

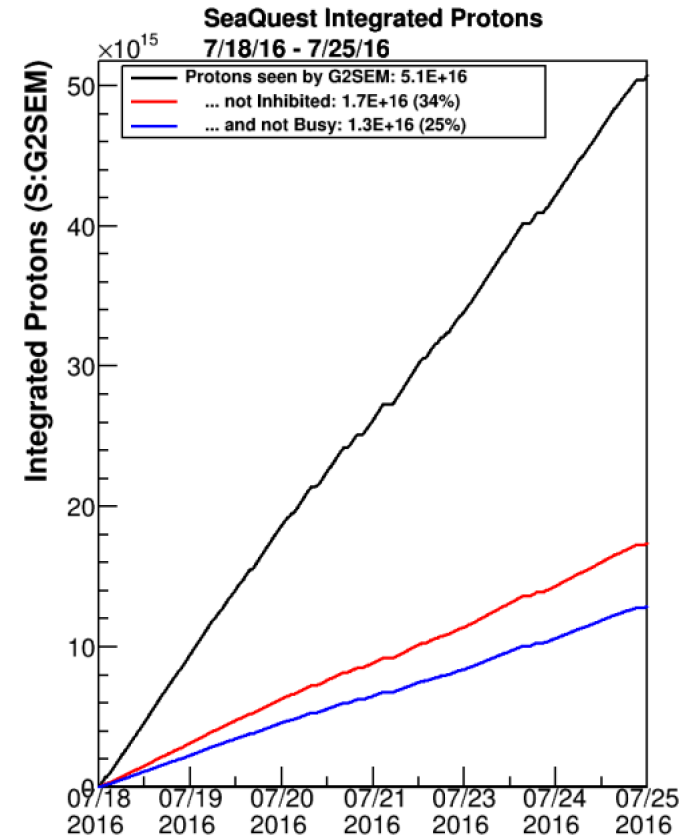
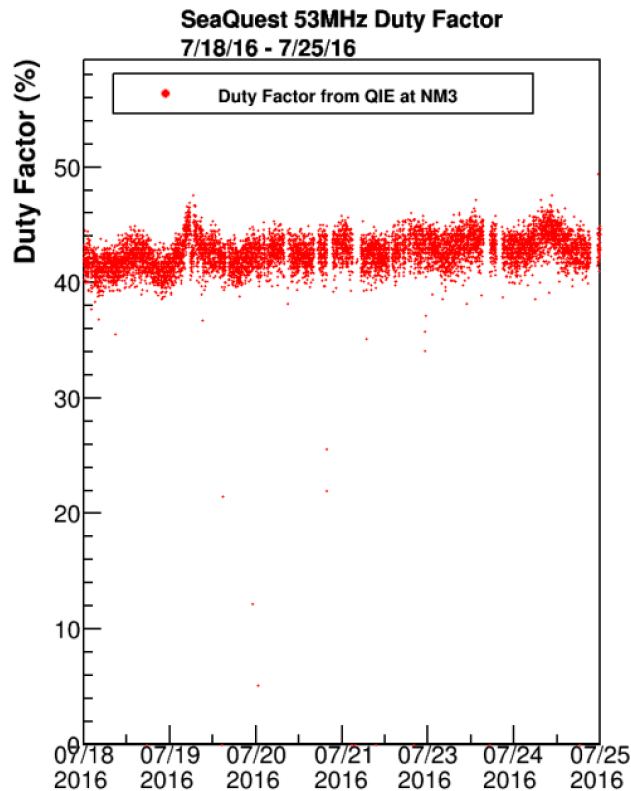


# SeaQuest AEM report

## July 25<sup>th</sup>, 2016

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# Beam, integrated protons and duty factor



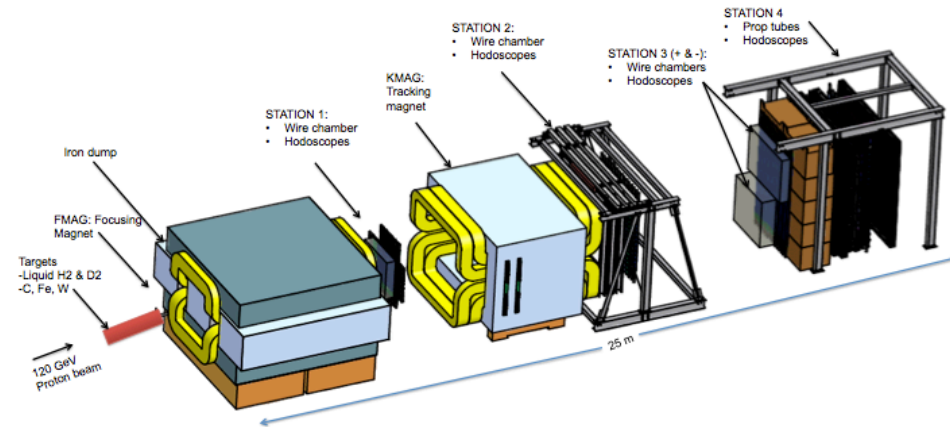
- $5.1e16$  ppp provided to SeaQuest during last week
- Constant 53MHz duty factor

# Target issues

- D2 target taken briefly out of the target rotation cycle
  - Lost power downstairs to both the pump cart coolers and chillers (D2 partially vented due to that)
- Frozen line prevented D2 refill on Jul 22<sup>nd</sup>
- We are out of D2 until shutdown

# Spectrometer

- Cerenkov ✓
- Targets
  - No D2 until shutdown
  - Occasional EPICS script issues
- Magnets
- Drift chambers
  - D0 ✓
  - D1 - occasional CAEN module trips ✓
  - D2
  - D3+ & D3- ✓
- Prop tubes
  - P4-2V exhibiting very high leak current – previously noted correlation with humidity
- Hodoscopes
  - H1L7PMT died and came back by itself (perhaps due to a loose SHV connector)
- DAQ
  - Occasional BeamDAQ and MainDAQ crashes
  - Scalar DAQ was well behaved last week



# Plan

Continue taking good data until shutdown!