

NOAA FORM 24-13
(4-72)

DATA DOCUMENTATION FORM

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

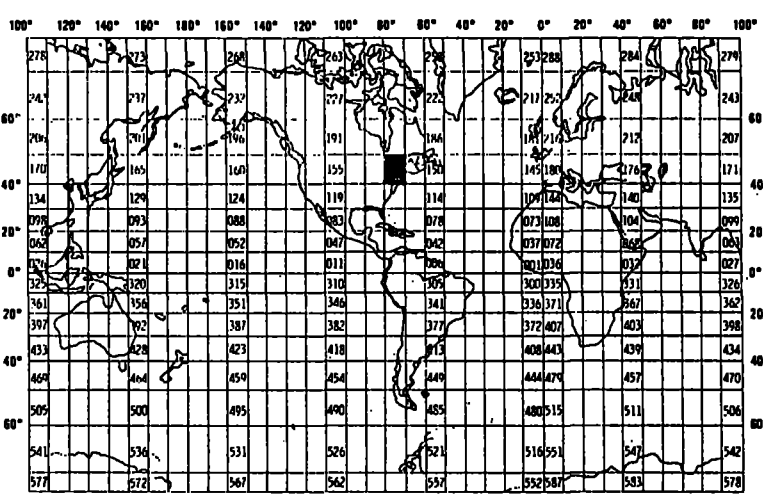
F005

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) N/A	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Taut-wire mooring, buoy Kelez G. B.	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR USA USA	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 4/21/77 11/3/77
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES See MESA Data Management Program 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) Chief, Oceanographic Surveys Branch (301) 443-8501			

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.				

DRIG.

1. LIST 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

<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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB TRTCH=ET)</p> <p>DEN=2 by default.</p> <p><i>Vol=Ser=JR121(orig); Vol=Ser=11994(0/e)</i></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 checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4500</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

1. 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

See Original for's tape

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D752-NOAA/EDIS/NODC - 202-6347505
ADDRESS WASHINGTON, DC. 202135

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>006887 (1.5L)</p> <p>DSN = TR3657</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 536 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>60</p>

RECORD FORMAT DESCRIPTION

RECORD NAME MESA BIGHT FILE TYPE 005

14. RECORD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<u>File Header Record</u>					
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
<u>Station Header Record</u>					
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
LONGHEM	30	1	bytes	A1	"W" or "E" Hemisphere
SEAFLOOR	31	4	bytes	F4.1	Depth in Meters
WATER	35	4	bytes	F4.1	Depth in Meters
blank	39	7	bytes	7X	blank
<u>Data Record</u>					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2"
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

AANDERAA CURRENT DATA FORMAT

FILE
HEADER NO.1

File Type			Creation Date Yr. Mo. Day							Record Type	Station					Comment Number	Text (Optional)																											
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
HEADER NO.2

File Type			Creation Date Yr., Mo., Day							Record Type	Station					Comment Number	Text (Optional)																											
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
HEADER NO.3

File Type			Creation Date Yr., Mo., Day							Record Type	Station					Comment Number	Text (Optional)																											
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

STATION
HEADER

File Type			Creation Date Yr., Mo., Day							Record Type		Station					Latitude			Longitude			Sensor Depth		Water Depth		Blank																	
																	Degrees	Minutes	Seconds "N" or "S"	Degrees	Minutes	Seconds "E" or "W"	Meters	Tenths	Meters	Tenths																		
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

DATA
RECORD (S)

File Type			Creation Date Yr., Mo., Day							Record Type		Station					Observed Date and Time				Current Dir.	Current Velocity	Temp		Pressure		Conductivity		Blank
																	Year	Month	Day	Hundredths of Hour	Degrees from True North	Centimeters Per Second	Degrees Celsius	Tenths	Kilograms Per cm ²	Hundredths of Kg./cm ²	Millimhos per cm	Hundredths	

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 (✓)	
Aanderaa Current Meter			MESA	(field season)					

C333-111

78-0893

LETTER TRANSMITTING DATA

TO:

Mr. J. Ridlon
NODC
Page 1, Rm. 428
D781

DATA AS LISTED BELOW WERE FORWARDED TO YOU
BY (Check):☒ ORDINARY MAIL☐ AIR MAIL☐ REGISTERED MAIL☐ EXPRESS☐ GBL (Give number) _____

DATE FORWARDED

December 7, 1978

NUMBER OF PACKAGES

One

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.

One magnetic tape containing 22 files of Aanderaa current
meter data covering the period from April 21 to November 3, 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: C33

RECEIVED

08 DEC 1978

5-6 005-5		172 167
#2 013930	ANSI	
3204	4981	(C4043)
60/4800, SL	#1 UØ2Ø416	
F005		
TR 2569-2657, 2998, 3275-3280, <u>3657-3678</u> , 3820, 3825,		
<u>3828-3832</u> , 3837-3838, 3887, 3890-3933		
		367, 946
		377, 124

Accession No: 78-0893
ID: N.Y. Bight Project

NSDCHEK *** NON-STANDARD DATA FIELD CHECKING PROGRAM
THIS IS 03/15/78 VERSION WITH NUMERIC RANGE CHECKING

USER'S INPUT REQUESTS FOLLOW:
LRECL HAS BEEN SPECIFIED AS 60
STATION HEADER RECORD SPECIFIED AS 2
RECORD TYPES FLAGGED FOR RETRIEVAL ARE 123
STATION STARTS IN POSITION 11 FOR 5 BYTES
STATION WILL APPEAR ON RECORD TYPES : 123
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILETYPE IS 005

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

005TR36571 L14A1N Y BIGHT NOS,NOAA

??????

FIRST FILE ID

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER
THE FIELDS BELOW WERE CHECKED AS FOLLOWS (S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERIC/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT	
N	1	16	1	SEQUENCE	NO RANGE CHECKING	1 3	2.00	.81	3	
M	2	16	2	LATDEG	10 89	39 39	39.00	.00	1	
M	2	18	2	LATMIN	00 59	59 59	59.00	.00	1	
N	2	20	2	LATSEC	00 59	30 30	30.00	.00	1	
C	2	22	1	LATHEM	N N					
M	2	23	3	LONDEG	060 179	71 71	71.00	.00	1	
M	2	26	2	LONMIN	00 59	52 52	52.00	.00	1	
N	2	28	2	LONSEC	00 59	54 54	54.00	.00	1	
C	2	30	1	LONHEM	W W					
N	2	31	4	SENSOR DEPTH	0010 9000	27 27	27.00	.00	1	
N	2	35	4	WATER DEPTH	0020 9999	479 479	479.00	.00	1	
C	2	39	4	SENSOR SER. NO.	NO RANGE CHECKING					
B	2	43	18						0	
M	3	16	2	YEAR	73 78	77 77	77.00	.00	3711	
M	3	18	2	MONTH	01 12	4 7	5.44	.85	3711	
M	3	20	2	DAY	01 31	1 31	15.91	9.34	3711	
M	3	22	2	HOUR	00 23	0 23	11.52	6.92	3711	
N	3	24	2	HUNDREDTHS OF HOUR	00 99	3 53	28.00	.25.00	3711	
N	3	26	3	DIRECTION	000 360	0 359	228.47	.63.37	3711	
N	3	29	3	VELOCITY	000 500	1 6	1.54	.67	3528	
N	3	33	3	TEMPERATURE	-20 300	45 158	78.46	.24.61	3711	
N	3	36	4	PRESSURE KG/CM2 1/10	0010 9999	423 435	427.07	.3.06	3711	
N	3	40	4	CONDUCTIVITY	1500 5500	NO VALUES FOUND FOR THIS PARAMETER				
N	3	44	2	INCLINOMETER ANGLE	00 36	1 1	1.00	.00	378	
N	3	46	3	WIND DIRECTION	000 360	NO VALUES FOUND FOR THIS PARAMETER				
N	3	49	3	WIND SPEED	000 070	NO VALUES FOUND FOR THIS PARAMETER				
N	3	53	3	SEA DIRECTION	000 360	NO VALUES FOUND FOR THIS PARAMETER				
N	3	56	3	SEA HEIGHT	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER				
N	3	59	2	SEA PERIOD	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER				

RECORDS READ 1

3715

005TR36581 LT1A1N Y RIGHT ,NDS,NDAA

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FILE ID HAS CHANGED

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT
N	1	16	1	SEQUENCE	NO RANGE CHECKING	1 3	2.00	.81	3
M	2	16	2	LATDEG	10 89	40 40	40.00	.00	1
M	2	18	2	LATMIN	00 59	7 7	7.00	.00	1
N	2	20	2	LATSEC	00 59	0 0	.00	.00	1
C	2	22	1	LATHEM	N N				
M	2	23	3	LONDEG	060 179	72 72	72.00	.00	1
M	2	26	2	LONMIN	00 59	54 54	54.00	.00	1
N	2	28	2	LONSEC	00 59	30 30	30.00	.00	1
C	2	30	1	LONHEM	W W				
N	2	31	4	SENSOR DEPTH	0010 9000	403 403	403.00	.00	1
N	2	35	4	WATER DEPTH	0020 9999	479 479	479.00	.00	1
C	2	39	4	SENSOR SER. NO.	NO RANGE CHECKING				
B	2	43	18						C
M	3	16	2	YEAR	73 78	77 77	77.00	.00	2043
M	3	18	2	MONTH	01 12	4 6	4.81	.52	2043
M	3	20	2	DAY	01 31	1 31	17.58	9.97	2043
M	3	22	2	HOUR	00 23	0 23	11.51	6.89	2043
N	3	24	2	HUNDREDTHS OF HOUR	00 99	3 53	27.98	25.00	2043
N	3	26	3	DIRECTION	000 360	0 359	206.07	81.07	2043
N	3	29	3	VELOCITY	000 500	1 2	1.03	.19	1007
N	3	33	3	TEMPERATURE	20 300	30 44	36.26	3.48	2043
N	3	36	4	PRESSURE KG/CM2 1/10	0010 9999	406 414	410.15	2.56	2043
N	3	40	4	CONDUCTIVITY	1500 5500	3041 3192	3106.34	39.91	2043
N	3	44	2	INCLINOMETER ANGLE	00 36	1 1	1.00	.00	148
N	3	46	3	WIND DIRECTION	000 360	NO VALUES FOUND FOR THIS PARAMETER			
N	3	49	3	WIND SPEED	000 070	NO VALUES FOUND FOR THIS PARAMETER			
N	3	53	3	SEA DIRECTION	000 360	NO VALUES FOUND FOR THIS PARAMETER			
N	3	56	3	SEA HEIGHT	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	3	59	2	SEA PERIOD	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			

RECORDS READ 1

2047

005TR36591 NJ1S14 Y BIGHT

NOS,NMAA

??????

FILE ID HAS CHANGED

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT
N	1	16	1	SEQUENCE	NO RANGE CHECKING	1 3	2.00	81	3
M	2	16	2	LATDEG	10 89	39 39	39.00	00	1
M	2	18	2	LATMIN	00 59	18 18	18.00	00	1
N	2	20	2	LATSEC	00 59	18 18	18.00	00	1
C	2	22	1	LATHEM	N N				
M	2	23	3	LONDEG	060 179	74 74	74.00	00	1
M	2	26	2	LONMIN	00 59	1 1	1.00	00	1
N	2	28	2	LONSEC	00 59	0 0	00	00	1
C	2	30	1	LONHEM	W W				
N	2	31	4	SENSOR DEPTH	0010 9000	18 18	18.00	00	1
N	2	35	4	WATER DEPTH	0020 9999	268 268	268.00	00	1
C	2	39	4	SENSOR SER. NO.	NO RANGE CHECKING				
B	2	43	18						0
M	3	16	2	YEAR	73 78	77 77	77.00	00	1419
M	3	18	2	MONTH	01 12	4 5	4.82	48	1419
M	3	20	2	DAY	01 31	1 30	15.35	8.65	1419
M	3	22	2	HOURL	00 23	0 23	11.41	6.93	1419
N	3	24	2	HUNDREDTHS OF HOUR	00 99	3 53	27.98	25.00	1419
N	3	26	3	DIRECTION	000 360	0 357	185.19	81.40	1419
N	3	29	3	VELOCITY	000 500	1 7	1.71	1.03	1180
N	3	33	3	TEMPERATURE	-20 300	79 151	110.68	14.51	1419
N	3	36	4	PRESSURE KG/CM2 1/10	0010 9999	48 58	54.45	1.62	1419
N	3	40	4	CONDUCTIVITY	1500 5500	NO VALUES FOUND FOR THIS PARAMETER			
N	3	44	2	INCLINOMETER ANGLE	00 36	1 1	1.00	00	100
N	3	46	3	WIND DIRECTION	000 360	NO VALUES FOUND FOR THIS PARAMETER			
N	3	49	3	WIND SPEED	000 070	NO VALUES FOUND FOR THIS PARAMETER			
N	3	53	3	SEA DIRECTION	000 360	NO VALUES FOUND FOR THIS PARAMETER			
N	3	56	3	SEA HEIGHT	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	3	59	2	SEA PERIOD	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			

RECORDS READ :

1423

Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
7800893	F005	TR3657	0065	31J4	31KE	1977/04/21	NULL	308447
7800893	F005	TR3658	0065	31J4	31KE	1977/04/21	NULL	308448
7800893	F005	TR3659	0065	31J4	31KE	1977/04/21	NULL	308449
7800893	F005	TR3660	0065	31J4	31KE	1977/04/21	NULL	308450
7800893	F005	TR3661	0065	31J4	31KE	1977/04/21	NULL	308451
7800893	F005	TR3662	0065	31J4	31KE	1977/04/21	NULL	308452
7800893	F005	TR3663	0065	31J4	31KE	1977/04/21	NULL	308453
7800893	F005	TR3664	0065	31J4	31KE	1977/04/21	NULL	308454
7800893	F005	TR3665	0065	31J4	31KE	1977/04/21	NULL	308455
7800893	F005	TR3666	0065	31J4	31KE	1977/04/21	NULL	308456
7800893	F005	TR3667	0065	31J4	31KE	1977/04/21	NULL	308457
7800893	F005	TR3668	0065	31J4	31KE	1977/04/21	NULL	308458
7800893	F005	TR3669	0065	31J4	31KE	1977/04/21	NULL	308459
7800893	F005	TR3670	0065	31J4	31KE	1977/04/21	NULL	308460
7800893	F005	TR3671	0065	31J4	31KE	1977/04/21	NULL	308461
7800893	F005	TR3672	0065	31J4	31KE	1977/04/21	NULL	308462
7800893	F005	TR3673	0065	31J4	31KE	1977/04/21	NULL	308463
7800893	F005	TR3674	0065	31J4	31KE	1977/04/21	NULL	308464
7800893	F005	TR3675	0065	31J4	31KE	1977/04/21	NULL	308465
7800893	F005	TR3676	0065	31J4	31KE	1977/04/21	NULL	308466
7800893	F005	TR3677	0065	31J4	31KE	1977/04/21	NULL	308467
7800893	F005	TR3678	0065	31J4	31KE	1977/04/21	NULL	308468

(22 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7800893	F005	TR3657	31KE	4	3715	77/04/21	77/11/03
7800893	F005	TR3658	31KE	3	2047	77/04/21	77/11/03
7800893	F005	TR3659	31KE	2	1423	77/04/21	77/11/03
7800893	F005	TR3660	31KE	2	2308	77/04/21	77/11/03
7800893	F005	TR3661	31KE	2	2267	77/04/21	77/11/03
7800893	F005	TR3662	31KE	2	2268	77/04/21	77/11/03
7800893	F005	TR3663	31KE	2	2250	77/04/21	77/11/03
7800893	F005	TR3664	31KE	2	2249	77/04/21	77/11/03
7800893	F005	TR3665	31KE	2	2246	77/04/21	77/11/03
7800893	F005	TR3666	31KE	2	3932	77/04/21	77/11/03
7800893	F005	TR3667	31KE	2	2623	77/04/21	77/11/03
7800893	F005	TR3668	31KE	3	1733	77/04/21	77/11/03
7800893	F005	TR3669	31KE	3	1682	77/04/21	77/11/03
7800893	F005	TR3670	31KE	3	1681	77/04/21	77/11/03
7800893	F005	TR3671	31KE	3	1685	77/04/21	77/11/03
7800893	F005	TR3672	31KE	3	2594	77/04/21	77/11/03
7800893	F005	TR3673	31KE	3	1731	77/04/21	77/11/03
7800893	F005	TR3674	31KE	3	1731	77/04/21	77/11/03
7800893	F005	TR3675	31KE	3	1690	77/04/21	77/11/03
7800893	F005	TR3676	31KE	3	1690	77/04/21	77/11/03
7800893	F005	TR3677	31KE	3	1690	77/04/21	77/11/03
7800893	F005	TR3678	31KE	3	1670	77/04/21	77/11/03

(22 rows affected)