

# NOvA Experiment Status

## All Experimenter's Meeting

Jaroslav Zalesak, Institute of Physics, Prague/FNAL

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# Operations – Summary



## ❑ BEAM:

- Slip stacking 2+6 continues with higher intensity (>400 kW).

## ❑ NearDet:

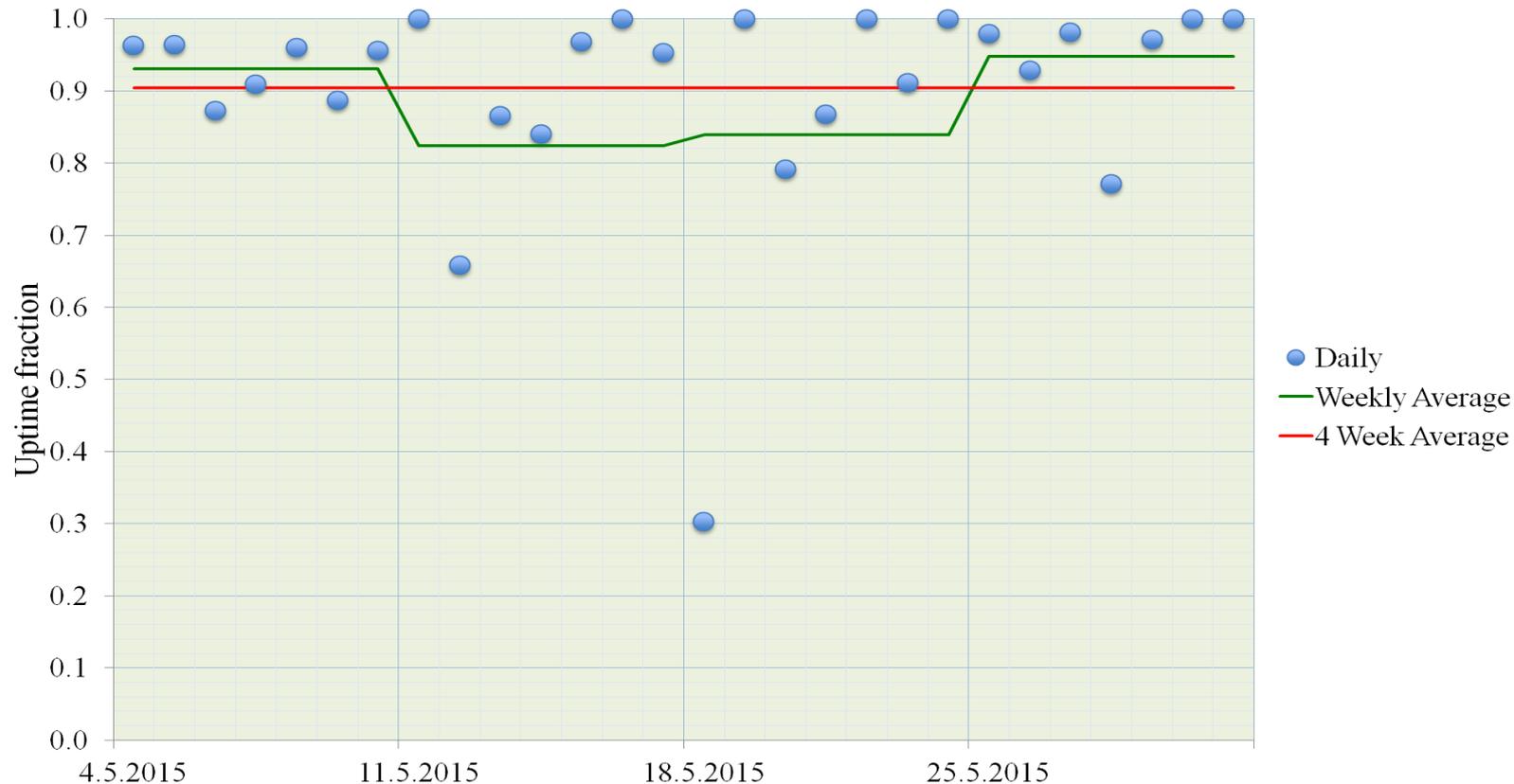
- Running well. After last maintenance (Thu) we recovered all channels and lowered overall noise again.

## ❑ FarDet:

- After we recovered from the power outage on the Ash River site two weeks ago we faced to the Air-conditioning (HVAC) problems in the computer room on the site.
- This cost only 3 hours of downtime but big effort of Ash River crew with lower outside temperatures to keep computers up.

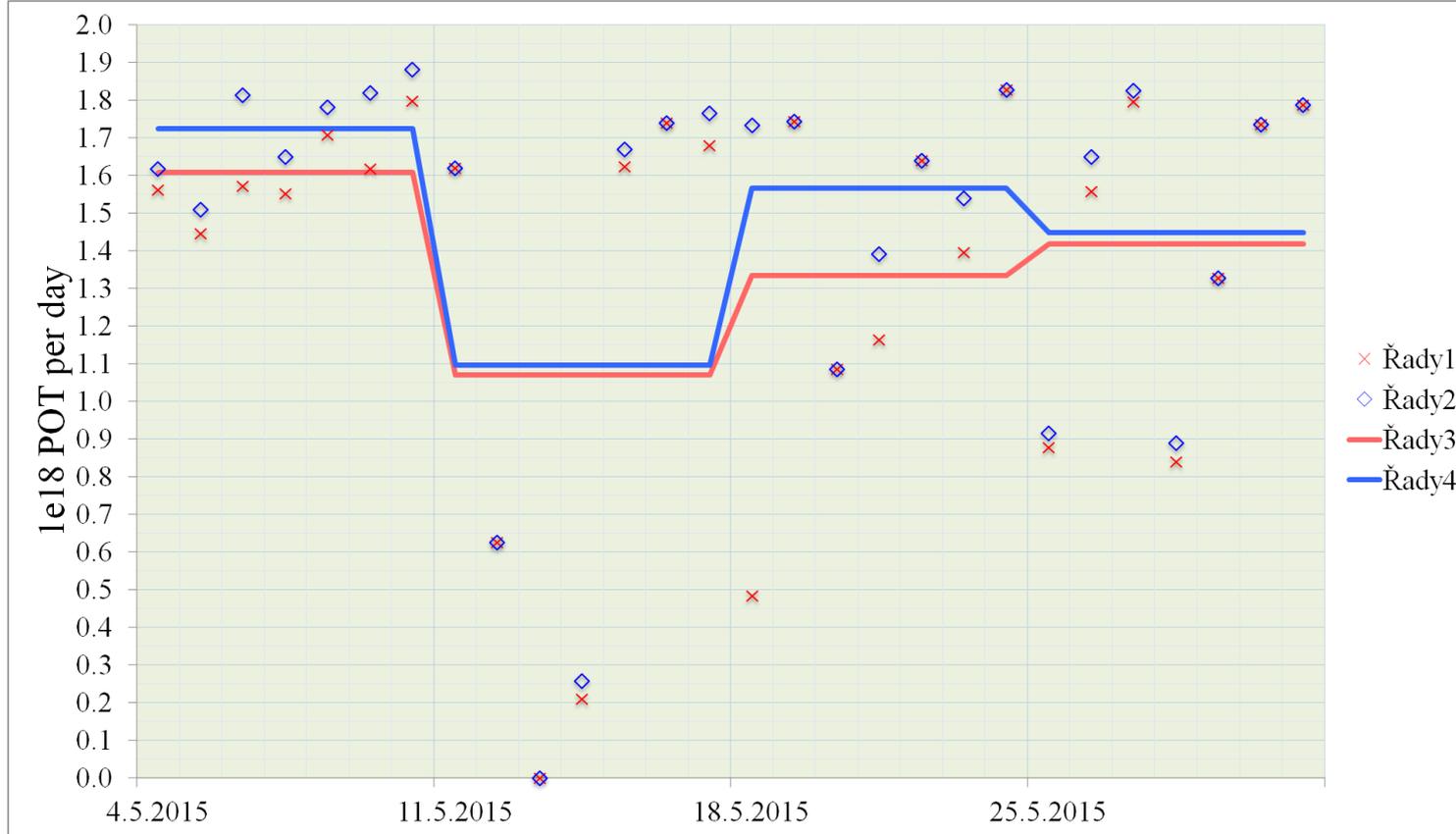
## ❑ Control Room(s): We used only 1 shifter on duty even if in one of the remote control rooms.

# FD: Data taking Uptime



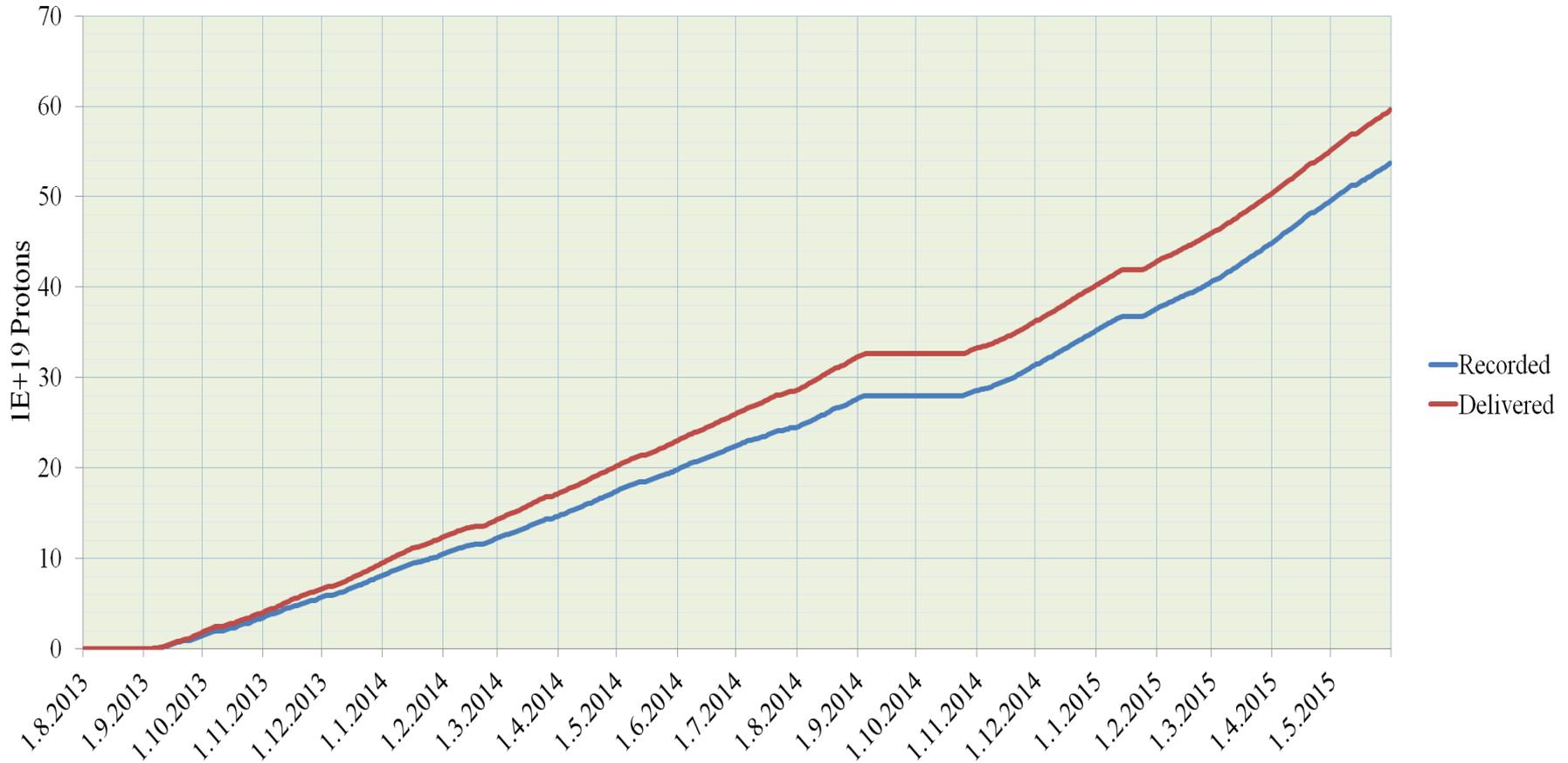
- Last week running uptime efficiency was 94.8% (a week ago 84%).
- The long downtime just 2 weeks ago (Sun/Mon) was due to the power glitch.
- The weekend before last we had problems with failed HVAC system in conjunction with of high outside temperatures were down for a couple of hours.
- On Thu technicians repaired failed part of one compressor in the HVAC unit.
- Also on Thu we did maintenance on the electronics (no beam).

# FD: POTs delivered/recorded



- Past week efficiency was at good 97.9%, (9.92 of 10.14 e18 POTs).
- The week before was only 85%, a result of the combination of just 2 weeks old power outage and the over-temperature incidents one week ago.
- Last month we recorded in average below 1e19 POTs/week (9.5 e19 POTs/week), of course the delivered POTs (10.1e18/week) was not so high as the month before.

# FD: Accumulated POTs



➤ **2013/14: 280/326 e18 POTs (86%) + 2014/15: 257.5/269.8 e18 POTs (95.4%) [219 days]**

# Power glitch at Ash River site



## □ FarDet:

- *After the week deadline we faced the thunderstorm caused short (in seconds) power outage affected both detector PS and computers.*
- *Resulted to significant data taking down time, estimated for 15.5 hours, starting Sunday (5/17) evening at about 18:37.*
- *Power outage recovery usually takes 2-4 hours, depending on the issues encountered with the large DAQ and Detector Controls computing cluster, the custom timing and readout hardware, and the cooling of APDs.*
- *In this case, the recovery has been prolonged due to the interaction of various technical and procedural issues, predominantly with our timing system.*
- *The timing system is fully recovered, and we are taking data since 10:30 (after 1 hour running a break needed for the DSO/pedestal scan).*