

DATA DOCUMENTATION FORM

TR-1294

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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.

ORIGINATOR TAPE

USER TAPE

OMCS LIB. #9003, #9004

A. ORIGINATOR IDENTIFICATION

OMCS LIB. #9010 11543

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

Physical Oceanography Lab
NOAA, AOML
15 Rickenbacker Causeway
Virginia Key, Miami, Florida

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

Marine Ecosystems Analysis Program
New York Bight Project

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

~~Researcher MESA 1974 Cruise 2~~
Researcher MESA 1974 Cruise 5

4. PLATFORM NAME(S)

NOAA Ship
Researcher

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

Ship

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

PLATFORM

OPERATOR

U.S.A.

U.S.A.

7. DATES

FROM: MO/DAY/YR

TO: MO/DAY/YR

03/08/74
05/06/74

03/15/74
05/13/74

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?)

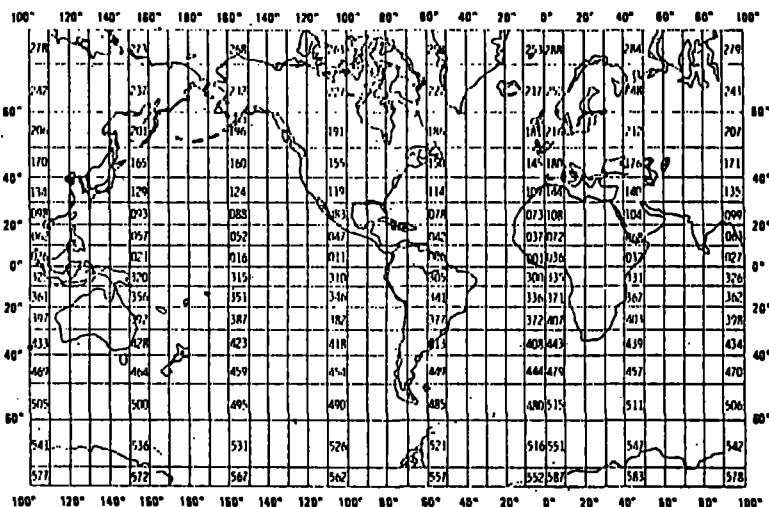
☐ NO ☒ YES ☐ PART (SPECIFY BELOW)

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

Michael Darnell

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	7or	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
Temperature	°C to nearest thousandth	Reversing Thermometers	N/A	N/A
		STD Plessey Model 9040	N/A	Data hand filtered, averaged over 1 meter intervals
Salinity	0/00 to nearest thousandth	Niskin Bottles	Plessey 6230 salinometer	N/A
		STD Plessey Model 9040	N/A	Data hand filtered, averaged over 1 meter intervals
Sigma-t	To nearest hundredth	N/A	N/A	Values computed from filtered Depth, Salinity, and Temperature, averaged over 1 meter intervals
Depth	Meters to nearest tenth of a meter	STD Plessey Model 9040	N/A	Data hand filtered, averaged over 1 meter intervals
Nitrite	Microgram-atoms to nearest tenth	Niskin Bottles	Samples quick frozen in 125 ml aged polyethylene bottles sealed with poly-seal caps. At AOML water chemistry lab, samples were analyzed with a four-channel Technicon Auto-analyzer, generally within a period of 6 weeks after their collection	N/A

B. SCIENTIFIC CONTENT

[illegible]

15-1216

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

NODC User Tape *TROO35*

"1" = File Header
"2" = Station Header 1
"3" = Station Header 2
"4" = Data Record

GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequential

ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

RESPONSIBLE COMPUTER SPECIALIST:

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 checked="" type="checkbox"/> .56</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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> EBCDIC</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" 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>DMCS # = <i>17543</i></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>BLKSIZE=4000, LRECL=80</p>
		<p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

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

3. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Michael Darnell (305) 361-3361 ext. 326

ADDRESS 15 Rickenbacker Cswy., Virginia Key, Miami, Florida

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input 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 checked="" type="checkbox"/> SEVEN</p> <p><input 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 type="checkbox"/> ODD</p> <p><input checked="" 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>NODC 22 and NODC 52</p> <p>NODC 22 = > 51 STD casts, MESA, N.Y. Bight, 74/03/08-74/03/15.</p> <p>NODC 52 = > 31 STD casts, MESA, N.Y. Bight 74/05/06-74/05/13</p> <p><i>Originator 9003, 9004</i></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" 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>168</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>3</p>

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (File Header Record)
VESSEL	11	11	11A1	(left aligned)
CRUISE	22	6	6A1	Originator's cruise identifiers
CRUISE DATES	28	17	5(I2,A1), I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; ending Month, Day, Year.
SENIOR SCIENTIST	45	19	19A1	(left aligned)
INVESTIGATOR	64	17	17A1	Responsible Institution (left aligned)
<u>First Station Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"2" (First Station Header Record)
SEQUENCE	11	3	I2	Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier.
LATITUDE	19	6	3I2	Degrees, Minutes, Seconds
LATHEM	25	1	A1	Hemisphere "N" or "S"
LONGITUDE	26	7	I3,2I2	Degrees, Minutes, Seconds
LONHEM	33	1	A1	Hemisphere "W" or "E"
TIME	34	3	F3.1*	GMT in hours
DATE	37	8	2(I2,A1), I2	XX/XX/XX Station date; Month, Day, Year
BOTTOM	45	5	F5.1*	Water Depth, meters <i>To ‰</i>
NAVIGATION	50	2	I2	(See attached codes)
METHOD	52	1	I1	"1" = STD; "2" = XBT
blank	53	28	28X	blank

*Decimal place is IMPLIED; "period" is not present.

1. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Record Type "2" Terminator				Optional; for those who must re-read their file using FORTRAN.
IDENT	1	10	A3,3I2, A1	
SEQUENCE	11	3	A3	"998" (constant)
Blank	14	67	67X	blank
Second Station Header Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1	"3" (Second Station Header Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier
BAROMETER	19	3	F3.1*	Pressure in millibars
DRY BULB	22	4	4.1*	Air temperature; degrees Celsius
WET BULB	26	4	4.1*	Air temperature; degrees Celsius
WIND DIRECTION	30	2	I2	WMO code 0877; tens of degrees
WIND SPEED	32	2	I2	Knots
SEA DIRECTION	34	2	I2	WMO code 0885; tens of degrees
SEA HEIGHT	36	1	A1	WMO code 1555
SWELL DIRECTION	37	2	I2	WMO code 0885
SWELL HEIGHT	39	1	A1	WMO code 1555
WEATHER	40	1	I1	WMO code 4501
CLOUD TYPE	41	1	A1	WMO code 0500
CLOUD COVER	42	1	I1	WMO code 2700
VISIBILITY	43	1	I1	WMO code 4300
TRANSPARENCY	44	4	F4.1*	SECCHI Disk Depth; meters
TURBIDITY CODE	48	1	I1	(see attached codes)
Blank	49	37	37X	blank

* Decimal place is IMPLIED; "period" is not present.

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
		NUMBER		
<u>Record Type "3" Terminator</u>				Optional for those who must re-read their files in FORTRAN. Same as "Second Station Header Record". "998" (constant) blank
IDENT	1	10	A3,3I2, A1	
SEQUENCE	11	3	A3	
blank	14	67	67X	
<u>Data Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1	"4" (Data Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier
DEPTH	19	4	F4.1*	Sample depth, meters <i>to 40</i>
TEMPERATURE	23	5	F5.3*	Water temp.; degrees Celsius
SALINITY	28	5	F5.3*	Salinity; parts per thousand
SIGMA-T	33	4	F4.2*	Sigma-T
TRANSMISSIVITY	37	3	F3.1*	Transmissivity; percent
PH	40	3	F3.2*	pH
EH	43	4	F4.2*	Eh
OXYGEN	47	4	F4.2*	Dissolved; ml./liter
AMMONIA	51	3	F3.1*	Microgram-atoms/liter
NITRITE	54	3	F3.2*	Microgram-atoms/liter
NITRATE	57	4	F4.2*	Microgram-atoms/liter
SILICATE	61	4	F4.2*	Microgram-atoms/liter
PHOSPHATE	65	3	F3.2*	Inorganic; µg-atoms/liter
SOLIDS	68	4	F4.2*	Suspended solids mg./liter
TURBIDITY	72	4	F4.2*	Turbidity; mg/liter
CHLOROPHYLL	76	5	F5.2*	Chlorophyll; mg/meter ³
<u>Record Type "4" Terminator</u>				Optional; for those who must re-read their file using FORTRAN. Same as "Data Record" "998" = end station. "999" = end file blank
IDENT	1	10	A3,3I2,A1	
SEQUENCE	11	3	A3	
blank ,	14	67	67X	
*Decimal place is IMPLIED; "period" is not present.				

Special Codes

Water Physics and Chemistry

NAVIGATION

- 01 = Loran (mixed or unspecified)
- 02 = Radar and/or fixes
- 03 = Raydist without complications
- 04 = Raydist with errors, drifting, etc.
- 05 = Satellite
- 06 = Omega
- 07 = Loran A only
- 08 = Loran C only

TURBIDITY CODE

- 1 = Turbidometer; in JTU
- 2 = Transmissometer; in percent of light transmission over a 10 cm. path.
- 3 = Fluorometer; suspended solids calibration

CRUISE VESSEL LOCATION BEGIN-END DATES COUNT PARAMETER

2 RESEARCHER N20+ 4070+
N30+ 4070+
N40+ 4070+
140+ 4070+

740308	740315	51	CHLOROPHYLL
740308	740315	51	STATIONS
740308	740315	51	TEMPERATURE
740308	740315	51	SALINITY
740308	740315	51	SIGMA T
		C	TRANSPARENCY
		C	PH
		C	PH
740308	740312	14	OXYGEN
		C	AMMONIA
740308	740315	28	NITRITE
740308	740315	28	NITRATE
740308	740315	28	SILICATE
740308	740315	28	INORGANIC PHOSPHATE
		C	SUSPENDED SOLIDS
		C	TURBIDITY

CRUISE VESSEL LOCATION BEGIN-END DATES CELNT PARAMETER

5

RESEARCHER

130+ 4070+
130+ 4070+
130+ 4070+
140+ 4070+
140+ 4070+
140+ 4070+

			C	CHLOROPHYLL
740506	740513	21		STATIONS
740506	740513	21		TEMPERATURE
740506	740513	21		SALINITY
740506	740513	21		SIGMA T
			C	TRANSMISSIVITY
			C	PH
			C	EH
740506	740513	26		OXYGEN
			C	AMMONIA
740506	740513	21		NITRITE
740506	740513	21		NITRATE
740506	740513	21		SILICATE
740506	740513	21		INORGANIC PHOSPHATE
			C	SUSPENDED SOLIDS
			C	TURBIDITY

CRUISE	DATES	SHIP	STATIONS	TEMP	SALINITY	SIGMA T	TRANSMISSIVITY	PH	OXYGEN	AMMONIA	NITRITE	NITRATE	SILICATE	INORG PO4	SOLIDS	TURBIDITY	CHLOROPHYLL	PAGE
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2	74 3 8	RESEARCHER	16	16	16	16	0	0	0	7	0	15	15	15	15	0	0	0
	74 312	N30+ W 70+																
2	74 3 9	RESEARCHER	35	35	35	35	0	0	0	7	0	13	13	13	13	0	0	0
	74 315	N40+ W 70+																
	74 5 8	RESEARCHER	16	16	16	16	0	0	0	11	0	16	16	16	16	0	0	0
	74 513	N30+ W 70+																
	74 5 6	RESEARCHER	15	15	15	15	0	0	0	15	0	15	15	15	15	0	0	0
	74 511	N40+ W 70+																

82 TOTAL STATIONS
 4 CRUISES
 35 MAX STATIONS/CRUISE
 15 MIN STATIONS/CRUISE
 20 AVG STATIONS/CRUISE

Passw0rd:

accNo	. fleA	refNo	proj	inst	ship	startDate	cruise	catId
7501210	F004	TR0035	0065	311A	3175	1974/03/08	2	294880
7501210	F004	TR1294	0065	311A	3175	1974/05/06	5	294881

(2 rows affected)

Password:.

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
7501210	F004	TR0035	3175	51	5083	Mar 8 1974	Mar 15 1974
7501210	F004	TR1294	3175	31	3839	May 6 1974	May 13 1974

(2 rows affected)