

E906/SeaQuest AEM Meeting

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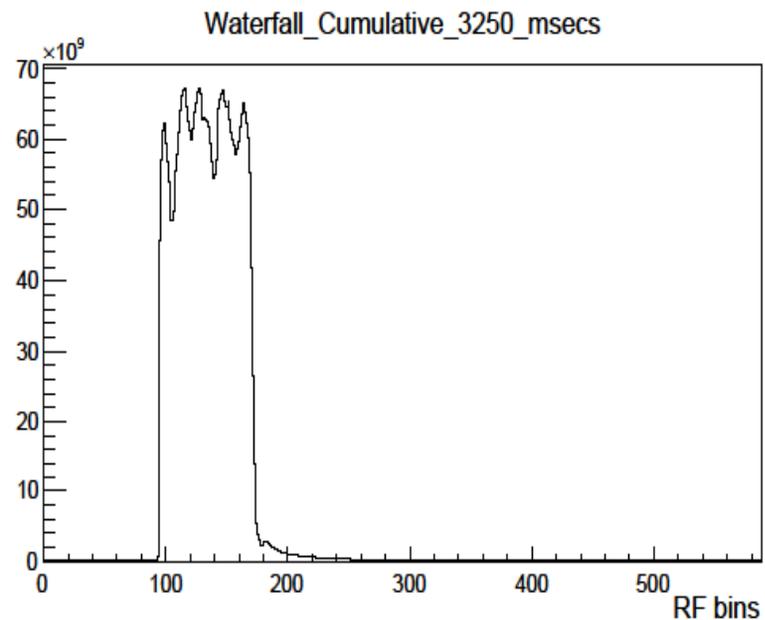
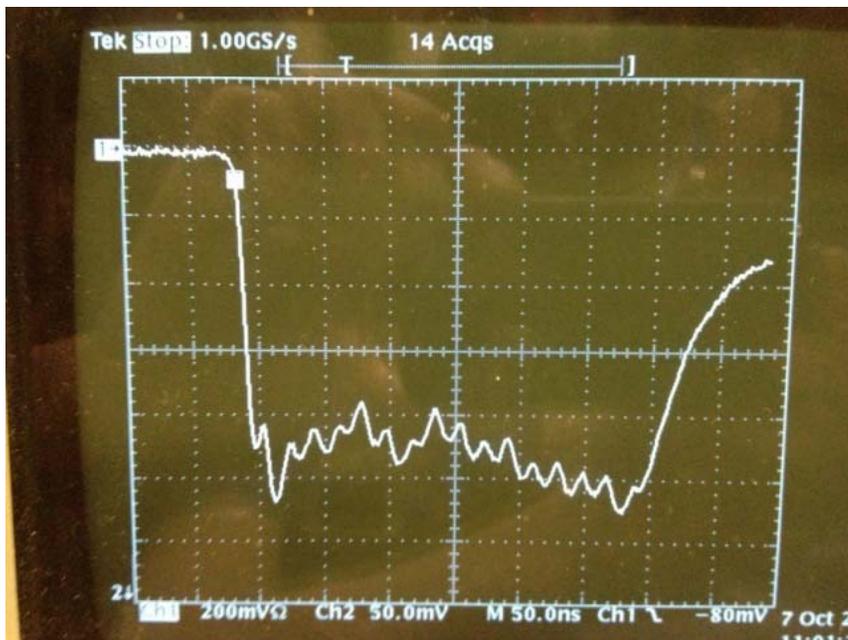
Received “2 week notice until beam” from Accelerator

→ Beam ~week of 10/28

Safety Walkthrough last week. Will have another walkthrough once issues have been addressed.

Beam Cerenkov Readout

- Beam Cerenkov readout board being tested/debugged.
- Beam can be seen using a scintillator at Mtest
- Calibration using MW1SEM on-going



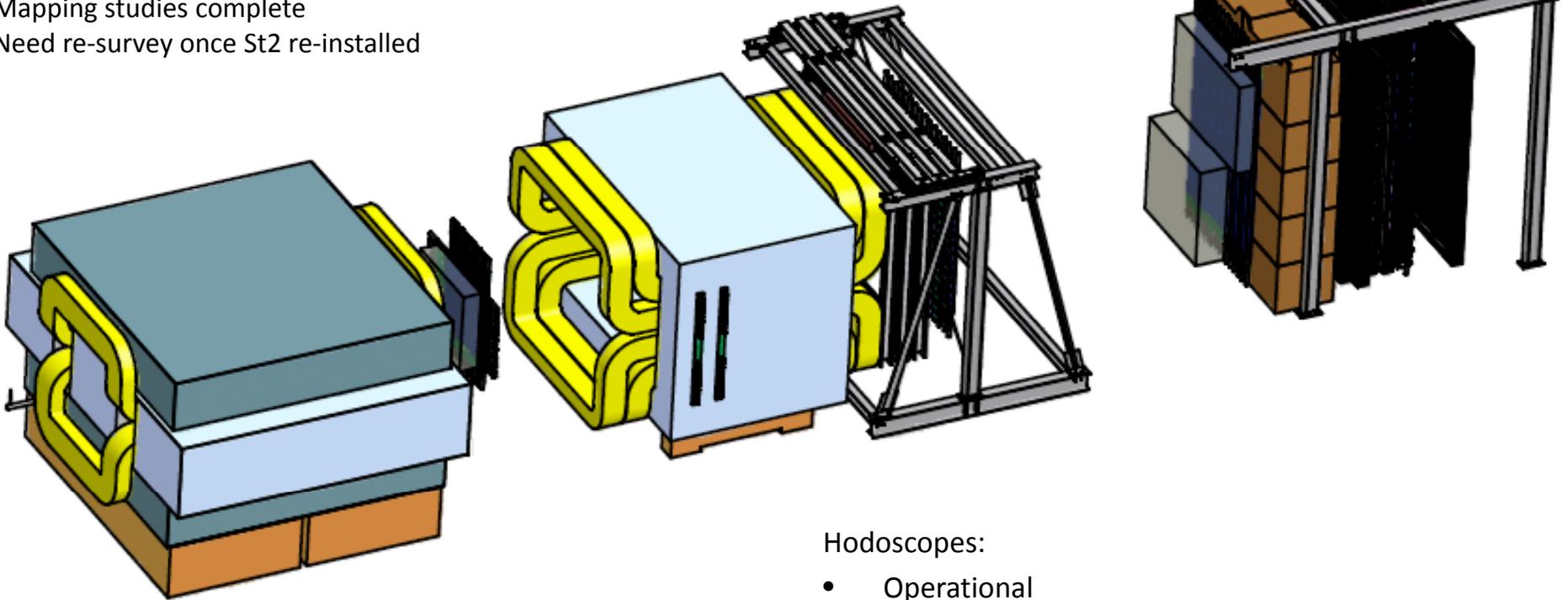
Detector

Chambers:

- St1: Need to replace noisy ASDQ cards (chamber readout cards)
- St2: U/U' needs to be repaired (dead short)
- St3+: Gas gain studies ongoing
- St3-: Gas gain studies ongoing
- St4:

Mapping studies complete

Need re-survey once St2 re-installed



Hodoscopes:

- Operational
- Cosmic studies ongoing.

Trigger Electronics

- Nine v1495 VME boards installed.
- 3-stage FPGA trigger system:
 - Level 0 (record signal arrival time)
 - Level 1 (Partial Top, Bottom, Left, and Right muon road check)
 - Level 2 (Full muon road check)
- Level 1 and 2 logic operational. Level 0 not recording hits – under investigation.

Software

- Decoder complete – optimization in progress.
 - Adding more features to online monitoring software.
 - Need to install new MySQL Database machine.
- ➔ Once all are complete, we can monitor data in realtime.