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.
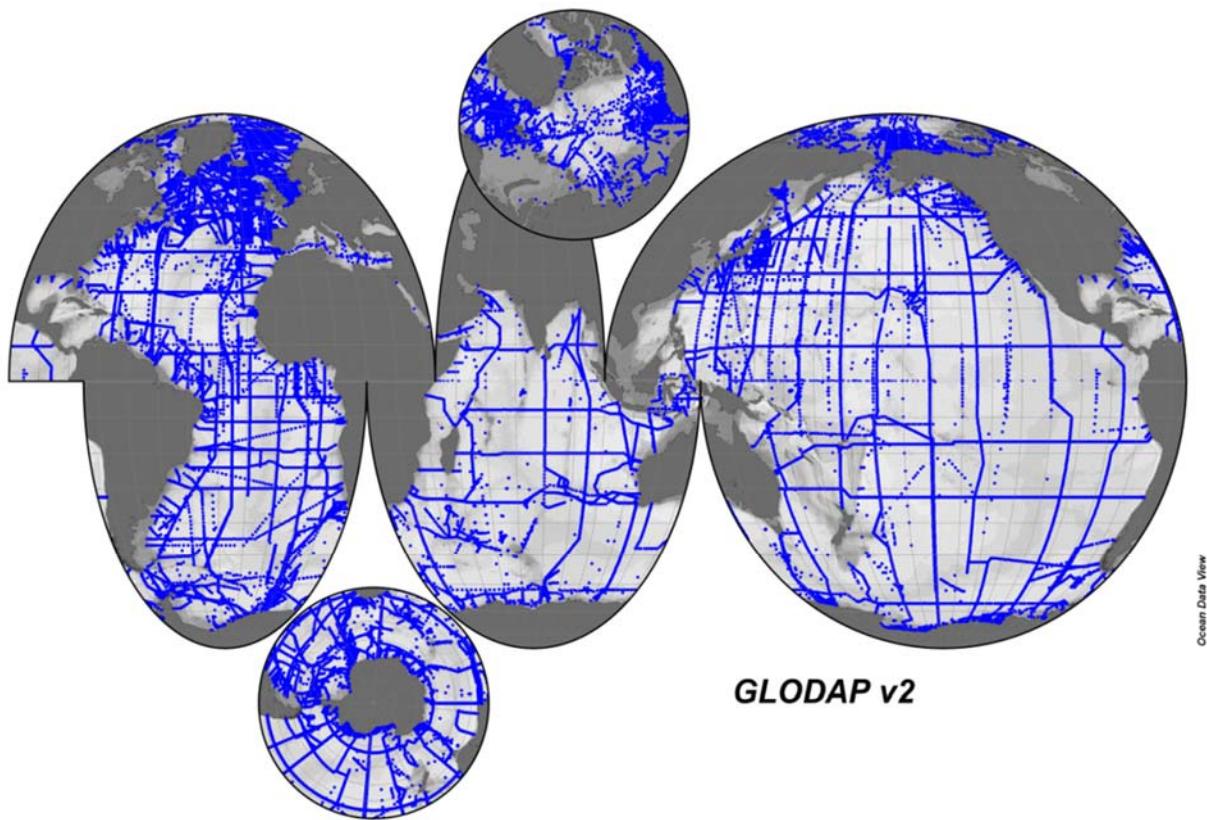

Figure 1: GLODAP v2 station map.

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

1:	PRESSURE [DBAR]	100		24:	TOC [UMOL/KG]	0
2:	DEPTH [M]	100		25:	DOC [UMOL/KG]	4
3:	TEMPERATURE [DEG C]	99		26:	DON [UMOL/KG]	0
4:	SALNTY [PSS-78]	98		27:	TDN [UMOL/KG]	2
5:	OXYGEN [UMOL/KG]	89		28:	CHLORA [UG/KG]	4
6:	PHSPHT [UMOL/KG]	77		29:	pHT(p=0,T=25,S)	30
7:	SILCAT [UMOL/KG]	82		30:	pHT(p,T,S)	30
8:	NITRAT [UMOL/KG]	83		31:	THETA [DEG C]	96
9:	NITRIT [UMOL/KG]	57		32:	SIGMA0 [KG/M**3]	96
10:	ALKALI [UMOL/KG]	32		33:	SIGMA1 [KG/M**3]	96
11:	TCARBN [UMOL/KG]	36		34:	SIGMA2 [KG/M**3]	96
12:	CFC-11 [PMOL/KG]	31		35:	SIGMA3 [KG/M**3]	96
13:	CFC-12 [PMOL/KG]	30		36:	SIGMA4 [KG/M**3]	96
14:	CFC-113 [PMOL/KG]	9		37:	NEUTRAL DENSITY [KG/M**3]	85
15:	CCL4 [PMOL/KG]	4		38:	AOU [UMOL/KG]	83
16:	SF6 [FMOL/KG]	3		39:	pCFC-11 [PPTV]	30
17:	DELC13 [/MILLE]	3		40:	pCFC-12 [PPTV]	29
18:	DELC14 [/MILLE]	3		41:	pCFC-113 [PPTV]	9
19:	TRITUM [TU]	3		42:	pCCL4 [PPTV]	4
20:	DELHE3 [PERCNT]	4		43:	pSF6 [PPTV]	3
21:	HELIUM [NMOL/KG]	3		44:	CASTNO	99
22:	NEON [NMOL/KG]	2		45:	BOTTLENO	99
23:	O18/O16 [/MILLE]	1				

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.
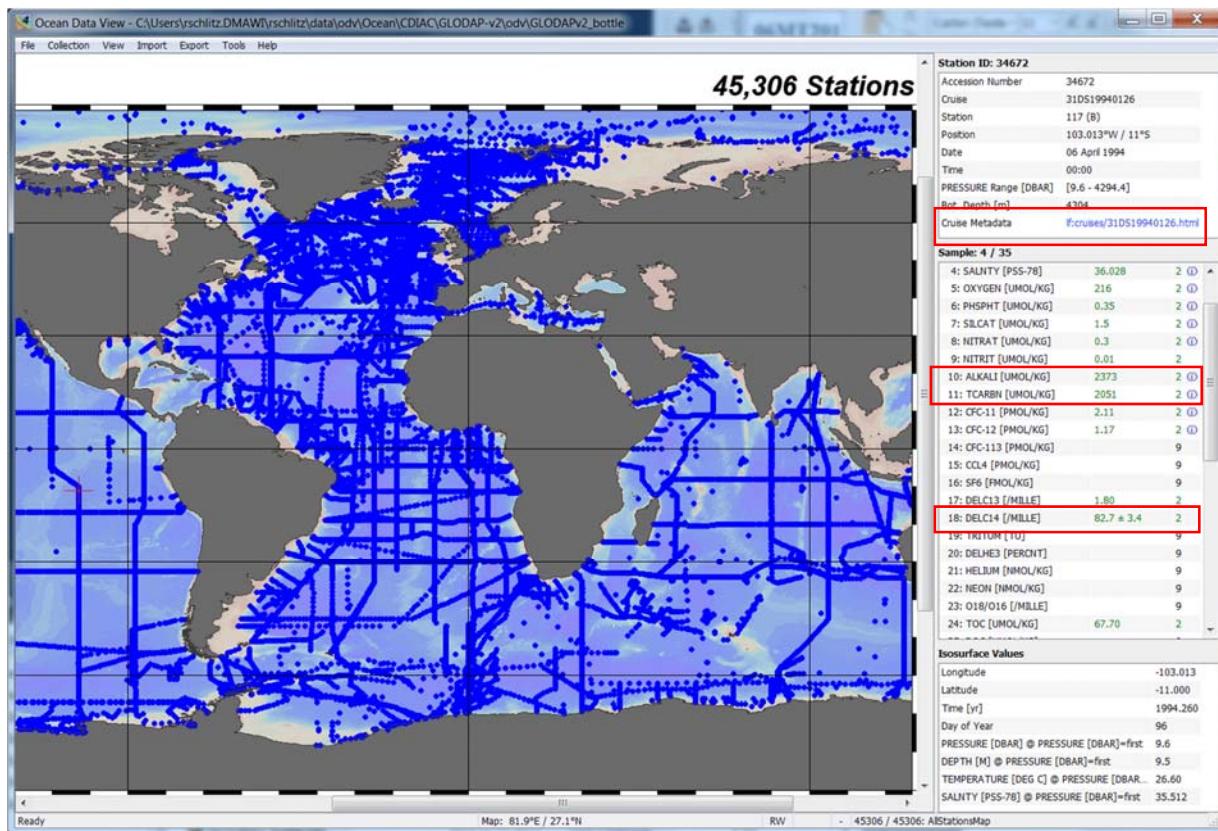
Figure 2: GLODAP v2 metadata, data error and QC flag support.
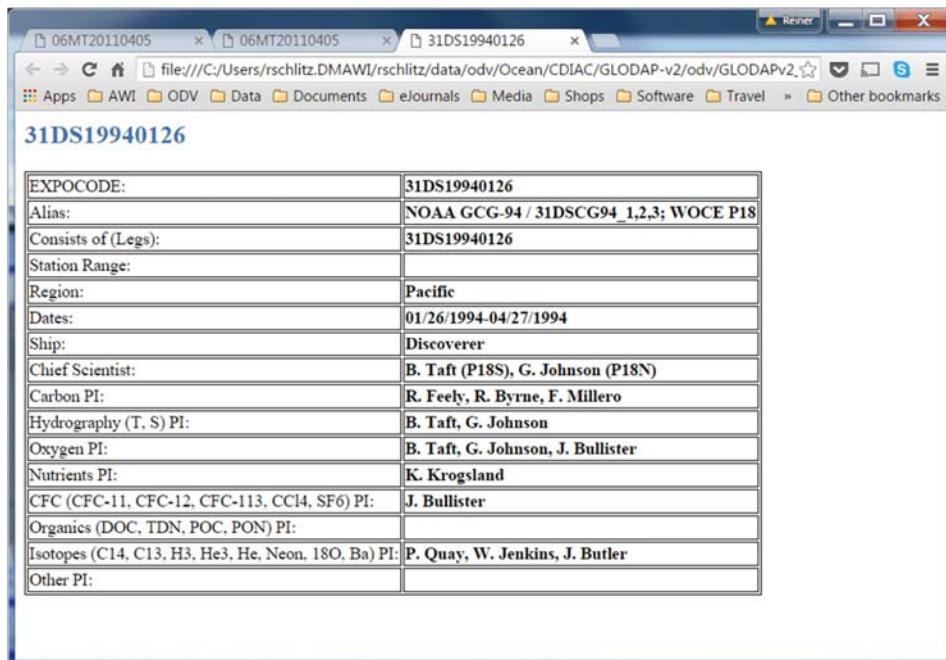
Figure 3: Example cruise metadata.