

DATA MANAGEMENT PLAN

With the data gathered from this proposed work a graduate student and the PI will promptly prepare and submit for publication all significant findings from our work. We anticipate that most of the data will be included in these publications. In addition, we will make publicly available, within 1 year of data collection, all primary data through submission to the National Oceanographic Data Center (NODC; <http://www.nodc.noaa.gov/>), BCO-DMO (<http://bcodmo.org/>) and CDIAC (<http://cdiac.ornl.gov/>). These will include the relevant meta-data describing analytical methods, sample locations, and dates of collection. The original underway data will be contributed by the vessel operator to the UNOLS central data repository at <http://www.rvdata.us/catalog/MV1310> managed by the Rolling Deck to Repository (R2R) Project. R2R will also ensure the permanent archival of original underway measurements at NODC. We will sample in international and American waters only, so that foreign nation requirements for data submission will not apply.

Bottle and CTD Data Files: Data particular to this project will TOC, nutrients (N+N, P, Si), dissolved oxygen, T/S, and gel and fine suspended particle abundances. The concentrations determined will be reported to data archives as a *cruise bottle file*, formatted as done for the data files completed as part of the US CLIVAR Repeat Hydrography program. A *cruise CTD file* will contain the 'continuous' data from the CTD sensors, binned to 1 meter intervals.