TR4439-4443 | ACCESSION NUMBER | 79-0250

DDF-B:1:18

DATA DOCUMENTATION FORM

TR-4439-43 OTEC F022

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-R;

319188-319192 C022

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.

① V.K. JUN '78 - TR4439
② V.K. Aug '78 - TR4440
③ V.K. Oct-Nov '78 - TR4441
④ Researcher Jul-Aug '78 - TR4442
⑤ V.K. Dec '78 - TR4443

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/AOML/PHOL
15 RICKENBACKER CAUSEWAY
MIAMI, FLORIDA 33149

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

PROGRAM - OTEC

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

4. PLATFORM NAME(S)

VIRGINIA KEY
RESEARCHER

5. PLATFORM TYPE(S)

3186 SHIP
3175

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
R/V	NOAA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
6/12/78	12/19/78

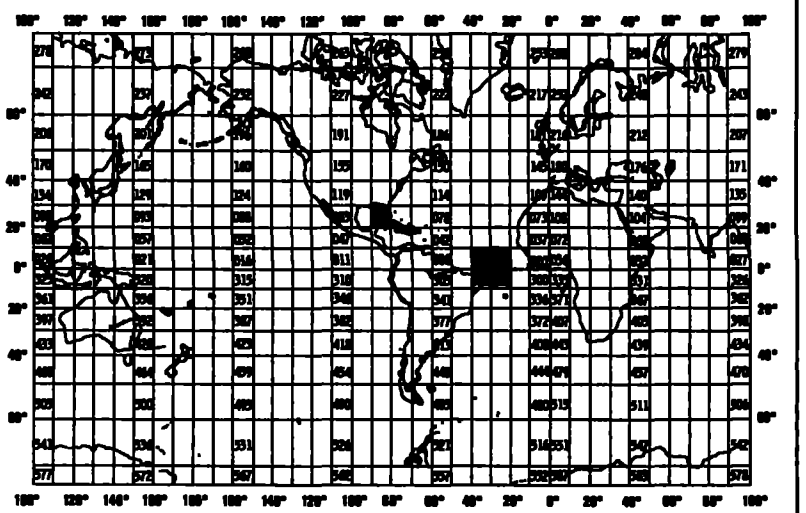
8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

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

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)*

DR. ROBERT MOLINARI
305-361-3361 X326

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model 5510)	N/A (not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	ϕ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING TWO PAGES FOR THIS INFORMATION)

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 TEMPERATURE SALINITY RESEARCHER JULY-AUGUST 1978 CRUISE (4442) VIRGINIA KEY DEC 1978 CRUISE (4443)	METERS °C °/oo	STD PLESSEY 9040	METER WHEEL Reversing Thermometer Inductive Salinometer	Electronic data corrected to seperate recorded water sample data. Gate and gradient filters applied. Then data averaged over 3 successive values. Then interpolated every two meters
DEPTH TEMPERATURE SALINITY VIRGINIA KEY JUNE 1978 (4439) " " AUGUST 1978 (4440) " " OCT-NOV. 1978 (4441)	METERS °C °/oo	STD PLESSEY 9060	METER WHEEL Reversing Thermometer Inductive Salinometer	Electronic data corrected to seperate recorded water sample. Data recorded on strip chart and read off at 20 meter intervals

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

OTEC

C. DATA FORMAT STD

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

4-17-78

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

ORIG. tape

Four (4) record types, text record (1), master record (2), and detail record (3), and detail 2 record (4) differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File sorted by station number (cast number), record type and sequence number to obtain proper sequence.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER JOHN HAZELWORTH 305-361-3361 - 326
ADDRESS NOAA/AOML/PHOL RICKENBACKER CAUSEWAY
MIAMI, FLORIDA 33149

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)

P01677 (NL)

12. PHYSICAL BLOCK LENGTH IN BYTES 120

13. LENGTH OF BYTES IN BITS 120

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

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 D752 - NOAA/EDIS/NODC - 202-634-7505
ADDRESS WASHINGTON, DC. 20235

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)

10078 (SL)

DSN = TR4439

12. PHYSICAL BLOCK LENGTH IN BYTES
4800

13. LENGTH OF BYTES IN BITS
120

NOAA FORM 24-13

USCOMM-DC 44289-P72

RECORD FORMAT DESCRIPTION STD

2-20-76

RECORD NAME TEXT RECORD (OPTIONAL)

14. [redacted] NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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
Text	16	100	Bytes	100A1	Additional pertinent information
Sequence Number	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 (GMT)
Month	48	2	Bytes	I2	1-12 (GMT)
Day	50	2	Bytes	I2	1-31 (GMT)
Hour	52	2	Bytes	I2	0-23 (GMT)
Minutes	54	2	Bytes	I2	0-59 (GMT)
Depth Interval Indicator	56	1	Bytes	I1	'0' equals unequally spaced depths '1' equals equal spaced depths
Depth Interval	57	3	Bytes	I3	When above equals '1', the depth interval, to tenths of meters reported.
Barometric [redacted]sure	60	5	Bytes	I5	Millibars to tenths

RECORD FORMAT DESCRIPTION STD

2-20-76

RECORD NAME MASTER RECORD CONTINUED

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 } SCAN
Salinity	26	5	Bytes	I5	P.P.T. to thousandths } DATA
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 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 STD 9040	NA	✓			BEFORE CRUISE				
PLESSEY STD 9060	NA	✓			BEFORE CRUISE				

LRECL = 120

1. Tape Spec

for 9 Track? 7 T-K

BLKSIZE = 120

Density — 800

Parity = EVEN

2. Arrangement of data on tape.

Is all U.K. data together, or is it separated by Researcher data?

Filetype 022-5 ~~26~~ 44

2634 13394 (C4164)

120/4800, F022 #1 ~~0~~020121

TR 4169-4173, 4400, (4439-4443), 4449-4451, 4459-4460, 4936-4938, 5102, 5487-5492, 5598-5605, 5734-5737, 5917-5918 5314-5315, 5322-5323

184,261
~~164,676~~

Accession No: 79-0250

OTEC
ID: ~~OCS-N. ATLANTIC~~

```
NSDCHEK *** NON-STANDARD DATA FIELD CHECKING PROGRAM
THIS IS 01/11/79 VERSION WITH FULL CODE CHECKING

USER'S INPUT REQUESTS FOLLOW:
LRECL HAS BEEN SPECIFIED AS 120
STATION HEADER RECORD SPECIFIED AS 2
RECORD TYPES FLAGGED FOR RETRIEVAL ARE = 12345
STATION STARTS IN POSITION  11 FOR  5 BYTES
STATION WILL APPEAR ON RECORD TYPES : 2345
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILETYPE IS 022

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED
*******************************************************************************************
022TR44391    1STD CRUISE ON RV VIRGINIA KEY, DATE JUNE 12-15, 1978, AREA IS    EASTERN GULF OF MEXICO                .1
   ??????
FIRST FILE ID
THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NO CHECKING
```

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW	RANGE TESTED HIGH	ACTUAL RANGE LOWEST	ACTUAL RANGE HIGHEST	MEAN	S. DEV	COUNT	FP	FP=1	>=1
M	2	16	2	LAT DEG	0	89	27	29	27.79	1.23	5	5	0	0
M	2	18	4	LAT MIN TO .01	0	5999	820	3917	2666.00	1415.75	5	5	0	0
C	2	22	1	0500LAT HEM							5			
M	2	23	3	LON DEG	0	179	85	87	85.79	1.03	5	5	0	0
M	2	26	4	LON MIN TO .01	0	5999	3233	3809	3557.19	217.83	5	5	0	0
C	2	30	1	0501LON HEM							5			
N	2	41	5	NUM. OF SCANS/STATION AT 5/REC	1	99999	25	45	30.00	7.74	5	5	0	0
M	2	46	2	YEAR	NO RANGE CHECKING		78	78	78.00	00	5	5	0	0
M	2	48	2	MONTH	1	12	6	6	6.00	00	5	5	0	0
M	2	50	2	DAY	1	31	12	15	13.39	1.45	5	5	0	0
M	2	52	2	HOUR	0	23	2	17	8.59	5.55	5	5	0	0
N	2	54	2	MINUTE	0	59	0	30	14.00	13.56	5	5	0	0
C	2	56	1	0216DEPTH INTERVAL INDIC.							5			
N	2	57	3	DEPTH INTVL. METERS TO .1	1	999	200	200	200.00	00	5	5	0	0
N	2	60	4	BAROMETRIC PRESS MB TO .1	944	1050	1017	1018	1017.50	50	2	2	0	0
N	2	65	4	WET-BULB DEG CENTIGRADE TO .1	-300	400	NO VALUES FOUND FOR THIS PARAMETER							
N	2	69	4	DRY-BULB DEG C TO .1	-300	400	NO VALUES FOUND FOR THIS PARAMETER							
C	2	73	2	0110 WIND DIR IN TENS OF DEG							2			
N	2	75	2	WIND SPEED IN KILOMETERS	0	70	0	5	2.50	2.50	2	2	0	0
C	2	77	1	0108WEATHER CODE							1			
C	2	78	1	0109SEA STATE CODE			NO VALUES FOUND FOR THIS PARAMETER							
C	2	79	1	0157VISIBILITY CODE							1			
C	2	80	1	0053CLOUD TYPE CODE			NO VALUES FOUND FOR THIS PARAMETER							
C	2	81	1	0105CLOUD AMOUNT CODE							1			
N	2	108	5	BOTTOM DEPTH IN WHOLE METERS	0	8000	1400	2200	1880.00	391.91	5	5	0	0
N	2	113	4	MAX DEPTH OF CAST METERS	0	6000	480	880	580.00	154.91	5	5	0	0
B	2	117	4								5			
N	3	16	5	DEPTH1 METERS TO .1	0	60000	0	8000	2700.00	2084.06	30	30	0	0
N	3	36	5	DEPTH2 METERS TO .1	1	60000	200	8200	2900.00	2084.06	30	30	0	0
N	3	56	5	DEPTH3 METERS TO .1	2	60000	400	8400	3100.00	2084.06	30	30	0	0
N	3	76	5	DEPTH4 METERS TO .1	3	60000	600	8600	3300.00	2084.06	30	30	0	0
N	3	96	5	DEPTH5 METERS TO .1	4	60000	800	8800	3500.00	2084.06	30	30	0	0
N	3	21	5	TEMPER1 DEGREES C TO .001	-2000	33000	5639	28340	14951.93	6854.47	30	30	0	0
N	3	41	5	TEMPER2 DEGREES C TO .001	-2000	33000	5530	26091	14091.33	6057.76	30	30	0	0
N	3	61	5	TEMPER3 DEGREES C TO .001	-2000	33000	5370	22122	13096.00	4932.01	30	30	0	0
N	3	81	5	TEMPER4 DEGREES C TO .001	-2000	33000	5230	19714	12405.83	4419.66	30	30	0	0
N	3	101	5	TEMPER5 DEGREES C TO .001	-2000	33000	5129	18845	11931.23	4209.32	30	30	0	0
N	3	26	5	SALINITY1 PPT TO .001	10000	38000	33619	36419	35545.13	678.18	30	30	0	0
N	3	46	5	SALINITY2 PPT TO .001	10000	38000	34859	36378	35679.23	473.83	30	30	0	0

N	4	16	5	DEPTH6 IN METERS TO .1			5	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	4	36	5	DEPTH7 IN METERS TO .1			6	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	4	56	5	DEPTH8 IN METERS TO .1			7	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	4	76	5	DEPTH9 IN METERS TO .1			8	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	4	96	5	DEPTH10 IN METERS TO .1			9	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	4	21	5	DISSOLVED OXYGEN1 ML/L TO .001			1	15000	NO VALUES FOUND FOR THIS PARAMETER
N	4	41	5	DISSOLVED OXYGEN2 ML/L TO .001			1	15000	NO VALUES FOUND FOR THIS PARAMETER
N	4	61	5	DISSOLVED OXYGEN3 ML/L TO .001			1	15000	NO VALUES FOUND FOR THIS PARAMETER
N	4	81	5	DISSOLVED OXYGEN4 ML/L TO .001			1	15000	NO VALUES FOUND FOR THIS PARAMETER
N	4	101	5	DISSOLVED OXYGEN5 ML/L TO .001			1	15000	NO VALUES FOUND FOR THIS PARAMETER
C	4	35	1	0080SCAN CONDITION6 CODE					NO VALUES FOUND FOR THIS PARAMETER
C	4	55	1	0080SCAN CONDITION7 CODE					NO VALUES FOUND FOR THIS PARAMETER
C	4	74	1	0080SCAN CONDITION8 CODE					NO VALUES FOUND FOR THIS PARAMETER
C	4	95	1	0080SCAN CONDITION9 CODE					NO VALUES FOUND FOR THIS PARAMETER
C	4	115	1	0080SCAN CONDITION10 CODE					NO VALUES FOUND FOR THIS PARAMETER
N	4	26	5	TRANSMISSIVITY1 % TO .001			1	99000	NO VALUES FOUND FOR THIS PARAMETER
B	4	31	4						NO VALUES FOUND FOR THIS PARAMETER
N	4	46	5	TRANSMISSIVITY2 % TO .001			1	99000	NO VALUES FOUND FOR THIS PARAMETER
B	4	51	4						NO VALUES FOUND FOR THIS PARAMETER
N	4	66	5	TRANSMISSIVITY3 % TO .001			1	99000	NO VALUES FOUND FOR THIS PARAMETER
B	4	71	4						NO VALUES FOUND FOR THIS PARAMETER
N	4	86	5	TRANSMISSIVITY4 % TO .001			1	99000	NO VALUES FOUND FOR THIS PARAMETER
B	4	96	4						NO VALUES FOUND FOR THIS PARAMETER
N	4	106	5	TRANSMISSIVITY5 % TO .001			1	99000	NO VALUES FOUND FOR THIS PARAMETER
B	4	111	4						NO VALUES FOUND FOR THIS PARAMETER
N	5	16	5	DEPTH1 METERS TO .1			0	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	5	36	5	DEPTH2 METERS TO .1			1	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	5	56	5	DEPTH3 METERS TO .1			2	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	5	76	5	DEPTH4 METERS TO .1			3	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	5	96	5	DEPTH5 METERS TO .1			4	.60000	NO VALUES FOUND FOR THIS PARAMETER
N	5	21	5	TEMPER1 DEGREES C TO .001		±2000		.20000	NO VALUES FOUND FOR THIS PARAMETER
N	5	41	5	TEMPER2 DEGREES C TO .001		±2000		.20000	NO VALUES FOUND FOR THIS PARAMETER
N	5	61	5	TEMPER3 DEGREES C TO .001		±2000		.20000	NO VALUES FOUND FOR THIS PARAMETER
N	5	81	5	TEMPER4 DEGREES C TO .001		±2000		.20000	NO VALUES FOUND FOR THIS PARAMETER
N	5	101	5	TEMPER5 DEGREES C TO .001		±2000		.20000	NO VALUES FOUND FOR THIS PARAMETER
N	5	26	5	CONDUCT1 MMHO/CM TO .001		15000		55000	NO VALUES FOUND FOR THIS PARAMETER
N	5	46	5	CONDUCT2 MMHO/CM TO .001		15000		55000	NO VALUES FOUND FOR THIS PARAMETER
N	5	66	5	CONDUCT3 MMHO/CM TO .001		15000		55000	NO VALUES FOUND FOR THIS PARAMETER
N	5	86	5	CONDUCT4 MMHO/CM TO .001		15000		55000	NO VALUES FOUND FOR THIS PARAMETER
N	5	106	5	CONDUCT5 MMHO/CM TO .001		15000		55000	NO VALUES FOUND FOR THIS PARAMETER
N	5	31	4	SIGMA-T1 TO .01		315		3000	NO VALUES FOUND FOR THIS PARAMETER
N	5	51	4	SIGMA-T2 TO .01		315		3000	NO VALUES FOUND FOR THIS PARAMETER
N	5	71	4	SIGMA-T3 TO .01		315		3000	NO VALUES FOUND FOR THIS PARAMETER
N	5	91	4	SIGMA-T4 TO .01		315		3000	NO VALUES FOUND FOR THIS PARAMETER
N	5	111	4	SIGMA-T5 TO .01		315		3000	NO VALUES FOUND FOR THIS PARAMETER
C	5	35	1	0080SCAN CONDITION CODE					NO VALUES FOUND FOR THIS PARAMETER
C	5	55	1	0080SCAN CONDITION CODE					NO VALUES FOUND FOR THIS PARAMETER
C	5	75	1	0080SCAN CONDITION CODE					NO VALUES FOUND FOR THIS PARAMETER
N	5	95	1	0080SCAN CONDITION CODE	NO RANGE CHECKING				NO VALUES FOUND FOR THIS PARAMETER
N	5	115	1	0080SCAN CONDITION CODE	NO RANGE CHECKING				NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ : 116

```
 C 5  75   I 0080SCAN CONDITION CODE                                  NO VALUES FOUND FOR THIS PARAMETER
 N 5  95   I 0080SCAN CONDITION CODE         NO RANGE CHECKING        NO VALUES FOUND FOR THIS PARAMETER
 N 5 115   I 0080SCAN CONDITION CODE         NO RANGE CHECKING        NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ :          40
```

NANSEN REF. #

319191

MULDARS TRACK #

TR4442

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF F022 SOURCE

Archives (TR4442)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF. #

319190

MULDARS TRACK #

TR4441

MONITOR: CONTACT

DAMON

LOCATION OF F022 SOURCE

ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
4	SAL. AT 340 M
8	SAL. AT 700 M
10	TEMP AT 440M
10	SAL AT 460M

NANSEN REF. #

319191

MULDARS TRACK #

TR4492

MONITOR: CONTACT

Mary Hollinger

LOCATION OF F022 SOURCE

Archives (TR4492)

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
36	last depth recd - delete '1' in col 36

NANSEN REF. #

31992

MULDARS TRACK #

TR 4443

MONITOR: CONTACT

Mary Hollinger

LOCATION OF F022 SOURCE

Archive

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

non-ascending depth

NANSEN REF. #

319192

MULDARS TRACK #

TR4443

MONITOR: CONTACT

Mary Hollinger

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
1	non-ascending depth (extraneous '1' in col 36 of last depth record)

NANSEN REF. #

319192

MULDARS TRACK #

TR4443

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF F022 SOURCE

Archives (TR4443)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

0

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7900250 F022 TR4442 0095 311A 3175    1978/07/24 RE0778       309697
 7900250 C022 319191 0095 311A 3175    1978/07/24 TR4442       309698
 7900250 F022 TR4439 0095 311A 3186    1978/06/12 VK7806       309691
 7900250 C022 319188 0095 311A 3186    1978/06/12 TR4439       309692
 7900250 F022 TR4440 0095 311A 3186    1978/08/19 VK7808       309693
 7900250 C022 319189 0095 311A 3186    1978/08/19 TR4440       309694
 7900250 F022 TR4441 0095 311A 3186    1978/10/26 VK7810       309695
 7900250 C022 319190 0095 311A 3186    1978/10/26 TR4441       309696
 7900250 F022 TR4443 0095 311A 3186    1978/12/18 VK1278       309699
 7900250 C022 319192 0095 311A 3186    1978/12/18 TR4443       309700

(10 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 7900250 F022 TR4442 3175 56     5546   78/07/24   78/08/12
 7900250 C022 319191 3175 56     112    78/07/24   78/08/12
 7900250 F022 TR4439 3186 150    40     78/06/12   78/06/15
 7900250 C022 319188 3186 150    5      78/06/12   78/06/15
 7900250 F022 TR4440 3186 594    155    78/08/19   78/08/23
 7900250 C022 319189 3186 594    15     78/08/19   78/08/23
 7900250 F022 TR4441 3186 423    116    78/10/26   78/11/02
 7900250 C022 319190 3186 423    13     78/10/26   78/11/02
 7900250 F022 TR4443 3186 12     1010   78/12/18   78/12/19
 7900250 C022 319192 3186 12     19     78/12/18   78/12/19

(10 rows affected)
```