

Data Management Plan

We will describe the technical details and operating procedures of the autonomous system and its software in peer-reviewed technical publications. We know of no databases for deposition of marine technical equipment or software. Consequently, we will personally provide on request the software and any information about the system additional to these publications.

The two test expeditions will generate a broad range of at-sea data, including underway data, CTD data and chemical data from water samples. Molecular data will be generated from water-filter samples post-expedition. We are committed to ensuring widespread data availability and utility. As with our previous UNOLS expeditions and other NSF-funded projects, we will archive all published data, as well as related unpublished data (where appropriate), in appropriate national or international databases. The standard R2R data from the expeditions (ADCP, acqsys, CTD, gravimeter, and underway meteorological information) will be deposited and accessible through the R2R database (<http://www.rvdata.us/overview>). The multibeam data will be deposited and accessible at the NGDC bathymetry database (<http://www.ngdc.noaa.gov/mgg/bathymetry/multibeam.html>).

The water sample chemical data will be made available at BCO-DMO (<http://www.bco-dmo.org/>). All molecular data will be deposited and made publicly accessible via GenBank (<http://www.ncbi.nlm.nih.gov/genbank/>).

In the appropriate “Methods” sections of the publications that result from the expeditions, we will fully describe the use of calibration standards, internationally accepted Standard Reference Materials (SRMs), internal standards used to quantify analytical precision, and other items analyzed as part of good analytical practice.

PI D'Hondt will curate any water-filter samples that remain after our analyses and make them available to other investigators on request. D'Hondt has a long record of supplying unused sample materials to other researchers over the years.