GLODAPv2.2022 ODV Collection

Created by Reiner Schlitzer, Alfred Wegener Institute, Bremerhaven on August 08, 2022 using basin-wide files obtained from GEOMAR.

The collection contains data for 45 variables at 61,689 stations as shown in the map below. Data availability (in %) by variable is summarized in Table 1.

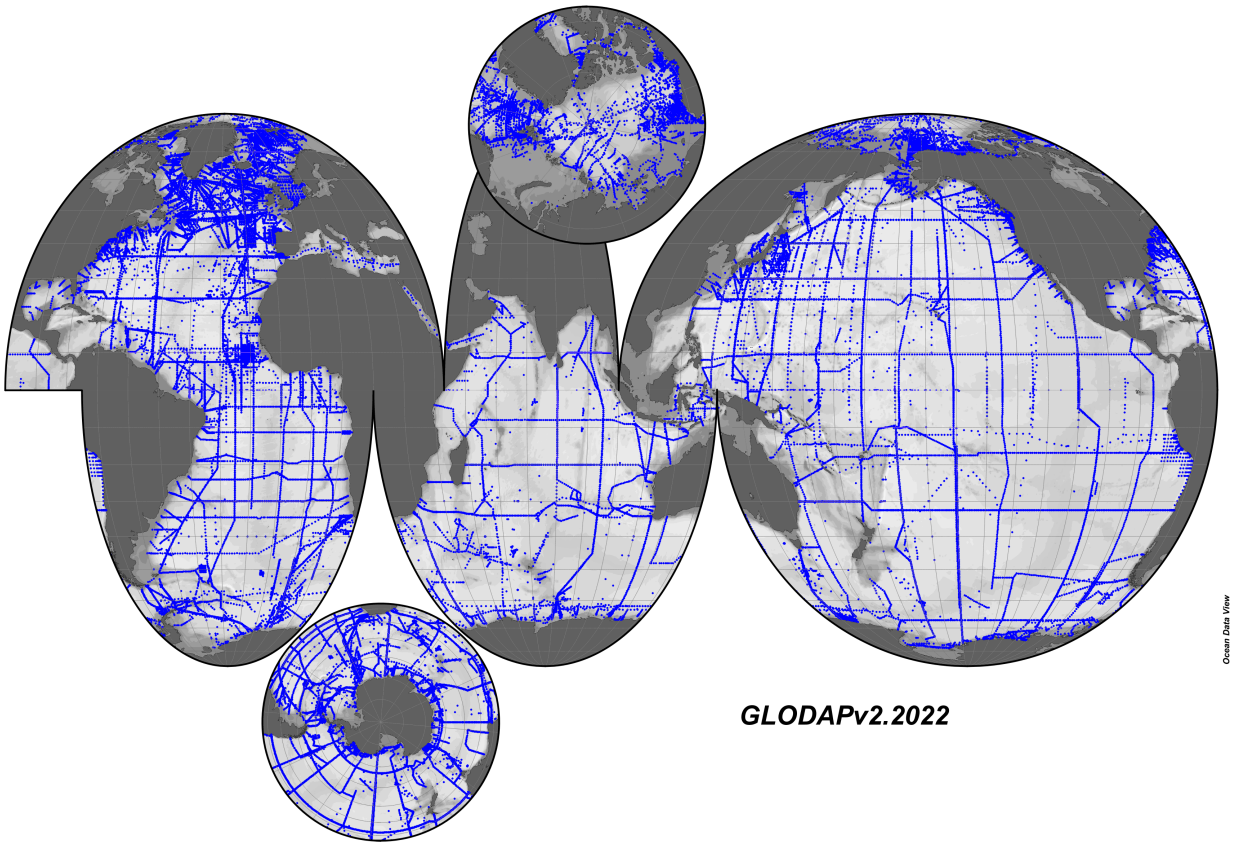

Figure 1: GLODAPv2.2022 station map.

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]	76
7:	SILCAT [UMOL/KG]	80
8:	NITRAT [UMOL/KG]	80
9:	NITRIT [UMOL/KG]	58
10:	ALKALI [UMOL/KG]	35
11:	TCARBN [UMOL/KG]	39
12:	CFC-11 [PMOL/KG]	27
13:	CFC-12 [PMOL/KG]	29
14:	CFC-113 [PMOL/KG]	8
15:	CCL4 [PMOL/KG]	3
16:	SF6 [FMOL/KG]	7
17:	DELC13 [/MILLE]	2
18:	DELC14 [/MILLE]	3
19:	TRITUM [TU]	2
20:	DELHE3 [PERCNT]	3
21:	HELIUM [NMOL/KG]	2
22:	NEON [NMOL/KG]	1
23:	O18/O16 [/MILLE]	1

24:	TOC [UMOL/KG]	0.3
25:	DOC [UMOL/KG]	4
26:	DON [UMOL/KG]	0.1
27:	TDN [UMOL/KG]	2
28:	CHLORA [UG/KG]	3
29:	pHT [p=0,T=25,S]	34
30:	pHT [p,T,S]	34
31:	THETA [DEG C]	97
32:	SIGMA0 [KG/M**3]	97
33:	SIGMA1 [KG/M**3]	97
34:	SIGMA2 [KG/M**3]	97
35:	SIGMA3 [KG/M**3]	97
36:	SIGMA4 [KG/M**3]	97
37:	NEUTRAL DENSITY [KG/M**3]	86
38:	AOU [UMOL/KG]	84
39:	pCFC-11 [PPTV]	27
40:	pCFC-12 [PPTV]	28
41:	pCFC-113 [PPTV]	8
42:	pCCL4 [PPTV]	3
43:	pSF6 [PPTV]	7
44:	CASTNO	100
45:	BOTTLENO	100

Metadata and Data

In addition to the standard metadata, the collection has a *Cruise Metadata* meta variable containing a link 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). You find details about the cruise, such as cruise dates, ship name and names of chief scientist as well as lead PIs for various groups of measurements. In addition, you also find links to references associated with this cruise (*Refs*), the cruise report and original data file of the cruise (*Data Files*), the OCADS metadata page of the cruise (*Metadata*), and the QC Details and Adjustments page of the cruise (*QC Details*). An example adjustments page is shown in Fig. 4 below.

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.

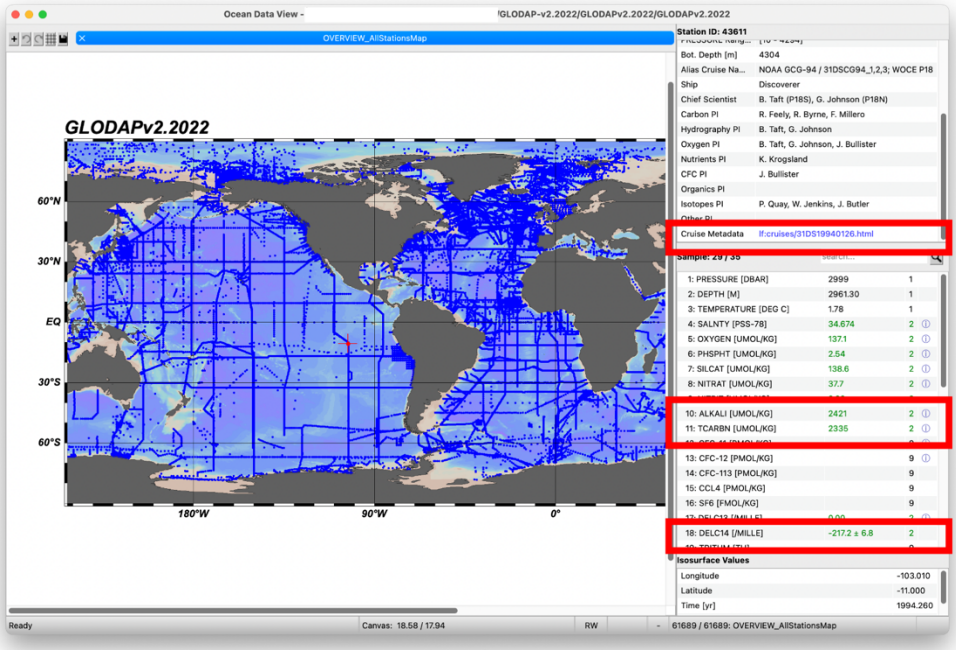

Figure 2: GLODAPv2.2022 metadata, data error and QC flag support.

31DS19940126

EXPOCODE:	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:	
Measurements in Dataset:	**CTDTMP, CTDSAL, SALNTY, CTDOXY, OXYGEN, SILCAT, NITRAT, NITRIT, PHSPHT, CFC-11, CFC-12, RITUM, HELIUM, DELHE3, DELC14, DELC13, TCARBN, FCO2, FCO2TMP, ALKALI, PH_TOT, PHTEMP, THETA, TRITER**
Cruise Data References:	
Data Files:	Data Files
Metadata Report:	Metadata
QC Details and Adjustments:	QC Details

Figure 3: Example cruise metadata.

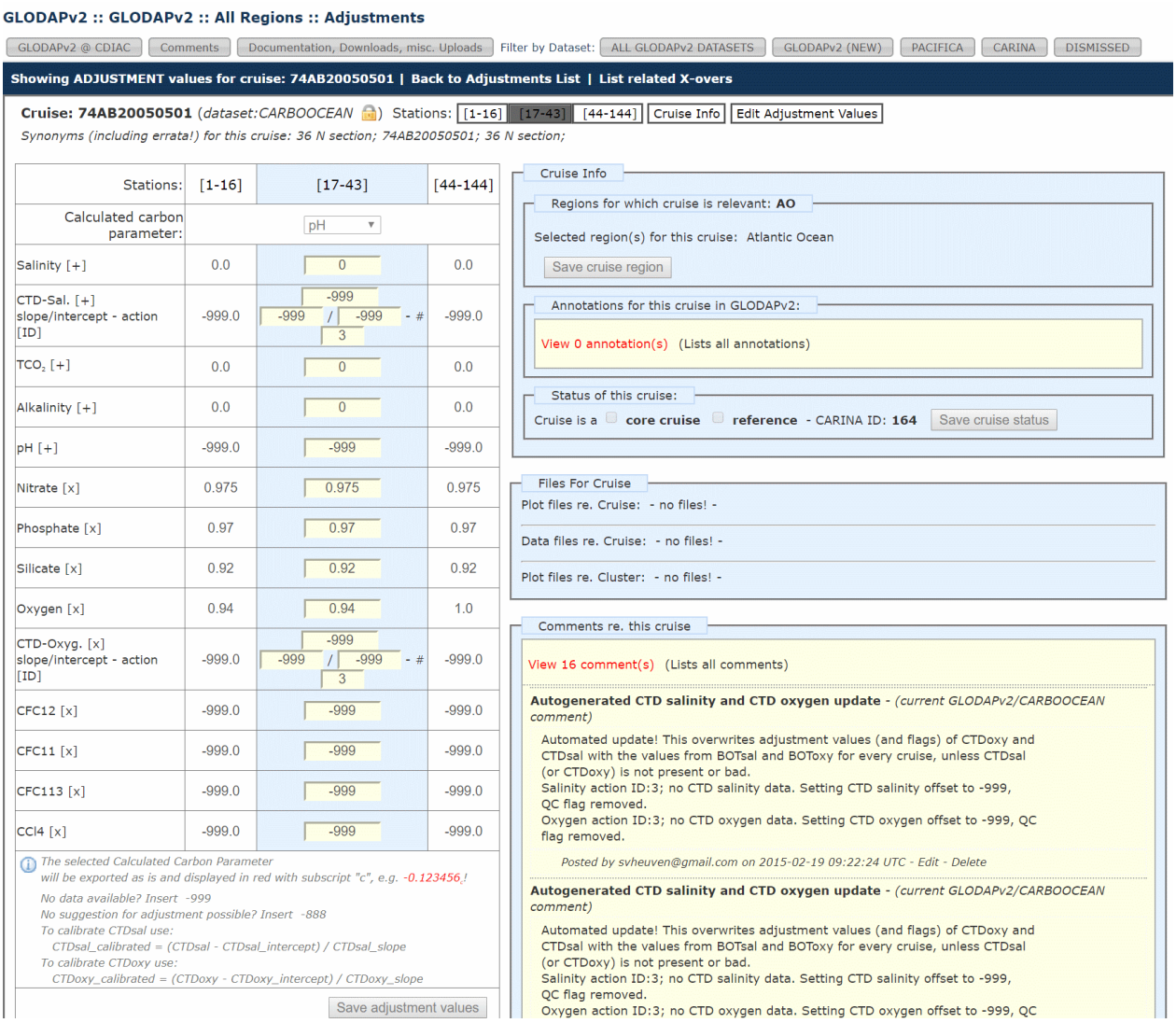

Figure 4: Example data adjustments page.