The MINERvA Operations Report

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for the MINERvA Collaboration

All Experimenters Meeting

15 May 2017

Live Time and Data

May 4 - May 10, 2017: POT Delivered = 1.57×10^{19}

MINERvA DAQ Clock Live Time = 99.4%

MINERvA Live Time = 96.8%
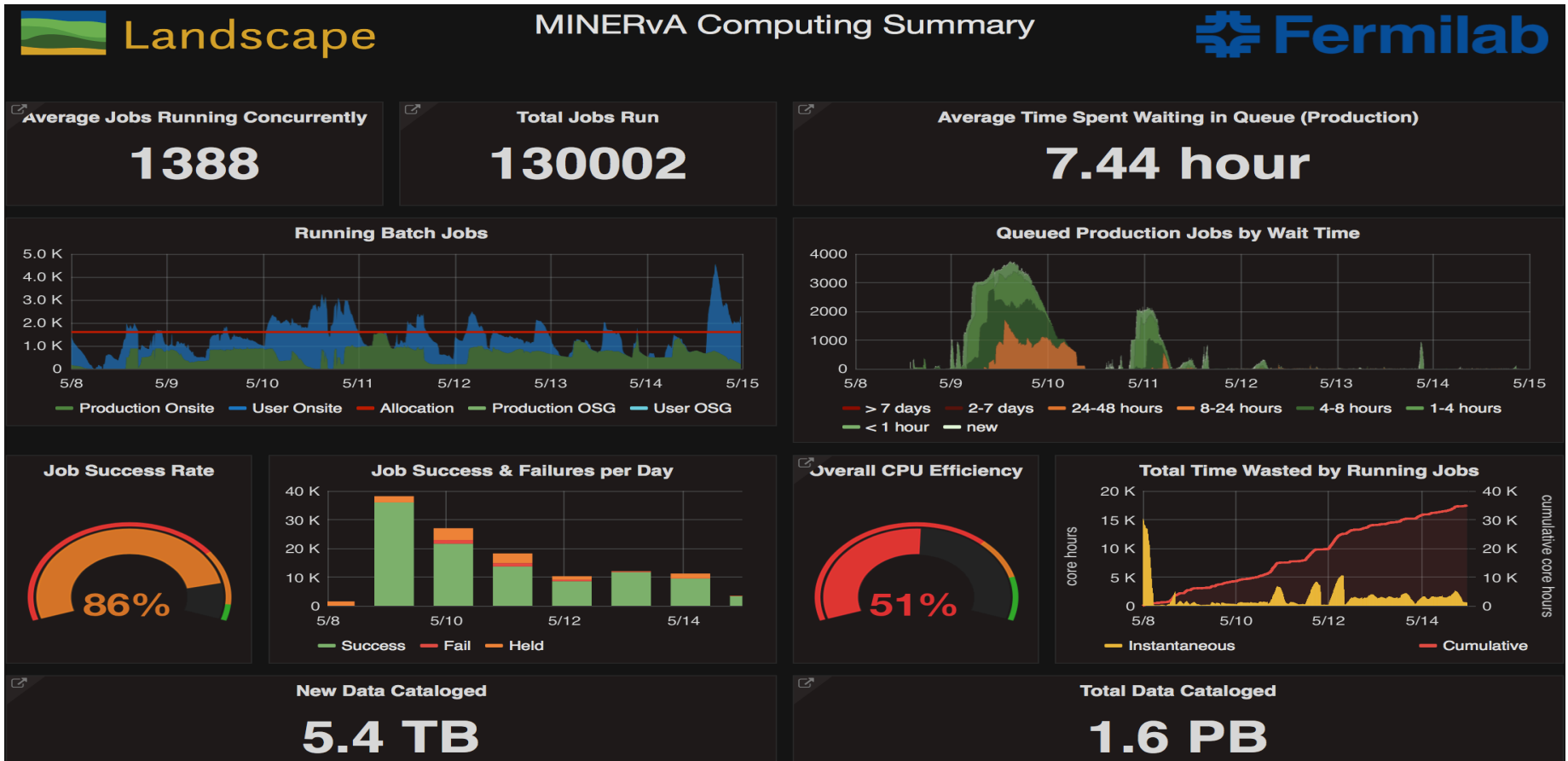
MINERvA×MINOS Live Time = 95.6%
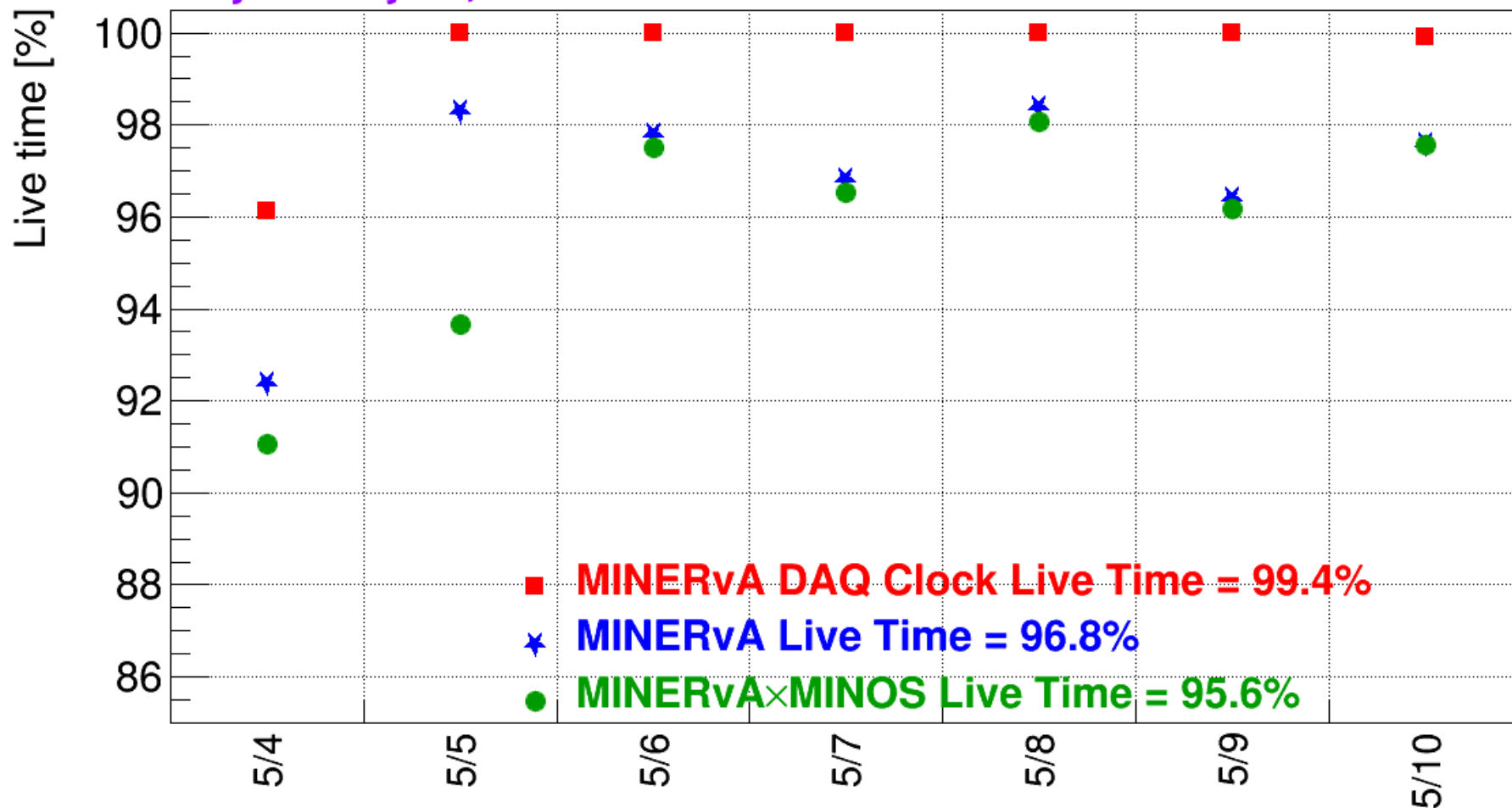
Miscellaneous Updates

❑ 05/04 Thu – MINERvA DAQ stopped with a communication error between Front End Boards and it's Controller on few chains. We recovered after few software resets, but lost few hours of beam.
  • few MINERvA files failed to process
  • noisy ADC channel, replaced MINOS minder

❑ 05/05 Fri – Another noisy channel on MINOS. Recalibrated the crate and the detector. The channel is back to normal.

➢ Turned off MINERvA and MINOS detectors before the power outage this morning. Will turn them back on after the last outage this evening.

Computing

MINERvA Computing Summary — Landscape — Fermilab

Average Jobs Running Concurrently: 1388

Total Jobs Run: 130002

Average Time Spent Waiting in Queue (Production): 7.44 hour

Job Success Rate: 86%

Overall CPU Efficiency: 51%

New Data Cataloged: 5.4 TB

Total Data Cataloged: 1.6 PB

- Average concurrent jobs are lower than quota

- Job Success rate is slightly low, users' job connecting MINOS DB got slower and caught by time limit (8h)

- Overall CPU Efficiency is low due to MINOS DB access issue. Experts are working on re-optimizing connection parameters with DB admins from SCD.

Period 05/08 - 05/14, 2017

Thank You