

DATA DOCUMENTATION FORM

IR-0139

DDF-B:2:09

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

TT1329 - TT1332

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			
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		File ID = 61	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
61	Buoy	U.S.	U.S.
		PLATFORM	OPERATOR
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		8/16/74	11/21/74
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) 442-4580			

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	"	"	"

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

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

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

[Empty box for 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>138-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID=61 8/16-11/21/74 File 6 ID=62-F</p> <p>File 2 ID=61B 3/10-5/17/76 11/20/75-3/5/76</p> <p>File 3 ID=64 4/28-6/11/76 File 7 ID=62-G</p> <p>File 4 ID=69 3/3-5/17/76 3/5-5/16/76</p> <p>File 5 ID=62-E 9/19-11/20/75 7-track, BCD, 800BPI, even parity</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 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

FILE 6  
 9472 = VOL:SER  
 LABEL: (1, NL)

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

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

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 P. TOPOLY 4-7505  
ADDRESS D.S.F. + I BRANCH

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 checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
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<p>7. PARITY</p> <p><input 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><b>VOL: SER: <math>\phi</math> 11872</b></p> <p><b>LABEL: (1, NL)</b></p> <p><b>LRECL: 420060</b></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 <b>4800</b></p> <p>13. LENGTH OF BYTES IN BITS</p>

RECORD NAME TEXT RECORD (OPTIONAL)

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	"		
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 Identifica- tion	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

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	"		
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. cm/sec
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	"	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	"	I5	To tenths in Decibars
Conductivity	50	4	"	I4	To hundredths of mmho/cm (siemens
Blank	54	1	"	1X	
Sequence Number	55	6	"	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  (✓)	
Aanderaa Current Meter RCM-4					✓				
" same meter	1973		NOIC	1 yr.					

01STR01393604	741025 230	-507	-286	916	3813365	3345
01STR01393604	741025 3 0	-572	-318	920	3853365	3346
01STR01393604	741025 330	-550	-319	916	3813365	3347
01STR01393604	741025 4 0	-482	-386	925	3793372	3348
01STR01393604	741025 430	-533	-284	918	3873379	3349
01STR01393604	741025 5 0	-556	-199	-217	3933379	3350
01STR01393604	741025 530	-484	-333	909	3873372	3351
01STR01393604	741025 6 0	-523	-205	904	3883359	3352
01STR01393604	741025 630	-410	-345	900	3853359	3353
01STR01393604	741025 7 0	-248	-451	898	3843359	3354

01STR01393604	7411061430	-460	-719	845	3973305	3945
01STR01393604	74110615 0	-144	-863	843	4003312	3946
01STR01393604	7411061530	-419	-656	806	3973312	3947
01STR01393604	74110616 0	-596	-331	797	3903305	3948
01STR01393604	7411061630	-543	-319	811	3913305	3949
01STR01393604	74110617 0	-438	-378	818	3943312	3950
01STR01393604	7411061730	-660	-188	808	3933305	3951
01STR01393604	74110618 0	-789	-86	799	3933305	3952
01STR01393604	7411061830	-841	117	797	3913298	3953
01STR01393604	74110619 0		27	811	3903298	3954

01STR01393604	7411121630	-324	170	788	3693325	4237
01STR01393604	74111217 0	-294	187	788	3723318	4238
01STR01393604	7411121730	-236	143	790	3793325	4239
01STR01393604	74111218 0	-208	86	790	3643325	4240
01STR01393604	7411121830	-158	29	790	3873325	4241
01STR01393604	74111219 0	-116	-18	793	7733318	4242
01STR01393604	7411121930	-41	-70	793	3903325	4243
01STR01393604	74111220 0	-72	-98	790	3913318	4244
01STR01393604	7411122030	-43	-177	788	3933318	4245
01STR01393604	74111221 0	-69	-235	790	3933318	4246



015TR01393604	74111412 0	-336	-171	813	3853312	4324
015TR01393604	7411141230	-437	-8	820	3813318	4325
015TR01393604	74111413 0	-421	-247	822	3823312	4326
015TR01393604	7411141330	-444	-306	820	3813312	4327
015TR01393604	74111414 0	-545	-162	827	3643312	4328
015TR01393604	7411141430	-587	-222	8016	3693332	4329
015TR01393604	74111415 0	-682	-75	847	3703325	4330
015TR01393604	7411141530	-697	-172	847	3873318	4331
015TR01393604	74111416 0	-733	-153	847	3703318	4332
015TR01393604	7411141630	-710	-135	847	3763318	4333

015TR01393601	7409081532	-4	-14	907	3434	1115
015TR01393601	74090816 2	-8	-12	978	3490	1116
015TR01393601	7409081632	-15	-2	943	3455	1117
015TR01393601	74090817 2	-7	-13	1066	3533	1118
015TR01393601	7409081732	-10	-11	1212	3625	1119
015TR01393601	74090818 2	-13	-8	9	3505	1120
015TR01393601	7409081832	-13	-7	912	3448	1121
015TR01393601	74090819 2	-10	-11	978	3490	1122
015TR01393601	7409081932	-9	-12	985	3497	1123
015TR01393601	74090820 2	-11	-10	1024	3526	1124

015TR01393601	741103 6 2	-9	-12	870	3306	3784
015TR01393601	741103 632	-6	-14	870	3306	3785
015TR01393601	741103 7 2	-219	-154	870	3313	3786
015TR01393601	741103 732	-516	-71	873	3327	3787
015TR01393601	741103 8 2	-12	-10	873	3320	3788
015TR01393601	741103 832	-13	7	873	6733	3789
015TR01393601	741103 9 2	-12	8	870	3334	3790
015TR01393601	741103 932	-12	9	870	3334	3791
015TR01393601	74110310 2	-7	-13	875	3341	3792
015TR01393601	7411031032	-15	1	877	3341	3793

015TR01393603	74112021 6	-14	-11	750		4630
015TR01393603	7411202136	-15	-12	743		4631
015TR01393603	74112022 6	-23	-4	722		4632
015TR01393603	7411202236	-20	-8	709		4633
015TR01393603	74112023 6	-42	-5	704		4634
015TR01393603	7411202336	-36	-12	709		4635

DATA DOCUMENTATION FORM

~~TR-0110~~

NOAA FORM 24-13 (4-72)

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852

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

TT1333 - TT1336

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OLSEAD - Gulf of Alaska		File ID = 61B	
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61B	Buoy	U.S.	U.S.
		PLATFORM	OPERATOR
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		FROM: MO/PAY/YR	TO: MO/DAY/YR
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CONDUCTIVITY	°/00	"	"	"
PRESSURE	DECIBARS	"	"	"

ORIG. TAPE

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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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>138-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID = 61 8/16 - 11/21/74   File 6 ID = 62-F File 2 ID = 61B 3/10 - 5/17/76   11/20/75 - 3/5/76 File 3 ID = 64 4/28 - 6/11/76   File 7 ID = 62-G File 4 ID = 67 3/3 - 5/17/76   3/5 - 5/16/76 File 5 ID = 62-E 9/19 - 11/20/75   7-track, BCD, 800BPI, even parity</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 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

VOL = SER = 9472  
LABEL = (2, NL)

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

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

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

P. TOPOLY

47505

ADDRESS

DSF + I

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 checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
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<p>7. PARITY</p> <p><input 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>VOL: SER: 011872</p> <p>LABEL: (2, NL)</p> <p>LRECL: 60</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>4800</p> <p>13. LENGTH OF BYTES IN BITS</p>

RECORD FORMAT DESCRIPTION

*[Signature]*

RECORD NAME TEXT RECORD (OPTIONAL)

Date: 10/15/75

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	"		
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
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	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

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 Identifica- tion	4	6	"		
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. cm/sec
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	"	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	"	I5	To tenths in Decibars
Conductivity	50	4	"	I4	To hundredths of mmho/cm (siemens)
Blank	54	1	"	IX	
Sequence Number	55	6	"	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  (✓)	
Aanderaa Current Meter RCM-4					✓				
" same meter	1975		NOIC	1 yr.					



01STR014031454	7604101921	-260	-164	482	4813117	2227
01STR014031454	7604101941	-280	-179	482	4813117	2228
01STR014031454	76041020 1	-271	-231	482	4813117	2229
01STR014031454	7604102021	-235	-227	482	4813117	2230
01STR014031454	7604102041	-264	-222	482	4813117	2231
01STR014031454	76041021 1	-237	-205	480	4813117	2232
01STR014031454	7604102121	-235	-227	480	4813110	2233
01STR014031454	7604102141	-226	-227	482	4813117	2234
01STR014031454	76041022 1	-291	-219	482	4793110	2235
01STR014031454	7604102221	-293	-204	482	4793110	2236

01STR014031835	76031816 2	-12	-9	493	7703144	561
01STR014031835	7603181622	-14	-4	497	7703150	562
01STR014031835	7603181642	-15	-3	497	7703144	563
01STR014031835	76031817 2	-15	-2	500	7703144	564
01STR014031835	7603181722	-15	0	483	7663130	565
01STR014031835	7603181742	-15	-0	483	7663130	566
01STR014031835	76031818 2	-15	-0	490	7663137	567
01STR014031835	7603181822	-15	3	490	7663137	568
01STR014031835	7603181842	-13	7	487	7663137	569
01STR014031835	76031819 2	-13	7	480	7663130	570

01STR014031668	760319 623	-5	-161	493	18923167	604
01STR014031668	760319 643	-20	-157	493	18923167	605
01STR014031668	760319 7 3	-18	-156	493	18923167	606
01STR014031668	760319 723	-15	-159	493	18923167	607
01STR014031668	760319 743	-22	-157	493	18923167	608
01STR014031668	760319 8 3	-59	-157	491	-133159	609
01STR014031668	760319 823	-45	-166	491	18923152	610
01STR014031668	760319 843	-42	-157	491	18923159	611
01STR014031668	760319 9 3	-51	-143	491	18923159	612
01STR014031668	760319 923	-44	-138	491	18923152	613

DATA DOCUMENTATION FORM

~~TR-0141~~

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

TT1337 - ~~TT1338~~  
TT1340

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			
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		File ID = 64	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
64	Buoy	U.S. U.S.	FROM: MO, DAY, YR TO: MO, DAY, YR
			4/28/76 6/11/76
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.	
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) 442-4580			

### 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	°/00	"	"	"
PRESSURE	DECIBARS	"	"	"

ORIG. TAPE

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

[Empty box for file organization description]

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>135-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID = G1 8/16 - 11/21/74 File 6 ID = G2-F 11/20/75 - 3/5/76</p> <p>File 2 ID = G1B 3/10 - 5/17/76</p> <p>File 3 ID = G4 4/28 - 6/11/76 File 7 ID = G2-G 3/5 - 5/16/76</p> <p>File 4 ID = G9 3/3 - 5/17/76</p> <p>File 5 ID = G2-E 9/19 - 11/20/75 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 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>

VOL = SER = 9472  
LABEL = (3, NL)

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

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

[Empty box for listing record types]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER P. Topoly 4-7505  
ADDRESS: D752

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input 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><b>VOL: SER: 011872</b>  <b>LABEL: (3,NL)</b>  <b>LRECL: 60</b></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  <b>4800</b></p> <p>13. LENGTH OF BYTES IN BITS</p>

*[Signature]*

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	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
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	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

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	"		
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. cm/sec
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	"	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	"	I5	To tenths in Decibars
Conductivity	50	4	"	I4	To hundredths of mmho/cm (siemens
Blank	54	1	"	I1	
Sequence Number	55	6	"	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 (✓)	
Aanderaa Current Meter RCM-4					✓				
" same meter	1975		NOIC	1 yr.					



DATA DOCUMENTATION FORM ~~TR-0142~~

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

TT 1341 - TT 1342

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

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

OCSEAP - Gulf of Alaska

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

File ID = 69

4. PLATFORM NAME(S)

69

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
U.S.	U.S.

7. DATES

FROM: MO, DAY, YR	TO: MO, DAY, YR
3/3/76	5/17/76

8. ARE DATA PROPRIETARY?

NO  YES

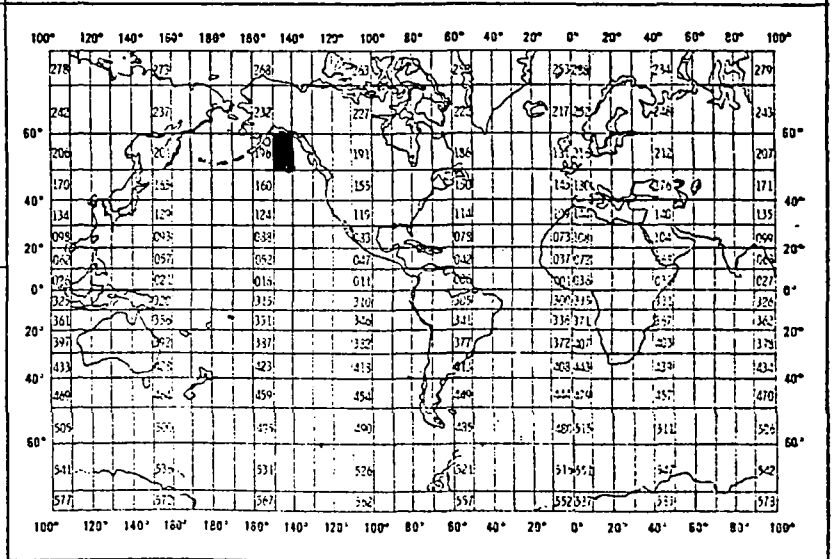
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR \_\_\_ MONTH \_\_\_

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  
(206) 442-4580

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	"	"	"

ORIG. TAPE

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>138-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID = 61 8/16 - 11/21/74   File 6 ID = 62-F</p> <p>File 2 ID = 61B 3/10 - 5/17/76   11/20/75 - 3/5/76</p> <p>File 3 ID = 64 4/28 - 6/11/76   File 7 ID = 62-G</p> <p>File 4 ID = 69 3/3 - 5/17/76   3/5 - 5/16/76</p> <p>File 5 ID = 62-E 9/19 - 11/20/75   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 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>

VOL = SEC = 9492  
LABEL = (4, NL)

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

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

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

P. TOPOLY

4-7505

ADDRESS

D752

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input 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>VOL: SER: <math>\Phi</math>11872          LABEL: (4, NL)          LRECL: 60</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</p>

RECORD NAME TEXT RECORD (OPTIONAL)

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	"		
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
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	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

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	"		
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 ) GMT
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. cm/sec
North-South (v) Current Component	34	6	"	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	"	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	"	I5	To tenths in Decibars
Conductivity	50	4	"	I4	To hundredths of mmho/cm (siemens)
Blank	54	1	"	IX	
Sequence Number	55	6	"	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 (✓)	
Aanderaa Current Meter RCM-4					✓				
" same meter	1975		NOIC	1 yr.					

DATA DOCUMENTATION FORM

~~TR 0143~~

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

TT1343 - TT1346

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							
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		File ID = 62-E					
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES				
62E	BUOY	U.S. U.S.	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-bottom: 1px solid black;">FROM: MO, DAY, YR</td> <td style="width: 50%; border-bottom: 1px solid black;">TO: MO, DAY, YR</td> </tr> <tr> <td style="text-align: center;">9/19/75</td> <td style="text-align: center;">11/20/75</td> </tr> </table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	9/19/75	11/20/75
FROM: MO, DAY, YR	TO: MO, DAY, YR						
9/19/75	11/20/75						
8. ARE DATA PROPRIETARY?		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.					
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES  IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		GENERAL AREA  					
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)		10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)					
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)							
Mr. Pat Laird (206) 442-4580  8-399-7450							



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	"	"	"	
		<p>(Pressure Data blanked out - invalid per Pat Laird inst. 11/30/77)</p> <p>ETA</p>			

ORIG. TAPE

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

Pressure data blanked out

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>138-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID = 61 8/16 - 11/21/74 File 6 ID = 62-F</p> <p>File 2 ID = 61B 3/10 - 5/17/76 11/2/75 - 3/5/76</p> <p>File 3 ID = 64 4/28 - 6/11/76 File 7 ID = 62-G</p> <p>File 4 ID = 69 3/3 - 5/17/76 3/5 - 5/16/76</p> <p>File 5 ID = 62-E 9/19 - 11/20/75 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 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>

VOL: SER: 9472  
LABEL: (5, NL)

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

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

[Empty box for listing record types]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for describing file organization]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

ADDRESS

P. Topoly

4-7505

D752

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input 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>VOL: SER: <math>\phi</math> 11872</p> <p>LABEL: (5, NL)</p> <p>LRECL: 60</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><u>4800</u></p> <p>13. LENGTH OF BYTES IN BITS</p>



Date: 10/15/75

RECORD NAME TEXT RECORD (OPTIONAL)

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 Identifica- tion	4	6	"		
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 Identifica- tion	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

CURRENT METER  
RECORD FORMAT DESCRIPTION

*W. J.*  
Date: 10/15/79

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 Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Nu
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 (Ea and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) wi 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					✓				
" same meter	1974		NOIC	1 yr.					

DATA DOCUMENTATION FORM

TR-0144

NOAA FORM 24-13 (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

TT1347 - TT1349

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

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

OCSEAP - Gulf of Alaska

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

File ID = 62-F

4. PLATFORM NAME(S)

62F

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
U.S.	U.S.

7. DATES

FROM: MO, DAY, YR	TO: MO, DAY, YR
11/20/75	3/5/76

8. ARE DATA PROPRIETARY?

NO  YES

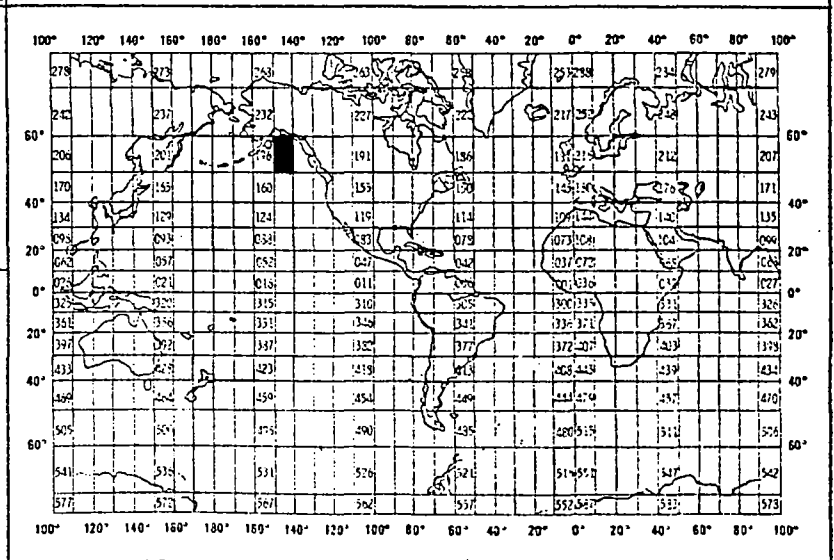
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR \_\_\_\_\_ MONTH \_\_\_\_\_

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  
 (206) 442-4580

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	"	"	"



ORIG. TAPE

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

[Empty box for file organization description]

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>138-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID = 61 8/16 - 11/21/74   File 6 ID = 62-F</p> <p>File 2 ID = 61B 3/10 - 5/17/76   11/20/75 - 3/5/76</p> <p>File 3 ID = 64 4/28 - 6/11/76   File 7 ID = 62-G</p> <p>File 4 ID = 69 3/3 - 5/17/76   3/5 - 5/16/76</p> <p>File 5 ID = 62-E 9/19 - 11/20/75   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 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>

VOL = SER = 9492  
LABEL = (6, 21)

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

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

[Empty box for listing record types and identifying methods]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for describing file organization]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER P. TOPOLY 4-7505  
ADDRESS D752

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input 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>VOL: SER: <math>\phi</math>11872</p> <p>LABEL: (6, NL)</p> <p>LRECL: 60</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>4800</p> <p>13. LENGTH OF BYTES IN BITS</p>

CURRENT METER  
RECORD FORMAT DESCRIPTION

*MSJ.*

Date: 10/15/75

RECORD NAME TEXT RECORD (OPTIONAL)

14. FIELD NAME	15. POSITION FROM - TO - 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	"		
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
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	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

RECORD NAME DETAIL RECORD (REQUIRED)

14. FIELD NAME	15. POSITION <del>FROM 1-</del> 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 Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Nu
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 (Ea and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) wi 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					✓				
" same meter	1975		NOIC	1 yr.					

DATA DOCUMENTATION FORM

TR-0145

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

TT 1350 - TT 1352

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			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
DCSEAP - Gulf of Alaska		File ID = 62-9	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
62 G	Buoy	U.S. U.S.	FROM: MO, DAY, YR TO: MO, DAY, YR 3/5/76 5/16/76
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) 442-4580			

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	"	"	"

ORIG. TAPE

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

[Empty box for file organization description]

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 LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>138-015 NOAA/PMEL Laird, N.P.</p> <p>File 1 ID = 61 8/16 - 11/21/74</p> <p>File 2 ID = 61B 3/10 - 5/17/76</p> <p>File 3 ID = 64 4/28 - 6/11/76</p> <p>File 4 ID = 69 3/3 - 5/17/76</p> <p>File 5 ID = 62-E 9/19 - 11/20/75</p> <p>File 6 ID = 62-F 11/20/75 - 3/5/76</p> <p>File 7 ID = 62-G 3/5 - 5/16/76</p> <p>7-track, BCD, 800 up, even parity</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 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

VOL = SER = 9472  
LABEL = (T, NL)



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

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

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

P. Topoly

ADDRESS

D752

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input 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>VOL: SER: <math>\phi</math>11872</p> <p>LABEL: (7, NL)</p> <p>LRECL: 60</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><u>4800</u></p> <p>13. LENGTH OF BYTES IN BITS</p>

RECORD NAME TEXT RECORD (OPTIONAL)

Date: 10/15/75

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	"		
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 Identifica- tion	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

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14. FIELD NAME	15. POSITION <del>FROM 1</del> 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	"		
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"	I2	Analogous to NODC Station No
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	"	I1	
Sequence Number	55	5	"	I5	Ascending numeric, used for sorting

### D. INSTRUMENT CALIBRATION

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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					✓				
" same meter	1975		NOIC	1 yr.					

015TR014531683	7605151939	-318	80	559	1653139	5099
015TR014531683	7605151952	-278	143	584	1683146	5100
015TR014531683	7605152012	-224	156	584	1713152	5101
015TR014531683	7605152032	-213	135	584	1743152	5102
015TR014531683	7605152052	-205	60	584	1763146	5103
015TR014531683	7605152112	-182	123	579	1793523	5104
015TR014531683	7605152132	-212	38	582	1823146	5105
015TR014531683	7605152152	-189	-11	582	1853152	5106
015TR014531683	7605152212	-188	29	584	1863159	5107
015TR014531683	7605152232	-206	-40	584	1893152	5108

015TR014531684	760311 753	-272	-66	453	4763088	384
015TR014531684	760311 813	-252	161	453	4763095	385
015TR014531684	760311 833	-304	-57	446	4763088	386
015TR014531684	760311 853	-294	-146	446	4763088	387
015TR014531684	760311 913	324	147	455	4763095	388
015TR014531684	760311 933	-137	336	449	4763088	389
015TR014531684	760311 953	-227	-297	453	4763095	390
015TR014531684	7603111013	-357	-32	453	4763095	391
015TR014531684	7603111033	102	372	455	4763095	392
015TR014531684	7603111053	-396	151	451	4763088	393

01STR014331681	751013 917	-203	91	738	5103350	2264
01STR014331681	751013 932	-200	118	706	5103316	2265
01STR014331681	751013 947	-141	180	677	5103296	2266
01STR014331681	75101310 2	-226	78	683	5103303	2267
01STR014331681	7510131017	-229	83	689	5093310	2268
01STR014331681	7510131032	-213	109	679	12493303	2269
01STR014331681	7510131047	-250	-8	621	5093296	2270
01STR014331681	75101311 2	-235	81	670	5093296	2271
01STR014331681	7510131117	-199	127	658	5093283	2272
01STR014331681	7510131132	-179	175	654	5093283	2273

01STR014331681	7510231047	-191	11	686	5203290	3230
01STR014331681	75102311 2	-191	50	654	5203276	3231
01STR014331681	7510231117	-3	199	747	5203350	3232
01STR014331681	7510231132	-141	130	738	5203343	3233
01STR014331681	7510231147	24	181	774	5223364	3234
01STR014331681	75102312 2	94	152	804	11213391	3235
01STR014331681	7510231217	-28	167	774	5203370	3236
01STR014331681	7510231232	-71	150	735	5203337	3237
01STR014331681	7510231247	93	129	760	5203357	3238
01STR014331681	75102313 2	-80	137	729	5203337	3239

01STR014331681	7511041247	-345	68	770	5223364	4390
01STR014331681	75110413 2	-315	86	776	5203370	4391
01STR014331681	7511041317	-300	74	772	5193370	4392
01STR014331681	7511041332	-259	185	779	5163377	4393
01STR014331681	7511041347	-289	109	776	5143370	4394
01STR014331681	75110414 2	0	308	-0	0 -0	4395 ←
01STR014331681	7511041417	-290	98	775	5133377	4396
01STR014331681	7511041432	-254	146	731	5113350	4397
01STR014331681	7511041447	-239	153	754	5103350	4398
01STR014331681	75110415 2	-185	222	767	5103377	4399

01STR014331682	7511202133	-144	319	704	2273276	5961
01STR014331682	7511202148	-178	275	702	2293276	5962
01STR014331682	7511202163	-102	306	702	2293276	5963
01STR014331682	75112022 3	-113	272	702	2273268	5964
01STR014331682	7511202218	-166	257	702	2303268	5965
01STR014331682	7511202233	-186	209	702	2323268	5966
01STR014331682	7511202248	-186	217	702	2303268	5967

015TR014231670	7604171135	268	-80	603	5643040	3273
015TR014231670	7604171155	251	118	603	5613047	3274
015TR014231670	7604171215	152	-232	600	5613040	3275
015TR014231670	7604171235	235	-119	589	5613034	3276
015TR014231670	7604171255	97	-243	578	5613027	3277
015TR014231670	7604171315	199	-187	1253	5573034	3278
015TR014231670	7604171335	39	-276	578	5533027	3279
015TR014231670	7604171355	52	-285	594	5493034	3280
015TR014231670	7604171415	-103	-304	606	5463040	3281
015TR014231670	7604171435	111	-293	597	5463040	3282

015TR014431810	7512122247	-242	-188	577	4233188	1585
015TR014431810	75121223 7	-231	-221	577	4233188	1586
015TR014431810	7512122327	-121	-304	574	4193181	1587
015TR014431810	7512122347	-267	-164	581	4193188	1588
015TR014431810	751213 0 7	-230	-194	581	4193188	1589
015TR014431810	751213 027	-216	-127	581	4195444	1590
015TR014431810	751213 047	-209	70	584	4193188	1591
015TR014431810	751213 1 7	-198	118	581	4193188	1592
015TR014431810	751213 127	-241	9	584	4193188	1593
015TR014431810	751213 147	-226	63	587	4193194	1594



Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7601747	F015	TT1346	0081	313F	317F	1975/09/19	62E	300915
7601747	F015	TT1347	0081	313F	317F	1975/11/20	62F	300916
7601747	F015	TT1348	0081	313F	317F	1975/11/20	62F	300917
7601747	F015	TT1349	0081	313F	317F	1975/11/20	62F	300918
7601747	F015	TT1350	0081	313F	317F	1976/03/06	62G	300919
7601747	F015	TT1351	0081	313F	317F	1976/03/06	62G	300920
7601747	F015	TT1352	0081	313F	317F	1976/03/06	62G	300921
7601747	F015	TT1329	0081	313F	317F	1974/08/16	61	300898
7601747	F015	TT1330	0081	313F	317F	1974/08/16	61	300899
7601747	F015	TT1331	0081	313F	317F	1974/08/16	61	300900
7601747	F015	TT1332	0081	313F	317F	1974/08/16	61	300901
7601747	F015	TT1333	0081	313F	317F	1976/03/10	61B	300902
7601747	F015	TT1334	0081	313F	317F	1976/03/10	61B	300903
7601747	F015	TT1335	0081	313F	317F	1976/03/10	61B	300904
7601747	F015	TT1336	0081	313F	317F	1976/03/10	61B	300905
7601747	F015	TT1337	0081	313F	317F	1975/04/28	64	300906
7601747	F015	TT1338	0081	313F	317F	1975/04/28	64	300907
7601747	F015	TT1339	0081	313F	317F	1975/04/23	64	300908
7601747	F015	TT1340	0081	313F	317F	1975/04/23	64	300909
7601747	F015	TT1341	0081	313F	317F	1976/03/03	69	300910
7601747	F015	TT1342	0081	313F	317F	1976/03/03	69	300911
7601747	F015	TT1343	0081	313F	317F	1975/09/19	62E	300912
7601747	F015	TT1344	0081	313F	317F	1975/09/19	62E	300913
7601747	F015	TT1345	0081	313F	317F	1975/09/19	62E	300914

(24 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7601747	F015	TT1346	317F	12	5968	75/09/19	75/11/01
7601747	F015	TT1347	317F	12	7626	75/11/20	76/03/01
7601747	F015	TT1348	317F	12	7627	75/11/20	76/03/01
7601747	F015	TT1349	317F	12	1741	75/11/20	75/12/01
7601747	F015	TT1350	317F	9	5163	76/03/06	76/05/01
7601747	F015	TT1351	317F	9	5163	76/03/06	76/05/01
7601747	F015	TT1352	317F	9	5163	76/03/06	76/05/01
7601747	F015	TT1329	317F	16	4636	74/08/16	74/11/01
7601747	F015	TT1330	317F	16	4636	74/08/16	74/11/01
7601747	F015	TT1331	317F	16	4636	74/08/16	74/11/01
7601747	F015	TT1332	317F	16	4636	74/08/16	74/11/01
7601747	F015	TT1333	317F	10	4885	76/03/10	76/05/01
7601747	F015	TT1334	317F	10	4885	76/03/10	76/05/01
7601747	F015	TT1335	317F	10	4884	76/03/10	76/05/01
7601747	F015	TT1336	317F	10	900	76/03/10	76/03/10
7601747	F015	TT1337	317F	11	2602	75/04/28	75/05/01
7601747	F015	TT1338	317F	11	6345	75/04/28	75/06/01
7601747	F015	TT1339	317F	11	6345	75/04/23	75/06/01
7601747	F015	TT1340	317F	11	6339	75/04/23	75/06/01
7601747	F015	TT1341	317F	6	5465	76/03/03	76/05/01
7601747	F015	TT1342	317F	6	5465	76/03/03	76/05/01
7601747	F015	TT1343	317F	12	5968	75/09/19	75/11/01
7601747	F015	TT1344	317F	12	5968	75/09/19	75/11/01
7601747	F015	TT1345	317F	12	5968	75/09/19	75/11/01

(24 rows affected)