

ACCESSION  
NUMBER

8300145

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

## DATA DOCUMENTATION FORM

Ref. # 319319 C022

DDF 13:4:02

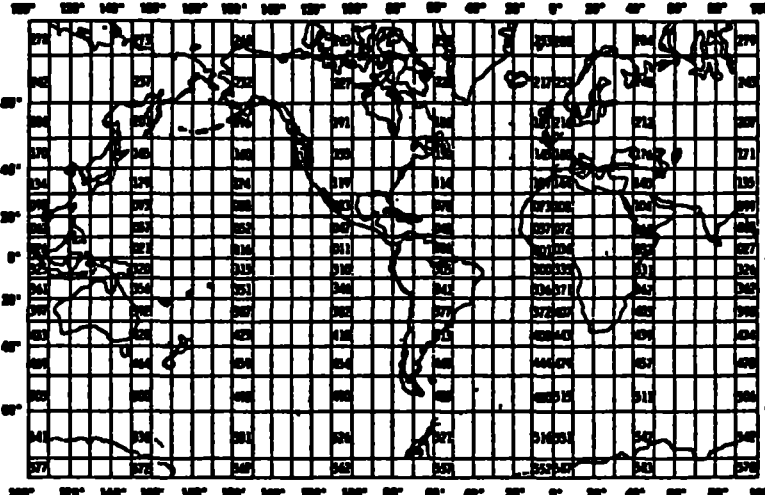
TT1085 F022

(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 PMEL/NOAA 7600 SANDPOINT WY NW/Bldg.#3 Seattle, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Puget Sound (Long Range Effects)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT LRERP 80-2 File Id = W83242	
4. PLATFORM NAME(S) University of Washington RV: ONAR	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 11/21/80 11/22/80
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 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</i> CTD # 9400 SN = 1014	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  
ADDRESS NOAA/PMEL 3711-15th Ave. N.E. - Seattle, WA. 98115  
7600 Sandpoint way NW

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 checked="" 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 LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <u>NOAA/PMEL 022 Sharon Wright</u> <u>10 casts processed</u> <u>15 physical records</u> <u>LRER 80-2</u> <u>File Id = W83242</u> <u>9TB 1600 BPI UNLABELED, ODD parity</u></p>
<p>8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 356 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>

	IN Bytes (No. of Bytes)	NUMBER	UNITS	
File Type	1	3	Bytes	A3
File Identification	4	6	"	
Record Type	10	1	"	I1
Cast 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
Cast 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

Date: 10/15/75

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

	65	4	Bytes	I4	Degrees C To tenths
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
Signature	31	4	"	I4	SCAN DATA To hundredths
Scan Condition Code	35	1	"	A1	Code describing how data arrived at
SCAN DATA Sequence Number	36	4(20)	"	4(3I5,I4,A1)	Repetition of above
	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 CTD# 9400 SN#1014	10/79		NOIC	6 mo.					

**SUBJECT: Error Correction in Processing of Data Set - Accession #8300145**

1) File Type: C022

2) Project Ident.:                     

3) <sup>Ref.</sup> Truck Nos.: 319319

**I. Error Corrections as reported to Principal Investigator:**

**Error** . .

Correction Completed (Check)

## II. Additional error corrections:

Erreuer

Correction Completed (check)

III. Processor Name: \_\_\_\_\_

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/28/83	(JBR)	T00898	1	3600	120	
ADJADI/SCAN TAPE	10/28/83	(JBR)	22119	1	3600	120	
ASSIGNED FOR PROCESS.							
OF EVALUATION							
QUALITY REVIEW							
RELIMINARY DATA SORT							
RELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
WORK DISK FILE							
DATA SET "FINALIZED"							



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

Ref.  
SESSION/TRACK NO.: 8300145/319319

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
GENERATOR	T00898	NL	120	3600	9-tr 1600 BPI EBCDIC	one file	
DUPLICATE	22119	SL	120	3600	9-tr 1600 BPI ASCII	one file *	
FORMATTED							
FIRST SER							
FINAL SER							
FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
UNITED DISK FILE							

\* Label = DNOD \* 83NODC 696-01

8300145

NAHSEN REF. #

319319

MULDARS TRACK #

TT1085

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (T.T1085)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

8360145

NAHSEN REF. #

319320

MULDARS TRACK #

TT1086

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TT1086)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

Parameter quality indicators were applied to 1 station

NOF 6:4:02

## DATA DOCUMENTATION FORM

Ref. #319320

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-R2631  
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.)

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## A. ORIGINATOR IDENTIFICATION

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED PMEL/NOAA 7600 Sandpoint Wy. NW/Bldg. #3 Seattle, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Puget Sound (Long Range Effects)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT LRERP. 81-1 File Id = W83243	
4. PLATFORM NAME(S) University of Washington RV: ONAR	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 2/5/81 2/6/81
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>Pressure</i> CTD # 9400 SN=1014	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.

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 Sandpoint Wy NW

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 checked="" 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>10 casts processed no cast #3</u> <u>16 physical records</u> <u>LRER 81-1</u> <u>File Id - W83243</u> <u>9TR 1/2" BPT. UNLABELED, odd parity</u></p>
<p>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"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u></p> <p>13. LENGTH OF BYTES IN BITS <u>6</u></p>

	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'
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

	(U.S. Units, Bytes)				
Wet bulb temperature	65	4	Bytes	14	Degrees C To tenths
Dry bulb temperature	69	4	"	14	Degrees C To tenths
Wind direction	73	2	"	12	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	12	Whole knots and 0877
Weather Code	77	1	"	11	WHO 4501
Sea State Code	78	1	"	11	WHO 3700
Visibility Code	79	1	"	11	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	11	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	"	15	To whole meters
Maximum depth of cast	113	4	"	14	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	"	11	Always '6
Cast Number	11	5	"	11	Analogous to NODC Station Number
Depth	16	5	"	15	db to Tenths )
Temperature	21	5	"	15	Deg. C to Thousandths)
Salinity	26	5	"	15	P.P.T. to Thousandths) SCAN DATA
Sigma-t	31	4	"	14	To hundredths )
Scan Condition Code	35	1	"	A1	Code describing how data arrived at )
SCAN DATA	36	4(20)	"	4(315,14,A1)	Repetition of above
Sequence Number	116	5	"	15	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.**

[illegible]

TO: OC 12

FROM: OC13

**SUBJECT: Error Correction in Processing of Data Set - Accession 18300145**

1) File Type: CØ22

2) Project Ident.: \_\_\_\_\_.

3) Truck Nos.: **319320**

## Error

**Correction Completed (Check)**

## Erreuer

**Correction Completed (check)**

III. Processor Name: \_\_\_\_\_

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/28/83	<del>JBP</del>	T00899	1	3600	120	
ADI/SCAN TAPE	10/28/83	<del>JBP</del>	22120	1	3600	120	
ASSIGNED 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"							

## TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

 Ref  
 SECTION/TRACK NO.: 8300145/319320

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T00899	NL	120	3600	9-Tr 1600 BPI EBCDIC	one file	
DUPLICATE	22120	SL	120	3600	9-Tr 1600 BPI ASCII	one file *	
REFORMATTED							
FIRST USER							
FINAL USER							
WORK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

\* Label = DNO D\*83 NODC 696-02

8300145

NAHSEN REF. #

319321

MULDARS TRACK #

TT/1087

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF F022 SOURCE

Archives (TT/1087)

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

None

## DATA DOCUMENTATION FORM

Ref # 319321

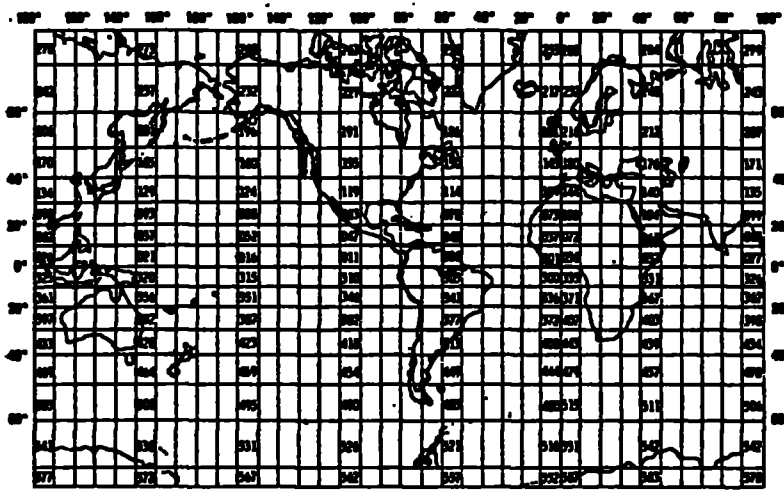
NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
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WASHINGTON, DC 20238FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED <i>PMEL /NOAA 7600 Sandpoint Wy. NW /Bldg # 3 Seattle, WA. 98115</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>Puget Sound (Long Range Effects)</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>LRERP 81-2 File Id = W83244</i>									
4. PLATFORM NAME(S) <i>University of Washington R/V: ONAR</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td><i>U.S.</i></td><td><i>U.S.</i></td><td><i>4/30/81</i></td><td><i>5/1/81</i></td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>U.S.</i>	<i>U.S.</i>	<i>4/30/81</i>	<i>5/1/81</i>
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
<i>U.S.</i>	<i>U.S.</i>	<i>4/30/81</i>	<i>5/1/81</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>Mr. David Pashinski (206) 527-6781</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
Pressure	db	<i>Plessey</i> CTD # <i>9400 SN=1014</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 <sup>527-6783</sup>  
ADDRESS NOAA/PMEL 3711 15th Ave. N.E. - Seattle, WA.  
7600 Sandpoint Wy NW

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 checked="" 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 Sharon Wright</u> <u>10 casts processed no. cast #8</u> <u>16 physical records</u> <u>LRERD 81-2</u> <u>File Id = W83244</u> <u>9TR, 1600 RPI, UNLABELED, odd parity</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>



RECORD IN BYTES		NUMBER	UNITS		
File Type	1				
File Identification	4	6	"		Always '022'
Record Type	10	1	"	11	Always '1'
Cast Number	11	5	"		Analogous to NODC Station Number
Latitude	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'
Cast 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
Month	48	2	"	12	1-12
Day	50	2	"	12	1-31
Hour	52	2	"	12	0-23
Minutes	54	2	"	12	0-59
Depth Interval Indicator	56	1	"	11	'0' equals unequally spaced depths
Depth Interval	57	3	"	13	'1' equals equal spaced depths
Barometric pressure	60	5	"	15	When above equals '1', the depth interval, to tenths of meters reported

RECORDED IN Bytes		NUMBER	UNITS		
(p. 2, b. 1, b. 1-4)					
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
Barometric pressure	60	5	"	I5	When above equals '1', the depth interval, to tenths of meters reported
					Millibars
					To tenths

	(U.S. 1/10, Bytes)		Bytes		
Wet bulb temperature	65	4	Bytes	14	Degrees C To tenths
Dry bulb temperature	69	4	"	14	Degrees C To tenths
Wind direction	73	2	"	12	Tens of degrees WHO Codes 0855 and 0877
Wind speed	75	2	"	12	Whole knots
Weather Code	77	1	"	11	WHO 4501
Sea State Code	78	1	"	11	WHO 3700
Visibility Code	79	1	"	11	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	11	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	"	15	To whole meters
Maximum depth of cast	113	4	"	14	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	"	11	Always '6'
Cast Number	11	5	"	11	Analogous to MODC Station Number
Depth	16	5	"	15	db to Tenths )
Temperature	21	5	"	15	Deg. C to Thousandths )
Salinity	26	5	"	15	P.P.T. to Thousandths )
Signature	31	4	"	14	To hundredths )
Scan Condition Code	35	1	"	A1	Code describing how data arrived at )
SCAN DATA	36	4(20)	"	4(315,14,A1)	Repetition of above
Sequence Number	116	5	"	15	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.**

[illegible]

TO: OC12

FROM: DC13

**SUBJECT: Error Correction in Processing of Data Set - Accession / F300145**

1) File Type: C022

2) Project Ident.: \_\_\_\_\_

3) Truck Nos.: 3193 21

**I. Error Corrections as reported to Principal Investigator:**

## Error

**Correction Completed (Check)**

## II. Additional error corrections:

**Erre**

Correction Completed (check)

III. Processor Name: \_\_\_\_\_

ACCESSION/TRACK # <sup>R-1</sup> 8300145/319321

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	<i>JEP</i>	T03584	1	3600	120	
QUAD/SCAN TAPE	<i>JEP</i>	22121	1	3600	120	
ASSIGNED FOR PROCESS.						
PDF 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)

Ref  
SESSION/TRACK NO.: 8300145/319321

NAME OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T03584	NL	120	3600	9-TL 1600 BPI EBCDIC	one file	
DUPLICATE	22121	SL	120	3600	9-TL 1600 BPI ASCII	one file X	
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

X Label = DNOD\*83 NODC696-03..

8300145

NANSEN REF. #

319322

MULDARS TRACK #

TT.1088

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (T.T.1088)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None



ACCESSION  
NUMBER

8300145

## DATA DOCUMENTATION FORM

Ref. # 319322

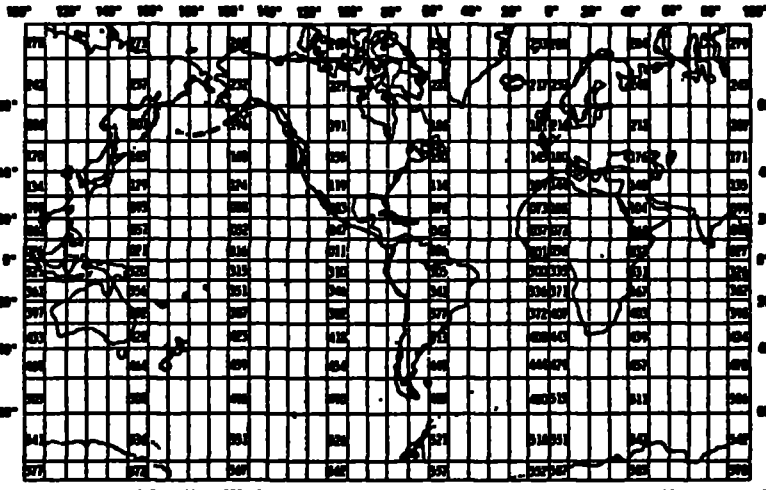
NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

(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>PMEL/NOAA</i> <i>7600 Sandpoint Wy. N.W. / Bldg #3</i> <i>Seattle, WA. 98115</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>August Sound</i> <i>(Long Range Effects)</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>LRERP 81-3</i> <i>File Id = 83244B</i>	
4. PLATFORM NAME(S) <i>University of Washington</i> <i>R/V: ONAR</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR <i>U.S. U.S.</i>	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR <i>7/16/81 7/17/81</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>Mr. David Pashinski</i> <i>(206) 527-6781</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
Pressure	db	<i>Plessey</i> CTD # 9400 SN 1014	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 <sup>527-6783</sup>  
ADDRESS NOAA/PMEL 3711 15th Ave. N.E. - Seattle, WA. 98115  
7600 Sandpoint Way N.W.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<b>5. RECORDING MODE</b> <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____	
<b>6. NUMBER OF TRACKS (CHANNELS)</b> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<b>10. END OF FILE MARK</b> <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____	
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b> <u>NOAA/PMEL 022 Sharon Wright</u> <u>11 casts processed no cast #8</u> <u>17 physical records</u> <u>LRERF 81-3</u> <u>File Id = 83244B</u> <u>9TR/1600 BPI, UNLABELED, odd parity</u>	
<b>8. DENSITY</b> <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____		<b>12. PHYSICAL BLOCK LENGTH IN BYTES</b> <u>3600</u>
		<b>13. LENGTH OF BYTES IN BITS</b> <u>6</u>

	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'
Cast Number	11	5	"		Analogous to NODC Station Number
Text	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'
Cast 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)
Month	48	2	"	12	1-12
Day	50	2	"	12	1-31
Hour	52	2	"	12	0-23
Minutes	54	2	"	12	0-59
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

		(Orig. Ltr. Bytes)					
Wet bulb temperature	65	4	Bytes	14	Degrees C To tenths		
Dry bulb temperature	69	4	"	14	Degrees C To tenths		
Wind direction	73	2	"	12	Tens of degrees	WMO Codes 0855	
Wind speed	75	2	"	12	Whole knots	and 0877	
Weather Code	77	1	"	11	WMO 4501		
Sea State Code	78	1	"	11	WMO 3700		
Visibility Code	79	1	"	11	WMO 4300		
Cloud Type Code	80	1	"	A1	WMO 0500		
Cloud Amount Code	81	1	"	11	WMO 2700		
Instrument Information	82	20	"	20A1	Type and Serial Number		
Location Name	102	6	"	A6	OCSEP Internal Location Code		
Depth to bottom	108	5	"	15	To whole meters		
Maximum depth of cast	113	4	"	14	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	"	11	Always '6'		
Cast Number	11	5	"	11	Analogous to WODC Station Number		
Depth	16	5	"	15	db to Tenths )		
Temperature	21	5	"	15	Deg. C to Thousandths )		
Salinity	26	5	"	15	P.P.T. to Thousandths )	SCAN DATA	
Signature	31	4	"	14	To hundredths )		
Scan Condition Code	35	1	"	A1	Code describing how data arrived at )		
SCAN DATA Sequence Number	36	4(20)	"	4(315,14,A1)	Repetition of above		
	116	5	"	15	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 CTD# 9400 SN 1014</i>	<i>12/80</i>		<i>NOIC</i>	<i>6 mo.</i>					

TO: OC12

FROM: DC13

**SUBJECT: Error Correction in Processing of Data Set - Accession 18300/45**

1) File Type: C022

2) Project Ident.: \_\_\_\_\_

3) Truck Nos.: 319322

## Error

**Correction Completed (Check)**

## Error

**Correction Completed (check)**

III. Processor Name: \_\_\_\_\_

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
GINATOR TAPE	(JRP)	T03585	1	3600	120	
DI/SCAN TAPE	(JRP)	22122	1	3600	120	
SIGNED FOR PROCESS.						
EVALUATION						
ALITY REVIEW						
ELIMINARY DATA SORT						
ELIMINARY MULCHEK						
RST USER TAPE						
RK DISK FILE						
NAL USER TAPE						
NAL MULCHEK						
TLD DISK FILE						
TA SET "FINALIZED"						



## TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

Ref  
 CFSSION/TRACK NO.: 8300145/319322

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T03585	NL	120	3600	9-Tr 1600 BPI EBCDIC	one file	
DUPLICATE	22122	SL	120	3600	9-Tr 1600 BPI ASCII	one file *	
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

\* Label = DNOB \* 83 NODC 696-04.

8300145

NANSEN REF. #

319323

MULDARS TRACK #

TT1089

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TT1089)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

ACCESSION  
NUMBER

8300145

B:4:02

## DATA DOCUMENTATION FORM

Ref. #319323

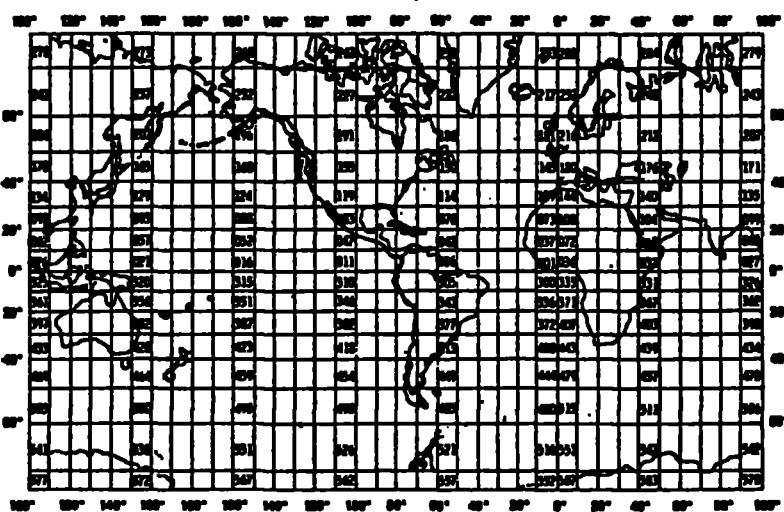
NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2631  
EXPIRES 1-81

(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 FIMEL/NOAA 7600 Sandpoint Wy N.W. / Bldg. #3 Seattle, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Puget Sound (Long Range Effects)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT LRERP 81-4 File Id = 83244A	
4. PLATFORM NAME(S) NOAA Ship Miller Freeman	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 8/25/81 9/1/81
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 Pushinski (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</i> CTD # 9041 SN 6233	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:**

527-6783

NAME AND PHONE NUMBER David Kachel (206) 442-1960  
ADDRESS NOAA/PMEL 3711-15th Ave. N.E. - Seattle, WA. 98115  
7610 Sandpoint Wy. N.W.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p><b>5. RECORDING MODE</b></p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY  <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____</p>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <p><input type="checkbox"/> SEVEN  <input checked="" type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p><b>10. END OF FILE MARK</b></p> <p><input checked="" type="checkbox"/> OCTAL 17 ..  <input type="checkbox"/> _____</p>
<p><b>7. PARITY</b></p> <p><input checked="" type="checkbox"/> ODD  <input type="checkbox"/> EVEN</p>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p><i>NOAA/PMEL 022 Sharon Wright</i>  <i>54 casts processed no casts 1-43</i>  <i>68 physical records</i>  <i>LRER 81-4</i>  <i>File Id = 80244A</i>  <i>978/1600 BPT. UNLABELED, odd parity</i></p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI  <input type="checkbox"/> 356 BPI  <input type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p style="text-align: center;">3600</p> <p><b>13. LENGTH OF BYTES IN BITS</b></p> <p style="text-align: center;">6</p>

	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'
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					'0' equals unequally spaced depths
Indicator	56	1	"	I1	'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

Wet bulb temperature	65	4	Bytes	14	Degrees C To tenths
Dry bulb temperature	69	4	"	14	Degrees C To tenths
Wind direction	73	2	"	12	Tens of degrees WHO Codes 0855 and 0877
Wind speed	75	2	"	12	Whole knots
Weather Code	77	1	"	11	WHO 4501
Sea State Code	78	1	"	11	WHO 3700
Visibility Code	79	1	"	11	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	11	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	"	15	To whole meters
Maximum depth of cast	113	4	"	14	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	"	11	Always '6'
Cast Number	11	5	"	11	Analogous to MODC Station Number (db to Tenths)
Depth	16	5	"	15	Deg. C to Thousandths)
Temperature	21	5	"	15	P.P.T. to Thousandths) SCAN DATA
Salinity	26	5	"	15	To hundredths
Sigma-t	31	4	"	14	
Scan Condition Code	35	1	"	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	"	4(315,14,A1)	Repetition of above
Sequence Number	116	5	"	15	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.**

[illegible]



**DATE:**

TO: DC12

FROM: OC13

**SUBJECT: Error Correction in Processing of Data Set - Accession 18300/45**

1) File Type: Cp22

2) Project Ident.: \_\_\_\_\_

3) Track No.: 319323

**I. Error Corrections as reported to Principal Investigator:**

## Error

**Correction Completed (Check)**

## II. Additional error corrections:

Krner

Correction Completed (check)

III. Processor Name: \_\_\_\_\_

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/30/83 <del>JBP</del>	T03192	1	3600	120	
QUADI/SCAN TAPE	10/30/83 <del>JBP</del>	22123	1	3600	120	
ASSIGNED FOR PROCESS.						
DOF 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"						

(MRL) 11/6/78

(Rev. 11/80)

Ref.  
SESSION/TRACK NO.: F300145/319323

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T03192	NL	120	3600	9-tr 1600BPI EBCDIC	one file	
DUPLICATE	22123	SL	120	3600	9-tr 1600BPI ASCII	one file *	
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

\* Label = DNOD \* 83NODC696-05.

8300145

NANSEN REF. #

319324

MULDARS TRACK #

TT1090

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TT1090)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

*Salinity quality indicator was applied to one station*

ACCESSION  
NUMBER

8300145

B: 4:02

## DATA DOCUMENTATION FORM

Ref. # 319324

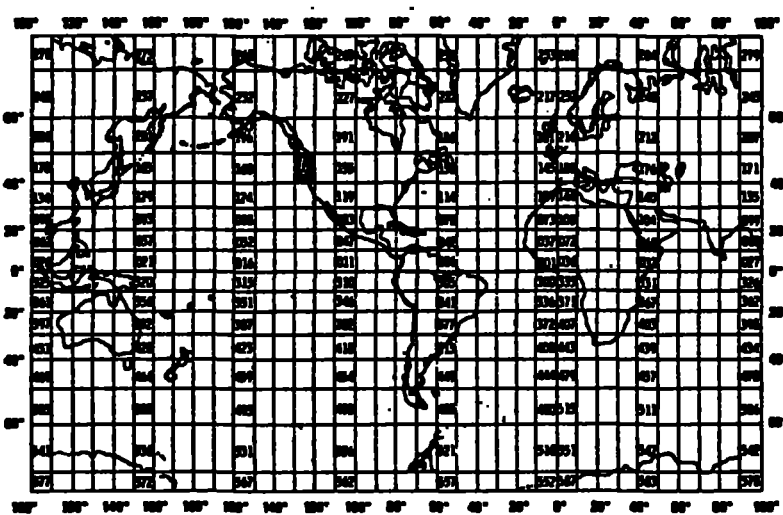
NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED PMEL / NOAA. 7600 Sandpoint Wy NW / Bldg #3 Seattle, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Puget Sound (Long Range Effects)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT LRERP 81-5 File Id = W83249	
4. PLATFORM NAME(S) University of Washington RV: ONAR	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 11/3/81 11/5/81
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</i> CTD # 9400 SN 1014	NA	{ values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	‰	"	computed from conductivity	
<div>Please note that <sup>for</sup> Cast # 2 &amp; # 4, have the header showing the month should <sup>have</sup> been <u>NOVEMBER</u>. Please correct these for archiving.</div>				

# 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 Sandpoint Wy NW

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 checked="" 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>9 casts processed</u> <u>15 physical records</u> <u>LRER 81-5</u> <u>File Id = W83249</u> <u>QTR. 1600 BPI, UNLABELED</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> 13. LENGTH OF BYTES IN BITS <u>6</u></p>

	MEASUREMENT IN BYTES (No. bits, bytes)	NUMBER	UNITS	
File Type	1	3	Bytes	A3
File Identification	4	6	"	
Record Type	10	1	"	11
Station Number	11	5	"	
Text	16	100	"	100A1
Sequence Number	116	5	"	15
Always '022'				
Always '1'				
Analogous to NODC Station Number				
Additional pertinent information				
Ascending numeric, used for sorting				
Date: 10/15/75				
MASTER RECORD (Required Thru Bytes 59)				
File Type	1	3	Bytes	A3
File Identification	4	6	"	
Record Type	10	1	"	11
Station Number	11	5	"	
Latitude,				
Degrees	16	2	"	12
Minutes	18	2	"	12
Hundredths of				
Minutes	20	2	"	12
Hemisphere	22	1	"	A1
Longitude,				
Degrees	23	3	"	13
Minutes	26	2	"	12
Hundredths of				
Minutes	28	2	"	12
Hemisphere	30	1	"	A1
Cruise Identification	31	10	"	10A1
Number of Scans	41	5	"	15
Year	46	2	"	12
Month	48	2	"	12
Day	50	2	"	12
Hour	52	2	"	12
Minutes	54	2	"	12
Depth Interval				
Indicator	56	1	"	11
Depth Interval	57	3	"	13
Barometric pressure	60	5	"	15
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				



Wet bulb temperature	65	4	Bytes	14	Degrees C To tenths
Dry bulb temperature	69	4	"	14	Degrees C To tenths
Wind direction	73	2	"	12	Tens of degrees WHO Codes 0855
Wind speed	75	2	"	12	Whole knots and 0877
Weather Code	77	1	"	11	WHO 4501
Sea State Code	78	1	"	11	WHO 3700
Visibility Code	79	1	"	11	WHO 4300
Cloud Type Code	80	1	"	A1	WHO 0500
Cloud Amount Code	81	1	"	11	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	"	15	To whole meters
Maximum depth of cast	113	4	"	14	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	"	11	Always '6'
Cast Number	11	5	"	11	Analogous to NODC Station Number
Depth	16	5	"	15	db to Tenths )
Temperature	21	5	"	15	Deg. C to Thousandths )
Salinity	26	5	"	15	P.P.T. to Thousandths )
Sigma-t	31	4	"	14	To hundredths )
Scan Condition Code	35	1	"	A1	Code describing how data arrived at )
SCAN DATA	36	4(20)	"	4(315,14,A1)	Repetition of above
Sequence Number	116	5	"	15	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>STD</i> Plessey 9400 SN 1014	<i>12</i> <i>16/80</i>		<i>NOIC</i>	<i>6 mo.</i>					

TO: OC12

FROM: DC 13

**SUBJECT: Error Correction in Processing of Data Set - Accession 18300145**

1) File Type: C022

2) Project Ident.: \_\_\_\_\_

3) Truck Nos.: 319324

## Error

**Correction Completed (Check)**

Errior

Correction Completed (check)

III. Processor Name: \_\_\_\_\_

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/30/83	<del>818P</del>	T03193	1	3600	120	
QUAD/SCAN TAPE	10/30/83	<del>818P</del>	22124	1	3600	120	
ASSIGNED 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"							

## TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

SESSION/TAPE NO.: *8300145/319324*

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	<i>TØ 3193</i>	<i>NL</i>	<i>120</i>	<i>3600</i>	<i>9-t 1600BPI EBCDIC</i>	<i>one file</i>	
DUPLICATE	<i>22124</i>	<i>SL</i>	<i>120</i>	<i>3600</i>	<i>9-t 1600BPI ASCII</i>	<i>one file *</i>	
REFORMATTED							
FIRST USER							
FINAL USER							
SK FILE	<i>DSH</i>					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

\* Label = DNOD\*83NODC696-Ø6

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8300145	F022	TT1085	9999	313F	310A	1980/11/21	LRERP80-	325945
8300145	F022	TT1086	9999	313F	310A	1981/02/05	LRERP81-	325946
8300145	F022	TT1087	9999	313F	310A	1981/04/30	LRERP81-	325947
8300145	F022	TT1088	9999	313F	310A	1981/07/16	LRERP81-	325948
8300145	F022	TT1089	9999	313F	310A	1981/08/28	LRERP81-	325949
8300145	F022	TT1090	9999	313F	310A	1981/11/03	LRERP81-	325950
8300145	C022	319319	9999	313F	310A	1980/11/21	TT1085	325951
8300145	C022	319320	9999	313F	310A	1981/02/05	TT1086	325952
8300145	C022	319321	9999	313F	310A	1981/04/30	TT1087	325953
8300145	C022	319322	9999	313F	310A	1981/07/16	TT1088	325954
8300145	C022	319323	9999	313F	310A	1981/08/28	TT1089	325955
8300145	C022	319324	9999	313F	310A	1981/11/03	TT1090	325956

(12 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8300145	F022	TT1085	310A	10	297	80/11/21	80/11/22
8300145	F022	TT1086	310A	10	316	81/02/05	81/02/06
8300145	F022	TT1087	310A	10	315	81/04/30	81/05/02
8300145	F022	TT1088	310A	11	342	81/07/16	81/07/18
8300145	F022	TT1089	310A	54	1185	81/08/28	81/09/02
8300145	F022	TT1090	310A	9	306	81/11/03	81/11/05
8300145	C022	319319	310A	10	10	80/11/21	80/11/22
8300145	C022	319320	310A	10	10	81/02/05	81/02/06
8300145	C022	319321	310A	10	10	81/04/30	81/05/02
8300145	C022	319322	310A	11	11	81/07/16	81/07/18
8300145	C022	319323	310A	54	54	81/08/28	81/09/02
8300145	C022	319324	310A	9	9	81/11/03	81/11/05

(12 rows affected)