

E906/SeaQuest AEM report

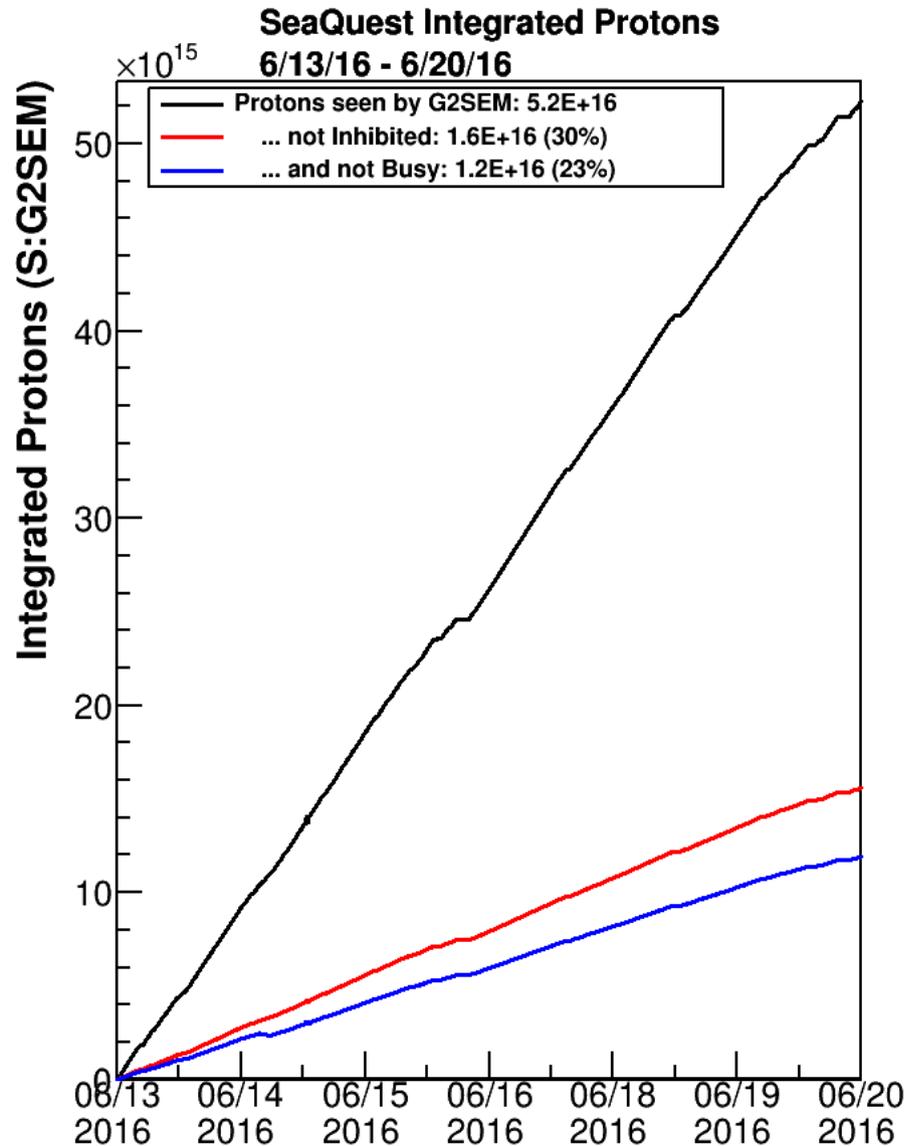
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2016, June 20

Beam and Target

- Taking data smoothly
- Targets are all doing well.

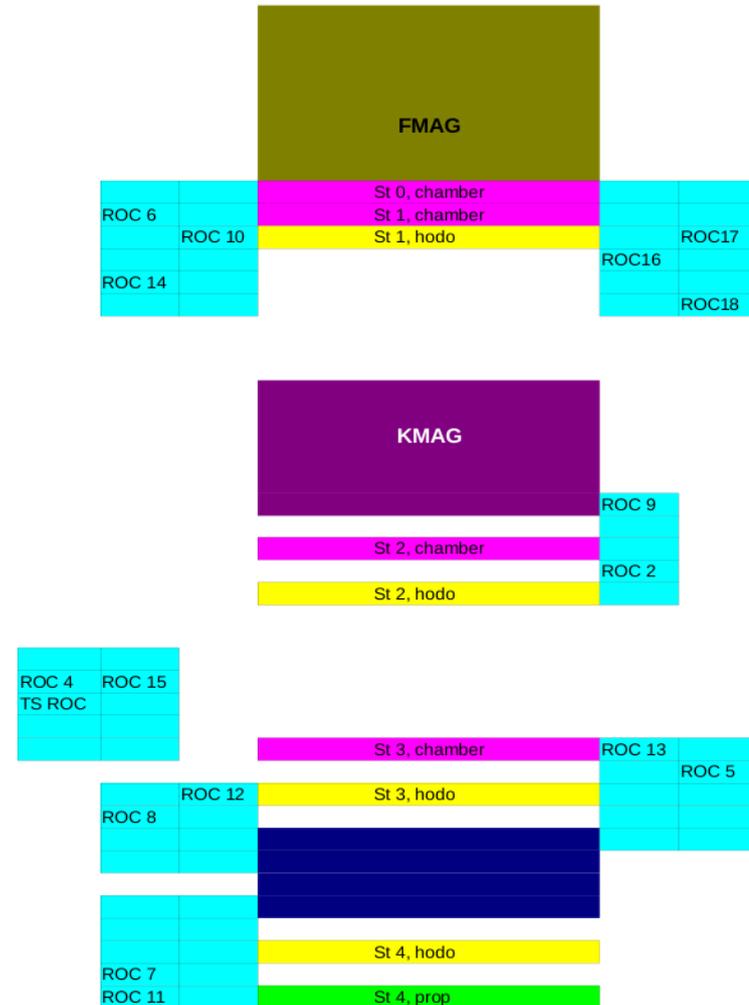


Detectors

- All chambers, hodoscope counters and proptubes are doing well.
- Continue fine tuning the gas mixture of the St.1 chamber.
- Minor adjustment, $\pm 20V$, on the HV of the chambers. Should not affect the R-T curves.

DAQ and Trigger

- Occasional crashing with individual ROC or TDC:
 - Normally rebooting, power cycling would fix the issue and back on data taking.
 - Most noticeable ones are ROC14 and TS crate.
 - ROC14 has overheating issue, added fan to help cool it down. Watching it closely.
- Triggers work well.



Future possible upgrades

- Reduce DAQ dead time
- Reduce random combination in trigger

Summary

- E906/SeaQuest has been taking data smoothly.
- Many thanks to AD for the beam and everyone that help resolving issues.