DATA DOCUMENTATION FORM

Form TV1085
(Corr 319769)

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.

RECEIVED APR 14 1988

0095

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

STUDENT CRUISE

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

HX109

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
R/V ALPHA HELIX	SHIP	USA	USA	03/04/88	03/05/88

8. ARE DATA PROPRIETARY?

[X] 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 [X] 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

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

GENERAL AREA

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 °/₀₀	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

C. DATA FORMAT

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

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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 <u>Data Manager   (907) 474-7836</u>
ADDRESS <u>University of Alaska, Institute of Marine Science, Fairbanks, Alaska 99701.</u>

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____
☐ BCD ☐ BINARY ☒ ASCII ☐ EBCDIC ☐ _____	**10. END OF FILE MARK** ☐ OCTAL 17 ☒ Octal 32
6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____	**11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)** 022 IMS ALPHA HELIX CRUISE HX109 03-04-88 TO 03-05-88 DR. KELLEY AIALIK BAY STATIONS: 1-6 9TRK, 1600BPI, ASCII, NOLAB, ODD
7. PARITY ☒ ODD ☐ EVEN	
8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____	**12. PHYSICAL BLOCK LENGTH IN BYTES** 80 -120 bytes/block **13. LENGTH OF BYTES IN BITS** 8 bits/byte

NOAA FORM 24-13

RECORD NAME   STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g. bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS	—	
FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE					

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 CALIBRATED
		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 IIIB CTD/O Microprofiler	01/88		NRCC	✓					

NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.

022 HX109   184 RECORDS   6 STATIONS DATES 880304 THRU 880305
TOTAL RECORDS=   184
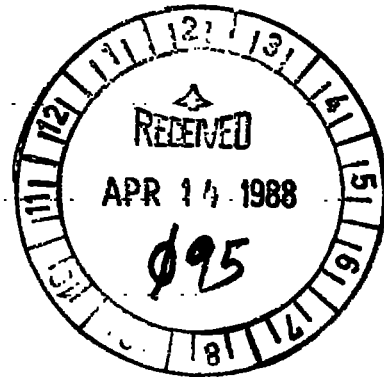
TO: E/OC12 - C. Noe ←

        E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: May 18, 1988

SUBJECT: Data Transfer

8800101

The following listed data sets have been transferred as indicated:

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ARCHIVE AND INVENTORIES BRANCH   (E/OC11)

        ──────── Level II ────────

    C/STD   (F022/C022)

    Acc: 8800064 Ref: TV1043 - 51   206 sta.   2,271 records
                        319756 - 64

            Univ. of Alaska   ALPHA HELIX   OCSEAP

    Acc: 8800043 Ref: TV1052 - 3   131 sta.   27,767 records
                        319765 - 66

            Univ. of Alaska   ALPHA HELIX   OCSEAP

    Acc: 8800101 Ref: TV1085   6 sta.   184 records ✓

            Univ. of Alaska   ALPHA HELIX

    cc: Division Director

		FILETYPE		TRACK NO.			PROJECT IDENTIFICATION	

SION NO. **8800101**

FILETYPE **F022 TY1085 (C022 319769)**

PROJECT IDENTIFICATION **UNIV AK, IMS**

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
. TAPE	04/26/88	CMH	A00710	1	120	1200	184
:ICATE TAPE	05/06/88	CMH	W03412 *	1	120	1200	
:MATTED TAPE							
:MATTED DISK							
:: MULCHEK							
:: MULCHEK							
:: OR F022							
:ET FINALIZED							

:S REPORTED TO PRINCIPAL INVESTIGA.. **＊DNODC＊8800101-01**
Tape is 9TRK, SL, 1600bpi

:TIONAL ERRORS/CORRECTIONS (NOT REP...

:ENTS (TRACKS DELETED, FIELDS DEL...

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DATE OF ENTRY: 05/09/88

          REFERENCE NUMBER: TV1085   ACCESSION NUMBER: 8800101
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): 31I7
          PLATFORM (COUNTRY AND PLATFORM CODES):   31HX
          PLATFORM TYPE: 9 - Ship   DINDB CODE 09

          ORIGINATORS FILE ID: HX109   ORIGINATORS CRUISE ID: HX109
          CRUISE START DATE: 03/04/88   CRUISE END DATE: 03/05/88   Press PgDn
          PROJECT CODE: DATA USE CODE (DUC): 3   to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY   3:07:29p

     VOLUME - NUMBER OF STATIONS: 6   NUMBER OF RECORDS: 184

          If STA/REC counts are not appropriate then enter -

          NUMBER: UNITS:

          AVERAGE REC SIZE: 120   MBYTES: 0.022080

OCEAN AREA
          CODE 1: 58A   MEANING: Coastal Waters of S. Alaska
          CODE 2:   MEANING:
          CODE 3:   MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: NODC
1825 Connecticut Ave.
Washington DC 20235

REFER TO
HX109

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 tape of FT022 data from IMS - HX109.
Six Stations.

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APR 14 1988
095

8800101
R00710

FORWARDED BY (Signature)	TITLE	DATE FORWARDED
	AK Liaison Officer	4/12/88
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

... to be used and function to be returned ...

Bin
09

Copy to a 'W' Tape (only 1 file on tape)
- "Please scan 'W' tape

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

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
A00710		9	1600	ODD	NL	FB	120	1200	1

SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE

INPUT

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 TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
W03412		9	1600	ODD	SL	FB	120	1200	1

SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME DNODC*8800101-01				PURGE DATE

OUTPUT

SPECIAL INSTRUCTIONS

Please send 'W' tape to
Asheville, N.C.

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
880506 01	05/06/88	10:00	10:05	C	COMPLETED BY J.S.

COMMENTS

JOB TO BE USED AND FUNCTION TO BE PERFORMED

Please Scan Tape

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

TAPE/DISKETTE INFORMATION

(TAPE #/ DISKETTE)	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
A00710		9	1600						

SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE

INPUT

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 TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES

OUTPUT

SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS

Please return tape A00710
to Bin 09.

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 KEYVERIFIED
80426006	042688	1435	1440	C	COMPLETED by PL

COMMENTS

9 TRK, 1600, ascii, NL, odd, RLecl=120 Blocksize=1200

```
Password:
 accNo     fleA refNo   proj inst ship     startDate  cruise   catId
 -------   ---- ------  ---- ---- -------  ---------- -------- ----------
 8800101 C022 319769 9999 31I7 31HX      1988/03/04 TV1085      178172
 8800101 F022 TV1085 9999 31I7 31HX      1988/03/04 HX109       178173

(2 rows affected)
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```
Password:
  accNo    fleA refNo  ship staCnt recCnt startDate  endDate
  -------- ---- ------ ---- ------ ------ ---------- ----------
  8800101 C022 319769 31HX 6      6      88/03/04   88/03/05
  8800101 F022 TV1085 31HX 6      184    88/03/04   88/03/05

(2 rows affected)
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