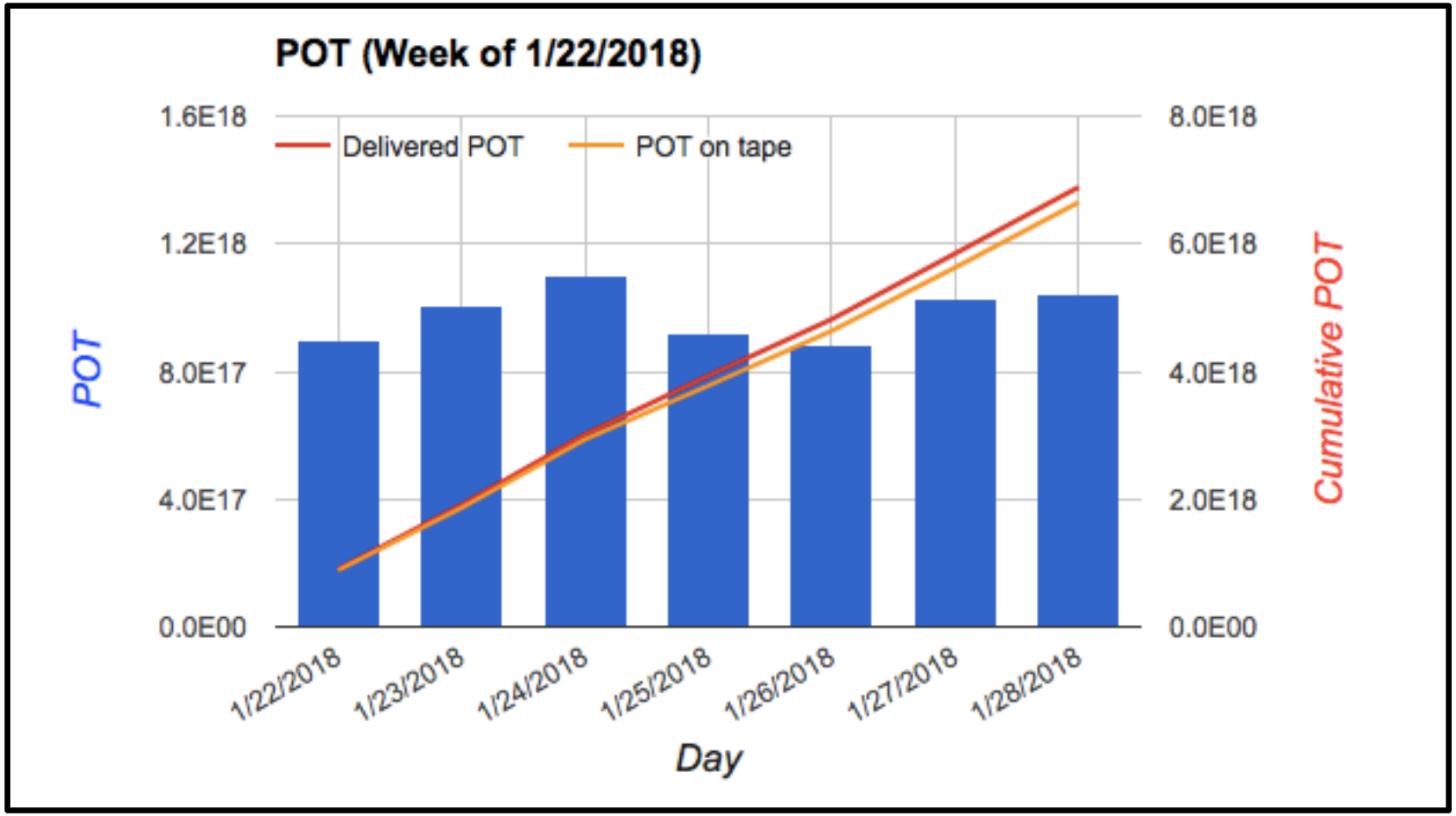




# MicroBooNE Experiment report (2018/01/22 – 2018/01/29)

**Varuna Meddage on behalf to MicroBooNE collaboration**




Total POT delivered : **$6.8873 \times 10^{18}$**

Total POT recorded on the tape : **$6.6488 \times 10^{18}$**

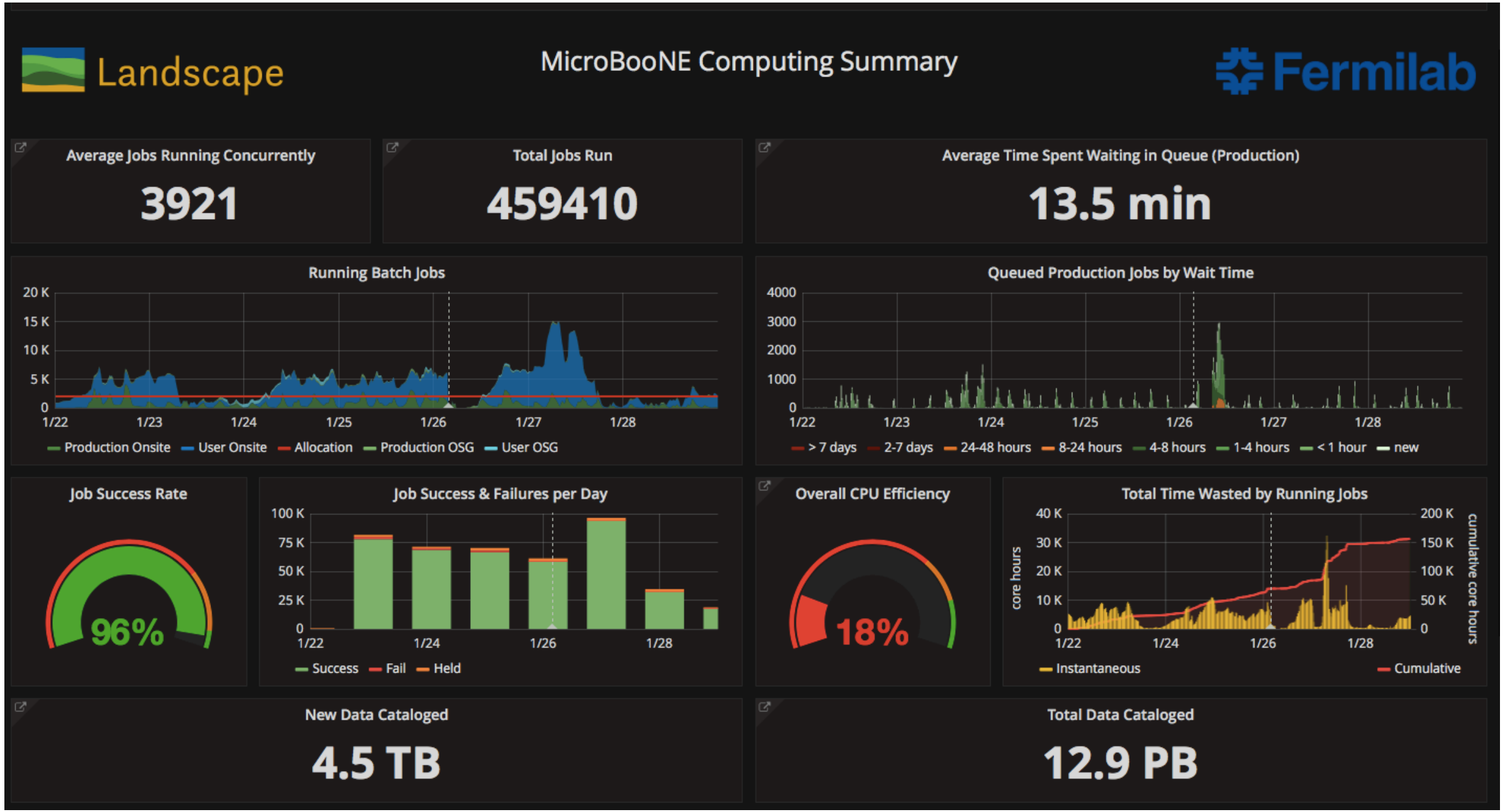
Average BNB Uptime : **94%**

Average POT-Weighted DAQ Uptime : **96.5%**

# During the last week

- Liquid Ar pump No. 1 was pulled out from the pit (rotor was damaged)
- Near 1 machine began crashing continuously (Wednesday)
  - Seemed to be a network card issue
  - Vendor was called and took the machine off site (Thursday)
- Event builder machine was also crashing continuously (Thursday)
  - Prevented data taking
  - MCR was called to stop the beam
  - Disabling ACPI in the BIOS stopped the crashing (problem is with the mother board power regulator)
  - Test stand evb machine is stand by if the event builder fails again
- As two machines were down, slow mon. diagnostic and run control were down on Thursday
- Due to the recent DAQ failures and warranty on the DAQ system expiring soon, we are developing an emergency maintenance plan

# Computing Summary



# Low CPU efficiency

- I/O timing of large amount of productions jobs counting against our efficiency

- We are taking following steps to fix this issue
  - Switch to xrootd file streaming by default
  - Slim down file sizes by dropping data products
  - Reduce the number of less than 10 mins. long jobs by improving work flows
  - Move more worker node scripts to cvmfs to reduce the number of copy ins from the dCache

# Summary

- MicorBooNE is running smoothly with continuous neutrino data taking
- MicroBooNE’s large scale Monte-Carlo and data production continues