

PROCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100129	TV5982	F022		0910	09FA		06/19/85	06/26/85	50	4,264
9100129	TV5983	F022		0910	09FA		07/20/85	08/22/85	88	14,000
9100129	TV5984	F022		0910	09FA		10/01/85	11/03/85	124	16,174
9100129	TV5985	F022		0910	09FA		12/04/85	12/17/85	59	6,216
9100129	TV5986	F022		0910	09FA		01/08/86	02/06/86	109	14,872
9100129	TV5987	F022		0910	09FA		05/22/86	06/02/86	46	3,516
9100129	TV5988	F022		0910	09FA		10/03/86	10/13/86	29	728
9100129	TV5989	F022		0910	09FA		11/04/86	11/19/86	74	8,222
9100129	TV5990	F022		0910	09FA		01/20/87	02/16/87	103	10,169
9100129	TV5991	F022		0910	09FA		03/12/87	03/27/87	108	13,647
9100129	TV5992	F022		0910	09FA		06/03/87	06/22/87	59	4,262
9100129	TV5993	F022		0910	09FA		08/04/87	08/22/87	101	11,267
9100129	TV5994	F022		0910	09FA		11/03/87	11/20/87	115	3,936
9100129	TV5995	F022		0910	09FA		02/21/88	03/15/88	90	3,270
9100129	TV5996	F022		0910	09FA		05/01/88	05/17/88	38	3,291
9100129	TV5997	F022		0910	09FA		06/22/88	07/17/88	102	13,710
9100129	TV5998	F022		0910	09FA		12/02/88	12/16/88	52	3,485

1347

551
135
113

410011
9100129

FILETYPE F022

TRACK N

PROJECT IDENTIFICATION

TV 5982 - 5998

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK	SIZE	NO. RECORD
	07/24/91	CCMH	A01469 SL tape	24	72	8000	8000	4617
PE	07/30/91		W01244 NL tape	24				4617
TAPE	07/24/91		A01470 SL tape	78				1902
DISK	07/30/91	✓	W01536 NL tape	26				1902
EX	9-27-91	RPS	W13591 **	1	120	12000		135,100
EX								
22								
REALIZED								

REPORTED TO PRINCIPAL INVESTIGATOR: Tapes W01244 ~~W01536~~ are 9 TRK, NL;
6250 bpi, Ascii

** LABEL: DNODC * AUSSIECTDOUT6

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

TRACKS DELETED, FIELDS DELETED, ETC.)

PART A

Test/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Customer Operation
☐ Other: _____

Test/Problem Description:

copy tape A01469 to a 'W' tape
Please scan 'W' tape

PART B

(For Operator Job Request)

Operator Job Request Type

- ☐ Run BREUOV procedure Name: _____ ☐ See attached list
☐ Run SELBUOV 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: _____

A01469 (052562)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☒ SL
MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

ID#/Filename: _____

W01244

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
Record Length: 8000 MAX Blocksize: 8000

303 Use Only)

Job Number: 91073041

Completed By: G.P.

Date/Time Start: 7-30-91/08:30

Date/Time Completed: 7-30-91/08:45

User Name: Cliff Hartley Phone # 606-4656 Organization: EC-1200CN3HH9 Date: 07/29/91 Job # ASAP

PART A

Request/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operations
☐ Other: _____

Additional Description:
 Please copy tape A01476 to a W tape
 Scan W Tapes

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' Tapes to Asheville, N.C.

JOB INPUT Id#/Filename: A01476(D02086)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 96 SL
 MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT Id#/Filename: W01536

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 96 SL
 Record Length: 8000 MAX Blocksize: 8000

DO NOT Use Only)

Job Number: 91073002 g/s
 Completed By:

Date/Time Start: 7-30-91/08:50
 Date/Time Completed: 7-30-91/09:05

User Name <i>W. J. Hadley</i>	Phone # <i>673-5736</i>	Org/Task <i>EG-2-0013449</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape A01469

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|--|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print | <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | |
| <input type="checkbox"/> All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape A01469 to Bin 09

JOB INPUT

Id#/Filename: *A01469*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 1562 ☐ 3125
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ 1562 ☐ 3125
 MAX Record Length: _____ MAX Blocksize: _____

(1003 Use Only)

JOB Number: *91072403 J.D*

Completed by: _____

Date/Time Start: *7-24-91/09:45*
 Date/Time Completed: *7-24-91/09:45*

Last Name <i>Hardy</i>	Phone # <i>636-4131</i> 673-5736	Org/Task <i>CGI-008A3M9</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape AD 1470

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|---|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print: <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | | |
| | All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape AD 1470 to Bin 09

JOB INPUT

Id#/Filename: *AD 1470*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ HL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ HL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(C23 Use Only)

JOB Number: *91072404 GA*

Completed By: _____

Date/Time Start: *7-24-91/10:00*

Date/Time Completed: *7-24-91/10:15*

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

AODC 80/91
43/3

5 July 1991

9900129

Mr Greg Withee
National Oceanographic Data Center
National Oceanic and Atmospheric Administration
Washington, D.C. 20235
U.S.A.

Dear Greg,

Please find enclosed two magnetic tapes and associated documentation for inclusion in the NODC data files. This data set is also to be made available to WDC-A.

One of the enclosed tapes contains CTD data from the Research Vessel Franklin, and the other reel contains CTD data from RV Sprightly and XBT data from RV Franklin. This data set was processed and made available to us by Dr Neil White, the RV Franklin data manager at the CSIRO Division of Oceanography in Hobart Tasmania. Both magnetic tapes are 6350 bpi, ANSI standard labelled, with blocksize of 8000 bytes.

Also included are a copy of the XBT and CTD data formats which are the same for both RV Franklin and RV Sprightly data. I trust that you will find this data set a welcome addition to your data banks as we have at the Australian Oceanographic Data Centre.

I hope that things are still continuing to develop at NODC. GTSP appears to be getting firmly established. This project has certainly taken off. I was a little disappointed that I could not make it to the meeting in Obninsk but I am sure that the birth of our first baby will more than make up for this.

I would be interested to hear how your new database machine is working out. We are still developing our system and it is looking very promising at this stage. We are about to buy some more hardware shortly which will enable AODC to use some of the database facilities. The software is expected to be completed in early 1992. It's taken a while but it will be an extremely powerful and flexible system when it is finished.

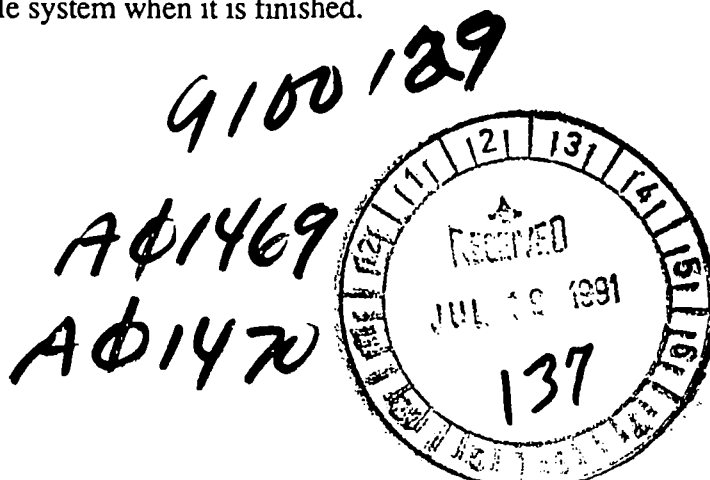
Regards to everybody at NODC

Ben Searle

Ben Searle

Enclosed:

Two 6250 bpi magnetic tapes
List of cruises
Format guide for the XBT data
Format Guide for the CTD data



07/22/91

Edwina

Posted: Mon, Jul 22, 1991 12:08 AM EDT

Msg: HGJB-4832-2838

From: B.SEARLE
To: NODC.WDCA
G.WITHEE

Update notice about RV Franklin data set sent from AODC June 1991

You will notice one of the magnetic tape reels from the RV Franklin data set comprises of RV Sprightly CTD data and RV Franklin XBT data. This reel is a combination of 2 ANSI standard labelled tapes which were copied onto one tape. So that there is no confusion when trying to read this tape there are in fact two logical tape volumes on the one physical tape. This tape should read OK but may be confusing if you are unaware of the above. I hope this will sort out any problems that you may have had with regards to this matter.

Regards Edwina Tanner/AODC

9,00129

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

Dear Sir/Madam,

Please acknowledge receipt of delivery of the enclosed data.

Received by:	
Name:	FRANCIS J. MITCHELL
Institution:	NOAA / NODC USA
Date:	19 JULY 91
Signature:	Francis J. Mitchell 9100129

The data provided on the magnetic tape is ANSI standard labelled with a blocksize of 8000 bytes. If this format is satisfactory or if you would like data provided to you in some other format in the future could you please indicate this in the section below. Thank you for your comments as we are trying to standardize data exchange procedures at the AODC.

Please tick box to indicate preferred formats:

tar format
(UNIX tape archive)

[]

ANSI format

[X]

other
(specify in space below)

[]

Comments: _____

NON-LABELLED TAPE IS preferred



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel 925 4800
Telex: AUSHYDAA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No. 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____
Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*
Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: ALSHYD AA 72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
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1. Ship to: National Oceanographic Data Centre
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Town/Area Code WASHINGTON D.C.
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Country of Origin AUSTRALIA

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13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. Dauth

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

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2. Airbill No. 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
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13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. DAUTH

Position in Company STORES OFFICER



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State/Country 20235 UNITED STATES AMERICA
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No. of Pieces 1
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Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

10. Harmonised Tariff _____

11. Authorisation _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*
Position in Company STORES OFFICER

tape was labeled FRANK

t - FR8503CTD.DAT: 469 lines (73088 chars) in 38 tape blocks
 t - FR8503CTD.DAT: 3757 lines (626541 chars) in 81 tape blocks
 t - FR8504CTD.DAT: 10985 lines (2028427 chars) in 261 tape blocks
 t - FR8505CTD.DAT: 13188 lines (2366912 chars) in 305 tape blocks
 t - FR8506CTD.DAT: 5266 lines (908075 chars) in 117 tape blocks
 t - FR8601CTD.DAT: 11822 lines (2135150 chars) in 274 tape blocks
 t - FR8602CTD.DAT: 4459 lines (680261 chars) in 89 tape blocks
 t - FR8604CTD.DAT: 3302 lines (531441 chars) in 69 tape blocks
 t - FR8608CTD.DAT: 1683 lines (204218 chars) in 27 tape blocks
 t - FR8609CTD.DAT: 22477 lines (4528443 chars) in 581 tape blocks
 t - FR8702CTD.DAT: 1103 lines (115328 chars) in 16 tape blocks
 t - FR8703CTD.DAT: 14279 lines (2360353 chars) in 305 tape blocks
 t - FR8704CTD.DAT: 19813 lines (3281754 chars) in 423 tape blocks
 t - FR8706CTD.DAT: 6853 lines (1056193 chars) in 137 tape blocks
 t - FR8707CTD.DAT: 16676 lines (2726616 chars) in 352 tape blocks
 t - FR8708CTD.DAT: 1302 lines (172849 chars) in 23 tape blocks
 t - FR8709CTD.DAT: 12545 lines (2013096 chars) in 260 tape blocks
 t - FR8710CTD.DAT: 12787 lines (1573076 chars) in 207 tape blocks
 t - FR8801CTD.DAT: 4492 lines (711020 chars) in 93 tape blocks
 t - FR8802CTD.DAT: 2480 lines (238305 chars) in 32 tape blocks
 t - FR8803CTD.DAT: 4460 lines (718579 chars) in 93 tape blocks
 t - FR8804CTD.DAT: 5131 lines (811669 chars) in 105 tape blocks
 t - FR8805CTD.DAT: 19744 lines (3291795 chars) in 424 tape blocks
 t - FR8811CTD.DAT: 5699 lines (868435 chars) in 112 tape blocks
 read 24 files in 4424 blocks (204772 lines, 34021624 chars)

tape was labeled G9DAT

t - G98207CTD.DAT: 2204 lines (303608 chars) in 40 tape blocks
 t - G98309CTD.DAT: 1063 lines (127083 chars) in 17 tape blocks
 t - G98310CTD.DAT: 2762 lines (337613 chars) in 44 tape blocks
 t - G98313CTD.DAT: 2971 lines (414379 chars) in 54 tape blocks
 t - G98314CTD.DAT: 7609 lines (1137820 chars) in 147 tape blocks
 t - G98315CTD.DAT: 13251 lines (2040099 chars) in 264 tape blocks
 t - G98316CTD.DAT: 10333 lines (1538230 chars) in 199 tape blocks
 t - G98401CTD.DAT: 14952 lines (2309921 chars) in 299 tape blocks
 t - G98402CTD.DAT: 13669 lines (2076017 chars) in 269 tape blocks
 t - G98403CTD.DAT: 1162 lines (180063 chars) in 24 tape blocks
 t - G98405CTD.DAT: 4808 lines (681773 chars) in 89 tape blocks
 t - G98406CTD.DAT: 5809 lines (839310 chars) in 109 tape blocks
 t - G98407CTD.DAT: 3559 lines (502548 chars) in 66 tape blocks
 t - G98407CTD.DAT: 739 lines (59120 chars) in 8 tape blocks

tape was labelled FRXBT

t - FR8505XBT.DAT: 554 lines (44320 chars) in 6 tape blocks
 t - FR8601XBT.DAT: 907 lines (72560 chars) in 10 tape blocks
 t - FR8608XBT.DAT: 428 lines (34240 chars) in 5 tape blocks
 t - FR8609XBT.DAT: 194 lines (15520 chars) in 3 tape blocks
 t - FR8703XBT.DAT: 31 lines (2480 chars) in 1 tape blocks
 t - FR8704XBT.DAT: 774 lines (61920 chars) in 9 tape blocks
 t - FR8705XBT.DAT: 265 lines (21200 chars) in 3 tape blocks
 t - FR8706XBT.DAT: 538 lines (43040 chars) in 6 tape blocks
 t - FR8710XBT.DAT: 126 lines (10080 chars) in 2 tape blocks
 t - FR8804XBT.DAT: 472 lines (37642 chars) in 5 tape blocks
 t - FR8805XBT.DAT: 1098 lines (87564 chars) in 12 tape blocks
 t - FR8810XBT.DAT: 75 lines (5982 chars) in 1 tape blocks
 read 26 files in 1692 blocks (90353 lines, 12984132 chars)

RV Franklin CTD data

Cruise	Filename	Maximum Station No.#	Release date
FR 3/85	FR8503CTD.DAT	54	now
FR 4/85	FR8504CTD.DAT	95	now
FR 5/85	FR8505CTD.DAT	127	now
FR 6/85	FR8506CTD.DAT	59	now
FR 1/86	FR8601CTD.DAT	112	now
FR 2/86	FR8602CTD.DAT	21 ^B	now
FR 4/86	FR8604CTD.DAT	46	now
FR 8/86	FR8608CTD.DAT	31	now
FR 9/86	FR8609CTD.DAT	79	now
FR 2/87	FR8702CTD.DAT	24	now
FR 3/87	FR8703CTD.DAT	81	now
FR 4/87	FR8704CTD.DAT	115	now
FR 6/87	FR8706CTD.DAT	60	now
FR 7/87 ^A	FR8707CTD.DAT	101	now
FR 8/87	FR8708CTD.DAT	18	now
FR 9/87	FR8709CTD.DAT	90	now
FR 10/87	FR8710CTD.DAT	118	now
FR 1/88	FR8801CTD.DAT	11 [§]	now
FR 2/88	FR8802CTD.DAT	63	now
FR 3/88	FR8803CTD.DAT	28	now
FR 4/88	FR8804CTD.DAT	40	now
FR 5/88	FR8805CTD.DAT	104	now
FR 11/88	FR8811CTD.DAT	55	* 01-JUN-1991

1542

[#]There can be gaps in the sequence.

^BIncludes multiple dips, 58 separate files.

[§]Includes multiple dips, 24 separate files.

RV Franklin XBT data

Cruise	File name	Max drop number*	Release date
Fr 4/85	FR8504XBT.DAT	88	now
Fr 5/85	FR8505XBT.DAT	79	now
Fr 1/86	FR8601XBT.DAT	114	now
Fr 8/86	FR8608XBT.DAT	69	now
Fr 9/86	FR8609XBT.DAT	30	now
Fr 3/87	FR8703XBT.DAT	9	now
Fr 4/87	FR8704XBT.DAT	183	now
Fr 5/87	FR8705XBT.DAT	47	now
Fr 6/87	FR8706XBT.DAT	84	now
Fr 10/87	FR8710XBT.DAT	14	now
Fr 4/88	FR8804XBT.DAT	64	now
Fr 5/88	FR8805XBT.DAT	160	now
Fr 10/88	FR8810XBT.DAT	10	now

951

* There can be gaps in the sequence.

RV Sprightly CTD Data

Cruise	Filename	Maximum Station No. [∂]	Release date
Sp 7/82	G98702CTD.DAT	48	now
Sp 9/83	G98309CTD.DAT	19	now
Sp 10/83	G98310CTD.DAT	51	now
Sp 13/83	G98313CTD.DAT	39	now
Sp 14/89	G98314CTD.DAT	77	now
Sp 15/89	G98315CTD.DAT	119	now
Sp 16/89	G98316CTD.DAT	109	now
Sp 1/84	G98401CTD.DAT	32	now
Sp 2/84	G98402CTD.DAT	135	now
Sp 3/84	G98403CTD.DAT	9	now
Sp 5/84	G98405CTD.DAT	61	now
Sp 6/89	G98406CTD.DAT	69	now
Sp 7/89	G98407CTD.DAT	44	now

812

[∂]There can be gaps in the sequence.

RV Franklin XBT data format

All the drops for a cruise are in one file and the format is as follows :

For each drop there is a header record (see example below) and a series of data records.
The header record format is:

```
FRaabbbbcdddeeffffghhijjkkkllmnnnn.....oo_pp.ppq_rrr_ss.sst.....98
```

where :

- : ^ denotes a blank
- : FR is the vessel code for RV Franklin
- : aa is the cruise number
- : bbbb is the drop or XBT number
- : cc is the year
- : dd is the month
- : ee is the day
- : ffff is the time (24 hour clock)
- : g is the time zone (= 'Z' - UTC)
- : hh is the whole degrees of latitude
- : ii is the minutes of latitude
- : j is the hemisphere (= 'N' or 'S')
- : kkk is the whole degrees of longitude
- : ll is the minutes of longitude
- : m is the hemisphere (= 'E' or 'W')
- : nnnn is the bottom depth (in metres) if available (blank otherwise)

If a corrected position is available, it is inserted in the header record as follows :

- : oo is the whole degrees of latitude
- : pp.pp is the minutes and hundredth's of minutes of latitude
- : q is the hemisphere (= 'N' or 'S')
- : rrr is the whole degrees of longitude
- : ss.ss is the minutes and hundredth's of minutes of longitude
- : t is the hemisphere (= 'E' or 'W')

otherwise these fields are left blank. If these fields contain a position, this position will be more accurate than the other position in the header, which should be ignored.

After the header record, there are as many data records as are required. The first data record contains the temperatures at 0,5,10,15,...,95 metres. The second record contains the temperatures at 100,105,110,...195 metres, and so on. Blanks indicate that there is no temperature for that depth. (The surface (0 metre) value is left blank because of large surface transients).

The format of the i-th data record is:

```
.....aaabbbccdddeefffggghhhlljjjkkkllmmnnnooppqqrrrrssttt.....uu
```

where

:	^	denotes a blank
:	aaa	is 10 times the temperature at (i-1)X100 metres
:	bbb	is 10 times the temperature at (i-1)X100+5 metres
:	ccc	is 10 times the temperature at (i-1)X100+10 metres
:	.	
:	.	
:	.	
:	ttt	is 10 times the temperature at (i-1)X100-5 metres
:	u	= i+2

(The FORTRAN format to read this is (10X,20I3,8X,I2).)

Thus in the first example below (drop number 24 from cruise Fr 4/87, at 17:37 on the 16th of March, 1987), the temperature at 5 metres is 22.9°C, the temperature at 100 metres is 18.4°C, and at 105 metres it is 18.1°C. The deepest temperature (5.8°C) is at 760 metres.

Sample of XBT data :

```
FR0400248703161737Z2900S11235E4000      29 00.43S  112 35.89E      98
      229230229229229229229227225221219210206202199197192189187      3
      184181179178176174172168167166164163162161159157154152151149      4
      148146144143142139138137135134132131130129128127126125123122      5
      120119117116114113113112111110109108107106106105104103103103      6
      102101101101101100100 99 99 98 98 98 97 97 96 96 95 95 95 95      7
      94 94 94 94 93 93 93 92 92 91 91 90 90 90 90 89 89 89 88 88      8
      87 87 86 86 85 84 84 82 82 82 81 80 79 78 77 76 74 74 73 72      9
      71 70 69 68 66 66 65 64 62 61 60 59 58                                10
FR0400258703170053Z2828S11217E3600      28 28.32S  112 15.94E      98
      234234238238239239239239238233228224219216212208205202200      3
      197194192190188186184182181179179177176173171170169168166165      4
      163162160159157156156153152151149148146143142141139137134132      5
      131127124122118114111108104103100100 99 99 97 96 95 94 94 94      6
      94 93 92 91 91 91 91 90 90 90 89 88 88 86 86 84 83 83 82 81      7
      80 80 79 78 77 77 76 76 76 74 73 72 71 71 70 68 67 67 65 65      8
      64 63 62 61 61 60 59 58 57 57 56 55 55 55 54 54 54 53 53 53      9
      53 52 52 51 51 51 51 50 50 49 49 49 48                                10
```

Fmt_no. FORMAT(4(F7.0,2F7.3,I7,2F6.3))

The first record of profile data written is the first record with data in it, so the depth of this record can vary from station to station

FR050001851001102021615S14619E
24824724724724724724724724724724724724624524444444443243
24224123923823723523423423212272623220218215213211208205203
200197195194193191187184183179178176175173172171170168165161
160159156154

FR050002850901011321548S14621E
248248248248248248248248248248248248248248248248248247247
245244243242239237235234233229228226222218217214213209206203
201200199198196195194192190189187184182180176174172170168166
165163162159156154153152150148146144143141139135133130128
126125122121120118116113112110109107105103100 99 99 97 95 94
93 92 90 89 86 84 84 83 82 81 80 79 78 77 76 75 74 73 72 72
71 70 69 69 68 67 66 65 65 64 64 63 62 62 61 60 60 59 59
59 58 58 57 57 57 57 57 56 55 55 54

FR050003851001163021510S14623E
249248248248248248248248248248249249249249247246244243243
24324324223923523229227225224224222219216214212210208206203
201197196194193190188184183181178175173171170168167167166165
164163161157151150146144142141138136134132130129128123122120
119117115113112109107105103101 99 95 94 93 92 91 90 89 87
86 86 85 84 82 81 81 79 79 78 77 76 75 74 73 72 72 71 70 69
68 68 67 66 66 65 64 64 63 63 63 62 62 61 60 60 59 59 59
58 58 57 57 56 56 55 55 54 53 53 53

FR050004851002023021423S14619E
248248248248248248248248248248248248248248247247246244243240
239237237237236232302272262322022021721521411208206205204
202200199196194192190190187184182179179176175174170167163160
159157154151145142137134132129127125124122119118116115113110
109109108108107105104103101100 99 97 95 95 93 92 91 89 88 86
85 84 83 81 78 77 77 76 75 74 73 73 71 70 70 69 69 68 67 67
66 65 64 64 64 63 62 62 61 61 61 60 60 59 59 59 58 58 58 57
57 56 55 55 54 54 53 52 51 51 51

FR050005851002113821318S14637E
251250250250250250250250250250250250250250250248244244243
24224224224242039235231229227222217213211209207205203201199
197195193190189186184182179176174173170168165163161156156153
151148144144142140137134131127126122120119117115112109108106
105103102100 99 97 97 95 93 91 90 88 87 84 83 81 80 79 78 78
77 76 75 74 73 73 72 70 70 69 68 67 66 66 65 64 63 63 62
62 61 59 59 58 58 57 57 57 57 56 56 55 55 54 54 53 53 53 53
52 52 52 51 51 50 50 50 49 49 49 48

FR050006851002190021222S14657E
251251250250250250250251251251251251251251251251251251
25025024924724524223823523223022822522219217215212210208205
203201198195193190188185

FR050007851003052321132S14712E
255254254254254254254254254254254253252248247246245243
23923723523323230227224222220215212210206204203201198197195
194192189185181177176174172170168167166163162161160159157156
154151148145142141138136133132131127127120120117113108105102
99 98 96 95 93 91 89 86 85 83 82 80 77 75 76 76 75 74 74 74
73 72 71 70 69 69 68 67 67 67 67 66 66 66 65 64 64 63 63
63 63 63 62 62 62 62 61 60 59 58 58 57 57 57 57 56 56 55 55
54 54 53 53 53 52 51 51 51 51 50 50

FR050008851003140021037S14731E
246246245245245245245245246245246245246245245245245242238

23823623423222223222219215210208207205204201200197196194	4
192189188185183180177174172170167166163161159158155154150148	5
146145143139138136133130128127126124121120117114112110107105	6
102102 99 97 95 94 93 92 91 90 89 88 87 86 85 85 84 83 81 81	7
81 79 79 78 76 76 75 75 75 73 72 71 70 70 68 68 67 66 66 66	8
65 65 64 64 64 63 62 62 62 61 60 60 60 59 59 58 57 57 57 56	9
56 56 56 55 55 54 54 54 54 53 53 53	10
FR050009851003203021023S14808E	98
239239238238238239238236236236235234234232231230229228	3
227227223223221219217209207205204203202198197196195192190183	4
180178176174172166166165165163161155154154154154153152150147	5
146142139134131129129129129129128128128128128128127124124	6
119114112112112112111105 99 98 97 96 94 93 92 91 90 88 86 86	7
86 85 85 84 83 82 81 81 79 79 78 77 77 77 77 76 76 74 73 72	8
71 70 69 69 69 68 68 67 67 67 67 66 65 64 64 64 63 63 63 63	9
62 62 62 61 61 61 60 59 58 58 55 55	10

XBT notes

The system on Franklin is subject to high surface transients. As a result, we make no attempt to calculate a surface value - the first value for most drops is the temperature at 5 metres.

In addition, the stern (thru-hull) launcher is poorly placed, and XBT's launched through it are more than usually subject to wire stretch. Since the first few cruises, the stern launcher has only been used occasionally. For the first three cruises (Fr 4/85, 5/85 and 1/86), the stern launcher was used for most of the drops, and many of them have some signs of wire stretch, but the 'bulging' which is characteristic of this problem was not enough to reject the drops.

Bottom depths have not been checked against sounder traces, but have been checked for plausibility and, where possible, against the digital sounder data.

All probes were T-7's, except where noted

Some specific comments follow :

<u>Cruise</u>	<u>Comments</u>
Fr 4/88	the digitising was not working well on the sounder, so all the bottom depths look very 'round', as they were read from the paper trace.
Fr 5/88	four different types of probes were used : T-10 for drops 3-7, 155-160 T-5 for drops 50-53, 67-69, 95-98, 100 and 104-105 T-4 for drop 154 T-7 for all other drops There seems to be some calibration problem between the different types of probes (see drops 65 through 71) The comments about the sounder depths for FR 4/88 also apply.
Fr 10/89	a number of odd looking features were confirmed by nearby CTD stations
Fr 13/89	as the cruise was looking for and passing in and out of eddies the temperature structure often varies substantially between adjacent drops.

Processed CTD data format

There is one file for an entire cruise. File names are in the format of VVYYCCCTD.DAT, where VV is the Vessel code (G9= RV Sprightly and FR = RV Franklin), YY is the year of the cruise and CC is the cruise number within that year. Each file consists of a CRUISE HEADER section, which has a station listing and processing notes included and a DETAILS SECTION for each station. All dates and times are UTC and South latitude is negative. Each station has information in its individual DETAILS SECTION as to which variables have been included for the station and the field widths of the data for each variable within each data cycle or depth and the number of data cycles within each station.

An example Cruise Header and Station Header is:

```
1111111111111111111111111111 START CRUISE HEADER 111111111111111111111111
```

VESSEL CODE = FR YEAR = 85 CRUISE IDENTIFIER = 05

VESSEL NAME = R.V. FRANKLIN

START DATE OF CRUISE = 01-OCT-85

END DATE OF CRUISE = 05-NOV-85

CRUISE LEADER = Dr. M.J. Furnas

DATA PROCESSED BY - D.J.Vaudrey

DATE ARCHIVED = 11-MAY-87

MINIMUM LATITUDE IN DATA = -20.985

MAXIMUM LATITUDE IN DATA = -9.895

MINIMUM LONGITUDE IN DATA = 145.020

MAXIMUM LONGITUDE IN DATA - 166.407

MAXIMUM SAMPLE PRESSURE IN DATA = 4788

ARCHIVE PROGRAM VERSION NUMBER = 0

22222222222222222222 CRUISE COMMENTS 22222222222222222222

1	0445	1-OCT-85	16:47.70S	146:07.09E	49	46
---	------	----------	-----------	------------	----	----

2	0719	1-OCT-85	16:37.40S	146:16.00E	100	90
---	------	----------	-----------	------------	-----	----

```
| 3 | 1928 1-OCT-85 14:53.80S 146:26.36E 1899 | 1502 |
```

...A full station listing detailing station number, time and date (UTC) bottom depth and maximum cast pressure...

CTD Processing Notes:

D.J.Vaudrey and N.J.White:

Fr0585:

General:

Data Quality was poor to fair. Many problems were encountered with Unit 1 as previously discovered during Fr0485. Too few samples were collected

22222222222222222222 CRUISE COMMENTS 22222222222222222222

7777777777777777 END OF STATION HEADER 7777777777777777

292.	17.413	35.494	294.	17.407	35.493	296.	17.341	35.488	298.	17.
308.	16.981	35.453	310.	16.938	35.448	312.	16.857	35.442	314.	16.
324.	16.579	35.413	326.	16.449	35.401	328.	16.273	35.385	330.	16.
340.	15.841	35.361	342.	15.822	35.360	344.	15.802	35.360	346.	15.
356.	15.400	35.306	358.	15.355	35.302	360.	15.254	35.291	362.	15.
372.	14.908	35.260	374.	14.825	35.251	376.	14.683	35.239	378.	14.
388.	14.213	35.189	390.	14.141	35.181	392.	14.105	35.178	394.	14.
404.	13.830	35.150	406.	13.789	35.147	408.	13.727	35.142	410.	13.
420.	13.358	35.103	422.	13.341	35.101	424.	13.307	35.098	426.	13.
436.	12.873	35.053	438.	12.748	35.044	440.	12.674	35.034	442.	12.
452.	12.307	35.001	454.	12.259	34.996	456.	12.196	34.990	458.	12.
468.	11.879	34.963	470.	11.827	34.957	472.	11.742	34.950	474.	11.
484.	11.278	34.900	486.	11.209	34.894	488.	11.165	34.889	490.	11.
500.	11.063	34.878	502.	10.996	34.871	504.	10.949	34.865	506.	10.
516.	10.620	34.831	518.	10.610	34.830	520.	10.578	34.827	522.	10.
532.	10.297	34.798	534.	10.287	34.796	536.	10.278	34.795	538.	10.
548.	10.138	34.783	550.	10.123	34.781	552.	10.118	34.780	554.	10.
564.	9.912	34.761	566.	9.876	34.759	568.	9.871	34.756	570.	9.
580.	9.691	34.740	582.	9.683	34.738	584.	9.662	34.736	586.	9.
596.	9.414	34.715	598.	9.330	34.708	600.	9.323	34.702	602.	9.
612.	8.875	34.656	614.	8.830	34.650	616.	8.807	34.651	618.	8.
628.	8.458	34.615	630.	8.454	34.614	632.	8.436	34.613	634.	8.
644.	8.110	34.585	646.	8.001	34.579	648.	7.946	34.567	650.	7.
660.	7.826	34.560	662.	7.819	34.559	664.	7.806	34.558	666.	7.
676.	7.742	34.554	678.	7.711	34.553	680.	7.713	34.550	682.	7.
692.	7.509	34.535	694.	7.476	34.534	696.	7.461	34.531	698.	7.
708.	7.278	34.519	710.	7.265	34.518	712.	7.265	34.517	714.	7.
724.	7.094	34.505	726.	7.068	34.505	728.	7.068	34.503	730.	7.
740.	6.887	34.494	742.	6.885	34.493	744.	6.882	34.493	746.	6.
756.	6.717	34.484	758.	6.696	34.483	760.	6.625	34.479	762.	6.
772.	6.352	34.468	774.	6.342	34.468	776.	6.326	34.467	778.	6.
788.	6.203	34.461	790.	6.194	34.462	792.	6.171	34.462	794.	6.
804.	6.121	34.460	806.	6.118	34.460	808.	6.109	34.460	810.	6.
820.	5.998	34.458	822.	5.998	34.458	824.	5.994	34.457	826.	5.
836.	5.949	34.457	838.	5.925	34.459	840.	5.884	34.458	842.	5.
852.	5.809	34.458	854.	5.804	34.458	856.	5.776	34.460	858.	5.
868.	5.741	34.459	870.	5.739	34.459	872.	5.739	34.459	874.	5.
884.	5.731	34.459	886.	5.722	34.458	888.	5.690	34.457	890.	5.
900.	5.609	34.454	902							

```

10w
44444444444444444444 START STATION HEADER 44444444444444444444
VESSEL CODE = FR YEAR = 85 CRUISE ID = 03 STATION ID = 000004 DIP # = 01
START DATE - TIME =
BOTTOM DATE - TIME = 19-JUN-85 20:31:00
END DATE - TIME =
START POSITION = -20 26.130153 00.440
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM = 524
MAXIMUM SAMPLE PRESSURE = 506
NUMBER OF VARIABLES PER DATA CYCLE = 3

```

04w

2.	24.275	35.126	4.	24.275	35.126	6.	24.273	35.126	8.	24.273	35.126
18.	24.275	35.126	20.	24.277	35.126	22.	24.276	35.125	24.	24.276	35.125
34.	24.307	35.154	36.	24.305	35.161	38.	24.301	35.167	40.	24.301	35.167
50.	24.259	35.214	52.	24.258	35.217	54.	24.257	35.219	56.	24.257	35.219
66.	24.266	35.236	68.	24.261	35.235	70.	24.257	35.235	72.	24.257	35.235
82.	24.285	35.263	84.	24.279	35.267	86.	24.303	35.304	88.	24.303	35.304
98.	23.820	35.621	100.	23.530	35.670	102.	23.371	35.682	104.	23.371	35.682
114.	22.988	35.702	116.	22.954	35.704	118.	22.889	35.706	120.	22.889	35.706
130.	22.751	35.711	132.	22.687	35.708	134.	22.538	35.711	136.	22.538	35.711
146.	22.088	35.728	148.	22.077	35.728	150.	22.061	35.729	152.	22.061	35.729
162.	21.617	35.734	164.	21.490	35.735	166.	21.394	35.732	168.	21.394	35.732
178.	21.132	35.733	180.	21.128	35.733	182.	21.042	35.733	184.	21.042	35.733
194.	20.790	35.730	196.	20.715	35.727	198.	20.668	35.727	200.	20.668	35.727
210.	20.204	35.710	212.	20.180	35.709	214.	20.158	35.708	216.	20.158	35.708
226.	19.888	35.690	228.	19.870	35.691	230.	19.840	35.688	232.	19.840	35.688
242.	19.275	35.647	244.	19.222	35.646	246.	19.172	35.642	248.	19.172	35.642
258.	18.665	35.607	260.	18.596	35.600	262.	18.535	35.590	264.	18.535	35.590
274.	18.050	35.550	276.	17.988	35.545	278.	17.937	35.539	280.	17.937	35.539
290.	17.445	35.492	292.	17.360	35.488	294.	17.271	35.481	296.	17.271	35.481
306.	16.859	35.440	308.	16.793	35.434	310.	16.744	35.428	312.	16.744	35.428
322.	16.443	35.398	324.	16.362	35.388	326.	16.237	35.378	328.	16.237	35.378
338.	15.621	35.312	340.	15.436	35.298	342.	15.173	35.273	344.	15.173	35.273
354.	14.488	35.199	356.	14.427	35.190	358.	14.300	35.184	360.	14.300	35.184
370.	14.078	35.158	372.	14.056	35.154	374.	13.970	35.148	376.	13.970	35.148
386.	13.472	35.101	388.	13.318	35.087	390.	13.296	35.083	392.	13.296	35.083
402.	12.946	35.054	404.	12.869	35.048	406.	12.781	35.036	408.	12.781	35.036
418.	12.291	34.987	420.	12.247	34.982	422.	12.105	34.973	424.	12.105	34.973
434.	11.537	34.916	436.	11.503	34.913	438.	11.472	34.910	440.	11.472	34.910
450.	11.014	34.867	452.	10.948	34.862	454.	10.889	34.856	456.	10.889	34.856
466.	10.517	34.818	468.	10.483	34.814	470.	10.479	34.814	472.	10.479	34.814
482.	10.181	34.784	484.	10.168	34.784	486.	10.156	34.783	488.	10.156	34.783
498.	10.046	34.774	500.	10.033	34.771	502.	10.030	34.770	504.	10.030	34.770

Stat No.	Time	Date	BOTTOM			Cast Depth
			Latitude	Longitude	Bot Depth	
19	1439	8-JUL-82	38:55	S 142:13	E	193
20	1607	8-JUL-82	38:50	S 142:16	E	107
21	1815	8-JUL-82	38:36	S 142:26	E	57
22	2300	8-JUL-82	38:33	S 141:37	E	107
23	0046	9-JUL-82	38:46	S 141:36	E	243
24	1546	8-JUL-82	38:49	S 141:36	E	499
25	0237	9-JUL-82	38:50	S 141:38	E	953
26	0103	10-JUL-82	41:25	S 144:20	E	503
27	0616	10-JUL-82	41:58	S 144:35	E	503
28	1222	10-JUL-82	42:34	S 144:51	E	403
29	1756	10-JUL-82	43:07	S 145:11	E	505
30	0024	11-JUL-82	43:43	S 145:53	E	301
31	1218	11-JUL-82	43:18	S 148:13	E	463
32	1756	11-JUL-82	42:36	S 148:30	E	1003
33	1931	11-JUL-82	42:34	S 148:28	E	477
35	2243	11-JUL-82	42:32	S 148:10	E	55
36	0624	12-JUL-82	41:53	S 148:36	E	205
37	0731	12-JUL-82	41:53	S 148:37	E	463
38	1503	12-JUL-82	41:00	S 148:41	E	227
39	1611	12-JUL-82	41:00	S 146:43	E	505
40	2126	12-JUL-82	40:26	S 148:55	E	509
41	2243	12-JUL-82	40:25	S 148:52	E	185
42	0626	14-JUL-82	37:04	S 150:22	E	503
43	1211	14-JUL-82	36:26	S 150:21	E	505
44	1818	14-JUL-82	37:03	S 150:00	E	427
45	0533	15-JUL-82	37:37	S 150:18	E	509
46	1541	17-JUL-82	34:21	S 151:25	E	513
47	2250	17-JUL-82	35:05	S 151:05	E	499
48	0518	18-JUL-82	35:44	S 150:38	E	501

Jul 04 15:39 1991 G98207CTD.DAT Page 2

Number of stations : 29 (numbered 19 through 48)

[illegible]

04H

12.	13.829	35.303	47	0.001	0.000	14.	13.829	35.303	46	0.001
20.	13.827	35.302	61	0.002	0.002	22.	13.827	35.302	51	0.002
28.	13.824	35.301	54	0.004	0.005	30.	13.811	35.298	57	0.006
36.	13.809	35.297	52	0.011	0.014	38.	13.823	35.302	45	0.008
44.	13.788	35.292	78	0.002	0.002	46.	13.773	35.289	50	0.006
52.	13.744	35.283	59	0.012	0.014	54.	13.701	35.275	50	0.010
60.	13.677	35.272	46	0.002	0.002	62.	13.692	35.274	54	0.012
68.	13.693	35.276	43	0.004	0.003	70.	13.692	35.276	54	0.002
76.	13.686	35.273	42	0.002	0.002	78.	13.681	35.273	38	0.004
84.	13.674	35.272	68	0.002	0.002	86.	13.671	35.271	47	0.004
92.	13.665	35.269	41	0.002	0.001	94.	13.666	35.270	41	0.001
100.	13.642	35.264	56	0.004	0.005	102.	13.628	35.260	40	0.005
108.	13.608	35.256	55	0.003	0.003	110.	13.604	35.254	52	0.002
116.	13.588	35.251	71	0.001	0.001	118.	13.586	35.250	76	0.003
124.	13.527	35.236	33	0.007	0.007	126.	13.521	35.234	37	0.001
132.	13.516	35.233	40	0.007	0.007	134.	13.498	35.230	35	0.008
140.	14.717	35.593	56	0.116	0.142	142.	14.779	35.613	68	0.017
148.	14.835	35.622	43	0.022	0.024	150.	14.790	35.612	66	0.012
156.	14.981	35.668	49	0.018	0.013	158.	14.984	35.672	66	0.002
164.	14.980	35.670	46	0.001	0.001	166.	14.987	35.672	38	0.004
172.	15.007	35.678	61	0.005	0.006	174.	15.016	35.681	60	0.003
180.	15.004	35.677	45	0.010	0.013	182.	15.012	35.680	53	0.001
188.	15.010	35.679	65	0.001	0.001	190.	15.011	35.678	51	0.001

10w

```
VESEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000020 DIP # = 01  
START DATE - TIME = 08-JUL-82 02:08:00
```

```
BOTTOM DATE - TIME =  
END    DATE - TIME =  
START POSITION      = -38 50   0142 16   0  
BOTTOM POSITION     =  
END    POSITION     =  
DEPTH TO BOTTOM    =  
MAXIMUM SAMPLE PRESSURE = 104  
NUMBER OF VARIABLES PER DATA CYCLE = 6  
NUMBER OF DATA CYCLES ON STATION = 51  
DATE STATION ARCHIVED = 16-AUG-88 CTD INSTRUMENT NUMBER = 0  
ARCHIVE PROGRAM VERSION NUMBER = 0  
55555555555555555555 VARIABLE DESCRIPTIONS 55555555555555555555  
VAR = 01 NAME AND UNITS = PRESSURE (db) FIELD WIDTH = 7  
VAR = 03 NAME AND UNITS = TEMPERATURE (DEGREES C) FIELD WIDTH = 7  
VAR = 05 NAME AND UNITS = SALINITY (PSU) FIELD WIDTH = 7  
VAR = 54 NAME AND UNITS = NO. OBS. PRESSURE FIELD WIDTH = 7  
VAR = 51 NAME AND UNITS = S.D. OF TEMPERATURE FIELD WIDTH = 6  
VAR = 53 NAME AND UNITS = S.D. CONDUCTIVITY FIELD WIDTH = 6  
66666666666666666666 THERE ARE NO STATION COMMENTS 66666666666666666666  
????????????????????? END OF STATION HEADER ??????????????????????
```

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100129	TV5999	F022		0910	09SY		07/08/82	07/18/82	29	1,167
9100129	TV6000	F022		0910	09SY		05/16/83	05/22/83	19	452
9100129	TW0373	F022		0910	09SY		06/13/83	06/19/83	49	1,217
9100129	TW0374	F022		0910	09SY		09/07/83	09/22/83	38	1,598
9100129	TW0375	F022		0910	09SY		10/13/83	10/24/83	77	4,539
9100129	TW0376	F022		0910	09SY		11/08/83	11/21/83	118	8,243
9100129	TW0377	F022		0910	09SY		12/07/83	12/21/83	107	6,137
9100129	TW0378	F022		0910	09SY		01/09/84	01/23/84	131	9,352
9100129	TW0379	F022		0910	09SY		02/09/84	02/22/84	130	8,342
9100129	TW0380	F022		0910	09SY		03/11/84	03/11/84	4	467
9100129	TW0381	F022		0910	09SY		03/24/84	03/25/84	5	259
9100129	TW0382	F022		0910	09SY		07/08/84	07/09/84	6	226
9100129	TW0383	F022		0910	09SY		05/04/83	05/04/83	1	4
9100129	TW0384	F022		0910	09SY		07/09/84	07/17/84	52	2,430
9100129	TW0385	F022		0910	09SY		08/03/84	08/15/84	67	3,296
9100129	TW0386	F022		0910	09SY		09/02/84	09/14/84	43	1,954

878

4100129

FILETYPE F022

TRACK

TV 5999

IDENTIFICATION

TWO 373 - 3.86

6000

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK	SIZE	NO. RECORD
	07/24/91	CLH	A01469 SL tape	72	8000	8000		1617
PE	07/30/91		W01244 NL tape	24				1617
TAPE	07/24/91		A01470 ** SL tape	78 26				1902
DISK	07/30/91	↓	W01536 ** NL tape	26	↓	↓		1902
TRK	9-30-91	R.P.S.	W05874 ***	1	V	V		49700
EX								
72								
REALIZED								

REPORTED TO PRINCIPAL INVESTIGATOR:

Tapes W01244 and W01536 are 9 TRK, NL,
6250 bpi, Ascii

** FILE 1 TO 13 ONLY

*** LABEL: DNOPC * AUSSIECTDOUT.

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

TRACKS DELETED, FIELDS DELETED, ETC.)

Job Name: CDP Hartley Phone # 606-4636 Org/Dept: DEPT: JPM Submit Date: 07/29/91 Job # 43.00

PART A

Request/Problem Category

☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Customer Contribution
☐ Other: none

Special Operator Instructions:

*copy tape ACP1469 to a 'W' tape.
Please scan 'W' tape.*

PART B

(For Operator Use Only)

Operator Job Request Type

☐ Run BRUNOV procedure Name: _____ ☐ See attached list
☐ Run SELENOV procedure Name: _____ ☐ See attached list
☐ Run BUOVSUM 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: _____

ACP1469(052562)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ HL ☒ SL
MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

ID#/Filename: _____

W21244

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ HL ☐ SL
Record Length: 8000 MAX Blocksize: 8000

(For Use Only)

Job Number: 91073001

Completed By: g/a

Date/Time Start: 7-30-91/03:30

Date/Time Completed: 7-30-91/03:45

Job Name: Clf. Activity Phone # 661-4656 Original: EC12001N3449 Date: 07/29/77 User: ASAP

PART A

Job/Problem Category

☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operations
☐ Other: _____

Additional Information

Please copy tape A01470 to a W tape.
Scan W tape.

PART B

(For Operator Job Comments)

Operator Job Request Type

☐ Run BREUOY procedure Name: _____ ☐ See attached list
☐ Run SELEUOY 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: A01470(D002000)

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

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

Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 12 ☒ SL

MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

Id#/Filename: W01536

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

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

Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 12 ☒ SL

MAX Record Length: 8000 MAX Blocksize: 8000

DBS Use Only)

Job Number: 91078002 GA

Completed By: _____

Date/Time Start: 7-30-91/08:50

Date/Time Completed: 7-30-91/09:05

User Name <i>J. Hadley</i>	Phone # <i>673-5736</i>	Org/Task <i>EGD-60843449</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
-------------------------------	----------------------------	---------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape A01469

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|--|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure | - see SPECIAL INSTRUCTIONS | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan GUEPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print | <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | |
| | All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER | - see SPECIAL INSTRUCTIONS | |

Special Operator Instructions:

Please return tape A01469 to Bin 09

JOB INPUT

Id#/Filename: *A01469*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(CC3 Use Only)

JOB Number: *91072443 J.D.*

Date/Time Start: *7-24-91/09:45*
 Date/Time Completed: *7-24-91/09:55*

Name <i>Hadley</i>	606-4136 Phone # <i>573-5736</i>	Org/Task <i>CG12008A3449</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
-----------------------	--	---------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape AD 1470

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|---|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print | <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | |
| All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape AD 1470 to Bin 09

JOB INPUT

ID#/Filename: *AD 1470*

Medium: ☒ Tape ☐ Disk ☐ Disette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ ML ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

ID#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Disette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ ML ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(C3 Use Only)

JOB Number: *9107240492*
 Completed By: *GA*

Date/Time Start: *7-24-91/10:00*
 Date/Time Completed: *7-24-91/10:15*

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

AODC 80/91
43/3

5 July 1991

9900129

Mr Greg Withee
National Oceanographic Data Center
National Oceanic and Atmospheric Administration
Washington, D.C. 20235
U.S.A.

Dear Greg,

Please find enclosed two magnetic tapes and associated documentation for inclusion in the NODC data files. This data set is also to be made available to WDC-A.

One of the enclosed tapes contains CTD data from the Research Vessel Franklin, and the other reel contains CTD data from RV Sprightly and XBT data from RV Franklin. This data set was processed and made available to us by Dr Neil White, the RV Franklin data manager at the CSIRO Division of Oceanography in Hobart Tasmania. Both magnetic tapes are 6350 bpi, ANSI standard labelled, with blocksize of 8000 bytes.

Also included are a copy of the XBT and CTD data formats which are the same for both RV Franklin and RV Sprightly data. I trust that you will find this data set a welcome addition to your data banks as we have at the Australian Oceanographic Data Centre.

I hope that things are still continuing to develop at NODC. GTSPP appears to be getting firmly established. This project has certainly taken off. I was a little disappointed that I could not make it to the meeting in Obninsk but I am sure that the birth of our first baby will more than make up for this.

I would be interested to hear how your new database machine is working out. We are still developing our system and it is looking very promising at this stage. We are about to buy some more hardware shortly which will enable AODC to use some of the database facilities. The software is expected to be completed in early 1992. It's taken a while but it will be an extremely powerful and flexible system when it is finished.

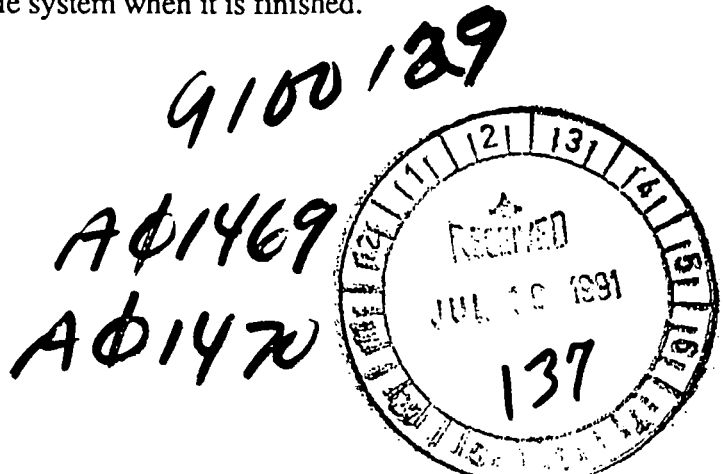
Regards to everybody at NODC

Ben Searle

Ben Searle

Enclosed:

Two 6250 bpi magnetic tapes
List of cruises
Format guide for the XBT data
Format Guide for the CTD data



07/22/91 *Edwin*

Posted: Mon, Jul 22, 1991 12:08 AM EDT
From: B.SEARLE
To: NODC.WDCA

Msg: HGJB-4832-2838

G. WITHEE
Update notice about RV Franklin data set sent from AODC June 1991

You will notice one of the magnetic tape reels from the RV Franklin data set comprises of RV Sprightly CTD data and RV Franklin XBT data. This reel is a combination of 2 ANSI standard labelled tapes which were copied onto one tape. So that there is no confusion when trying to read this tape there are in fact two logical tape volumes on the one physical tape. This tape should read OK but may be confusing if you are unaware of the above. I hope this will sort out any problems that you may have had with regards to this matter.

Regards Edwina Tanner/AODC

9,00129

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

Dear Sir/Madam,

Please acknowledge receipt of delivery of the enclosed data.

Received by:	
Name:	FRANCIS J. MITCHELL
Institution:	NOAA / NODC USA
Date:	19 JULY 91
Signature:	Francis J. Mitchell 9100129

The data provided on the magnetic tape is ANSI standard labelled with a blocksize of 8000 bytes. If this format is satisfactory or if you would like data provided to you in some other format in the future could you please indicate this in the section below. Thank you for your comments as we are trying to standardize data exchange procedures at the AODC.

Please tick box to indicate preferred formats:

tar format
(UNIX tape archive)

[]

ANSI format

[X]

other
(specify in space below)

[]

Comments:

NON-LABELLED TAPE IS preferred



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel. 925 4500
Telex: ALSHYD AA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St,
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: ALSHYD AA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. Dauth

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel 925 4800
Telex: ALSHYD AA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

10. Harmonised Tariff _____

11. Authorisation _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. DAUTH

Position in Company STORES OFFICER



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~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*
Position in Company STORES OFFICER

tape was labeled FRANK

```
t - FR8503CTD.DAT: 469 lines (73088 chars) in 38 tape blocks
t - FR8503CTD.DAT: 3757 lines (626541 chars) in 81 tape blocks
t - FR8504CTD.DAT: 10985 lines (2028427 chars) in 261 tape blocks
t - FR8505CTD.DAT: 13188 lines (2366912 chars) in 305 tape blocks
t - FR8506CTD.DAT: 5266 lines (908075 chars) in 117 tape blocks
t - FR8601CTD.DAT: 11822 lines (2135150 chars) in 274 tape blocks
t - FR8602CTD.DAT: 4459 lines (680261 chars) in 89 tape blocks
t - FR8604CTD.DAT: 3302 lines (531441 chars) in 69 tape blocks
t - FR8608CTD.DAT: 1683 lines (204218 chars) in 27 tape blocks
t - FR8609CTD.DAT: 22477 lines (4528443 chars) in 581 tape blocks
t - FR8702CTD.DAT: 1103 lines (115328 chars) in 16 tape blocks
t - FR8703CTD.DAT: 14279 lines (2360353 chars) in 305 tape blocks
t - FR8704CTD.DAT: 19813 lines (3281754 chars) in 423 tape blocks
t - FR8706CTD.DAT: 6853 lines (1056193 chars) in 137 tape blocks
t - FR8707CTD.DAT: 16676 lines (2726616 chars) in 352 tape blocks
t - FR8708CTD.DAT: 1302 lines (172849 chars) in 23 tape blocks
t - FR8709CTD.DAT: 12545 lines (2013096 chars) in 260 tape blocks
t - FR8710CTD.DAT: 12787 lines (1573076 chars) in 207 tape blocks
t - FR8801CTD.DAT: 4492 lines (711020 chars) in 93 tape blocks
t - FR8802CTD.DAT: 2480 lines (238305 chars) in 32 tape blocks
t - FR8803CTD.DAT: 4460 lines (718579 chars) in 93 tape blocks
t - FR8804CTD.DAT: 5131 lines (811669 chars) in 105 tape blocks
t - FR8805CTD.DAT: 19744 lines (3291795 chars) in 424 tape blocks
t - FR8811CTD.DAT: 5699 lines (868435 chars) in 112 tape blocks
read 24 files in 4424 blocks (204772 lines, 34021624 chars)
```

tape was labeled G9DAT

```
t - G98207CTD.DAT: 2204 lines (303608 chars) in 40 tape blocks
t - G98309CTD.DAT: 1063 lines (127083 chars) in 17 tape blocks
t - G98310CTD.DAT: 2762 lines (337613 chars) in 44 tape blocks
t - G98313CTD.DAT: 2971 lines (414379 chars) in 54 tape blocks
t - G98314CTD.DAT: 7609 lines (1137820 chars) in 147 tape blocks
t - G98315CTD.DAT: 13251 lines (2040099 chars) in 264 tape blocks
t - G98316CTD.DAT: 10333 lines (1538230 chars) in 199 tape blocks
t - G98401CTD.DAT: 14952 lines (2309921 chars) in 299 tape blocks
t - G98402CTD.DAT: 13669 lines (2076017 chars) in 269 tape blocks
t - G98403CTD.DAT: 1162 lines (180063 chars) in 24 tape blocks
t - G98405CTD.DAT: 4808 lines (681773 chars) in 89 tape blocks
t - G98406CTD.DAT: 5809 lines (839310 chars) in 109 tape blocks
t - G98407CTD.DAT: 3559 lines (502548 chars) in 66 tape blocks
t - G98407CTD.DAT: 739 lines (59120 chars) in 8 tape blocks
```

tape was labelled FRXBT

```
t - FR8505XBT.DAT: 554 lines (44320 chars) in 6 tape blocks
t - FR8601XBT.DAT: 907 lines (72560 chars) in 10 tape blocks
t - FR8608XBT.DAT: 428 lines (34240 chars) in 5 tape blocks
t - FR8609XBT.DAT: 194 lines (15520 chars) in 3 tape blocks
t - FR8703XBT.DAT: 31 lines (2480 chars) in 1 tape blocks
t - FR8704XBT.DAT: 774 lines (61920 chars) in 9 tape blocks
t - FR8705XBT.DAT: 265 lines (21200 chars) in 3 tape blocks
t - FR8706XBT.DAT: 538 lines (43040 chars) in 6 tape blocks
t - FR8710XBT.DAT: 126 lines (10080 chars) in 2 tape blocks
t - FR8804XBT.DAT: 472 lines (37642 chars) in 5 tape blocks
t - FR8805XBT.DAT: 1098 lines (87564 chars) in 12 tape blocks
t - FR8810XBT.DAT: 75 lines (5982 chars) in 1 tape blocks
read 26 files in 1692 blocks (90353 lines, 12984132 chars)
```

RV Franklin CTD data

Cruise	Filename	Maximum Station No.#	Release date
FR 3/85	FR8503CTD.DAT	54	now
FR 4/85	FR8504CTD.DAT	95	now
FR 5/85	FR8505CTD.DAT	127	now
FR 6/85	FR8506CTD.DAT	59	now
FR 1/86	FR8601CTD.DAT	112	now
FR 2/86	FR8602CTD.DAT	21 ^B	now
FR 4/86	FR8604CTD.DAT	46	now
FR 8/86	FR8608CTD.DAT	31	now
FR 9/86	FR8609CTD.DAT	79	now
FR 2/87	FR8702CTD.DAT	24	now
FR 3/87	FR8703CTD.DAT	81	now
FR 4/87	FR8704CTD.DAT	115	now
FR 6/87	FR8706CTD.DAT	60	now
FR 7/87 ^A	FR8707CTD.DAT	101	now
FR 8/87	FR8708CTD.DAT	18	now
FR 9/87	FR8709CTD.DAT	90	now
FR 10/87	FR8710CTD.DAT	118	now
FR 1/88	FR8801CTD.DAT	11 [§]	now
FR 2/88	FR8802CTD.DAT	63	now
FR 3/88	FR8803CTD.DAT	28	now
FR 4/88	FR8804CTD.DAT	40	now
FR 5/88	FR8805CTD.DAT	104	now
FR 11/88	FR8811CTD.DAT	55	* 01-JUN-1991

1542

^AThere can be gaps in the sequence.

^BIncludes multiple dips, 58 separate files.

[§]Includes multiple dips, 24 separate files.

RV Franklin XBT data

Cruise	File name	Max drop number*	Release date
Fr 4/85	FR8504XBT.DAT	88	now
Fr 5/85	FR8505XBT.DAT	79	now
Fr 1/86	FR8601XBT.DAT	114	now
Fr 8/86	FR8608XBT.DAT	69	now
Fr 9/86	FR8609XBT.DAT	30	now
Fr 3/87	FR8703XBT.DAT	9	now
Fr 4/87	FR8704XBT.DAT	183	now
Fr 5/87	FR8705XBT.DAT	47	now
Fr 6/87	FR8706XBT.DAT	84	now
Fr 10/87	FR8710XBT.DAT	14	now
Fr 4/88	FR8804XBT.DAT	64	now
Fr 5/88	FR8805XBT.DAT	160	now
Fr 10/88	FR8810XBT.DAT	10	now

951

* There can be gaps in the sequence.

RV Sprightly CTD Data

Cruise	Filename	Maximum Station No. [∂]	Release date
Sp 7/82	G98702CTD.DAT	48	now
Sp 9/83	G98309CTD.DAT	19	now
Sp 10/83	G98310CTD.DAT	51	now
Sp 13/83	G98313CTD.DAT	39	now
Sp 14/89	G98314CTD.DAT	77	now
Sp 15/89	G98315CTD.DAT	119	now
Sp 16/89	G98316CTD.DAT	109	now
Sp 1/84	G98401CTD.DAT	32	now
Sp 2/84	G98402CTD.DAT	135	now
Sp 3/84	G98403CTD.DAT	9	now
Sp 5/84	G98405CTD.DAT	61	now
Sp 6/89	G98406CTD.DAT	69	now
Sp 7/89	G98407CTD.DAT	44	now

812

[∂]There can be gaps in the sequence.

RV Franklin XBT data format

All the drops for a cruise are in one file and the format is as follows :

For each drop there is a header record (see example below) and a series of data records.
The header record format is:

```
FRAabbbbccddeeffffghhijkkllmnnn  oo pp.ppq  rrr ss.sst 98
```

where :

- : ^ denotes a blank
- : FR is the vessel code for RV Franklin
- : aa is the cruise number
- : bbbb is the drop or XBT number
- : cc is the year
- : dd is the month
- : ee is the day
- : ffff is the time (24 hour clock)
- : g is the time zone (= 'Z' - UTC)
- : hh is the whole degrees of latitude
- : ii is the minutes of latitude
- : j is the hemisphere (= 'N' or 'S')
- : kkk is the whole degrees of longitude
- : ll is the minutes of longitude
- : m is the hemisphere (= 'E' or 'W')
- : nnnn is the bottom depth (in metres) if available (blank otherwise)

If a corrected position is available, it is inserted in the header record as follows :

- : oo is the whole degrees of latitude
- : pp.pp is the minutes and hundredth's of minutes of latitude
- : q is the hemisphere (= 'N' or 'S')
- : rrr is the whole degrees of longitude
- : ss.ss is the minutes and hundredth's of minutes of longitude
- : t is the hemisphere (= 'E' or 'W')

otherwise these fields are left blank. If these fields contain a position, this position will be more accurate than the other position in the header, which should be ignored.

After the header record, there are as many data records as are required. The first data record contains the temperatures at 0,5,10,15,...,95 metres. The second record contains the temperatures at 100,105,110,...,195 metres, and so on. Blanks indicate that there is no temperature for that depth. (The surface (0 metre) value is left blank because of large surface transients).

The format of the i-th data record is:

```
.....aaabbbcccddeefffggghhhlljjkkkllmmnnnooppqqrrrsssttt.....uu
```

where

:	^	denotes a blank
:	aaa	is 10 times the temperature at (i-1)X100 metres
:	bbb	is 10 times the temperature at (i-1)X100+5 metres
:	ccc	is 10 times the temperature at (i-1)X100+10 metres
:	.	
:	.	
:	.	
:	ttt	is 10 times the temperature at (i-1)X100-5 metres
:	u	= i+2

(The FORTRAN format to read this is (10X,20I3,8X,I2).)

Thus in the first example below (drop number 24 from cruise Fr 4/87, at 17:37 on the 16th of March, 1987), the temperature at 5 metres is 22.9°C, the temperature at 100 metres is 18.4°C, and at 105 metres it is 18.1°C. The deepest temperature (5.8°C) is at 760 metres.

Sample of XBT data :

```
FR0400248703161737Z2900S11235E4000      29 00.43S  112 35.89E      98
      229230229229229229229227225221219210206202199197192189187      3
      184181179178176174172168167166164163162161159157154152151149      4
      148146144143142139138137135134132131130129128127126125123122      5
      1201191171161141131113112111110109108107106106105104103103103      6
      102101101101101100100 99 99 98 98 98 97 97 96 96 95 95 95 95      7
      94 94 94 94 93 93 93 92 92 91 91 90 90 90 90 89 89 89 88 88      8
      87 87 86 86 85 84 84 82 82 82 81 80 79 78 77 76 74 74 73 72      9
      71 70 69 68 66 66 65 64 62 61 60 59 58      10
FR0400258703170053Z2828S11217E3600      28 28.32S  112 15.94E      98
      234234238238239239239239238233228224219216212208205202200      3
      197194192190188186184182181179179177176173171170169168166165      4
      163162160159157156156153152151149148146143142141139137134132      5
      131127124122118114111108104103100100 99 99 97 96 95 94 94 94      6
      94 93 92 91 91 91 91 90 90 90 89 88 88 86 86 84 83 83 82 81      7
      80 80 79 78 77 77 76 76 76 74 73 72 71 71 70 68 67 67 65 65      8
      64 63 62 61 61 60 59 58 57 57 56 55 55 55 54 54 54 53 53 53      9
      53 52 52 51 51 51 51 50 50 49 49 49 48      10
```

Fmt_no. FORMAT(4(F7.0,2F7.3,I7,2F6.3))

The first record of profile data written is the first record with data in it, so the depth of this record can vary from station to station

FR0500018510011020Z1615S14619E
248247247247247247247247247247246245245244244244243243
242241239238237235234234231227226223220218215213211208205203
200197195194193191187184183179178176175173172171170168165161
160159156154

[illegible]

FR050003851001163021510514623E
249248248248248248248248248249249249247246244243243
2432432422392325242229272252424222219216214212210208206203
201197196194193190188184183181178175173171170168167167166165
164163161157151150146144142141138136134132130129128123122120
119117115113112109107105103101 99 96 95 94 93 92 91 90 89 87
86 86 85 84 82 81 81 79 79 78 77 76 75 74 73 72 72 71 70 69
68 68 67 66 66 65 64 64 63 63 63 62 62 62 61 60 60 59 59 59
58 58 57 57 56 56 55 55 54 53 53 53

[illegible][illegible]

FR0500068510021900Z1222S14657E
251251250250250250250251251251251251251251251251251251
250250249247245242238235232230228225222219217215212210208205
203201198195193190188185

FR0500078510030523Z113S214712E
25525254254254254254254254254254254253252248247246245243
2392372352323223022722422220215212210206204203201198197195
194192189185181177176174172170168167166163162161160159157156
154151148145142141138136133132131127127120120117113108105102
99 98 96 95 93 91 89 86 85 83 82 80 77 75 76 76 75 74 74 74
73 72 71 70 69 69 68 67 67 67 67 66 66 66 65 64 64 63 63
63 63 63 62 62 62 61 60 59 58 58 57 57 57 57 56 56 55 55
54 54 53 53 53 52 51 51 51 51 50 50

FR0500088510031400Z1037S14731E
246246245245245245246245246245246246245245245242238

238236234232231225223222219215210208207205204201200197196194	4
192189188185183180177174172170167166163161159158155154150148	5
146145143139138136133130128127126124121120117114112110107105	6
102102 99 97 95 94 93 92 91 90 89 88 87 86 85 84 83 81 81	7
81 79 79 78 76 76 75 75 75 73 72 71 70 70 68 68 67 66 66 66	8
65 65 64 64 64 63 62 62 62 61 60 60 60 59 59 58 57 57 57 56	9
56 56 56 55 55 54 54 54 54 53 53 53 53	10

FR050009851003203021023S14808E 98

239239238238238238239238236236236235234234232231230229228	3
22722722323221219217209207205204203202198197196195192190183	4
180178176174172166166165165163161155154154154154153152150147	5
146142139134131129129129129129128128128128128128128127124124	6
1191141121121121121111105 99 98 97 96 94 93 92 91 90 88 86 86	7
86 85 85 84 83 82 81 81 79 79 78 77 77 77 77 76 76 74 73 72	8
71 70 69 69 69 68 68 67 67 67 67 66 65 64 64 64 63 63 63	9
62 62 62 61 61 61 61 60 59 58 55 55	10

XBT notes

The system on Franklin is subject to high surface transients. As a result, we make no attempt to calculate a surface value - the first value for most drops is the temperature at 5 metres.

In addition, the stern (thru-hull) launcher is poorly placed, and XBT's launched through it are more than usually subject to wire stretch. Since the first few cruises, the stern launcher has only been used occasionally. For the first three cruises (Fr 4/85, 5/85 and 1/86), the stern launcher was used for most of the drops, and many of them have some signs of wire stretch, but the 'bulging' which is characteristic of this problem was not enough to reject the drops.

Bottom depths have not been checked against sounder traces, but have been checked for plausibility and, where possible, against the digital sounder data.

All probes were T-7's, except where noted

Some specific comments follow :

<u>Cruise</u>	<u>Comments</u>
Fr 4/88	the digitising was not working well on the sounder, so all the bottom depths look very 'round', as they were read from the paper trace.
Fr 5/88	four different types of probes were used : T-10 for drops 3-7, 155-160 T-5 for drops 50-53, 67-69, 95-98, 100 and 104-105 T-4 for drop 154 T-7 for all other drops There seems to be some calibration problem between the different types of probes (see drops 65 through 71) The comments about the sounder depths for FR 4/88 also apply.
Fr 10/89	a number of odd looking features were confirmed by nearby CTD stations
Fr 13/89	as the cruise was looking for and passing in and out of eddies the temperature structure often varies substantially between adjacent drops.

Processed CTD data format

There is one file for an entire cruise. File names are in the format of VVYYCCCTD.DAT, where VV is the Vessel code (G9= RV Sprightly and FR = RV Franklin), YY is the year of the cruise and CC is the cruise number within that year. Each file consists of a CRUISE HEADER section, which has a station listing and processing notes included and a DETAILS SECTION for each station. All dates and times are UTC and South latitude is negative. Each station has information in its individual DETAILS SECTION as to which variables have been included for the station and the field widths of the data for each variable within each data cycle or depth and the number of data cycles within each station.

An example Cruise Header and Station Header is:

[illegible]

VESSEL CODE = FR YEAR = 85 CRUISE IDENTIFIER = 05

VESSEL NAME = R.V. FRANKLIN

START DATE OF CRUISE = 01-OCT-85

END DATE OF CRUISE = 05-NOV-85

CRUISE LEADER = Dr. M.J. Furnas

DATA PROCESSED BY - D.J.Vaudrey

DATE ARCHIVED - 11-MAY-87

MINIMUM LATITUDE IN DATA = -20.985

MAXIMUM LATITUDE IN DATA = -9.895

MINIMUM LONGITUDE IN DATA = 145.020

MAXIMUM LONGITUDE IN DATA - 166.407

MAXIMUM SAMPLE PRESSURE IN DATA - 4788

ARCHIVE PROGRAM VERSION NUMBER = 0

22222222222222222222 CRUISE COMMENTS 22222222222222222222

```
| 1 | 0445 1-OCT-85 16:47.70S 146:07.09E 49 | 46 |
```

```

1      2 | 0719  1-OCT-85  16:37.40S 146:16.00E      100      | 90 |

```

3	1928	1-OCT-85	14:53.80S	146:26.36E	1899	1502
---	------	----------	-----------	------------	------	------

...A full station listing detailing station number, time and date (UTC) bottom depth and maximum cast pressure...

CTD Processing Notes:

D.J.Vaudrey and N.J.White:

Fr0585:

General:

Data Quality was poor to fair. Many problems were encountered with Unit 1 as previously discovered during Fr0485. Too few samples were collected

222222222222222222 CRUISE COMMENTS 222222222222222222

[illegible]

04w	4.	24.164	35.223	6.	24.164	35.223	8.	24.166	35.223	10.	24.166	35.223
	20.	24.177	35.223	22.	24.177	35.223	24.	24.176	35.223	26.	24.176	35.223
	36.	24.179	35.224	38.	24.179	35.223	40.	24.180	35.223	42.	24.180	35.223
	52.	24.182	35.224	54.	24.183	35.224	56.	24.184	35.224	58.	24.184	35.224
	68.	24.185	35.223	70.	24.185	35.223	72.	24.186	35.224	74.	24.186	35.224
	84.	24.187	35.226	86.	24.188	35.226	88.	24.188	35.226	90.	24.188	35.226
	100.	23.884	35.620	102.	23.670	35.664	104.	23.626	35.667	106.	23.626	35.667
	116.	22.752	35.712	118.	22.644	35.718	120.	22.601	35.718	122.	22.601	35.718
	132.	22.050	35.734	134.	22.045	35.734	136.	21.971	35.732	138.	21.971	35.732
	148.	21.457	35.736	150.	21.349	35.735	152.	21.193	35.735	154.	21.193	35.735
	164.	20.925	35.733	166.	20.901	35.732	168.	20.785	35.730	170.	20.785	35.730
	180.	20.354	35.718	182.	20.334	35.717	184.	20.323	35.716	186.	20.323	35.716
	196.	20.266	35.716	198.	20.259	35.715	200.	20.246	35.715	202.	20.246	35.715
	212.	20.118	35.709	214.	20.090	35.707	216.	19.993	35.701	218.	19.993	35.701
	228.	19.612	35.677	230.	19.543	35.672	232.	19.486	35.667	234.	19.486	35.667
	244.	19.220	35.644	246.	19.199	35.643	248.	19.127	35.638	250.	19.127	35.638
	260.	18.559	35.593	262.	18.372	35.577	264.	18.277	35.569	266.	18.277	35.569
	276.	17.961	35.542	278.	17.893	35.537	280.	17.810	35.531	282.	17.810	35.531

292.	17.413	35.494	294.	17.407	35.493	296.	17.341	35.488	298.	17.
308.	16.981	35.453	310.	16.938	35.448	312.	16.857	35.442	314.	16.
324.	16.579	35.413	326.	16.449	35.401	328.	16.273	35.385	330.	16.
340.	15.841	35.361	342.	15.822	35.360	344.	15.802	35.360	346.	15.
356.	15.400	35.306	358.	15.355	35.302	360.	15.254	35.291	362.	15.
372.	14.908	35.260	374.	14.825	35.251	376.	14.683	35.239	378.	14.
388.	14.213	35.189	390.	14.141	35.181	392.	14.105	35.178	394.	14.
404.	13.830	35.150	406.	13.789	35.147	408.	13.727	35.142	410.	13.
420.	13.358	35.103	422.	13.341	35.101	424.	13.307	35.098	426.	13.
436.	12.873	35.053	438.	12.748	35.044	440.	12.674	35.034	442.	12.
452.	12.307	35.001	454.	12.259	34.996	456.	12.196	34.990	458.	12.
468.	11.879	34.963	470.	11.827	34.957	472.	11.742	34.950	474.	11.
484.	11.278	34.900	486.	11.209	34.894	488.	11.165	34.889	490.	11.
500.	11.063	34.878	502.	10.996	34.871	504.	10.949	34.865	506.	10.
516.	10.620	34.831	518.	10.610	34.830	520.	10.578	34.827	522.	10.
532.	10.297	34.798	534.	10.287	34.796	536.	10.278	34.795	538.	10.
548.	10.138	34.783	550.	10.123	34.781	552.	10.118	34.780	554.	10.
564.	9.912	34.761	566.	9.876	34.759	568.	9.871	34.756	570.	9.
580.	9.691	34.740	582.	9.683	34.738	584.	9.662	34.736	586.	9.
596.	9.414	34.715	598.	9.330	34.708	600.	9.323	34.702	602.	9.
612.	8.875	34.656	614.	8.830	34.650	616.	8.807	34.651	618.	8.
628.	8.458	34.615	630.	8.454	34.614	632.	8.436	34.613	634.	8.
644.	8.110	34.585	646.	8.001	34.579	648.	7.946	34.567	650.	7.
660.	7.826	34.560	662.	7.819	34.559	664.	7.806	34.558	666.	7.
676.	7.742	34.554	678.	7.711	34.553	680.	7.713	34.550	682.	7.
692.	7.509	34.535	694.	7.476	34.534	696.	7.461	34.531	698.	7.
708.	7.278	34.519	710.	7.265	34.518	712.	7.265	34.517	714.	7.
724.	7.094	34.505	726.	7.068	34.505	728.	7.068	34.503	730.	7.
740.	6.887	34.494	742.	6.885	34.493	744.	6.882	34.493	746.	6.
756.	6.717	34.484	758.	6.696	34.483	760.	6.625	34.479	762.	6.
772.	6.352	34.468	774.	6.342	34.468	776.	6.326	34.467	778.	6.
788.	6.203	34.461	790.	6.194	34.462	792.	6.171	34.462	794.	6.
804.	6.121	34.460	806.	6.118	34.460	808.	6.109	34.460	810.	6.
820.	5.998	34.458	822.	5.998	34.458	824.	5.994	34.457	826.	5.
836.	5.949	34.457	838.	5.925	34.459	840.	5.884	34.458	842.	5.
852.	5.809	34.458	854.	5.804	34.458	856.	5.776	34.460	858.	5.
868.	5.741	34.459	870.	5.739	34.459	872.	5.739	34.459	874.	5.
884.	5.731	34.459	886.	5.722	34.458	888.	5.690	34.457	890.	5.
900.	5.609	34.454	902							

```

10w
444444444444444444444444 START STATION HEADER 44444444444444444444
VESSEL CODE = FR YEAR = 85 CRUISE ID = 03 STATION ID = 000004 DIP # = 01
START DATE - TIME =
BOTTOM DATE - TIME = 19-JUN-85 20:31:00
END DATE - TIME =
START POSITION = -20 26.130153 00.440
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM = 524
MAXIMUM SAMPLE PRESSURE = 506
NUMBER OF VARIABLES PER DATA CYCLE = 3

```

04w	2.	24.275	35.126	4.	24.275	35.126	6.	24.273	35.126	8.	24.
	18.	24.275	35.126	20.	24.277	35.126	22.	24.276	35.125	24.	24.
	34.	24.307	35.154	36.	24.305	35.161	38.	24.301	35.167	40.	24.
	50.	24.259	35.214	52.	24.258	35.217	54.	24.257	35.219	56.	24.
	66.	24.266	35.236	68.	24.261	35.235	70.	24.257	35.235	72.	24.
	82.	24.285	35.263	84.	24.279	35.267	86.	24.303	35.304	88.	24.
	98.	23.820	35.621	100.	23.530	35.670	102.	23.371	35.682	104.	23.
	114.	22.988	35.702	116.	22.954	35.704	118.	22.889	35.706	120.	22.
	130.	22.751	35.711	132.	22.687	35.708	134.	22.538	35.711	136.	22.
	146.	22.088	35.728	148.	22.077	35.728	150.	22.061	35.729	152.	22.
	162.	21.617	35.734	164.	21.490	35.735	166.	21.394	35.732	168.	21.
	178.	21.132	35.733	180.	21.128	35.733	182.	21.042	35.733	184.	21.
	194.	20.790	35.730	196.	20.715	35.727	198.	20.668	35.727	200.	20.
	210.	20.204	35.710	212.	20.180	35.709	214.	20.158	35.708	216.	20.
	226.	19.888	35.690	228.	19.870	35.691	230.	19.840	35.688	232.	19.
	242.	19.275	35.647	244.	19.222	35.646	246.	19.172	35.642	248.	19.
	258.	18.665	35.607	260.	18.596	35.600	262.	18.535	35.590	264.	18.
	274.	18.050	35.550	276.	17.988	35.545	278.	17.937	35.539	280.	17.
	290.	17.445	35.492	292.	17.360	35.488	294.	17.271	35.481	296.	17.
	306.	16.859	35.440	308.	16.793	35.434	310.	16.744	35.428	312.	16.
	322.	16.443	35.398	324.	16.362	35.388	326.	16.237	35.378	328.	16.
	338.	15.621	35.312	340.	15.436	35.298	342.	15.173	35.273	344.	14.
	354.	14.488	35.199	356.	14.427	35.190	358.	14.300	35.184	360.	14.
	370.	14.078	35.158	372.	14.056	35.154	374.	13.970	35.148	376.	13.
	386.	13.472	35.101	388.	13.318	35.087	390.	13.296	35.083	392.	13.
	402.	12.946	35.054	404.	12.869	35.048	406.	12.781	35.036	408.	12.
	418.	12.291	34.987	420.	12.247	34.982	422.	12.105	34.973	424.	11.
	434.	11.537	34.916	436.	11.503	34.913	438.	11.472	34.910	440.	11.
	450.	11.014	34.867	452.	10.948	34.862	454.	10.889	34.856	456.	10.
	466.	10.517	34.818	468.	10.483	34.814	470.	10.479	34.814	472.	10.
	482.	10.181	34.784	484.	10.168	34.784	486.	10.156	34.783	488.	10.
	498.	10.046	34.774	500.	10.033	34.771	502.	10.030	34.770	504.	9.

Stat No.	Time	Date	BOTTOM			Cast Depth
			Latitude	Longitude	Bot Depth	
19	1439	8-JUL-82	38:55	S 142:13	E	193
20	1607	8-JUL-82	38:50	S 142:16	E	107
21	1815	8-JUL-82	38:36	S 142:26	E	57
22	2300	8-JUL-82	38:33	S 141:37	E	107
23	0046	9-JUL-82	38:46	S 141:36	E	243
24	1546	8-JUL-82	38:49	S 141:36	E	499
25	0237	9-JUL-82	38:50	S 141:38	E	953
26	0103	10-JUL-82	41:25	S 144:20	E	503
27	0616	10-JUL-82	41:58	S 144:35	E	503
28	1222	10-JUL-82	42:34	S 144:51	E	403
29	1756	10-JUL-82	43:07	S 145:11	E	505
30	0024	11-JUL-82	43:43	S 145:53	E	301
31	1218	11-JUL-82	43:18	S 148:13	E	463
32	1756	11-JUL-82	42:36	S 148:30	E	1003
33	1931	11-JUL-82	42:34	S 148:28	E	477
35	2243	11-JUL-82	42:32	S 148:10	E	55
36	0624	12-JUL-82	41:53	S 148:36	E	205
37	0731	12-JUL-82	41:53	S 148:37	E	463
38	1503	12-JUL-82	41:00	S 148:41	E	227
39	1611	12-JUL-82	41:00	S 146:43	E	505
40	2126	12-JUL-82	40:26	S 148:55	E	509
41	2243	12-JUL-82	40:25	S 148:52	E	185
42	0626	14-JUL-82	37:04	S 150:22	E	503
43	1211	14-JUL-82	36:26	S 150:21	E	505
44	1818	14-JUL-82	37:03	S 150:00	E	427
45	0533	15-JUL-82	37:37	S 150:18	E	509
46	1541	17-JUL-82	34:21	S 151:25	E	513
47	2250	17-JUL-82	35:05	S 151:05	E	499
48	0518	18-JUL-82	35:44	S 150:38	E	501

Jul 04 15:39 1991 G98207CTD.DAT Page 2

[illegible]

12.	13.829	35.303	47	0.001	0.000	14.	13.829	35.303	46	0.001
20.	13.827	35.302	61	0.002	0.002	22.	13.827	35.302	51	0.002
28.	13.824	35.301	54	0.004	0.005	30.	13.811	35.298	57	0.006
36.	13.809	35.297	52	0.011	0.014	38.	13.823	35.302	45	0.008
44.	13.788	35.292	78	0.002	0.002	46.	13.773	35.289	50	0.006
52.	13.744	35.283	59	0.012	0.014	54.	13.701	35.275	50	0.010
60.	13.677	35.272	46	0.002	0.002	62.	13.692	35.274	54	0.012
68.	13.693	35.276	43	0.004	0.003	70.	13.692	35.276	54	0.002
76.	13.686	35.273	42	0.002	0.002	78.	13.681	35.273	38	0.004
84.	13.674	35.272	68	0.002	0.002	86.	13.671	35.271	47	0.004
92.	13.665	35.269	41	0.002	0.001	94.	13.666	35.270	41	0.001
100.	13.642	35.264	56	0.004	0.005	102.	13.628	35.260	40	0.005
108.	13.608	35.256	55	0.003	0.003	110.	13.604	35.254	52	0.002
116.	13.588	35.251	71	0.001	0.001	118.	13.586	35.250	76	0.003
124.	13.527	35.236	33	0.007	0.007	126.	13.521	35.234	37	0.001
132.	13.516	35.233	40	0.007	0.007	134.	13.498	35.230	35	0.008
140.	14.717	35.593	56	0.116	0.142	142.	14.779	35.613	68	0.017
148.	14.835	35.622	43	0.022	0.024	150.	14.790	35.612	66	0.012
156.	14.981	35.668	49	0.018	0.013	158.	14.984	35.672	66	0.002
164.	14.980	35.670	46	0.001	0.001	166.	14.987	35.672	38	0.004
172.	15.007	35.678	61	0.005	0.006	174.	15.016	35.681	60	0.003
180.	15.004	35.677	45	0.010	0.013	182.	15.012	35.680	53	0.001
188.	15.010	35.679	65	0.001	0.001	190.	15.011	35.678	51	0.001

```

44444444444444444444 START STATION HEADER 44444444444444444444
VESSEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000020 DIP # = 01
START DATE - TIME = 08-JUL-82 02:08:00

```


ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100129	099001	C022		0910	09FA	TV5982	06/19/85	06/26/85	50	4,264
9100129	099002	C022		0910	09FA	TV5983	07/20/85	08/22/85	88	14,000
9100129	099003	C022		0910	09FA	TV5984	10/01/85	11/03/85	124	16,174
9100129	099004	C022		0910	09FA	TV5985	12/04/85	12/17/85	59	6,216
9100129	099005	C022		0910	09FA	TV5986	01/08/86	02/06/86	109	14,872
9100129	099006	C022		0910	09FA	TV5987	05/22/86	06/02/86	46	3,516
9100129	099007	C022		0910	09FA	TV5988	10/03/86	10/13/86	29	728
9100129	099008	C022		0910	09FA	TV5989	11/04/86	11/19/86	74	8,222
9100129	099009	C022		0910	09FA	TV5990	01/20/87	02/16/87	103	10,169
9100129	099010	C022		0910	09FA	TV5991	03/12/87	03/27/87	108	13,647
9100129	099011	C022		0910	09FA	TV5992	06/03/87	06/22/87	59	4,262
9100129	099012	C022		0910	09FA	TV5993	08/04/87	08/22/87	101	11,267
9100129	099013	C022		0910	09FA	TV5994	11/03/87	11/20/87	115	3,936
9100129	099014	C022		0910	09FA	TV5995	02/21/88	03/15/88	90	3,270
9100129	099015	C022		0910	09FA	TV5996	05/01/88	05/17/88	38	3,291
9100129	099016	C022		0910	09FA	TV5997	06/22/88	07/17/88	102	13,710
9100129	099017	C022		0910	09FA	TV5998	12/02/88	12/16/88	52	3,485

FILETYPE C022

TRACK

PROJECT IDENTIFICATION

41001
9100129

[TV5982-5998]

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LOECL	BLK SIZE	NO. RECORD
	07/24/91	CCNH	AΦ1469 SL tape	24 22	8000	8000	4617
PE	07/30/91		WΦ1244 NL tape	24			4617
TAPE	07/24/91		AΦ1470 SL tape	28			1902
DISK	07/30/91		WΦ1536 NL tape	26			1902
EX	9-27-91	R.P.S.	W13591 **				
EX							
22							
REALIZED							

NOTED TO PRINCIPAL INVESTIGATOR:

Tapes WΦ1244 ~~and WΦ1536~~ are 9 TRK, NL,
6250 bpi, Ascii

** LABEL: DNODE*AUSSIECTDOUT.

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

TRACKS DELETED, FIELDS DELETED, ETC.)

NANSIM #

099001

MULDARS TRACK #

TV5982

MONITOR: CONTACT

MARY Lewis

LOCATION OF F022 SOURCE

ARCHIVE 5

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

NONE

NAMEN REF :

099002

MULDARS TRACK #

TV5983

MONITOR: CONTACT

MARY LEWIS

LOCATION OF F022 SOURCE

ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

~~000~~
0027 ✓

Delete depth to bottom

MRL
09 Mar 1992

NANSEN REF #

099003

MULDARS TRACK #

TV5984

MONITOR: CONTACT ,

MARY LEWIS

LOCATION OF F022 SOURCE

ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

0082 ✓

Change long from 145
to 147

✓ 29 Mar 1992
MRL

NANSEN REF. #

099004

MINIDARS TRACK #

TV5985

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TV5985)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

KANSEN REF. #

099005

MILBARS TRACK #

TV 5986

MONITOR: CONTACT

J Frank

LOCATION OF FO22 SOURCE

Archives (TV 5986)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

HANSEN REF. #

099006

MINIDARS TRACK #

TV5987

MONITOR: CONTACT

J Frank

LOCATION OF FO22 SOURCE

Archives (TV5987)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

MANSEN REF. #

099007

MIN DARS TRACK #

TV5988

MONITOR: CONTACT

J Frank

LOCATION OF FO22 SOURCE

Archives (TV5988)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF. #

099008

MILITARY TRACK #

TV5989

MONITOR: CONTACT

J Frank

LOCATION OF FO22 SOURCE

Archives (TV5989)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

(Changing the N to S in Consec

No 13, is not an error, according to MRL)

HANSEN REF. #

099009

MULDARS TRACK #

TV5990

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TV5990)

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

None

NANSEN REF. #

099010

MULDARS TRACK #

TV5991

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5991)

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

None

NANSEN REF. #

099011

MINIDARS TRACK #

TV 5992

MONITOR: CONTACT

J. Frank

LOCATION OF FO22 SOURCE

Archives (TV 5992)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

WARSEN REF. #

099012

MULDARS TRACK #

TV5993

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5993)

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

None

HANSEN REF. #

099013

MULDARS TRACK #

TV5994.

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5994)

RECORD ALL ERRORS FOUND

CONSEC(S).

11 ✓

ERRORS FOUND

Deleted Depth to Bottom
value of 00295.

[Signature]

09 March 1992

NANSEN REF #

099014

MULDARS TRACK #

TV5995

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TV5995)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

63 thru 90 ✓

Add Long. Hemisphere E.

[Signature]
09 March 92

NANSEN REF #

099015

MULDARS TRACK #

TV5996

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5996)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #

099016

MULDARS TRACK #

TV5997

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5997)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

31

Change latitude from $14^{\circ}01.5'$ to $18^{\circ}07.3'$
Change Longitude from $146^{\circ}17.8'$ to $147^{\circ}27.5'$

[Signature]
9 Mar 92

NANSEN REF #

099017

MULDARS TRACK #

TV5998

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5998)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

Operator Name: CLP/Hartley Phone # 606-4436 Org/Dept CGP/COMNAV Request Date 09/29/91 7:50

PAGE A

Request/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operation
☐ Other:

1. At/Through Description:

copy tape ACP1469 to a 'W' tape.
Please scan 'W' tape.

PART B

(For Operator Use Only)

Operator Job Request Type

- ☐ Run BRUNOV procedure Name: ☐ See attached list
☐ Run SELBUOV procedure Name: ☐ See attached list
☐ Run BUDYSUM 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: ACP1469(050562)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 5250 ☐ HL ☒ SL
MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

Id#/Filename: W01244

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 5250 ☐ HL ☐ SL
Record Length: 8000 MAX Blocksize: 8000

(J3 Use Only)

JOB Number: 91073041

Completed By: 9/2

Date/Time Start: 7-30-91/08:30

Date/Time Completed: 7-30-91/08:45

Client Name: Cliff Hooten Phone # 606-4636 City: EGG HARBOR Date: 07/29/91 AS40

PART A

Request/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operations
☐ Other: _____

Please copy tape AP1476 to a W tape.
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: AP1476(D02282)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 9600 ☒ SL
MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

Id#/Filename: W01536

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 9600 ☒ SL
Record Length: 8000 MAX Blocksize: 8000

CCS Use Only)

Job Number: 910722002 GS

Completed By:

Date/Time Start: 7-30-91/08:50

Date/Time Completed: 7-30-91/09:05

User Name <i>J. Hadley</i>	Phone # <i>673-5736</i>	Org/Task <i>EGED-00843449</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
-------------------------------	----------------------------	----------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operations
☐ Other Specify:

Request/Problem Description:

Please scan tape A01469

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 return tape A01469 to Bin 09

JOB INPUT

Id#/Filename: *A01469*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(CC3 Use Only)

JOB Number: *91072443*

Completed By: *J.D.*

Date/Time Start: *7-24-91/09:45*

Date/Time Completed: *7-24-91/09:55*

Name <i>W. H. Hardy</i>	Phone # <i>606-4131</i>	Org/Task <i>CG-60613444</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
----------------------------	----------------------------	--------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape AD 1470

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|---|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print | <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | |
| | All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape AD 1470 to Bin 09

JOB INPUT

Id#/Filename: *AD 1470*

Medium: ☒ Tape ☐ Disk ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ RL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ RL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(CDS Use Only)

JOB Number: *91072404 GA*

Completed By: _____

Date/Time Start: *7-24-91/10200*

Date/Time Completed: *7-24-91/10315*

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

AODC 80/91
43/3

5 July 1991

9900129

Mr Greg Withee
National Oceanographic Data Center
National Oceanic and Atmospheric Administration
Washington, D.C. 20235
U.S.A.

Dear Greg,

Please find enclosed two magnetic tapes and associated documentation for inclusion in the NODC data files. This data set is also to be made available to WDC-A.

One of the enclosed tapes contains CTD data from the Research Vessel Franklin, and the other reel contains CTD data from RV Sprightly and XBT data from RV Franklin. This data set was processed and made available to us by Dr Neil White, the RV Franklin data manager at the CSIRO Division of Oceanography in Hobart Tasmania. Both magnetic tapes are 6350 bpi, ANSI standard labelled, with blocksize of 8000 bytes.

Also included are a copy of the XBT and CTD data formats which are the same for both RV Franklin and RV Sprightly data. I trust that you will find this data set a welcome addition to your data banks as we have at the Australian Oceanographic Data Centre.

I hope that things are still continuing to develop at NODC. GTSPP appears to be getting firmly established. This project has certainly taken off. I was a little disappointed that I could not make it to the meeting in Obninsk but I am sure that the birth of our first baby will more than make up for this.

I would be interested to hear how your new database machine is working out. We are still developing our system and it is looking very promising at this stage. We are about to buy some more hardware shortly which will enable AODC to use some of the database facilities. The software is expected to be completed in early 1992. It's taken a while but it will be an extremely powerful and flexible system when it is finished.

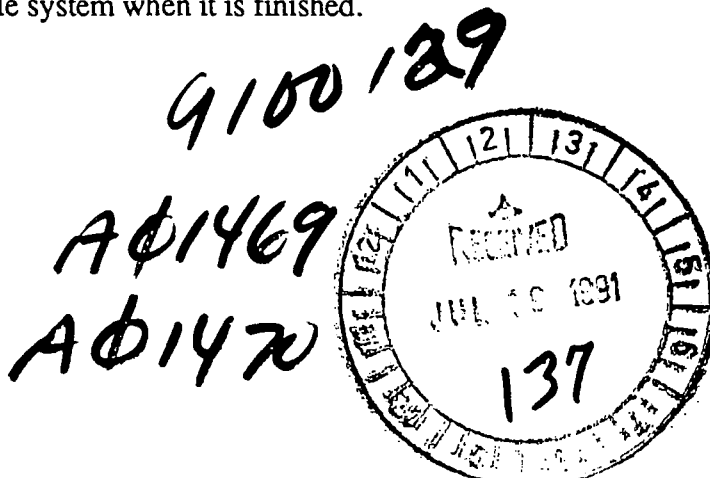
Regards to everybody at NODC

Ben Searle

Ben Searle

Enclosed:

Two 6250 bpi magnetic tapes
List of cruises
Format guide for the XBT data
Format Guide for the CTD data
A standard document on the format of



07/22/91

Edwin

Posted: Mon, Jul 22, 1991 12:08 AM EDT

Msg: HGJB-4832-2838

From: B.SEARLE

To: NODC.WDCA

G.WITHEE

Update notice about RV Franklin data set sent from AODC June 1991

You will notice one of the magnetic tape reels from the RV Franklin data set comprises of RV Sprightly CTD data and RV Franklin XBT data. This reel is a combination of 2 ANSI standard labelled tapes which were copied onto one tape. So that there is no confusion when trying to read this tape there are in fact two logical tape volumes on the one physical tape. This tape should read OK but may be confusing if you are unaware of the above. I hope this will sort out any problems that you may have had with regards to this matter.

Regards Edwina Tanner/AODC

9,00129

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

Dear Sir/Madam,

Please acknowledge receipt of delivery of the enclosed data.

Received by:	
Name:	FRANCIS J. MITCHELL
Institution:	NOAA / NODC USA
Date:	19 JULY 91
Signature:	Francis J. Mitchell 9100129

The data provided on the magnetic tape is ANSI standard labelled with a blocksize of 8000 bytes. If this format is satisfactory or if you would like data provided to you in some other format in the future could you please indicate this in the section below. Thank you for your comments as we are trying to standardize data exchange procedures at the AODC.

Please tick box to indicate preferred formats:

tar format
(UNIX tape archive)

[]

ANSI format

[X]

other
(specify in space below)

[]

Comments: _____

NON-LABELLED TAPE IS preferred



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: AUSHYDAA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____
Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*
Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St,
North Sydney, N.S.W. 2060
Tel 925 4800
Telex: ALSHYD AA 72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No. 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. Dauth

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St,
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: AUSHYD AA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre 2. Airbill No 867486222
Company Name National Oceanic & Atmospheric Admin Carrier DHL
Street 1825 Connecticut Ave NW No. of Pieces 1
Town/Area Code WASHINGTON D.C. Total Weight 3 Kg
State/Country 20235 UNITED STATES AMERICA Dimensions 28 x 31 x 6 cm
Contact Name MR GREG WITHEE Phone/Telex No. _____

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

10. Harmonised Tariff _____

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P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No. 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*

Position in Company STORES OFFICER

tape was labeled FRANK

```
t - FR8503CTD.DAT: 469 lines (73088 chars) in 38 tape blocks
t - FR8503CTD.DAT: 3757 lines (626541 chars) in 81 tape blocks
t - FR8504CTD.DAT: 10985 lines (2028427 chars) in 261 tape blocks
t - FR8505CTD.DAT: 13188 lines (2366912 chars) in 305 tape blocks
t - FR8506CTD.DAT: 5266 lines (908075 chars) in 117 tape blocks
t - FR8601CTD.DAT: 11822 lines (2135150 chars) in 274 tape blocks
t - FR8602CTD.DAT: 4459 lines (680261 chars) in 89 tape blocks
t - FR8604CTD.DAT: 3302 lines (531441 chars) in 69 tape blocks
t - FR8608CTD.DAT: 1683 lines (204218 chars) in 27 tape blocks
t - FR8609CTD.DAT: 22477 lines (4528443 chars) in 581 tape blocks
t - FR8702CTD.DAT: 1103 lines (115328 chars) in 16 tape blocks
t - FR8703CTD.DAT: 14279 lines (2360353 chars) in 305 tape blocks
t - FR8704CTD.DAT: 19813 lines (3281754 chars) in 423 tape blocks
t - FR8706CTD.DAT: 6853 lines (1056193 chars) in 137 tape blocks
t - FR8707CTD.DAT: 16676 lines (2726616 chars) in 352 tape blocks
t - FR8708CTD.DAT: 1302 lines (172849 chars) in 23 tape blocks
t - FR8709CTD.DAT: 12545 lines (2013096 chars) in 260 tape blocks
t - FR8710CTD.DAT: 12787 lines (1573076 chars) in 207 tape blocks
t - FR8801CTD.DAT: 4492 lines (711020 chars) in 93 tape blocks
t - FR8802CTD.DAT: 2480 lines (238305 chars) in 32 tape blocks
t - FR8803CTD.DAT: 4460 lines (718579 chars) in 93 tape blocks
t - FR8804CTD.DAT: 5131 lines (811669 chars) in 105 tape blocks
t - FR8805CTD.DAT: 19744 lines (3291795 chars) in 424 tape blocks
t - FR8811CTD.DAT: 5699 lines (868435 chars) in 112 tape blocks
read 24 files in 4424 blocks (204772 lines, 34021624 chars)
```

tape was labeled G9DAT

```
t - G98207CTD.DAT: 2204 lines (303608 chars) in 40 tape blocks
t - G98309CTD.DAT: 1063 lines (127083 chars) in 17 tape blocks
t - G98310CTD.DAT: 2762 lines (337613 chars) in 44 tape blocks
t - G98313CTD.DAT: 2971 lines (414379 chars) in 54 tape blocks
t - G98314CTD.DAT: 7609 lines (1137820 chars) in 147 tape blocks
t - G98315CTD.DAT: 13251 lines (2040099 chars) in 264 tape blocks
t - G98316CTD.DAT: 10333 lines (1538230 chars) in 199 tape blocks
t - G98401CTD.DAT: 14952 lines (2309921 chars) in 299 tape blocks
t - G98402CTD.DAT: 13669 lines (2076017 chars) in 269 tape blocks
t - G98403CTD.DAT: 1162 lines (180063 chars) in 24 tape blocks
t - G98405CTD.DAT: 4808 lines (681773 chars) in 89 tape blocks
t - G98406CTD.DAT: 5809 lines (839310 chars) in 109 tape blocks
t - G98407CTD.DAT: 3559 lines (502548 chars) in 66 tape blocks
t - G98407CTD.DAT: 739 lines (59120 chars) in 8 tape blocks
```

tape was labelled FRXBT

```
t - FR8505XBT.DAT: 554 lines (44320 chars) in 6 tape blocks
t - FR8601XBT.DAT: 907 lines (72560 chars) in 10 tape blocks
t - FR8608XBT.DAT: 428 lines (34240 chars) in 5 tape blocks
t - FR8609XBT.DAT: 194 lines (15520 chars) in 3 tape blocks
t - FR8703XBT.DAT: 31 lines (2480 chars) in 1 tape blocks
t - FR8704XBT.DAT: 774 lines (61920 chars) in 9 tape blocks
t - FR8705XBT.DAT: 265 lines (21200 chars) in 3 tape blocks
t - FR8706XBT.DAT: 538 lines (43040 chars) in 6 tape blocks
t - FR8710XBT.DAT: 126 lines (10080 chars) in 2 tape blocks
t - FR8804XBT.DAT: 472 lines (37642 chars) in 5 tape blocks
t - FR8805XBT.DAT: 1098 lines (87564 chars) in 12 tape blocks
t - FR8810XBT.DAT: 75 lines (5982 chars) in 1 tape blocks
read 26 files in 1692 blocks (90353 lines, 12984132 chars)
```

RV Franklin CTD data

Cruise	Filename	Maximum Station No.#	Release date
FR 3/85	FR8503CTD.DAT	54	now
FR 4/85	FR8504CTD.DAT	95	now
FR 5/85	FR8505CTD.DAT	127	now
FR 6/85	FR8506CTD.DAT	59	now
FR 1/86	FR8601CTD.DAT	112	now
FR 2/86	FR8602CTD.DAT	21 ^B	now
FR 4/86	FR8604CTD.DAT	46	now
FR 8/86	FR8608CTD.DAT	31	now
FR 9/86	FR8609CTD.DAT	79	now
FR 2/87	FR8702CTD.DAT	24	now
FR 3/87	FR8703CTD.DAT	81	now
FR 4/87	FR8704CTD.DAT	115	now
FR 6/87	FR8706CTD.DAT	60	now
FR 7/87 ^A	FR8707CTD.DAT	101	now
FR 8/87	FR8708CTD.DAT	18	now
FR 9/87	FR8709CTD.DAT	90	now
FR 10/87	FR8710CTD.DAT	118	now
FR 1/88	FR8801CTD.DAT	11 [§]	now
FR 2/88	FR8802CTD.DAT	63	now
FR 3/88	FR8803CTD.DAT	28	now
FR 4/88	FR8804CTD.DAT	40	now
FR 5/88	FR8805CTD.DAT	104	now
FR 11/88	FR8811CTD.DAT	55	* 01-JUN-1991

1542

[#]There can be gaps in the sequence.

^BIncludes multiple dips, 58 separate files.

[§]Includes multiple dips, 24 separate files.

RV Franklin XBT data

Cruise	File name	Max drop number*	Release date
Fr 4/85	FR8504XBT.DAT	88	now
Fr 5/85	FR8505XBT.DAT	79	now
Fr 1/86	FR8601XBT.DAT	114	now
Fr 8/86	FR8608XBT.DAT	69	now
Fr 9/86	FR8609XBT.DAT	30	now
Fr 3/87	FR8703XBT.DAT	9	now
Fr 4/87	FR8704XBT.DAT	183	now
Fr 5/87	FR8705XBT.DAT	47	now
Fr 6/87	FR8706XBT.DAT	84	now
Fr 10/87	FR8710XBT.DAT	14	now
Fr 4/88	FR8804XBT.DAT	64	now
Fr 5/88	FR8805XBT.DAT	160	now
Fr 10/88	FR8810XBT.DAT	10	now

951

* There can be gaps in the sequence.

RV Sprightly CTD Data

Cruise	Filename	Maximum Station No. [∂]	Release date
Sp 7/82	G98702CTD.DAT	48	now
Sp 9/83	G98309CTD.DAT	19	now
Sp 10/83	G98310CTD.DAT	51	now
Sp 13/83	G98313CTD.DAT	39	now
Sp 14/89	G98314CTD.DAT	77	now
Sp 15/89	G98315CTD.DAT	119	now
Sp 16/89	G98316CTD.DAT	109	now
Sp 1/84	G98401CTD.DAT	32	now
Sp 2/84	G98402CTD.DAT	135	now
Sp 3/84	G98403CTD.DAT	9	now
Sp 5/84	G98405CTD.DAT	61	now
Sp 6/89	G98406CTD.DAT	69	now
Sp 7/89	G98407CTD.DAT	44	now

812

[∂]There can be gaps in the sequence.

RV Franklin XBT data format

All the drops for a cruise are in one file and the format is as follows :

For each drop there is a header record (see example below) and a series of data records.
The header record format is:

```
FRaabbbbccddeeffffghhijjkkkllmnnnn.....oo_pp.ppq_rrr_ss.sst.....98
```

where :

- : ^ denotes a blank
- : FR is the vessel code for RV Franklin
- : aa is the cruise number
- : bbbb is the drop or XBT number
- : cc is the year
- : dd is the month
- : ee is the day
- : ffff is the time (24 hour clock)
- : g is the time zone (= 'Z' - UTC)
- : hh is the whole degrees of latitude
- : ii is the minutes of latitude
- : j is the hemisphere (= 'N' or 'S')
- : kkk is the whole degrees of longitude
- : ll is the minutes of longitude
- : m is the hemisphere (= 'E' or 'W')
- : nnnn is the bottom depth (in metres) if available (blank otherwise)

If a corrected position is available, it is inserted in the header record as follows :

- : oo is the whole degrees of latitude
- : pp.pp is the minutes and hundredth's of minutes of latitude
- : q is the hemisphere (= 'N' or 'S')
- : rrr is the whole degrees of longitude
- : ss.ss is the minutes and hundredth's of minutes of longitude
- : t is the hemisphere (= 'E' or 'W')

otherwise these fields are left blank. If these fields contain a position, this position will be more accurate than the other position in the header, which should be ignored.

After the header record, there are as many data records as are required. The first data record contains the temperatures at 0,5,10,15,...,95 metres. The second record contains the temperatures at 100,105,110,...195 metres, and so on. Blanks indicate that there is no temperature for that depth. (The surface (0 metre) value is left blank because of large surface transients).

The format of the i-th data record is:

```
.....aaabbbcccddeeefffggghhhlljjjkkkllmmnnnooppqqrrrsssttt.....uu
```

where

:	^	denotes a blank
:	aaa	is 10 times the temperature at (i-1)X100 metres
:	bbb	is 10 times the temperature at (i-1)X100+5 metres
:	ccc	is 10 times the temperature at (i-1)X100+10 metres
:	.	
:	.	
:	.	
:	ttt	is 10 times the temperature at (i-1)X100-5 metres
:	u	= i+2

(The FORTRAN format to read this is (10X,20I3,8X,I2).)

Thus in the first example below (drop number 24 from cruise Fr 4/87, at 17:37 on the 16th of March, 1987), the temperature at 5 metres is 22.9°C, the temperature at 100 metres is 18.4°C, and at 105 metres it is 18.1°C. The deepest temperature (5.8°C) is at 760 metres.

Sample of XBT data :

```
FR0400248703161737Z2900S11235E4000      29 00.43S  112 35.89E      98
      229230229229229229229227225221219210206202199197192189187      3
      184181179178176174172168167166164163162161159157154152151149      4
      148146144143142139138137135134132131130129128127126125123122      5
      120119117116114113113112111110109108107106106105104103103103      6
      102101101101101100100 99 99 98 98 98 97 97 96 96 95 95 95 95      7
      94 94 94 94 93 93 93 92 92 91 91 90 90 90 90 89 89 89 88 88      8
      87 87 86 86 85 84 84 82 82 82 81 80 79 78 77 76 74 74 73 72      9
      71 70 69 68 66 66 65 64 62 61 60 59 58      10
FR0400258703170053Z2828S11217E3600      28 28.32S  112 15.94E      98
      234234238238239239239239238233228224219216212208205202200      3
      197194192190188186184182181179179177176173171170169168166165      4
      163162160159157156156153152151149148146143142141139137134132      5
      131127124122118114111108104103100100 99 99 97 96 95 94 94 94      6
      94 93 92 91 91 91 91 90 90 90 89 88 88 86 86 84 83 83 82 81      7
      80 80 79 78 77 77 76 76 76 74 73 72 71 71 70 68 67 67 65 65      8
      64 63 62 61 61 60 59 58 57 57 56 55 55 55 54 54 54 53 53 53      9
      53 52 52 51 51 51 51 50 50 49 49 49 48      10
```

Fmt_no. FORMAT(4(F7.0,2F7.3,I7,2F6.3))

The first record of profile data written is the first record with data in it, so the depth of this record can vary from station to station

[illegible]

192189188185183180177174172170167166163161159158155154150148	5
1461451431391381361331301281271261241211201171141121107105	6
102102 99 97 95 94 93 92 91 90 89 88 87 86 85 85 84 83 81 81	7
81 79 79 78 76 76 75 75 75 73 72 71 70 70 68 68 67 66 66 66	8
65 65 64 64 64 63 62 62 62 61 60 60 60 59 59 58 57 57 57 56	9
56 56 56 55 55 54 54 54 54 53 53 53	10
FR0500098510032030Z1023514808E	98
239239238238238238238236236236235234234232231230229228	3
22722723223221219217209207205204203202198197196195192190183	4
180178176174172166166165165163161155154154154154153152150147	5
146142139134131129129129129129128128128128128128127124124	6
119114112112112112111105 99 98 97 96 94 93 92 91 90 88 86 86	7
86 85 85 84 83 82 81 81 79 79 78 77 77 77 77 76 76 74 73 72	8
71 70 69 69 69 68 68 67 67 67 66 65 64 64 64 63 63 63 63	9
62 62 62 61 61 61 60 59 58 58 55 55	10

XBT notes

The system on Franklin is subject to high surface transients. As a result, we make no attempt to calculate a surface value - the first value for most drops is the temperature at 5 metres.

In addition, the stern (thru-hull) launcher is poorly placed, and XBT's launched through it are more than usually subject to wire stretch. Since the first few cruises, the stern launcher has only been used occasionally. For the first three cruises (Fr 4/85, 5/85 and 1/86), the stern launcher was used for most of the drops, and many of them have some signs of wire stretch, but the 'bulging' which is characteristic of this problem was not enough to reject the drops.

Bottom depths have not been checked against sounder traces, but have been checked for plausibility and, where possible, against the digital sounder data.

All probes were T-7's, except where noted

Some specific comments follow :

<u>Cruise</u>	<u>Comments</u>
Fr 4/88	the digitising was not working well on the sounder, so all the bottom depths look very 'round', as they were read from the paper trace.
Fr 5/88	four different types of probes were used : T-10 for drops 3-7, 155-160 T-5 for drops 50-53, 67-69, 95-98, 100 and 104-105 T-4 for drop 154 T-7 for all other drops There seems to be some calibration problem between the different types of probes (see drops 65 through 71) The comments about the sounder depths for FR 4/88 also apply.
Fr 10/89	a number of odd looking features were confirmed by nearby CTD stations
Fr 13/89	as the cruise was looking for and passing in and out of eddies the temperature structure often varies substantially between adjacent drops.

Processed CTD data format

There is one file for an entire cruise. File names are in the format of VVYYCCCTD.DAT, where VV is the Vessel code (G9= RV Sprightly and FR = RV Franklin), YY is the year of the cruise and CC is the cruise number within that year. Each file consists of a CRUISE HEADER section, which has a station listing and processing notes included and a DETAILS SECTION for each station. All dates and times are UTC and South latitude is negative. Each station has information in its individual DETAILS SECTION as to which variables have been included for the station and the field widths of the data for each variable within each data cycle or depth and the number of data cycles within each station.

An example Cruise Header and Station Header is:

```
1111111111111111111111111111 START CRUISE HEADER 111111111111111111111111
```

VESEL CODE = FR YEAR = 85 CRUISE IDENTIFIER = 05

VESSEL NAME - R.V. FRANKLIN

START DATE OF CRUISE = 01-OCT-85

END DATE OF CRUISE = 05-NOV-85

CRUISE LEADER = Dr. M.J. Furnas

DATA PROCESSED BY = D.J.Vaudrey

DATE ARCHIVED = 11-MAY-87

MINIMUM LATITUDE IN DATA = -20.985

MAXIMUM LATITUDE IN DATA = -9.895

MINIMUM LONGITUDE IN DATA = 145.020

MAXIMUM LONGITUDE IN DATA - 166.407

MAXIMUM SAMPLE PRESSURE IN DATA = 4788

ARCHIVE PROGRAM VERSION NUMBER = 0

22222222222222222222 CRUISE COMMENTS 22222222222222222222

1	0445	1-OCT-85	16:47.70S	146:07.09E	49	46
---	------	----------	-----------	------------	----	----

```
| 2 | 0719 1-OCT-85 16:37.40S 146:16.00E 100 | 90 |
```

3	1928	1-OCT-85	14:53.80S	146:26.36E	1899	1502
---	------	----------	-----------	------------	------	------

...A full station listing detailing station number, time and date (UTC) bottom depth and maximum cast pressure...

CTD Processing Notes:

D.J.Vaudrey and N.J.White:

Fr0585:

General:

Data Quality was poor to fair. Many problems were encountered with Unit 1 as previously discovered during Fr0485. Too few samples were collected

22222222222222222222 CRUISE COMMENTS 22222222222222222222

7777777777777777 END OF STATION HEADER 7777777777777777

04w										
4.	24.164	35.223	6.	24.164	35.223	8.	24.166	35.223	10.	24.
20.	24.177	35.223	22.	24.177	35.223	24.	24.176	35.223	26.	24.
36.	24.179	35.224	38.	24.179	35.223	40.	24.180	35.223	42.	24.
52.	24.182	35.224	54.	24.183	35.224	56.	24.184	35.224	58.	24.
68.	24.185	35.223	70.	24.185	35.223	72.	24.186	35.224	74.	24.
84.	24.187	35.226	86.	24.188	35.226	88.	24.188	35.226	90.	24.
100.	23.884	35.620	102.	23.670	35.664	104.	23.626	35.667	106.	23.
116.	22.752	35.712	118.	22.644	35.718	120.	22.601	35.718	122.	23.
132.	22.050	35.734	134.	22.045	35.734	136.	21.971	35.732	138.	21.
148.	21.457	35.736	150.	21.349	35.735	152.	21.193	35.735	154.	21.
164.	20.925	35.733	166.	20.901	35.732	168.	20.785	35.730	170.	20.
180.	20.354	35.718	182.	20.334	35.717	184.	20.323	35.716	186.	20.
196.	20.266	35.716	198.	20.259	35.715	200.	20.246	35.715	202.	20.
212.	20.118	35.709	214.	20.090	35.707	216.	19.993	35.701	218.	19.
228.	19.612	35.677	230.	19.543	35.672	232.	19.486	35.667	234.	19.
244.	19.220	35.644	246.	19.199	35.643	248.	19.127	35.638	250.	19.
260.	18.559	35.593	262.	18.372	35.577	264.	18.277	35.569	266.	18.
276.	17.961	35.542	278.	17.893	35.537	280.	17.810	35.531	282.	17.

292.	17.413	35.494	294.	17.407	35.493	296.	17.341	35.488	298.	17.335
308.	16.981	35.453	310.	16.938	35.448	312.	16.857	35.442	314.	16.851
324.	16.579	35.413	326.	16.449	35.401	328.	16.273	35.385	330.	16.273
340.	15.841	35.361	342.	15.822	35.360	344.	15.802	35.360	346.	15.802
356.	15.400	35.306	358.	15.355	35.302	360.	15.254	35.291	362.	15.254
372.	14.908	35.260	374.	14.825	35.251	376.	14.683	35.239	378.	14.683
388.	14.213	35.189	390.	14.141	35.181	392.	14.105	35.178	394.	14.105
404.	13.830	35.150	406.	13.789	35.147	408.	13.727	35.142	410.	13.727
420.	13.358	35.103	422.	13.341	35.101	424.	13.307	35.098	426.	13.307
436.	12.873	35.053	438.	12.748	35.044	440.	12.674	35.034	442.	12.674
452.	12.307	35.001	454.	12.259	34.996	456.	12.196	34.990	458.	12.196
468.	11.879	34.963	470.	11.827	34.957	472.	11.742	34.950	474.	11.742
484.	11.278	34.900	486.	11.209	34.894	488.	11.165	34.889	490.	11.165
500.	11.063	34.878	502.	10.996	34.871	504.	10.949	34.865	506.	10.949
516.	10.620	34.831	518.	10.610	34.830	520.	10.578	34.827	522.	10.578
532.	10.297	34.798	534.	10.287	34.796	536.	10.278	34.795	538.	10.278
548.	10.138	34.783	550.	10.123	34.781	552.	10.118	34.780	554.	10.118
564.	9.912	34.761	566.	9.876	34.759	568.	9.871	34.756	570.	9.871
580.	9.691	34.740	582.	9.683	34.738	584.	9.662	34.736	586.	9.662
596.	9.414	34.715	598.	9.330	34.708	600.	9.323	34.702	602.	9.323
612.	8.875	34.656	614.	8.830	34.650	616.	8.807	34.651	618.	8.807
628.	8.458	34.615	630.	8.454	34.614	632.	8.436	34.613	634.	8.436
644.	8.110	34.585	646.	8.001	34.579	648.	7.946	34.567	650.	7.946
660.	7.826	34.560	662.	7.819	34.559	664.	7.806	34.558	666.	7.806
676.	7.742	34.554	678.	7.711	34.553	680.	7.713	34.550	682.	7.713
692.	7.509	34.535	694.	7.476	34.534	696.	7.461	34.531	698.	7.461
708.	7.278	34.519	710.	7.265	34.518	712.	7.265	34.517	714.	7.265
724.	7.094	34.505	726.	7.068	34.505	728.	7.068	34.503	730.	7.068
740.	6.887	34.494	742.	6.885	34.493	744.	6.882	34.493	746.	6.882
756.	6.717	34.484	758.	6.696	34.483	760.	6.625	34.479	762.	6.625
772.	6.352	34.468	774.	6.342	34.468	776.	6.326	34.467	778.	6.326
788.	6.203	34.461	790.	6.194	34.462	792.	6.171	34.462	794.	6.171
804.	6.121	34.460	806.	6.118	34.460	808.	6.109	34.460	810.	6.109
820.	5.998	34.458	822.	5.998	34.458	824.	5.994	34.457	826.	5.994
836.	5.949	34.457	838.	5.925	34.459	840.	5.884	34.458	842.	5.884
852.	5.809	34.458	854.	5.804	34.458	856.	5.776	34.460	858.	5.776
868.	5.741	34.459	870.	5.739	34.459	872.	5.739	34.459	874.	5.7

```

10W
44444444444444444444 START STATION HEADER 44444444444444444444
VESSEL CODE = FR YEAR = 85 CRUISE ID = 03 STATION ID = 000004 DIP # = 01
START DATE - TIME =
BOTTOM DATE - TIME = 19-JUN-85 20:31:00
END DATE - TIME =
START POSITION = -20 26.130153 00.440
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM = 524
MAXIMUM SAMPLE PRESSURE = 506
NUMBER OF VARIABLES PER DATA CYCLE = 3

```

2.	24.275	35.126	4.	24.275	35.126	6.	24.273	35.126	8.	24.273	35.126
18.	24.275	35.126	20.	24.277	35.126	22.	24.276	35.125	24.	24.276	35.125
34.	24.307	35.154	36.	24.305	35.161	38.	24.301	35.167	40.	24.301	35.167
50.	24.259	35.214	52.	24.258	35.217	54.	24.257	35.219	56.	24.257	35.219
66.	24.266	35.236	68.	24.261	35.235	70.	24.257	35.235	72.	24.257	35.235
82.	24.285	35.263	84.	24.279	35.267	86.	24.303	35.304	88.	24.303	35.304
98.	23.820	35.621	100.	23.530	35.670	102.	23.371	35.682	104.	23.371	35.682
114.	22.988	35.702	116.	22.954	35.704	118.	22.889	35.706	120.	22.889	35.706
130.	22.751	35.711	132.	22.687	35.708	134.	22.538	35.711	136.	22.538	35.711
146.	22.088	35.728	148.	22.077	35.728	150.	22.061	35.729	152.	22.061	35.729
162.	21.617	35.734	164.	21.490	35.735	166.	21.394	35.732	168.	21.394	35.732
178.	21.132	35.733	180.	21.128	35.733	182.	21.042	35.733	184.	21.042	35.733
194.	20.790	35.730	196.	20.715	35.727	198.	20.668	35.727	200.	20.668	35.727
210.	20.204	35.710	212.	20.180	35.709	214.	20.158	35.708	216.	20.158	35.708
226.	19.888	35.690	228.	19.870	35.691	230.	19.840	35.688	232.	19.840	35.688
242.	19.275	35.647	244.	19.222	35.646	246.	19.172	35.642	248.	19.172	35.642
258.	18.665	35.607	260.	18.596	35.600	262.	18.535	35.590	264.	18.535	35.590
274.	18.050	35.550	276.	17.988	35.545	278.	17.937	35.539	280.	17.937	35.539
290.	17.445	35.492	292.	17.360	35.488	294.	17.271	35.481	296.	17.271	35.481
306.	16.859	35.440	308.	16.793	35.434	310.	16.744	35.428	312.	16.744	35.428
322.	16.443	35.398	324.	16.362	35.388	326.	16.237	35.378	328.	16.237	35.378
338.	15.621	35.312	340.	15.436	35.298	342.	15.173	35.273	344.	15.173	35.273
354.	14.488	35.199	356.	14.427	35.190	358.	14.300	35.184	360.	14.300	35.184
370.	14.078	35.158	372.	14.056	35.154	374.	13.970	35.148	376.	13.970	35.148
386.	13.472	35.101	388.	13.318	35.087	390.	13.296	35.083	392.	13.296	35.083
402.	12.946	35.054	404.	12.869	35.048	406.	12.781	35.036	408.	12.781	35.036
418.	12.291	34.987	420.	12.247	34.982	422.	12.105	34.973	424.	12.105	34.973
434.	11.537	34.916	436.	11.503	34.913	438.	11.472	34.910	440.	11.472	34.910
450.	11.014	34.867	452.	10.948	34.862	454.	10.889	34.856	456.	10.889	34.856
466.	10.517	34.818	468.	10.483	34.814	470.	10.479	34.814	472.	10.479	34.814
482.	10.181	34.784	484.	10.168	34.784	486.	10.156	34.783	488.	10.156	34.783
498.	10.046	34.774	500.	10.033	34.771	502.	10.030	34.770	504.	10.030	34.770

Number of stations : 29 (numbered 19 through 48)

33333333333333333333 END OF CRUISE HEADER 33333333333333333333

VESSEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000019 DIP # = 01

START DATE - TIME = 08-JUL-82 00:39:00

START DATE - TIME =
BOTTOM DATE - TIME =

END DATE - TIME =

START POSITION = -38.55 0142 13 0

START POSITION =
BOTTOM POSITION =

BOTTOM POSITION =
END POSITION =

DEPTH TO BOTTOM =

MAXIMUM SAMPLE PRESSURE = 192

NUMBER OF VARIABLES PER DATA CYCLE = 6

NUMBER OF DATA CYCLES ON STATION = 91

DATE STATION ARCHIVED = 16-AUG-88 CTD INSTRUMENT NUMBER = 0

ARCHIVE PROGRAM VERSION NUMBER = 0

[illegible]

VAR = 01 NAME AND UNITS = PRESSURE (db) FIELD WIDTH = 7

VAR = 03 NAME AND UNITS = TEMPERATURE (DEGREES C) FIELD WIDTH = 7

VAR = 05 NAME AND UNITS = SALINITY (PSU) FIELD WIDTH = 7

VAR = 54 NAME AND UNITS = NO. OBS. PRESSURE FIELD WIDTH = 7

VAR = 54 NAME AND UNITS = NO. OBS. PRESSURE	FIELD WIDTH = 7
VAR = 51 NAME AND UNITS = S.D. OF TEMPERATURE	FIELD WIDTH = 6

VAR = 53 NAME AND UNITS = S.D. CONDUCTIVITY FIELD WIDTH = 6

[illegible]

77777777777777777777 END OF STATION HEADER 777777777777777777

04x

12.	13.829	35.303	47	0.001	0.000	14.	13.829	35.303	46	0.001
20.	13.827	35.302	61	0.002	0.002	22.	13.827	35.302	51	0.002
28.	13.824	35.301	54	0.004	0.005	30.	13.811	35.298	57	0.006
36.	13.809	35.297	52	0.011	0.014	38.	13.823	35.302	45	0.008
44.	13.788	35.292	78	0.002	0.002	46.	13.773	35.289	50	0.006
52.	13.744	35.283	59	0.012	0.014	54.	13.701	35.275	50	0.010
60.	13.677	35.272	46	0.002	0.002	62.	13.692	35.274	54	0.012
68.	13.693	35.276	43	0.004	0.003	70.	13.692	35.276	54	0.002
76.	13.686	35.273	42	0.002	0.002	78.	13.681	35.273	38	0.004
84.	13.674	35.272	68	0.002	0.002	86.	13.671	35.271	47	0.004
92.	13.665	35.269	41	0.002	0.001	94.	13.666	35.270	41	0.001
100.	13.642	35.264	56	0.004	0.005	102.	13.628	35.260	40	0.005
108.	13.608	35.256	55	0.003	0.003	110.	13.604	35.254	52	0.002
116.	13.588	35.251	71	0.001	0.001	118.	13.586	35.250	76	0.003
124.	13.527	35.236	33	0.007	0.007	126.	13.521	35.234	37	0.001
132.	13.516	35.233	40	0.007	0.007	134.	13.498	35.230	35	0.008
140.	14.717	35.593	56	0.116	0.142	142.	14.779	35.613	68	0.017
148.	14.835	35.622	43	0.022	0.024	150.	14.790	35.612	66	0.012
156.	14.981	35.668	49	0.018	0.013	158.	14.984	35.672	66	0.002
164.	14.980	35.670	46	0.001	0.001	166.	14.987	35.672	38	0.004
172.	15.007	35.678	61	0.005	0.006	174.	15.016	35.681	60	0.003
180.	15.004	35.677	45	0.010	0.013	182.	15.012	35.680	53	0.001
188.	15.010	35.679	65	0.001	0.001	190.	15.011	35.678	51	0.001

10w

[illegible]

VESSEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000020 DIP # = 01

START DATE - TIME = 08-JUL-82 02:08:00

Stat No.	Time	Date	BOTTOM			Cast Depth
			Latitude	Longitude	Bot Depth	
19	1439	8-JUL-82	38:55	S 142:13	E	193
20	1607	8-JUL-82	38:50	S 142:16	E	107
21	1815	8-JUL-82	38:36	S 142:26	E	57
22	2300	8-JUL-82	38:33	S 141:37	E	107
23	0046	9-JUL-82	38:46	S 141:36	E	243
24	1546	8-JUL-82	38:49	S 141:36	E	499
25	0237	9-JUL-82	38:50	S 141:38	E	953
26	0103	10-JUL-82	41:25	S 144:20	E	503
27	0616	10-JUL-82	41:58	S 144:35	E	503
28	1222	10-JUL-82	42:34	S 144:51	E	403
29	1756	10-JUL-82	43:07	S 145:11	E	505
30	0024	11-JUL-82	43:43	S 145:53	E	301
31	1218	11-JUL-82	43:18	S 148:13	E	463
32	1756	11-JUL-82	42:36	S 148:30	E	1003
33	1931	11-JUL-82	42:34	S 148:28	E	477
35	2243	11-JUL-82	42:32	S 148:10	E	55
36	0624	12-JUL-82	41:53	S 148:36	E	205
37	0731	12-JUL-82	41:53	S 148:37	E	463
38	1503	12-JUL-82	41:00	S 148:41	E	227
39	1611	12-JUL-82	41:00	S 146:43	E	505
40	2126	12-JUL-82	40:26	S 148:55	E	509
41	2243	12-JUL-82	40:25	S 148:52	E	185
42	0626	14-JUL-82	37:04	S 150:22	E	503
43	1211	14-JUL-82	36:26	S 150:21	E	505
44	1818	14-JUL-82	37:03	S 150:00	E	427
45	0533	15-JUL-82	37:37	S 150:18	E	509
46	1541	17-JUL-82	34:21	S 151:25	E	513
47	2250	17-JUL-82	35:05	S 151:05	E	499
48	0518	18-JUL-82	35:44	S 150:38	E	501

Cruise : Sp 7/82
Start date : 05-JUL-1982
End date : 19-JUL-1982
Project : Aurorex leg V
Data processed : July 1985

10W

10W

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100129	099018	C022		0910	09SY	TV5999	07/08/82	07/18/82	29	1,167
9100129	099019	C022		0910	09SY	TV6000	05/16/83	05/22/83	19	452
9100129	099020	C022		0910	09SY	TW0373	06/13/83	06/19/83	49	1,217
9100129	099021	C022		0910	09SY	TW0374	09/07/83	09/22/83	38	1,598
9100129	099022	C022		0910	09SY	TW0375	10/13/83	10/24/83	77	4,539
9100129	099023	C022		0910	09SY	TW0376	11/08/83	11/21/83	118	8,243
9100129	099024	C022		0910	09SY	TW0377	12/07/83	12/21/83	107	6,137
9100129	099025	C022		0910	09SY	TW0379	02/09/84	02/22/84	130	8,342
9100129	099026	C022		0910	09SY	TW0380	03/11/84	03/11/84	4	467
9100129	099027	C022		0910	09SY	TW0381	03/24/84	03/25/84	5	259
9100129	099028	C022		0910	09SY	TW0382	07/08/84	07/09/84	6	226
9100129	099029	C022		0910	09SY	TW0383	05/04/83	05/04/83	1	4
9100129	099030	C022		0910	09SY	TW0384	07/09/84	07/17/84	52	2,430
9100129	099031	C022		0910	09SY	TW0385	08/03/84	08/15/84	67	3,296
9100129	099032	C022		0910	09SY	TW0386	09/02/84	09/14/84	43	1,954
9100129	099033	C022		0910	09SY	TW0378	01/09/84	01/23/84	131	9,352

410012
9100129

FILETYPE C022

TRACK N

PROCESSED
IDENTIFICATION

[TVS999-6000; TW0373-386]

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRCL	BLK	SIZE	NO. RECORD
	07/24/91	CCA	A01469 SL tape	72	8000	8000		4617
PE	07/30/91		W01244 NL tape	24				1617
TAPE	07/24/91		A01420 ** SL tape	78	26			1902
DISK	07/30/91	✓	W01536 ** NL tape	26	✓	✓		1902
CK	9-30-91	R.P.S.	W05874 ***					
CK								
22								
HALIZED								

IN 50 TO PRINCIPAL INVESTIGATOR

Tapes W01244 and W01536 are 9 TRK, NL,
6250 bpi, Ascii.

*** FILES 1-13 ONLY

*** LABEL: DNODC * AUSSIECTDOUT.

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

TRACKS DELETED, FIELDS DELETED, ETC.)

Job Name: U.S. Navy Phone # 606-4636 Org/Desk 061003N3AA9 Submit Date 07/29/91 Job # 4540

PART A

Request/Problem Category

- ☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Customer Operation
☐ Other: None

1. Operator Request:

copy tape A01469 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: 401469(052562)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☒ SL
MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

ID#/Filename: W01244

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
Record Length: 8000 MAX Blocksize: 8000

(VAX Use Only)

Job Number: 91073041

Completed By: G.A.

Date/Time Start: 7-30-91/08:30

Date/Time Completed: 7-30-91/08:45

Job Name: Chf. Hartley Phone # 661-4656 Original: EG120003441 Date: 07/29/91 User: ASAP

PART A

Test/Problem Category

☐ General Info ☐ Communications ☐ Equipment ☐ Supplies
☐ Software ☐ Tape Library ☒ Computer Operations
☐ Other: _____

Please Copy tape A01470 to a W tape.
Scan W Tape.

PART B (For Operator Job Requests)

Operator Job Request Type

☐ Run BRBUOY procedure Name: _____ ☐ See attached list
☐ Run SELEBUOY 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: A01470(D02982)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 500 ☐ 1600 ☒ 6250 ☐ SL
MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

Id#/Filename: W01536

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
Tape Specs: ☐ 500 ☐ 1600 ☒ 6250 ☐ SL
Record Length: 8000 MAX Blocksize: 8000

PCB Use Only)

Job Number: 91079002 g.s.

Completed By:

Date/Time Start: 7-30-91/08:50

Date/Time Completed: 7-30-91/09:05

User Name <i>CLY Hadley</i>	Phone # <i>673-5436</i>	Org/Task <i>CGO-00843449</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
--------------------------------	----------------------------	---------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape A01469

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|---|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print | <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | |
| All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape A01469 to Bin 09

JOB INPUT

Id#/Filename: *A01469*

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

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

Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 8000 ☐ 10000

MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

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

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

Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ 8000 ☐ 10000

MAX Record Length: _____ MAX Blocksize: _____

(CCS Use Only)

JOB Number: *91072403 J.D*

Completed By: _____

Date/Time Start: *7-24-91/07:45*

Date/Time Completed: *7-24-91/09:15*

User Name <i>W. H. Haddley</i>	Phone # <i>656-4136</i>	Org/Task <i>CG12008A3449</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
-----------------------------------	----------------------------	---------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape AD 1470

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|---|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print | <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | |
| All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape AD 1470 to Bin 09

JOB INPUT

Id#/Filename: *AD 1470*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(CC3 Use Only)

JOB Number: *9107240492*
 Completed By: *GA*

Date/Time Start: *7-24-91/10:00*
 Date/Time Completed: *7-24-91/10:15*

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

AODC 80/91
43/3

5 July 1991

9900129

Mr Greg Withee
National Oceanographic Data Center
National Oceanic and Atmospheric Administration
Washington, D.C. 20235
U.S.A.

Dear Greg,

Please find enclosed two magnetic tapes and associated documentation for inclusion in the NODC data files. This data set is also to be made available to WDC-A.

One of the enclosed tapes contains CTD data from the Research Vessel Franklin, and the other reel contains CTD data from RV Sprightly and XBT data from RV Franklin. This data set was processed and made available to us by Dr Neil White, the RV Franklin data manager at the CSIRO Division of Oceanography in Hobart Tasmania. Both magnetic tapes are 6350 bpi, ANSI standard labelled, with blocksize of 8000 bytes.

Also included are a copy of the XBT and CTD data formats which are the same for both RV Franklin and RV Sprightly data. I trust that you will find this data set a welcome addition to your data banks as we have at the Australian Oceanographic Data Centre.

I hope that things are still continuing to develop at NODC. GTSP appears to be getting firmly established. This project has certainly taken off. I was a little disappointed that I could not make it to the meeting in Obninsk but I am sure that the birth of our first baby will more than make up for this.

I would be interested to hear how your new database machine is working out. We are still developing our system and it is looking very promising at this stage. We are about to buy some more hardware shortly which will enable AODC to use some of the database facilities. The software is expected to be completed in early 1992. It's taken a while but it will be an extremely powerful and flexible system when it is finished.

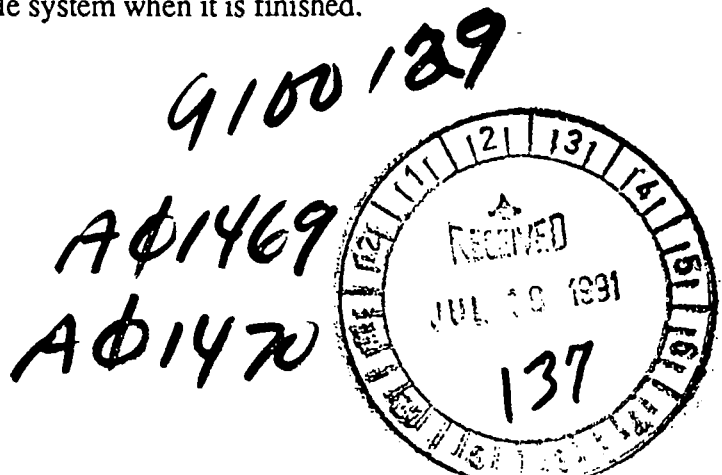
Regards to everybody at NODC

Ben Searle

Ben Searle

Enclosed:

Two 6250 bpi magnetic tapes
List of cruises
Format guide for the XBT data
Format Guide for the CTD data
Acknowledgement mailing form



7/22/91

Edwina

Posted: Mon, Jul 22, 1991 12:08 AM EDT

Msg: HGJB-4832-2838

From: B.SEARLE

To: NODC.WDCA

G.WITHEE

Update notice about RV Franklin data set sent from AODC June 1991

You will notice one of the magnetic tape reels from the RV Franklin data set comprises of RV Sprightly CTD data and RV Franklin XBT data. This reel is a combination of 2 ANSI standard labelled tapes which were copied onto one tape. So that there is no confusion when trying to read this tape there are in fact two logical tape volumes on the one physical tape. This tape should read OK but may be confusing if you are unaware of the above. I hope this will sort out any problems that you may have had with regards to this matter.

Regards Edwina Tanner/AODC

9100139

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

Dear Sir/Madam,

Please acknowledge receipt of delivery of the enclosed data.

Received by:	
Name:	FRANCIS J. MITCHELL
Institution:	NOAA / NODC USA
Date:	19 JULY 91
Signature:	Francis J. Mitchell 9100129

The data provided on the magnetic tape is ANSI standard labelled with a blocksize of 8000 bytes. If this format is satisfactory or if you would like data provided to you in some other format in the future could you please indicate this in the section below. Thank you for your comments as we are trying to standardize data exchange procedures at the AODC.

Please tick box to indicate preferred formats:

tar format
(UNIX tape archive)

[]

ANSI format

[X]

other
(specify in space below)

[]

Comments: _____

NON-LABELLED TAPE IS preferred



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel. 925 4500
Telex: AUSHYD AA 72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St,
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: AUSHYD AA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

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Company Name National Oceanic & Atmospheric Admin
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Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
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Carrier DHL
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Total Weight 3 Kg
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3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
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~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. Dauth

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: ALSHYD AA72669
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1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No. 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. DAUTH*

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

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161 Walker St,
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Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

10. Harmonised Tariff

11. Authorisation

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature B. Dauth

Position in Company STORES OFFICER

tape was labeled FRANK

t - FR8503CTD.DAT: 469 lines (73088 chars) in 38 tape blocks
t - FR8503CTD.DAT: 3757 lines (626541 chars) in 81 tape blocks
t - FR8504CTD.DAT: 10985 lines (2028427 chars) in 261 tape blocks
t - FR8505CTD.DAT: 13188 lines (2366912 chars) in 305 tape blocks
t - FR8506CTD.DAT: 5266 lines (908075 chars) in 117 tape blocks
t - FR8601CTD.DAT: 11822 lines (2135150 chars) in 274 tape blocks
t - FR8602CTD.DAT: 4459 lines (680261 chars) in 89 tape blocks
t - FR8604CTD.DAT: 3302 lines (531441 chars) in 69 tape blocks
t - FR8608CTD.DAT: 1683 lines (204218 chars) in 27 tape blocks
t - FR8609CTD.DAT: 22477 lines (4528443 chars) in 581 tape blocks
t - FR8702CTD.DAT: 1103 lines (115328 chars) in 16 tape blocks
t - FR8703CTD.DAT: 14279 lines (2360353 chars) in 305 tape blocks
t - FR8704CTD.DAT: 19813 lines (3281754 chars) in 423 tape blocks
t - FR8706CTD.DAT: 6853 lines (1056193 chars) in 137 tape blocks
t - FR8707CTD.DAT: 16676 lines (2726616 chars) in 352 tape blocks
t - FR8708CTD.DAT: 1302 lines (172849 chars) in 23 tape blocks
t - FR8709CTD.DAT: 12545 lines (2013096 chars) in 260 tape blocks
t - FR8710CTD.DAT: 12787 lines (1573076 chars) in 207 tape blocks
t - FR8801CTD.DAT: 4492 lines (711020 chars) in 93 tape blocks
t - FR8802CTD.DAT: 2480 lines (238305 chars) in 32 tape blocks
t - FR8803CTD.DAT: 4460 lines (718579 chars) in 93 tape blocks
t - FR8804CTD.DAT: 5131 lines (811669 chars) in 105 tape blocks
t - FR8805CTD.DAT: 19744 lines (3291795 chars) in 424 tape blocks
t - FR8811CTD.DAT: 5699 lines (868435 chars) in 112 tape blocks
read 24 files in 4424 blocks (204772 lines, 34021624 chars)

tape was labeled G9DAT

t - G98207CTD.DAT: 2204 lines (303608 chars) in 40 tape blocks
t - G98309CTD.DAT: 1063 lines (127083 chars) in 17 tape blocks
t - G98310CTD.DAT: 2762 lines (337613 chars) in 44 tape blocks
t - G98313CTD.DAT: 2971 lines (414379 chars) in 54 tape blocks
t - G98314CTD.DAT: 7609 lines (1137820 chars) in 147 tape blocks
t - G98315CTD.DAT: 13251 lines (2040099 chars) in 264 tape blocks
t - G98316CTD.DAT: 10333 lines (1538230 chars) in 199 tape blocks
t - G98401CTD.DAT: 14952 lines (2309921 chars) in 299 tape blocks
t - G98402CTD.DAT: 13669 lines (2076017 chars) in 269 tape blocks
t - G98403CTD.DAT: 1162 lines (180063 chars) in 24 tape blocks
t - G98405CTD.DAT: 4808 lines (681773 chars) in 89 tape blocks
t - G98406CTD.DAT: 5809 lines (839310 chars) in 109 tape blocks
t - G98407CTD.DAT: 3559 lines (502548 chars) in 66 tape blocks
t - G98407CTD.DAT: 739 lines (59120 chars) in 8 tape blocks

tape was labelled FRXBT

t - FR8505XBT.DAT: 554 lines (44320 chars) in 6 tape blocks
t - FR8601XBT.DAT: 907 lines (72560 chars) in 10 tape blocks
t - FR8608XBT.DAT: 428 lines (34240 chars) in 5 tape blocks
t - FR8609XBT.DAT: 194 lines (15520 chars) in 3 tape blocks
t - FR8703XBT.DAT: 31 lines (2480 chars) in 1 tape blocks
t - FR8704XBT.DAT: 774 lines (61920 chars) in 9 tape blocks
t - FR8705XBT.DAT: 265 lines (21200 chars) in 3 tape blocks
t - FR8706XBT.DAT: 538 lines (43040 chars) in 6 tape blocks
t - FR8710XBT.DAT: 126 lines (10080 chars) in 2 tape blocks
t - FR8804XBT.DAT: 472 lines (37642 chars) in 5 tape blocks
t - FR8805XBT.DAT: 1098 lines (87564 chars) in 12 tape blocks
t - FR8810XBT.DAT: 75 lines (5982 chars) in 1 tape blocks
read 26 files in 1692 blocks (90353 lines, 12984132 chars)

RV Franklin CTD data

Cruise	Filename	Maximum Station No.#	Release date
FR 3/85	FR8503CTD.DAT	54	now
FR 4/85	FR8504CTD.DAT	95	now
FR 5/85	FR8505CTD.DAT	127	now
FR 6/85	FR8506CTD.DAT	59	now
FR 1/86	FR8601CTD.DAT	112	now
FR 2/86	FR8602CTD.DAT	21 ^B	now
FR 4/86	FR8604CTD.DAT	46	now
FR 8/86	FR8608CTD.DAT	31	now
FR 9/86	FR8609CTD.DAT	79	now
FR 2/87	FR8702CTD.DAT	24	now
FR 3/87	FR8703CTD.DAT	81	now
FR 4/87	FR8704CTD.DAT	115	now
FR 6/87	FR8706CTD.DAT	60	now
FR 7/87 ^A	FR8707CTD.DAT	101	now
FR 8/87	FR8708CTD.DAT	18	now
FR 9/87	FR8709CTD.DAT	90	now
FR 10/87	FR8710CTD.DAT	118	now
FR 1/88	FR8801CTD.DAT	11 [§]	now
FR 2/88	FR8802CTD.DAT	63	now
FR 3/88	FR8803CTD.DAT	28	now
FR 4/88	FR8804CTD.DAT	40	now
FR 5/88	FR8805CTD.DAT	104	now
FR 11/88	FR8811CTD.DAT	55	* 01-JUN-1991

1542

[#]There can be gaps in the sequence.

^BIncludes multiple dips, 58 separate files.

[§]Includes multiple dips, 24 separate files.

RV Franklin XBT data

Cruise	File name	Max drop number*	Release date
Fr 4/85	FR8504XBT.DAT	88	now
Fr 5/85	FR8505XBT.DAT	79	now
Fr 1/86	FR8601XBT.DAT	114	now
Fr 8/86	FR8608XBT.DAT	69	now
Fr 9/86	FR8609XBT.DAT	30	now
Fr 3/87	FR8703XBT.DAT	9	now
Fr 4/87	FR8704XBT.DAT	183	now
Fr 5/87	FR8705XBT.DAT	47	now
Fr 6/87	FR8706XBT.DAT	84	now
Fr 10/87	FR8710XBT.DAT	14	now
Fr 4/88	FR8804XBT.DAT	64	now
Fr 5/88	FR8805XBT.DAT	160	now
Fr 10/88	FR8810XBT.DAT	10	now

951

* There can be gaps in the sequence.

RV Sprightly CTD Data

Cruise	Filename	Maximum Station No. [∂]	Release date
Sp 7/82	G98702CTD.DAT	48	now
Sp 9/83	G98309CTD.DAT	19	now
Sp 10/83	G98310CTD.DAT	51	now
Sp 13/83	G98313CTD.DAT	39	now
Sp 14/89	G98314CTD.DAT	77	now
Sp 15/89	G98315CTD.DAT	119	now
Sp 16/89	G98316CTD.DAT	109	now
Sp 1/84	G98401CTD.DAT	32	now
Sp 2/84	G98402CTD.DAT	135	now
Sp 3/84	G98403CTD.DAT	9	now
Sp 5/84	G98405CTD.DAT	61	now
Sp 6/89	G98406CTD.DAT	69	now
Sp 7/89	G98407CTD.DAT	44	now

812

[∂]There can be gaps in the sequence.

RV Franklin XBT data format

All the drops for a cruise are in one file and the format is as follows :

For each drop there is a header record (see example below) and a series of data records.
The header record format is:

```
FRaabbccddeeffffghhijjkkllmnnn.....oo_pp.ppq_rrr_ss.sst.....98
```

where :

- : ^ denotes a blank
- : FR is the vessel code for RV Franklin
- : aa is the cruise number
- : bbbb is the drop or XBT number
- : cc is the year
- : dd is the month
- : ee is the day
- : ffff is the time (24 hour clock)
- : g is the time zone (= 'Z' - UTC)
- : hh is the whole degrees of latitude
- : ii is the minutes of latitude
- : j is the hemisphere (= 'N' or 'S')
- : kkk is the whole degrees of longitude
- : ll is the minutes of longitude
- : m is the hemisphere (= 'E' or 'W')
- : nnnn is the bottom depth (in metres) if available (blank otherwise)

If a corrected position is available, it is inserted in the header record as follows :

- : oo is the whole degrees of latitude
- : pp.pp is the minutes and hundredth's of minutes of latitude
- : q is the hemisphere (= 'N' or 'S')
- : rrr is the whole degrees of longitude
- : ss.ss is the minutes and hundredth's of minutes of longitude
- : t is the hemisphere (= 'E' or 'W')

otherwise these fields are left blank. If these fields contain a position, this position will be more accurate than the other position in the header, which should be ignored.

After the header record, there are as many data records as are required. The first data record contains the temperatures at 0,5,10,15,...,95 metres. The second record contains the temperatures at 100,105,110,...195 metres, and so on. Blanks indicate that there is no temperature for that depth. (The surface (0 metre) value is left blank because of large surface transients).

The format of the i-th data record is:

```

.....aaabbbcccddeefffggghhhlljjkkkllmmnnnooppqqrrrrssttt.....uu

```

where : ^ denotes a blank
 : aaa is 10 times the temperature at (i-1)X100 metres
 : bbb is 10 times the temperature at (i-1)X100+5 metres
 : ccc is 10 times the temperature at (i-1)X100+10 metres
 : .
 : .
 : .
 : ttt is 10 times the temperature at (i-1)X100-5 metres
 : u = i+2

(The FORTRAN format to read this is (10X,20I3,8X,I2).)

Thus in the first example below (drop number 24 from cruise Fr 4/87, at 17:37 on the 16th of March, 1987), the temperature at 5 metres is 22.9°C, the temperature at 100 metres is 18.4°C, and at 105 metres it is 18.1°C. The deepest temperature (5.8°C) is at 760 metres.

Sample of XBT data :

```

FR0400248703161737Z2900S11235E4000       29 00.43S 112 35.89E       98
229230229229229229227225221219210206202199197192189187       3
184181179178176174172168167166164163162161159157154152151149       4
148146144143142139138137135134132131130129128127126125123122       5
120119117116114113113112111110109108107106106105104103103103       6
102101101101101100100 99 99 98 98 98 97 97 96 96 95 95 95 95       7
94 94 94 94 93 93 93 92 92 91 91 90 90 90 90 89 89 89 88 88       8
87 87 86 86 85 84 84 82 82 82 81 80 79 78 77 76 74 74 73 72       9
71 70 69 68 66 66 65 64 62 61 60 59 58       10
FR0400258703170053Z2828S11217E3600       28 28.32S 112 15.94E       98
234234238238239239239239238233228224219216212208205202200       3
197194192190188186184182181179179177176173171170169168166165       4
163162160159157156156153152151149148146143142141139137134132       5
131127124122118114111108104103100100 99 99 97 96 95 94 94 94       6
94 93 92 91 91 91 91 90 90 90 89 88 88 86 86 84 83 83 82 81       7
80 80 79 78 77 77 76 76 76 74 73 72 71 71 70 68 67 67 65 65       8
64 63 62 61 61 60 59 58 57 57 56 55 55 55 54 54 54 53 53 53       9
53 52 52 51 51 51 51 50 50 49 49 49 48       10

```


Fmt_no. FORMAT(4(F7.0,2F7.3,I7,2F6.3))

The first record of profile data written is the first record with data in it, so the depth of this record can vary from station to station

XBT notes

The system on Franklin is subject to high surface transients. As a result, we make no attempt to calculate a surface value - the first value for most drops is the temperature at 5 metres.

In addition, the stern (thru-hull) launcher is poorly placed, and XBT's launched through it are more than usually subject to wire stretch. Since the first few cruises, the stern launcher has only been used occasionally. For the first three cruises (Fr 4/85, 5/85 and 1/86), the stern launcher was used for most of the drops, and many of them have some signs of wire stretch, but the 'bulging' which is characteristic of this problem was not enough to reject the drops.

Bottom depths have not been checked against sounder traces, but have been checked for plausibility and, where possible, against the digital sounder data.

All probes were T-7's, except where noted

Some specific comments follow :

<u>Cruise</u>	<u>Comments</u>
Fr 4/88	the digitising was not working well on the sounder, so all the bottom depths look very 'round', as they were read from the paper trace.
Fr 5/88	four different types of probes were used : T-10 for drops 3-7, 155-160 T-5 for drops 50-53, 67-69, 95-98, 100 and 104-105 T-4 for drop 154 T-7 for all other drops There seems to be some calibration problem between the different types of probes (see drops 65 through 71) The comments about the sounder depths for FR 4/88 also apply.
Fr 10/89	a number of odd looking features were confirmed by nearby CTD stations
Fr 13/89	as the cruise was looking for and passing in and out of eddies the temperature structure often varies substantially between adjacent drops.

Processed CTD data format

There is one file for an entire cruise. File names are in the format of VVYYCCCTD.DAT, where VV is the Vessel code (G9= RV Sprightly and FR = RV Franklin), YY is the year of the cruise and CC is the cruise number within that year. Each file consists of a CRUISE HEADER section, which has a station listing and processing notes included and a DETAILS SECTION for each station. All dates and times are UTC and South latitude is negative. Each station has information in its individual DETAILS SECTION as to which variables have been included for the station and the field widths of the data for each variable within each data cycle or depth and the number of data cycles within each station.

An example Cruise Header and Station Header is:

```
1111111111111111111111111111 START CRUISE HEADER 1111111111111111111111111111
```

VESSEL CODE = FR YEAR = 85 CRUISE IDENTIFIER = 05

VESSEL NAME = R.V. FRANKLIN

START DATE OF CRUISE = 01-OCT-85

END DATE OF CRUISE - 05-NOV-85

CRUISE LEADER = Dr. M.J. Furnas

DATA PROCESSED BY = D.J.Vaudrey

DATE ARCHIVED = 11-MAY-87

MINIMUM LATITUDE IN DATA = -20.985

MAXIMUM LATITUDE IN DATA = -9.895

MINIMUM LONGITUDE IN DATA = 145.020

MAXIMUM LONGITUDE IN DATA = 166.407

MAXIMUM SAMPLE PRESSURE IN DATA = 4788

ARCHIVE PROGRAM VERSION NUMBER - 0

2222222222222222222222 CRUISE COMMENTS 2222222222222222222222

```
| 1 | 0445 1-OCT-85 16:47.70S 146:07.09E 49 | 46 |
```

2	0719	1-OCT-85	16:37.40S	146:16.00E	100	90
---	------	----------	-----------	------------	-----	----

3	1928	1-OCT-85	14:53.80S	146:26.36E	1899	1502
---	------	----------	-----------	------------	------	------

...A full station listing detailing station number, time and date (UTC) bottom depth and maximum cast pressure...

CTD Processing Notes:

D.J.Vaudrey and N.J.White:

Fr0585:

General:

Data Quality was poor to fair. Many problems were encountered with Unit 1 as previously discovered during Fr0485. Too few samples were collected


```

VESSEL CODE = FR  YEAR = 85  CRUISE IDENTIFIER = 03
VESSEL NAME           = R.V. FRANKLIN
START DATE OF CRUISE  = 08-JUN-85
END DATE OF CRUISE    = 27-JUN-85
CRUISE LEADER         = DR. J.A. CHURCH
DATA PROCESSED BY     = DR. N.J. WHITE
DATE ARCHIVED         = 25-MAY-87
MINIMUM LATITUDE IN DATA = 99.000
MAXIMUM LATITUDE IN DATA = -99.000
MINIMUM LONGITUDE IN DATA = 360.000
MAXIMUM LONGITUDE IN DATA = 0.000
MAXIMUM SAMPLE PRESSURE IN DATA = 0
ARCHIVE PROGRAM VERSION NUMBER = 0
22222222222222222222 CRUISE COMMENTS 2222222222222222

```

```

44444444444444444444444444 START STATION HEADER 44444444444444444444444444

```

```

START DATE - TIME =
BOTTOM DATE - TIME = 19-JUN-85 15:52:00
END DATE - TIME =
START POSITION = -20 14.330153 08.420
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM = 1015

```

NUMBER OF VARIABLES PER DATA CYCLE = 3

DATE STATION ARCHIVED = 11-MAY-87 CTD INSTRUMENT NUMBER = 2

55555555555555555555 VARIABLE DESCRIPTIONS 5555555555555555

VAR = 03 NAME AND UNITS = TEMPERATURE (DEGREES C) FIELD WIDTH = 7

66666666666666666666 THERE ARE NO STATION COMMENTS 66666666666666666666

777777777777777777 END OF STATION HEADER 7777777777777777

292.	17.413	35.494	294.	17.407	35.493	296.	17.341	35.488	298.	17.
308.	16.981	35.453	310.	16.938	35.448	312.	16.857	35.442	314.	16.
324.	16.579	35.413	326.	16.449	35.401	328.	16.273	35.385	330.	16.
340.	15.841	35.361	342.	15.822	35.360	344.	15.802	35.360	346.	15.
356.	15.400	35.306	358.	15.355	35.302	360.	15.254	35.291	362.	15.
372.	14.908	35.260	374.	14.825	35.251	376.	14.683	35.239	378.	14.
388.	14.213	35.189	390.	14.141	35.181	392.	14.105	35.178	394.	14.
404.	13.830	35.150	406.	13.789	35.147	408.	13.727	35.142	410.	13.
420.	13.358	35.103	422.	13.341	35.101	424.	13.307	35.098	426.	13.
436.	12.873	35.053	438.	12.748	35.044	440.	12.674	35.034	442.	12.
452.	12.307	35.001	454.	12.259	34.996	456.	12.196	34.990	458.	12.
468.	11.879	34.963	470.	11.827	34.957	472.	11.742	34.950	474.	11.
484.	11.278	34.900	486.	11.209	34.894	488.	11.165	34.889	490.	11.
500.	11.063	34.878	502.	10.996	34.871	504.	10.949	34.865	506.	10.
516.	10.620	34.831	518.	10.610	34.830	520.	10.578	34.827	522.	10.
532.	10.297	34.798	534.	10.287	34.796	536.	10.278	34.795	538.	10.
548.	10.138	34.783	550.	10.123	34.781	552.	10.118	34.780	554.	10.
564.	9.912	34.761	566.	9.876	34.759	568.	9.871	34.756	570.	9.
580.	9.691	34.740	582.	9.683	34.738	584.	9.662	34.736	586.	9.
596.	9.414	34.715	598.	9.330	34.708	600.	9.323	34.702	602.	9.
612.	8.875	34.656	614.	8.830	34.650	616.	8.807	34.651	618.	8.
628.	8.458	34.615	630.	8.454	34.614	632.	8.436	34.613	634.	8.
644.	8.110	34.585	646.	8.001	34.579	648.	7.946	34.567	650.	7.
660.	7.826	34.560	662.	7.819	34.559	664.	7.806	34.558	666.	7.
676.	7.742	34.554	678.	7.711	34.553	680.	7.713	34.550	682.	7.
692.	7.509	34.535	694.	7.476	34.534	696.	7.461	34.531	698.	7.
708.	7.278	34.519	710.	7.265	34.518	712.	7.265	34.517	714.	7.
724.	7.094	34.505	726.	7.068	34.505	728.	7.068	34.503	730.	7.
740.	6.887	34.494	742.	6.885	34.493	744.	6.882	34.493	746.	6.
756.	6.717	34.484	758.	6.696	34.483	760.	6.625	34.479	762.	6.
772.	6.352	34.468	774.	6.342	34.468	776.	6.326	34.467	778.	6.
788.	6.203	34.461	790.	6.194	34.462	792.	6.171	34.462	794.	6.
804.	6.121	34.460	806.	6.118	34.460	808.	6.109	34.460	810.	6.
820.	5.998	34.458	822.	5.998	34.458	824.	5.994	34.457	826.	5.
836.	5.949	34.457	838.	5.925	34.459	840.	5.884	34.458	842.	5.
852.	5.809	34.458	854.	5.804	34.458	856.	5.776	34.460	858.	5.
868.	5.741	34.459	870.	5.739	34.459	872.	5.739	34.459	874.	5.
884.	5.731	34.459	886.	5.722	34.458	888.	5.690	34.457	890.	5.
900.	5.609	34.454	902							

```
10w  
44444444444444444444 START STATION HEADER 4444444444444444
```

VESSEL CODE = FR YEAR = 85 CRUISE ID = 03 STATION ID = 000004 DIP # = 01

```

START DATE - TIME =
BOTTOM DATE - TIME = 19-JUN-85 20:31:00
END DATE - TIME =
START POSITION = -20 26.130153 00.440
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM = 524
MAXIMUM SAMPLE PRESSURE = 506
NUMBER OF VARIABLES PER DATA CYCLE = 3

```

04w

2.	24.275	35.126	4.	24.275	35.126	6.	24.273	35.126	8.	24.273	35.126
18.	24.275	35.126	20.	24.277	35.126	22.	24.276	35.125	24.	24.276	35.125
34.	24.307	35.154	36.	24.305	35.161	38.	24.301	35.167	40.	24.301	35.167
50.	24.259	35.214	52.	24.258	35.217	54.	24.257	35.219	56.	24.257	35.219
66.	24.266	35.236	68.	24.261	35.235	70.	24.257	35.235	72.	24.257	35.235
82.	24.285	35.263	84.	24.279	35.267	86.	24.303	35.304	88.	24.303	35.304
98.	23.820	35.621	100.	23.530	35.670	102.	23.371	35.682	104.	23.371	35.682
114.	22.988	35.702	116.	22.954	35.704	118.	22.889	35.706	120.	22.889	35.706
130.	22.751	35.711	132.	22.687	35.708	134.	22.538	35.711	136.	22.538	35.711
146.	22.088	35.728	148.	22.077	35.728	150.	22.061	35.729	152.	22.061	35.729
162.	21.617	35.734	164.	21.490	35.735	166.	21.394	35.732	168.	21.394	35.732
178.	21.132	35.733	180.	21.128	35.733	182.	21.042	35.733	184.	21.042	35.733
194.	20.790	35.730	196.	20.715	35.727	198.	20.668	35.727	200.	20.668	35.727
210.	20.204	35.710	212.	20.180	35.709	214.	20.158	35.708	216.	20.158	35.708
226.	19.888	35.690	228.	19.870	35.691	230.	19.840	35.688	232.	19.840	35.688
242.	19.275	35.647	244.	19.222	35.646	246.	19.172	35.642	248.	19.172	35.642
258.	18.665	35.607	260.	18.596	35.600	262.	18.535	35.590	264.	18.535	35.590
274.	18.050	35.550	276.	17.988	35.545	278.	17.937	35.539	280.	17.937	35.539
290.	17.445	35.492	292.	17.360	35.488	294.	17.271	35.481	296.	17.271	35.481
306.	16.859	35.440	308.	16.793	35.434	310.	16.744	35.428	312.	16.744	35.428
322.	16.443	35.398	324.	16.362	35.388	326.	16.237	35.378	328.	16.237	35.378
338.	15.621	35.312	340.	15.436	35.298	342.	15.173	35.273	344.	15.173	35.273
354.	14.488	35.199	356.	14.427	35.190	358.	14.300	35.184	360.	14.300	35.184
370.	14.078	35.158	372.	14.056	35.154	374.	13.970	35.148	376.	13.970	35.148
386.	13.472	35.101	388.	13.318	35.087	390.	13.296	35.083	392.	13.296	35.083
402.	12.946	35.054	404.	12.869	35.048	406.	12.781	35.036	408.	12.781	35.036
418.	12.291	34.987	420.	12.247	34.982	422.	12.105	34.973	424.	12.105	34.973
434.	11.537	34.916	436.	11.503	34.913	438.	11.472	34.910	440.	11.472	34.910
450.	11.014	34.867	452.	10.948	34.862	454.	10.889	34.856	456.	10.889	34.856
466.	10.517	34.818	468.	10.483	34.814	470.	10.479	34.814	472.	10.479	34.814
482.	10.181	34.784	484.	10.168	34.784	486.	10.156	34.783	488.	10.156	34.783
498.	10.046	34.774	500.	10.033	34.771	502.	10.030	34.770	504.	10.030	34.770

Number of stations : 29 (numbered 19 through 48)

[illegible]

04x

Stat No.	Time	Date	BOTTOM			Cast Depth
			Latitude	Longitude	Bot Depth	
19	1439	8-JUL-82	38:55	S 142:13	E	193
20	1607	8-JUL-82	38:50	S 142:16	E	107
21	1815	8-JUL-82	38:36	S 142:26	E	57
22	2300	8-JUL-82	38:33	S 141:37	E	107
23	0046	9-JUL-82	38:46	S 141:36	E	243
24	1546	8-JUL-82	38:49	S 141:36	E	499
25	0237	9-JUL-82	38:50	S 141:38	E	953
26	0103	10-JUL-82	41:25	S 144:20	E	503
27	0616	10-JUL-82	41:58	S 144:35	E	503
28	1222	10-JUL-82	42:34	S 144:51	E	403
29	1756	10-JUL-82	43:07	S 145:11	E	505
30	0024	11-JUL-82	43:43	S 145:53	E	301
31	1218	11-JUL-82	43:18	S 148:13	E	463
32	1756	11-JUL-82	42:36	S 148:30	E	1003
33	1931	11-JUL-82	42:34	S 148:28	E	477
35	2243	11-JUL-82	42:32	S 148:10	E	55
36	0624	12-JUL-82	41:53	S 148:36	E	205
37	0731	12-JUL-82	41:53	S 148:37	E	463
38	1503	12-JUL-82	41:00	S 148:41	E	227
39	1611	12-JUL-82	41:00	S 146:43	E	505
40	2126	12-JUL-82	40:26	S 148:55	E	509
41	2243	12-JUL-82	40:25	S 148:52	E	185
42	0626	14-JUL-82	37:04	S 150:22	E	503
43	1211	14-JUL-82	36:26	S 150:21	E	505
44	1818	14-JUL-82	37:03	S 150:00	E	427
45	0533	15-JUL-82	37:37	S 150:18	E	509
46	1541	17-JUL-82	34:21	S 151:25	E	513
47	2250	17-JUL-82	35:05	S 151:05	E	499
48	0518	18-JUL-82	35:44	S 150:38	E	501

Cruise : Sp 7/82
Start date : 05-JUL-1982
End date : 19-JUL-1982
Project : Aureoreg leg V
Data processed : July 1985

12.	13.829	35.303	47	0.001	0.000	14.	13.829	35.303	46	0.001
20.	13.827	35.302	61	0.002	0.002	22.	13.827	35.302	51	0.002
28.	13.824	35.301	54	0.004	0.005	30.	13.811	35.298	57	0.006
36.	13.809	35.297	52	0.011	0.014	38.	13.823	35.302	45	0.008
44.	13.788	35.292	78	0.002	0.002	46.	13.773	35.289	50	0.006
52.	13.744	35.283	59	0.012	0.014	54.	13.701	35.275	50	0.010
60.	13.677	35.272	46	0.002	0.002	62.	13.692	35.274	54	0.012
68.	13.693	35.276	43	0.004	0.003	70.	13.692	35.276	54	0.002
76.	13.686	35.273	42	0.002	0.002	78.	13.681	35.273	38	0.004
84.	13.674	35.272	68	0.002	0.002	86.	13.671	35.271	47	0.004
92.	13.665	35.269	41	0.002	0.001	94.	13.666	35.270	41	0.001
100.	13.642	35.264	56	0.004	0.005	102.	13.628	35.260	40	0.005
108.	13.608	35.256	55	0.003	0.003	110.	13.604	35.254	52	0.002
116.	13.588	35.251	71	0.001	0.001	118.	13.586	35.250	76	0.003
124.	13.527	35.236	33	0.007	0.007	126.	13.521	35.234	37	0.001
132.	13.516	35.233	40	0.007	0.007	134.	13.498	35.230	35	0.008
140.	14.717	35.593	56	0.116	0.142	142.	14.779	35.613	68	0.017
148.	14.835	35.622	43	0.022	0.024	150.	14.790	35.612	66	0.012
156.	14.981	35.668	49	0.018	0.013	158.	14.984	35.672	66	0.002
164.	14.980	35.670	46	0.001	0.001	166.	14.987	35.672	38	0.004
172.	15.007	35.678	61	0.005	0.006	174.	15.016	35.681	60	0.003
180.	15.004	35.677	45	0.010	0.013	182.	15.012	35.680	53	0.001
188.	15.010	35.679	65	0.001	0.001	190.	15.011	35.678	51	0.001

10w

```

44444444444444444444 START STATION HEADER 444444444444444444
VESSEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000020 DIP # = 01
START DATE - TIME = 08-JUL-82 02:08:00

```


104

NANSEN REF #

099018

MULDARS TRACK #

TU5999

MONITOR: CONTACT

Mary Lewis

LOCATION OF F022 SOURCE

archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

✓ 0001-0007 ✓

Change day from 08 to 09

✓ 004 (at 51.6m Change temp to 14007, Sal. 35490)

✓ 0011-

Change day from 10 to 11

✓ 0014-0016

" " from 11 to 12

✓ 0019-0022

Change day from ~~12~~¹³ to 13

✓ 0025

Change day from 14 to 15

[Signature]

NANSEN REF #

099019

MULDARS TRACK #

TV6000

MONITOR: CONTACT

MARY LEWIS

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

✓ 003

Change day from 16 to 17

✓ 008

Change day from 18 to 19

✓ 013-014

Change day from 20 to 21

✓ 018-019

Change day from 22 to 23

*MS
answered*

NANSEN REF #

099021

MULDARS TRACK #

TW 0374

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TW 0374)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

✓ 24

Change Day from 17 to 18.

✓ 36 thru 38

Change Day from 22 to 23.

MS
09 March 1992

NANSEN REF #

099022

MULDARS TRACK #

two 375

MONITOR: CONTACT

MARY R. LEWIS

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

✓ 012-014

Change day from 13 to 14

✓ 020-022

Change day from 16 to 17

✓ 027-

Change day from 17 to 18

✓ 039-040

Change day from 20 to 21

✓ 056-060

Change day from 22 to 23

✓ 0070-073

Change day from 23 to 24

MPL
09 March 92

NANSEN REF #

099023

MULDARS TRACK #

TW0376

MONITOR: CONTACT

MARY R LEWIS

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

MAJ 09 March 1992

↓ 005 - 006	Change day from 08 to 09
↓ 014 - 016	Change day from 09 to 10
↓ 018 - 024	change day from 10 to 11
↓ 031 - 034	Change day from 11 to 12
↓ 038 - 046	Change day from 12 to 13
↓ 051 - 056	Change day from 13 to 14
↓ 062 - 067	Change day from <u>14</u> to <u>15</u>
↓ 072 - 074	Change day from 15 to 16
↓ 094 - 101	Change day from 19 to 20
↓ 109 - 115	Change day from 20 to 21

NANSEN REF #

MULDARS TRACK #

099024

TW0377

MONITOR: CONTACT

LOCATION OF FQ22 SOURCE

J. Frank

Archives (TW0377)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

14 thru 16		Change Day from 8 to 9			
21	29			11	12
38	41			12	13
55	59			15	16
74	76			18	19
85	91			19	20
94	98			20	21

mf
09mar 92

Ref# 099025

Track# TW0378

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TW0378)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

↓ 12 thru 15		Change Day from 10 to 11			
↓ 22	29				11 12
↓ 34	42				12 13
↓ 56	61				14 15
↓ 65	67				15 16
↓ 76	77				16 17
↓ 83	85				17 18
↓ 92	95				18 19
↓ 100	109				19 20
↓ 121	126	↓	↓	↓	22 23

MB
09 Mar 92

099026

TWO.379

Frank

Archives (TW 0379)

CONSEC(S)

ERRORS FOUND

12 thru 14 ✓		Change Day from 09 to 10			
24	27 ✓			11	12
29	30 ✓			12	13
36	40 ✓			13	14
58	64 ✓			15	16
71	79 ✓			16	17
85	92 ✓			17	18
103	109 ✓			19	20
111	114 ✓			20	21
123	128 ✓			21	22

2019/10/12

NANSEN REF #

099027

MULDARS TRACK #

TW0380

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TW0380)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

3

~~None~~
DAY = 12 NOT 11

NANSEN REF #

099028

MULDARS TRACK #

TW0381

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TW0381)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

3 + 4

~~None~~
DAY = 25 NOT 24

NANSEN REF #

099029

MULDARS TRACK #

TW0382

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TW0382)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #

099030

MULDARS TRACK #

TW0383

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TW0383)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #

099031

MULDARS TRACK #

TW0384

MONITOR: CONTACT

J Frank

LOCATION OF F022 SOURCE

Archives (TW0384)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

8 ✓

10 thru 14 ✓

35 ↓ 38 ✓

44 ↓ 48

Change Degree of Latitude from 34° to 38° .

Change Day from 10 to 11.

15 to 16.

16 to 17.

MA
1/197

099032

TWO385

MONITOR: CONTACT

✓ Frank

LOCATION OF F022 SOURCE

Archives (TW0385)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

9 thru 11 ✓		Change Day from 6 to 7			
20	23 ✓			7	8
29	—			7	9
30	34			8	9
44	47			09	10
64	68			15	16

10/01/92

NANSEN REF #

099033

MULDARS TRACK #

TW0386

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TW0386)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

6 thru 7	Change Day from 7 to 8
12 thru 20	" " " 8 to 9
28	" " " 09 to 10
31 thru 32	" " " 10 to 11
33	" " " 11 to 12
36	" " " 12 to 13
40	" " " 13 to 14

[Handwritten signature]
4/11/92

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100129	045990	C125		0910	09FA		07/20/85	07/30/85	22	22
9100129	045991	C125		0910	09FA		08/12/85	08/23/85	62	62
9100129	045992	C125		0910	09FA		10/01/85	11/04/85	71	71
9100129	045993	C125		0910	09FA		01/09/86	02/12/86	105	105
9100129	045994	C125		0910	09FA		10/03/86	10/14/86	57	57
9100129	045995	C125		0910	09FA		11/04/86	11/11/86	22	22
9100129	045996	C125		0910	09FA		01/23/87	01/24/87	9	9
9100129	045997	C125		0910	09FA		03/13/87	04/02/87	179	179
9100129	045998	C125		0910	09FA		04/13/87	04/20/87	32	32
9100129	045999	C125		0910	09FA		06/05/87	06/22/87	73	73
9100129	046000	C125		0910	09FA		11/05/87	11/12/87	14	14
9100129	046001	C125		0910	09FA		04/29/88	04/30/88	2	2
9100129	046002	C125		0910	09FA		05/19/88	05/24/88	57	57
9100129	046003	C125		0910	09FA		06/22/88	07/17/88	138	138
9100129	046004	C125		0910	09FA		10/31/88	11/01/88	9	9

852

910012

9100129

FILETYPE

TRACK NO.

PROJECT
IDENTIFICATION

C125

45890

~~45890~~ ~~45890~~ ~~45890~~

DATE

INIT.

46004

TAPE OR
DISK DSNNO.
FILES LRECL BLK SIZE RECORDS

	07/24/91	CCNH	AΦ1469	SL tape	72	8000	8000	4617
TAPE	07/30/91		WΦ1244	NL tape	24			4617
TAPE	07/24/91		AΦ1420 *	SL tape	78			1902
DISK	07/30/91	↓	WΦ1536 *	NL tape	26	↓	↓	1902
CK	10-4-91	R.P.S.	W11813 **		1	V	V	852
CK			W54336 **					
022								
HALIZED								

NOTED TO PRINCIPAL INVESTIGATOR:

Tapes WΦ1244 and WΦ1536 are 9 TRK, NL,
6250 bpi, Ascii

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

* XBT DATA =
FILES 14-26** ~~W11813~~ LABEL =
DNOIC * AUSSIE OUT.

(TRACKS DELETED, FIELDS DELETED, ETC.)

Name <i>Cliff Hartley</i>	Phone # <i>606-4636</i>	Org/Task <i>EE12008N3AA9</i>	Submit Date <i>07/29/91</i>	Due Date <i>ASAP</i>
------------------------------	----------------------------	---------------------------------	--------------------------------	-------------------------

PART A

Request/Problem Category

- | | | | |
|---|---|--|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operation | |
| <input type="checkbox"/> Other: <i>None</i> | | | |

Special Instructions/Description:

*copy tape ACP 1469 to a 'W' tape
Please scan 'W' tape*

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|--|---|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Tape Scan | | |
| <input checked="" type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | | |
| All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

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

JOB INPUT

Id#/Filename: _____

ACP 1469 (252552)

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

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

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

MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT

Id#/Filename: _____

W01244

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

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

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

MAX Record Length: 8000 MAX Blocksize: 8000

(U23 Use Only)

JOB Number: *91073001*

Completed By: *J.A.*

Date/Time Start: *7-30-91/08:30*

Date/Time Completed: *7-30-91/08:45*

User Name <i>Cliff Hartley</i>	Phone # <i>606-4436</i>	Org/Task <i>EG-12003N3HH9</i>	Submit Date <i>07/29/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

<input type="checkbox"/> General Info	<input type="checkbox"/> Communications	<input type="checkbox"/> Equipment	<input type="checkbox"/> Supplies
<input type="checkbox"/> Software	<input type="checkbox"/> Tape Library	<input checked="" type="checkbox"/> Computer Operations	
<input type="checkbox"/> Other: _____			

Problem Description:

*Please copy tape A01470 to a W tape.
Scan W tape.*

PART B

(For Operator Job Requests)

Operator Job Request Type

<input type="checkbox"/> Run BRBUOY procedure	Name: _____	<input type="checkbox"/> See attached list
<input type="checkbox"/> Run SELBUOY procedure	Name: _____	<input type="checkbox"/> See attached list
<input type="checkbox"/> Run BUOYSUM procedure	Name: _____	<input type="checkbox"/> See attached list
<input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS		
<input type="checkbox"/> Tape Scan		
<input checked="" type="checkbox"/> Tape to Tape Copy	Scan OUTPUT tape? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
<input type="checkbox"/> Disk to Tape Copy	Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no	
<input type="checkbox"/> Tape to Disk Copy		
<input type="checkbox"/> Print <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character		
All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no. see SPECIAL INSTRUCTIONS		
<input type="checkbox"/> Restore VAX file	Name: _____	
<input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS		

Special Operator Instructions:

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

JOB INPUT Id#/Filename: A01470(D02086)

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

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

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

MAX Record Length: 8000 MAX Blocksize: 8000

JOB OUTPUT Id#/Filename: W01536

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

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

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

MAX Record Length: 8000 MAX Blocksize: 8000

(003 Use Only)

JOB Number: 91073002

Completed By: *g/s*

Date/Time Start: 7-30-91/08:50

Date/Time Completed: 7-30-91/09:05

User Name <i>CLT/Hartley</i>	Phone # <i>673-5436</i>	Org/Task <i>EG12008A3449</i>	Submit Date <i>07/23/91</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 Specify:

Request/Problem Description:

Please scan tape A01469

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 return tape A01469 to Bin 09

JOB INPUT

Id#/Filename: *A01469*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

(CC3 Use Only)

JOB Number: *91072403 J.2*
 Completed By:

Date/Time Start: *7-24-91/08:45*
 Date/Time Completed: *7-24-91/08:55*

User Name <i>Cliff Hardley</i>	Phone # <i>606-4136</i> 673-5736	Org/Task <i>EG12008A3AH4</i>	Submit Date <i>07/23/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

- | | | | |
|---|---|---|-----------------------------------|
| <input type="checkbox"/> General Info | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software | <input type="checkbox"/> Tape Library | <input checked="" type="checkbox"/> Computer Operations | |
| <input type="checkbox"/> Other Specify: | | | |

Request/Problem Description:

Please scan tape A01470

PART B

(For Operator Job Requests)

Operator Job Request Type

- | | | |
|--|--|--|
| <input type="checkbox"/> Run BRBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure | Name: _____ | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS | | |
| <input checked="" type="checkbox"/> Tape Scan | | |
| <input type="checkbox"/> Tape to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Disk to Tape Copy | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| <input type="checkbox"/> Tape to Disk Copy | | |
| <input type="checkbox"/> Print <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character | | |
| All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS | | |
| <input type="checkbox"/> Restore VAX file | Name: _____ | |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

Please return tape A01470 to Bin 09

JOB INPUT

Id#/Filename: *A01470*

Medium: ☒ Tape ☐ Disk ☐ Other Specify:
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

JOB OUTPUT

Id#/Filename: _____

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ NL ☐ SL
 MAX Record Length: _____ MAX Blocksize: _____

ICS3 Use Only:

JOB Number: *9107240402*
 Completed By: *GA*

Date/Time Start: *7-24-91/10:00*
 Date/Time Completed: *7-24-91/10:15*

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

AODC 80/91
43/3

5 July 1991

Mr Greg Withee
National Oceanographic Data Center
National Oceanic and Atmospheric Administration
Washington, D.C. 20235
U.S.A.

9900129

Dear Greg,

Please find enclosed two magnetic tapes and associated documentation for inclusion in the NODC data files. This data set is also to be made available to WDC-A.

One of the enclosed tapes contains CTD data from the Research Vessel Franklin, and the other reel contains CTD data from RV Sprightly and XBT data from RV Franklin. This data set was processed and made available to us by Dr Neil White, the RV Franklin data manager at the CSIRO Division of Oceanography in Hobart Tasmania. Both magnetic tapes are 6350 bpi, ANSI standard labelled, with blocksize of 8000 bytes.

Also included are a copy of the XBT and CTD data formats which are the same for both RV Franklin and RV Sprightly data. I trust that you will find this data set a welcome addition to your data banks as we have at the Australian Oceanographic Data Centre.

I hope that things are still continuing to develop at NODC. GTSP appears to be getting firmly established. This project has certainly taken off. I was a little disappointed that I could not make it to the meeting in Obninsk but I am sure that the birth of our first baby will more than make up for this.

I would be interested to hear how your new database machine is working out. We are still developing our system and it is looking very promising at this stage. We are about to buy some more hardware shortly which will enable AODC to use some of the database facilities. The software is expected to be completed in early 1992. It's taken a while but it will be an extremely powerful and flexible system when it is finished.

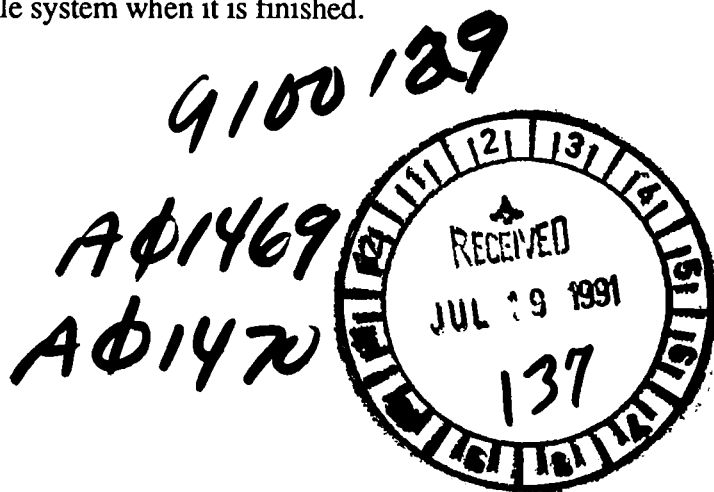
Regards to everybody at NODC

Ben Searle

Ben Searle

Enclosed:

Two 6250 bpi magnetic tapes
List of cruises
Format guide for the XBT data
Format Guide for the CTD data
Acknowledgement receipt form



Mitch or Stein

Posted: Mon, Jul 22, 1991 12:08 AM EDT

Msg: HGJB-4832-2838

From: B.SEARLE

To: NODC.WDCA

Cc: G.WITHEE

Subj: Update notice about RV Franklin data set sent from AODC June 1991

You will notice one of the magnetic tape reels from the RV Franklin data set comprises of RV Sprightly CTD data and RV Franklin XBT data. This reel is a combination of 2 ANSI standard labelled tapes which were copied onto one tape. So that there is no confusion when trying to read this tape there are in fact two logical tape volumes on the one physical tape. This tape should read OK but may be confusing if you are unaware of the above. I hope this will sort out any problems that you may have had with regards to this matter.

Regards Edwina Tanner/AODC

9,00127

Royal Australian Navy

Australian Oceanographic Data Centre

3rd Floor
118 Walker Street
North Sydney, NSW
Tel (02) 925-4230

Correspondence to:
Hydrographic Office, RAN
PO Box 1332
North Sydney, NSW 2059

Dear Sir/Madam,

Please acknowledge receipt of delivery of the enclosed data.

Received by:	
Name:	FRANCIS J. MITCHELL
Institution:	NOAA / NODC USA
Date:	19 JULY 91
Signature:	Francis J. Mitchell 9100129

The data provided on the magnetic tape is ANSI standard labelled with a blocksize of 8000 bytes. If this format is satisfactory or if you would like data provided to you in some other format in the future could you please indicate this in the section below. Thank you for your comments as we are trying to standardize data exchange procedures at the AODC.

Please tick box to indicate preferred formats:

tar format
(UNIX tape archive)

[]

ANSI format

[X]

other
(specify in space below)

[]

Comments: _____

NON-LABELLED TAPE IS preferred

AODC 80/91
43/3



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St.,
North Sydney, N.S.W. 2060
Tel. 925 4800
Telex: ALSHYD AA 72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

8. Name and address of Manufacturer _____

Country of Origin AUSTRALIA

9. Reason for Export OCEANOGRAPHIC DATA EXCHANGE

~~10. Harmonised Tariff~~ _____

~~11. Authorisation~~ _____

12. I declare that the above information is true and correct to the best of my knowledge, and that the goods are of _____ origin.

13. For and on behalf of the above named company.

Name (in print) B. DAUTH Signature *B. Dauth*

Position in Company STORES OFFICER



HYDROGRAPHIC SERVICE

Royal Australian Navy

161 Walker St,
North Sydney, N.S.W. 2060
Tel 925 4800
Telex: ALSHYD AA72669
Please address correspondence to:
The Hydrographer, R.A.N.,
P.O. Box 1332
North Sydney, N.S.W. 2060
Ref:

1. Ship to: National Oceanographic Data Centre
Company Name National Oceanic & Atmospheric Admin
Street 1825 Connecticut Ave NW
Town/Area Code WASHINGTON D.C.
State/Country 20235 UNITED STATES AMERICA
Contact Name MR GREG WITHEE Phone/Telex No. _____

2. Airbill No 867486222
Carrier DHL
No. of Pieces 1
Total Weight 3 Kg
Dimensions 28 x 31 x 6 cm

3. Full Description of Goods	4. No. of Items	5. Unit Value	6. Total Value
SCIENTIFIC DATA DOCUMENTATION & 2 TAPES (magnetic)	1	SCIENTIFIC DATA	NO COMMERCIAL VALUE
7. Total Invoice Value			NIL

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Name (in print) B. DAUTH Signature *B. Dauth*

Position in Company STORES OFFICER

tape was labeled FRANK

t - FR8503CTD.DAT: 469 lines (73088 chars) in 38 tape blocks
 t - FR8503CTD.DAT: 3757 lines (626541 chars) in 81 tape blocks
 t - FR8504CTD.DAT: 10985 lines (2028427 chars) in 261 tape blocks
 t - FR8505CTD.DAT: 13188 lines (2366912 chars) in 305 tape blocks
 t - FR8506CTD.DAT: 5266 lines (908075 chars) in 117 tape blocks
 t - FR8601CTD.DAT: 11822 lines (2135150 chars) in 274 tape blocks
 t - FR8602CTD.DAT: 4459 lines (680261 chars) in 89 tape blocks
 t - FR8604CTD.DAT: 3302 lines (531441 chars) in 69 tape blocks
 t - FR8608CTD.DAT: 1683 lines (204218 chars) in 27 tape blocks
 t - FR8609CTD.DAT: 22477 lines (4528443 chars) in 581 tape blocks
 t - FR8702CTD.DAT: 1103 lines (115328 chars) in 16 tape blocks
 t - FR8703CTD.DAT: 14279 lines (2360353 chars) in 305 tape blocks
 t - FR8704CTD.DAT: 19813 lines (3281754 chars) in 423 tape blocks
 t - FR8706CTD.DAT: 6853 lines (1056193 chars) in 137 tape blocks
 t - FR8707CTD.DAT: 16676 lines (2726616 chars) in 352 tape blocks
 t - FR8708CTD.DAT: 1302 lines (172849 chars) in 23 tape blocks
 t - FR8709CTD.DAT: 12545 lines (2013096 chars) in 260 tape blocks
 t - FR8710CTD.DAT: 12787 lines (1573076 chars) in 207 tape blocks
 t - FR8801CTD.DAT: 4492 lines (711020 chars) in 93 tape blocks
 t - FR8802CTD.DAT: 2480 lines (238305 chars) in 32 tape blocks
 t - FR8803CTD.DAT: 4460 lines (718579 chars) in 93 tape blocks
 t - FR8804CTD.DAT: 5131 lines (811669 chars) in 105 tape blocks
 t - FR8805CTD.DAT: 19744 lines (3291795 chars) in 424 tape blocks
 t - FR8811CTD.DAT: 5699 lines (868435 chars) in 112 tape blocks
 read 24 files in 4424 blocks (204772 lines, 34021624 chars)

tape was labeled G9DAT

t - G98207CTD.DAT: 2204 lines (303608 chars) in 40 tape blocks
 t - G98309CTD.DAT: 1063 lines (127083 chars) in 17 tape blocks
 t - G98310CTD.DAT: 2762 lines (337613 chars) in 44 tape blocks
 t - G98313CTD.DAT: 2971 lines (414379 chars) in 54 tape blocks
 t - G98314CTD.DAT: 7609 lines (1137820 chars) in 147 tape blocks
 t - G98315CTD.DAT: 13251 lines (2040099 chars) in 264 tape blocks
 t - G98316CTD.DAT: 10333 lines (1538230 chars) in 199 tape blocks
 t - G98401CTD.DAT: 14952 lines (2309921 chars) in 299 tape blocks
 t - G98402CTD.DAT: 13669 lines (2076017 chars) in 269 tape blocks
 t - G98403CTD.DAT: 1162 lines (180063 chars) in 24 tape blocks
 t - G98405CTD.DAT: 4808 lines (681773 chars) in 89 tape blocks
 t - G98406CTD.DAT: 5809 lines (839310 chars) in 109 tape blocks
 t - G98407CTD.DAT: 3559 lines (502548 chars) in 66 tape blocks
 t - G98407CTD.DAT: 739 lines (59120 chars) in 8 tape blocks

tape was labelled FRXBT

t - FR8505XBT.DAT: 554 lines (44320 chars) in 6 tape blocks
 t - FR8601XBT.DAT: 907 lines (72560 chars) in 10 tape blocks
 t - FR8608XBT.DAT: 428 lines (34240 chars) in 5 tape blocks
 t - FR8609XBT.DAT: 194 lines (15520 chars) in 3 tape blocks
 t - FR8703XBT.DAT: 31 lines (2480 chars) in 1 tape blocks
 t - FR8704XBT.DAT: 774 lines (61920 chars) in 9 tape blocks
 t - FR8705XBT.DAT: 265 lines (21200 chars) in 3 tape blocks
 t - FR8706XBT.DAT: 538 lines (43040 chars) in 6 tape blocks
 t - FR8710XBT.DAT: 126 lines (10080 chars) in 2 tape blocks
 t - FR8804XBT.DAT: 472 lines (37642 chars) in 5 tape blocks
 t - FR8805XBT.DAT: 1098 lines (87564 chars) in 12 tape blocks
 t - FR8810XBT.DAT: 75 lines (5982 chars) in 1 tape blocks
 read 26 files in 1692 blocks (90353 lines, 12984132 chars)

RV Franklin CTD data

Cruise	Filename	Maximum Station No.#	Release date
FR 3/85	FR8503CTD.DAT	54	now
FR 4/85	FR8504CTD.DAT	95	now
FR 5/85	FR8505CTD.DAT	127	now
FR 6/85	FR8506CTD.DAT	59	now
FR 1/86	FR8601CTD.DAT	112	now
FR 2/86	FR8602CTD.DAT	21 ^B	now
FR 4/86	FR8604CTD.DAT	46	now
FR 8/86	FR8608CTD.DAT	31	now
FR 9/86	FR8609CTD.DAT	79	now
FR 2/87	FR8702CTD.DAT	24	now
FR 3/87	FR8703CTD.DAT	81	now
FR 4/87	FR8704CTD.DAT	115	now
FR 6/87	FR8706CTD.DAT	60	now
FR 7/87 ^A	FR8707CTD.DAT	101	now
FR 8/87	FR8708CTD.DAT	18	now
FR 9/87	FR8709CTD.DAT	90	now
FR 10/87	FR8710CTD.DAT	118	now
FR 1/88	FR8801CTD.DAT	11 [§]	now
FR 2/88	FR8802CTD.DAT	63	now
FR 3/88	FR8803CTD.DAT	28	now
FR 4/88	FR8804CTD.DAT	40	now
FR 5/88	FR8805CTD.DAT	104	now
FR 11/88	FR8811CTD.DAT	55	* 01-JUN-1991

1542

[#]There can be gaps in the sequence.

^BIncludes multiple dips, 58 separate files.

[§]Includes multiple dips, 24 separate files.

RV Franklin XBT data

Cruise	File name	Max drop number*	Release date
Fr 4/85	FR8504XBT.DAT	88	now
Fr 5/85	FR8505XBT.DAT	79	now
Fr 1/86	FR8601XBT.DAT	114	now
Fr 8/86	FR8608XBT.DAT	69	now
Fr 9/86	FR8609XBT.DAT	30	now
Fr 3/87	FR8703XBT.DAT	9	now
Fr 4/87	FR8704XBT.DAT	183	now
Fr 5/87	FR8705XBT.DAT	47	now
Fr 6/87	FR8706XBT.DAT	84	now
Fr 10/87	FR8710XBT.DAT	14	now
Fr 4/88	FR8804XBT.DAT	64	now
Fr 5/88	FR8805XBT.DAT	160	now
Fr 10/88	FR8810XBT.DAT	10	now

951

* There can be gaps in the sequence.

RV Sprightly CTD Data

Cruise	Filename	Maximum Station No. [∂]	Release date
Sp 7/82	G98702CTD.DAT	48	now
Sp 9/83	G98309CTD.DAT	19	now
Sp 10/83	G98310CTD.DAT	51	now
Sp 13/83	G98313CTD.DAT	39	now
Sp 14/89	G98314CTD.DAT	77	now
Sp 15/89	G98315CTD.DAT	119	now
Sp 16/89	G98316CTD.DAT	109	now
Sp 1/84	G98401CTD.DAT	32	now
Sp 2/84	G98402CTD.DAT	135	now
Sp 3/84	G98403CTD.DAT	9	now
Sp 5/84	G98405CTD.DAT	61	now
Sp 6/89	G98406CTD.DAT	69	now
Sp 7/89	G98407CTD.DAT	44	now

812

[∂]There can be gaps in the sequence.

RV Franklin XBT data format

All the drops for a cruise are in one file and the format is as follows :

For each drop there is a header record (see example below) and a series of data records.
The header record format is:

```
FRaabbbbccddeeffffghhiijjkkllmnnn.....oo_pp.ppq_rrr_ss.sst.....98
```

where	:	^	denotes a blank
	:	FR	is the vessel code for RV Franklin
	:	aa	is the cruise number
	:	bbbb	is the drop or XBT number
	:	cc	is the year
	:	dd	is the month
	:	ee	is the day
	:	ffff	is the time (24 hour clock)
	:	g	is the time zone (= 'Z' - UTC)
	:	hh	is the whole degrees of latitude
	:	ii	is the minutes of latitude
	:	j	is the hemisphere (= 'N' or 'S')
	:	kkk	is the whole degrees of longitude
	:	ll	is the minutes of longitude
	:	m	is the hemisphere (= 'E' or 'W')
	:	nnnn	is the bottom depth (in metres) if available (blank otherwise)

If a corrected position is available, it is inserted in the header record as follows :

:	oo	is the whole degrees of latitude
:	pp.pp	is the minutes and hundredth's of minutes of latitude
:	q	is the hemisphere (= 'N' or 'S')
:	rrr	is the whole degrees of longitude
:	ss.ss	is the minutes and hundredth's of minutes of longitude
:	t	is the hemisphere (= 'E' or 'W')

otherwise these fields are left blank. If these fields contain a position, this position will be more accurate than the other position in the header, which should be ignored.

After the header record, there are as many data records as are required. The first data record contains the temperatures at 0,5,10,15,...,95 metres. The second record contains the temperatures at 100,105,110,...,195 metres, and so on. Blanks indicate that there is no temperature for that depth. (The surface (0 metre) value is left blank because of large surface transients).

The format of the i -th data record is:

.....aaabbbcccddeeefffggghhhiii jjjkkkl11mmnnnooopppqqrrrrssttt.....uu

where

: ^	denotes a blank
: aaa	is 10 times the temperature at (i-1)X100 metres
: bbb	is 10 times the temperature at (i-1)X100+5 metres
: ccc	is 10 times the temperature at (i-1)X100+10 metres
:	
:	
:	
: ttt	is 10 times the temperature at (i-1)X100-5 metres
: u	= i+2

(The FORTRAN format to read this is (10X,20I3,8X,I2).)

Thus in the first example below (drop number 24 from cruise Fr 4/87, at 17:37 on the 16th of March, 1987), the temperature at 5 metres is 22.9°C, the temperature at 100 metres is 18.4°C, and at 105 metres it is 18.1°C. The deepest temperature (5.8°C) is at 760 metres.

Sample of XBT data :

FR0400248703161737Z2900S11235E4000	29 00.43S 112 35.89E	98
229230229229229229229227225221219210206202199197192189187		3
184181179178176174172168167166164163162161159157154152151149		4
148146144143142139138137135134132131130129128127126125123122		5
120119117116114113113112111110109108107106106105104103103103		6
102101101101101100100 99 99 98 98 98 97 97 96 96 95 95 95 95		7
94 94 94 94 93 93 93 92 92 91 91 90 90 90 89 89 89 88 88		8
87 87 86 86 85 84 84 82 82 82 81 80 79 78 77 76 74 74 73 72		9
71 70 69 68 66 66 65 64 62 61 60 59 58		10
FR0400258703170053Z2828S11217E3600	28 28.32S 112 15.94E	98
234234238238239239239239238233228224219216212208205202200		3
197194192190188186184182181179179177176173171170169168166165		4
163162160159157156156153152151149148146143142141139137134132		5
131127124122118114111108104103100100 99 99 97 96 95 94 94 94		6
94 93 92 91 91 91 91 90 90 90 89 88 88 86 86 84 83 83 82 81		7
80 80 79 78 77 77 76 76 76 74 73 72 71 71 70 68 67 67 65 65		8
64 63 62 61 61 60 59 58 57 57 56 55 55 55 54 54 54 53 53 53		9
53 52 52 51 51 51 51 50 50 49 49 49 48		10

Fmt_no. FORMAT(4(F7.0,2F7.3,I7,2F6.3))

The first record of profile data written is the first record with data in it, so the depth of this record can vary from station to station

FR0500018510011020Z1615S14619E

248247247247247247247247247247246245245244244244243243
242241239238237235234234231227226223220218215213211208205203
200197195194193191187184183179178176175173172171170168165161
160159156154

FR0500028509010113Z1548S14621E

248248248248248248248248248248248248248248248247247
245244243242239237235234233229228226222218217214213209206203
201200199198196195194192190189187184182180176174172170168166
165163162159156154153152150148146144143141139137135133130128
126125122121120118116113112110109107105103100 99 99 97 95 94
93 92 90 89 86 84 83 82 81 80 79 78 77 76 75 74 73 72 72
71 70 69 68 67 66 65 65 65 64 64 63 62 62 61 60 60 59 59
59 58 58 57 57 57 57 56 55 55 54

FR0500038510011630Z1510S14623E

249248248248248248248248249249249249247246244243243
243243242239235232229227225224224222219216214212210208206203
201197196194193190188184183181178175173171170168167167166165
164163161157151150146144142141138136134132130129128123122120
119117115113112109107105103101 99 96 95 94 93 92 91 90 89 87
86 86 85 84 82 81 81 79 79 78 77 76 75 74 73 72 72 71 70 69
68 68 67 66 66 65 64 64 63 63 62 62 61 60 60 59 59 59
58 58 57 57 56 56 55 55 54 53 53 53

FR0500048510020230Z1423S14619E

248248248248248248248248248248248247247246244243240
239237237237236232230227226223220220217215214211208206205204
202200199196194192190190187184182179179176175174170167163160
159157154151145142137134132129127125124122119118116115113110
109109108108107105104103101100 99 97 95 95 93 92 91 89 88 86
85 84 83 81 78 77 77 76 75 74 73 73 71 70 70 69 69 68 67 67
66 65 64 64 64 63 62 62 61 61 61 60 60 59 59 59 58 58 58 57
57 56 55 55 54 54 54 53 52 51 51 51

FR0500058510021138Z1318S14637E

251250250250250250250250250250250250250250250248244244243
242242242242240239235231229227222217213211209207205203201199
197195193190189186184182179176174173170168165163161156156153
151148144144142140137134131127126122120119117115112109108106
105103102100 99 97 97 95 93 91 90 88 87 84 83 81 80 79 78 78
77 76 75 74 73 73 72 70 70 69 68 67 66 66 65 64 63 63 62
62 61 59 59 58 58 57 57 57 56 56 55 55 54 54 53 53 53 53
52 52 52 51 51 50 50 50 49 49 49 48

FR0500068510021900Z1222S14657E

251251250250250250250251251251251251251251251251251251
250250249247245242238235232230228225222219217215212210208205
203201198195193190188185

FR0500078510030523Z1132S14712E

255254254254254254254254254254254253252248247246245243
239237235233232230227224222220215212210206204203201198197195
194192189185181177176174172170168167166163162161160159157156
154151148145142141138136133132131127127120120117113108105102
99 98 96 95 93 91 89 86 85 83 82 80 77 75 76 76 75 74 74 74
73 72 71 70 69 69 68 67 67 67 67 66 66 66 65 64 64 63 63
63 63 63 62 62 62 62 61 60 59 58 58 57 57 57 56 56 55 55
54 54 53 53 53 52 51 51 51 51 50 50

FR0500088510031400Z1037S14731E

246246245245245245245246245246245246246245245245245242238

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23823623423223122522322219215210208207205204201200197196194
192189188185183180177174172170167166163161159158155154150148
146145143139138136133130128127126124121120117114112110107105
102102 99 97 95 94 93 92 91 90 89 88 87 86 85 85 84 83 81 81
81 79 79 78 76 76 75 75 73 72 71 70 70 68 68 67 66 66 66
65 65 64 64 64 63 62 62 62 61 60 60 60 59 59 58 57 57 57 56
56 56 56 55 55 54 54 54 53 53 53

FR0500098510032030Z1023S14808E

239239238238238238239238236236235234234232231230229228
227227223223221219217209207205204203202198197196195192190183
180178176174172166166165165163161155154154154153152150147
146142139134131129129129129129128128128128128128127124124
11911411211211211211105 99 98 97 96 94 93 92 91 90 88 86 86
86 85 85 84 83 82 81 81 79 79 78 77 77 77 76 76 74 73 72
71 70 69 69 69 68 68 67 67 67 66 65 64 64 64 63 63 63 63
62 62 62 61 61 61 60 59 58 58 55 55

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XBT notes

The system on Franklin is subject to high surface transients. As a result, we make no attempt to calculate a surface value - the first value for most drops is the temperature at 5 metres.

In addition, the stern (thru-hull) launcher is poorly placed, and XBT's launched through it are more than usually subject to wire stretch. Since the first few cruises, the stern launcher has only been used occasionally. For the first three cruises (Fr 4/85, 5/85 and 1/86), the stern launcher was used for most of the drops, and many of them have some signs of wire stretch, but the 'bulging' which is characteristic of this problem was not enough to reject the drops.

Bottom depths have not been checked against sounder traces, but have been checked for plausibility and, where possible, against the digital sounder data.

All probes were T-7's, except where noted

Some specific comments follow :

<u>Cruise</u>	<u>Comments</u>
Fr 4/88	the digitising was not working well on the sounder, so all the bottom depths look very 'round', as they were read from the paper trace.
Fr 5/88	four different types of probes were used : T-10 for drops 3-7, 155-160 T-5 for drops 50-53, 67-69, 95-98, 100 and 104-105 T-4 for drop 154 T-7 for all other drops There seems to be some calibration problem between the different types of probes (see drops 65 through 71) The comments about the sounder depths for FR 4/88 also apply.
Fr 10/89	a number of odd looking features were confirmed by nearby CTD stations
Fr 13/89	as the cruise was looking for and passing in and out of eddies the temperature structure often varies substantially between adjacent drops.

Processed CTD data format

There is one file for an entire cruise. File names are in the format of VVYYCCCTD.DAT, where VV is the Vessel code (G9= RV Sprightly and FR = RV Franklin), YY is the year of the cruise and CC is the cruise number within that year. Each file consists of a CRUISE HEADER section, which has a station listing and processing notes included and a DETAILS SECTION for each station. All dates and times are UTC and South latitude is negative. Each station has information in its individual DETAILS SECTION as to which variables have been included for the station and the field widths of the data for each variable within each data cycle or depth and the number of data cycles within each station.

An example Cruise Header and Station Header is:

[illegible]

VESSEL CODE = FR YEAR = 85 CRUISE IDENTIFIER = 05

VESEL NAME R.V. FRANKLIN

START DATE OF CRUISE = 01-OCT-85

END DATE OF CRUISE = 05-NOV-85

CRUISE LEADER - Dr. M.J. Furnas

DATA PROCESSED BY - D.J.Vaudrey

DATE ARCHIVED 11-MAY-87

MINIMUM LATITUDE IN DATA = -20.985

MAXIMUM LATITUDE IN DATA = -9.895

MINIMUM LONGITUDE IN DATA = 145.020

MAXIMUM LONGITUDE IN DATA = 166.407

MAXIMUM SAMPLE PRESSURE IN DATA = 4788

ARCHIVE PROGRAM VERSION NUMBER = 0

222222222222222222 CRUISE COMMENTS 222222222222222222

1	0445	1-OCT-85	16:47.70S	146:07.09E	49	46
2	0719	1-OCT-85	16:37.40S	146:16.00E	100	90
3	1928	1-OCT-85	14:53.80S	146:26.36E	1899	1502

...A full station listing detailing station number, time and date (UTC) bottom depth and maximum cast pressure...

CTD Processing Notes:

D.J.Vaudrey and N.J.White:

Fr0585:

General:

Data Quality was poor to fair. Many problems were encountered with Unit 1 as previously discovered during Fr0485. Too few samples were collected

.....which includes calibration and offset details...

Which is followed by the first station header and the Data:

VESEL CODE = FR YEAR = 85 CRUISE ID = 05 STATION ID = 000001 DIP# = 01

START DATE - TIME =

BOTTOM DATE - TIME = 01-OCT-85 04:45:00

END DATE - TIME =

START POSITION = -16 47.700146 07.090

BOTTOM POSITION N

END POSITION =

DEPTH TO BOTTOM = 49

MAXIMUM SAMPLE PRESSURE = 48

NUMBER OF VARIABLES PER DATA CYCLE = 6

NUMBER OF DATA CYCLES ON STATION = 23

DATE STATION ARCHIVED = 11-MAY-87 CTD INSTRUMENT NUMBER = 1

ARCHIVE PROGRAM VERSION NUMBER = 0

[illegible]

VAR = 01 NAME AND UNITS = PRESSURE (db) FIELD WIDTH = 7

VAR = 03 NAME AND UNITS = TEMPERATURE (DEGREES C) FIELD WIDTH = 7

VAR = 05 NAME AND UNITS = SALINITY (PSU) FIELD WIDTH = 7

VAR = 54 NAME AND UNITS = NO. OBS. PRESSURE FIELD WIDTH = 7

VAR = 51 NAME AND UNITS = S.D. OF TEMPERATURE FIELD WIDTH = 6

VAR = 53 NAME AND UNITS = S.D. CONDUCTIVITY FIELD WIDTH = 6

6666666666666666666666 THERE ARE NO STATION COMMENTS 66666666666666666666

777777777777777777 END OF STATION HEADER 7777777777777777

2. 19.688 36.214 95 0.004 0.008 4. 19.696 36.215 106 0.004 0.006...

... 8. 19.690 36.214 105 0.003 0.004

10. 19.697 36.215 83 0.001 0.002 12. 19.692 36.212 109 0.003 0.007...

```
... 16. 19.686 36.212 100 0.000 0.000
```

```
....Data continues to Maximum sample pressure and then the next
Station Header...
```

[illegible]

The data file record length is an integer multiple of the sum of the data variable field widths for each cycle, the total of which is less than or equal to 216 characters. In the above case there are 4 data cycles per record and a FORTRAN Format statement would read.

READ(Data file,Fmt no.)(P(i),T(i),S(i),No(i),SDT(i),SDC(i),j=1,4)

222222222222222222 CRUISE COMMENTS 222222222222222222

[illegible]

04w	4.	24.164	35.223	6.	24.164	35.223	8.	24.166	35.223	10.	24.166	35.223
	20.	24.177	35.223	22.	24.177	35.223	24.	24.176	35.223	26.	24.176	35.223
	36.	24.179	35.224	38.	24.179	35.223	40.	24.180	35.223	42.	24.180	35.223
	52.	24.182	35.224	54.	24.183	35.224	56.	24.184	35.224	58.	24.184	35.224
	68.	24.185	35.223	70.	24.185	35.223	72.	24.186	35.224	74.	24.186	35.224
	84.	24.187	35.226	86.	24.188	35.226	88.	24.188	35.226	90.	24.188	35.226
	100.	23.884	35.620	102.	23.670	35.664	104.	23.626	35.667	106.	23.626	35.667
	116.	22.752	35.712	118.	22.644	35.718	120.	22.601	35.718	122.	22.601	35.718
	132.	22.050	35.734	134.	22.045	35.734	136.	21.971	35.732	138.	21.971	35.732
	148.	21.457	35.736	150.	21.349	35.735	152.	21.193	35.735	154.	21.193	35.735
	164.	20.925	35.733	166.	20.901	35.732	168.	20.785	35.730	170.	20.785	35.730
	180.	20.354	35.718	182.	20.334	35.717	184.	20.323	35.716	186.	20.323	35.716
	196.	20.266	35.716	198.	20.259	35.715	200.	20.246	35.715	202.	20.246	35.715
	212.	20.118	35.709	214.	20.090	35.707	216.	19.993	35.701	218.	19.993	35.701
	228.	19.612	35.677	230.	19.543	35.672	232.	19.486	35.667	234.	19.486	35.667
	244.	19.220	35.644	246.	19.199	35.643	248.	19.127	35.638	250.	19.127	35.638
	260.	18.559	35.593	262.	18.372	35.577	264.	18.277	35.569	266.	18.277	35.569
	276.	17.961	35.542	278.	17.893	35.537	280.	17.810	35.531	282.	17.810	35.531

292.	17.413	35.494	294.	17.407	35.493	296.	17.341	35.488	298.	17.
308.	16.981	35.453	310.	16.938	35.448	312.	16.857	35.442	314.	16.
324.	16.579	35.413	326.	16.449	35.401	328.	16.273	35.385	330.	16.
340.	15.841	35.361	342.	15.822	35.360	344.	15.802	35.360	346.	15.
356.	15.400	35.306	358.	15.355	35.302	360.	15.254	35.291	362.	15.
372.	14.908	35.260	374.	14.825	35.251	376.	14.683	35.239	378.	14.
388.	14.213	35.189	390.	14.141	35.181	392.	14.105	35.178	394.	14.
404.	13.830	35.150	406.	13.789	35.147	408.	13.727	35.142	410.	13.
420.	13.358	35.103	422.	13.341	35.101	424.	13.307	35.098	426.	13.
436.	12.873	35.053	438.	12.748	35.044	440.	12.674	35.034	442.	12.
452.	12.307	35.001	454.	12.259	34.996	456.	12.196	34.990	458.	12.
468.	11.879	34.963	470.	11.827	34.957	472.	11.742	34.950	474.	11.
484.	11.278	34.900	486.	11.209	34.894	488.	11.165	34.889	490.	11.
500.	11.063	34.878	502.	10.996	34.871	504.	10.949	34.865	506.	10.
516.	10.620	34.831	518.	10.610	34.830	520.	10.578	34.827	522.	10.
532.	10.297	34.798	534.	10.287	34.796	536.	10.278	34.795	538.	10.
548.	10.138	34.783	550.	10.123	34.781	552.	10.118	34.780	554.	10.
564.	9.912	34.761	566.	9.876	34.759	568.	9.871	34.756	570.	9.
580.	9.691	34.740	582.	9.683	34.738	584.	9.662	34.736	586.	9.
596.	9.414	34.715	598.	9.330	34.708	600.	9.323	34.702	602.	9.
612.	8.875	34.656	614.	8.830	34.650	616.	8.807	34.651	618.	8.
628.	8.458	34.615	630.	8.454	34.614	632.	8.436	34.613	634.	8.
644.	8.110	34.585	646.	8.001	34.579	648.	7.946	34.567	650.	7.
660.	7.826	34.560	662.	7.819	34.559	664.	7.806	34.558	666.	7.
676.	7.742	34.554	678.	7.711	34.553	680.	7.713	34.550	682.	7.
692.	7.509	34.535	694.	7.476	34.534	696.	7.461	34.531	698.	7.
708.	7.278	34.519	710.	7.265	34.518	712.	7.265	34.517	714.	7.
724.	7.094	34.505	726.	7.068	34.505	728.	7.068	34.503	730.	7.
740.	6.887	34.494	742.	6.885	34.493	744.	6.882	34.493	746.	6.
756.	6.717	34.484	758.	6.696	34.483	760.	6.625	34.479	762.	6.
772.	6.352	34.468	774.	6.342	34.468	776.	6.326	34.467	778.	6.
788.	6.203	34.461	790.	6.194	34.462	792.	6.171	34.462	794.	6.
804.	6.121	34.460	806.	6.118	34.460	808.	6.109	34.460	810.	6.
820.	5.998	34.458	822.	5.998	34.458	824.	5.994	34.457	826.	5.
836.	5.949	34.457	838.	5.925	34.459	840.	5.884	34.458	842.	5.
852.	5.809	34.458	854.	5.804	34.458	856.	5.776	34.460	858.	5.
868.	5.741	34.459	870.	5.739	34.459	872.	5.739	34.459	874.	5.
884.	5.731	34.459	886.	5.722	34.458	888.	5.690	34.457	890.	5.
900.	5.609	34.454	902							

```

10w
44444444444444444444 START STATION HEADER 44444444444444444444
VESSEL CODE = FR YEAR = 85 CRUISE ID = 03 STATION ID = 000004 DIP # = 01
START DATE - TIME =
BOTTOM DATE - TIME = 19-JUN-85 20:31:00
END DATE - TIME =
START POSITION = -20 26.130153 00.440
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM = 524
MAXIMUM SAMPLE PRESSURE = 506
NUMBER OF VARIABLES PER DATA CYCLE = 3

```



```

Number of stations :      29 (numbered 19 through 48)

This cruise was leg V of the Aurorex experiment. See the station
list for station positions, depths, etc.
33333333333333333333 END OF CRUISE HEADER 333333333333333333
44444444444444444444 START STATION HEADER 444444444444444444
VESSEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000019 DIP # = 01
START DATE - TIME = 08-JUL-82 00:39:00
BOTTOM DATE - TIME =
END DATE - TIME =
START POSITION = -38 55 0142 13 0
BOTTOM POSITION =
END POSITION =
DEPTH TO BOTTOM =
MAXIMUM SAMPLE PRESSURE = 192
NUMBER OF VARIABLES PER DATA CYCLE = 6
NUMBER OF DATA CYCLES ON STATION = 91
DATE STATION ARCHIVED = 16-AUG-88 CTD INSTRUMENT NUMBER = 0
ARCHIVE PROGRAM VERSION NUMBER = 0
55555555555555555555 VARIABLE DESCRIPTIONS 55555555555555555555
VAR = 01 NAME AND UNITS = PRESSURE (db) FIELD WIDTH = 7
VAR = 03 NAME AND UNITS = TEMPERATURE (DEGREES C) FIELD WIDTH = 7
VAR = 05 NAME AND UNITS = SALINITY (PSU) FIELD WIDTH = 7
VAR = 54 NAME AND UNITS = NO. OBS. PRESSURE FIELD WIDTH = 7
VAR = 51 NAME AND UNITS = S.D. OF TEMPERATURE FIELD WIDTH = 6
VAR = 53 NAME AND UNITS = S.D. CONDUCTIVITY FIELD WIDTH = 6
66666666666666666666 THERE ARE NO STATION COMMENTS 666666666666666666
////////////////////// END OF STATION HEADER ////////////////////////

```

[illegible]

```
10w
44444444444444444444 START STATION HEADER 44444444444444444444
VESSEL CODE = G9 YEAR = 82 CRUISE ID = 07 STATION ID = 000020 DIP # = 01
START DATE - TIME = 08-JUL-82 02:08:00
```

10w

10w

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
-----	-----	-----	-----	-----	-----	-----	-----	-----
9100129	C125	045990	9999	0910	09FA	1985/07/20	NULL	201102
9100129	C125	045991	9999	0910	09FA	1985/08/12	NULL	201103
9100129	C125	045992	9999	0910	09FA	1985/10/01	NULL	201104
9100129	C125	045993	9999	0910	09FA	1986/01/09	NULL	201105
9100129	C125	045994	9999	0910	09FA	1986/10/03	NULL	201106
9100129	C125	045995	9999	0910	09FA	1986/11/04	NULL	201107
9100129	C125	045996	9999	0910	09FA	1987/01/23	NULL	201108
9100129	C125	045997	9999	0910	09FA	1987/03/13	NULL	201109
9100129	C125	045998	9999	0910	09FA	1987/04/13	NULL	201110
9100129	C125	045999	9999	0910	09FA	1987/06/05	NULL	201111
9100129	C125	046000	9999	0910	09FA	1987/11/05	NULL	201112
9100129	C125	046001	9999	0910	09FA	1988/04/30	NULL	201113
9100129	C125	046002	9999	0910	09FA	1988/05/19	NULL	201114
9100129	C125	046003	9999	0910	09FA	1988/06/22	NULL	201115
9100129	C125	046004	9999	0910	09FA	1988/10/31	NULL	201116
9100129	C022	099001	9999	0910	09FA	1985/06/19	TV5982	201117
9100129	C022	099002	9999	0910	09FA	1985/07/20	TV5983	201118
9100129	C022	099003	9999	0910	09FA	1985/10/01	TV5984	201119
9100129	C022	099004	9999	0910	09FA	1985/12/04	TV5985	201120
9100129	C022	099005	9999	0910	09FA	1986/01/08	TV5986	201121
9100129	C022	099006	9999	0910	09FA	1986/05/22	TV5987	201122
9100129	C022	099007	9999	0910	09FA	1986/10/03	TV5988	201123
9100129	C022	099008	9999	0910	09FA	1986/11/04	TV5989	201124
9100129	C022	099009	9999	0910	09FA	1987/01/20	TV5990	201125
9100129	C022	099010	9999	0910	09FA	1987/03/12	TV5991	201126
9100129	C022	099011	9999	0910	09FA	1987/06/03	TV5992	201127
9100129	C022	099012	9999	0910	09FA	1987/08/04	TV5993	201128
9100129	C022	099013	9999	0910	09FA	1987/11/03	TV5994	201129
9100129	C022	099014	9999	0910	09FA	1988/02/21	TV5995	201130
9100129	C022	099015	9999	0910	09FA	1988/05/01	TV5996	201131
9100129	C022	099016	9999	0910	09FA	1988/06/22	TV5997	201132
9100129	C022	099017	9999	0910	09FA	1988/12/02	TV5998	201133
9100129	F022	TV5982	9999	0910	09FA	1985/06/19	NULL	201150
9100129	F022	TV5983	9999	0910	09FA	1985/07/20	NULL	201151
9100129	F022	TV5984	9999	0910	09FA	1985/10/01	NULL	201152
9100129	F022	TV5985	9999	0910	09FA	1985/12/04	NULL	201153
9100129	F022	TV5986	9999	0910	09FA	1986/01/08	NULL	201154
9100129	F022	TV5987	9999	0910	09FA	1986/05/22	NULL	201155
9100129	F022	TV5988	9999	0910	09FA	1986/10/03	NULL	201156
9100129	F022	TV5989	9999	0910	09FA	1986/11/04	NULL	201157
9100129	F022	TV5990	9999	0910	09FA	1987/01/20	NULL	201158
9100129	F022	TV5991	9999	0910	09FA	1987/03/12	NULL	201159
9100129	F022	TV5992	9999	0910	09FA	1987/06/03	NULL	201160
9100129	F022	TV5993	9999	0910	09FA	1987/08/04	NULL	201161
9100129	F022	TV5994	9999	0910	09FA	1987/11/03	NULL	201162
9100129	F022	TV5995	9999	0910	09FA	1988/02/21	NULL	201163
9100129	F022	TV5996	9999	0910	09FA	1988/05/01	NULL	201164
9100129	F022	TV5997	9999	0910	09FA	1988/06/22	NULL	201165
9100129	F022	TV5998	9999	0910	09FA	1988/12/02	NULL	201166
9100129	C022	099163	9999	0910	09FA	1985/06/19	TV5982	494187
9100129	C022	099164	9999	0910	09FA	1985/07/20	TV5983	494188
9100129	C022	099165	9999	0910	09FA	1985/10/01	TV5984	494189
9100129	C022	099166	9999	0910	09FA	1985/12/04	TV5985	494190
9100129	C022	099167	9999	0910	09FA	1986/01/08	TV5986	494191
9100129	C022	099168	9999	0910	09FA	1986/05/22	TV5987	494192
9100129	C022	099169	9999	0910	09FA	1986/10/03	TV5988	494193

9100129	C022	099170	9999	0910	09FA	1986/11/04	TV5989	494194
9100129	C022	099171	9999	0910	09FA	1987/01/20	TV5990	494195
9100129	C022	099172	9999	0910	09FA	1987/03/12	TV5991	494196
9100129	C022	099173	9999	0910	09FA	1987/06/03	TV5992	494197
9100129	C022	099174	9999	0910	09FA	1987/08/04	TV5993	494198
9100129	C022	099175	9999	0910	09FA	1987/11/03	TV5994	494199
9100129	C022	099176	9999	0910	09FA	1988/02/21	TV5995	494200
9100129	C022	099177	9999	0910	09FA	1988/05/01	TV5996	494201
9100129	C022	099178	9999	0910	09FA	1988/06/22	TV5997	494202
9100129	C022	099179	9999	0910	09FA	1988/12/02	TV5998	494203
9100129	C022	099018	9999	0910	09SY	1982/07/09	TV5999	201134
9100129	C022	099019	9999	0910	09SY	1983/05/16	TV6000	201135
9100129	C022	099020	9999	0910	09SY	1983/06/13	TW0373	201136
9100129	C022	099021	9999	0910	09SY	1983/09/07	TW0374	201137
9100129	C022	099022	9999	0910	09SY	1983/10/13	TW0375	201138
9100129	C022	099023	9999	0910	09SY	1983/11/08	TW0376	201139
9100129	C022	099024	9999	0910	09SY	1983/12/07	TW0377	201140
9100129	C022	099025	9999	0910	09SY	1984/01/09	TW0379	201141
9100129	C022	099026	9999	0910	09SY	1984/02/09	TW0380	201142
9100129	C022	099027	9999	0910	09SY	1984/03/11	TW0381	201143
9100129	C022	099028	9999	0910	09SY	1984/03/24	TW0382	201144
9100129	C022	099029	9999	0910	09SY	1984/07/08	TW0383	201145
9100129	C022	099030	9999	0910	09SY	1983/05/04	TW0384	201146
9100129	C022	099031	9999	0910	09SY	1984/07/09	TW0385	201147
9100129	C022	099032	9999	0910	09SY	1984/08/03	TW0386	201148
9100129	C022	099033	9999	0910	09SY	1984/09/02	TW0378	201149
9100129	F022	TV5999	9999	0910	09SY	1982/07/09	NULL	201167
9100129	F022	TV6000	9999	0910	09SY	1983/05/16	NULL	201168
9100129	F022	TW0373	9999	0910	09SY	1983/06/13	NULL	201169
9100129	F022	TW0374	9999	0910	09SY	1983/09/07	NULL	201170
9100129	F022	TW0375	9999	0910	09SY	1983/10/13	NULL	201171
9100129	F022	TW0376	9999	0910	09SY	1983/11/08	NULL	201172
9100129	F022	TW0377	9999	0910	09SY	1983/12/07	NULL	201173
9100129	F022	TW0378	9999	0910	09SY	1984/01/09	NULL	201174
9100129	F022	TW0379	9999	0910	09SY	1984/02/09	NULL	201175
9100129	F022	TW0380	9999	0910	09SY	1984/03/11	NULL	201176
9100129	F022	TW0381	9999	0910	09SY	1984/03/24	NULL	201177
9100129	F022	TW0382	9999	0910	09SY	1984/07/08	NULL	201178
9100129	F022	TW0383	9999	0910	09SY	1983/05/04	NULL	201179
9100129	F022	TW0384	9999	0910	09SY	1984/07/09	NULL	201180
9100129	F022	TW0385	9999	0910	09SY	1984/08/03	NULL	201181
9100129	F022	TW0386	9999	0910	09SY	1984/09/02	NULL	201182

(98 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
9100129	C125	045990	09FA	22	22	85/07/20	85/07/30
9100129	C125	045991	09FA	62	62	85/08/12	85/08/23
9100129	C125	045992	09FA	71	71	85/10/01	85/11/04
9100129	C125	045993	09FA	105	105	86/01/09	86/02/12
9100129	C125	045994	09FA	57	57	86/10/03	86/10/14
9100129	C125	045995	09FA	22	22	86/11/04	86/11/11
9100129	C125	045996	09FA	9	9	87/01/23	87/01/24
9100129	C125	045997	09FA	179	179	87/03/13	87/04/02
9100129	C125	045998	09FA	32	32	87/04/13	87/04/20
9100129	C125	045999	09FA	73	73	87/06/05	87/06/22
9100129	C125	046000	09FA	14	14	87/11/05	87/11/12
9100129	C125	046001	09FA	2	1	88/04/30	88/04/30
9100129	C125	046002	09FA	57	57	88/05/19	88/05/24
9100129	C125	046003	09FA	138	138	88/06/22	88/07/17
9100129	C125	046004	09FA	9	9	88/10/31	88/11/01
9100129	C022	099001	09FA	50	83	85/06/19	85/06/26
9100129	C022	099002	09FA	88	165	85/07/20	85/08/22
9100129	C022	099003	09FA	124	213	85/10/01	85/11/03
9100129	C022	099004	09FA	59	99	85/12/04	85/12/17
9100129	C022	099005	09FA	109	193	86/01/08	86/02/06
9100129	C022	099006	09FA	46	91	86/05/22	86/06/02
9100129	C022	099007	09FA	29	36	86/10/03	86/10/13
9100129	C022	099008	09FA	74	119	86/11/04	86/11/19
9100129	C022	099009	09FA	103	152	87/01/20	87/02/16
9100129	C022	099010	09FA	108	184	87/03/12	87/03/27
9100129	C022	099011	09FA	59	89	87/06/03	87/06/22
9100129	C022	099012	09FA	101	NULL	87/08/04	87/08/22
9100129	C022	099013	09FA	115	NULL	87/11/03	87/11/20
9100129	C022	099014	09FA	90	114	88/02/21	88/03/15
9100129	C022	099015	09FA	38	72	88/05/01	88/05/17
9100129	C022	099016	09FA	102	192	88/06/22	88/07/17
9100129	C022	099017	09FA	52	84	88/12/02	88/12/16
9100129	F022	TV5982	09FA	50	4264	85/06/19	85/06/26
9100129	F022	TV5983	09FA	88	14000	85/07/20	85/08/22
9100129	F022	TV5984	09FA	124	16174	85/10/01	85/11/03
9100129	F022	TV5985	09FA	59	6216	85/12/04	85/12/17
9100129	F022	TV5986	09FA	109	14872	86/01/08	86/02/06
9100129	F022	TV5987	09FA	46	3516	86/05/22	86/06/02
9100129	F022	TV5988	09FA	29	728	86/10/03	86/10/13
9100129	F022	TV5989	09FA	74	8222	86/11/04	86/11/19
9100129	F022	TV5990	09FA	103	10169	87/01/20	87/02/16
9100129	F022	TV5991	09FA	108	13647	87/03/12	87/03/27
9100129	F022	TV5992	09FA	59	4262	87/06/03	87/06/22
9100129	F022	TV5993	09FA	101	11264	87/08/04	87/08/22
9100129	F022	TV5994	09FA	115	3931	87/11/03	87/11/20
9100129	F022	TV5995	09FA	90	3270	88/02/21	88/03/15
9100129	F022	TV5996	09FA	38	3291	88/05/01	88/05/17
9100129	F022	TV5997	09FA	102	13710	88/06/22	88/07/17
9100129	F022	TV5998	09FA	52	3485	88/12/02	88/12/16
9100129	C022	099163	09FA	50	4264	85/06/19	85/06/26
9100129	C022	099164	09FA	88	14000	85/07/20	85/08/22
9100129	C022	099165	09FA	124	16174	85/10/01	85/11/03
9100129	C022	099166	09FA	59	6216	85/12/04	85/12/17
9100129	C022	099167	09FA	109	14872	86/01/08	86/02/06
9100129	C022	099168	09FA	46	3516	86/05/22	86/06/02
9100129	C022	099169	09FA	29	728	86/10/03	86/10/13

9100129	C022	099170	09FA	74	8222	86/11/04	86/11/19
9100129	C022	099171	09FA	103	10169	87/01/20	87/02/16
9100129	C022	099172	09FA	108	13647	87/03/12	87/03/27
9100129	C022	099173	09FA	59	4262	87/06/03	87/06/22
9100129	C022	099174	09FA	101	11267	87/08/04	87/08/22
9100129	C022	099175	09FA	115	3936	87/11/03	87/11/20
9100129	C022	099176	09FA	90	3270	88/02/21	88/03/15
9100129	C022	099177	09FA	38	3291	88/05/01	88/05/17
9100129	C022	099178	09FA	102	13710	88/06/22	88/07/17
9100129	C022	099179	09FA	52	3485	88/12/02	88/12/16
9100129	C022	099018	09SY	29	40	82/07/09	82/07/18
9100129	C022	099019	09SY	19	19	83/05/16	83/05/23
9100129	C022	099020	09SY	49	52	83/06/13	83/06/20
9100129	C022	099021	09SY	38	47	83/09/07	83/09/23
9100129	C022	099022	09SY	77	105	83/10/13	83/10/24
9100129	C022	099023	09SY	118	172	83/11/08	83/11/21
9100129	C022	099024	09SY	107	149	83/12/07	83/12/21
9100129	C022	099025	09SY	131	198	84/01/09	84/01/23
9100129	C022	099026	09SY	129	183	84/02/09	84/02/22
9100129	C022	099027	09SY	5	7	84/03/11	84/03/12
9100129	C022	099028	09SY	6	7	84/03/24	84/03/25
9100129	C022	099029	09SY	6	8	84/07/08	84/07/09
9100129	C022	099030	09SY	52	1	83/05/04	83/05/04
9100129	C022	099031	09SY	67	72	84/07/09	84/07/17
9100129	C022	099032	09SY	66	98	84/08/03	84/08/16
9100129	C022	099033	09SY	131	55	84/09/02	84/09/14
9100129	F022	TV5999	09SY	29	1164	82/07/09	82/07/18
9100129	F022	TV6000	09SY	19	452	83/05/16	83/05/23
9100129	F022	TW0373	09SY	49	1216	83/06/13	83/06/20
9100129	F022	TW0374	09SY	38	1598	83/09/07	83/09/23
9100129	F022	TW0375	09SY	77	4539	83/10/13	83/10/24
9100129	F022	TW0376	09SY	118	8243	83/11/08	83/11/21
9100129	F022	TW0377	09SY	107	6137	83/12/07	83/12/21
9100129	F022	TW0378	09SY	131	9352	84/01/09	84/01/23
9100129	F022	TW0379	09SY	130	8342	84/02/09	84/02/22
9100129	F022	TW0380	09SY	4	467	84/03/11	84/03/11
9100129	F022	TW0381	09SY	5	259	84/03/24	84/03/25
9100129	F022	TW0382	09SY	6	226	84/07/08	84/07/09
9100129	F022	TW0383	09SY	1	4	83/05/04	83/05/04
9100129	F022	TW0384	09SY	52	2430	84/07/09	84/07/17
9100129	F022	TW0385	09SY	67	3269	84/08/03	84/08/16
9100129	F022	TW0386	09SY	43	1954	84/09/02	84/09/14

(98 rows affected)