

DDF-B:1:20

DATA DOCUMENTATION FORM

7R5487-5490

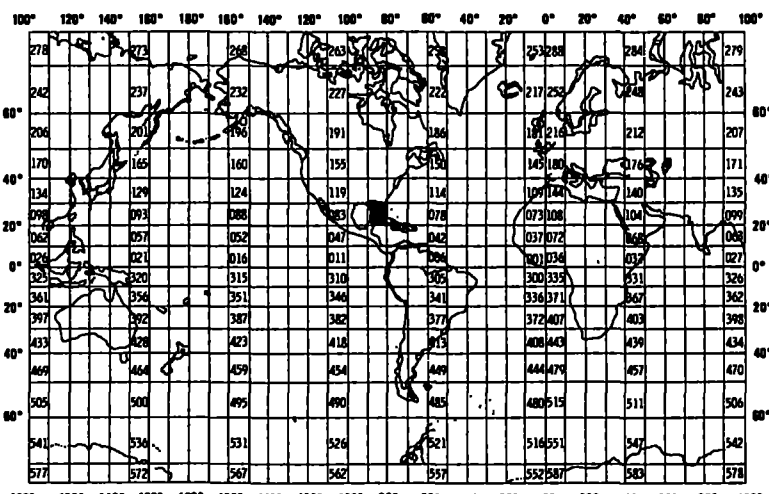
NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED NOAA/AOML/PHOL 15 RICKEN BACKER CAUSEWAY MIAMI, FLORIDA 33149			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED PROJECT OTEC		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 1. OTEC VK 0279 2. OTEC VK0379 16 3. OTEC VK0479 30 4. OTEC VK0579 11	
4. PLATFORM NAME(S) R/V VIRGINIA KEY	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES) R/V NOAA	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 2/4/79 5/20/79
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 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) 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	700	Nansen bottles	Inductive salinometer (Hytech model S510)	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	METERS	STD PLESSEY 9040	METER WHEEL Revising Thermometers Inductive Salinometer	electronic data Corrected to separate recorded water sample data. Gate and Gradient filters applied.

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

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

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

022 STD FORMAT

TYPE OF RECORD 1) HEADER CARD FOR CRUISE
2) STATION CARD WITH POSITION
3) DATA RECORDS

SEE SEPERATE SHEETS FOR MODIFICATION
OF 022 FORMAT

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

EACH FILE STARTS WITH ONE TYPE 1 RECORD
EACH STATION CONSISTS OF (1) MASTER RECORD
FOLLOWED BY SEVERAL DETAIL DATA
RECORDS

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER JOHN HAZELWORTH 305-361-3361 x326
ADDRESS AOML / PHOL, KRICKENBACKER CAUSEWAY
MIAMI, FLORIDA 33149

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><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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</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>HAZELWORTH</p> <p>1. VIRGINIA KEY FEB. '79</p> <p>2. " " MAR. '79</p> <p>3. " " Apr. '79</p> <p>4. " " MAY '79</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>13. LENGTH OF BYTES IN BITS</p>

RECORD FORMAT DESCRIPTION

RECORD NAME _____

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

RECORD FORMAT DESCRIPTION

RECORD NAME

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

RECORD FORMAT DESCRIPTION

RECORD NAME

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

RECORD FORMAT DESCRIPTION

RECORD NAME _____

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

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 STD 9040	NA	✓			BEFORE CRUISE				

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

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 _____

ADDRESS _____

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 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 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 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>8. DENSITY</p> <p><input type="checkbox"/> 200 DPI <input type="checkbox"/> 1600 DPI</p> <p><input type="checkbox"/> 556 DPI</p> <p><input type="checkbox"/> 800 DPI</p> <p><input type="checkbox"/> _____</p>	
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p>	
<p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p>	

AD NAME TEXT RECORD (OPTIONAL)

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 '022' <i>Unique # for cruise</i>
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	A1	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	A5	Ascending numeric, used for sorting <i>1, 2, 3, etc</i>
MASTER RECORD (REQUIRED THRU BYTES 59)					
File Type	1	3	Bytes	A3	Always '022' <i>Unique # for cruise</i>
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	A1	Always '2'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude					
Degrees	16	2	Bytes	A2	
Minutes	18	2	Bytes	A2	
Hundredths of Minutes	20	2	Bytes	A2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude					
Degrees	23	3	Bytes	A3	
Minutes	26	2	Bytes	A2	
Hundredths of Minutes	28	2	Bytes	A2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	A5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	A2	Last two digits of year 1-12 1-31 0-23 0-59 } GMT
Month	48	2	Bytes	A2	
Day	50	2	Bytes	A2	
Hour	52	2	Bytes	A2	
Minutes	54	2	Bytes	A2	
Depth Interval Indicator	56	1	Bytes	A1	'0' equals unequally spaced depths '1' equals equal spaced depths
Depth Interval	57	3	Bytes	A3	When above equals '1', the depth interval, to tenths of meters reported.
Barometric pressure	60	5	Bytes	A5	Millibars to tenths

RECORD FORMAT DESCRIPTION STD

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RECORD NAME MASTER RECORD CONTINUED

14. 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	A4	Degrees C to tenths
Dry bulb temperature	69	4	Bytes	A4	Degrees C to tenths
Wind direction	73	2	Bytes	A2	Tens of degrees WMO Codes 0855 and 0877
Wind speed	75	2	Bytes	A2	Whole knots
Weather Code	77	1	Bytes	A1	WMO 4501
Sea State Code	78	1	Bytes	A1	WMO 3700
Visibility Code	79	1	Bytes	A1	WMO 4300
Cloud Type Code	80	1	Bytes	A1	WMO 0500
Cloud Amount Code	81	1	Bytes	A1	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	A5	To whole meters
Maximum depth of cast	113	4	Bytes	A4	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	Unique for cruise
Record Type	10	1	Bytes	A1	Always '3'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	A5	Meters to tenths
Temperature	21	5	Bytes	A5	Degrees C to thousandths
Salinity	26	5	Bytes	A5	P.P.T. to thousandths
Sigma-t	31	4	Bytes	A4	To hundredths
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	Bytes	4(20) A4, A1	Repetition of above
Sequence Number	116	5	Bytes	A5	Ascending numeric, used for sorting
					1, 2, 3,
					Blanks are used when significance of field indicated exceeds what is measured.

RECORD FORMAT DESCRIPTION

9-16-76

9 RECORD NAME Detail '2 Record (STD)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN BYTES (e.g., 100, 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	A1	Always '4'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	A5	Meters to tenths
Dissolved Oxygen	21	5	Bytes	A5	ml/l to thousandths
Transmissivity	26	5	Bytes	A5	% to thousandths
Blank	31	4	Bytes	A4	Scan Data
Scan Condition Code	35	1	Bytes	A1	
Scan Data	36	4(20)	Bytes	4(3I5,4X,A1)	
Sequence Number	116	5	Bytes	A5	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-0034

- 1) File Type: 072
- 2) Project Ident.: OTEC (095)
- 3) Track Nos.: TR5487 - TR5490

I. Error Corrections as reported to Principal Investigator:

ErrorCorrection Completed (Check)

II. Additional error corrections:

ErrorCorrection Completed (Check)

DUP. STA. NOS. 5 and 8
CHANGED TO 5, B5, C5, D5, E5,
F5, 8, A8.

✓

LEGITIMATE SALINITIES
FLAGGED, SO SALINITY ~~RAISE~~
MAXIMUM RAISED TO 37.5 ‰

✓

III. Processor Name:

Charles B. Selker

Data Set Route Sheet

Track Numbers
5487 - 5490Accession # 80-0034

Step	Completion Date/Init.	Tape #	# of Files	BLKSIZE	LRECL
Originator Tape #					
<u>QUADI</u> Duplicate Tape #	4/8/80	EJG	004517	2	120
DDF Evaluation					
Quality Review					
Preliminary Data Sort					
Preliminary Check					
First User Tape #	5/6/80	CBH	02733	1	4800
Final User Tape #	5/6/80	CBH	02906	1	4800
Final Check					
10. NAPIS Inventory					
11. IP Inventory					
12. Data Set 'Finalized'					

MULCHER WOULD NOT RUN
SUCCESSFULLY ON TAPE 4517.
WENT TAPE TO DISK AND MULCHER
RAN FINE.

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0034

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
ORIGINATOR	P21041	NL/ 7-trk	120	120	FB	TRCH=ET 2 FILES
QUADRI DUPLICATE	4517	NL/ TRK	120	120	FB	odd Parity
REFORMATTED						
FIRST USER	2733	NL	120	4800	FB	
FINAL USER	2906	NL	120	4800	FB	

Filetype

022-5

25
44

2634

120/4800, F022

13394 (C4164)

#1 0020121

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 Nos: 80-0034--OTEC
" " 80-0045--OCSEAP

TRACK sheets

5487-5490

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 C22

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

022TR54871 2 DTEC VA KEY GULF OF MEXICO TAMPA SITE FEB 79

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		ACTUAL RANGE		MEAN	S. DEV	COUNT	FP	FP-1	>-1
					LOW	HIGH	LOWEST	HIGHEST						
M	2	16	2	LAT DEG	15		89	27	27	27.00	00	12	12	0
M	2	18	4	LAT MIN TO .01	0		5999	3616	4079	3831.08	134.25	12	12	0
C	2	22	1	0500LAT HEM								12		
M	2	23	3	LCN DEG	50		179	85	85	85.00	00	12	12	0
M	2	26	4	LCN MIN TO .01	0		5999	2908	4060	3353.58	300.98	12	12	0
C	2	30	1	0501LCN HEM								12		
N	2	41	5	NUM. OF SCANS/STATION AT 5/REC	1	99999	26	498	315.25	205.98	12	12	0	0
M	2	46	2	YEAR	NO RANGE CHECKING		79	79	79.00	00	12	12	0	0
M	2	48	2	MONTH	1		12	2	2	2.00	00	12	12	0
M	2	50	2	DAY	1		31	14	15	14.83	48	12	12	0
M	2	52	2	HOUR	0		23	4	22	13.00	6.02	12	12	0
N	2	54	2	MINUTE	0		59	0	56	29.50	19.19	12	12	0
C	2	56	1	0216DEPTH INTERVAL INDIC.								12		
N	2	57	3	DEPTH INTVL. METERS TO .1	1	999	20	20	20.00	00	12	12	0	0
N	2	60	4	BAROMETRIC PRESS MB TO .1	944	1050	1018	1022	1018.75	1.36	12	12	0	0
N	2	65	4	WET-BULB DEG CENTIGRADE TC .1	-300	400	NO VALUES FOUND FOR THIS PARAMETER							
N	2	69	4	DRY-BULB DEG C TO .1	-300	400	183	244	215.33	21.57	12	12	0	0
C	2	73	2	0110 WIND DIR IN TENS OF DEG								10		
N	2	75	2	WIND SPEED IN KILOMETERS	0	70	0	9	7.41	3.34	12	12	0	0
C	2	77	1	0108WEATHER CODE								12		
C	2	78	1	0109SEA STATE CODE								12		
C	2	79	1	0157VISIBILITY CODE								12		
C	2	80	1	0053CLOUD TYPE CODE			NO VALUES FOUND FOR THIS PARAMETER							
C	2	81	1	0105CLOUD AMOUNT CODE								12		
N	2	108	5	BOTTOM DEPTH IN WHOLE METERS	0	8000	1200	1200	1200.00	00	12	12	0	0
N	2	113	4	MAX DEPTH OF CAST METERS	0	6000	20	498	315.25	205.98	12	12	0	0
B	2	117	4									12		
N	3	16	5	DEPTH1 METERS TO .1	0	60000	0	9900	4455.32	2933.44	761	761	0	0
N	3	36	5	DEPTH2 METERS TO .1	1	60000	20	9920	4484.42	2931.82	759	759	0	0
N	3	56	5	DEPTH3 METERS TO .1	2	60000	40	9940	4506.49	2933.19	758	758	0	0
N	3	76	5	DEPTH4 METERS TO .1	3	60000	60	9860	4498.46	2915.54	754	754	0	0
N	3	96	5	DEPTH5 METERS TO .1	4	60000	80	9880	4497.84	2903.01	751	751	0	0
N	3	21	5	TEMPER1 DEGREES C TO .001	-2000	33000	4951	22717	10554.00	5315.45	761	761	0	0
N	3	41	5	TEMPER2 DEGREES C TO .001	-2000	33000	4950	22717	10498.94	5286.96	759	759	0	0
N	3	61	5	TEMPER3 DEGREES C TO .001	-2000	33000	4949	22519	10463.12	5268.40	758	758	0	0
N	3	81	5	TEMPER4 DEGREES C TO .001	-2000	33000	4955	22405	10456.66	5243.80	754	754	0	0
N	3	101	5	TEMPER5 DEGREES C TO .001	-2000	33000	4953	22362	10442.05	5219.43	751	751	0	0
N	3	26	5	SALINITY1 PPT TO .001	10000	37500	34867	36550	35389.65	612.08	761	761	0	0
N	3	46	5	SALINITY2 PPT TO .001	10000	37500	34864	36560	35384.26	609.09	759	759	0	0

STATION	PARAMETER	UNIT	VALUE	STATUS	REMARKS
N 3 66	5 SALINITY3	FPT TO .001	10000	37500	34865 36572 35381.17 607.89 758 758 0 0
N 3 86	5 SALINITY4	FPT TO .001	10000	37500	34866 36572 35380.46 606.85 754 754 0 0
N 3 106	5 SALINITY5	FPT TO .001	10000	37500	34862 36565 35378.86 605.71 751 751 0 0
N 3 31	4 SIGMA-T1	TC .01	315	3000	2506 2765 2702.86 58.75 761 761 0 0
N 3 51	4 SIGMA-T2	TC .01	315	3000	2506 2765 2703.57 58.66 759 759 0 0
N 3 71	4 SIGMA-T3	TC .01	315	3000	2509 2765 2704.04 57.82 758 758 0 0
N 3 91	4 SIGMA-T4	TC .01	315	3000	2513 2765 2704.24 57.46 754 754 0 0
N 3 111	4 SIGMA-T5	TC .01	315	3000	2514 2765 2704.48 56.96 751 751 0 0
C 3 35	1 J080SCAN	CONDITION1 CCDE			
C 3 55	1 J080SCAN	CONDITION2 CCDE			
C 3 75	1 J080SCAN	CONDITION3 CCDE			
C 3 95	1 J080SCAN	CONDITION4 CCDE			
C 3 115	1 J080SCAN	CONDITION5 CCDE			
N 4 16	5 DEPTH6	IN METERS TC .1	5	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 36	5 DEPTH7	IN METERS TC .1	6	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 56	5 DEPTH8	IN METERS TC .1	7	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 76	5 DEPTH9	IN METERS TC .1	8	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 96	5 DEPTH10	IN METERS TC .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 J080SCAN	CONDITION6 CCDE			
C 4 55	1 J080SCAN	CONDITION7 CCDE			
C 4 74	1 J080SCAN	CONDITION8 CCDE			
C 4 95	1 J080SCAN	CONDITION9 CCDE			
C 4 115	1 J080SCAN	CONDITION10 CCDE			
N 4 26	5 TRANSMISSIVITY1	% TO .001	1	99000	NO VALUES FOUND FOR THIS PARAMETER
B 4 31	4				
N 4 46	5 TRANSMISSIVITY2	% TO .001	1	99000	NO VALUES FOUND FOR THIS PARAMETER
B 4 51	4				
N 4 66	5 TRANSMISSIVITY3	% TO .001	1	99000	NO VALUES FOUND FOR THIS PARAMETER
B 4 71	4				
N 4 86	5 TRANSMISSIVITY4	% TO .001	1	99000	NO VALUES FOUND FOR THIS PARAMETER
B 4 96	4				
N 4 106	5 TRANSMISSIVITY5	% TO .001	1	99000	NO VALUES FOUND FOR THIS PARAMETER
B 4 111	4				
N 5 16	5 DEPTH1	METERS TC .1	0	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 36	5 DEPTH2	METERS TC .1	1	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 56	5 DEPTH3	METERS TC .1	2	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 76	5 DEPTH4	METERS TC .1	3	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 96	5 DEPTH5	METERS TC .1	4	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 21	5 TEMPER1	DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 41	5 TEMPER2	DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 61	5 TEMPER3	DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 81	5 TEMPER4	DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 101	5 TEMPER5	DEGREES C TC .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	TC .01	315	3000	NO VALUES FOUND FOR THIS PARAMETER
N 5 51	4 SIGMA-T2	TC .01	315	3000	NO VALUES FOUND FOR THIS PARAMETER
N 5 71	4 SIGMA-T3	TC .01	315	3000	NO VALUES FOUND FOR THIS PARAMETER
N 5 91	4 SIGMA-T4	TC .01	315	3000	NO VALUES FOUND FOR THIS PARAMETER
N 5 111	4 SIGMA-T5	TC .01	315	3000	NO VALUES FOUND FOR THIS PARAMETER
C 5 35	1 J080SCAN	CONDITION CODE			
C 5 55	1 J080SCAN	CONDITION CODE			

C 5 75 1 0080SCAN CONDITION CODE
N 5 95 1 0080SCAN CONDITION CODE
N 5 115 1 0080SCAN CONDITION CODE

NO RANGE CHECKING
NO RANGE CHECKING

NO VALUES FOUND FOR THIS PARAMETER
NO VALUES FOUND FOR THIS PARAMETER
NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ : 785

C DDF-B:1:20

DATA DOCUMENTATION FORM

31 9207-
319210NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

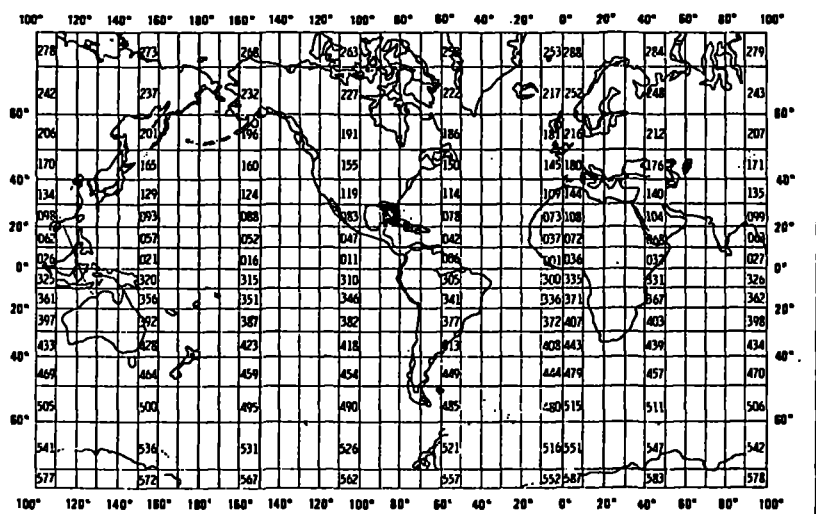
(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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

TR 5489

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 RICKEN BACKER CAUSEWAY MIAMI, FLORIDA 33149			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED PROJECT OTEC		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 1. OTEC VK 0279 2. OTEC VK0379 3. OTEC VK0479 4. OTEC VK0579	
4. PLATFORM NAME(S) R/V VIRGINIA KEY	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR 7. DATES NATIONALITY(IES) PLATFORM OPERATOR FROM: MO/DAY/YR TO: MO/DAY/YR R/V NOAA 2/4/79 5/20/79	
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 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) DR ROBERT MOLINARI 305-361-3361 X326			

B. SCIENCE 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	STD PLESSEY 9040	METER WHEEL Revising Thermometers Inductive Salinometer	electronic data corrected to separate recorded water sample data. Gate and gradient filters applied.

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

022 STD FORMAT

TYPE OF RECORD 1) HEADER CARD FOR CRUISE
2) STATION CARD WITH POSITION
3) DATA RECORDS

SEE SEPERATE SHEETS FOR MODIFICATION
OF 022 FORMAT

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

EACH FILE STARTS WITH ONE TYPE 1 RECORD
EACH STATION CONSISTS OF (1) MASTER RECORD
FOLLOWED BY SEVERAL DETAIL DATA
RECORDS

3. ATTRIBUTES AS EXPRESSED IN

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

JOHN HAZELWORTH 305-361-3361 x326

ADDRESS

ADOML / PHOL, BRICKENBACHER CAUSEWAY
MIAMI, FLORIDA 33149

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><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 checked="" type="checkbox"/> SEVEN</p> <p><input 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 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>HAZELWORTH</p> <p>1. VIRGINIA KEY FEB. '79</p> <p>2. " " MAR. '79</p> <p>3. " " Apr. '79</p> <p>4. " " MAY '79</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>13. LENGTH OF BYTES IN BITS</p>

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 STD 9040	NA	✓			BEFORE CRUISE				

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

4-17-7

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

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 _____

ADDRESS _____

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 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 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 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> </p> <p> </p> <p> </p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 DPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 DPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p>	
<p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p>	

AD NAME TEXT RECORD (OPTIONAL)

FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (o.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022' <i>Unique # for cruise</i>
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	A1	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	A5	Ascending numeric, used for sorting <i>1, 2, 3, etc</i>
MASTER RECORD (REQUIRED THRU BYTES 59)					
File Type	1	3	Bytes	A3	Always '022' <i>Unique # for cruise</i>
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	A1	Always '2'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude					
Degrees	16	2	Bytes	A2	
Minutes	18	2	Bytes	A2	
Hundredths of Minutes	20	2	Bytes	A2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude					
Degrees	23	3	Bytes	A3	
Minutes	26	2	Bytes	A2	
Hundredths of Minutes	28	2	Bytes	A2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	A5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	A2	Last two digits of year
Month	48	2	Bytes	A2	1-12
Day	50	2	Bytes	A2	1-31
Hour	52	2	Bytes	A2	0-23
Minutes	54	2	Bytes	A2	0-59
Depth Interval Indicator	56	1	Bytes	A1	'0' equals unequally spaced depths '1' equals equal spaced depths When above equals '1', the depth interval, to tenths of meters reported.
Depth Interval	57	3	Bytes	A3	
Barometric pressure	60	5	Bytes	A5	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 (o.c., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Wet bulb temperature	65	4	Bytes	A4	Degrees C to tenths
Dry bulb temperature	69	4	Bytes	A4	Degrees C to tenths
Wind direction	73	2	Bytes	A2	Tens of degrees WMO Codes 0855 and 0877
Wind speed	75	2	Bytes	A2	Whole knots
Weather Code	77	1	Bytes	A1	WMO 4501
Sea State Code	78	1	Bytes	A1	WMO 3700
Visibility Code	79	1	Bytes	A1	WMO 4300
Cloud Type Code	80	1	Bytes	A1	WMO 0500
Cloud Amount Code	81	1	Bytes	A1 ²²	WMO 2700
Instrument Information	82	20	Bytes	20A1 ⁴²	Type and Serial Number
Location Name	102	6	Bytes	A6	OCSEP Internal Location Code
Depth to bottom	108	5	Bytes	A5	To whole meters
Maximum depth of cast	113	4	Bytes	A4 ⁵¹	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	<i>unique for cruise</i>
Record Type	10	1	Bytes	A1	Always '3'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	A5	Meters to tenths
Temperature	21	5	Bytes	A5	Degrees C to thousandths
Salinity	26	5	Bytes	A5	P.P.T. to thousandths
Sigma-t	31	4	Bytes	A4	To hundredths
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	Bytes	4(20) A4, A1	Repetition of above
Sequence Number	116	5	Bytes	A5	Ascending numeric, used for sorting
					1, 2, 3,
					Blanks are used when significance of field indicated exceeds what is measured.

RECORD FORMAT DESCRIPTION

9-16-76

RECORD NAME Detail 2 Record (STD)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN BYTES (e.g., Ltr, 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	A1	Always '4'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	A5	Meters to tenths
Dissolved Oxygen	21	5	Bytes	A5	ml/l to thousandths
Transmissivity	26	5	Bytes	A5	% to thousandths
Blank	31	4	Bytes	A4	Scan Data
Scan Condition Code	35	1	Bytes	A1	
Scan Data	36	4(20)	Bytes	4(3I5,4X,A1)	Repetition of above
Sequence Number	116	5	Bytes	A5	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-0034

- 1) File Type: 072
 2) Project Ident.: OTEC (095)
 3) Track Nos.: TR5487 - TR5490

I. Error Corrections as reported to Principal Investigator:

ErrorCorrection Completed (Check)

II. Additional error corrections:

ErrorCorrection Completed (Check)

DUP. STA. NOS. 5 and 8
 CHANGED TO 5, B5, C5, D5, E5,
 F5, 8, A8.

✓

LEGITIMATE SALINITIES
 FLAGGED, SO SALINITY ~~RAO~~
 MAXIMUM RAISED TO 37.5 ‰

✓

III. Processor Name:

Charles B. Schmitt

Accession # 80-0034

Step	Completion Date/Init.	Tape #	# of Files	BLKSIZE	LRECL
Originator Tape #					
<u>QUAD I</u> Duplicate Tape #	4/8/80	FFJ 004517	2	120	120
DDF Evaluation					
Quality Review					
Preliminary Data Sort					
Preliminary Check					
First User Tape #	5/6/80	CBA 02733	1	4800	120
Final User Tape #	5/6/80	CBA 02906	1	4800	120
Final Check					
10. NAPIS Inventory					
11. JP Inventory					
12. Data Set 'Finalized'					

MULCHER WOULD NOT RUN
SUCCESSFULLY ON TAPE 4517.
WENT TAPE TO DISK AND MULCHER
RAN FINE.

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0034

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	P21041	NL /7trk	120	120	FB	TRCH=ET 2 FILES
QUADRI DUPLICATE	4517	NL /TRK	120	120	FB	Odd Parity
REFORMATTED						
FIRST USER	2733	NL	120	4800	FB	
FINAL USER	2906	NL	120	4800	FB	

Filetype

022-5

25
44

2634

120/4800, F022

13394. (C4104)

#1 0020121

TR 4169-4173, 4400, 4429-4443, 4444-4451, 4459-4460,
4936-4938, 5102, 5487-5492, 5578-5605, 5734-5737,
5917-5918 5314-5315, 5322-5323

184,261

164,676

Accession Nos: 80-0034--OTEC
" " 80-0045--OCSEAP

TRACK sheets

5487-5490

NSJCHG *** NLA-STANDARD DATA FIELD CHECKING PROGRAM
THIS IS 31/11/79 VERSION WITH FULL CODE CHECKING

USER'S INPUT REQUESTS FOLLOW:
LRELL - 3 BEEN SPECIFIED AS 120
STAT - 1 HEADER RECORD SPECIFIED AS 2
RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 12345
STAT - STARTS IN POSITION 11 FOR 5 BYTES
STAT - WILL APPEAR ON RECORD TYPES : 2345
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILE - 1 IS C22

NO CSV - 005 ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

022THS - 71 2 DTCL VA KEY GULF OF MEXICO TAMPA SITE FEB 79

772 - 77
FIRST FILE 10

THE FOLLOWING WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERIC/M=MANDATORY NUMERIC/Z=NO CHECKING)

TYPE	PBS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT	FP	FP-1	>-1
M 2	1	2	LAT DEG	15	89 27 27	27.00	00	12	12	J	0
M 2	1	4	LAT MIN TO .01	0	5999 3616 4079	3831.08	134.25	12	12	J	0
C 2	1	1	050LAT HEM					12			
M 2	1	3	LCN DEG	50	179 85 85	85.00	00	12	12	0	0
M 2	1	4	LCN MIN TO .01	0	5999 2908 4060	3353.58	300.98	12	12	0	0
C 2	1	1	050LCN HEM					12			
N 2	1	5	NUM. OF SCANS/STATION AT 5/REC	1	99999 26 498	315.25	205.98	12	12	0	0
M 2	1	2	YEAR	NO RANGE CHECKING	79 79	79.00	00	12	12	J	0
M 2	1	2	MONTH	1	12 2 2	2.00	00	12	12	J	0
M 2	1	2	DAY	1	31 14 15	14.83	48	12	12	J	0
M 2	1	2	HOUR	0	23 4 22	13.00	6.02	12	12	0	0
M 2	1	2	MINUTE	0	59 0 56	29.50	19.19	12	12	J	0
C 2	1	1	0216DEPTH INTERVAL INDIC.					12			
N 2	1	3	DEPTH INTVL. METERS TO .1	1	999 20 20	20.00	00	12	12	0	0
N 2	1	4	BAROMETRIC PRESS MB TO .1	944	1050 1018 1022	1018.75	1.36	12	12	0	0
N 2	1	4	WET-BULB DEG CENTIGRADE TO .1	-300	400 NO VALUES FOUND FOR THIS PARAMETER						
N 2	1	4	DRY-BULB DEG C TO .1	-300	400 183 244	215.33	21.57	12	12	0	0
C 2	1	2	0110 WIND DIR IN TENS OF DEG					10			
N 2	1	2	WIND SPEED IN KILOMETERS	0	70 0 9	7.41	3.34	12	12	0	0
C 2	1	1	0108WEATHER CODE					12			
C 2	1	1	0109SEA STATE CODE					12			
C 2	1	1	0157VISIBILITY CODE					12			
C 2	1	1	0053CLOUD TYPE CODE								
C 2	1	1	0105CLOUD AMOUNT CODE					12			
N 2	1	5	BOTTOM DEPTH IN WHOLE METERS	0	8000 1200 1200	1200.00	00	12	12	J	0
N 2	1	4	MAX DEPTH OF CAST METERS	0	6000 20 498	315.25	205.98	12	12	0	0
B 2	1	4						12			
N 3	1	5	DEPTH1 METERS TO .1	0	60000 0 9900	4455.32	2933.44	761	761	0	0
N 3	1	5	DEPTH2 METERS TO .1	1	60000 20 9920	4484.42	2931.82	759	759	J	0
N 3	1	5	DEPTH3 METERS TO .1	2	60000 40 9940	4506.49	2933.19	758	758	J	0
N 3	1	5	DEPTH4 METERS TO .1	3	60000 60 9860	4498.46	2915.54	754	754	0	0
N 3	1	5	DEPTH5 METERS TO .1	4	60000 80 9880	4497.84	2903.01	751	751	0	0
N 3	1	5	TEMPER1 DEGREES C TO .001	-2000	33000 4951 22717	10554.00	5315.45	761	761	0	0
N 3	1	5	TEMPER2 DEGREES C TO .001	-2000	33000 4950 22717	10498.94	5286.96	759	759	0	0
N 3	1	5	TEMPER3 DEGREES C TO .001	-2000	33000 4949 22519	10463.12	5268.40	758	758	0	0
N 3	1	5	TEMPER4 DEGREES C TO .001	-2000	33000 4955 22405	10456.66	5243.80	754	754	0	0
N 3	1	5	TEMPER5 DEGREES C TO .001	-2000	33000 4953 22362	10442.05	5219.43	751	751	J	0
N 3	1	5	SALINITY1 PPT TO .001	10000	37500 34867 36550	35369.65	612.08	761	761	J	0
N 3	1	5	SALINITY2 PPT TO .001	10000	37500 34864 36560	35384.26	609.09	759	759	0	0

N	C	PARAMETER	UNIT	VALUE	STATUS
N 3	5	SALINITY3 FPT TO .001	10000	3750	65 36572 35381.17 607.89 758 758 0
N 3	5	SALINITY4 FPT TO .001	10000	37500	866 36572 35380.46 606.85 754 754 0
N 3	106	5 SALINITY5 FPT TO .001	10000	37500	34862 36565 35376.86 605.71 751 751 0
N 3	31	4 SIGMA-T1 TC .01	315	3000	2506 2765 2702.86 58.75 761 761 0
N 3	51	4 SIGMA-T2 TC .01	315	3000	2506 2765 2703.57 58.66 759 759 0
N 3	71	4 SIGMA-T3 TC .01	315	3000	2509 2765 2704.04 57.82 758 758 0
N 3	91	4 SIGMA-T4 TC .01	315	3000	2513 2765 2704.24 57.46 754 754 0
N 3	111	4 SIGMA-T5 TC .01	315	3000	2514 2765 2704.48 56.96 751 751 0
C 3	35	1 JOBSOscan CONDITION1 CCDE			761
C 3	55	1 JOBSOscan CONDITION2 CCDE			759
C 3	75	1 JOBSOscan CONDITION3 CCDE			758
C 3	95	1 JOBSOscan CONDITION4 CCDE			754
C 3	115	1 JOBSOscan CONDITION5 CCDE			751
N 4	16	5 DEPTH6 IN METERS TC .1	5	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4	36	5 DEPTH7 IN METERS TC .1	6	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4	56	5 DEPTH8 IN METERS TC .1	7	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4	76	5 DEPTH9 IN METERS TC .1	8	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4	96	5 DEPTH10 IN METERS TC .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 JOBSOscan CONDITION6 CCDE			NO VALUES FOUND FOR THIS PARAMETER
C 4	55	1 JOBSOscan CONDITION7 CCDE			NO VALUES FOUND FOR THIS PARAMETER
C 4	74	1 JOBSOscan CONDITION8 CCDE			NO VALUES FOUND FOR THIS PARAMETER
C 4	95	1 JOBSOscan CONDITION9 CCDE			NO VALUES FOUND FOR THIS PARAMETER
C 4	115	1 JOBSOscan 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 TC .1	0	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	36	5 DEPTH2 METERS TC .1	1	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	56	5 DEPTH3 METERS TC .1	2	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	76	5 DEPTH4 METERS TC .1	3	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	96	5 DEPTH5 METERS TC .1	4	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	21	5 TEMPER1 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5	41	5 TEMPER2 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5	61	5 TEMPER3 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5	81	5 TEMPER4 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5	101	5 TEMPER5 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5	26	5 CONDUCT1 MHU/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5	46	5 CONDUCT2 MHU/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5	66	5 CONDUCT3 MHU/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5	86	5 CONDUCT4 MHU/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5	106	5 CONDUCT5 MHU/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 JOBSOscan CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5	55	1 JOBSOscan CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER

C [REDACTED] 1 0080SCAN CONDITION CODE
N [REDACTED] 1 0081SCAN CONDITION CODE
N 5 115 1 0082SCAN CONDITION CODE

NO RANGE CHECKING
NO RANGE CHECKING

[REDACTED] NO VALUES FOUND FOR THIS PARAMETER
[REDACTED] NO VALUES FOUND FOR THIS PARAMETER
[REDACTED] NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ : 785

THE FIELDS BELOW WERE CHECKED AS FOLLOWS: S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERIC/M=MANDATORY NUMERIC/Z=NO CHECKING

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED		ACTUAL RANGE			COUNT	FP	FP-1	>-1		
					LOW	HIGH	LOWEST	HIGHEST	MEAN					S. DEV	
M	2	16	2	LAT DEG	15		89	24	25	24.56	60	16	16	0	0
M	2	18	4	LAT MIN TC .01	0		5999	0	5910	2497.50	1996.10	16	16	0	0
C	2	22	1	05J0LAT HEM								16			
M	2	23	3	LCN DEG	50		179	83	85	84.00	70	16	16	0	0
M	2	26	4	LCN MIN TC .01	0		5999	120	5903	3375.06	1941.43	16	16	0	0
C	2	30	1	0501LCN HEM								16			
N	2	41	5	NUM. OF SCANS/STATION AT 5/REL	1	99999	27	520	313.37	205.78		16	16	0	0
M	2	46	2	YEAR	NO RANGE CHECKING		79	79	79.00	00		16	16	0	0
M	2	48	2	MCNTH	1		12	3	3	3.00	00	16	16	0	0
M	2	50	2	DAY	1		31	27	30	28.43	1.34	16	16	0	0
M	2	52	2	HOUR	0		23	1	22	11.68	6.72	16	16	0	0
M	2	54	2	MINUTE	0		59	8	59	36.31	15.30	16	16	0	0
C	2	56	1	0216DEPTH INTERVAL INCIC.								16			
N	2	57	3	DEPTH INTVL. METERS TC .1	1	999	20	20	20.00	00		16	16	0	0
N	2	60	4	BARGMETRIC PRESS MB TO .1	944	1050	1011	1015	1013.56	2.46		16	16	0	0
N	2	65	4	WET-BULB DEG CENTIGRADE TC .1	-300	400	NO VALUES FOUND FOR THIS PARAMETER					16			
N	2	69	4	DRY-BULB DEG C TO .1	-300	400	194	244	217.87	10.39		16	16	0	0
C	2	73	2	0110 WIND DIR IN TENS OF DEG								16			
N	2	75	2	WIND SPEED IN KILOMETERS	0	70	10	22	16.81	3.65		16	16	0	0
C	2	77	1	0108WEATHER CODE								16			
C	2	78	1	0109SEA STATE CODE								16			
C	2	79	1	0157VISIBILITY CODE								16			
C	2	80	1	0053CLOUD TYPE CODE			NO VALUES FOUND FOR THIS PARAMETER					16			
C	2	81	1	0105CLOUD AMOUNT CODE								16			
N	2	108	5	BOTTOM DEPTH IN WHOLE METERS	0	8000	1200	1200	1200.00	00		16	16	0	0
N	2	113	4	MAX DEPTH OF CAST METERS	0	6000	27	520	313.37	205.78		16	16	0	0
B	2	117	4									16			
N	3	16	5	DEPTH1 METERS TO .1	0	60000	0	10300	4441.88	2893.84		1010	1010	0	0
N	3	36	5	DEPTH2 METERS TC .1	1	60000	20	10320	4453.69	2687.77		1006	1006	0	0
N	3	56	5	DEPTH3 METERS TO .1	2	60000	40	10340	4481.75	2882.94		1001	1001	0	0
N	3	76	5	DEPTH4 METERS TO .1	3	60000	60	10360	4496.89	2880.29		1000	1000	0	0
N	3	96	5	DEPTH5 METERS TC .1	4	60000	80	10380	4501.26	2870.37		997	997	0	0
N	3	21	5	TEMPER1 DEGREES C TO .001	-2000	33000	4644	25667	11858.17	6532.75		1010	1010	0	0
N	3	41	5	TEMPER2 DEGREES C TC .001	-2000	33000	4649	25667	11827.29	6509.90		1006	1006	0	0
N	3	61	5	TEMPER3 DEGFELS C TO .001	-2000	33000	4647	25669	11758.44	6474.97		1001	1001	0	0
N	3	81	5	TEMPER4 DEGREES C TC .001	-2000	33000	4646	25669	11723.02	6451.60		1000	1000	0	0
N	3	101	5	TEMPER5 DEGREES C TC .001	-2000	33000	4646	25667	11700.70	6426.10		997	997	0	0
N	3	26	5	SALINITY1 FPT TO .001	10000	37500	34870	36870	35472.55	651.73		1010	1010	0	0
N	3	46	5	SALINITY2 FPT TO .001	10000	37500	34870	36870	35471.36	652.54		1006	1006	0	0
N	3	66	5	SALINITY3 FPT TO .001	10000	37500	34868	36865	35465.55	650.31		1001	1001	0	0
N	3	86	5	SALINITY4 FPT TO .001	10000	37500	34869	36869	35463.50	650.22		1000	1000	0	0
N	3	106	5	SALINITY5 FPT TO .001	10000	37500	34868	36869	35462.56	649.57		997	997	0	0
N	3	31	4	SIGMA-T1 TC .01	315	3000	2402	2770	2678.72	95.11		1010	1010	0	0
N	3	51	4	SIGMA-T2 TC .01	315	3000	2402	2770	2679.34	94.55		1006	1006	0	0
N	3	71	4	SIGMA-T3 TC .01	315	3000	2402	2770	2680.42	93.68		1001	1001	0	0
N	3	91	4	SIGMA-T4 TC .01	315	3000	2402	2770	2681.08	92.99		1000	1000	0	0
N	3	111	4	SIGMA-T5 TC .01	315	3000	2402	2770	2681.56	92.46		997	997	0	0
C	3	35	1	000JSCAN CONDITION1 CODE								1010			
C	3	55	1	000JSCAN CONDITION2 CODE								1006			
C	3	75	1	000JSCAN CONDITION3 CODE								1001			
C	3	95	1	000JSCAN CONDITION4 CODE								1000			
C	3	115	1	000JSCAN CONDITION5 CODE								997			

N 4 16	5 DEPTH6 IN METERS TC .1	5	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 36	5 DEPTH7 IN METERS TC .1	6	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 50	5 DEPTH8 IN METERS TC .1	7	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 76	5 DEPTH9 IN METERS TC .1	8	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 90	5 DEPTH10 IN METERS TC .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 Q080SCAN CONDITION6 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 55	1 Q080SCAN CONDITION7 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 74	1 Q080SCAN CONDITION8 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 95	1 Q080SCAN CONDITION9 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 115	1 Q080SCAN 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 TC .1	0	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 36	5 DEPTH2 METERS TC .1	1	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 56	5 DEPTH3 METERS TC .1	2	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 76	5 DEPTH4 METERS TC .1	3	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 96	5 DEPTH5 METERS TC .1	4	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 21	5 TEMPER1 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 41	5 TEMPER2 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 61	5 TEMPER3 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 81	5 TEMPER4 DEGREES C TC .001	-2000	20000	NO VALUES FOUND FOR THIS PARAMETER
N 5 101	5 TEMPER5 DEGREES C TC .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 Q080SCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5 55	1 Q080SCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5 75	1 Q080SCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
N 5 95	1 Q080SCAN CONDITION CODE	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER
N 5 115	1 Q080SCAN CONDITION CODE	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ : 1042

*****1*****

022TK54c91 1 QTEC--MALL VA KEY GULF OF MEXICO APRIL 79

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FILE IS HAS CHANGED

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/D=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NO CHECKING

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT	FP	FP-1	>-1
M 2	10	2		LAT DEG	15	89 25	26.43	90	30	30	0	0
M 2	10	4		LAT MIN TC .01	0	5999 1160	3793.00	1036.48	30	30	0	0
C 2	22	1		0500LAT MEM					30			
M 2	23	3		LCN DEG	50	179 83	84.76	1.17	30	30	0	0
M 2	26	4		LCN MIN TC .01	0	5999 10	3215.66	1202.50	30	30	0	0
C 2	30	1		0501LCN MEM					30			
N 2	41	5		NUM. OF SCANS/STATION AT 5/REC	1	99999 25	402.93	182.09	30	30	0	0
M 2	46	2		YEAR	NO RANGE	CHECKING 79	79.00	00	30	30	0	0
M 2	48	2		MONTH	1	12 4	4.00	00	30	30	0	0
M 2	50	2		DAY	1	31 26	28.06	1.35	30	30	0	0
M 2	52	2		HOUR	0	23 0	11.46	5.39	30	30	0	0
N 2	54	2		MINUTE	0	59 0	30.50	16.00	30	30	0	0
C 2	56	1		0216DEPTH INTERVAL INCIC.					30			
N 2	57	3		DEPTH INTVL. METERS TC .1	1	949 20	20.00	00	30	30	0	0
N 2	60	4		BAROMETRIC PRESS MB TC .1	944	1050 1011	1015.00	1.73	30	30	0	0
N 2	65	4		WET-BULB DEG CENTIGRADE TC .1	-300	400	NO VALUES FOUND FOR THIS	PARAMETER	30			
N 2	69	4		DRY-BULB DEG C TC .1	-300	400	211 250	225.93	11.24	30	30	0
C 2	73	2		0110 WIND DIR IN TENS OF DEG					30			
N 2	75	2		WIND SPEED IN KILOMETERS	0	70 0	7.00	2.65	30	30	0	0
C 2	77	1		0108WEATHER CODE					30			
C 2	78	1		0109SEA STATE CODE					30			
C 2	79	1		0157VISIBILITY CODE					30			
C 2	80	1		0053CLOUD TYPE CODE					30			
C 2	81	1		0105CLOUD AMOUNT CODE					30			
N 2	106	5		BOTTOM DEPTH IN WHOLE METERS	0	8000 100	3200	2529.73	1221.95	30	30	0
N 2	113	4		MAX DEPTH OF CAST METERS	0	6000 25	557	402.93	182.09	30	30	0
B 2	117	4							30			
N 3	14	5		DEPTH1 METERS TC .1	0	60000 0	11100	4825.08	2950.09	2432	2432	0
N 3	36	5		DEPTH2 METERS TC .1	1	60000 20	11120	4840.69	2987.31	2430	2424	0
N 3	56	5		DEPTH3 METERS TC .1	2	60000 40	11040	4844.87	2975.75	2421	2421	0
N 3	76	5		DEPTH4 METERS TC .1	3	60000 60	11060	4848.32	2963.06	2407	2407	0
N 3	96	5		DEPTH5 METERS TC .1	4	60000 80	11080	4864.98	2960.36	2404	2404	0
N 3	21	5		TEMPER1 DEGREES C TC .001	-2000	33000 4510	25783	11132.58	5720.86	2432	2432	0
N 3	41	5		TEMPER2 DEGREES C TC .001	-2000	33000 4509	25783	11112.36	5693.12	2424	2424	0
N 3	61	5		TEMPER3 DEGREES C TC .001	-2000	33000 4517	25776	11074.08	5662.07	2421	2421	0
N 3	81	5		TEMPER4 DEGREES C TC .001	-2000	33000 4514	25768	11050.69	5633.00	2407	2407	0
N 3	101	5		TEMPER5 DEGREES C TC .001	-2000	33000 4511	25760	11015.66	5606.69	2404	2404	0
N 3	26	5		SALINITY1 FPT TC .001	10000	37500 34857	36704	35395.53	596.77	2432	2432	0
N 3	46	5		SALINITY2 FPT TC .001	10000	37500 34858	36685	35394.07	595.43	2424	2424	0
N 3	66	5		SALINITY3 FPT TC .001	10000	37500 34858	36677	35391.21	594.16	2421	2421	0
N 3	86	5		SALINITY4 FPT TC .001	10000	37500 34857	36677	35389.53	593.08	2407	2407	0
N 3	106	5		SALINITY5 FPT TC .001	10000	37500 34853	36646	35387.14	592.90	2404	2404	0
N 3	31	4		SIGMA-T1 TC .01	315	3000 2385	2772	2690.93	75.70	2432	2432	0
N 3	51	4		SIGMA-T2 TC .01	315	3000 2385	2772	2691.34	74.83	2424	2424	0
N 3	71	4		SIGMA-T3 TC .01	315	3000 2385	2772	2691.97	74.30	2421	2421	0
N 3	91	4		SIGMA-T4 TC .01	315	3000 2388	2772	2692.42	73.28	2407	2407	0
N 3	111	4		SIGMA-T5 TC .01	315	3000 2391	2772	2693.01	72.62	2404	2404	0
C 3	35	1		0080SCAN CONDITION1 CCDE					2432			
C 3	55	1		0080SCAN CONDITION2 CCDE					2424			
C 3	75	1		0080SCAN CONDITION3 CCDE					2421			
C 3	95	1		0080SCAN CONDITION4 CCDE					2407			
C 3	115	1		0080SCAN CONDITION5 CCDE					2404			

N 4 16	5 DEPTH6 IN METERS TC .1	5	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 36	5 DEPTH7 IN METERS TC .1	6	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 56	5 DEPTH8 IN METERS TC .1	7	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 76	5 DEPTH9 IN METERS TC .1	6	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 96	5 DEPTH10 IN METERS TC .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 DOBUSCAN CONDITION6 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 55	1 DOBUSCAN CONDITION7 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 74	1 DOBUSCAN CONDITION8 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 95	1 DOBUSCAN CONDITION9 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 115	1 DOBUSCAN 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 TC .1	0	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 36	5 DEPTH2 METERS TC .1	1	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 56	5 DEPTH3 METERS TC .1	2	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 76	5 DEPTH4 METERS TC .1	3	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 96	5 DEPTH5 METERS TC .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 DOBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5 55	1 DOBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5 75	1 DOBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
N 5 95	1 DOBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
N 5 115	1 DOBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER

NO RANGE CHECKING
NO RANGE CHECKING

022TK549C1 1 QTEC--MALL VA KEY GULF OF MEXICO MAY 79

1

777777

FILE IC HAS CHANGED

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 HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT	FP	FP-1	>-1
M	2	16	2	LAT DEG	15 89	25 28	26.18	98	11	11	0	0
M	2	18	4	LAT MIN TO .01	0 5999	50 5990	2897.27	1936.35	11	11	0	0
C	2	22	1	USJOLAT FEM					11			
M	2	23	3	LGN DEG	50 179	84 86	85.63	1.22	11	11	0	0
M	2	26	4	LGN MIN TC .01	0 5999	540 5100	3599.09	1628.39	11	11	0	0
C	2	30	1	USJILGN FEM					11			
N	2	41	5	NUM. OF SCANS/STATION AT 5/REC	1 99999	25 510	382.36	125.92	11	11	0	0
M	2	46	2	YEAR	NO RANGE CHECKING	79 79	79.00	00	11	11	0	0
M	2	48	2	MONTH	1 12	5 5	5.00	00	11	11	0	0
M	2	50	2	DAY	1 31	18 20	19.27	69	11	11	0	0
M	2	52	2	HOUR	0 23	0 21	9.54	6.39	11	11	0	0
N	2	54	2	MINUTE	0 59	3 56	23.18	17.67	11	11	0	0
C	2	56	1	J216DEPTH INTERVAL INDIC.					11			
N	2	57	3	DEPTH INTVL. METERS TC .1	1 999	100 100	100.00	00	11	0	11	0
N	2	60	4	BAROMETRIC PRESS MB TO .1	944 1050	1015 1019	1017.18	2.30	11	11	0	0
N	2	65	4	WET-BULB CEG CENTIGRADE TC .1	-300 400	NO VALUES FOUND FOR THIS PARAMETER			11	11	0	0
N	2	69	4	DRY-BULB CEG C TO .1	-300 400	217 256	237.00	13.43	11	11	0	0
C	2	73	2	0110 WIND DIR IN TENS OF DEG					11			
N	2	75	2	WIND SPEED IN KILOMETERS	0 70	8 12	10.18	1.34	11	11	0	0
C	2	77	1	0108WEATHER CODE					11			
C	2	78	1	0109SEA STATE CODE					11			
C	2	79	1	0157VISIBILITY CODE					11			
C	2	83	1	0053CLOUD TYPE CODE					NO VALUES FOUND FOR THIS PARAMETER			
C	2	81	1	0105CLOUD AMOUNT CODE					11			
N	2	108	5	BOTTOM DEPTH IN WHOLE METERS	0 8000	1200 1200	1200.00	00	11	11	0	0
N	2	113	4	MAX DEPTH OF CAST METERS	0 6000	25 510	382.36	125.92	11	11	0	0
B	2	117	4						11			
N	3	16	5	DEPTH1 METERS TC .1	0 60000	0 10100	4269.56	2547.35	887	887	0	0
N	3	36	5	DEPTH2 METERS TC .1	1 60000	20 10120	4285.66	2546.03	886	885	0	1
N	3	56	5	DEPTH3 METERS TC .1	2 60000	40 10140	4295.54	2539.30	884	884	0	0
N	3	76	5	DEPTH4 METERS TC .1	3 60000	60 10160	4304.38	2536.39	881	881	0	0
N	3	96	5	DEPTH5 METERS TC .1	4 60000	80 10180	4313.02	2533.27	878	878	0	0
N	3	21	5	TEMPER1 DEGREES C TO .001	-2000 33000	5019 27224	12477.42	6310.66	887	887	0	0
N	3	41	5	TEMPER2 DEGREES C TO .001	-2000 33000	5015 27220	12446.10	6285.29	885	885	0	0
N	3	61	5	TEMPER3 DEGREES C TC .001	-2000 33000	5006 27225	12404.56	6260.42	884	884	0	0
N	3	81	5	TEMPER4 DEGREES C TO .001	-2000 33000	4998 27226	12379.59	6235.99	881	881	0	0
N	3	101	5	TEMPER5 DEGREES C TC .001	-2000 33000	4986 27225	12354.01	6210.03	878	878	0	0
N	3	26	5	SALINITY1 FPT TO .001	10000 37500	34848 36849	35476.53	620.05	887	887	0	0
N	3	46	5	SALINITY2 FPT TO .001	10000 37500	34849 36859	35474.34	619.94	885	885	0	0
N	3	66	5	SALINITY3 FPT TO .001	10000 37500	34844 36860	35471.81	619.53	884	884	0	0
N	3	86	5	SALINITY4 FPT TO .001	10000 37500	34839 36849	35471.38	620.05	881	881	0	0
N	3	106	5	SALINITY5 FPT TO .001	10000 37500	34847 36845	35470.01	619.23	878	878	0	0
N	3	31	4	SIGMA-T1 TC .01	315 3000	2360 2763	2668.77	100.14	887	887	0	0
N	3	51	4	SIGMA-T2 TC .01	315 3000	2360 2763	2669.37	99.40	885	885	0	0
N	3	71	4	SIGMA-T3 TC .01	315 3000	2360 2763	2670.12	98.53	884	884	0	0
N	3	91	4	SIGMA-T4 TC .01	315 3000	2360 2763	2670.70	97.80	881	881	0	0
N	3	111	4	SIGMA-T5 TC .01	315 3000	2360 2763	2671.24	97.10	878	878	0	0
C	3	35	1	0080SCAN CONDITION1 CCDE					887			
C	3	55	1	0080SCAN CONDITION2 CCDE					885			
C	3	75	1	0080SCAN CONDITION3 CCDE					884			
C	3	95	1	0080SCAN CONDITION4 CCDE					881			
C	3	115	1	0080SCAN CONDITION5 CCDE					878			

N 4 16	5 DEPTH6 IN METERS TC .1	5	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 36	5 DEPTH7 IN METERS TC .1	6	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 56	5 DEPTH8 IN METERS TC .1	7	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 76	5 DEPTH9 IN METERS TC .1	8	60000	NO VALUES FOUND FOR THIS PARAMETER
N 4 96	5 DEPTH10 IN METERS TC .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 OJBOSCAN CONDITION6 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 55	1 OJBOSCAN CONDITION7 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 74	1 OJBOSCAN CONDITION8 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 95	1 OJBOSCAN CONDITION9 CODE			NO VALUES FOUND FOR THIS PARAMETER
C 4 115	1 OJBOSCAN 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 TC .1	0	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 36	5 DEPTH2 METERS TC .1	1	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 56	5 DEPTH3 METERS TC .1	2	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 76	5 DEPTH4 METERS TC .1	3	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5 96	5 DEPTH5 METERS TC .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 MH/O/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5 46	5 CONDUCT2 MH/O/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5 66	5 CONDUCT3 MH/O/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5 86	5 CONDUCT4 MH/O/CM TO .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
N 5 106	5 CONDUCT5 MH/O/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 OJBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5 55	1 OJBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
C 5 75	1 OJBOSCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER
N 5 95	1 OJBOSCAN CONDITION CODE	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER
N 5 115	1 OJBOSCAN CONDITION CODE	NO RANGE CHECKING		NO VALUES FOUND FOR THIS PARAMETER

NANSEN REF. #

329210

MULDARS TRACK #

TR5490

MONITOR: CONTACT

J. Frank

LOCATION OF FO22 SOURCE

Archives (TR5490)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NANSEN REF. #

3192089

MULDARS TRACK #

TR 5489

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF F022 SOURCE

Archives (TR 5489)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None Found

NANSEN REF. #

329210

MULDARS TRACK #

TR5490

MONITOR: CONTACT

MARY HOLLINGER

LOCATION OF F022 SOURCE

Archives (TR5490)

RECORD ALL ERRORS FOUND

CONSEC(S)

11

ERRORS FOUND

depths 3500 - 7660
repeated (record ~~1138~~
38-77)

6

Rec 102 (last depth read)
deleted 1 in col 36

NANSEN REF. #

319209

MULDARS TRACK #

TR5489

MONITOR: CONTACT

MARY Hollinger

LOCATION OF F022 SOURCE

Archives (TR5489)

RECORD ALL ERRORS FOUND

CONSEC(S)

19, 20, 25

27, 28 + 29 :

ERRORS FOUND

last depth record - delete

1 in col 36.

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8000034	F022	TR5487	0095	311A	3186	1979/02/14	NULL	311343
8000034	C022	319207	0095	311A	3186	1979/02/14	TR5487	311344
8000034	F022	TR5488	0095	311A	3186	1979/03/27	NULL	311345
8000034	C022	319208	0095	311A	3186	1979/03/27	TR5488	311346
8000034	F022	TR5489	0095	311A	3186	1979/04/26	NULL	311347
8000034	C022	319209	0095	311A	3186	1979/04/26	TR5489	311348
8000034	F022	TR5490	0095	311A	3186	1979/05/01	NULL	311349
8000034	C022	319210	0095	311A	3186	1979/05/18	TR5490	311350

(8 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8000034	F022	TR5487	3186	12	785	79/02/14	79/02/15
8000034	C022	319207	3186	12	19	79/02/14	79/02/15
8000034	F022	TR5488	3186	16	1042	79/03/27	79/03/30
8000034	C022	319208	3186	16	26	79/03/27	79/03/30
8000034	F022	TR5489	3186	30	2492	79/04/26	79/04/29
8000034	C022	319209	3186	30	54	79/04/26	79/04/29
8000034	F022	TR5490	3186	11	909	79/05/01	79/05/01
8000034	C022	319210	3186	11	21	79/05/18	79/05/20

(8 rows affected)