DDF-B:1:21 | ACCESSION NUMBER 76-1830

DATA DOCUMENTATION FORM

TR0592

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED
O.M.B. No. 41-R2651

319057

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

Institute of Marine Science
U. of Alaska
Fairbanks, Alaska 99701

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

OCSEAP
Rpt. # 289

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

814 IMS

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
Surveyor	Ship	US	US	10/28/75	11/17/75

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

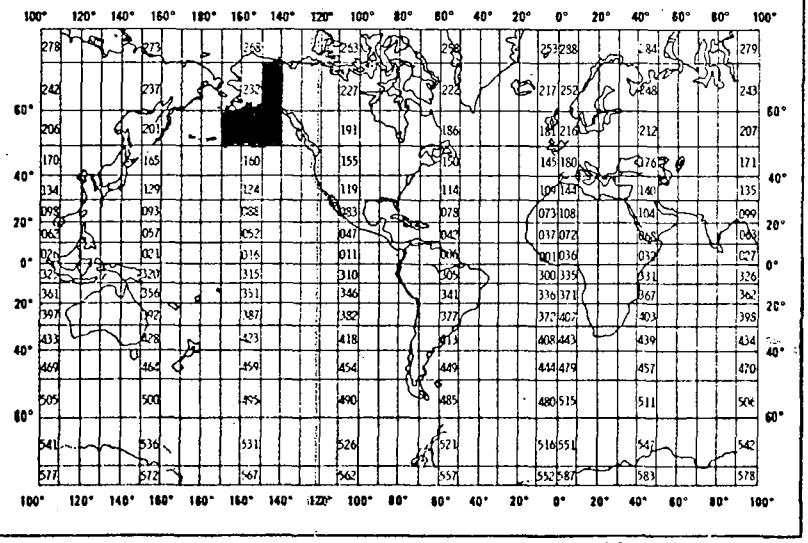
☒ NO ☒ YES ☐ PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Dave Nebert
Data Processing
907/479-7833
907/479-7074

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



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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	o/oo	Autosal 8400 and Hytech salinometers, CTD (Plessey)	See attached data processing procedure sheet	N/A
Temperature	°C	DSR Thermometers, CTD (Plessey)		
Depth	meters	Thermometric depth, CTD (Plessey)		

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 — NODC USER TAPE 76-1830

See Originator's

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See Originator's

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER N/A

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☒ .56

10. END OF FILE MARK
☐ OCTAL 17
☒ EBCDIC

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

VOL=SER=3914
LABEL=(1,NL)

12. PHYSICAL BLOCK LENGTH IN BYTES
3600 (120 x 30)

13. LENGTH OF BYTES IN BITS
8

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 AS: "1" For Text Record (in 10th Byte position)

"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

NOTE: All computations done with Fortran

4. RESPONSIBLE COMPUTER SPECIALIST:

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

ADDRESS Institute of Marine Science, University of Alaska, Fairbanks, AK 99701

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE: ☐ BCD ☐ BINARY ☐ ASCII ☒ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS): ☐ SEVEN ☒ NINE ☐ _____

7. PARITY: ☒ ODD ☐ EVEN

8. DENSITY: ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☒ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN): ☐ 3/4 INCH ☒ 0.5 - 0.6 Inch

10. END OF FILE MARK: ☐ OCTAL 17 ☒ Octal 23

289
~~307~~ 022 814IMS
Surveyor 814
Sta 1-74, 84-123, 125, 126
10/28/75-11/17/75 T. Royer
9TRK, 800BPI, EBCDIC, NO LABEL, ODD

VOLSER= 94446

12. PHYSICAL BLOCK LENGTH IN BYTES: 3600 BYTES

13. LENGTH OF BYTES IN BITS: 8 BITS /BYTE

ORIGINAL

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 NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Text	16	100	Bytes	100A1	Additional pertinent information
Sequence Number	116	5	Bytes	I5	Ascending numeric, used for sorting
MASTER RECORD (REQUIRED THRU BYTES 59)					
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of Minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	I5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	I2	Last two digits of year
Month	48	2	Bytes	I2	1-12
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 '1' equals equal spaced depths
Depth Interval	57	3	Bytes	I3	When above equals '1', the depth interval, to tenths of meters reported.
Barometric pressure	60	5	Bytes	I5	Millibars to tenths

GMT

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RECORD FORMAT DESCRIPTION STD

2-20-76

RECORD NAME MASTER RECORD CONTINUED

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
Wet bulb temperature	65	4	Bytes	I4	Degrees C to tenths
Dry bulb temperature	69	4	Bytes	I4	Degrees C to tenths
Wind direction	73	2	Bytes	I2	Tens of degrees WMO Codes 0855 and 0877
Wind speed	75	2	Bytes	I2	Whole knots
Weather Code	77	1	Bytes	I1	WMO 4501
Sea State Code	78	1	Bytes	I1	WMO 3700
Visibility Code	79	1	Bytes	I1	WMO 4300
Cloud Type Code	80	1	Bytes	A1	WMO 0500
Cloud Amount Code	81	1	Bytes	I1	WMO 2700
Instrument Information	82	20	Bytes	20A1	Type and Serial Number
Location Name	102	6	Bytes	A6	OCSEP Internal Location Code
Depth to bottom	108	5	Bytes	I5	To whole meters
Maximum depth of cast	113	4	Bytes	I4	To whole meters
Blank	117	4	Bytes	4X	
	DETAIL RECORD (REQUIRED)				
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	I5	Meters to tenths
Temperature	21	5	Bytes	I5	Degrees C to thousandths } SCAN
Salinity	26	5	Bytes	I5	P.P.T. to thousandths } DATA
Sigma-t	31	4	Bytes	I4	To hundredths
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	Bytes	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	Bytes	I5	Ascending numeric, used for sorting

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

RECORD FORMAT DESCRIPTION

1-16-76

RECORD NAME Detail 2 Record (STD)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 Data
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
Scan 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

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D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
Plessey CTD MOD. NO. 9040 SER. NO. 6201	1975		NRLC					✓	
PLESSEY CTD MOD. NO. 9040 SER. NO. 5887	1975		NRLC					✓	
Autosal MOD. 8400				✓					
Hytech SALINOMETER				✓					

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IMS STD/CTD DATA REDUCTION
July 1976

STDCOPY

Raw, 7-track mag 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 digitally entered header data and all STD values on the 7-track tape. Output from this program is input for STDAV.

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 and standard deviations for T and S. Generally, values for T and S 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.

STDAV

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

STDAV checks each parameter to insure it falls within sensor limits. Parameters are grouped into one meter intervals (1m = 1db) and averaged. Field corrections are added to the one meter averages.

STD Scan condition codes are set:

0 - Data processed prior to implementation of code. All values will be labeled 0.

1 - Value obtained from raw data at that depth interval. Processing to obtain this value must be specified in a DDF.

2 - Values are linearly interpolated from adjacent depth intervals.

3 - Values are obtained by "Vertical Extrapolation" from the first depths for which a value is found that falls within sensor limits.

Output includes header information and all corrected data in one meter intervals.

FINAL PRINT-OUT: To include the following, in addition to header and data:

1) Print-out "FISH" serial No. and stations for which it was used if more than one was used.

2) Equations used to convert frequency to parameters for each FISH used.

3) Field corrections used, to include mean and S.D. for each parameter. (If more than one fish was used, this is given for all fish).

4) Indicate how many bottles were used to determine each field correction for each fish used.

5) Other comments pertinent to individual stations or whole cruise.

Surveyor 814 - EBCDIC

Octal dump - 1st Physical Block
30 - 120 byte records

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```
$       FFILE   IN,PHYREC                                          00000000
$       FUTIL   IN,,DUMP/18/                                       00000000
```

BLK#	MODE	CC	WRD#	PHYREC	DUMP FILE#	1 FILECODE IN	DENS 800
1	BINARY		1	741713627617	076462352342	742401002004	036170744305	201447257056	%\#S"\7US(CK%D10 43/Y%L5 @PEY;
			6	171170762343	612403266144	032460354711	653425007054	171161352703	\9Y"CL/D3F/M3D+(P9V)E0Y*\9/(G3
			11	612403117044	033151361327	655527426234	132361240306	655545007074	/D39YM31/<#GV)GK51#C/D36V)N0Y%
			16	431170440304	603617012014	172664751705	607617056104	030160553301	L9YM34+<\1 @\FU=\5+"\5/431+).
			21	663421002004	010020040100	200401002004	010020040100	200401002004	W)A0 410 410 410 410 410 410 4
			26	010020040100	200403617417	136276170764	623523427424	010020040361	10 410 437%\#S"\7US(CK%D10 43/
			31	200403436214	250070562331	713427506555	450060542743	715427056524	43LS@E0Y;CIZ)GQV)N0+*GLZ*G5VD
			36	032660761726	605427312017	137020140725	610403256556	270565141305	3F+"\F+*GI \#Y @7E/43EV;G5V@#5
			41	662403617566	550074374767	752403027204	034322741513	201547267214	WD37=W)O%\PX=D32-43LB%:# :PF-@
			46	273120153306	201617106124	010020040100	200401002004	010020040100	GI :.6 >\8/D10 410 410 410 410
			51	200401002004	010020040100	200401002004	036274171362	761707646235	410 410 410 410 435%\#S"\7US(
			56	234274240100	200403612004	031165361343	623617447074	250065543100	CK%D10 43/ 439V<#LS<\MY%E0V*10
			61	651407316235	270520161303	623427256074	251320040100	200401002004	V@7I5(G5 >#3S)GE+%E# 410 410 4
			66	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410
			71	200401002004	010020040100	200401002004	010020040100	200401002004	410 410 410 410 410 410 410 4
			76	010020040100	200401002004	010020040100	200401002004	010020040363	10 410 410 410 410 410 410 43T
			81	741713627617	076462352342	742401002004	036120040100	200401002004	%\#S"\7US(CK%D10 43/ 410 410 4
			86	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410
			91	200401002004	010020040100	200401002004	010020040100	200401002004	410 410 410 410 410 410 410 4
			96	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410
			101	200401002004	010020040100	200401002004	010020040100	200401002004	410 410 410 410 410 410 410 4
			106	010020040100	200403647417	136276170764	623523427424	010020040361	10 410 43U%\#S"\7US(CK%D10 43/
			111	607617042015	232661142723	201747607517	015320161305	663447016464	+"\4 :CF/@GC \P+=\1$ >#5W)P1UU
			116	032571152302	613545007557	136074240346	603611007116	130561040306	3EZ:C2/(N0="#+%D3O+<90Z>#5/436
			121	655545007056	170170744726	653611007426	037174445500	201613436036	V)N0Y;\1Y%PFV<90%F3Z%M)O >#L+<
			126	171165552742	201747633017	076275440100	200401002004	010020040100	\9V)GK \PTH\7S=M10 410 410 410
			131	200401002004	010020040100	200401002004	036574171362	761707646235	410 410 410 410 43V%\#S"\7US(
			136	234274240100	200403612004	034470542704	201417436104	032465542305	CK%D10 43/ 43MY*G4 @\L/43DV*C5
			141	646403717417	236032640342	613547116035	150065362324	605427312017	UU3Z%\C+6U3K/(P9+(:0V<CD+*GI \
			146	277078173513	200403056616	230170744726	653611007116	130561040343	GY"\(# 435W>C1Y%PFV<90Z>#5/43L
			151	654403076135	270566340743	612401002004	010020040100	200401002004	VM37/(G5W)7L/D10 410 410 410 4
			156	010020040100	200401002004	010020040100	200401002004	010020040366	10 410 410 410 410 410 410 43W
			161	741713627617	076462352342	742401002004	036120040327	603547016514	%\#S"\7US(CK%D10 43/ 43G+(P1V@
			166	274361354742	201433316555	210061554705	661623056534	175020143326	GL/(PK @.IV)A0/)P5W>C5V)\Q @.F
			171	647517267147	510020040100	200401002004	010020040100	200401002004	U=\FZPR0 410 410 410 410 410 4
			176	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410
			181	200401002004	010020040100	200401002004	010020040100	200401002004	410 410 410 410 410 410 410 4
			186	010020040100	200403677417	136276170764	623523427424	010020040361	10 410 43X%\#S"\7US(CK%D10 43/
			191	200401002004	010020040100	200401002004	010020040100	200401002004	410 410 410 410 410 410 410 4
			196	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410
			201	200401002004	010020040100	200401002004	010020040100	200401002004	410 410 410 410 410 410 410 4
			206	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410
			211	200401002004	010020040100	200401002004	037074171362	761707646235	410 410 410 410 43Y%\#S"\7US(
			216	234274240100	200403612004	010020040100	200401002014	332666240342	CK%D10 43/ 410 410 410 @.FWD3K
			221	613547115035	150065353113	201733627417	054030040100	200401002004	/(P9+(:0V(I# \.S%\5.H410 410 4
			226	010020040100	200401002004	010020040100	200401002004	010020040100	10 410 410 410 410 410 410 410

```
231 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
236 010020040100 200401002004 010020040100 200401002004 010020040371   10 410 410 410 410 410 410 43Z
241 741713627617 076462352342 742401002004 036120040100 200401002004   %\#S"\7US(CK%D10 43/ 410 410 4
246 010020040100 201421762324 670630174767 743711357404 577175370767   10 410 @A"CDX6H\PX%\9(%4'Z=\7X
251 757733667525 651674045760 200401002004 010020040100 200401002004   =\.W=EV>%4'+ 410 410 410 410 4.
256 010020040100 200401002004 010020040100 200401002004 010020040100   10 410 410 410 410 410 410 4.0.
261 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
266 010020040100 201707607417 136276170764 623523427424 010020040361   10 410 \7+%\#S"\7US(CK%D10 43/
271 200401002004 010020040100 200401002014 217623246706 301713617457   410 410 410 410 @A"CDX6H\#/%'
276 353574045760 743737717417 453530171113 740401002004 010020040100   ((%4'+%\\Z%\N(H\9#%410 410 410
281 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
286 010020040100 200401002004 010020040100 200401002004 010020040100   10 410 410 410 410 410 410 410
291 200401002004 010020040100 200401002017 076174171362 761707646235   410 410 410 410 \7/%\#S"\7US(
296 234274240100 200403612004 010020040100 200401002004 030330354576   CK%D10 43/ 410 410 410 433H(H"
301 232467062017 237176372535 740457607417 036474170760 761733657477   CDX6H\CZ"\E(%4'+%\3U%\7+"\.V%\
306 153523570113 745717637437 110020040100 200401002004 010020040100   :(C'1#%'\T%\90 410 410 410 410
311 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
316 010020040100 200401002004 010020040100 200401002004 010020170762   10 410 410 410 410 410 410 \7S
321 741713627617 076462352342 742401002004 036120040100 200401002004   %\#S"\7US(CK%D10 43/ 410 410 4
326 010020040100 200401002004 010020040100 200401002004 010020040100   10 410 410 410 410 410 410 410
331 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
336 010020040100 200401002004 010020040100 200401002004 010020040100   10 410 410 410 410 410 410 410
341 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
346 010020040100 201707637417 136276170764 623523427424 010020040361   10 410 \7T%\#S"\7US(CK%D10 43/
351 200401002004 010020040100 201433266624 034261354711 603515006535   410 410 410 @.FWD3K/(P9+(:0V(
356 311320172770 761735002004 010020040100 200401002004 010020040100   I# \GY"\(0 410 410 410 410 410
361 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
366 010020040100 200401002004 010020040100 200401002004 010020040100   10 410 410 410 410 410 410 410
371 200401002004 010020040100 200401002017 076474171362 761707646235   410 410 410 410 \7U%\#S"\7US(
376 234274240100 200403612004 010020040100 200401002004 010020142176   CK%D10 43/ 410 410 410 410 @A"
381 232467063017 476774174113 763707632737 011376372371 761703612724   CDX6H\PX%\J#"\7TG\1#"\CZ"\3/GD
386 736022770100 200401002004 010020040100 200401002004 010020040100   .+B\10 410 410 410 410 410 410
391 200401002004 010020040100 200401002004 010020040100 200401002004   410 410 410 410 410 410 410 4
396 010020040100 200401002004 010020040100 200401002004 010020170765   10 410 410 410 410 410 410 \7V
```

ACCESSION #: 76-1830

CRUISE	VESSEL	PARAMETER	COUNT	BEGIN & END DATES		TEN DEG. SQUARES							
814IMS		STATIONS	116	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		BAROMETRIC PRESSURE	116	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		WET BULB TEMPERATURE	104	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		DRY BULB TEMPERATURE	104	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		WIND DIRECTION	116	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		WIND SPEED	116	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		WEATHER CODE	112	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		SEA STATE CODE	116	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		VISIBILITY CODE	109	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		CLOUD TYPE CODE	27	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		CLOUD AMOUNT CODE	28	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		DEPTH	84305	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		TEMPERATURE	84305	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		SALINITY	84305	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		SIGMA-T	84305	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+
		DEPTH2	0	0	0								
		DISSOLVED OXYGEN	0	0	0								
		TRANSMISSIVITY	0	0	0								
		ALL * DATA PRESENT	84305	751030	751113	N50+	W140+	N60+	W140+	N50+	W150+	N50+	W160+

022-2

#2 001545
007508
120/4800, FO22

ANSI 000295
5464
(C4049)
#1 UØ2Ø118

TR 268, 530-531, 551, 578, 582, 592, 740-741, 1320-1321, 1338, 1339, 1449-1453, 1541-1548, 1702-1704, 1720-1721, 1846-1851, 1854, 1892, 2095, 2100-2101, 2127-2128, 2381, 2387-2388, 2776-2777, 2931-2933

263,398

accession no: 76-1830

NANSEN REF. #

319057

MULDARS TRACK #

TR0592

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TR0592)

RECORD ALL ERRORS FOUND

CONSEC(S)	ERRORS FOUND
104	Change degree of longitude from 163° to 160°
108 & 113	Delete depth to bottom

Muldars corrections made 10/14/83

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7601830 F022 TR0592 0081 31I7 31SU    1975/10/30 814IMS       301338
 7601830 C022 319057 0081 31I7 31SU    1975/10/30 TR0592       301339

(2 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 7601830 F022 TR0592 31SU 116    21965  75/10/30   75/11/13
 7601830 C022 319057 31SU 116    176    75/10/30   75/11/13

(2 rows affected)
```