

DATA DOCUMENTATION FORM

REF 777208  
319651

F022/022

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		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  HX64	
4. PLATFORM NAME(S)  R/V ALPHA HELIX	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
		10/26/84	10/26/84
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.

**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**

<input type="checkbox"/> PL-1	<input type="checkbox"/> ALGOL	<input type="checkbox"/> COBOL	
<input checked="" type="checkbox"/> FORTRAN	<input type="checkbox"/> _____	<input type="checkbox"/> _____	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><b>5. RECORDING MODE</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> BCD</td> <td><input type="checkbox"/> BINARY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ASCII</td> <td><input checked="" type="checkbox"/> EBCDIC</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table> <p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> SEVEN</td> </tr> <tr> <td><input checked="" type="checkbox"/> NINE</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table> <p><b>7. PARITY</b></p> <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> ODD</td> </tr> <tr> <td><input type="checkbox"/> EVEN</td> </tr> </table> <p><b>8. DENSITY</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 200 BPI</td> <td><input checked="" type="checkbox"/> 1600 BPI</td> </tr> <tr> <td><input type="checkbox"/> 556 BPI</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 800 BPI</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input checked="" type="checkbox"/> ASCII	<input checked="" type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<input type="checkbox"/> SEVEN	<input checked="" type="checkbox"/> NINE	<input type="checkbox"/> _____	<input checked="" type="checkbox"/> ODD	<input type="checkbox"/> EVEN	<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI	<input type="checkbox"/> 556 BPI		<input type="checkbox"/> 800 BPI		<input type="checkbox"/> _____		<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> .5 - .6 inch</p> <p><b>10. END OF FILE MARK</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> OCTAL 17</td> </tr> <tr> <td><input checked="" type="checkbox"/> Octal 23 ?</td> </tr> </table> <p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p>022IMS</p> <p>ALPHA HELIX CRUISES: HX64 HX66 HX77 HX79</p> <p>9TRK, 1600BPI, ASCII, NO LABEL.</p> <p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p style="text-align: center;">40-120 bytes/block</p> <p><b>13. LENGTH OF BYTES IN BITS</b></p> <p style="text-align: center;">8 bits/byte</p>	<input type="checkbox"/> OCTAL 17	<input checked="" type="checkbox"/> Octal 23 ?
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY																					
<input checked="" type="checkbox"/> ASCII	<input checked="" type="checkbox"/> EBCDIC																					
<input type="checkbox"/> _____																						
<input type="checkbox"/> SEVEN																						
<input checked="" type="checkbox"/> NINE																						
<input type="checkbox"/> _____																						
<input checked="" type="checkbox"/> ODD																						
<input type="checkbox"/> EVEN																						
<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI																					
<input type="checkbox"/> 556 BPI																						
<input type="checkbox"/> 800 BPI																						
<input type="checkbox"/> _____																						
<input type="checkbox"/> OCTAL 17																						
<input checked="" type="checkbox"/> Octal 23 ?																						

# 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, <del>SECRET</del>					
					<del>1 Col. 50-53 Salinity in ‰ (Range 1/100ths)</del>

### 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 III B CTD/O	DESCRIPTION OF BASIC PROCESSING ATTACHED.	N/A
TEMPERATURE	°C	DSR THERMOMETERS & NEIL BROWN MARK III B CTD/O	"	N/A
DEPTH	0.1M (1M = 1db)	THERMOMETRIC DEPTH & NEIL BROWN MARK III B 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	AUG., 1984		NEIL BROWN						
<b>NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.</b>									

DATA DOCUMENTATION FORM REF **TT 7209**  
**319652**

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

**F022/022**

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		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  HX66	
4. PLATFORM NAME(S)  R/V ALPHA HELIX	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
		PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		USA	USA 03/21/85 03/21/85
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.**

**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 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><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII    <input checked="" 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 checked="" type="checkbox"/> 5.6 inch</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"/> <del>OCTAL 17</del> ?</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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p>022IMS          ALPHA HELIX CRUISES: HX64                                            HX66                                            HX77                                            HX79          9TRK, 1600BPI, ASCII, NO LABEL</p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p>40-120 bytes/block</p> <p><b>13. LENGTH OF BYTES IN BITS</b></p> <p>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, <del>EXCEPT:</del>					
					<del>1. Col. 50-53 salinity in ‰ (14 to 1/100ths)</del>

**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

### STDCEP

Raw 9-track magnetic tapes from the Neil Brown Mark IIIIB 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.

### STDCEP 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	AUG., 1984		NEIL BROWN						
<b>NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.</b>									

ACCESSION  
NUMBER

8600200

DATA DOCUMENTATION FORM

REF

TT 7210  
319653

NOAA FORM 24-13  
(4-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20882

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

F022/022

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		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  HX77	
4. PLATFORM NAME(S)  R/V ALPHA HELIX	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		7. DATES	
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		USA	USA
		10/17/85	10/17/85
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.

**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**

<input type="checkbox"/> PL-1	<input type="checkbox"/> ALGOL	<input type="checkbox"/> COBOL
<input checked="" type="checkbox"/> FORTRAN	<input type="checkbox"/> _____	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><b>5. RECORDING MODE</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> BCD</td> <td><input type="checkbox"/> BINARY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ASCII</td> <td><input checked="" type="checkbox"/> EBCDIC</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table> <p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> SEVEN</td> </tr> <tr> <td><input checked="" type="checkbox"/> NINE</td> </tr> <tr> <td><input type="checkbox"/> _____</td> </tr> </table> <p><b>7. PARITY</b></p> <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> ODD</td> </tr> <tr> <td><input type="checkbox"/> EVEN</td> </tr> </table> <p><b>8. DENSITY</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 200 BPI</td> <td><input checked="" type="checkbox"/> 1600 BPI</td> </tr> <tr> <td><input type="checkbox"/> 556 BPI</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 800 BPI</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input checked="" type="checkbox"/> ASCII	<input checked="" type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<input type="checkbox"/> SEVEN	<input checked="" type="checkbox"/> NINE	<input type="checkbox"/> _____	<input checked="" type="checkbox"/> ODD	<input type="checkbox"/> EVEN	<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI	<input type="checkbox"/> 556 BPI		<input type="checkbox"/> 800 BPI		<input type="checkbox"/> _____		<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> <del>5 1/2 inch</del></p> <p><b>10. END OF FILE MARK</b></p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> OCTAL 17</td> </tr> <tr> <td><input checked="" type="checkbox"/> <del>Octal 23</del> ?</td> </tr> </table> <p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p style="margin-left: 20px;">022IMS ALPHA HELIX CRUISE HX64 HX66 HX77 HX79 9TRK, 1600BPI, ASCII, NO LABEL</p> <p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p style="margin-left: 20px;">40-120 bytes/block</p> <p><b>13. LENGTH OF BYTES IN BITS</b></p> <p style="margin-left: 20px;">8 bits/byte</p>	<input type="checkbox"/> OCTAL 17	<input checked="" type="checkbox"/> <del>Octal 23</del> ?
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY																					
<input checked="" type="checkbox"/> ASCII	<input checked="" type="checkbox"/> EBCDIC																					
<input type="checkbox"/> _____																						
<input type="checkbox"/> SEVEN																						
<input checked="" type="checkbox"/> NINE																						
<input type="checkbox"/> _____																						
<input checked="" type="checkbox"/> ODD																						
<input type="checkbox"/> EVEN																						
<input type="checkbox"/> 200 BPI	<input checked="" type="checkbox"/> 1600 BPI																					
<input type="checkbox"/> 556 BPI																						
<input type="checkbox"/> 800 BPI																						
<input type="checkbox"/> _____																						
<input type="checkbox"/> OCTAL 17																						
<input checked="" type="checkbox"/> <del>Octal 23</del> ?																						

## 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, <del>EXCEPT:</del>					<del>1. Col. 30-33 salinity in ‰ (1‰ = 1/100ths)</del>

### 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

### STDGP

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.

### STDGP 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	AUG., 1984		NEIL BROWN						
<b>NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.</b>									

DATA DOCUMENTATION FORM REF

TT7211  
319654

NOAA FORM 24-13  
(4-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20882

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

F022/022

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  CREATIVITY EXTENSION		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  HX79	
4. PLATFORM NAME(S)  R/V ALPHA HELIX	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
		03/10/86	03/17/86
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.

**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 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><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII    <input checked="" 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 checked="" type="checkbox"/> <del>5</del> <del>16</del> inch</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"/> <del>0</del> <del>1</del> <del>2</del> 3 ?</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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p>022IMS  ALPHA HELIX CRUISES: HX64  HX66  HX77  HX79  9TRK, 1600BPI, ASCII, NO LABEL</p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p><u>40</u> 120 bytes/block</p> <p><b>13. LENGTH OF BYTES IN BITS</b></p> <p>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		
<p>FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE, EXCEPT:</p> <p style="margin-left: 40px;"><del>1. Col. 50-53 salinity in ‰ (14 to 1/100ths)</del></p>					

**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

### STDCEP

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.

### STDCEP 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	FEB. 1986 <del>AUG., 1984</del>		NEIL BROWN						
<b>NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.</b>									



ACCESSION NO. 8600200

FILETYPE F022  
C022

TRACK NO. TT7208-TT7211 PROJECT IDENTIFICATION \_\_\_\_\_  
REF 319651-319654 SOUTHERN ALASKA

STEP	DATE	INIT.	TAPE OR DISK DSN.	NO. FILES	RECL	BLK SIZE	NO. RECOR
ORIG. TAPE	6/13/86	K	HXNODC - A00246	4	120	4800	2560
DUPLICATE TAPE			W07259		120	4800	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

\*\*\*\*\* Record 11207 in INVENTORY. \*\*\*\*\*

011674 DATA ENTRY INFORMATION SYSTEM SJH  
(DATASET INVENTORY)

DATE OF ENTRY: 06/19/86

REFERENCE NUMBER: TT7208 ACCESSION NUMBER: 8600200  
FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09  
EXCHANGE (FORMAT): E018 - STD/CTD (F022)  
PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3117  
PLATFORM (COUNTRY AND PLATFORM CODES): 31HX  
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: HX64  
CRUISE START DATE: 10/26/84 CRUISE END DATE: 10/26/84 Press PgDn  
PROJECT CODE: \_\_\_\_\_ DATA USE CODE (DUC): 3 to continue

VOLUME - NUMBER OF STATIONS: 6 NUMBER OF RECORDS: 250

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREA

CODE 1: 58A MEANING: Coastal Waters of S. Alaska  
CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_  
CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:  / /

\*\*\*\*\* Record 11209 in INVENTORY \*\*\*\*\*

011676

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

SJH

DATE OF ENTRY: 06/19/86

REFERENCE NUMBER: TT7209      ACCESSION NUMBER: B600200

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape      DINDB CODE 09

EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3117

PLATFORM (COUNTRY AND PLATFORM CODES): 31HX

PLATFORM TYPE: 9 - Ship      DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: HX66

CRUISE START DATE: 03/21/85      CRUISE END DATE: 03/21/85      Press PgDn

PROJECT CODE: \_\_\_\_\_      DATA USE CODE (DUC): 3      to continue

VOLUME - NUMBER OF STATIONS: 6      NUMBER OF RECORDS: 265

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_      UNITS: \_\_\_\_\_

-----  
OCEAN AREA

CODE 1: 58A      MEANING: Coastal Waters of S. Alaska

CODE 2: \_\_\_\_\_      MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_      MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:  / /

\*\*\*\*\* Record 11211 in INVENTORY \*\*\*\*\*

011678 DATA ENTRY INFORMATION SYSTEM SJH  
(DATASET INVENTORY)

DATE OF ENTRY: 06/19/86

REFERENCE NUMBER: TT7210 ACCESSION NUMBER: 8600200  
FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09  
EXCHANGE (FORMAT): E018 - STD/CTD (F022)  
PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3117  
PLATFORM (COUNTRY AND PLATFORM CODES): 31HX  
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: HX77  
CRUISE START DATE: 10/17/85 CRUISE END DATE: 10/17/85 Press PgDn  
PROJECT CODE: \_\_\_\_\_ DATA USE CODE (DUC): 3 to continue

VOLUME - NUMBER OF STATIONS: 5 NUMBER OF RECORDS: 247

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREA

CODE 1: 58A MEANING: Coastal Waters of S. Alaska  
CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_  
CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_  
-----

DINDB TRACK TRANSACTION GENERATED:  / /

\*\*\*\*\* Record 11213 in INVENTORY \*\*\*\*\*

011680

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

SJH

DATE OF ENTRY: 06/19/86

REFERENCE NUMBER: TT7211      ACCESSION NUMBER: B600200

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape      DINDB CODE 09

EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3117

PLATFORM (COUNTRY AND PLATFORM CODES): 31HX

PLATFORM TYPE: 9 - Ship      DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: HX79

CRUISE START DATE: 03/10/86      CRUISE END DATE: 03/17/86      Press PgDn

PROJECT CODE: \_\_\_\_\_      DATA USE CODE (DUC): 3      to continue

VOLUME - NUMBER OF STATIONS: \_\_\_\_\_ 48      NUMBER OF RECORDS: 1,712

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_      UNITS: \_\_\_\_\_

OCEAN AREA

CODE 1: 58A      MEANING: Coastal Waters of S. Alaska

CODE 2: \_\_\_\_\_      MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_      MEANING: \_\_\_\_\_

DINDB TRACK TRANSACTION GENERATED:   /  /

DEAR MR. CRANE

HERE ARE ~~THE~~ STD DATA  
FOR 4 CRUISES:

HX64

HX66

HX77

HX79.

Rec'd 6/13/86  
Sid Helminger

PLEASE FORWARD THE DATA  
TAPE TO NODC CENTER  
IN WASHINGTON, D.C.

6/10/86

Tom

Please accept this tape as  
a data submission from the  
OPDIN-Alaska office. Thanks  
M

CHIRK CHU

5/22/86

NAME <b>HALMINSKI</b>	PHONE # <b>634 - 7441</b>	ORG/TASK #	DATE SUBMITTED <b>6/23/86</b>	DATE DUE	BIN # <b>33</b>
--------------------------	------------------------------	------------	----------------------------------	----------	--------------------

PERMITS TO BE USED AND FUNCTION TO BE PERFORMED

**F022/022** COPY SL. SCAN OUTPUT TWICE,  
PRINT 2 PAGES OF RECORDS

**ALASKA - 110**

INPUT MEDIUM PER CARD DISK <b>TAPE</b> KETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT <b>TAPE</b> PLOT DISKETTE OTHER(SPECIFY)
---	--

**DISKETTE INFORMATION**

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
<b>HKN0DC</b>		<b>9</b>	<b>1600</b>		<b>NL</b>	<b>FB</b>	<b>120</b>	<b>4800</b>	<b>4</b>
SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> 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
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
<b>W07259</b>		<b>9</b>	<b>1600</b>		<b>SL</b>	<b>FB</b>	<b>120</b>	<b>4800</b>	
SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME <b>DN0DC 8699296-91</b>				PURGE DATE

ADDITIONAL INSTRUCTIONS <b>NEED W TAPE</b>	ESTIMATED EXECUTION TIME
---	--------------------------------

USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>762401</b>	<b>06/27/86</b>	<b>09:45</b>	<b>09:52</b>		<b>Completed by Andy</b>

EVENTS

NAME <b>HALMINSKI</b>	PHONE # <b>634 - 7441</b>	ORG/TASK #	DATE SUBMITTED <b>6/13/86</b>	DATE DUE	BIN # <b>33</b>
--------------------------	------------------------------	------------	----------------------------------	----------	--------------------

PRINT TO BE USED AND FUNCTION TO BE PERFORMED

**F022 SCAN, PRINT 2 PAGES OF RECORDS**

**ALASKA-110**

I MEDIUM PER CARD DISK <b>(TAPE)</b> KETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <b>(PRINT)</b> TAPE PLOT DISKETTE OTHER(SPECIFY)
---	--

**DISKETTE INFORMATION**

TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
<b>HXNODC</b>		<b>9</b>	<b>1600</b>		<b>NL</b>	<b>FB</b>	<b>126</b>	<b>4800</b>		
SECTOR SIZE	EXCHANGE TYPE	CODE: <b>(ASCII)</b> 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
TAPE #/ <del>DISKETTE</del>	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

IAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
------------------	--------------------------------

**USE ONLY**

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>x61602</b>	<b>6/17/86</b>	<b>10:55</b>	<b>11:00</b>	<b>C</b>	<b>Completed by Andy</b>

ERT



Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8600200	C022	319651	9999	31I7	31HX	1984/10/26	TT7208	164555
8600200	C022	319652	9999	31I7	31HX	1985/03/21	TT7209	164556
8600200	C022	319653	9999	31I7	31HX	1985/10/17	TT7210	164557
8600200	C022	319654	9999	31I7	31HX	1986/03/10	TT7211	164558
8600200	F022	TT7208	9999	31I7	31HX	1984/10/26	HX64	164559
8600200	F022	TT7209	9999	31I7	31HX	1985/03/21	HX66	164560
8600200	F022	TT7210	9999	31I7	31HX	1985/10/17	HX77	164561
8600200	F022	TT7211	9999	31I7	31HX	1986/03/10	HX79	164562

(8 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8600200	C022	319651	31HX	6	6	84/10/26	84/10/26
8600200	C022	319652	31HX	6	6	85/03/21	85/03/21
8600200	C022	319653	31HX	5	5	85/10/17	85/10/17
8600200	C022	319654	31HX	48	48	86/03/10	86/03/18
8600200	F022	TT7208	31HX	6	250	84/10/26	84/10/26
8600200	F022	TT7209	31HX	6	265	85/03/21	85/03/21
8600200	F022	TT7210	31HX	5	247	85/10/17	85/10/17
8600200	F022	TT7211	31HX	48	1712	86/03/10	86/03/18

(8 rows affected)