

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.

TAPE A00072

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 College of Oceanography Oregon State University Corvallis, OR 97331			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Emperor Seamount Experiment		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT none	
4. PLATFORM NAME(S) n/a	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) moored current meters	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		USA	USA 06/ /82 11/ /83
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 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) Joseph Bottero (503) 754 - 3350			

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
East - West component	cm sec ⁻¹	A andersaa RCM5		
North - South component	"	"		
Temperature	deg C.	"		
Conductivity	mmho cm ⁻¹	"		
pressure	decibars	"		

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

NODC FT 015 - Master record, followed by detail records 1.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Detail records have been written in blocks of 100 records - ie, 6 000 character blocks.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Mr. Joseph Bottero, Oregon State University.
ADDRESS (503) 754 - 2207

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 checked="" 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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>Emperor Seamount RCM data NODC FT 015; 6/82 to 11/83 9 Tracks, ASCII, 1600 bpi, 60 char. records, block length = 60 x 6000</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>60 x 6000</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

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		
SEE ATTACHED SHEETS					

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 (✓)	
Aanderson RCM5		✓				✓			

EMPEROR MOORING A

Position: 35°17.38 N, 167°03.76 E
Depth of Water: 5730 m
Set at: 0447 UCT 28 JUN '82 by R/V T.G. THOMPSON
Retrieved at: 1932 UCT 17 NOV '83 by R/V T.G. THOMPSON
Data Interval: 0903 UCT 28 JUN '82 to 2303 UCT 9 SEP '83

Instrumentation

<u>Depth</u>	<u>Serial No./Tape No.</u>
650 m	RCM4 1326/
1350 m	RCM4 3135/
3650 m	RCM5 500/62

Instrument 1326 was not recovered.

Instrument 3135 was not recovered.

Instrument 500 recorded speed, direction, temperature and pressure until 2303 UCT 9 SEP '83 when the battery apparently failed. Due to instrument malfunction one section of the temperature record has been set to zero: lines 6664 (0003 UCT 2 APR 83) through 8434 (2303 UCT 14 JUN '83).

EMPEROR MOORING B

Position: 34°19.71'N, 167°02.15'E
Depth of Water: 5730
Set at: 0406 UCT 30 JUN '82 by R/V T.G. THOMPSON
Retrieved at: 0119 UCT 16 NOV '83 by R/V T.G. THOMPSON
Data Interval: 0800 UCT 30 JUN '82 to 0102 UCT 16 NOV '83

Instrumentation

<u>Depth</u>	<u>Serial No./Tape No.</u>
420 m	RCM5 2129/3
1100 m	RCM4 3185/9
3400 m	RCM5 2265/17

Instrument 2129 recorded speed, direction, temperature, and pressure until 2100 UCT 13 AUG '83 after which time the battery apparently failed.

Instrument 3185 recorded speed, direction, temperature, and pressure until the instrument was recovered.

Instrument 2265 recorded speed, direction, temperature and pressure until 0000 UCT 13 JUN '83 when the battery apparently failed. The raw direction histogram showed spikes at multiples of 32. These values were removed by interpolation. The resulting distribution of directions still shows an anomalous periodicity.

EMPEROR MOORING C

Position: 38°58.20'N, 171°05.95'E
Depth of Water: 6150 m
Set at: 0636 UCT 14 JUL '82 by R/V T.G. THOMPSON
Retrieved at: 2213 UCT 23 NOV '83 by R/V T.G. THOMPSON
Data Interval: 0946 UCT 14 JUL '82 to 2102 UCT 23 NOV '83

Instrumentation

<u>Depth</u>	<u>Serial No./Tape No.</u>
950 m	RCM5 1323/23
1650 m	RCM4 1807/3
3950 m	RCM5 1324/9
5450 m	RCM5 2266/

Instrument 1323 recorded speed, direction, temperature, and pressure until 2346 UCT 5 AUG '83 when the battery apparently failed.

Instrument 1807 recorded speed, direction, temperature, and pressure until the instrument was recovered. The instrument appears to have been running about one hour slow when recovered.

Instrument 1324 recorded speed, direction, temperature, and pressure. Direction was recorded until line 6549 (0601 13 APR '83). Speed was recorded until line 6744 (1501 22 APR '83). Temperature and pressure were recorded until line 7094 2301 5 MAY '83.

Instrument 2266 flooded. No data was recovered.

ACCESSION NO. 8500287

FILETYPE 015

TT 5082 -
TRACK NO. TT 5088

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECOR
ORIG. TAPE	12/14/85	18	A00072	7	60	6000	70,900
DUPLICATE TAPE	12/12/85	H	W05691	3	60	6000	70,900
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

69,141 rec

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

Do this
8511

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

FOIS TT5082-5088

● correction 8500287

① Corrected File ID's, cols 4-9, to TT5082-TT5088

② Originator data: cols 1-3 blank
015 inserted in cols 1-3 of all record types

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

TO: NOAA/NESDIS/NODC 2001 Wisconsin Ave. NW Washington, DC 20235	REFER TO
	ATTENTION E/OCL3, 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

Cert. no. 523124

Enclosed, find one (1) magnetic data tape and documentation containing Emperor Seamount current meter data in NODC FT 015 format. Period of data coverage is from June 1982 to November 1983.

Tape specs. - 9 track, ASCII, oddparity, 1600 bpi, 60 chars./record, block length is 60 & 6000.

CC: Dr. Bruce Taft, PMEL
Mr. Joseph Bottero, OSU

ACC # 8500287

FORWARDED BY (Signature) <i>Sid Stillwaugh</i> Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 12/5/85
RECEIVED BY (Signature) <i>Lamar Bennett</i> Lamar Bennett	TITLE Technician, E/OCL3	DATE RECEIVED 12/11/85

OPERATOR NAME: **HALMINSKI** PHONE #: **634-7441** ORG/TASK # _____ DATE SUBMITTED: **12/13/85** DATE DUE _____ BIN #: **33**

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED
FOIS **MAKE SL COPY, RON SCAN AND PRINT**
3 PAGES OF RECORDS, PUT ALL 7 FILES INTO
1 FILE

INPUT MEDIUM: PAPER, CARD, DISK, **TAPE**, DISKETTE, OTHER(SPECIFY) _____
 OUTPUT MEDIUM: CARD, DISK, PRINT, **TAPE**, PLOT, DISKETTE, OTHER(SPECIFY) _____

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
A00072		9	1600	ODD	NL	FB	60	6000	7	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
W05691		9	1600	ODD	SL	FB	60	6000	3	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME PNODC 8500287-01				PURGE DATE

SPECIAL INSTRUCTIONS _____
 ESTIMATED EXECUTION TIME _____

31 USE ONLY

3 #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
12/30/2	12/16/85			C	MTA0-MTA1-2 mounts

Completed by **E. G. Mahr**

HALMINSKI

634-7441

DATE SUBMITTED 12/11/85

DATE DUE

BIR 33

DEPARTMENT TO BE USED AND FUNCTION TO BE PERFORMED

FOIS

RUN SCAN. PRINT 3 PAGES OF RECORDS

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
PUT	A00072		9	1600	ODD	NL	FB	60	6000	7	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
	W		9	1600	ODD	SL	FB	60	6000	3	
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DN0DC *8500287-01				PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

AGENCY USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
12/11/85	12/11/85			C	MTAO - 1 mount

REMARKS

Completed by E. G. Mason

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8500287	F015	TT5082	9999	3103	317F	1982/06/28	NULL	157301
8500287	F015	TT5083	9999	3103	317F	1982/06/30	NULL	157302
8500287	F015	TT5084	9999	3103	317F	1982/06/30	NULL	157303
8500287	F015	TT5085	9999	3103	317F	1982/06/30	NULL	157304
8500287	F015	TT5086	9999	3103	317F	1982/07/14	NULL	157305
8500287	F015	TT5087	9999	3103	317F	1982/07/14	NULL	157306
8500287	F015	TT5088	9999	3103	317F	1982/07/14	NULL	157307

(7 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8500287	F015	TT5082	317F	16	10529	82/06/28	83/09/01
8500287	F015	TT5083	317F	15	9831	82/06/30	83/08/01
8500287	F015	TT5084	317F	18	12091	82/06/30	83/11/01
8500287	F015	TT5085	317F	13	8347	82/06/30	83/06/01
8500287	F015	TT5086	317F	14	9305	82/07/14	83/08/01
8500287	F015	TT5087	317F	17	11942	82/07/14	83/11/01
8500287	F015	TT5088	317F	11	7096	82/07/14	83/05/01

(7 rows affected)