DATA MANAGEMENT PLAN

Please briefly describe (what, where, when) the data that will be produced by this project	The data generated in this study will consist primarily of the isotopic measurements of $\delta^{15}N$ of coral-bound organic N. We estimate between ~ 300-400 individual coral samples will be analyzed in this study. Samples will be prepared at Pomona College and sent to Princeton for isotopic measurements. We will also have ~ 200 samples dated with 14C "open ion source" method at NOSAMS (WHOI) as detailed in budget justification. We also plan to contribute funding for U/Th dating of the Holocene coral material, previously 14C dated in the J. Adkins collection at Caltech, to improve upon characterization of the regional hydrography through the Holocene.

Are the data (check all that apply)

X____ New observational data (in field measurements, measured sections, etc.)

X____ Physical samples (rocks, fossils, water, etc.)

_____ New results from model(s)

X____ Generated from previous observations, samples or models

_____ Other (please specify) _____

Approximately how much data will be produced each year? Please specify the type of data using the criteria above.	In year 1, we will analyze ~ 140 samples from collection of collaborator J. Adkins at Caltech (New England Seamount samples) and start analysis of the material of one of the european collaborators (either L. Robinson or D. Blamart). In year 1, we will also conduct ~1/2 of the planned 14C dating of samples. Based on these results (depending on number of Holocene samples identified), the number of $\delta^{15}N$ analysis will be adjusted for year 2, and estimated to be beween 150 and 250. The remaining ½ of planned 14C analysis will be requested at NOSAMS. By year 3, most of the analysis will be completed.

What metadata will be part of the datasets produced? Again, please use the data types specified above.	Metadata will consist of analytical procedures, procedural blanks, specified detection limit and other aspect of quality control of our laboratory procedures, as detailed in the project description

How will the data be made available to other researchers? To the general public?

Type of Access	Other researchers?	Public?
National data repository or database	X	X

Digital data from personal/institutional website	X	X
ftp download from personal /institutional site		
Email requests	X	
Museum repository (for physical samples)		
Laboratory access (for physical samples)		
Other		

If digital data will be made available, what file format(s) will be used?

File formats?	Excel, csv and text formats

How long do you expect to keep the data before making it available? If applicable, provide a description of the policies for the protection of proprietary data, privacy and confidentiality, and intellectual property. Please explain if different data products will become available on different time schedules (i.e. raw data vs. processed data, observations vs. models, field samples vs. laboratory analyses, etc.)

We plan to make the data available in one year after completion of the project. Furthermore, publications which will result from this work will include Tables with all the generated data (as Appendices or Supplemental Information).

Describe policies (if any) for re-use, re-distribution and production of derivatives of data

How long do you expect the data to be available after funding for the project has ended? Will it be archived somewhere for long term archiving and curation?

We plan to archive the dataset generated in this study on a dedicated data-archiving website. At the moment, the most appropriate archiving websites seem to be : Marine Geoscience Data System and Integrated Earth Data Applications

Additional comments