

# NODC Electronic Data Documentation Form

NOAA FORM 24-13  
(Revised 9/2001)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE  
NATIONAL OCEANOGRAPHIC DATA CENTER  
SSMC-3 FOURTH FLOOR, 1315 EAST WEST HWY  
SILVER SPRING MD 20910-3282

FORM APPROVAL PENDING

This form should accompany all data submissions to the National Oceanographic Data Center. Section 1, Contributor Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent descriptive information about the submitted data at that time. Please include any relevant reports, publications, or other supporting documentation that assist in describing data collection, analysis, and format specifics.

## SECTION 1. CONTRIBUTOR IDENTIFICATION

(PLEASE COMPLETE INFORMATION ABOUT WHO IS SENDING THE DATA TO NODC.)

1. Name of contributor Laura Lorenzoni	5. Telephone 727-553-1103
2. Organization/Institution name University of South Florida College of Marine Science Institute for Marine Remote Sensing	6. Email laural@mail.usf.edu
3. Mailing address 140 7th Avenue South St. Petersburg, FL 33701	7. FAX 727-553-1103
4. City St. Petersburg State/Province Florida Zip/Postal Code 33701 Country USA	8. Other contact methods/information

## SECTION 2. DATA COLLECTOR IDENTIFICATION

(PLEASE COMPLETE INFORMATION ABOUT WHO COLLECTED THESE DATA.)

1. Name of data collector Ramon Varela Yrene Astor	5. Telephone 011-58-295-8083804
2. Organization/Institution name EDIMAR, Fundacion La Salle de Ciencias Naturales	6. Email yastor@edimar.org rvarela@edimar.org
3. Mailing address Final Calle Colon Punta de Piedras Isla Margarita, Venezuela	7. FAX
4. City Punta de Piedras State/Province Isla de Margarita Zip/Postal Code Country Venezuela	8. Other contact methods/information

**SECTION 3. GENERAL DATASET DESCRIPTION**  
**(PLEASE COMPLETE GENERAL INFORMATION ABOUT THESE DATA.)**

1. Dataset Title (if applicable) (may be sent in an included ASCII text file named "abcTITLE.TXT" where abc are your initials)

Carbon Retention in a Colored Ocean (CARIACO) Bottle Cast Data September February August

2. Dataset Abstract (please provide a brief description of the contents of the dataset) (may be sent in an included ASCII text file named "abcABSTRACT.TXT" where abc are your initials)

3. Dataset Purpose (please provide a brief statement about the purpose for collecting these data) (may be sent in an included ASCII text file named "abcPURPOSE.TXT" where abc are your initials)

4. Dataset collection dates

First day of data collection August 09, 2011

Last day of data collection October 10, 2012

5 Dataset location

Northernmost Latitude

Southernmost Latitude 10° 29.56; 10° 30.35

Easternmost Longitude

Westernmost Longitude

Ocean/sea area names -64°39.80; -64°40.99

Continental Shelf of Venezuela

6. Platform(s) used to collect these data

Platform name(s) and type(s)

Research Vessel Hermano Ginés

7. Instruments used to collect these data

Instrument(s)

Seabird Rosette with 12-8L Niskin Bottles, SBE 25CTD, SBE43 Oxygen Sensor.

8. Parameters measured

Parameters

Depth, Temperature, Salinity, Dissolved Oxygen, pH, Alkalinity, particulate organic carbon, particulate organic nitrogen, chlorophyll a concentration, phaeopigment concentration, primary productivity, dissolved nitrate, nitrite, ammonia, silicate, and phosphate concentrations.

9. Project name(s)

Carbon Retention in a Colored Ocean (CARIACO)

10. Original cruise name(s)

Car166 - Car182

11. Volume of data transferred (in bytes)

19 KB

12. Filenames in data submission

C183\_1\_NODC.txt - C196\_1\_NODC.txt

**SECTION 4. SCIENTIFIC CONTENT OF DATASET**  
**(PLEASE COMPLETE SPECIFIC INFORMATION ABOUT THESE DATA.)**

Include enough information concerning the manner of observation, instrumentation, analysis, and data reduction techniques to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained 'as is' as a permanent part of the data and will be available for future users. Equivalent information already available may be substituted for this section of this form (i.e., publications, reports, and README files containing descriptions of observational and analytical methods).

NAME OF MEASURED PARAMETER	UNIT OF MEASURE USED FOR PARAMETER	OBSERVATION METHOD AND INSTRUMENT USED (TYPE & MODEL	ANALYTICAL METHOD AND LABORATORY PROCEDURES USED (INCLUDING MODIFICATIONS)	DATA PROCESSING TECHNIQUES (WITH FILTERING AND AVERAGING)
Depth	meter	SBE29	Refer to Muller-Karger et al. 2001, (JGR v.106, n.C3, pp.4527-4542).	
Temperature	Degrees Celsius	SBE3		
Salinity	psu	SBE 4 and Guildline Portsal 8410 Salinometer		
Disolved Oxygen	mL/L	Oxygen Titration/SBE43		
pH	total scale	Ocean Optics Spectrometer		
Alkalinity	mol/kg	Ocean Optics Spectrometer		
Particulate Organic Carbon	mg/ cubic meter	Perkin Elmer 2400 Elemental Analyzer		
Particulate Organic Nitrogen	mg/ cubic meter	Perkin Elmer 2400 Elemental Analyzer		
Chlorophyll a	mg/ cubic meter	WET Labs ECO-FL Deep Chlorophyll fluorometer/Turner Designs benchtop fluorometer		
Primary Production	mgC/cubic meter/hour	Betascout Scintillation Counter		
Nutrients	uM	Autoanalyzer Technicon II		

**SECTION 5. DATA FORMAT OF DATASET****(PLEASE COMPLETE SPECIFIC INFORMATION ABOUT THE FORMAT OF THESE DATA.)**

Include enough information concerning the format of these data to make them understandable to future users. Furnish at least the minimum documentation considered relevant for your data. Documentation will be retained 'as is' as a permanent part of the data and will be available for future users. Equivalent information already available may be substituted for this section of this form (i.e., publications, reports, and README files containing descriptions of the data format). At a minimum, please include the following information:

1. Media type on which data were submitted (e.g., FTP, exabyte tape, etc.)

FTP

2. Name of included file that contains specific record layout, if applicable, including:

FIELD NAME, POSITION FROM 0 MEASURED IN (BITS, BYTES, ETC.), LENGTH (NUMBER, UNITS), ATTRIBUTES, USE AND MEANING

3. Brief description of file organization

Each data file is organized into the following columns:

cruise, leg, station, cast, bottle, latitude, longitude, date, time(local), target\_depth, corrected\_depth, temperature(CTD), salinity(CTD), density(CTD), discrete\_salinity, dissolved\_oxygen, dissolved\_oxygen, pH(at25oC), total\_alkalinity, particulate\_organic\_carbon, particulate\_organic\_nitrogen, chlorophyll\_a, phaeopigment, primary\_production, nitrite, nitrate, ammonia, silica, phosphate

4. Record type(s)

5. Data format information contact person

Name Laura Lorenzoni

Email laural@mail.usf.edu

Telephone 727-553-1103

Address University of South Florida  
College of Marine Science  
140 7th Avenue South  
St. Petersburg, FL 33701

**SECTION 6. INSTRUMENT CALIBRATION****(PLEASE COMPLETE SPECIFIC CALIBRATION INFORMATION ABOUT INSTRUMENTS USED TO COLLECT THESE DATA.)**

Include enough information about instrument calibration to make it understandable to future users. Furnish the minimum documentation considered relevant for each instrument. Documentation will be retained 'as is' as a permanent part of the data and will be available for future users. Equivalent information already available may be substituted for this section of this form (i.e., publications, reports, and README files containing descriptions of observational and analytical methods).

1. Name of included file that contains specific calibration details, if applicable, including:

INSTRUMENT TYPE (MFR., MODEL#), DATE OF LAST CALIBRATION, LAST CALIBRATED BY (NAME, ORGANIZATION), INSTRUMENT CALIBRATED AT (FIXED INTERVALS/BEFORE USE/AFTER USE/BEFORE AND AFTER USE/ONLY AFTER REPAIR/ONLY WHEN NEW/OTHER (SPECIFY)/INSTRUMENT NOT CALIBRATED

enter name of file submitted to NODC containing calibration detail information