

NOvA Experiment Status

All Experimenter's Meeting

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Operations I – summary



□ BEAM:

- Beam for NOvA very good.

□ NearDet:

- Smooth running past week, only 2 hours down (1 due DSO)
- Next week we will maintain some noisier channels.

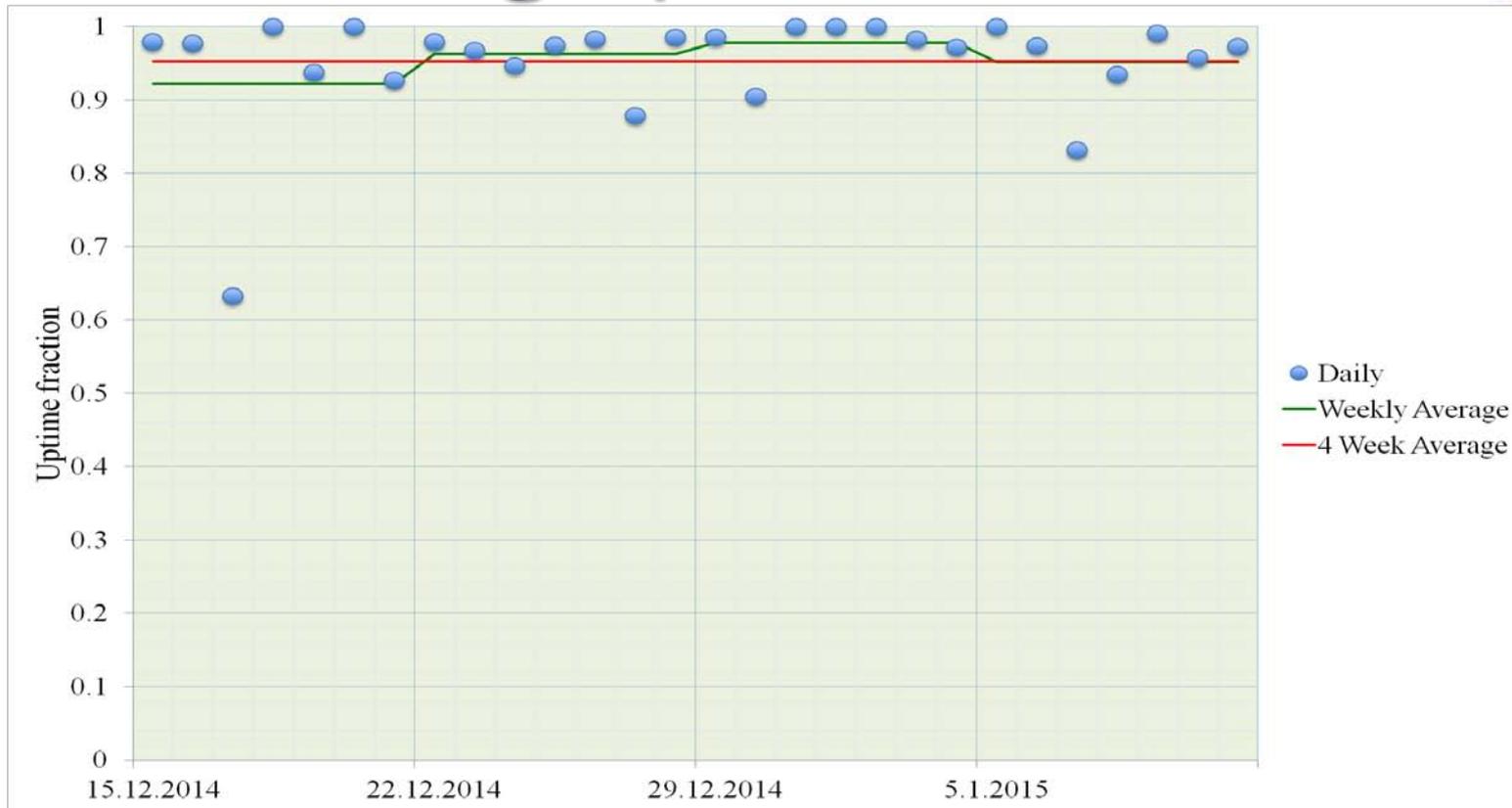
□ FarDet:

- Physics **with 14-diblocks** running **since Nov 20**.
- Still having DAQ short-term downtimes, trying to investigate as much as possible.
- The biggest concern now is stability of the Dry Gas system, we will maintain it, starting with ones having lowest pressure.

□ Control Room:

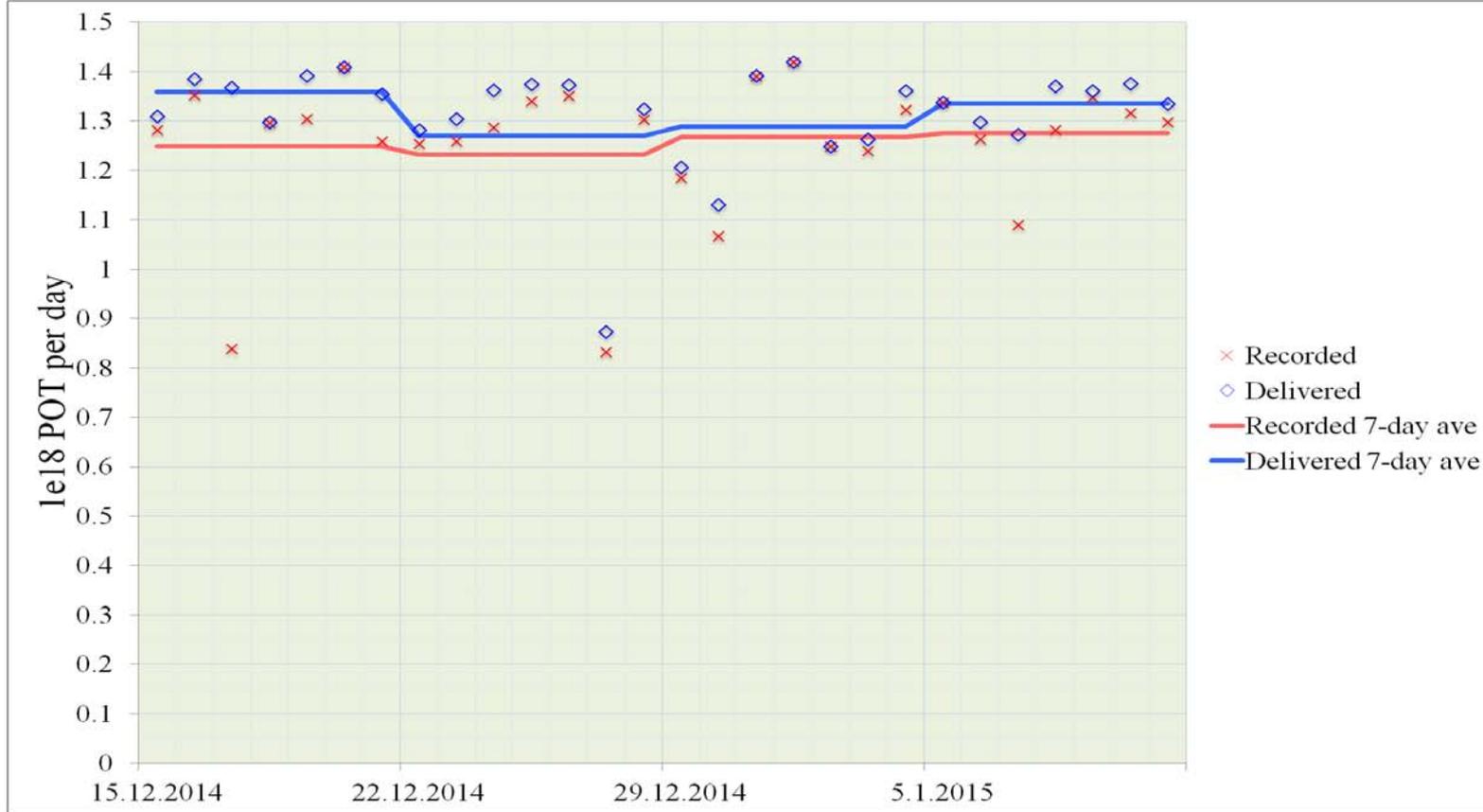
- ROC-west got the requested iFix monitoring (for Dry Gas sys).

FD: Data taking Uptime



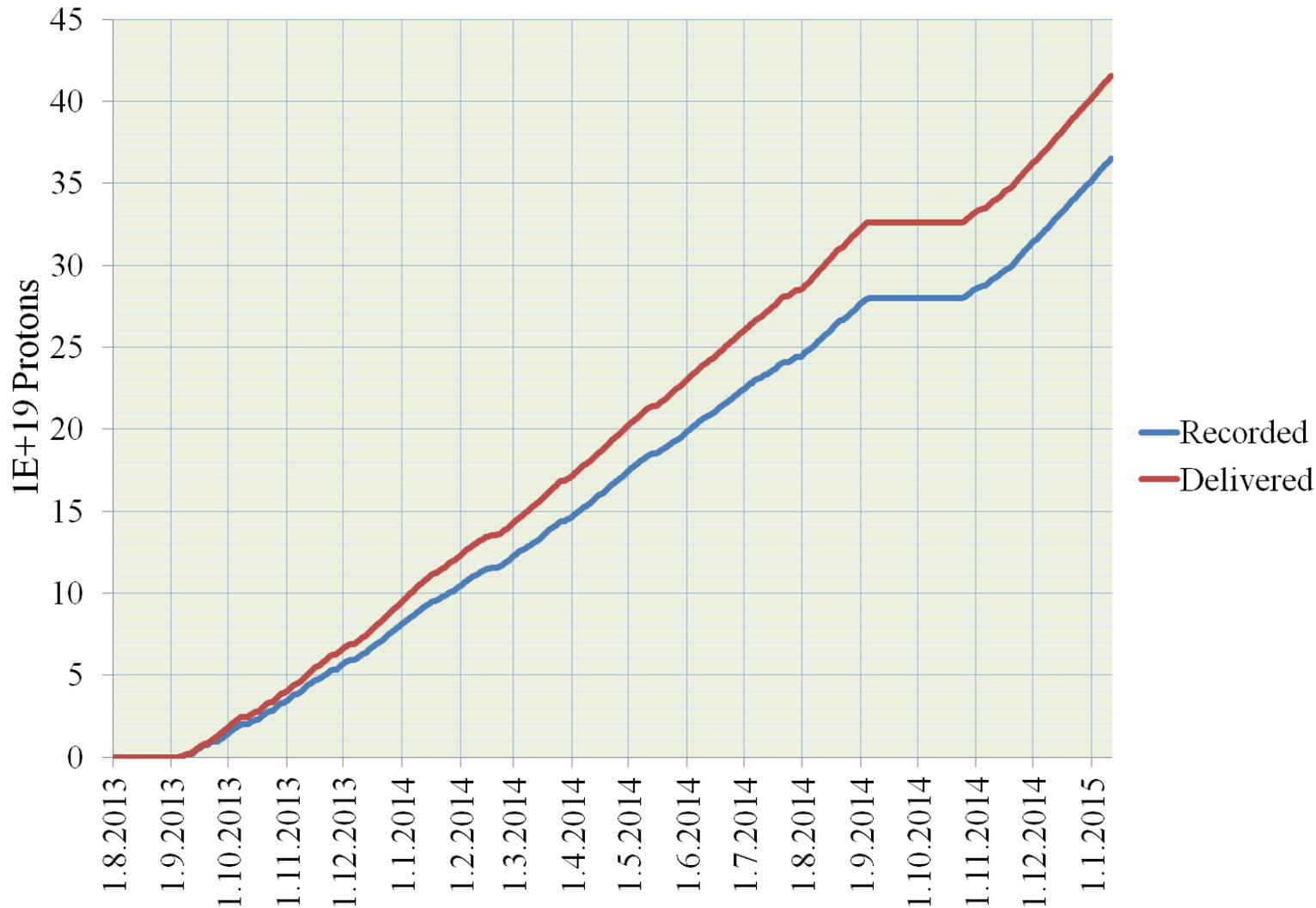
- Last week running uptimes 95.2% - lower than week before at long-term average.
- We had no main/serious issue this week. All are related to some DAQ instabilities we have been trying to eliminate for several past weeks, perhaps one kind gone.
- Usually a Run Control recovery from such crashes takes about half an hour.
- The worst downtime on Wed was at night when more issues piled up, including a shifter communication delay (additional two 1-hour issues through the day).

FD: POTs delivered/recorded



- Past week efficiency: 95.5%, lower than week ago, still above long-term efficiency .
- Anyway we recorded largest amount of POTs per week at all $8.93e+18$ (of 9.34)!
- In general inefficiency corresponds to data taking downtimes.
- We really wait for the scheduled beam shutdown in the next week for maintenance day, we need to check the Dry Gas systems and possibly to replace some electronics.

FD: Accumulated POTs



➤ 2013/14: 280/326 e18 POTs + 2014/15: 85.1/89.3 e18 POTs (95.3%)