

DPF AL 4:04

FORM 24-13
(7)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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

NOAA / PMEL
3711 15 th Avenue N.E.
Seattle, Washington 98105

80-12

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 = WIST 1

4. PLATFORM NAME(S)

WIST 1
meters: #
1681, 1680

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
3/17/77	6/8/77

8. ARE DATA PROPRIETARY?

NO YES

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

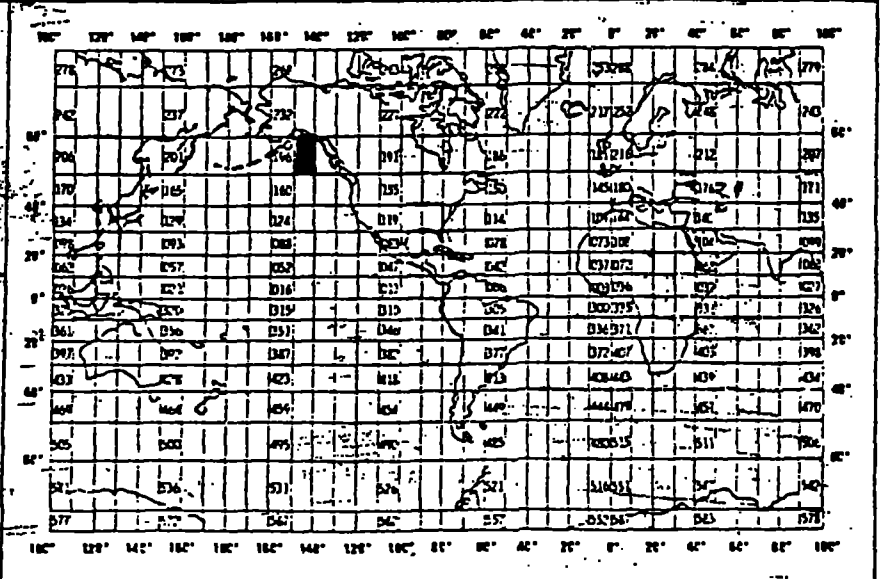
11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED:

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)

David Pashinski
(206)-442 7450
FIS 399 7450

B. SCIENCE 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. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND THE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Donna McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP 3/17/77-6/8/77 RU 138 GULF OF ALASKA File # 1 File id = WIST 1 9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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	"		<i>WIST!</i>
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Num
Text	16	38	"	38A1	Additional pertinent informati
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 Num
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 (i.e., 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	"		<i>WIST 1</i>
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station N
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 (E
Current Component					and North) understood.
North-South (v)	34	6	"	I6	Negative (West and South) w
Current Component					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			NOIC	1 yr.					
<i>meter 1681</i>	<i>SEPT 78</i>								
<i>meter 1680</i>	<i>JAN 80</i>								

DATA DOCUMENTATION FORM

AA FORM 24-13
(7)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

80-0393 TR6118

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

NOAA / PMEL
3711 15 th Avenue N.E.
Seattle, Washington 98105

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

OCSEAP
GULF OF ALASKA
Ru138

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

File id = WIST 2

4. PLATFORM NAME(S)

WIST 2:
meter #'s -
1813, 598, 1812,
1817

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

FROM: MO, DAY, YR	TO: MO, DAY, YR
3/17/77	6/18/77

8. ARE DATA PROPRIETARY?

NO YES

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

9. ARE DATA DECLARED NATIONAL PROGRAM(DNP)?

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

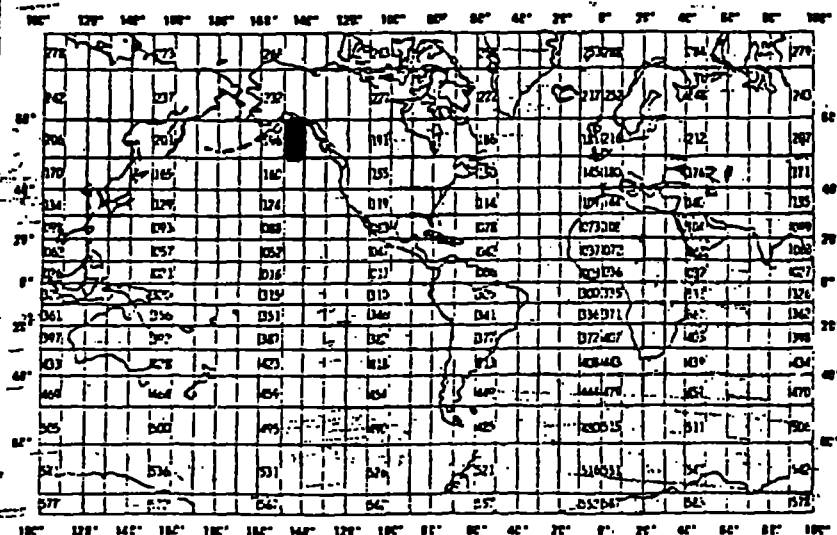
NO YES PART (SPECIFY BELOW)

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

David Pashinski
(206) 442 7450
399 7450

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED:

GENERAL AREA



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. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND THE 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:

NAME AND PHONE NUMBER Donna McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP GULF OF ALASKA RU 138 3/17/77 - 6/8/77</p> <p>File # 2 File id = WIST 2</p> <p>9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

14. FIELD NAME	15. POSITION FROM-- MEASURED IN Bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		<i>WIST 2</i>
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					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 <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
		File Type	1		
File Identifica- tion	4	6	"		<i>WIST 2</i>
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station N
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 (E
Current Component					and North) understood.
North-South (v)	34	6	"	I6	Negative (West and South) w
Current Component					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			NOIC	1 yr.					
<i>meter 1813</i>	<i>MAR 78</i>								
<i>meter 598</i>	<i>JULY 79</i>								
<i>meter 1812</i>	<i>SEPT 78</i>								
<i>meter 1817</i>	<i>6CT 78</i>								

DATA DOCUMENTATION FORM

FORM 24-13
(77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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80-0393 TR6119

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

NOAA / PMEL
3711 15 th Avenue N.E.
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 = SLS 14

4. PLATFORM NAME(S)

SLS 14
meter #5:
1833, 1830

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

Buoy

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

U.S.

U.S.

7. DATES

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

5/13/76 10/21/76

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

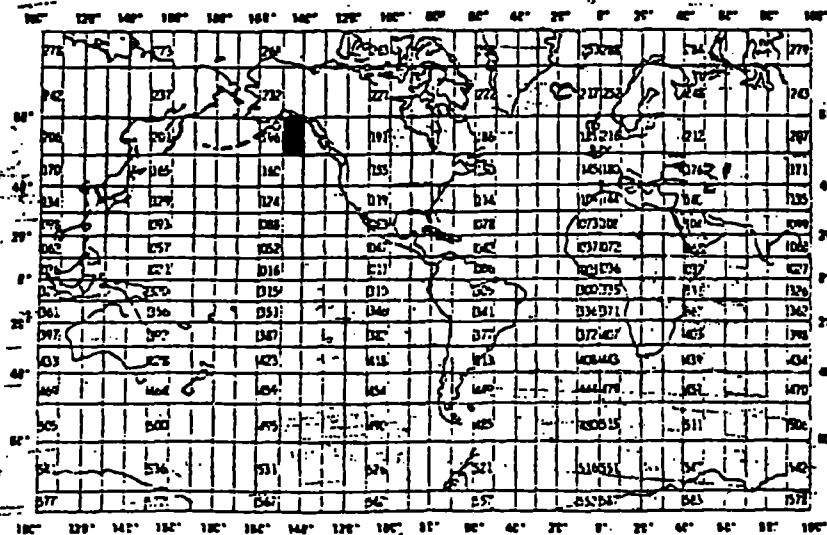
9. ARE DATA DECLARED NATIONAL PROGRAM(DNP)?

(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)

David Pashinski
(206) 442 7450
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 RCM-4	N/A	N/A
V-Direction	CM/SEC	"	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	°/oo	"	"	"
PRESSURE	DECIBARS	"	"	"

1. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND THE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Donna McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP GULF OF ALASKA Ru 138 5/13/76 - 10/21/76</p> <p>File # 3 File id = SLS 14</p> <p>9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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	"		<i>SLS 14</i>
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Num
Text	16	38	"	38A1	Additional pertinent informati
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 Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Num
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 <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	"		<i>SLS 14</i>
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station N
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 (E and North) understood.
Current Component					Negative (West and South) w negative sign.
North-South (v)	34	6	"	I6	
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	"	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			NOIC	1 yr.					
<i>meter 1833</i>	<i>FEB 77</i>								
<i>meter 1830</i>	<i>FEB 77</i>								

DATA DOCUMENTATION FORM

FORM 24-13
(7)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

80-0393 TR 6120

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

NOAA / PMEL
3711 15 th Avenue N.E.
Seattle, Washington 98105

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

OCSEAP
GULF OF ALASKA RU138

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

File id = SLS 16

4. PLATFORM NAME(S)

SLS 16
meter # 1:
603, 1453

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

FROM: MO, DAY, YR	TO: MO, DAY, YR
10/21/76	11/15/77

8. ARE DATA PROPRIETARY?

NO YES

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

9. ARE DATA DECLARED NATIONAL PROGRAM(DNP)?

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

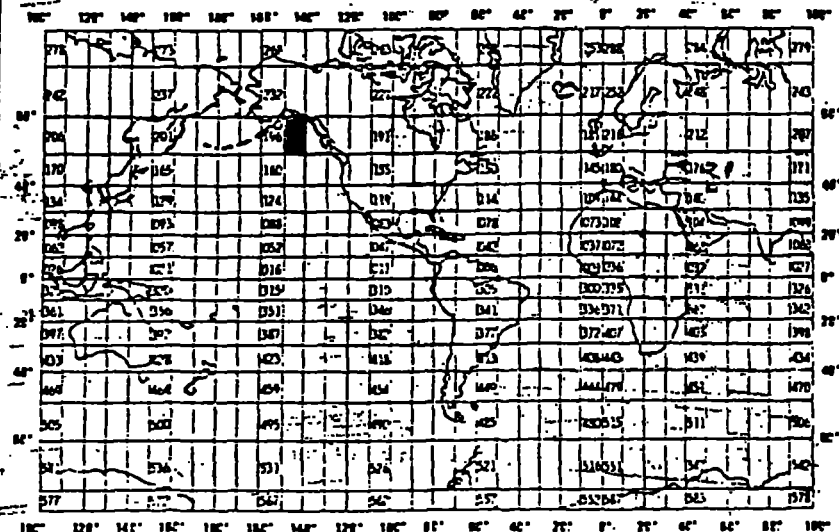
NO YES PART (SPECIFY BELOW)

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

David Pashinski
(206) 442 7450
399 7450

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED:

GENERAL AREA



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. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND THE 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

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Donna McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP GULF OF ALASKA RUL 138 10/21/76 - 1/15/77 File # 4 File id = SLS 16 9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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 Identification	4	6	"		<i>SLS 16</i>
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					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 <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	"		<i>SLS 16</i>
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station M
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 (E
Current Component					and North) understood.
North-South (v)	34	6	"	I6	Negative (West and South) w
Current Component					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			NOIC	1 yr.					
<i>meter 603</i>	<i>Aug 77</i>								
<i>meter 1453</i>	<i>JAN 80</i>								

DATA DOCUMENTATION FORM

FORM 24-13
(7)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

80-0393

TR 6121

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

NOAA / PMEL
3711 15 th Avenue N.E.
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 = SLS 17

4. PLATFORM NAME(S)

SLS 17
meter #'s:
1452, 1686

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

PLATFORM	OPERATOR	FROM: MO/PAY/YR	TO: MO/DAY/YR
		10/21/76	1/15/77

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

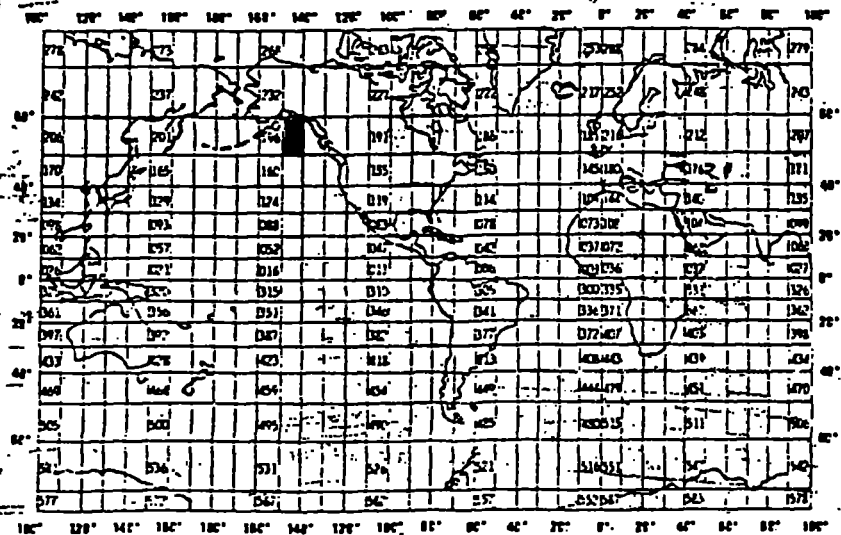
9. ARE DATA DECLARED NATIONAL PROGRAM(DNPP)?

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

David Pashinski
(206)-442 7450
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 RCM-4	N/A	N/A
V-Direction	CM/SEC	"	"	"
TEMPERATURE	°C	"	"	"
CONDUCTIVITY	°/oo	"	"	"
PRESSURE	DECIBARS	"	"	"

1. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND THE 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 McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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 LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>NOAA/PMEL <i>OCSEAP</i> <i>GULF OF ALASKA RU 138</i> <i>10/21/76 - 1/15/77</i></p> <p>File # <u>5</u> File id = <u>SLS 17</u></p> <p><u>9 track, EBCDIC, 1600 bpi, ODD parity</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</p> <p><u>3600 bytes</u></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><u>6 bits</u></p>

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	"		<i>SLS 17</i>
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Numb
Text	16	38	"	38A1	Additional pertinent informati
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 Numb
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 <small>(i.e., 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	"		<i>SLS 17</i>
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station N
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 (E and North) understood.
Current Component					Negative (West and South) w negative sign.
North-South (v)	34	6	"	I6	
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	"	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			NOIC	1 yr.					
<i>Meter 1452</i>	<i>APR 79</i>								
<i>meter 1686</i>	<i>MAY 77</i>								

DATA DOCUMENTATION FORM

FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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800393 TR6122

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

NOAA / PMEL
3711 15 th Avenue N.E.
Seattle, Washington 98105

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

OCSEAP
GULF OF ALASKA RU138

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

File id = SLS 19

4. PLATFORM NAME(S)

SLS 19
meters: 1824
1810

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
		10/22/76	3/11/77

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

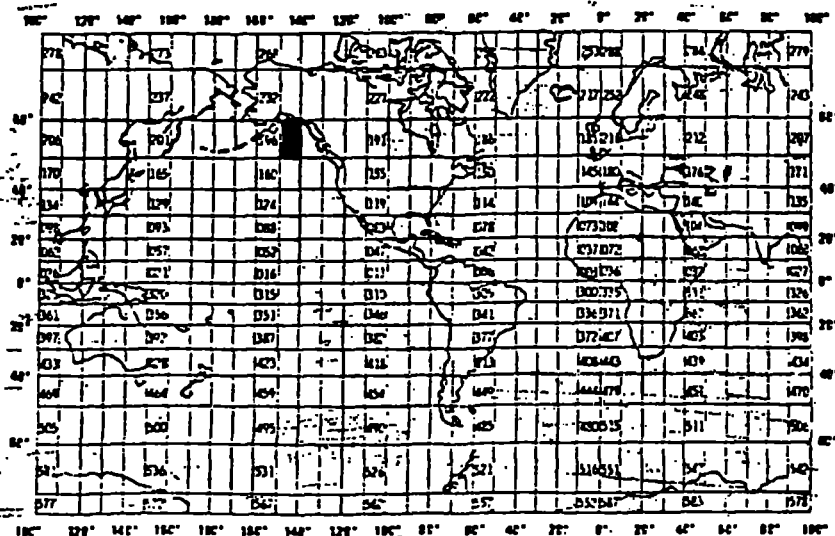
9. ARE DATA DECLARED NATIONAL PROGRAM(DNP)?

(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)

David Pashinski
(206)-442 7450
399 7450



B. SCIENCE 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. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND 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:

NAME AND PHONE NUMBER Donna McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP RU 138 GULF OF ALASKA 10/22/76 - 3/11/77 File # 6 File id = SLS 19 9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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	"		<i>SLS 19</i>
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Num
Text	16	38	"	38A1	Additional pertinent informati
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 Num
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

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			NOIC	1 yr.					
<i>meter 1824</i>	<i>MAY 78</i>								
<i>meter 1810</i>	<i>SEPT 78</i>								

DATA DOCUMENTATION FORM

NUMBER

A FORM 24-13
(77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

80-0393

TR 6123

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 NOAA / PMEL 3711 15 th Avenue N.E. Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED DCSEAP GULF OF ALASKA RU 138		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File id = SLS 20	
4. PLATFORM NAME(S) SLS 20 meter 1675	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S., U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 10/21/76 3/11/77
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) David Pashinski (206)-442 7450 FTS 399 7450		(Continuation of Marsden square grid map)	

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. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 2. 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:

NAME AND PHONE NUMBER Donna McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP GULF OF ALASKA RU 138 10/21/76 - 3/11/77 File # 7 File id = SLS 20 9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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 Identification	4	6	"		<i>SLS 20</i>
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					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	"		<i>SLS 20</i>
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station N
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 (E
Current Component					and North) understood.
North-South (v)	34	6	"	I6	Negative (West and South) w
Current Component					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			NOIC	1 yr.					
<i>meter 1675</i>	<i>MAR 78</i>								

DATA DOCUMENTATION FORM

A FORM 24-13

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEANOGRAPHIC DATA CENTER
 RECORDS SECTION
 WASHINGTON, DC 20235

FORM APPROVED
 O.M.B. No. 41-R2651
 EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

80 0393

TR 6124

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

NOAA / PMEL
 3711 15 th Avenue N.E.
 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 = SLS 21

4. PLATFORM NAME(S)

SLS 21
 meter 1811

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

FROM: MO/PAY/YR	TO: MO/DAY/YR
10/22/76	3/17/77

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

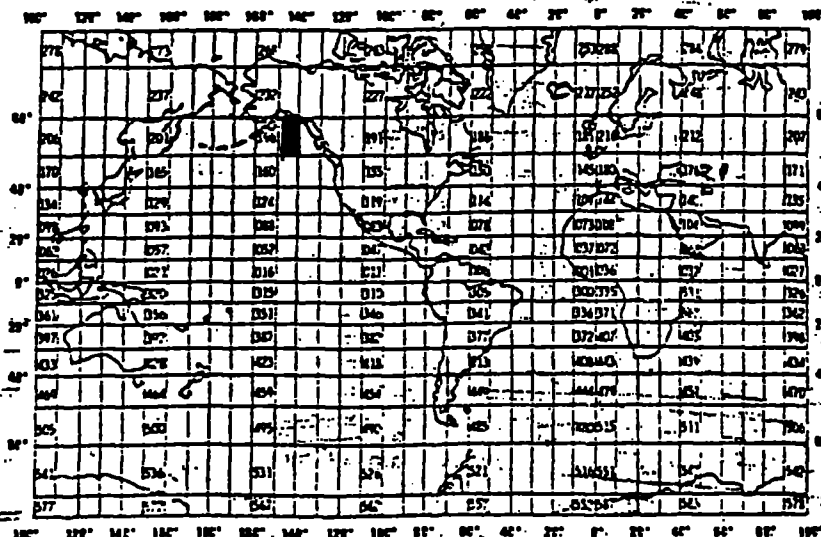
9. ARE DATA DECLARED-NATIONAL PROGRAM (DNP)?

(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)

David Pashinski
 (206) 442 7450
 FTS 399 7450



B. SCIENCE 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
 AND THE 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 McCampbell (206) 543 2007
 ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> 3 1/2 inch blank tape</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>NOAA/PMEL OCSEAP GULF OF ALASKA RU 138 10/22/76 - 3/17/77 File # 8 File id = SLS 21 9 track, EBCDIC, 1600 bpi, ODD parity</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

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	"		<i>SLS 21</i>
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					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 <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		SLS 21
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station N
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 (E and North) understood.
North-South (v) Current Component	34	6	"	I6	Negative (West and South) w 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			NOIC	1 yr.					
<i>meter 1811</i>	<i>SEPT 76</i>								

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-60393

	<u>FID</u>	
	1681	T 6132
WIST 1	<u>1680</u>	6117
	1813	6118
WIST 2	598	6119
	1812	6120
	<u>1817</u>	6121
	1833	6122
SLS14	<u>1830</u>	6123
	603	6124
SLS16	<u>1453</u>	6125
	1452	6126
SLS17	<u>1686</u>	6127
	1824	6128
SLS19	<u>1810</u>	6129
	1675	6130
SLS20	<u>1811</u>	6131

- 1) File Type: 015
- 2) Project Ident.: OCSEAT
- 3) Track Nos.: 6117 - 6132

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

See attached sheet

III. Processor Name:

Lewis/Moss

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-60393

<u>FID</u>		
	1681	T 6132
WIST 1	<u>1680</u>	6117
	1813	6118
WIST 2	<u>598</u>	6119
	1812	6120
	<u>1817</u>	6121
	1833	6122
SLS14	<u>1830</u>	6123
	603	6124
SLS16	<u>1453</u>	6125
	1452	6126
SLS17	<u>1686</u>	6127
	1824	6128
SLS19	<u>1810</u>	6129
	1875	6130
SLS20	<u>1811</u>	6131

- 1) File Type: 015
- 2) Project Ident.: OCSEAT
- 3) Track Nos.: 6117 - 6132

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

See attached sheet

III. Processor Name: Lewis/Moss

Errors

1. Tracks 6122-6127

(a). Deleted conductivity value of 5610 - did not compare favorably with other values.

(b). Erroneous temperature value (-39) deleted.

(c). Negative pressure value deleted

2. TR 6117-6132 - contained 465 blank records. These were deleted.

(3). TR 6119 - values for electrical conductivity below 1500 and above 6000 were deleted.

4/3/80

TAPE ASSIGNMENT SHEET

ACCESSION NO: 80-00393

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS <i>No. of Records</i>
ORIGINATOR NODC-1	OCSE21	NL	60	3600	FB	
DUPLICATE						
REFORMATTED						
FIRST USER						
FINAL USER						
DISK DATA SETS	DIS 773*	FOISA	TR6117	(TR6117-21)		19821
	DIS 773*	FOISA	TR6122	(TR6122-27)		51542
	DIS 773*	FOISA	TR6128	(TR6128-31)		28,081
	DIS 773*	FOISA	TR6132	(TR6132)		2,811
						40774L Records = 102,255 (465) blank records deleted.

DATA SET FILE SHEET

Accession No. 80-60393

Step Operations	Completion Date	Init.	Tape No.	No. of Files	BLKSIZE	LRECL
Originator Tape No. NODC-1	1-16-81	R	OCSE21	1	3600	60
QUADI Duplicate Tape #						
DDF Evaluation						
Quality Review	6/81	MRL				
Preliminary Data Sort						
Preliminary Check	7/81 TR6117-6121	JM	A*			
	6/81 TR6122-6132	MRL	B*			
First User Tape #						
Final User Tape #						
Final Check	7/81 TR6117-6121	JM	A*			
	6/81 TR6122-6132	MRL	B*			
NAPIS Inventory						
DIP Inventory						
Data Set 'Finalized'						

A* TR6117-6121) - JOY2* FOIS. TR6117 19,821

B* { TR6122-6127 — DIS773*FOISA TR6122
 TR6128-6131 — DIS773*FOIS. TR6128
 TR6132 — DIS773*FOISA. TR6132 } 82,434 RECS.



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
 ENVIRONMENTAL DATA AND INFORMATION SERVICE
 Washington, D.C. 20235

National Oceanographic Data Center

September 17, 1981 OA/D781/SJH

Mr. Glenn Cannon
 NOAA/ERL/PMEL
 3711 15th Avenue, NE
 Seattle, WA 98105

Dear Mr. Cannon:

The following File Type 015 current meter data sets for RU 138 have been final processed by NODC and will be entered in the OCSEAP data base:

<u>FID</u>	<u>Meter No.</u>	<u>Track No.</u>	<u>FID</u>	<u>Meter No.</u>	<u>Track No.</u>
WIST1	1681	TR6132	SLS16	603	TR6124
	1680	TR6117		1453	TR6125
	1813	TR6118	SLS17	1452	TR6126
WIST2	598	TR6119		1686	TR6127
	1812	TR6120	SLS19	1824	TR6128
	1817	TR6121		1810	TR6129
SLS14	1833	TR6122	SLS20	1675	TR6130
	1830	TR6123		SLS21	1811

Some minor corrections were made to the data sets. These are:

1. TR6117 - TR6132. Contained 465 blank records. These were deleted.
2. TR6119. Twenty-six conductivity values below and above our test range limits of 15.00 - 60.00 were deleted.
3. TR6122. One negative pressure (-17.6) and one high pressure (276.6) were deleted. One conductivity value of 56.10 and one temperature of -.390 were deleted.

Enclosed are parameter check and inventory runs for the data sets we have final processed. Please review the actual range values for each parameter in the check runs and notify me if any corrections are required.

We thank you for your submission of OCSEAP data.

Sincerely yours,

Sid Halminski
 Sid Halminski
 NODC OCSEAP Data Coordinator

Enclosure

cc: W. Fischer D. Dale *w/smd*
 S. Stillwaugh M. Crane



Password:

accNo	fleaA	refNo	proj	inst	ship	startDate	cruise	catId
8000393	F015	TR6117	0081	313F	317F	1977/03/17	1680	312877
8000393	F015	TR6118	0081	313F	317F	1977/03/18	1813	312878
8000393	F015	TR6119	0081	313F	317F	1977/03/18	0598	312879
8000393	F015	TR6120	0081	313F	317F	1977/03/19	1812	312880
8000393	F015	TR6121	0081	313F	317F	1977/03/18	1817	312881
8000393	F015	TR6122	0081	313F	317F	1976/05/14	1833	312882
8000393	F015	TR6123	0081	313F	317F	1976/05/14	1830	312883
8000393	F015	TR6124	0081	313F	317F	1976/08/21	603	312884
8000393	F015	TR6125	0081	313F	317F	1976/08/21	1453	312885
8000393	F015	TR6126	0081	313F	317F	1976/07/21	1452	312886
8000393	F015	TR6127	0081	313F	317F	1976/07/21	1686	312887
8000393	F015	TR6128	0081	313F	317F	1976/10/22	1824	312888
8000393	F015	TR6129	0081	313F	317F	1976/10/22	1810	312889
8000393	F015	TR6130	0081	313F	317F	1976/10/21	1675	312890
8000393	F015	TR6131	0081	313F	317F	1976/10/22	1811	312891
8000393	F015	TR6132	0081	313F	317F	1977/03/17	1681	312892

(16 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8000393	F015	TR6117	317F	4	3973	77/03/17	77/06/08
8000393	F015	TR6118	317F	4	3962	77/03/18	77/06/08
8000393	F015	TR6119	317F	4	3962	77/03/18	77/06/09
8000393	F015	TR6120	317F	4	3962	77/03/19	77/06/08
8000393	F015	TR6121	317F	4	3962	77/03/18	77/06/08
8000393	F015	TR6122	317F	5	9445	76/05/14	76/09/22
8000393	F015	TR6123	317F	5	9595	76/05/14	76/09/25
8000393	F015	TR6124	317F	4	3706	76/08/21	76/11/07
8000393	F015	TR6125	317F	8	9882	76/08/21	77/03/15
8000393	F015	TR6126	317F	7	9035	76/07/21	77/01/26
8000393	F015	TR6127	317F	8	9879	76/07/21	77/02/12
8000393	F015	TR6128	317F	6	7008	76/10/22	77/03/17
8000393	F015	TR6129	317F	6	7007	76/10/22	77/03/17
8000393	F015	TR6130	317F	6	7061	76/10/21	77/03/18
8000393	F015	TR6131	317F	6	7005	76/10/22	77/03/17
8000393	F015	TR6132	317F	3	2811	77/03/17	77/05/15

(16 rows affected)