

# The MINERvA Operations Report All Experimenters Meeting

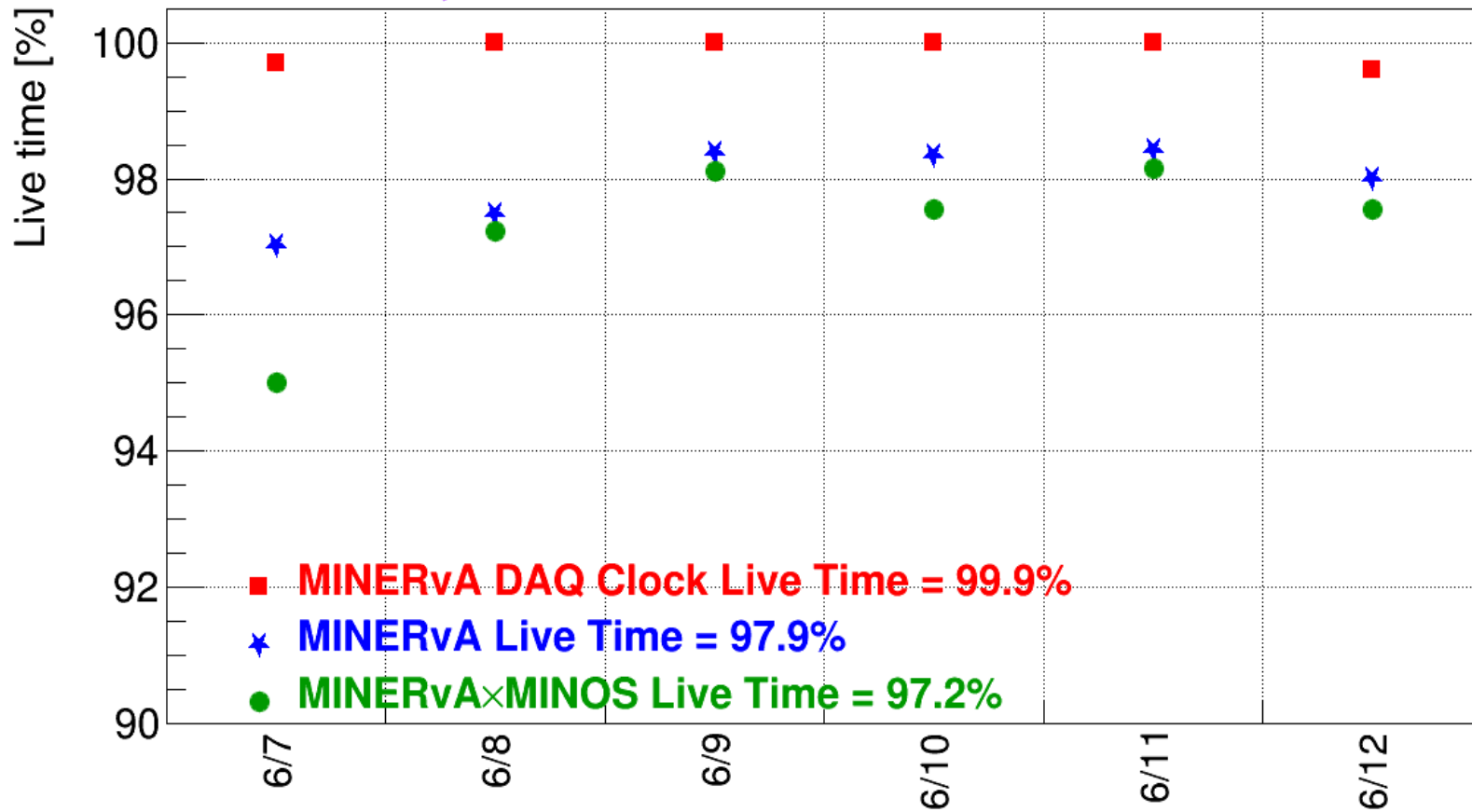
Howard Budd, University of Rochester  
Jun 18, 2018



# anti- $\nu$ Data

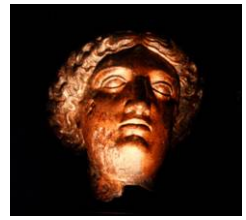


Jun 7 - Jun 12, 2018: POT Delivered =  $1.61 \times 10^{19}$





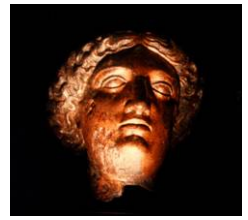
# anti- $\nu$ Data



- Jun 13 - MINERvA
  - We will present the live time for Jun 13 next week. This is due to a problem with keepup. After the rebooting of minervafpvm01 on Jun 15, the rawdata and corresponding rawdigits failed to get onto tape.
  - The raw data files exist in Bluearc ( & on the DAQ disc.)
  - MINERvA DAQ efficiency was 100% for Jun 13.



# He Target



- The helium cryo turbo pump and compressor tripped off on Jun 5. The pump and compressor were turned back on, but after being on for a couple of days the target pressure did not go down significantly and the temperature remained high. Probably contamination affected the helium target.
- The decision was to vent the helium. The helium is being vented using a tube from the target to the surface.
- We were planning on emptying the helium target during the shutdown. We needed empty target data to analyze the helium data

Average Jobs Running Concurrently

598

Total Jobs Run

106929

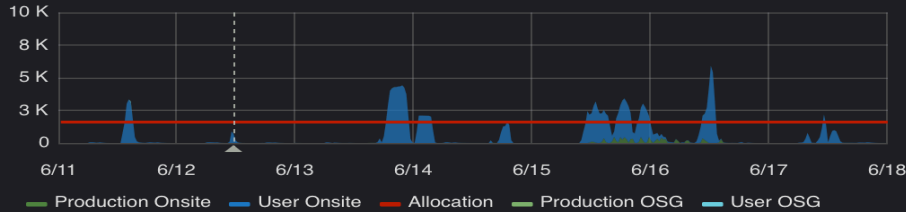
Average Time Spent Waiting in Queue (Production)

5.66 hour

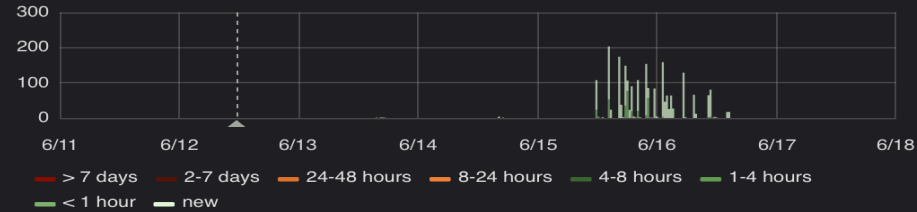
Jun 11 - 17

Running Jobs

Running Batch Jobs

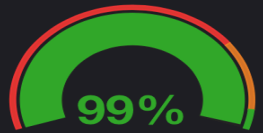


Queued Production Jobs by Wait Time

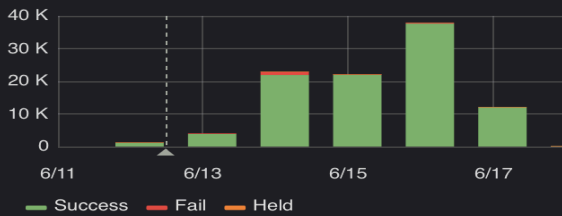


Completing and Efficiency Stats

Job Success Rate



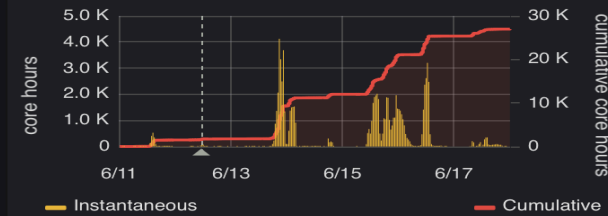
Job Success & Failures per Day



Overall CPU Efficiency



Total Time Wasted by Running Jobs



New row

New Data Cataloged

2.6 TB

Total Data Cataloged

2.5 PB

- Average concurrent jobs is ~ 600 which is < than average quota ,1600.
- Job success rate was 99%
- Overall CPU efficiency is 35% :
  - Efficiency was low due to staging the dataset on disk from tape for an analysis user's job