#22136-6		ACCESSION NUMBER	8300146

B;4:03

DATA DOCUMENTATION FORM

TT1091

NOAA FORM 24-13 (4-77)

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

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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 Sandpoint Wy NW/Bldg 3
BINC 15700
Seattle, WA. 98115-0070

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

LRERP (Long Range Effects Program)

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

PS-82
File Id = W83262

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
NOAA Ship McArthur	Ship	U.S.	U.S.	2/12/82	4/28/82

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

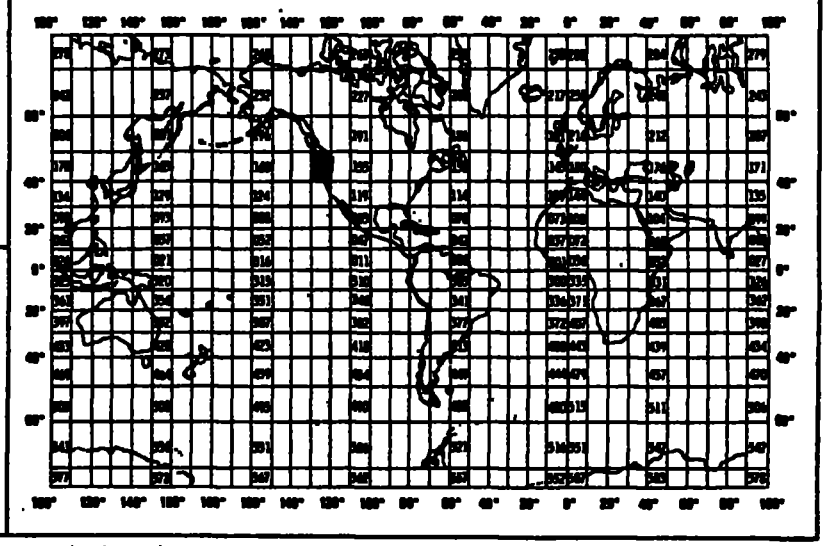
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

Mr. David Pashinski

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

GENERAL AREA



NOAA FORM 24-13

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 CTD #	NA	values averaged
Temperature	°C	"	NA	over 1db
Salinity	°/oo	"	computed from conductivity	intervals
		model 9041 SN 6265		
		" " " 6210		
		" 9040 " 6201		

NOAA FORM 24-13

C. DATA FORMAT

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

RECOR

14. FI

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

5. RECORDING MODE ☒ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)

NOAA/PMEL 022 Sharon Wright
Tape T3200 77-Casts processed
134-physical records
PS-82
File Id = W83262
9TR/1600 BPI, UNLABELED, odd parity

Tape 3201 119 casts 198 records
Tape 3191 60 casts 93 records

12. PHYSICAL BLOCK LENGTH IN BYTES
3600

13. LENGTH OF BYTES IN BITS
6

NOAA FORM 24-13

NOAA F

	FIELD - RECORD IN Bytes (min. 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) GMT
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

	(e.g. 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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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) 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 CALIBRATED
		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 6265	9/81			NOIC	6mo.				
" 9041 SN 6210	2/82			"	"				
" 9040 SN 6201	2/82			"	"				

NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Pacific Marine Environmental Laboratory
NOAA Building Number
7600 Sand Point Way N.E.
Seattle, WA 98115

3 October 1983

To: *Dr. Anthony Picciolo*

From: *Sharon Wright*
PMEL, MARD
Sharon Wright

Subject: *Transmittal of CTD Data to NODC*

Enclosed are six (6) magnetic tapes containing CTD data from the following cruises:

PS-82 (3 tapes)
Commencement Bay 1 (1 tape)
Commencement Bay 2 (1 tape)
Commencement Bay 3 (1 tape)

The tapes are well labeled and should identify the contents. Also included are the DDF's and printouts. If you have any questions regarding the data, please call me at 446-6183 (FTS) or 206-527-6183. Please return the transmittal letter I've enclosed acknowledging receipt of the data. Thank you.

cc: Dr. James D. Ridlon ✓
Dr. Herbert Curl, Jr.
Sid Stillwaugh
David Pashinski

83 NODC 703 - 01/03

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300146

1) File Type: F022

2) Project Ident.: ———

3) Track Nos.: TT1091

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.: 8300146 TRACK NO(s).: TT1091

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	T03200	NL	120	3600	9-tr 1600 BPI EBCDIC	one file
Duplicate	22134	SL	120	3600	9-tr 1600 BPI ASCII	one file *
Reformatted						
First User						
Final User						
* Label = DNOD*83NODC703-01						

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8300146/TT1091

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	JBR	T03200	1	3600	120	
QUADI/SCAN TAPE	10/31/83	JBR	22134	1	3600	120	
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.: 8300146 TRACK NO(s).: TT1091

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	T∅32∅1	NL	120	3600	9-tr 1600 BPI EBCDIC	one file
Duplicate	22135	SL	120	3600	9-tr 1600 BPI ASCII	one file *
Reformatted						
First User						
Final User						
* LABEL=DNOD*83NODC703-∅2						

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8300146/TT1091

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[illegible]	T03201	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[illegible]	22135	1	3600	120	
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 OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

CESSION/TRACK NO.: 8300146/TT1091

OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
RIGINATOR	T03191	NL	120	3600	9-tr 1600BPI EBCDIC	one file	
DUPLICATE	22136	SL	120	3600	9-tr 1600BPI ASCII	one file *	
EFORMATTED							
FIRST USER							
FINAL USER							
ISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
DITED DISK FILE							

* Label = DNOD*83NODC703-03

WORK SET ROUTE SHEET

ACCESSION/TRACK # 8300146/TT1091

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	JBP	T03191	1	3600	120	
QUADI/SCAN TAPE	10/31/83	JBP	22136	1	3600	120	
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"							

T-321-81

ACCESSION NUMBER 8300146

B; 4; 03

DATA DOCUMENTATION FORM

TT1092

NOAA FORM 24-13 (4-77)

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

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

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

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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
7600 Sand Point Way NW/Bldg #3
BINC 15700
Seattle, WA. 98115-0070

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

MESA (Marine Ecosiptems Analysis)

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

Commencement Bay 1
File Id = W83278

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
University of Washington RV: ONAR	Ship	U.S.	U.S.	9/9/80	9/12/80

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

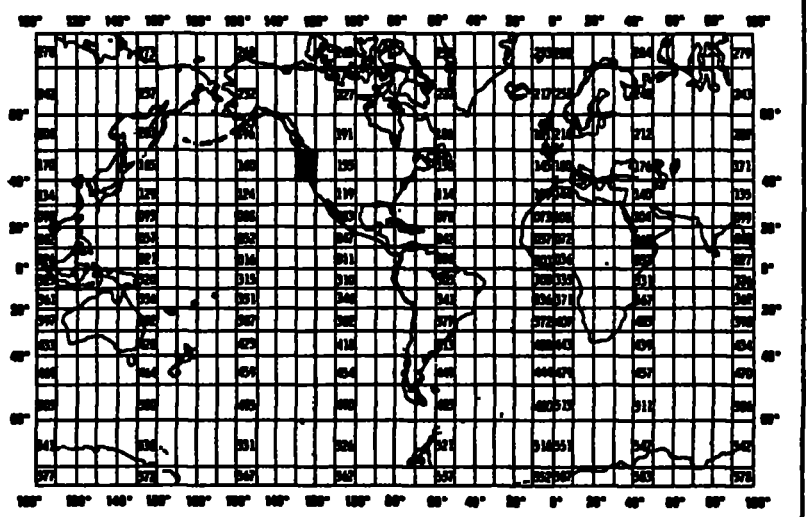
☒ NO ☐ YES ☐ PART *(SPECIFY BELOW)*

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

Mr. David Pashinski
(206) 527-6781

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

GENERAL AREA



NOAA FORM 24-13

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 CTD # 9400 SN1014	NA	values averaged
Temperature	°C	"	NA	over 1db
Salinity	°/oo	"	computed from conductivity	intervals

Please note: The first 5 casts on this tape are duplicates. Please disregard them.

NOAA FORM 24-13

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 NW

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☒ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)

NOAA/PMEL 022 Sharon Wright
39 casts processed
47 physical records
Commencement Bay 1
File Id= W8327Ø
9TR/1600 BPI UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES

3600

13. LENGTH OF BYTES IN BITS

6

NOAA FORM 24-13

	MEASURED IN Bytes (min. blk. byte)	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) GMT
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

USCOMM-DC 44263-P77

	(e.g., 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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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 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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
Plessey 9400 SN 1014	3/80		NOIC	6mo.					

NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Pacific Marine Environmental Laboratory
NOAA Building Number
7600 Sand Point Way N.E.
Seattle, WA 98115

3 October 1983

To: *Dr. Anthony Picciolo*

From: *Sharon Wright*
PMEL, MARD
Sharon Wright

Subject: *Transmittal of CTD Data to NODC*

Enclosed are six (6) magnetic tapes containing CTD data from the following cruises:

PS-82 (3 tapes)
Commencement Bay 1 (1 tape)
Commencement Bay 2 (1 tape)
Commencement Bay 3 (1 tape)

The tapes are well labeled and should identify the contents. Also included are the DDF's and printouts. If you have any questions regarding the data, please call me at 446-6183 (FTS) or 206-527-6183. Please return the transmittal letter I've enclosed acknowledging receipt of the data. Thank you.

cc: Dr. James D. Ridlon ✓
Dr. Herbert Curl, Jr.
Sid Stillwaugh
David Pashinski

83NODC 703-04

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300146

1) File Type: F022

2) Project Ident.: MESA Puget Sound (#0082)

3) Track Nos.: TT1092

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

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

SESSION/TRACK NO.: 8300146/TT1092

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T03199	NL	120	3600	9-tr 1600 BPI EBCDIC	one file	
DUPLICATE	22137	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 = DNOD*83NODC703-04

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8300146/TT1092

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[redacted]	T03199	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[redacted]	22137	1	3600	120	
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"							

#22128

ACCESSION NUMBER 8300146

TT1093

B.4.03

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 20235

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

NOAA/PMEL
R/E/PM
7600 Sandpoint Way NW / Bldg #3
BIN C15700
Seattle, WA. 98115-0070

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

MESA (Marine Eco Systems Analysis)

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

Commencement Bay 2
File Id = W83257

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR
University of Washington RV: HOH	Ship	U.S.	U.S.	11/12/80	11/15/80

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

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

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

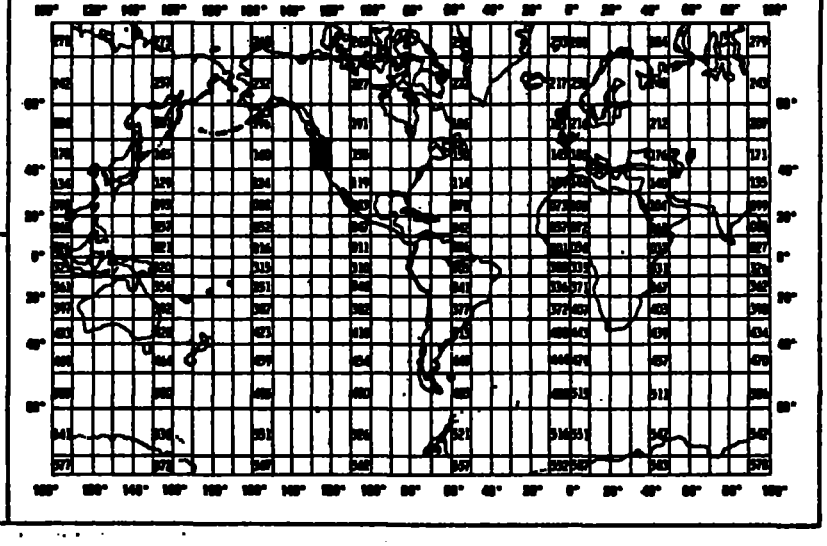
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

Mr. David Pashinski
(206) 527-6781

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

GENERAL AREA



NOAA FORM 24-13

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 CTD # 9400 SN 1014	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	°/oo	"	computed from conductivity	

NOAA FORM 24-13

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

5. RECORDING MODE: ☒ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS): ☐ SEVEN ☒ NINE ☐ _____

7. PARITY: ☒ ODD ☐ EVEN

8. DENSITY: ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN): ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK: ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (*INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER*)

NOAA/PMEL 022 Sharon Wright
41 casts processed
45 physical records
Commencement Bay 2
File Id = W83257
9TR/1600 BPI UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES: 3600

13. LENGTH OF BYTES IN BITS: 6

NOAA FORM 24-13

NAME	POSITION FROM LEFT IN RECORD IN Bytes (e.g., 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) GMT
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

USCOMM-DC 44283-P72

	(e.g., Line, 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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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) 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 CALIBRATED
		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	3/80		Plessey						

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Pacific Marine Environmental Laboratory
NOAA Building Number
7600 Sand Point Way N.E.
Seattle, WA 98115

3 October 1983

To: *Dr. Anthony Picciolo*

From: *Sharon Wright* Sharon Wright
PMEL, MARD

Subject: *Transmittal of CTD Data to NODC*

Enclosed are six (6) magnetic tapes containing CTD data from the following cruises:

PS-82 (3 tapes)
Commencement Bay 1 (1 tape)
Commencement Bay 2 (1 tape)
Commencement Bay 3 (1 tape)

The tapes are well labeled and should identify the contents. Also included are the DDF's and printouts. If you have any questions regarding the data, please call me at 446-6183 (FTS) or 206-527-6183. Please return the transmittal letter I've enclosed acknowledging receipt of the data. Thank you.

cc: Dr. James D. Ridlon ✓
Dr. Herbert Curl, Jr.
Sid Stillwaugh
David Pashinski

83NODC 703-05

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300144

1) File Type: F022

2) Project Ident.: MESA Puget Sound (#0082)

3) Track Nos.: TT1093

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

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

CESSION/TRACK NO.: 8300146/TT1093

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	TØ3197	NL	120	3600	9-tr 1600 BPI EBCDIC	one file	
DUPLICATE	22138	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 = DNOD*83NODC7Ø3-Ø5

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8300146/TT1093

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[illegible]	T03197	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[illegible]	22138	1	3600	120	
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"							

		ACCESSION NUMBER	8300146

B:4:03

TT1094

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 20235

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

NOAA/PMEL
R/E/PM
7600 Sandpoint Way NW/ Bldg#3
BINC 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

Commencement Bay 3
File Id = W83258

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
3/23/81	4/3/81

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR___ MONTH___

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

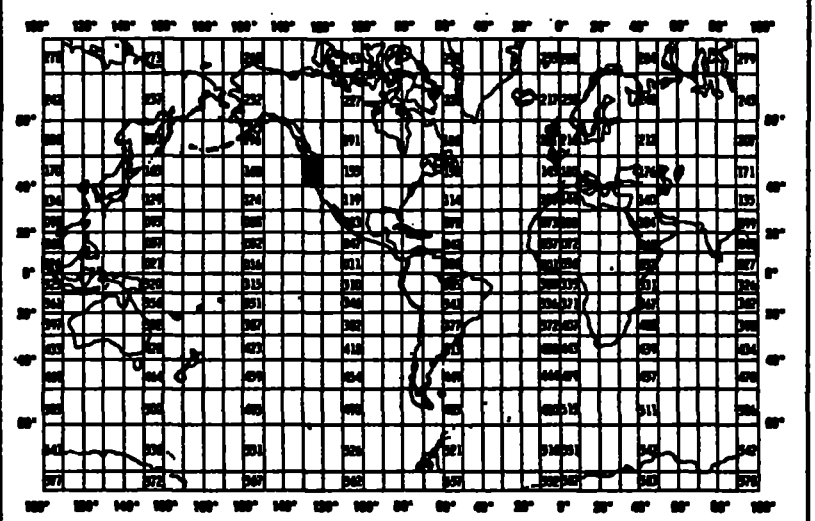
☒ NO ☐ YES ☐ PART *(SPECIFY BELOW)*

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

Mr. David Pashinski
(206) 527-6781

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

GENERAL AREA



NOAA FORM 24-13

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 CTD # 9400 SN 1014	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	°/oo	"	computed from conductivity	

NOAA FORM 24-13

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 NW

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☐ ASCII ☒ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

NOAA/PMEL 022 Sharon Wright
105 casts processed
140 physical records
Commencement Bay 3
File Id = W83258
9TR/1600 BPI UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES 3600

13. LENGTH OF BYTES IN BITS 6

NOAA FORM 24-13

	LOCATION IN RECORD Bytes (first, last)	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) GMT
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

	(w.d., 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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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) 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 CALIBRATED
		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 SN1014	12/80		NOIC	6mo.					

NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Pacific Marine Environmental Laboratory
NOAA Building Number
7600 Sand Point Way N.E.
Seattle, WA 98115

3 October 1983

To: Dr. Anthony Picciolo

From: Sharon Wright
PMEL, MARD

Subject: Transmittal of CTD Data to NODC

Enclosed are six (6) magnetic tapes containing CTD data from the following cruises:

PS-82 (3 tapes)
Commencement Bay 1 (1 tape)
Commencement Bay 2 (1 tape)
Commencement Bay 3 (1 tape)

The tapes are well labeled and should identify the contents. Also included are the DDF's and printouts. If you have any questions regarding the data, please call me at 446-6183 (FTS) or 206-527-6183. Please return the transmittal letter I've enclosed acknowledging receipt of the data. Thank you.

cc: Dr. James D. Ridlon ✓
Dr. Herbert Curl, Jr.
Sid Stillwaugh
David Pashinski

83 NODC 703 - 06

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300146

1) File Type: F022

2) Project Ident.: MESA Puget Sound (*0082)

3) Track Nos.: TT1094

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

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

CESSION/TRACK NO.: 8300146/TT1094

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T03198	NL	120	3600	9-tr 1600 BPI EBCDIC	one file	
DUPLICATE	22139	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 = DNOD*83 NODC 703-06

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8300146/TT1094

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[illegible]	T03198	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[illegible]	22139	1	3600	120	
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"							

#22134-6

ACCESSION NUMBER 8300146

DOF's #B:4:03

DATA DOCUMENTATION FORM

Ref. #319325

NOAA FORM 24-13 (4-77)

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

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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 Sandpoint Wy NW/Bldg 3
BINC 15700
Seattle, WA. 98115-0070

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

LRERP (Long Range Effects Program).

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

PS-82
File Id = W83262

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
NOAA Ship McArthur	Ship	U.S.	U.S.	2/12/82	4/28/82

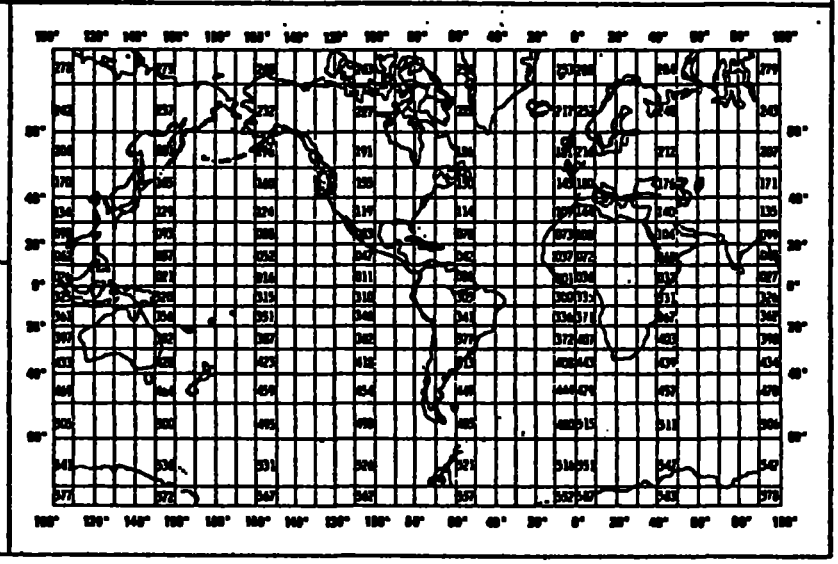
8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

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

GENERAL AREA



9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

Mr. David Pashinski

NOAA FORM 24-13

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 CTD #	NA	values averaged
Temperature	°C	"	NA	over 1db
Salinity	°/₀₀	"	computed from conductivity	intervals
		model 9041 SN 6265		
		" " " 6210		
		" 9040 " 6201		

NOAA FORM 24-13

C. DATA FORMAT

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

RECO

14. F

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

5. RECORDING MODE ☒ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
NOAA/PMEL 022 Sharon Wright
Tape T3260 77-Casts processed 134-physical records
Tape 3201 119 casts 198 records
Tape 3191 60 casts 93 records
PS-82
File Id = W83262
9TR/1600 BPI, UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES
3600

13. LENGTH OF BYTES IN BITS
6

NOAA FORM 24-13

NOAA

	MEASURED IN Bytes (e.g., 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 GMT
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

	(b.f. Elt. byte)	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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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) 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 CALIBRATED
		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 6265	9/81			NOIC	6mo.				
" 9041 SN 6210	2/82			"	"				
" 9040 SN 6201	2/82			"	"				

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300146

1) File Type: C022

2) Project Ident.: ———

3) ~~Track~~ Ref. Nos.: 319325

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.: 8300146 Ref. NO(s).: 319325

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	T03200	NL	120	3600	9-tr 1600 BPI EBCDIC	one file
Duplicate	22134	SL	120	3600	9-tr 1600 BPI ASCII	one file *
Reformatted						
First User						
Final User						

* Label = DNOD*83NODC703-01

DATA SET ROUTE SHEET

ACCESSION/~~TRACK~~ # 8300146/319325

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[illegible]	T03200	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[illegible]	22134	1	3600	120	
ASSIGNED FOR PROCESS.							
SDF 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.: 8300146 Ref. ~~TRACK~~ NO(s).: 319325

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	T0321	NL	120	3600	9-tr 1600 BPI EBCDIC	one file
Duplicate	22135	SL	120	3600	9-tr 1600 BPI ASCII	one file *
Reformatted						
First User						
Final User						
*LABEL=DNOD*83NODC703-02						

ACCESSION/~~TRACK~~ Rel # 8300146/319325

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[illegible]	T03201	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[illegible]	22135	1	3600	120	
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 OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

Ref.
ESSION/~~TRACK~~ NO.: 8300146/319325

OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
IGINATOR	T03191	NL	120	3600	9-tr 1600BPI EBCDIC	one file	
UPLICATE	22136	SL	120	3600	9-tr 1600BPI ASCII	one file *	
FORMATTED							
FIRST USER							
FINAL USER							

SK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
ITED ISK ILE							

* Label = DNOD*83NODC703-03

ACCESSION/~~TRACK~~ Ref. # 8300146/319325

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	[illegible]	T03191	1	3600	120	
QUADI/SCAN TAPE	10/31/83	[illegible]	22136	1	3600	120	
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"							

T-22137 | ACCESSION NUMBER 8300146

B;4;03

DATA DOCUMENTATION FORM

Ref # 319326

NOAA FORM 24-13 (4-77)

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

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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 NW/Bldg #3
BIN C15700
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

Commencement Bay 1
File Id = W83278

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
9/9/80	9/12/80

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

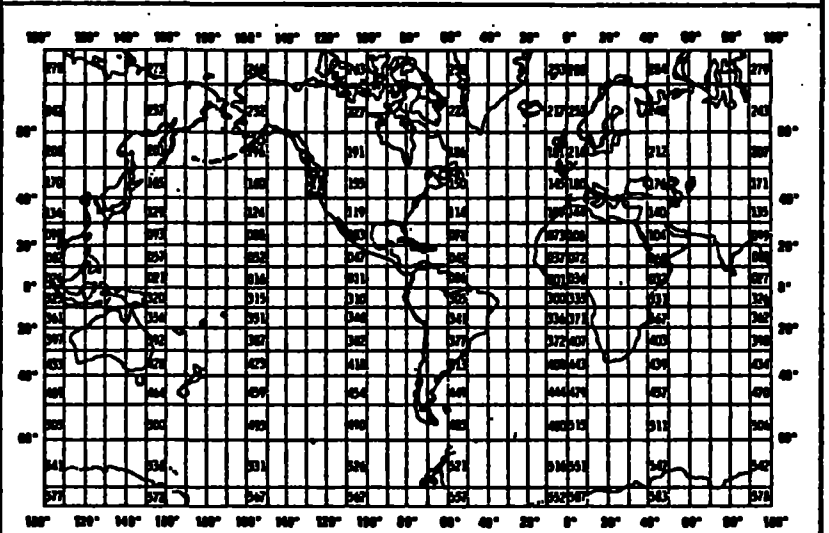
☒ NO ☐ YES ☐ PART *(SPECIFY BELOW)*

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

Mr. David Pashinski
(206) 527-6781

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

GENERAL AREA



NOAA FORM 24-13

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 CTD # 9400 SN1014	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	°/oo	"	computed from conductivity	

Please note: The first 5 casts on this tape are duplicates. Please disregard them.

NOAA FORM 24-13

C. DATA FORMAT

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

RECO

14. F

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 NW

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☒ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)

NOAA/PMEL 022 Sharon Wright
39 casts processed
47 physical records
Commencement Bay 1
File Id = W8327Ø
9TR/1600 BPI UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES 3600

13. LENGTH OF BYTES IN BITS 6

NOAA

	RECORD Bytes (min. max. 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) GMT
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

	(e.g. bits, bytes)				
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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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 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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
Plessey 9400 SN 1014	3/80		NOIC	6mo.					

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession #8300146

1) File Type: C022

2) Project Ident.: MESA Puget Sound (#0082)

3) ~~Track~~ Ref. Nos.: 319326

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

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

SSION/~~TRACK~~ NO.: 8300146/319326

OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
IGINATOR	T03199	NL	120	3600	9-tr 1600 BPI EBCDIC	one file	
UPLICATE	22137	SL	120	3600	9-tr 1600 BPI ASCII	one file *	
FORMATTED							
FIRST USER							
FINAL USER							

SK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
DITED ISK ILE							

* Label = DNOD*83NODC703-04

ACCESSION/~~TRACK~~ # 8300146/319326

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE		JEP	T03199	1	3600	120	
QUADI/SCAN TAPE		JEP	22137	1	3600	120	
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"							

#12138 | ACCESSION NUMBER 8300146

5:4:03

DATA DOCUMENTATION FORM

Ref. #319327

NOAA FORM 24-13 (4-77)

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

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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 NW / Bldg #3
BIN C15700
Seattle, WA. 98115-0070

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

MESA (Marine Eco Systems Analysis)

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

Commencement Bay 2
File Id = W83257

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
University of Washington RV: HOH	Ship	U.S.	U.S.	11/12/80	11/15/80

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

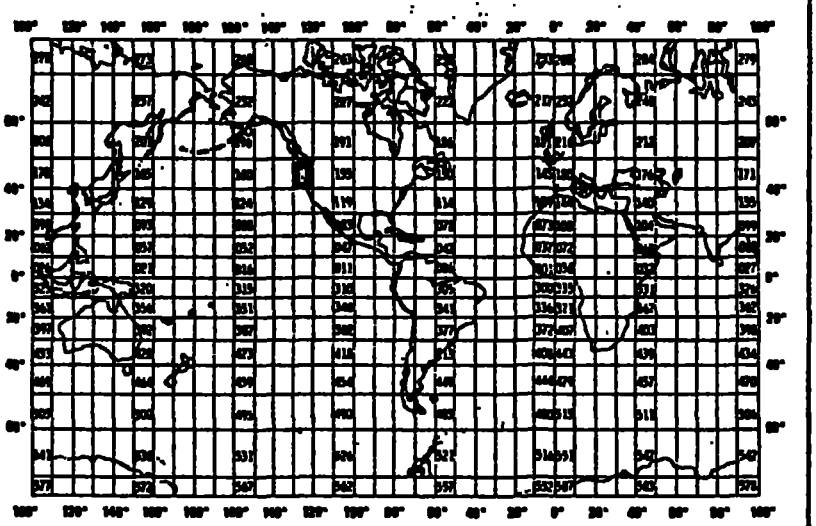
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

Mr. David Pashinski
(206) 527-6781

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

GENERAL AREA



NOAA FORM 24-13

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 CTD # 9400 SN 1014	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	°/₀₀	"	computed from conductivity	

NOAA FORM 24-13

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

5. RECORDING MODE: ☒ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS): ☐ SEVEN ☒ NINE ☐ _____

7. PARITY: ☒ ODD ☐ EVEN

8. DENSITY: ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN): ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK: ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
NOAA/PMEL 022 Sharon Wright
41 casts processed
45 physical records
Commencement Bay 2
File Id = W83257
9TR/1600 BPI UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES: 3600

13. LENGTH OF BYTES IN BITS: 6

NOAA FORM 24-12

	LOCATED IN Bytes (min. 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) GMT
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

USCOMM-DC 44281-P77

	(e.g. Bits, Bytes)				
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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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) 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 CALIBRATED
		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	3/80		Plessey						

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300146

1) File Type: C022

2) Project Ident.: MESA Puget Sound (#0082)

3) ~~Check~~ Ref Nos.: 319327

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

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

REQUEST/TRACK NO.: 8300146/319327

[redacted] OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	T03197	NL	120	3600	9-tr 1600 BPI EBCDIC	one file	
DUPLICATE	22138	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 = DNOD*83NODC703-05

ACCESSION/~~TRACK~~ Ref. # 8300146/319327

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
RIGINATOR TAPE	10/31/83	[illegible]	T03197	1	3600	120	
JADI/SCAN TAPE	10/31/83	[illegible]	22138	1	3600	120	
SSIGNED FOR PROCESS.							
OF EVALUATION							
UALITY REVIEW							
RELIMINARY DATA SORT							
RELIMINARY MULCHEK							
IRST USER TAPE							
ORK DISK FILE							
INAL USER TAPE							
INAL MULCHEK							
DITED DISK FILE							
ATA SET "FINALIZED"							

#22139 | ACCESSION NUMBER 8300146

B:4:03

DATA DOCUMENTATION FORM

Ref. #319328

NOAA FORM 24-13 (4-77)

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

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

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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 Sandpoint Way NW/ Bldg#3
BINC 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

Commencement Bay 3
File Id = W83258

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
NOAA Ship McArthur	Ship	U.S.	U.S.	3/23/81	4/3/81

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

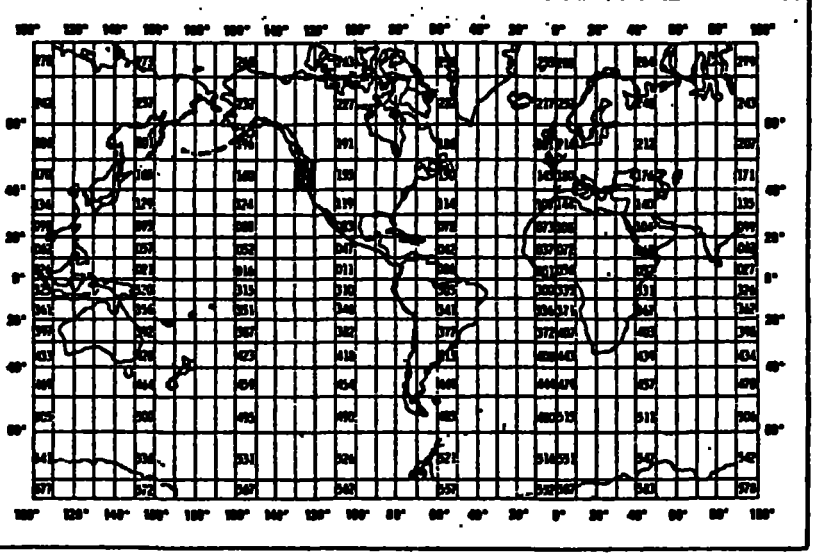
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

Mr. David Pashinski
(206) 527-6781

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

GENERAL AREA



NOAA FORM 24-13

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 CTD # 9400 SN 1014	NA	values averaged over 1db intervals
Temperature	°C	"	NA	
Salinity	°/oo	"	computed from conductivity	

NOAA FORM 24-13

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 NW

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☒ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN)
☒ 3/4 INCH
☐ _____

10. END OF FILE MARK
☒ OCTAL 17
☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)

NOAA/PMEL 022 Sharon Wright
105 casts processed
140 physical records
Commencement Bay 3
File Id = W83258
9TR/1600 BPI UNLABELED, odd parity

12. PHYSICAL BLOCK LENGTH IN BYTES
3600

13. LENGTH OF BYTES IN BITS
6

NOAA FORM 24-13

	Record in Bytes (Field Size, bytes)	NUMBER	UNITS		
ile Type	1	3	Bytes	A3	Always '022'
ile Identification	4	6	"		
ecord Type	10	1	"	I1	Always '1'
ast Number	11	5	"		Analogous to NODC Station Number
ext	16	100	"	100A1	Additional pertinent information
equence 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) GMT
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

	(w.r., blks, 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 WMO Codes 0855
Wind speed	75	2	"	I2	Whole knots and 0877
Weather Code	77	1	"	I1	WMO 4501
Sea State Code	78	1	"	I1	WMO 3700
Visibility Code	79	1	"	I1	WMO 4300
Cloud Type Code	80	1	"	A1	WMO 0500
Cloud Amount Code	81	1	"	I1	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	"	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) 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 CALIBRATED
		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	12/80		NOIC	6mo.					

NOAA FORM 24-13

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8300146

1) File Type: C022

2) Project Ident.: MESA Puget Sound (#0082)

3) ~~Track~~ Rel Nos.: 319328

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

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

FSSION/~~TRACK~~ NO.: 8300146/319328

OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
IGINATOR	T03198	NL	120	3600	9-tr 1600BPI EBCDIC	one file	
UPLICATE	22139	SL	120	3600	9-tr 1600BPI ASCII	one file *	
FORMATTED							
FIRST USER							
FINAL USER							

SK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
DITED DISK FILE							

* Label = DNOD*83 NODC 703-06

DATA SET ROUTE SHEET

ACCESSION/~~TRACK~~ Rf. # 8300146/319328

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	10/31/83	JBR	T03198	1	3600	120	
RADI/SCAN TAPE	10/31/83	JBR	22139	1	3600	120	
ASSIGNED FOR PROCESS.							
EDF 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
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8300146 F022 TT1091 9999 313F 31M4    1982/02/12 PS-82         325957
 8300146 C022 319325 9999 313F 31M4    1982/02/12 TT1091        325958
 8300146 F022 TT1094 0082 313F 31M4    1981/03/23 COMMBAY3      325963
 8300146 C022 319328 0082 313F 31M4    1981/03/23 TT1094        325964
 8300146 F022 TT1092 0082 313F 31OA    1980/09/09 COMMBAY1      325959
 8300146 C022 319326 0082 313F 31OA    1980/09/09 TT1092        325960
 8300146 F022 TT1093 0082 313F 31OH    1980/11/12 COMMBAY2      325961
 8300146 C022 319327 0082 313F 31OH    1980/11/12 TT1093        325962

(8 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
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 8300146 F022 TT1091 31M4 256    8397   82/02/12   82/04/28
 8300146 C022 319325 31M4 256    256    82/02/12   82/04/28
 8300146 F022 TT1094 31M4 105    2321   81/03/23   81/04/03
 8300146 C022 319328 31M4 105    105    81/03/23   81/04/03
 8300146 F022 TT1092 31OA 29     513    80/09/09   80/09/12
 8300146 C022 319326 31OA 29     29     80/09/09   80/09/12
 8300146 F022 TT1093 31OH 41     525    80/11/12   80/11/15
 8300146 C022 319327 31OH 41     41     80/11/12   80/11/15

(8 rows affected)
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