

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester

Nov 14, 2016



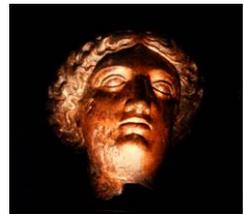
v Data



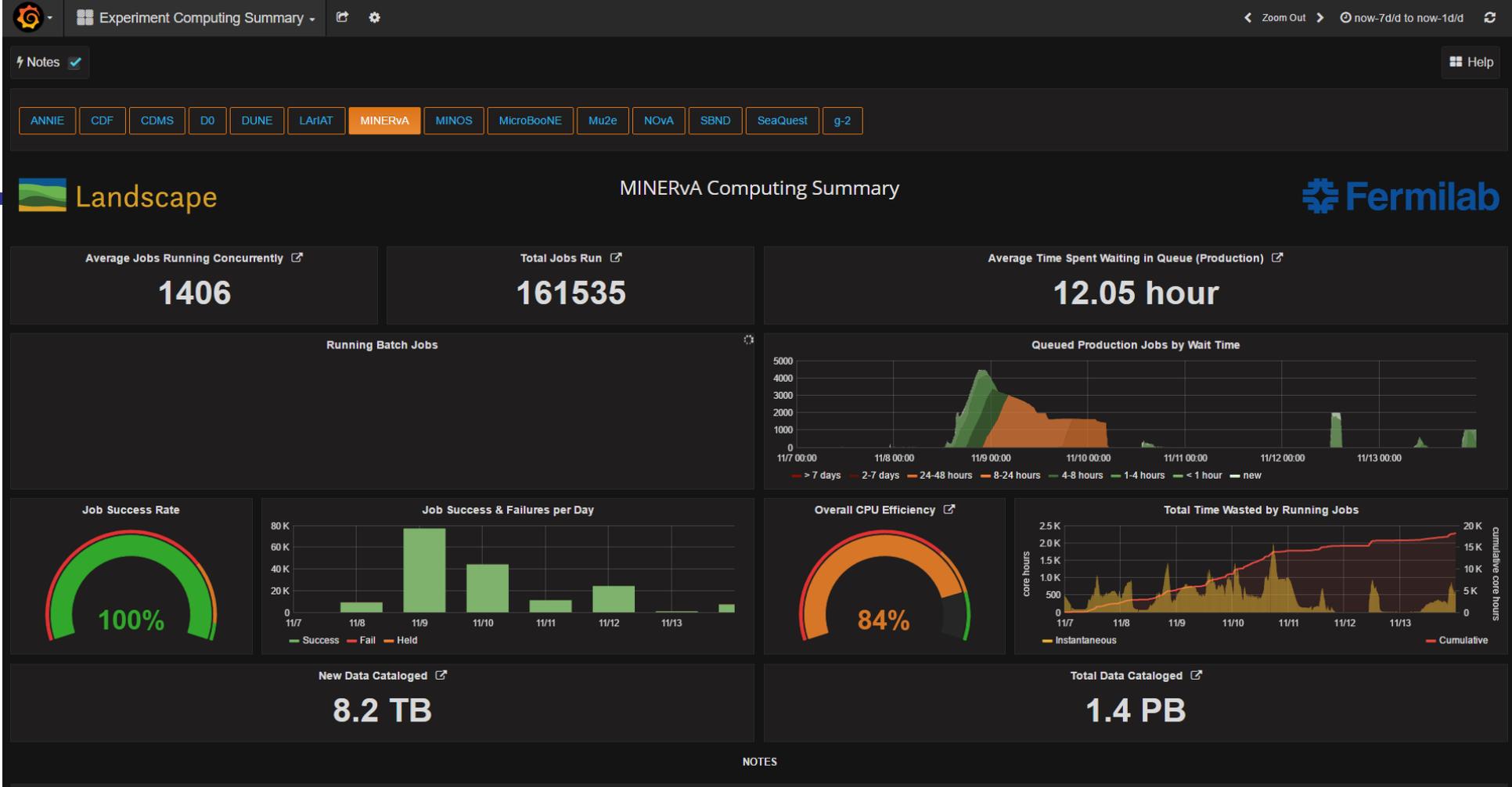
- At the start of beam on Nov 10 2016, we started taking data.
- Both MINERvA and MINOS DAQ running well.
- We have not encounter any problem with the v97 download.
 - V97 is the FEB firmware which increases our live time.
 - FEB is the MINERvA front end board
- However, our near line system which looks at data quality is not working.
 - 2 versions of near line
 - Present version, based on SLF5 on logger04 computer.
 - Future version, new version based on SLF6 on logger06 computer.
 - In trying to install an upgraded unpacking code on logger04, the software script for logger06 was used. This damaged the near line system on logger04.
 - We are working on 2 options which have good chance of working. We talked to the SLAM group about help.



ν Data



- We are checking the data with programs that don't use the near line. The data appears fine.
 - We found one FEB that needs to be replaced. This will be replaced when the near line is working.
- The MINERvA rawdata files are not being copied to BlueArc. We are saving them to 2 separate areas to be sure they are safe.
 - The problem has been found.
- The MINOS DAQ is running well.
 - The magnet was in neutrino mode during the weekend, even though the beam was in reverse horn current mode.
 - There is a MINDER board (MINOS front end board) with a noisy channel that will be replaced today as there is no beam
 - The MINOS keepup is not running. Being worked on.
 - The MINOS beam quality plot states the MINOS efficiency is 0 due to bad beam. This probably means the MINOS beam data files are not being created. Being worked on.



- Period 11/7-11/14
- We are running close to our quota.
- Success Rate is very good
- Efficiency is slightly low. Investigating why this is lower.