

NOvA Experiment Status

All Experimenters' Meeting

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Operations I – summary



□ BEAM:

- Beam for NOvA is **BACK**. We concentrate for beam data.

□ NearDet:

- Running almost smoothly, one issue with configuration.
- Some noisy channels repaired.
- Discussion about new kind APD replacement started

□ FarDet:

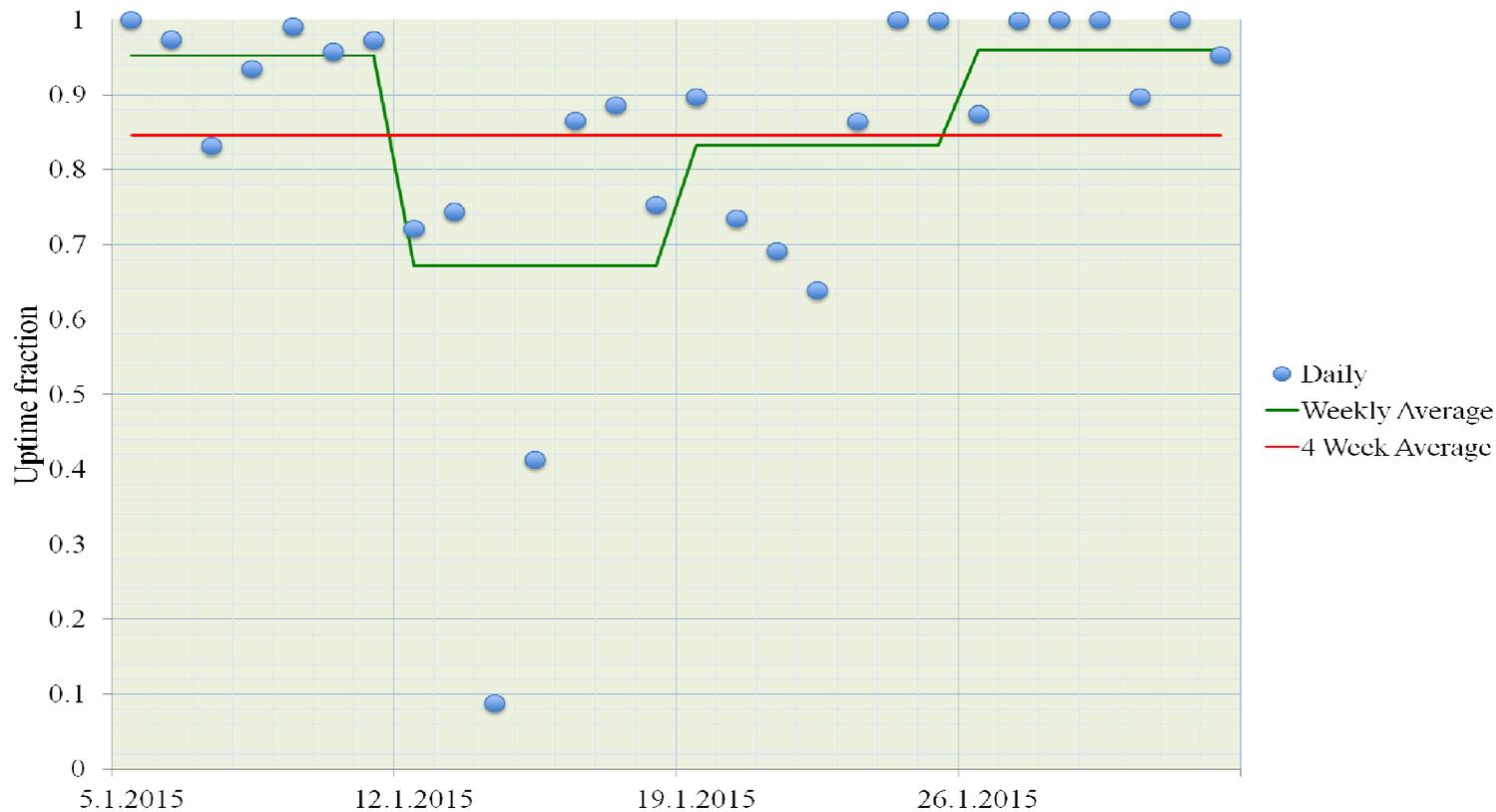
- Detector maintained and stabilized for taking beam data.
- Collaboration meeting last week – many discussions about future maintenance of detector and improvement on stability of DAQ, feedbacks from data quality group.

□ Control Room:

- ROC-west got the requested iFix monitoring (for Dry Gas sys).



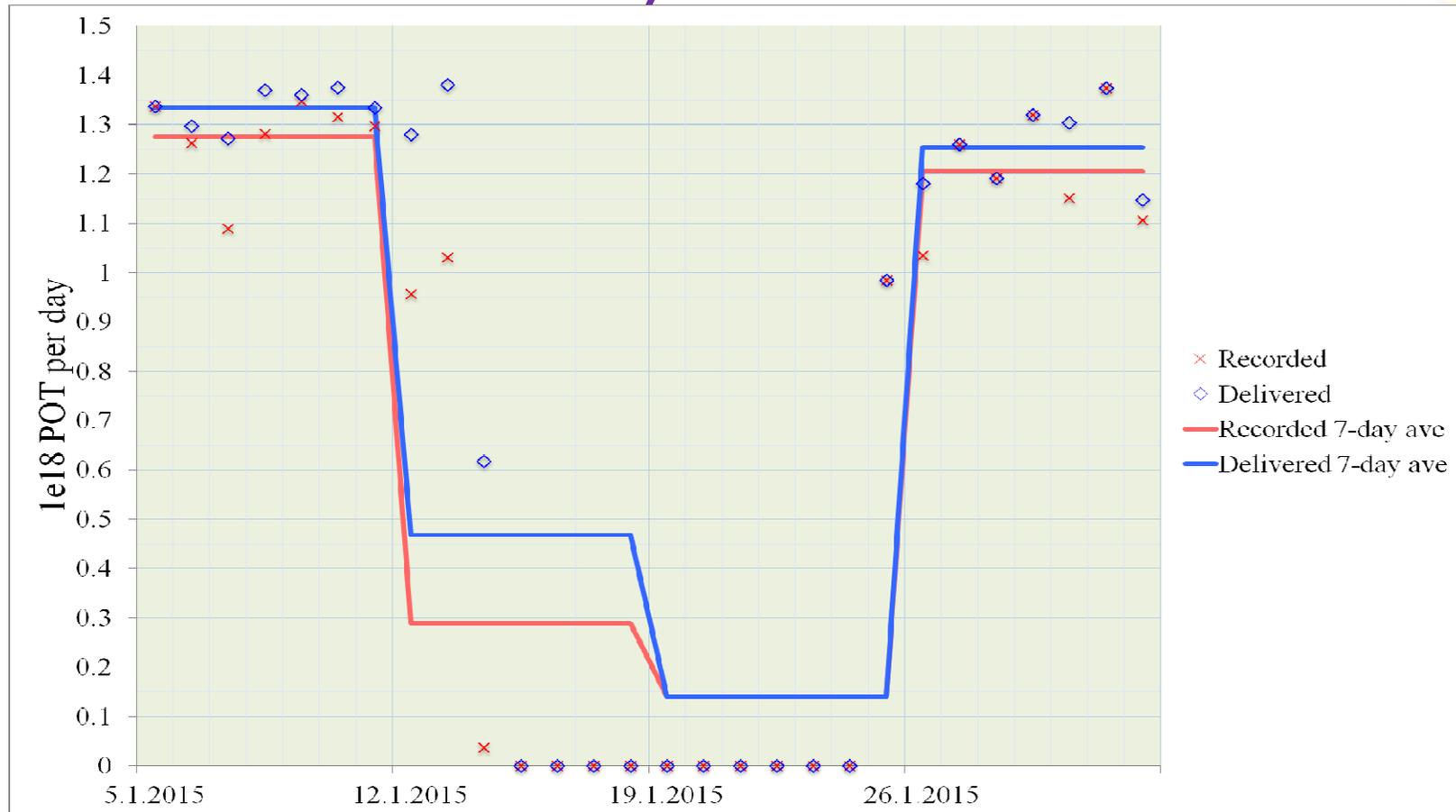
FD: Data taking Uptime



- Last week running uptimes 96.0%, slightly above long-term average.
- After 2 weeks of beam shutdown and substantial maintenance we reasonably improved detector and we concentrate to stabilize remained DAQ issues in next weeks as discussed on recent collaboration week (involved and trained more people).
- Most frequent (just 2-3 per week) issue is out-of-memory and/or i/o capability on buffer nodes, where are collected data before triggered and written down on disks.
- Already improved by the deployment of new, faster (CPU, net) buffer modes.

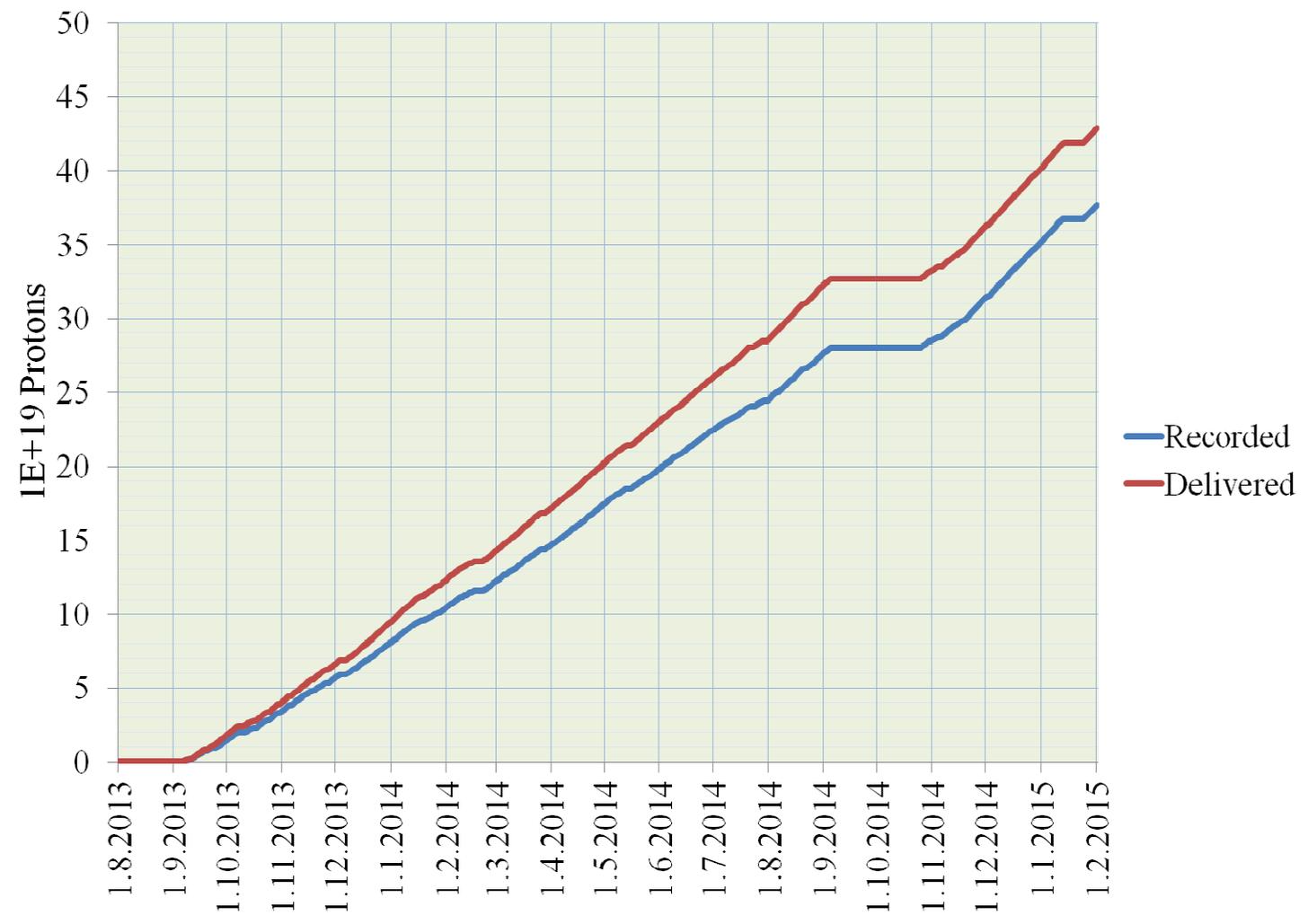


FD: POTs delivered/recorded



- Past week efficiency: 96.1%, above long-term efficiency.
- 4 of 7 days we took all beam spills.
- In general inefficiency corresponds to data taking downtimes.
- Plan is now take beam data as much possible without maintained detector, if not scheduled beam shutdown is planned.

FD: Accumulated POTs



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 96.5/102.4 e18 POTs (94.3%)