

Improved Arctic Data Collection from Submarines

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LONG-TERM GOALS

Improve the collection of Arctic environmental data from U. S. Navy submarines.

OBJECTIVES

Continue efforts aimed at improving reliability of the Under-Ice Submarine Expendable CTD (U/I SSXCTD) units.

APPROACH

Purchase two complete sets of U/I SSXCTD interface units compatible with the latest generation of probes and associated software. Purchase 16 U/I SSXCTD probes and test launch at sea to verify performance of the systems. All purchases being made from manufacturer (Lockheed-Martin Sippican, Inc.).

WORK COMPLETED

Order for interface units and probes placed through the Navy supply system.

RESULTS

None to date.

IMPACT/APPLICATIONS

If successful, will permit concurrent collection of Arctic data from two U.S. submarines.

RELATED PROJECTS

These systems will be used as part of the Submarine Arctic Science Cruise (SCICEX) program.