

## **Data Management**

### **1. Pre-Cruise Planning**

BCO-DMO for all aspects of data-management, construct a master list of all parameters to be reported from the cruise. This preliminary database includes sample sizes, units in which results for each parameter will be reported, responsible investigators and anticipated date of data submission.

### **2. Shipboard Data Management**

Wells will utilize GEOTRACES log sheets capture all necessary information pertaining to sample acquisition and sub-sampling for all over-the-side sampling. All sampling events will be recorded on these paper logs (scanned into PDF documents) and also in a digital event log, all of which will be archived by BCO-DMO. Other data that will be archived include raw and processed CTD data, all configuration files for sensors, and all parameters that are determined on board ship from discrete samples.

### **3. Post-cruise Data Management**

After the completion of the cruise, the original underway data will be contributed by the vessel operator to the UNOLS central data repository at <http://www.rvdata.us/catalog/>. In a similar time-frame, the PI will provide the BCO-DMO data-center with a complete copy of the underway and shipboard data set from the cruise including all associated metadata. The PI will also provide BCO-DMO with a cruise report within 6 months of the completion of the cruise. BCO-DMO will provide a template to illustrate the types of information required for this report.

### **4. Long-term Archiving and Data Accessibility**

In keeping with NSF policy, all data from this project will be submitted within 2 years of completion of the project.