

Data Management Plan

Type of data: Most of the data produced in this project will be output from CT-ROMS (Coral Triangle - Regional Ocean Model System). Output files from CT-ROMS will consist of datasets typical of oceanographic model output, including temperature, salinity, current velocities, and other factors that the project research determines is important to coral reef vulnerability to temperature stress. The bleaching analyses will mostly be provided as 4-dimensional thermal stress data sets (latitude, longitude, depth, time). Model code will also be made available.

Standards: Data will be provided in NetCDF format whenever possible and feasible. Some ancillary data, such as any data sets derived from observational data, profile data, maps, etc, may be best provided in alternative formats (e.g. ASCII).

Data Access: Data access will be provided via the existing THREDDS (Thematic Realtime Environmental Distributed Data Services) server housed at Rutgers University (<http://oceanus.esm.rutgers.edu:8080/thredds/ROMS/CORAL/catalog.html>, which is currently being used to serve model output from other versions of ROMS).

Data Archiving: Permanent storage of final model data sets and coral bleaching analyses will be on NCAR's High Performance Storage System (HPSS) data archive system. At the close of the project, we will follow the same policy as NCAR's climate modeling program policy regarding access to data, which is committed to the timely submission of results from model runs for publication and sharing of the scientific data generated in research activities.