

# The MINERvA Operations Report All Experimenters Meeting

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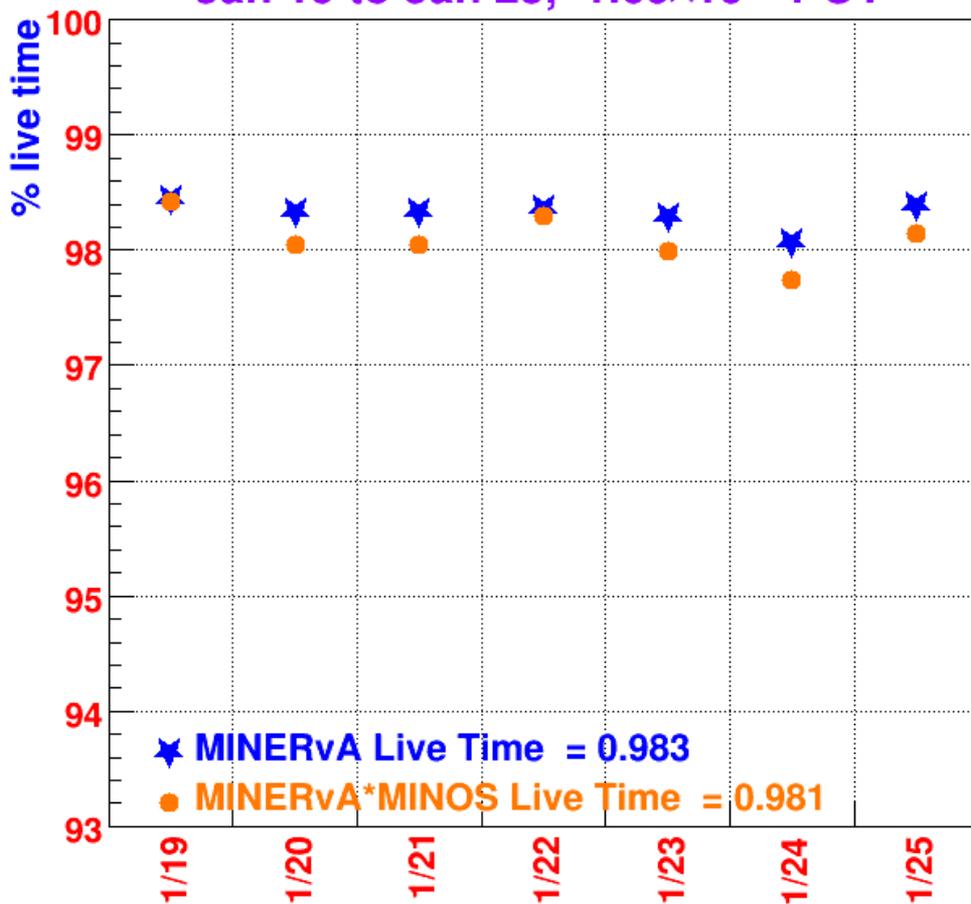




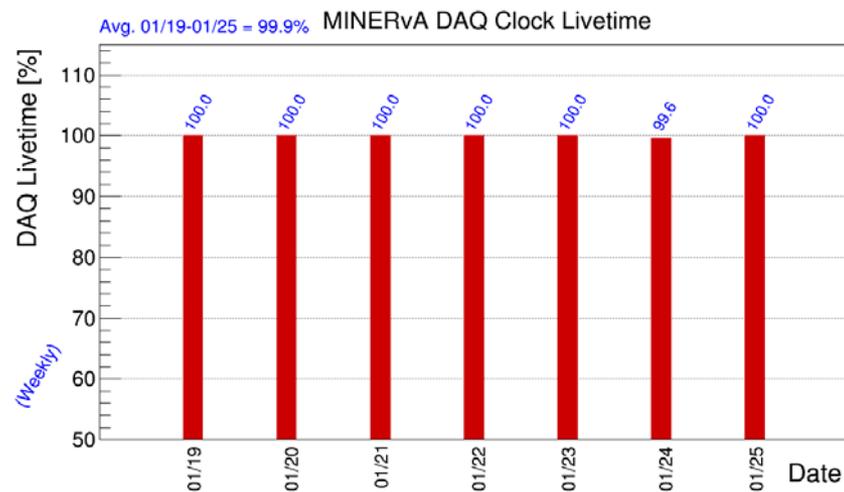
# v Data



Jan 19 to Jan 25,  $1.69 \times 10^{19}$  POT

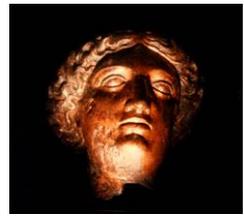


- Live Time – Jan 19-25 2017
- $1.69 \times 10^{19}$  POT
- MINERvA POT 98.3% live
- MINERvA DAQ 99.9% live
- MINERvA\*MINOS 98.1% live





# $\nu$ Data



- As stated last week, using our “Rock Muon Plots” we discovered the MINERvA DAQ machine time and MINOS DAQ machine time were not linked. The MINERvA DAQ machine fell 3 seconds behind the MINOS DAQ machine. This prevented the matching of MINOS & MINERvA tracks after the start of the shutdown.
  - We have measured the time difference between the 2 machines since the start of the shutdown & we are in the process of matching the MINOS and MINERvA tracks.
  - A check of the time difference is now in our nearline plots.



# v Data



- Jan19-25 99.8% MINOS
  - We have raised the cut on “max ADC value” in the MINOS Data Quality Validation processes. Now, this cut no longer effects our calculated live time. Note, the cut is not used in analysis. The MINOS Data validation is being rerun on past MINOS runs so we can recalculate our live times.
- The MINERvA rock muon plots were not able to analyze MINOS files because of a change made on Jan 19 to the SAM service used by the MINOS processing scripts to store raw files in SAM. The server was fixed on Jan 26 and processing restarted on Jan 28.
  - There was a delay restarting because we realized that the authentication being used was the soon to be turned off KCA method. This has been updated to use a Kerberos principle with CILogin method.
  - We would like to thank Art Kreymer for working on this.

Average Jobs Running Concurrently [↗](#)

2442

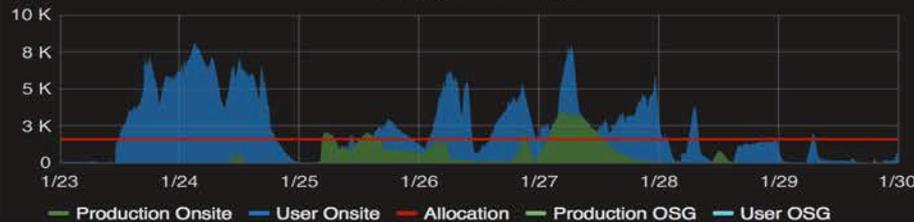
Total Jobs Run [↗](#)

274208

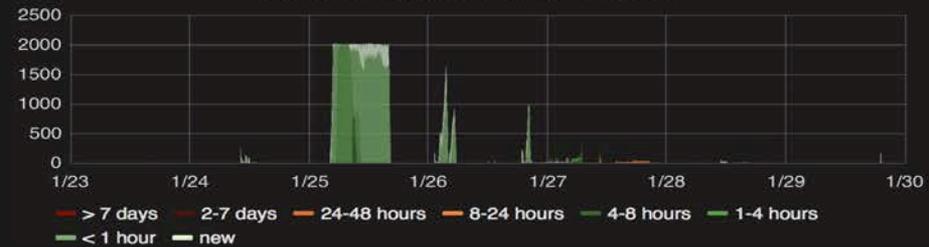
Average Time Spent Waiting in Queue (Production) [↗](#)

2.640 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 [↗](#)

9.9 TB

Total Data Cataloged [↗](#)

1.5 PB

- Period 01/23/2017 - 01/29/2017
- Average concurrent jobs was ~2400
- Job Success rate is very good
- Efficiency is low due to the production jobs and user jobs not being able to access the data on tape.