

# NOvA Experiment Status

## All Experimenter's Meeting

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# Operations – Summary



## □ BEAM:

- Slip stacking 2+6 continues with higher intensity (>400 kW).
- NuMI Horn off run since Sun 14, 10 pm.
- Special running (8 hour/5 days): Horn current scan.
- Lost beam data/information when ACNet (AD side) and Spill server failed (NOvA side).

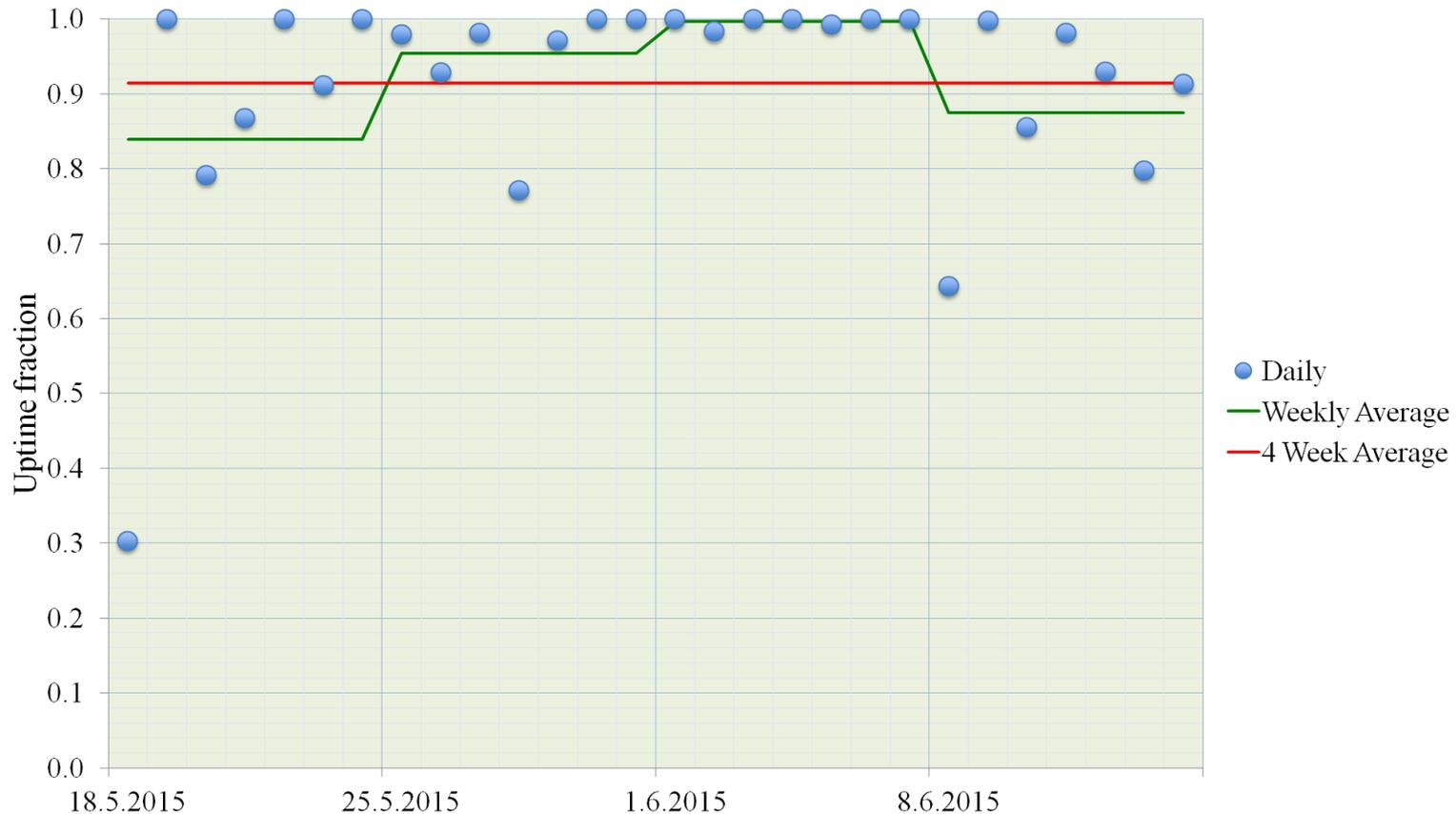
## □ NearDet:

- Short issues when end-start run during the horn scan.
- Timing chain issue needed expert action.

## □ FarDet:

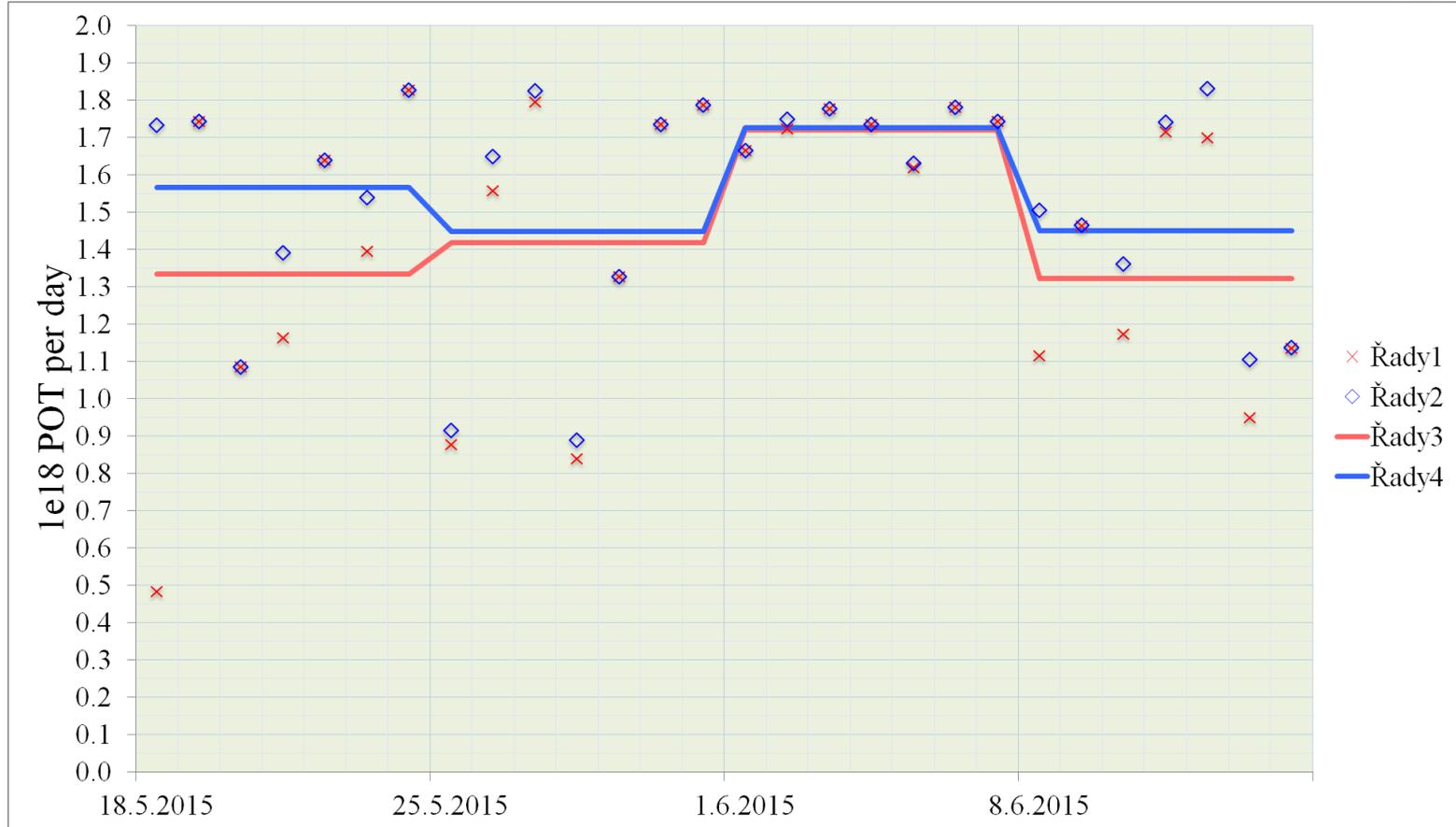
- Short power outage at beginning of last week, recovery took 8h.
- Again over-temperature issues at Ash River, no data downtime, change set points and tuning load-shed procedure thresholds.
- Other short DAQ issues and end-start run failures.

# FD: Data taking Uptime



- Last week running uptime efficiency was 87.4% (4-week average 91.4%).
- 40% downtime (8 of 21 hours) cost us the Sun/Mon power outage and recovering it.
- On Wed except of ACNet problems (losing beam info) we had issue with TDU sending us NuMI triggers (Spill server), it had to be scrubbed.
- On Sat/Sun there were a couple of dcms failures (mostly beam was down) and DAQ issues. Since then the Horns were off.

# FD: POTs delivered/recorded



- Past week efficiency was only 91.2%, (9.26 of 10.15 e18 POTs).
- 40% not recorded POTs caused by the power glitch, others are related to DAQ issues.
- 3.82 of 9.26e18 recorded POTs is related to the special runs with different horn currents: planned 2.69e18 for 190, 180, 170, 160 and 140 kA (approx. each 0.5e18) and unplanned 1.14e18 for 0kA (horns off).

# FD: Accumulated POTs



- 2013/14: 280/326 e18 POTs (86%) + 2014/15: 278.8/292.0 e18 POTs (95.5%) [233days]
- Including 3.8 e18 POTs with not nominal horns currents