

DATA MANAGEMENT PLAN

We will follow the data policy outlined by the GEOTRACES International Data Assembly Centre (<http://www.bodc.ac.uk/geotraces/data/policy/>) and in the case of this proposal, led by the PIs of the funded Management Proposal (Kadko, Cutter, and Landing). Therefore, our data management effort will begin with the pre-cruise planning workshop, where we will finalize the sampling strategy and data collection protocols both within our group and for those that apply to collaborating PIs. During the cruise, we will contribute to and coordinate with the sampling event log (paper and digital) leader as directed by the GEOTRACES cruise management team. Organization in this regard is critical as our proposed in-situ pumping efforts will generate samples for numerous PIs requiring splits from the various filters.

It is our understanding that the original underway data from our cruises will be submitted by the vessel operator to the UNOLS central data repository, which is currently managed by the Rolling Deck to Repository (R2R)¹ project. Per the policy of GEOTRACES and the NSF Division of Ocean Sciences, we will submit all other data and associated metadata no later than two years after they are generated to the BCO-DMO office²; they will in turn make the data available online at <http://bco-dmo.org/data/>, which can in turn be linked to the international GEOTRACES website. Lastly, unused portions of samples will be archived in a manner that preserves their quality for future use.

¹Rolling Deck to Repository (R2R)

<http://www.rvdata.us>

The R2R Portal is a central shore-side data gateway through which underway data from oceanographic expeditions will be routinely cataloged and securely transmitted to the national long-term digital data archives including the National Geophysical Data Center (NGDC) and National Oceanographic Data Center (NODC). The project is supported by the NSF Oceanographic Instrumentation and Technical Services (OITS) Program.

²Biological and Chemical Oceanography Data Management Office (BCO-DMO)

<http://bco-dmo.org>

The Biological and Chemical Oceanography Data Management Office (BCO-DMO) was created in late 2006 to serve PIs funded by the NSF Geosciences Directorate (GEO) Division of Ocean Sciences (OCE) Biological and Chemical Oceanography Sections and (with augmented funding in 2010) Office of Polar Programs (OPP) Antarctic Sciences (ANT). BCO-DMO manages and serves oceanographic biogeochemical, ecological, and companion physical data and information developed in the course of scientific research and contributed by the originating investigators. The BCO-DMO data system facilitates data stewardship, dissemination, and storage on short and intermediate time-frames.