

9200013

F022 TW0859; TW0977-0979

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9200013	310049	C022	0202	313F	3175	TW0859	02/23/90	04/12/90	110	57,136
9200013	310050	C022	0106	313F	3175	TW0977	04/24/90	05/16/90	30	5,339
9200013	310051	C022	0106	313F	31DS	TW0978	10/17/90	11/05/90	32	9,382
9200013	310052	C022	0106	313F	31DS	TW0979	11/19/90	12/06/90	31	9,259
9200013	TW0859	F022	0202	313F	3175	C61/62-9	02/23/90	04/12/90	110	57,136
9200013	TW0977	F022	0106	313F	3175	EP1-90-M	04/24/90	05/16/90	30	5,339
9200013	TW0978	F022	0106	313F	31DS	EP2-90-D	10/17/90	11/05/90	32	9,382
9200013	TW0979	F022	0106	313F	31DS	EP3-90-D	11/19/90	12/06/90	31	9,259

23,980

9200013

FILETYPE 1

TRACK NO.

	DATE	INIT.	TAPE OR DISK DSH	NO. FILES	RECL	BLK SIZE	NO. RECORDS
	01/31/92	CUMH	A01519	1	80	2400	190,302
E	02/10/92	↓	W15265 *	1	80	2400	190,302
TAPE	01/31/92	↓	A01520	1	80	2400	79,796
DISK	02/10/92	↓	W15330 **	1	80	2400	79,796
	3-5-92	R.P.S.	W56317 ***	1	120	12000	81116
REALIZED							

REPORTED TO PRINCIPAL INVESTIGATOR:

* Tape W15265 is 9 TRK, SL, 1600 bpi.
DSN=DIVOC*9200013-01.

** Tape W15330 is 9 TRK, SL, 1600 bpi.
*** DSN=DIVOC*9200013-02.

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

*** DIVOC * PMELOUT.

User Name <i>Cliff Hartley</i>	Phone # <i>606-4636</i>	Org/Task <i>EG12008N3AV1</i>	Submit Date <i>02/10/92</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 | | | |

Request/Problem Description:

*Copy tape A01519 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.
Data Set Name for 'W' tape: DNODC*9200013-01.*

JOB INPUT Id#/Filename: A01519 (D02455)

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: W15265

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

(OC3 Use Only)
 JOB Number: *92021402* *J.S.* Date/Time Start: *2-10-92/14:15*
 Completed By: _____ Date/Time Completed: *2-10-92/15:00*

User Name <i>Cliff Hartley</i>	Phone # <i>606-4636</i>	Org/Task <i>EG12-DOEN3HVI</i>	Submit Date <i>02/10/92</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:

*copy tape AΦ152Φ 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.
Data Set Name for 'w' tape: DNODC*924ΦΦ13-02.*

JOB INPUT

Id#/Filename: AΦ152Φ (2Φ2456)

- 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: W1533Φ

- Medium: Tape Disk Diskette Other Specify: _____
- Code: ASCII EBCDIC Binary Other Specify: _____
- Tape Specs: 800 1600 6250 NL SL
- MAX Record Length: 40 MAX Blocksize: 2400

(OC3 Use Only)

JOB Number: *92421Φ43*
Completed By: *JB*

Date/Time Start: *2-10-92/13:45*
Date/Time Completed: *2-10-92/14:10*

606-4636

User Name <i>Cliff Hartley</i>	Phone # EG12008N3AVI	Org/Task <i>EG12008N3AVI</i>	Submit Date <i>01/31/92</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

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

Request/Problem Description:

Please scan tape A01519

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 A01519 to Bin 09

JOB INPUT

Id#/Filename: *A01519*

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: _____

(OC3 Use Only)

JOB Number: *92013102*

Completed By: *G.S.*

Date/Time Start: *1-31-92/12:15*

Date/Time Completed: *1-31-92/12:20*

User Name <i>Cliff Harley</i>	Phone # <i>606-4636</i>	Org/Task <i>EG12008N3AVI</i>	Submit Date <i>01/31/92</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 Aφ1520

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 Aφ1520 to Bin 09

JOB INPUT

Id#/Filename: *Aφ1520*

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: _____

(OC3 Use Only)
 JOB Number: *92φ/31φ3*
 Completed By: *J.S.*

Date/Time Start: *1-31-92/12:25*
 Date/Time Completed: *1-31-92/12:30*

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
Acc# 9200013
ATTENTION
E/OC13, Dr. Anthony R. Picciolo

THE ITEMS LISTED BELOW WERE FORWARDED TO YOU BY

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

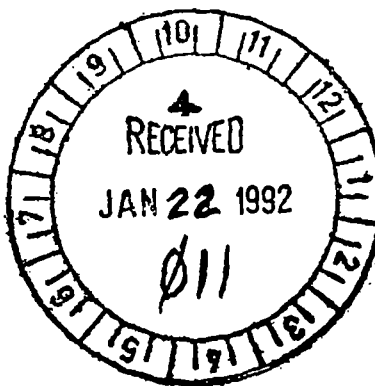
Enclosed, find documentation and two (2) magnetic data tapes containing a total of 203 casts of CTD data resultant from two projects, the Climate and Global Change (CG) and the Equatorial Pacific Ocean Climate Studies (EPOCS). These data were received from Ms. Krity McTaggart (for Dr. Stan Hayes), NOAA/PMEL/OCRD.

Tape specs.- 9 track, ASCII, odd parity, single file

cc: Ms. Kristy McTaggart, PMEL
Ms. Linda Mangum, PMEL

9200013

A.φ 1519
A.φ 1520



FORWARDED BY (Signature) <i>Sid Stillwaugh</i> Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 1/16/92
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

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 <i>Acc# 9200013</i>
	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

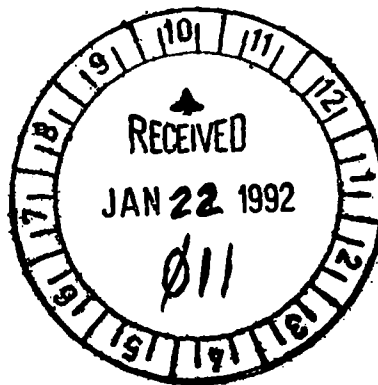
Enclosed, find documentation and two (2) magnetic data tapes containing a total of 203 casts of CTD data resultant from two projects, the Climate and Global Change (CG) and the Equatorial Pacific Ocean Climate Studies (EPOCS). These data were received from Ms. Krity McTaggart (for Dr. Stan Hayes), NOAA/PMEL/OCRD.

Tape specs.- 9 track, ASCII, odd parity, single file

cc: Ms. Kristy McTaggart, PMEL
Ms. Linda Mangum, PMEL

9200013

A.φ 1519
A.φ 1520



FORWARDED BY <i>Sid Stillwaugh</i> Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 1/16/92
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

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 9200013
	ATTENTION E/OC13, Dr. Anthony R. Picciolo

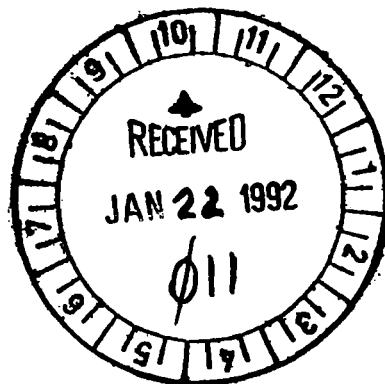
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

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

Enclosed, find documentation and two (2) magnetic data tapes containing a total of 203 casts of CTD data resultant from two projects, the Climate and Global Change (CG) and the Equatorial Pacific Ocean Climate Studies (EPOCS). These data were received from Ms. Krity McTaggart (for Dr. Stan Hayes), NOAA/PMEL/OCRD.

Tape specs.- 9 track, ASCII, odd parity, single file

cc: Ms. Kristy McTaggart, PMEL
Ms. Linda Mangum, PMEL



FORWARDED BY (Signature) Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED -1/16/92
RECEIVED BY (Signature)	TITLE	DATE RECEIVED



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Pacific Marine Environmental Laboratory
NOAA Building Number 3
7600 Sand Point Way N.E.
Seattle, WA 98115

January 15, 1992

R/E/PM

Mr. Sid Stillwaugh
NOAA/NODC E/OC13
7600 Sand Point Way NE
Seattle, Washington 98115

Dear Sid,

Enclosed are two 9-track magnetic tapes containing CTD data collected during 1990. CG190 and CG290 (tape 1) were part of the Climate and Global Change/Freon Tracer program. Data for this project were collected from the NOAA ship MALCOLM BALDRIGE along 170°W from 5°N to 56°S. EP190, EP290, and EP390 (tape 2) were part of the ongoing EPOCS program. EP190 data were also collected from the NOAA ship MALCOLM BALDRIGE. EP290 and EP390 data were collected from the NOAA ship DISCOVERER. All EPOCS stations were within 10° of the equator from 110°W to 140°W. All casts used a Neil Brown Mark III CTD.

Also enclosed is the completed NODC documentation form with referenced tables, and further information about the content and organization of the two tapes. If you have any questions, please don't hesitate to contact me.

Sincerely,

Kristy McTaggart
CTD Technical Coordinator

Enclosures

cc: S. Hayes
L. Mangum



DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

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

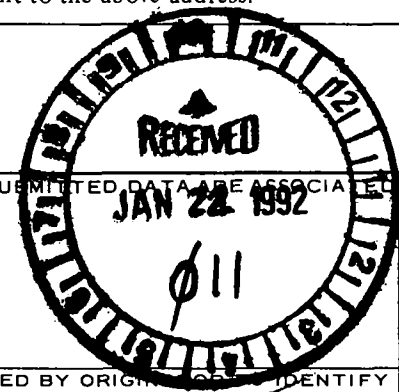
FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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
 Dr. Stanley P. Hayes
 NOAA / Pacific Marine Environmental Lab
 Bldg. 3 / Bin C15100
 7600 Sand Point Way NE
 Seattle, WA 98115

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED
 Climate + Global Change (CGC) cruise of 1990.

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
 C61-90-MB
 C62-90-MB

4. PLATFORM NAME(S)
 R/V Malcolm Baldrige

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

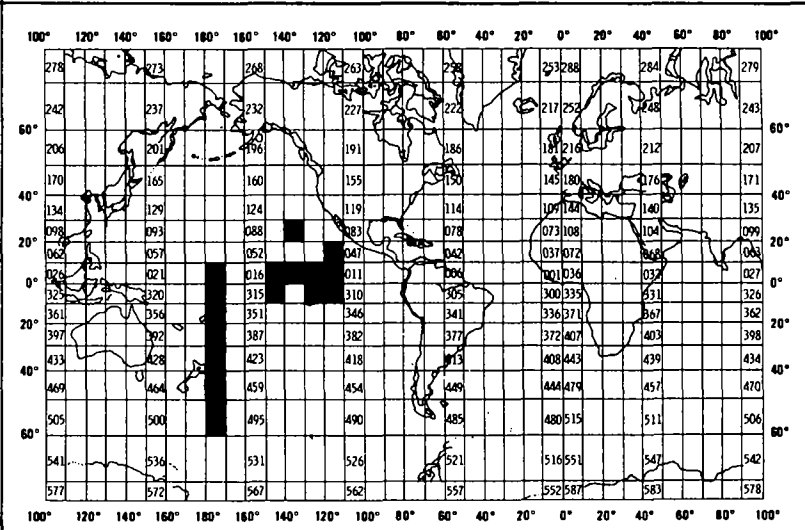
6. PLATFORM AND OPERATOR NATIONALITY(IES)
 U.S. U.S.

7. DATES
 FROM: MO/DAY/YR TO: MO/DAY/YR
 2/27/90 4/16/90

8. ARE DATA PROPRIETARY?
 NO 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?)
 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)
 Dr. Stanley P. Hayes
 (206) 526-6742

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
pressure	decibars	Neil Brown MKIII CTD	n/a	values averaged over 1 dbar intervals.
temperature	°C (1968)	"	"	
salinity	psu	"	"	
sigma-t	kg/m ³	"	"	
oxygen *	ml/l	"	"	
* CC190 - MB only				

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

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

The first five records contain header information for the first cast. The header records are identified by readable labels preceding most fields. The five header records are followed by a variable number of data records depending on the depth of each cast. Data records are followed by the header records of the following cast, and so forth.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Each ~~file~~ tape contains one file comprised of all of the CTD casts. Each cast contains five header records followed by a variable number of data records depending on the depth of the cast. Each record is 80 characters long. A listing of CTD casts in their order on the tape is attached. Tape 1 is of C6190 and C6290 CTD data. Tape 2 is of EP190, EP290, and EP390 CTD data.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Kristy McTaggart 526-6692
ADDRESS NOAA/PMEL, 1600 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>NOAA/PMEL/OCRD/HAYES 1990 CTD DATA: C6190, C6290, 9 TRACK / 1600 BPI / ASCII / 1 FILE</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>2400</p> <p>13. LENGTH OF BYTES IN BITS</p>

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<u>First header record:</u>					
Field label	1	5		H5	Always "CAST ^" (^ = blank)
cruise number	6	11		A11	cruise id. (example, " ^ EP2-90-DI- ")
Cast number	17	3		I3	CTD cast number
Field label	20	8		H8	Always " ^ ^ ^ DATE ^ "
date: day	28	2		I2	day (1-31)
	30	1		H1	Always "-" field separator
month	31	3		A3	months (ex. "JUN")
	34	1		H1	Always "-" field separator
year	35	2		I2	year, last 2 digits
Field label	37	8		H8	Always " ^ ^ ^ TIME ^ "
time	45	4		I4	GMT of cast (ex. "0132")
field label	49	4		H4	Always " ^ GMT "
blank	53	2			
instrument type	55	26		A26	instrument description
<u>Second header record:</u>					
Field label	1	4		H4	Always "LAT ^ "
latitude	5	8		A8	cast latitude in degrees, decimal minutes (ex. "4S, 15.2 N")
Field label	13	7		H7	Always " ^ ^ LONG ^ "
longitude	20	9		A9	cast longitude in degrees, decimal minutes (ex. "124 ^ 15.8 W")
Field label for weather	29	10		H10	Always " ^ ^ WEATHER ^ "
weather	39	1		I1	weather code, see attached table 2
Field label	40	12		H12	Always " ^ ^ SEA ^ STATE ^ "
sea state	52	1		I1	sea state code, see attached table 3
blank	53	2			
file creation date	55	15		A15	hh:mm, dd - mmm - yy
blank	70	8			
header type	78	1		A1	header type ("c" for standard CTD header)
blank	79	2			

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<u>Third header record:</u>					
field label	1	10		H10	Always "BAROMETER ^"
atmos. press.	11	2		I2	atmospheric pressure in millibars over 1000 wbs (ex "19" means 1019 wbs)
field label	13	11		H11	Always " ^ WIND ^ DIR ^"
wind directions	24	3		I3	wind direction in degrees from which the wind is blowing.
field label	27	7		H7	Always " ^ T ^ SPD ^"
wind speed	34	2		I2	wind speed in knots
field label	36	16		H16	Always " ^ KT ^ VISIBILITY ^"
visibility code	52	1		I1	visibility code, see attached table 4
blank	53	2			
# of scans	55	6		I6	number of data scans to follow.
first pressure	61	6		F6.0	pressure of first scan
last pressure	67	6		F6.0	pressure of last scan
increment	73	5		F5.0	pressure increment between scans
blank	78	1			
# of variables	79	2		I2	# of variables to be used in data scans
<u>Fourth header record:</u>					
field label	1	6		H6	Always "CLOUD ^"
cloud type	7	1		I1	cloud type code, see attached table 5
field label	8	9		H9	Always " ^ AMOUNT ^"
cloud amount	17	1		I1	cloud amount code see attached table 6
field label	18	6		H6	Always " ^ DRY ^"
dry bulb temp.	24	4		F4.1	dry air temperature in °C to nearest tenth
field label	28	6		H6	Always " ^ WET ^"
wet bulb temp.	34	4		F4.1	wet bulb temperature in °C to nearest tenth
field label	38	9		H9	Always " ^ DEPTH ^"

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
water depth	41	4		I4	water depth to nearest meter
field label	51	2		H2	Always "1 M"
blank	53	2			
data origin	55	26		A26	information on data origin
<u>Fifth header record:</u>					
variable codes	1	80		20I4	variable codes for data listed in data file. See attached table 1.
<u>Data record:</u>					
pressure	1	8		F8.1	pressure (dbars)
temperature	9	8		F8.3	temperature (°C)
salinity	17	8		F8.3	salinity (psu)
sigma-t	25	8		F8.3	density (kg/m ³)
oxygen *	39	8		F8.3	dissolved oxygen (ml/l)
blank	33	40			
* 06190 only					
NOTE: data not present is represented by -99.999					

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Neil Brown MKIII CTD 2043	Dec. 1989		NW Regional Calibration center Bellevue, WA			✓			
Neil Brown MKIII CTD 102 2044	Dec. 1989		"			✓			
Neil Brown MKIII CTD 1112	JUL. 1990		"			✓			
Neil Brown MKIII CTD 1111	JUL. 1990		"			✓			

ACCESSION
NUMBER

9200013

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

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

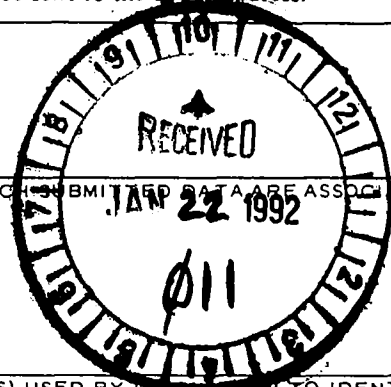
FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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 NOAA/Pacific Marine Environmental Lab Bldg. 3/ BIN C15700 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 DONOR TO IDENTIFY DATA IN THIS SHIPMENT EP1-90-MB EP2-90-DI EP3-90-DI	
4. PLATFORM NAME(S) Malcolm Baldrige Discoverer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 4/21/90 12/14/90
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. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Stanley P. Hayes (206)526-6742	

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

The first five records contain header information for the first cast. The header records are identified by readable labels preceding most fields. The five header records are followed by a variable number of data records depending on the depth of each cast. Data records are followed by the header records of the following cast, and so forth.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Each ~~the~~ tape contains one file comprised of all of the CTD casts. Each cast contains five header records followed by a variable number of data records depending on the depth of the cast. Each record is 80 characters long. A listing of CTD casts in their order on the tape is attached. Tape 1 is of C6190 and C6290 CTD data. Tape 2 is of EP190, EP290, and EP390 CTD data.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Kristy McTaggart 526-6692
ADDRESS NOAA/PMEL, 1600 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>NOAA/PMEL/OCRD/HAYE3 1990 CTD data: EP1-90-MB, EP2-90-DI, EP3-90-DI 9 track/1600 bpi/ASCII/1 file</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>2400</p> <p>13. LENGTH OF BYTES IN BITS</p>

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9200013	C022	310049	0202	313F	3175	1990/02/23	TW0859	203340
9200013	C022	310050	0106	313F	3175	1990/04/24	TW0977	203341
9200013	F022	TW0859	0202	313F	3175	1990/02/23	C61/62-9	203346
9200013	F022	TW0977	0106	313F	3175	1990/04/24	EP1-90-M	203347
9200013	C022	310051	0106	313F	31DS	1990/10/17	TW0978	203342
9200013	C022	310052	0106	313F	31DS	1990/11/19	TW0979	203343
9200013	F022	TW0978	0106	313F	31DS	1990/10/17	EP2-90-D	203344
9200013	F022	TW0979	0106	313F	31DS	1990/11/19	EP3-90-D	203345

(8 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
9200013	C022	310049	3175	110	237	90/02/23	90/04/12
9200013	C022	310050	3175	30	56	90/04/24	90/05/16
9200013	F022	TW0859	3175	110	57136	90/02/23	90/04/12
9200013	F022	TW0977	3175	30	5339	90/04/24	90/05/16
9200013	C022	310051	31DS	32	65	90/10/17	90/11/05
9200013	C022	310052	31DS	31	62	90/11/19	90/12/06
9200013	F022	TW0978	31DS	32	9382	90/10/17	90/11/05
9200013	F022	TW0979	31DS	31	9259	90/11/19	90/12/06

(8 rows affected)