

Fall 2011

Field Notes



MMP Success in China

See a [video](#) of the Third Institute of Oceanography deploying an MMP off the coast of China.

More than 800,000 meters were traveled in 80 days, collecting 3,000 profiles.

[READ MORE](#)

Tests Use *In-situ* Lab

A C-MORE BioLINCS cruise tested samplers that have real-time, *in-situ* microbial analysis capabilities.

Instruments including the [ESP](#), IPS and TS-SID conducted analysis at sea that traditionally relies on a return to the laboratory.

[READ MORE](#)

Product Developments

MMP sensor options now include:

- Nortek AquaDopp
- Satlantic SUNA
- Wetlabs
FLBB(RT)/D
- Seabird IMM

The AquaDopp collects Doppler acoustic current

Dear Customer,

We hope this electronic newsletter provides new information to help you with your science. Each issue will feature the latest product updates and articles about how customers use our profilers, samplers and flotation.

We will email this on-line publication only a few times a year. As always, McLane values your contact information. We are committed to keeping our mailing lists private and we protect your data. We have been looking forward to collaborating with you in this electronic forum. Your [questions, comments and content are welcome](#) and we are eager to learn more about how McLane products perform in the field for you.

*Best Regards,
The McLane Team*

Profiler Expands from Arctic Ice to Lake Explorations



measurements, and the SUNA is a nitrate sensor. The FLBB(RT)/D is a combined fluorometer and turbidity sensor.

IMM communication inductively transfers files.

The most current sensor options are always listed on our [profiler web pages](#).

Photos from the Deck



McLane still trades photos for t-shirts, so [send us](#) your best shots.

Featured above, Susan Mills (WHOI) wears her McLane t-shirt and prepares to deploy WTS-LV samplers aboard JAMSTEC's R/V Yokosuka.

New Documentation

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

- Aquadopp
- FLBB(RT)/D
- Adaptive Profiling
- Compass Tilt
- CF2 Controller

Quick Links

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[Ice Tethered Profilers](#) (ITPs) are proving they can meet the sampling challenges of lake environments. The "Lake Moored Profiler" (LMP) has now been deployed in Flathead Lake, Montana and Crater Lake, Oregon.

Scientists from the Crater Lake National Park Service project who operated the LMP reported that the data "looked great". [READ MORE](#)



ITP in Crater Lake, OR
Photos: S. Girdner

Adaptive Sampling Available on McLane Instruments

Changing schedules or triggering samples in mid-deployment is now possible with new adaptive sampling options for McLane [Profilers](#) and [Samplers](#).

Adaptive profiling uses inductive telemetry and a surface package to communicate with the profiler firmware during the deployment. The user can then program a new schedule which is transferred to the profiler during the next inductive telemetry session.

Adaptive sampling provides a command line interface and a set of commands to trigger sampler pumping and change sampling parameters during a deployment. [READ MORE](#)

Flotation Facts

Along with our [profilers](#) and [samplers](#), McLane manufactures a full [flotation](#) line for oceanographic and offshore mooring installations, custom instrument housings and recovery beacons.

Our [12" glass spheres](#) have 10kg buoyancy each and are flexible and cost effective (the G6600-3 float model is 18% more buoyant than a 17" sphere). Units can be configured in 3 or 4 sphere assemblies and further connected in through-center systems. [Steel subsurface buoys](#) withstand the harshest conditions.



G6600-3 Antarctic Mooring
Photo: Dr. F. Giglio

Custom flotation includes sizes greater than 48", sensor mounts such as ADCP, channel mounts, flanges and other options. Buoys with wells and tubes for custom applications are also available. [Instrument housings](#) manufactured from our 12" glass spheres feature penetrator holes installed to precise customer specifications. [Contact us](#) for more information about custom flotation.