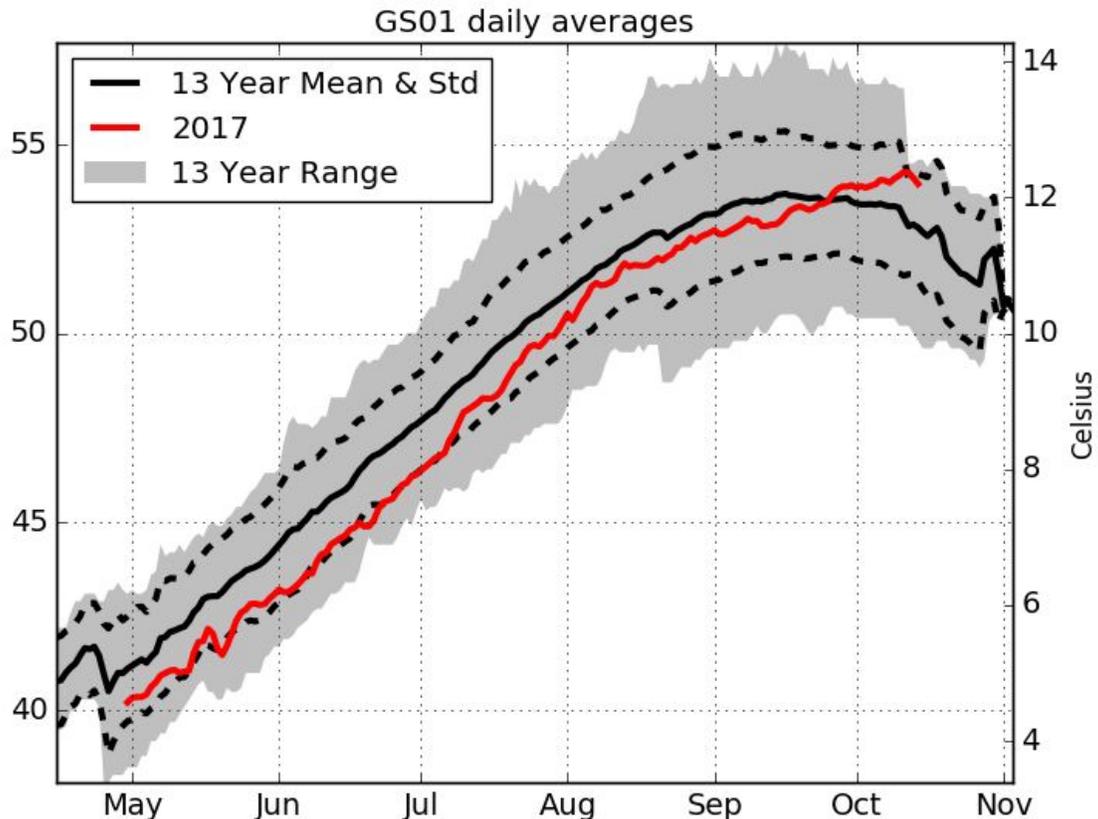


eMOLT Fall 2017 Update

Mailing in your probes

When you are done fishing for the year, please remember to mail in your probe(s) as usual to Jim Manning, NOAA, 166 Water St, Woods Hole, MA 02543 and **list the latitude and longitude, and depth** of the deployment. This site information is critical. Even if it is the “same site as usual”, we need to double check the data. Those of you using loran positions are asked to toggle your readout to “lat/lon”.



Conditions in 2017

While some colder-than-normal conditions were recorded at many locations in late Spring, we are now getting back to relatively warm conditions. The plot above is George Sprague’s example from 10 fathoms off Machiasport.

Realtime telemetry available for those who want it

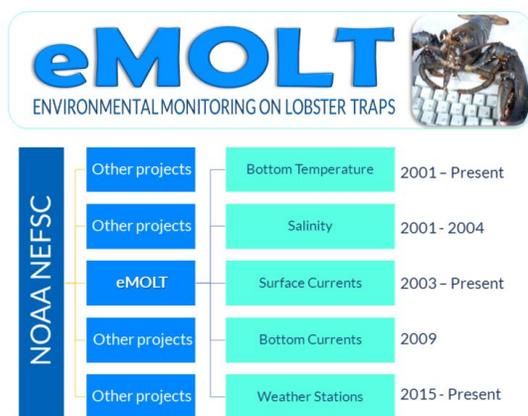
As I noted in the last update, we are slowly transitioning to some new technology. It is finally possible to transmit bottom temperature with each haul in real-time along with automated fix of lat, lon, and depth! A total of 17 fishermen have been set up with this system to date. If you would like to try the new instrumentation, please let us know. It comes with the wireless Lowell Instrument probe, a small micro-computer with a 7” screen for data display in your wheelhouse, and a satellite transmitter. The raw data is transmitted via WiFi when available. We have a limited supply of this setup so email james.manning@noaa.gov if you are interested.

Grant funding

Thanks to a large grant from NOAA's Integrated Ocean Observing System Ocean Technology Transition program, we have been funded to set up a few dozen more boats with the realtime display and telemetry system. As with most of the eMOLT operation to date, the Gulf of Maine Lobster Foundation is the lead administrator of this grant. Both Erin Pelletier and Cassie Stymiest will help coordinate the project that includes several partners along the coast. Individuals from various institutions (GMRI, WHOI, CFRF, FSRS, and Island Institute) will be trained in the installation and maintenance of the hardware and software.

eMOLT at the 2018 Maine Fishermen Forum

Plans are underway for a Thursday afternoon eMOLT session at the forum so please mark your calendars for March 1st in Rockport ME. Some travel funding may be available for those interested. We will review some of the results to date, hear from our Canadian counterparts from the Fishermen Scientist Research Society, and discuss the future of eMOLT. We hope this session to be similar to the scale of gatherings we had in 2005 and 2010. We are now in our 17th year of operation and due to convene as a group once again.



eMOLT webpage changes

With Cassie Stymiest now working with Erin at the Gulf of Maine Lobster Foundation, we are finally improving our web presence. As GOMLF continues to take up much of the eMOLT administration, a new website is now live at www.gomlf.org/emolt. We also have some funding to get more eMOLT data displayed on the

NERACOOS.org/datatools/climatologies_display pages in the coming year.

Other Related Project Updates:

Current meters

If anyone would like to deploy a year-round current meter mooring, please let us know. They are best deployed on a stationary mooring that doesn't get hauled regularly.

Drifters

Now in our 12th year of deploying student-built drifters in New England waters, we expect to have more than 200 deployed in 2017. Cassie has also improved our drifter web pages (see www.studentdrifters.org). If any of your local schools would like to be involved, please have them contact Erin (erin@gomlf.org) and/or Cassie (cassie@gomlf.org)

Unmanned sail boats

GOMLF is now the lead administrator of the "Educational Passages", a non-profit organization originally based in Belfast Maine (visit www.educationalpassages.org). They are tracked along with

the drifters so you can see where they are located at anytime at http://www.nefsc.noaa.gov/drifter/drift_X.html.

Weather Stations on Fishing Boats

Let us know if you would like a weather station on board funded by the National Weather Service. We have at least two boats that are routinely contributing to the NWS observations.