

The MINERvA Operations Report

Nuruzzaman

(<http://home.fnal.gov/~nur/>)

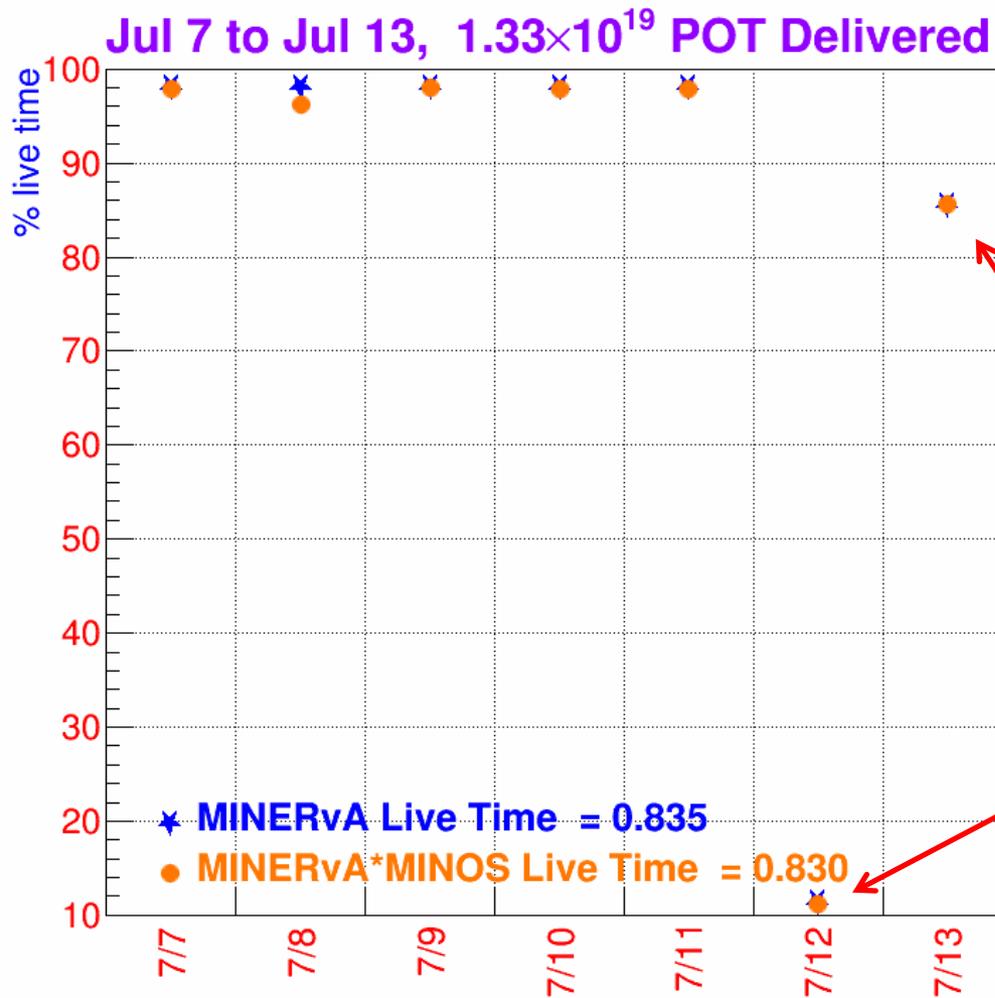
for the MINERvA Collaboration

All Experimenters Meeting

18 Jul 2016

ν Data

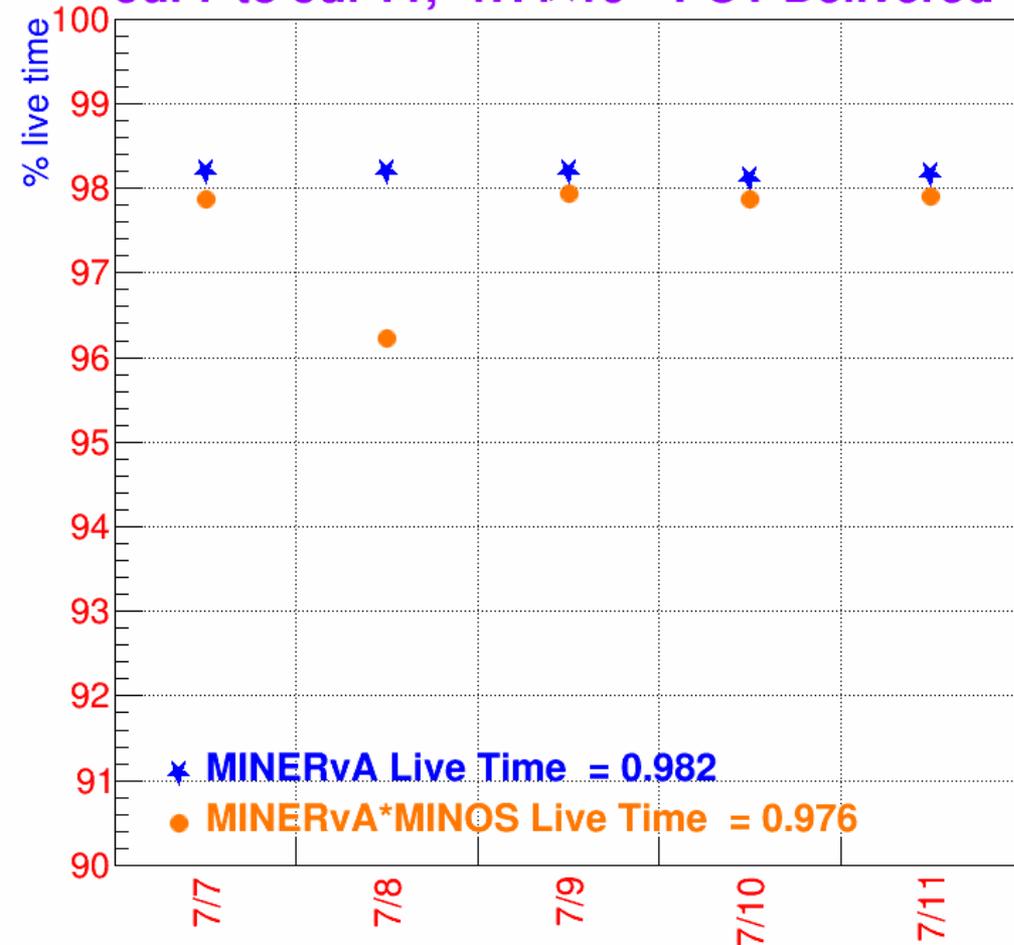
- Live Time: Jul 7-Jul 13, 2016
- 1.33×10^{19} POT
- MINERvA 83.5%
- MINERvA*MINOS 83.0%



For 12th and 13th July, the raw data files were failed to copy for offline processing. We will update next week.

ν Data

Jul 7 to Jul 11, 1.11×10^{19} POT Delivered

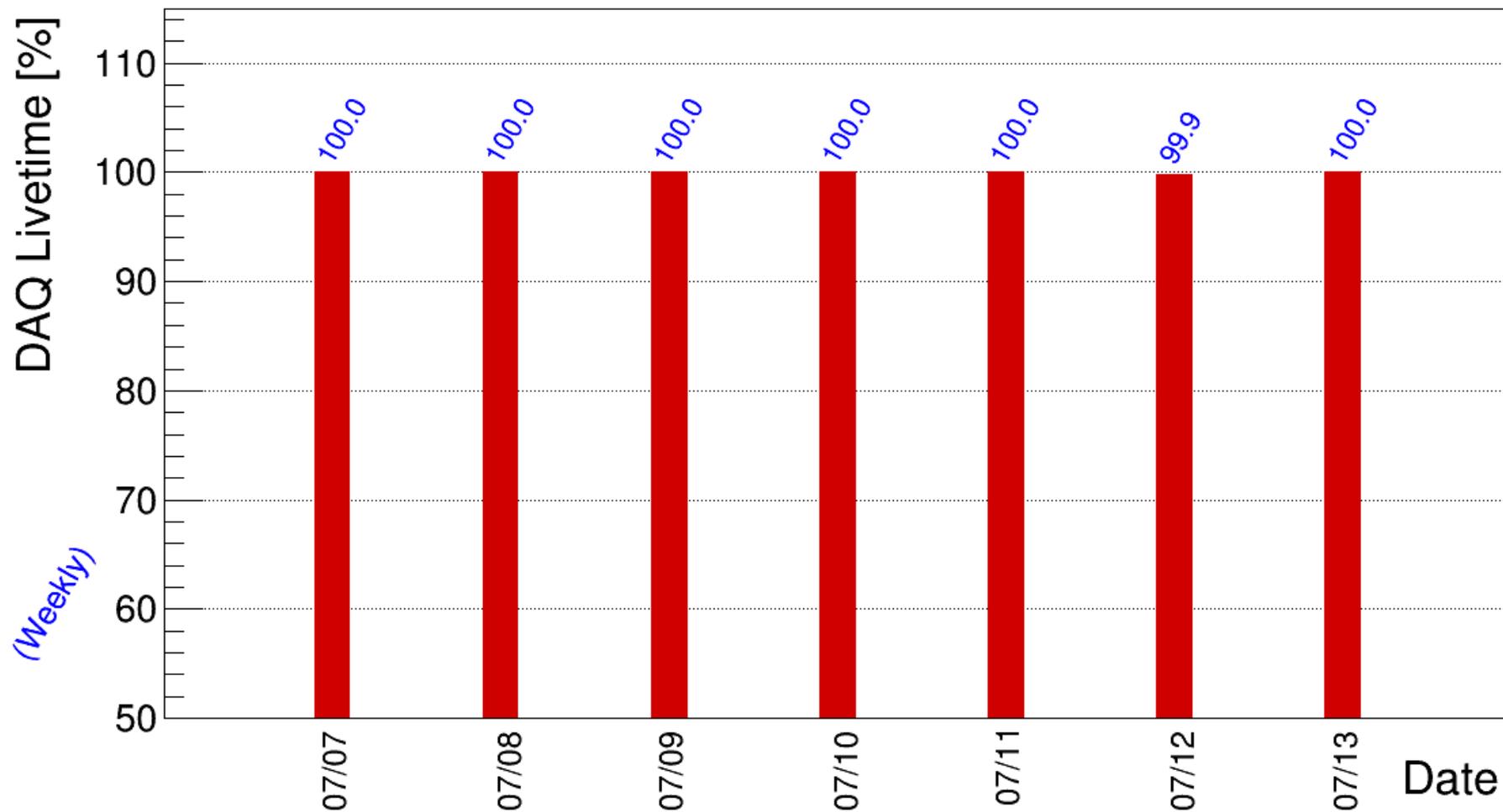


- Live Time: Jul 7-Jul 11, 2016
- 1.11×10^{19} POT
- MINERvA 98.2%
- MINERvA*MINOS 97.6%

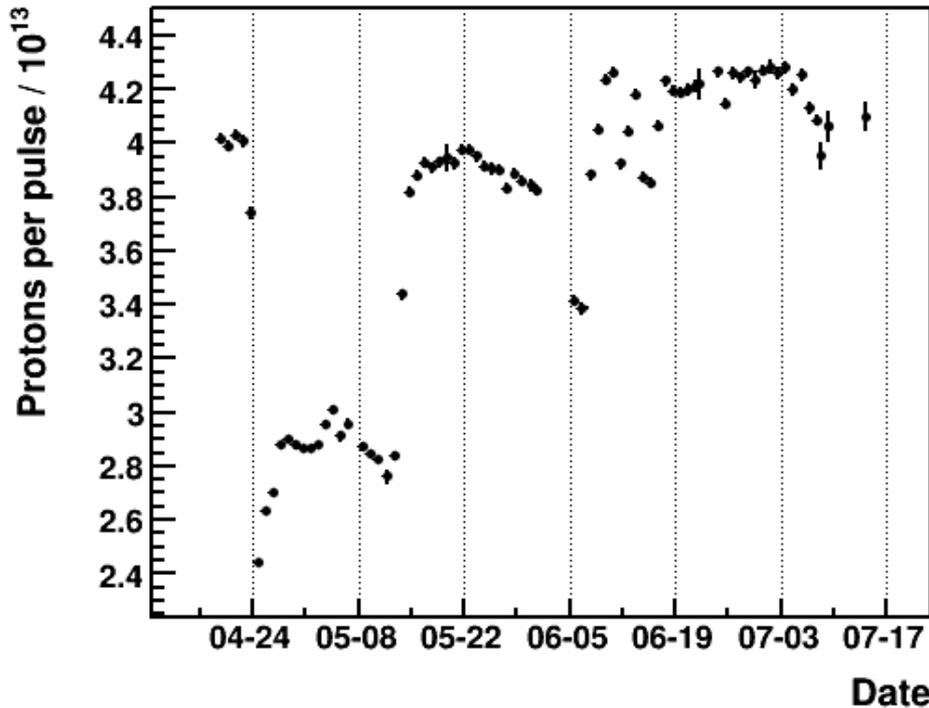
For 12th and 13th July, the raw data files were failed to copy for offline processing. We will update next week.

DAQ Clock Livetime

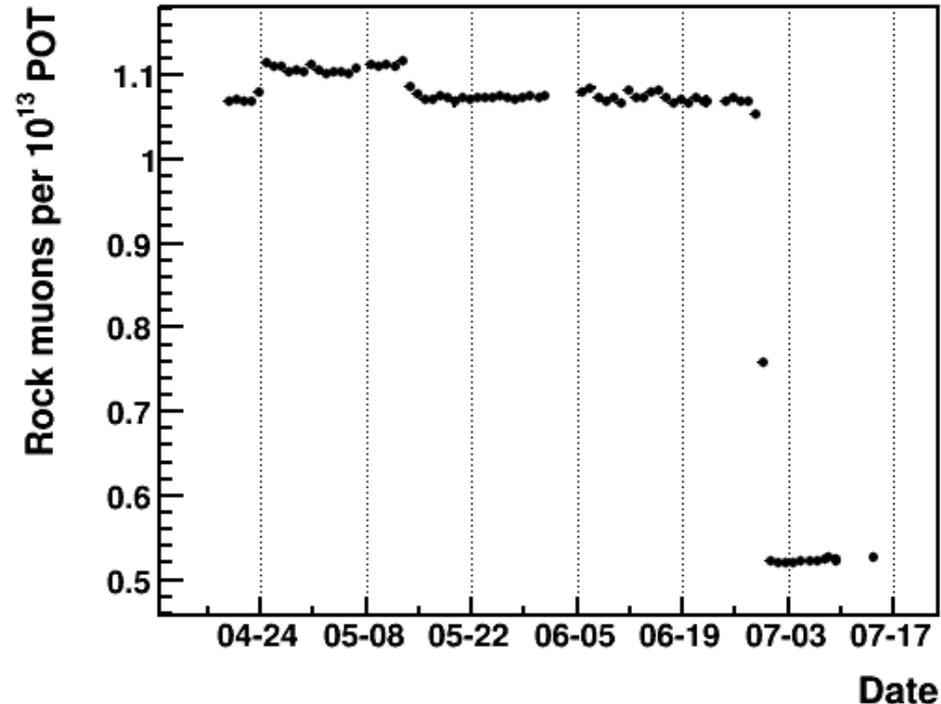
Avg. 07/07-07/13 = 100.0% MINERvA DAQ Clock Livetime



Rock Muon/POT



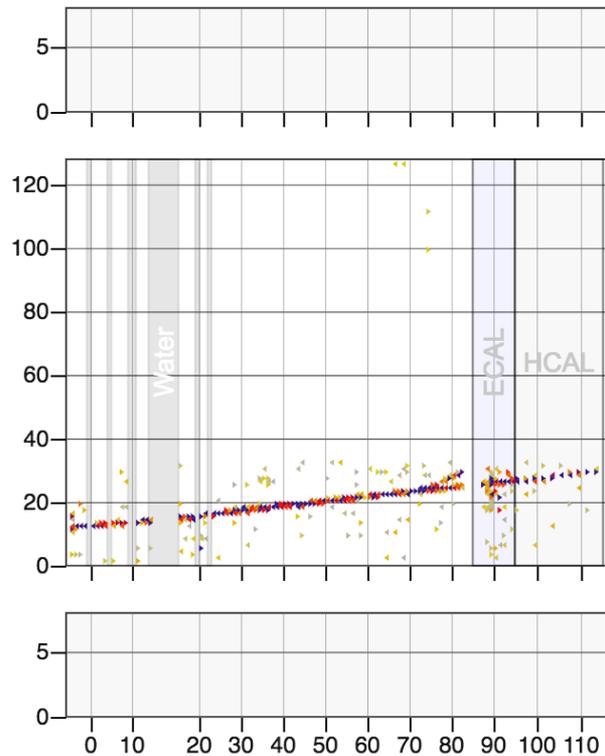
POT/Pulse



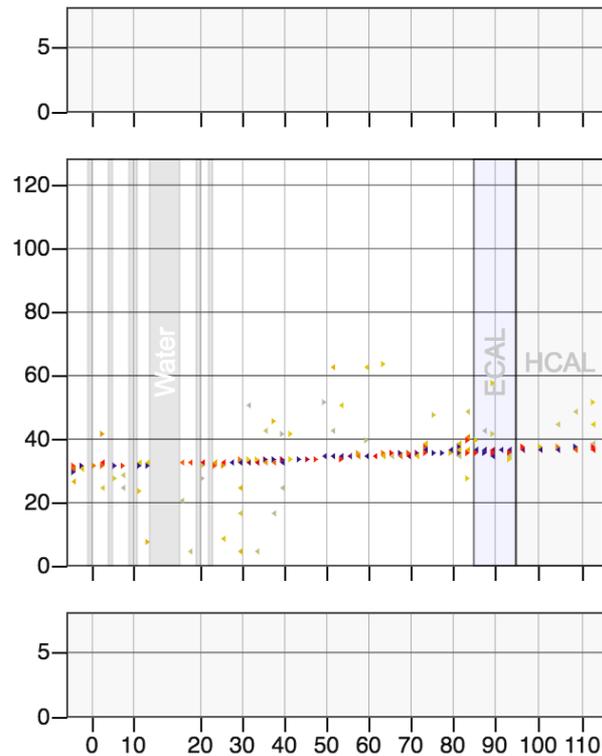
Rock Muons/POT

The change to reverse horn current reduces the number of Rock Muons/POT by $\sim 1/2$

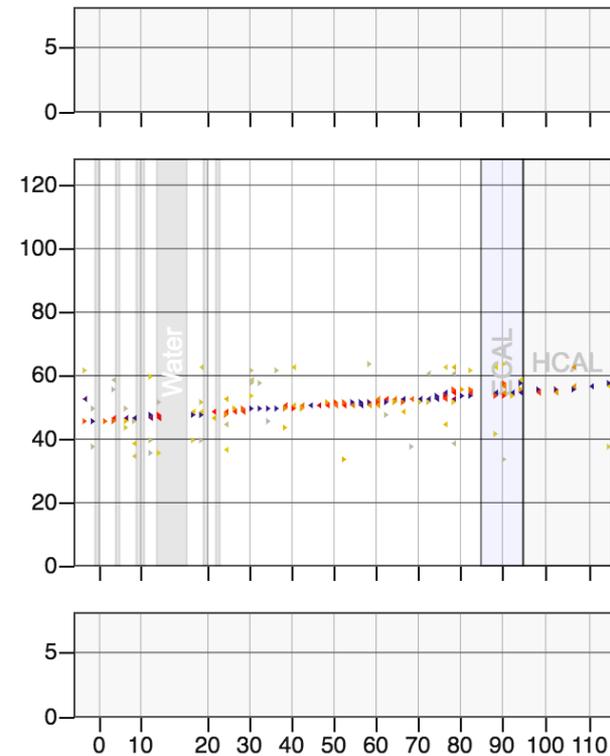
Event Display



X-view



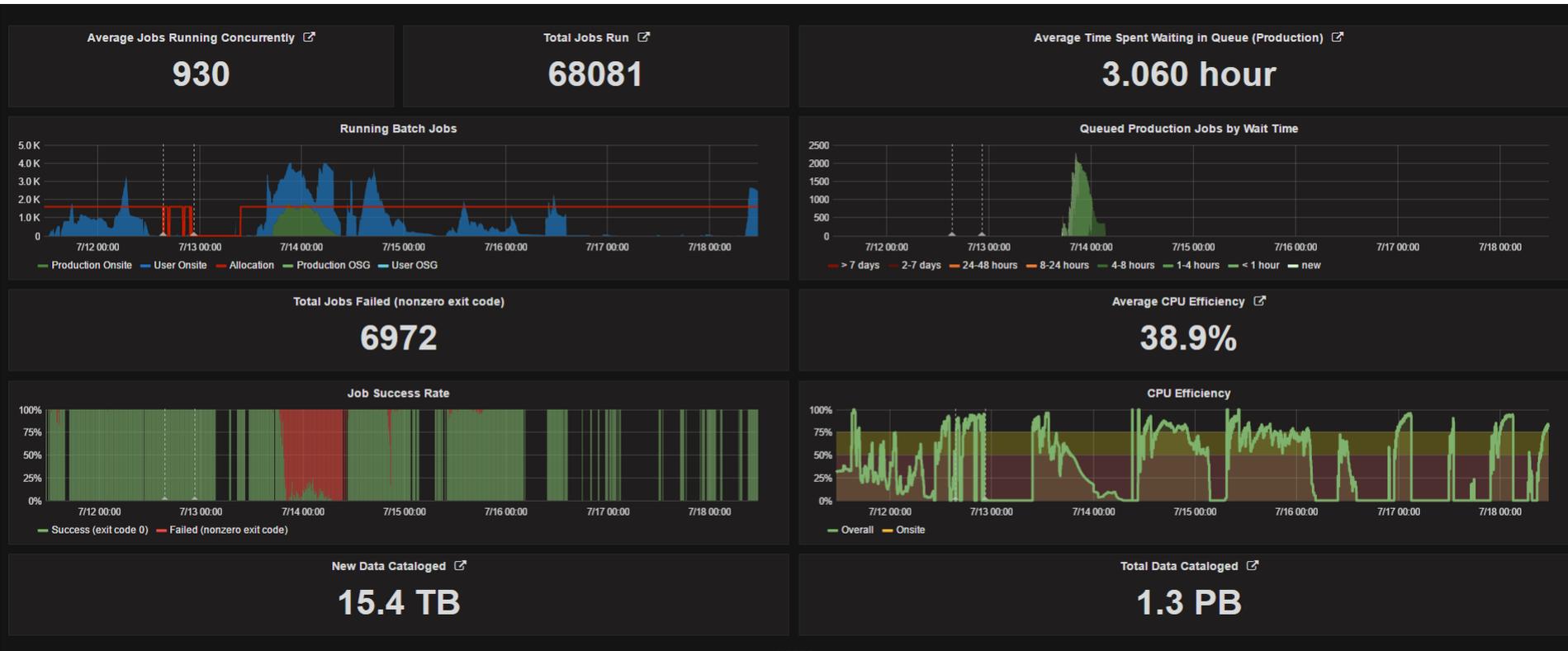
U-view



V-view

18 July 2016

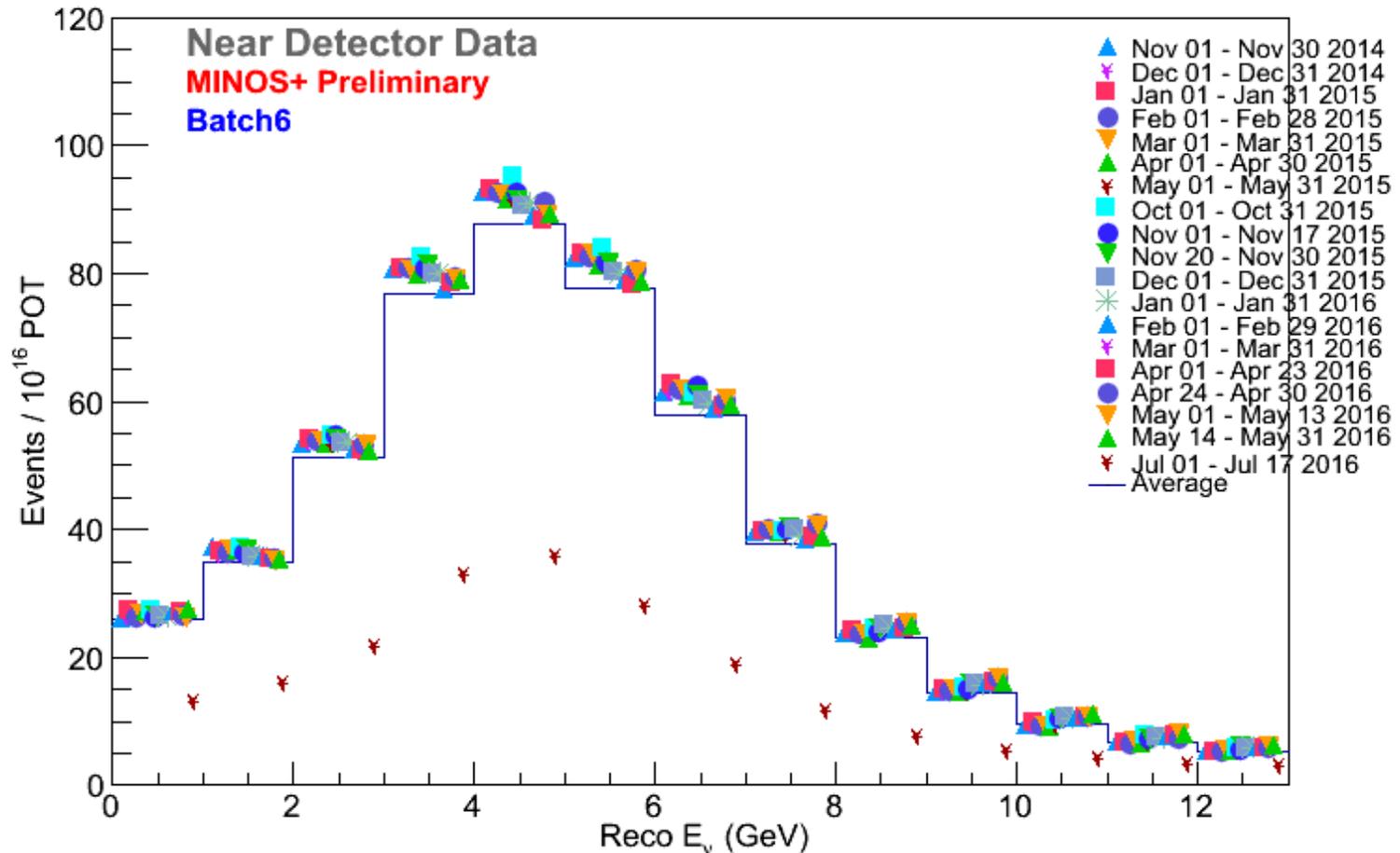
Computing



- Low efficiency is dominated on 7/14 when there was an issue with ifdh cp copy in/out that would not work. Got fixed in INC000000732108 and INC000000732098. This affected multiple experiments (MINERvA and MicroBooNE)
- Low efficiency around 7/12 was due to SFA files falling off of disk. Took longer than expected, but told the delay we saw is expected. Will plan for this in the future.

Spectrum Stability (Batch 6) from MINOS

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)

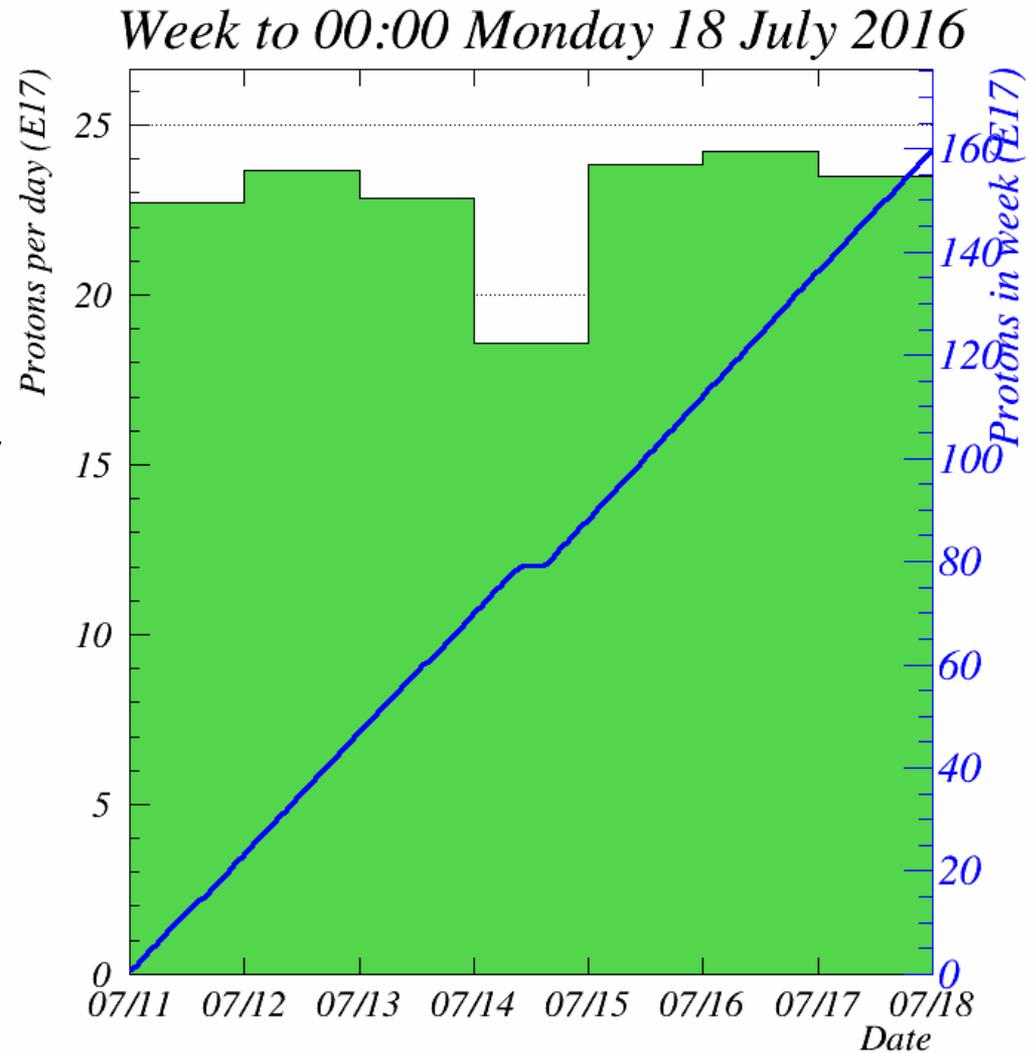


The plot is generated using neutrino configuration. Rui Chen is working to reproduce the plot using anti-neutrino configuration, stay tuned!

More plots: <http://minos.fnal.gov/DataQuality/BatchPage.php>

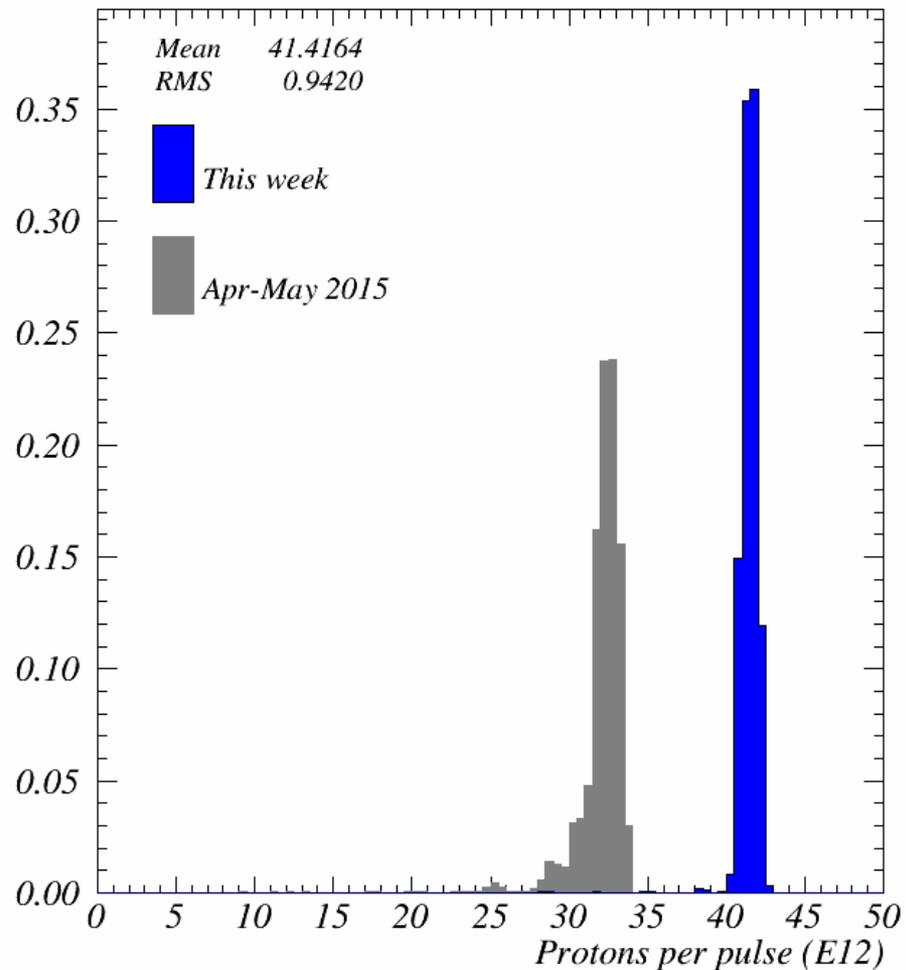
Protons for the Week

Proton on target (POT) for
the week = 1.59×10^{19}

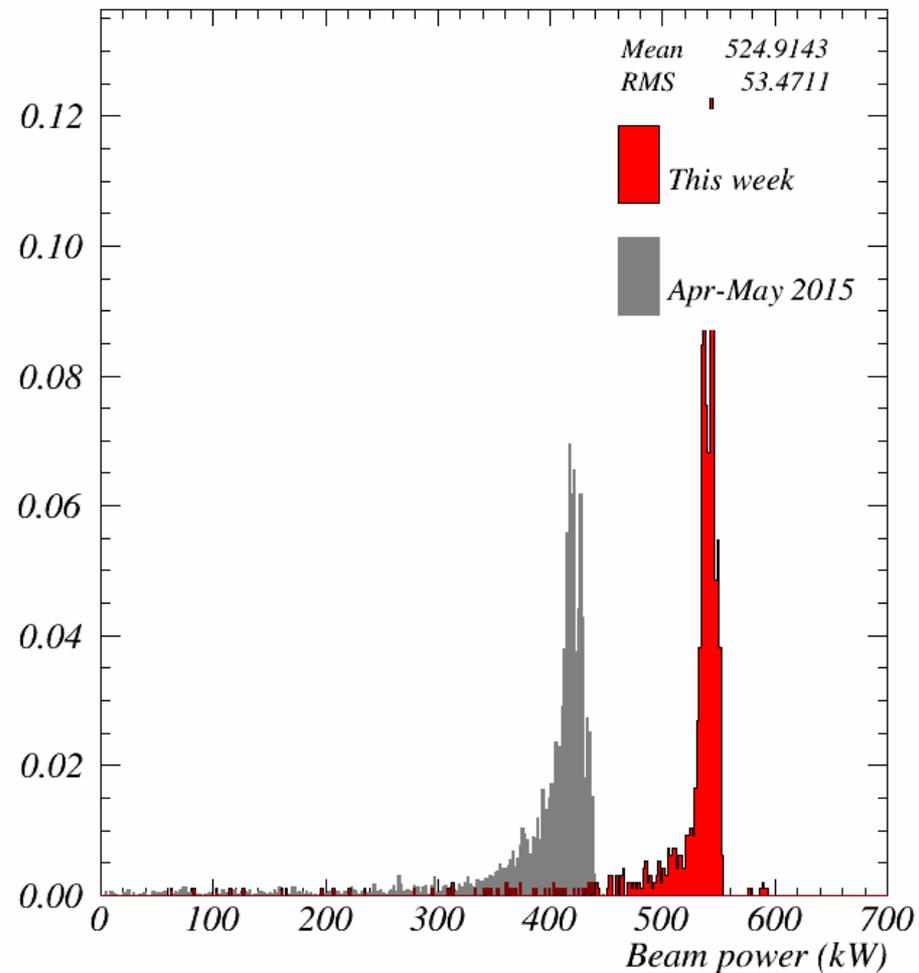


NuMI Beam Plots

Week ending 00:00 Monday 18 July 2016

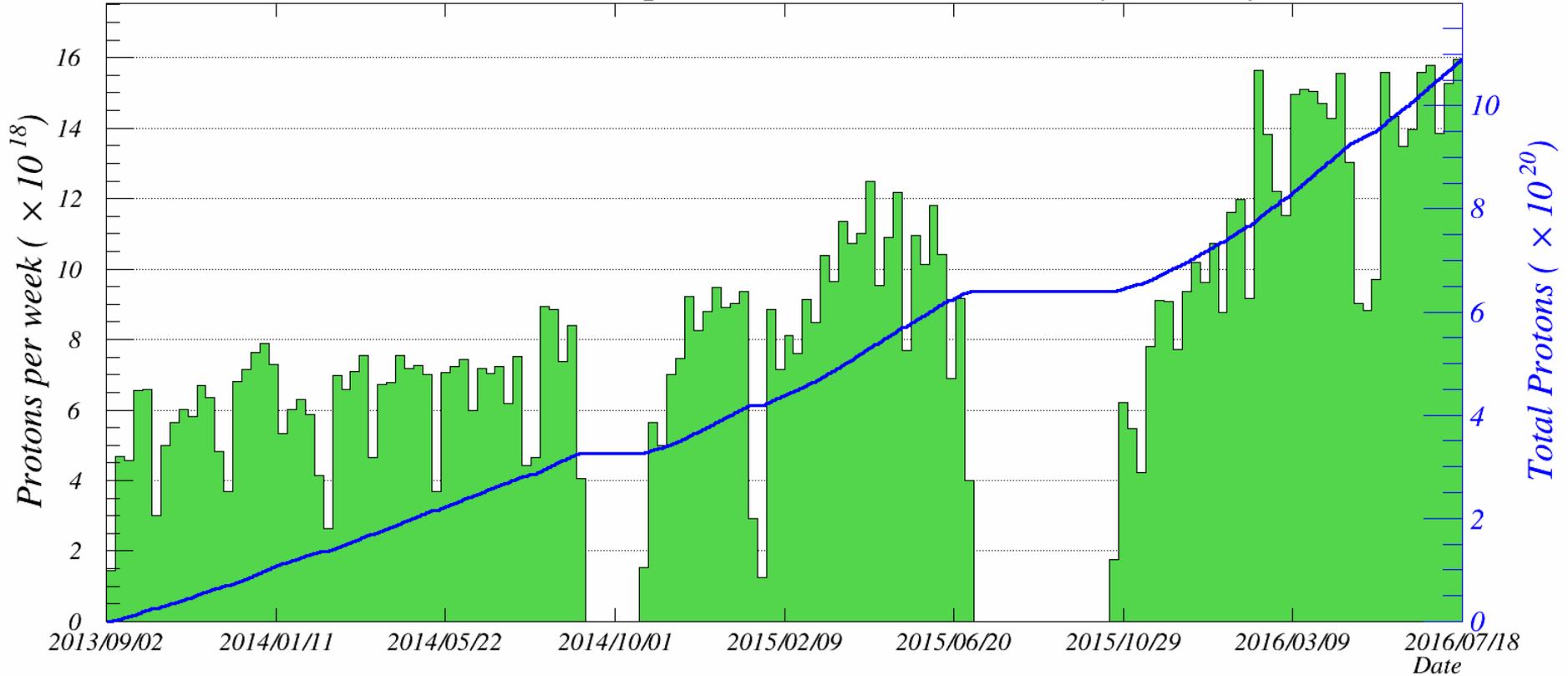


Week ending 00:00 Monday 18 July 2016



Protons for ME Runs

Total MINOS+NOvA protons to 00:00 Monday 18 July 2016



POT for the ME run

6 Sep 2013 15:00 – 18 Jul 2016 00.00 = 10.88×10^{20}