

# NOvA Experiment Status

## All Experimenter's Meeting

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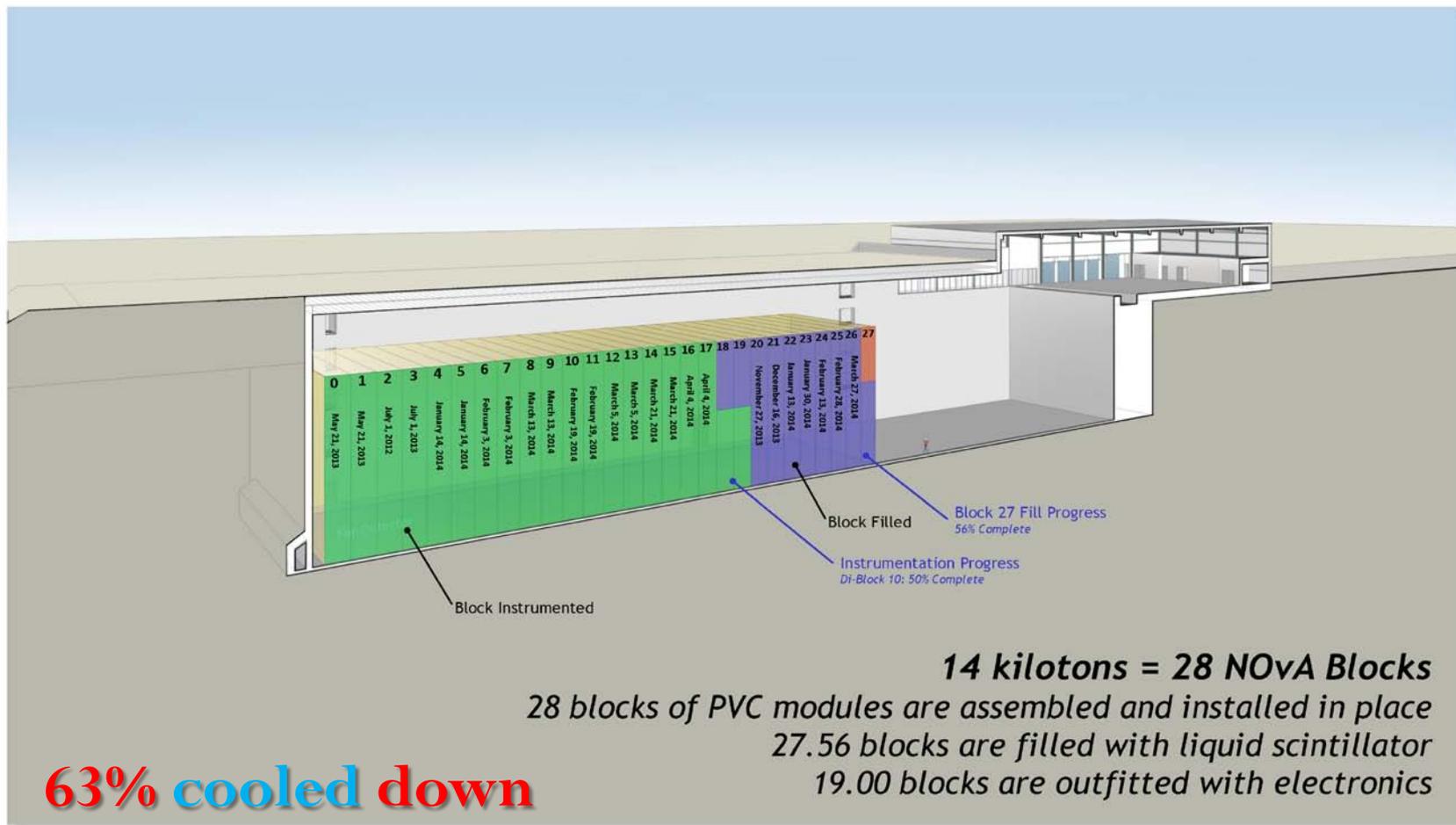
Apr 14, 2014

# FD: Detector Assembly Progress

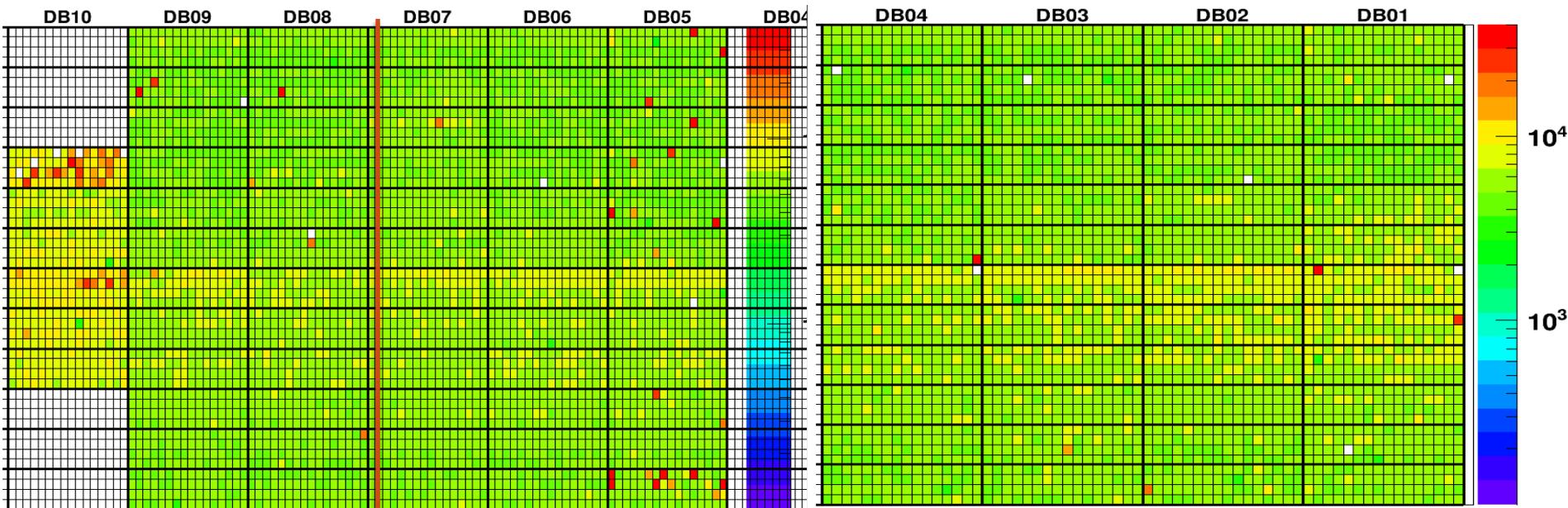


## NOvA Far Detector Assembly Progress

Status Date: 14APR14



# FarDet: Data-Taking



About to go to Partition 1 this weak

*Partition 2* – Diblocks 5,6,7,8,9,10 (6 dcms)

Diblocks 5, 6, 7, 8, 9 cooled APDs

Installation of new APDs on DB 10

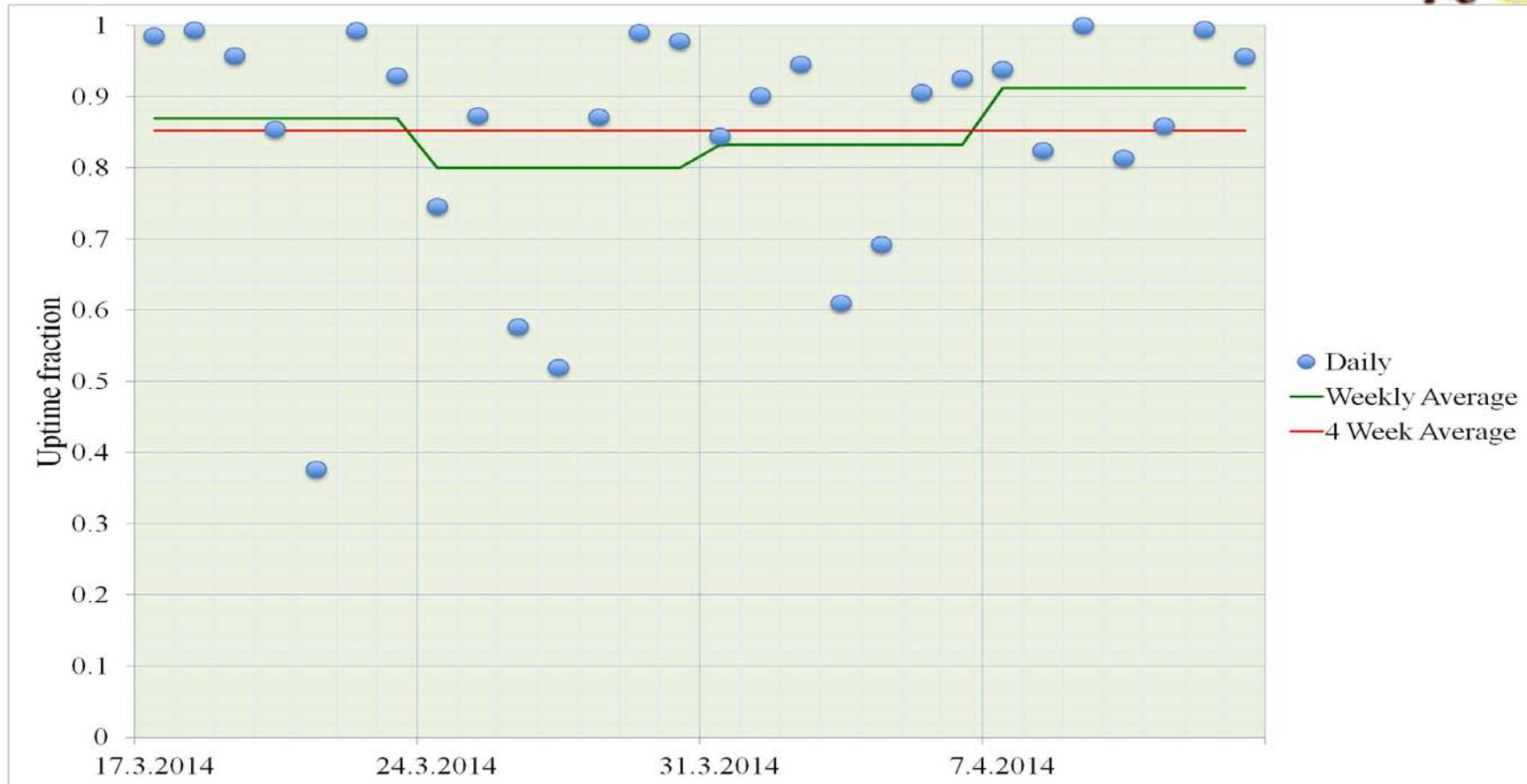
*Partition 1* – diblocks 1,2,3,4

Running >99% active, cooled APDs

HV at full gain values

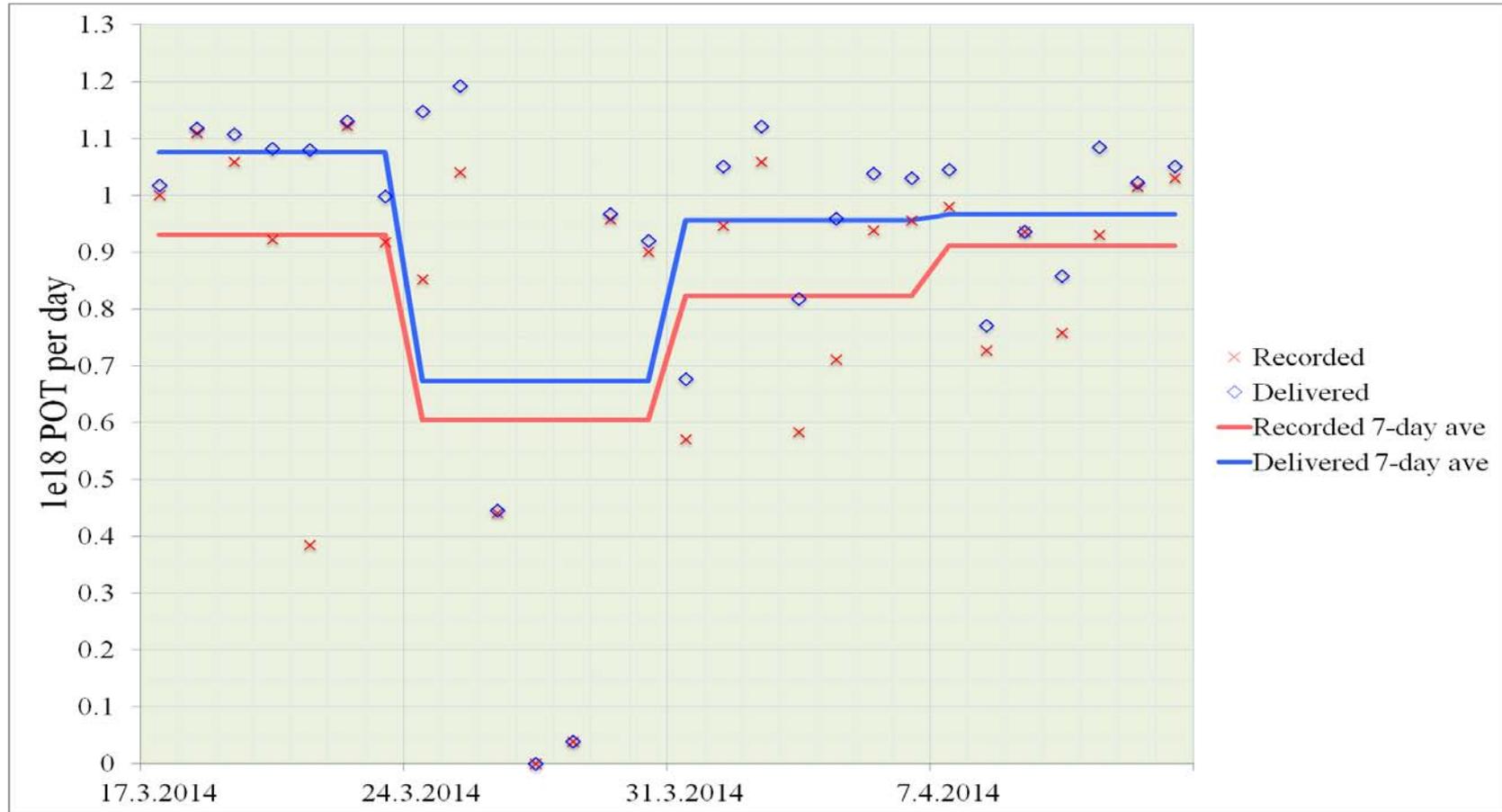
*Partition 3* – running diblocks 11-13 (Front End Boards only)

# FD: DAQ Uptime



- Plot for past 4 weeks, improvement last week.
- Averaging about 85% and ~ 91% in past week.
- Beam shutdown on Tue used for DAQ expert work.
- Common replacement day on Thu.

# FD: POTs delivered/recorded



- Plot for past 4 weeks, in general better efficiency.
- We recorded in average 0.91 e18 pots/day with 94% efficiency (best in past month).
- 2 beam shutdowns on Tue and Thu.

# Summary



## FarDet:

- 19 of 28 blocks of FarDet fully-instrumented, running with full gain mode, more than 27.5 blocks oil filled.
- 9 of 14 diblocks successfully cooled down.
- We switched DAQ back to run on 3 partitions, about to move 3 diblocks to 'Physics' partition.
- Efficiency of beam recording was much better.

## NearDet:

- Ready to install first 8 APDs onto  $\mu$ -catcher this week.
- Continued with oil filling – 80% full.
- 63 FEB5 were installed on  $\mu$ -catcher modules, another 300 at FNAL now and ready to install (enough for half of ND).