



## **NOvA Operations Report November 3 - December 8**

Taylor Contreras  
with Maria Martinez-Casales and Yagmur Torun  
Proton PMG Meeting  
12 December 2024



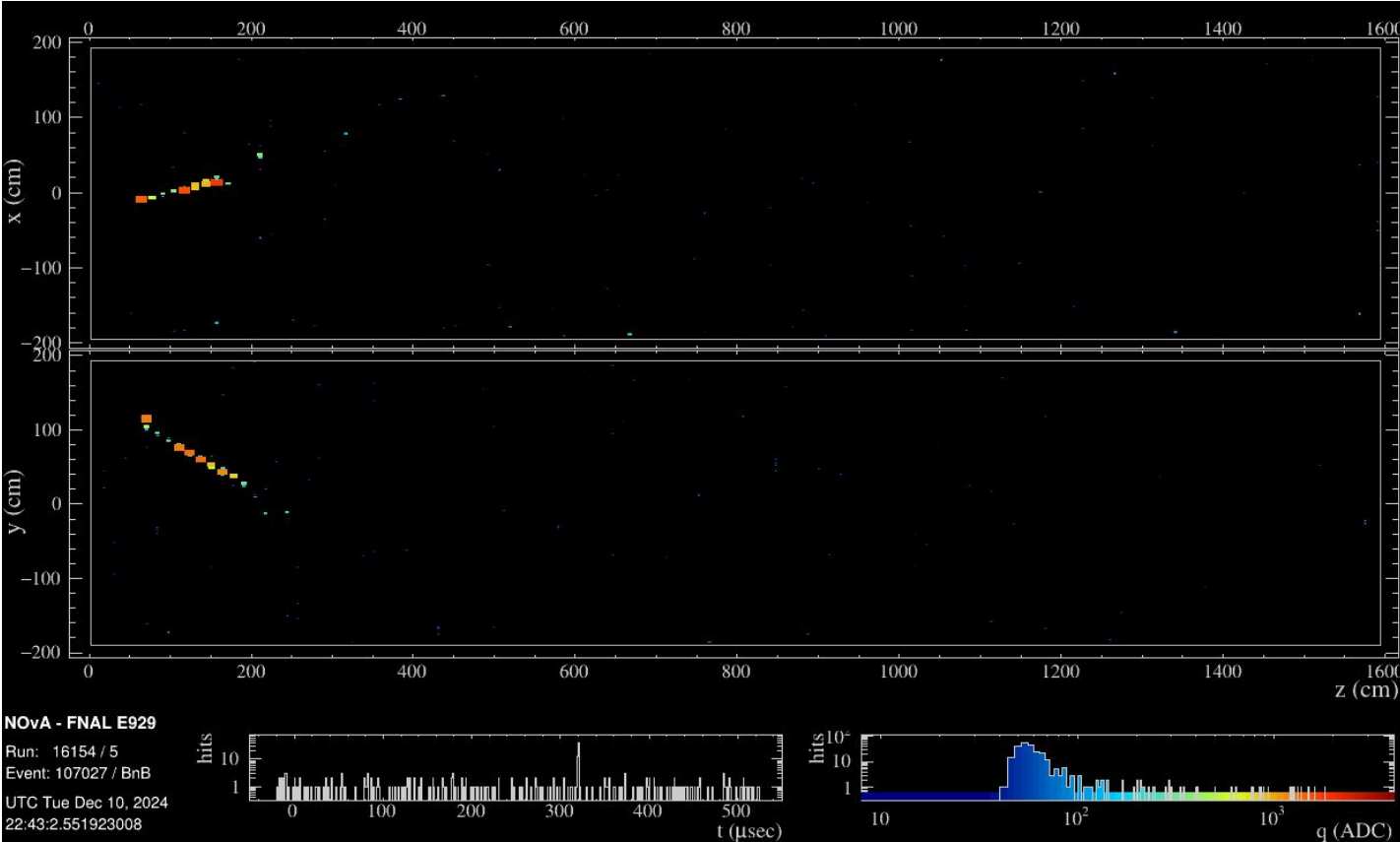
# NOvA Operations Highlights

Thank you to our shifters and experts for your continued hard work!

- **Taylor Contreras** is RunCo as of 12/9
  - Maria Martinez-Casales will take over as RunCo again in January
- Thanks Josh Barrow for your time as RunCo!
  - Thanks to Josh and Maria for training me
- NOvA is collecting BNB data
  - We have already processed the first neutrino of the run! 🎉

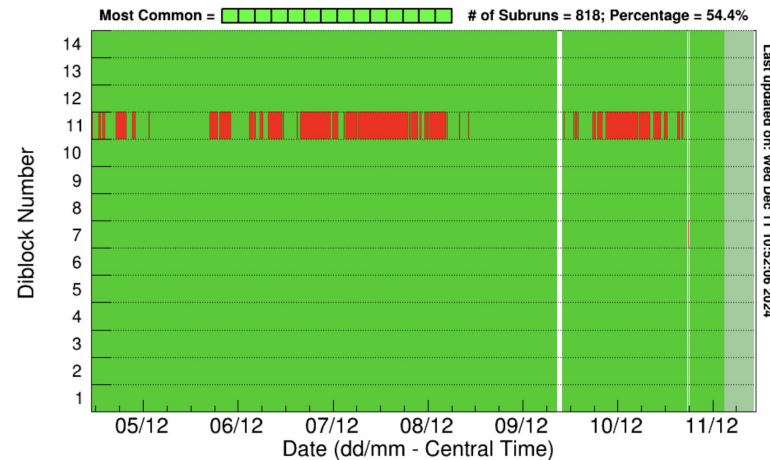
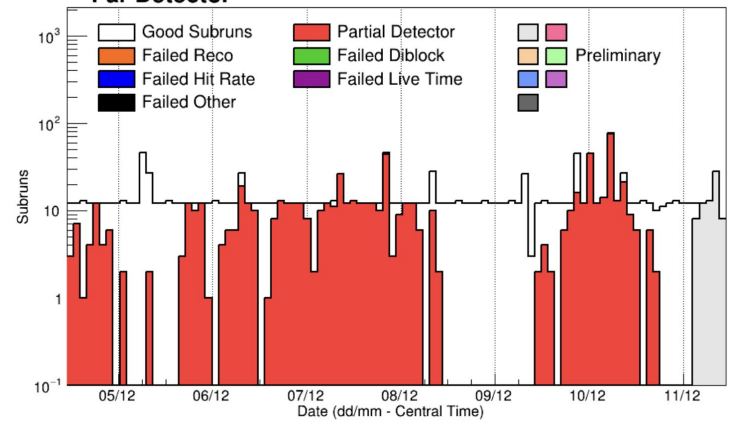


# First BnB Neutrino in NOvA this run



# Operation Conditions

- **EPICS software update**
  - ACNET pushed new code to fix this issue as of 11/26
- **Ash River maintenance**
  - Swapped a compressor and DCM
  - Dew point alarms in FD, fixed a leak in dry air buffer tank
- **Webpages**
  - nusoft.fnal.gov pages needed to be updated to nova-nusoft.fnal.gov.
- **Partial detector run failures:**
  - Currently, we believe it is a single FEB. After masking, we have not seen issues in 24 hours



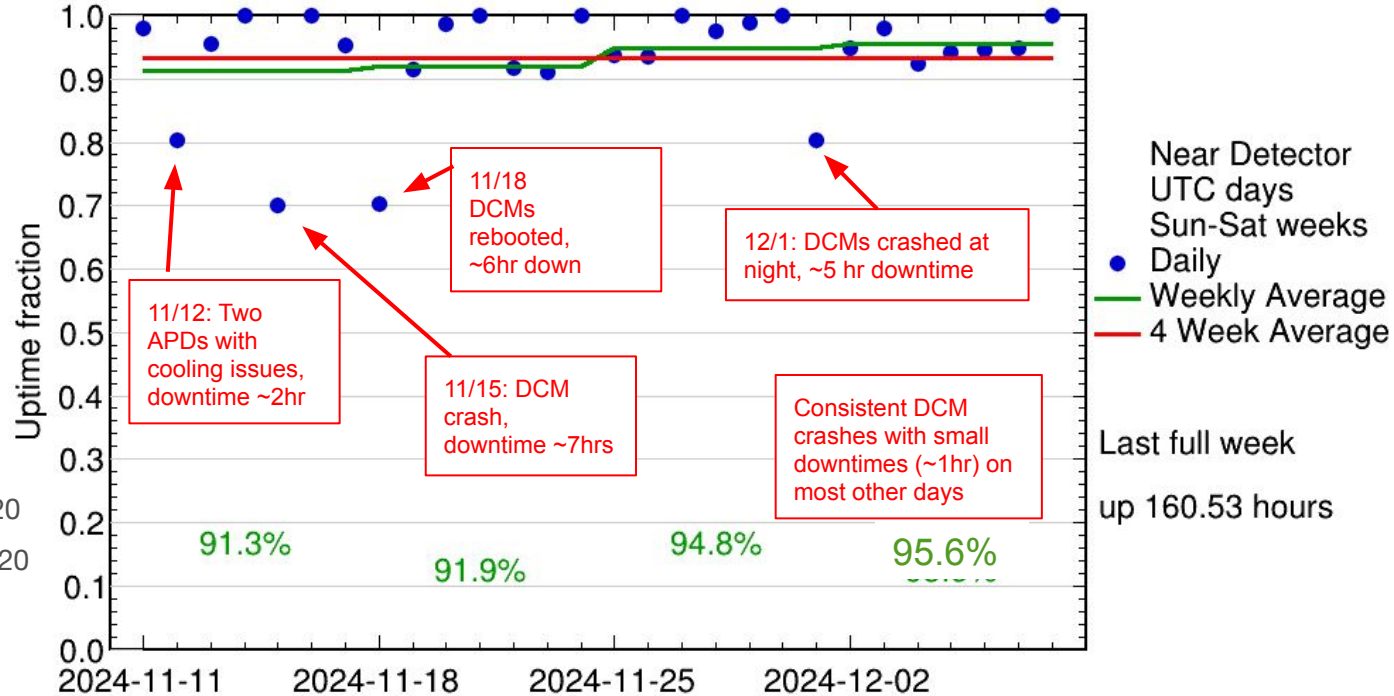
# Near Detector Summary

## Total POT recorded

- Total:  $42 \times 10^{20}$ 
  - RHC:  $26 \times 10^{20}$
  - FHC:  $15 \times 10^{20}$

## FY24 POT

- Delivered:  $2.9 \times 10^{20}$
- Recorded:  $2.8 \times 10^{20}$ 
  - 97.0%



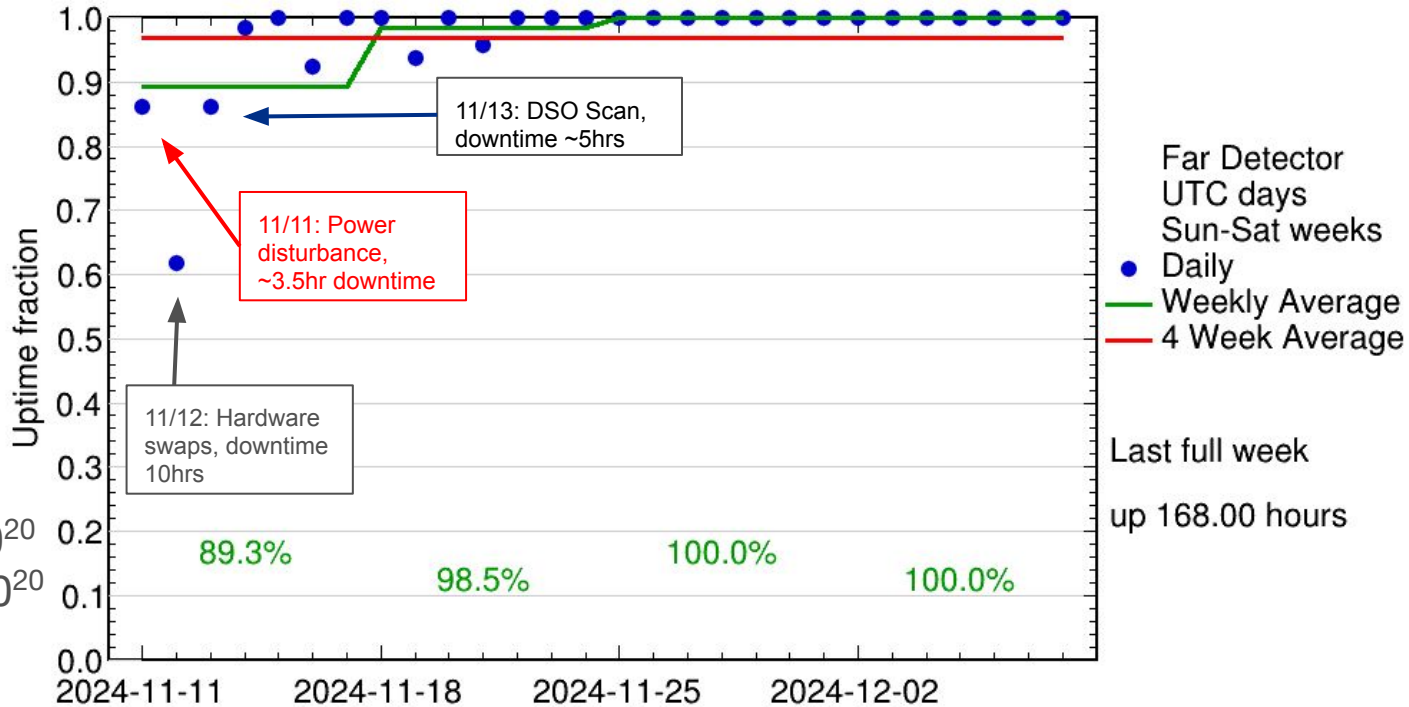
# Far Detector Summary

## Total POT recorded

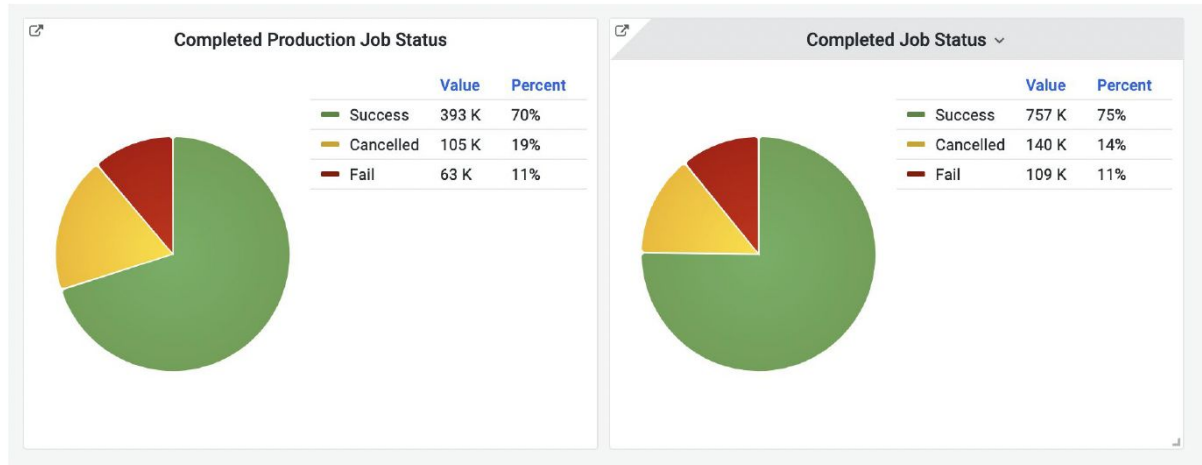
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# Production



- In November, NOvA ran a total of 1M jobs, of which 561k were from production.
- Have resolved the keepup crashes that caused production's job failures last month:
  - Originated from `samweb.fnal.gov` URI to `samnova.fnal.gov`.
    - i. Added a wrapper to explicitly set this variable.
- Infrastructure:
  - still utilizing temporary workflows, awaiting formal infrastructure with AL9.
- New big production campaign starting ~January.
  - Begun "mini" productions for analysis groups to prepare for big production.

Thank You!

