

NOvA Experiment Status

All Experimenter's Meeting

Jaroslav Zalesak, FNAL/Institute of Physics, Prague

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Operations – Summary



❑ BEAM:

- Since Sat we are delivered **about half** of intensity beam.

❑ NearDet:

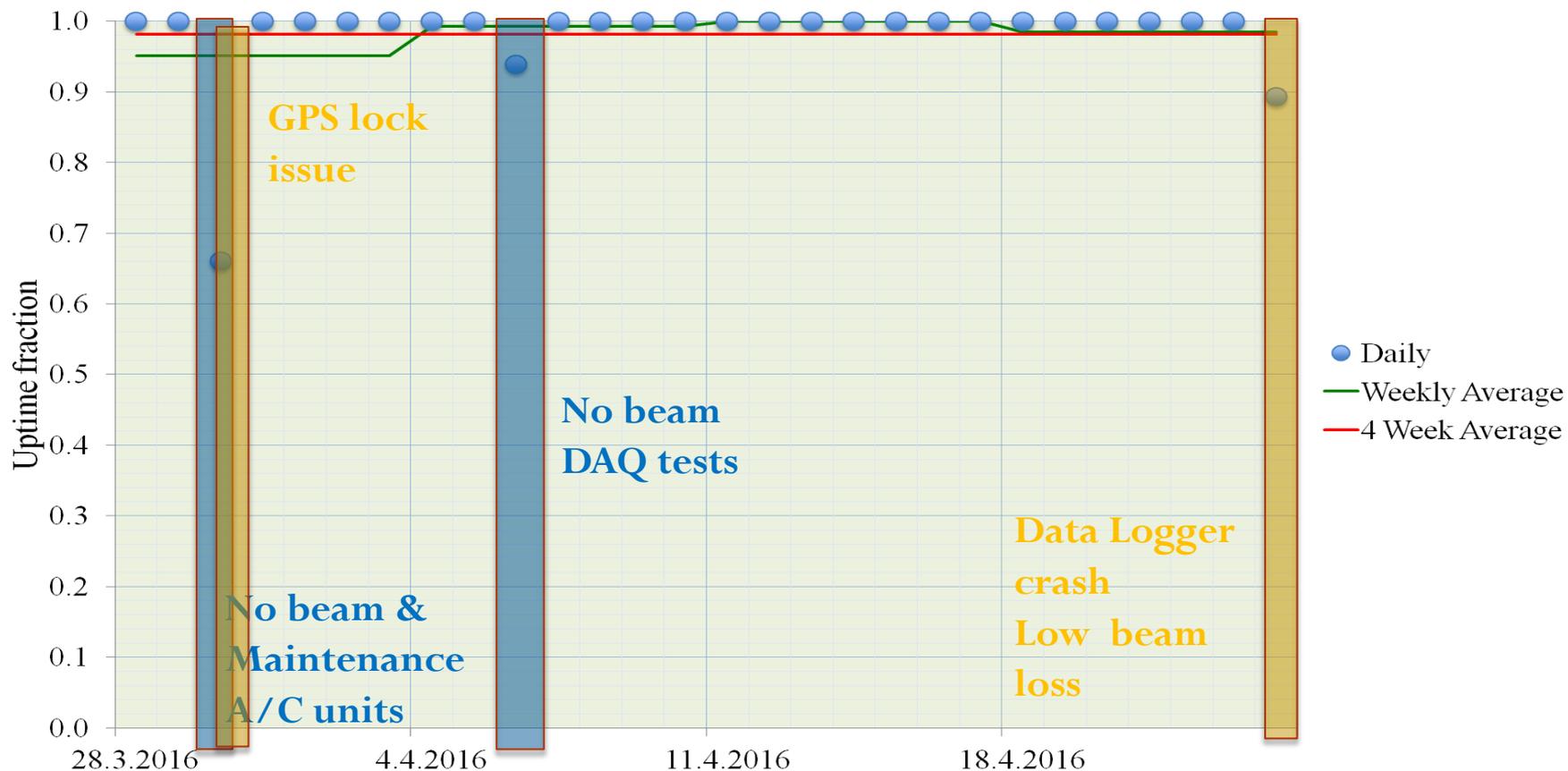
- The NuMI line power glitch caused one of two Dry Gas compressor set to the failure mode. When was declared failed and the PLC turned on second compressor (defined operation).
- Today investigation shows the compressor 2 is currently running, it probably started up not long after it was declared failed. All alarms cleared, history search undergoing.

❑ FarDet:

- After long **424.5 hours**, the DAQ crashed on Sun with the Data Logger unresponsive, some file exceeds the size limit – auto stop watchdog, very low beam loss during a recovery.

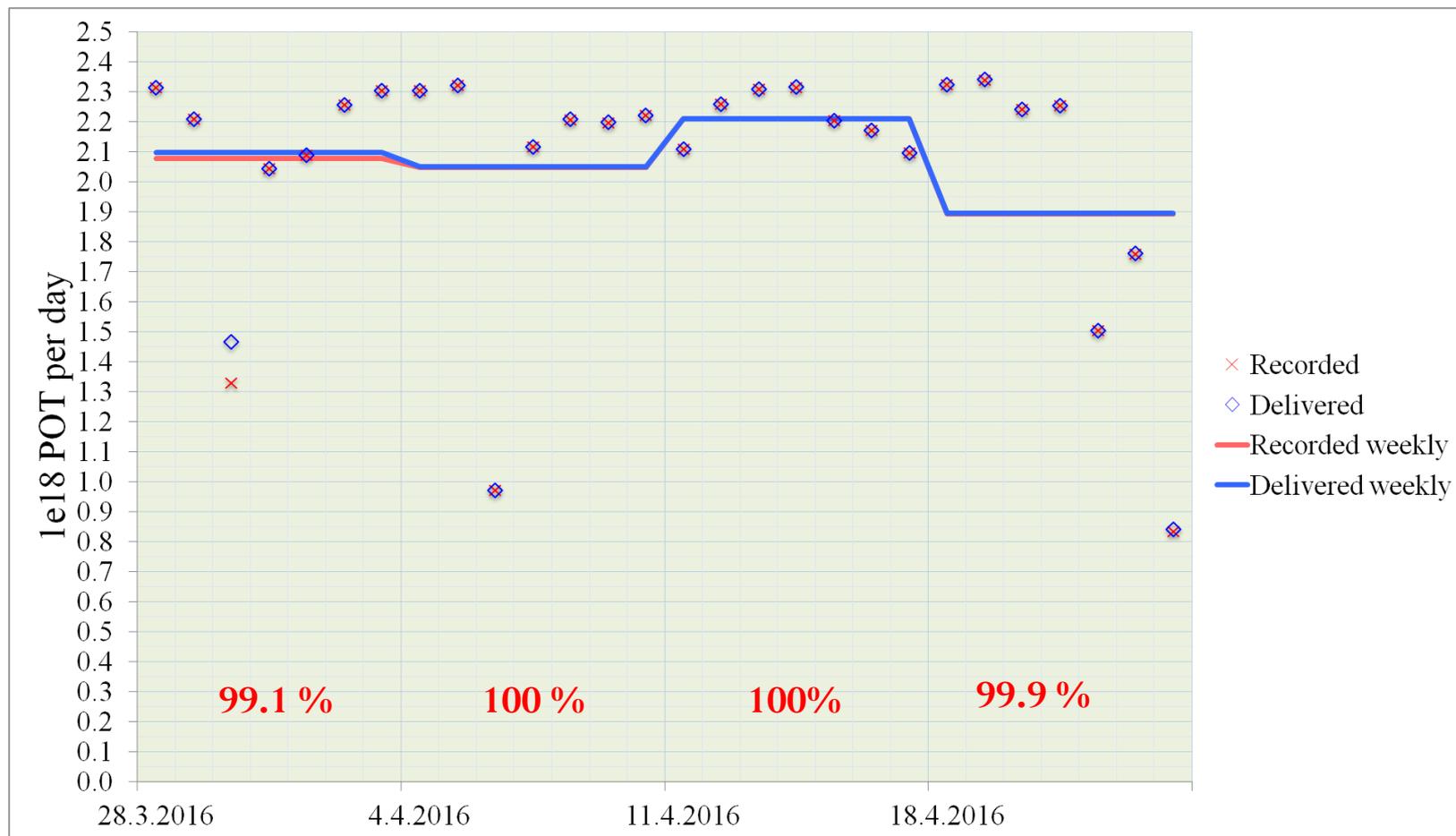
❑ Control Room: 11 ROCs (+FNAL) now operational.

FD: Data taking Uptime



- We had very good last week (s) – 98.4% uptime (4w 98.2%).
- The DAQ firstly crashed after uninterrupted 18 days of running.
- The Data Logger crashed in Sun morning ,recovery was a bit complicated and took 2.5 hours, mostly no beam.

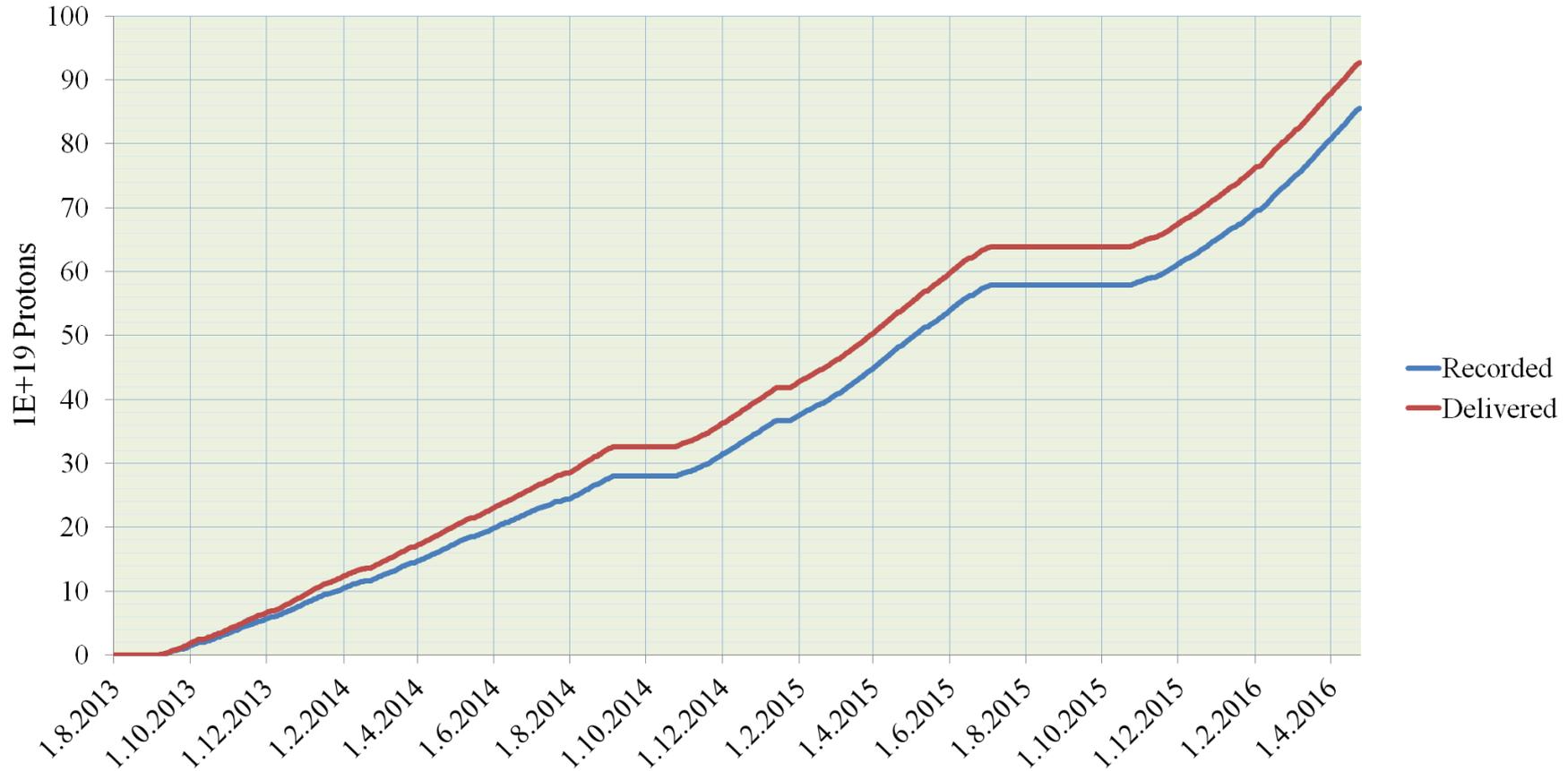
FD: POTs delivered/recorded



➤ Past week continued in the series of 99+% of beam efficiency, in particular 99.9% (4-weeks 99.7%), we took **13.26 of 13.27** e18 POTs.

➤ Of course we are **sad** of the Recycler incident lowering a number of neutrino interactions to half when the detector is in the very good condition. **Looking forward ...**

FD: Accumulated POTs – all years



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 298.5/312.5* e18 POTs (95.5%) [253days]

➤ 2015/16: 277.1/288.4 e18 POTs (96.1%) [203 days]

*) Including 20.8e18 POTs horn-off data and 2.6e18 non-nominal horn current data.