



British Antarctic Survey Deploys ASL Water Column Profilers™

ASL recently sold two of its 120kHz Water Column Profilers™ to the British Antarctic Survey (BAS) through its UK agent, Hampshire based Hydrosphere UK Limited.

These instruments are being used as the focus of a cluster of Instruments now deployed at two sites in the waters off the South Atlantic Island of South Georgia. Their first recovery and re-deployment is expected to be in February, 2003 by the BAS Research Ship "James Clark Ross."

The Water Column Profilers will be used to help provide a year-Round record of variability of krill abundance. This is important as krill are a fundamental part of the food chain for creatures such as seals, penguins, albatrosses and fish and little is known of the variability of krill availability during the Austral winter months at these remote locations.

Use of these Water Column Profilers, plus other instruments at the Two sites will allow for the study of krill variability as it relates to current, temperature and salinity.

British Antarctic Survey is responsible for most of the UK's research in Antarctica. It is a component of the Natural Environmental Research Council. More information about the work of the survey can be found on the website at: www.antarctica.ac.uk.



Tidal Analysis in Ungava Bay

InteRives Ltee. leased 2 tide gauges and 1 ADCP for use in Ungava Bay, Northern Quebec near Salluit and Kangirsuk, during the summer of 2002. The water depths are about 15 to 20 m, in an embayment along the coastline. This is total water depth at high tide (tidal ranges are about 6 to 10 m here!). ASL has recently provided a tidal analysis of the data sets.

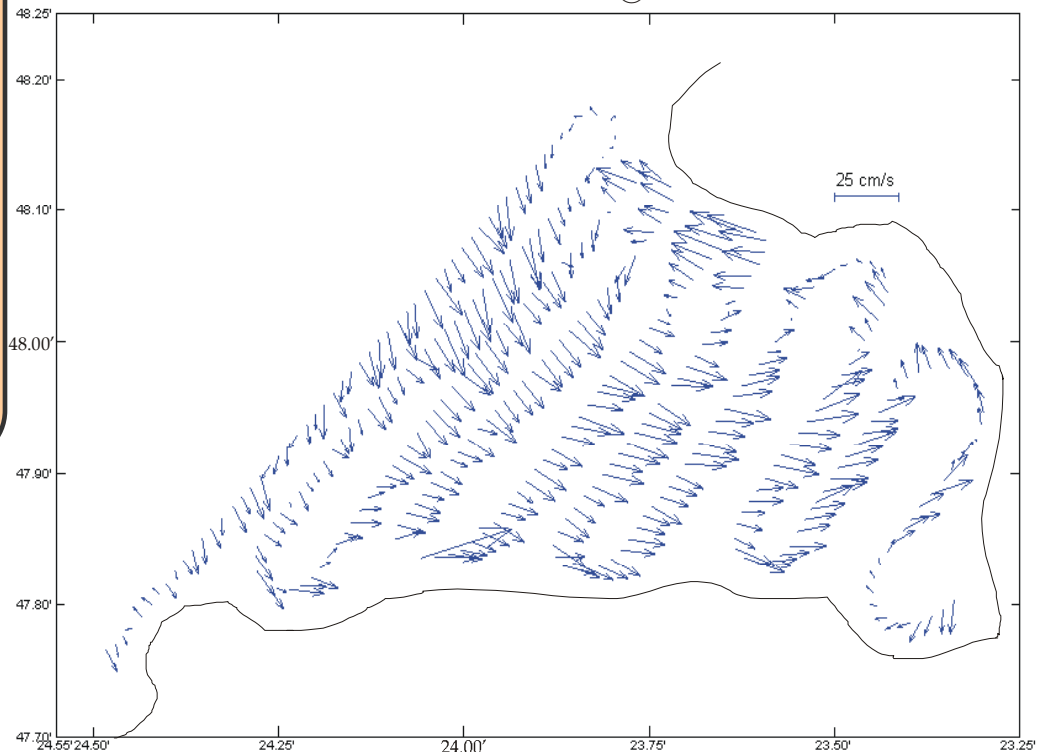
Equatorial Guinea, Africa

ASL has deployed three Wave Profilers™, ADCP's and a weather station along the coast of Malabo, Equatorial Guinea as the first part of an ongoing current and wave study contract with Marathon Oil from July 2002 to October 2003. The instruments are mounted in 3 low-profile frames designed by ASL.

Aquametrix Fish Farm Transects

Aquametrix Research Corporation often uses ASL as a source of ocean equipment and/or data processing. The plot is an example of an ADCP survey of a potential fish farm. For more information about Aquametrix see: www.aquametrix-research.com.

Ebb Tide - Currents @ 10m



ASL Expands Lease Pool, Largest in Canada

In response to increased customer demand, ASL Environmental Sciences has purchased a further 3 Acoustic Doppler Current Profilers (ADCP's) from RD Instruments of San Diego California for its lease pool of oceanographic instruments. The ADCP's are 600Khz Workhorse Sentinels equipped with wave measuring firmware, extra memory and external battery cases to allow extended deployments. With the purchase of these instruments and additional purchases from other oceanographic instrument suppliers, ASL now offers the largest independent lease pool of oceanographic instruments in Canada. ASL offers its lease pool to customers worldwide and also offers related mooring design and deployment services.

Meet Us at Events

ASL will be attending the following trade shows & conferences. We would welcome the opportunity to meet with you.

POAC 2003	June 2003	Norway
Oceans 2003	Sept 22-25	San Diego, CA
Estuarine & Coastal Monitoring	Nov 3-5	Monterey, CA

ICE PROFILER™

Caspian Sea

AgipKCO of Kazakhstan has purchased an Ice Profiler™ for its winter 2002-2003 ice profiling and velocity measurement program in the N.E. Caspian Sea. ASL is also providing a second unit for this project, on a lease basis.

Japan

Professor Fukamachi of the Institute of Low Temperature Science, Hokkaido University, Japan, has purchased 2 Ice Profilers™. One is for ongoing studies of the sea ice off the northern coast of Hokkaido Island, while the other will be part of an AUV-based research program.

Sakhalin Energy, Russia

ASL has recently completed the processing and analysis of Ice Profiler™ and ADCP data collected during the Winter '00 - '01 measurement program for Shell Global/Sakhalin Energy Investment Corp. At some sites off eastern Sakhalin Island, the measurements were the fourth set of over winter data collected since 1996-97.

Beaufort Sea

Ice draft and velocity data from the Beaufort Sea (1999 - 2002) is being processed and analyzed for the Institute of Ocean Sciences, Sidney, BC. This involves extended data sets attained at three different locations.