

eMOLT

Summer/Fall 2012 Update

Mail in probes later this year

Please remember to mail in your probe at the end of the year (or whenever you are done fishing this year). You can mail probes to Jim Manning, NOAA, 166 Water St, Woods Hole, MA. 02543. Please remember to provide documentation of lat/lon and depth deployed. **Please include this information even if it is the same spot as previous years so that I can validate my records.**

Year-round monitoring

If you would like to maintain a year-round monitoring site, let me know, and I will mail you a fresh probe to swap out with the one you have. You can email james.manning@noaa.gov or call 508-495-2211 (office) or 508-566-4080 (cell). We understand there is a good chance the probe will be lost over the winter but we are willing to take that chance.

Website for fishermen needs feedback

The Mid-Atlantic Regional Association for Coastal Ocean Observing System folks are asking fishermen what they would like to see for information on the web. The MARACOOS webmasters have setup a draft website at:

<http://72.44.60.22/fish/>

We invite you to check this out and provide feedback. In fact, if you are interested in having this website more customized for your needs and you are located in the southern half of New England, we may be able to come to your place of business or home, to discuss things further. We can show you how to navigate around and get the information you need quickly. See my contact info above.

Status of the current meter project

One of the two proposals we had to further develop and deploy the current meters has come through. We are working with a local engineer to add a digital compass to the instrument and should be able to demonstrate its function in 2013. Stay tuned.

Status of the camera project

The GoPro cameras went out to three more participants in 2012. One, in particular, is having great success. John Melquist has been returning some great imagery from his site off Matinicus Island, Maine. You can view his video of lobsters entering the trap within seconds of it landing on the bottom at: <http://vimeo.com/46193979> Given a new “GoPro Controller”, we can now get photos every minute for 33 hours. The experiments by the summer student, Dan Palance, on the Canon Powershot LowLight camera returned some great pictures from both Woods Hole Harbor and Dave Casoni’s site in Cape Cod Bay. They can be seen with all the others at: <http://www.flickr.com/photos/emoltlobcam> . We are planning a proposal to get more cameras out to participants next year.

Status of the drifter project

With the help of Dan, the summer student, we now have a nearly biodegradable drifter made from materials that can be found at most hardware stores. Teachers are now able to build these drifters in a

shop class. We supply the instructions and the pre-programmed satellite transmitter. So, if you know your local high school science teachers and want to help deploy these student built drifters, let the teachers know and have them contact us. They can see the drifter tracks, as always at: <http://www.nefsc.noaa.gov/drifter> which include links to a few interesting animations and videos.

Article in nature.com

eMOLT participants Marc Palombo, Rob Connelly, and David Spencer are mentioned in a scientific report at <http://www.nature.com/srep/2012/120802/srep00553/full/srep00553.html> for initiating a study and for having provided data to show the Gulf Stream evidently making into shallow waters south of New England in the fall of 2011. This has never been seen before. What is most interesting, however, is that this study was instigated by the fishermen. They first noticed some unusually warm water that was flowing in a direction opposite to the normal. The scientist responded to their queries, analyzed the data, and wrote up the results. This is cooperative research at its best!

eMOLT.org Website

We welcome your feedback on the emolt.org website. It hasn't changed much over the years but, given some input from the viewers (if there are any), it could be easily modified. What types of things would you like to see? Keep in mind that, in addition to the "What's New" link that is recommended most often, there are links to all the reports as well as links to the electronic versions of these "newsletters". There is a page specific to each participant which one can access by following links to "Results>>Temperature Study>>Direct link to Individual Webpages".