

DATA DOCUMENTATION FORM

NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20862

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.

617449
NORPAX1

017489
NORPAX2

Cruise 181-190

9tk 1600bpi

3200

EBCDIC

Cruises 191-195

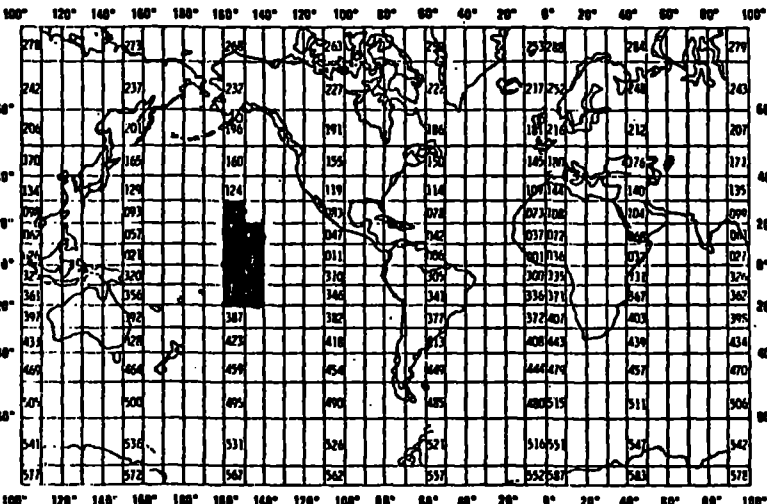
9tk 1600bpi

3200

EBCDIC

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 Physical and Chemical Oceanographic Data Facility (PACODF) Scripps Institution of Oceanography University of California, San Diego S-001 La Jolla, California 92093 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED IDOE - NORPAX HAWAII-TAHITI SHUTTLE EXPERIMENT CTD data | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 181 through 195 (Legs 1 through 15) | |
| 4. PLATFORM NAME(S) R/V GYRE (Legs 1-5) R/V WECOMA (Legs 6-15) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Research Ships | 6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR USA USA | 7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 2/4/79 6/14/80 |
| 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) Robert T. Williams (714) 452-4420 | | | |

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

| 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 | ‰ | Nansen bottles | Inductive salinometer (Hytech model S510) | N/A (Not applicable) |
| | | STD Bissett-Berman Model 9006 | N/A | Values averaged over 5-meter intervals |
| Water color | Forel scale | Visual comparison with Forel bottles | N/A | N/A |
| Sediment size | ϕ units and percent by weight | Ewing corer | Standard sieves. Carbonate fraction removed by acid treatment | Same as "Sedimentary Rock Manual," Folk '65 |

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

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 |
|--------------------|-------------------------|--|--|---|
| Pressure | Decibars | Neil Brown CTD | N/A | N/A |
| Temperature | Degrees Celsius | Neil Brown CTD | N/A | Values averaged over 2.5-decibar blocks |
| Salinity | ‰ | Neil Brown CTD | N/A | Values averaged over 2.5-decibar blocks |

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

HEADER RECORD, identified by record type=1 in last field of record
DATA RECORD, identified by record type=3 in last field of record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Logical record length is 80 bytes
Physical record length is 40 logical records.

No tape label.

For each station: one header record, followed by a data record for each pressure level. EOF between each station, double EOF at end of tape.

ATTRIBUTES AS EXPRESSED IN

☐ PL-1

☐ ALGOL

☐ COBOL

☒ FORTRAN

☐

LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

ADDRESS

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--|---|
| 5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ | 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> .6 inch |
| 6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ | 10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> octal 23 |
| 7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) PACODE CTD Data Hawaii-Tahiti Shuttle Experiment Tape 1: Ref. Crs. #181-190 Tape 2: Ref. Crs. #191-195 |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____ | 12. PHYSICAL BLOCK LENGTH IN BYTES 3200 13. LENGTH OF BYTES IN BITS 8 |

RECORD FORMAT DESCRIPTION

RECORD NAME HEADER RECORD

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|------------------------|---|------------|-------|----------------|---|
| | | NUMBER | UNITS | | |
| Cruise Name | 1 | 20 | bytes | A20 | |
| Ship Name | 21 | 20 | bytes | A20 | |
| PACODF Reference | 41 | 4 | bytes | I4 | PACODF reference cruise number |
| Station Number | 45 | 4 | bytes | I4 | |
| Cast Number | 49 | 2 | bytes | I2 | |
| Up/Down Indicator | 51 | 1 | byte | I1 | 1=up, 2=down (indicates whether data collected on up or down part of trace) |
| Number of Data Records | 52 | 4 | bytes | I4 | Total number of logical data records for this station file |
| Decimal Latitude | 56 | 9 | bytes | F9.3 | North='+', South='-' (in degrees to thousandths) |
| Decimal Longitude | 65 | 9 | bytes | F9.3 | East='+', West='-' (in degrees to thousandths) |
| Month | 74 | 2 | bytes | I2 | Date the data was collected minus 1900 |
| Day | 76 | 2 | bytes | I2 | |
| Year | 78 | 2 | bytes | I2 | |
| Record Type Indicator | 80 | 1 | byte | I1 | Record type for header=1 |

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD

| 14. FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------------|---|------------|-------|----------------|------------------------|
| | | NUMBER | UNITS | | |
| Pressure | 1 | 8 | bytes | F8.1 | in decibars |
| Temperature | 9 | 8 | bytes | F8.3 | in degrees Celsius |
| Salinity | 17 | 8 | bytes | F8.3 (T80) | in ‰ (tab 80) |
| Record Type Indicator | 80 | 1 | byte | I1 | Record type for data=3 |

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 CTD | | X | | Instrument is calibrated by comparison with data from Niskin bottle samples taken on each cast. | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

DATE: ~~11/11/11~~

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 82-00065

- 1) File Type: C139
- 2) Project Ident.: IDOE/NORPAX
- 3) Track Nos.: TT3096-3099, TT3108-TT3110
329345-329350 C022
~~329352 C022~~

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error correction

Error

NONE

Correction Completed (Check)

III. Processor Name:

Charles B. Selkirk

| TYPE OF TAPE | TAPE NUMBER | TAB1 | TRIG1 | BUK SIZE | PLCEH | REMARKS | # RECORDS |
|------------------|--|------|-------|----------|-------|---------|-------------------------|
| REPRODUCATOR | NORPAX1 | NL | 80 | 3200 | | | 8049 |
| | NORPAX2 | NL | 80 | 3200 | | | 3928 |
| DUPLICATE | 017449 | NL | 80 | 3200 | | | 8049 |
| | 017489 | NL | 80 | 3200 | | | 3928 |
| REFORMATTED | Ashville Tape DW12352 12351 | | | | | | |
| FIRST USER | | | | | | | |
| | CHUCK 11. CHUCK 12. | SL | 80 | | | | |
| DISK FILE | DSII | | | | | REMARKS | # RECORDS |
| WORK DISK FILE | SEL DATA. F022 TT3096 F022 TT3097 F022 TT3108 | SL | 80 | | | | 28619 32352 29521 |
| EDITED DISK FILE | F022. TT3096/F022 TT3097/F022 TT3108/F022 | SL | 80 | | | | 28619 32352 29521 |

90,492

| Step | Completion Date/Init. | Tape or Disk | # of Files | Block Size | Block | # Records |
|----------------------------------|-----------------------|---|---------------|------------|-------|---------------------------|
| ORIGINATOR TAPE # <i>NORPAW1</i> | | 017449 | 10 | 3200 | 80 | 8049 |
| <i>NORPAW2</i> | | 017489 | 5 | 3200 | 80 | 3928 |
| QUAD/SCAN TAPE # | | | | | | |
| ASSIGNED FOR PROCESS | | | | | | |
| DOF EVALUATION | | | | | | |
| QUALITY REVIEW | | | | | | |
| PRELIMINARY DATA SORT | | | | | 80 | |
| PRELIMINARY CHECK | 1/28/85 | <i>CBT</i> (CHUCK 11a) SEL DATA FO22 TT 3096 TT3097 TT3108 | 1 | | 80 | 28619 32352 29521 |
| FIRST USER TAPE # | | | | | | |
| WORK DISK FILE | 1/28/85 | <i>CBT</i> " | | | | |
| FINAL USER TAPE # | | | | | | |
| FINAL CHECK | | | | | | |
| UNITED DISK FILE | 1/31/85 | <i>CBT</i> FO22 TT3096 TT3097 TT3098 TT3108 | | | 80 | (28619 32352 29521) |
| DATA SET "FINALIZED" | 2/1/85 | <i>CBT</i> | | | 80 | |

/FO22

Password:

| accNo | fleA | refNo | proj | inst | ship | startDate | cruise | catId |
|---------|------|--------|------|------|------|------------|---------|--------|
| 8200065 | F022 | TT3096 | 0078 | 3101 | 32GY | 1979/02/07 | 181-185 | 317125 |
| 8200065 | C022 | 329345 | 0078 | 3101 | 32GY | 1979/02/07 | TT3096 | 317126 |
| 8200065 | C022 | 329350 | 0078 | 3101 | 32WC | 1980/02/15 | TT3109 | 317134 |
| 8200065 | F022 | TT3110 | 0078 | 3101 | 32WC | 1980/04/21 | 194-195 | 317135 |
| 8200065 | C022 | 329351 | 0078 | 3101 | 32WC | 1980/04/21 | TT3110 | 317136 |
| 8200065 | C022 | 329348 | 0078 | 3101 | 32WC | 1979/12/08 | TT3099 | 317137 |
| 8200065 | C022 | 329349 | 0078 | 3101 | 32WC | 1980/01/08 | TT3108 | 317138 |
| 8200065 | F022 | TT3097 | 0078 | 3101 | 32WC | 1979/07/20 | 186-187 | 317127 |
| 8200065 | C022 | 329346 | 0078 | 3101 | 32WC | 1979/07/20 | TT3097 | 317128 |
| 8200065 | F022 | TT3098 | 0078 | 3101 | 32WC | 1979/09/29 | 188-189 | 317129 |
| 8200065 | C022 | 329347 | 0078 | 3101 | 32WC | 1979/09/29 | TT3098 | 317130 |
| 8200065 | F022 | TT3099 | 0078 | 3101 | 32WC | 1979/12/08 | 190 | 317131 |
| 8200065 | F022 | TT3108 | 0078 | 3101 | 32WC | 1980/01/08 | 191 | 317132 |
| 8200065 | F022 | TT3109 | 0078 | 3101 | 32WC | 1980/02/15 | 192-193 | 317133 |

(14 rows affected)

Password:

| accNo | fleA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---------|-------|--------|-------|--------|--------|-----------|----------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 8200065 | F022 | TT3096 | 32GY | 342 | 28619 | 79/02/07 | 79/07/14 |
| 8200065 | C022 | 329345 | 32GY | 342 | 684 | 79/02/07 | 79/07/14 |
| 8200065 | C022 | 329350 | 32WC | 157 | 314 | 80/02/15 | 80/04/10 |
| 8200065 | F022 | TT3110 | 32WC | 123 | 10074 | 80/04/21 | 80/06/14 |
| 8200065 | C022 | 329351 | 32WC | 123 | 246 | 80/04/21 | 80/06/14 |
| 8200065 | C022 | 329348 | 32WC | 79 | 158 | 79/12/08 | 80/01/03 |
| 8200065 | C022 | 329349 | 32WC | 78 | 156 | 80/01/08 | 80/02/03 |
| 8200065 | F022 | TT3097 | 32WC | 157 | 13089 | 79/07/20 | 79/09/11 |
| 8200065 | C022 | 329346 | 32WC | 157 | 314 | 79/07/20 | 79/09/11 |
| 8200065 | F022 | TT3098 | 32WC | 154 | 12719 | 79/09/29 | 79/11/24 |
| 8200065 | C022 | 329347 | 32WC | 154 | 307 | 79/09/29 | 79/11/24 |
| 8200065 | F022 | TT3099 | 32WC | 79 | 6544 | 79/12/08 | 80/01/03 |
| 8200065 | F022 | TT3108 | 32WC | 78 | 6433 | 80/01/08 | 80/02/03 |
| 8200065 | F022 | TT3109 | 32WC | 157 | 13014 | 80/02/15 | 80/04/10 |

(14 rows affected)