

NOvA Experiment Status

All Experimenter's Meeting

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May 11, 2015

Operations – Summary



BEAM:

- Slip stacking 2+6 continues with higher intensity (>420 kW).

NearDet:

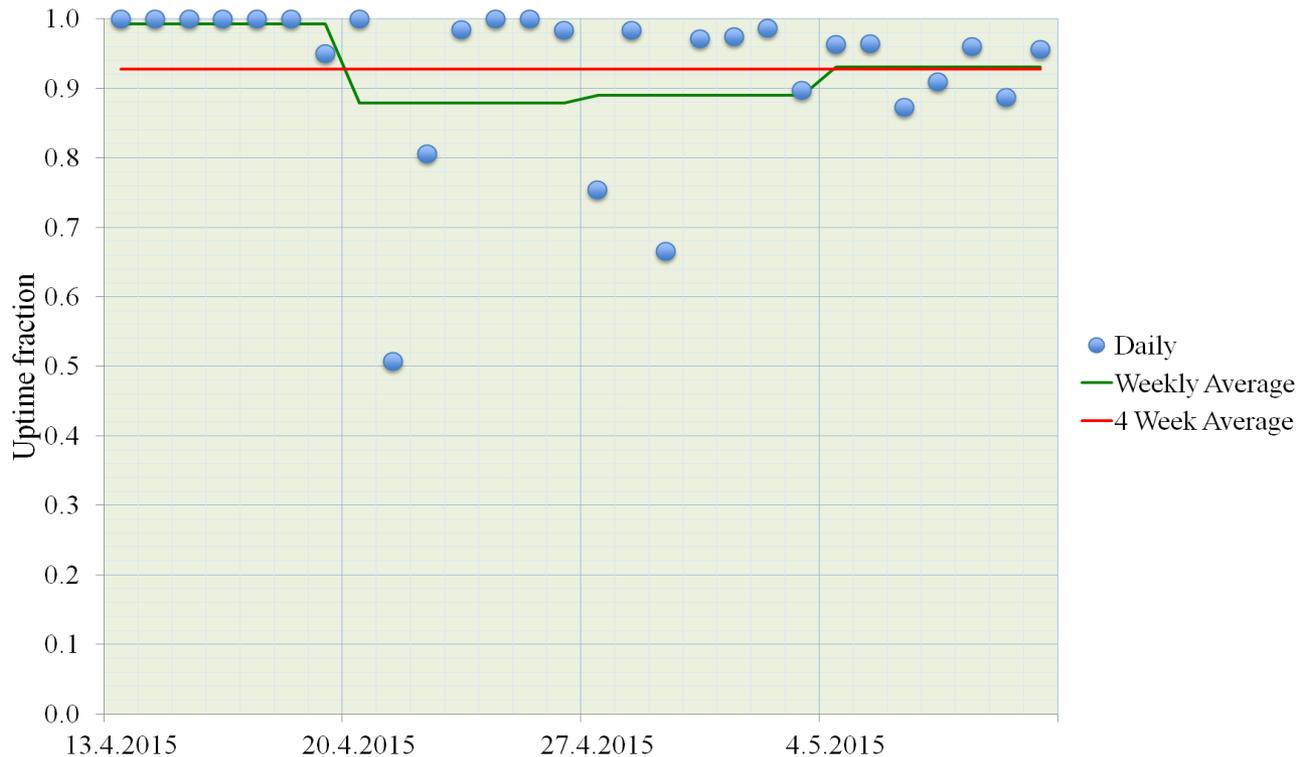
- UPS DAQ software issue.

FarDet:

- DAQ issues – many short (<1 hour) DAQ downtimes.
- Some occurrence mysteriously repeated.
- APD temperature monitoring system issue after dcm failure.
- Problem with air conditioning at Ash River stabilized, discussion on a backup system started.

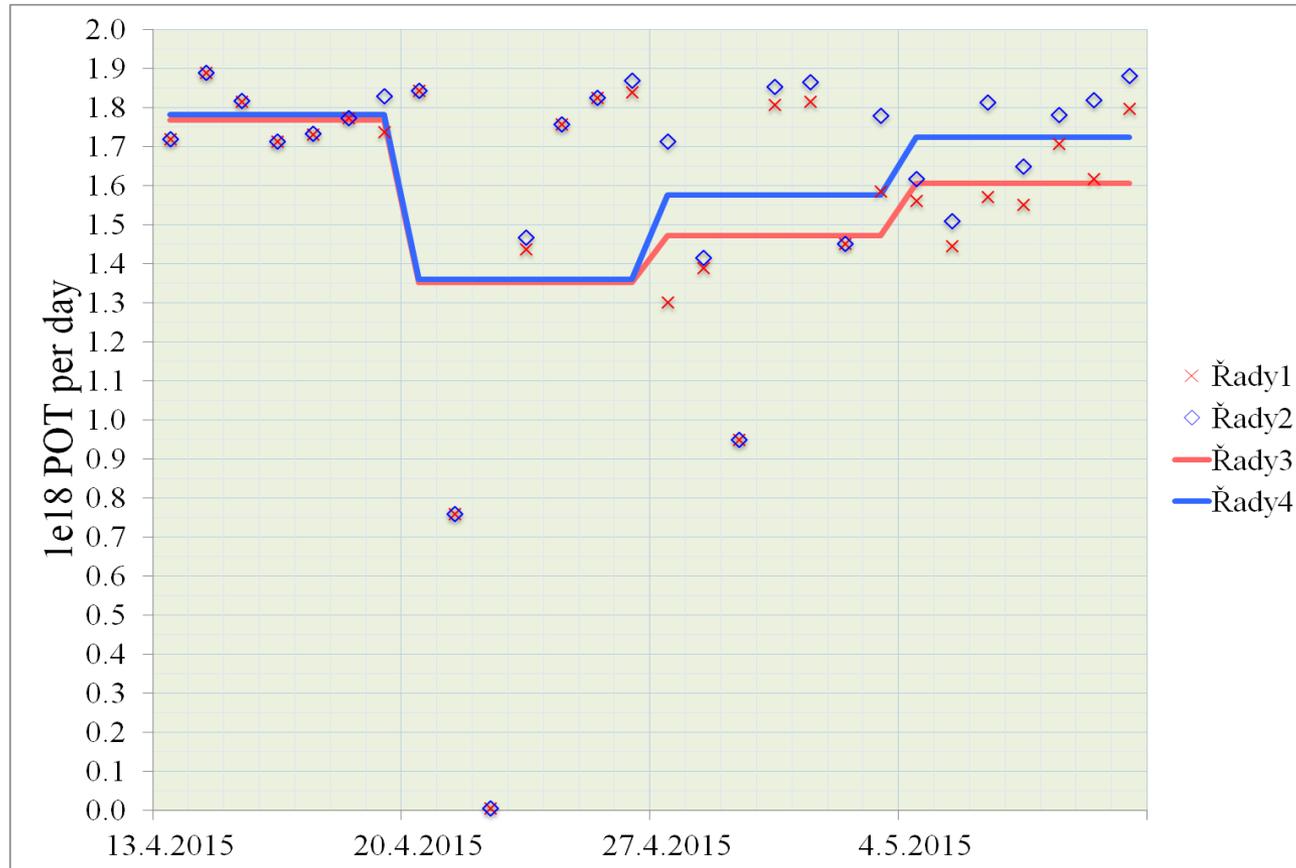
Control Room(s): We used only 1 shifter on duty even if in one of the remote control rooms.

FD: Data taking Uptime



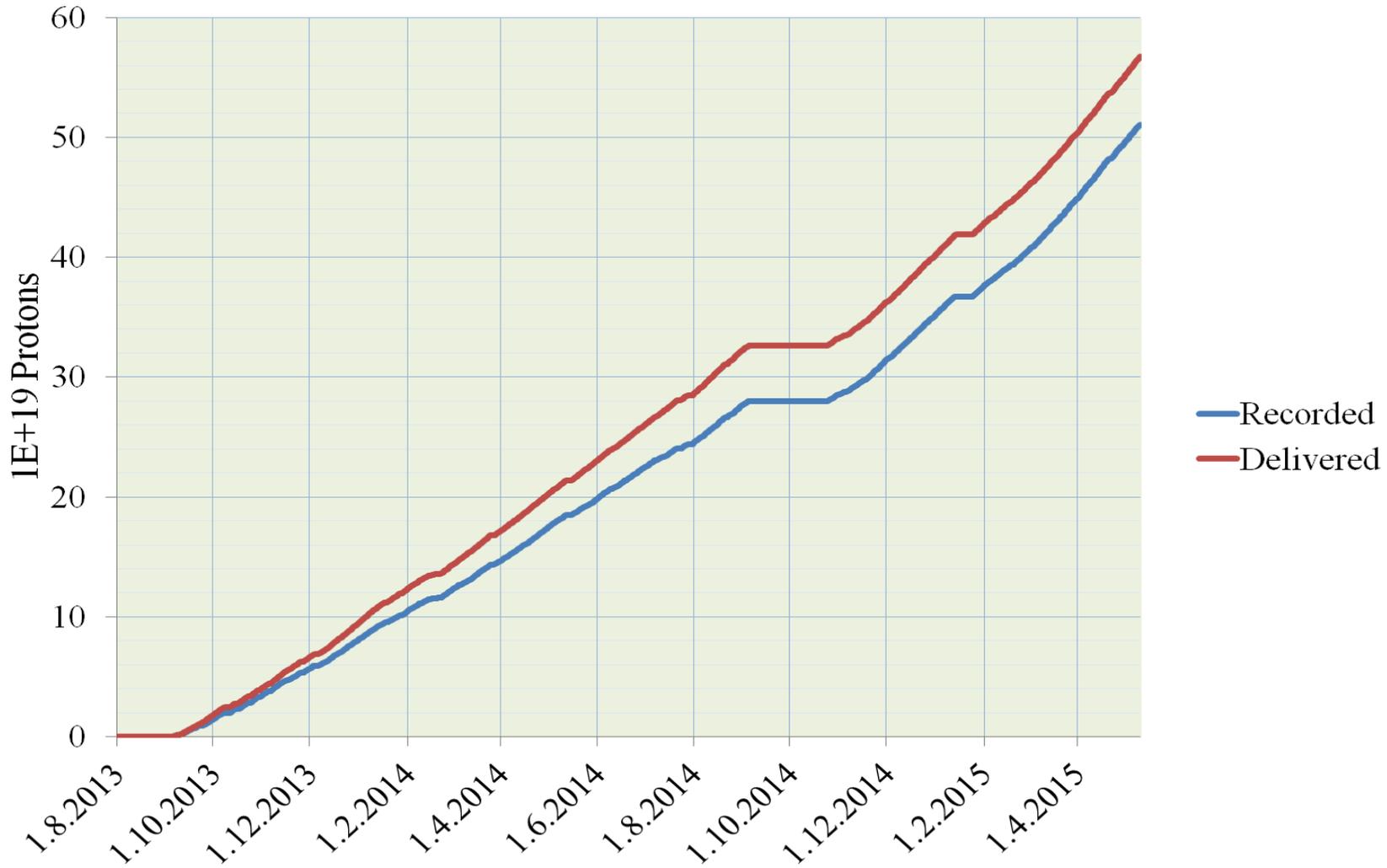
- Last week running uptime efficiency was *only* 93.1%, in total of 11.5 hours down.
- In total we had 16 downtimes, 14 were short (<1h), 2 about 2+ hours.
- 8 downtimes were recoveries when the DAQ Application Manager failed (we are still taking good data, nevertheless the DAQ is not under full control, the need to restart)
- 6 crashes happened in the ‘mysterious’ 3:17 am, still unknown; today did not occur.
- other 4 shorter DAQ issues plus 2 hours when accidentally DAQ was killed due to tests on the script preventing us not to damaged computers during A/C at Ash River.
- 2.5 hours cost the one dcm failure and the consequences to recover APD monitor system.

FD: POTs delivered/recorded



- Past week efficiency was not good comparing last weeks at 93.2%, (11.26 of 12.08 e18 POTs).
- The biggest lost was due to the dcm failure and APD Temp Monitor recovery.
- Many short (< 1hours) DAQ issues in their sum added significant POTs lost.
- Still due to the high beam intensity absolute values above 10e18 POTs on tapes .

FD: Accumulated POTs



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 230.7/241.0 e18 POTs (95.7%) [198 days]