

DATA DOCUMENTATION FORM

TR 3083

NOAA FORM 24-13

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

RECEIVED
APR 11 1976
NEGOA

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 PMEL/NOAA 3711 15th NE Seattle, Washington 98105 78-013			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - GULF OF ALASKA RU 138		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FILE ID = <u>SLS - 5</u>	
4. PLATFORM NAME(S) SLS - 5	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES) US US	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 11/21/75 3/3/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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?) <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) Mr. Pat Laird (206) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	°/oo	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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>NOAA/PMEL "OCSEAP - GULF OF ALASKA" RU138 CURRENT METER</p> <p>FILE # 1 ID = SLS 5 11/21/75 3/3/76</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 checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>7 TRACK, BCD, 800 BPI, EVEN PARITY</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 752-NOAA/EDIS/NODC-634-7505
ADDRESS WASHINGTON, D.C. 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<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> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>12100 (15L)</p> <p>DSN = TR 3083</p>
<p>8. DENSITY</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>12. PHYSICAL BLOCK LENGTH IN BYTES 4800</p> <p>13. LENGTH OF BYTES IN BITS 60</p>

14. FIELD NAME	15. POSITION FROM 1-- MEASURED IN Bytes (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		SLS-5
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. 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 Identifica- tion	4	6	"		SLS-5
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Num
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute	26	2	"	I2	0-99
East-West (u) Current Component	28	6	"	I6	To hundredths. Positive (East and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign.
Temperature	40	5	"	I5	To thousandths. Minus sign negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	1X	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

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 RCM-4		X				X			
" same meter	OCT 75		NOIC	1 yr.					

DATA DOCUMENTATION FORM

TR 3084

NOAA FORM 24-13 (6-72)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20851

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

RECEIVED APR 11 1976 NEG OA

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - GULF OF ALASKA RU 138		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FILE ID <u>SLS-8</u>	
4. PLATFORM NAME(S) SLS-8	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES) US US	7. DATES FROM: MO/PAY/YR TO: MO/DAY/YR 3/3/76 5/4/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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?) <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) Mr. Pat Laird (206) 442-7450	

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter RCM-4	N/A	N/A
V-Direction	CM/SEC	"	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	°/oo	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>NOAA/PMEL OCSEAP - GULF OF ALASKA CURRENT METER RU 138</p> <p>FILE # 2 ID = SLS-8 3/3/76 5/14/76</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>7 TRACK, BCD, 800 BPI, EVEN PARITY</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

USER TAPE

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 752-NOAA/EDIS/NO DC-634-7505
ADDRESS WASHINGTON, D.C. 20235

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</p> <p><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><i>12100 (1954)</i></p> <p><i>DSN = TR 3083</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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>60</i></p>

14. FIELD NAME	15. POSITION FROM -- 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	"		SLS-8
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	IX	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)

File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. 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 Identifica- tion	4	6	"		0 SLS-8
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Num
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute	26	2	"	I2	0-99
East-West (u)	28	6	"	I6	To hundredths. Positive (East and North) understood.
Current Component					
North-South (v)	34	6	"	I6	Negative (West and South) with negative sign.
Current Component					
Temperature	40	5	"	I5	To thousandths. Minus sign negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	IX	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

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 RCM-4		X				X			
" same meter	JUNE 75		NOIC	1 yr.					

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NOAA FORM 24-13
(7-72)

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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OCSEAP - GULF OF ALASKA RU 138		FILE ID SLS-9	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
SLS-9	BUOY	US US	FROM: MO, DAY, YR TO: MO, DAY, YR 3/7/76 5/13/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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	
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U-Direction	CM/SEC	Aanderaa Current Meter RCM-4	N/A	N/A
V-Direction	CM/SEC	"	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	‰	"	"	"
PRESSURE	DECIBARS	"	"	"

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

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 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>NOAA/PMEL OCSEAP - GULF OF ALASKA CURRENT METER RU138</p> <p>FILE # 3 ID = SLS-9 3/7/76 5/13/76</p> <p>7 TRACK, BCD, 800 BPI, EVEN PARITY</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 checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

USER TAPE

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:
 NAME AND PHONE NUMBER 0752-NOAA/EDIS/NODC-634-7505
 ADDRESS WASHINGTON, D.C. 20235

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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><i>12100 (1954)</i></p> <p><i>DSN = TR 3083</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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>60</i></p>

14. FIELD NAME	15. POSITION FROM 1 - MEASURED IN Bytes (e.g., 51m, bytes)	16. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		SLS -9
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. 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	"		SLS - 9
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Number
Year	16	2	"	I2	Last two digits of years
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute	26	2	"	I2	0-99
East-West (u)	28	6	"	I6	To hundredths. Positive (East and North) understood.
Current Component					
North-South (v)	34	6	"	I6	Negative (West and South) with negative sign.
Current Component					
Temperature	40	5	"	I5	To thousandths. Minus sign negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	IX	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

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 RCM-4		X				X			
" same meter	JUNE 75		NOIC	1 yr.					

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.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.

RECEIVED
APR 11 1978

A. ORIGINATOR IDENTIFICATION **NEGOA**

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 PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - BRISTOL BAY RU 141		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FILE ID <u>BC 13B</u>	
4. PLATFORM NAME(S) BC 13B	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM US	OPERATOR US
		7. DATES	
		FROM: MO/DAY/YR 6/6/76	TO: MO/DAY/YR 7/11/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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?) <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) Mr. Pat Laird (206) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	‰	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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 <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>NOAA/PMEL OCSEAP - BRISTOL BAY RUI41 CURRENT METER</p> <p>FILE# 6 FILEID BC13B 6/6/76 7/11/76</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" type="checkbox"/> 356 BPI</p> <p><input checked="" type="checkbox"/> 900 BPI</p> <p><input type="checkbox"/> _____</p>	<p>7 TRACK, BCD, 800 BPI, EVEN PARITY</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES 3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS 6 bits</p>

USER TAPE

2. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
AND METHOD OF IDENTIFYING EACH RECORD TYPE

3. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

5. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 0752-NOAA/EDIS/NODC-634-7505
ADDRESS WASHINGTON, D.C. 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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)

12100 (1954)

DSN = TR 3083

12. PHYSICAL BLOCK LENGTH IN BYTES
4800

13. LENGTH OF BYTES IN BITS
60

14. FIELD NAME	15. POSITION FROM 1 - MEASURED IN Bytes (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		BC 13B
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)

File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. 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 Identifica- tion	4	6	"		BC 13 B
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Num
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12)
Day	20	2	"	I2	1-31)
Time,					
Hour	22	2	"	I2	0-23)
Minute	24	2	"	I2	0-59)
Hundredth of minute	26	2	"	I2	0-99)
East-West (u) Current Component	28	6	"	I6	To hundredths. Positive (East and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign.
Temperature	40	5	"	I5	To thousandths. Minus sign negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	IX	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

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 RCM-4		X				X			
" same meter	OCT 75		NOIC	1 yr.					

DATA DOCUMENTATION FORM

178-0447
TR3089

NOAA FORM 24-13
(2-72)

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

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.

RECEIVED

A. ORIGINATOR IDENTIFICATION

APR 11 1978

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			
PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCEAP - BRISTOL BAY RU 141		FILE ID = <u>BC 6A</u>	
PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
BC 6A	BUOY	US	US
7. DATES		7. DATES	
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		5/25/76	9/27/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. Pat Laird (205) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	"	"
TEMPERATURE,	°C	"	"	"
CONDUCTIVITY	°/oo	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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>NOAA/PMEL OCSEAP - BRISTOL BAY RU 141 CURRENT METER</p> <p>FILE# 8 FILE ID = BC6A 5/25/76 4/27/76</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" type="checkbox"/> 555 BPI</p> <p><input checked="" type="checkbox"/> 300 BPI</p> <p><input type="checkbox"/> _____</p>	<p>7 TRACK, BCD, 800 BPI, EVEN PARITY</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D752-NOAA/EDIS/NO DC-634-7505
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</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 <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 <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><u>12100 (1954)</u></p> <p><u>DSN = TR 3083</u></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 <u>4800</u></p> <p>13. LENGTH OF BYTES IN BITS <u>60</u></p>

14. FIELD NAME	15. POSITION FROM -- MEASURED IN Bytes (e.g. 51st byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		BC 6A
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)					
14. FIELD NAME	15. POSITION FROM -- MEASURED IN Bytes (e.g. 51st byte)	16. LENGTH	UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude,					
Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude,					
Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage					Number of times meter has been used.
Sequence Number	41	3	"	I3	
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

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

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 RCM-4		X				X			
" same meter	Oct 75		NOIC	1 yr.					

DATA DOCUMENTATION FORM

78-0447
TR3090

NOAA FORM 24-13
(4-73)

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-R2551

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.

RECEIVED
APR 11 1978

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

PMEL/NOAA
3711 15th NE
Seattle, Washington 98105

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

OCSEAP - BRISTOL BAY
RU 141

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

FILE ID BCSA

PLATFORM NAME(S)

BCSA

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

BUOY

6. PLATFORM AND OPERATOR NATIONALITY(IES)

US

7. DATES

FROM: MO, DAY, YR TO: MO, DAY, YR

US OPERATOR US 5/25/76 9/27/76

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

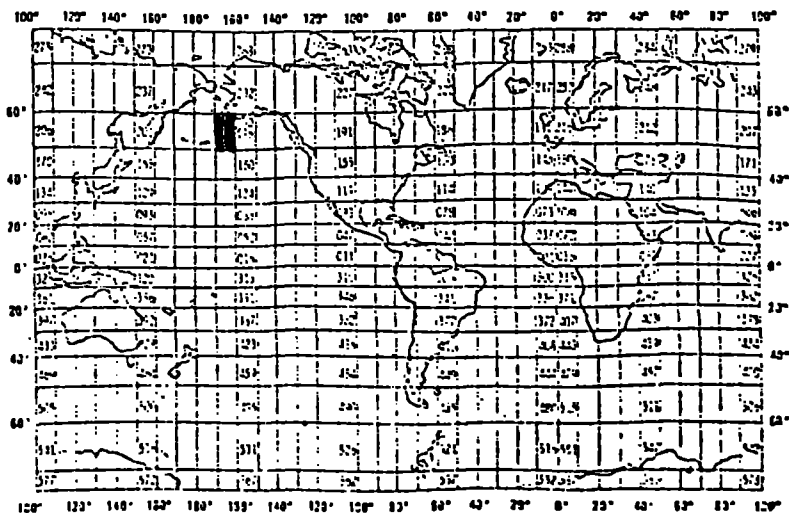
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(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)

Mr. Pat Laird
(205) 442-7450



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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	‰	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 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>NOAA/PMEL OCSEAP - BRISTOL BAY RU 141 CURRENT METER</p> <p>FILE # 9 FILE ID = BC5A 5/25/76 9/27/76</p> <p>7 TRACK, BCD, 800 BPI, EVEN PARITY</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 checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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

USER TAPE

3. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

5. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 752-NOAA/EDIS/NODC-634-7505
ADDRESS WASHINGTON, D.C. 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<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> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>12100 (65L)</p> <p>DSN = TR 3083</p>
<p>8. DENSITY</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>12. PHYSICAL BLOCK LENGTH IN BYTES 4800</p> <p>13. LENGTH OF BYTES IN BITS 60</p>

FIELD NAME	15. POSITION FROM 1 MEASURED IN BYTES (e.g. 5th byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		BCSA
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric; used for sorting

METER MASTER RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

16. FIELD NAME	15. POSITION FROM 1- MEASURED IN BYTES (e.g., bits, bytes)	13. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	4	6	"		BC 5A
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Num
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,)
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute	26	2	"	I2	0-99
East-West (u) Current Component	28	6	"	I6	To hundredths. Positive (East and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign.
Temperature	40	5	"	I5	To thousandths. Minus sign negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	IX	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

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 RCM-4		X				X			
" same meter	OCT 75		NOIC	1 yr.					

DATA DOCUMENTATION FORM

78-0447
TR3091

NOAA FORM 24-13
(5-72)

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

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.

RECEIVED
APR 11 1978

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			
PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP - BRISTOL BAY RU141		FILE ID = <u>BC-14A</u>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
BC 14A	BUOY	US US	FROM: MO/DAY/YR TO: MO/DAY/YR 5/26/76 9/27/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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?) <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) Mr. Pat Laird (206) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter RCM-4	N/A	N/A
V-Direction	CM/SEC	"	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	°/oo	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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>NOAA/PMEL OCSEAP - BRISTOL BAY CURRENT METER RU 141</p> <p>FILE # 11 ID = BC 14A 5/26/74 9/27/76</p> <p>7 TRACK, BCD, 800 BPI, EVEN PARITY</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 checked="" type="checkbox"/> 300 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

USER TAPE

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 752-NOAA/EDIS/ODC-634-7505
 ADDRESS WASHINGTON, D.C. 20235

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</p> <p><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><i>12100 (65L)</i></p> <p><i>DSN = TR 3083</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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>60.</i></p>

14. FIELD NAME	15. POSITION FROM--+ MEASURED IN Bytes (0.2- 512, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		BC 14A
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)

File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

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 RCM-4		X				X			
" same meter	OCT 75		NOIC	1 yr.					

RECORD NAME DETAIL RECORD (REQUIRED)

14. 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	"		BC14A
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Num.
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12)
Day	20	2	"	I2	1-31)
Time,					
Hour	22	2	"	I2	0-23)
Minute	24	2	"	I2	0-59) GM
Hundredth of minute	26	2	"	I2	0-99)
East-West (u) Current Component	28	6	"	I6	To hundredths. Positive (East and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign.
Temperature	40	5	"	I5	To thousandths. Minus sign if negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	IX	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

DATA DOCUMENTATION FORM

NUMBER

78-0447
TR3092

NOAA FORM 24-13
5-721

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.

RECEIVED
APR 11 1978

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

NECOA

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP - BRISTOL BAY RU141		FILE ID = BC 15A	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
BC-15A	BUOY	US	US
7. DATES		7. DATES	
FROM: MO, DAY, YR		TO: MO, DAY, YR	
5/31/76		9/26/76	
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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 (DNPI)? (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) Mr. Pat Laird (206) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter RCM-4	N/A	N/A
V-Direction	CM/SEC	"	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	‰	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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>NOAA/PMEL OCSEAP - BRISTOL BAY CURRENT METER R4141</p> <p>FILE # 12 ID = BC-15A 5/31/76 9/26/76</p> <p>7 TRACK, BCD, 800 BPI, EVEN PARITY</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 checked="" type="checkbox"/> 300 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

USER TAPE

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

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 752-NOAA/EDIS/NO DC-634-7505
 ADDRESS WASHINGTON, D.C. 20235

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</p> <p><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><i>12100 (65L)</i></p> <p><i>DSN = TR 3083</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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>60</i></p>

13. FIELD NAME	15. POSITION FROM 1-11 MEASURED IN Bytes (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		BC 15A
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	39A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting
METER MASTER RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

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

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 RCM-4		X				X			
" same meter	Oct 75		NOIC	1 yr.					

DATA DOCUMENTATION FORM

78-0447
TR3093

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-R2551

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.

RECEIVED

APR 11 1978

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			
PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP - GULF OF ALASKA RU 138		FILE ID WGCID	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
WGC 1D	BUOY	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		US US	6/11/76 10/1/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. Pat Laird (205) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	‰	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Donna Bendiner (206) 543-2007
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>NOAA/PMEL OCSEAP - GULF OF ALASKA RU 138 CURRENT METER</p> <p>FILE# 13 FILE ID = WGC ID 6/11/76 10/1/76</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 checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>7 TRACK, BCD, 800 BPI, EVEN PARITY</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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

USER TAPE

3. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

4. ATTRIBUTES AS EXPRESSED IN

- PL-1
- ALGOL
- COBOL
- FORTRAN
- _____ LANGUAGE

5. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 0752-NOAA/EDIS/NODC-634-7505
ADDRESS WASHINGTON, D.C. 20235

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</p> <p><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 style="font-size: 2em; text-align: center;">12100 (65L)</p> <p style="font-size: 1.5em; text-align: center;">DSN = TR 3083</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 style="font-size: 1.5em; text-align: center;">4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="font-size: 2em; text-align: center;">60.</p>

4. FIELD NAME	15. POSITION FROM-11 MEASURED IN Bytes (e.g. bin, byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		WGC ID
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	I1	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)

File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	45	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

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

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 RCM-4		X				X			
" same meter	OCT 75		NOIC	1 yr.					

DATA DOCUMENTATION FORM

78-0447
TR 3094

NOAA FORM 24-13
721

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

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APR 11 1978

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NEGOA

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PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
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OCSEAP - BRISTOL BAY Ru141		FILE ID = BC 2B	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
BC-2B	BUOY	US	US
		7. DATES	
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		11/5/75	5/30/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. Pat Laird (206) 442-7450			

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
SPEED				
U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	°/∞	"	"	"
PRESSURE	DECIBARS	"	"	"

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST: Donna Bendiner (206) 543-2007
NAME AND PHONE NUMBER
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa, 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>NOAA/PMEL OCSEAP OCSEAP - BRISTOL BAY CURRENT METER RU141</p> <p>FILE # 15 ID = BC-2B 11/5/75 5/30/76</p> <p>7 TRACK, BCD, 800 BPI, EVEN PARITY</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 checked="" type="checkbox"/> 300 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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

USER TAPE

3. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

4. CUBES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

5. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER 752-NOAA/EOIS/NO DC-634-7505
ADDRESS WASHINGTON, DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<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> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="font-size: 2em; text-align: center;">12100 (65L)</p> <p style="font-size: 1.5em; text-align: center;">DSN = TR 3083</p>
<p>8. DENSITY</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>12. PHYSICAL BLOCK LENGTH IN BYTES <u>4800</u></p> <p>13. LENGTH OF BYTES IN BITS <u>60</u></p>

14. FIELD NAME	15. POSITION FROM 1-100 MEASURED IN Bytes (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		BC-2B
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

METER MASTER RECORD (REQUIRED)					
14. FIELD NAME	15. POSITION FROM 1-100 MEASURED IN Bytes (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. 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	"		BC-2B
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Number
Year	16	2	"	I2	Last two digits of years
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute	26	2	"	I2	0-99
East-West (u) Current Component	28	6	"	I6	To hundredths. Positive (East and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign.
Temperature	40	5	"	I5	To thousandths. Minus sign negative
Pressure	45	5	"	I5	To tenths
Conductivity	50	5	"	I4	To hundredths
Blank	54	1	"	IX	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
7800447	F015	TT1510	0081	313F	317F	1976/06/11	WGCID	307141
7800447	F015	TT1511	0081	313F	317F	1976/06/11	WGCID	307142
7800447	F015	TR3088	0081	313F	317F	1976/06/06	BC 13B	307125
7800447	F015	TR3092	0081	313F	317F	1976/05/31	BC 15A	307126
7800447	F015	TR3094	0081	313F	317F	1975/11/05	BC-2B	307127
7800447	F015	TT1497	0081	313F	317F	1975/11/21	SLS-5	307128
7800447	F015	TT1498	0081	313F	317F	1975/11/21	SLS-5	307129
7800447	F015	TT1499	0081	313F	317F	1976/03/03	SLS-8	307130
7800447	F015	TT1500	0081	313F	317F	1976/03/08	SLS-8	307131
7800447	F015	TT1501	0081	313F	317F	1976/03/07	SLS-9	307132
7800447	F015	TT1502	0081	313F	317F	1976/03/07	SLS-9	307133
7800447	F015	TT1503	0081	313F	317F	1976/03/07	SLS-9	307134
7800447	F015	TT1504	0081	313F	317F	1976/05/30	BC 6A	307135
7800447	F015	TT1505	0081	313F	317F	1976/05/30	BC 6A	307136
7800447	F015	TT1506	0081	313F	317F	1976/05/30	BC 5A	307137
7800447	F015	TT1507	0081	313F	317F	1976/05/30	BC 5A	307138
7800447	F015	TT1508	0081	313F	317F	1976/05/30	BC 14A	307139
7800447	F015	TT1509	0081	313F	317F	1976/05/30	BC 14A	307140
7800447	F015	TT1512	0081	313F	317F	1976/05/31	BC-2C	307143
7800447	F015	TT1513	0081	313F	317F	1976/05/31	BC-2C	307144

(20 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7800447	F015	TT1510	317F	8	8008	76/06/11	76/09/01
7800447	F015	TT1511	317F	8	8006	76/06/11	76/09/01
7800447	F015	TR3088	317F	2	2564	76/06/06	76/07/11
7800447	F015	TR3092	317F	5	8532	76/05/31	76/09/26
7800447	F015	TR3094	317F	7	9186	75/11/05	76/05/30
7800447	F015	TT1497	317F	10	7463	75/11/21	76/03/01
7800447	F015	TT1498	317F	10	7463	75/11/21	76/03/01
7800447	F015	TT1499	317F	6	5173	76/03/03	76/05/01
7800447	F015	TT1500	317F	6	4809	76/03/08	76/05/01
7800447	F015	TT1501	317F	9	4823	76/03/07	76/05/01
7800447	F015	TT1502	317F	9	4823	76/03/07	76/05/01
7800447	F015	TT1503	317F	9	4823	76/03/07	76/05/01
7800447	F015	TT1504	317F	10	8658	76/05/30	76/09/01
7800447	F015	TT1505	317F	10	8658	76/05/30	76/09/01
7800447	F015	TT1506	317F	10	8590	76/05/30	76/09/01
7800447	F015	TT1507	317F	10	8590	76/05/30	76/09/01
7800447	F015	TT1508	317F	10	8674	76/05/30	76/09/01
7800447	F015	TT1509	317F	10	8674	76/05/30	76/09/01
7800447	F015	TT1512	317F	7	8564	76/05/31	76/09/01
7800447	F015	TT1513	317F	7	1734	76/05/31	76/06/01

(20 rows affected)