

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9300170	079930	C116		313F	310C	CO2-86-O	06/20/86	06/20/86	1	1
9300170	079931	C116		313F	310C	CO2-86-O	07/01/86	07/23/86	58	58
9300170	079932	C116		313F	3175	EP1-87-R	04/13/87	05/17/87	161	161
9300170	079933	C116		313F	31DS	EP2-79-D	02/28/79	03/01/79	30	30
9300170	079934	C116		313F	31DS	EP6-83-D	11/11/83	12/03/83	92	92
9300170	079935	C116		313F	310C	TW1-87-O	05/20/87	07/27/87	246	246
9300170	079936	C116		313F	3175	EP1-89-M	03/14/89	03/16/89	5	5
9300170	079937	C116		313F	3175	EP1-89-M	03/29/89	04/01/89	9	9
9300170	079938	C116	EP2s	313F	310C	EP2-88-O	06/17/88	07/09/88	133	133
9300170	079939	C116		313F	3175	EP2-89-M	04/05/89	05/03/89	109	109
9300170	079940	C116		313F	310C	EP4-88-O	10/15/88	12/10/88	179	179
9300170	079941	C116		313F	3175	TG1-89-M	05/10/89	06/28/89	168	168
9300170	079942	C116		313F	3175	CG1-90-M	02/23/90	05/22/90	252	252
9300170	079943	C116		313F	76X9	PR1-87-X	09/21/87	10/24/87	201	201
9300170	079944	C116	BGA	313F	76X9	PR4-86-X	12/07/86	12/18/86	46	46
9300170	079945	C116	TRX	313F	31DS	TG1-91-D	07/09/91	07/27/91	65	65

— = duplicates

DDF038
93-002

ACCESSION NO. 9300170 FILETYPE XBT

TRACK NO. _____

PROJECT IDENTIFICATION _____

TEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRCL	BLK SIZE	NO. RECORDS
ORIG. TAPE		FJM	D05169	1	80	2400	266,863
DUPLICATE TAPE 'W' COPY	10/27/93	CMH	W78031	1			266,863
REFORMATTED TAPE ^{ORIG.}		FJM	D05170	1			267,665
REFORMATTED DISK 'W' COPY	10/27/93	CMH	W78032	1			267,665
FIRST MULCHEK ORIG.		FJM	D05171	1			271,209
FINAL MULCHEK 'W' COPY	10/27/93	CMH	W78033	1	✓	✓	271,209
PD75 OR F022 ^{Stein's} TAPE	3-6-94	RPS	W59449 *	1	✓	✓	179
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = DNODCK PMELOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

REQUEST FOR ADP SERVICES

User Name <i>Cliff Hartley</i>	Phone # <i>606-4636</i>	Org/Task <i>EG1200SN/3AM</i>	Submit Date <i>10/26/93</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:

Tape Copy

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 assign 'W' cartridge.
Put cartridge listing in Bin #9*

JOB INPUT

Id#/Filename: DD5169

MEDIUM: Tape () Disk () Diskette () Other Specify: _____
 CODE: ASCII () EBCDIC () Binary () Other Specify: _____
 Tape Specs: () 800 () 1600 2400 () 3200 () 4000
 MAX Record Length: _____ 80 MAX Blocksize: _____ 2400

JOB OUTPUT

Id#/Filename: W78031

Medium: () Tape () Disk () Diskette Other Specify: Cartridge
 Code: ASCII () EBCDIC () Binary () Other Specify: _____
 Tape Specs: () 800 () 1600 () 6250 NL () SL
 MAX Record Length: _____ 80 MAX Blocksize: _____ 2400

(OCJ Use Only)

JOB Number: *93102641*
Completed By: *JH*

Date/Time Start: *10/27/93/10:10*
 Date/Time Completed: *10/27/93/10:40*

9300170

REQUEST FOR AID SERVICE

User Name <i>Cliff Hartley</i>	Phone # <i>606-4636</i>	Org/Task <i>EG12005N3M</i>	Submit Date <i>10/26/93</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:::

Tape Copy

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 assign 'W' cartridge
Put cartridge listing in Bin #9*

JOB INPUT

Id#/Filename: *D05170*

Medium: Tape Disk Diskette Other Specify: _____
 Code: ASCII EBCDIC Binary Other Specify: _____
 Tape Specs: 800 1600 6250 NL SL
 MAX Record Length: _____ *80* MAX Blocksize: _____ *2400*

JOB OUTPUT

Id#/Filename: *W78032*

Medium: Tape Disk Diskette Other Specify: *Cartridge*
 Code: ASCII EBCDIC Binary Other Specify: _____
 Tape Specs: 800 1600 6250 NL SL
 MAX Record Length: _____ *80* MAX Blocksize: _____ *2400*

(OCJ Use Only)

JOB Number: *93102602*

Date/Time Start: *10/27/93/12:30*

Completed By: *as*

Date/Time Completed: *10/27/93/12:55*

9300170

REQUEST FOR AID SERVICES

User Name <i>Cliff Hartley</i>	Phone # <i>606-4636</i>	Org/Task <i>EG1200SN/3M</i>	Submit Date <i>10/26/93</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:

Tape Copy

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 assign 'W' cartridge
Put cartridge listing in Bin #9*

JOB INPUT

Id#/Filename: *D05171*

Medium: Tape Disk Diskette Other Specify:
Code: ASCII EBCDIC Binary Other Specify:

Tape Specs: 800 1600 6250 NL SL

MAX Record Length: *80* MAX Blocksize: *2400*

JOB OUTPUT

Id#/Filename: *W78033*

Medium: Tape Disk Diskette Other Specify: *Cartridge*

Code: ASCII EBCDIC Binary Other Specify:

Tape Specs: 800 1600 6250 NL SL

MAX Record Length: *80* MAX Blocksize: *2400*

(OC3 Use Only)

JOB Number: *93102603*

Completed By: *98*

Date/Time Start: *10/27/93/13:00*

Date/Time Completed: *10/27/93/13:23*

9300170

TRANSMITTAL AND RECEIPT RECORD
(Please sign and return carbon copy acknowledging receipt)

TO: NOAA/NESDIS/NODC 1825 Connecticut Ave NW Washington DC 20235	REFER TO 9300170
	ATTENTION E/OC13, Dr. Anthony R. Picciolo

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

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

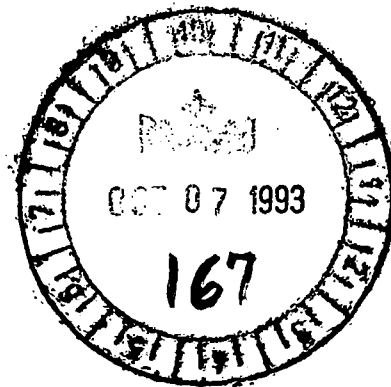
Enclosed, find documentation and three (3) magnetic tapes containing a total of 1755 files of one meter interpolated XBT data resultant from 21 cruises. Data from programs include EPOCS, TOGA, CO2, Climate and Global Change (CGC), TEW and the US-PRC TOGA program. Cruise periods range from 1979 through 1991. These data were contributed by Ms. Margie McCarty, PMEL/OCRD division.

Tape specs: 9 track, ASCII, 1600 bpi, odd parity, single file

*Tape 1 = DNODC * 9300170-1. (Disk)
266,862 Records*

cc: Ms. Margie McCarty, NOAA/PMEL/OCRD div.

*A01718
A01719
A01720*



FORWARDED BY (Signature) <i>Sid Stillwaugh</i> Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 9/29/93
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

Tape 1:

Cruise	Date Range
CO2-86	20 Jun 86 - 23 Jul 86
EP1-87	14 Apr 87 - 17 May 87
EP2-79	29 Jan 79 - 21 Feb 79
EP6-83	10 Nov 83 - 06 Dec 83
TW1-87	20 May 87 - 01 Jun 87
TW2-87	06 Jun 87 - 05 Jul 87
TW3-87	13 Jul 87 - 27 Jul 87

Tape 2:

Cruise	Date Range
EP1-89	14 Mar 89 - 01 Apr 89
EP2-88	17 Jun 88 - 09 Jul 88
EP2-89	10 Jul 89 - 06 Aug 89
EP4-88	13 Oct 88 - 10 Nov 88
EP5-88	14 Nov 88 - 11 Dec 88
TG1-89	10 May 89 - 01 Jun 89
TG2-89	08 Jun 89 - 28 Jun 89

Tape 3:

Cruise	Date Range
CG1-90	23 Feb 90 - 21 Mar 90
CG2-90	27 Mar 90 - 16 Apr 90
EP1-90	21 Apr 90 - 22 May 90
TG1-91	09 Jul 91 - 27 Jul 91
PR4-86	07 Dec 86 - 18 Dec 86
PR1-87	21 Sep 87 - 07 Oct 87
PR2-87	13 Oct 87 - 24 Oct 87



Tape 1:

Cruise	Date Range	Notes
-CO2-86	20 Jun 86 - 23 Jul 86	- Oceanographer
-EP1-87	14 Apr 87 - 17 May 87	- Researcher
EP2-79	29 Jan 79 - 21 Feb 79	- Discoverer
-EP6-83	10 Nov 83 - 06 Dec 83	- Discoverer
TW1-87	20 May 87 - 01 Jun 87	- O Oceanographer
TW2-87	06 Jun 87 - 05 Jul 87	- O Oceanographer
TW3-87	13 Jul 87 - 27 Jul 87	- O Oceanographer

} 588

Tape 2:

Cruise	Date Range	Notes
EP1-89	14 Mar 89 - 01 Apr 89	- Malcolm Baldrige
-EP2-88	17 Jun 88 - 09 Jul 88	- O Oceanographer
EP2-89	10 Jul 89 - 06 Aug 89	- Malcolm Baldrige
-EP4-88	13 Oct 88 - 10 Nov 88	- Oceanographer
-EP5-88	14 Nov 88 - 11 Dec 88	- O Oceanographer
-TG1-89	10 May 89 - 01 Jun 89	- Malcolm Baldrige
-TG2-89	08 Jun 89 - 28 Jun 89	- " "

} 603

Tape 3:

Cruise	Date Range	Notes
-CG1-90	23 Feb 90 - 21 Mar 90	- Malcolm Baldrige
-CG2-90	27 Mar 90 - 16 Apr 90	- Malcolm Baldrige
EP1-90	21 Apr 90 - 22 May 90	- " "
-TG1-91	09 Jul 91 - 27 Jul 91	- Discoverer
-PR4-86	07 Dec 86 - 18 Dec 86	- Xiangyanghong #14
* PR1-87	21 Sep 87 - 07 Oct 87	- " "
* PR2-87	13 Oct 87 - 24 Oct 87	- " "

} 564

Total → 1755 files

* - cassettes of these data previously sent (9 cassettes)

TAPE 1

(TAPE 1)

ACCESSION NUMBER

9300170

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20235

FORM APPROVED O.M.B. No. 41-R2651 EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED CO ₂ /RITS		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT CO ₂ -86	
4. PLATFORM NAME(S) Oceanographer 310C	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		7. FROM: MO/DAY/YR	TO: MO/DAY/YR
		US	US
		6/20/86	7/23/86
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy CoCarty (206) 526-6745			

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

(see attached sheets)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(see attached sheets)

3. ATTRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Ms. Margy McCarty (206) 526-6745
 ADDRESS NOAA/PMEL, 7600 Sand Point Way NE, Seattle, WA 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>ASCII XBT DATA 588 FILES</p> <p>CRUISES: C02-86, EP1-87, EP2-79, EP6-83, TW1-87, TW2-87, TW3-87</p> <p>NINE TRACK, ASCII, 1600 BPI, ODD PARITY</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p>

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Equatorial Pacific Ocean Climate Studies (EPOCS)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT EP1-87-RS	
4. PLATFORM NAME(S) Researcher 3175	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR US US	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 4/13/87 4/14/87 5/17/87
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			

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Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Equatorial Pacific Ocean Climate Studies (EPOCS)		EP2-79- X OI	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer 310C	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	2/28/79 3/1/79 1/29/79 2/21/79
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

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Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Equatorial Pacific Ocean Climate Studies (EPOCS)		EP6-83-DI	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY (IES)	7. DATES
Discoverer 3IDS	ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		US US	11/11/83 12/03/83 11/10/83 12/06/83 <i>needs sorting</i>
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Transports of Equatorial Waters (TEW)		TW1-87	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer 310C	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	5/20/87 6/1/87
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Transport of Equatorial Waters (TEW)		TW2-87 <i>one cruise</i>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer 310C	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	6/6/87 7/5/87
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
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DATA DOCUMENTATION FORM

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p style="text-align: center;">Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p style="text-align: center;">Transport of Equatorial Waters (TEW)</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p style="text-align: center;">TW3-87 <i>see Cruise</i></p>									
<p>4. PLATFORM NAME(S)</p> <p style="text-align: center;">Oceanographer <i>3 LOC</i></p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p style="text-align: center;">ship</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">PLATFORM</th> <th style="width:50%;">OPERATOR</th> </tr> <tr> <td style="text-align: center;">US</td> <td style="text-align: center;">US</td> </tr> </table>	PLATFORM	OPERATOR	US	US	<p>7. DATES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">FROM: MO, DAY, YR</th> <th style="width:50%;">TO: MO, DAY, YR</th> </tr> <tr> <td style="text-align: center;">7/13/87</td> <td style="text-align: center;">7/27/87</td> </tr> </table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	7/13/87	7/27/87
PLATFORM	OPERATOR										
US	US										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
7/13/87	7/27/87										
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p style="text-align: center;">IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p style="text-align: center;">GENERAL AREA</p>									
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?</p> <p>(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>											
<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p style="text-align: center;">Ms. Margy McCarty (206) 526-6745</p>											

XBT

NOAA / PMEL / OCRD Data Format Description

XBT

Magnetic tapes containing cast data have the following characteristics:

- 1) 9-track
- 2) ASCII
- 3) Odd Parity
- 4) 1600 BPI
- 5) Single file
- 6) End-of-file mark - Octal 17

7) Blocking: Tapes have 80-character records blocked 30 records/block, and therefore have 2400 characters/block. The last block on the tape may contain fewer than 2400 characters/block.

8) Data Format: The enclosed data listing shows the format of the data on the tape. The listing format differs from the tape only in that the listing is of subsampled data. On this listing, there is a data header consisting of 5 80-character lines. Line 5 of the header records contains the variable codes for the data that is included in the file. These variable codes are identified in attached listing. The data scans themselves follow sequentially (F8.1,9F8.3).

The number of variables in each data scan is in columns 79-80 of line 3 in the data header. The number of data scans in each cast is in columns 55-60 of line 3 in the data header (see listing).

9) The cast data files are in the order shown on the attached listing.

.CAST CO2-86-OC -001 DATE 20 JUN 86 TIME 0559 GMT XBT WITH T-4 PROBE
LAT 19 58.9N LONG 156 14.4W WEATHER SEA STATE 11:52 7-AUG-92 C F
BAROMETER WIND DIR T SPD KT VISIBILITY 439 1.0 439.0 1.0 2
CLOUD AMOUNT AT SST DEPTH M M. MCCARTY/PMEL

3 20
00.0 20.237
00.0 14.729
300.0 11.330
400.0 8.257

Data Variables Contained on NOAA/PMEL/OCRD CTD Data Tape:

3 DEPTH (M)
20 TEMPERATURE (C)

Following casts were written to CTD Data Tape:

Cruise	#	NSCANS
CO2-86-OC	-001	439
CO2-86-OC	-003	457
CO2-86-OC	-005	459
CO2-86-OC	-006	459
CO2-86-OC	-007	439
CO2-86-OC	-008	459
CO2-86-OC	-011	439
CO2-86-OC	-012	459
CO2-86-OC	-013	439
CO2-86-OC	-014	459
CO2-86-OC	-015	439
CO2-86-OC	-016	459
CO2-86-OC	-017	439
CO2-86-OC	-018	459
CO2-86-OC	-019	459
CO2-86-OC	-020	459
CO2-86-OC	-021	459
CO2-86-OC	-022	459
CO2-86-OC	-023	439
CO2-86-OC	-024	459
CO2-86-OC	-025	439
CO2-86-OC	-026	459
CO2-86-OC	-027	459
CO2-86-OC	-028	436
CO2-86-OC	-029	459
CO2-86-OC	-030	459
CO2-86-OC	-031	459
CO2-86-OC	-032	439
CO2-86-OC	-033	459
CO2-86-OC	-035	439
CO2-86-OC	-036	437
CO2-86-OC	-038	459
CO2-86-OC	-039	439
CO2-86-OC	-040	459
CO2-86-OC	-041	439
CO2-86-OC	-042	459
CO2-86-OC	-043	459
CO2-86-OC	-044	439
CO2-86-OC	-045	439
CO2-86-OC	-046	458
CO2-86-OC	-047	439
CO2-86-OC	-048	459
CO2-86-OC	-049	459
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CO2-86-OC	-052	459
CO2-86-OC	-053	459
CO2-86-OC	-054	451
CO2-86-OC	-055	456
CO2-86-OC	-057	459
CO2-86-OC	-059	455

CO2-86-OC	-060	459
CO2-86-OC	-061	439
CO2-86-OC	-062	439
CO2-86-OC	-063	459
CO2-86-OC	-064	300
CO2-86-OC	-065	459
CO2-86-OC	-066	459
CO2-86-OC	-067	459
EP1-87-RS	37	100
EP1-87-RS	38	266
EP1-87-RS	39	759
EP1-87-RS	40	759
EP1-87-RS	41	759
EP1-87-RS	42	759
EP1-87-RS	43	759
EP1-87-RS	44	759
EP1-87-RS	45	759
EP1-87-RS	46	759
EP1-87-RS	47	759
EP1-87-RS	48	759
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EP1-87-RS	57	150
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EP1-87-RS	89	460
EP1-87-RS	90	460
EP1-87-RS	91	460
EP1-87-RS	92	460
EP1-87-RS	93	460
EP1-87-RS	94	460

59

58

EP1-87-RS	95	460
EP1-87-RS	96	460
EP1-87-RS	97	460
EP1-87-RS	98	460
EP1-87-RS	99	460
EP1-87-RS	100	460
EP1-87-RS	101	460
EP1-87-RS	102	305
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EP1-87-RS	106	460
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EP2-79-DI	-913	302
EP2-79-DI	-914	299
EP2-79-DI	-915	294
EP2-79-DI	-917	307
EP2-79-DI	-918	309
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EP2-79-DI	-929	276
EP2-79-DI	-930	92

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TW2-87-OC	102	459
TW2-87-OC	103	459
TW2-87-OC	105	459
TW2-87-OC	106	459
TW2-87-OC	107	459
TW2-87-OC	108	459

63

43

TW2-87-OC	109	459
TW2-87-OC	110	459
TW2-87-OC	111	459
TW2-87-OC	112	459
TW2-87-OC	113	459
TW2-87-OC	114	459
TW2-87-OC	115	459
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101

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TW3-87-OC	247	459
TW3-87-OC	248	459
TW3-87-OC	249	459
TW3-87-OC	250	459
TW3-87-OC	251	459

Total number of CTD casts written out = 588

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20235

FORM APPROVED O.M.B. No. 41-R2651 EXPIRES 1-81

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Pacific Marine Environmental Laboratory, NOAA/
7600 Sand Point Way NE.
Seattle, WA 98115

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

Equatorial Pacific Ocean Climate Studies (EPOCS)

3. CRUISE NUMBER(S) USED IN THIS SHIPMENT

EP1-89-MB

4. PLATFORM NAME(S)

Malcolm
Ballbridge
3175

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)

ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR
US	US	3/14/89	4/1/89

7. DATES

8. ARE DATA PROPRIETARY?

NO YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

NO YES PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Ms. Margy McCarty
(206) 526-6745

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

**1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE**

(see attached sheets)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(see attached sheets)

3. ATTRIBUTES AS EXPRESSED IN

<input type="checkbox"/> PL-1	<input type="checkbox"/> ALGOL	<input type="checkbox"/> COBOL
<input type="checkbox"/> FORTRAN	<input type="checkbox"/> _____	LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Ms. Margy McCarty, (206) 526-6745

ADDRESS NOAA/PMEL, 7600 Sand Point Way NE, Seattle, WA 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> BCD</td> <td><input type="checkbox"/> BINARY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ASCII</td> <td><input type="checkbox"/> EBCDIC</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>	
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY							
<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC							
<input type="checkbox"/> _____								
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> SEVEN</td> </tr> <tr> <td><input checked="" type="checkbox"/> NINE</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> SEVEN	<input checked="" type="checkbox"/> NINE	<input type="checkbox"/> _____	<p>10. END OF FILE MARK</p> <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> OCTAL 17</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table>	<input checked="" type="checkbox"/> OCTAL 17	<input type="checkbox"/> _____		
<input type="checkbox"/> SEVEN								
<input checked="" type="checkbox"/> NINE								
<input type="checkbox"/> _____								
<input checked="" type="checkbox"/> OCTAL 17								
<input type="checkbox"/> _____								
<p>7. PARITY</p> <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> ODD</td> </tr> <tr> <td><input type="checkbox"/> EVEN</td> </tr> </table>	<input checked="" type="checkbox"/> ODD	<input type="checkbox"/> EVEN	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>ASCII XBT TAPE 603 CASTS CRUISES: EP1-89, EP2-88, EP2-89, EP4-88, EP5-88, TG1-89, TG2-89 NINE TRACK, ASCII, 1600 BPI, ODD PARITY</p>					
<input checked="" type="checkbox"/> ODD								
<input type="checkbox"/> EVEN								
<p>8. DENSITY</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 200 BPI</td> <td><input checked="" type="checkbox"/> 1600 BPI</td> </tr> <tr> <td><input type="checkbox"/> 556 BPI</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 800 BPI</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI	<input type="checkbox"/> 556 BPI		<input type="checkbox"/> 800 BPI		<input type="checkbox"/> _____	
<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI							
<input type="checkbox"/> 556 BPI								
<input type="checkbox"/> 800 BPI								
<input type="checkbox"/> _____								
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p>								
<p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p>								

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Equatorial Pacific Ocean Climate Studies (EPOCS)		EP2-88-OC	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer 310C	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	6/17/88 7/9/88
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Equatorial Pacific Ocean Climate Studies (EPOCS)		EP2-89-MB	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Malcolm Baldridge 3175	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	7/10/89 8/6/89 4/5/89 5/3/89
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Equatorial Pacific Ocean Climate Studies (EPOCS)		EP4-88-OC	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer 310C	ship	PLATFORM OPERATOR US US	FROM: MO/DAY/YR TO: MO/DAY/YR 10/15/88 10/13/88 11/10/88
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED			3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT			
Equatorial Pacific Ocean Climate Studies (EPOCS)			EP5-88-OC <i>same cruise as one before</i>			
4. PLATFORM NAME(S)		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)		6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES
Oceanographer 310C		ship		PLATFORM OPERATOR		FROM: MO, DAY, YR TO: MO, DAY, YR
				US US		11/14/88 12/14/88 <i>12/10/88</i>
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____			11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.			
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Tropical Ocean-Global Atmosphere (TOGA)		TG1-89-MB	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Malcolm Baldrige 3175	ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		US US	5/10/89 6/1/89
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
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RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Tropical Oceans and Global Atmosphere (TOGA)		TG2-89-MB <i>Same Cruise</i>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Malcolm Baldrige 3175	ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		US US	6/8/89 6/28/89
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			

XBT

NOAA / PMEL / OCRD Data Format Description

XBT

Magnetic tapes containing cast data have the following characteristics:

- 1) 9-track
 - 2) ASCII
 - 3) Odd Parity
 - 4) 1600 BPI
 - 5) Single file
 - 6) End-of-file mark - Octal 17
 - 7) Blocking: Tapes have 80-character records blocked 30 records/block, and therefore have 2400 characters/block. The last block on the tape may contain fewer than 2400 characters/block.
 - 8) Data Format: The enclosed data listing shows the format of the data on the tape. The listing format differs from the tape only in that the listing is of subsampled data. On this listing, there is a data header consisting of 5 80-character lines. Line 5 of the header records contains the variable codes for the data that is included in the file. These variable codes are identified in attached listing. The data scans themselves follow sequentially (F8.1,9F8.3).
- The number of variables in each data scan is in columns 79-80 of line 3 in the data header. The number of data scans in each cast is in columns 55-60 of line 3 in the data header (see listing).
- 9) The cast data files are in the order shown on the attached listing.

CAST EP1-89-MB 1 DATE 14 MAR 89 TIME 1157 GMT T-06
LAT 31 2.5N LONG 77 50.6W WEATHER SEA STATE 11:40 10-JUL-92 C ^
BAROMETER 0 WIND DIR 0 T SPD 0 KT VISIBILITY 459 1 459 1 2
CLOUD AMOUNT DRY 0.0 WET 0.0 DEPTH 860 M
3 20
100.0 22.640
200.0 21.470
300.0 18.850
400.0 18.206

Data Variables Contained on NOAA/PMEL/OCRD ~~CTD~~^{XBT} Data Tape:

3 DEPTH (M)

20 TEMPERATURE (C)

Following casts were written to ~~CTD~~^{XBT} Data Tape:

Cruise	#	NSCANS
EP1-89-MB	1	459
EP1-89-MB	2	459
EP1-89-MB	3	459
EP1-89-MB	4	459
EP1-89-MB	5	459
EP1-89-MB	6	150
EP1-89-MB	7	459
EP1-89-MB	8	459
EP1-89-MB	9	459
EP1-89-MB	10	250
EP1-89-MB	11	262
EP1-89-MB	12	459
EP1-89-MB	13	459
EP1-89-MB	14	459
EP2-88-OC	1	459
EP2-88-OC	2	459
EP2-88-OC	3	459
EP2-88-OC	4	459
EP2-88-OC	5	459
EP2-88-OC	6	459
EP2-88-OC	7	459
EP2-88-OC	8	459
EP2-88-OC	9	459
EP2-88-OC	10	459
EP2-88-OC	11	459
EP2-88-OC	12	459
EP2-88-OC	13	360
EP2-88-OC	14	459
EP2-88-OC	15	459
EP2-88-OC	16	459
EP2-88-OC	17	459
EP2-88-OC	18	459
EP2-88-OC	19	459
EP2-88-OC	20	459
EP2-88-OC	21	275
EP2-88-OC	22	459
EP2-88-OC	23	459
EP2-88-OC	24	459
EP2-88-OC	25	459
EP2-88-OC	26	459
EP2-88-OC	27	459
EP2-88-OC	28	459
EP2-88-OC	29	459
EP2-88-OC	30	452
EP2-88-OC	31	459
EP2-88-OC	32	459
EP2-88-OC	33	459
EP2-88-OC	34	459
EP2-88-OC	35	459
EP2-88-OC	36	459
EP2-88-OC	37	459

EP2-88-OC	38	459
EP2-88-OC	39	459
EP2-88-OC	40	459
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EP2-88-OC	62	459
EP2-88-OC	63	459
EP2-88-OC	64	459
EP2-88-OC	65	459
EP2-88-OC	66	459
EP2-88-OC	67	448
EP2-88-OC	68	102
EP2-88-OC	69	459
EP2-88-OC	70	459
EP2-88-OC	71	459
EP2-88-OC	72	459
EP2-88-OC	73	459
EP2-88-OC	74	459
EP2-88-OC	75	400
EP2-88-OC	76	459
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EP2-88-OC	79	459
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TG2-89-MB	237	459
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TG2-89-MB	255	459
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TG2-89-MB	260	459
TG2-89-MB	261	459
TG2-89-MB	262	459
TG2-89-MB	263	420
TG2-89-MB	264	459
TG2-89-MB	265	459
TG2-89-MB	266	459
TG2-89-MB	267	459
TG2-89-MB	268	459

TG2-89-MB	269	459
TG2-89-MB	270	169
TG2-89-MB	271	192
TG2-89-MB	272	459
TG2-89-MB	273	459
TG2-89-MB	274	459
TG2-89-MB	276	459
TG2-89-MB	277	459
TG2-89-MB	278	459
TG2-89-MB	279	459
TG2-89-MB	280	459
TG2-89-MB	281	459
TG2-89-MB	282	459
TG2-89-MB	283	459
TG2-89-MB	284	459
TG2-89-MB	285	459
TG2-89-MB	286	459
TG2-89-MB	287	200
TG2-89-MB	288	459
TG2-89-MB	289	459
TG2-89-MB	290	459
TG2-89-MB	291	459
TG2-89-MB	292	459
TG2-89-MB	293	459

Total number of CTD casts written out = 603

(TAPE 3)

ACCESSION
NUMBER

9300170

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

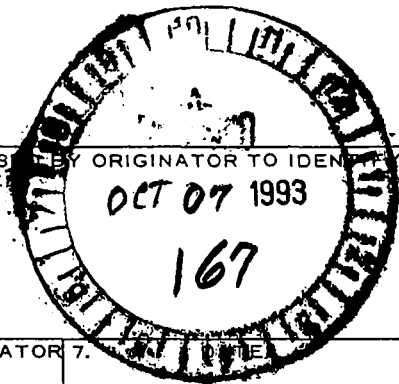
(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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Pacific Marine Environmental Laboratory, NOAA 7600 Sand Point Way NE Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Climate and Global Change		CG1-90-MB	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATE
Malcolm Baldrige 3175	ship	US	US
		PLATFORM	OPERATOR
		US	US
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		2/23/90	3/21/93
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			



C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

(see attached sheets)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(see attached sheets)

3. ATTRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Ms. Margy McCarty, (206) 526-6745

ADDRESS NOAA/PMEL, 7600 Sand Point Way NE, Seattle, WA 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) ASCII XBT DATA TAPE 564 CASTS CRUISES: CG1-90, CG2-90, EP1-90, TG1-91, PR4-86, PR1-87, PR2-87 NINE TRACK, ASCII 1600 BPI ODD PARITY</p>
<p>8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p>	
<p>13. LENGTH OF BYTES IN BITS</p>	

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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Pacific Marine Environmental Laboratory, NOAA, 7600 Sand Point Way NE Seattle, Wa 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Climate and Global Change		CG2-90-MB <i>0702 Cruise</i>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
Malcolm Baldrige 3175	ship	PLATFORM OPERATOR	
		US	US
		7. DATES	
		FROM: MO/DAY/YR TO: MO/DAY/YR	
		3/27/90 4/16/90	
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Margy McCarty (206) 526-6745			

DATA DOCUMENTATION FORM

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Equatorial Pacific Ocean Climate Studies		EPI-90-MB <i>one cruise</i>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Malcolm Baldrige 3175	ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		US US	4/21/90 5/22/90
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Tropical Oceans and Global Atmospheres		TG1-91-DI	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Discoverer 3105	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	7/9/91 7/27/91
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
US-PRC TOGA Program		PR4-86-XI	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Xiangyanghong #14 76X9	ship	PRC PRC	FROM: MO/DAY/YR TO: MO/DAY/YR 12/7/86 12/18/86
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
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US-PRC TOGA Program		PR1-87-XI	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Xiangyanghong #14	ship		
76X9		PRC	PRC
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		9/21/87	10/7/87
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
US-PRC TOGA Program		PR2-87-XL <i>one cruise</i>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Xiangyanghong #14 <i>76X9</i>	ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		PRC PRC	10/13/87 10/24/87
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
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XBT
NOAA / PMEL / OCRD Data Format Description

XBT

Magnetic tapes containing cast data have the following characteristics:

- 1) 9-track
- 2) ASCII
- 3) Odd Parity
- 4) 1600 BPI
- 5) Single file
- 6) End-of-file mark - Octal 17

7) Blocking: Tapes have 80-character records blocked 30 records/block, and therefore have 2400 characters/block. The last block on the tape may contain fewer than 2400 characters/block.

8) Data Format: The enclosed data listing shows the format of the data on the tape. The listing format differs from the tape only in that the listing is of subsampled data. On this listing, there is a data header consisting of 5 80-character lines. Line 5 of the header records contains the variable codes for the data that is included in the file. These variable codes are identified in attached listing. The data scans themselves follow sequentially (F8.1, 9F8.3).

The number of variables in each data scan is in columns 79-80 of line 3 in the data header. The number of data scans in each cast is in columns 55-60 of line 3 in the data header (see listing).

XBT

9) The cast data files are in the order shown on the attached listing.

CAST CG1-90-MB 207 DATE 23 FEB 90 TIME 1819 GMT T-06
LAT 14 53.2S LONG 170 8.5W WEATHER 1 SEA STATE 0 12:01 27-JUL-92 C ^
BAROMETER 09 WIND DIR 145 T SPD 05 KT VISIBILITY 7 459 1 459 1 2
CLOUD AMOUNT AT 26.5 SST 27.8 DEPTH 4420 M
3 20
100.0 26.697
200.0 21.701
300.0 15.832
400.0 10.109

Data Variables Contained on NOAA/PMEL/OCRD ^{XBT}~~CTD~~ Data Tape:

3 DEPTH (M)

20 TEMPERATURE (C)

Following casts were written to ^{XBT}~~CTD~~ Data Tape:

Cruise	#	NSCANS
CG1-90-MB	207	459
CG1-90-MB	208	459
CG1-90-MB	209	459
CG1-90-MB	210	459
CG1-90-MB	211	459
CG1-90-MB	212	459
CG1-90-MB	213	459
CG1-90-MB	214	459
CG1-90-MB	215	459
CG1-90-MB	216	459
CG1-90-MB	217	459
CG1-90-MB	219	459
CG1-90-MB	220	459
CG1-90-MB	221	459
CG1-90-MB	222	459
CG1-90-MB	223	459
CG1-90-MB	224	459
CG1-90-MB	225	459
CG1-90-MB	226	459
CG1-90-MB	227	459
CG1-90-MB	228	459
CG1-90-MB	229	459
CG1-90-MB	230	459
CG1-90-MB	233	459
CG1-90-MB	235	459
CG1-90-MB	239	459
CG1-90-MB	241	459
CG1-90-MB	242	459
CG1-90-MB	243	459
CG1-90-MB	244	459
CG1-90-MB	245	459
CG1-90-MB	246	459
CG1-90-MB	249	418
CG1-90-MB	252	422
CG1-90-MB	255	459
CG1-90-MB	256	459
CG1-90-MB	257	459
CG1-90-MB	258	459
CG1-90-MB	259	459
CG1-90-MB	260	459
CG1-90-MB	261	459
CG1-90-MB	262	459
CG1-90-MB	263	459
CG2-90-MB	264	459
CG2-90-MB	265	459
CG2-90-MB	267	459
CG2-90-MB	268	459
CG2-90-MB	269	459
CG2-90-MB	270	459
CG2-90-MB	271	459
CG2-90-MB	272	459

CG2-90-MB	274	459
CG2-90-MB	275	459
CG2-90-MB	277	459
CG2-90-MB	278	459
CG2-90-MB	279	459
CG2-90-MB	280	459
CG2-90-MB	281	459
CG2-90-MB	282	459
CG2-90-MB	283	459
CG2-90-MB	284	459
CG2-90-MB	285	459
CG2-90-MB	286	459
CG2-90-MB	287	459
CG2-90-MB	289	459
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CG2-90-MB	319	459
CG2-90-MB	320	459
CG2-90-MB	323	459
CG2-90-MB	324	459
CG2-90-MB	327	459
CG2-90-MB	328	459
CG2-90-MB	329	459
CG2-90-MB	330	459
CG2-90-MB	333	459
CG2-90-MB	334	459
CG2-90-MB	335	459
CG2-90-MB	336	459
CG2-90-MB	337	459
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Total number of CTD casts written out = 564

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9300170	C116	079936	9999	313F	3175	1989/03/14	EP1-89-M	495872
9300170	C116	079937	9999	313F	3175	1989/03/29	EP1-89-M	495873
9300170	C116	079939	9999	313F	3175	1989/04/05	EP2-89-M	495874
9300170	C116	079941	9999	313F	3175	1989/05/10	TG1-89-M	495876
9300170	C116	079942	9999	313F	3175	1990/02/23	CG1-90-M	495877
9300170	C116	079933	9999	313F	31DS	1979/02/28	EP2-79-D	495869
9300170	C116	079934	9999	313F	31DS	1983/11/11	EP6-83-D	495870
9300170	C116	079945	9999	313F	31DS	1991/07/09	TG1-91-D	495879
9300170	C116	079938	0106	313F	310C	1988/06/17	EP2-88-O	217294
9300170	C116	079930	9999	313F	310C	1986/06/20	CO2-86-O	495866
9300170	C116	079931	9999	313F	310C	1986/07/01	CO2-86-O	495867
9300170	C116	079935	9999	313F	310C	1987/05/20	TW1-87-O	495871
9300170	C116	079940	9999	313F	310C	1988/10/15	EP4-88-O	495875
9300170	C116	079944	0168	313F	76X9	1986/12/07	PR4-86-X	217295
9300170	C116	079943	9999	313F	76X9	1987/09/21	PR1-87-X	495878

(16 rows affected)

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9300170	C116	079932	3175	161	161	87/04/13	87/05/17
9300170	C116	079936	3175	5	5	89/03/14	89/03/16
9300170	C116	079937	3175	9	9	89/03/29	89/04/01
9300170	C116	079939	3175	109	109	89/04/05	89/05/03
9300170	C116	079941	3175	168	168	89/05/10	89/06/28
9300170	C116	079942	3175	252	252	90/02/23	90/05/22
9300170	C116	079933	31DS	30	30	79/02/28	79/03/01
9300170	C116	079934	31DS	92	92	83/11/11	83/12/03
9300170	C116	079945	31DS	65	65	91/07/09	91/07/27
9300170	C116	079938	31OC	133	132	88/06/17	88/07/09
9300170	C116	079930	31OC	1	1	86/06/20	86/06/20
9300170	C116	079931	31OC	58	58	86/07/01	86/07/23
9300170	C116	079935	31OC	246	246	87/05/20	87/07/27
9300170	C116	079940	31OC	179	179	88/10/15	88/12/10
9300170	C116	079944	76X9	46	46	86/12/07	86/12/18
9300170	C116	079943	76X9	201	201	87/09/21	87/10/24

(16 rows affected)