

File type 22-5
DDF-B:1:18

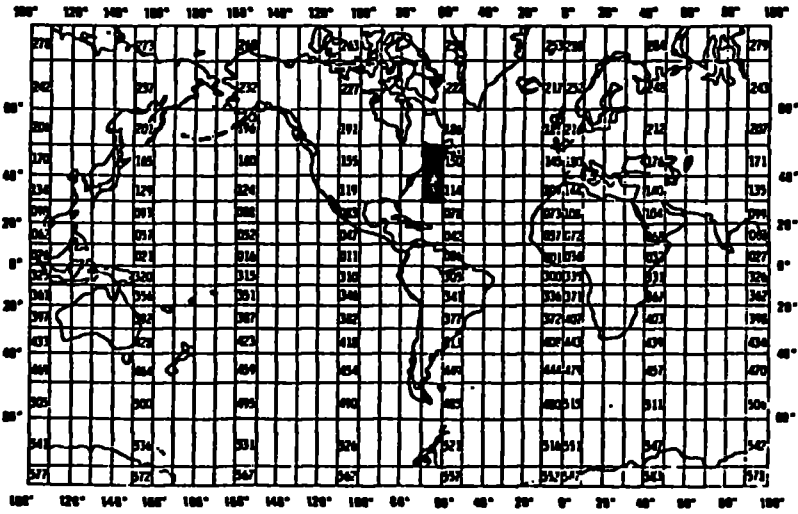
DATA DOCUMENTATION FORM

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
EG&G, Environmental Consultants 151 Bear Hill Road Waltham, MA 02154			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
NEOCSP0 Program		7701-TR 4449 Cruise# 319193 7801-TR 4450 Cruise# 319194 7802-TR 4451 Cruise# 319195 F022 C022	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
SUB SIG II 63268	Ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		US US	9/ 6/7 9/14/7 2/13/7 2/20/7 5/18/7 5/24/7
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.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) J. Bruce Andrews EG&G, Environmental Consultants (617) 890-3710			

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 to tenths	Brown CTD		Data interpolated at 1 meter intervals from half decibar averaged pressure series
Temperature	Degrees C to thousandths	"		
Salinity	P.P.T. to thousandths	"		
Density	Sigma T to thousandths	"		

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

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.

Multi-File tape:

File 1 - Cruise 7801 from 9/6/77 to 9/14/77 (TR 4449)
 File 2 - Cruise 7701 from 2/13/78 to 2/20/78 (TR 4450)
 File 3 - Cruise 7802 from 5/18/78 to 5/24/78 (TR 4451)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Charles K. Nason (617) 890-3710

ADDRESS EG&G, Environmental Consultants, 151 Bear Hill Rd., Waltham, MA 02154

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> 0.6 inch
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> Std. IBM
7. PARITY <input type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NEOCSPO Program CTD casts File 1 - Cruise 7801 File 2 - Cruise 7701 File 3 - Cruise 7802 Originator: B. Andrews <u>EG&G, Environmental Consultants, Waltham, MA</u>
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES 120 13. LENGTH OF BYTES IN BITS 8

C. DATA FORMAT

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

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

FILE SORTED by TRACK, SEQ NO, RECORD TYPE and
SEQUENCE NO. to obtain proper data
sequence.

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 <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____		9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____	
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____		10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____	
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN		11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 003157 (1.54) DSN = 111119	
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____			
		12. PHYSICAL BLOCK LENGTH IN BYTES 120	
		13. LENGTH OF BYTES IN BITS 120	

RECORD FORMAT DESCRIPTION STD

RECORD NAME TEXT RECORD (OPTIONAL)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '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					'N' or 'S'
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude					'E' or 'W'
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of Minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	I5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	I2	Last two digits of year
Month	48	2	Bytes	I2	
Day	50	2	Bytes	I2	1-31
Hour	52	2	Bytes	I2	0-23
Minutes	54	2	Bytes	I2	0-59
Depth Interval Indicator	56	1	Bytes	I1	'0' equals unequally spaced depths
Depth Interval	57	3	Bytes	I3	'1' equals equal spaced depths
					When above equals '1', the depth interval, to tenths of meters reported.
Barometric Pressure	60	5	Bytes	I5	Millibars to tenths

RECORD FORMAT DESCRIPTION STD

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

RECORD FORMAT DESCRIPTION

RECORD NAME Detail 2 Record (STD)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '022'
File - Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	I5	Meters to tenths
Dissolved Oxygen	21	5	Bytes	I5	ml/l to thousandths
Transmissivity	26	5	Bytes	I5	% to thousandths
Blank	31	4	Bytes	4X	
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
Data	36	4(20)	Bytes	4(3I5,4X,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

Scan Data

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

Liaison Office
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

14 August 1979

Mr. J. Bruce Andrews
EG&G
Environmental Consultants
151 Bear Hill Road
Waltham, MA 02154

Dear Bruce:

This is to acknowledge receipt of your data tapes (2) containing the CTD data for cruises 7701, 7702, 7801, and 7802. Both tapes have been forwarded to NODC for screening and archiving.

Sincerely yours,

George Heimerdinger

GH:dh
cc: T. Picciolo, NODC ✓

P.S. These are BLM data for Georges Bank



EG&G ENVIRONMENTAL GROUP
151 Bear Hill Road
Waltham, Massachusetts 02154
(617) 890-3710

August 8, 1979

Mr. George Heimerdinger
New England Liaison Officer, EDIS
Clark Laboratory
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

Dear George:

I am sending you a tape and listings containing CTD data from our hydrographic cruises 7701, 7801, and 7802 in revised format, without embedded zeros and 999's at the end of casts.

I hope to begin sending tapes of moored instrument data very shortly in the same format as the previous test tape.

Thank you for your assistance.

Very truly yours,

EG&G
Environmental Consultants

A handwritten signature in cursive script that reads 'J. Bruce Andrews'.

J. Bruce Andrews

JBA/sbm
Encls.

cc: K. Berger

Filetype

022-5

73
04

2634

120/4300, F022

13394 (C4164)

#1 8020121

TR 4169-4173, 4400, 4439-4443, (4449-4451), (4459-4460),
4436-4438, 5102, 5487-5492, 5592-5605, 5734-5737,
5917-5918 5314-5315, 5322-5325

184,261
164,676

Accession No: 79-0259

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

USER'S INPUT REQUESTS FOLLOW
LRECL WAS 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 1 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

0227R44491 YDATA INTERPOLATED AT 1 METER INTERVALS FROM HALF DECIBAR AVERAGED PRESSURE SERIES

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 HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	S. DEV	COUNT	FP	FP=1	>=1
M 2	16	2	16	LAT DEG	0 89	40 42	40.87	1.10	66	66	0	0
M 2	18	4	16	LAT MIN TO .01	0 3999	0 3980	2667.12	1738.16	66	66	0	0
C 2	22	1	16	0300LAT HEM					66			
M 2	23	3	16	LON DEG	0 179	65 69	67.21	1.32	66	66	0	0
M 2	26	4	16	LON MIN TO .01	0 3999	10 3990	3160.90	1803.00	66	66	0	0
C 2	30	1	16	0301LON HEM					66			
N 2	41	5	16	NUM. OF SCANS/STATION AT 5/REC	1 39999	34 346	143.56	119.12	66	66	0	0
M 2	46	2	16	YEAR	NO RANGE CHECKING	77 77	77.00	00	66	66	0	0
M 2	48	2	16	MONTH	1 12	9 9	9.00	00	66	66	0	0
M 2	50	2	16	DAY	1 31	7 13	10.15	2.06	66	66	0	0
M 2	52	2	16	HOUR	0 23	0 23	12.18	6.90	66	66	0	0
N 2	54	2	16	MINUTE	0 59	0 56	28.00	17.51	66	66	0	0
C 2	56	1	16	0216DEPTH INTERVAL INDIC.					66			
N 2	57	3	16	DEPTH INTVL. METERS TO .1	1 999	10 10	10.00	00	66	66	0	0
N 2	60	4	16	BAROMETRIC PRESS MB TO .1	944 1650	NO VALUES FOUND FOR THIS PARAMETER						
N 2	65	4	16	WET-BULB DEG CENTIGRADE TO .1	-360 400	NO VALUES FOUND FOR THIS PARAMETER						
N 2	69	4	16	DRY-BULB DEG C TO .1	-360 400	NO VALUES FOUND FOR THIS PARAMETER						
C 2	73	2	16	0110 WIND DIR IN TENS OF DEG								
N 2	75	2	16	WIND SPEED IN KILOMETERS	0 70	NO VALUES FOUND FOR THIS PARAMETER						
C 2	77	1	16	0108WEATHER CODE								
C 2	78	1	16	0109SEA STATE CODE								
C 2	79	1	16	0157VISIBILITY CODE								
C 2	80	1	16	0053CLOUD TYPE CODE								
C 2	81	1	16	0105CLOUD AMOUNT CODE								
N 2	108	5	16	BOTTOM DEPTH IN M/0.01 METERS	0 8000	NO VALUES FOUND FOR THIS PARAMETER						
N 2	113	4	16	MAX DEPTH OF CAST METERS	0 6000	NO VALUES FOUND FOR THIS PARAMETER						
B 2	117	4	16						66			
N 3	16	5	16	DEPTH1 METERS TO .1	0 -60000	0 3470	1210.54	1169.19	1922	1922	0	0
N 3	36	5	16	DEPTH2 METERS TO .1	1 -60000	10 3430	1219.74	1167.97	1908	1908	0	0
N 3	56	5	16	DEPTH3 METERS TO .1	2 -60000	20 3440	1226.33	1164.28	1898	1898	0	0
N 3	76	5	16	DEPTH4 METERS TO .1	3 -60000	30 3430	1234.51	1166.69	1881	1881	0	0
N 3	96	5	16	DEPTH5 METERS TO .1	4 -60000	40 3460	1244.55	1167.97	1866	1866	0	0
N 3	21	5	16	TEMPER1 DEGREES C TO .001	-2000 -33000	5099 27248	11579.40	4710.80	1922	1922	0	0
N 3	41	5	16	TEMPER2 DEGREES C TO .001	-2000 -33000	5099 27249	11522.32	4694.74	1908	1908	0	0
N 3	61	5	16	TEMPER3 DEGREES C TO .001	-2000 -33000	5100 27247	11476.01	4667.57	1898	1898	0	0
N 3	81	5	16	TEMPER4 DEGREES C TO .001	-2000 -33000	5101 27246	11440.45	4641.37	1881	1881	0	0
N 3	101	5	16	TEMPER5 DEGREES C TO .001	-2000 -33000	5101 27248	11394.31	4617.45	1866	1866	0	0
N 3	26	5	16	SALINITY1 PPT TO .001	10000 -38000	31721 36897	33986.21	1293.51	1922	1922	0	0
N 3	46	5	16	SALINITY2 PPT TO .001	10000 -38000	31813 36892	33995.08	1290.96	1908	1908	0	0

LINE	NO.	PARAMETER NAME	UNIT	VALUE	DESCRIPTION
N 3	86	SALINITY3 PPT TO .001	10000	.28000	31815 36993 34001.28 1287.68 1898 1898 0 0
N 3	86	SALINITY4 PPT TO .001	10000	.28000	31815 36900 34008.10 1286.85 1881 1881 0 0
N 3	106	SALINITY5 PPT TO .001	10000	.28000	31815 36902 34017.48 1285.40 1866 1866 0 0
N 3	31	4 SIGMA-T1 TO .01	315	3000	2296 2767 2578.91 130.10 1922 1922 0 0
N 3	31	4 SIGMA-T2 TO .01	315	3000	2296 2767 2580.70 129.31 1908 1908 0 0
N 3	71	4 SIGMA-T3 TO .01	315	3000	2296 2767 2582.15 128.38 1898 1898 0 0
N 3	91	4 SIGMA-T4 TO .01	315	3000	2296 2767 2583.44 127.46 1881 1881 0 0
N 3	111	4 SIGMA-T5 TO .01	315	3000	2296 2767 2585.11 126.40 1869 1866 0 0
C 3	35	1 0080SCAN CONDITION1 CODE			1922
C 3	35	1 0080SCAN CONDITION2 CODE			1908
C 3	75	1 0080SCAN CONDITION3 CODE			1894
C 3	95	1 0080SCAN CONDITION4 CODE			1881
C 3	115	1 0080SCAN CONDITION5 CODE			1869
N 4	16	5 DEPTH6 IN METERS TO .1	5	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4	36	5 DEPTH7 IN METERS TO .1	6	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4	56	5 DEPTH8 IN METERS TO .1	7	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4	76	5 DEPTH9 IN METERS TO .1	8	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4	96	5 DEPTH10 IN METERS TO .1	9	.40000	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	.59000	NO VALUES FOUND FOR THIS PARAMETER
B 4	31	4			NO VALUES FOUND FOR THIS PARAMETER
N 4	46	5 TRANSMISSIVITY2 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
B 4	51	4			NO VALUES FOUND FOR THIS PARAMETER
N 4	66	5 TRANSMISSIVITY3 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
B 4	71	4			NO VALUES FOUND FOR THIS PARAMETER
N 4	86	5 TRANSMISSIVITY4 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
B 4	96	4			NO VALUES FOUND FOR THIS PARAMETER
N 4	106	5 TRANSMISSIVITY5 % TO .001	1	.59000	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	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5	36	5 DEPTH2 METERS TO .1	1	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5	56	5 DEPTH3 METERS TO .1	2	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5	76	5 DEPTH4 METERS TO .1	3	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5	96	5 DEPTH5 METERS TO .1	4	.40000	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 3 75 1 0080SCAN CONDITION CODE
N 3 95 1 0080SCAN CONDITION CODE
N 3 115 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 1

2054

027TR44501 DATA INTERPOLATED AT 1 METER INTERVALS FROM HALF DECI BAR AVERAGED PRESSURE SERIES

1

??????
FILE IN 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	Z-1
M 2	16	2	1	LAT DEG	0 89	40 42	40.88	1.09	62	62	0	0
M 2	18	4	1	LAT MIN TO .01	0 5999	20 5990	2914.19	1914.12	62	62	0	0
C 2	22	1	1	0300LAT HEM					62			
M 2	23	3	1	LON DEG	0 179	65 69	67.03	1.41	62	62	0	0
M 2	26	4	1	LON MIN TO .01	0 5999	170 5970	2947.25	1855.77	62	62	0	0
C 2	30	1	1	0301LON HEM					62			
M 2	41	5	1	NUM. OF SCANS/STATION AT 5/REC	1 59999	30 500	176.59	143.06	62	62	0	0
M 2	46	2	1	YEAR	NO RANGE CHECKING	77 78	77.98	78	62	62	0	0
M 2	48	2	1	MONTH	1 12	2 2	2.00	00	62	62	0	0
M 2	50	2	1	DAY	1 31	14 19	16.54	1.71	62	62	0	0
M 2	52	2	1	HOUR	0 23	0 23	11.08	7.29	62	62	0	0
M 2	54	2	1	MINUTE	0 59	0 59	27.53	19.04	62	62	0	0
C 2	56	1	1	0216DEPTH INTERVAL INDIC.					62			
N 2	57	3	1	DEPTH INTVL. METERS TO .1	1 999	10 10	10.00	00	62	62	0	0
N 2	60	4	1	BAROMETRIC PRESS MB TO .1	944 1050	NO VALUES FOUND FOR THIS PARAMETER						
N 2	65	4	1	WET-BULB DEG CENTIGRADE TO .1	300 400	NO VALUES FOUND FOR THIS PARAMETER						
N 2	69	4	1	DRY-BULB DEG C TO .1	300 400	NO VALUES FOUND FOR THIS PARAMETER						
C 2	73	2	1	0110 WIND DIR IN TENS OF DEG								
N 2	75	2	1	WIND SPEED IN KILOMETERS	0 70	NO VALUES FOUND FOR THIS PARAMETER						
C 2	77	1	1	0108WEATHER CODE								
C 2	78	1	1	0109SEA STATE CODE								
C 2	79	1	1	0157VISIBILITY CODE								
C 2	80	1	1	0053CLOUD TYPE CODE								
C 2	81	1	1	0105CLOUD AMOUNT CODE								
N 2	108	5	1	BOTTOM DEPTH IN WHOLE METERS	0 8000	NO VALUES FOUND FOR THIS PARAMETER						
N 2	113	4	1	MAX DEPTH OF CAST METERS	0 8000	NO VALUES FOUND FOR THIS PARAMETER						
B 2	117	4	1						62			
N 3	16	5	1	DEPTH1 METERS TO .1	0 40000	10 4970	1463.54	1275.26	2216	2216	0	0
N 3	36	5	1	DEPTH2 METERS TO .1	1 40000	20 4980	1465.31	1272.46	2199	2199	0	0
N 3	56	5	1	DEPTH3 METERS TO .1	2 40000	30 4990	1481.15	1274.91	2188	2188	0	0
N 3	76	5	1	DEPTH4 METERS TO .1	3 40000	40 5000	1488.20	1274.29	2179	2179	0	0
N 3	96	5	1	DEPTH5 METERS TO .1	4 40000	50 5010	1500.80	1276.64	2167	2167	0	0
N 3	21	5	1	TEMPER1 DEGREES C TO .001	2000 33000	1112 12654	6185.07	2197.57	2216	2216	0	0
N 3	41	5	1	TEMPER2 DEGREES C TO .001	2000 33000	1154 12652	6197.33	2198.40	2199	2199	0	0
N 3	61	5	1	TEMPER3 DEGREES C TO .001	2000 33000	1158 12652	6212.06	2197.92	2188	2188	0	0
N 3	81	5	1	TEMPER4 DEGREES C TO .001	2000 33000	1158 12611	6218.13	2193.57	2179	2179	0	0
N 3	101	5	1	TEMPER5 DEGREES C TO .001	2000 33000	1158 12653	6231.83	2190.92	2167	2167	0	0
N 3	26	5	1	SALINITY1 PPT TO .001	10000 38000	31241 35441	33768.70	1012.33	2216	2216	0	0
N 3	46	5	1	SALINITY2 PPT TO .001	10000 38000	31247 35445	33773.94	1010.54	2199	2199	0	0
N 3	66	5	1	SALINITY3 PPT TO .001	10000 38000	31256 35444	33781.94	1009.52	2188	2188	0	0
N 3	86	5	1	SALINITY4 PPT TO .001	10000 38000	31272 35444	33787.07	1007.34	2179	2179	0	0
N 3	106	5	1	SALINITY5 PPT TO .001	10000 38000	31272 35441	33796.05	1006.04	2167	2167	0	0
N 3	31	4	1	SIGMA-T1 TO .01	315 3000	2503 2757	2654.22	57.76	2216	2216	0	0
N 3	51	4	1	SIGMA-T2 TO .01	315 3000	2504 2757	2654.49	57.58	2199	2199	0	0
N 3	71	4	1	SIGMA-T3 TO .01	315 3000	2504 2757	2654.93	57.73	2188	2188	0	0
N 3	91	4	1	SIGMA-T4 TO .01	315 3000	2506 2757	2655.27	57.31	2179	2179	0	0
N 3	111	4	1	SIGMA-T5 TO .01	315 3000	2506 2757	2655.81	57.52	2167	2167	0	0
C 3	35	1	1	0080SCAN CONDITION1 CODE					2216			
C 3	55	1	1	0080SCAN CONDITION2 CODE					2199			
C 3	75	1	1	0080SCAN CONDITION3 CODE					2188			
C 3	95	1	1	0080SCAN CONDITION4 CODE					2179			
C 3	115	1	1	0080SCAN CONDITION5 CODE					2167			

N 4 16	5 DEPTH6 IN METERS TO .1	5	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4 36	5 DEPTH7 IN METERS TO .1	6	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4 56	5 DEPTH8 IN METERS TO .1	7	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4 76	5 DEPTH9 IN METERS TO .1	8	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 4 96	5 DEPTH10 IN METERS TO .1	9	.40000	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	.59000	NO VALUES FOUND FOR THIS PARAMETER
N 4 46	5 TRANSMISSIVITY2 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
N 4 66	5 TRANSMISSIVITY3 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
N 4 86	5 TRANSMISSIVITY4 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
N 4 106	5 TRANSMISSIVITY5 % TO .001	1	.59000	NO VALUES FOUND FOR THIS PARAMETER
N 5 16	5 DEPTH1 METERS TO .1	0	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5 36	5 DEPTH2 METERS TO .1	1	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5 56	5 DEPTH3 METERS TO .1	2	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5 76	5 DEPTH4 METERS TO .1	3	.40000	NO VALUES FOUND FOR THIS PARAMETER
N 5 96	5 DEPTH5 METERS TO .1	4	.40000	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 VALUES FOUND FOR THIS PARAMETER
N 5 115	1 0080SCAN CONDITION CODE			NO VALUES FOUND FOR THIS PARAMETER

NO RANGE CHECKING
NO RANGE CHECKING

022TR44511 DATA INTERPOLATED AT 1 METER INTERVALS FROM HALF DECIBAR AVERAGED PRESSURE SERIES

1

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FILE ID 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	0	89	39	42	40.91	1.13	72	72	0	0
M	2	18	4	LAT MIN TO .01	0	9999	0	9850	2650.69	1796.45	72	72	0	0
C	2	22	1	0500LAT HEM							72			
M	2	23	3	LOX DEG	0	179	65	69	66.59	1.53	72	72	0	0
M	2	26	4	LOX MIN TO .01	0	9999	10	9910	3270.41	1769.20	72	72	0	0
C	2	30	1	0501LOX HEM							72			
M	2	41	5	NUM. OF SCANS/STATION AT 5/REC	1	99999	34	525	198.06	157.97	72	72	0	0
M	2	46	2	YEAR	NO RANGE	CHECKING	78	78	78.00	00	72	72	0	0
M	2	48	2	MONTH	1	12	5	5	5.00	00	72	72	0	0
M	2	50	2	DAY	1	31	19	23	20.84	1.45	72	72	0	0
M	2	52	2	HOUR	0	23	0	23	11.55	7.24	72	72	0	0
M	2	54	2	MINUTE	0	59	0	58	26.22	16.39	72	72	0	0
C	2	56	1	0216DEPTH INTERVAL INDIC							72			
N	2	57	3	DEPTH INTVL. METERS TO .1	1	999	10	10	10.00	00	72	72	0	0
N	2	60	4	BAROMETRIC PRESS Mb TO .1	944	1050	NO VALUES FOUND FOR THIS PARAMETER							
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										
N	2	75	2	WIND SPEED IN KILOMETERS	0	70	NO VALUES FOUND FOR THIS PARAMETER							
C	2	77	1	0108WEATHER CODE										
C	2	78	1	0109SEA STATE CODE										
C	2	79	1	0157VISIBILITY CODE										
C	2	80	1	0053CLOUD TYPE CODE										
C	2	81	1	0105CLOUD AMOUNT CODE										
N	2	108	5	BOTTOM DEPTH IN WHOLE METERS	0	8000	NO VALUES FOUND FOR THIS PARAMETER							
N	2	113	4	MAX DEPTH OF CAST METERS	0	6000	NO VALUES FOUND FOR THIS PARAMETER							
B	2	117	4								72			
N	3	16	5	DEPTH1 METERS TO .1	0	60000	10	5220	1625.64	1376.18	2884	2884	0	0
N	3	36	5	DEPTH2 METERS TO .1	1	60000	20	5230	1641.68	1378.12	2873	2873	0	0
N	3	56	5	DEPTH3 METERS TO .1	2	60000	30	5240	1648.61	1375.11	2851	2851	0	0
N	3	76	5	DEPTH4 METERS TO .1	3	60000	40	5250	1657.39	1375.78	2832	2832	0	0
N	3	96	5	DEPTH5 METERS TO .1	4	60000	50	5260	1663.09	1372.20	2821	2821	0	0
N	3	21	5	TEMPER1 DEGREES C TO .001	2000	33000	1441	21878	7237.22	2940.95	2884	2884	0	0
N	3	41	5	TEMPER2 DEGREES C TO .001	2000	33000	1351	21885	7253.08	2934.60	2873	2873	0	0
N	3	61	5	TEMPER3 DEGREES C TO .001	2000	33000	1485	21851	7234.48	2934.98	2851	2851	0	0
N	3	81	5	TEMPER4 DEGREES C TO .001	2000	33000	1546	21776	7250.24	2932.74	2832	2832	0	0
N	3	101	5	TEMPER5 DEGREES C TO .001	2000	33000	1621	21779	7245.80	2928.20	2821	2821	0	0
N	3	26	5	SALINITY1 PPT TO .001	10000	38000	30991	36400	34007.76	1194.39	2884	2884	0	0
N	3	46	5	SALINITY2 PPT TO .001	10000	38000	30991	36404	34017.16	1189.98	2873	2873	0	0
N	3	66	5	SALINITY3 PPT TO .001	10000	38000	30991	36411	34027.00	1184.91	2851	2851	0	0
N	3	86	5	SALINITY4 PPT TO .001	10000	38000	30992	36401	34034.46	1180.54	2832	2832	0	0
N	3	106	5	SALINITY5 PPT TO .001	10000	38000	30992	36398	34041.33	1175.39	2821	2821	0	0
N	3	31	4	SIGMA-T1 TO .01	315	3000	2454	2766	2636.78	76.46	2884	2884	0	0
N	3	51	4	SIGMA-T2 TO .01	315	3000	2453	2766	2637.60	76.00	2873	2873	0	0
N	3	71	4	SIGMA-T3 TO .01	315	3000	2454	2766	2638.35	75.52	2851	2851	0	0
N	3	91	4	SIGMA-T4 TO .01	315	3000	2454	2766	2639.06	75.02	2832	2832	0	0
N	3	111	4	SIGMA-T5 TO .01	315	3000	2454	2766	2639.61	74.20	2821	2821	0	0
C	3	35	1	0080SCAN CONDITION1 CODE							2884			
C	3	55	1	0080SCAN CONDITION2 CODE							2873			
C	3	75	1	0080SCAN CONDITION3 CODE							2851			
C	3	95	1	0080SCAN CONDITION4 CODE							2832			
C	3	115	1	0080SCAN CONDITION5 CODE							2821			

N 4	16	5	DEPTH6 IN METERS TO .1	5	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	36	5	DEPTH7 IN METERS TO .1	6	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	56	5	DEPTH8 IN METERS TO .1	7	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	76	5	DEPTH9 IN METERS TO .1	8	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	96	5	DEPTH10 IN METERS TO .1	9	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	21	5	DISSOLVED OXYGEN1 ML/L TC .001	1	15000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	41	5	DISSOLVED OXYGEN2 ML/L TC .001	1	15000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	61	5	DISSOLVED OXYGEN3 ML/L TC .001	1	15000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	81	5	DISSOLVED OXYGEN4 ML/L TC .001	1	15000	NO VALUES FOLNC FOR THIS PARAMETER
N 4	101	5	DISSOLVED OXYGEN5 ML/L TC .001	1	15000	NO VALUES FOLNC FOR THIS PARAMETER
C 4	35	1	0080SCAN CONDITION6 CODE			NO VALUES FOLNC FOR THIS PARAMETER
C 4	55	1	0080SCAN CONDITION7 CODE			NO VALUES FOLNC FOR THIS PARAMETER
C 4	74	1	0080SCAN CONDITION8 CODE			NO VALUES FOLNC FOR THIS PARAMETER
C 4	95	1	0080SCAN CONDITION9 CODE			NO VALUES FOLNC FOR THIS PARAMETER
C 4	115	1	0080SCAN CONDITION10 CODE			NO VALUES FOLNC FOR THIS PARAMETER
N 4	26	5	TRANSMISSIVITY1 % TO .001	1	.59000	NO VALUES FOLNC FOR THIS PARAMETER
B 4	31	4				NO VALUES FOLNC FOR THIS PARAMETER
N 4	46	5	TRANSMISSIVITY2 % TO .001	1	.59000	NO VALUES FOLNC FOR THIS PARAMETER
B 4	51	4				NO VALUES FOLNC FOR THIS PARAMETER
N 4	66	5	TRANSMISSIVITY3 % TO .001	1	.59000	NO VALUES FOLNC FOR THIS PARAMETER
B 4	71	4				NO VALUES FOLNC FOR THIS PARAMETER
N 4	86	5	TRANSMISSIVITY4 % TO .001	1	.59000	NO VALUES FOLNC FOR THIS PARAMETER
B 4	96	4				NO VALUES FOLNC FOR THIS PARAMETER
N 4	106	5	TRANSMISSIVITY5 % TO .001	1	.59000	NO VALUES FOLNC FOR THIS PARAMETER
B 4	111	4				NO VALUES FOLNC FOR THIS PARAMETER
N 5	16	5	DEPTH1 METERS TO .1	0	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	36	5	DEPTH2 METERS TO .1	1	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	56	5	DEPTH3 METERS TO .1	2	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	76	5	DEPTH4 METERS TO .1	3	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	96	5	DEPTH5 METERS TO .1	4	.40000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	21	5	TEMPER1 DEGREES C TO .001	-2000	.20000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	41	5	TEMPER2 DEGREES C TO .001	-2000	.20000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	61	5	TEMPER3 DEGREES C TO .001	-2000	.20000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	81	5	TEMPER4 DEGREES C TO .001	-2000	.20000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	101	5	TEMPER5 DEGREES C TO .001	-2000	.20000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	26	5	CONDUCT1 MMHO/CM TO .001	15000	.55000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	46	5	CONDUCT2 MMHO/CM TO .001	15000	.55000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	66	5	CONDUCT3 MMHO/CM TO .001	15000	.55000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	86	5	CONDUCT4 MMHO/CM TO .001	15000	.55000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	106	5	CONDUCT5 MMHO/CM TO .001	15000	.55000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	31	4	SIGMA-T1 TO .01	315	3000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	51	4	SIGMA-T2 TO .01	315	3000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	71	4	SIGMA-T3 TO .01	315	3000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	91	4	SIGMA-T4 TO .01	315	3000	NO VALUES FOLNC FOR THIS PARAMETER
N 5	111	4	SIGMA-T5 TO .01	315	3000	NO VALUES FOLNC FOR THIS PARAMETER
C 5	35	1	0080SCAN CONDITION CODE			NO VALUES FOLNC FOR THIS PARAMETER
C 5	55	1	0080SCAN CONDITION CODE			NO VALUES FOLNC FOR THIS PARAMETER
C 5	75	1	0080SCAN CONDITION CODE			NO VALUES FOLNC FOR THIS PARAMETER
N 5	95	1	0080SCAN CONDITION CODE			NO VALUES FOLNC FOR THIS PARAMETER
N 5	115	1	0080SCAN CONDITION CODE			NO VALUES FOLNC FOR THIS PARAMETER

NO RANGE CHECKING
NO RANGE CHECKING

NAHSEN REF. #

329193

MULDARS TRACK #

4449

MONITOR: CONTACT

CHUCK

LOCATION OF F022 SOURCE

ARCHIVES

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

DELETE "DEPTH TO BOTTOM"
IN ALL MASTER RECORD
(MOST GIVEN > 12000 meters)

9
10
16
27
28
34
35
39
45
52
53
54
66

Change day from 07 to 08

" " 08 to 09

" " 09 to 10

" " 09 to 10

Make latitude ~~minutes~~ 00 from 44

Change day from 10 to 11

Delete hour (093)

Change day from 11 to 12

" " 12 to 13

" " 12 to 13

" " 12 to 13

" " 13 to 14

Muldars Corrections Made 10/13/83 - MB
1. Depth to bottom not recorded in
original data.

Consec 34 made latitude = 420000 N in
of 4200 ON.

Muldars
Corrections made 10/18/83 - MB.

NANSEN REF. #

329194

MULDARS TRACK #

TR4450

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TR4450)

RECORD ALL ERRORS FOUND

CONSEC(S)

1-62

9

10

14-17

27-30

40-42

51-53

ERRORS FOUND

Delete Depth to Bottom

Change Year from 77 to 78

Change Day from 14 to 15

Change Day from 15 to 16

Change Day from 16 to 17

Change Day from 17 to 18

Change Day from 18 to 19

muldars corrections made 11/23/83 - MB.

Parameter quality indicator applied to 1 station

NANSEN REF. #

329195

MULDARS TRACK #

TR 4451

MONITOR: CONTACT

Gerald W. Darnon

LOCATION OF F022 SOURCE

Archives (TR 4451)

RECORD ALL ERRORS FOUND

CONSEC(S)

1-72

71-14

29-33

~~42-33~~

746-47

59-61

69

70-72

~~37~~

9

43

ERRORS FOUND

Delete depth to bottom

Day: change 19 to 20 C/20//

Day: change 20 to 21 C/21//

Temp. ~~quality~~ ^{SAL} FLAG AT 20m

Day: change 21 to 22 C/22//

Day: change 22 to 23 C/23//

Temp & salinity quality

Day: change 23 to 24 C/24//

~~Temp & salinity quality~~

TEMP. & SAL FLAG AT 6m

TEMP. FLAG AT 24m

Muldars corrections made 11/23/83
JH

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7900259	F022	TR4449	0091	31F4	32G8	1977/09/07	7701	309743
7900259	C022	329193	0091	31F4	32G8	1977/09/07	TR4449	309744
7900259	F022	TR4450	0091	31F4	32G8	1978/02/14	7801	309745
7900259	C022	329194	0091	31F4	32G8	1978/02/14	TR4450	309746
7900259	F022	TR4451	0091	31F4	32G8	1978/05/19	7802	309747
7900259	C022	329195	0091	31F4	32G8	1978/05/19	TR4451	309748

(6 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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7900259	F022	TR4449	32G8	66	2054	77/09/07	77/09/14
7900259	C022	329193	32G8	66	71	77/09/07	77/09/14
7900259	F022	TR4450	32G8	62	2340	78/02/14	78/02/19
7900259	C022	329194	32G8	62	71	78/02/14	78/02/19
7900259	F022	TR4451	32G8	72	3028	78/05/19	78/05/24
7900259	C022	329195	32G8	72	86	78/05/19	78/05/24

(6 rows affected)