# The MINER$\nu$A Operations Report
# All Experimenters Meeting

## Howard Budd, University of Rochester
## Mar 19, 2018

# ν Data



Mar 8 - Mar 14, 2018: POT Delivered = $1.85 \times 10^{19}$

- MINERvA DAQ Clock Live Time = 100.0%
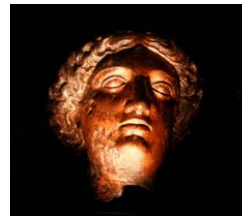- MINERvA Live Time = 97.6%
- MINERvA×MINOS Live Time = 97.1%
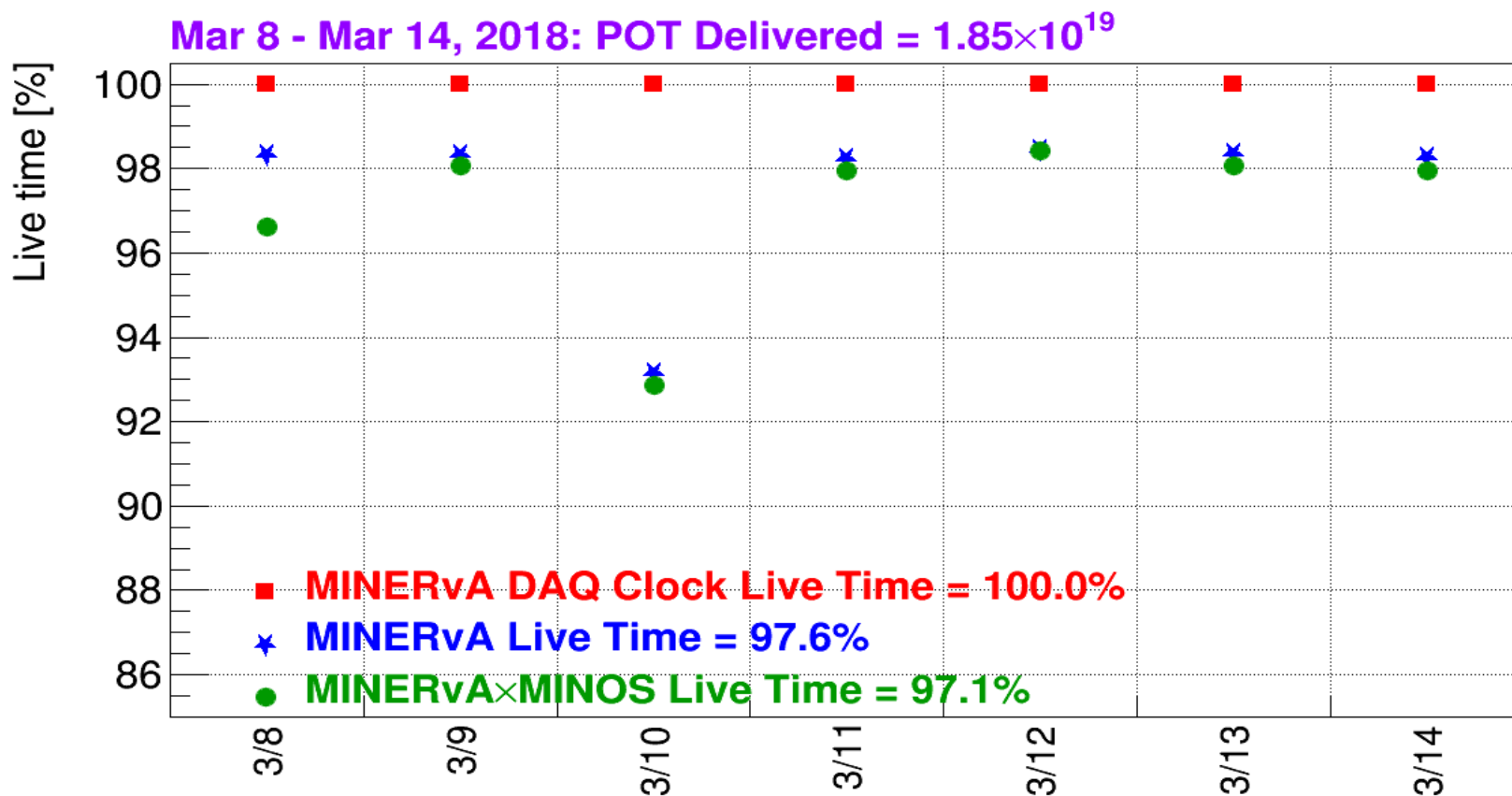
- Mar 10, 93.2% MINERvA live
  - 4 subruns did not get analyzed by keepup. The raw data exists.

# Hardware Replacements
# During Mar 20-21 Shutdown

- We will replace 1 MINERvA FEB and a couple of MINOS MINDER boards.
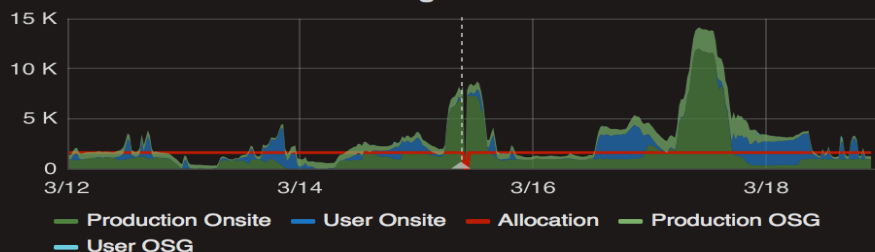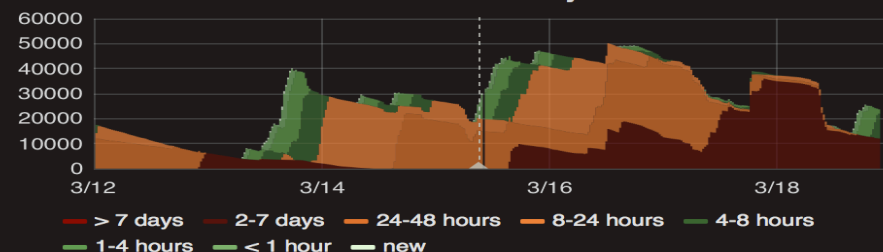
## Mar 12 - 18



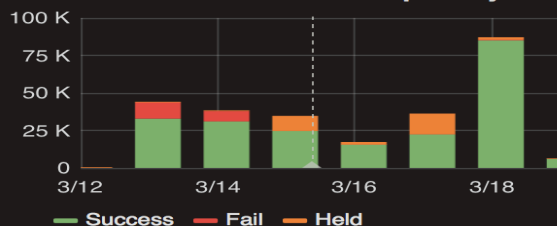**Average Jobs Running Concurrently**
**3060**

**Total Jobs Run**
**291013**

**Average Time Spent Waiting in Queue (Production)**
**1.96 day**

**Running Batch Jobs** — Production Onsite, User Onsite, Allocation, Production OSG, User OSG

**Queued Production Jobs by Wait Time** — > 7 days, 2-7 days, 24-48 hours, 8-24 hours, 4-8 hours, 1-4 hours, < 1 hour, new

**Job Success Rate** — 82%

**Job Success & Failures per Day** — Success, Fail, Held

**Overall CPU Efficiency** — 8%

**Total Time Wasted by Running Jobs** — Instantaneous, Cumulative
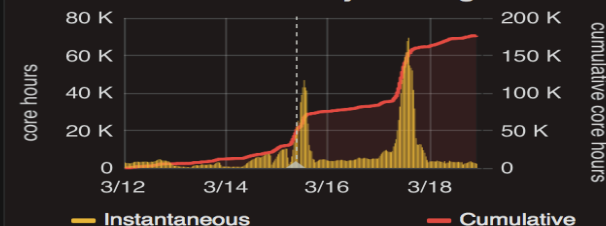
**New Data Cataloged**
**0.3 TB**

**Total Data Cataloged**
**2.1 PB**

- Average concurrent jobs are higher than quota (~1600) due to production job

- Job success rate is low due to missing library in one of OSG sites for production job and wrong setup for one of analyzer job.

- CPU efficiency is very low due to accessing flux files from cvmfs area

    - The efficiency was under-estimated for generator stage of production job (FIFEMon reported ~2% efficiency for ~35% CPU efficiency job from FIFE Summary)