

NOvA Experiment Status

All Experimenter's Meeting

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Operations – Summary



BEAM:

- Seen slip stacking toward 400kW. Prepared for tomorrow maintenance due to the scheduled beam shutdown.

NearDet:

- Only small issues with short downtimes.
- Good performance last week, some DAQ improvements.

FarDet:

- Over-temperature issue solved by the replacing of the HVAC pump and temperature pretty stabilized at low values.
- Only small issues occurred.
- Changing the DDT configuration yielded into better stability on the buffer nodes by eliminating of OOM.

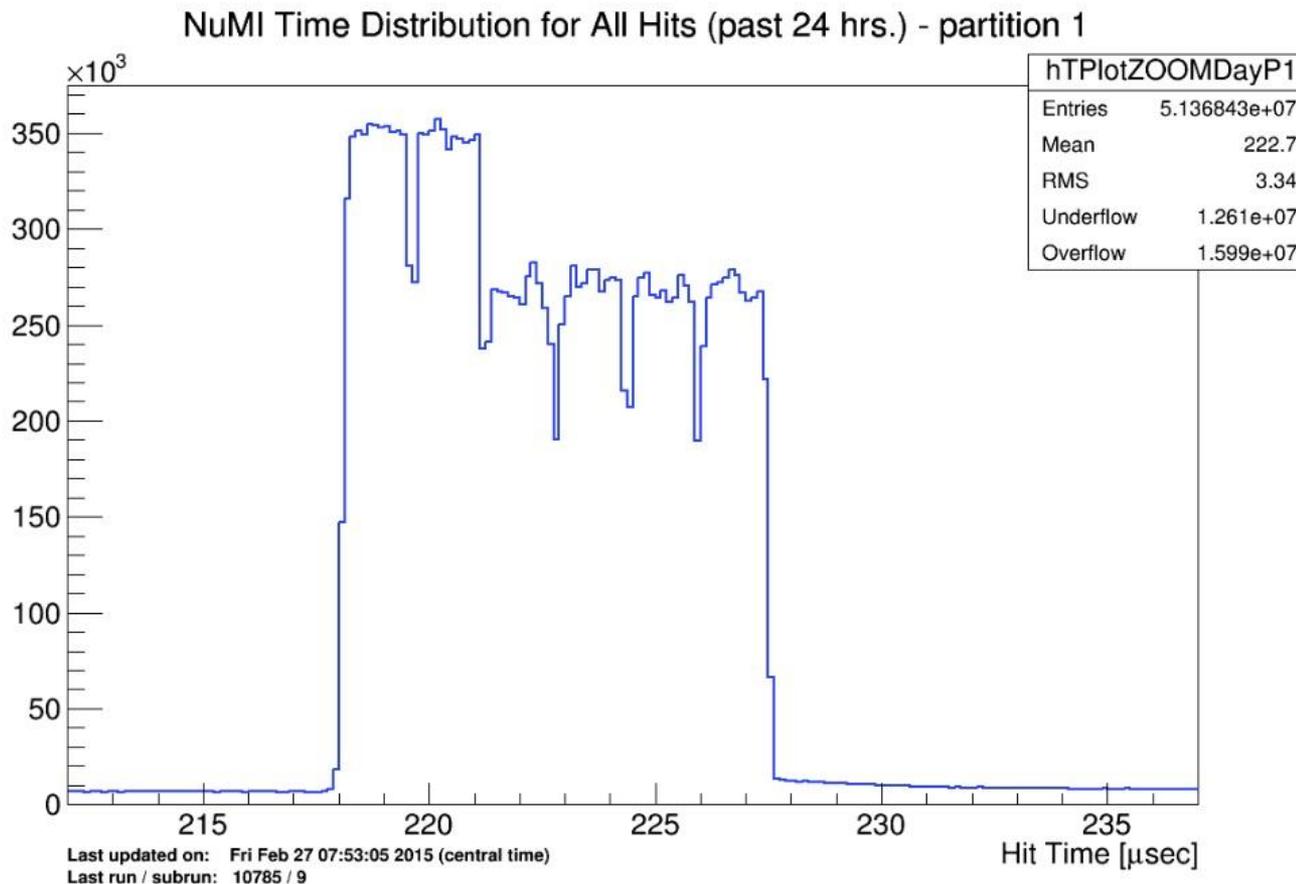
Control Room(s): ok

Operations – Slip Stack Cycles

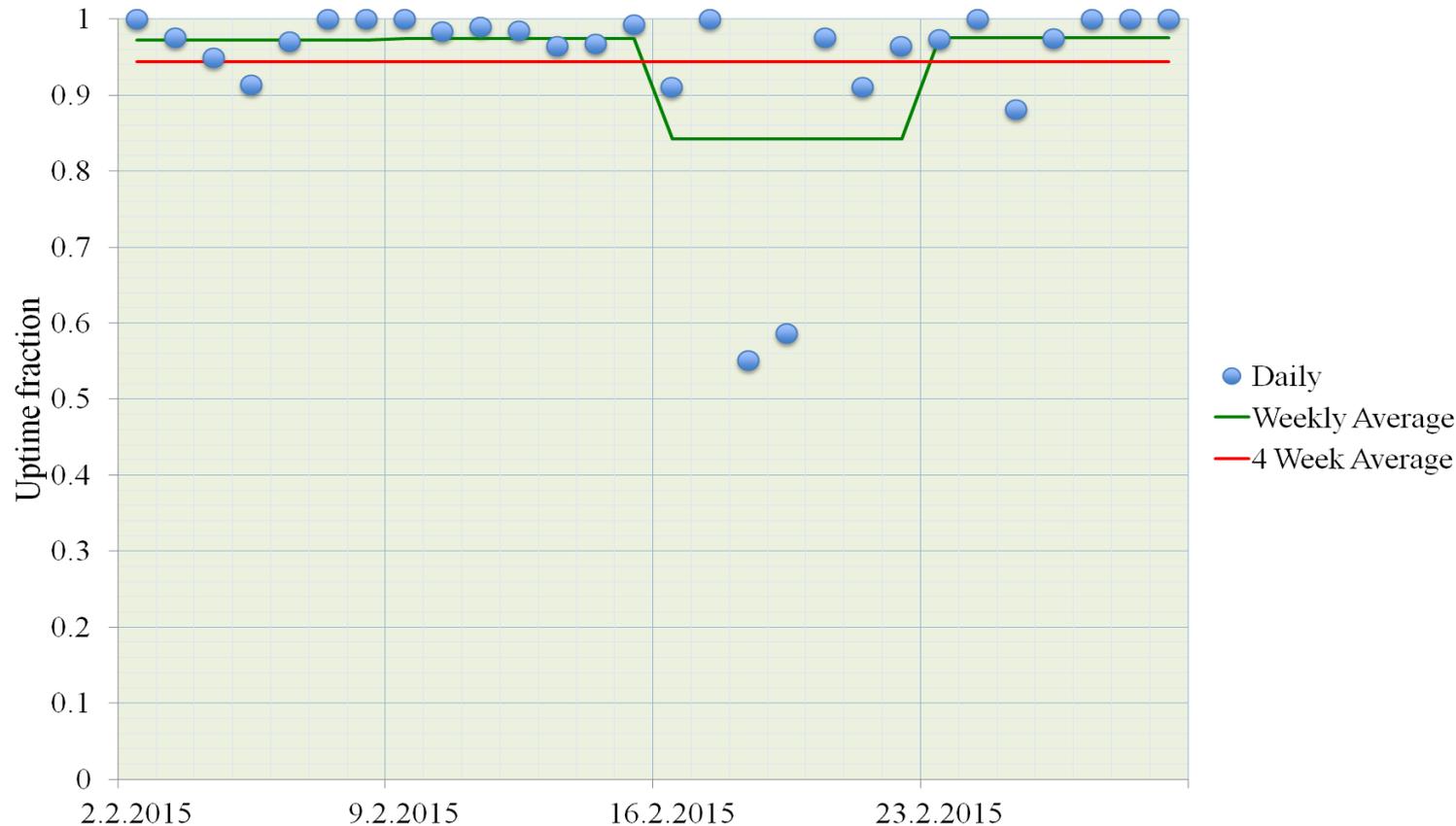


□ Near Detector registered this ‘anomaly’:

- During Thu/Fri we could see slip stacking in the accumulated POTs over 24 hour plots.

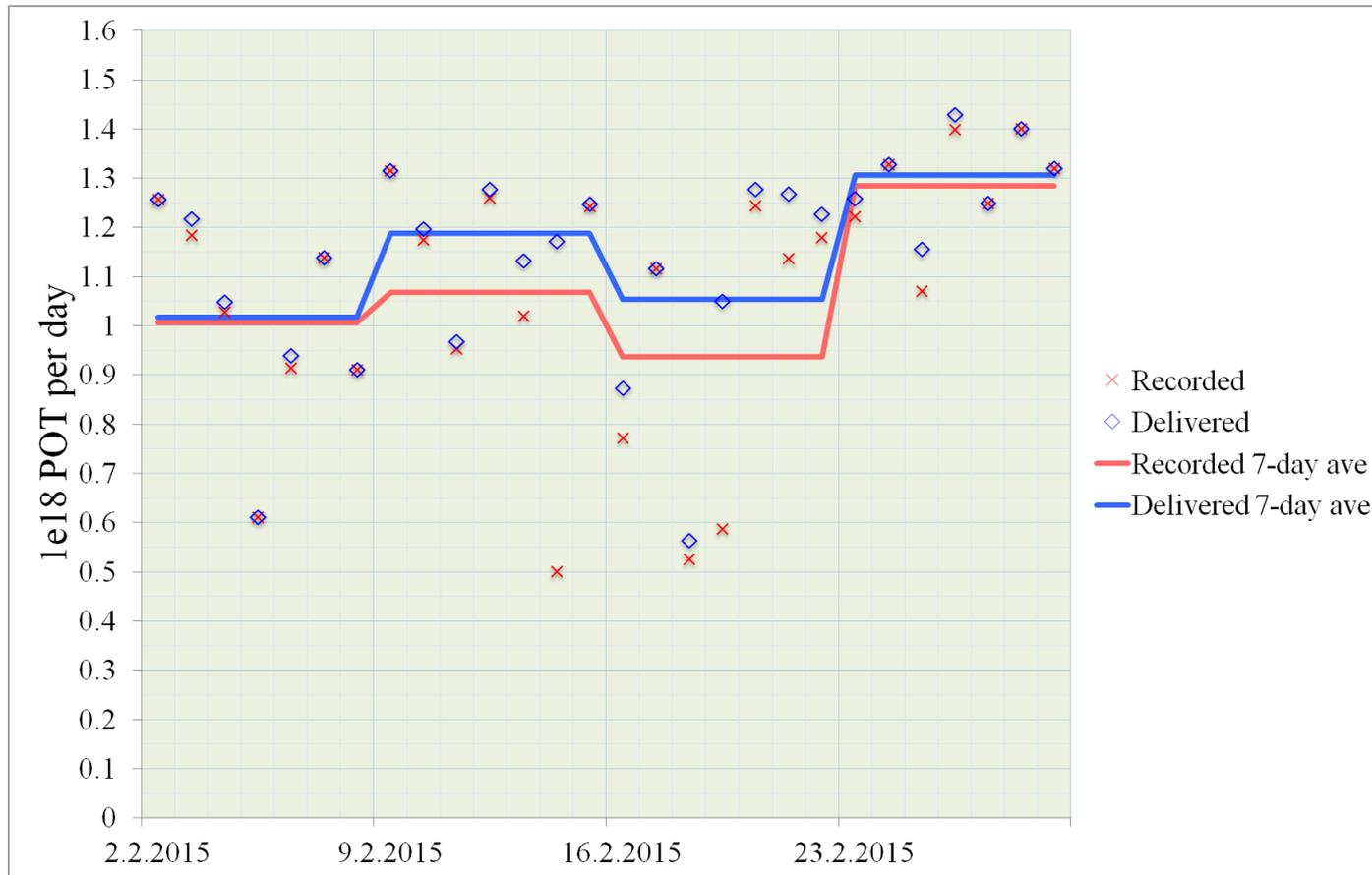


FD: Data taking Uptime



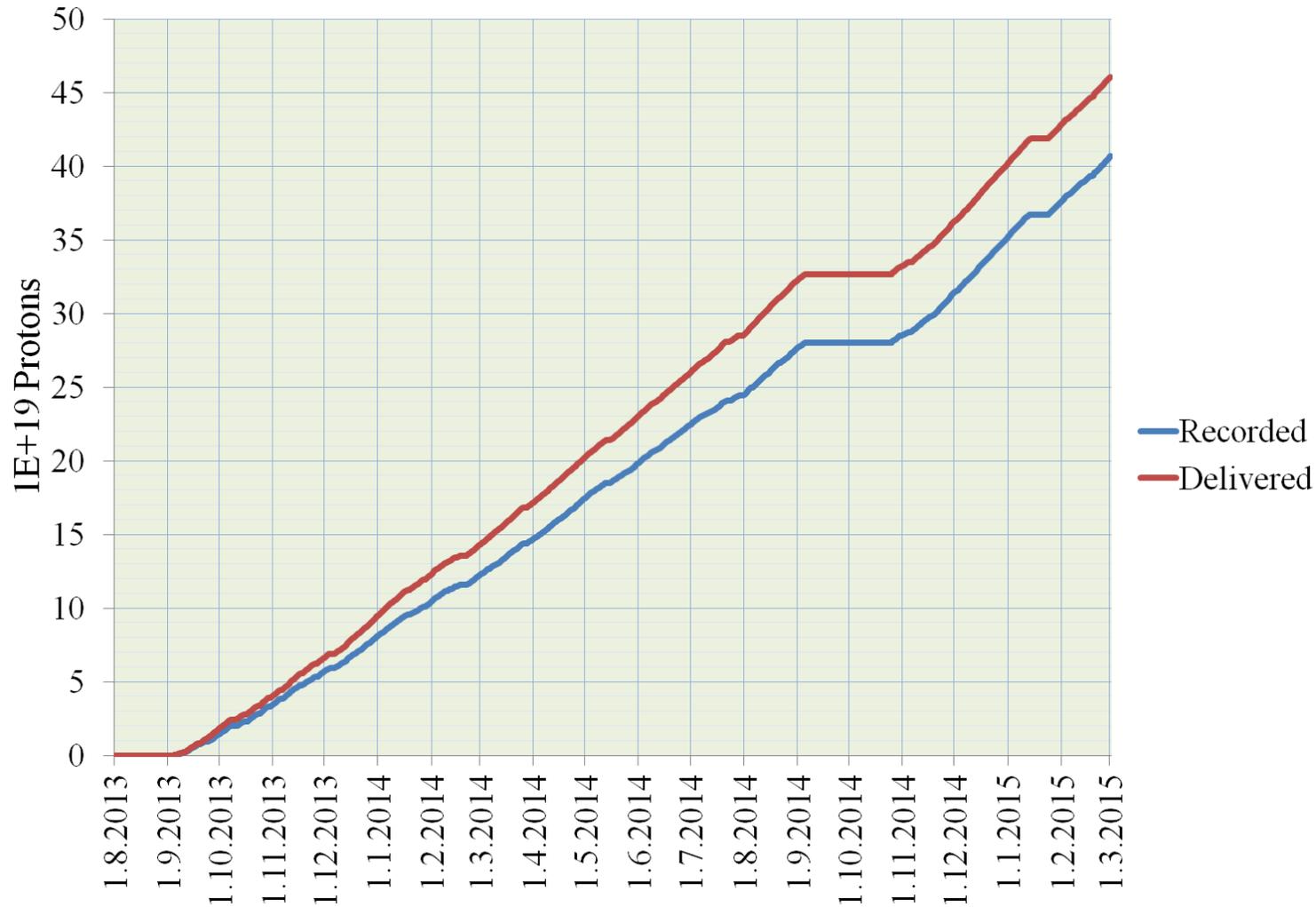
- Last week running uptime efficiency very good at 97.6%, in total of 4 hours down.
- Only small DAQ issues, promptly solved by shifters or experts.
- The biggest downtime due to the test of new DDT configuration when beam was down for a hour on Wed, we lost about one hour of beam after, but yielded to better stability on the buffer nodes had suffered from some memory leaks.

FD: POTs delivered/recorded



- Past week efficiency was very good 98.3%, (8.99 of 9.14 e18 POTs). This is the highest weekly number of POTs which we ever recorded at Ash River!
- 50% of losses due to adoption of new DDT configuration on Wed.
- Now we are running 110 hours without data taking interruptions at Far site.

FD: Accumulated POTs



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 126.6/134.3 e18 POTs (94.3%)