

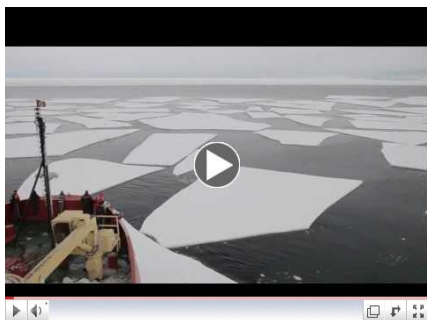
March 2012

Field Notes



Ghost Mooring Returns

A mooring with McLane steel surfaced intact after almost 10 years presumed lost at sea. [READ MORE](#)



Ghost Mooring Video

McLane to Build OOI Profilers

The Consortium for Ocean Leadership (OL) and Woods Hole Oceanographic Institution (WHOI) recently announced McLane will provide the Wire Following Profiler for the Coastal and Global Scale Nodes (CGSN) component of the OOI (Ocean Observatories Initiative) program. [READ MORE](#)

Product Developments

WTS-LV samplers now include a model designed to fit through a narrow opening such as a 30cm bore-hole and collect a single particulate sample *in situ* onto a 142mm membrane filter. This new WTS-LV model is identical to the standard model, with re-arranged

Dear Customer,

From March 5th-8th, Michael Mathewson (General Manager) will travel to Victoria, British Columbia, Canada to present recent profiler R&D and attend the ONR/MTS [Buoy Workshop](#).

Special one-day registration rate of \$100 is available for local attendees.

If you are attending, stop by our display table to say hello and a new McLane t-shirt could be yours to take home. For those not traveling to Canada, this newsletter has updates on scientific projects in the Arabian Sea and the Equatorial Pacific. Whether at the Buoy Workshop or during this year, we hope you will keep us informed about your deployments. If you are in East Falmouth, Massachusetts, stop by for a [tour](#) of our facility. We also offer customer pre-deployment [training classes](#) here in our manufacturing facility at no charge.

*Best Regards,
The McLane Team*

Sediment Traps Deployed in Arabian Sea



Researchers from the National Institute of Oceanography (NIO), GOA, India were aboard the R/V Sindhu Sankalp to deploy three McLane [Sediment Traps](#) and G8800-2 [glass flotation](#) on a mooring in the Arabian Sea. A heavy-duty [mooring recovery float](#) was also part of this deployment.

components.

New Software

Unpacker version 3.0 is [now available](#) on our website. This new version of our Windows application for unpacking profiler data files has a single-screen user interface.

Photos from the Deck



McLane trades photos for t-shirts so send us your best shots!

Featured above, a team from NIO, India prepares a [mooring recovery float](#) for a one year deployment in the Bay of Bengal aboard the R/V Sindhu Sankalp.

New Documentation

Visit our on-line library to [download](#) new documents on the following:

- [Using the WTS-LV Bore-Hore Sampler](#)
- [MMP Motor Circuit Technical Update](#)
- [Extended MMP Skin Technical Update](#)

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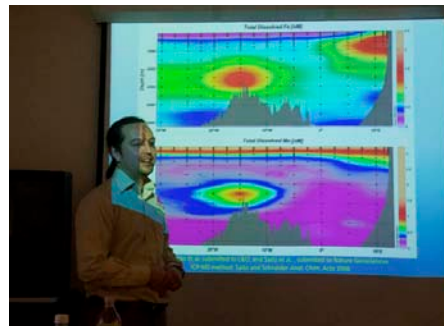
These deployments go to about 3,000m below sea level. After one year of collecting samples, the instruments are recovered and then redeployed. The NIO research team also conducted a multi-Sediment Trap deployment in the Bay of Bengal.

WTS-LV Samplers in Key Metalloenzymes Studies

Seven [WTS-LV samplers](#) were deployed recently by WHOI collaborators Dr. Mak Saito and Dr. Phoebe Lam. The cruise, which took place in the Equatorial Pacific between Hawaii and Samoa, sampled metalloenzymes, key catalysts in global biogeochemical cycling.

McLane WTS-LV samplers have proven important to metal and protein sample collection and are used by scientists for the US GEOTRACES program. In this 10 year program, researchers like Dr. Saito study ocean sections of dissolved and particulate metals, and proteins.

Prior to the cruise, Dr. Saito visited McLane and presented his research findings to staff. The McLane team learned about fieldwork with our samplers and the importance of studying the cycles of various metals in the ocean. [READ MORE](#)



Dr. Mak Saito Talks Metalloenzymes at McLane

Flotation Findings

The steel McLane buoy featured in the Ghost Mooring article is not the only McLane flotation that shows up by surprise. McLane [glass flotation](#) spheres and their yellow plastic hardhats are a curious sight when they land ashore. McLane recently received calls from Norway and San Salvador Island, Bahamas where our glass flotation hardhats washed ashore in tact.

In addition to their durability, [12" glass spheres](#) have many uses and are highly configurable. Whether used as [Instrument Housings](#) or stacked in 3 or 4 sphere assemblies and connected in through-center systems, our glass flotation is flexible and cost-effective. For example, the [G8800 glass flotation](#) module has been integrated into an array of ocean-bottom seismology instruments, designed and constructed by the Scripps Institute of Oceanography. [Contact us](#)