

Data Management Plan

1. Data Types to be Produced

This project will produce observational syntheses (particle properties, trace metal distributions, nitrogen tracers distribution), model code (particle and microenvironment water-column model, global trace metal model, and nitrogen cycle model) and output from the numerical simulations. The model output files will be analyzed and post-processed for the purpose of conference presentations and scientific publications.

2. Data Standards

Data syntheses and model output will be archived as self-contained NetCDF files, whose meta-data is readable via the NetCDF libraries with a wide range of software analysis tools. Model code will be released as MATLAB code, and will include inline documentation and “how-to” tutorial files.

3. Data Access Policy

There are no confidential or private data expected in this study. The data syntheses, model code and output will be available on a publically accessible project web site and other public repositories (e.g. GitHub; BCO-DMO; Pangea) as soon as is feasible following processing.

4. Data Distribution Policy

Data will be made available as early as possible after analysis and publication of the results, but no later than the end of the project period.

5. Data Archive Plan

All data will be archived on PI Bianchi's RAID server in the Department of Atmospheric and Oceanic Sciences at UCLA. The data will be preserved for as long as possible, but at least until the end of the project period.