

GOMECC Cruise Readme File

Cruise Information:

The cruise departed Galveston, Texas on July 10, 2007
and arrived in Boston, Massachusetts on August 4, 2007.

Project Information:

This project is in support of the North American Carbon Program (NACP) and represents a collaboration between the National Oceanic and Atmospheric Administration, the Earth System Research Laboratory, the University of Miami's Rosenstiel School of Marine and Atmospheric Science, the University of South Florida, the University of Georgia, the University of New Hampshire, Texas A&M University, the University of Colorado, the University of Southern Mississippi, Loyola College of Maryland, and Lamont-Doherty Earth Observatory.

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List of variables included in the GOMECC bottle dataset:

COLUMN	HEADER	EXPLANATION
1.	STNNBR	Station Number
2.	CastNo	Cast Number
3.	SampNo	Sample Number
4.	BTLNBR	Bottle Number
5.	DATE	MM/DD/YYYY
6.	TIME	HH:MM
7.	LAT	Latitude in decimal degrees (negative values are in the southern hemisphere).
8.	LONG	Longitude in decimal degrees (negative values are in the western latitudes).
9.	DEPTH	Meters
10.	CTDPRS	CTD Pressure - dbars
11.	CTDTMP	CTD Temperature - ITS-90
12.	CTDSAL	CTD Salinity - PSS-78
13.	CTDOXY	CTD Oxygen - UMOL/KG
14.	THETA	Degrees Celsius
15.	SALNTY	Salinity - PSS-78
16.	SALNTY_FLAG_W	Salinity Flag - WOCE
17.	OXYGEN	UMOL/KG
18.	OXYGEN_FLAG_W	Oxygen Flag - WOCE
19.	SILCAT	Silicate - UMOL/KG
20.	SILCAT_FLAG_W	Silicate Flag - WOCE

21.	NITRAT	Nitrate - UMOL/KG
22.	NITRAT_FLAG_W	Nitrate Flag - WOCE
23.	NITRIT	Nitrite - UMOL/KG
24.	NITRIT_FLAG_W	Nitrite Flag - WOCE
25.	PHSPHT	Phosphate - UMOL/KG
26.	PHSPHT_FLAG_W	Phosphate Flag - WOCE
27.	AMMNIA	Ammonia - UMOL/KG
28.	AMMNIA_FLAG_W	Ammonia Flag - WOCE
29.	CFC-11	PMOL/KG
30.	CFC-11_FLAG_W	CFC-11 Flag - WOCE
31.	CFC-12	PMOL/KG
32.	CFC-12_FLAG_W	CFC-12 Flag - WOCE
33.	CFC-113	PMOL/KG
34.	CFC-113_FLAG_W	CFC-113 Flag - WOCE
35.	TCARBN	Total Carbon - UMOL/KG
36.	TCARBN_FLAG_W	Total Carbon Flag - WOCE
37.	ALKALI	Alkalinity - UMOL/KG
38.	ALKALI_FLAG_W	Alkalinity Flag - WOCE
39.	PCO2_20	UMOL/KG
40.	PCO2_20_FLAG_W	PCO2_20 Flag - WOCE

Post-Cruise Updates/Changes:

February 27, 2008 - Received Chris Fairall's meteorology flux data.

February 21, 2008 - Received Joe Salisbury's DOC data from Robert Castle. The data is not yet merged into the data file.

February 17, 2008 - Received the GOMECC buoy-deployed ADCP data report From Philip Orton.

February 16, 2008 - Received Shari Yvon-Lewis's HCFC underway data.

March 14, 2008 - Heike reformatted the flux data and added a header line.

March 22, 2008 - Merged Joe Salisbury's bottle DOC data into the master datafile. Duplicates were averaged with a WOCE QC flag of 6. Sample number RB22 20070716 3-1 was missing the bottle number in UNH log file; this sample was not merged into the datafile. Posted the updated master data file along with the original DOC data on the GOMECC data page.

March 23, 2008 - Posted the DOC underway data on the GOMECC data page.

March 27, 2008 - Merged the bottom depths into the master datafile.

April 24, 2008 - Per Xinping Hu's request changed TALK for sample number 6801 from 2751.866944 to 2263.33227382272.

June 27, 2008 - Robert Castle received and posted the CTD data on AOML ftp site: /ocd/pub/castle/GOMECC.

October 31, 2008 - Received and posted Natchanon Amornthammarong's underway ammonia data.

November 4, 2008 - Received and posted Dr. Salisbury's underway chlorophyll data.

November 8, 2008 - Received and posted Dr. Byrne's underway DIC data.

December 4, 2008 - Received and merged the nutrient bottle update into the GOMECC Bottle data file.

July 15, 2010 - Received and merged the final nutrient bottle data into the GOMECC Bottle data files GOMECCMasterBottle.xls and GOMECCMasterBottle.csv.

