

## **Data Management Plan**

This project will do analyses of fiber samples collected on the GEOTRACES Arctic transect. In addition, we will do several analyses for radionuclides on sediments. Our plans for archiving data and samples include the following:

### *Results of Fiber Analyses for $^{227}\text{Ac}$*

The PIs will work with the Biological and Chemical Oceanography Data Management Office (BCO-DMO) of OCE to develop a plan for archiving the laboratory data collected during this project. We anticipate that a structured database for the field program hydrography and water column samples will be constructed, and we plan to submit results to this collection as they become finalized. In accordance with NSF policy, data submission will occur no more than 2 years after sample collection, although results may need updating as our counting extends into the third year of this program. If a structured database is not set up by the GEOTRACES program (unlikely), we will post our results on a USC website. Ultimately, these results will be published in the literature.

### *Additional Laboratory Measurements*

Analyses of archived sediments for radionuclides will be published in the literature. Any results that are unpublished within two years of the analyses can be obtained directly from the PIs.

### *Sample Archives*

Fibers of the B cartridges will be archived for a minimum of 5 years, should other investigators desire to use these for other purposes. These fibers will be made available to other investigators who request their use, after we have completed the  $^{227}\text{Ac}$  analyses. We anticipate that any sediments we analyze for radioisotopes will be completely consumed during the analysis. If any remain, we will be willing to share reasonable amounts of this material with other investigators who request it. Should material remain, we will archive it for a minimum of 5 years.