

DDFA: 5: 01

DATA DOCUMENTATION FORM

TR0003

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R2651

L130

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

Virginia Institute of Marine Science
Physical Oceanography Department
Gloucester Point, Virginia

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

"V.I.M.S. SHELF DATA"

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

ICH, MA01-6, OIRT, MA08, 9, 11-17
MAXX, ISHS, IATL, IIFS, SHS1-7
SH7A, SH01-SH11

4. PLATFORM NAME(S)

R/V PATHFINDER
RANGE RECOVERER
and
[Unknown airplanes
& ship(s)]

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

Ships, planes

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR
U. S.	U. S.	July 3, 1962	April 4, 1969

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)

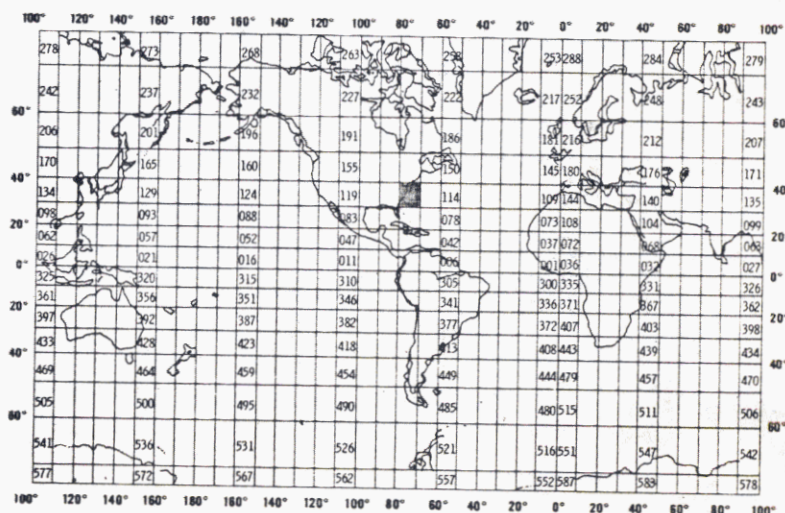
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Dr. W. J. Hargis, Jr., Director

Area Code 703-642-2111

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	700	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
Time	Eastern Standard Time			
Longitude/ Latitude	Degrees, min. and tenths of minute when available			
Water Depth	Meters (whole)			
Air Temperature	Deg. Celsius (whole)			
Wind Direction	Nearest 10 deg. 36 point scale			
Wind Speed	Meters/Sec. (whole)			
Depth of Sample	Meters (whole)			
Temperature Instrument Code		C - ICTI I - Infrared thermometer T - Stem thermometer M - RS-5 Unit B (VIMS No. 141) W - Bathythermography R - Reversing thermometer O - Thermistor Unit B J - Thermistor Unit A Y - XBT U - ARA ET 100 marine unit 709		
Temperature	Deg. Celsius (to hundredths)			

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 Instrument Code	C - A - R - M -	ICTI Titrated AgNO_3 RS7A RS-5 Unit B (VIMS No. 141)		
Salinity	Nearest hundredth of a part/thousand			

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

file
2 files - first file contains/identification; second file contains one record type (RECORD) - 82 characters long (16,854 RECORDS)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Essentially in chronological order.

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

4. RESPONSIBLE COMPUTER SPECIALIST: Mr. Montcure 703-642-2111
NAME AND PHONE NUMBER _____
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 type="checkbox"/> ASCII <input checked="" 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 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>NODC Tape # 0729</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>82 characters unblocked</p> <p>13. LENGTH OF BYTES IN BITS</p>

RECORD FORMAT DESCRIPTION

RECORD NAME RECORD

14. FIELD NAME	15. POSITION FROM MEASURED IN Bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Day	3	2	Bytes	I2	
Month	5	2	"	I2	
Year	7	2	"	I2	
Time	9	3	"	I3	
Vessel Code	12	2	"	A2	
Cruise Designator	14	4	"	A4	
Area Code	18	3	"	A3	
Latitude	21	5	"	I5	
Longitude	26	5	"	I5	
Water Depth	31	4	"	F4.0	
Blank	35	1	"	1x	(Col. 35 blank)
Air Temp.	36	3	"	A3	(Negative sign in col. 36)
Wind Direction	39	2	"	I2	
Wind Speed	41	2	"	I2	
Blank	43	2	"	2x	(Would be Secchi disc visibility to nearest tenths of meter)
No. of Levels	45	2	"	I2	
Depth of Sample	47	4	"	F4.0	
Temp. Instrument Code	51	1	"	A1	
Temperature	52	4	"	F4.2	
Sal. Instr. Code	56	1	"	A1	
Salinity	57	4	"	F4.2	
Originator's Card Code	61	4	"	I4	
Blank	65	11	"	11x	
Originator's Sta. code & location	76	7	"	A7	Originator's internal use

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 (✓)	

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TABLE 2 (Cols. 11, 25, 30)
Conversion of Minutes to Tenths

Range of Minutes	Tenths
00-05	0
06-11	1
12-17	2
18-23	3
24-29	4
30-35	5
36-41	6
42-47	7
48-53	8
54-59	9

TABLE 3 (Cols. 12, 13)
Vessel Code Designations

Vessel	Code
Orange Recorder (NASA)	KN
R/L W. K. Brooks	BR
Commission of Fisheries Vessels	CF
U.S. Army LCU ("Army Up" during operation KITE)	CU
Fixed Position	FP
R/L Captain Hoxton	HO
R/L Investigator	IN
M/V Irma Virginia	IV
Any U.S. Army "J-Boat"	JB
R/V Langley	LA
U.S. Army LCU ("Army Down" during operation KITE)	LC
"Langley Forward" (used when observations are made aboard the Langley in duplicate)	LF
USS Marmer	MA
Marmer Launch	ML
R/L Observer	OB
R/V Pathfinder	PA
Any Airplane	PL
R/L Restless	RE
Any Institute Outboard Skiff	SK
M/V Sea Queen	SQ
Any U.S. Army "T-Boat"	TB
R/V Virginia Lee	VL
M/V White Stone	WS
Rented Boat	RB

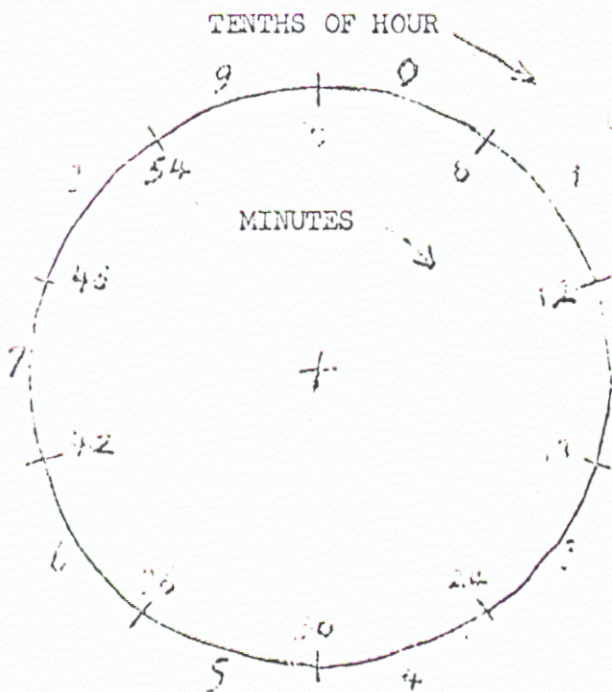


TABLE 4 (Col. 14)
Department Code Designations*

Department	Code
Applied Science Dept.	A
Crustaceology Dept.	C
Data Processing Dept.	D
Ecology-Pollution Dept.	E
Environmental Physiology Dept.	F
Ichthyology Dept.	I
Ichthyology-Crustaceology combined cruises	IC
Malacology Dept.	M
Physical Oceanography Dept.	O
Pathology-Microbiology	P
Student Training Cruises	S

(21. 10. 1966)

* If used, these code letters should be the first letter(s) of the cruise designation.