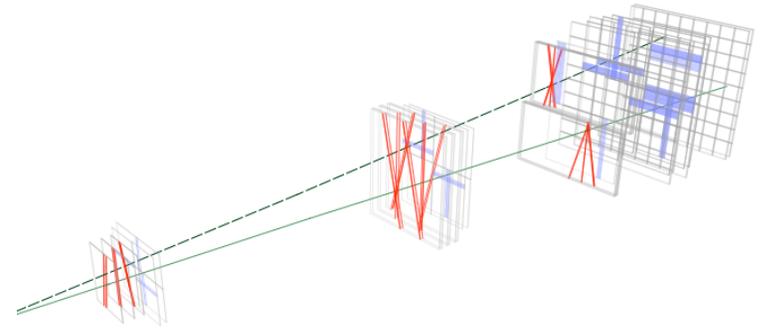
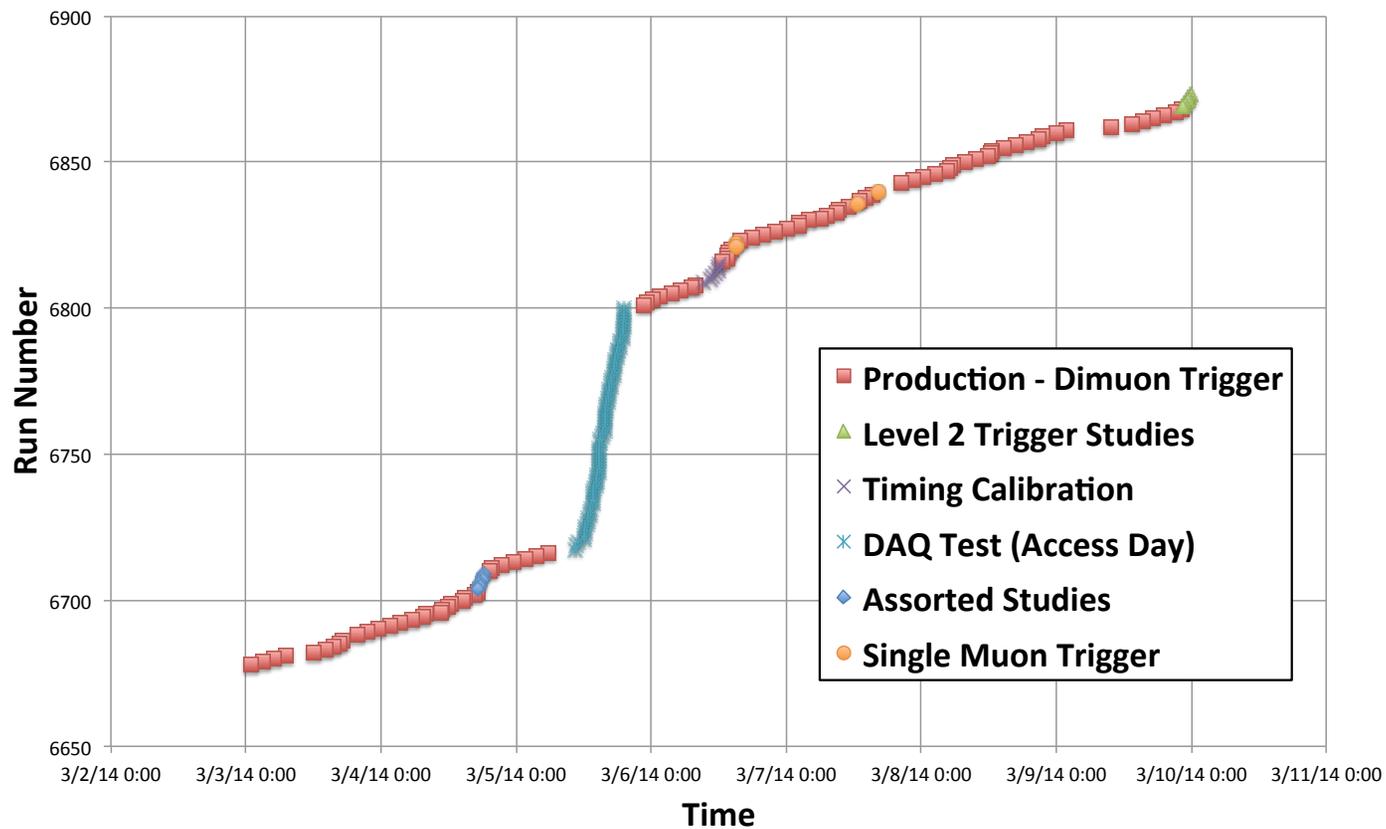


SeaQuest Status:

- Detectors operating with good efficiency
- Target system continues to operate reliably
- Beam-time usage last week:



SeaQuest Run Summary for March 3-March 9 2014



● **Planned Interruptions**

- ▶ Wednesday 07:00-19:30
 - Hodoscope planes centered
 - Drift chamber amplifier card replaced
 - Cherenkov monitor mirror replaced
 - Trigger tests
- ▶ Thursday (several short)
 - Timing adjustments

● **Significant unplanned interruptions**

- ▶ Monday 07:00- Accelerator problems (~4 hours)
- ▶ Thursday 19:00- DAQ crash (~2 hours) and subsequent NFS problems.
- ▶ Friday 16:30- Accelerator problems (~3 hours)
- ▶ Sunday 04:00- Primary network switch failed inside enclosure (~4 hours)

Ongoing Work and Next Steps

- Pressure gauge replacement for hydrogen target (currently running with backup)
- Reduce rate of background events – increased live time means increased collection efficiency.
 - ▶ Establish settings for Level 2 trigger (triggers on muon pair properties)
 - ▶ Optimize beam intensity trigger inhibit
 - ▶ Possibly veto conservatively on large event occupancies
- Begin standardized data productions: decoding and reconstruction on full dataset as it is collected
- Looking forward to further duty factor improvements from accelerator