

The MINERvA Operations Report All Experimenters Meeting

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MINERvA



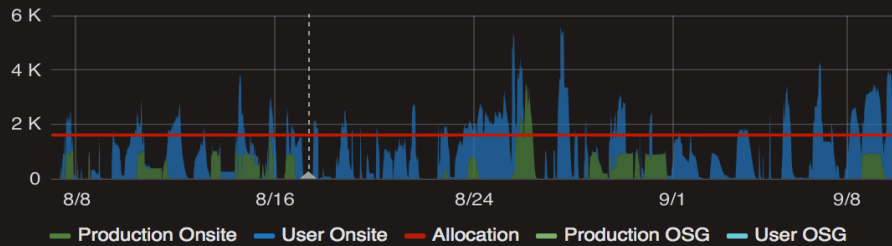
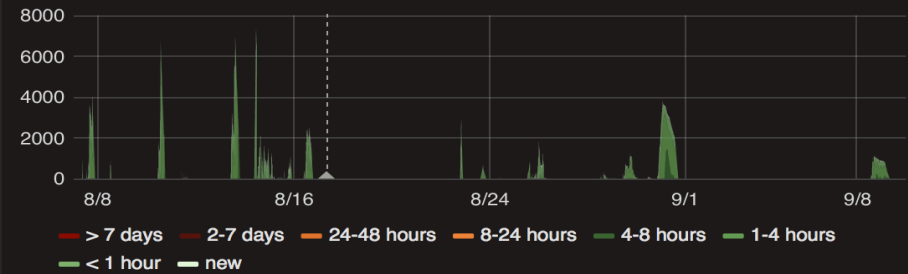
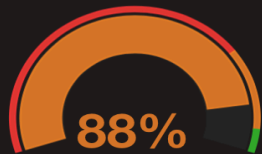
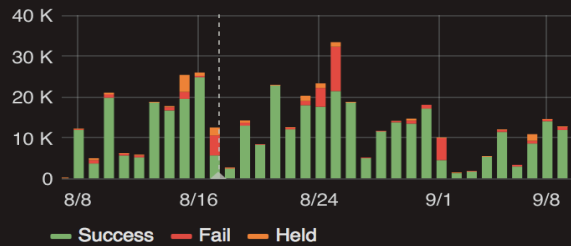
- Leave MINERvA & MINOS off till after the Sep 14 power outage
- We have replaced all the v2 CROCEs with v3 CROCEs. The v3 CROCEs allows us to reset the CROCE in software. With the v2 CROCEs we had to press a button on the CROCEs inside the crate. To do this we need to remove a front panel for each CROCE that needed to be reset. The DAQ works fine with v3 CROCs.
- Working on the spare DAQ computer.
- During the shutdown, the underground near line machine quit syncing the online information to BlueArc. Just before the Sep 11 power outage, we have been able to manually sync the information to BlueArc.
- We will be replacing ~ 13 FEBs
 - 11 FEBs have a problem with the low charge output.
 - The low is only occasionally used in analysis.
- Two PMTs had HV problems, but the HV problems went away after the Aug 30 power outage.
 - Will the HV problems come back? Sometimes HV problems come back & sometimes they don't.
- Add VMware Windows XP instance to readout MINERvA cameras

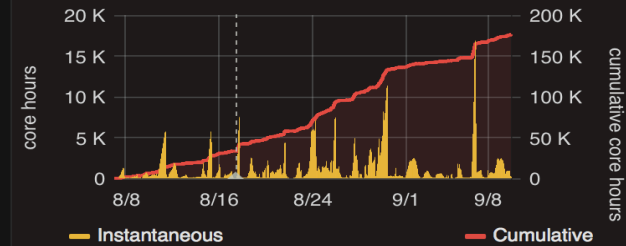


MINOS



- The MINOS magnet polarity reversing switch is broken and cannot be fixed. We are right now in RHC mode. The magnet power leads need to be switched at the power supply to change the polarity of the MINOS magnet.
- Replace the water for the LCW skid with distilled water. At same time do other work such as replace a flow meter & filters in filter cylinder.
- Check the fans in the DAQ computers. The two computers claim they are hot.
- Replace filters for all the racks & clean dust from the 2 HV crates.
- Check a PMT that seems to have a problem in the cosmic gate. Probably the dynode out is bad.
 - The CR trigger is the dynode out while the beam trigger is A9.

Aug 7- Sep 10
Average Jobs Running Concurrently
1171
Total Jobs Run
413006
Average Time Spent Waiting in Queue (Production)
1.129 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
21.6 TB
Total Data Cataloged
1.7 PB

- Average concurrent jobs are lower than quota
- Job success rate is good (~88%)
- Overall CPU efficiency 71% is slightly low due to analysis users' jobs
 - There were a variety of individual issues.