The MINERνA Operations Report
All Experimenters Meeting

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Jan 9, 2016
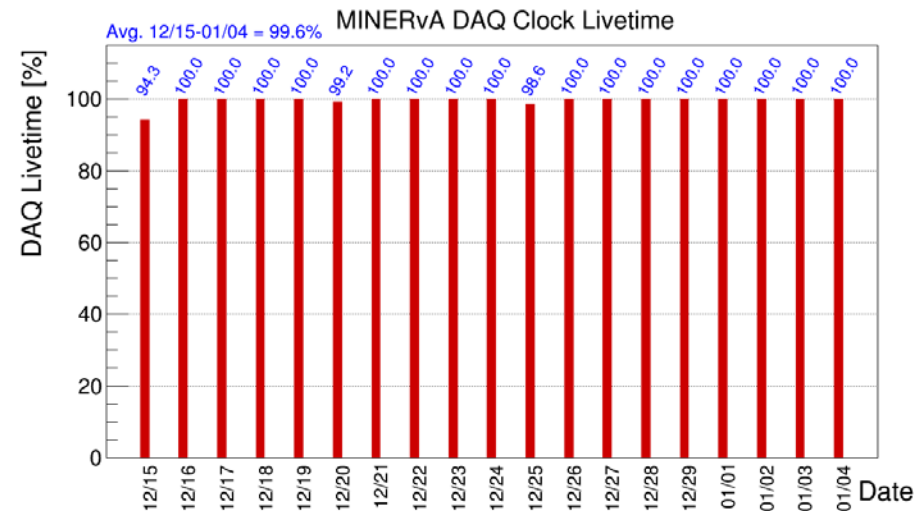
ν Data

Dec 15 to Jan 4, 4.69×10^{19} POT
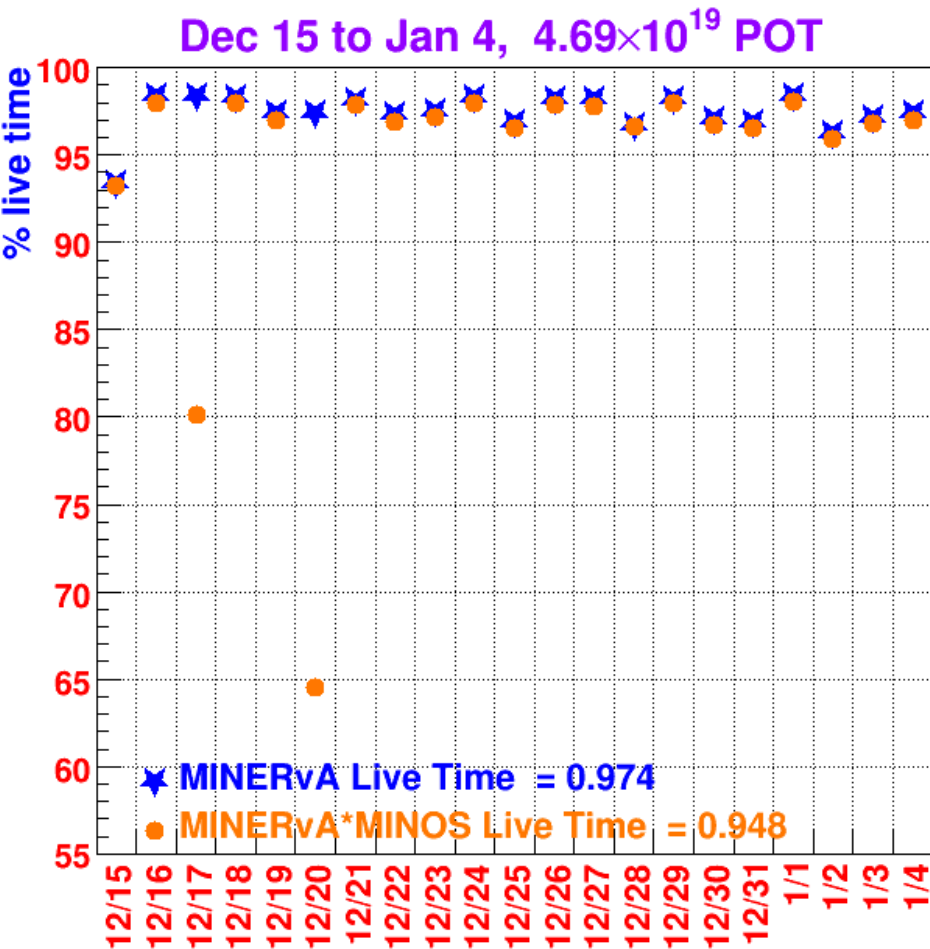
- Live Time – 12/15/16-1/4/17
- 4.69×10^{19} POT
- MINERvA POT 97.4% live
- MINERvA DAQ 99.6% live
- MINERvA*MINOS 94.8% live

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ν Data

- Dec 15 – 93.3% MINERvA live.
  - A chain gave DAQ errors a couple of times which stopped the run and prevented the run from starting. After resetting the chain, the DAQ ran smoothly. This chain has not given DAQ errors since.
- Dec 17- 80.2% MINOS live, & Dec 20 – 64.5% MINOS live
  - Both lower live times appear to be due to the same problem, but problem was not understood until Dec 20.
  - 2 log files with authentication errors from Kerberos and the data files filled up the disk. The log files took ~ 60% of the disk.
  - The RC does not give an error when the disk is full.

Jan 9-10 Shutdown
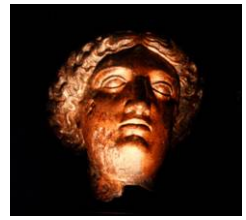
- MINOS
  - Replacing ~ 4 or more MINDER boards, those with CAP-ID errors and hot channels.

- MINERvA
  - The low gain ADC channels are used when medium gain channels overflow. The medium gain channels rarely overflow. About 1% of the slow gain channels have a problem storing the charge. We are pulling off ~ 3 FEBs to see if we can understand what the problems is.
    - This will require removing the roof.

MINERvA Computing Summary
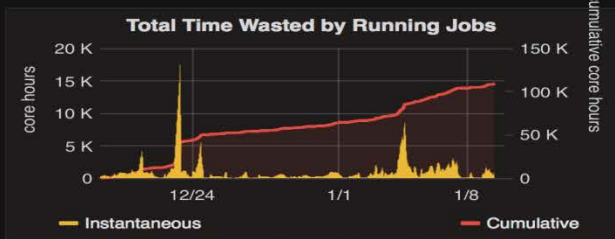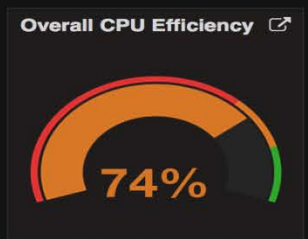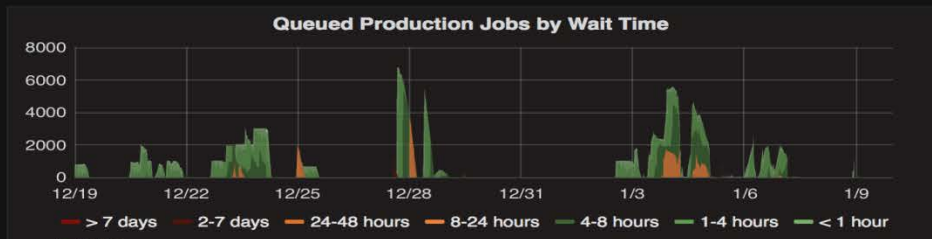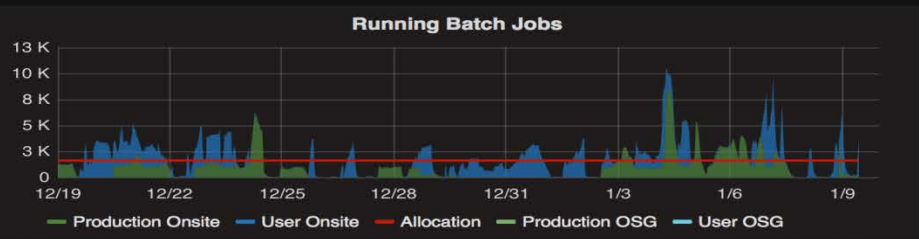
- Period 12/19/2016 - 01/09/2017
- Average concurrent jobs are lower than quota
- Job Success rate is very good
- Efficiency is slightly low. Appears to be a production inefficiency due to jobs trying to access the MINOS data base, mainly around 12/24/2016.

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