

DDF A:2:14

Cruise # 319245 C022

ACCESSION
NUMBER

8100023

(2) COPY TRCVD 12/15/80
① RCVD 9/23/80

DATA DOCUMENTATION FORM

F022

TR6531

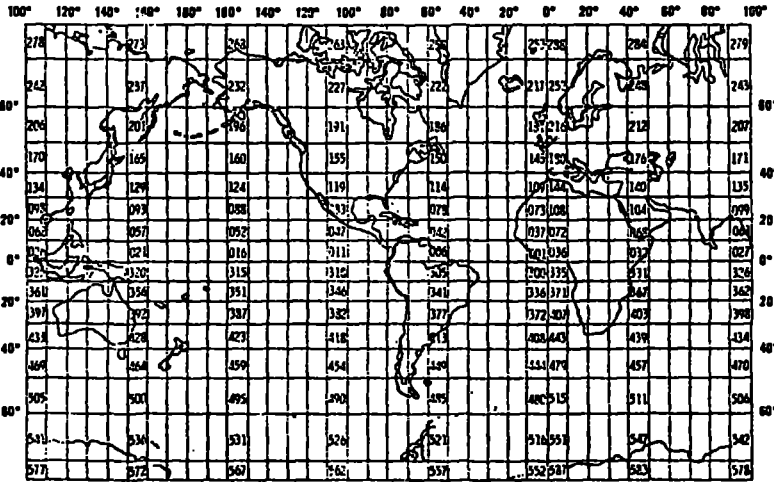
NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

ORIG TAPE W/673

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 DATA MANAGEMENT INSTITUTE OF MARINE SCIENCE UNIVERSITY OF ALASKA FAIRBANKS, ALASKA 99701			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT R/ AC283 283IMS	
4. PLATFORM NAME(S) R/V ACONA	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 07/29/79 07/30/79
8. ARE DATA PROPRIETARY? <input type="checkbox"/> NO <input checked="" 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) DATA MANAGEMENT, IMS CYDNEY HANSEN (907) 479-7836 (907) 479-7074			

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
SALINITY	0.001‰	NANSEN BOTTLES & PLESSEY STD	DESCRIPTION OF BASIC PROCESSING ATTACHED	N/A
TEMPERATURE	°C	DSR THERMOMETERS & PLESSEY STD	"	N/A
DEPTH	0.1m (1m = 1 db)	THERMOMETRIC DEPTH & PLESSEY STD	"	N/A

IMS STD/CTD DATA REDUCTION

NOVEMBER 1979

STDCP

Raw, 7 or 9-track magnetic tapes from 8400 or 8114 Plessey Digitizers are input along with conversion equations specific for each sensor. These equations reflect the latest calibration or factory compliance data. If the FISH contains a conductivity sensor, it is converted to salinity by a relation based on the work of A.S. Bennett (DSR, Vol. 23, No. 2, February 1976).

Output of this program is on 9-track tape and includes entered header data and all STD values on the 7-track tape. Output from this program is input for STDAV.

STDCP PRINT OUT

- 1) Print out the "FISH" serial number and the equations used to convert frequency to parameters for each FISH used.
- 2) If conductivity ratios are converted to salinities at this point, the conversion routines are printed out.
- 3) Input from 7 or 9-track and output to 9-track is documented. (This includes all headers, end of files, and record number indicators).

CALVAL

Periods from a frequency counter, taken at the time discrete samples were taken, is input along with raw temperature and conductivity data from the discrete samples. Each set of such data constitute one field correction.

All of the field corrections are listed along with mean values for standard deviations for temperature and salinity. Generally, values for temperature and salinity are rejected if they fall beyond two standard deviations from the mean.

Subjective judgments as to the quality of the field correction data is made at this time.

Output from this program provides input for STDAV.

NOVEMBER 1979

STDAV

Data from STDCP and CALVAL are input with header information which includes individual station position, time and weather.

STDAV checks each parameter to insure it falls within sensor limits. Parameters are grouped into one meter intervals (1 m = 1 db) and averaged. Field corrections are added to the one meter averages. (NOTE: depths, and their related data values, are accepted for inclusion in averaging, if and only if, depth H is greater than or equal to depth $H + 1$).

STDAV PRINT OUT

STDAV print out will include the following in addition to header and data:

- 1) All header information and corrected data in one meter intervals.
- 2) Field corrections used, to include mean and standard deviation for each parameter.
- 3) Flags indicating interpolated (*) and/or extrapolated (H) data are printed with associated data values.
- 4) Pertinent comments are solicited from the responsible principle investigator and attached to the final print out.

STDAV OUTPUT TAPE

A tape with one meter averages for Depth, Salinity, Temperature, Sigma-T, and Delta-D/per station is generated for data storage and further analysis.

NODC-F

This program is used to convert the output tape from STDAV (IES STD final format) to an NODC formatted tape for submission to NODC to fulfill contractual obligations.

C. DATA FORMAT

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

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

THREE RECORD TYPES WITHIN FILE TYPE 22

Designated by byte 10:

"1" for Text Record
"2" for Master Record
"3" for Detail Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File 22, STD/CTD: 0 to 99,999 Text records, followed by
1 Master record, Followed by
0 to 99,999 Detail records
Repeats

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Cydney Hansen, (907)479-7836

ADDRESS Institute of Marine Science, Univ. of Alaska, Fairbanks, Alaska 99701

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> .5 inch - 0.6 inch</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> octal 23</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">022 283IMS ACONA 283 07/29/79 - 07/30/79 Stations: 01-27 Dr. Colonell 9trk,800BPI,EBCDIC,NO LABEL,ODD PARITY</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 style="text-align: center;">5-120 bytes/block</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8 bits/byte</p>

RECORD FORMAT DESCRIPTION

RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
FILE TYPE "22" AS DESIGNATED BY CCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE, EXCEPT:					
1. Col.45-49 Depth in meters (I5 to 1/10ths)					
2. Col.50-53 Salinity in 0/00 (I4 to 1/100ths)					

FDFF IN.GFRC.ASCII.

FDEF OT,IRM,NI AB,NSER,EBCDIC,F120,C1600.

FOPT IN. RFCT.

PROC RFW NT. DUMP OT 15R.

***** 3K ADDITIONAL CORE NEEDED *****

FUNCTION REQUESTED: DUMP OF 15 RECORDS.

FILE OT REWOUND

C1	1	CC	1	360362362362	370363311324	342361100100	100100361343	310305100311
		CC	21	325342343311	343343343305	100326306100	324301331311	325305100342
		CC	41	303311305325	303305100311	342100331305	342327326325	342311302323
		CC	61	305100306326	331100343310	311342100304	301343301100	346310311303
		CC	81	310100346301	342100303326	323323305303	343303304100	100100100100
		CC	101	100100100100	100100100100	100100100100	100100100100	100100100361
		CC	2	360362362362	370363311324	342361100100	100100361301	302326301331
		CC	21	304100343310	305100301303	326325301100	302305343346	305305325100
		CC	41	360357140362	371140367371	100343326100	360367140363	360140367371
		CC	61	100302350100	304331113100	304331113100	303326323326	325305323323
		CC	81	100100100100	100100100100	100100100100	100100100100	100100100100
		CC	101	100100100100	100100100100	100100100100	100100100100	100100100362
		CC	3	360362362362	370363311324	342361100100	100100361326	306100343310
		CC	21	305100311325	342343311343	344343305100	326306100324	301331311325
		CC	41	305100342303	311305325303	305113100100	100100100100	100100100100
		CC	61	100100100100	100100100100	100100100100	100100100100	100100100100
		CC	101*	100100100100	100100100100	100100100100	100100100100	100100100363
		CC	4	360362362362	370363311324	342361100100	100100361343	310305331305
		CC	21	100346305331	305100301100	343326343301	323100326306	100362367100
		CC	41	342343301343	311326325342	100311325100	343310305100	327326331343
		CC	61	100345301323	304305351100	301331305301	113100100100	100100100100
		CC	81	100100100100	100100100100	100100100100	100100100100	100100100100
		CC	101	100100100100	100100100100	100100100100	100100100100	100100100364
		CC	5	360362362362	370363311324	342361100100	100100361342	343304100324
		CC	21	326304305323	1003371360364	360153100342	305331311301	323100325344
		CC	41	324302305331	100365363364	361100346301	342100344342	305304113100
		CC	61	305330344301	343311326325	322100344342	305304100343	326100307305
		CC	81	325305331301	343305100100	100100100100	100100100100	100100100100
		CC	101	100100100100	100100100100	100100100100	100100100100	100100100365
C1	2	CC	6	360362362362	370363311324	342361100100	100100361327	301331301324
		CC	21	305343305331	342100306331	326324100306	331305330344	305325303350
		CC	41	100306326323	323326346140	100100100100	100100100100	100100100100
		CC	61	100100100100	100100100100	100100100100	100100100100	100100100100

022283IMS1 I THE I
NSTITUTE OF MARINE S
CIENCE IS RESPONSIBL
E FOR THIS DATA WHIC
H WAS COLLECTED 1

0222831MS1 1ABGAR
D THE ACONA BETWEEN
07-29-79 TO 07-30-79
BY DR. DR. COLONELL
2

022283IMS1 1OF TH
E INSTITUTE OF MARIN
E SCIENCE.
3

022283 IMSI 1 THERE
WERE A TOTAL OF 27
STATIONS IN THE PORT
VALDEZ AREA.

022283IMS1 1STD M
ODEL 9040, SERIAL NU
MFR 5341 WAS USED.
EQUATIONS USED TO GE
NFRATE
5

022283IMS1 1PARAM
ETERS FROM FREQUENCY
FOLLOW-

CC	101*	100100100100	100100100100	100100100100	100100100100	100100100366
R	7	360362362362	370363311324	342361100100	100100361100	100100100100
CC	21	100100100100	100100100100	100100100100	100100100100	100100100100
CC	101*	100100100100	100100100100	100100100100	100100100100	100100100367
R	8	360362362362	370363311324	342361100100	100100361100	100100100100
CC	21	100342176115	342140364371	371365113326	304360135134	363113364364
CC	41	361361365366	304140363116	362366113360	304360100100	100100100100
CC	61	100100100100	100100100100	100100100100	100100100100	100100100100
CC	101*	100100100100	100100100100	100100100100	100100100100	100100100370
R	9	360362362362	370363311324	342361100100	100100361100	100100100100
CC	21	100343176115	343140362361	362367113360	304360135134	361113367371
CC	41	360371304140	362100140100	362113360304	360100100100	100100100100
CC	61	100100100100	100100100100	100100100100	100100100100	100100100100
CC	101*	100100100100	100100100100	100100100100	100100100100	100100100371
R	10	360362362362	370363311324	342361100100	100100361100	100100100100
CC	21	100304176115	304140371367	361363113371	304360135134	360113371365
CC	41	361367367366	366304360100	100100100100	100100100100	100100100100
CC	61	100100100100	100100100100	100100100100	100100100100	100100100100
CC	101*	100100100100	100100100100	100100100100	100100100100	100100361360
R	11	360362362362	370363311324	342361100100	100100361100	100100100100
CC	21	100100100100	100100100100	100100100100	100100100100	100100100100
CC	101*	100100100100	100100100100	100100100100	100100100100	100100361361
R	12	360362362362	370363311324	342361100100	100100361306	311305323304
CC	21	100303326331	331305303343	311326325100	306326331100	343310311342
CC	41	100303331344	311342305100	346301342100	343301322305	325100306331
CC	61	326324100371	100301303326	325301100303	331344311342	305342100301
CC	81	342100306326	323323326346	342140100100	100100100100	100100100100
CC	101	100100100100	100100100100	100100100100	100100100100	100100361362
R	13	360362362362	370363311324	342361100100	100100361301	303362367361
CC	21	153100301303	362367362153	100301303362	367363153100	301303362367
CC	41	364153100301	303362367365	153100301303	362367367153	100301303362
CC	61	367370153100	301303362370	361153100120	100301303362	370362113100
CC	81	100100100100	100100100100	100100100100	100100100100	100100100100
CC	101	100100100100	100100100100	100100100100	100100100100	100100361363
R	14	360362362362	370363311324	342361100100	100100361306	311305323304
CC	21	100303326331	331305303343	311326325100	306326331100	343310305100
CC	41	342343304100	304301343301	100346301342	100304305331	311345305304
CC	61	100302350100	303326324327	301331311325	307100342311	325307323305
CC	81	100302326343	343323305100	342301324327	323305342100	100100100100
CC	101	100100100100	100100100100	100100100100	100100100100	100100361364
R	15	360362362362	370363311324	342361100100	100100361343	326100331305
CC	21	303326331304	305304100327	305331311326	304342100306	331326324100
CC	41	343310305100	342343304100	342305325342	326331342113	100343310305
CC	61	100306311305	323304100303	326331331305	303343311326	325100311342
CC	81	140100100100	100100100100	100100100100	100100100100	100100100100
CC	101	100100100100	100100100100	100100100100	100100100100	100100361365

022283IMS1 1

6

022283IMS1 1

7

022283IMS1 1
S=(S-4985.000)*3.44
11560-3+26.000

8

022283IMS1 1
T=(T-2127.000)*1.79
09D-2 - 2.000

9

022283IMS1 1
D=(D-9713.900)*0.95
1776600

10

022283IMS1 1

11

022283IMS1 1FIELD
CORRECTION FOR THIS
CRUISE WAS TAKEN FR
OM 9 ACONA CRUISES A
S FOLLOWS-

12

022283IMS1 1AC271
AC272, AC273, AC27
4, AC275, AC277, AC2
78, AC281, & AC282.

13

022283IMS1 1FIELD
CORRECTION FOR THE
STD DATA WAS DERIVED
BY COMPARING SINGLE
BOTTLE SAMPLES

14

022283IMS1 1TO RE
CORDED PERIODS FROM
THE STD SENSORS. THE
FIELD CORRECTION IS

15

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 MODEL 9040	2/79		NOCC	1 YEAR					
NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.									

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

ACCESSION/TRACK NO.: **8100023 TR 6531**

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	W1673	NL	120	4800	FB		
DUPLICATE	012997	SL	120	120	F		
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	DIS IE6 * F022 TR 6531						1556
EDITED DISK FILE							

ACCESSION/TRACK #

8100023

TR6531

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #	01/13/81	EA	W1673	ONE			
QUADI/SCAN TAPE #	2/18/81 Q.	JPO	012997 MUL014	ONE	120 4800	120 120	
DDF EVALUATION	3/11/81	JEG					
QUALITY REVIEW	3/11/81	JEG					
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK	3/11/81	JEG	D15 IE6 * F022	TR6531			1556
FIRST USER TAPE #							
WORK DISK FILE	3/11/81	JEG	D15 IE6 * F022	TR6531			1556
FINAL USER TAPE #							
FINAL MULCHEK	3/11/81	JEG	D15 IE6 * F022	TR6531			1556
END DISK FILE							
DATA SET "FINALIZED"							

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8100023

- 1) File Type: FTP #22
- 2) Project Ident.: NP
- 3) Track Nos.: TP6531

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

none

II. Additional error corrections:

Error

Correction Completed (Check)

1. DELETED ALL RECORD TYPE (1) *TEMP* RECORDS *except* for CONSEC #1.
2. CONSEC #10 - Deleted depth, temp, SALINITY AND SIGMA-T values for depth 3.0 meters.
3. CONSEC #11 - Deleted depth, temp, SALINITY AND SIGMA-T values for depth 2.0 meters.

III. Processor Name:

Irish E. Green

DATA,IR IN.
 DATA ER1 73R106 03/16/84 17:53:10 (0)
 END DATA. PAGE COUNT: 1114

USE SYSIN,PRINT-OUT.

ASG,T SORTIN.,F///1000

QXQT DMNOE*IPLABS.MUL
 NSDCHEK *** NON-STANDARD DATA FIELD CHECKING PROGRAM
 THIS IS 01/11/79 VERSION WITH FULL CODE CHECKING

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

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

G22TR65311 1THE INSTITUTE OF MARINE SCIENCE IS RESPONSIBLE FOR THIS DATA WHICH WAS COLLECTED

1

FIRST FILE ID

G22TR65311 1THE INSTITUTE OF MARINE SCIENCE IS RESPONSIBLE FOR THIS DATA WHICH WAS COLLECTED

1

STATION NUMBER HAS CHANGED WITHOUT A MASTER
 THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NO CHECKING

T	R	POS	LEN	NAME	RANGE TESTED LOW HIGH	ACTUAL RANGE LOWEST HIGHEST	MEAN	FP	FP-1	>-1
Z	1	11	5	STATION NUMBER				17		
Z	1	16	100	TEXT				15		
N	1	116	5	SEQUENCE NUMBER 1.	00001 99999	1 17	9.00	17	0	0
Z	2	5	4	PRESSURE				27		
Z	2	11	5	STATION NUMBER				27		
M	2	16	2	LAT DEG 1.	40 89	60 61	60.92	27	0	0
M	2	18	4	LAT MIN .01	0000 5999	200 5850	945.92	27	0	0
C	2	22	1	0500 LAT HEMISPHERE				27		
M	2	23	3	LON DEG 1.	050 179	146 146	146.00	27	0	0
M	2	26	4	LON MIN .01	0000 5999	1690 5280	2684.70	27	0	0
C	2	30	1	0501 LON HEMISPHERE				27		
Z	2	31	10	TEXT				27		
M	2	41	5	COUNT OF SCANS 1.	00001 99999	95 370	196.74	27	0	0
M	2	46	2	DATE YEAR 1.	75 80	79 79	79.00	27	0	0
M	2	48	2	DATE MONTH 1.	01 12	7 7	7.00	27	0	0
M	2	50	2	DATE DAY 1.	01 31	29 30	29.29	27	0	0
M	2	52	2	DATE HR 1.	00 23	0 20	9.11	27	0	0
M	2	54	2	DATE MIN 1.	00 59	0 55	27.77	27	0	0
C	2	56	1	G216 DEPTH INTERVAL				27		
M	2	57	3	DEPTH M .1	001 999	10 10	10.00	27	0	0

N 2 65 4 WET BULB TEMPERATURE DEG C .1
 A 2 69 4 TEMPERATURE DEG C .1
 C 2 73 2 0110 WIND-WAVE DIRECTION
 N 2 75 2 WIND SPEED KM
 C 2 77 1 0108 WEATHER (WMO4501)
 C 2 78 1 0109 SEA STATE (WMO3700)
 C 2 79 1 0157 VISIBILITY (WMO4360)
 C 2 80 1 0053 CLOUD TYPE (WMO500)
 C 2 81 1 0105 CLOUD AMT (WMO2700)
 Z 2 82 20 TEXT
 Z 2 102 6 TEXT
 N 2 108 5 BATHYMETRY M 1.

-300	0400	0	0	00	27	0	0
-300	0400	150	180	163.70	27	0	0
					27		
00	70	0	12	3.25	27	0	0
					27		
					27		
					23		
					23		
					23		
					27		
					27		
00000	08000	99	376	201.48	27	0	0

			0000	6000	94	369	195-74	27	0	0
N 2	113	4 DEPTH M .1						27		
B 2	117	4 BLANK(S)						27		
Z 3	11	5 STATION NUMBER						1070		
A 3	16	5 DEPTH M .1	00000	60000	0	3650	1067.24	1070	0	0
M 3	21	5 TEMPERATURE DEG C .001	-2000	33000	3584	14711	5694.85	1070	0	0
N 3	26	5 SALINITY PPT .001	10000	36500	25360	33046	31295.59	1070	0	0
A 3	31	4 DENSITY .01	0315	3000	1866	2603	2467.04	1070	0	0
C 3	35	1 0080 STD-SCAN CONDITION						1070		
H 3	36	5 DEPTH M .1	00001	60000	10	3660	1075.13	1067	0	0
N 3	41	5 TEMPERATURE DEG C .001	-2000	33000	3589	14711	5660.54	1067	0	0
N 3	46	5 SALINITY PPT .001	10000	36500	25360	33046	31324.61	1067	0	0
N 3	51	4 DENSITY .01	0315	3000	1866	2604	2469.82	1067	0	0
C 3	55	1 0080 STD-SCAN CONDITION						1067		
A 3	56	5 DEPTH M .1	00002	60000	20	3670	1084.15	1063	0	0
A 3	61	5 TEMPERATURE DEG C .001	-2000	33000	3593	14711	5642.04	1063	0	0
N 3	66	5 SALINITY PPT .001	10000	36500	25360	33046	31365.03	1063	0	0
A 3	71	4 DENSITY .01	0315	3000	1866	2604	2473.22	1063	0	0
C 3	75	1 0080 STD-SCAN CONDITION						1063		
N 3	76	5 DEPTH M .1	00003	60000	30	3680	1091.53	1058	0	0
N 3	81	5 TEMPERATURE DEG C .001	-2000	33000	3594	14660	5614.04	1058	0	0
N 3	86	5 SALINITY PPT .001	10000	36500	25437	32908	31383.54	1058	0	0
N 3	91	4 DENSITY .01	0315	3000	1907	2604	2475.04	1058	0	0
C 3	95	1 0080 STD-SCAN CONDITION						1058		
N 3	96	5 DEPTH M .1	00004	60000	40	3690	1093.89	1052	0	0
N 3	101	5 TEMPERATURE DEG C .001	-2000	33000	3584	14563	5593.56	1052	0	0
N 3	106	5 SALINITY PPT .001	10000	36500	25538	32902	31396.35	1052	0	0
N 3	111	4 DENSITY .01	0315	3000	1925	2604	2476.33	1052	0	0
C 3	115	1 0080 STD-SCAN CONDITION						1052		
N 3	116	5 SEQUENCE NUMBER 1.	00001	99999	1	74	22.34	1070	0	0
Z 4	11	5 STATION NUMBER			NO VALUES FOUND FOR THIS PARAMETER					
N 4	16	5 DEPTH M .1	00005	60000	NO VALUES FOUND FOR THIS PARAMETER					
N 4	21	5 DISSOLVED OXYGEN GAS ML/L .001	00001	15000	NO VALUES FOUND FOR THIS PARAMETER					
N 4	26	5 LIGHT ATTENUATION X .001	00001	99000	NO VALUES FOUND FOR THIS PARAMETER					
B 4	31	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER					
C 4	35	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER					
N 4	36	5 DEPTH M .1	00006	60000	NO VALUES FOUND FOR THIS PARAMETER					
N 4	41	5 DISSOLVED OXYGEN GAS ML/L .001	00001	15000	NO VALUES FOUND FOR THIS PARAMETER					
N 4	46	5 LIGHT ATTENUATION X .001	00001	99000	NO VALUES FOUND FOR THIS PARAMETER					
B 4	51	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER					
C 4	55	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER					
N 4	56	5 DEPTH M .1	00007	60000	NO VALUES FOUND FOR THIS PARAMETER					
A 4	61	5 DISSOLVED OXYGEN GAS ML/L .001	00001	15000	NO VALUES FOUND FOR THIS PARAMETER					
N 4	66	5 LIGHT ATTENUATION X .001	00001	99000	NO VALUES FOUND FOR THIS PARAMETER					
B 4	71	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER					
C 4	75	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER					

N 5	16	5 DEPTH M .1	00010	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	21	5 TEMPERATURE DEG C .001	-2000	33000	NO VALUES FOUND FOR THIS PARAMETER
N 5	26	5 ELECTRICAL CONDUCTIVITY MMHOS/CM .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
B 5	31	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER
C 5	35	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER
N 5	36	5 DEPTH M .1	00010	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	41	5 TEMPERATURE DEG C .001	-2000	33000	NO VALUES FOUND FOR THIS PARAMETER
N 5	46	5 ELECTRICAL CONDUCTIVITY MMHOS/CM .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
B 5	51	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER
C 5	55	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER
N 5	56	5 DEPTH M .1	00010	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	61	5 TEMPERATURE DEG C .001	-2000	33000	NO VALUES FOUND FOR THIS PARAMETER
N 5	66	5 ELECTRICAL CONDUCTIVITY MMHOS/CM .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
B 5	71	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER
C 5	75	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER
N 5	76	5 DEPTH M .1	00010	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	81	5 TEMPERATURE DEG C .001	-2000	33000	NO VALUES FOUND FOR THIS PARAMETER
N 5	86	5 ELECTRICAL CONDUCTIVITY MMHOS/CM .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
B 5	91	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER
C 5	95	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER
N 5	96	5 DEPTH M .1	00010	60000	NO VALUES FOUND FOR THIS PARAMETER
N 5	101	5 TEMPERATURE DEG C .001	-2000	33000	NO VALUES FOUND FOR THIS PARAMETER
N 5	106	5 ELECTRICAL CONDUCTIVITY MMHOS/CM .001	15000	55000	NO VALUES FOUND FOR THIS PARAMETER
B 5	111	4 BLANK(S)			NO VALUES FOUND FOR THIS PARAMETER
C 5	115	1 0080 STD-SCAN CONDITION			NO VALUES FOUND FOR THIS PARAMETER
N 5	116	5 SEQUENCE NUMBER 1.	00001	99999	NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ : 1114

NANSEN REF. #

319245

MULDARS TRACK #

TR6531

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF F022 SOURCE

Archives (TR6531)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

3, 16, 23

Sal. qual.: 0000m

7, 9, 10, 15, 16, 23, 24, 26, 27

" " 2m

11,

" " 3m

11, 12, 18, 22

Temp " 0000m

16, 24, 26, 27

Sal. " 4m

27

" " 6m

NO MULDARS CHANGES

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8100023	F022	TR6531	9999	31I7	31AC	1979/07/29	AC283	313706
8100023	C022	319245	9999	31I7	31AC	1979/07/29	TR6531	313707

(2 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
8100023	F022	TR6531	31AC	27	1114	79/07/29	79/07/30
8100023	C022	319245	31AC	27	28	79/07/29	79/07/30

(2 rows affected)