

# NOvA Operations Status

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# Detector Operations

04/04 — 04/11

**FarDet:** Zero (unscheduled) DAQ downtime

**NearDet:** Single (unscheduled) DAQ downtime

**Apr 09 @ 08:10 (105 min):** RunControl crash followed by 12 APDs in one DCM in alarm state upon run restart. Rebooted DCM, re-cooled warm APDs. One was stubborn (1-04-01:22), but eventually cooled.

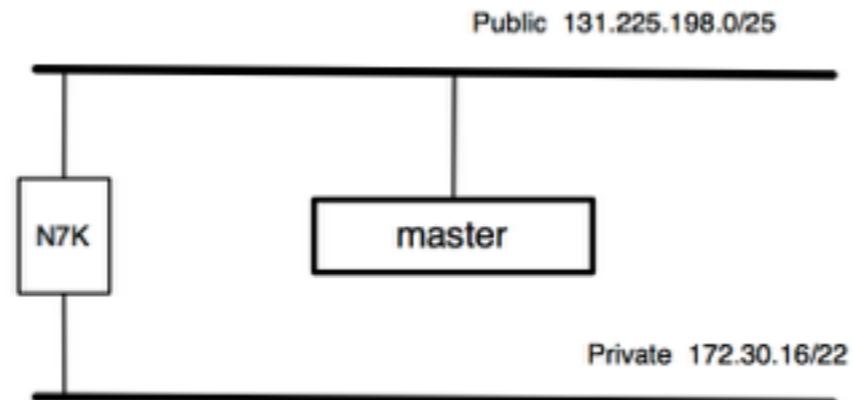
# ND Network Configuration Switch

04/04 — 04/11

## NearDet: Switch DCS machines to private network

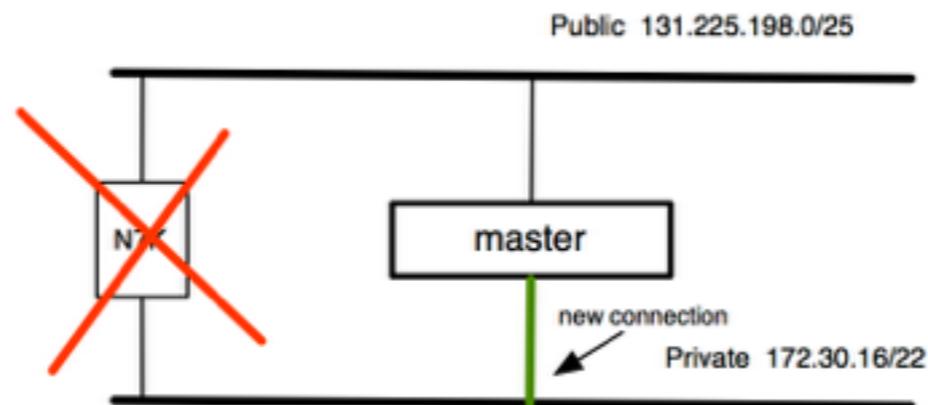
**Mark S., Andrey B., Athans H., Peter S., Andrew N.:** DCS machines switched to private network; this caused problems with multicasting. Switched to basic broadcasting Th-Su.

A temporary backdoor on one of datacenter Nexus 7000 was in place between Private & Public for a long time but should not be in the final configuration. As a part of ACL maintenance we agreed to shut it down (please see notes on the RITM365081)



Plans this week to resolve problem, revert to multicasting.

A temporary backdoor between Private & Public is disabled



Thanks, Andrey B., for the diagram!

# Testing

04/04 — 04/11

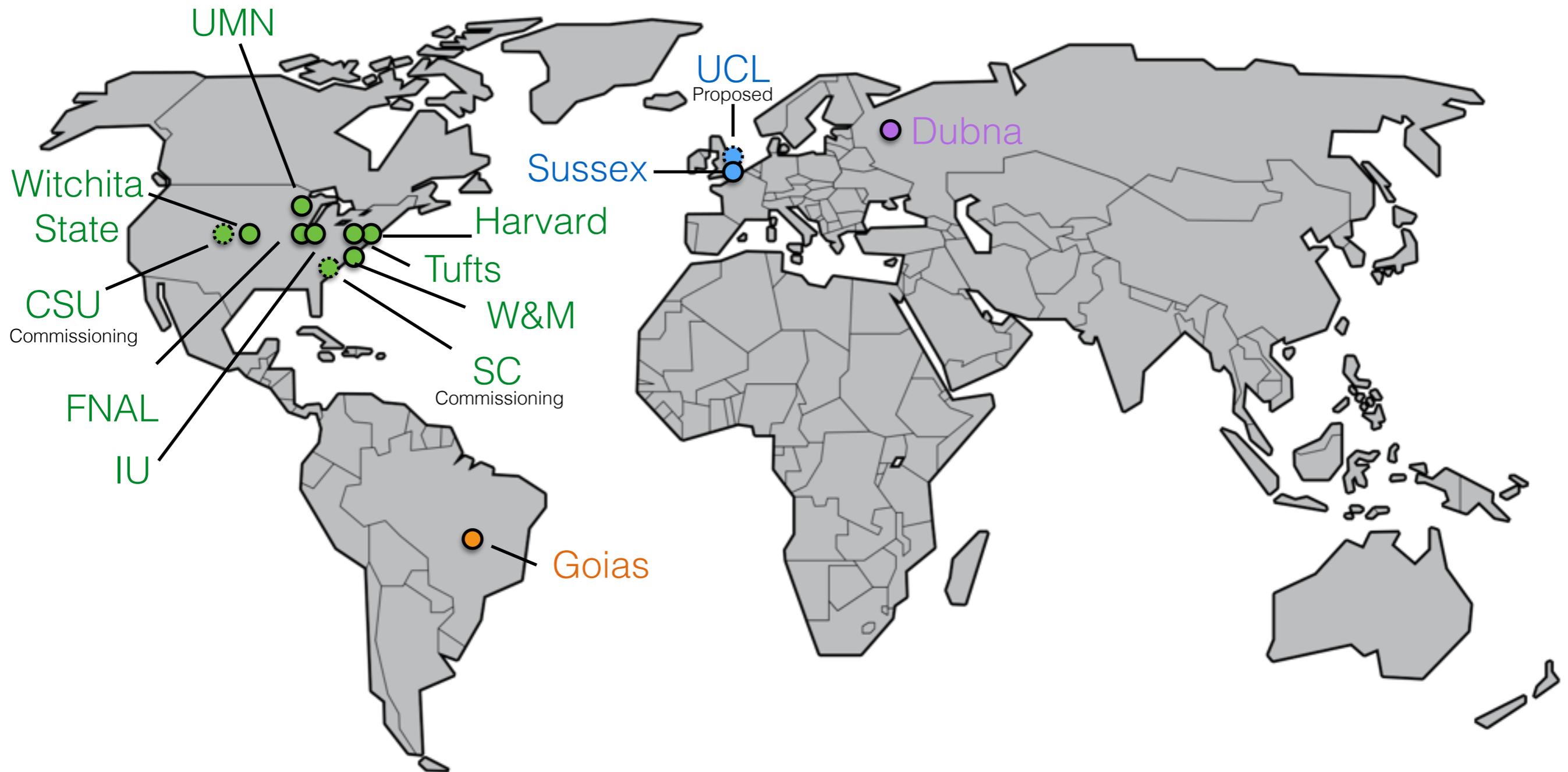
## **FarDet:** Test new SuperNovaDDT ([ECL 83078](#))

**Serdar, Andrey S.:** Check that planned SuperNovaDDT, if triggered, will speak correctly to both NOvA and SNEWS. Test successful.

## **FarDet:** Test new version of DowntimeLogger ([ECL 83080](#))

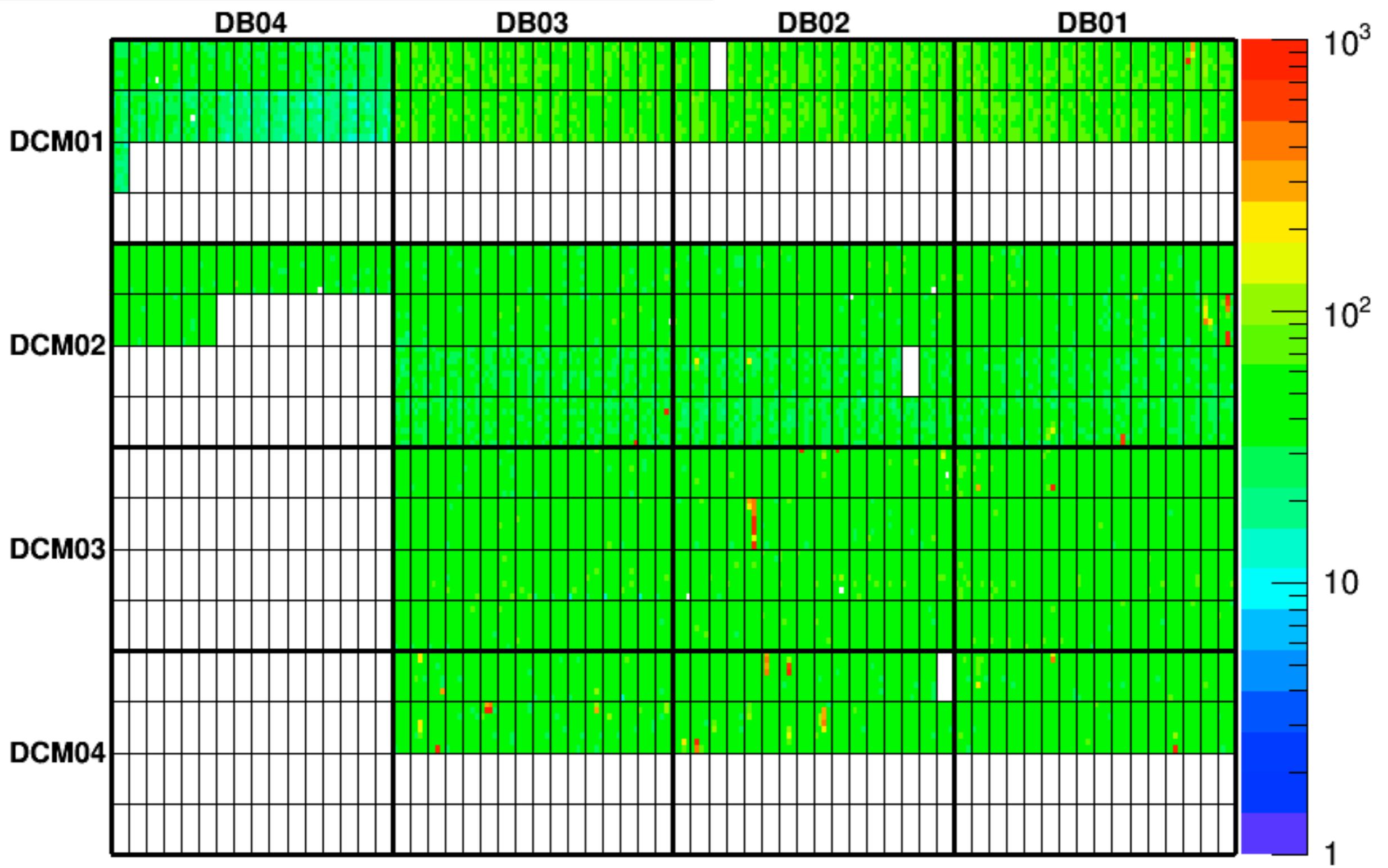
**Karel, Nitin:** Successfully tested that logger registers transitions from running to stopped states, that duplicate DB entries are prevented. Rolled back to old version after testing.

# NOvA's ROC Network yet expands

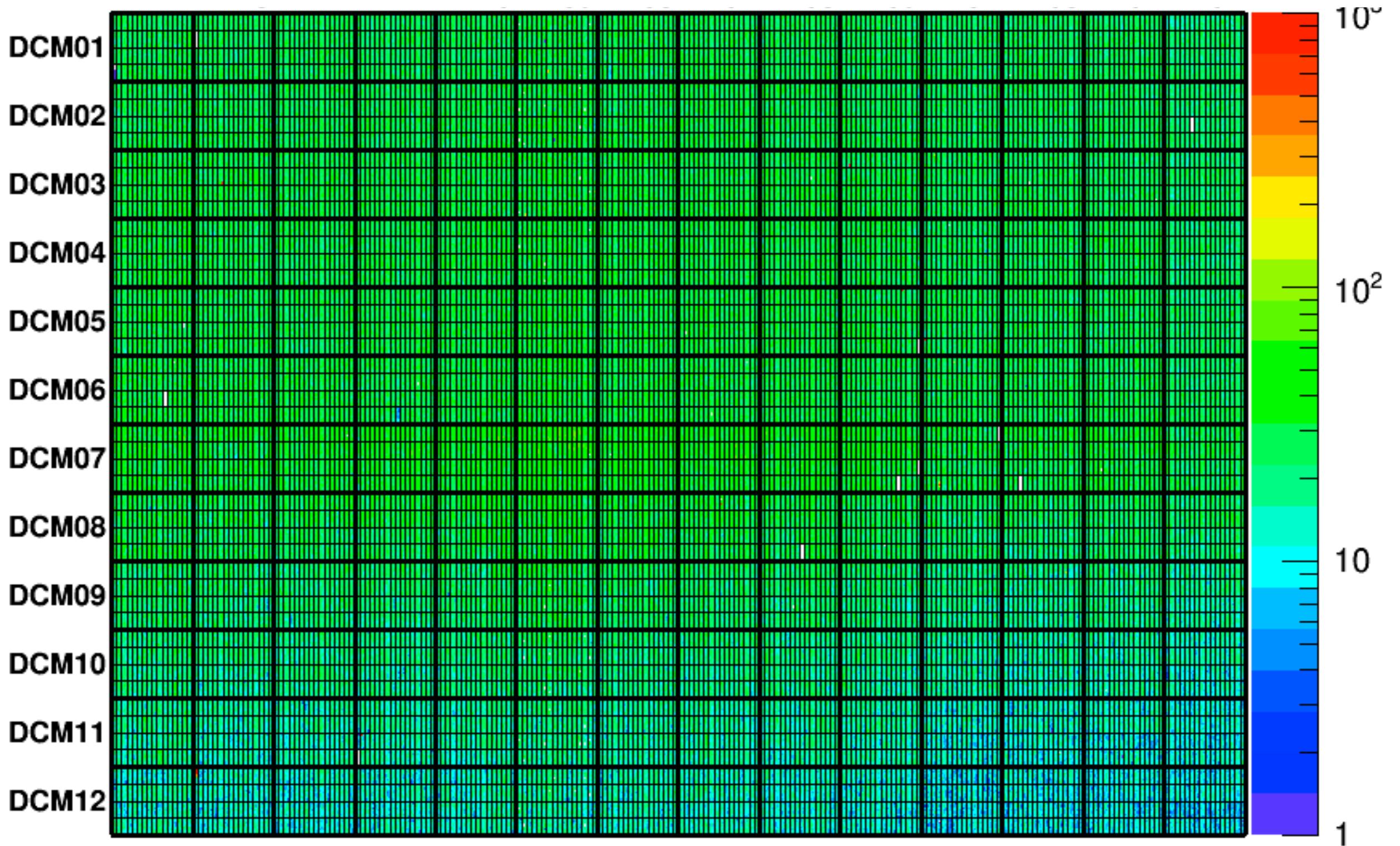


CSU taking shadow shifts this week; SC aiming for next week.

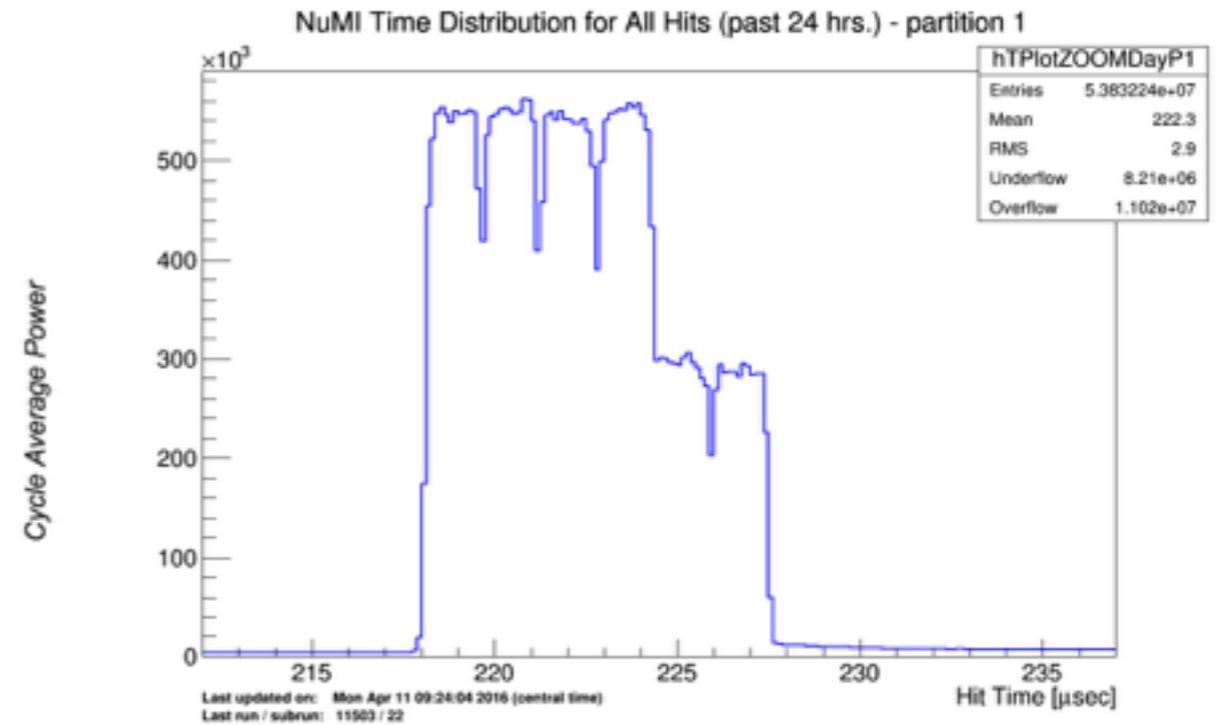
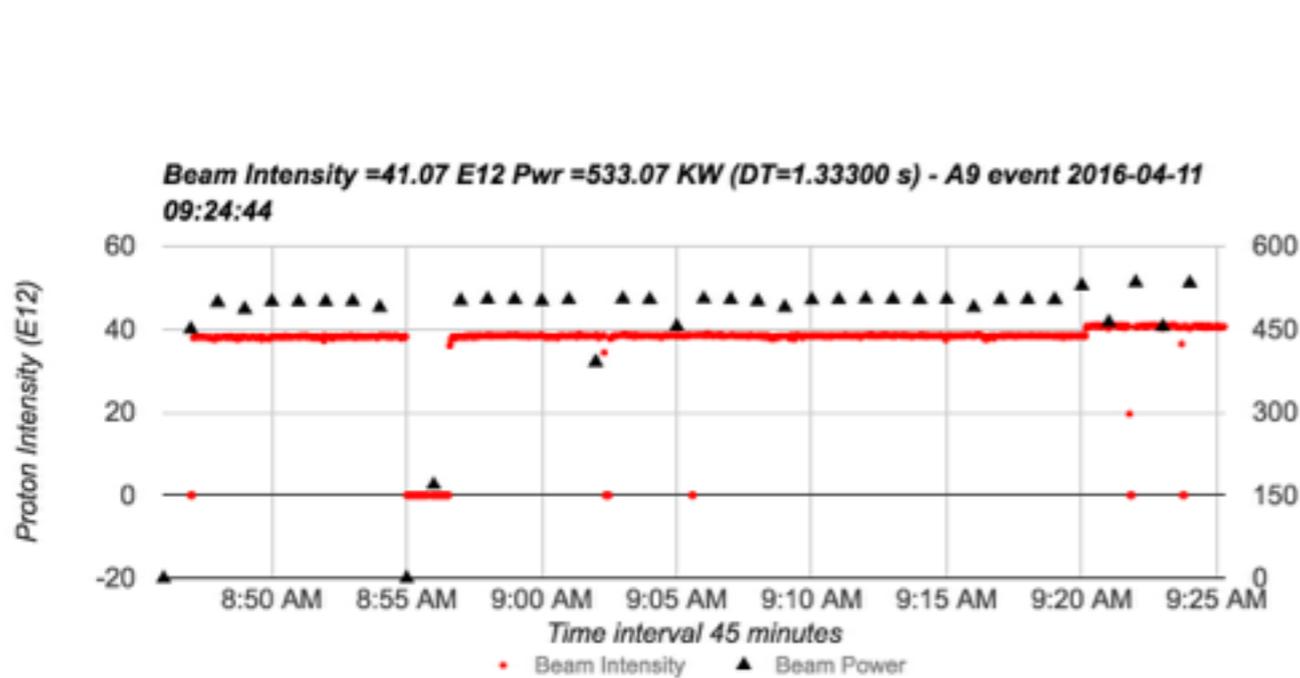
# NearDet FEB MIP Hit Rates (by pixel)



# FarDet: FEB MIP Hit Rates (by pixel)



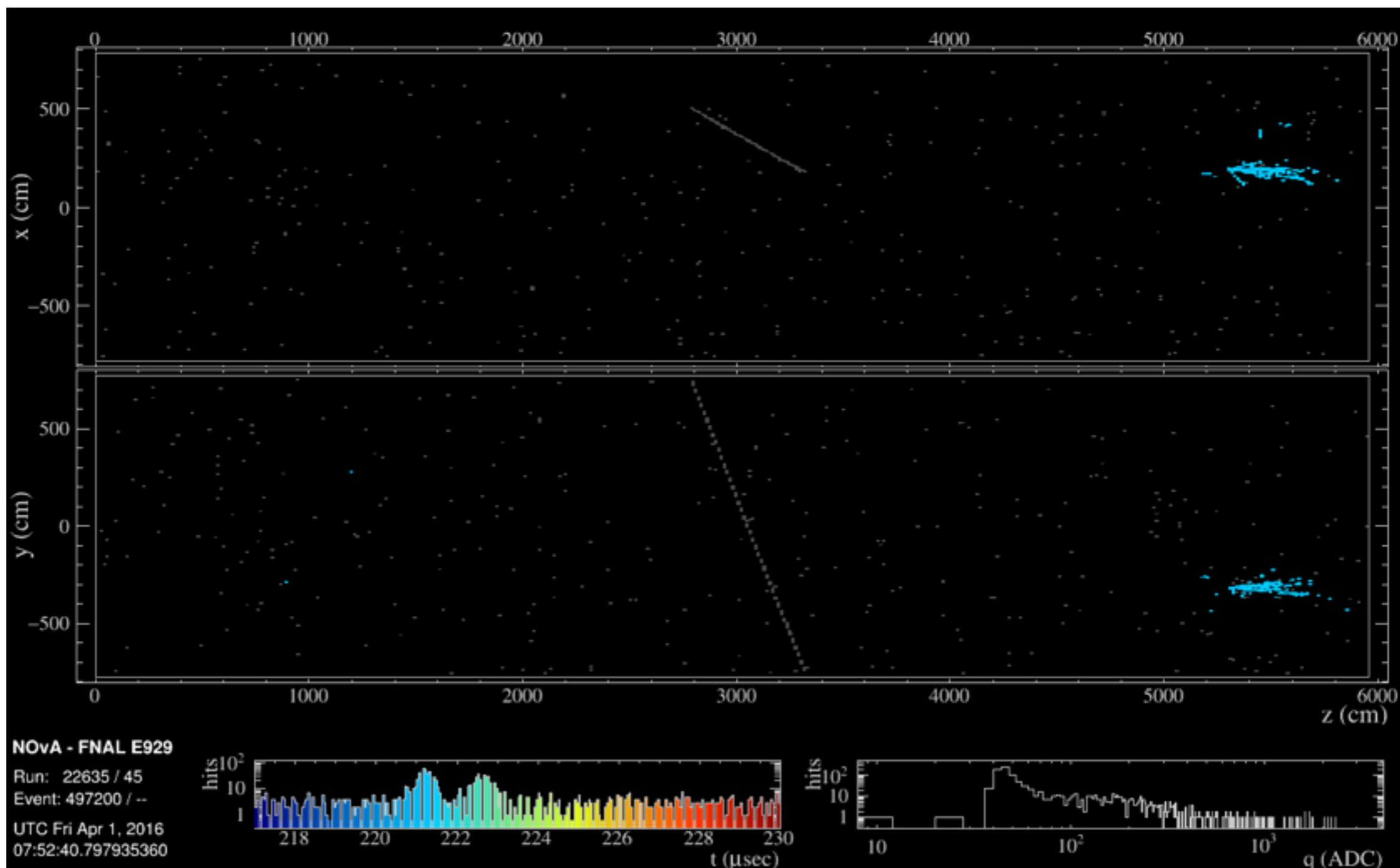
NOvA is currently seeing:  
4+6 slip stacking, ~530 kW



Plots taken from this morning; many thanks to AD!

# Latest processed FD neutrino candidate

## Event display from April 1

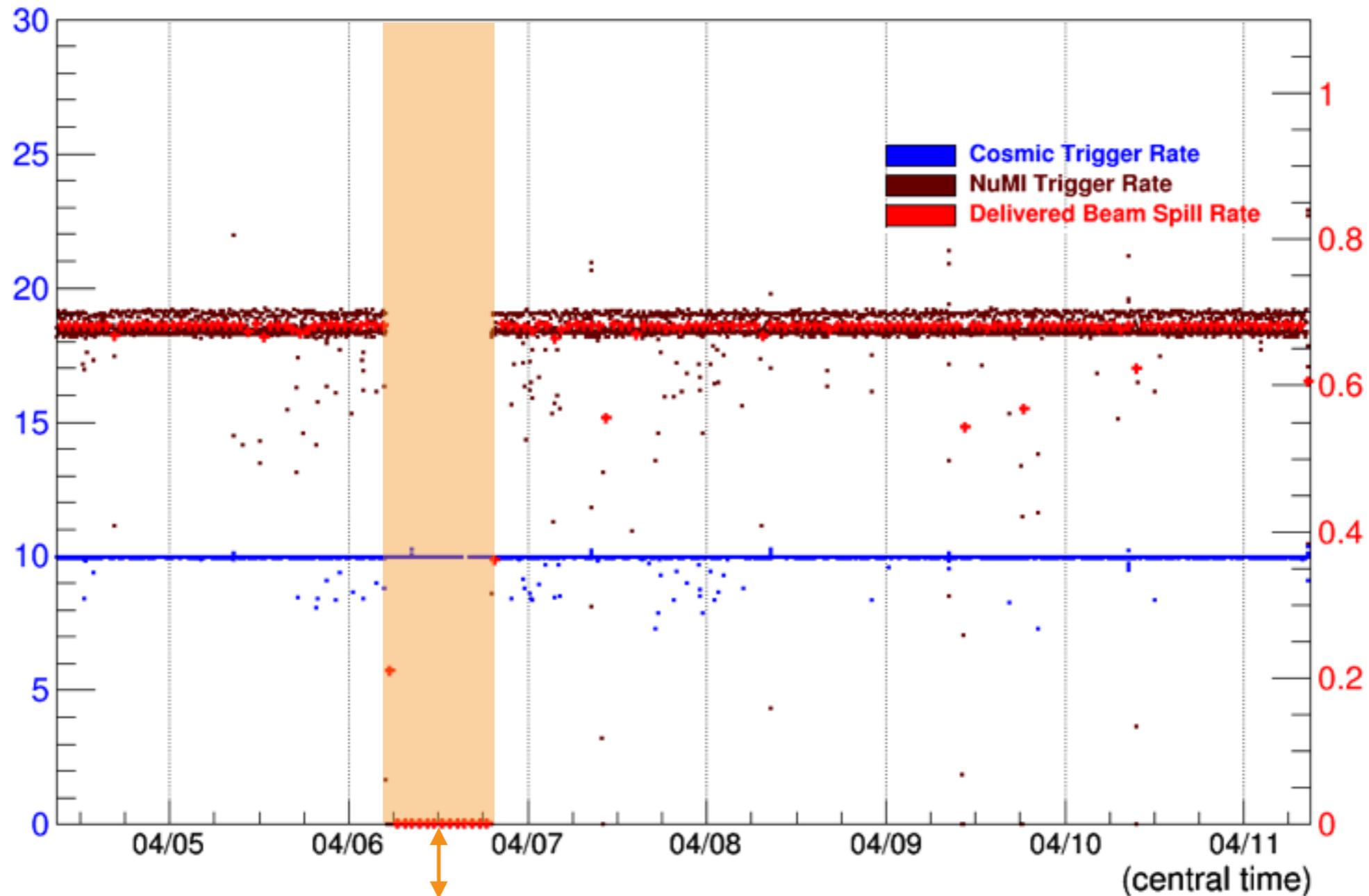


Blinded selection (does not use our PIDs or detailed selection criteria).  
Just grabs contained vertices with forward-going prongs

# Great week for recording POTs

Plot shown is for FD

Average Trigger and Spill Rates (Hz) - partition 1



NuMI downtime in conjunction with NOvA ND network configuration switch

# FD: Accumulated POTs

