



# NOvA Experiment Report

## Update on NOvA Operations

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PMG Meeting  
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# Computing Summary



- One NOvA tape failed in early February: no data which is not reproducible was lost and IBM and CD managed to retrieve the files.
- There were 568k jobs submitted, among which 255k were production jobs.
- There were 1M files declared and 418TB transferred this past month.
- NOvA miniproducton for 2020 is underway (for testing new calibration, reconstruction, bug fix).



# Operations Summary

- On Feb 26, NOvA switched over to neutrino mode.
  - New DAQ configuration
  - Monitoring tools switchover
  - Defined RHC period and data
- Total RHC POT recorded:  $12.69e20$ , 98.68% uptime
- NOvA has implemented our LIGO trigger
  - Listens to GCN (The Gamma-ray Coordinates network)
  - Works very much like SNEWS
- Mark Knapp updated the drivers on ND IFIX PC

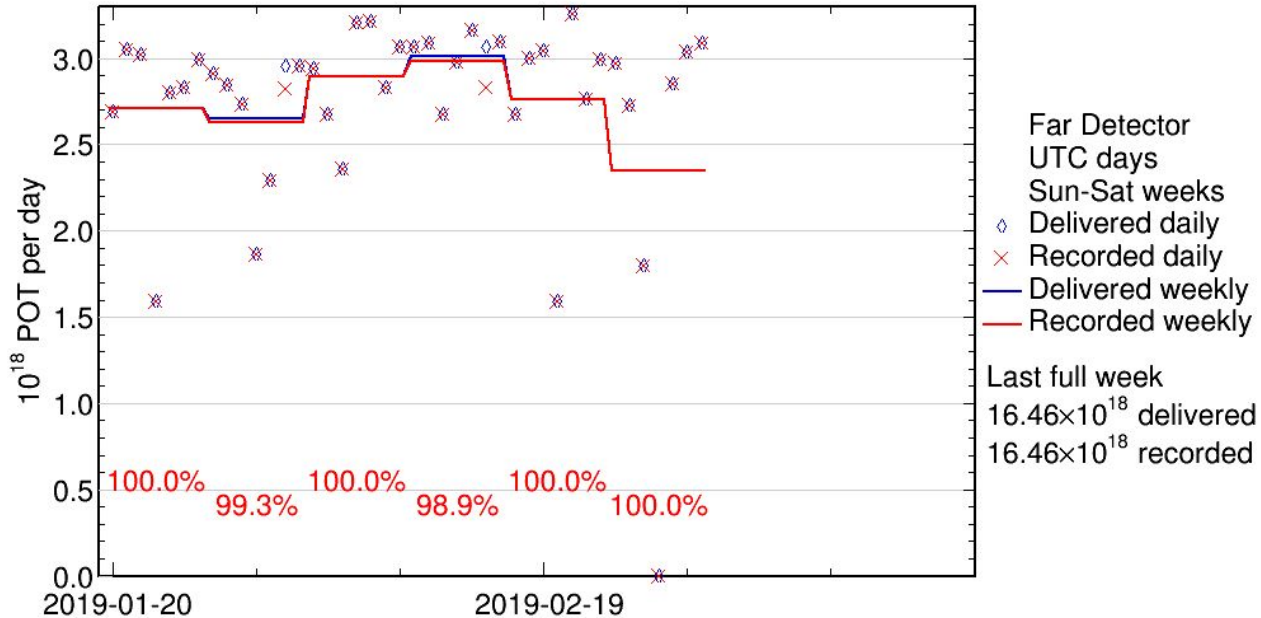


## Other Events

- A NOvA collaboration meeting was held at Fermilab, Feb 21-24. Topics included status of operations, test beam preparations, and status and plans for analysis with a focus on the remainder of this year and goals for Neutrino 2020. The NOvA Code of Conduct was adopted by the collaboration in a vote of the NOvA Institutional Board.
- NOvA and T2K held a joint analysis workshop at Fermilab, Feb 25-27.
  - working towards an eventual joint fit
  - 48 NOvAn and 29 T2Kers attended (it was immediately after the NOvA meeting)
- NOvA's first cross section paper, "Measurement of Neutrino-Induced Neutral-Current Coherent  $\pi^0$  Production in the NOvA Near Detector" was submitted to PRD, and is available on the <https://arxiv.org/abs/1902.00558>.



# FD Summary (up to March 2)



- FY19 POT delivered:  $3.43 \times 10^{20}$  recorded:  $3.41 \times 10^{20}$
- FHC recorded to date:  $11.60 \times 10^{20}$  ( $8.98 \times 10^{20}$  14 kt equiv.)
- RHC recorded to date:  $12.69 \times 10^{20}$



# ND Summary (up to March 2)

