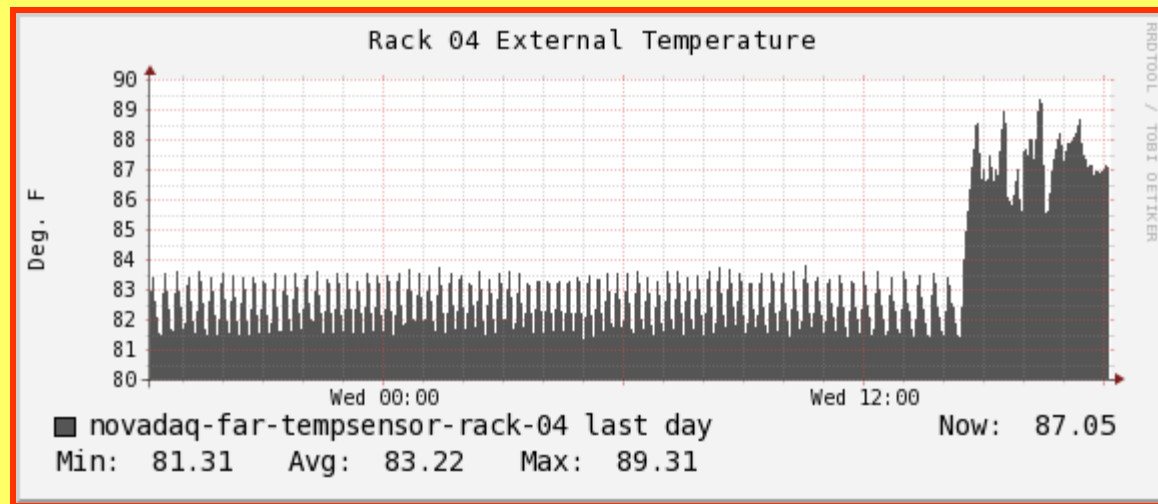
NOvA Ops: Far Det

Un-Scheduled DAQ Downtimes

• Hi temp alarms in computer room (Wed, 20 Jul, ~15:30). Correlates with compressor trip (later reset) in CRU-1 and hi external air temp (95F).

Rack 04 External Temperature

novadaq-far-tempsensor-rack-04 last day   Now: 87.05
Min: 81.31   Avg: 83.22   Max: 89.31

• Generated heat mitigation plan. Implementation in process.

NOvA Ops Far Det - II

Un-Scheduled DAQ Downtimes: Tale of Woe

- Thur, 21 Jul., 2:00 - 9:00
- Power glitch at ~2:00, severe thunderstorm. crashing DAQ.
- Trouble scrubbing timing chains. directions misread.

    "Disconnect the TDUControl..." as

     "Disconnect TDUDelay   monitor.."

- Bad "resource list" was used to try and start run.

.

-     Some issue w/ cooling APDs: 2-10-03:7 + 2-10-07:10

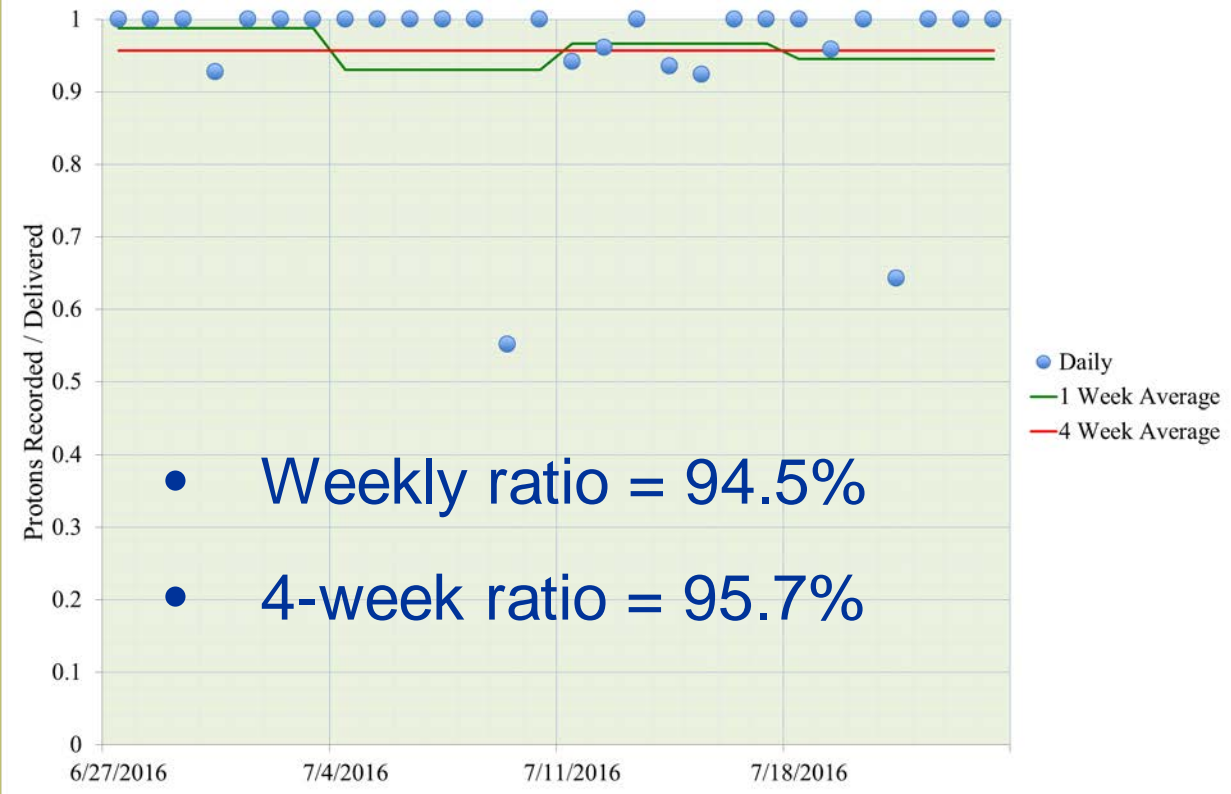   Solved by lengthening timeout setting before alarm

NOvA Ops: Near Det

No Major Issues

NOvA Ops: Near Det

- Weekly ratio = 94.5%

- 4-week ratio = 95.7%

Computing Status

Average Jobs Running Concurrently ⬀

1383

Total Jobs Run ⬀

53033

Average Time Spent Waiting in Queue (Production) ⬀

1.498 hour

Running Batch Jobs

Legend: Production Onsite — User Onsite — Allocation — Production OSG — User OSG
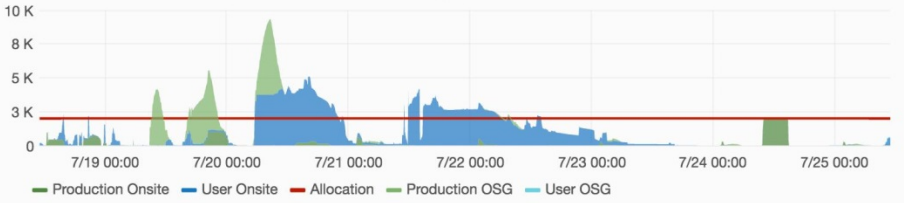
Queued Production Jobs by Wait Time

Legend: > 7 days — 2-7 days — 24-48 hours — 8-24 hours — 4-8 hours — 1-4 hours — < 1 hour — new
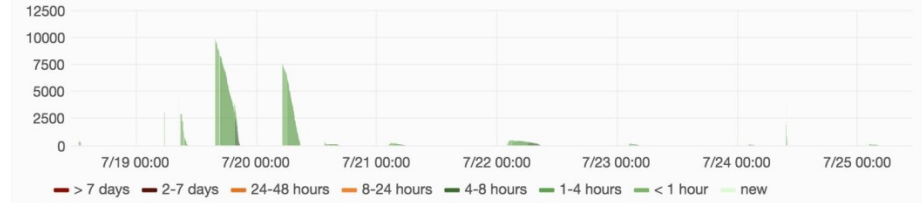
Total Jobs Failed (nonzero exit code)

11397

Average CPU Efficiency ⬀

94.1%

Job Success Rate

Legend: Success (exit code 0) — Failed (nonzero exit code)

CPU Efficiency

Legend: Overall — Onsite
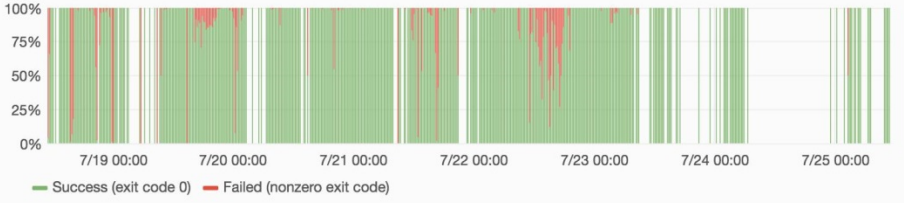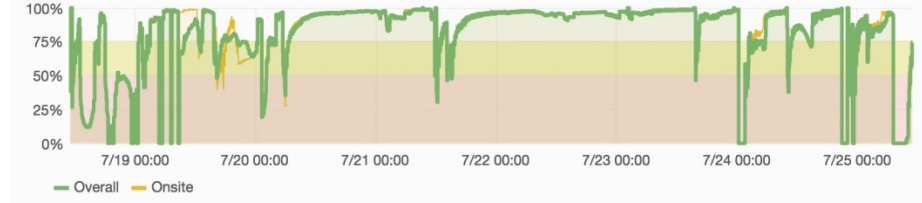
New Data Cataloged ⬀

38.6 TB

Total Data Cataloged ⬀

7.2 PB