

SeaQuest Status:

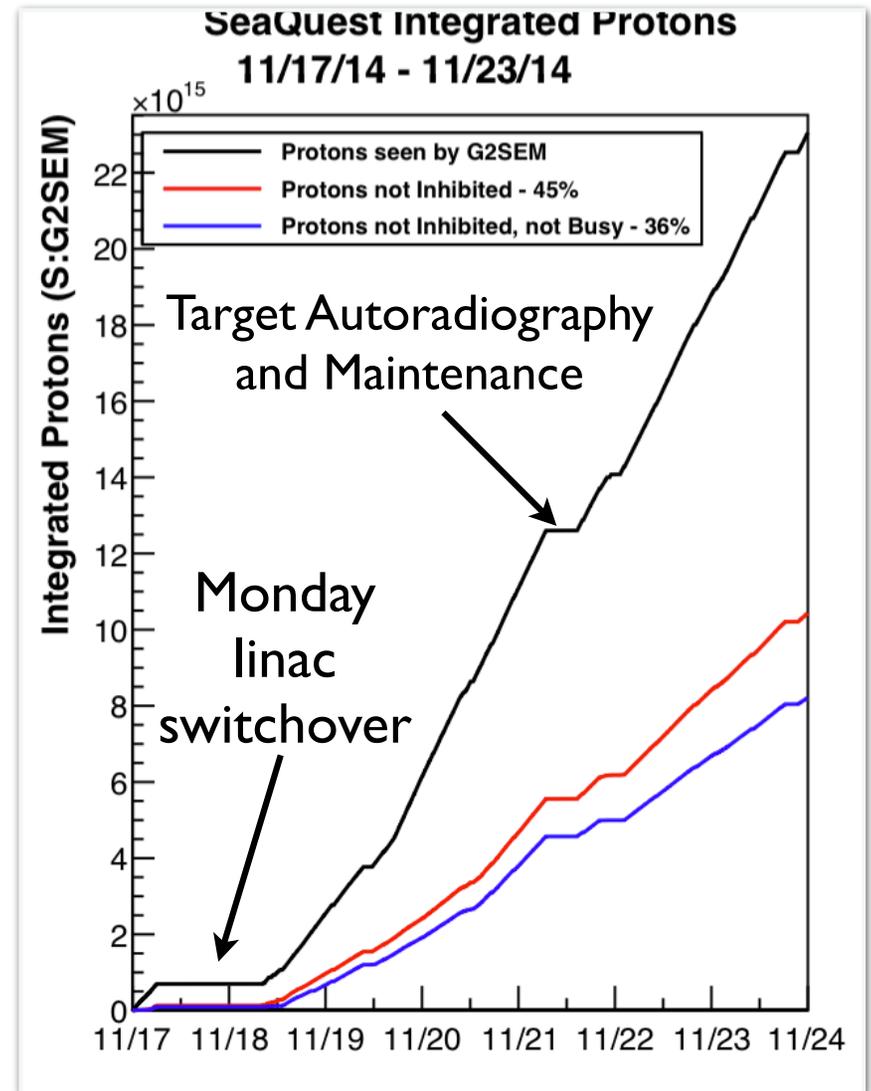
Taking data. Fine tuning after shutdown improvements.

RT Calibration data taken, processed, and available for offline decoding.

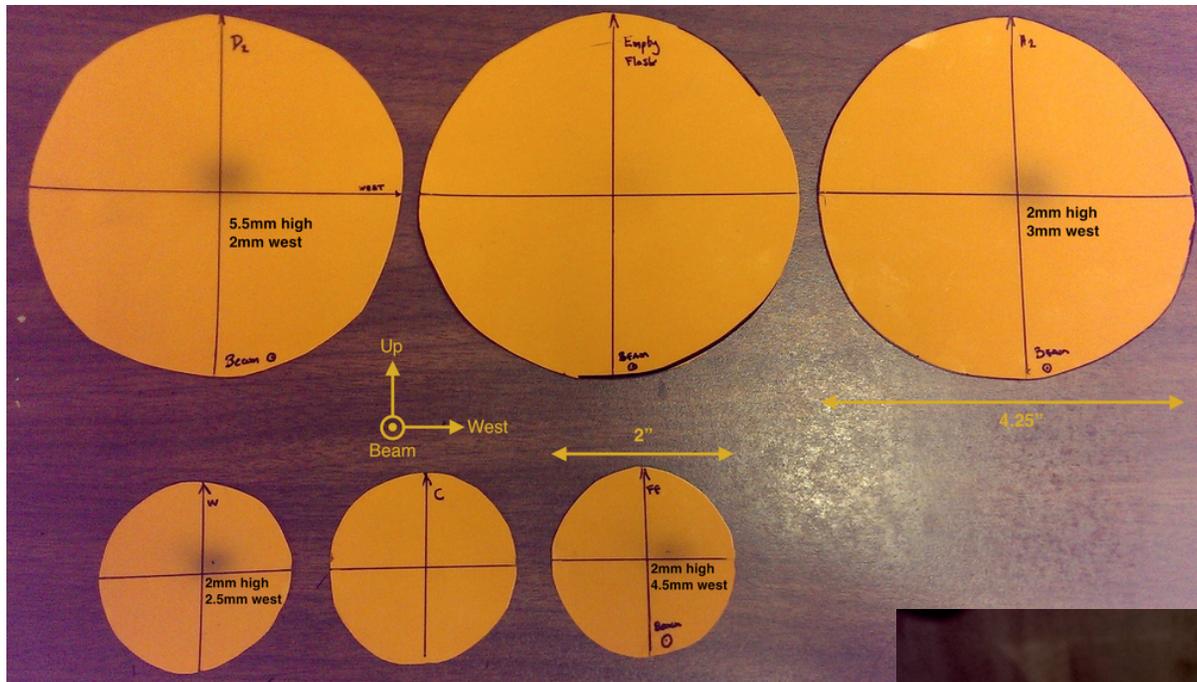
Trigger now synced to beam RF, new firmware installed tested and working.

Two significant interruptions last week:

- Linac switchover Monday (11/17)
- Autoradiography of targets and maintenance access for detector Friday (11/24)



Autoradiography of targets to find location of beam spots solid target or titanium window for liquid targets:



Three hour exposures reveal an offset of $\approx 3\text{mm}$ west and 2mm up. Acceptable as-is, but adjustments will be made.



D2 target was filled with H2, switching over now.

- Used less precious H2 to test target systems
- Wanted to wait for more information about switchback to Master Substation before warming and filling with LD2
- A generator was made available which means we can have blackout for a short period without warming the D2 cryotarget.

Preparing for the new Station I drift chambers

New chamber is in Lab 6

- ▶ Tension measurements completed
- ▶ Working on HV distribution cards.

New DAQ crates required to read-out additional channels. Switching to LINUX based VME controllers. Tested and working this week. Integration work with existing system will need to be performed (but procedure understood).