ACCESSION NUMBER 77-0712

DDF-B:2:16

DATA DOCUMENTATION FORM

(Track)* TR1811-1828

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-R26

F005

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; OMCS Lib. #(s):

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

Oceanographic Surveys Branch
Oceanographic Division
National Ocean/Survey/National Oceanic & Atmospheric Administration
Rockville, MD 20852

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

MESA New York Bight

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

N/A

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
N/A	Taut-wire mooring, buoy.	USA	USA		

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES See MESA Data Management Program

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?)

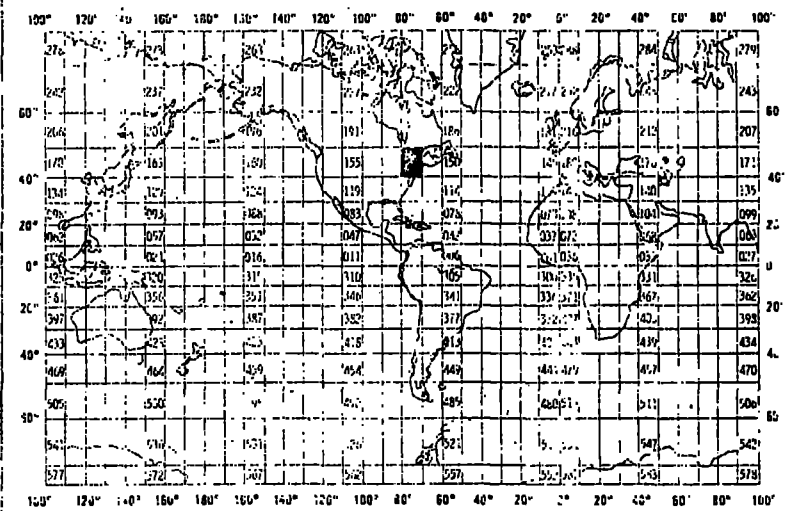
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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	7oo	Nansen bottles	Inductive salinometer (Hytech model S 510)	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
Current Direction	Degrees from true north.	Aanderaa Current Meter	*	**
Current Velocity	Centimeters per second.	Aanderaa Current Meter		
Water Temperature	Degrees Celsius	Aanderaa Current Meter		
Water Pressure	Kilograms per square centimeter	Aanderaa Current Meter		
Conductivity	Millimhos per centimeter	Aanderaa Current Meter		

* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

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

· COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE MAGNETIC TAPE, OR DISC SUBMISSIONS.

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

FILE HEADER RECORDS are identified by "1" in position ten of the record. Text contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, and data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.
One physical file is permitted on each tape, and may contain several logical files.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE: ☒ BCD ☐ BINARY ☐ ASCII ☐ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS): ☒ SEVEN ☐ NINE ☐ _____

7. PARITY: ☐ ODD ☒ EVEN

8. DENSITY: ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☒ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN): ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK: ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)

DEN=2 by default
Vol Ser = NO[illegible] (orig.) vol ser = 11270 (2nd copy)
Vol Ser = 02360 (copy)

12. PHYSICAL BLOCK LENGTH IN BYTES: 4500

13. LENGTH OF BYTES IN BITS: 6

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 — USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

TRACKS-1871-1828
(1811-1828)

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER D752- NOAA/EDS/NODC - 6347505
ADDRESS WASHington, DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____

10. END OF FILE MARK
☐ OCTAL 17
☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

006003 (1,NL)

TRACKS

12. PHYSICAL BLOCK LENGTH IN BYTES
4800

13. LENGTH OF BYTES IN BITS
60

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.

RECORD FORMAT DESCRIPTION

RECORD NAME MESA BIGHT FILE TYPE 005

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Station Header Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
LATHEM	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
LONHEM	30	1	bytes	A1	"W" or "E" Hemisphere
[illegible]OR	31	4	bytes	F4.1	Depth in Meters
[illegible]R	35	4	bytes	F4.1	Depth in Meters
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2"3
DATE	16	6	bytes	3I3	Year, Month, Day; observed
TIME	22	4	bytes	F4.2	Time in Hours; observed
DIRECTION	26	3	bytes	F3.0	Degrees from true North
VELOCITY	29	4	bytes	F4.0	Current; cm/sec.
TEMP	33	3	bytes	F3.1	Degrees Celsius
PRESSURE	36	4	bytes	F4.2	kg/cm^2
CONDUCTIVITY	40	4	bytes	F4.2	Millimhos/cm
blank	44	2	bytes	2X	blank

FILE HEADER NO. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr. Mo. Day						Record Type		Station																																		
Comment Number																																											
Text (Optional)																																											

FILE HEADER NO. 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						Record Type		Station																																		
Comment Number																																											
Text (Optional)																																											

FILE HEADER NO. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						Record Type		Station																																		
Comment Number																																											
Text (Optional)																																											

STATION HEADER

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						Record Type		Station																																		
																Latitude																														
																Degrees																														
																Minutes																														
																Seconds																														
																"N" or "S"																														
																Longitude																														
																Degrees																														
																Minutes																														
																Seconds																														
																"E" or "W"																														
																Meters																														
																Tenths																														
																Meters																														
																Tenths																														
																Blank																														

DATA RECORD (S)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						Record Type		Station					Observed Date and Time					Current Dir.	Current Velocity	Temp	Pressure	Conductivity																				
																Year					Degrees from True North	Centimeters Per Second	Degrees Celsius	Kilograms Per cm²	Millimhos per cm																				
																Month							Tenths																						
																Day							Kilograms Per cm²																						
																Hour							Hundredths of Kg./cm²																						
																redths our							Millimhos per cm																						
																							Hundredths																						
																							Blank																						

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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
Aanderaa Current Meter			MESA	(field season)					

Access # 77-0712

0712

CURRENT DATA (TYPE 0F59) FROM NOS TO NODC

```
0057705041 LT2A1NEW YORK BIGHT     ,NOS,NOAA
0057705041 LT2A2AANDERAA,S/N 1487, R/N  655
0057705041 LT2A3334- 46,1976,SHIP KELEZ
0057705042 LT2A39243 N 734248W 154 323
0057705043 LT2A7611301953 36  29 96 132    0        FIRST DATA POINT
0057705043 LT2A77 2 91503  0   0  5 129    0        LAST DATA POINT  ( NO.  3446 )
```

STATION LT-2-A

NOV.30,1976 TO FEB.9,1977

TR1811

```
0057705041 LT1S1NEW YORK BIGHT     ,NOS,NOAA
0057705041 LT1S2AANDERAA,S/N 1342, R/N 1607
0057705041 LT1S3337- 39,1976,SHIP KELEZ
0057705042 LT1S4  654N 725512W  12 479
0057705043 LT1S7612 11833313   9 93  423562       FIRST DATA POINT
0057705043 LT1S77 2 82233178  14 30  473119       LAST DATA POINT  ( NO.  4975 )
45 BLANKS AT END OF STATION
```

STATION LT-1-S

DEC.1,1976 TO FEB.8,1977

TR1813

```
0057705041 LT1B1NEW YORK BIGHT     ,NOS,NOAA
0057705041 LT1B2AANDERAA,S/N 1341, R/N  933
0057705041 LT1B3336- 39,1976,SHIP KELEZ
0057705042 LT1B4  654N 725512W 195 479
0057705043 LT1B7612 11810309   8 92 2043549       FIRST DATA POINT
0057705043 LT1B77 2 82106175  14 29 2043117       LAST DATA POINT  ( NO.  3318 )
```

STATION LT-1-B

DEC.1,1976 TO FEB.8,1977

TR1812

NODC

Acc. No.: 77-0712
Ref. Nos.: TR1811 thru TR1828

STATION LT-1-A

DEC.1,1976 TO FEB.8,1977

TR1814

0057705041 LT1A1NEW YORK BIGHT ,NOS,NOAA
0057705041 LT1A2AANDERAA,S/N 1351, R/N 25
0057705041 LT1A3336- 39,1976,SHIP KELEZ
0057705042 LT1A4 654N 725512W 479

0057705043 LT1A7612 11807309 3 92 893545 FIRST DATA POINT

0057705043 LT1A77 2 32157 69 13 29 893114 LAST DATA POINT (NO. 3318)

STATION LT-1-D

DEC.1,1976 TO FEB.8,1977

TR1815

0057705041 LT1D1NEW YORK BIGHT ,NOS,NOAA
0057705041 LT1D2AANDERAA,S/N 656, R/N 71
0057705041 LT1D3336- 39,1976,SHIP KELEZ
0057705042 LT1D4 654N 725512W 479

0057705043 LT1D7612 11813231 19631 479 0 FIRST DATA POINT

0057705043 LT1D77 2 82163 97 6 31 482 0 LAST DATA POINT (NO. 3318)

STATION LT-1-C

DEC.1,1976 TO FEB.8,1977

TR1816

0057705041 LT1C1NEW YORK BIGHT ,NOS,NOAA
0057705041 LT1C2AANDERAA,S/N 1133, R/N 874
0057705041 LT1C3336- 39,1976,SHIP KELEZ
0057705042 LT1C4 654N 725512W 396 479

0057705043 LT1C7612 11981251 20131 483 0 FIRST DATA POINT

0057705043 LT1C77 2 32139125 9 31 485 0 LAST DATA POINT (NO. 3318)

0012

STATION LT-6-D

DEC.1,1976 TO FEB.9,1977

TR1817

0[illegible]5041 LT6D1NEW YORK BIGHT ,NOS,NOAA
0[illegible]5041 LT6D2AANDERAA,S/N 1126, R/N 832
0057705041 LT6D3334- 41,1976,SHIP KELEZ
0[illegible]5042 LT6D40 712N 733648W 622 705

0[illegible]5043 LT6D7612 11413242 27135 621 0 FIRST DATA POINT

0[illegible]5043 LT6D77 2 92013213 13 2 635 0 LAST DATA POINT (NO. 3373)
45 BLANKS AT END OF STATION

STATION LT-6-E

DEC.1,1976 TO FEB.9,1977

TR 1818

0057705041 LT6E1NEW YORK BIGHT ,NOS,NOAA
0[illegible]5041 LT6E2AANDERAA,S/N 61[illegible], R/N 969
0057705041 LT6E3336- 41,1976,SHIP KELEZ
0057705042 LT6E40 712N 733648W 695 705

0[illegible]5043 LT6E7612 11467 52 25135 728 0 FIRST DATA POINT.

0[illegible]5043 LT6E77 2 92[illegible]17244 2 15 728 0 LAST DATA POINT (NO. 3372)

STATION LT-6-S

DEC.1,1976 TO FEB.9,1977

TR1819

0057705041 LT6S1NEW YORK BIGHT ,NOS,NOAA
0[illegible]5041 LT6S2AANDERAA,S/N 1256, R/N 669
0[illegible]5041 LT6S3334- 41,1976,SHIP KELEZ
0[illegible]5042 LT6S40 712N 733646W 9 705

0057705043 LT6S7612 11459211 7 07 453499 FIRST DATA POINT

0057705043 LT6S77 2 92[illegible] 26 2 17 1862972 LAST DATA POINT (NO. 3372)

STATION LT-6-C

DEC.1,1976 TO FEB.9,1977

0[illegible]5041 LT6C1NEW YORK BIGHT ,NOS,NOAA
0[illegible]5041 LT6C2AANDERAA,S/N 148[illegible], R/N 745
0057705041 LT6C3334- 41,1976,SHIP KELEZ
0[illegible]5042 LT6C40 712N 733648W 592 705

TR1820

```
0[illegible]5043 LT6C7612 1142729[illegible] [illegible]2135 5224178        FIRST DATA POINT

0[illegible]5043 LT6C77 2 92[illegible]2728[illegible] 36259176235[illegible]        LAST DATA POINT  ( NO.  5059 )
45 BLANKS AT END OF STATION
```

STATION LT-6-B

DEC.1,1976TO FEB 9,1977

TR1821

```
0[illegible]5041 LT6B1NEW YORK BIGHT     ,NOS,NOAA
0[illegible]5041 LT6B2AANDERAA,S/N 1[illegible]86, R/N  875
0[illegible]5041 LT6B3334- 41,1976,SHIP KELEZ
0[illegible]5042 LT6B40 712N 733648W 421 705

0[illegible]5043 LT6B7612 11407253  [illegible]2132 42[illegible]  0        FIRST DATA POINT

0[illegible]5043 LT6B77 2 91957186  13 18 431  [illegible]        LAST DATA POINT  ( NO.  3372 )
```

STATION LT-2-B

NOV.30,1976TO FEB.8,1977

TR1822

```
0[illegible]5041 LT2B1NEW YORK BIGHT     ,NOS,NOAA
0[illegible]5041 LT2B2AANDERAA,S/N 1338, R/N  993
0[illegible]5041 LT2B3334- 4[illegible],1976,SHIP KELEZ
0[illegible]5042 LT2B39243[illegible]N 734548W 239 323

0[illegible]5043 LT2B7611381907  2  19 9[illegible] 2523594        FIRST DATA POINT

0[illegible]5043 LT2B77 2 81357281  12  4 2592859        LAST DATA POINT  ( NO.  34[illegible] )
```

STATION LT-2-S

NOV.30,1976TO FEB.9,1977

TR1823

```
0[illegible]5041 LT2S1NEW YORK BIGHT     ,NOS,NOAA
0[illegible]5041 LT2S2AANDERAA,S/N 1[illegible]9 , R/N  723
0[illegible]5041 LT2S3334- 4[illegible],1976,SHIP KELEZ
0[illegible]5042 LT2S39243[illegible]N 734548W   9 323

0[illegible]5043 LT2S7611[illegible]2950 62   7 56  45   0        FIRST DATA POINT
```

0057705943 LT2S77 2 91400393 15 3 55 5 LAST DATA POINT (NO. 3398)

STATION LT-1-A

FEB 8 TO APRIL 18, 1977

TR1824

0057706241 LT1A1NEW YORK BIGHT ,NOS,NOAA
0057706241 LT1A2AANDERAA,S/N 1353, R/N 869
0057706241 LT1A3 39-116,1977,SHIP KELEZ
0057706242 LT1A392654N 725512W 141 479

0057706243 LT1A77 2 82213236 17 29 8831 5 FIRST DATA POINT

0057706243 LT1A77 41722033011 18 57 993281 LAST DATA POINT (NO. 3313)
45 BLANKS AT END OF STATION

STATION LT-2-A

FEB.9 TO APRIL 25, 1977

TR 1825

0057706241 LT2A1NEW YORK BIGHT ,NOS,NOAA
0057706241 LT2A2AANDERAA,S/N 724, R/N 349
0057706241 LT2A3 39-116,1977,SHIP KELEZ
0057706242 LT2A392442N 734336W 140 329

0057706243 LT2A77 2 91553336 16 6 1322846 FIRST DATA POINT

0057706243 LT2A77 42418532401 45 71 1313387 LAST DATA POINT (NO. 3617)
45 BLANKS AT END OF STATION

STATION LT-2-C

FEB.9 TO APRIL 25, 1977

TR1826

0057706241 LT2C1NEW YORK BIGHT ,NOS,NOAA
0057706241 LT2C2AANDERAA,S/N 1788, R/N 521
0057706241 LT2C3 39-116,1977,SHIP KELEZ
0057706242 LT2C392442N 734336W 139 329

0057706243 LT2C77 2 91513221 16 6 185) FIRST DATA POINT

0057706243 LT2C77 42416613186 13 49 319) LAST DATA POINT (NO. 3617)
45 BLANKS AT END OF STATION

STATION LT-6-A

FEB. 9 TO APRIL 19, 1977

TR1827

```
0057706241 LT6A1NEW YORK BIGHT     ,NOS,NOAA
0057706241 LT6A2AANDERAA,S/N 1089, R/N  3?4
0057706241 LT6A3 39-119,1977,SHIP KELEZ
0057706242 LT6A40 712N 733648W 226 711

0057706243 LT6A77 2 92203296  12 15 194    0        FIRST DATA POINT


0057706243 LT6A77 413 353111  22 55 201    ?        LAST DATA POINT  ( NO.  3276 )
```

STATION LT-6-E

FEB. 9 TO APRIL 19, 1977

TR1828

```
0057707121 LT6E1NEW YORK BIGHT     ,NOS,NOAA
0057707121 LT6E2AANDERAA,S/N 1346, R/N  3021
0057707121 LT6E3 39-109,1977,SHIP KELEZ
0057707122 LT6E40 712N 733648W 7?1 711

0057707123 LT6E77 2 92217296  17 24 7173072      FIRST DATA POINT


0057707123 LT6E77 418 367158   8 44 7323228      LAST DATA POINT  ( NO.  3276 )
```

642 BLOCKS WRITTEN.
ALL BLOCKS ARE OF LENGTH 45?0 CHARACTERS,
EXCEPT THE LAST WHICH IS 225? CHARACTERS LONG

0712

NOAA FORM 61-29
(12-71)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

LETTER TRANSMITTING DATA

REFERENCE NO.
C333-89-GTN

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY *(Check)*:

☒ ORDINARY MAIL ☐ AIR MAIL
☐ REGISTERED MAIL ☐ EXPRESS
☐ GBL *(Give number)* _____

DATE FORWARDED
9/9/77

NUMBER OF PACKAGES
1

TO:

Mr. Jim Ridlon
NODC
2001 Wisconsin Ave. N.W.
Washington, DC 20235
Attn: D781 rm. 428

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

MESA Data

One magnetic tape and related papers transmittal 701 and 702 covering the period from ~~August~~ November 1976 to April 1977.

RECEIVED 12 SEP 1977

FROM: *(Signature)* Charles R. Muirhead
Charles R. Muirhead

RECEIVED THE ABOVE
(Name, Division, Date)

Return receipted copy to:

NOAA/National Ocean Survey
6001 Executive Blvd.
Rockville, Md. 20852
Attn: C333

NOAA FORM 61-29 SUPERSEDES FORM C&GS 413 WHICH MAY BE USED.

FORM C&GS-413 (2-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

REFERENCE NO.
C333-117-GTN

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):

[X] ORDINARY MAIL [ ] AIR MAIL
[ ] REGISTERED MAIL [ ] EXPRESS
[ ] GBL (Give number) _____

TO:

Mr. Jim Ridlon
NODC
2001 Wisconsin Ave. N.W.
Washington, D.C. 20235
Attn: D781

DATE FORWARDED
12/19/77

NUMBER OF PACKAGES
1

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

MESA Data

One magnetic tape and related papers transmittal 701 and 702 covering the period from November 1976 to April 1977.

Regeneration of data tape previously forwarded 9/9/77.

FROM: (Signature) Charles R. Muirhead

Charles R. Muirhead

RECEIVED THE ABOVE
(Name, Division, Date)

Return receipted copy to:

NOAA/National Ocean Survey
6001 Executive Blvd.
Rockville, Md. 20852
Attn: C333

USCOMM-DC 30285-

Catalog 5-2 ~~005-1A~~ 47

SPF BACK 013987 ANSI 002136

7673 6809 (C4209)

60/4800, SL #1 U02021Ø

F005

TR 1811-1828, 1914-1942

236,378

Accession No.: 77-0712

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7700712 F005 TR1811 0065 31J4 317F    1976/11/30 LT-2-A       304925
 7700712 F005 TR1812 0065 31J4 317F    1976/12/01 LT-1-B       304926
 7700712 F005 TR1813 0065 31J4 317F    1976/12/01 LT-1-S       304927
 7700712 F005 TR1814 0065 31J4 317F    1976/12/01 LT-1-A       304928
 7700712 F005 TR1815 0065 31J4 317F    1976/12/01 LT-1-D       304929
 7700712 F005 TR1816 0065 31J4 317F    1976/12/01 LT-1-C       304930
 7700712 F005 TR1817 0065 31J4 317F    1976/12/01 LT-6-D       304931
 7700712 F005 TR1818 0065 31J4 317F    1976/12/01 LT-6-E       304932
 7700712 F005 TR1819 0065 31J4 317F    1976/12/01 LT-6-S       304933
 7700712 F005 TR1820 0065 31J4 317F    1976/12/01 LT-6-C       304934
 7700712 F005 TR1821 0065 31J4 317F    1976/12/01 LT-6-B       304935
 7700712 F005 TR1822 0065 31J4 317F    1976/11/30 LT-2-B       304936
 7700712 F005 TR1823 0065 31J4 317F    1976/11/30 LT-2-S       304937
 7700712 F005 TR1824 0065 31J4 317F    1977/02/08 LT-1-A       304938
 7700712 F005 TR1825 0065 31J4 317F    1977/02/09 LT-2-A       304939
 7700712 F005 TR1826 0065 31J4 317F    1977/02/09 LT-2-C       304940
 7700712 F005 TR1827 0065 31J4 317F    1977/02/09 LT-6-A       304941
 7700712 F005 TR1828 0065 31J4 317F    1977/02/09 LT-6-E       304942

(18 rows affected)
```

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7700712	F005	TR1811	317F	4	3404	76/11/30	77/02/09
7700712	F005	TR1812	317F	3	3322	76/12/01	77/02/08
7700712	F005	TR1813	317F	3	4979	76/12/01	77/02/08
7700712	F005	TR1814	317F	3	3322	76/12/01	77/02/08
7700712	F005	TR1815	317F	3	3322	76/12/01	77/02/08
7700712	F005	TR1816	317F	3	3322	76/12/01	77/02/08
7700712	F005	TR1817	317F	3	3377	76/12/01	77/02/09
7700712	F005	TR1818	317F	3	3376	76/12/01	77/02/09
7700712	F005	TR1819	317F	3	3376	76/12/01	77/02/09
7700712	F005	TR1820	317F	3	5063	76/12/01	77/02/09
7700712	F005	TR1821	317F	3	3376	76/12/01	77/02/09
7700712	F005	TR1822	317F	4	3404	76/11/30	77/02/08
7700712	F005	TR1823	317F	4	3402	76/11/30	77/02/09
7700712	F005	TR1824	317F	3	3317	77/02/08	77/04/18
7700712	F005	TR1825	317F	3	3611	77/02/09	77/04/25
7700712	F005	TR1826	317F	3	3611	77/02/09	77/04/25
7700712	F005	TR1827	317F	3	3280	77/02/09	77/04/19
7700712	F005	TR1828	317F	3	3280	77/02/09	77/04/19

(18 rows affected)