

# SeaQuest Status

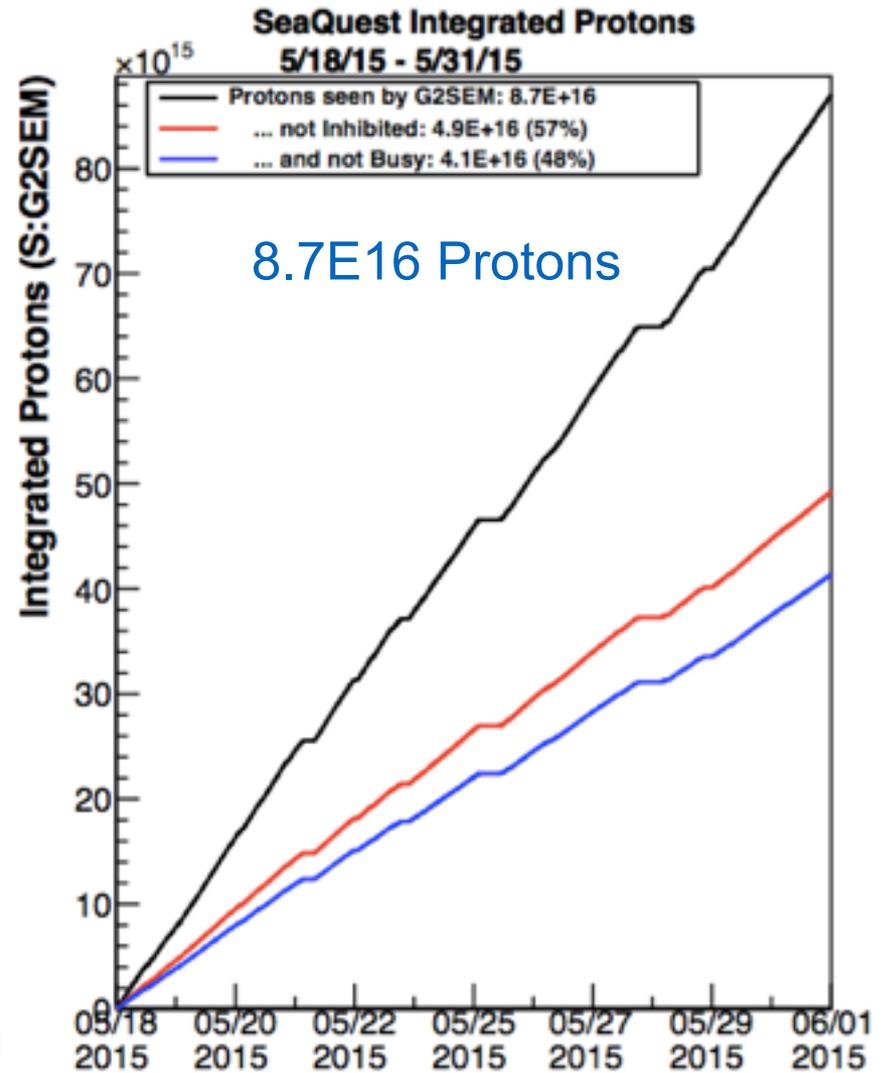
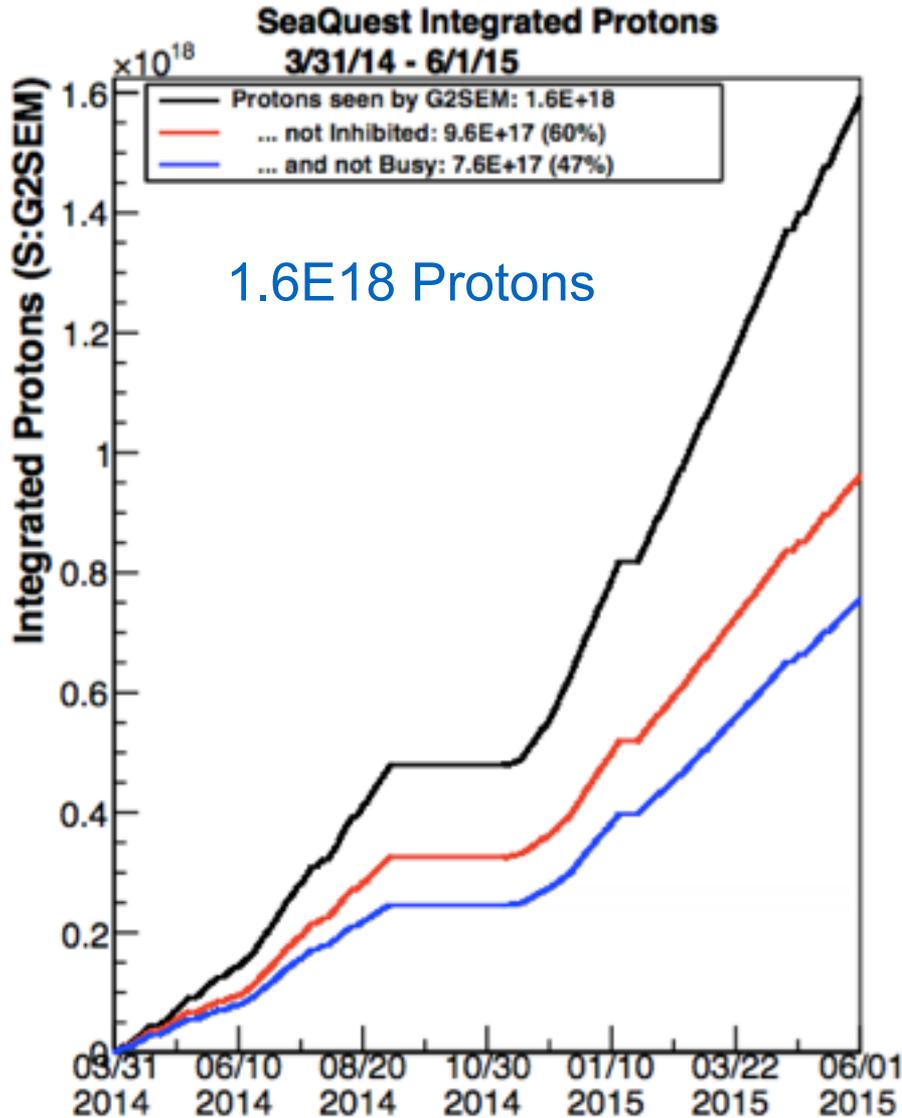
## May 18-31, 2015

Brian Tice

June 1, 2015

# Full Production Runs II+III

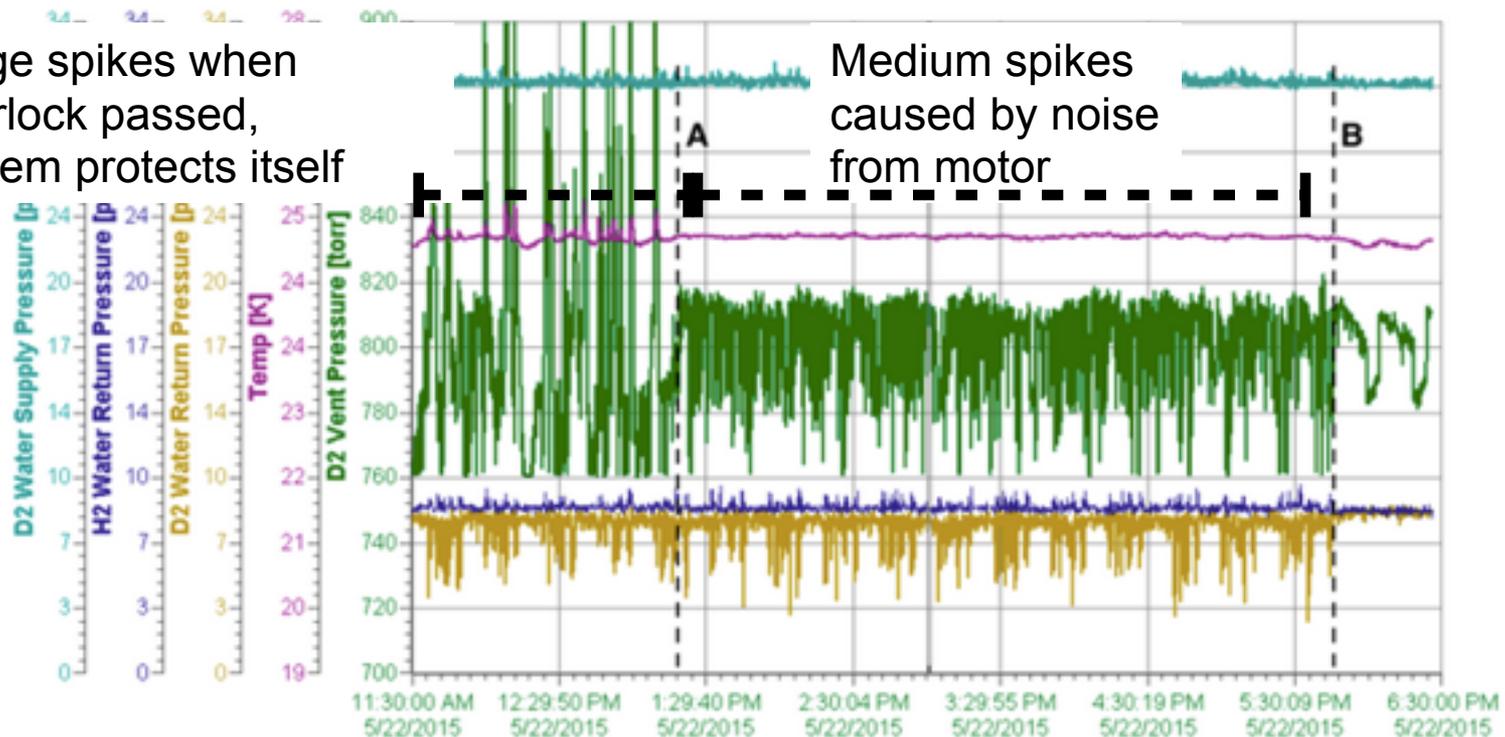
# Previous 2 Weeks



# Deuterium System Pressure Alarms

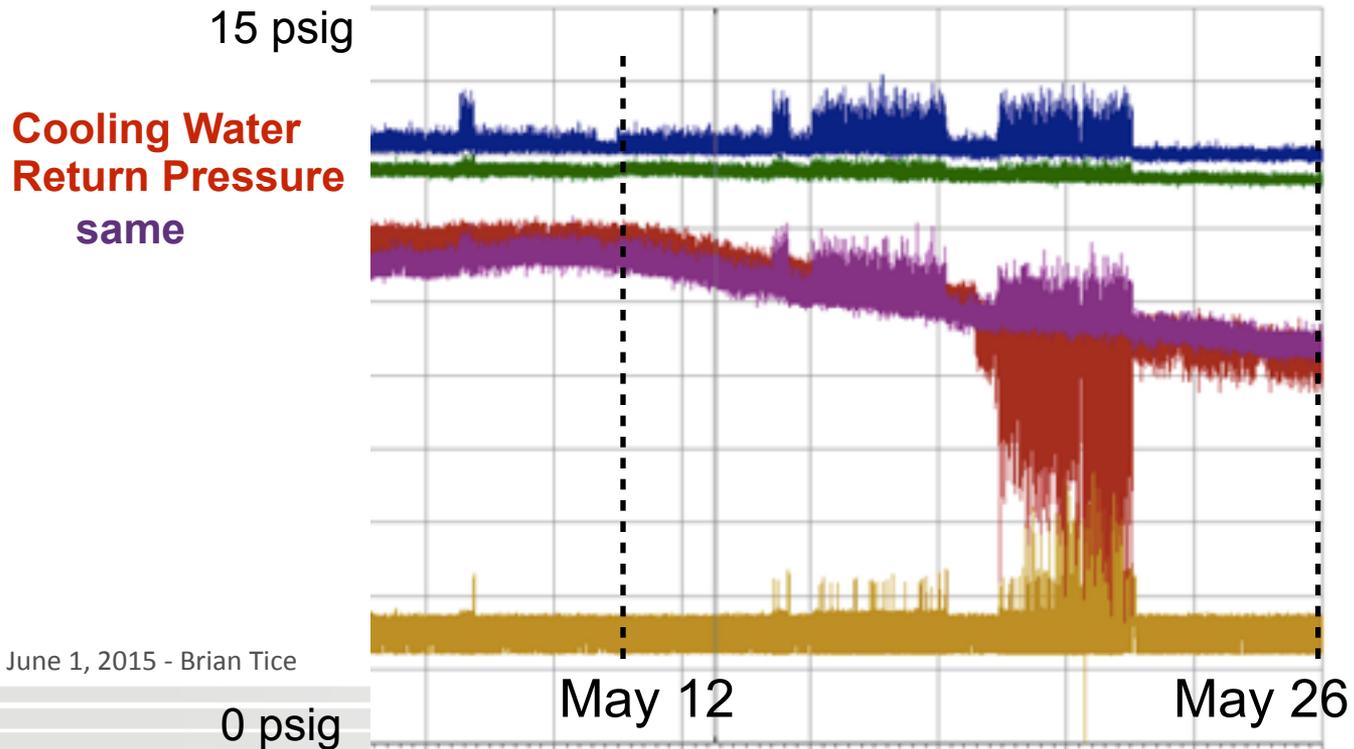
- ▶ Transient pressure alarms were frequent (every few hours) May 20-23
- ▶ Problem was caused by noise from stepper motor, made worse by interlock
  - Stepper motor and pressure sensors plugged into same UPS
- ▶ Solved by plugging stepper motor into wall instead of UPS

Large spikes when interlock passed, system protects itself



# Target Cooling System Pressure Drop

- ▶ A trend to lower pressure started May 12
- ▶ Problem appears to be refrigerant
  - If top-up is required, we will do this now
  - If replacement is needed, it will wait until shutdown
  - Further investigation will wait until shutdown



# Other News

- ▶ Scaler DAQ and monitoring now running from new server (e906sc3)
  - Replaces job done by 2 old servers
- ▶ NS2LCW tripped Friday afternoon (May 29)
  - This is the cooling system for our focusing and analysis magnets (FMag and KMag)
  - Recover was smooth and relatively quick
- ▶ Anything not mentioned is doing well, including but not limited to:
  - Beamline monitoring, Target, Magnets, Spectrometer, DAQ, Computing

