

B:4:07

ACCESSION
NUMBER

8400004

DATA DOCUMENTATION FORM

TT1155

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM 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 R/E/PM 7600 Sand Point Way N.W. - Bldg 3 BENC 15709 Seattle, WA. 98115-0070				3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP-9-OC-80-C File Id = W83336	
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED MESA (Marine Ecosystems Analysis)		4. PLATFORM NAME(S) NOAA Ship Oceanographer		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	
		6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S.		7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 7/26/80 7/28/80	
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA			
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. David Ashinski (206) 527-6781			

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
Pressure	db	<i>Plessey 9041</i> CTD # <i>SN 6233</i>	NA	{ values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	

C. DATA FORMAT

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); 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 David Kachel (206) ~~442-1960~~ 527-6783

ADDRESS NOAA/PMEL 3711-15th Ave. N.E. - Seattle, WA. 98115

7600 Sand Point Wy. N.W.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____	
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____	
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <u>NOAA/PMEL 022</u> <u>Sharon Wright</u> <u>Casts 1-26</u> <u>26 casts</u> <u>74 records</u>	
8. DENSITY <input type="checkbox"/> 200 SPI <input checked="" type="checkbox"/> 1600 SPI <input type="checkbox"/> 556 SPI <input type="checkbox"/> 800 SPI <input type="checkbox"/> _____		12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u>
		13. LENGTH OF BYTES IN BITS <u>6</u>

	MEASURED IN Bytes (in 2, 4, 8, 16, 32, 64, 128, 256)	NUMBER	UNITS	
File Type	1	3	Bytes	A3
File Identification	4	6	"	
Record Type	10	1	"	I1
Station Number	11	5	"	
Text	16	100	"	100A1
Sequence Number	116	5	"	I5
MASTER RECORD (Required Thru Bytes 59)				Date: 10/15/75
File Type	1	3	Bytes	A3
File Identification	4	6	"	
Record Type	10	1	"	I1
Station Number	11	5	"	
Latitude,				
Degrees	16	2	"	I2
Minutes	18	2	"	I2
Hundredths of				
Minutes	20	2	"	I2
Hemisphere	22	1	"	A1
Longitude,				
Degrees	23	3	"	I3
Minutes	26	2	"	I2
Hundredths of				
Minutes	28	2	"	I2
Hemisphere	30	1	"	A1
Cruise Identification	31	10	"	10A1
Number of Scans	41	5	"	I5
Year	46	2	"	I2
Month	48	2	"	I2
Day	50	2	"	I2
Hour	52	2	"	I2
Minutes	54	2	"	I2
Depth Interval				
Indicator	56	1	"	I1
Depth Interval	57	3	"	I3
Barometric pressure	60	5	"	I5
				Always '022'
				Always '1'
				Analogous to NODC Station Number
				Additional pertinent information
				Ascending numeric, used for sorting
				Always '022'
				Always '2'
				Analogous to NODC Station Number
				'N' or 'S'
				'E' or 'W'
				Originator Cruise Identification
				Number of scans in a 'station'
				(There are five scans per record type '3')
				Last two digits of year
				1-12
				1-31
				0-23
				0-59
				'0' equals unequally spaced depths
				'1' equals equal spaced depths
				When above equals '1', the depth interval, to tenths of meters reported
				Millibars
				To tenths

	IN Bytes (0.2, 1.2, 2.4, 4.8, 9.6)	NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	I4	Degrees C To tenths
Dry bulb temperature	69	4	"	I4	Degrees C To tenths
Wind direction	73	2	"	I2	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WHO 4501
Sea State Code	78	1	"	I1	WHO 3700
Visibility Code	79	1	"	I1	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	I1	WHO 2700
Instrument Information	82	20	"	20A1	Type and Serial Number
Location Name	102	6	"	A6	OCSEP Internal Location Code
Depth to bottom	108	5	"	I5	To whole meters
Maximum depth of cast	113	4	"	I4	To whole meters
Blank	117	4	"	4X	
DETAIL RECORD (Required)					Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '6
Cast Number	11	5	"	I1	Analogous to NODC Station Number
Depth	16	5	"	I5	db to Tenths)
Temperature	21	5	"	I5	Deg. C to Thousandths)
Salinity	26	5	"	I5	P.P.T. to Thousandths)
Sigma-t	31	4	"	I4	To hundredths)
Scan Condition Code	35	1	"	A1	Code describing how data arrived at)
SCAN DATA	36	4(20)	"	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	"	I5	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 (✓)	
<i>Plessey 9041 SN 6233</i>	<i>1/80</i>		<i>NOIC</i>	<i>6mo.</i>					

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession 18400004

- 1) File Type: F022
- 2) Project Ident.: MESA Puget Sound (#0082)
- 3) Track Nos.: TT1155

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: _____

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8400004

TRACK NO(s): T.T/155

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	C01218	NL	120	3600	9-tr 1600BPI EBCDIC	one file
Duplicate	22/74	SL	120	3600	9-tr 1600BPI ASCII	one file *
Reformatted						
First User						
Final User						
* Label = DNOD*84NODC 005.						

ACCESSION/TRACK # 8400004/TT1155

<u>Step</u>	<u>Completion Date/Init.</u>	<u>Tape # or DSN</u>	<u># of Files</u>	<u>BLKSIZE</u>	<u>LRECL</u>	<u># RECORDS</u>
ORIGINATOR TAPE	2/3/84 8412	C01210	1	3600	120	26 stations
QUADI/SCAN TAPE	2/3/84 8412	22174	1	3600	120	26 stations
ASSIGNED FOR PROCESS.						
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK						
FIRST USER TAPE						
WORK DISK FILE						
FINAL USER TAPE						
FINAL MULCHEK						
EDITED DISK FILE						
DATA SET "FINALIZED"						

B:4:07

ACCESSION
NUMBER

8400004

DATA DOCUMENTATION FORM

TT1156

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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WASHINGTON, DC 20238FORM APPROVED
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EXPIRES 1-81

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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 RJE/PM 7600 Sand Point Way N.W. - Bldg 3 BINC 15700 Seattle WA. 98115-0070			
2. EXPEDITION, PROJECT OR PROGRAM DURING WHICH DATA WERE COLLECTED EL NIÑO		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP 3 DI 83 Leg 3 File Id = W83335	
4. PLATFORM NAME(S) NOAA Ship Discoverer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 5/12/83 5/23/83
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. David Pashinski (206) 527-6781			

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
Pressure	db	Plessey 9040 CTD # SN 6234	NA	{ values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	

C. DATA FORMAT

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), 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 David Kachel (206) 442-1960 527-6783

ADDRESS NOAA/PMEL 3711-15th Ave. N.E. - Seattle, WA 98115

7600 SAND POINT WAY N.W.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <u>NOAA/PMEL 022</u> <u>Sharon Wright</u> <u>Casts 115-168 (2 tapes)</u> <u>Part 1 Tape # C1192 - 35 casts - 168 records</u> <u>Part 2 " C1195 - 19 " - 133 "</u>
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u>
	13. LENGTH OF BYTES IN BITS <u>6</u>

	MEASURED IN Bytes (No. Bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '1'
Station Number	11	5	"		Analogous to NODC Station Number
Text	16	100	"	100A1	Additional pertinent information
Sequence Number	116	5	"	I5	Ascending numeric, used for sorting
MASTER RECORD (Required Thru Bytes 59)					Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Station 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'
Cruise Identification	31	10	"	10A1	Originator Cruise Identification
Number of Scans	41	5	"	I5	Number of scans in a 'station'. (There are five scans per record type '3')
Year	46	2	"	I2	Last two digits of year
Month	48	2	"	I2	1-12
Day	50	2	"	I2	1-31
Hour	52	2	"	I2	0-23
Minutes	54	2	"	I2	0-59
Depth Interval Indicator	56	1	"	I1	'0' equals unequally spaced depths '1' equals equal spaced depths
Depth Interval	57	3	"	I3	When above equals '1', the depth interval, to tenths of meters reported
Barometric pressure	60	5	"	I5	Millibars To tenths

	IN BYTES (U.S. Lit., bytes)	NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	I4	Degrees C To tenths
Dry bulb temperature	69	4	"	I4	Degrees C To tenths
Wind direction	73	2	"	I2	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WHO 4501
Sea State Code	78	1	"	I1	WHO 3700
Visibility Code	79	1	"	I1	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	I1	WHO 2700
Instrument Information	82	20	"	20A1	Type and Serial Number
Location Name	102	6	"	A6	GCSEP Internal Location Code
Depth to bottom	108	5	"	I5	To whole meters
Maximum depth of cast	113	4	"	I4	To whole meters
Blank	117	4	"	4X	
DETAIL RECORD (Required)					Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always ' 6
Cast Number	11	5	"	I1	Analogous to NODC Station Number
Depth	16	5	"	I5	db to Tenths)
Temperature	21	5	"	I5	Deg. C to Thousandths)
Salinity	26	5	"	I5	P.P.T. to Thousandths) SCAN DATA
Sigma-t	31	4	"	I4	To hundredths)
Scan Condition Code	35	1	"	A1	Code describing how)
SCAN DATA	36	4(20)	"	4(3I5,I4,A1)	data arrived at)
Sequence Number	116	5	"	I5	Repetition of above
					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 (✓)	
<i>Flesky 9040 SN 6234</i>	<i>9/81</i>		<i>NOIC</i>	<i>6mo.</i>					

SUBJECT: Error Correction in Processing of Data Set - Accession 18400004

1) File Type: F022

2) Project Ident.: _____

3) Track Nos.: **TT1156**

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (check)

III. Processor Name: _____

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8400004

TRACK NO(s): TT1156

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	C011927 C01195	NL	120	3600	9-tr 1600BPI EBCDIC	<u>one file</u>
Duplicate	22176	SL	120	3600	9-tr 1600BPI ASCII	<u>one file</u> *
Reformatted						
First User						
Final User						
* Label = DNOD * 84NODC 005						

ACCESSION/TRACK # 8400004/TT1156

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/3/84 (8212)	C01192 C01195	1	3600	120	54 stations
QUADI/SCAN TAPE	2/3/84 (8212)	22176	1	3600	120	54 stations
ASSIGNED FOR PROCESS.						
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK						
FIRST USER TAPE						
WORK DISK FILE						
FINAL USER TAPE						
FINAL MULCHEK						
EDITED DISK FILE						
DATA SET "FINALIZED"						

13:4:07

ACCESSION
NUMBER

8400004

DATA DOCUMENTATION FORM

TT1157-60

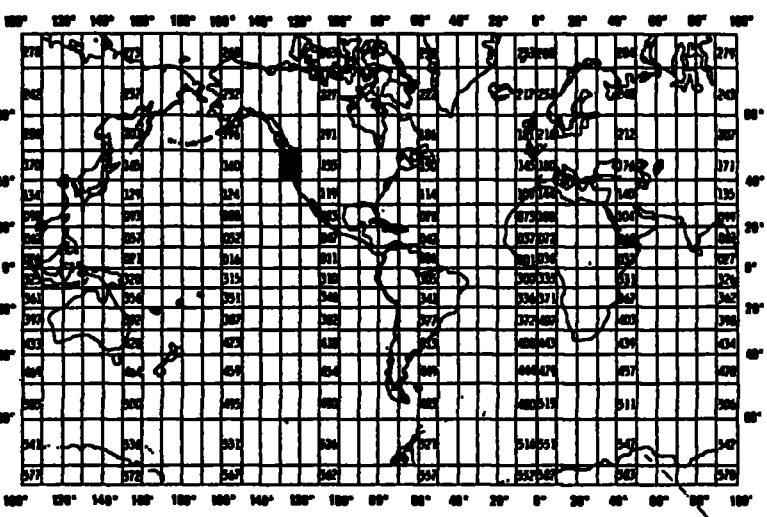
NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED LONG RANGE EFFECTS Project 1		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT LRERP 83 File: W83337	
4. PLATFORM NAME(S) NOAA Ship McArthur	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 3/21/83 4/27/83
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. David Pashinski (206) 527-6781			

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
Pressure	db	Plessey 9041 CTD # SN# 6227	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	

C. DATA FORMAT

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); 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 David Kache] (206) 527-6783
ADDRESS NOAA/PMEL 7600 Sand Point Way N.W.-Bldg. 3, Seattle, WA. 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <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) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <u>NOAA/PMEL 022 Sharon Wright</u> <u>2 tapes : #T2704 1 File 240 records</u> <u>135 casts</u> <u>#T2705 1 FILE 160 records</u> <u>86 casts</u></p>
<p>8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u></p>
	<p>13. LENGTH OF BYTES IN BITS <u>6</u></p>

		FORM 10 MEASUREMENT IN Bytes (No. bits, bytes)		NUMBER	UNITS	
File Type	1	3	Bytes	A3		Always '022'
File Identification	4	6	"			
Record Type	10	1	"	11		Always '1'
East Number	11	5	"			Analogous to NODC Station Number
Ext	16	100	"	100A1		Additional pertinent information
Sequence Number	116	5	"	15		Ascending numeric, used for sorting
MASTER RECORD (Required Thru Bytes 59)						Date: 10/15/75
File Type	1	3	Bytes	A3		Always '022'
File Identification	4	6	"			
Record Type	10	1	"	11		Always '2'
East Number	11	5	"			Analogous to NODC Station Number
Latitude, Degrees	16	2	"	12		
Minutes	18	2	"	12		
Hundredths of Minutes	20	2	"	12		
Hemisphere	22	1	"	A1		'N' or 'S'
Longitude, Degrees	23	3	"	13		
Minutes	26	2	"	12		
Hundredths of Minutes	28	2	"	12		
Hemisphere	30	1	"	A1		'E' or 'W'
Cruise Identification	31	10	"	10A1		Originator Cruise Identification
Number of Scans	41	5	"	15		Number of scans in a 'station'. (There are five scans per record type '3')
Year	46	2	"	12		Last two digits of year) 1-12 1-31 0-23 0-59 } GMT
Month	48	2	"	12		
Day	50	2	"	12		
Hour	52	2	"	12		
Minutes	54	2	"	12		
Depth Interval Indicator	56	1	"	11		'0' equals unequally spaced depths
Depth Interval	57	3	"	13		'1' equals equal spaced depths When above equals '1', the depth interval, to tenths of meters reported
Barometric pressure	60	5	"	15		Millibars To tenths

4 FEB 24-13

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 (✓)	
Plessey 9041 SN 6227	2/83		NOIC	6mo.					

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession 18400004

1) File Type: F022

2) Project Ident.: _____

3) Track Nos.: TT 1157-60

Error

Correction Completed (Check)

Error

Correction Completed (check)

III. Processor Name: _____

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8400004

TRACK NO(s): TT1157-60

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	T02705 T02704	NL	120	3600	9-tu 1600 BPI EBCDIC	4 files
Duplicate	22175	SL	120	3600	9-tu 1600 BPI ASCII	4 files X
Reformatted						
First User						
Final User						
Label = DNOD*84NODC005						

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8900004/TT1157-60

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/3/84	702 T02765 T02764	4	3600	120	221 stations
QUADI/SCAN TAPE	2/3/84	702 22175	4	3600	120	221 stations
ASSIGNED FOR PROCESS.						
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK						
FIRST USER TAPE						
WORK DISK FILE						
FINAL USER TAPE						
FINAL MULCHEK						
EDITED DISK FILE						
DATA SET "FINALIZED"						

DATE:

84 NOV 287 - 02

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession / 8400004

1) File Type: F005

2) Project Ident.: _____

3) Track Nos.: TT1972- TT1977

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

PLEASE NOTE
identical FIDS are scattered in the
listing and will have to be
sorted together SH

LPCELL = 45
see DDF section, some FIDS
need sorting

III. Processor Name: _____

TT1972 - TT1977

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/29/84	4	CHESA2	3	45	4500	
QUADI/SCAN TAPE							
ASSIGNED FOR PROCESS.	1/24/85	4	W45638	1	45	4500	
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

CONFIRMATION/TRACK NO.: **8500004** **TT 1972 - TT 1977**

TYPE OF FILE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	CHESA2	NL	45	4500	FB		
DUPLICATE	W05638	SL	45	4500	FB	DSN: DN000085N0D287-02	
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

LETTER TRANSMITTING DATA

TO:

Edward L. Ridley
NODC
Room 428
Page 1

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

DATE FORWARDED

October 15, 1984

NUMBER OF PACKAGES :

1 box

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

2 - 9 Track Tapes: CHESA1 - 197 Files
CHESA2 - 117 Files

Chesapeake Bay 1982, Current Data

2 Associated Listings

CHNODC
CNODC1

1 - 9 Track Tape: CTDCB2 - 376 Files

Chesapeake Bay, 1982 CTD Data

1 Associated Listing

CCCTDN

1 - 9 Track Tape: MET82B - 4 Files

Chesapeake Bay, 1982 Meteorological
Data

1 Associated Listing

1 Envelope containing Meteorological Deck Logs

FROM: (Signature)

David Browne

Return receipted copy to:

David Browne
N/OMA1312
NOAA, NOS
WSC-1, Rm. 419
Rockville, Maryland 20852

RECEIVED THE ABOVE
(Name, Division, Date)

October 31, 1984

Lamar Bennett
Lamar Bennett
Technician, E/OC13
Data Acquisition and
Management Branch

84NODC287

10/31

USER NAME HALMINSKI	PHONE # 634-7441	ORG/TASK #	DATE SUBMITTED 11/9/84	DATE DUE	BIN # 33
-------------------------------	----------------------------	------------	----------------------------------	----------	--------------------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

OPS RUN SCAN AND LOCK. PRINT 200 RECORDS

84N00C 287-02

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
--	---

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	CHESA2		9	1600	ODD	NL	FB	45	4500	7
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
----------------------	--------------------------------

D731 USE ONLY					
JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
41104 C13	11/9/84	11:28	11:50	C	MT1-1 mount

COMMENTS
Completed by E. G. Mason
no double end of file

USER NAME HALMINSKI	PHONE # 634-7441	ORG/TASK #	DATE SUBMITTED 7/18/85	DATE DUE	BIN # 33
-------------------------------	----------------------------	------------	----------------------------------	----------	--------------------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**FOOS MAKE SL COPY JUST COPY 1ST FILE
RUN SCAN**

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	CHESA2		9	1600	ODD	NL	FB	45	4500	3
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	W05638		9	1600	ODD	SL	FB	45	4500	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNARC X 85 N0D287-02			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

NEED W TAPE

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEY VERIFIED
55012312	7/23/85			C	MTA0-MTA1-2 mounts

COMMENTS

Completed by E. G. Smith

CHESA 2

821101
821116

FID RECORDS STA

6183 4320 2

5183 2289 1
2147 1.
2147 1.
2149 1
2199 1.
2199 1
5801 3
5509 3
3171 1
3171 1
3172 1
33954 15

821101
821118
30
1201

8183 12157 5
8973 4
2317 1
4692 2
28139 12

24
820827
420913
29
1015

6083 4189 1
3857 1.
7715 2
15165 6
4281 1
491 1.
5035 2
10071 4
3148 1
53952 19

821109
821208
930104
10

FID RECORDS STA

5283 3325 1
2645 1
1385 1
3001 1.
4913 2
7607 3
2241 1
6979 2
901 1
9403 3
5599 3
4865 2
1861 1
1863 1
2187 1
2188 1
60963 23

21
0323
821222
830114
25
0210
0329
30
0404

7283 15487 6
1775 1
4791 2
2703 1
2885 1
8883 4
6457 3
7609 3
4503 2
7489 3
2695 1
3923 2
2147 1.
2161 1
4885 2
7510 2
85903 35

20409
820422
0706
13
0811
1102
18
1222
830114

5283 6371 2
2725 1
1425 2
10521 5

7283 3063 1
6289 3
9352 4

84NODC 287-02

ACCESSION
NUMBER

850000 Y

DATA DOCUMENTATION FORM

TT 1972 - TT 1977

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM 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 <i>NOAA/NOS N/O MA 131 ESTUARINE AND OCEAN PHYSICS BRANCH CIRCULATION SECTION 6901 EXECUTIVE BLVD. ROCKVILLE, MD. 20852</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OPR-D801-FE-82 CHESAPEAKE BAY CIRCULATORY SURVEY</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT									
4. PLATFORM NAME(S) <i>NOAA SHIP FERREL</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>CURRENT-STD MRS. MEANINGS</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td><i>USA.</i></td><td><i>USA</i></td></tr></tbody></table>	PLATFORM	OPERATOR	<i>USA.</i>	<i>USA</i>	7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td><i>1/01/82</i></td><td><i>04/04/83</i></td></tr></tbody></table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>1/01/82</i>	<i>04/04/83</i>
PLATFORM	OPERATOR										
<i>USA.</i>	<i>USA</i>										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
<i>1/01/82</i>	<i>04/04/83</i>										
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) <i>N/O MA 131 CHIEF, CIRCULATION SECTION 301-443-8501</i>											

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
<p>CURRENT DATA</p> <p>SPEED</p> <p>DIRECTION</p> <p>TEMPERATURE</p> <p>CONDUCTIVITY</p> <p>PRESSURE</p>	<p>CM/SEC</p> <p>DEGREES TRUE</p> <p>DEGREES CENTIGRADE</p> <p>M MH/CM</p> <p>Kg/CM²</p>	GRUNDY CURRENT		TEMP, COND, PRESS, SPEED AND DIRECTION WERE CONVERTED FROM INTERNAL MACHINE UNITS TO ENGINEERING UNITS USING STD. FORMULAS. DATA ARE ALL SAMPLED AT 10 MINUTE INTERVALS.
<p>METEOROLOGICAL DATA</p> <p>WIND DIRECTION</p> <p>WIND SPEED</p> <p>PRESSURE</p> <p>TEMPERATURE</p>	<p>DEGREES TRUE</p> <p>METERS/SECOND</p> <p>MILLIBARS</p> <p>DEGREES CENTIGRADE</p>	AANDERAA		WIND DIRECTION, SPEED PRESSURE, TEMPERATURE (SAME AS ABOVE)
<p>CTD DATA</p> <p>CONDUCTIVITY</p> <p>TEMPERATURE</p> <p>DEPTH</p> <p>SALINITY</p> <p>SIGMA-T</p>	<p>M MH/CM</p> <p>DEGREES CENTIGRADE</p> <p>METERS</p> <p>PPT</p> <p>GM/CM³</p>			SALINITY, DEPTH, SIGMA-T DERIVED FROM CONDUCTIVITY, PRESSURE AND SALINITY, TEMPERATURE AND PRESSURE RESPECTIVELY

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

C. DATA FORMAT

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

<p style="margin: 0;">CURRENT DATA NODC FILE TYPE 005</p> <p style="margin: 0;">MET DATA NODC FILE TYPE 091</p> <p style="margin: 0;">CTD DATA NODC FILE TYPE 022</p>

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

--

3. ATTRIBUTES AS EXPRESSED IN
- | | | |
|---|--------------------------------|--------------------------------|
| <input type="checkbox"/> PL-1 | <input type="checkbox"/> ALGOL | <input type="checkbox"/> COBOL |
| <input checked="" type="checkbox"/> FORTRAN | <input type="checkbox"/> _____ | LANGUAGE |

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> BCD</td> <td><input type="checkbox"/> BINARY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ASCII</td> <td><input type="checkbox"/> EBCDIC</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table> <p>6. NUMBER OF TRACKS (CHANNELS)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> SEVEN</td> </tr> <tr> <td><input checked="" type="checkbox"/> NINE</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table> <p>7. PARITY</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ODD</td> </tr> <tr> <td><input checked="" type="checkbox"/> EVEN</td> </tr> </table> <p>8. DENSITY</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> 200 BPI</td> <td><input checked="" type="checkbox"/> 1600 BPI</td> </tr> <tr> <td><input type="checkbox"/> 556 BPI</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 800 BPI</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<input type="checkbox"/> SEVEN	<input checked="" type="checkbox"/> NINE	<input type="checkbox"/> _____	<input type="checkbox"/> ODD	<input checked="" type="checkbox"/> EVEN	<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>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> 3/4 INCH</td> </tr> <tr> <td><input checked="" type="checkbox"/> 1/2 INCH</td> </tr> </table> <p>10. END OF FILE MARK</p> <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> OCTAL 17</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table> <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="margin-left: 20px;">CURRENT CHESA2 - 197 FILES CHESA2 - 117 FILES</p> <p style="margin-left: 20px;">MET METB2B - 4 FILES</p> <p style="margin-left: 20px;">CTD CTDLB2 - 376 FILES</p> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="margin-left: 20px;">4500 CHARACTERS = 2250 BYTES</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="margin-left: 20px;">16 BITS/BYTE</p>	<input type="checkbox"/> 3/4 INCH	<input checked="" type="checkbox"/> 1/2 INCH	<input checked="" type="checkbox"/> OCTAL 17	<input type="checkbox"/> _____
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY																							
<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> EBCDIC																							
<input type="checkbox"/> _____																								
<input type="checkbox"/> SEVEN																								
<input checked="" type="checkbox"/> NINE																								
<input type="checkbox"/> _____																								
<input type="checkbox"/> ODD																								
<input checked="" type="checkbox"/> EVEN																								
<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI																							
<input type="checkbox"/> 556 BPI																								
<input type="checkbox"/> 800 BPI																								
<input type="checkbox"/> _____																								
<input type="checkbox"/> 3/4 INCH																								
<input checked="" type="checkbox"/> 1/2 INCH																								
<input checked="" type="checkbox"/> OCTAL 17																								
<input type="checkbox"/> _____																								

B:4:07

ACCESSION
NUMBER

8400004

DATA DOCUMENTATION FORM

Ref # 319351

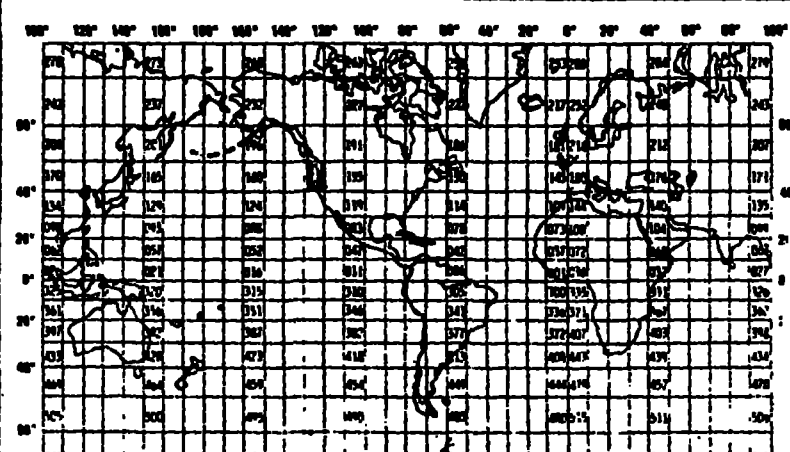
NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(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 R/E/PM 7600 Sand Point Way N.W. - Bldg 3 BENC 15700 Seattle, WA. 98115-0070			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED MESA (Marine Ecosystems Analysis)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP-9-OC-80-C File Id = W83336	
4. PLATFORM NAME(S) NOAA Ship Oceanographer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 7/26/80 7/28/80
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. David Tashinski (206) 527-6781			

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNIT & 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
Pressure	db	<i>Plessey 9041</i> CTD # <i>SN 6233</i>	NA	{ values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	

C. DATA FORMAT

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), 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

David Kachel (206) 442-1960 527-6783

ADDRESS

NOAA/PMEL 3711-15th Ave. N.E. - Seattle, WA. 98115

7600 Sand Point Wy. N.W.

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 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 checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">NOAA/PMEL 022 Sharon Wright Casts 1-26 26 casts 74 records</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">3600</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">6</p>

	in bytes (No. bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '1'
Cast Number	11	5	"		Analogous to NODC Station Number
Text	16	100	"	100A1	Additional pertinent information
Sequence Number	116	5	"	I5	Ascending numeric, used for sorting
MASTER RECORD (Required Thru Bytes 59)					Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Cast 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'
Cruise Identification	31	10	"	10A1	Originator Cruise Identification
Number of Scans	41	5	"	I5	Number of scans in a 'station'. (There are five scans per record type '3')
Year	46	2	"	I2	Last two digits of year
Month	48	2	"	I2	1-12
Day	50	2	"	I2	1-31
Hour	52	2	"	I2	0-23
Minutes	54	2	"	I2	0-59
Depth Interval					
Indicator	56	1	"	I1	'0' equals unequally spaced depths
Depth Interval	57	3	"	I3	'1' equals equal spaced depths
					When above equals '1', the depth interval, to tenths of meters reported
Barometric pressure	60	5	"	I5	Millibars To tenths

	(No. of Bits, Bytes)	NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	I4	Degrees C To tenths
Dry bulb temperature	69	4	"	I4	Degrees C To tenths
Wind direction	73	2	"	I2	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WHO 4501
Sea State Code	78	1	"	I1	WHO 3700
Visibility Code	79	1	"	I1	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	I1	WHO 2700
Instrument Information	82	20	"	20A1	Type and Serial Number
Location Name	102	6	"	A6	OCSEP Internal Location Code
Depth to bottom	108	5	"	I5	To whole meters
Maximum depth of cast	113	4	"	I4	To whole meters
Blank	117	4	"	4X	

	DETAIL RECORD	(Required)			Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '6'
Cast Number	11	5	"	I1	Analogous to NODC Station Number
Depth	16	5	"	I5	db. to Tenths)
Temperature	21	5	"	I5	Deg. C to Thousandths)
Salinity	26	5	"	I5	P.P.T. to Thousandths) SCAN DATA
Signature	31	4	"	I4	To hundredths)
Scan Condition Code	35	1	"	A1	Code describing how data arrived at)
SCAN DATA	36	4(20)	"	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	"	I5	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 (✓)	
Plessey 9041 5N 6233	1/80		NOIC	6mo.					

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accension 18400009

- 1) File Type: C022
- 2) Project Ident.: MESA Puget Sound (#0082)
- 3) ^{Ref.}~~Track~~ Nos.: 319351

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: _____

ACCESSION/TRACK # 8400004/319351

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/3/84	7212	C01210	1	3600	120	26 stations
QUADI/SCAN TAPE	2/3/84	7212	22174	1	3600	120	26 stations
ASSIGNED FOR PROCESS.							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8400004

REF. TRACK NO(s): 319351

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	C01210	NL	120	3600	9-tr 1600BPI EBCDIC	one file
Duplicate	I2174	SL	120	3600	9-tr 1600BPI ASCII	one file *
Reformatted						
First User						
Final User						
* Label = DNOD*84NODC005.						

514107

ACCESSION
NUMBER

8400004

DATA DOCUMENTATION FORM

Ref # 319352

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 41-K2651
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 R/E/PM 7600 Sand Point Way N.W. - Bldg 3 BINC 15700 Seattle WA. 98115-0070			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED EL NIÑO		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP 3 DI 83 Leg 3 File Id = W83335	
4. PLATFORM NAME(S) NOAA Ship Discoverer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 5/12/83 5/23/83
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. David Pashinski (206) 527-6781	

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
Pressure	db	<i>Plessey 9040</i> CTD # <i>SN 6234</i>	NA	<div> { values averaged over 1db intervals </div>
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	

C. DATA FORMAT

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), 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

David Kachel (206) 442-1960 527-6783

ADDRESS

NOAA/PMEL 3711-15th Ave. N.E. - Seattle, WA. 98115

7600 SAND POINT WAY N.W.

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 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 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 022</p> <p>Sharon Wright</p> <p>Casts 115-168 (2 tapes)</p> <p>Part 1 Tape # C1192 - 35 casts - 168 records</p> <p>Part 2 " C1195 - 19 " - 133 "</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</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>	

	in Bytes (incl. del. bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '1'
Cast Number	11	5	"		Analogous to NODC Station Number
Text	16	100	"	100A1	Additional pertinent information
Sequence Number	116	5	"	I5	Ascending numeric, used for sorting
MASTER RECORD (Required thru Bytes 59)					Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Cast 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'
Cruise Identification	31	10	"	10A1	Originator Cruise Identification
Number of Scans	41	5	"	I5	Number of scans in a 'station'. (There are five scans per record type '3')
Year	46	2	"	I2	Last two digits of year 1-12 1-31 0-23 0-59 } GMT
Month	48	2	"	I2	
Day	50	2	"	I2	
Hour	52	2	"	I2	
Minutes	54	2	"	I2	
Depth Interval					
Indicator	56	1	"	I1	'0' equals unequally spaced depths
Depth Interval	57	3	"	I3	'1' equals equal spaced depths When above equals '1', the depth interval, to tenths of meters reported
Barometric pressure	60	5	"	I5	Millibars To tenths

	(O.K. Ltr. by:)	NUMBER	UNITS		
Net bulb temperature	65	4	Bytes	I4	Degrees C To tenths
Air bulb temperature	69	4	"	I4	Degrees C To tenths
Wind direction	73	2	"	I2	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WHO 4501
Sea State Code	78	1	"	I1	WHO 3700
Visibility Code	79	1	"	I1	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	I1	WHO 2700
Instrument Information	82	20	"	20A1	Type and Serial Number
Location Name	102	6	"	A6	OCSEP Internal Location Code
Depth to bottom	108	5	"	I5	To whole meters
Maximum depth of cast	113	4	"	I4	To whole meters
Blank	117	4	"	4X	

	DETAIL RECORD	(Required)			Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '6
Cast Number	11	5	"	I1	Analogous to MODC Station Number
Depth	16	5	"	I5	db to Tenths)
Temperature	21	5	"	I5	Deg. C to Thousandths)
Salinity	26	5	"	I5	P.P.T. to Thousandths)
Sigma-t	31	4	"	I4	SCAN DATA To hundredths)
Scan Condition Code	35	1	"	A1	Code describing how data arrived at)
SCAN DATA	36	4(20)	"	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	"	I5	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 (✓)	
<i>Flessey 9040 SN 6234</i>	<i>9/81</i>		<i>NOIC</i>	<i>6mo.</i>					

TO: OC12

SUBJECT: Error Correction in Processing of Data Set - Accession 1 84-00004

1) File Type: C022

2) Project Ident.: _____

3) ~~Track~~ ^{Ref.} Nos.: 319352

Error

Correction Completed (Check)

Erster

Correction Completed (check)

III. Processor Name:

ACCESSION/TRACK # 8400007/319352

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/3/84 (JED)	C01192 C01195	1	3600	120	54 stations
QUADI/SCAN TAPE	2/3/84 (JED)	22176	1	3600	120	54 stations
ASSIGNED FOR PROCESS.						
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK						
FIRST USER TAPE						
WORK DISK FILE						
FINAL USER TAPE						
FINAL MULCHEK						
EDITED DISK FILE						
DATA SET "FINALIZED"						

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8400004

TRACK NO(s):
Ref. # 319352

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	CO11927 CO1195	NL	120	3600	9-tr 1600BPI EBCDIC	one file
Duplicate	22176	SL	120	3600	9-tr 1600BPI ASCII	one file *
Reformatted						
First User						
Final User						
* Label = DNOD * 84NODC 005						

B:4:07

ACCESSION
NUMBER

8400004

Ref #319353-6

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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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 R/E/PM 7602 SANDPOINT Way N.W., Bldg 3 BETHESDA SEASIDE, WA. 98155-6076			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED LONG RANGE EFFECTS Project		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT LRERP 83 File W83337	
4. PLATFORM NAME(S) NOAA Ship McArthur	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR U.S. U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 3/21/83 4/27/83
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. David Fashinski (206) 527-6781			

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
Pressure	db	Plessey-91041 CTD # 5N# 622.7	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	

C. DATA FORMAT

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), 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 David Kachej (206) 527-6783

ADDRESS NOAA/PMEL 7600 Sand Point Way N.W.-Bldg. 3, Seattle, WA. 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <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 <input checked="" type="checkbox"/> NINE <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 checked="" type="checkbox"/> ODD <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>NCAA/PMEL 022 Sharon Wright 2 tapes ; #T2704 1 File 24 records 135 casts #T2705 1 File 16 records 36 casts</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>31000</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

	STRUCTURE MEASURED IN BYTES (No. bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '1'
Station Number	11	5	"		Analogous to NODC Station Number
Text	16	100	"	100A1	Additional pertinent information
Sequence Number	116	5	"	I5	Ascending numeric, used for sorting
MASTER RECORD (Required Thru Bytes 59)					Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Station 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'
Cruise Identification	31	10	"	10A1	Originator Cruise Identification
Number of Scans	41	5	"	I5	Number of scans in a 'station'. (There are five scans per record type '3')
Year	46	2	"	I2	Last two digits of year
Month	48	2	"	I2	1-12
Day	50	2	"	I2	1-31
Hour	52	2	"	I2	0-23
Minutes	54	2	"	I2	0-59
Depth Interval Indicator	56	1	"	I1	'0' equals unequally spaced depths
Depth Interval	57	3	"	I3	'1' equals equal spaced depths When above equals '1', the depth interval, to tenths of meters reported
Barometric pressure	60	5	"	I5	Millibars To tenths

	(0.1, 1.0, 10.0, 100.0)	NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	I4	Degrees C To tenths
Dry bulb temperature	69	4	"	I4	Degrees C To tenths
Wind direction	73	2	"	I2	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WHO 4501
Sea State Code	78	1	"	I1	WHO 3700
Visibility Code	79	1	"	I1	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	I1	WHO 2700
Instrument Information	82	20	"	20A1	Type and Serial Number
Location Name	102	6	"	A6	OCSEP Internal Location Code
Depth to bottom	108	5	"	I5	To whole meters
Maximum depth of cast	113	4	"	I4	To whole meters
Blank	117	4	"	4X	

	DETAIL	RECORD	(Required)		Date: 10/15/75
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always ' 6
Cast Number	11	5	"	I1	Analogous to NODC Station Number
Depth	16	5	"	I5	db to Tenths)
Temperature	21	5	"	I5	Deg. C to Thousandths)
Salinity	26	5	"	I5	P.P.T. to Thousandths) SCAN DATA
Signature	31	4	"	I4	To hundredths)
Scan Condition Code	35	1	"	A1	Code describing how data arrived at)
SCAN DATA	36	4(20)	"	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	"	I5	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 (✓)	
Plessey 9041 SN 6227	2/83		NOIC	6 mo.					

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession 18400004

1) **File Type:** C022

2) Project Ident.:

3) ^{Ref.} ~~Truck~~ No.: 319353-6

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Kruger

Correction Completed (check)

III. Processor Name: _____

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8400004

Ref.
TRACK NO(s): 319353-6

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	T02705 T02704	NL	120	3600	9-tr 1600 BPI EBCDIC	4 files
Duplicate	22175	SL	120	3600	9-tr 1600 BPI ASCII	4 files X
Reformatted						
First User						
Final User						
Label = D NOD * 84 NODC 005						

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
IGNATOR TAPE	2/3/84	9100	T02705 T02704	4	3600	120	221 stations
ADI/SCAN TAPE	2/3/84	9100	22175	4	3600	120	221 stations
DESIGNED FOR PROCESS.							
OF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8400004	F022	TT1156	9999	313F	31DS	1983/05/13	RP3DI83/	148097
8400004	C022	319352	9999	313F	31DS	1983/05/13	TT1156	148098
8400004	F022	TT1157	9999	313F	31M4	1983/03/21	LRERP83/	148099
8400004	C022	319353	9999	313F	31M4	1983/03/21	TT1157	148100
8400004	F022	TT1158	9999	313F	31M4	1981/04/13	LRERP83/	148101
8400004	C022	319354	9999	313F	31M4	1983/04/13	TT1158	148102
8400004	F022	TT1155	0082	313F	31OC	1980/07/26	RP9-OC-8	148095
8400004	C022	319351	0082	313F	31OC	1980/07/26	TT1155	148096

(8 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
8400004	F022	TT1156	31DS	54	8551	83/05/13	83/05/22
8400004	C022	319352	31DS	54	94	83/05/13	83/05/22
8400004	F022	TT1157	31M4	221	3328	83/03/21	83/03/24
8400004	C022	319353	31M4	221	86	83/03/21	83/03/24
8400004	F022	TT1158	31M4	221	4707	81/04/13	83/04/27
8400004	C022	319354	31M4	221	135	83/04/13	83/04/27
8400004	F022	TT1155	31OC	26	1767	80/07/26	80/07/28
8400004	C022	319351	31OC	26	31	80/07/26	80/07/28

(8 rows affected)