

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100003	359163	C022		3112	35JC	TV5756	09/03/79	09/07/79	21	1,717
9100003	359164	C022		3112	35JC	TV5757	09/20/79	09/21/79	6	404
9100003	359165	C022		3112	35LU	TV5758	09/04/79	09/06/79	12	907
9100003	359166	C022		3112	35JC	TV5759	10/02/79	10/15/79	26	1,998
9100003	359167	C022		3112	35LL	TV5760	09/20/79	10/02/79	65	3,790
9100003	359168	C022		3112	35MF	TV5761	05/25/79	06/07/79	31	1,057
9100003	359169	C022		3112	35MF	TV5762	05/09/80	05/24/80	20	1,145
9100003	TV5756	F022		3112	35JC	12, LEG 1	09/03/79	09/07/79	21	1,717
9100003	TV5757	F022		3112	35JC	12, LEG 2	09/20/79	09/21/79	6	404
9100003	TV5758	F022		3112	35LU	1	09/04/79	09/06/79	12	907
9100003	TV5759	F022		3112	35JC	3 & 4	10/02/79	10/15/79	26	1,998
9100003	TV5760	F022		3112	35LL	2	09/20/79	10/02/79	65	3,790
9100003	TV5761	F022		3112	35MF	18	05/25/79	06/07/79	31	1,057
9100003	TV5762	F022		3112	35MF	22	05/09/80	05/24/80	20	1,145

NO. 9100003 FILETYPE CO22 TRACK 359163-69 PROJECT IDENTIFICATION _____

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. LRECL	BLK SIZE	NO. RECORDS
	01/11/91	CMH	A01344	8	41	4100	54,02
TAPE	01/29/91	CMH	W13159	8	41	4100	54,02
TO TAPE	2-26-91	R.P.S.	W04544 **	1	120	12000	11,008
TO DISK							
CHK							
CHK							
CO22							
FINALIZED							

ROUTED TO PRINCIPAL INVESTIGATOR: Tape W13159 is 9 TRK, NL, 1600 bpi.

** LABEL: DNODC * FRENCH CTD OUT

2 ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

1 TRACKS DELETED, FIELDS DELETED, ETC.)

WALSH REF #
359163

MILITARY TRACK #
TV 5756

MONITOR CONTACT
M. LEWIS

LOCATION OF F022 SOURCE
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NAUSEA REF #
359164

"MILDAPS TRACK"
TV5757

MONITOR: CONTACT
M. Lewis

LOCATION OF FOZZ SOURCE
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

HAUSEL REF #
359165

"HILDARS TRACK #
TV 5758

MONITOR: CONTACT
M LEWIS

LOCATION OF F022 SOURCE
archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

NONE

WILSON DEF
359166

WILSONS TRACK
705759

MONITOR: CONTACT
M LEWIS

LOCATION OF F022 SOURCE
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

NONE

WALSEN REF #
359167

"HILDAPS TRACK #"
TV5760

MONITOR: CONTACT
M. R. Lewis

LOCATION OF F022 SOURCE
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

NONE

WALSH REF #
359168

"WILDARS TRACK"
TV5761

MONITOR: CONTACT
M. Lewis

LOCATION OF F022 SOURCE
Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

VALSEN DEF
359169

"HILDARS TRACK
TV 5-102

MONITOR: CONTACT
M. Laro

LOCATION OF F022 SOURCE
Archive

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

REQUEST FOR ADP SERVICES

User Name <i>Cliff Hartley</i>	Phone # <i>673-5636</i>	Org/Task <i>EG12008N3HH9</i>	Submit Date <i>01/17/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operations
OTHER: none

Request/Problem Description:

*Copy tape A01344 to a W' tape
Please scan W' tape*

PART B

(For Operator Job Requests)

Operator Job Request Type

- ☐ Run BRBUOY procedure Name: _____ ☐ See attached list
☐ Run SELBUOY procedure Name: _____ ☐ See attached list
☐ Run BUOYSUM procedure Name: _____ ☐ See attached list
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS
☐ Tape Scan
☒ Tape to Tape Copy Scan OUTPUT tape? ☒ yes ☐ no
☐ Disk to Tape Copy Scan OUTPUT tape? ☐ yes ☐ no
☐ Tape to Disk Copy
☐ Print ☐ 80 column ☐ 132 column ☐ HEX ☐ OCTAL ☐ Character
 All files/records? ☐ yes ☐ no, see SPECIAL INSTRUCTIONS
☐ Restore VAX file Name: _____
☐ OTHER - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

Please send 'W' tape to Asheville, N.C.

JOB INPUT

Id#/Filename: *(D00201) A01344*Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:Tape Specs: ☐ 800 ☒ 1600 ☐ 6250 ☒ NL ☐ SLMAX Record Length: _____ *4* L MAX Blocksize: _____ *4 1 0 0*

JOB OUTPUT

Id#/Filename: *W13159*Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:Tape Specs: ☐ 800 ☒ 1600 ☐ 6250 ☒ NL ☐ SLMAX Record Length: _____ *4* L MAX Blocksize: _____ *4 1 0 0*

(OC's Use Only)

JOB Number: *91011843*Completed By: *D L*Date/Time Start: *1-29-91/12:35*Date/Time Completed: *1-29-91/12:55*

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EG12008N34H	01/09/91	ASAP

PART A

Request/Problem Category:

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplier
☐ Software ☐ Tape Library ☒ Computer Operations

A# 1344

PART B

(For Operator Job Request)

Operator Job Request Type:

- ☐ Run BRBUOY procedure Name: _____ ☐ See attached list
☐ Run SELBUOY procedure Name: _____ ☐ See attached list
☐ Run BUOYSUM procedure Name: _____ ☐ See attached list
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS
☒ Tape Scan
☐ Tape to Tape Copy Scan OUTPUT tape? ☐ yes ☐ no
☐ Disk to Tape Copy Scan OUTPUT tape? ☐ yes ☐ no
☐ Tape to Disk Copy
☐ Print ☐ 80 column ☐ 132 column ☐ HEX ☐ OCTAL ☐ Character
 All files/records? ☐ yes ☐ no, see SPECIAL INSTRUCTIONS
☐ Restore VAX file Name: _____
☐ OTHER - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

Please return tape A# 1344 to Bin #9

JOB INPUT

Id#/Filename: *A# 1344*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:

Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:

Tape Specs: ☐ 800 ☒ 1600 ☐ 6250 ☐ NL ☐ SL

MAX Record Length: _____ MAX Blocksize: *4100*

JOB OUTPUT

Id#/Filename: *A# 1344*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:

Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:

Tape Specs: ☐ 800 ☒ 1600 ☐ 6250 ☐ NL ☐ SL

MAX Record Length: _____ MAX Blocksize: *4100*

(Use Only)
 JOB Number: *91010915*
 Completed By: *[Signature]*

Date/Time Start: *1-11-91-19:45*
 Date/Time Completed: *1-11-91-19:50*

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Ctr
1825 Connecticut Ave., NW
Washington, D.C. 20235

REFER TO

ATTENTION

Dr. Anthony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

The enclosed reel of magnetic tape (FRENCH CTD TAPE #6) contains the following cruises of CTD data:

FILE	SHIP/CRUISE	PROJECT	DATES
1	CHARCOT 12 LEG 1	Tourbillon Exp.	9/3 - 9/7/79
2	CHARCOT 12 LEG 2	" "	9/20 - 9/21/79
3	LE SUROIT 1	" "	9/4 - 9/6/79
4	SCHARCOT 3	" "	10/2 - 10/4/79
5	SCHARCOT 4	" "	10/13 - 10/15/79
6	LE NOROIT 2	" "	9/20 - 10/2/79
7	MARION DUFRESNE 18		5/25 - 6/7/79
8	MARION DUFRESNE 22		5/9 - 5/24/80

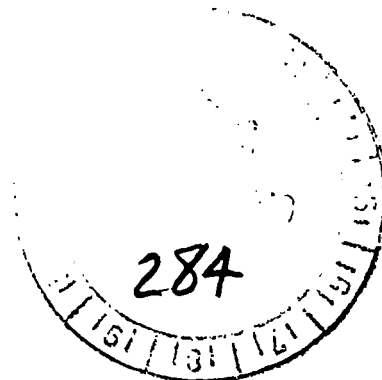
These data have been released by Dr. Gilles Reverdin, a French investigator presently working at Lamont-Doherty Geological Observatory. The data are reduced to 10 decibar intervals. File 5 is in station order and must be sorted into date order.

- a..Documentation dated Apr 10, 1990.
- b..Sample dump of files 1 and 7.
- c..Tape (French CTD Tape #6) 9 track, 1600 bpi, ascii, one file per cruise. REC=41, BLK=4100

#9100003

AΦ 1344

G. Reverdin



FORWARDED BY (Signature) G. Heimerdinger	TITLE NODC Service Center, Rep.	DATE FORWARDED 12/21/90
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Ctr 1825 Connecticut Ave., NW Washington, D.C. 20235		REFER TO																																										
		ATTENTION Dr. Anthony Picciolo																																										
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the files which are transmitted on this tape contain a series of stations for a cruise (or an ensemble of cruises, as for topogulf) in a file, the stations follow each other and contain a header and records

the header is formatted as:

```
write(11,200) NST,JO,MO,IAN,HE,XLA,XLO,nsond
200 format(14,212,14,f5.2,2f9.4,14)
```

nst is a station number in the file,
jo,mo,ian are day, month and year
he is xx.yy where xx is the hour and yy the minutes: quite often it is the beginning of the station
xla and xlo are latitude and longitude in decimal system (no minutes)
nsond is the depth in meters when given in the headers (some times missing and I cannot guarantee that it is a 0 or 9999)

then the records follow, most usually by increasing depths.

```
write(11,52) n,11,p,t,tp,s,si,o
52 FORMAT (I2,I1,F6.1,2F7.3,3F6.3)
```

n is the number of records having been averaged (not always meaningful)

It is 0 for the last record which should not be kept.

p is the pressure (db)

t is the temperature (Celsius)

tp is the potential temperature reported at the surface

s is the salinity

si is the potential density

and o is oxygen in ml/l

oxygen is not always included, and this can be either 0, 9.99 or not be there.

I suggest that a check be carried before reading each file

A note of caution on some of the files (also read the following files description). In many instances, the data are averages over a large number of measurements (some times, these averages are made over 10 db, which is unfortunate; for some of the cruises, the 1 db averaged data exist and I even had them, but did not carry them with me when I moved to Lamont: if you think that it is worth the effort, I would be pleased to initiate this effort for two cruises: MD44 and MD49 for which the data should be easy to find)

Most of the cruises transmitted have been collected on board the Marion Dufresne under the supervision of the LODYC (Universite Paris VI) or under the supervision of the LOP (Museum d'Histoire Naturelle de Paris). The R.V. Marion Dufresne is shipped under the commands of the "Terres Australes et Antarctiques Francaises" and reports for most of the cruises are available from them:

M. F. Balut, TAAF, 34 rue des Renaudes, 75017 Paris..

If they do not have reports left, they may refer you to M. Fieux or another principal investigator.

The cruises are MD18, MD22, SIBEX, INDIGO1, MD44, MD49, SUZANE

- MD18 (1979) and MD22 (1980) were collected with a Bisset-Bermann, calibrated from the bottles on each station. The accuracy reported is:
MD18: T: 0.01C (sigma: 0.037); S 0.010 (sigma: 0.02)
MD22: T: only the rms are reported and the accuracy should be better
T: (sigma: 0.008C); S (sigma: 0.006)
for both cruises pressure accuracy at depth is of the order of 4 db.
The salinity have been computed with the old formula and do not follow

UNESCO recommendations.

The other files are from the more recent cruises, and have all been collected with a Neil-Brown CTD carefully calibrated (two CTDs were used: from COB in Brest and from LODYC in Paris) and constitute a high quality set (T: 0.005C, S: 0.005, O2 of the order of 0.05 ml/l, but I would be less confident in it) (some problems reported for INDIGO1, but which relate to the acquisition, and not the CTD itself).

Miscellaneous cruises have also had CTD casts from a home-made CTD under the supervision of T. Labadie, who left afterwards without letting too much documentation. Its accuracy has improved with time, although it is never of the same quality of a Neil-Brown CTD.

The cruises are bresil, dedale, indivat, ocat et sinode.

I cannot guarantee the accuracy for bresil, where biases could exceed a few hundredths of a degree for T and a few hundredths ppt for S (especially in high temperature gradients) For the other cruises, I suspect that except for the high gradients, the accuracy should be 0.01C and 0.01 ppt (probably better at low T). The accuracy of pressure is 1 db at 1000 db.

I should also mention that two cruises of high quality from the R.V. Marion Dufresne are not included in this set: MD53 and JADE (I should be able to recover MD53 in Paris).

The other cruises are from other vessels under the command of GENAVIR (IFREMER).

also was a "Le Noroit" cruise in the Alboran sea in 1980 (Neil-Brown CTD)

charcot12, suroit1, noroit2, tourbi3 and tourbi4 are the cruises for the Tourbillon experiment in the Gulf of Biscaye in 1979 (on board Charcot, Le Noroit, Le Suroit and an other vessel). Two Guidline CTDs, calibrated at each cast, were used for these cruises. Accuracy should be better than T: 0.01C; S: 0.006

copogulf is the French TOPOGULF cruise data file collected with a Neil-Brown CTD on board the Le SUROIT. The Neil-Brown was carefully calibrated and the set is of a high quality (here is a report on these cruises which can be obtained from M. Arhan, IFREMER, B.P. 70, 29280 Plouzane, FRANCE).

focal-capri are the CTD profiles from the FOCAL program collected on board the Capricorne. NODC has already a version of these data, but the salinity sensor had a drift which was left uncorrected, and the profiles had been interpolated at regular interval, starting from the levels selected during the acquisition to reduce the profiles ("jiviarisation"). Here, we have retained these levels and attempt a correction of the drift based on cruises close-by in the central waters. Although this would eliminate variability of the T-S relationship over the span of the experiment (1982-1984) we think this set is better than the former one (see a note enclosed)

NODC will have also received from J.P. Rebert in Brest a set of station data which includes some of these cruises (especially the ones for 1979). Usually, the difference is that these files have a lower vertical resolution than the files here. Also, because I got the data from the principal investigators, it is possible that the calibrations they use are more up-to-date than in the older version found in the BNDO file.

We also miss a substantial number of French cruises. Some have a good accuracy (ORSTOM cruises from Noumea named SURTROPAC: they should be soon transmitted to NODC), or in the Mediterranean and near-Atlantic, where more than 1000 stations are at a stand-still in a laboratory in Villefranche/mer

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9100003	C022	359163	9999	3112	35JC	1979/09/03	TV5756	194208
9100003	C022	359164	9999	3112	35JC	1979/09/20	TV5757	194209
9100003	C022	359166	9999	3112	35JC	1979/10/02	TV5759	194211
9100003	F022	TV5759	9999	3112	35JC	1979/10/02	3	194216
9100003	F022	TV5756	9999	3112	35JC	1979/09/03	12,LEG	194217
9100003	F022	TV5757	9999	3112	35JC	1979/09/20	12,LEG	194218
9100003	C022	359167	9999	3112	35LL	1979/09/20	TV5760	194212
9100003	F022	TV5760	9999	3112	35LL	1979/09/20	2	194219
9100003	C022	359165	9999	3112	35LU	1979/09/04	TV5758	194210
9100003	F022	TV5758	9999	3112	35LU	1979/09/04	1	194215
9100003	C022	359168	9999	3112	35MF	1979/05/25	TV5761	194213
9100003	C022	359169	9999	3112	35MF	1980/05/09	TV5762	194214
9100003	F022	TV5761	9999	3112	35MF	1979/05/25	18	194220
9100003	F022	TV5762	9999	3112	35MF	1980/05/09	22	194221

(14 rows affected)

Passwórd:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
9100003	C022	359163	35JC	21	41	79/09/03	79/09/07
9100003	C022	359164	35JC	6	12	79/09/20	79/09/21
9100003	C022	359166	35JC	26	52	79/10/02	79/10/15
9100003	F022	TV5759	35JC	26	1998	79/10/02	79/10/15
9100003	F022	TV5756	35JC	21	1717	79/09/03	79/09/07
9100003	F022	TV5757	35JC	6	404	79/09/20	79/09/21
9100003	C022	359167	35LL	65	130	79/09/20	79/10/02
9100003	F022	TV5760	35LL	65	3790	79/09/20	79/10/02
9100003	C022	359165	35LU	12	23	79/09/04	79/09/06
9100003	F022	TV5758	35LU	12	907	79/09/04	79/09/06
9100003	C022	359168	35MF	31	62	79/05/25	79/06/07
9100003	C022	359169	35MF	20	40	80/05/09	80/05/24
9100003	F022	TV5761	35MF	31	1057	79/05/25	79/06/07
9100003	F022	TV5762	35MF	20	1145	80/05/09	80/05/24

(14 rows affected)