McLANE® RESEARCH LABORATORIES, INC.

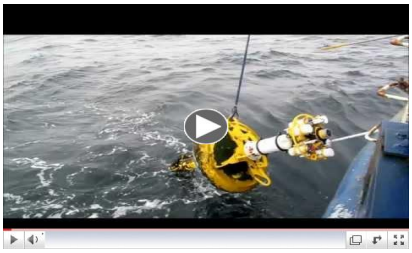
Profilers Samplers Flotation

Your McLane Update at Sea and on Land

The Sampler: October 2012

Field Notes

OOI Profiler Sea Test Video



April 12, 2012: OOI CPPM Recovery

In April, the Ocean Observatories Initiative (OOI) completed a successful sea equipment test, which included a McLane Moored Profiler **(MMP)**. The OOI Team deployed and recovered three test moorings at two sites on the continental slope south of Cape Cod, Massachusetts. **READ MORE**

Product Developments

New Sampler

McLane is pleased to announce we will build a new sampler, the **Imaging FlowCytobot**, (IFCB) under license from Woods Hole Oceanographic Institution. The FlowCytobot detects, photographs, and collects data on phytoplankton and zooplankton 24 hours a day, up to 6 months at a time.

New Software

Adaptive sampling firmware is now available. A command line interface allows commands to be typed and sent to the instrument to configure and control sampling during the deployment. **Contact McLane** for more details.

Photos from the Deck

Dear Customer,

From proposal planning to deployment and recovery, McLane is committed to making your science successful. Customers are always welcome for training at our facility, and this Fall and Winter, McLane is looking forward to meeting you 'in the field'.

Oceans 2012 MTS/IEEE

We will be at Oceans 2012 MTS/IEEE October 14th to 19th in Virginia Beach to answer your questions in person.

- Visit our exhibit at Booth 1728 and talk to McLane staff
- Get updates on McLane instruments and our progress building Wire Following Profilers for the Coastal and Global Scale Nodes (CGSN) of the Ocean Observatories Initiative (OOI) program
- Attend the OOI Wire Following Profiler update by McLane GM Mike Mathewson to hear OOI profiler features and plans
- Contact us to schedule a one on one meeting during the conference

Further Afield

Outside of the USA, McLane product representatives are also available to provide information and assist with the purchase of McLane instruments.

- This Fall, our sales agent 3S Ocean Networks presented McLane samplers at Shizuoka, Japan
- November 29 to December 1, McLane instruments will be represented in Moscow, Russia at The Ocean 2012
- Contact us if you are outside of the USA and would like to meet your McLane representative

We hope to see you in Virginia Beach or one of these other locations. In the meantime, this newsletter will keep you up to date with McLane developments and some recent customer deployments.

Best Regards,
The McLane Team

HOT Profiler Successfully Deployed

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

Featured above, Dr. Matthew Alford and Mike Carpenter, Applied Physics Lab, University of Washington deploy an **MMP** in Luzon Strait.

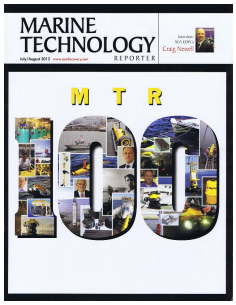
New Documentation & Video

Visit our on-line **library** which now includes these new items:

- **New Product Brochure**
- **PPS Priming Demonstration Video**

McLane in the Media

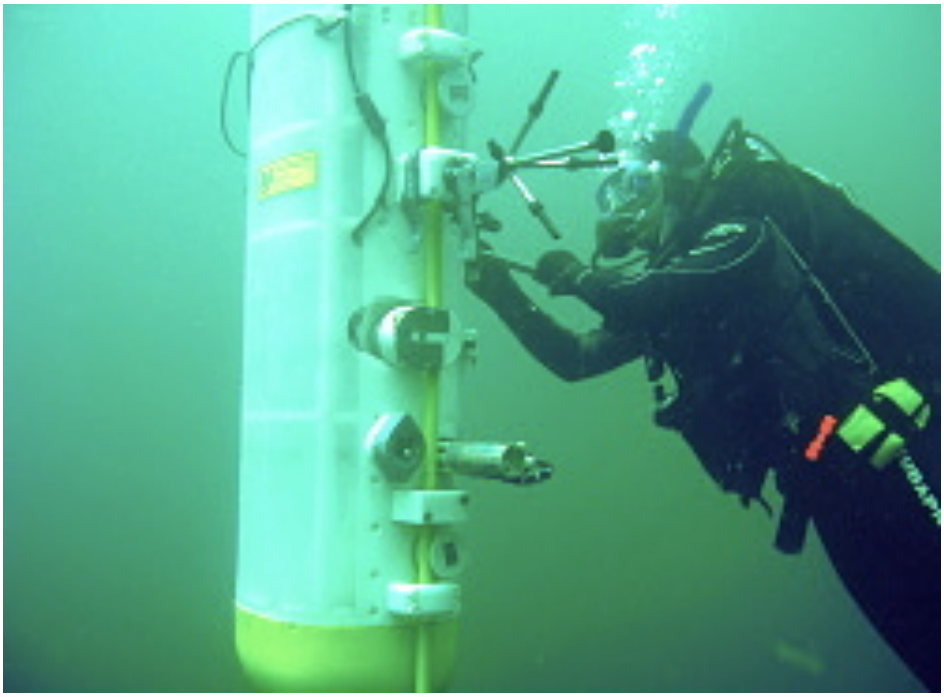
McLane Named to MTR Top 100
Marine Technology Reporter (MTR) the world's largest audited circulation magazine for the marine technology market named McLane to its Top 100 list of marine companies worldwide. **READ MORE**



Harnessing the Power of Time
McLane has launched new ads promoting our instruments' time-series capabilities for science and environmental monitoring. 'Harness the Power of Time' includes banner ads on the Hydro and IOS web sites and new print ads in the current issues of Hydro and IOS magazines.

Quick Links

Customer Support
McLane Library



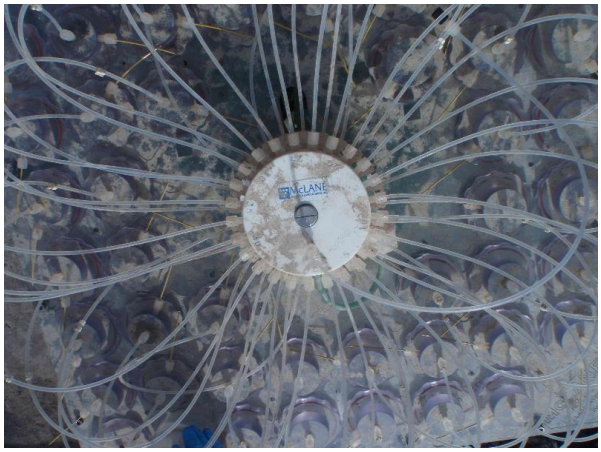
Diver Checks Inductively Charging MMP *Photo: U. Washington-APL*

After a multi-year design, development, and preparation process, the University of Washington Applied Physics Lab is celebrating the deployment of an inductively charging **McLane Moored Profiler**, known as the Hawaiian Ocean Time Series **(HOT) Profiler**.

The HOT Profiler sends collected profile data to an iridium satellite and uses an inductive charging station to keep the battery packs full for continuous deployment. When the HOT Profiler is recovered in December, it will have relayed the longest time-series, continuous, high resolution profile data collected to date.

CSIRO RAS-500 Returns from Year-Long Deployment

The Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia, recently recovered a **RAS-500** after a productive 12 month deployment, the third (and longest) for the instrument in the Southern Ocean.



The RAS-500 collected a full year's worth of nutrient samples including dissolved inorganic carbon (DIC), Carbon 13 DIC, and phytoplankton community composition. The deployment was part of the Southern Ocean Time Series (SOTS) moorings for climate and carbon cycle studies southwest of Tasmania.

***RAS** Samples after 12 Months at Sea*
Photo: D. Davies, CSIRO

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Flotation Expansion

McLane steel and glass flotation continues to be widely recognized as a dependable, durable mooring solution. McLane steel was even recently featured on a conference poster at International Polar Year in Montreal.

And, we're growing. After 15 years in our current location, this Fall, glass production and testing will expand to a new home. The 'McLane Annex', will house our flotation manufacturing facility.

We encourage you to visit and see our facility and new Annex if you travel to East Falmouth, Massachusetts. As always, we are also available to schedule customer pre-deployment training classes at no charge. Contact us for more information about your flotation, instrumentation, or training needs.

McLane Research Laboratories | 121 Bernard Saint Jean Drive | East Falmouth | MA | 02536