

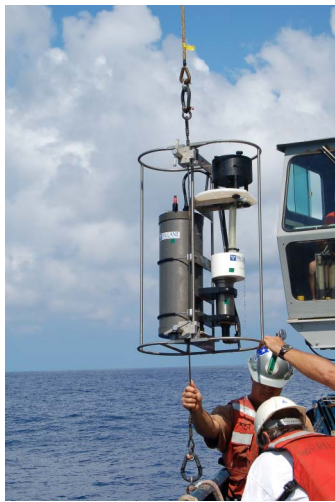


Sediment Traps ❖ Moored Profilers ❖ Remote Access Samplers ❖ Water Transfer Systems ❖ Flotation
Studies at the East Pacific Rise **Team Catches the Spirit**

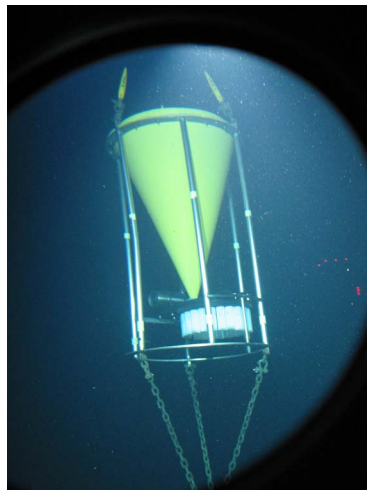
McLane samplers are helping scientists learn how organisms colonize hydrothermal vent sites. In 2006, Woods Hole Oceanographic Institute (WHOI) scientists at the East Pacific Rise deployed WTS-LV pumps and Sediment Traps to study larval activity at the site of a January 2006 seafloor eruption.

Using these samplers and the deep-sea submersible vehicle Alvin, scientists collected many types of data. The WTS-LV pump deployments were hailed as highly successful, collecting many full 24-hour samples.

A November 2007 cruise will further the study as WTS-LV pumps are redeployed and Sediment Traps that have been collecting samples are recovered. ❖



(Photo courtesy of S. Mills)



(Photo by Alvin pilot Gavin Eppard)

WTS-LV and Sediment Traps at the East Pacific Rise

Around the World

This Winter and Spring numerous international customers have been working with McLane instruments.

Worldwide deployments have included WTS-LV pumps and Sediment Traps in China, RAS-500 and ZPS deployments in Germany, Sediment Traps in India, and a RAS-100 deployment in Australia.

New RAS-100 and ZPS User Manuals are now published! The PDF files are available for downloading from the McLane website. ❖



D. Macera, P. Pirolli, J. Little, E. McCormick, M. McBurnie, and E. Spidell Celebrate

The May competition sponsored by the Marine Advanced Technology Education (MATE) Center recognized design innovations, project execution, and teamwork while using ROV's to teach students technical, engineering, scientific and critical thinking skills.

Led by advisor Edd Spidell, the Team Spirit award winners from the Cranston, Rhode Island Area Career and Technical Center designed and built their ROV in two months. When a power tether ended their mission to compete, they excelled for their exceptional attitude in the face of adversity.

Their advisor was "as proud as always of his engineers in the rough" and reports that the group is already hard at work on another ROV. They celebrated with a team photo that proudly displays both their team spirit *and* their new McLane t-shirts!❖



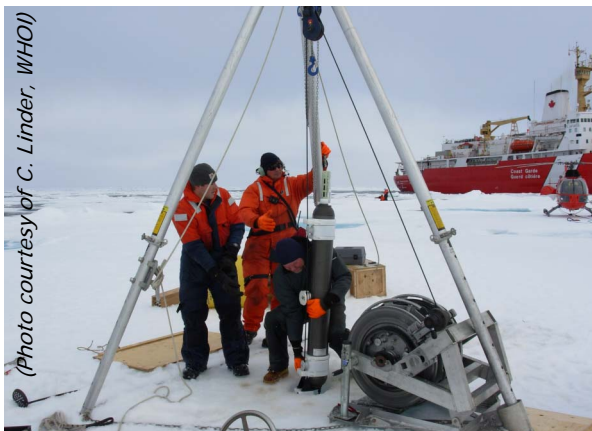
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Ice Profiler Deployments Continue

The International Polar Year (IPY) is underway! IPY 2007 began in March with thousands of scientists from over 60 nations participating. Among IPY projects, more WHOI Ice



(Photo courtesy of C. Linder, WHOI)

Scientists Deploy an ITP at the North Pole

Environmental Observatory (NPEO) at Borneo and deployed an ITP to report data on temperature and salinity below the ice. ❖

Tethered Profilers (ITP's) built by McLane will be deployed at the North Pole. In April 2007, scientists from world-wide institutions set up the North Pole

Samplers Used in HAB Studies

The Phytoplankton Sampler (PPS) continues to aid in studying the causes and impacts of Harmful Algal Bloom ('HAB', or 'Red Tide') outbreaks across the Gulf of Maine. These PPS deployments are part of a five year Woods Hole Center for Oceans and Human Health (COHH) study that continues in 2007. ❖



(Photo courtesy of C. Pliskaln)

PPS Studies HAB