

85N6DC 178

ACCESSION  
NUMBER

NODC

8500129

## DATA DOCUMENTATION FORM

F017

FORM 24-13

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

TT 4197-TT 4198

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			
Science Applications, Inc. 13400B Northrup Way Suite 36 Bellevue, WA 98005			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
NOAA/OCSEAP Beaufort Sea Study RU 632		SAI 782	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Zodiak	small boat/moorings	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		US US	7/25/82 9/9/82
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. Beaufort Sea- Angun Lagoon GENERAL AREA 267	
9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)  John B. Vinelli (206) 747-7152			

# 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
Current Speed	cm/sec	Neil Brown ACM	n/a	Averaged and decimated to 10 minutes
Temperature	°C	Neil Brown ACM	n/a	none
Current speed	cm/sec	Aanderaa current meter	n/a	Averaged and decimated to 1 hour
Temperature	°C	Aanderaa current meter	n/a	Averaged and decimated to 1 hour
Conductivity	MMHOS/cm	Aanderaa current meter	n/a	Averaged and decimated to 1 hour
Pressure	decibars	Aanderaa current meter	n/a	Averaged and decimated to 1 hour
Temperature	°C	Aanderaa water level meter	n/a	none
Pressure	decibars	Aanderaa water level meter	n/a	none

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

File

- 1
- 2 NODC File type 015 - current meter
- 3
- 4 Seq 38-881
- 5 NODC File type 017 - pressure gauge
- Seq 19-5352

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Unlabeled tape - 5 files

- File 1: 7033 blocks of 60 characters (1 record each - 60 bytes long)  
 File 2: 879 blocks of 60 characters (1 record each - 60 bytes long)  
 File 3: 848 blocks of 60 characters (1 record each - 60 bytes long)  
 File 4: 1567 blocks of 50 characters (1 record each - 50 bytes long)  
 File 5: 6618 blocks of 50 characters (1 record each - 50 bytes long)

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER John Vinelli (206)747-7152  
 ADDRESS SAI/Northwest 13400B Northrup Way #36, Bellevue, WA 98005

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 checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA WHEN USING TAPE)</p> <p>RU 632</p> <p>File types 015 and 017</p> <p>File ID SAI 782</p> <p>Beaufort Lagoon 7/26/82-9/9/82</p> <p>nine-track/ASCII/800 bpi/ODD</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><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>60(50) bytes/record x/record=blocksize 60(50)</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8 bit bytes</p>

# RECORD FORMAT DESCRIPTION

RECORD NAME NODC File type 015 - current meter (Eulerian)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	always "015"
File identifier	4	6	bytes	A6	
Record type	10	1	bytes	A1	always "1"
Meter number	11	5	bytes	A5	
Text	16	38	bytes	38A1	
Blank	54	1	bytes	1X	
Sequence number	55	6	bytes	26	used for sorting ascending order

# **RECORD FORMAT DESCRIPTION**

**RECORD NAME** NODC File Type Q15 - Current Meter (Eulerian)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	always "015"
File identifier	4	6	bytes	A6	
Record type	10	1	bytes	A1	always "2"
Meter number	11	5	bytes	A5	
Latitude	16	6	bytes	I2,I4	DDMMXX - minutes to hundreths
Hemisphere	22	1	bytes	A1	"N" or "S"
Longitude	23	7	bytes	I3,I4	DDMMXX - minutes to hundreths
Hemisphere	30	1	bytes	A1	"E" or "W"
Depth to bottom	31	5	bytes	I5	whole meters
Depth of current meter	36	5	bytes	I5	meters to tenths
Meter usage sequence number	41	3	bytes	I3	
Initiation	44	2	bytes	A2	use code 0218
Axis rotation	46	3	bytes	I3	
Location name	49	6	bytes	A6	
Number of detail records	55	6	bytes	I6	number of detail records to follow

# RECORD FORMAT DESCRIPTION

RECORD NAME NODC File Type 015 - Current Meter (Eulerian)

FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	always "015"
File identifier	4	6	bytes	A6	
Record types	10	1	bytes	A1	always "3"
Meter number	11	5	bytes	A5	
Date (GMT)	16	6	bytes	3I2	YYMMDD
Time (GMT)	22	6	bytes	I2,I4	hours, minutes to hundreths
E-W current component	28	6	bytes	I6	cm/sec to hundreths, east positive
N-S current component	34	6	bytes	I6	cm/sec to hundreths north positive
Temperature	40	5	bytes	I5	°C to thousandths
Pressure	45	5	bytes	I5	decibars to tenths
Conductivity	50	4	bytes	I4	MMHOS/cm to hundreths
Blank	54	1	bytes	1X	
Sequence number	55	6	bytes	I6	ascending order for sorting

# RECORD FORMAT DESCRIPTION

RECORD NAME NODC File Type 017 - Pressure Gauge

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	always "017"
File identifier	4	6	bytes	A6	
Record type	10	1	bytes	A1	always "2"
Gauge number	11	5	bytes	A5	
Latitude	16	6	bytes	I2,I4	DDMMXX - minutes to hundreths
Hemisphere	21	1	bytes	A1	"N" or "S"
Longitude	22	7	bytes	I3,I4	DDMMXX - minutes to hundreths
Hemisphere	30	1	bytes	A1	"E" or "W"
Depth of pressure gauge	31	5	bytes	I5	meters to tenths
Number of detail records	36	5	bytes	I5	number of detail records to follow
Blank	41	10	bytes	10X	

# RECORD FORMAT DESCRIPTION

ORD NAME NODC File Type 017 - Pressure Gauge

FIELD NAME	15. POSITION FROM -1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	always "017"
File identifier	4	6	bytes	A6	
Record type	10	1	bytes	A1	always "3"
Gauge number	11	5	bytes	A5	
Depth to bottom	16	5	bytes	I5	whole meters
Meter usage sequence number	21	3	bytes	I3	
Institution	24	2	bytes	A2	use code 0218
Location name	26	6	bytes	A6	
Blank	32	19	bytes	19X	

# RECORD FORMAT DESCRIPTION

RD NAME NODC File Type 017 - Pressure Gauge

RD 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 "017"
File identifier	4	6	bytes	A6	
Record type	10	1	bytes	A1	always "4"
Gauge number	11	5	bytes	A5	
Date (GMT)	16	6	bytes	3I2	YYMMDD
Time (GMT)	22	6	bytes	I2,I4	hour, minutes to hundreths
Total pressure	28	8	bytes	I8	decibars to thousandths
Sequence number	36	5	bytes	I5	used for sorting
Temperature	41	5	bytes	I5	°C to thousandths
Blank	46	5	bytes	5X	



**Laboratory for the Study of Information Science**  
**University of Rhode Island**

May 31, 1985

Mr. Sid Halminski  
NODC Page Building 1  
2001 Wisconsin Avenue  
Washington, D.C. 20235

Dear Sid:

Enclosed are two magnetic tapes with data to be archived.

Volume RU6322 contains File Type 017 data from John B. Vinelli, RU 632, File Identifiers SA7824 and SA7825. Please note that the DDF for these data makes reference to three files of File Type 015 data: those data files were sent to you April 19, 1985. There is a Tape Specification Form for Volume RU6322 as well.

Volume RU6462 contains two data sets of File Type 022 data, File Identifiers SAI883 and SAI384, also from John B. Vinelli. In this case, the Research Unit number was given as 646. A DDF from the originator and an LSIS Tape Specification Form are provided to accompany this volume.

Special thanks are owed to John Gunn at SAI, who resolved questions about these data sets. His help has made it possible for us to complete our processing and send them on to you.

Sincerely,

*Nancy W. Clayton*  
Nancy W. Clayton

cc: John Gunn  
David J. Friis  
William C. Johnson



**TAPE SPECIFICATION FORM**

**Tape Volume Name -- RU6322**

**Recording Specifications --**

<b>Tracks:</b>	<b>9</b>	<b>Tape Files:</b>	<b>1</b>
<b>Density:</b>	<b>1600</b>	<b>Record Format:</b>	<b>FIXED BLOCKED</b>
<b>Parity:</b>	<b>ODD</b>	<b>Record Length:</b>	<b>50</b>
<b>Mode:</b>	<b>EBCDIC</b>	<b>Block Size:</b>	<b>500</b>
<b>Label:</b>	<b>NON-LABELED</b>		

**Data Specifications --**

**Received From:** John B. Vinelli (John Gunn, SAI) RU 632 --

**Coding Format:** File Type 017 **85 NODE 178**

**Data Set Names:**

**File# Name**

<b>1</b>	<b>SA7824</b>
	<b>SA7825</b>

Error Correction Documentation Form

DATE:

TO:

85N0DC 178

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8500129

- 1) File Type.: FOI7  
2) Project Ident.: OCSEAP  
3) Track Nos.: TT4197 - TT4198

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

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

85N0DC 178

ACCESSION/TRACK # 8500129

TT4197 - TT4198

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORD
ORIGINATOR TAPE	4/11/85	U	RU6322	1	500	50	6187
QUADI/SCAN TAPE							
ASSIGNED FOR PROCESS.	7/2/85	U	WD9375	3	3000	50	6187
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)

ACCESS/TRACK NO.:

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	RU6322	NL	50	500	FB	EBCDIC	6184
DUPLICATE	W09375	SL	50	3000	FB	ASCII DSN PNUDC '86	6184 NDC178
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

USER NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK #	DATE SUBMITTED <b>6/12/85</b>	DATE DUE	BIN # <b>33</b>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**7 MAKE SL COPY. RUN SCAN ON OUTPUT AND ALSO PRINT 3 PAGES OF RECORDS**

**85N6DC 178**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT <b>TAPE</b> PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
INPUT	<b>RU6322</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>50</b>	<b>500</b>	<b>1</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII <b>EBCDIC</b> BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE
OUTPUT	<b>WD9375</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>SL</b>	<b>FB</b>	<b>50</b>	<b>3000</b>	<b>3</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <b>DN6D 85N6D 178</b>			PUR DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>5761204</b>	<b>6/12/85</b>			<b>C</b>	<b>M-TAO - M-TA1-2 mounts</b>

COMMENTS

*Completed by E.G. Snider*

USER NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK #	DATE SUBMITTED <b>6/11/85</b>	DATE DUE	BIN <b>33</b>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**5017**

**SCAN AND PRINT 3 PAGES OF RECORDS**

**85 Node 178**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
INPUT	<b>RU6322</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>50</b>	<b>500</b>	<b>/</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII <b>EBCDIC</b> BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>85061111</b>	<b>6/11/85</b>			<b>C</b>	<b>MTA - 1 mount</b>

COMMENTS

**Completed by E.G. Mason**

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8500129	F022	TT4196	0081	31SA	314K	1984/02/28	SAI384	153223
8500129	C022	319519	0081	31SA	314K	1984/02/28	TT4196	153224
8500129	F017	TT4197	0081	31SA	317F	1982/07/25	SAI782	153225
8500129	F017	TT4198	0081	31SA	317F	1982/08/05	SAI782	153226
8500129	F022	TT4195	0081	31SA	31DS	1983/08/12	SAI883	153221
8500129	C022	319518	0081	31SA	31DS	1983/08/12	TT4195	153222

(6 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8500129	F022	TT4196	314K	45	656	84/02/28	84/03/08
8500129	C022	319519	314K	45	45	84/02/28	84/03/08
8500129	F017	TT4197	317F	1	847	82/07/25	82/07/25
8500129	F017	TT4198	317F	2	5337	82/08/05	82/09/01
8500129	F022	TT4195	31DS	84	1181	83/08/12	83/08/21
8500129	C022	319518	31DS	85	85	83/08/12	83/08/21

(6 rows affected)

Error Correction Documentation Form

DATE:

TO:

85N0DC 179

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8500129

- 1) File Type: F022/C022
- 2) Project Ident.: 0CSEAP
- 3) Track Nos.: TT4195 - TT4196  
REF 319518 - 319519

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

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

85N00C179

ACCESSION/TRACK # 8500129

TT4195 - TT4196

REF 319518 - 319519

<u>Step</u>	<u>Completion Date/Init.</u>		<u>Tape # or DSN</u>	<u># of Files</u>	<u>BLKSIZE</u>	<u>LRECL</u>	<u># RECOR</u>
ORIGINATOR TAPE		18	RU6462	1	2400	120	1842
QUADI/SCAN TAPE							
ASSIGNED FOR PROCESS.		4	W09560	3	2400	120	1842
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)

SESSION/TRACK NO.: 8500129 TT 4195 - TT 4196 (REF 319518 - 319519)

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	RU6462	NL	120	2400	FB		1842
DUPLICATE	W09560	SL	120	2400	FB	DSN DN0PC 85 MOD 179	1842
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							



*85 ADR 179*

May 31, 1985

Mr. Sid Halminski  
NODC Page Building 1  
2001 Wisconsin Avenue  
Washington, D.C. 20235

Dear Sid:

Enclosed are two magnetic tapes with data to be archived.

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Special thanks are owed to John Gunn at SAI, who resolved questions about these data sets. His help has made it possible for us to complete our processing and send them on to you.

Sincerely,

*Nancy W. Clayton*  
Nancy W. Clayton

cc: John Gunn  
David J. Friis  
William C. Johnson



**TAPE SPECIFICATION FORM**

**Tape Volume Name -- RU6462**

**Recording Specifications --**

<b>Tracks:</b>	<b>9</b>	<b>Tape Files:</b>	<b>1</b>
<b>Density:</b>	<b>1600</b>	<b>Record Format:</b>	<b>FIXED BLOCKED</b>
<b>Parity:</b>	<b>ODD</b>	<b>Record Length:</b>	<b>120</b>
<b>Mode:</b>	<b>EBCDIC</b>	<b>Block Size:</b>	<b>2400</b>
<b>Label:</b>	<b>NON-LABELED</b>		

**Data Specifications --**

**Received From:** John B. Vinelli (John Gunn, SAI) RU 646

**Coding Format:** File Type 022 **85 NDC 179**

**Data Set Names:**

**File# Name**

<b>1</b>	<b>SAI883</b>
	<b>SAI384</b>

USER NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK #	DATE SUBMITTED <b>6/12/85</b>	DATE DUE	BIN # <b>33</b>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**F022/C022**

**MAKE SL COPY. RUN (2) SCANS ON OUTPUT  
AND ALSO PRINT 3 PAGES OF OUTPUT TAPE TWICE**

**85N0DC 179**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT <b>TAPE</b> PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	<b>RU6462</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>120</b>	<b>2400</b>	<b>1</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII <b>EBCDIC</b> BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<b>W09560</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>SL</b>	<b>FB</b>	<b>120</b>	<b>2400</b>	<b>3</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <b>DN0DC 85N0DC 179</b>			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
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D731 USE ONLY					
JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>85041203</b>	<b>6/12/85</b>			<b>C</b>	<b>MTAD - MTAI - 2 inaint</b>

COMMENTS

*Completed by E. G. Smar*

USER NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK #	DATE SUBMITTED <b>6/11/85</b>	DATE DUE	BIN <b>33</b>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**F022**

**SCAN AND PRINT 3 PAGES OF RECORDS**

**85 NODC 179**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
INPUT	<b>RU6462</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>126</b>	<b>2400</b>	<b>/</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII <b>EBCDIC</b> BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
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D731 USE ONLY					
JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>15061110</b>	<b>6/18/85</b>			<b>C</b>	<b>MTAO - 1 mount</b>

COMMENTS

*Completed by E.G. Maso*

85NODC 179

NODC

ACCESSION  
NUMBER

8500129

## DATA DOCUMENTATION FORM

F022/C022

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

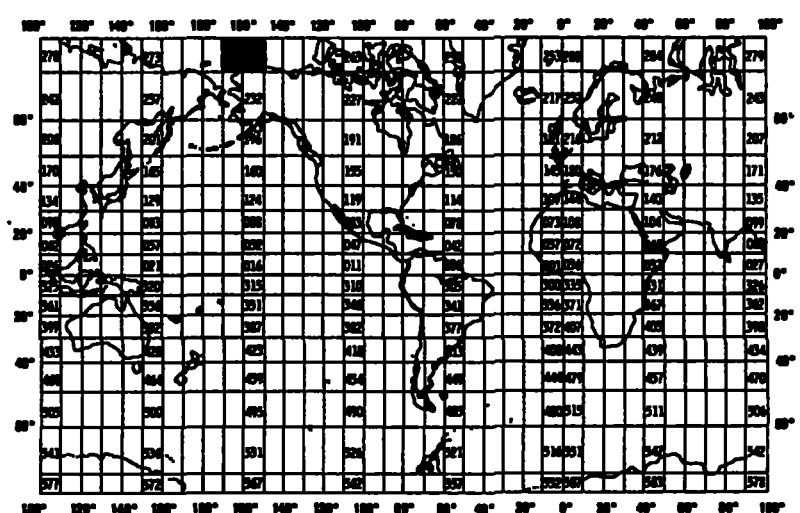
This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, 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.

TT4195 - TT4196

## A. ORIGINATOR IDENTIFICATION

319518 - 319519

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 Science Applications International Corporation 13400B Northrup Way, Suite 36 Bellevue, WA 98005			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED NOAA/OCSEAP Chukchi Sea Study RU 646		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT SAI 883 SAI 384	
4. PLATFORM NAME(S) Discoverer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR US US	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 8/17/83 3/84
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. Chukchi Sea Peard Bay GENERAL AREA 268-269	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" 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)  John B. Vinelli (206) 747-7152			

# 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
Temperature Salinity Depth	Deg C o/oo Meters	Plessey 9040	N/A	Interpolated to 0.5 m depths and boxcar filtered with 2.5 m window
Temperature Salinity Depth	Deg C o/oo Meters	Microsystems CTD Model STD-12	N/A	No processing raw data
Temperature Salinity Depth	Deg C o/oo Meters	Microsystems CTD	N/A	Interpolated to 0.5 m depth and boxcar filtered with 2.5 m window

### 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**

File

1  
2  
3  
4  
5  
6

NODC File type 022 - CTD/STD recorder Data (F022)

**2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION**

Unlabeled tape - 6 files

File 1	23 records	6000 bytes	1 record	4800 bytes
File 2	1 record	720 bytes		
File 3	1 record	3840 bytes		
File 4	1 record	5040 bytes		
File 5	1 record	3480 bytes		
File 6	10 records	6000 bytes	1 record	5880 bytes

**3. ATTRIBUTES AS EXPRESSED IN** ☐ PL-1 ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ \_\_\_\_\_ LANGUAGE

**4. RESPONSIBLE COMPUTER SPECIALIST:**

NAME AND PHONE NUMBER John Vinelli (206) 747-7152

ADDRESS SAI/NW 13400B Northrup Way, Suite 36 Bellevue, WA 98005

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<b>5. RECORDING MODE</b> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
<b>6. NUMBER OF TRACKS (CHANNELS)</b> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<b>10. END OF FILE MARK</b> <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>  RU 646 File type: 022 File ID SAI 883 SAI 384 Chukchi Sea 8/17/83-3/84 nine-track, ASCII 800 bpi, odd parity
<b>8. DENSITY</b> <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
	<b>13. LENGTH OF BYTES IN BITS</b> 8 bit bytes

# RECORD FORMAT DESCRIPTION

RECORD NAME NODC File type 022 - CTD/STD Data

FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<u>SEE ATTACHED</u>					

### 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 (✓)	
Plessy CTD			NOAA		✓				
Microsystems CTD-12			Microsystems					✓	
Microsystems STD-12			Microsystems					✓	

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### File structure -

Eight 120-character records: (1) Text Record, (2) Master Record, (3) Detail Record 1, (4) Detail Record 2, (5) Detail Record 3, (6) Detail Record 4, (7) Detail Record 5, and (8) Detail Record 6.

### File format -

#### CTD/STD Recorder Data (F022)

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
SAMPLE INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
SAMPLE INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	65
DRY BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	89
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102

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DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117
DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
DEPTH	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	46
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	55
DEPTH	XXXXX (METERS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	66
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	75
DEPTH	XXXXX (METERS TO TENTHS)	78
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	86
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	95
DEPTH	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	106
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

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DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	36
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	41
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	56
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	61
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	66
BLANKS		71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	75
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	76
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	81
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	86
BLANKS		91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	96
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	101
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	106
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	115
	SCANNING DATA - USE CODE 0080	
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116
DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	66
BLANKS		71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	75
	SCANNING DATA - USE CODE 0080	
DEPTH	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	86
BLANKS		91

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SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
DEPTH	SCANNING DATA - USE CODE 0080	
TEMPERATURE	XXXXX (METERS TO TENTHS)	96
	XXXXX NEGATIVE TEMPERATURES ARE	101
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	106
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	116
SEQUENCE NUMBER	SCANNING DATA - USE CODE 0080	
	XXXXX - USED FOR SORTING DATA RECORDS	116
DETAIL RECORD 4	ALWAYS '6'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (DECIBARS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	21
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	26
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE 0080	
PRESSURE	XXXXX (DECIBARS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	41
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	46
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE 0080	
PRESSURE	XXXXX (DECIBARS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	61
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	66
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	75
	SCANNING DATA - USE CODE 0080	
PRESSURE	XXXXX (DECIBARS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	81
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	86
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
	SCANNING DATA - USE CODE 0080	
PRESSURE	XXXXX (DECIBARS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	101
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
SALINITY	XXXXX - PARTS PER THOUSAND TO	106
	THOUSANDTHS	
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	115
	SCANNING DATA - USE CODE 0080	
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

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DETAIL RECORD 5	ALWAYS '7'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (DECIBARS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
PRESSURE	XXXXX (DECIBARS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	55
PRESSURE	XXXXX (DECIBARS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	66
BLANKS		71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	75
PRESSURE	XXXXX (DECIBARS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	86
BLANKS		91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	95
PRESSURE	XXXXX (DECIBARS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	106
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

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DETAIL RECORD G	ALWAYS '8'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX - (DECIBARS TO TENTHS)	16
TEMPERATURE	XXXXX - DEG C TO THOUSANDTHS	21
SALINITY	XXXXX - PPT TO THOUSANDTHS	26
DISSOLVED OXYGEN	XXXX - MILLILITERS/LITER	31
SCAN CONDITION CODE	ONE-CHARACTER CODE - USE 0080	35
PRESSURE	XXXXX - (DECIBARS TO TENTHS)	38
TEMPERATURE	XXXXX - DEG C TO THOUSANDTHS	41
SALINITY	XXXXX - PPT TO THOUSANDTHS	46
DISSOLVED OXYGEN	XXXX - MILLILITERS/LITER	51
SCAN CONDITION CODE	ONE-CHARACTER CODE - USE 0080	55
PRESSURE	XXXXX - (DECIBARS TO TENTHS)	56
TEMPERATURE	XXXXX - DEG C TO THOUSANDTHS	61
SALINITY	XXXXX - PPT TO THOUSANDTHS	66
DISSOLVED OXYGEN	XXXX - MILLILITERS/LITER	71
SCAN CONDITION CODE	ONE-CHARACTER CODE - USE 0080	75
PRESSURE	XXXXX - (DECIBARS TO TENTHS)	76
TEMPERATURE	XXXXX - DEG C TO THOUSANDTHS	81
SALINITY	XXXXX - PPT TO THOUSANDTHS	86
DISSOLVED OXYGEN	XXXX - MILLILITERS/LITER	91
SCAN CONDITION CODE	ONE-CHARACTER CODE - USE 0080	95
PRESSURE	XXXXX - (DECIBARS TO TENTHS)	96
TEMPERATURE	XXXXX - DEG C TO THOUSANDTHS	101
SALINITY	XXXXX - PPT TO THOUSANDTHS	106
DISSOLVED OXYGEN	XXXX - MILLILITERS/LITER	111
SCAN CONDITION CODE	ONE-CHARACTER CODE - USE 0080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116