

Data Management plan

We will adhere to the GEOTRACES data submission plan for US GEOTRACES scientists. Our samples will consist of water collected by trace metal clean rosette or from hand sampling as described in the text of the proposal. Additional samples of snow, ice and from melt ponds will be obtained in collaboration with other participants.

All samples will be determined for the trace elements Fe, Al and Mn on board ship with 24-36 hours after they are sampled and standardized using commercial standards and calibrated seawater samples.

All the data from GEOTRACES cruise will be quality controlled and submitted to BCO-DMO (Biological & Chemical Oceanography Data Management Office, <http://www.bco-dmo.org/>) at WHOI where all US GEOTRACES data are initially housed. The data set with appropriate meta-data will also be sent from BCO-DMO to the British Oceanographic Data Centre (BODC, <http://www.bodc.ac.uk/>) in Liverpool, UK where the entire International GEOTRACES data sets are being archived. Data will be shared with cruise participants immediately after it has been finalized and will be released to the public within the two year time-frame required under NSF and GEOTRACES policies.