

SEP 27 1976

DDF-B:1:23

## DATA DOCUMENTATION FORM

TR-0268

NOAA FORM 24-13  
14-721U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 61-R2051

NEGOA

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.

319046

## 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   |   |  |  |
| Knut Aagaard<br>Department of Oceanography, University of Washington<br>Seattle, Washington 98195  |   |  |  |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  |   | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT   |  |
| OCSEAP - R.U. 151  |   | W 00022<br><br>UOL SER-9469  |  |
| 4. PLATFORM NAME(S)  | 5. PLATFORM TYPE(S)<br>(E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES)  | 7. DATES   |
| Bell 205<br>2215W  | Helicopter                                      | U.S. U.S.  | FROM: MO, DAY, YR TO: MO, DAY, YR<br>2/20/76 2/29/76 |
| 8. ARE DATA PROPRIETARY?<br><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES<br>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.<br><br>Beaufort Sea<br>GENERAL AREA |  |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)?<br>I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?<br><input checked="" type="checkbox"/> NO <input 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)<br>R.B. Tripp<br>Department of Oceanography<br>University of Washington<br>Seattle, Washington 98195<br>(206) 543-5334            |   |  |  |

### 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<br>(MFR., MODEL NO.)  | DATE OF LAST<br>CALIBRATION | INSTRUMENT WAS CALIBRATED BY |                                      |  | CHECK ONE:<br>INSTRUMENT IS CALIBRATED |                                  |                                   |                                |                            | INSTRUMENT<br>IS<br>NOT<br>CALI-<br>BRATED<br>(✓) |  |
|---|-----------------------------|------------------------------|--------------------------------------|--|--|----------------------------------|-----------------------------------|--------------------------------|----------------------------|---|--|
|   |                             | YOUR<br>ORGANIZATION<br>(✓)  | OTHER<br>ORGANIZATION<br>(GIVE NAME) |  | AT FIXED<br>INTERVALS<br>(✓)           | BEFORE<br>OR<br>AFTER USE<br>(✓) | BEFORE<br>AND<br>AFTER USE<br>(✓) | ONLY<br>AFTER<br>REPAIR<br>(✓) | ONLY<br>WHEN<br>NEW<br>(✓) |   |  |
| Plessey 9400 CTD  |                             |                              |                                      |  |  |                                  |                                   |                                |                            |   |  |
| Conductivity - 6500<br>SN 614   | 7 May 1976                  |                              | Plessey                              |  | ✓<br>NRCC                              |                                  |                                   | ✓<br>Plessey                   |                            |   |  |
| Temperature - 4500<br>SN 712  | 9 Sept. 1976                |                              | Plessey                              |  | ✓<br>NRCC                              |                                  |                                   | ✓<br>Plessey                   |                            |   |  |
| Depth - 4600<br>SN 813  | 9 Sept. 1976                |                              | Plessey                              |  | ✓<br>NRCC                              |                                  |                                   | ✓<br>Plessey                   |                            |   |  |
| In addition we calibrate each cast in the field, using Nansen bottle and reversing thermometers |                             |                              |                                      |  |  |                                  |                                   |                                |                            |   |  |

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER P. TOPOLY 634-7505  
 ADDRESS D.S.F + I BRANCH

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

|   |  |
|---|--|
| <p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD      <input type="checkbox"/> BINARY<br/> <input type="checkbox"/> ASCII      <input checked="" type="checkbox"/> EBCDIC<br/> <input type="checkbox"/> _____</p>   | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH<br/> <input type="checkbox"/> _____</p>   |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN<br/> <input checked="" type="checkbox"/> NINE<br/> <input type="checkbox"/> _____</p>   | <p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17<br/> <input type="checkbox"/> _____</p>   |
| <p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD<br/> <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><b>VOL:SER: <math>\phi\phi</math> 2892</b><br/> <b>LABEL: (1,NL)</b><br/> <b>WRECL = 120 , BLKSIZE = 4800</b></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI      <input checked="" type="checkbox"/> 1600 BPI<br/> <input type="checkbox"/> 556 BPI<br/> <input type="checkbox"/> 800 BPI<br/> <input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES<br/> <b>4800</b></p> <p>13. LENGTH OF BYTES IN BITS</p>  |

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

Two record types, master record (2), and detail record (3) differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

One file containing 24 stations. Each station has the required master record followed by detail records.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Patricia Morrison  
ADDRESS Dept. of Oceanography, University of Washington, Seattle, WA 98195

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

|  |  |
|--|--|
| <p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input 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</p> <p><input type="checkbox"/> _____</p>   |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>  | <p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>  |
| <p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" 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><b>VOL:SER: 009469</b></p> <p><b>LABEL: (1,NL)</b></p> <p><b>LRECH = 60</b></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" 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><b>3600</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>6</b></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   |
|--------------------|-------------------------|--|--|---|
| Temperature        | °C                      | CTD - Plessey Model 9400 Sensor Model 4500                           | N/A  | Coarse gradient filter correct for sensor mismatch correct on basis of bottle calibrations Interpolate to 1-m intervals |
| Salinity           | ‰                       | CTD - Plessey Model 9400 Sensor Model 6500                           | N/A  | Coarse gradient filter correct on basis of bottle calibrations Interpolate to 1-m intervals                             |
| Depth              | m                       | CTD - Plessey Model 9400 Sensor Model 4600                           | N/A  | Average depths within 0.1 m Allow only monotonic Increase   |

022-2

#2 001545  
007508  
120/4800, F022

RNSL 000295  
5464  
(C4049)  
#1 U020118

TR (268) 530-531, 551, 578, 582, 592, 740-741, 1320-1321,  
1338, 1339, 1449-1453, 1541-1548, 1702-1704, 1720-1721,  
1846-1851, 1854, 1892, 2095, 2100-2101, 2127-2128,  
2381, 2387-2388, 2776-2777, 2931-2933

263,398

accession no: 76-1640