

Cruise # 319141 ~~DATA~~

ACCESSION NUMBER 78-0309
3/24/78

DDF-8:1:24

DATA DOCUMENTATION FORM

TR2972

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-R265

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED DATA MANAGEMENT INSTITUTE OF MARINE SCIENCE UNIVERSITY OF ALASKA FAIRBANKS, ALASKA 99701			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT SU005 <i>FILE ID SU 005 IMS</i>	
4. PLATFORM NAME(S) SURVEYOR	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 3/22/77 04/04/77
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 checked="" 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 PROCESSING c/o Cydney Hansen (907)479-7833 (907)479-7074			

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
SALINITY.	0.001%	NANSEN BOTTLES & PLESSEY STD	SEE ATTACHED DATA PROCESSING PROCEDURE SHEETS	N/A
TEMPERATURE	°C	DSR THERMOMETERS & PLESSEY STD	SEE ATTACHED DATA PROCESSING PROCEDURE SHEETS	N/A
DEPTH.	METERS (1M = 1db)	THERMOMETRIC DEPTH & PLESSEY STD	SEE ATTACHED DATA PROCESSING PROCEDURE SHEETS	N/A

IMS STD/CID 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 TISH contains a conductivity sensor, it is converted to salinity by a relation based on the work of A. S. Bennett. (JSE, 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 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.

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

<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 Cydney Hansen, (907) 479-7836

ADDRESS Institute of Marine Science, University of Alaska, Fairbanks, AK99701

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE.

<p>5. RECORDING MODE</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> BCD</td> <td><input type="checkbox"/> BINARY</td> </tr> <tr> <td><input type="checkbox"/> ASCII</td> <td><input checked="" type="checkbox"/> EBCDIC</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY	<input type="checkbox"/> ASCII	<input checked="" type="checkbox"/> EBCDIC	<input type="checkbox"/> _____		<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 3/4 INCH</td> </tr> <tr> <td><input checked="" type="checkbox"/> .5 - .6 inch</td> </tr> </table>	<input type="checkbox"/> 3/4 INCH	<input checked="" type="checkbox"/> .5 - .6 inch
<input type="checkbox"/> BCD	<input type="checkbox"/> BINARY								
<input type="checkbox"/> ASCII	<input checked="" type="checkbox"/> EBCDIC								
<input type="checkbox"/> _____									
<input type="checkbox"/> 3/4 INCH									
<input checked="" type="checkbox"/> .5 - .6 inch									
<p>6. NUMBER OF TRACKS (CHANNELS)</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>	<input type="checkbox"/> SEVEN	<input checked="" type="checkbox"/> NINE	<input type="checkbox"/> _____	<p>10. END OF FILE MARK</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>	<input type="checkbox"/> OCTAL 17	<input checked="" type="checkbox"/> octal 23			
<input type="checkbox"/> SEVEN									
<input checked="" type="checkbox"/> NINE									
<input type="checkbox"/> _____									
<input type="checkbox"/> OCTAL 17									
<input checked="" type="checkbox"/> octal 23									
<p>7. PARITY</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>	<input checked="" type="checkbox"/> ODD	<input type="checkbox"/> EVEN	<p>11. PASTE-OR-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="margin-left: 20px;">427 022 005IMS Surveyer 005 3/22/77-4/04/77 Dr. Alexander 9TRK,800BPI,EBCDIC,NO LABEL, ODD</p>						
<input checked="" type="checkbox"/> ODD									
<input type="checkbox"/> EVEN									
<p>8. DENSITY</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 200 DPI</td> <td><input type="checkbox"/> 1600 DPI</td> </tr> <tr> <td><input type="checkbox"/> 556 DPI</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> 800 DPI</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> 200 DPI	<input type="checkbox"/> 1600 DPI	<input type="checkbox"/> 556 DPI		<input checked="" type="checkbox"/> 800 DPI		<input type="checkbox"/> _____		<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="margin-left: 20px;">120 bytes/block</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="margin-left: 20px;">8 bit bytes</p>
<input type="checkbox"/> 200 DPI	<input type="checkbox"/> 1600 DPI								
<input type="checkbox"/> 556 DPI									
<input checked="" type="checkbox"/> 800 DPI									
<input type="checkbox"/> _____									

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

ATTRIBUTES AS EXPRESSED IN

- PL-1
- ALGOL
- COBOL
- FORTRAN
- _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D 752-NOAA/FDS/NODC--202 6347505
 ADDRESS WASHINGTON, DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><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 type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">(1,5L)</p> <p style="text-align: center;">DSN=TR2972</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 style="text-align: center;">4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">120</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 CCSEP AND NOIC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE.					

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 (✓)	
MODEL 9040-2 PLESSEY STD	7/76		NRCC	1 YR.					



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE
Washington, D.C. 20235
National Oceanographic Data Center

Date :
To : D781
From : D752 472 //
Subject : Error Correction in Processing of
Data Set - Accession # 78-0309

- 1) File Type: 022
- 2) Project Ident.: _____
- 3) Track Nos.: TR2972

I. Error corrections as reported to Principal Investigator:

ILLEGAL LATITUDE (55--40N)

II. Additional error corrections:

RECORD TYPE 2 - BLANK MINUTES (LAT OR LONG)
with Hundredths of minutes recorded
Solution: ADDED (00) to minutes
field

III. Processor name: Group

