

## **Data Management Plan**

We will work with the pump management group (PIs Buesseler, Charette, Moore) and the Scripps on-board Ocean Data Facility data manager group to submit our pump metadata and Seacat CTD data during the cruise so that it will be available for shipboard participants.

The proposed research will generate particle samples from approximately 405 unique locations (13 regular stations and 4 super stations with 16 depths and 2 dipped blanks each, and 11 shelf/shallow stations with 8 depths and 1 dipped blank each). At each location, we will collect two  $>51\mu\text{m}$  filters, two QMA filters, and two Supor filters, for a total of around 2430 filters. Given the requests for samples so far, and with the North Atlantic and Eastern Zonal Pacific Geotraces cruises as a guide, we expect demand for particle subsamples to be high, and to fully distribute all collected particulate material to funded PIs within 2 months of returning from the cruise. All filters are photographed at constant lighting before and after subsampling to document the distribution process. Any leftover filter material will be kept dry in Phoebe Lam's laboratory at WHOI. All metadata concerning particle sample collection is shared with funded PIs at the time of sample distribution, and will be submitted to the Biological and Chemical Oceanography Data Management Office (BCO-DMO) at WHOI.

We will work with staff at the Biological and Chemical Oceanography Data Management Office (BCO-DMO) at WHOI to submit data from particle analyses and optical sensors within two years after the data are collected, in compliance with the NSF sample and data policy, and as we have already done for the data we collected from the North Atlantic GEOTRACES section.

Data submitted to BCO-DMO are available online (<http://bco-dmo.org/data/>).