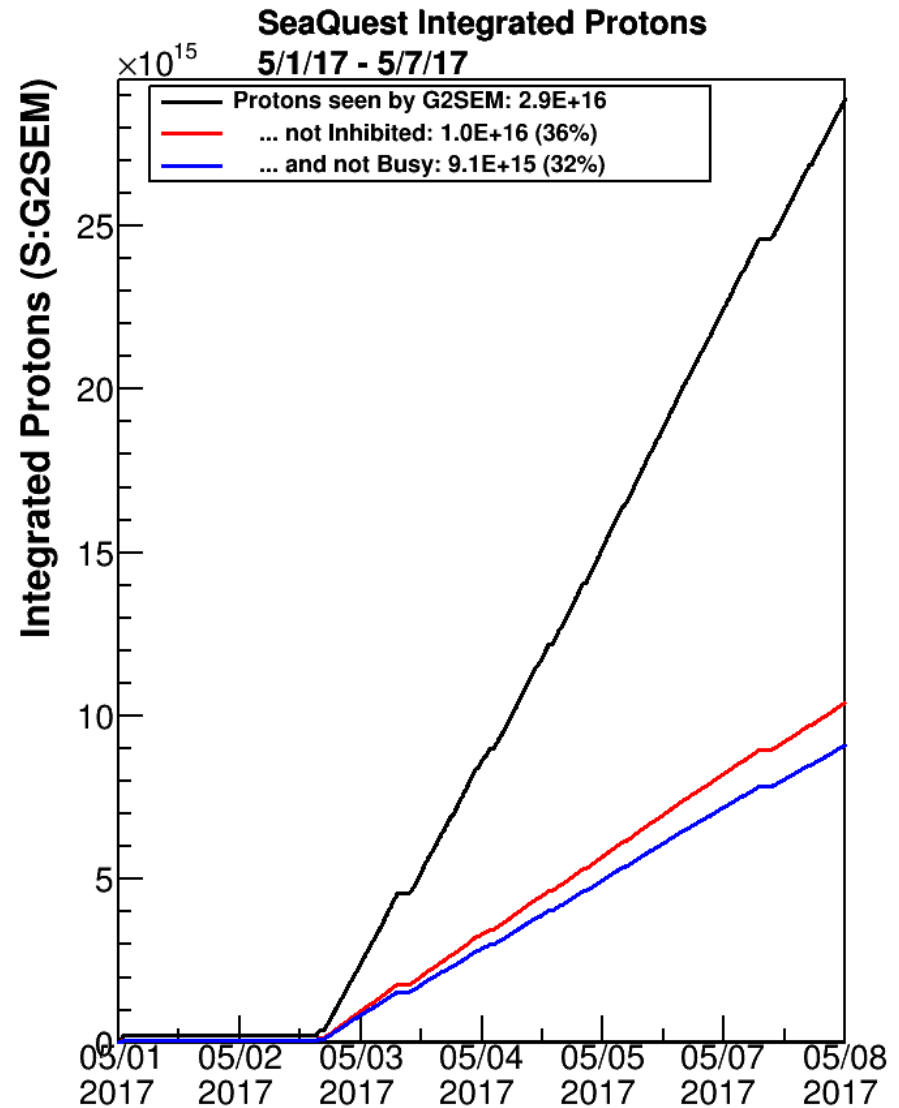
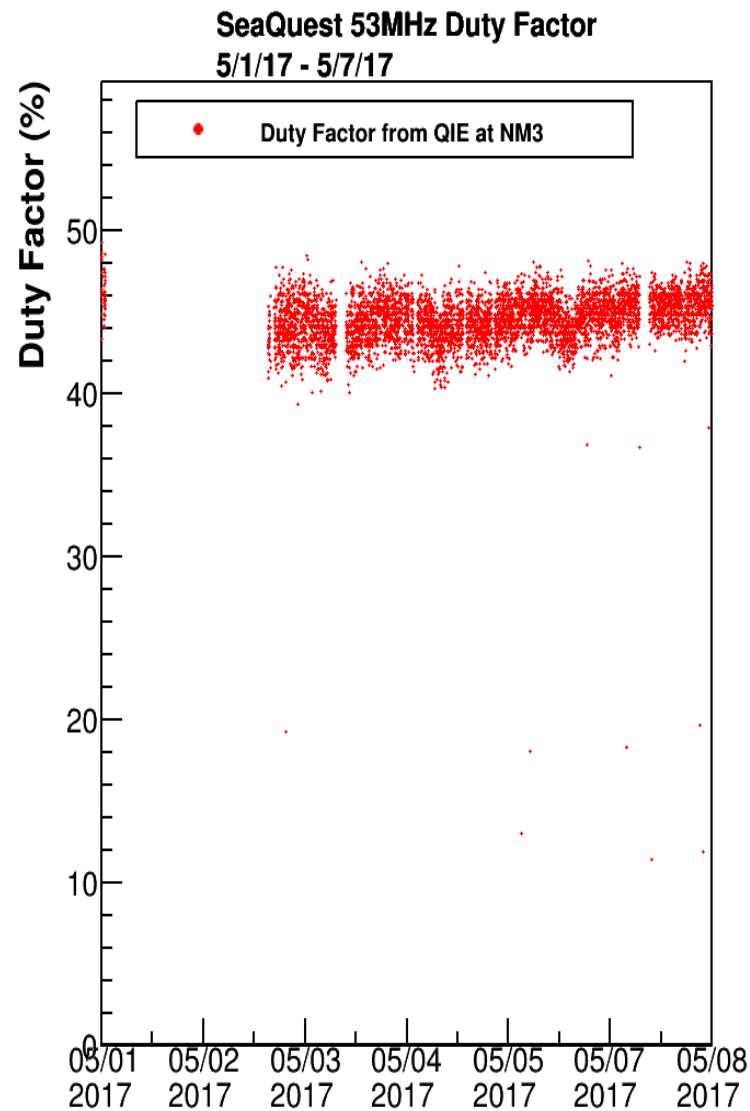


AEM report from SeaQuest

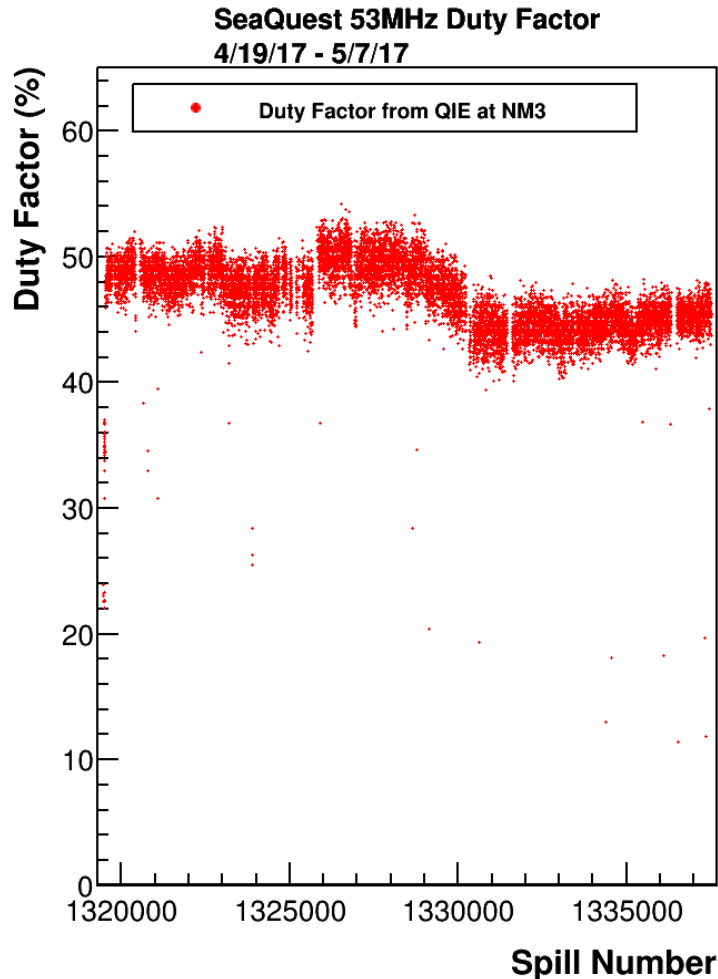
Andrew Chen
UIUC

For the Seaquest collaboration
May 8, 2017

Accumulated protons for past week



Duty factor



- Better duty factor gives the experiment more live protons, more chance to catch Drell Yan di-muon events.
- It got better in the past weeks but drop down this week.

Status of the experiment

- Target
 - The LD2 target were taken out of loop due to an unexpected partial lose of D2 liquid in the Monday morning, May 1th.
 - Investigation
 - Strange oscillation in the Fore Line pressure is observed, which means the insulating vacuum is fluctuating, below 10 micron.
 - Other than that the pressure and temperature measure were all stable.
 - Top off the LD2 target again in Friday. Put it back in loop in the Sat. morning.
 - We are now taking data with both LH2 and LD2 targets.

Status of experiment continues

- Chambers are all working.
- Prop. tubes are at state as they used to be.
- Lost one hodoscope counter, H1R 17, which is not used in trigger, will be fixed when there is down time.
- Finished the decoding production, R007, on the RUN 4 data, taken before summer of 2016.

Computing summary

