

The MINERvA Operations Report

Nuruzzaman

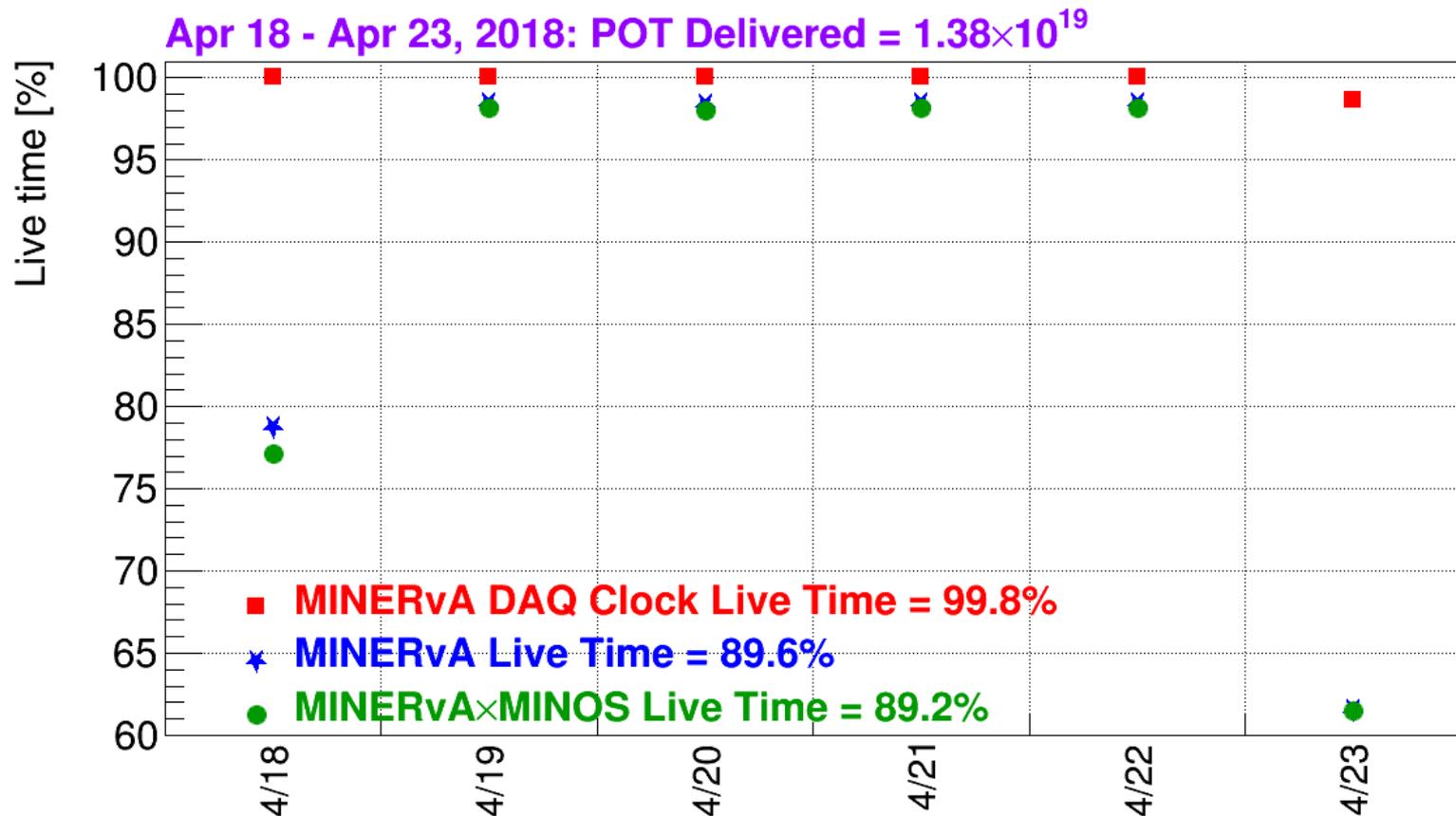
(home.fnal.gov/~nur/)

for the MINERvA Collaboration

All Experimenters Meeting

30 April 2018

Live Time and Data



- 04/18, 04/23-04/25 – Low/0 efficiency because of the rawdata and corresponding rawdigits are not getting into the tape. There is a large backlog of files. Experts are working on it.

Other Updates

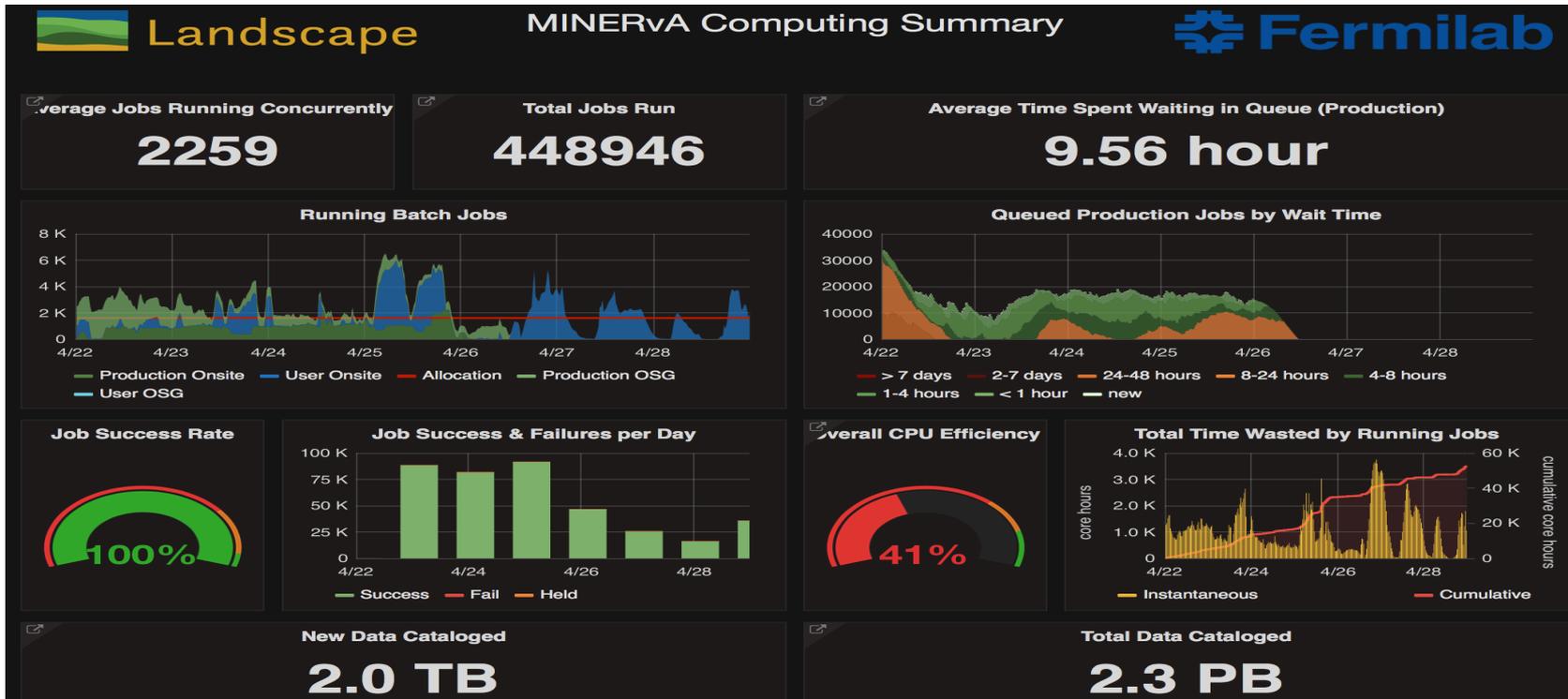


- ❑ 04/23 Mon – MINOS magnet power supply failed early morning
- ❑ 04/24 Tue – MINOS came back online in the afternoon
 - The contactor for the power ON button was broken we replaced the contactor, and this fixed the trips at low currents.
 - The DCCT circuit board had at least one or more bad capacitors. Walt replaced them and measured the currents and voltage drops which now looked good. After these fixes, we succeeded in bringing the power supply up to full current and has been running smoothly so far.
 - In addition, the ACnet script was turning the magnet on rapidly almost instantaneously. It is fixed now and ramps the magnet correctly.

Thanks Steve Hahn, Walt Jaskierny, Brian Hendricks, and Tyler Griffin!

- ❑ 04/25 Wed – No beam
 - Replaced a MINDER board for MINOS with hot channels

Computing



- Average concurrent jobs are higher than quota (average quota is ~1600) due to production job
- Job success rate is 100%
- Overall CPU efficiency is 41%
 - One user's analysis job failed due to incorrect input file handling
 - Production GENIE (generator) stage still has low efficiency with a short job duration (average of waste time is ~20min)

Period 04/23 - 04/29, 2018



Thank You