

GLODAP v2 ODV Collection

Created by Reiner Schlitzer, Alfred Wegener Institute, Bremerhaven on December 15, 2015 using basin-wide files obtained from CDIAC. ODV 4.6.2 or later is required to open the collection. For more information see http://cdiac.ornl.gov/oceans/GLODAPv2/NDP_093.pdf.

The collection contains data for 45 variables at 45,306 stations as shown in the map below. Data availability (in %) by variable is summarized in Table 1.

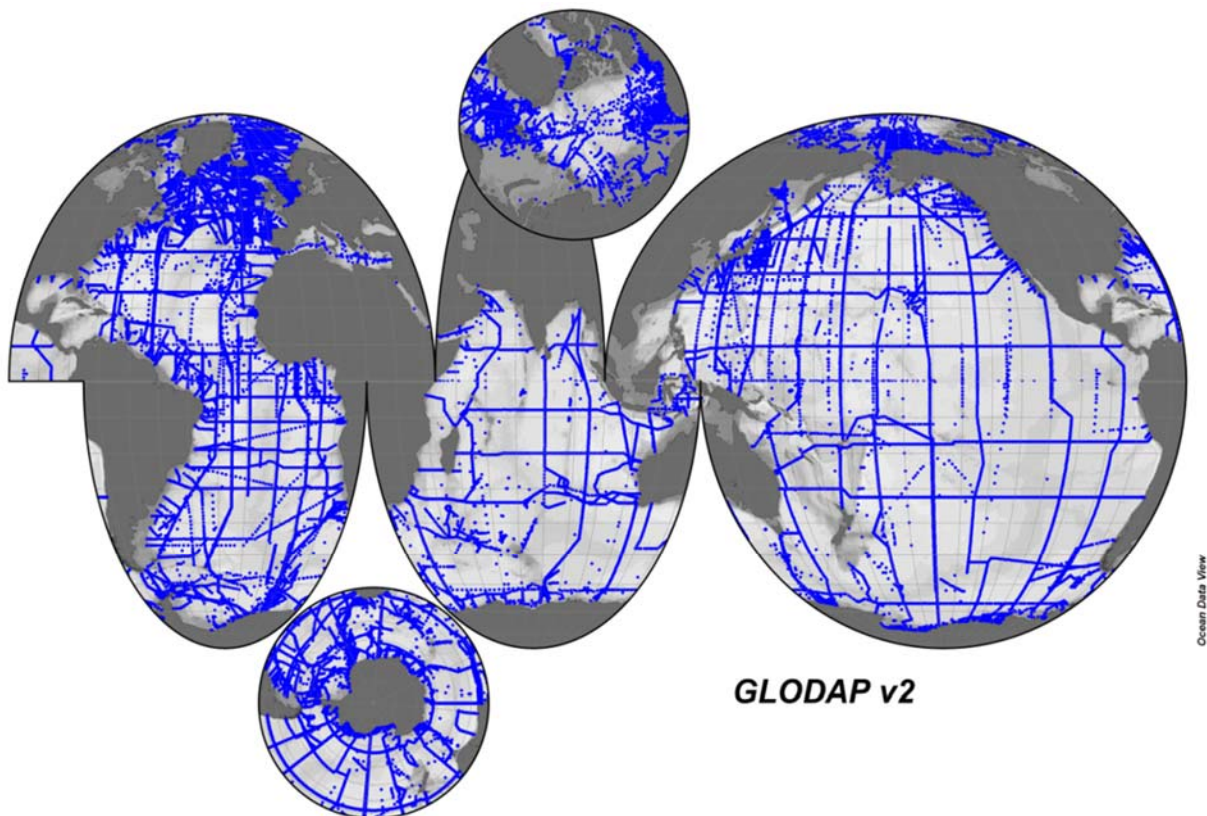


Figure 1: GLODAP v2 station map.

Table 1: Data availability (in %) by variable.

1:	PRESSURE [DBAR]	100
2:	DEPTH [M]	100
3:	TEMPERATURE [DEG C]	99
4:	SALNTY [PSS-78]	98
5:	OXYGEN [UMOL/KG]	89
6:	PHSPHT [UMOL/KG]	77
7:	SILCAT [UMOL/KG]	82
8:	NITRAT [UMOL/KG]	83
9:	NITRIT [UMOL/KG]	57
10:	ALKALI [UMOL/KG]	32
11:	TCARBN [UMOL/KG]	36
12:	CFC-11 [PMOL/KG]	31
13:	CFC-12 [PMOL/KG]	30
14:	CFC-113 [PMOL/KG]	9
15:	CCL4 [PMOL/KG]	4
16:	SF6 [FMOL/KG]	3
17:	DELC13 [/MILLE]	3
18:	DELC14 [/MILLE]	3
19:	TRITUM [TU]	3
20:	DELHE3 [PERCNT]	4
21:	HELIUM [NMOL/KG]	3
22:	NEON [NMOL/KG]	2
23:	O18/O16 [/MILLE]	1

24:	TOC [UMOL/KG]	0
25:	DOC [UMOL/KG]	4
26:	DON [UMOL/KG]	0
27:	TDN [UMOL/KG]	2
28:	CHLORA [UG/KG]	4
29:	pHT(p=0,T=25,S)	30
30:	pHT(p,T,S)	30
31:	THETA [DEG C]	96
32:	SIGMA0 [KG/M**3]	96
33:	SIGMA1 [KG/M**3]	96
34:	SIGMA2 [KG/M**3]	96
35:	SIGMA3 [KG/M**3]	96
36:	SIGMA4 [KG/M**3]	96
37:	NEUTRAL DENSITY [KG/M**3]	85
38:	AOU [UMOL/KG]	83
39:	pCFC-11 [PPTV]	30
40:	pCFC-12 [PPTV]	29
41:	pCFC-113 [PPTV]	9
42:	pCCL4 [PPTV]	4
43:	pSF6 [PPTV]	3
44:	CASTNO	99
45:	BOTTLENO	99

Metadata and Data

In addition to the standard metadata the collection has a *Cruise Metadata* meta variable containing links to additional cruise metadata (Figure 2) for the current station. Clicking on the value opens the cruise metadata file in the web browser (Figure 3).

Where available, 1- σ error data are included with the actual data (Figure 2). These error values are available for plotting via the *Metadata > Data Error Value* derived variable. QC flag values are shown when hovering the mouse over one of the ⓘ symbols or variable names.

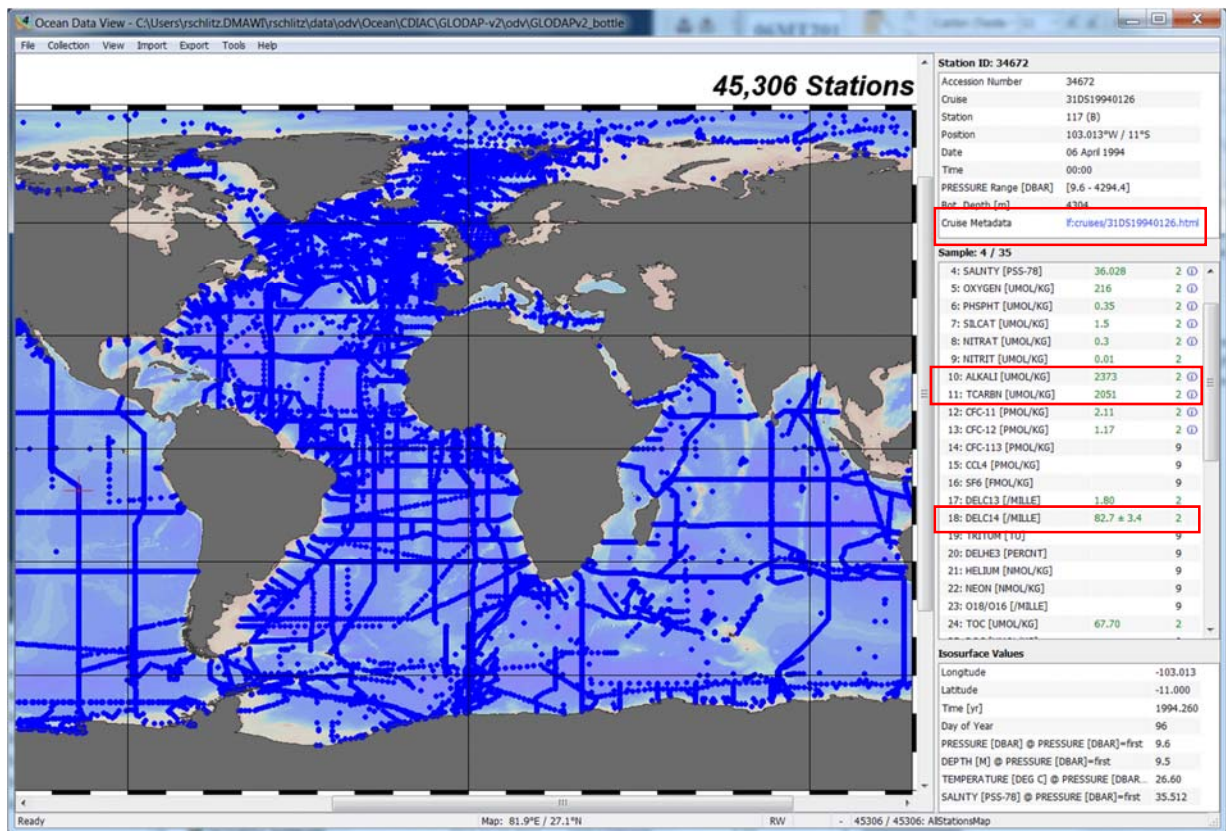


Figure 2: GLODAP v2 metadata, data error and QC flag support.

06MT20110405 x 06MT20110405 x 31DS19940126 x

file:///C:/Users/rschlitz.DMAWI/rschlitz/data/odv/Ocean/CDIAC/GLODAP-v2/odv/GLODAPv2

31DS19940126

EXPCODE:	31DS19940126
Alias:	NOAA GCG-94 / 31DSCG94_1,2,3; WOCE P18
Consists of (Legs):	31DS19940126
Station Range:	
Region:	Pacific
Dates:	01/26/1994-04/27/1994
Ship:	Discoverer
Chief Scientist:	B. Taft (P18S), G. Johnson (P18N)
Carbon PI:	R. Feely, R. Byrne, F. Millero
Hydrography (T, S) PI:	B. Taft, G. Johnson
Oxygen PI:	B. Taft, G. Johnson, J. Bullister
Nutrients PI:	K. Krogsland
CFC (CFC-11, CFC-12, CFC-113, CCl4, SF6) PI:	J. Bullister
Organics (DOC, TDN, POC, PON) PI:	
Isotopes (C14, C13, H3, He3, He, Neon, 18O, Ba) PI:	P. Quay, W. Jenkins, J. Butler
Other PI:	

Figure 3: Example cruise metadata.