

Cruise # 319144-319146

ACCESSION
NUMBER

78-00320

DDF-B:1:22 DATA DOCUMENTATION FORM

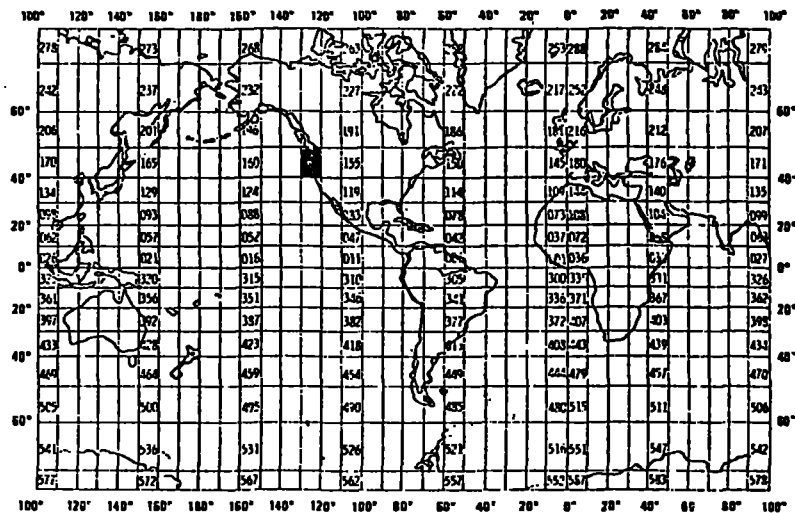
TR2986-88

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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 PACIFIC MARINE ENVIRONMENTAL LABORATORY 3711 15 TH AVE NE SEATTLE, WASH 98105 ATTN: I.R. HOLBROOK			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED SNOW GOOSE 19-22 JULY 77 SNOW GOOSE 23-28 AUG 77 SNOW GOOSE 12-17 JAN 78 STRAIT RESPONSE		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT TAPE FILE 1, PART 1 ID - DA 2838-TR2986 2 ID - DA 2838 TR2987 3 ID - DA 3038 TR2988	
4. PLATFORM NAME(S) PRIVATE SHIP SNOW GOOSE	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 7/19/77 7/22/77 8/23/77 8/26/77 1/12/78 1/17/78
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) JAMES R. HOLBROOK 206-442-4598			

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
DEPTH	METERS	PLESSEY 9400 CTD	N/A	Values averaged over 1-meter intervals
TEMPERATURE	°C			
SALINITY	‰			
SIGMA-T	GM CM ⁻³			

ST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
VE 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

File 1, Part 1 Data from Snow Goose Cruise 17-22 July 77
2 Data from Snow Goose Cruise 23-26 August 77
3 Data from Snow Goose Cruise 12-17 Jan 78

TRIBUTES AS EXPRESSED IN

☐ PL-1

☐ ALGOL

☐ COBOL

☒ FORTRAN

LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Dave Kachel 442-4598

ADDRESS

3711 - 15th Avenue NE, Seattle, Wash. 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>SNOW GOOSE CTD DATA</p> <p>TAPE FILE 1, PART 1 ID-DK 2838,</p> <p>PART 2 ID-DK 2838, PART 3 ID</p> <p>DK 3038</p> <p>7 TRACK, BCD, 800 BPI, EVEN PARITY</p> <p>ORIGINATOR - JAMES R. HOLBROOK</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

Vol. Ser. = JAR 110 (orig.)
Vol. Ser. = 05099 (o/c)

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

USER TAPE

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

ADDRESS

D752-NOAA/EDS/NODC--2026347505
WASHINGTON, DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>013157 (115L)</p> <p>DSN=TR2986</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>BLKSIZE=4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>LRBL=120</p>

RECORD NAME TEXT RECORD (OPTIONAL)

15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING	
	NUMBER	UNITS			
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	
Cast Number	11	5	Bytes	A5	
Text	16	100	Bytes	100A1	
Sequence Number	116	5	Bytes	I5	Always '1' Analogous to NODC Station Number Additional pertinent information Ascending numeric, used for sorting
MASTER RECORD (REQUIRED THRU BYTES 59)					
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2' Analogous to NODC Station Number
Cast Number	11	5	Bytes	A5	
Latitude					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of Minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	I5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	I2	Last two digits of year 1-12 1-31 0-23 0-59 } GMT
Month	48	2	Bytes	I2	
Day	50	2	Bytes	I2	
Hour	52	2	Bytes	I2	
Minutes	54	2	Bytes	I2	
Depth Interval Indicator	56	1	Bytes	I1	'0' equals unequally spaced depths
Depth Interval	57	3	Bytes	I3	'1' equals equal spaced depths When above equals '1', the depth interval, to tenths of meters reported.
Barometric Pressure	60	5	Bytes	I5	Millibars to tenths

FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	I4	Degrees C to tenths
Dry bulb temperature	69	4	Bytes	I4	Degrees C to tenths
Wind direction	73	2	Bytes	I2	Tens of degrees WMO Codes 0855 and 0877
Wind speed	75	2	Bytes	I2	Whole knots
Weather Code	77	1	Bytes	I1	WMO 4501
Sea State Code	78	1	Bytes	I1	WMO 3700
Visibility Code	79	1	Bytes	I1	WMO 4300
Cloud Type Code	80	1	Bytes	A1	WMO 0500
Cloud Amount Code	81	1	Bytes	I1	WMO 2700
Instrument Information	82	20	Bytes	20A1	Type and Serial Number
Location Name	102	6	Bytes	A6	OCSEP Internal Location Code
Depth to bottom	108	5	Bytes	I5	To whole meters
Maximum depth of cast	113	4	Bytes	I4	To whole meters
Blank	117	4	Bytes	4X	
DETAIL RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	I5	Meters to tenths
Temperature	21	5	Bytes	I5	Degrees C to thousandths
Salinity	26	5	Bytes	I5	P.P.T. to thousandths
Sigma-t	31	4	Bytes	I4	To hundredths
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	Bytes	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	Bytes	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 9400 CTD	NOV 76		Northwest Regional Calibration Center		✓				

DATA DOCUMENTATION FORM

TR 2989
TR 2990

NOAA FORM 24-13
(4-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

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

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.

Cruise # 319147-319148

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 JAMES R. HOLBROOK Pacific Marine Environmental Laboratory (PMEL/EAL/NOAA) 3711 - 15th Avenue NE Seattle, Wash 98105 (Telephone 206-442-4598)			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED STRAIT RESPONSE RP-3-OC-77, MESA RP-3-OC-77D, PSERP		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT TAPE FILE 1, ID - DK 2338 TAPE FILE 2, ID - DK 2338	
4. PLATFORM NAME(S) NOAA SHIP OCEANOGRAPHER	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) NOAA SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 9/22/77 9/29/77 12/16/77 12/19/77
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) JAMES. R. HOLBROOK 206-442-4598	

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
DEPTH	METERS	PLESSEY 9041 CTD	N/A	Values Averaged over 1-meter intervals
TEMPERATURE	°C			
SALINITY	‰			
SIGMA-T	GM CM ⁻³			

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

File 1 Data from Oceanographer Cruise 22-29 SEP 77
File 2 Data from Oceanographer Cruise 16-19 Dec 77

3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Dave Kachel 442-4598

ADDRESS

3711 - 15th Ave NE, Seattle, Wash. 98105

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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)

OCEANOGRAPHER QTD DATA
TAPE FILE ID1-DK2338, ID2-DK2338
7-TRACK, BCD, 800 BPI, EVEN PARITY
ORIGINATOR - JAMES R. HOLBROOK

12. PHYSICAL BLOCK LENGTH IN BYTES

3600

13. LENGTH OF BYTES IN BITS

6

Vol. Ser. = JR 111 (orig)
Vol. Ser. = 04415 (ofc)

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

USER TAPE

Acc. No. 78-0320

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

ADDRESS

NOAA/EDS/NO DC-D752, (202) 634-7505
2001 Wisconsin Ave, WASH, DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>005136(1,SL)</p> <p>DSN=TR2989</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>120</p>

RECORD NAME TEXT RECORD (OPTIONAL)

14. NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Sequence Number	16	100	Bytes	100A1	Additional pertinent information
	116	5	Bytes	I5	Ascending numeric, used for sorting
MASTER RECORD (REQUIRED THRU BYTES 59)					
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of Minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	I5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	I2	Last two digits of year
Month	48	2	Bytes	I2	1-12
Day	50	2	Bytes	I2	1-31
Hour	52	2	Bytes	I2	0-23
Minutes	54	2	Bytes	I2	0-59
Depth Interval Indicator	56	1	Bytes	I1	'0' equals unequally spaced depths
Depth Interval	57	3	Bytes	I3	'1' equals equal spaced depths
					When above equals '1', the depth interval, to tenths of meters reported.
Barometric pressure	60	5	Bytes	I5	Millibars to tenths

RECORD NAME MASTER RECORD CONTINUED

FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	I4	Degrees C to tenths
Dry bulb temperature	69	4	Bytes	I4	Degrees C to tenths
Wind direction	73	2	Bytes	I2	Tens of degrees WMO Codes 0855 and 0877
W. speed	75	2	Bytes	I2	Whole knots
Weather Code	77	1	Bytes	I1	WMO 4501
Sea State Code	78	1	Bytes	I1	WMO 3700
Visibility Code	79	1	Bytes	I1	WMO 4300
Cloud Type Code	80	1	Bytes	A1	WMO 0500
Cloud Amount Code	81	1	Bytes	I1	WMO 2700
Instrument Information	82	20	Bytes	20A1	Type and Serial Number
Location Name	102	6	Bytes	A6	OCSEP Internal Location Code
Depth to bottom	108	5	Bytes	I5	To whole meters
Maximum depth of cast	113	4	Bytes	I4	To whole meters
Blank	117	4	Bytes	4X	
DETAIL RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	I5	Meters to tenths
Temperature	21	5	Bytes	I5	Degrees C to thousandths
Salinity	26	5	Bytes	I5	P.P.T. to thousandths
Sigma-t	31	4	Bytes	I4	To hundredths
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	Bytes	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	Bytes	I5	Ascending numeric, used for sorting
Blanks are used when significance of field indicated exceeds what is measured.					

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
PLESSEY 9041	SEP 77		Northwest Regional Calibration Center		✓				
					✓				



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE
Washington, D.C. 20235
National Oceanographic Data Center

Date :
To : D781
From : D752 *GRH*
Subject : Error Correction in Processing of
Data Set - Accession # 78-0320

- 1) File Type: #022
- 2) Project Ident.: Puget Sound/PSEFP
- 3) Track Nos.: TR 2989-90

I. Error corrections as reported to Principal Investigator:

II. Additional error corrections:

1. Deleted blank records!

III. Processor name: _____





75-0320

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE

National Oceanographic Data Center Liaison Office
Pacific Marine Environmental Laboratory
NOAA Bldg. 264 (tower)
7600 Sand Point Way N.E.
Seattle, Wa. 98115

Date : April 6, 1978
To : Dr. James B. Ridlon, MESA Data Coordinator
From : *Sid Stillwaugh*, Seattle Liaison Office
Subject : MESA Data Submission

Enclosed (cert. 523033) please find (1) magnetic tape (2) files, and associated documentation for:

- 1) Holbrook/PMEL - FT 022 data, field period 22 to 29 Sept. 1977, File 1 - File ID DK 2338. *TR 2989*
- 2) Holbrook/PMEL - FT 022 data, field period 16 to 19 Dec. 1977, File 2 - File ID DK 2338. *TR 2990*

Enclosures



RECEIVED 4/11/78



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

USER TAPE

Acc. NO. 78-0320

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

ADDRESS

NOAA/EDS/NODC-D752, (202) 634-7505
2001 Wisconsin Ave. WASH., DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>005136 (1, SL)</p> <p>DSN = TR 2989</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>120</p>

File type 022-3 24

#2 012635 ANSE 000296
7509 1896
120/4800, F022 (c4050)
#1 0020119

TR 2971-2974, 2986-2990, 3031, 3080, 3102, 3308-3309,
3317-3323, , 3570, 3651, 3942

59,912
~~46,153~~

Accession No: 78-0320

ID: Puget Sound/PSERP FTP



76 1320
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES

PACIFIC MARINE ENVIRONMENTAL LABORATORY
3711 - 15th Avenue Northeast
Seattle, Washington 98105

()
Date: April 5, 1978

To: Dean Dale
MESA/Puget Sound Data Manager

From: Jim Holbrook
DSP Group

Subject: Oceanographer CTD Data Submission/Sep 77, Dec 77

Enclosed please find one magnetic tape (with DDF) containing CTD data recorded during two cruises aboard the Oceanographer in support of the Strait of Juan de Fuca MESA Program:

Dates	Number of casts
22-29 September 1977	165 (MESA)
16-19 December 1977	35 (PSERP)

} see DDF

The tape is in MESA/NODC standard format.

JH:fs

Enclosure

cc: D. Halpern





U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES

PACIFIC MARINE ENVIRONMENTAL LABORATORY
3711 - 15th Avenue Northeast
Seattle, Washington 98105

Date: March 31, 1978

To: Dean Dale
MESA/Puget Sound Data Manager

From: Jim Holbrook
DSP Group

Subject: Snow Goose CTD Data Submission/Jul 77, Aug 77, Jan 78

Enclosed please find a magnetic tape (with DDF) containing CTD data recorded during three cruises aboard the Snow Goose in support of the Strait of Juan de Fuca MESA Program:

Dates	Number of Casts
19-22 July 1977	65
23-26 August 1977	73
12-17 January 1978	133

The tape is in MESA/NODC standard format.

JH:fs

Enclosure

cc: D. Halpern





UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE

National Oceanographic Data Center Liaison Office
Pacific Marine Environmental Laboratory
NOAA Bldg. 264 (tower)
7600 Sand Point Way N.E.
Seattle, Wa. 98115

Date : April 4, 1978
To : Dr. James B. Ridlon, MESA Data Coordinator
From : *11/6/78 J.B. Ridlon*
Sid Stillwaugh, Seattle Liaison Office
Subject : MESA Data Submission (and additional information)

78-0320

- A) Enclosed (cert. 523031) find (1) magnetic tape, (1 file),
and associated documentation for;
- 1) Part 1 - Holbrook/PMEL - field period 19 to 22 July 1977,
File I.D. DK 2838 (CTD). *TR2986*
 - 2) Part 2 - Holbrook/PMEL - field period 23 to 26 Aug. 1977,
File I.D. DK 2838 (CTD). *TR2987*
 - 3) Part 3 - Holbrook/PMEL - field period 12 to 17 Jan. 1978,
File I.D. DK 3038 (CTD). *TR2988*
- B) Also enclosed under separate cover letter find additional
information, (1) two (2) Holbrook ROSCOPS, and (2), Miller/Simenstad
requested data.



RECEIVED





UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE
Washington, D.C. 20235
National Oceanographic Data Center

Date :
To : D781
From : D752 *77211*
Subject : Error Correction in Processing of
Data Set - Accession # 78-0320

- 1) File Type: # 022
- 2) Project Ident.: Puget Sound/PSERP
- 3) Track Nos.: TR2986-8

I. Error corrections as reported to Principal Investigator:

II. Additional error corrections:

*Made changes to barometric pressure to
5 columns 09440 - 10545*

III. Processor name: _____



ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 5948143 N123453 W STRAIT-SG 15677 722 8391 1 1014 11121 9 CTD MODEL 9400 165 155

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 6048120 N123468 W STRAIT-SG 9177 722 9151 1 1019 11122 7 CTD MODEL 9400 101 90

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 6148100 N123468 W STRAIT-SG 1177 72210 01 1 1019 111 CTD MODEL 9400 21 10

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 6248176 N123247 W STRAIT-SG 11177 72212201 1 1014 1112818 CTD MODEL 9400 121 110

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 6348130 N123256 W STRAIT-SG 12177 72212551 1 1014 1112715 CTD MODEL 9400 130 120

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 6448118 N123250 W STRAIT-SG 12677 72213251 1 1014 1172715 CTD MODEL 9400 132 125

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

022TR29862 6548 94 N123250 W STRAIT-SG 6677 72213551 1 1014 1172713 CTD MODEL 9400 77 65

??

ILLEGAL BLANKS IN LAT MIN 1/100

??

ILLEGAL BLANKS IN LON MIN 1/100

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/I=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE LOW	TESTED HIGH	ACTUAL LOWEST	RANGE HIGHEST	MEAN	S. DEV	COUNT
C	2	30	1	LON HEM	W	W					
M	2	16	2	LAT DEG	00	89	47	48	47.93	.93	65
M	2	18	2	LAT MIN	00	59	1	53	20.49	8.38	65
N	2	20	2	LAT MIN 1/100	00	99	NO VALUES FOUND FOR THIS PARAMETER				
C	2	22	1	LAT HEM	N	N					
M	2	23	3	LON DEG	000	179	122	124	123.52	1.12	65
M	2	26	2	LON MIN	00	59	2	55	23.63	11.76	65
N	2	28	2	LON MIN 1/100	00	99	NO VALUES FOUND FOR THIS PARAMETER				
N	2	41	5	NUM. OF SCANS	NC	RANGE CHECKING	11	271	165.63	52.04	65
M	2	46	2	OBS YR	74	80	77	77	77.00	CC	65
M	2	48	2	OBS MON	01	12	7	7	7.00	CC	65

N	4	35	1	SCANCON6	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER	
N	4	55	1	SCANCON7	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER	
N	4	74	1	SCANCON8	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER	
N	4	95	1	SCANCON9	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER	
N	4	115	1	SCANCON10	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER	
N	4	26	5	TRANSMISSIVITY1	00000 99000	NO VALUES FOUND FOR THIS PARAMETER	
B	4	31	4				C
N	4	46	5	TRANSMISSIVITY2	00000 99000	NO VALUES FOUND FOR THIS PARAMETER	
B	4	51	4				C
N	4	66	5	TRANSMISSIVITY3	00000 99000	NO VALUES FOUND FOR THIS PARAMETER	
B	4	71	4				C
N	4	86	5	TRANSMISSIVITY4	00000 99000	NO VALUES FOUND FOR THIS PARAMETER	
B	4	91	4				C
N	4	106	5	TRANSMISSIVITY5	00000 99000	NO VALUES FOUND FOR THIS PARAMETER	
B	4	111	4				C

RECORDS READ : 2260

M	2	50	2	OBS DAY	01	31	19	22	20.73	1.06	65
M	2	52	2	OBS HR	00	23	0	23	10.21	6.10	65
N	2	54	2	OBS MIN	00	59	0	59	26.52	18.33	65
N	2	56	1	DEPTH INTERVAL INDIC	0	1	1	1	1.00	00	65
N	2	57	2	DEPTH INTVL	00	99	1	1	1.00	00	65
N	2	60	4	BAROMETRIC PRESSURE	0944	1050	1006	1016	1010.73	2.90	63
N	2	65	4	WET-BULB TEMPERATURE	-300	0400	NO VALUES FOUND FOR THIS PARAMETER				
N	2	69	4	DRY-BULB TEMPERATURE	-300	0400	100	172	122.72	15.75	62
N	2	73	2	WIND DIRECTION	00	36	0	32	21.93	11.86	32
N	2	75	2	WIND SPEED	00	70	0	21	9.01	5.15	57
N	2	77	1	WEATHER	NO RANGE	CHECKING	0	2	1.00	63	20
N	2	78	1	SEA STATE	NO RANGE	CHECKING	NO VALUES FOUND FOR THIS PARAMETER				
N	2	79	1	VISIBILITY	NO RANGE	CHECKING	6	9	7.73	1.11	19
N	2	81	1	CLOUD AMOUNT	NO RANGE	CHECKING	0	9	2.75	2.60	20
N	2	108	5	BOTTOM DEPTH	00000	11000	21	1920	225.56	290.04	62
N	3	16	4	DEPTH1	0000	6000	0	270	91.79	59.23	2195
N	3	20	1	DEPTH1 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	36	4	DEPTH2	0001	6000	1	266	91.03	58.22	2148
N	3	40	1	DEPTH2 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	56	4	DEPTH3	0002	6000	2	267	91.94	58.15	2146
N	3	60	1	DEPTH3 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	76	4	DEPTH4	0003	6000	3	268	92.70	58.01	2141
N	3	80	1	DEPTH4 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	96	4	DEPTH5	0004	6000	4	269	93.65	58.02	2136
N	3	100	1	DEPTH5 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	21	4	TEMPER1	-200	3000	650	1378	798.65	152.37	2195
N	3	25	1	TEMPER1 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	41	4	TEMPER2	-200	3000	650	1367	798.99	151.65	2148
N	3	45	1	TEMPER2 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	61	4	TEMPER3	-200	3000	650	1329	797.03	150.27	2146
N	3	65	1	TEMPER3 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	81	4	TEMPER4	-200	3000	650	1310	794.96	149.00	2141
N	3	85	1	TEMPER4 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	101	4	TEMPER5	-200	3000	650	1293	792.72	147.70	2136
N	3	105	1	TEMPER5 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	26	4	SALINITY1	1000	3650	2855	3395	3295.08	105.73	2195
N	3	46	4	SALINITY2	1000	3650	2859	3393	3294.66	105.62	2148
N	3	66	4	SALINITY3	1000	3650	2884	3390	3295.72	105.32	2146
N	3	86	4	SALINITY4	1000	3650	2924	3391	3296.83	104.90	2141
N	3	106	4	SALINITY5	1000	3650	2965	3393	3298.17	104.13	2136
N	3	31	4	SIGMA-T1	0315	3000	2128	2666	2568.15	103.66	2195
N	3	51	4	SIGMA-T2	0315	3000	2134	2664	2567.76	103.46	2148
N	3	71	4	SIGMA-T3	0315	3000	2161	2663	2568.87	104.98	2146
N	3	91	4	SIGMA-T4	0315	3000	2195	2662	2570.09	104.47	2141
N	3	111	4	SIGMA-T5	0315	3000	2230	2664	2571.48	103.68	2136
N	3	35	1	SCANCON1	NO RANGE	CHECKING	4	4	4.00	00	2195
N	3	55	1	SCANCON2	NO RANGE	CHECKING	4	4	4.00	00	2148
N	3	75	1	SCANCON3	NO RANGE	CHECKING	4	4	4.00	00	2146
N	3	95	1	SCANCON4	NO RANGE	CHECKING	4	4	4.00	00	2141
N	3	115	1	SCANCON5	NO RANGE	CHECKING	4	4	4.00	00	2136
N	4	16	5	DEPTH6	00005	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	36	5	DEPTH7	00006	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	56	5	DEPTH8	00007	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	76	5	DEPTH9	00008	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	96	5	DEPTH10	00009	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	21	5	DISSOLVDOXYGEN1	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	41	5	DISSOLVDOXYGEN2	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	61	5	DISSOLVDOXYGEN3	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	81	5	DISSOLVDOXYGEN4	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	101	5	DISSOLVDOXYGEN5	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				

ILLEGAL BLANKS IN LON MIN 1/100

 022TR29872 7148118 N123250 WSG-2 11777 82611531 1 1002 10028 5 CTD MODEL 9400 128 119
 ILLEGAL BLANKS IN LAT MIN 1/100
 ILLEGAL BLANKS IN LON MIN 1/100

 022TR29872 7248 96 N123254 WSG-2 6977 82612271 1 1003 100 0 0 CTD MODEL 9400 81 72
 ILLEGAL BLANKS IN LAT MIN 1/100
 ILLEGAL BLANKS IN LON MIN 1/100

 022TR29872 7347466 N122262 WSG-2 17977 82619271 1 1006 15617 8 CTD MODEL 9400 192 183
 ILLEGAL BLANKS IN LAT MIN 1/100
 ILLEGAL BLANKS IN LON MIN 1/100

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/P=BLANK/T=TAXONOMIC CODE/I=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT
C	2	30	1	LON HEM	W W	47 48	47.98	.78	73
M	2	16	2	LAT DEG	00 89	1 46	17.06	6.30	73
M	2	18	2	LAT MIN	00 59	NO VALUES FOUND FOR THIS PARAMETER			
N	2	20	2	LAT MIN 1/100	00 99				
C	2	22	1	LAT HEM	N N				
M	2	23	3	LON DEG	000 179	122 124	123.21	1.59	73
M	2	26	2	LON MIN	00 59	0 55	38.04	12.46	73
N	2	28	2	LON MIN 1/100	00 99	NO VALUES FOUND FOR THIS PARAMETER			
N	2	41	5	NUM. OF SCANS	NO RANGE CHECKING	26 266	151.36	41.96	73
M	2	46	2	OBS YR	74 80	77 77	77.00	.00	73
M	2	48	2	OBS MON	01 12	8 8	8.00	.00	73
M	2	50	2	OBS DAY	01 31	23 28	24.84	1.16	73
M	2	52	2	OBS HR	00 23	0 23	12.23	6.95	73
M	2	54	2	OBS MIN	00 59	0 58	31.50	17.01	73
N	2	56	1	DEPTH INTERVAL INDIC	0 1	1 1	1.00	.00	73
N	2	57	2	DEPTH INTVL.	00 99	1 1	1.00	.00	73
N	2	60	4	BAROMETRIC PRESSURE	0944 1050	998 1006	1000.23	2.82	73
N	2	65	4	WET-BULB TEMPERATURE	-300 0400	NO VALUES FOUND FOR THIS PARAMETER			
N	2	69	4	DRY-BULB TEMPERATURE	-300 0400	100 156	118.81	9.87	72
N	2	73	2	WIND DIRECTION	00 36	0 34	10.47	11.10	73
N	2	75	2	WIND SPEED	00 70	0 12	3.91	3.91	73
N	2	77	1	WEATHER	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	78	1	SEA STATE	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	79	1	VISIBILITY	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	81	1	CLOUD AMOUNT	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	108	5	BOTTOM DEPTH	00000 11000	31 285	163.32	43.73	73
N	3	16	4	DEPTH1	0000 6000	0 268	82.69	52.95	2242
N	3	20	1	DEPTH1 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	36	4	DEPTH2	0001 6000	1 264	83.06	52.53	2224
N	3	40	1	DEPTH2 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	56	4	DEPTH3	0002 6000	2 265	83.59	52.40	2207
N	3	60	1	DEPTH3 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	76	4	DEPTH4	0003 6000	3 266	84.35	52.32	2198
N	3	80	1	DEPTH4 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	96	4	DEPTH5	0004 6000	4 267	84.74	52.01	2179
N	3	100	1	DEPTH5 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			

N	3	21	4	TEMPER1	-200	3000	617	1289	792,53	134,66	2242
N	3	25	1	TEMPER1 1/1000	0	9	NO	VALUES FOUND FOR THIS	PARAMETER		
N	3	41	4	TEMPER2	-200	3000	612	1279	791,17	133,64	2224
N	3	45	1	TEMPER2 1/1000	0	9	NO	VALUES FOUND FOR THIS	PARAMETER		
N	3	61	4	TEMPER3	-200	3000	625	1275	789,52	132,33	2207
N	3	65	1	TEMPER3 1/1000	0	9	NO	VALUES FOUND FOR THIS	PARAMETER		
N	3	81	4	TEMPER4	-200	3000	628	1267	787,74	131,16	2198
N	3	85	1	TEMPER4 1/1000	0	9	NO	VALUES FOUND FOR THIS	PARAMETER		
N	3	101	4	TEMPER5	-200	3000	623	1258	786,13	129,81	2179
N	3	105	1	TEMPER5 1/1000	0	9	NO	VALUES FOUND FOR THIS	PARAMETER		
N	3	26	4	SALINITY1	1000	3650	3001	3427	3299,61	82,10	2242
N	3	46	4	SALINITY2	1000	3650	3008	3421	3300,38	81,57	2224
N	3	66	4	SALINITY3	1000	3650	3011	3409	3301,33	80,68	2207
N	3	86	4	SALINITY4	1000	3650	3018	3415	3302,39	80,24	2198
N	3	106	4	SALINITY5	1000	3650	3023	3421	3303,34	79,30	2179
N	3	31	4	SIGMA-T1	0315	3000	2258	2698	2572,73	84,33	2242
N	3	51	4	SIGMA-T2	0315	3000	2265	2693	2573,54	83,72	2224
N	3	71	4	SIGMA-T3	0315	3000	2269	2681	2574,54	82,83	2207
N	3	91	4	SIGMA-T4	0315	3000	2276	2687	2575,64	82,09	2198
N	3	111	4	SIGMA-T5	0315	3000	2281	2692	2576,63	81,48	2179
N	3	35	1	SCANCON1	NO RANGE CHECKING		4	4	4,00	00	2242
N	3	55	1	SCANCON2	NO RANGE CHECKING		4	4	4,00	00	2224
N	3	75	1	SCANCON3	NO RANGE CHECKING		4	4	4,00	00	2207
N	3	95	1	SCANCON4	NO RANGE CHECKING		4	4	4,00	00	2198
N	3	115	1	SCANCON5	NO RANGE CHECKING		4	4	4,00	00	2179
N	4	16	5	DEPTH6	00005	60000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	36	5	DEPTH7	00006	60000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	56	5	DEPTH8	00007	60000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	76	5	DEPTH9	00008	60000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	96	5	DEPTH10	00009	60000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	21	5	DISSOLVXYGEN1	00000	15000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	41	5	DISSOLVXYGEN2	00000	15000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	61	5	DISSOLVXYGEN3	00000	15000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	81	5	DISSOLVXYGEN4	00000	15000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	101	5	DISSOLVXYGEN5	00000	15000	NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	35	1	SCANCON6	NO RANGE CHECKING		NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	55	1	SCANCON7	NO RANGE CHECKING		NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	74	1	SCANCON8	NO RANGE CHECKING		NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	95	1	SCANCON9	NO RANGE CHECKING		NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	115	1	SCANCON10	NO RANGE CHECKING		NO	VALUES FOUND FOR THIS	PARAMETER		
N	4	25	5	TRANSMISSIVITY1	00000	99000	NO	VALUES FOUND FOR THIS	PARAMETER		
B	4	31	4								C
N	4	46	5	TRANSMISSIVITY2	00000	99000	NO	VALUES FOUND FOR THIS	PARAMETER		
B	4	51	4								C
N	4	66	5	TRANSMISSIVITY3	00000	99000	NO	VALUES FOUND FOR THIS	PARAMETER		
B	4	71	4								C
N	4	86	5	TRANSMISSIVITY4	00000	99000	NO	VALUES FOUND FOR THIS	PARAMETER		
B	4	91	4								C
N	4	106	5	TRANSMISSIVITY5	00000	99000	NO	VALUES FOUND FOR THIS	PARAMETER		
B	4	111	4								C

RECORDS READ 1

2315

ILLEGAL BLANKS IN LON MIN 1/100

022R29882 13248146 N123157 W STRAIT-SG 12078 11712251 1 981 0 77 CTD MODEL 940C 135 125

ILLEGAL BLANKS IN LAT MIN 1/100

022R29802 13348143 N123114 W STRAIT-SG 10278 11712501 1 982 0 7733 5 CTD MODEL 940C 132 108

ILLEGAL BLANKS IN LAT MIN 1/100

ILLEGAL BLANKS IN LON MIN 1/100
 THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT
C	2	30	1	LON HEM	W	W			
M	2	16	2	LAT DEG	00 89	48 48	48.00	0C	132
M	2	18	2	LAT MIN	00 59	8 53	27.89	16.44	132
N	2	20	2	LAT MIN 1/100	00 99	NO VALUES FOUND FOR THIS PARAMETER			
C	2	22	1	LAT HEM	N	N			
M	2	23	3	LON DEG	0C0 179	122 126	122.81	62	132
M	2	26	2	LON MIN	00 59	0 59	20.29	20.87	132
N	2	28	2	LON MIN 1/100	00 99	NO VALUES FOUND FOR THIS PARAMETER			
N	2	41	5	NUM. OF SCANS	NO RANGE CHECKING	19 200	126.84	45.78	132
M	2	46	2	OBS YR	74 80	78 78	78.00	0C	132
M	2	48	2	OBS MON	01 12	1 1	1.00	0C	132
M	2	50	2	OBS DAY	01 31	12 17	14.09	1.81	132
M	2	52	2	OBS HR	00 23	0 23	11.32	6.61	132
N	2	54	2	OBS MIN	00 59	0 59	28.78	16.84	132
N	2	56	1	DEPTH INTERVAL INDIC	0 1	1 1	1.00	0C	132
N	2	57	2	DEPTH INTVL	00 99	1 1	1.00	0C	132
N	2	60	4	BAROMETRIC PRESSURE	0944 1050	961 1005	986.59	12.2C	126
N	2	65	4	WET-BULB TEMPERATURE	-3C0 0400	0 0	00	0C	126
N	2	69	4	DRY-BULB TEMPERATURE	-300 0400	0 100	68.85	15.73	132
N	2	73	2	WIND DIRECTION	00 36	0 36	13.31	12.54	97
N	2	75	2	WIND SPEED	00 70	3 25	10.37	5.45	101
N	2	77	1	WEATHER	NO RANGE CHECKING	1 1	1.00	0C	1
N	2	78	1	SEA STATE	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	79	1	VISIBILITY	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	81	1	CLOUD AMOUNT	NO RANGE CHECKING	NO VALUES FOUND FOR THIS PARAMETER			
N	2	108	5	BOTTOM DEPTH	00000 11000	31 214	139.37	47.14	126
N	3	16	4	DEPTH1	0000 6000	0 199	73.31	47.72	3405
N	3	20	1	DEPTH1 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	36	4	DEPTH2	0001 6000	1 200	73.89	47.57	3376
N	3	40	1	DEPTH2 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	56	4	DEPTH3	0002 6000	2 201	74.38	47.25	3348
N	3	60	1	DEPTH3 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	76	4	DEPTH4	0003 6000	3 202	74.85	46.95	3318
N	3	80	1	DEPTH4 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	96	4	DEPTH5	0004 6000	4 203	75.58	46.8C	3297
N	3	100	1	DEPTH5 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	21	4	TEMPER1	-200 3000	670 866	777.03	30.35	3405
N	3	25	1	TEMPER1 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	41	4	TEMPER2	-200 3000	694 866	777.09	30.26	3376
N	3	45	1	TEMPER2 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			
N	3	61	4	TEMPER3	-200 3000	694 866	777.13	30.1C	3348
N	3	65	1	TEMPER3 1/1000	0 9	NO VALUES FOUND FOR THIS PARAMETER			

N	3	81	4	TEMPER4	-200	3000	698	866	777.30	30.30	3318
N	3	85	1	TEMPER4 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	101	4	TEMPER5	-200	3000	704	866	777.36	30.31	3297
N	3	105	1	TEMPER5 1/1000	0	9	NO VALUES FOUND FOR THIS PARAMETER				
N	3	26	4	SALINITY1	1000	3650	2852	3242	3052.00	62.22	3405
N	3	46	4	SALINITY2	1000	3650	2853	3245	3052.01	62.26	3376
N	3	66	4	SALINITY3	1000	3650	2854	3245	3052.21	61.95	3348
N	3	86	4	SALINITY4	1000	3650	2861	3245	3052.53	62.02	3318
N	3	106	4	SALINITY5	1000	3650	2871	3241	3052.72	61.94	3297
N	3	31	4	SIGMA-T1	0315	3000	2235	2518	2381.65	44.94	3405
N	3	51	4	SIGMA-T2	0315	3000	2237	2520	2381.65	44.86	3376
N	3	71	4	SIGMA-T3	0315	3000	2238	2520	2381.80	45.03	3348
N	3	91	4	SIGMA-T4	0315	3000	2243	2520	2382.03	45.14	3318
N	3	111	4	SIGMA-T5	0315	3000	2249	2517	2382.17	45.04	3297
N	3	35	1	SCANCON1	NO RANGE CHECKING		4	4	4.00	OC	3405
N	3	55	1	SCANCON2	NO RANGE CHECKING		4	4	4.00	OC	3376
N	3	75	1	SCANCON3	NO RANGE CHECKING		4	4	4.00	OC	3348
N	3	95	1	SCANCON4	NO RANGE CHECKING		4	4	4.00	OC	3318
N	3	115	1	SCANCON5	NO RANGE CHECKING		4	4	4.00	OC	3297
N	4	16	5	DEPTH6	00005	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	36	5	DEPTH7	00006	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	56	5	DEPTH8	00007	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	76	5	DEPTH9	00008	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	96	5	DEPTH10	00009	60000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	21	5	DISSOLVUXYGEN1	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	41	5	DISSOLVUXYGEN2	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	61	5	DISSOLVUXYGEN3	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	81	5	DISSOLVUXYGEN4	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	101	5	DISSOLVUXYGEN5	00000	15000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	35	1	SCANCON6	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER				
N	4	55	1	SCANCON7	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER				
N	4	74	1	SCANCON8	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER				
N	4	95	1	SCANCON9	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER				
N	4	115	1	SCANCON10	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER				
N	4	26	5	TRANSMISSIVITY1	00000	99000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	31	4								C
N	4	46	5	TRANSMISSIVITY2	00000	99000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	51	4								C
N	4	66	5	TRANSMISSIVITY3	00000	99000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	71	4								C
N	4	86	5	TRANSMISSIVITY4	00000	99000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	91	4								C
N	4	106	5	TRANSMISSIVITY5	00000	99000	NO VALUES FOUND FOR THIS PARAMETER				
N	4	111	4								C

RECORDS READ 1

3537

END OF PRELIMINARY TEST
PROCEEDING WITH STATION NUMBER TEST

78-0320

NANSEN REF. #

319/48

MULDARS TRACK #

TR2990

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF F022 SOURCE

Archive (TR2990)

corrections made 06/19/84

cmH

RECORD ALL ERRORS FOUND

CONSEC(S)

0001

0016

0023

ERRORS FOUND

- ✓ ~~Last depth~~: delete depth to bottom
C/0010011 to C/-----11
- ✓ Latitude: change C/4511 to C/4811
- ✓ Time - unable to resolve: delete consec
0023

NANSEN REF. #

329146

MULDARS TRACK #

TR 2988 (2879)

MONITOR: CONTACT

DIAMON

LOCATION OF F022 SOURCE

ARCHIVES (TR 2988)

RECORD ALL ERRORS FOUND

<u>station number</u> <u>CONSEC(S)</u>	<u>ERRORS FOUND</u>
1-28	SHIFT TO 2-29 (ENTIRE CONSEC)
29	SHIFT TO 1 (ENTIRE CONSEC)
33	CHANGE LONGITUDE TO 122592 FROM 126259
34	DELETE STATION TIME
54	SHIFT TO 55 (ENTIRE CONSEC)
55	SHIFT TO 54 (ENTIRE CONSEC)
56	DELETE STATION TIME
100-110	SHIFT TO 101-111 (ENTIRE CONSEC)
(111)	SHIFT TO 100 (ENTIRE CONSEC)
112	CHANGE STATION TIME TO 18 $\frac{1}{2}$ FROM 183
116	CHANGE STATION TIME TO 028 FROM 068
120	CHANGE STATION TIME TO 055 FROM 053

~~Muldars~~
All corrections made. CUMH MRL 02/10/84

NANSEN REF. #

329144

MULDARS TRACK #

TR2986

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TR2986)

RECORD ALL ERRORS FOUND

CONSEC(S)

20 and 28
51

ERRORS FOUND

Delete Depth to Btm.
Delete Hour of 17.3

Muldars
Corrections made 10/11/83 - MBL

NANSEN REF. #

329145

MULDARS TRACK #

TR2987

MONITOR: CONTACT

SELKIRK

LOCATION OF F022 SOURCE

ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)

0043

ERRORS FOUND

CHANGE DAY: FROM
28 TO 25

Corrections Made 9/21/83 - m lewis

NANSEN REF. #

319147

MULDARS TRACK #

2989

MONITOR: CONTACT

CHUCK

LOCATION OF F022 SOURCE

AREXIVES

RECORD ALL ERRORS FOUND

CONSEC(S)

SALINITY ERRORS FOUND

5.	140 meters
15.	6
26.	22, 24, 26
28.	40
29.	50
35.	35
36.	14
39.	10
40.	28
43.	35
44.	40
45.	24, 26
74	Delete "depth to bottom"
157	Change longitude to 122°
160 + 163	Delete "depth to bottom"
144	Change time to 084 hours from 074 (deleted depth to bottom)

NANSEN REF. #

329146

MULDARS TRACK #

TR 2988

MONITOR: CONTACT

MARY Hollinger

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

29, 61, 62, 78

ERRORS FOUND

Bad time field

NANSEN REF. #

319148

MULDARS TRACK #

TR2990

MONITOR: CONTACT

MARY Hollinger

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

CONSEC(S)

24

ERRORS FOUND

Bad time field

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7800320	F022	TR2986	0082	313F	32GS	1977/07/19	DK2838	306835
7800320	C022	329144	0082	313F	32GS	1977/07/19	TR2986	306836
7800320	F022	TR2987	0082	313F	32GS	1977/08/23	DK2838	306837
7800320	C022	329145	0082	313F	32GS	1977/08/23	TR2987	306838
7800320	F022	TR2988	0082	313F	32GS	1978/01/12	DK3038	306839
7800320	C022	329146	0082	313F	32GS	1978/01/12	TR2988	306840
7800320	F022	TR2989	0082	313F	310C	1977/09/22	RP30C-77	306841
7800320	C022	319147	0082	313F	310C	1977/09/22	TR2989	306842
7800320	F022	TR2990	0082	313F	310C	1977/12/16	RP30C77D	306843
7800320	C022	319148	0082	313F	310C	1977/12/16	TR2990	306844

(10 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7800320	F022	TR2986	32GS	63	2260	77/07/19	77/07/22
7800320	C022	329144	32GS	63	65	77/07/19	77/07/22
7800320	F022	TR2987	32GS	73	2315	77/08/23	77/08/28
7800320	C022	329145	32GS	73	73	77/08/23	77/08/26
7800320	F022	TR2988	32GS	132	3537	78/01/12	78/01/17
7800320	C022	329146	32GS	132	132	78/01/12	78/01/17
7800320	F022	TR2989	31OC	163	5895	77/09/22	77/09/29
7800320	C022	319147	31OC	163	163	77/09/22	77/09/29
7800320	F022	TR2990	31OC	34	863	77/12/16	77/12/19
7800320	C022	319148	31OC	34	34	77/12/16	77/12/19

(10 rows affected)