CRUISE REPORT: 106S (1996) (updated 06 APR 2005) Α.



A.1. Highlights

Cruise Summary Information

| WOCE section designation | 106S |
|---|--|
| Expedition designation (EXPOCODE) | 35MF103_1 |
| Chief Scientists | Alain Poisson, Nicolas Metzl, Christian Brunet |
| Dates | 1996.FEB.01 - 1996.MAR.31 |
| Ship | R/V MARION DUFRESNE |
| Ports of call | Durban, South Africa |
| Number of stations | 98 |
| | 30°0.14'S |
| Station Geographic boundaries | 24°56.01'E 30°6.6'E |
| | 69°2.84'S |
| Floats and drifters deployed | none |
| Moorings deployed or recovered | none |
| Chief Scientists' C | ontact Information |
| Alain Poisson apoisson@ccr.jussieu.fr | Université Pierre et Marie Curie |
| TEL: 33-1-4427-4869 • FAX: 33-1-4427-3866 | Laboratoire de Physique et Chimie Marines |
| Nicolas Metzl metzl@ccr.jussieu.fr | Case 134 4, Place Jussieu |
| TEL: 33-1-4427-3394 • FAX 33-1-4427-4993 | Paris Cedex 05, 75252 |
| Christian Brunet brunet@ccr.jussieu.fr | FRANCE |

Sea/Ocean:

ANTARCTIC OCEAN INDIAN SECTOR - (30E entre Afrique/continent Antarctique)

Objectives:

- Estimation du flux a la frontiere Atlantique/Indien,
- Etude spacio-temporelle de la circulation zonale dans l'Atlantique,
- Etude de la dynamique du systeme Antarctique,
- Etude de l'alimentation du "gyre" de Weddel,
- Evolution de l'eau de fond de Weddel,
- Echange de CO2 a l'interface air-mer.

Scientific Authority:

LBCM PARIS Universite P. et M. Curie (Paris VI) 4, Place Jussieu- case courrier 134 75252 PARIS CEDEX 05 tél: 33 (0)1 44.27.48.66 fax: +33 (0)1 44 27 49 93

Ship Fitting-out Authority:

IPEV

Chief Scientist(s):

POISSON Alain (email : apoisson@ccr.jussieu.fr) METZL Nicolas (email : metzl@ccr.jussieu.fr) BRUNET Christian (email : brunet@ccr.jussieu.fr)

Participating Bodies UPMC, CNRS, CEA, CNES

Discipline(s):

CHIMIE OCEANIQUE METEOROLOGIE OCEANOGRAPHIE PHYSIQUE

Summary of Measurements:

| Hydrologie: | CTD-O2, XBT, ADCP, thermosalinometre. |
|---------------------------|--|
| Geochimie: | mesures d'alcalinite, T CO2, pH, oxygene, sels nutritifs, |
| | pCO2, barium, fluorescence de surface. |
| Traceurs: | C13, C14, O18, T, He3, CFC. |
| Mesures en continu de: | temperature, salinite, pression partielle de CO2, oxygene, |
| | pH, dans les eaux de surface. |
| Mesures de pression parti | elle de CO2 dans l'air |

Mesures de pression partielle de CO2 dans l'air.

| Code | Name | Nb. | Responsible |
|------|---------------------------------|-----|---------------|
| H09 | Water bottle stations | 55 | POISSON Alain |
| H10 | CTD stations | 48 | POISSON Alain |
| H21 | Oxygen | 55 | POISSON Alain |
| H22 | Phosphate | 53 | POISSON Alain |
| H24 | Nitrate | 53 | POISSON Alain |
| H26 | Silicate | 53 | POISSON Alain |
| H27 | Alkalinity | 55 | POISSON Alain |
| H28 | pH | - | POISSON Alain |
| H32 | Isotopes | 18 | POISSON Alain |
| | Rapport isotopique O18/O16 | | |
| H73 | Geochemical tracers (eg freons) | 53 | POISSON Alain |
| | 54 stations avec Freons, | | |
| | 30 stations avec Helium | | |
| H74 | Carbon dioxide | 55 | POISSON Alain |
| | Carbone inorganique total | | |
| M71 | Atmospheric chemistry | | POISSON Alain |

Copyright ©lfremer

http://www.ifremer.fr/sismer/catal/campagne/campagne.htql?crno=96200020



Station Locations • I06S (1996) • Poisson/Metzl/Brunet • R/V Marion Dufresne

Produced from .sum file by WHPO-SIO

CTD DATA CONSISTENCY CHECK

About the '_check.txt', '_sal.ps' and '_oxy.ps' files:

The WHP-Exchange format bottle and/or CTD data from this cruise have been examined by a computer application for contents and consistency. The parameters found for the files are listed, a check is made to see if all CTD files for this cruise contain the same CTD parameters, a check is made to see if there is a one-to-one correspondence between bottle station numbers and CTD station numbers, a check is made to see that pressures increase through each file for each station, and a check is made to locate multiple casts for the same station number in the bottle data. Results of those checks are reported in this '_check.txt' file.

When both bottle and CTD data are available, the CTD salinity data (and, if available, CTD oxygen data) reported in the bottle data file are subtracted from the corresponding bottle data and the differences are plotted for the entire cruise. Those plots are the '_sal.ps' and '_oxy.ps' * files.

| EXPOCODE | DEPTH | SILCAT | HELIUM_FLAG_W |
|---------------|---------------|---------------|---------------|
| SECT_ID | CTDPRS | SILCAT_FLAG_W | DELHE3 |
| STNNBR | CTDTMP | NITRAT | DELHE3_FLAG_W |
| CASTNO | CTDSAL | NITRAT_FLAG_W | DELC13 |
| SAMPNO | CTDSAL_FLAG_W | PHSPHT | DELC13_FLAG_W |
| BTLNBR | SALNTY | PHSPHT_FLAG_W | 018016 |
| BTLNBR_FLAG_W | SALNTY_FLAG_W | CFC-11 | O18O16_FLAG_W |
| DATE | CTDOXY | CFC-11_FLAG_W | TCARBN |
| TIME | CTDOXY_FLAG_W | CFC-12 | TCARBN_FLAG_W |
| LATITUDE | OXYGEN | CFC-12_FLAG_W | ALKALI |
| LONGITUDE | OXYGEN_FLAG_W | HELIUM | ALKALI_FLAG_W |
| THETA | | | |

Following parameters found for bottle file:

All ctd parameters match the parameters in the reference station.

Station #5 has a CTD file, but does not exist in i06sb hy1.csv. Station #7 has a CTD file, but does not exist in i06sb_hy1.csv. Station #9 has a CTD file, but does not exist in i06sb_hy1.csv. Station #50 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #52 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #54 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #56 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #58 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #60 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #62 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #64 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #66 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #68 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #69 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #70 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #72 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #74 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #76 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #78 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #80 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #82 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #83 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #84 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #85 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #86 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #87 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #88 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #90 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #91 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #92 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #93 exists in i06sb hy1.csv, but does not have a corresponding CTD file. Station #94 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #95 exists in i06sb_hy1.csv, but does not have a corresponding CTD file. Station #96 exists in i06sb_hy1.csv, but does not have a corresponding CTD file.

No bottle pressure inversions found. Bottle file pressures are increasing.

i06sb_hy1.csv -> contains stations with multiple casts:

| station -> 11: 2 casts. | station -> 36: 2 casts. | station -> 6: 2 casts. | station -> 8:2 casts. |
|-------------------------|-------------------------|-------------------------|------------------------|
| station -> 14: 2 casts. | station -> 38: 2 casts. | station -> 60: 2 casts. | station -> 80:2 casts. |
| station -> 16: 2 casts. | station -> 40: 2 casts. | station -> 62: 3 casts. | station -> 82:2 casts. |
| station -> 18: 2 casts. | station -> 42: 2 casts. | station -> 64: 2 casts. | station -> 83:2 casts. |
| station -> 20: 2 casts. | station -> 44: 3 casts. | station -> 66: 2 casts. | station -> 84:2 casts. |
| station -> 22: 2 casts. | station -> 46: 2 casts. | station -> 68: 2 casts. | station -> 85:2 casts. |
| station -> 24: 2 casts. | station -> 48: 2 casts. | station -> 69: 2 casts. | station -> 86:2 casts. |
| station -> 26: 2 casts. | station -> 50: 2 casts. | station -> 70: 2 casts. | station -> 87:2 casts. |
| station -> 28: 2 casts. | station -> 52: 2 casts. | station -> 72: 2 casts. | |
| station -> 30: 2 casts. | station -> 54: 2 casts. | station -> 74: 2 casts. | |
| station -> 32: 2 casts. | station -> 56: 2 casts. | station -> 76: 2 casts. | |
| station -> 34: 2 casts. | station -> 58: 2 casts. | station -> 78: 2 casts. | |



| Date | Contact Data Type Data Status Summary | | | | | | | |
|----------|--|--|--|--|--|--|--|--|
| 02/03/98 | Anderson SUM Data Reformatted | | | | | | | |
| | Notes on i06 reformatting. | | | | | | | |
| | the WHP fo following are | rmats. This cor e other discrepa | nsisted mostly of addi ncies that were found | o conform with what is, at this time ng spaces and shifting data. The d. Some that were obvious were determine what should be done. | | | | |
| | i06_sum.txt: | | | | | | | |
| | record 42 | 20 max. pressure | as 29 60.0 - changed input as 288?2 - chang all had the date as 31 | | | | | |
| | i06_hyd.txt: | | | | | | | |
| | desired o | lepths (pressure) some that have | for sample. Doesn't ca | 30,40,1750,2000, as if they were ause a problem, just strange. There no, these are usually the deepes | | | | |
| | Station CTDSAL SALNTY | I2, cast 1 and 0 , CTDOXY, THE , OXYGEN, CFC | TA, SILCAT, NITRAT | do not have CTDPRS, CTDTMP f or PHSPHT. But they do have ARBN. WOCECVT will not conver | | | | |
| | Station 25, records 720 to 731, sample 325 bottle 12 to sample 1600 bottle screwed up. THETA, SALNTY, OXYGEN, and SILCAT columns do not ha correct values. QUALT1 flags not much help in determining what the problem be. Values aren't even close to what they should be. Some values might be wrong columns, but that does not account for everything. | | | | | | | |
| | Station 28, record 811 (last record in file) is incomplete. The .hyd file stops at sta 28, but the .sum file indicates there should be 52 stations. | | | | | | | |
| | In the following stations the cast number in the .sum file does not cast number in the .hyd file. | | | | | | | |
| | | | cast #s in .sum | | | | | |
| | | 2 3 | 1 and 3 1 and 3 | 1 and 2 1 and 2 | | | | |
| | | 7 | 1 and 3 | 1 and 2 | | | | |
| | | 9 | 1 and 3 | 1 and 2 | | | | |
| | | 11 15 | 1 and 3 1 and 3 | 1 and 2 1 and 2 | | | | |
| | | 17 | 1 and 3 | 1 and 2 | | | | |
| | | 19 | 1 and 3 | 1 and 2 | | | | |
| | | 21 | 1 and 3 | 1 and 2 | | | | |
| | | 23 | 1 and 3 | 1 and 2 | | | | |
| | | 25 | 1 and 3 | 1 and 2 | | | | |
| | | 27 | | | | | | |

I'm guessing the .hyd is correct and the .sum is incorrect. But I did not change either of them.

| Date | Contact | Data Type | Data Status Summary | | | |
|----------|--|--------------------------------------|--|--|--|--|
| 09/22/98 | Poisson | CTD | submitted | | | |
| | I received the I06S (1996 version) which is complete from Alain Poisson today on C ROM. This CD-ROM also contains all of the CTD data for I06-1993, so we can g Sailee/Dave Muus to correct the truncated stations from the aborted I06S effort. | | | | | |
| 03/12/99 | Diggs | HELIUM | Submitted, preliminary | | | |
| 06/07/99 | Diggs | HELIUM/CTD | Website Updated; Status changed to Public | | | |
| | | | n Poisson last September, and Jean- Baptiste gave use only). Data are PUBLIC. | | | |
| 07/28/99 | Diggs | HELIUM | Data Update; corrected misaligned columns | | | |
| | | minor formatting | errors in I06S(B) 1996 version (35MF103_1). I corrected | | | |
| 09/29/99 | Falkner | BA | Data Update Needed; quality concerns | | | |
| | quite poor; f We recorded | ar worse than at | om most WOCE legs in the Indian Ocean turned out to be trainable analytical precision (+/-20% as opposed to 2%). ch came back with loose caps and evaporation associated nary problem. | | | |
| | conservative sample. We | element simulta will be taking de | producing a decent data set is to run both Ba and a neously and then relating that to the original salinity of the livery on a high resolution ICPMS here at OSU sometime the project analytically feasible and economical. | | | |
| | | being. I don't thi | unds in hand to do this and so have archived the samples ink the WHPO would derive any benefit from the present | | | |
| 08/25/00 | Key | DELC14 | Submitted | | | |
| | The directory | | has been stored in is: .072602_KEY_I6S | | | |
| | The format type is: ASCII | | | | | |
| | The data type is: Other Type of Data | | | | | |
| | Here is the information regarding the 'OTHER' format: French data submitted on request of P. Chapman, see e-mail | | | | | |
| | The Bottle File has the following parameters: STNNBR, CASTNO, BTLNBR, DELC14, C14ERR, C14FLAG KEY, BOB would like the data PUBLIC. And would like the following done to the d merge, on-line | | | | | |
| | | | | | | |
| | Any addition | al notes are: File "I6S.0 | C14" | | | |

| Date | Contact | Data Type | Data Status Summary | | | | |
|----------|--|--|--|--|--|--|--|
| 09/29/00 | Diggs | HELIUM | Website Updated; Helium data online | | | | |
| | To date, I have not received any additional data for 35MF103_1. I decided to place helium data online as a placeholder for the rest of the bottle data. Perhaps, Dr. Por can shed some light on this matter for you (and me). thanks, | | | | | | |
| | Steve Diggs Dear Alain Poisson and Stephen Diggs, I've been asked about the status of the from cruise I06SB (WOCE expocode 35MF103_1; also known as CIVA 2). searched for the data from this cruise on the WOCE Global Data CD-ROMs (ver and at the WHPO web pages (see addresses below). I've found only 48 CTD sta of an apparent 98 stations and I've found only He for the bottle data. Do more exist? (I'm not sure what the asterisks mean on the data availability page.) And, if do exist, are they now available to the public? Please help. | | | | | | |
| | srutz@no 301-713- | Oceanographic odc.noaa.gov 3272 ext. 110 | | | | | |
| | | | ables/onetime/1tim_ind.htm#106 netime/indian/i06/i06sb/index.htm | | | | |
| 10/26/00 | Poisson | CTD/BTL | Data Requested by J. Swift | | | | |
| | Hydrographi | c Program "I06 | te your help with the data and information from the WOCE " section on the MARION DUFRESNE, Feb 20 - Mar 22, Office call by the EXPOCODE 35MF103_1. | | | | |
| | At the WHP Office we can find only the ".sum" file [covering stations 999, 998, at 96], the CTD data for stations 1-48 only, and helium data for the helium stations have no CTD data for stations 49-96, and we have no bottle salinity, oxygen, nut or CFC data for any of the stations. | | | | | | |
| | We have double-checked the CD-ROM you sent us some time ago and it contai the ".sum" and CTD data mentioned above from the 1996 cruise. We have a checked our email and we can find no correspondence about the missing data. | | | | | | |
| 11/06/00 | Poisson | BTL | Submitted | | | | |
| 11/08/00 | Poisson | CTD/BTL | Data are Public | | | | |
| | I am happy that you are able to read the files. Yes, all the CIVA 2 CTD data and also the CIVA 2 bottle data are public. | | | | | | |
| 11/8/00 | Poisson | CTD | Submitted | | | | |
| | This email confirms my receipt of your Microsoft Excel files holding the CTD da CIVA2 CTD stations 49-96. Thank you for these very important WOCE data. transfer the data to the WHPO computer, and arrange for what appears to be a small amount of reformatting of the data. | | | | | | |
| | I would greatly appreciate an email from you verifying that these data, and CIVA2 bottle data you sent recently, are public. | | | | | | |

| Date | Contact | Data Type | Data Sta | tus Sumr | mary | | | | |
|----------|---|--------------------------------------|--------------------------|--|--------------|--------------|--|--|--|
| 02/13/01 | Diggs | BTL | Update F | Update Request Sent to A. Poisson; QC flag questions | | | | | |
| | We have been looking at the bottle data for I06S (1996) and there seem to be son problems with the quality code flags. For instance, CTDOXY (CTD Oxygen) has value of -9.0 on a particular line, but the QC flag is 2 (good). Another example CTDSAL on the same line actually has a value, but the QC flag indicates that there no value. | | | | | | | | |
| | question is v | • | would be | possible t | | | nes of the file. The g errors down and | | |
| 02/13/01 | Uribe | CTD/BTL | Update N | leeded; Q | C flag pro | blems | | | |
| | |) because of bad ause of bad flag | • | Ds need t | o be adde | ed Bottle da | ta for this cruise is | | |
| | Request for need to be a | | made. CT | Ds online | e are not t | he most re | ecent version, they | | |
| 03/08/01 | Poisson | BTL | Data Upo | late; fixed | flag prob | lems | | | |
| | the flag colu (e.g.: to add | mn; thus the onl 2*E+14 to each | y thing to o number o | do is to ad | ld a "2" lea | | vas not included in line of this column | | |
| | Attached is a | a corrected table |). | | | | | | |
| 03/15/01 | Muus | HELIUM | | | | ged into on | line file n web because of | | |
| | quality code problems. Notes on I06Sb helium data merging March 15 2001. Received helium data fr Steve Diggs in November 2000 in following format: (First six lines only) EXPOCODE 35MF103_1 WHP-ID I06S CRUISE DATES 022096 - 032296 199900728WHPOSIO STNNBR CASTNO BTLNBR CTDPRS DELHE3 HELIUM QUALT1 DBAR % NMOL/KG ******* 8 2 18 96.0 -1.72 1.6800 21 | | | | | | y) 9900728WHPOSIOSCD QUALT1 | | |
| | 8 2 13 198.9 -0.82 1.7000 21 Received corrected SEA file March 13, 2001 from /usr/export/html-public/data/onetime/indian/i06/i06sb/original/2001.03.07_I06SB_BOT TLE_POISSON/I06S_Niskin_CIVA_2_20010309.txt 1. Since QUALT1 for DELHE3 are all "2"s, the QUALT1 for HELIUM were all changed from "1"s to "2"s. All entries in the file appear to have reasonable HELIUM values. 2. The new SEA file still has numerous QUALT1 inconsistencies. For example: a) Station 2 Btl #s 9 through 1 Silicate has "-9.00" for data and Quality Code 4. Numerous other places in this data set have same problem. b) Station 6 Cast 2 Btl #15 Nitrate and Phosphate have apparently good data but Quality Code "0"s. Station 90 Cast 1 Btl #11 & #8 through #1 have apparently good Alkalinity but Quality Code "0"s. | | | | | | | | |

| Date | Contact | Data Type | Data Status | Summary | | | | |
|----------|-----------------------------|---|---|--|-------------------------|--|--|--|
| 03/15/01 | Muus | HELIUM | Website Upd | Website Updated; Data online (continued) | | | | |
| | Bottle are c | c) Stations 90 and 91 have some bottles Quality Coded "5" but with data reported. Bottle oxygens are coded "3" but other values including some Station 90 freons are coded "2". d) Station 91 Cast 1 Btl #s 21 & 16 nutrients have -9.00 values and Quality Code | | | | | | |
| | "1"s. | | | | , | | | |
| | | a) The SEA file has the following Stations & Casts not found in the SUMMARY (19990406WHPOSIOSA) file: | | | | | | |
| | | | Station | Cast | | | | |
| | | | 44 62 | 3 | | | | |
| | | | e has the followir data in SEA file: | ng Stations & Cast | s labeled CAST TYPE | | | |
| | Stat | ion Cast | Station Cast | Station Cast | Station Cast | | | |
| | 99 | 9 1 6 5 | 998 1 7 1 | 3 1 8 4 | 5 1 8 5 | | | |
| | | 9 1 | 12 1 | 13 1 | | | | |
| | 1 | | 19 1 27 1 | 21 1 29 1 | 23 1 31 1 | | | |
| | 3 | | 35 1 | 37 1 | 39 4 | | | |
| | 3 | | 39 1 | 41 1 | 43 1 | | | |
| | 4 | | 47 1 | 49 1 | 51 1 | | | |
| | 5 | | 55 1 | 57 1 60 5 | 59 5 61 1 | | | |
| | 6 | | 60 4 63 1 | 60 5 65 1 | 61 1 67 1 | | | |
| | 7 | | 73 1 | 75 1 | | | | |
| | 7 | 8 5 | 79 1 | 81 1 | 82 5 | | | |
| | 8 | 4 5 | 85 5 | 89 1 | | | | |
| | 4. Changed | missing data v | values for DELH | E3 from -9.00 to -9 | 99.00. | | | |
| 06/27/01 | Uribe | CTD | Website Upd | ated, Exchange Fi | le Added | | | |
| | | ge files were | | | | | | |
| 12/24/01 | Uribe | CTD | Exchange file | | | | | |
| | CTD has bee | en converted t | to exchange usir | ig the new code ar | nd put online. | | | |
| 01/03/02 | Hajrasuliha | CTD | Internal DQE | completed | | | | |
| | created .ps f | iles. and .*che | eck.txt file. | | | | | |
| 05/13/02 | Kozyr | BTL | | ; Flags update, cor | | | | |
| | I missed the message for | • • | ge from 4 to 9 in | the attached i06sb | hy.txt file in previous | | | |
| | 69 (not 61) | - 1 - 13 one fl | - | has to be changed | from 4 to 9, and | | | |
| | 58-2-18 flag | g for nitrate ha | as to be changed | i from 4 to 9. | | | | |

| Date C | Contact | Data T | уре | Data Status Summary | | | | |
|----------|------------------------------|----------------------|-------------------|---------------------|----------------------|---|---|--|
| 05/13/02 | Kozyr | TCO2// | ALk 🛛 | Fina | al Data S | Submitted w/ New flags | | |
| fi | ixed the pro missing data | blems ir . I agre | n many ed with | case Bob | es throu 's flags | a set with new TCARBN a ighout the file when flag for TCARBN and TALK | "4" was assigned to , although the TALK | |
| | | | | | | e more questionable flag e rest of flags are as to Be | | |
| | TCAF | RBN | | | | | | |
| | 8 - | -1-22 | bit l | | | | mark 3 | |
| | | 1-2-24 | | | | sif=3, no3f=4 | mark 3 | |
| | | 3-2-9 | 10 | | | bad bottle | mark 4 | |
| | |)-2-11 | hi | | | lo vs sig3 | mark 3 | |
| | | 5-2-3 | | | | cfcllf=cfcl2f=3 | mark 3 | |
| | | 2-1-10 | 10 | VS | | | mark 3 | |
| | | 2-1-18 | lo | vs | | | mark 3 | |
| | | 2-2-14 | 10 | | aou | | mark 3 | |
| | | 1-3-11 | 10 | | sig2 | | mark 3 | |
| | | 3-2-2 | 10 | | sig2 | | mark 3 | |
| | | 5-1-17 | 10 | | P, | sif, po4f=3, no3f=4 | | |
| | | 5-1-19 | 10 | vs | | | mark 3 | |
| | | 1-2-5 | lo | vs | | | mark 3 | |
| | | 9-2-23 | vlo | | aou, | sig2 | mark 4 | |
| | | l-1-22 | lo | vs | | | mark 3 | |
| | | 1-1-24 | 10 | vs | | | mark 3 | |
| | | 1-2-3 | 10 | | P, | sif=3 | mark 3 | |
| | | 1-2-7 | 10 | | P, | sif=3 | mark 3 | |
| | | 5-1-13 | 10 | | P, | sif=po4f=4 | mark 3 | |
| | | 5-2-5 | lo | vs | | | mark 3 | |
| | | 8-2-11 | lo | VS | | | mark 3 | |
| | | 2-1-18 | bit l | | | | mark 3 | |
| | | 2-2-1 | lo | VS | | | mark 3 | |
| | | 8-2-4 | vlo | VS | | | mark 4 | |
| | | l-1-2 | 10 | vs | | | mark 3 | |
| | | 1-2-12 | bit l | | | | mark 3 | |
| | | 7-2-5 | 10 | | P, | po4f=4, | mark 3 | |
| | |)-1-14 | vlo | vs | | | mark 4 | |
| | | 1-7 | 10 | vs | | | mark 3 | |
| | | 2-1-1 | lo | vs | | | mark 3 | |
| | 93 | 8-1-7 | lo | VS | Ρ | | mark 3 | |
| | ALKA | | | | _ | | 1 2 | |
| | | 1-1-3 | bit h | | | no3f=4, sif=3 | mark 3 | |
| | | l-1-15 | | | | no3f=4, sif=3 | mark 3 | |
| | | 3-2-9 | 10 | | | bad bottle | mark 4 | |
| | | 3-1-12 | | | P, | sif=3 | mark 3 | |
| | | 4-1-7 | | | | cfcllf=cfcl2f=3 | mark 3 | |
| | | 4-2-19 | 10 | | - | no3f=po4f=3 | mark 3 | |
| | | 3-1-14 | bit h | ı vs | P, | sif=4 | mark 3 | |
| | |)-2-13 | hi | vs | Ρ, | sig2 | mark 3 | |
| | | 1-2-1 | 10 | | Ρ, | no3f=sif=3 | mark 3 | |
| | | 1-3-10 | | | sig2 | | mark 3 | |
| | | 4-3-21 | hi | | sig2 | | mark 3 | |
| | 46 | 5-2-18 | hi | VS | sig2 | | mark 3 | |

| Date | Contact | Data Type | Data Status Summary | | | |
|----------|---|---|---|--|--|--|
| 05/13/02 | Kozyr | TCO2/ALk | Final Data Submitted w/ New fla | ags (continued) | | |
| | | 2-1-5 hi | vs P, sif=4 | mark 3 | | |
| | | 9-2-23 vlo | vs P | mark 4 | | |
| | | 0-1-13 hi | vs pre | mark 3 | | |
| | | 2-2-5 hi | vs P, sig2 | mark 3 | | |
| | | 6-2-13 hi 8-2-4 hi | vs sig2 vs P | mark 3 mark 3 | | |
| | | 8-2-4 hi 2-2-1 lo | vs P vs P | mark 3 | | |
| | | 3-2-4 vlo | vs P, tco2f=4 | mark 4 | | |
| | | 4-1-11 hi | vs P | mark 3 | | |
| | | 4-1-15 hi | vs P | mark 3 | | |
| | 8 | 6-2-4 vhi | vs P | mark 4 | | |
| | | 6-2-6 hi | vs P | mark 3 | | |
| | | 8-1-14 hi | vs P, no3f=po4f=4 | mark 3 | | |
| | | 0-1-14 hi | vs P, tco2f=4 | mark 3 | | |
| | 9 | 5-1-10 bit h | i vs P | mark 3 | | |
| | I missed a few more flags that should be changed from 4 to 9 at: | | | | | |
| | 46-2-7 tv | vo flags | - | | | |
| | 61-1-13 | one flag | | | | |
| 07/17/02 | Diggs | CTD | Data Update | | | |
| | Was able to de-code (and decompress) the newer (year 2000) version of the CTD files. | | | | | |
| | These files are currently located in the following directory: | | | | | |
| | | | | | | |
| | <website>/data/onetime/indian/i06/i06sb/original/2000.11.06_08_CIV</website> | | | | | |
| | A2_CTD_BOTTLE_POISSON/i0-6.ctd As it turns out, they were "stuffit" files (mac), | | | | | |
| | and decompressed fine on my OSX box., even though they were mislabeled with the | | | | | |
| | "*.Z" xtension (usually reserved for UN*X compress files). I also changed the | | | | | |
| | | hanging slash t | o underscore) and corrected the | WOCE line ID (from I6 to | | |
| | 106SB). | 1 | | | | |
| 07/26/02 | Muus | BTL | Website Updated, Data OnLine | | | |
| | CTDSAL, C | TDOXY, CTDTM | 1P, CTDPRS, SUM, CTD | | | |
| | New sumfile provided by PI is now on-line. Made some format and data corrections as | | | | | |
| | described in notes file. Corrections provided by PI made to bottle file. CTD data for | | | | | |
| | Stations 49 through 96 were added to WOCE ctd zip file. New Exchange files on-line. | | | | | |
| | Details in Notes file sent to Jerry. | | | | | |
| | Notes on I06Sb changes: | | | | | |
| | 1. SUMMARY file from | | | | | |
| | 1. SUMN | • | | | | |
| | | IARY file from | /data/onetime/indian/i06/i06sh/or | iginal/2002 05 14 10658 | | |
| | | ARY file from | /data/onetime/indian/i06/i06sb/or NSSON/ Summary CIVA2 (13-5 | | | |
| | /usr/e | IARY file from export/htmlpublic PC | DISSON/ Summmary CIVA2 (13-5 | 5-02).txt | | |
| | /usr/e was c | IARY file from export/htmlpublic PC hanged to woce | NSSON/ Summmary CIVA2 (13-5 e format. (Original file had double | 5-02).txt e tabs as field separators, | | |
| | /usr/e was c missir | ARY file from export/htmlpublic PC hanged to woce ng leading zeros | DISSON/ Summmary CIVA2 (13-5 e format. (Original file had double s in date and time, and had son | 5-02).txt e tabs as field separators, ne missing decimal points | | |
| | /usr/e was c missir and "(| ARY file from export/htmlpublic PC hanged to woce ng leading zeros D"s for "0"s in p | DISSON/ Summmary CIVA2 (13-5 e format. (Original file had double s in date and time, and had son ositions.) Changed latitude on st | 5-02).txt e tabs as field separators, ne missing decimal points a32 cast 2 from 49 deg to | | |
| | /usr/e was c missir and "(40 de | ARY file from export/htmlpublic PC hanged to woce ng leading zeros D"s for "0"s in p g and sta 33 cas | DISSON/ Summmary CIVA2 (13-5 e format. (Original file had double s in date and time, and had son ositions.) Changed latitude on st st 1 EN from 49 deg to 41 deg to | 5-02).txt e tabs as field separators, ne missing decimal points a32 cast 2 from 49 deg to match adjacent casts and | | |
| | /usr/e was c missir and "(40 de 19990 | MARY file from export/htmlpublic PC hanged to woce og leading zeros D"s for "0"s in p g and sta 33 cas 0406 sumfile no | DISSON/ Summmary CIVA2 (13-5 e format. (Original file had double s in date and time, and had son ositions.) Changed latitude on st st 1 EN from 49 deg to 41 deg to w on web. Station 95 Cast 1 Bl | 5-02).txt e tabs as field separators, ne missing decimal points a32 cast 2 from 49 deg to match adjacent casts and E longitude changed from | | |
| | /usr/e was c missir and "(40 de 19990 29° to | MARY file from export/htmlpublic PC hanged to woce og leading zeros D"s for "0"s in p g and sta 33 cas 0406 sumfile no | DISSON/ Summmary CIVA2 (13-5 e format. (Original file had double s in date and time, and had som ositions.) Changed latitude on st st 1 EN from 49 deg to 41 deg to w on web. Station 95 Cast 1 Bl BO and EN longitudes for sam | 5-02).txt e tabs as field separators, ne missing decimal points a32 cast 2 from 49 deg to match adjacent casts and E longitude changed from | | |

| Date | Contact | Data Type | Data Status Summary | | |
|----------|---|----------------|--|--|--|
| 07/26/02 | Muus | BTL | Website Updated, Data OnLine (continued) | | |
| | Sumchk on new file ok. | | | | |
| | 2. A new bottle file was received from A. Poisson at the same time as the SUMMARY file with corrections suggested by WHPO-SIO notes file of March 15, 2001, but the new bottle file has columns left justified instead of right justified and the bottle quality flag is out of place. The corrections given in Alan Poisson's message of May 14, 2002, were made to the web bottle file (20010314WHPOSIODM). WHP-ID changed from I6 to I06SB. Other quality flag errors may still exist. | | | | |
| | CTD Stations 1 through 96 from: /usr/export/html-public/data/onetim i06sb/original/2000.11.06_08_CIVA2_CTD_BOTTLE_POISSON/i0-6 com-pressed for the CTD file. WHP- ID changed from I06S to I06S date were replaced by zeros, and NR. OF RECORDS were corrected | | | | |
| | Forme | | ere "DEG C" vs ITS-68 or ITS-90; changed to "DEG_C". ile on web contained Stations 1 - 48 only with old sumfile | | |
| | 4. New e | xchange bottle | and ctd files made. | | |
| | 5. New files checked with Java Ocean Atlas. | | | | |