

DDF-B:2:12

DATA DOCUMENTATION FORM

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.N.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.

TR3968 - TR3980

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

James R. Holbrook
Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)
3711 - 15th Avenue N.E.
Seattle, WA 98105 (Telephone 206-442-4598)

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED	3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
MESA	STRAIT - 11, 12, 13 (File ID = DR2419)

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
STRAIT-11 STRAIT-12 STRAIT-13	BUOY	U.S.	U.S.	7/16/78	10/29/78

8. ARE DATA PROPRIETARY?

NO YES

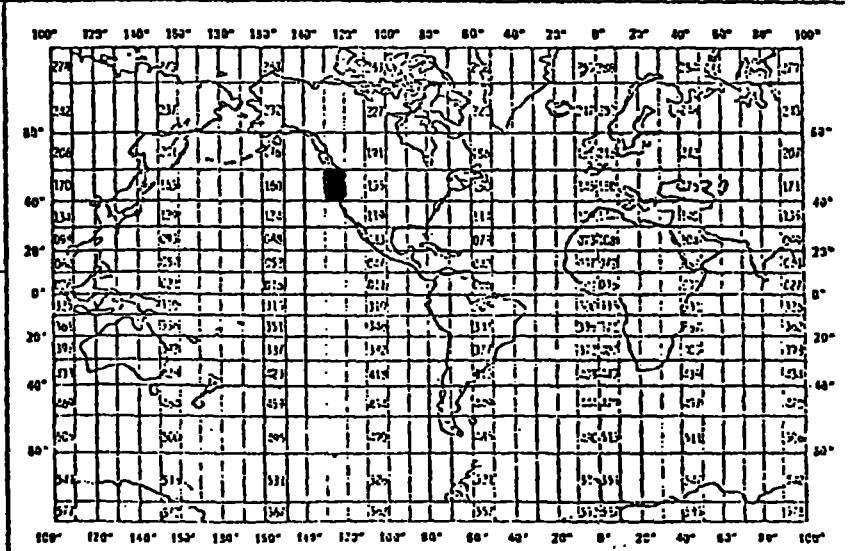
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____

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?)

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)

James R. Holbrook
(206) 442-4850

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/DATE	GMT	CRYSTAL CLOCK	N/A	N/A
CURRENT VELOCITY	CM/SEC	AMF VACM MODEL 610	PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED. DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION.	REPORTED VALUES REPRESENT AVERAGES
WATER TEMPERATURE	DEGREE S C	Thermistor on Amf Meter	Same as Above	Same as Above

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

Three (3) record types, text record (1), meter master record (2), and detail record (3), differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

ORDER OF DATA		STRAIT-12-10M	16 JUL 78 - 24 AUG 79-TR3975
STRAIT 11 - 4M	16 JUL 78 - 26 AUG 78-TR3968		4 SEP 78 - 21 SEP 78-TR3976
	8 SEP 78 - 15 SEP 78-TR3969	20M	16 JUL 78 - 29 OCT 78-TR3977
- 10M	16 JUL 78 - 26 AUG 78-TR3970		16 JUL 78 - 18 OCT 78-TR3978
	8 SEP 78 - 15 SEP 78-TR3971	STRAIT-13 - 4M	16 JUL 78 - 29 OCT 78-TR3979
- 20M	16 JUL 78 - 15 SEP 78-TR3972	- 10M	16 JUL 78 - 29 OCT 78-TR3980
STRAIT-12 - 4M	16 JUL 78 - 24 AUG 78-TR3973	- 20M	" " " - TR3980
	4 SEP 78 - 29 OCT 78-TR3974		

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

4. RESPONSIBLE COMPUTER SPECIALIST:
 NAME AND PHONE NUMBER DAVID KACHEL, 206-442-4850
 ADDRESS 3711 15th AVE NE, SEATTLE, WASH. 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <input checked="" type="checkbox"/> SEVEN <input type="checkbox"/> NINE <input type="checkbox"/> _____	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>STRAIT-11,12,13 CURRENT METER DATA TAPE FILE ID DK2419 7-TRACK, BCD, 800 BPI, EVEN PARITY ORIGINATOR - JAMES R. HOLBROOK</p>
<p>8. DENSITY</p> <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600</p>	
<p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>	

Vol=Ser=JR127 (orig.); Vol=Ser=10323 (c/c)

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

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 20235*

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ </p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ </p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p> <input checked="" type="checkbox"/> ODD <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><i>013068 (1,5L)</i></p>
<p>8. DENSITY</p> <p> <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____ </p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS <i>60</i></p>

RECORD FORMAT DESCRIPTION CURRENT METER

NAME TEXT RECORD (OPTIONAL)

NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING	
		NUMBER	UNITS			
File Type	1	3	Bytes	A3	Always '015'	
File Identification	4	6	Bytes	A6		
Record Type	10	1	Bytes	I1		Always '1'
Meter Number	11	5	Bytes	A5		Analogous to NODC Station Number
Text	16	38	Bytes	38A1		Additional pertinent information
Blank	54	1	Bytes	1X		
Sequence Number	55	6	Bytes	I6	Ascending numeric, used for sorting	
METER MASTER RECORD (REQUIRED)						
File Type	1	3	Bytes	A3	Always '015'	
File Identification	4	6	Bytes	A6		
Record Type	10	1	Bytes	I1	Always '2'	
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number	
Latitude, Degrees	16	2	Bytes	I2		
Minutes	18	2	Bytes	I2		
Hundredths of minutes	20	2	Bytes	I2		
Hemisphere	22	1	Bytes	A1	'N' or 'S'	
Longitude, Degrees	23	3	Bytes	I3		
Minutes	26	2	Bytes	I2		
Hundredths of minutes	28	2	Bytes	I2		
Hemisphere	30	1	Bytes	A1	'E' or 'W'	
Depth to bottom	31	5	Bytes	I5	Whole meters	
Depth of current meter	36	5	Bytes	I5	To tenths of a meter	
Meter Usage Sequence Number	41	3	Bytes	I3	Number of times meter has been used	
Institution Code	44	2	Bytes	A2	NODC Institution Code	
Axis Rotation	46	3	Bytes	I3	In whole degrees clockwise from true north of V axis	
Location Name	49	6	Bytes	A6	OCSEP internal location code	
Number of detail records	55	6	Bytes	I6	Number of type '3' records	

RECORD FORMAT DESCRIPTION CURRENT METER

NAME DETAIL RECORD (REQUIRED)

NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number.
Year	16	2	Bytes	I2	Last two digits of years
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time					GMT
Hour	22	2	Bytes	I2	0-23
Minute	24	2	Bytes	I2	0-59
Hundredth of minute	26	2	Bytes	I2	0-99
East-West (u) Current Component	28	6	Bytes	I6	To hundredths. Positive (East, and North) understood. cm/sec
North-South (v) Current Component	34	6	Bytes	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	Bytes	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	Bytes	I5	To tenths in Decibars
Conductivity	50	4	Bytes	I4	To hundredths of mmho/cm
Sequence Number	54	1	Bytes	IX	
	55	6	Bytes	I6	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured.

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 (✓)	
Thermistor type YSI44032			NWREC						
(AMF 361)	JUN 78		✓		✓				
(AMF 364)	"		✓		✓				
(AMF 374)	"		✓		✓				
(AMF 418)	"		✓		✓				
(AMF 419)	"		✓		✓				
(AMF 368)	"		✓		✓				
(AMF 358)	"		✓		✓				
(AMF 359)	"		✓		✓				
(AMF 363)	"		✓		✓				

DATA DOCUMENTATION FORM

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

O.M.B. NO. 01-581

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 **TR3981-TR3991**
F015

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

James R. Holbrook
Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)
3711 - 15th Avenue N. E.
Seattle, WA 98105 (Telephone 206-442-4598)

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

MESA Puget Sound / PSEPP

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

STRAIT - 8, 9, 10

(File ID = DK2419)

4. PLATFORM NAME(S)

STRAIT-8-
STRAIT-9-
STRAIT-10-

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

BUOY
317F

6. PLATFORM AND OPERATOR NATIONALITY(IES) **7. DATES**

PLATFORM	OPERATOR	FROM: MO/PAY/YR	TO: MO/DAY/YR
U.S.	U.S.	12/19/77	4/16/78

8. ARE DATA PROPRIETARY?

NO 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

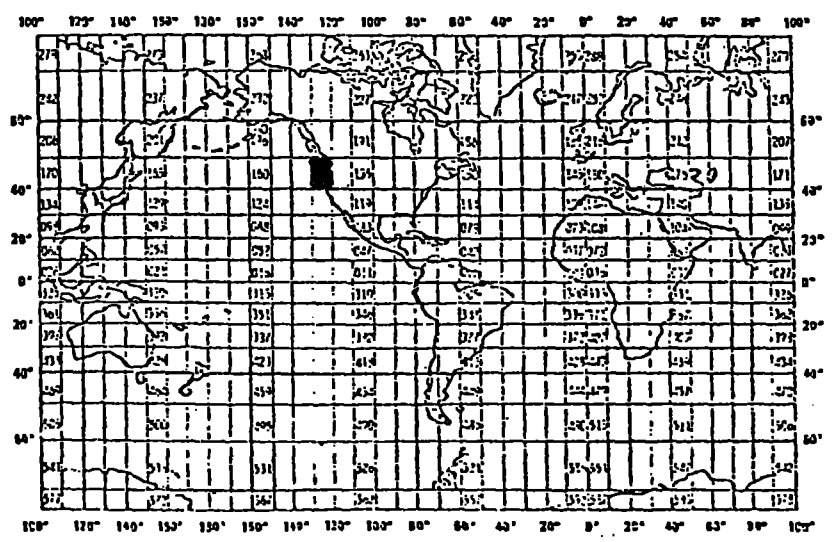
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

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)

James R. Holbrook
(206) 442-4850



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/DATE	GMT	CRYSTAL CLOCK	N/A	N/A
CURRENT VELOCITY	CM/SEC	AMF VACM Model 610	PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED. DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION.	REPORTED VALUES REPRESENT AVERAGES
WATER TEMPERATURE	DEGREES C	Thermistor on Amf Meter	Same as Above	Same as Above

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

Three (3) record types, text record (1), meter master record (2), and detail record (3), differentiated by byte 10.

GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

ORDER OF DATA:

TR3981 - STRAIT 8 - 4M	19 DEC 77 - 30 DEC 77	TR3987 - STRAIT 9 - 10M	19 JAN 78 - 10 MAR 78
TR3982 - 2 JAN 78 - 15 FEB 78		TR3988 - 20M	19 DEC 77 - 25 FEB 78
TR3983 - 10M	19 DEC 77 - 27 FEB 78	STRAIT 10 - 4M	TR3989 (19 DEC 77 - 17 APR 78)
TR3984 - 20M	19 DEC 77 - 17 APR 78	TR3990 - 10M	" " "
TR3985 - STRAIT 9 - 4M	19 DEC 77 - 17 APR 78	TR3991 - 20M	19 DEC 77 - 6 MAR 78
TR3986 - 10M	19 DEC 77 - 11 JAN 78		

UNITES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN LANGUAGE

3. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DAVID KACHEL
ADDRESS 3711 15TH AVE NE, SEATTLE, WASH. 98105

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>STRAIT - 8, 9, 10 CURRENT METER DATA TAPE FILE ID DA 2419 7-TRACK, BCD, 800 BPI, EVEN PARITY ORIGINATOR - JAMES R. HOLBROOK</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>3600</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

Vol=Ser=JR126 (orig); Vol=Ser=05725 (c)

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

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

USER TAPE

[Empty box for record types and identifying methods]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER D 752 - NOAA/EDIS/NODC - 202-634 7505
ADDRESS WASHINGTON, DC. 202 35

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)
011218 (S.L)
DSN = TR 3981
12. PHYSICAL BLOCK LENGTH IN BYTES
4800
13. LENGTH OF BYTES IN BITS
60

RECORD FORMAT DESCRIPTION CURRENT METER

RECORD NAME TEXT RECORD (OPTIONAL)

FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING	
		NUMBER	UNITS			
File Type	1	3	Bytes	A3	Always '015'	
File Identification	4	6	Bytes	A6		
Record Type	10	1	Bytes	I1		Always '1'
Meter Number	11	5	Bytes	A5		Analogous to NODC Station Number
Text	16	38	Bytes	38A1		Additional pertinent information
Blank	54	1	Bytes	1X		
Sequence Number	55	6	Bytes	I6	Ascending numeric, used for sorting	
METER MASTER RECORD (REQUIRED)						
File Type	1	3	Bytes	A3	Always '015'	
File Identification	4	6	Bytes	A6		
Record Type	10	1	Bytes	I1	Always '2'	
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number	
Latitude, Degrees	16	2	Bytes	I2		
Minutes	18	2	Bytes	I2		
Hundredths of minutes	20	2	Bytes	I2		
Hemisphere	22	1	Bytes	A1	'N' or 'S'	
Longitude, Degrees	23	3	Bytes	I3		
Minutes	26	2	Bytes	I2		
Hundredths of minutes	28	2	Bytes	I2		
Hemisphere	30	1	Bytes	A1	'E' or 'W'	
Depth to bottom	31	5	Bytes	I5	Whole meters	
Depth of current meter	36	5	Bytes	I5	To tenths of a meter	
Meter Usage Sequence Number	41	3	Bytes	I3	Number of times meter has been used	
Institution Code	44	2	Bytes	A2	NODC Institution Code	
Axis Rotation	46	3	Bytes	I3	In whole degrees clockwise from true north of V axis	
Location Name	49	6	Bytes	A6	OCSEP internal location code	
Number of detail records	55	6	Bytes	I6	Number of type '3' records	

RECORD NAME DETAIL RECORD (REQUIRED)

LD NAME	15. POSITION FROM -1 MEASURED IN Bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number
Year	16	2	Bytes	I2	Last two digits of years
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time					GMT
Hour	22	2	Bytes	I2	0-23
Minute	24	2	Bytes	I2	0-59
Hundredth of minute	26	2	Bytes	I2	0-99
East-West (u) Current Component	28	6	Bytes	I6	To hundredths. Positive (East, and North) understood. cm/sec
North-South (v) Current Component	34	6	Bytes	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	Bytes	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	Bytes	I5	To tenths in Decibars
Conductivity	50	4	Bytes	I4	To hundredths of mmho/cm
Salinity	54	1	Bytes	IX	
Sequence Number	55	6	Bytes	I6	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured.

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) NWACC	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Thermistor type YSI 44032									
AMF 363-	NOV 77		✓		✓				
AMF 358-	"		✓		✓				
AMF 361-	"		✓		✓				
AMF 359-	"		✓		✓				
AMF 419-	"		✓		✓				
AMF 364-	"		✓		✓				
AMF 418-	"		✓		✓				
AMF 368-	"		✓		✓				
AMF 374-	"		✓		✓				

Data Set Route Sheet

Accession # 79-0097

Step	Completion Date/Init.	Tape #, # of Files	BLKSIZE, LRECL
1. Originator Tape #	1/30/79 MRP	JR126 1	3600 60
2. QUAD Duplicate Tape #	2/28/79 MRP	05725 1	4800 60
3. DDF Evaluation	3/12/79 MRL		
4. Quality Review	3/12/79 MRL		
5. Preliminary Data Sort			
6. Preliminary Check	3/8/79 MRL	05725 1	4800 60
7. First User Tape #	3/12/79 MRL	011218 1	4800 60
8. Final User Tape #	3/13/79 MRL	011218 1	4800 60
9. Final Check	3/14/79 MRL	011218 1	4800 60
10. NAPIS Inventory	3/14/79 MRL	011218 1	4800 60
11. DIP Inventory	3/20/79 CLP	011218 1	4800 60
12. Data Set 'Finalized'			

Data Set Route Sheet

Accession # 79-0097
TR 3968-3980

Step	Completion Date/Init.	Tape #, # of Files	BLKSIZE,	LRECL
1. Originator Tape #	1/30/79 JRK	JR127 1	3600	60
2. <u>QUASI</u> Duplicate Tape #	2/28/79 JRK	10323 1	4800	60
3. DDF Evaluation	3/12/79 JRK	— —	—	—
4. Quality Review	3/12/79 JRK	— —	—	—
5. Preliminary Data Sort				
6. Preliminary Check	8 Mar 79 JRK	010323 1	4800	60
7. First User Tape #	12 Mar 79 JRK	¹⁰³⁶⁸ 013068 1	4800	60
8. Final User Tape #				
9. Final Check				
10. NAPIS Inventory				
11. DIP Inventory				
12. Data Set 'Finalized'				

*			49
015-4			
#2 013842		ANSI 013377	
2740	6774	(c 4045)	
60/4800, FOIS		#1 UØ2Ø656	
TR 3263-3267, 3324-3327, 3329, 3469-3473,			
3491, 3595-3603, 3968-3991			
			358,930
			328,319

accession no: 79.0097
 Page bond/PSERP

 015TR39912V037448130 N122572 W 120 200 13F 0 4032

??????

FILE ID HAS CHANGED

??

ILLEGAL BLANKS IN LATMIN 1/100

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ILLEGAL BLANKS IN LONMIN 1/100

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

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED		ACTUAL RANGE		MEAN	S. DEV	COUNT
					LOW	HIGH	LOWEST	HIGHEST			
M	2	16	2	LATDEG	30	80	48	48	48.00	00	1
M	2	18	2	LATMIN	00	59	13	13	13.00	00	1
N	2	20	2	LATMIN 1/100	00	99	NO VALUES FOUND FOR THIS PARAMETER				
C	2	22	1	LATHEM	N	N					
M	2	23	3	LONGDEG	065	179	122	122	122.00	00	1
M	2	26	2	LONMIN	00	59	57	57	57.00	00	1
N	2	28	2	LONMIN 1/100	00	99	NO VALUES FOUND FOR THIS PARAMETER				
C	2	30	1	LONHEM	w	w					
N	2	31	5	DEPTH TO BOTTM	00001	60000	120	120	120.00	00	1
N	2	36	5	DEPTH OF METER	00000	60000	200	200	200.00	00	1
M	3	16	2	OBS DATE YR	74	80	77	78	77.84	97	4032
M	3	18	2	OBS DATE MO	01	12	1	12	3.32	3.77	4032
M	3	20	2	OBS DATE DAY	01	31	1	31	15.53	9.01	4032
M	3	22	2	OBS DATE HR	00	23	0	23	11.50	6.92	4032
M	3	24	2	OBS DATE MIN	00	59	0	30	15.00	15.00	4032
N	3	26	2	OBS DATE 1/100 MIN	00	99	NO VALUES FOUND FOR THIS PARAMETER				
M	3	28	6	E-W (U) COMPONENT	-20000	20000	-10189	8736	858.45	3513.00	4032
M	3	34	6	N-S (V) COMPONENT	-20000	20000	-3739	4388	901.67	1076.70	4032
N	3	40	4	TEMPERATURE TO 1/100	-200	2200	736	842	799.12	19.89	4032
N	3	45	5	PRESSURE DB TO 1/10	00010	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	3	50	4	CONDUCTIVITY	1500	5500	NO VALUES FOUND FOR THIS PARAMETER				
M	4	16	2	OBS DATE YR	74	80	NO VALUES FOUND FOR THIS PARAMETER				
M	4	18	2	OBS DATE MO	01	12	NO VALUES FOUND FOR THIS PARAMETER				
M	4	20	2	OBS DATE DAY	01	31	NO VALUES FOUND FOR THIS PARAMETER				
M	4	22	2	OBS DATE HR	00	23	NO VALUES FOUND FOR THIS PARAMETER				
M	4	24	2	OBS DATE MIN	00	59	NO VALUES FOUND FOR THIS PARAMETER				
N	4	26	2	OBS DATE 1/100 MIN	00	99	NO VALUES FOUND FOR THIS PARAMETER				
M	4	28	6	E-W (U) COMPONENT	-20000	20000	NO VALUES FOUND FOR THIS PARAMETER				
M	4	34	6	N-S (V) COMPONENT	-20000	20000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	40	4	TEMPERATURE TO 1/100	-200	2200	NO VALUES FOUND FOR THIS PARAMETER				
N	4	45	5	PRESSURE DB TO 1/10	00010	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	50	4	SALINITY	2000	3600	NO VALUES FOUND FOR THIS PARAMETER				

RECORDS READ : 4033

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7900097	F015	TR3968	0082	313F	317F	1978/07/16	DK2419	309081
7900097	F015	TR3969	0082	313F	317F	1978/07/16	DK2419	309082
7900097	F015	TR3970	0082	313F	317F	1978/07/16	DK2419	309083
7900097	F015	TR3971	0082	313F	317F	1978/07/16	DK2419	309084
7900097	F015	TR3972	0082	313F	317F	1978/07/16	DK2419	309085
7900097	F015	TR3973	0082	313F	317F	1978/07/16	DK2419	309086
7900097	F015	TR3974	0082	313F	317F	1978/07/16	DK2419	309087
7900097	F015	TR3975	0082	313F	317F	1978/07/16	DK2419	309088
7900097	F015	TR3976	0082	313F	317F	1978/07/16	DK2419	309089
7900097	F015	TR3977	0082	313F	317F	1978/07/16	DK2419	309090
7900097	F015	TR3978	0082	313F	317F	1978/07/16	DK2419	309091
7900097	F015	TR3979	0082	313F	317F	1978/07/16	DK2419	309092
7900097	F015	TR3980	0082	313F	317F	1978/07/16	DK2419	309093
7900097	F015	TR3981	0082	313F	317F	1977/12/19	DK2419	309094
7900097	F015	TR3982	0082	313F	317F	1978/01/02	DK2419	309095
7900097	F015	TR3983	0082	313F	317F	1977/12/19	DK2419	309096
7900097	F015	TR3984	0082	313F	317F	1977/12/19	DK2419	309097
7900097	F015	TR3985	0082	313F	317F	1977/12/19	DK2419	309098
7900097	F015	TR3986	0082	313F	317F	1977/12/19	DK2419	309099
7900097	F015	TR3987	0082	313F	317F	1978/01/19	DK2419	309100
7900097	F015	TR3988	0082	313F	317F	1977/12/19	DK2419	309101
7900097	F015	TR3989	0082	313F	317F	1977/12/19	DK2419	309102
7900097	F015	TR3990	0082	313F	317F	1977/12/19	DK2419	309103
7900097	F015	TR3991	0082	313F	317F	1977/12/19	DK2419	309104

(24 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7900097	F015	TR3968	317F	2	1969	78/07/16	78/10/29
7900097	F015	TR3969	317F	1	337	78/07/16	78/10/29
7900097	F015	TR3970	317F	2	1969	78/07/16	78/10/29
7900097	F015	TR3971	317F	1	337	78/07/16	78/10/29
7900097	F015	TR3972	317F	3	2929	78/07/16	78/10/29
7900097	F015	TR3973	317F	2	1873	78/07/16	78/10/29
7900097	F015	TR3974	317F	2	2689	78/07/16	78/10/29
7900097	F015	TR3975	317F	2	1873	78/07/16	78/10/29
7900097	F015	TR3976	317F	1	817	78/07/16	78/10/29
7900097	F015	TR3977	317F	4	5089	78/07/16	78/10/29
7900097	F015	TR3978	317F	4	4513	78/07/16	78/10/29
7900097	F015	TR3979	317F	4	5089	78/07/16	78/10/29
7900097	F015	TR3980	317F	4	5089	78/07/16	78/10/29
7900097	F015	TR3981	317F	1	529	77/12/19	77/12/30
7900097	F015	TR3982	317F	2	1913	78/01/02	78/02/15
7900097	F015	TR3983	317F	3	3361	77/12/19	78/02/27
7900097	F015	TR3984	317F	5	5713	77/12/19	78/04/17
7900097	F015	TR3985	317F	5	5713	77/12/19	78/04/17
7900097	F015	TR3986	317F	2	1105	77/12/19	78/01/11
7900097	F015	TR3987	317F	3	2209	78/01/19	78/03/10
7900097	F015	TR3988	317F	3	3265	77/12/19	78/02/25
7900097	F015	TR3989	317F	5	5233	77/12/19	78/04/17
7900097	F015	TR3990	317F	5	5233	77/12/19	78/04/17
7900097	F015	TR3991	317F	4	4033	77/12/19	78/03/06

(24 rows affected)