NOvA Experiment Status
All Experimenter's Meeting

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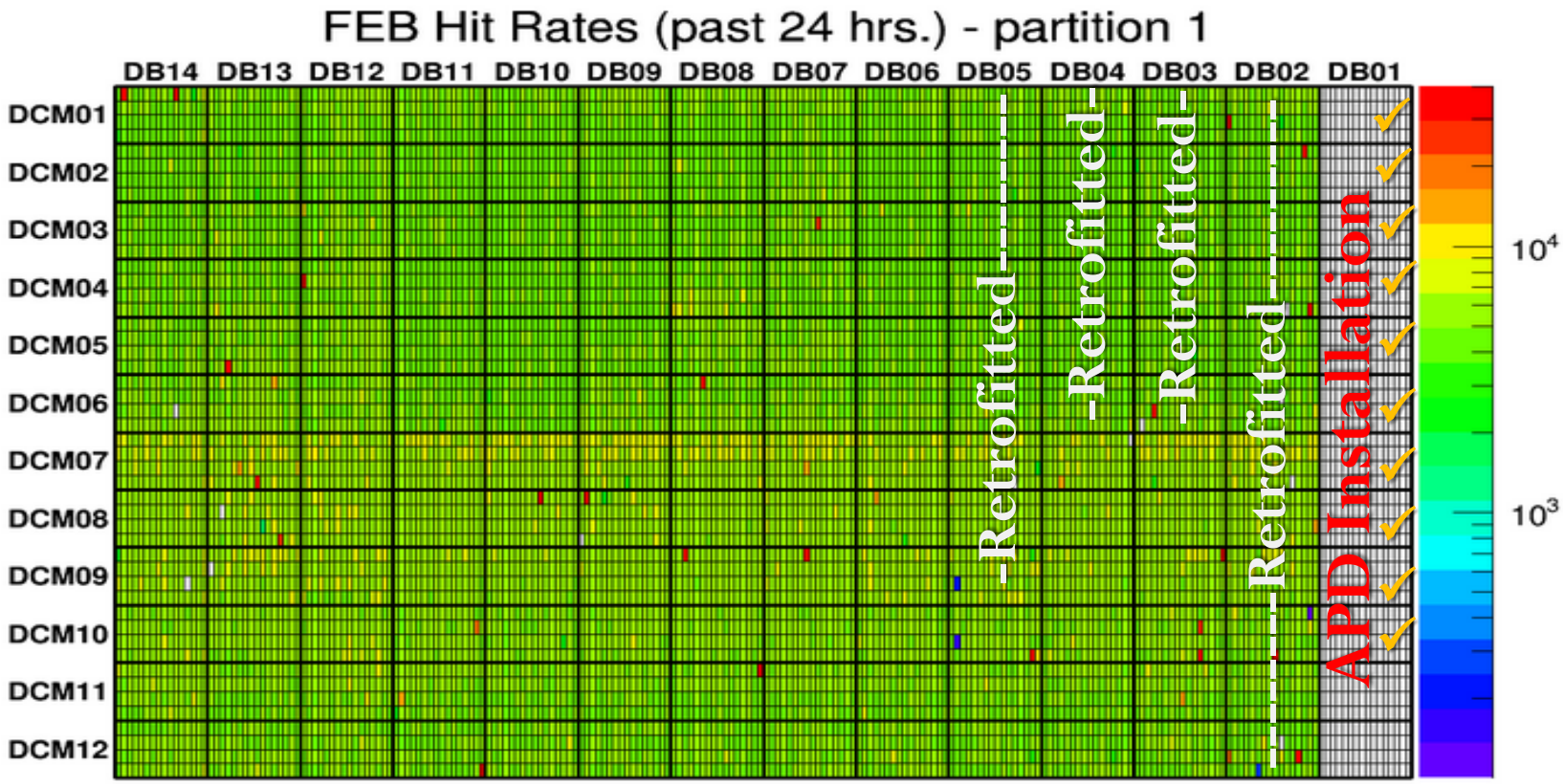
Operations I – summary

- **BEAM:**
  - Beam intensity stabilized, better than last week, Tue beam down
- **NearDet:**
  - It is up and running as cool, with full HV.
  - The timing issue solved, we can see nice timing peak.
  - ✓ Problem with controlling valve for water chiller temperature.
- **FarDet:**
  - It is up and running.
  - Physics (cosmics) 13-diblocks running.
  - Retrofitting is spread over through only last few dcms.
  - Today maintenance day – tightening of Dry Gas system.
  - Over weekend many issues with DAQ, focusing to find the culprit and stabilize DAQ, all others updates stopped now.
- **Control Room:**
  - ✓ ok

FarDet: Data-Taking



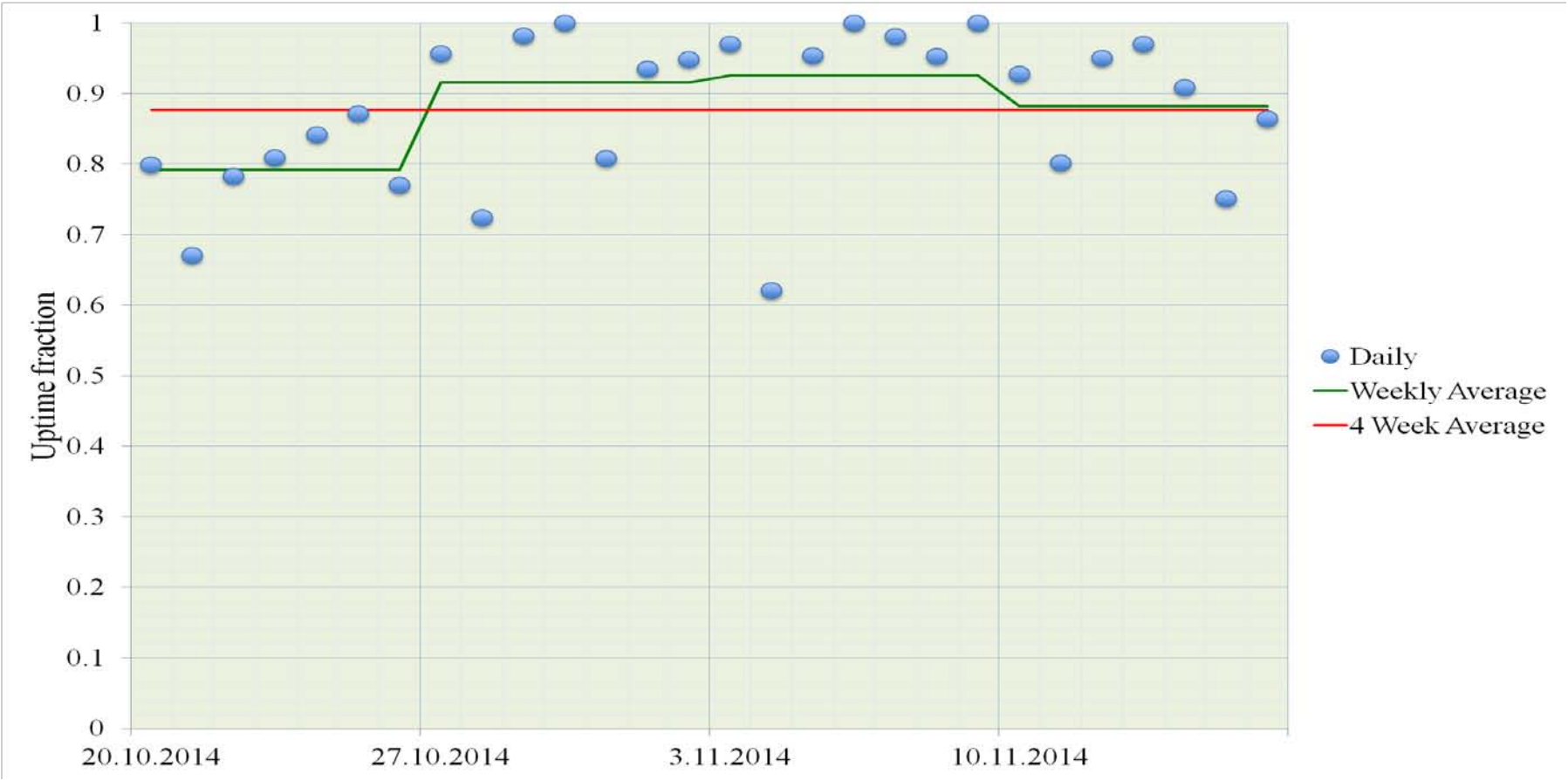
Partition 1 (status last week)

- diblocks 2 – 14
- Running ~99% active,
- ALL COOLED, HV at full gain.

Current status - Retrofitting:

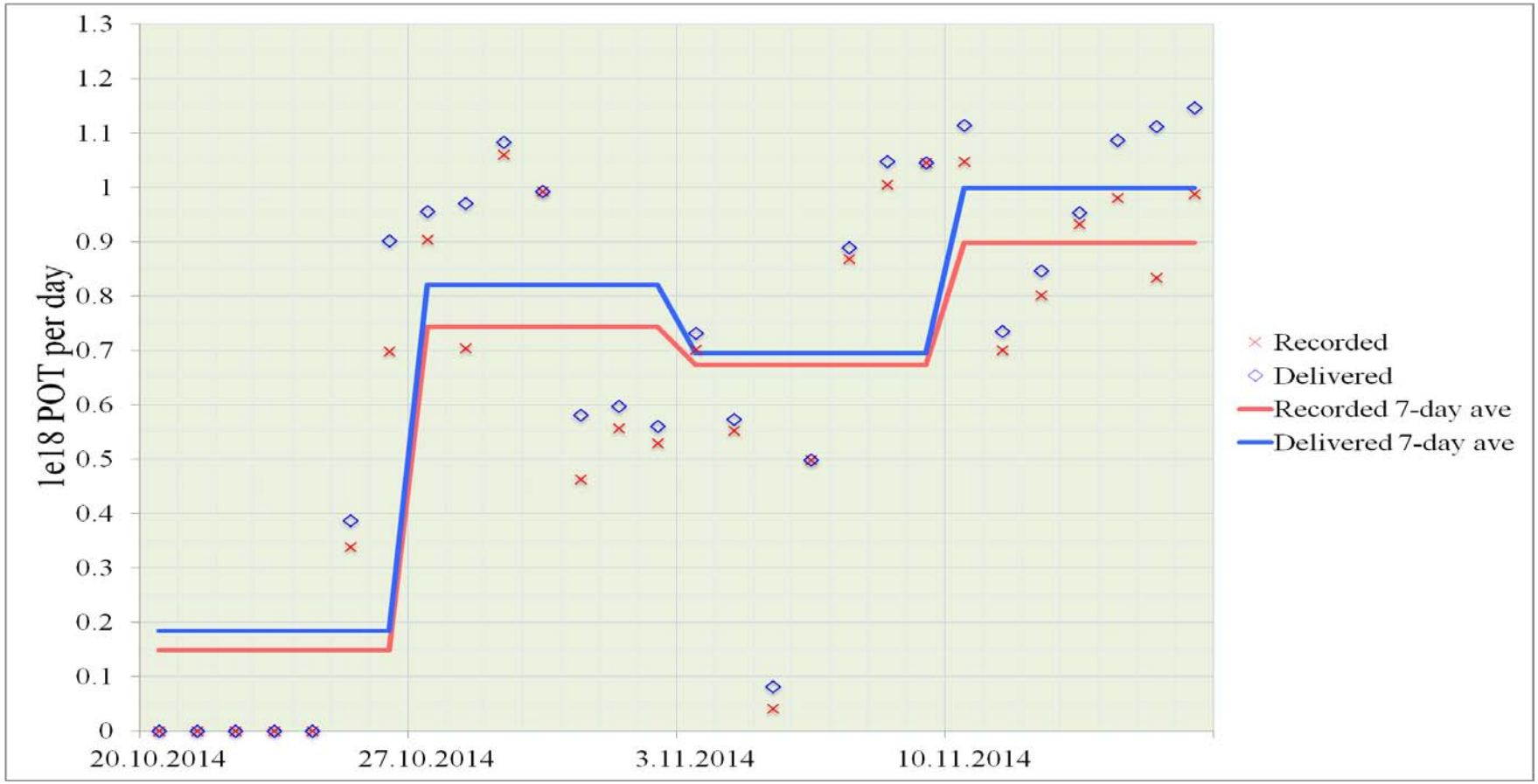
- Retrofit: ALL OLD APDs & brass fittings away!
- Already retrofitted DiB-{04,05,03,02}.
- New APDs missing on only 2 dcms!
- Hopefully we will have installed all APDs this week and next week we might check out them.

FD: DAQ Uptime



- Last week running with 88.2% DAQ uptime, worse week – many small DAQ crashes.
- On Tue the maintenance day during the beam shutdown.
- Since Fri we faced too many small (< 1 h) crashes due to some instabilities of DAQ,
- Searching for culprit and found some indication in memory leak of Ganglia (monitoring) applications running on the buffer farm nodes, more investigation follow

FD: POTs delivered/recorded



- Past weak efficiency only 90.0% ← DAQ downtime issues during weekend.
- We recorded 6.3e18 (from 7.0) POTs for past weak, increasing numbers!
- Tue beam shutdown, efficiently used for the maintenance.
- Almost half of lost POTs related to these small DAQ issues on Sat.