

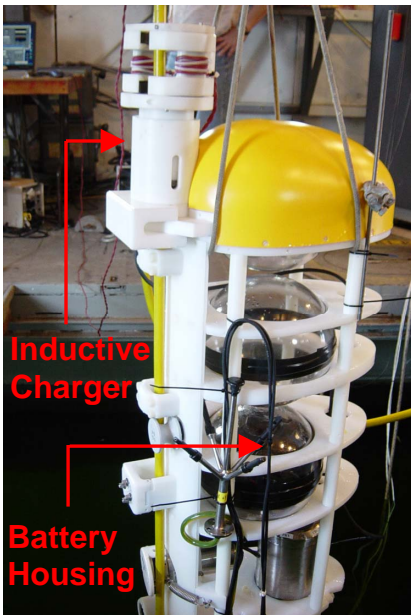


Sediment Traps ❖ Moored Profilers ❖ Remote Access Samplers ❖ Water Transfer Systems ❖ Flotation

APL Tests Inductive Charging MMP

The Applied Physics Laboratory at the University of Washington (APL) has successfully tested a McLane Moored Profiler (MMP) with a third glass sphere extension and a modified motor drive. The

MMP has three glass spheres – two for flotation and a third for the APL rechargeable battery. An additional embedded controller (designed by APL) instructs the MMP to go to an inductive charging station as required.



In addition, the MMP motor was modified to travel on a custom mooring cable with a 0.8" diameter.

McLane was on-hand in Seattle for the barge test, a full-scale mooring simulation to observe the MMP execute commands and inductively charge. Data transfer between the MMP and the Controller was also successful. APL plans to deploy the MMP in Fall 2006. ❖

MMP with Inductive Charger Enters the Water in Seattle

Electronics Upgrade and Published AMS Paper

Spring and Summer were busy with customer projects and the release of the new MMP Rev D electronics stack. Rev D is more flexible, uses the latest in compact flash cards and uses less power.

Also, a paper detailing the Autonomous Microbial

Sampler (AMS) has been published. The paper discusses collecting uncontaminated and exogenous DNA-free microbial samples from marine, freshwater and hydrothermal ecosystems [Deep-Sea Research I 53 (2006) 894-916]. ❖

Photo Gallery



(Photo courtesy of S. Manganini & M. Lardie)

Larry Costello & Daniel Montlucon recover a Mk8 Trap after 12 month deployment



(Photo courtesy of C. Piiskaln)

Cindy Piiskaln deploys a trap to study nepheloid layer particle resuspension in the Gulf of Maine

Can we add your action shots of McLane instruments to our photo gallery? Send photos to mclane@mclanelabs.com! ❖



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ADDRESS CORRECTION REQUESTED

Oceans 2006: Boston Sept. 18-21

Come see McLane at **Oceans'06 in Booth #304 September 18-21** in Boston! Our newest instruments - the Ice Tethered Profiler (ITP) and Mark 8 Sediment Trap will be on display and we will 'debut' a new ITP instructional

video. The multi-language training video shows the details of final ITP assembly and is the first in a series that we are releasing.

McLane founders Dr. Sus Honjo and Ken Doherty will join the entire McLane team

at this year's conference along with some of our international sales agents. We look forward to talking with our many customers!

Information about Oceans MTS/IEEE '06 can be found at www.oceans2006.org.



McLane Booth - Oceans MTS/IEEE '05

MMP with Aanderaa Optode

The list of MMP supported sensors is growing and now includes the Aanderaa Optode oxygen sensor.

Other supported sensors are the Falmouth Scientific CTD & ACM, Sea-Bird UIM (SBE 44) & 52MP CTD, Seapoint fluorometer & turbidity sensors and Wetlabs CDOM fluorometer.



IfM-Geomar Deploys MMP with Aanderaa Optode