NOvA Experiment Status
All Experimenter's Meeting

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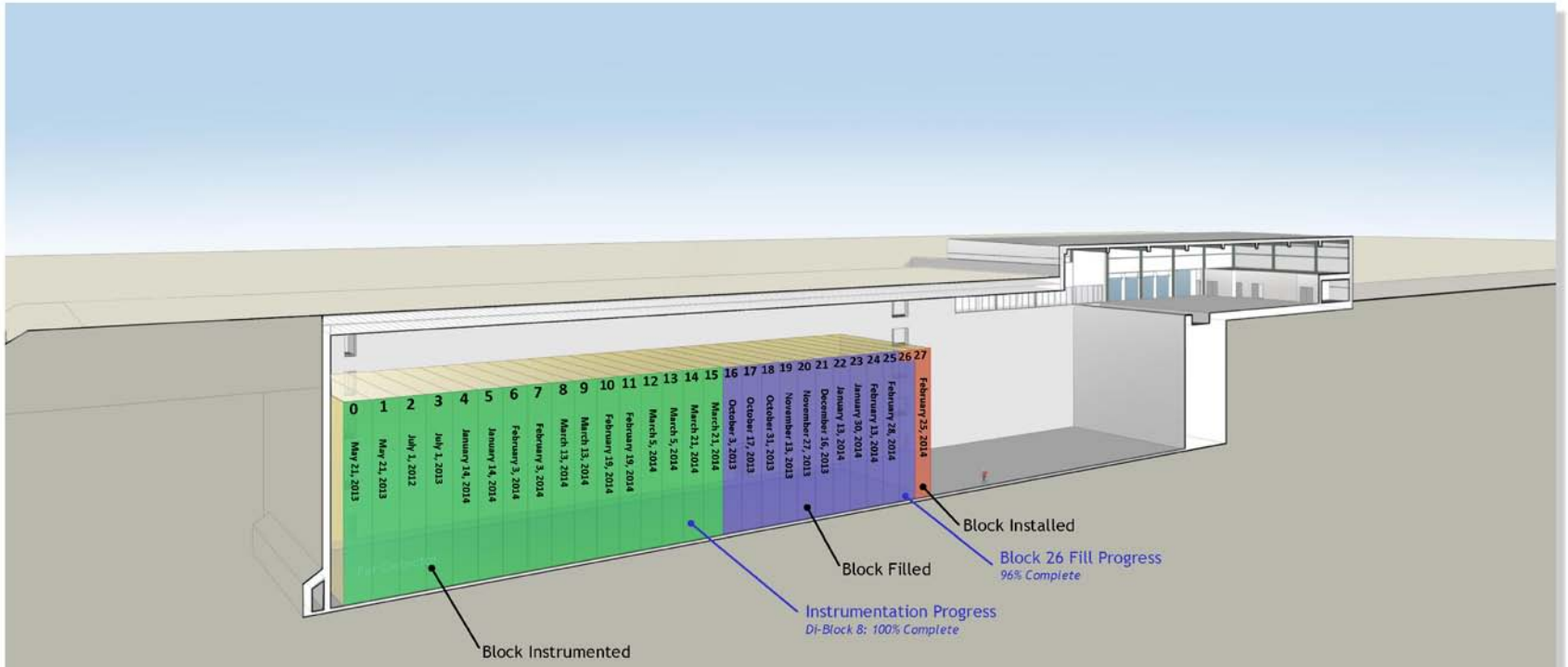
FD: Detector Assembly Progress

The Intensity Frontier

NOvA Far Detector Assembly Progress

Status Date: 24MAR14



14 kilotons = 28 NOvA Blocks

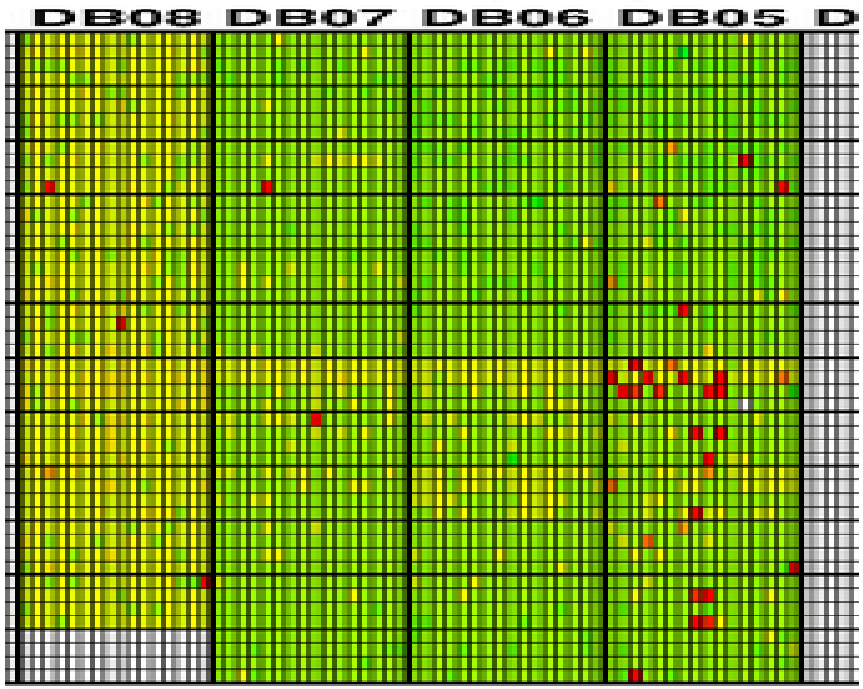
28 blocks of PVC modules are assembled and installed in place

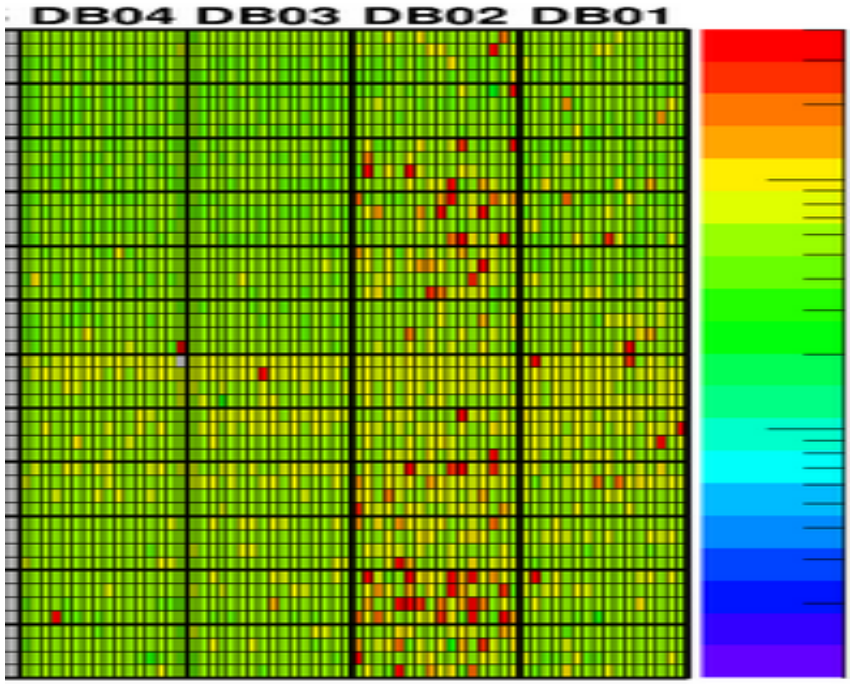
26.96 blocks are filled with liquid scintillator

16.00 blocks are outfitted with electronics

50% cooled down

FarDet: Data-Taking



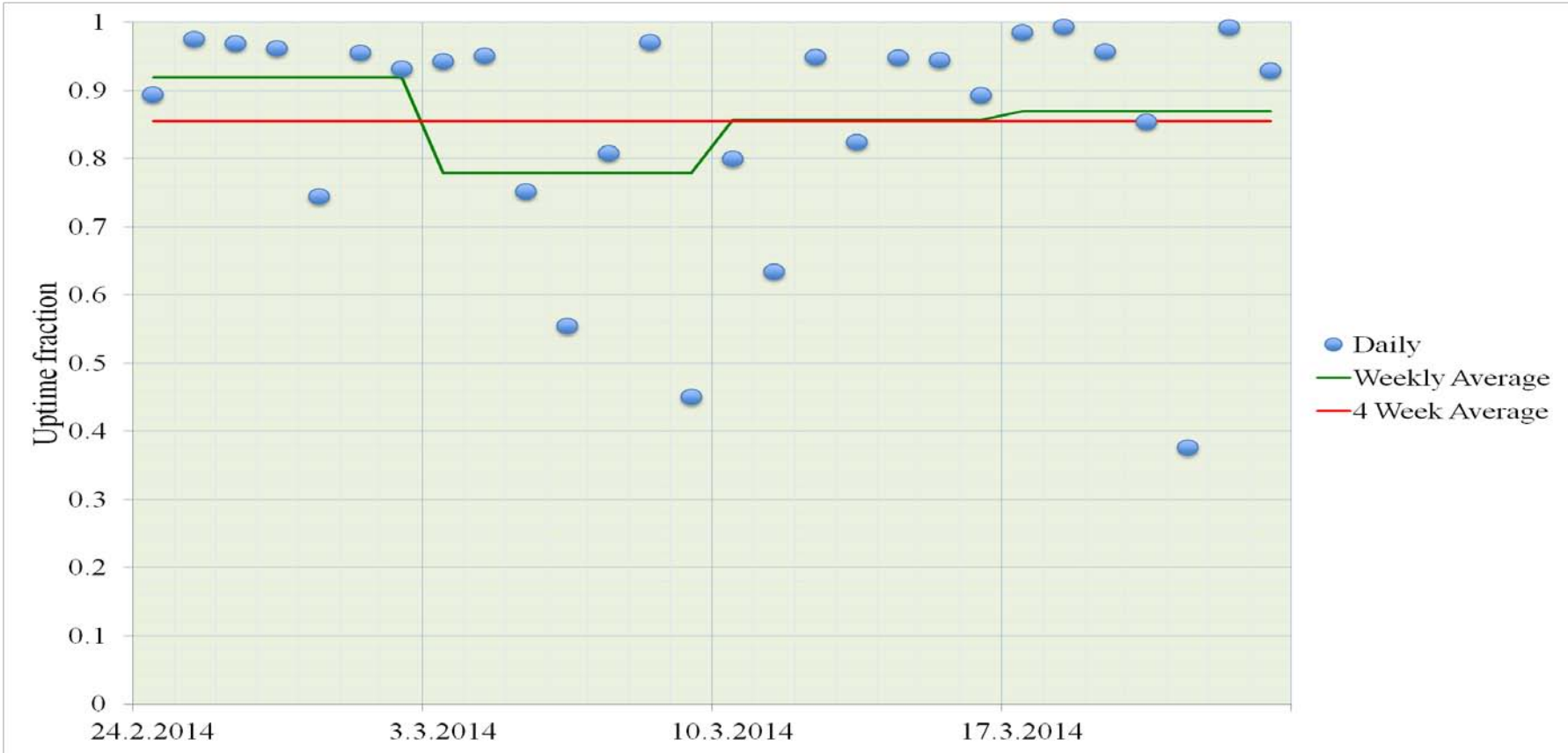


Partition 2 – Diblocks 5,6,7, 8(11 dcms)
Diblocks 5, 6, 7 cooled APDs
Installation of new APDs on DB 9

Partition 1 – diblocks 1,2,3,4
Running >99% active, cooled APDs
HV at full gain values

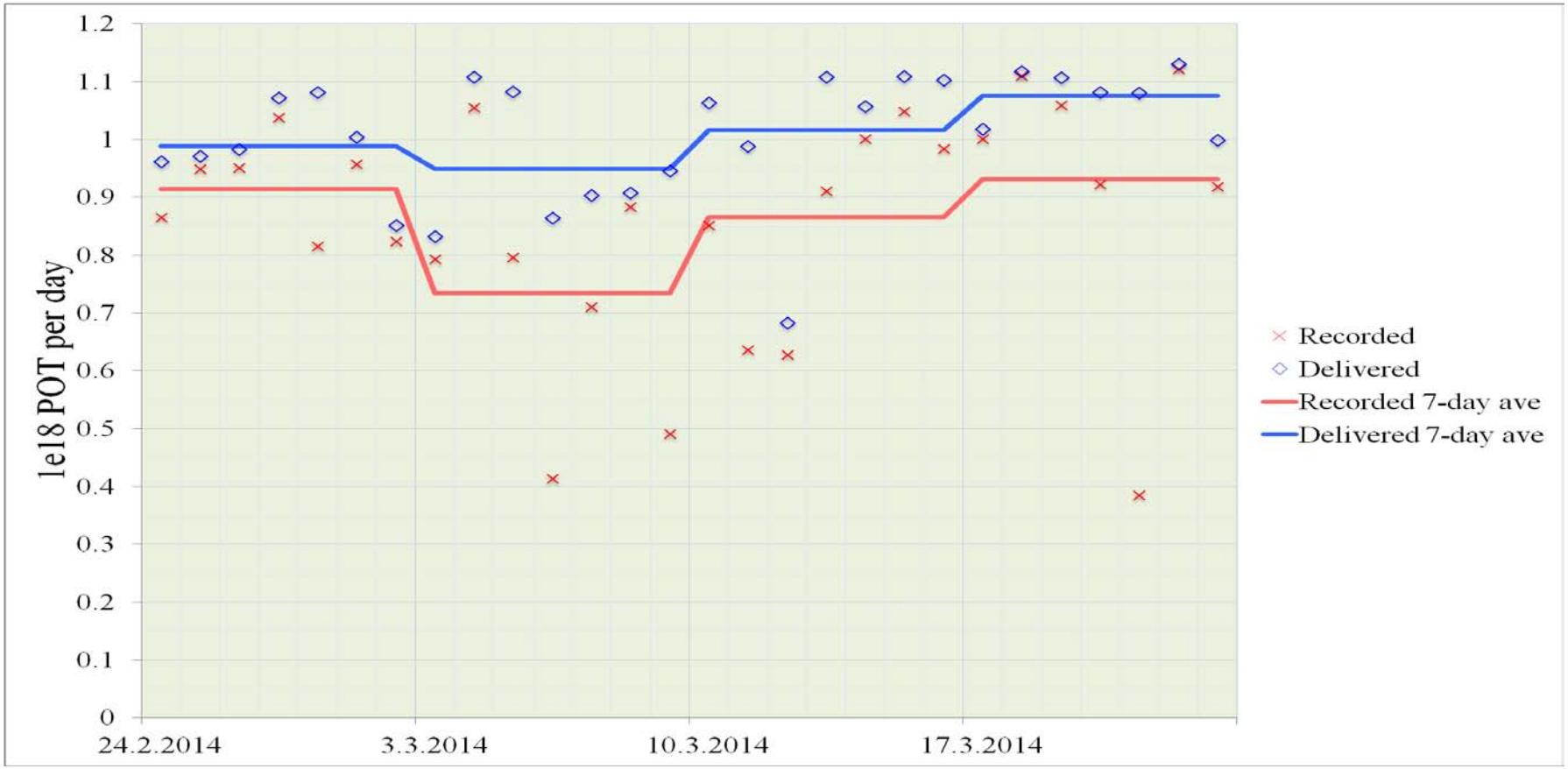
Partition 3 – running diblocks 10-12 (Front End Boards only)

FD: DAQ Uptime



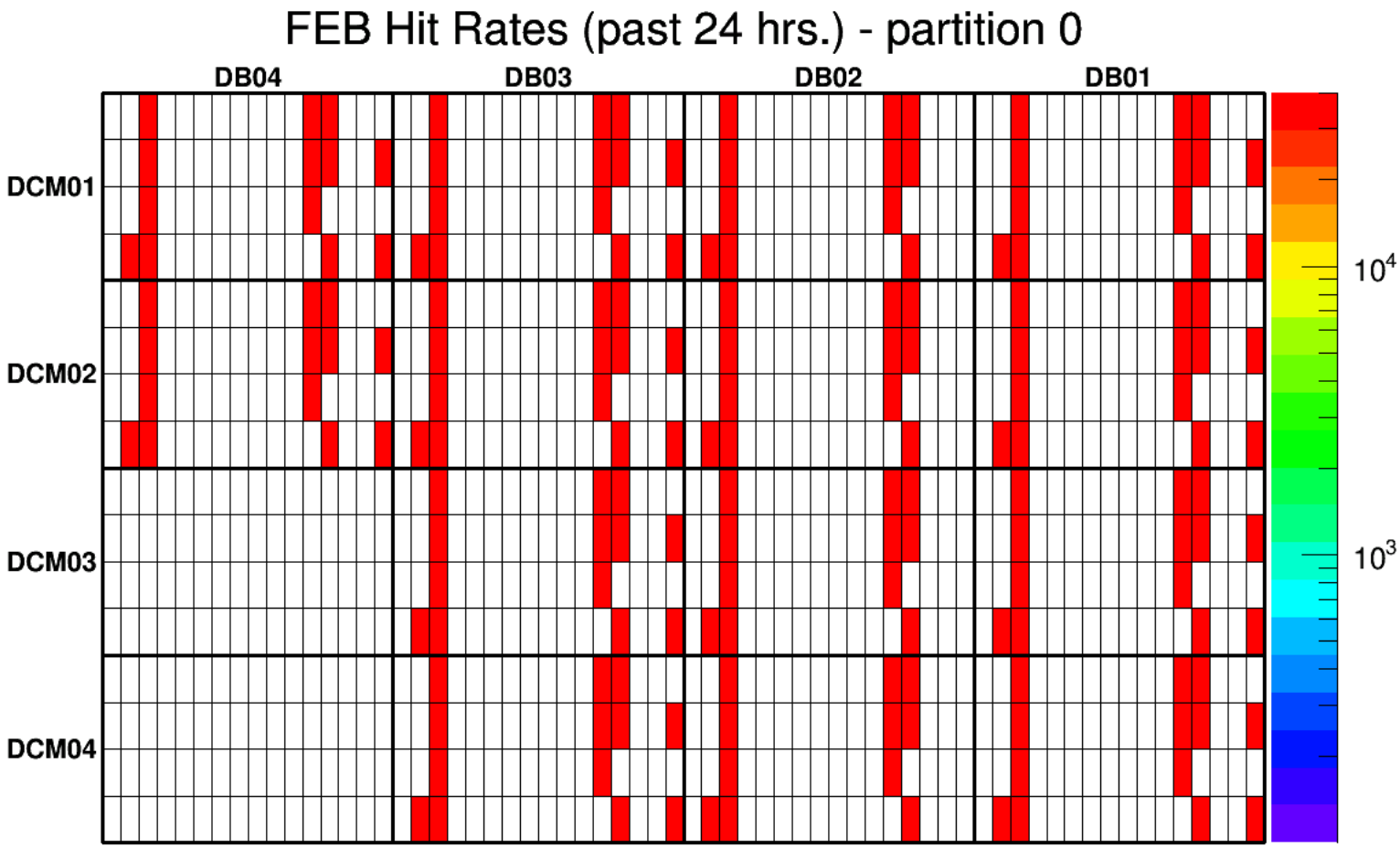
- Plot for past 4 weeks.
- Averaging about 86% and ~ 87% in past week (3 days at 99% eff).
- Thu/Fri: recovery from the Ash River power glitch, some DAQ and DCS nodes did not boot properly, it took a long time to find out what exactly happened.

FD: POTs delivered/recorded



- Plot for past 4 weeks, both delivered and recorded went up last week.
- Except of affects from Ash River power glitch very good last week.
- We recorded in average 0.93 e18 pots/day with 87% efficiency.

NearDet: Data-Taking



NearDet – **running in the Pattern mode.**

Summary

FarDet:

- 16 of 28 blocks of FarDet fully-instrumented, running with full gain mode.
- 3 Partitions are running.
- 4 diblocks are in 'Physics' partition, i.e. 29% of FarDet.
- The full recovery from Thursday's power glitch at Ash River site took a long time, loosing 15 hours of data.

NearDet:

- Running in the Pattern mode.
- Continued with oil filling – 35% full.
- First batch of FEB5 is installed on μ-catcher modules.