

DATA DOCUMENTATION FORM

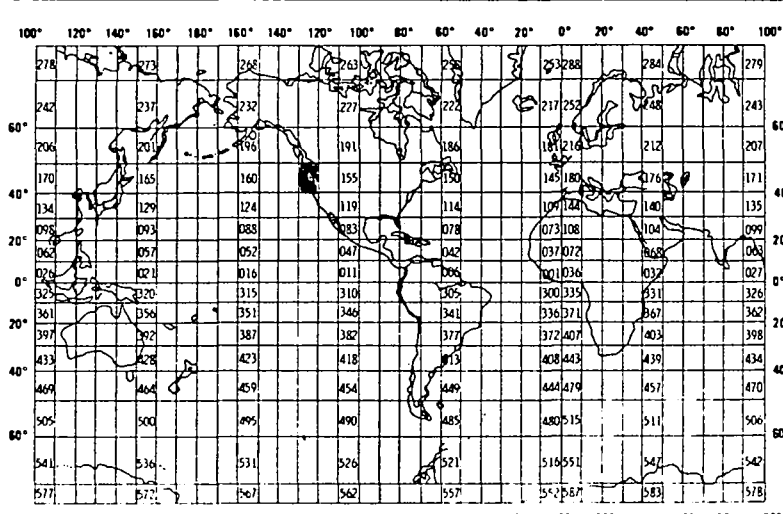
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20231FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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 - PMEL - MRRD 7600 Sandpoint Way NE Box 3 Seattle, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED VENTS		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT S485 - VENT1 = S485MA DI86 - VENT1 = DI86C DI87 - VENT1 = DI87C DI88 - VENT1 = DI88E DI88 - VENT3 = D88R	
4. PLATFORM NAME(S) SURVEYOR DISCOVERER	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR US US 6/1/85 9/1/88
8. ARE DATA PROPRIETARY? <input 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 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) DAVID J. PASHINSKI 206-526-6781			

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

Data according to NODC file Type 22
120 characters/record 3600 records/block

File	blocks
1	398
2	1147
3	1975
4	421
5	1376

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

5 Files CTD Profiles

File	Cruise	ID	#casts
1	SUBS-VENT1	SUBSMA	23
2	DI86-VENT1	DI86 C	71 - data duplicated, use second set
3	DI87-VENT1	DI87 C	82
4	DI88-VENT1	DI88 E	22
5	DI88-VENT3	D88R	83

3. ATTRIBUTES AS EXPRESSED IN
- | | | |
|---|--------------------------------|--------------------------------|
| <input type="checkbox"/> PL-1 | <input type="checkbox"/> ALGOL | <input type="checkbox"/> COBOL |
| <input checked="" type="checkbox"/> FORTRAN | <input type="checkbox"/> _____ | LANGUAGE |

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D. PASHINSKI 206-526-6781

ADDRESS _____

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 <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input 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>VENTS CTD data sets, 6/1/85 to 9/1/88 (Approx. 200 casts in NODC FT 022)</p> <p>9 track, 6250 bpi, ASCII, block length = 3600</p> <p>NOAA/PMEL - Mr. D. Pashinski</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input checked="" type="checkbox"/> 6250</p>		
		<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600</p>
		<p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

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
Salinity	‰	Seabird CTD SBE9	Calculated from conductivity via UNESCO	1 meter average
Temp	°C	"		"
Pressure	db	"		"
Attenuation	-	Seatech Transmiss.	Calculated from percent transmission	1

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 (✓)	
Seabird SBE 9	1985, 6, 7, 88		NRCC		✓				

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8900194	310003	C022		313F	31SU	TV5976	06/03/85	06/27/85	23	11,561
8900194	310004	C022		313F	31DS	TV5977	08/06/86	08/28/86	36	16,797
8900194	310005	C022		313F	31DS	TV5978	07/14/87	08/11/87	82	57,745
8900194	310006	C022		313F	31DS	TV5979	07/13/88	07/25/88	22	12,240
8900194	310007	C022		313F	31DS	TV5980	08/26/88	09/21/88	83	39,867

246
138,210

PART A

Request/Problem Category

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

DESCRIPTION:
Copy tape A00980 to a 'W' tape
Please scan 'W' tape

PART B (For Operator Job Requests)

Operator Job Request Type

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

Special Operator Instructions:
Please send 'W' tape to Asheville, N.C.

JOB INPUT Id#/Filename: A00980/D05016

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

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

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

MAX Record Length: 120 MAX Blocksize: 3600

JOB OUTPUT Id#/Filename: W18790

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

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

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

MAX Record Length: 120 MAX Blocksize: 3600

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 ATTENTION E/OC13, Dr. Anthony R. Picciolo
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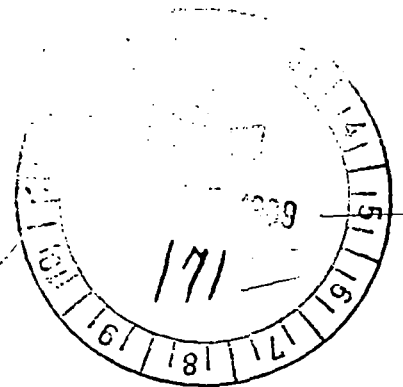
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

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

Enclosed, find documentation and one (1) magnetic data tape containing approximately 200 deep casts of CTD data resultant to the VENTS project. These data are in NODC FT 022 and were submitted by Mr. David Pashinski, NOAA/PMEL/MRRD division.

Tape specs - 9 track, ASCII, 6250 bpi, block length = 3600

cc: Mr. David Pashinski, PMEL/MRRD



8900194

A00944

New TAPE:

A00980

FORWARDED BY (Signature) Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 7/20/89
RECEIVED BY (Signature) FRAN CO	TITLE	DATE RECEIVED 7/25/89

NANSEN REF #

310003 (Temporary Ref. No.)

MULDARS TRACK #

TV5976

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5976)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #
310004 (Temporary)

MULDARS TRACK #
TV5977

MONITOR: CONTACT
J. Frank

LOCATION OF F022 SOURCE
Archives (TV5977)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #

310005 (Temporary Ref. No.)

MULDARS TRACK #

TV5978

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5978)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #

310006 (Temporary Ref. No.)

MULDARS TRACK #

TV5979

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5979)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF #

310007 (Temporary Ref. No.)

MULDARS TRACK #

TV5980

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TV5980)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

```

3542 DDF036 9100139 TW1074-TW1109 F156 91-002
3543 DDF036 9100141 BS0510-BS1866 F291 91-002
3544 DDF036 9100142 310015-310018 C022 91-002
3545 DDF036 9100142 TW0398-TW0401 F022 91-002
3546 DDF036 9100150 TV5981 F022 91-003
3547 DDF036 9100150 329647 C022 91-003

```

\$ grep 8900194 ddf.dir

\$ date 8900194

Password:

accNo	fileA	refNo	proj	inst	ship	startDate	cruise	catId
8900194	C022	310003	9999	313F	31SU	1985/06/03	TV5976	187671
8900194	C022	310004	9999	313F	31DS	1986/08/06	TV5977	187672
8900194	C022	310005	9999	313F	31DS	1987/07/14	TV5978	187673
8900194	C022	310006	9999	313F	31DS	1988/07/13	TV5979	187674
8900194	C022	310007	9999	313F	31DS	1988/08/26	TV5980	187675
8900194	F022	TV5976	9999	313F	31SU	1985/06/03	SU85MA	187676
8900194	F022	TV5977	9999	313F	31DS	1986/08/06	DI86 C	187677
8900194	F022	TV5978	9999	313F	31DS	1987/07/14	DI87 C	187678
8900194	F022	TV5979	9999	313F	31DS	1988/07/13	DI88 E	187679
8900194	F022	TV5980	9999	313F	31DS	1988/08/26	DI88 R	187680

(10 rows affected)

\$

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8900194	TV5976	F022		313F	31SU	SU85MA	06/03/85	06/27/85	23	11,561
8900194	TV5977	F022		313F	31DS	DI86 C	08/06/86	08/28/86	36	16,797
8900194	TV5978	F022		313F	31DS	DI87 C	07/14/87	08/11/87	82	57,745
8900194	TV5979	F022		313F	31DS	DI88 E	07/13/88	07/25/88	22	12,240
8900194	TV5980	F022		313F	31DS	DI88 R	08/26/88	09/21/88	83	39,867

24 6 138,210

8900194

FILETYPE _____

TRACK NO. _____

PROJECT
IDENTIFICATION _____

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. L RECL	BLK SIZE	NO. RECORDS
	10/11/89	CMH	A50980	5	120	3600	142,440
TAPE	06/25/90	CMH	W18790	5	120	3600	142,440
TAPE	8/19/91	RPS	W16785*				
DISK							
EX							
EX							
022							
FINALIZED							

REPORTED TO PRINCIPAL INVESTIGATOR: Tape W18790 is 9 TRK, NL, 6250bpi, ascii
* VENT SOUT.

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

(TRACKS DELETED, FIELDS DELETED, ETC.)

User Name <i>Cliff Hartley</i>	Phone # <i>673-5636</i>	Org/Task <i>EG12008N3AH9</i>	Submit Date <i>06/24/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

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

Request/Problem Description:

*Copy tape A00980 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 checked="" type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS | | |

Special Operator Instructions:

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

JOB INPUT

Id#/Filename: _____

A00980

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

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

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

MAX Record Length: *20* MAX Blocksize: *3600*

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: *3600*

(OC3 Use Only)

JOB Number:

Completed By:

Date/Time Start:

Date/Time Completed:

● Mitch,

Here's that VENTS replacement CTD data set (replaces a bad data tape I sent to you on July 20th - (see enclosed transmittal). It's OK to check to see if you can read the data tape, but please don't process these data and put them into the archives till I give you the green light. Per our conversation on Sept. 15th, just sit on these data until I get the OK for its release.

Many thanks,
Stillwaghn

Did. Here is the redo of the Vents CTD data previously submitted. - This should work better.

Please add the note to the data
Do not release data for 86, 87, 88-1, or 88-3 until notified. An additional review is in process to clarify some questions that have arisen concerning the data.

Thanks
Dave

#223
9-25-89



8900194

A00 980

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
	ATTENTION E/OC13, Dr. Anthony R. Picciolo

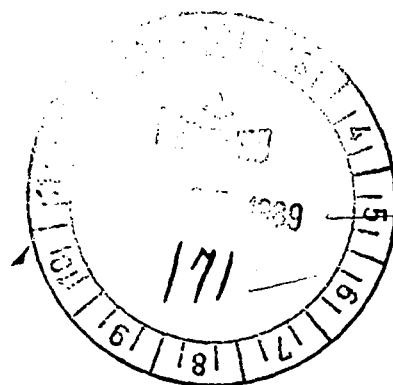
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

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

Enclosed, find documentation and one (1) magnetic data tape containing approximately 200 deep casts of CTD data resultant to the VENTS project. These data are in NODC FT 022 and were submitted by Mr. David Pashinski, NOAA/PMEL/MRRD division.

Tape specs - 9 track, ASCII, 6250 bpi, block length = 3600

cc: Mr. David Pashinski, PMEL/MRRD



8900194

A00944

New TAPE

A00980

FORWARDED BY (Signature) Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 7/20/89
RECEIVED BY (Signature) FRAN	TITLE	DATE RECEIVED 7/25/89

ACCESSION
NUMBER

8900194

DATA DOCUMENTATION FORM

~~A00944~~

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

A00980

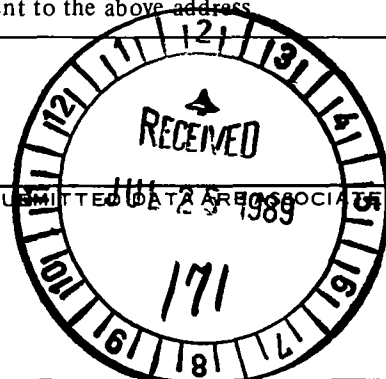
(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

REPLACEMENT

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 - PMEL - MRRD
7600 Sandpoint Way NE
Bldg 3
Seattle, WA 98115

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

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
S485 - VENT1 = S485MA
D186 - VENT1 = D186C
D187 - VENT1 = D187C
D188 - VENT1 = D188E
D188 - VENT3 = D88R

4. PLATFORM NAME(S)
SURVEYOR
DISCOVERER

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 6/1/85 9/1/88

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?)

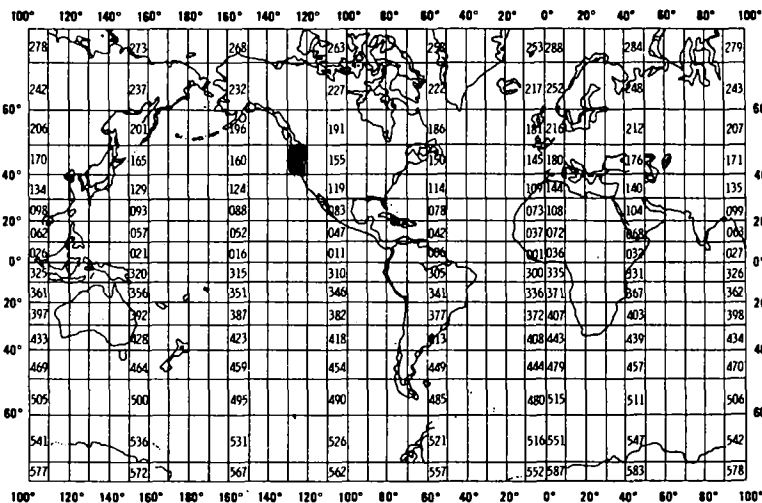
☐ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

DAVID J. PASHINSKI
206-526-6781

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

GENERAL AREA



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)

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

Data according to NODC file Type 22
120 characters/record 3600 records/block

File	blocks
1	398
2	1147
3	1975
4	421
5	1376

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

5 Files CTD Profiles

File	Cruise	ID	#casts
1	SUBS-VENT1	SUBSMA	23
2	DI86-VENT1	DI86 C	71 - data duplicated, use second set
3	DI87-VENT1	DI87 C	82
4	DI88-VENT1	DI88 E	22
5	DI88-VENT3	DI88R	83

3. ATTRIBUTES AS EXPRESSED IN
- | | | |
|---|--------------------------------|--------------------------------|
| <input type="checkbox"/> PL-1 | <input type="checkbox"/> ALGOL | <input type="checkbox"/> COBOL |
| <input checked="" type="checkbox"/> FORTRAN | <input type="checkbox"/> _____ | LANGUAGE |

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D. PASHINSKI 206-526-6781
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <table border="0"> <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> <p>6. NUMBER OF TRACKS (CHANNELS)</p> <table border="0"> <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> <p>7. PARITY</p> <table border="0"> <tr> <td><input type="checkbox"/> ODD</td> </tr> <tr> <td><input type="checkbox"/> EVEN</td> </tr> </table> <p>8. DENSITY</p> <table border="0"> <tr> <td><input type="checkbox"/> 200 BPI</td> <td><input 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><input checked="" type="checkbox"/> 6250</td> <td></td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<input type="checkbox"/> SEVEN	<input checked="" type="checkbox"/> NINE	<input type="checkbox"/> _____	<input type="checkbox"/> ODD	<input type="checkbox"/> EVEN	<input type="checkbox"/> 200 BPI	<input type="checkbox"/> 1600 BPI	<input type="checkbox"/> 556 BPI		<input type="checkbox"/> 800 BPI		<input checked="" type="checkbox"/> 6250		<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p> <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p> <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>VENTS CTD data sets, 6/1/85 to 9/1/88 (Approx. 200 casts in NODC FT 022) 9 track, 6250 bpi, ASCII, block length = 3600</p> <p>NOAA/PMEL - Mr. D. Pashinski</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u></p> <p>13. LENGTH OF BYTES IN BITS <u>8</u></p>
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY																			
<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC																			
<input type="checkbox"/> _____																				
<input type="checkbox"/> SEVEN																				
<input checked="" type="checkbox"/> NINE																				
<input type="checkbox"/> _____																				
<input type="checkbox"/> ODD																				
<input type="checkbox"/> EVEN																				
<input type="checkbox"/> 200 BPI	<input type="checkbox"/> 1600 BPI																			
<input type="checkbox"/> 556 BPI																				
<input type="checkbox"/> 800 BPI																				
<input checked="" type="checkbox"/> 6250																				

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
Conductivity Salinity	‰	Calculated from cond. by UNESCO algorithm Seabird		

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
Salinity	‰	Seabird CTD SBE9	Calculated from Conductivity via UNESCO	1 meter average
Temp	°C	"		"
Pressure	db	"		"
Attenuation	—	Seatech Transmiss.	Calculated from percent transmission	"

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 (✓)	
Seabird SBE 9	1985, 6, 7, 88		NRCC		✓				

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File structure -

Eight 120-character records: (1) Text Record, (2) Master Record, (3) Detail Record 1, (4) Detail Record 2, (5) Detail Record 3, (6) Detail Record 4, (7) Detail Record 5, and (8) Detail Record 6.

File format -

High-resolution CTD/STD Data (F022)

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
SAMPLE INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
SAMPLE INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	65
DRY BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102

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SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
DEPTH	SCANNING DATA - USE CODE 0080	
TEMPERATURE	XXXXX (METERS TO TENTHS)	96
	XXXXX NEGATIVE TEMPERATURES ARE	101
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	108
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	115
SEQUENCE NUMBER	SCANNING DATA - USE CODE 0080	
	XXXXX - USED FOR SORTING DATA RECORDS	118
DETAIL RECORD 4	ALWAYS '6'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (DECIBARS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	21
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	26
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
PRESSURE	SCANNING DATA - USE CODE 0080	
TEMPERATURE	XXXXX (DECIBARS TO TENTHS)	36
	XXXXX NEGATIVE TEMPERATURES ARE	41
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	48
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
PRESSURE	SCANNING DATA - USE CODE 0080	
TEMPERATURE	XXXXX (DECIBARS TO TENTHS)	56
	XXXXX NEGATIVE TEMPERATURES ARE	61
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	66
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	75
PRESSURE	SCANNING DATA - USE CODE 0080	
TEMPERATURE	XXXXX (DECIBARS TO TENTHS)	78
	XXXXX NEGATIVE TEMPERATURES ARE	81
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	86
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
PRESSURE	SCANNING DATA - USE CODE 0080	
TEMPERATURE	XXXXX (DECIBARS TO TENTHS)	98
	XXXXX NEGATIVE TEMPERATURES ARE	101
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	106
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	115
SEQUENCE NUMBER	SCANNING DATA - USE CODE 0080	
	XXXXX - USED FOR SORTING DATA RECORDS	116

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8900194	C022	310004	9999	313F	31DS	1986/08/06	TV5977	187672
8900194	C022	310005	9999	313F	31DS	1987/07/14	TV5978	187673
8900194	C022	310006	9999	313F	31DS	1988/07/13	TV5979	187674
8900194	C022	310007	9999	313F	31DS	1988/08/26	TV5980	187675
8900194	F022	TV5977	9999	313F	31DS	1986/08/06	DI86 C	187677
8900194	F022	TV5978	9999	313F	31DS	1987/07/14	DI87 C	187678
8900194	F022	TV5979	9999	313F	31DS	1988/07/13	DI88 E	187679
8900194	F022	TV5980	9999	313F	31DS	1988/08/26	DI88 R	187680
8900194	C022	310003	9999	313F	31SU	1985/06/03	TV5976	187671
8900194	F022	TV5976	9999	313F	31SU	1985/06/03	SU85MA	187676

(10 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8900194	C022	310004	31DS	36	70	86/08/06	86/08/28
8900194	C022	310005	31DS	82	164	87/07/14	87/08/11
8900194	C022	310006	31DS	22	44	88/07/13	88/07/25
8900194	C022	310007	31DS	83	161	88/08/26	88/09/21
8900194	F022	TV5977	31DS	36	16797	86/08/06	86/08/28
8900194	F022	TV5978	31DS	82	57745	87/07/14	87/08/11
8900194	F022	TV5979	31DS	22	12240	88/07/13	88/07/25
8900194	F022	TV5980	31DS	83	39867	88/08/26	88/09/21
8900194	C022	310003	31SU	23	46	85/06/03	85/06/27
8900194	F022	TV5976	31SU	23	11561	85/06/03	85/06/27

(10 rows affected)