

Data Management Plan

US GEOTRACES GP17-OCE

Investigating the role of the Southern Ocean's biogeochemical divide in shaping the global distributions of radium and barium isotopes

Data types

This project will generate dissolved and particulate data for [^{226}Ra], [Ba], and $\delta^{138}\text{Ba}$ for samples collected during GP17-OCE. The data product will be a series of TEI concentrations (i.e., DPM or nmol per quantity) or isotopic ratios for each sample. The sampling strategy is described in the *GP17-OCE Management and Implementation Plan*, though we anticipate some refinements at the pre-cruise planning workshop.

Standards

We will follow the guidelines for data and metadata reporting set out by GDAC (GEOTRACES Data Assembly Center) and BCO-DMO (Biological and Chemical Oceanography Data Management Office). This will ensure that data generated in this project is collated with that of other investigators funded to participate in GP17-OCE.

Access

We will ensure that all data products are submitted in compliance with NSF OCE policies. Specifically, we intend to submit dissolved and particulate data to BCO-DMO within two years of data generation.

Re-use

All ^{226}Ra , Ba, and Ba-isotopic data generated here will be submitted to the GDAC for inclusion in subsequent GEOTRACES Data Products. (Re-)use of GEOTRACES data is subject to a *Fair Use Agreement*, available from the GEOTRACES website.

Archiving

Publications arising from this project will be deposited in both NSF's Public Access Repository and a non-typeset version with WHOAS (*Woods Hole Open Access Server*).

Any dissolved or particulate samples not fully consumed in the course of this research will be clearly labeled and archived at WHOI in the GEOSECS warehouse (Quissett North Campus). We will endeavor to honor all reasonable requests for sample material from the scientific community.