

The MINERvA Operations Report All Experimenters Meeting

Howard Budd, University of Rochester
Feb 13, 2017

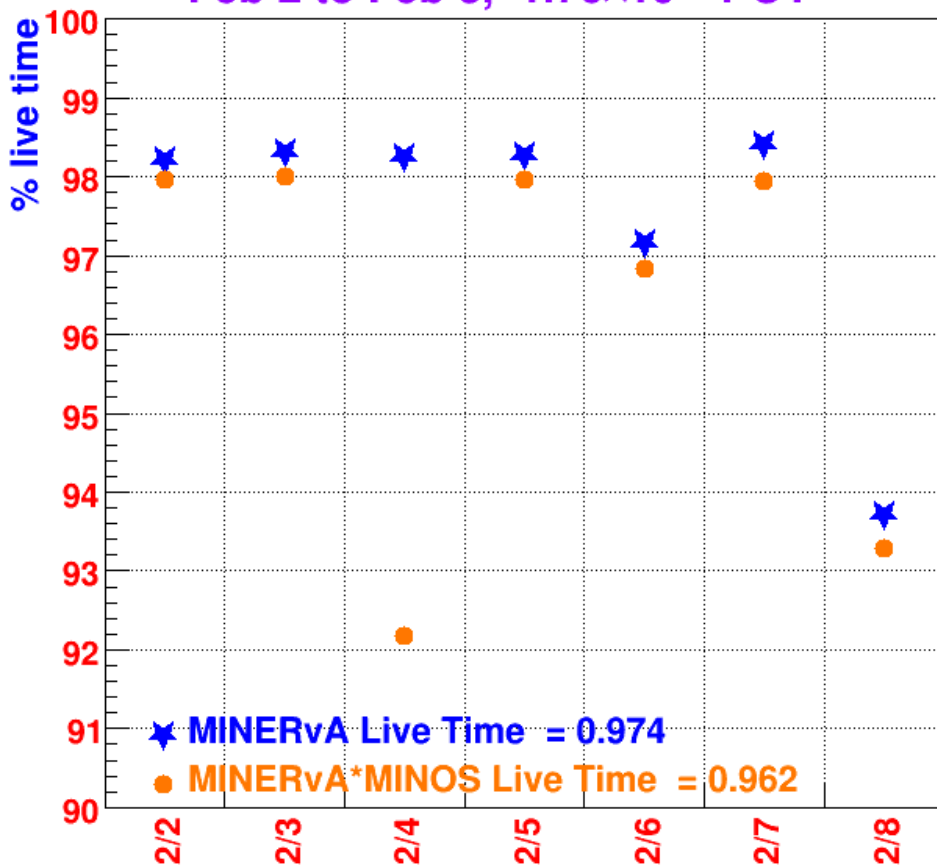




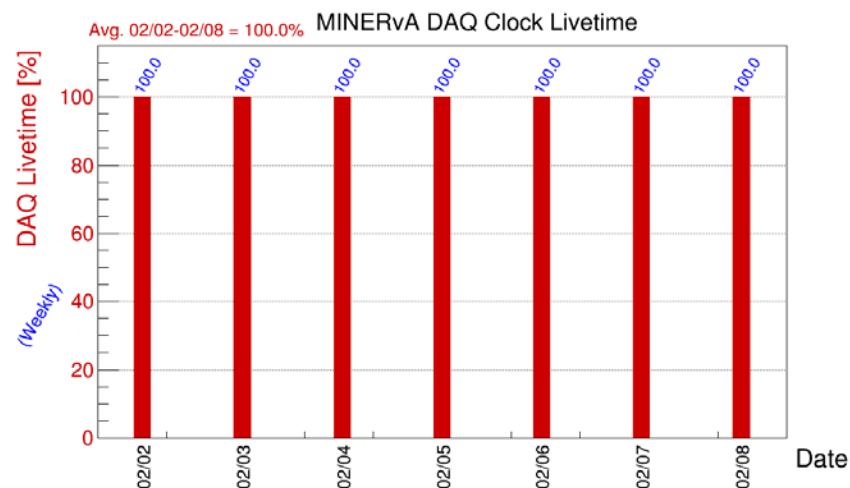
v Data



Feb 2 to Feb 8, 1.76×10^{19} POT



- Live Time – Feb 2-9 2017
- 1.76×10^{19} POT
- MINERvA POT 97.4% live
- MINERvA DAQ 100% live
- MINERvA*MINOS 96.2% live
- POT for ME run 1.30×10^{21} to 2/12





v Data



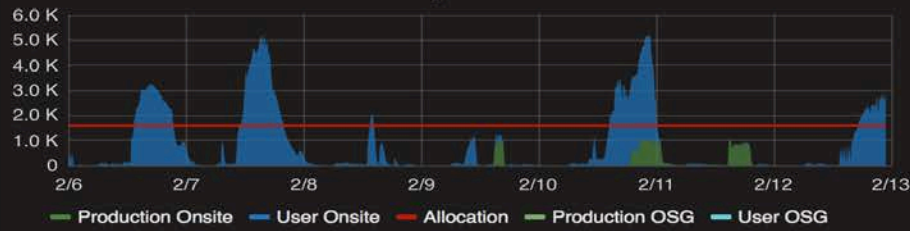
- Feb 6 - 93.8% POT live MINOS
 - MINOS had an DAQ error. It took some time to restart the MINOS DAQ
- Feb 8 - 93.7% POT live MINERvA
 - During a subrun, the DAQ stopped taking data even though there was beam. The DAQ was live with no error. After 1 hour without a trigger, the DAQ started a new subrun which ran fine.
 - The DAQ is designed to start a new run after 1 hour without a trigger.
 - This is a feature for beam off running, when waiting for beam.
 - We have not seen this failure mode before. The DAQ was live enough to end the run after 1 hour. We are investigating.
 - The pager did not go off as the DAQ was live. We have modified the “Watch Dog” to go off when this failure mode takes place.

Average Jobs Running Concurrently [↗](#)
899

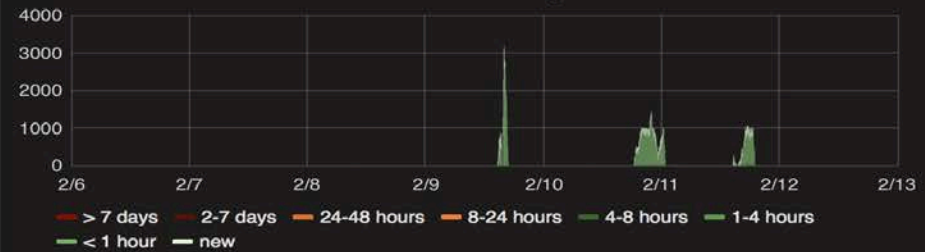
 Total Jobs Run [↗](#)
152506

 Average Time Spent Waiting in Queue (Production) [↗](#)
15.8 min

Running Batch Jobs



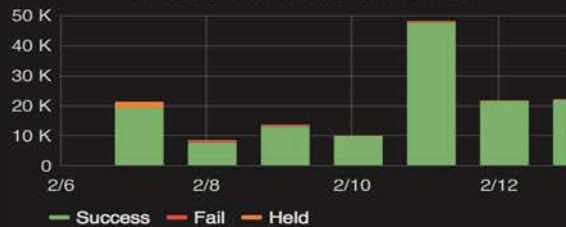
Queued Production Jobs by Wait Time



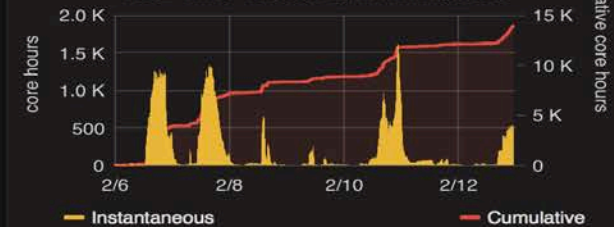
Job Success Rate



Job Success & Failures per Day


 Overall CPU Efficiency [↗](#)


Total Time Wasted by Running Jobs


 New Data Cataloged [↗](#)
0.8 TB

 Total Data Cataloged [↗](#)
1.6 PB

- Period 02/06/2017 - 02/12/2017
- Average concurrent jobs are lower than quota
- Job Success rate is very good
- Overall CPU Efficiency is good