

Unique No.: 191619

Date of Entry: 04/13/90

8900195

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY - DINDB)

Accession No.: 8900195                      Reference No.: TV3523  
Former Accession No.:                      Former Reference No.:                      (Resub ONLY)

-----  
Media-In (DINDB):      09 - Digital Magnetic Tape

Exchange Format:      E018 - STD/CTD (F022)

Processing Format:      F022 - CTD/STD

\* Note \*    If data is F022, create an additional record for C022.

Country/Institute Code:      31I7                      Country/Platform Code: 31WT

Platform Type (DINDB): 09 - Ship                      Orig. Cruise ID: RA-8

Cruise Start Date: 10/02/88                      Project Code:

Cruise End Date:    10/19/88                      Data Use Code (DUC): 3

-----  
Number of Stations:      133                      Number of Records:    1,347

                    If stations/records not appropriate then:

                    Number:                      Units:

-----  
Ocean Area:

                    Code 1: 55                      Meaning: Bering Sea

                    Code 2:                      Meaning:

                    Code 3:                      Meaning:

-----  
DINDB Transaction Date:

NO. \_\_\_\_\_

FILETYPE \_\_\_\_\_

TR NO. \_\_\_\_\_

PROJECT IDENTIFICATION \_\_\_\_\_

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
PE A00945	8/1/89	RK	A00945 NL	1	<del>120</del> 2400	2400	<del>1347</del> 2022
E TAPE W13624	8/2/89	RK	W13624 SL	1	120	2400	1348
ED TAPE	8-23-89	R.P.S.	W08646 * *	1	120	12000	1,347
ED DISK							
CHECK	4/17/90	CBJ	SELVATA. F022 TV3523A	1	120	12000	1347
CHECK	4/18/90	CBJ	"				
F022	4/18/90	CBJ	F022 MARV. TV3523A/F022	1	120	12000	1347
FINALIZED							

REPORTED TO PRINCIPAL INVESTIGATOR:

W: tape is 9TRK, 1600BPI, ODD Parity, <sup>S</sup> L

DSN

DNODCA 8900195-01.

ALL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

DELETED ALL SPURIOUS ZERO AIR  
PRESSURE, WET-BULB & DRY-BULB TEMPS, ~~AND~~  
WIND-WAVE DIR AND WIND SPEEDS!

\*X LABEL: DNODCA \* ISHTAR OUT.

(TRACKS DELETED, FIELDS DELETED, ETC.)

**TRANSMITTAL AND RECEIPT RECORD**

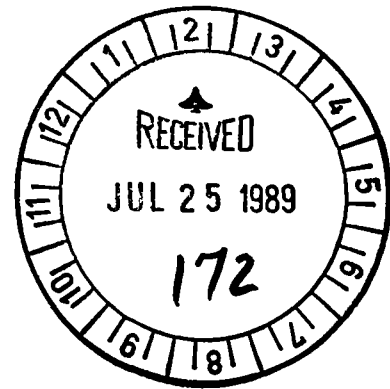
(Please sign and return carbon copy acknowledging receipt)

<b>TO:</b> NODC 1825 Connecticut Ave NW Washington DC 20235	REFER TO RA8
	ATTENTION Francis Mitchell

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

- ORDINARY MAIL   
  REGISTERED MAIL   
  AIR MAIL   
  CERTIFIED MAIL   
  GOVERNMENT TRUCK   
  BY HAND   
  OTHER

Enclosed is a 9 track magnetic tape of FT022 data from the Insitute of Marine Science Univeristy of Alaska.



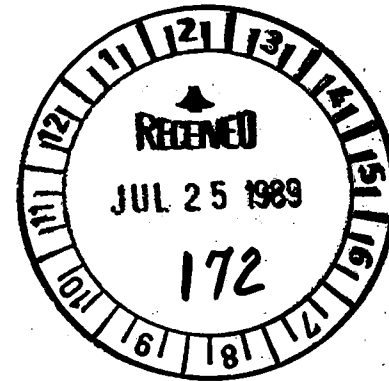
Station Statistics Enclosed.

8900 195

A00945

FORWARDED BY (Signature) Michael L. Crane	TITLE Liaison Officer, Emeritis	DATE FORWARDED 7/6/89
RECEIVED BY (Signature) F. Mitchell	TITLE	DATE RECEIVED

022 RAB 1348 RECORDS 133 STATIONS DATES 881082 THRU 881019  
TOTAL RECORDS= 1348



TO BE USED AND FUNCTION TO BE REPORTED

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
---	---

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
W13824		9	1.2	-	SI	FB	120	7400	4
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS

0/Proas - Send to ...  
to ...

ESTIMATED EXECUTION TIME

FOR USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS NOT COPIED
			C	... BY J...

ADP FACILITIES REQUEST FORM

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED  
*Scan Tape Drive*

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> TAPE PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
INPUT	<i>A12745</i>		<i>4</i>	<i>1100</i>		<i>ODD ML</i>	<i>FB</i>	<i>8120</i>	<i>2400</i>	<i>1</i>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS <i>Please Return to A12745          to Bin 11, Thanks</i>	ESTIMATED EXECUTION TIME
---	--------------------------------

0731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>101</i>	<i>10/18/84</i>	<i>10:35</i>	<i>10:35</i>	<i>C</i>	<i>COMPLETED BY JS</i>

COMMENTS

DATA DOCUMENTATION FORM

A00945

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

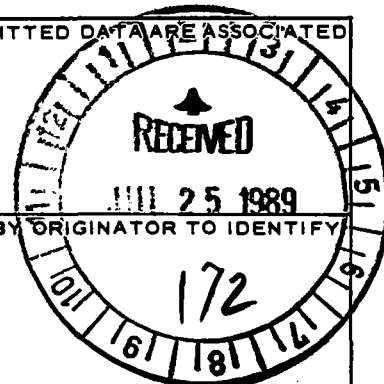
FORM APPROVED  
O.M.B. No. 41-R2651

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  
UNIVERSITY OF ALASKA  
INSTITUTE OF MARINE SCIENCE  
DATA MANAGEMENT  
ROOM 111 O'NEAL BUILDING  
FAIRBANKS, ALASKA 99701



2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  
ISHTAR  
DDP 8405286

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  
RA8

4. PLATFORM NAME(S)  
R/V ~~ALPHA HELIX~~  
Thomas Washington

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  
SHIP

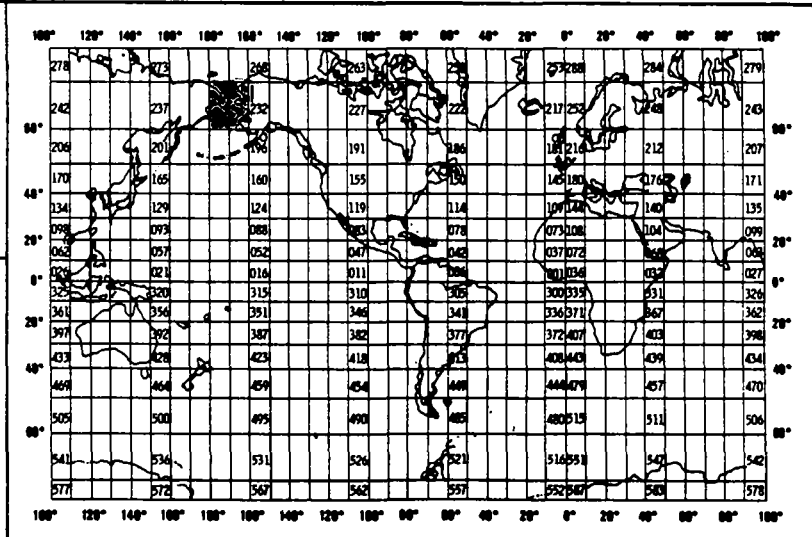
6. PLATFORM AND OPERATOR NATIONALITY(IES)  
PLATFORM OPERATOR  
USA USA

7. DATES  
FROM: MO, DAY, YR TO: MO, DAY, YR  
10/01/88 10/19/89

8. ARE DATA PROPRIETARY?  
 NO  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 DATA 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)  
DATA MANAGER  
(907) 474-7836  
(907) 474-7092

### C. DATA FORMAT

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

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 Data Manager (907) 474-7836

ADDRESS University of Alaska, Institute of Marine Science, 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 checked="" 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 <input type="checkbox"/> _____</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 32</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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><u>022008IMS</u> <u>R/V THOMAS WASHINGTON CRUISE RAB</u> <u>01-OCT-1988 TO 19-OCT-1988</u> <u>BERING AND CHUKCHI SEA</u> <u>R. TRIPP</u> <u>STATIONS: 1-46, 48-59, 61-92, 94-136.</u> <u>9TRK, 1600BPI, ASCII, NO LABEL, ODD.</u></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><u>20-120 bytes/block</u></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><u>8 bits/byte</u></p>



**RECORD FORMAT DESCRIPTION**

RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

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		
FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE					

### 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 & NEIL BROWN MARK IIIB CTD/O	DESCRIPTION OF BASIC PROCESSING ATTACHED.	N/A
TEMPERATURE	°C	DSR THERMOMETERS & NEIL BROWN MARK IIIB CTD/O	"	N/A
DEPTH	0.1M (1M = 1db)	THERMOMETRIC DEPTH & NEIL BROWN MARK IIIB CTD/O	"	N/A

## IMS STD/CTD DATA REDUCTION

JUNE 1980

### STDCP

Raw 9-track magnetic tapes from the Neil Brown Mark IIIB microprofiler are input. The conductivity 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 from the raw 9-track tape. Output from this program is input for STDAV.

### STDCP PRINT OUT

- 1) Print out the type of "FISH" used.
- 2) Input from 9-track and output to 9-track is documented. (This includes all headers, end of files, and record number indicators).

### CALVAL

Data values from the instrument display, taken at the time discrete samples were taken are 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.

### 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  (✓)	
NEIL BROWN MARK III CTD/O Microprofiler	5/88		SCRIPP	✓					
NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.									

Unique No.: 191620

Date of Entry: 04/13/90

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY - DINDB)

Accession No.: 8900195                      Reference No.: 319907  
Former Accession No.:                      Former Reference No.:                      (Resub ONLY)

-----  
Media-In (DINDB):      09 - Digital Magnetic Tape  
Exchange Format:      E001 - Low Resolution STD  
Processing Format:      C022 - Low Resolution STD (SD2 Format)

\* Note \*    If data is F022, create an additional record for C022.

Country/Institute Code:      31I7                      Country/Platform Code: 31WT  
Platform Type (DINDB): 09 - Ship                      Orig. Cruise ID: TV3523  
Cruise Start Date: 10/02/88                      Project Code:  
Cruise End Date:    10/19/88                      Data Use Code (DUC): 3

-----  
Number of Stations:      133                      Number of Records:      1,347

    If stations/records not appropriate then:

    Number:                      Units:

-----  
Ocean Area:

    Code 1: 55      Meaning: Bering Sea  
    Code 2:      Meaning:  
    Code 3:      Meaning:

-----  
DINDB Transaction Date:

NO. \_\_\_\_\_

FILETYPE \_\_\_\_\_

TR.  0. \_\_\_\_\_

PROJECT IDENTIFICATION \_\_\_\_\_

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
PE 700945	7/1/89	R.K.	A00945 NL	1	<del>120</del> 8	2400	<del>1745</del> 744
E TAPE W13624	8/2/89	R.K.	W13624 SL *	1	120	2400	1745
ED TAPE	8-23-89	R.P.S.	W08646 **	1	120	12000	1,347
ED DISK							
CHEK							
CHEK							
022							
FINALIZED							

REPORTED TO PRINCIPAL INVESTIGATOR:

\* DSN = DNODC \* 8900195-010

AL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

\*\* LABEL: DNODC \* ISHTAR OUT.

(TRACKS DELETED, FIELDS DELETED, ETC.)

**TRANSMITTAL AND RECEIPT RECORD**

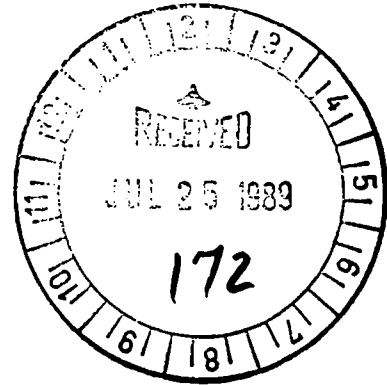
(Please sign and return carbon copy acknowledging receipt)

TO: NODC 1825 Connecticut Ave NW Washington DC 20235	REFER TO RA8
	ATTENTION Francis Mitchell

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

- ORDINARY MAIL   
  REGISTERED MAIL   
  AIR MAIL   
  CERTIFIED MAIL   
  GOVERNMENT TRUCK   
  BY HAND   
  OTHER

Enclosed is a 9 track magnetic tape of FT022 data from the Insitute of Marine Science Univeristy of Alaska.



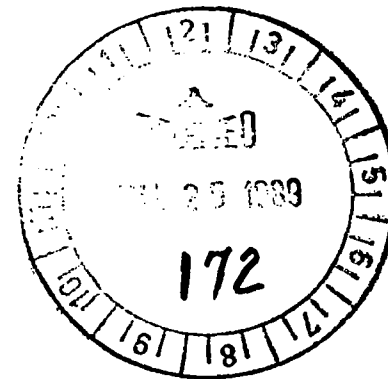
Station Statistics enclosed.

8900 1<sup>st</sup>

A00945

FORWARDED BY (Signature) Michael L. Crane	TITLE Liaison Officer, Emeritis	DATE FORWARDED 7/6/89
RECEIVED BY (Signature) F. Mitchell	TITLE	DATE RECEIVED

RAO 1340 RECORDS 133 STATIONS DATA SHEET IN 1917  
RECORDS= 1340





DATA DOCUMENTATION FORM

A00945

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

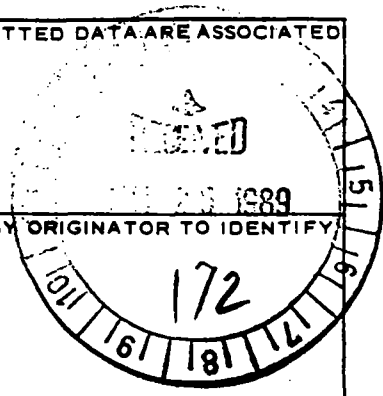
FORM APPROVED  
O.M.B. No. 41-R2651

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 UNIVERSITY OF ALASKA INSTITUTE OF MARINE SCIENCE DATA MANAGEMENT ROOM 111 O'NEAL BUILDING FAIRBANKS, ALASKA 99701				3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  RAS		7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 10/01/88 10/19/89	
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  ISHTAR  DDP 8405286		4. PLATFORM NAME(S)  R/V <del>ALPHA HELIX</del> <i>Thomas Washington</i>					
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)  DATA MANAGER (907) 474-7836 (907) 474-7092							



### C. DATA FORMAT

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

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

1. ATTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

**4. RESPONSIBLE COMPUTER SPECIALIST:**

NAME AND PHONE NUMBER Data Manager (907) 474-7836  
 ADDRESS University of Alaska, Institute of Marine Science, Fairbanks, Alaska 9970

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____</p>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <p><input type="checkbox"/> SEVEN  <input checked="" type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p><b>10. END OF FILE MARK</b></p> <p><input type="checkbox"/> OCTAL 17  <input checked="" type="checkbox"/> Octal 32</p>
<p><b>7. PARITY</b></p> <p><input checked="" type="checkbox"/> ODD  <input type="checkbox"/> EVEN</p>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>                  J22008IMS                  R/V THOMAS WASHINGTON CRUISE RAS                  01-OCT-1988 TO 19-OCT-1988                  BERING AND CHOKCHI SEA                  R. TRIPP                  STATIONS: 1-46, 48-59, 61-92, 94-136.                  9TRK. 1600BPI, ASCII, NO LABEL, ODD.</p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI  <input type="checkbox"/> 536 BPI  <input type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b>                  20-120 bytes/block</p> <p><b>13. LENGTH OF BYTES IN BITS</b>                  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 <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE					

**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 & NEIL BROWN MARK IIIIB CTD/O	DESCRIPTION OF BASIC PROCESSING ATTACHED.	N/A
TEMPERATURE	°C	DSR THERMOMETERS & NEIL BROWN MARK IIIIB CTD/O	"	N/A
DEPTH	0.1M (1M = 1db)	THERMOMETRIC DEPTH & NEIL BROWN MARK IIIIB CTD/O	"	N/A

## IMS STD/CTD DATA REDUCTION

JUNE 1980

### STDCP

Raw 9-track magnetic tapes from the Neil Brown Mark IIIB microprofiler are input. The conductivity 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 from the raw 9-track tape. Output from this program is input for STDAV.

### STDCP PRINT OUT

- 1) Print out the type of "FISH" used.
- 2) Input from 9-track and output to 9-track is documented. (This includes all headers, end of files, and record number indicators).

### CALVAL

Data values from the instrument display, taken at the time discrete samples were taken are 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.

### 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 (✓)
NEIL BROWN MARK III CTD/O Microprofiler	5/88		SCRIPP	✓					
NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.									

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8900195	C022	319907	9999	31I7	31WT	1988/10/02	TV3523	187681
8900195	F022	TV3523	9999	31I7	31WT	1988/10/02	RA-8	187682

(2 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
8900195	C022	319907	31WT	133	133	88/10/02	88/10/19
8900195	F022	TV3523	31WT	133	1347	88/10/02	88/10/19

(2 rows affected)