

The MINERVA Operations Report

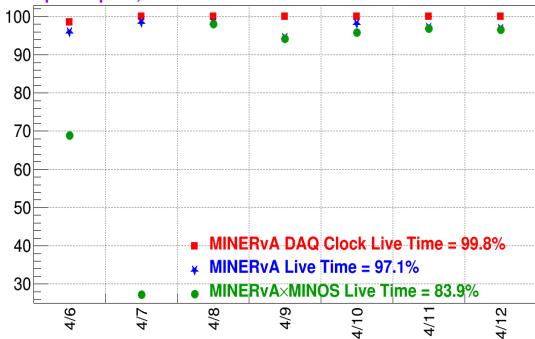
All Experimenters Meeting

Mehreen Sultana
University of Rochester

April 17, 2017

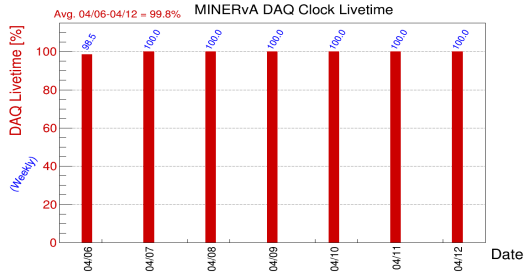


Apr 6 - Apr 12, 2017: POT Delivered = 1.65×10^{19}



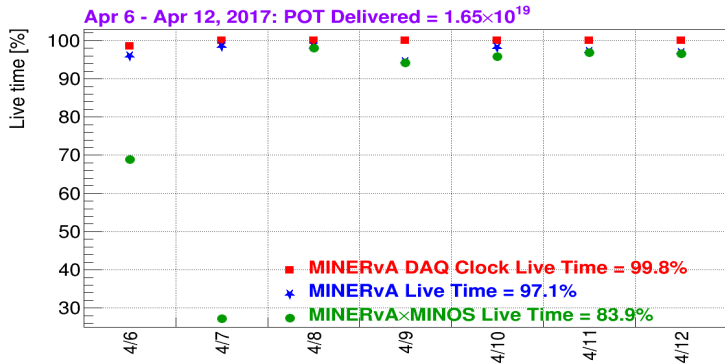
ν Data Efficiencies

- Live Time:
April 06 - April 12, 2017
- 1.65×10^{19} POT
- MINERνA POT:
99.8% live
- MINERνA DAQ:
97.1% live
- MINERνA*MINOS POT:
83.9% live



Efficiency Issues: For 4/6 and 4/7

- 4/6 – MINERvA FEB 1-3-1-4 was replaced. The roof was removed. Thanks to Steve Hahn and Voirin's group for help!
- 4/6 4/7 – MINOS DAQ crashed due to Power Supply failure in Crate U12 and communication error. Steve Hahn and Donatella worked with the Minerva experts to help us fix the issue and regain communication with the power supply crate.

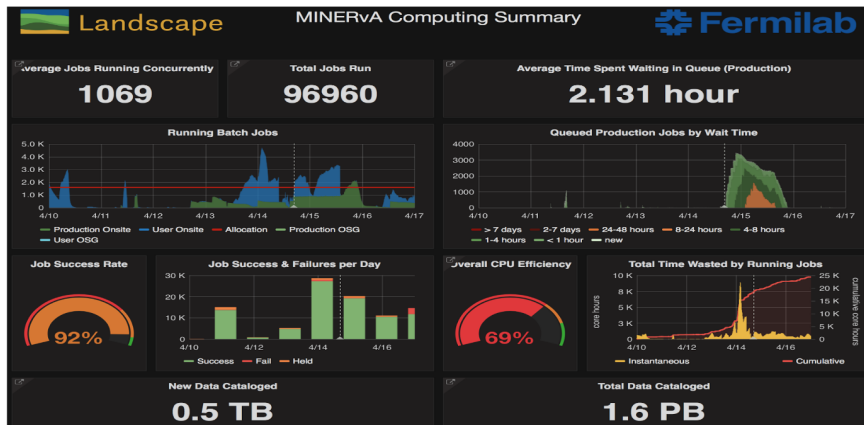


Current Issues: MINOS Magnet

- There is an ongoing problem with MINOS magnet and experts are working on it.
- MINOS magnet tripped on 04/13 22:19 and was recovered. Magnet tripped again on early 04/15.
- We ran over the weekend with the Magnet off.
- Today, the experts, Walter Jaskierny and Dave Huffman, examined the Magnet Power Supply and found no evidence of problems there.
- The Magnet was turned on around 14:20 CST and is working.
- Walt and Dave are installing an AC breaker quality meter to monitor the AC current draw of the power supply while it is running and record any further over current trips.
- Thanks to everyone who helped!



Computing



Period 04/10 - 04/16, 2017

- Average concurrent jobs are lower than quota
- Job Success rate is good (small fraction of users' job were held due to time/memory usage)
- Overall CPU Efficiency is low due to the production jobs (MINOS DB couldn't handle too many jobs at once)