Data Management Plan

The PIs of this proposal will conform to NSF policy on the dissemination and sharing of research results as described in the Grant Proposal Guide.

1. Data Policy Compliance
Data generated during the proposed research project will be submitted to the NSF-OCE-supported BCO-DMO system as a contribution of GEOTRACES-Compliant data to the GEOTRACES database.

BCO-DMO will be responsible for linking US GEOTRACES data to the international GEOTRACES data management system hosted at the British Oceanographic Data Centre.

2. Pre-cruise Planning
Planning for the UltraPac section began during informal discussions with European colleagues during meetings in 2014.

In November 2014, after the cruise was funded, we were informally invited to participate. A formal written invitation was provided during the preparation of this proposal.

Most of our samples will be collected using a rosette equipped with Niskin-type bottles. We anticipate that another group will be funded to collect particulate material by in situ filtration and that they will provide us with an aliquot of that material for analysis. We plan to obtain samples of surface sediments as well.

3. During the Cruise
The chief scientists will maintain a cruise log and prepare a cruise report. Our sampling protocols are described in the main text.

4. Post-cruise
All of our sample analyses occur post cruise back in the home lab.
Our analytical protocols will follow those described our recent publications that are cited in the Project Description.

As a quality control measure we will analyze an aliquot of an artificial seawater standard with each batch of samples. As an additional quality control measure, we also intercalibrate with other labs participating in the GEOTRACES program.

In compliance with US NSF policy our results will be submitted to the Biological and Chemical Oceanography Data Management Office (BCO-DMO) and the data sets will be available online from the BCO-DMO data system (http://bco-dmo.org/data/).