Data Management Plan

ODU:

Data description and format

Metadata for each deployment will include the date of deployment and retrieval, time (UTC) of deployment and retrieval, longitude, latitude, depth, a detailed methods description.

Specific data type (file format):

1. Data from the Mini-CTD casts on the day of each deployment and retrieval including date, time, longitude, latitude, depth, temperature, salinity, sigmat, and oxygen.

2. CO_2 concentrations (ppm) and delta^{13}C values of CO_2 samples from the deep-sea incubators at t_{zero} and t_{final}. (Colorado State lab data) (comma delimited text)

3. Total particulate organic carbon (POC) and delta13C values of POC values of the phytoplankton cultures and fecal pellets used in each incubation (Mulholland lab data) (comma delimited text)

4. DAPI/FITC cell counts of prokaryotes and eukaryotes (comma delimited text)

5. Time series of ^{14}POC, ^{14}DOC and ^{14}CO2 inventories in laboratory experiments (comma delimited text)

Intended repositories: All data derived from this project (raw images and processed data) will be deposited in The Biological and Chemical Oceanography Data Management Office (BCO-DMO) at Woods Hole (bco-dmo.org).

Timeline for data release:

12 months after fieldwork for oceanographic context data, raw images. Up to 36 months for prokaryotic and eukaryotic cell numbers, and data from laboratory experiments.

Policies for access and sharing

Data will be made freely accessible to the public according to NSF and BCO-DMO procedures and guidelines.

SBU:

Data description and format

Data for each deployment and lab experiment will include dates and designators of deployments and lab experiments and of analyses, and a detailed description of methods employed.

Specific data type (file format):

1. Data from FISH and general stain enumeration will be tabulated in Excel spreadsheets.

2. Images from these surveys will be archived as *.tiff, *.bmp, and *.jpg files.

3. Individual Raman spectral data files will be archived and organized by experiments and taxonomic groups as *.wdf files using the Renishaw Wire 5.x software and converted to *.txt and *.xls files for spectral and statistical analyses.

Intended repositories: All data derived from this project (raw images and processed data) will be deposited in The Biological and Chemical Oceanography Data Management Office (BCO-DMO) at Woods Hole (bco-dmo.org).

Timeline for data release:

Up to 36 months for FISH-derived prokaryotic and eukaryotic cell numbers and processed image and spectral data.

Policies for access and sharing

Data will be made freely accessible to the public according to NSF and BCO-DMO guidelines.