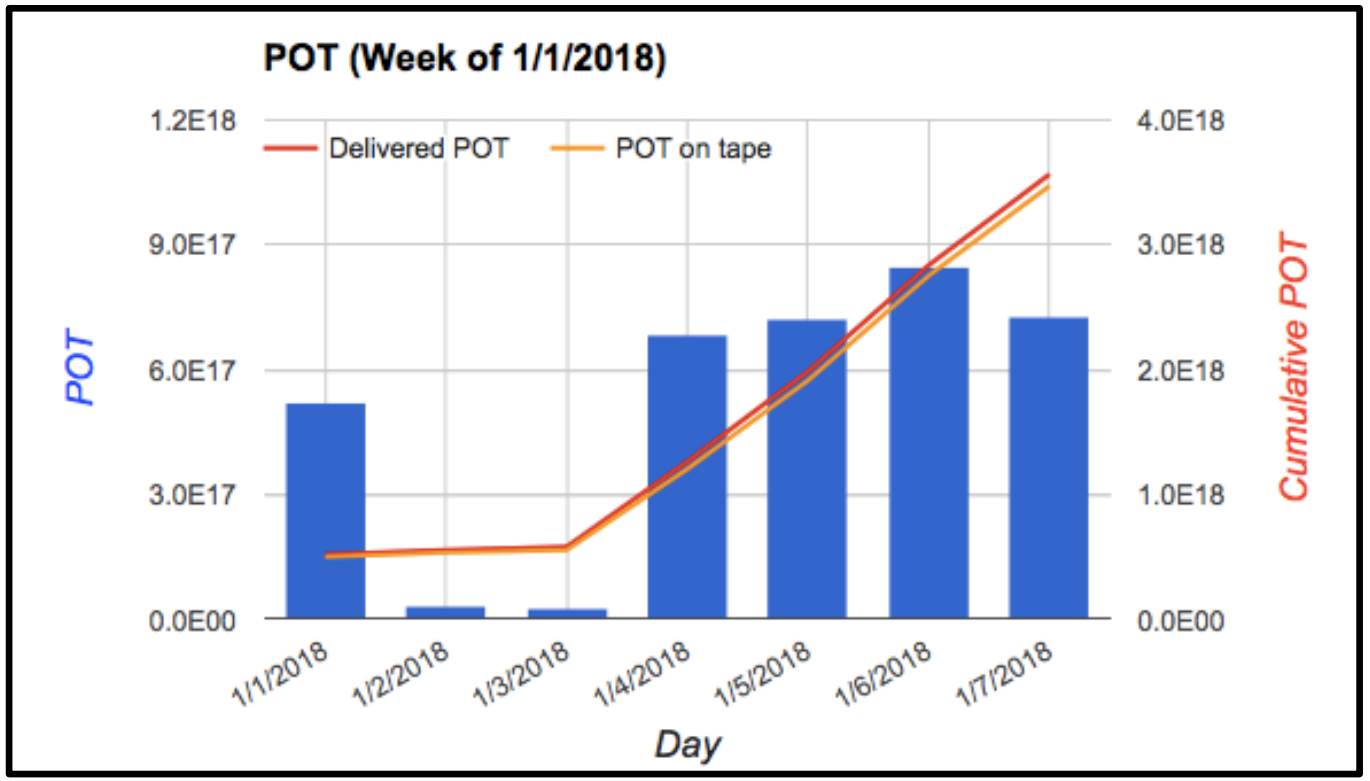
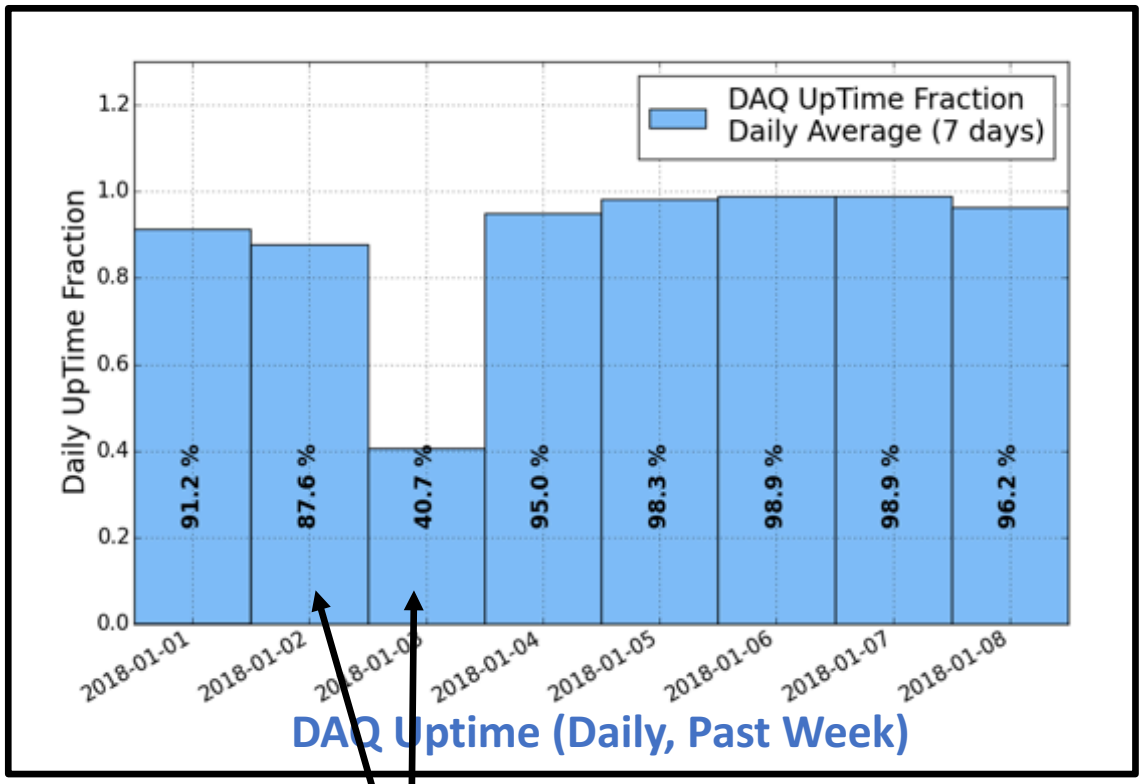
MicroBooNE Experiment report (2018/01/01 – 2018/01/08)

Varuna Meddage on behalf to MicroBooNE collaberation

Beam Statistics





DAQ Uptime (Daily, Past Week)

Total POT delivered : **3.5634 X 10^{18}**

Total POT recorded on the tape : **3.4701X10^{18}**

Unstable DAQ

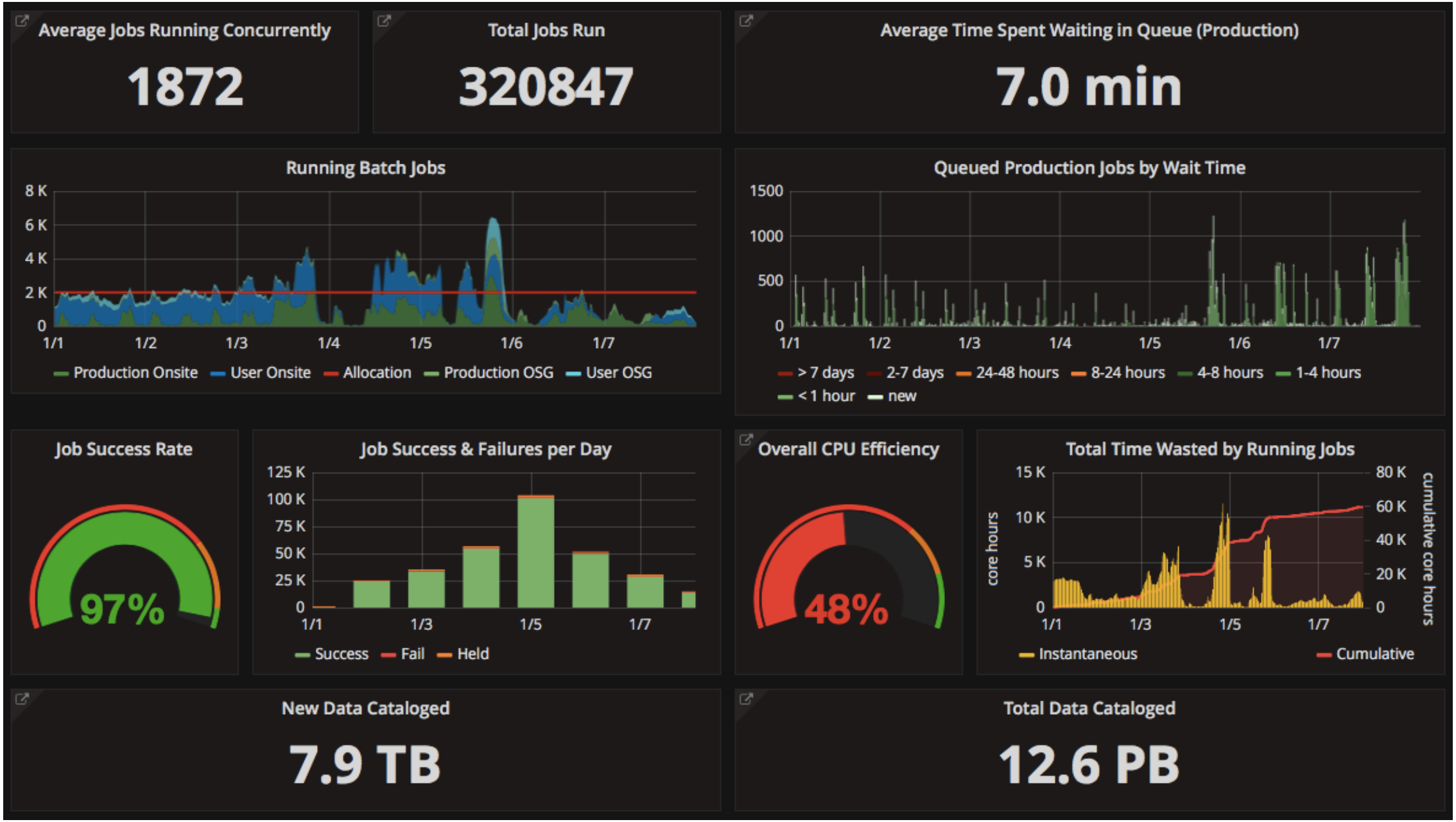
Average BNB Uptime :**71%**

Average POT-Weighted DAQ Uptime : **97.4%**

Unstable DAQ

- Had a disk failure identified just before the holidays in **ubdaq-prod-evb** machine
- Disk was replaced last Tuesday and the RAID started to rebuild itself after the replacement
- Resulted an overflow in I/O resources in the evb machine causing a very unstable DAQ
- January 3 rd RAID rebuild was identified as the cause for crashing DAQ and DAQ was stopped ~ 9.30 am to give priority to RAID rebuild
- When the RAID rebuild was over, we were back to a normal DAQ

Computing Summary



Cryo Work

- January 3 rd in the weekly cryo walk through, the **liquid Ar pump No. 1** was found to be making a strange noise
- Most likely reason is, bearing beginning to fail
- No immediate safety concerns but planning to replace the pump soon

Summary

- MicorBooNE is running smoothly with continuous neutrino data taking
- DAQ issue was resolved and have very stable DAQ
- No immediate safety issues with failing liquid Ar pump at the moment and will be replaced soon