NOvA Experiment Status
All Experimenter's Meeting

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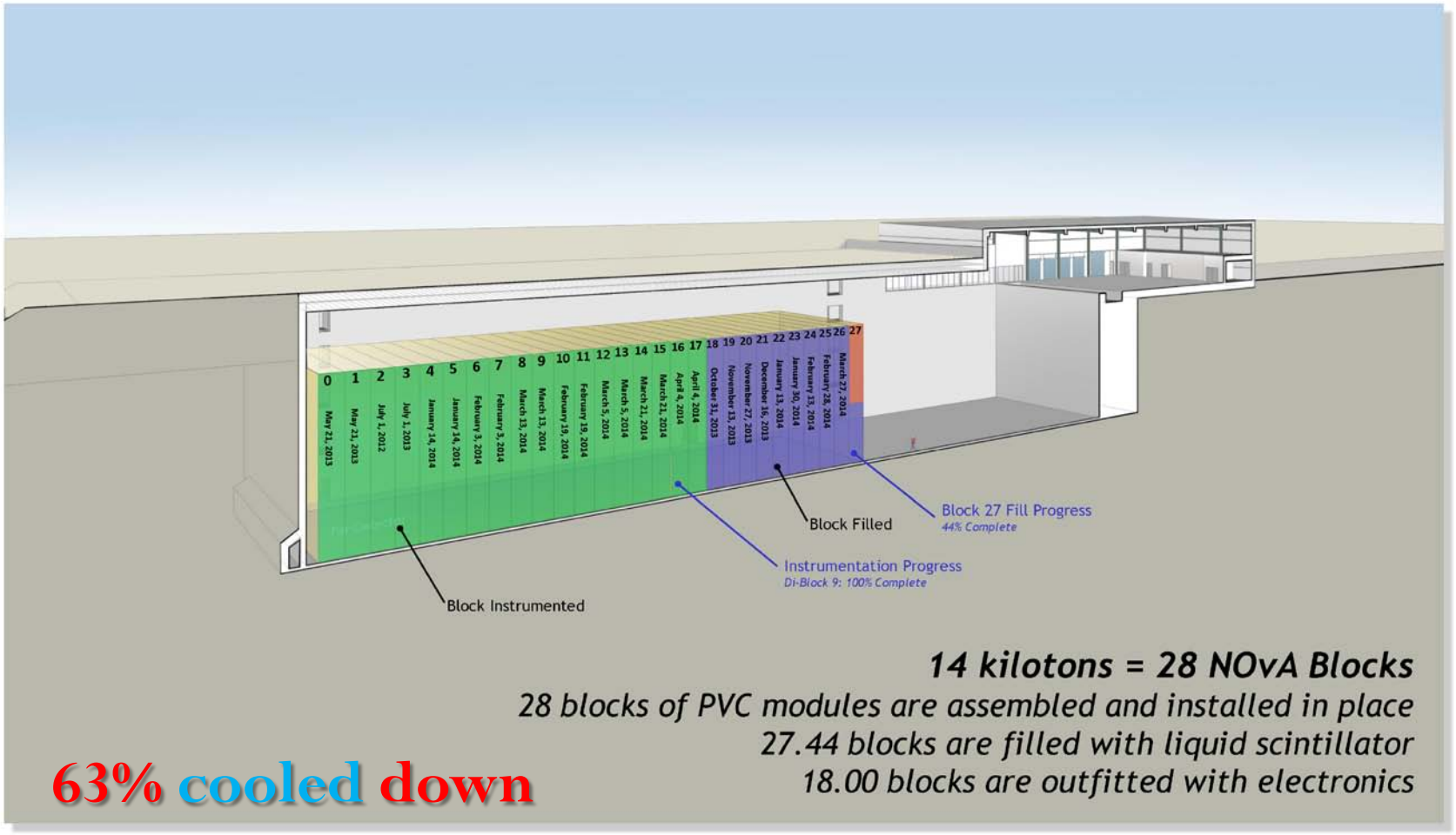
FD: Detector Assembly Progress

The Intensity Frontier

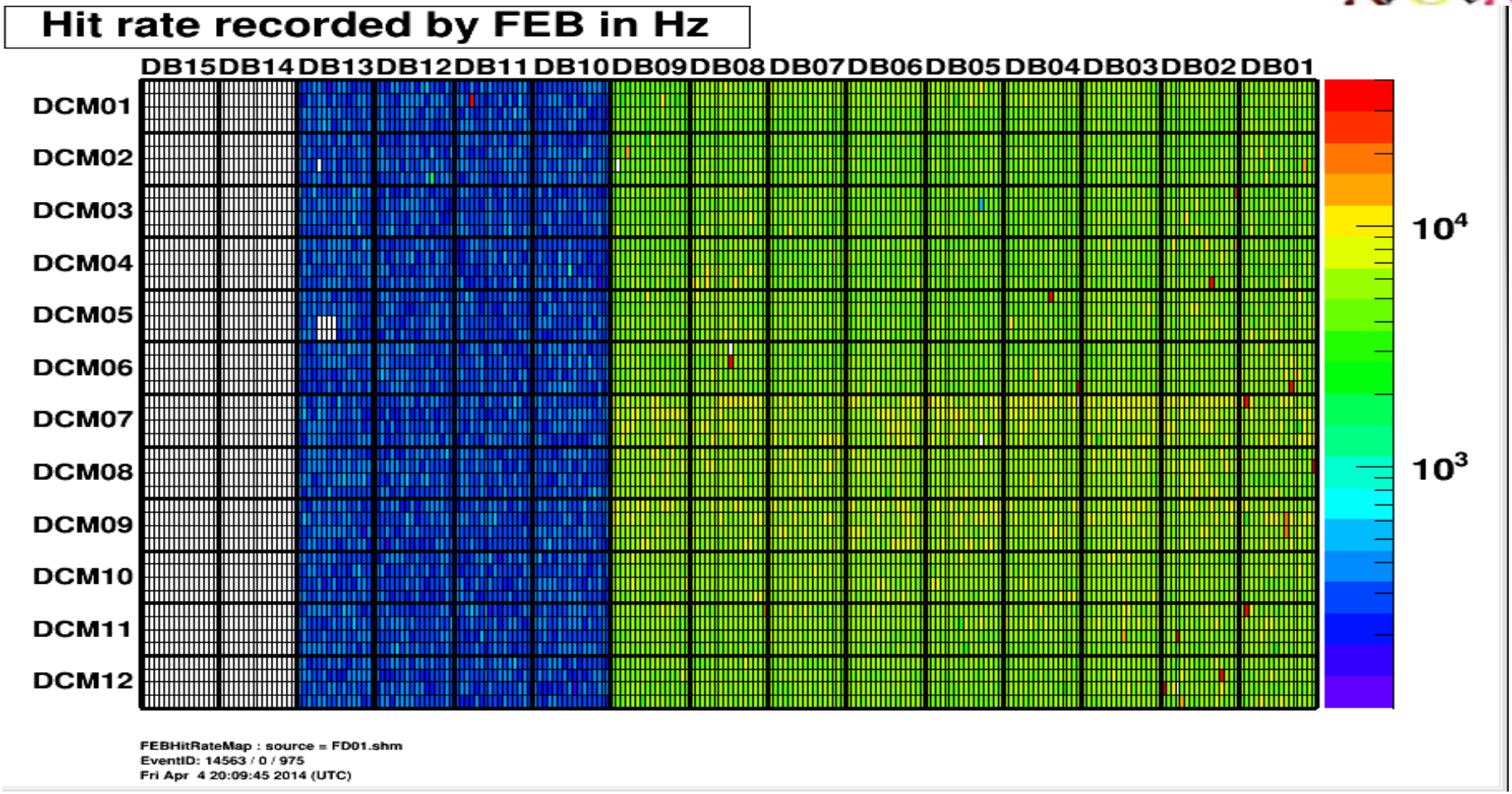
NOvA Far Detector Assembly Progress

Status Date: 07APR14



63% cooled down

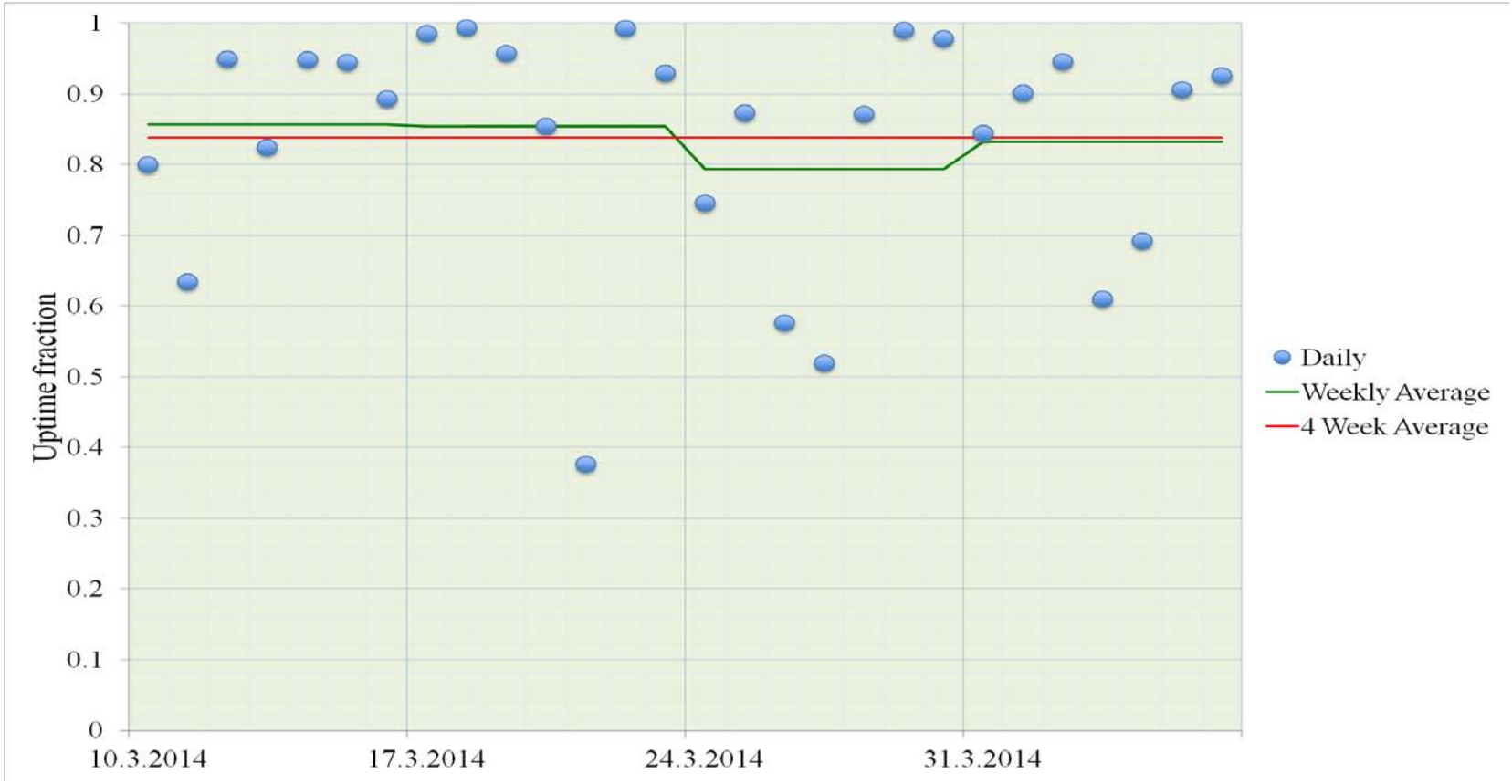
FarDet: Data-Taking



'Big' Partition: all 3 partitions together – diblocks 1 thru 13, diblocks 1 thru 9 cooled down (!) plus APDless diblocks

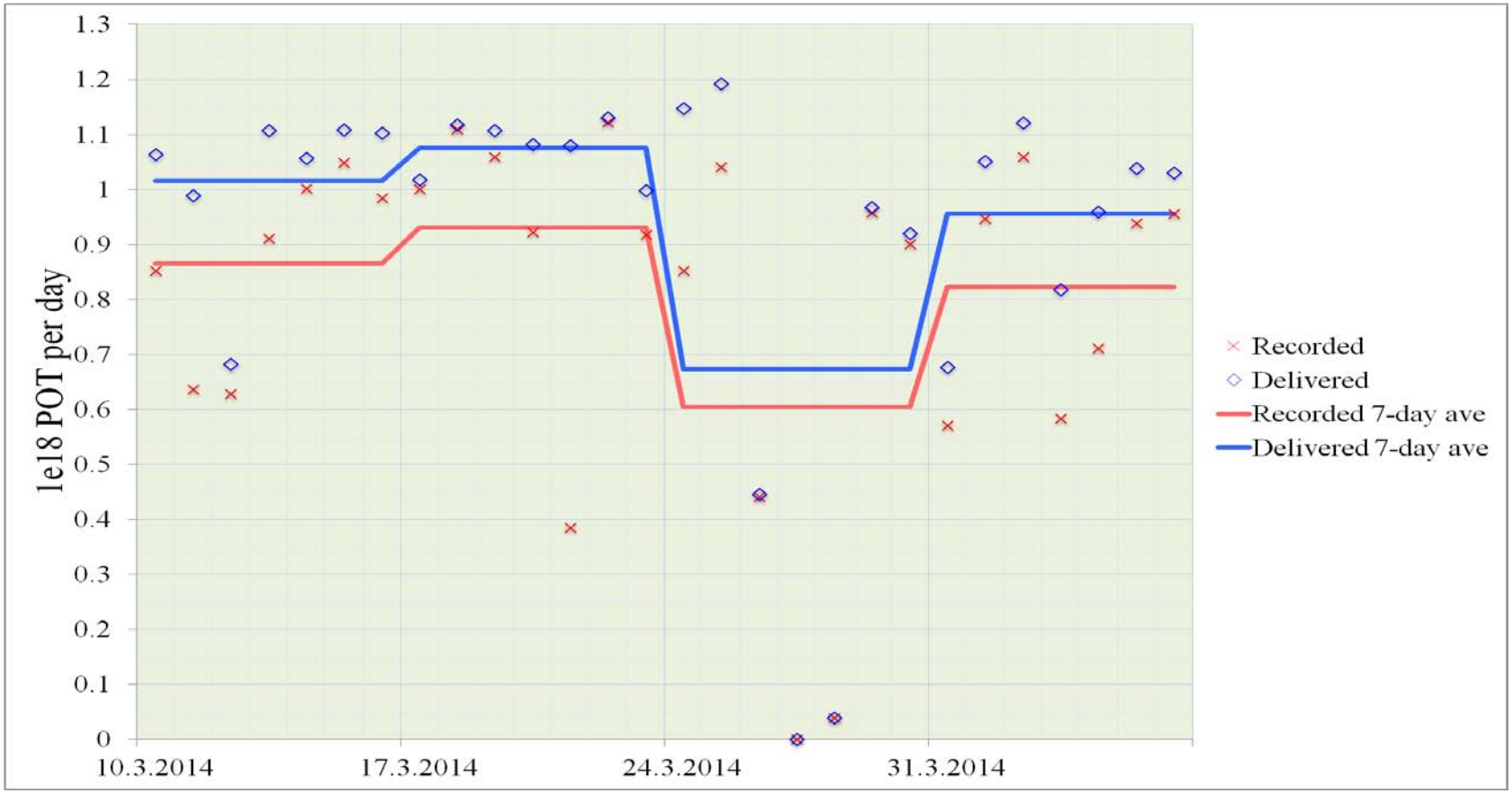
→ Stable running over weekend.

FD: DAQ Uptime



- Plot for past 4 weeks.
- Averaging about 84% and ~ 84% in past week.
- Interlock test for cooling diblocks 8 and 9 following another issues on Thu.
- DAQ expert work to setup 'big' – 13 diblocks partition on Fri, cooling issues.

FD: POTs delivered/recorded



- Plot for past 4 weeks, beam back.
- We recorded in average 0.82 e18 pots/day with 86% efficiency.
- Efficiency well correlated to DAQ downtimes on Thu & Fri.

Summary

- Collaboration meeting last week at FNAL.

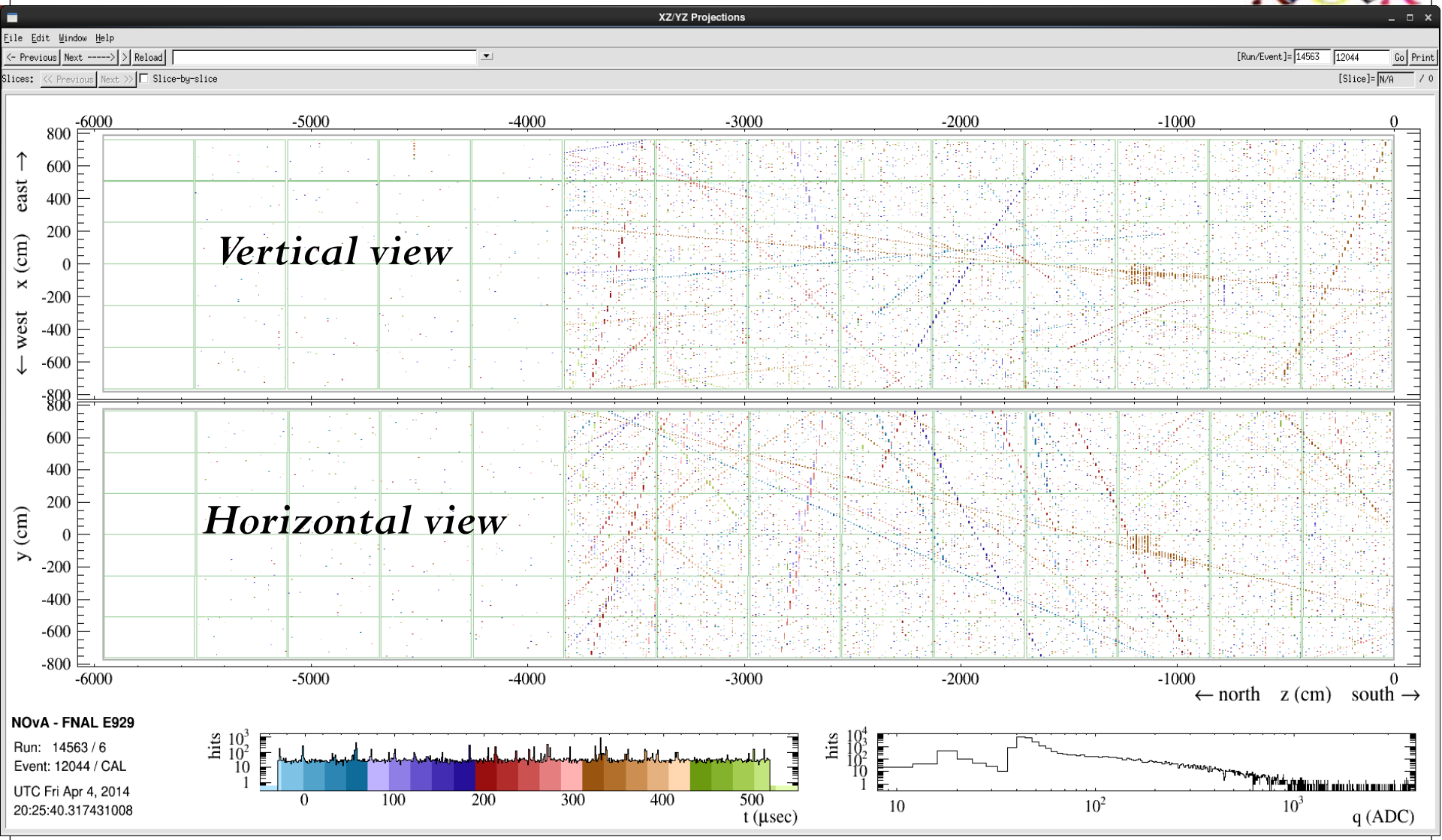
FarDet:

- 18 of 28 blocks of FarDet fully-instrumented, running with full gain mode, more than 27 blocks oil filled.
- 9 of 14 diblocks successfully cooled down.
- Over weekend running with one 'big' 13-diblock partition.
- Efficiency of beam recording correlated with DAQ down times due to cooling and DAQ tests and preparations.

NearDet:

- Many DCS and DAQ subsystems installed and checked.
- Continued with oil filling – 68% full.
- 63 FEB5 were installed on μ-catcher modules, expecting >330 this week (enough for half of ND).

“40-meter” long track in Event Display



Partition - 13 diblocks! Running 10Hz of trigger