

# The MINERvA Operations Report All Experimenters Meeting

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Jun 5, 2017

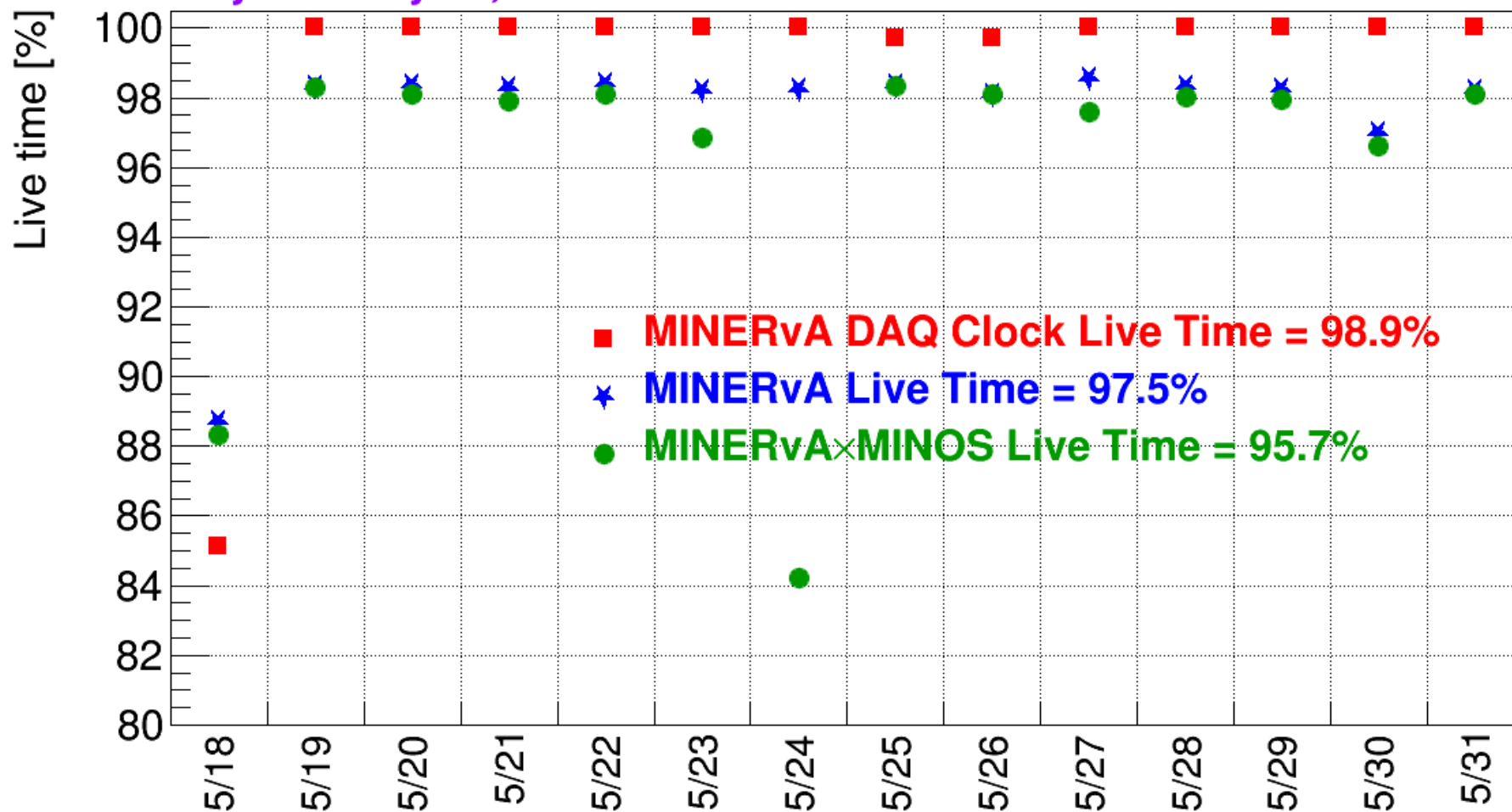




# v Data



May 18 - May 31, 2017: POT Delivered =  $2.77 \times 10^{19}$





# $\nu$ Data



- May 18 88.7% MINERvA Live
  - As stated in the previous AEM talk, after the May 15 power outage we got  $\sim 700$  “Dummy bit errors”. This error causes 2 consecutive gates to be bad, but they do not stop the DAQ or Keepup. We fixed the problem on May 18 by resetting the CROCE.
  - Up until now “Dummy bit errors” have been very infrequent. They almost never appear unless there is a power outage.
  - We are working on the unpacking to handle this error.
- May 24 85.7% MINOS Live
  - A MINOS rack tripped off due to a failure in the AC circuit in the MINDER power supply. The power supply, its fuse, and the switch box which controls the AC power in the crate had to be replaced.
  - Thank Steve Hahn, Neutrino Division.

Period 05/22/2017 – 06/04/2017

Average Jobs Running Concurrently

1498

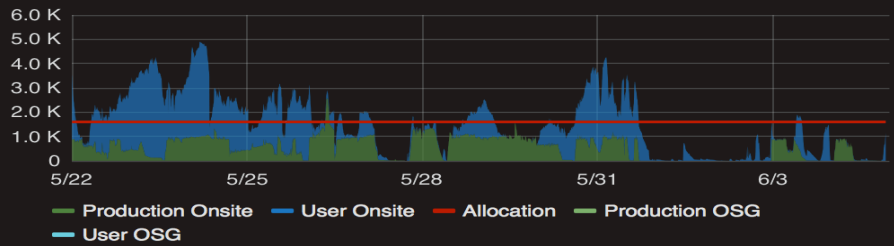
Total Jobs Run

461681

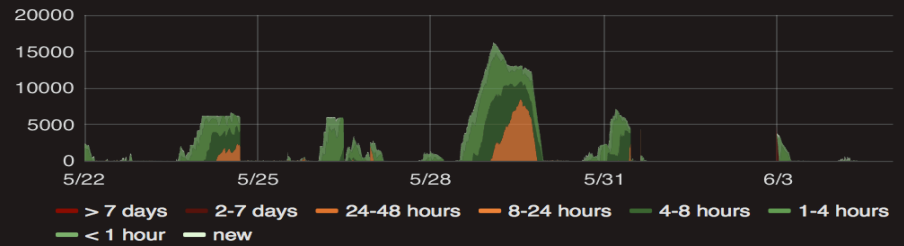
Average Time Spent Waiting in Queue (Production)

5.29 hour

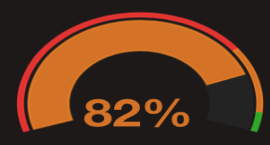
Running Batch Jobs



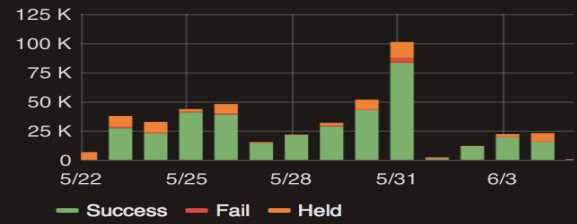
Queued Production Jobs by Wait Time



Job Success Rate



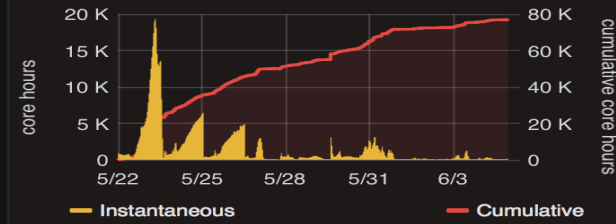
Job Success & Failures per Day



Overall CPU Efficiency



Total Time Wasted by Running Jobs



New Data Cataloged

-3.0 TB

Total Data Cataloged

1.6 PB

- Job success rate is low due to the time limit of users' jobs (reading data from tape took long time)
- Overall CPU efficiency is low : calibration job accessed big size files, users' jobs to read data from tape, production and user's job to access MINOS DB
- New data cataloged is negative since a bunch of production files which had problem were removed from the tape