

DATA DOCUMENTATION FORM

-17-12

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

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<br>Dr. Stanley Hayes<br>Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)<br>3711 - 15th Avenue N.E.<br>Seattle, WA 98105 (Telephone 206-442-4598)   |  |   |  |  |  |   |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED<br>MESA DOMES Project<br><del>EBW-2</del>   |  |   | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT<br>FILE ID NS2947<br>EBW-2 CURRENT METER DATA |  |  |   |
| 4. PLATFORM NAME(S)<br>EBW-2  |  | 5. PLATFORM TYPE(S)<br>(E.G., SHIP, BUOY, ETC.)<br>Buoy |  | 6. PLATFORM AND OPERATOR NATIONALITY(IES)<br>U.S. U.S. |  | 7. DATE(S)<br>FROM: MO, DAY, YR TO: MO, DAY, YR<br>V0213 5/4/76-11/2/76<br>V0153 5/4/76-9/24/76<br>V0214 5/4/76-11/2/76 |
| 9. 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>GENERAL AREA   |  |  |   |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?<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>Dr. Stanley Hayes<br>(206) 442-4598   |  |   |  |  |  |   |

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 |
|--------------------|-------------------------|--|--|---|
| TIME/DATE          | GMT                     | CRYSTAL CLOCK  | N/A  | N/A   |
| CURRENT VELOCITY   | CM/SEC                  | AMF 0213 (4954)<br>AMF 0153 (4978m)<br>AMF 0214 (4934m)              | PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED. DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION. | REPORTED VALUES REPRESENT AVERAGES                      |
| TEMPERATURE        | DEGREES C               | THERMISTORS ON AMF METERS  | SAME AS CURRENT VELOCITY   | AVERAGE VALUES  |
|                    |                         |  |  |   |

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

DONES Program CURRENT METER FORMAT

There are three record types: (1) Data Header I (optional)  
(2) Data Header II (required)  
(3) Data Record (required)

There is no File Header record type for this format.

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 Nancy Soreide (206-543-5276)  
ADDRESS PMEL/NOAA 3711 - 15th Ave. NE, Seattle, WA 98105

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>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 <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-PARTIAL LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>EBW-2 CURRENT METER DATA<br/>TAPE FILE ID NS 2947<br/>7-TRACK, BCD, 800BPI, EVEN PARITY<br/>ORIGINATOR - DR. S. HAYES</b></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 555 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/></p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES <b>3600</b></p> <p>13. LENGTH OF BYTES IN BITS <b>"015"</b></p> <p><b>6</b></p>   |

DONES Program  
Current Meter  
Format

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

USER TAPE

[Empty box for listing record types]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER NOAA/NODC - D752 - 202-6347505  
ADDRESS WASHINGTON, DC 20235

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

|   |  |
|---|--|
| <p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY<br><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC<br><input type="checkbox"/> _____      | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH<br/> <input type="checkbox"/> _____</p>                              |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <input type="checkbox"/> SEVEN<br><input checked="" type="checkbox"/> NINE<br><input type="checkbox"/> _____  | <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17<br/> <input type="checkbox"/> _____</p>  |
| <p>7. PARITY</p> <input checked="" type="checkbox"/> ODD<br><input type="checkbox"/> EVEN   | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>10836 (1, NL)</p> |
| <p>8. DENSITY</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>12. PHYSICAL BLOCK LENGTH IN BYTES<br/> <u>4800</u></p> <p>13. LENGTH OF BYTES IN BITS<br/> <u>60</u></p>                                       |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header I (Optional)

| 14. FIELD NAME      | 15. POSITION FROM - 1 MEASURED IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|---------------------|--|------------|-------|----------------|--|
|                     |  | NUMBER     | UNITS |                |  |
| File Type           | 1  | 3          | bytes | A3             | Always "015"   |
| File Identification | 4  | 6          | "     | A6             |  |
| Record Type         | 10   | 1          | "     | I1             | Always "1"   |
| Meter Number        | 11   | 5          | "     | A5             |  |
| Text                | 16   | 38         | "     | 38A1           | Descriptive information  |
| Blank               | 54   | 1          | "     | 1X             |  |
| Sequence number     | 55   | 6          | "     | I6             | ascending numeric used for ordering data header records upon retrieval |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header II (required)

| 14. FIELD NAME              | 15. POSITION FROM - 1 MEASURED IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING   |
|-----------------------------|--|------------|-------|----------------|---|
|                             |  | NUMBER     | UNITS |                |   |
| File Type                   | 1  | 3          | bytes | A3             | Always "015"  |
| File Identification         | 4  | 6          | "     | A6             |   |
| Record Type                 | 10   | 1          | "     | I1             | Always "2"  |
| Meter number                | 11   | 5          | "     | A5             |   |
| Latitude                    |  |            |       |                |   |
| Degrees                     | 16   | 2          | "     | I2             |   |
| Minutes                     | 18   | 2          | "     | I2             |   |
| Hundredths                  | 20   | 2          | "     | I2             | Hundredths of minutes   |
| Hemisphere                  | 22   | 1          | "     | A1             | "N" or "S"  |
| Longitude                   |  |            |       |                |   |
| Degrees                     | 23   | 3          | "     | I3             |   |
| Minutes                     | 26   | 2          | "     | I2             |   |
| Hundredths                  | 28   | 2          | "     | I2             |   |
| Hemisphere                  | 30   | 1          | "     | A1             | "E" or "W"  |
| Depth to bottom             | 31   | 5          | "     | I5             | To whole meters   |
| Depth of meter              | 36   | 5          | "     | I5             | To tenths of meter  |
| Meter Usage Sequence Number | 41   | 3          | "     | I3             | Number of times meter has been deployed (by investigator)     |
| Institution code            | 44   | 2          | "     | A2             | NODC Institution Code   |
| Axis Rotation               | 46   | 3          | "     | I3             | In whole degrees clockwise from true north of positive V axis |
| Location Name               | 49   | 6          | "     | A6             | Not used by DOMES   |
| Number of data records      | 55   | 6          | "     | I6             | Number of record type "3" records                             |

DOMES Program  
Current Meter Format  
"015"  
page 3

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record (Required)

| 14. FIELD NAME                    | 15. POSITION FROM - 1 MEASURED IN bytes<br>(C.A., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|-----------------------------------|--|------------|-------|----------------|--|
|                                   |  | NUMBER     | UNITS |                |  |
| File Type                         | 1  | 3          | bytes | A3             | Always "015"   |
| File Identification               | 4  | 6          | "     | A6             |  |
| Record Type                       | 10   | 1          | "     | I1             | Always "3"   |
| Meter Number                      | 11   | 5          | "     | A5             |  |
| Time                              |  |            |       |                | <u>All times GMT</u>   |
| year                              | 16   | 2          | "     | I2             | last two digits of year  |
| month                             | 18   | 2          | "     | I2             | 01-12  |
| day                               | 20   | 2          | "     | I2             | 01-31  |
| hour                              | 22   | 2          | "     | I2             | 00-24  |
| minute                            | 24   | 2          | "     | I2             | 00-59  |
| hundredth of minutes              | 26   | 2          | "     | I2             | 00-99  |
| East-west (u) current component   | 28   | 6          | "     | I6             | cm/sec to hundredths, East +                                     |
| North-south (v) current component | 34   | 6          | "     | I6             | cm/sec to hundredths, North +                                    |
| Temperature                       | 40   | 5          | "     | I5             | Degrees Celsius to thousandths, minus sign when negative.        |
| Pressure                          | 45   | 5          | "     | I5             | Decibars to tenths   |
| Conductivity                      | 50   | 4          | "     | I4             | mmho/cm to hundredths  |
| Blank                             | 54   | 1          | "     | 1X             |  |
| Sequence Number                   | 55   | 6          | "     | I6             | Ascending numeric used for ordering data records upon retrieval. |

DOMES Program  
Current Meter Format  
"015"  
page 4

### 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><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>(✓) |   |
| THERMISTOR<br>YSI44032 ON V0213      | MARCH 76                    |                              | NWROC                                |  | ✓                                |                                   |                                |                            |   |
| " ON V0153                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| " ON V0214                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |



READING DATA FOR METE RV0213 AT DEPTH 4954.0 SCANS 1 TO 4380 = 4380 TOTAL DATA SCANS.

RECORD NO. 1

|  |                                  |      |      |     |         |
|--|----------------------------------|------|------|-----|---------|
| *****015NS29472V0213 8270 N150491 W 49444954 33F 0 | 4380***015NS29473V0213760504 6 0 | -512 | 268  | 120 | 1*****  |
| *****015NS29473V0213760504 7 0                     | 2***015NS29473V0213760504 8 0    | -607 | 314  | 118 | 3*****  |
| *****015NS29473V0213760504 9 0                     | 4***015NS29473V021376050410 0    | -439 | 223  | 117 | 5*****  |
| *****015NS29473V021376050411 0                     | 6***015NS29473V021376050412 0    | -363 | 174  | 116 | 7*****  |
| *****015NS29473V021376050413 0                     | 8***015NS29473V021376050414 0    | -429 | 35   | 116 | 9*****  |
| *****015NS29473V021376050415 0                     | 10***015NS29473V021376050416 0   | -779 | -47  | 115 | 11***** |
| *****015NS29473V021376050417 0                     | 12***015NS29473V021376050418 0   | -705 | 155  | 115 | 13***** |
| *****015NS29473V021376050419 0                     | 14***015NS29473V021376050420 0   | -571 | 449  | 115 | 15***** |
| *****015NS29473V021376050421 0                     | 16***015NS29473V021376050422 0   | -406 | 372  | 115 | 17***** |
| *****015NS29473V021376050423 0                     | 18***015NS29473V0213760505 0 0   | -390 | 294  | 115 | 19***** |
| *****015NS29473V0213760505 1 0                     | 20***015NS29473V0213760505 2 0   | -467 | 154  | 115 | 21***** |
| *****015NS29473V0213760505 3 0                     | 22***015NS29473V0213760505 4 0   | -689 | 194  | 115 | 23***** |
| *****015NS29473V0213760505 5 0                     | 24***015NS29473V0213760505 6 0   | -771 | 180  | 115 | 25***** |
| *****015NS29473V0213760505 7 0                     | 26***015NS29473V0213760505 8 0   | -626 | 416  | 115 | 27***** |
| *****015NS29473V0213760505 9 0                     | 28***015NS29473V021376050510 0   | -325 | 388  | 115 | 29***** |
| *****015NS29473V021376050511 0                     | 30***015NS29473V021376050512 0   | -399 | 248  | 115 | 31***** |
| *****015NS29473V021376050513 0                     | 32***015NS29473V021376050514 0   | -639 | 130  | 115 | 33***** |
| *****015NS29473V021376050515 0                     | 34***015NS29473V021376050516 0   | -756 | -136 | 115 | 35***** |
| *****015NS29473V021376050517 0                     | 36***015NS29473V021376050518 0   | -679 | -51  | 114 | 37***** |
| *****015NS29473V021376050519 0                     | 38***015NS29473V021376050520 0   | -574 | 241  | 114 | 39***** |
| *****015NS29473V021376050521 0                     | 40***015NS29473V021376050522 0   | -349 | 417  | 114 | 41***** |
| *****015NS29473V021376050523 0                     | 42***015NS29473V0213760506 0 0   | -251 | 231  | 114 | 43***** |
| *****015NS29473V0213760506 1 0                     | 44***015NS29473V0213760506 2 0   | -390 | 91   | 115 | 45***** |
| *****015NS29473V0213760506 3 0                     | 46***015NS29473V0213760506 4 0   | -696 | -57  | 114 | 47***** |
| *****015NS29473V0213760506 5 0                     | 48***015NS29473V0213760506 6 0   | -842 | 158  | 114 | 49***** |
| *****015NS29473V0213760506 7 0                     | 50***015NS29473V0213760506 8 0   | -748 | 248  | 114 | 51***** |
| *****015NS29473V0213760506 9 0                     | 52***015NS29473V021376050610 0   | -577 | 265  | 114 | 53***** |
| *****015NS29473V021376050611 0                     | 54***015NS29473V021376050612 0   | -590 | 246  | 115 | 55***** |
| *****015NS29473V021376050613 0                     | 56***015NS29473V021376050614 0   | -709 | 131  | 115 | 57***** |
| *****015NS29473V021376050615 0                     | 58***015NS29473V021376050616 0   | -660 | 190  | 114 | 59***** |

CP TIME SO FAR = 50.13 SECONDS

READING DATA FOR METE RV0153 AT DEPTH 4978.0 SCANS 1 TO 3432 = 3432 TOTAL DATA SCANS.

RECORD NO. 75

|  |                                  |      |     |     |        |
|--|----------------------------------|------|-----|-----|--------|
| *****015NS29472V0153 8270 N150491 W 49444978 43F 0 | 3432***015NS29473V0153760504 6 0 | -624 | 152 | 146 | 1***** |
| *****015NS29473V0153760504 7 0                     | 2***015NS29473V0153760504 8 0    | -671 | 132 | 144 | 3***** |
| *****015NS29473V0153760504 9 0                     | 4***015NS29473V015376050410 0    | -530 | 71  | 143 | 5***** |

DATA DOCUMENTATION FORM

NOAA FORM 24-13  
(3-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852

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

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| Dr. Stanley Hayes<br>Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)<br>3711 - 15th Avenue N.E.<br>Seattle, WA 98105 (Telephone 206-442-4598)   |   |  |   |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED   |   | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT                             |   |
| DOMES Project (MESA)<br><del>EBW-1</del>  |   | FILE ID NS3157<br>EBW-1 CURRENT METER DATA   |   |
| 4. PLATFORM NAME(S)   | 5. PLATFORM TYPE(S)<br>(E.G., SHIP, BUOY, ETC.) | 5. PLATFORM AND OPERATOR NATIONALITY(IES)  | 7. DATES  |
| EBW-1   | BUOY  | U.S. U.S.  | FROM: MO/DAY/YR TO: MO/DAY/YR<br>4/28/76 11/11/76 |
| 6. 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. |   |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)?<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) |   | GENERAL AREA   |   |
| 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)<br><br>Dr. Stanley Hayes<br>(206) 442-4598   |   |  |   |

**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 |
|--------------------|-------------------------|--|--|---|
| TIME/DATE          | GMT                     | CRYSTAL CLOCK  | N/A  | N/A   |
| CURRENT VELOCITY   | CM/SEC                  |  | PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED. DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION. | REPORTED VALUES REPRESENT AVERAGES                      |
| TEMPERATURE        | DEGREES, C              | THERMISTORS ON AMF METERS  | SAME AS CURRENT VELOCITY   | AVERAGE VALUES  |
|                    |                         |  |  |   |

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

DOMES Program CURRENT METER FORMAT

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(3) Data Record (required)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER NANCY SOREIDE 206-543-5276  
ADDRESS PMEL/NOAA 3711 15th AVE NE, SEATTLE, WA 98105

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><u>EBW-1 CURRENT METER DATA</u></p> <p><u>TAPE FILE ID NS3157</u></p> <p><u>7-TRACK, BCD, EVEN PARITY, 800BPI</u></p> <p><u>ORIGINATOR - DR. S. HAYES</u></p> <p style="text-align: right;">DOMES Program</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u></p> <p style="text-align: right;">Current Meter Format</p> <p>13. LENGTH OF BYTES IN BITS <u>"015"</u></p> <p style="text-align: center;"><u>6</u></p> <p style="text-align: right;">Page 1</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

*USER TAPE*

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER NOAA/NODC - DT52 - 219-6347505  
ADDRESS 1145A WILMINGTON, D.C. 20375

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><i>10836 (1, NL)</i></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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>60</i></p>  |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header I (Optional)

| 14. FIELD NAME      | 15. POSITION FROM - 1 MEASURED IN bytes<br><small>(e.g., bits, bytes)</small> | 15. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|---------------------|---|------------|-------|----------------|--|
|                     |   | NUMBER     | UNITS |                |  |
| File Type           | 1   | 3          | bytes | A3             | Always "015"   |
| File Identification | 4   | 6          | "     | A6             |  |
| Record Type         | 10  | 1          | "     | I1             | Always "1"   |
| Meter Number        | 11  | 5          | "     | A5             |  |
| Text                | 16  | 38         | "     | 38A1           | Descriptive information  |
| Blank               | 54  | 1          | "     | 1X             |  |
| Sequence number     | 55  | 6          | "     | I6             | ascending numeric used for ordering data header records upon retrieval |

DOMES Program  
Current Meter  
"015"

page 2

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header II (required)

| 14. FIELD NAME              | 15. POSITION FROM - 1 MEASURED IN bytes<br><small>(e.g., bits, bytes)</small> | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING   |
|-----------------------------|---|------------|-------|----------------|---|
|                             |   | NUMBER     | UNITS |                |   |
| File Type                   | 1   | 3          | bytes | A3             | Always "015"  |
| File Identification         | 4   | 6          | "     | A6             |   |
| Record Type                 | 10  | 1          | "     | I1             | Always "2"  |
| Meter number                | 11  | 5          | "     | A5             |   |
| Latitude                    |   |            |       |                |   |
| Degrees                     | 16  | 2          | "     | I2             |   |
| Minutes                     | 18  | 2          | "     | I2             |   |
| Hundredths                  | 20  | 2          | "     | I2             | Hundredths of minutes   |
| Hemisphere                  | 22  | 1          | "     | A1             | "N" or "S"  |
| Longitude                   |   |            |       |                |   |
| Degrees                     | 23  | 3          | "     | I3             |   |
| Minutes                     | 26  | 2          | "     | I2             |   |
| Hundredths                  | 28  | 2          | "     | I2             |   |
| Hemisphere                  | 30  | 1          | "     | A1             | "E" or "W"  |
| Depth to bottom             | 31  | 5          | "     | I5             | To whole meters   |
| Depth of meter              | 36  | 5          | "     | I5             | To tenths of meter  |
| Meter Usage Sequence Number | 41  | 3          | "     | I3             | Number of times meter has been deployed (by investigator)     |
| Institution code            | 44  | 2          | "     | A2             | NODC Institution Code   |
| Axis Rotation               | 46  | 3          | "     | I3             | In whole degrees clockwise from true north of positive V axis |
| Location Name               | 49  | 6          | "     | A6             | Not used by DOMES   |
| Number of data records      | 55  | 6          | "     | I6             | Number of record type "3" records                             |

DOMES Program  
Current Meter Format  
"015"  
page 3

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record (Required)

| 14. FIELD NAME                    | 15. POSITION FROM - 1 MEASURED IN bytes<br>(0-99, bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|-----------------------------------|--|------------|-------|----------------|--|
|                                   |  | NUMBER     | UNITS |                |  |
| File Type                         | 1  | 3          | bytes | A3             | Always "015"   |
| File Identification               | 4  | 6          | "     | A6             |  |
| Record Type                       | 10   | 1          | "     | I1             | Always "3"   |
| Meter Number                      | 11   | 5          | "     | A5             |  |
| Time                              |  |            |       |                | All times GMT  |
| year                              | 16   | 2          | "     | I2             | Last two digits of year  |
| month                             | 18   | 2          | "     | I2             | 01-12  |
| day                               | 20   | 2          | "     | I2             | 01-31  |
| hour                              | 22   | 2          | "     | I2             | 00-24  |
| minute                            | 24   | 2          | "     | I2             | 00-59  |
| hundredth of minutes              | 26   | 2          | "     | I2             | 00-99  |
| East-west (u) current component   | 28   | 6          | "     | I6             | cm/sec to hundredths, East +                                     |
| North-south (v) current component | 34   | 6          | "     | I6             | cm/sec to hundredths, North +                                    |
| Temperature                       | 40   | 5          | "     | I5             | Degrees Celsius to thousandths, minus sign when negative.        |
| Pressure                          | 45   | 5          | "     | I5             | Decibars to tenths   |
| Conductivity                      | 50   | 4          | "     | I4             | mmho/cm to hundredths  |
| Blank                             | 54   | 1          | "     | 1X             |  |
| Sequence Number                   | 55   | 6          | "     | I6             | Ascending numeric used for ordering data records upon retrieval. |

DOMES Program  
Current Meter Format  
"015"  
page 4



### 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><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>(✓) |   |
| THERMISTOR<br>YSI 44032 ON V238      | MARCH 76                    |                              | NWRCC                                |  | ✓                                |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |

DATA DOCUMENTATION FORM

NOAA FORM 24-13  
(4-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20832

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.

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

Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)  
3711 - 15th Avenue N. E.  
Seattle, WA 98105 (Telephone 206-442-4598)

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

MESA DOMES Project  
~~DEW-2~~

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

FILE ID PF2947  
DEW-2 CURRENT METER DATA

4. PLATFORM NAME(S)

DEW-2

5. PLATFORM TYPE(S)  
(E.G., SHIP, BUOY, ETC.)

BUOY

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

FROM: MO/DAY/YR TO: MO/DAY/YR

2/28/76

4/29/76

8. ARE DATA PROPRIETARY?

NO  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

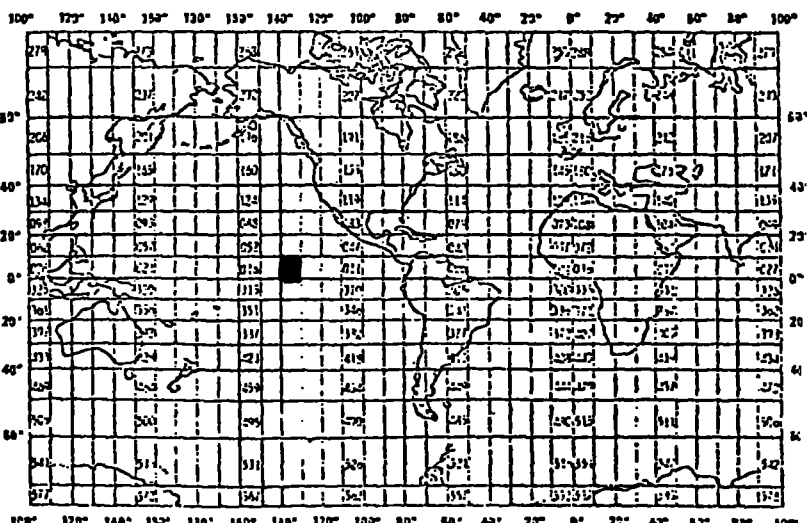
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

NO  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)

DR. DAVID HALPERN  
(206) 442-4598



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 |
|--------------------|-------------------------|--|---|---|
| TIME/DATE          | GMT                     | CRYSTAL CLOCK  | N/A   | N/A   |
| CURRENT VELOCITY   | CM/SEC                  | AMF 610B S/N 0328<br>" " 0329<br>" " 0330<br>" " 0331<br>" " 0337    | PROCESSED AT PMEL.<br>TRANSFERRED TO 7-<br>TRACK TAPE. CALIBRA-<br>TIONS APPLIED. DATA<br>EDITED AND BAD VALUES<br>REPLACED BY LINEAR<br>INTERPOLATION. | REPORTED VALUES<br>REPRESENT AVERAGES                   |
| WATER TEMPERATURE  | DEGREES C               | THERMISTORS ON AMF METERS  | SAME AS ABOVE   | AVERAGE VALUES  |
|                    |                         |  |   |   |

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

DOMES Program CURRENT METER FORMAT

- There are three record types: (1) Data Header I (optional)  
(2) Data Header II (required)  
(3) Data Record (required)

There is no File Header record type for this format.

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 PAUL FREITAG 206-442-4580  
ADDRESS PMEL/NOAA 3711 15<sup>th</sup> AVE NE, SEATTLE, WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

|   |  |
|---|--|
| <p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY<br/><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC<br/><input type="checkbox"/></p>       | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/8 INCH<br/><input type="checkbox"/></p>  |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN<br/><input 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 type="checkbox"/> ODD<br/><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><u>DEW-2 CURRENT METER DATA</u><br/><u>TAPE FILE ID PF2947</u><br/><u>7-TRACK, BCD, 800 BPI, EVEN PARITY</u><br/><u>DR. DAVID HALPERN</u></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI<br/><input type="checkbox"/> 556 BPI<br/><input checked="" type="checkbox"/> 800 BPI<br/><input type="checkbox"/></p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u><br/>DOMES Program Current Meter Format<br/>"015"<br/>13. LENGTH OF BYTES IN BITS <u>6</u><br/>Page 1</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

USER TAPE

[Empty box for listing record types]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER NSAA/NOAC - DT52 202-6371505  
ADDRESS WASHINGTON, D.C. 20535

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>10836 (1, NL)</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>4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>60</p>   |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header I (Optional)

| 14. FIELD NAME      | 15. POSITION FROM - 1 MEASURED IN bytes<br>(e.g., bits, bytes) | 15. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|---------------------|--|------------|-------|----------------|--|
|                     |  | NUMBER     | UNITS |                |  |
| File Type           | 1  | 3          | bytes | A3             | Always "015"   |
| File Identification | 4  | 6          | "     | A6             |  |
| Record Type         | 10   | 1          | "     | I1             | Always "1"   |
| Meter Number        | 11   | 5          | "     | A5             |  |
| Text                | 16   | 38         | "     | 38A1           | Descriptive information  |
| Blank               | 54   | 1          | "     | 1X             |  |
| Sequence number     | 55   | 6          | "     | I6             | ascending numeric used for ordering data header records upon retrieval |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header II (required)

| 14. FIELD NAME              | 15. POSITION FROM - 1 MEASURED IN bytes<br>(i.e., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING   |
|-----------------------------|--|------------|-------|----------------|---|
|                             |  | NUMBER     | UNITS |                |   |
| File Type                   | 1  | 3          | bytes | A3             | Always "015"  |
| File Identification         | 4  | 6          | "     | A6             |   |
| Record Type                 | 10   | 1          | "     | I1             | Always "2"  |
| Meter number                | 11   | 5          | "     | A5             |   |
| Latitude                    |  |            |       |                |   |
| Degrees                     | 16   | 2          | "     | I2             |   |
| Minutes                     | 18   | 2          | "     | I2             |   |
| Hundredths                  | 20   | 2          | "     | I2             | Hundredths of minutes   |
| Hemisphere                  | 22   | 1          | "     | A1             | "N" or "S"  |
| Longitude                   |  |            |       |                |   |
| Degrees                     | 23   | 3          | "     | I3             |   |
| Minutes                     | 26   | 2          | "     | I2             |   |
| Hundredths                  | 28   | 2          | "     | I2             |   |
| Hemisphere                  | 30   | 1          | "     | A1             | "E" or "W"  |
| Depth to bottom             | 31   | 5          | "     | I5             | To whole meters   |
| Depth of meter              | 36   | 5          | "     | I5             | To tenths of meter  |
| Meter Usage Sequence Number | 41   | 3          | "     | I3             | Number of times meter has been deployed (by investigator)     |
| Institution code            | 44   | 2          | "     | A2             | NOBC Institution Code   |
| Axis Rotation               | 46   | 3          | "     | I3             | In whole degrees clockwise from true north of positive V axis |
| Location Name               | 49   | 6          | "     | A6             | Not used by DOMES   |
| Number of data records      | 55   | 6          | "     | I6             | Number of record type "3" records                             |

DOMES Program  
Current Meter Format  
"015"  
page 3

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record (Required)

| 14. FIELD NAME                    | 15. POSITION:<br>FROM-1<br>MEASURED<br>IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|-----------------------------------|--|------------|-------|----------------|--|
|                                   |  | NUMBER     | UNITS |                |  |
| File Type                         | 1  | 3          | bytes | A3             | Always "015"   |
| File Identification               | 4  | 6          | "     | A6             |  |
| Record Type                       | 10   | 1          | "     | I1             | Always "3"   |
| Meter Number                      | 11   | 5          | "     | A5             |  |
| Time                              |  |            |       |                | All times GMT  |
| year                              | 16   | 2          | "     | I2             | Last two digits of year  |
| month                             | 18   | 2          | "     | I2             | 01-12  |
| day                               | 20   | 2          | "     | I2             | 01-31  |
| hour                              | 22   | 2          | "     | I2             | 00-24  |
| minute                            | 24   | 2          | "     | I2             | 00-59  |
| hundredth of minutes              | 26   | 2          | "     | I2             | 00-99  |
| East-west (u) current component   | 28   | 6          | "     | I6             | cm/sec to hundredths, East +                                     |
| North-south (v) current component | 34   | 6          | "     | I6             | cm/sec to hundredths, North +                                    |
| Temperature                       | 40   | 5          | "     | I5             | Degrees Celsius to thousandths, minus sign when negative.        |
| Pressure                          | 45   | 5          | "     | I5             | Decibars to tenths   |
| Conductivity                      | 50   | 4          | "     | I4             | mmho/cm to hundredths  |
| Blank                             | 54   | 1          | "     | 1X             |  |
| Sequence Number                   | 55   | 6          | "     | I6             | Ascending numeric used for ordering data records upon retrieval. |

DOMES Program  
Current Meter Format  
"015"  
page 4



### 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><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>(✓) |   |
| Thermistor YSI44032<br>(AMP 0328)    | OCT 75                      |                              | NWREC                                |  | ✓                                |                                   |                                |                            |   |
| (AMP 0329)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| (AMP 0330)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| (AMP 0331)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| (AMP 0337)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |

DATA DOCUMENTATION FORM

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

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

Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)  
3711 - 15th Avenue N. E.  
Seattle, WA 98105 (Telephone 206-442-4598)

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

DOMES Project (MESA)  
~~DEW-1~~

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

FILE ID PFO257  
DEW-1 CURRENT METER DATA

4. PLATFORM NAME(S)

DEW-1

5. PLATFORM TYPE(S)  
(E.G., SHIP, BUOY, ETC.)

BUOY

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

| FROM: MO/DAY/YR | TO: MO/DAY/YR |
|-----------------|---------------|
| 8/29/75         | 10/28/75      |

8. ARE DATA PROPRIETARY?

NO  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

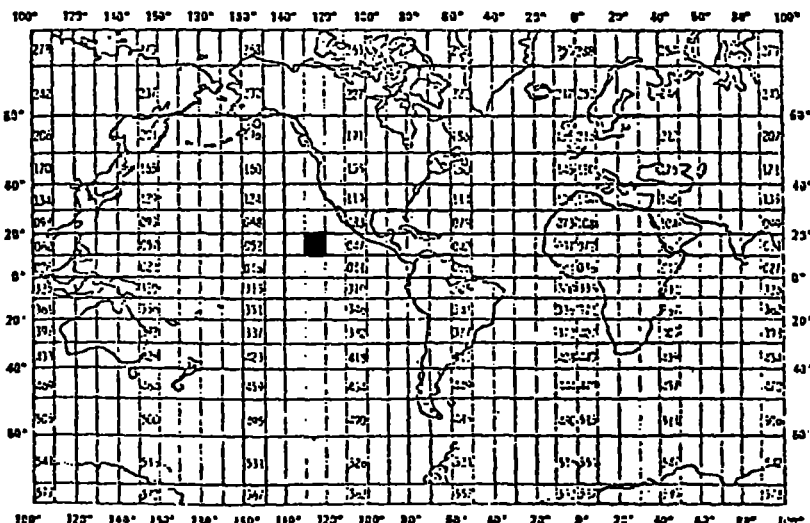
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

NO  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)

DR. DAVID HALPERN  
(206) 442-4598



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 |
|--------------------|-------------------------|--|---|---|
| TIME/DATE          | GMT                     | CRYSTAL CLOCK  | N/A   | N/A   |
| CURRENT VELOCITY   | CM/SEC                  | <i>Amf 610 3/N 0152</i><br><i>" 0153</i><br><i>" 0210</i><br><i>" 0214</i><br><i>Amf 610A 3/N 0250</i> | PROCESSED AT PMEL.<br>TRANSFERRED TO 7-<br>TRACK TAPE. CALIBRA-<br>TIONS APPLIED. DATA<br>EDITED AND BAD VALUES<br>REPLACED BY LINEAR<br>INTERPOLATION. | REPORTED VALUES<br>REPRESENT AVERAGES                   |
| WATER TEMPERATURE  | DEGREES C               | <i>THERMISTORS ON</i><br><i>AMF METERS</i>   | <i>SAME AS ABOVE</i>  | <i>AVERAGE VALUES</i>                                   |
|                    |                         |  |   |   |

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

DOMES Program CURRENT METER FORMAT

There are three record types: (1) Data Header I (optional)  
(2) Data Header II (required)  
(3) Data Record (required)

There is no File Header record type for this format.

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 PAUL FREITAG 206-442-4580  
ADDRESS PMEL/NOAA 3711 15<sup>th</sup> AVE NE, SEATTLE, WA. 98105

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><u>DEW-1 CURRENT METER DATA</u></p> <p><u>TAPE FILE ID PF0257</u></p> <p><u>7-TRACK, BCD, 800 BPI, EVEN PARITY</u></p> <p><u>DR. DAVID HALPERN</u></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/></p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>3600</u></p> <p>DOMES Program<br/>Current Meter<br/>Format</p> <p>13. LENGTH OF BYTES IN BITS <u>"015"</u></p> <p><u>6</u> Page 1</p>  |

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

*USER TAPE*

[Empty box for listing record types]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for describing file organization]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER *NOAA/NODC-DP52-202-6347505*  
ADDRESS *WASHINGTON, DC, 20235*

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

|   |  |
|---|--|
| <p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY<br><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC<br><input type="checkbox"/> _____      | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH<br/> <input type="checkbox"/> _____</p>                                    |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <input type="checkbox"/> SEVEN<br><input checked="" type="checkbox"/> NINE<br><input type="checkbox"/> _____  | <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17<br/> <input type="checkbox"/> _____</p>  |
| <p>7. PARITY</p> <input checked="" type="checkbox"/> ODD<br><input type="checkbox"/> EVEN   | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><i>10836(1, NL)</i></p> |
| <p>8. DENSITY</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>12. PHYSICAL BLOCK LENGTH IN BYTES<br/><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS<br/><i>60</i></p>   |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header I (Optional)

| 14. FIELD NAME      | 15. POSITION FROM - 1 MEASURED IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|---------------------|--|------------|-------|----------------|--|
|                     |  | NUMBER     | UNITS |                |  |
| File Type           | 1  | 3          | bytes | A3             | Always "015"   |
| File Identification | 4  | 6          | "     | A6             |  |
| Record Type         | 10   | 1          | "     | I1             | Always "1"   |
| Meter Number        | 11   | 5          | "     | A5             |  |
| Text                | 16   | 38         | "     | 38A1           | Descriptive information  |
| Blank               | 54   | 1          | "     | 1X             |  |
| Sequence number     | 55   | 6          | "     | I6             | ascending numeric used for ordering data header records upon retrieval |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Header II (required)

| 14. FIELD NAME              | 15. POSITION FROM - 1 MEASURED IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING   |
|-----------------------------|--|------------|-------|----------------|---|
|                             |  | NUMBER     | UNITS |                |   |
| File Type                   | 1  | 3          | bytes | A3             | Always "015"  |
| File Identification         | 4  | 6          | "     | A6             |   |
| Record Type                 | 10   | 1          | "     | I1             | Always "2"  |
| Meter number                | 11   | 5          | "     | A5             |   |
| Latitude                    |  |            |       |                |   |
| Degrees                     | 16   | 2          | "     | I2             |   |
| Minutes                     | 18   | 2          | "     | I2             |   |
| Hundredths                  | 20   | 2          | "     | I2             | Hundredths of minutes   |
| Hemisphere                  | 22   | 1          | "     | A1             | "N" or "S"  |
| Longitude                   |  |            |       |                |   |
| Degrees                     | 23   | 3          | "     | I3             |   |
| Minutes                     | 26   | 2          | "     | I2             |   |
| Hundredths                  | 28   | 2          | "     | I2             |   |
| Hemisphere                  | 30   | 1          | "     | A1             | "E" or "W"  |
| Depth to bottom             | 31   | 5          | "     | I5             | To whole meters   |
| Depth of meter              | 36   | 5          | "     | I5             | To tenths of meter  |
| Meter Usage Sequence Number | 41   | 3          | "     | I3             | Number of times meter has been deployed (by investigator)     |
| Institution code            | 44   | 2          | "     | A2             | NODC Institution Code   |
| Axis Rotation               | 46   | 3          | "     | I3             | In whole degrees clockwise from true north of positive V axis |
| Location Name               | 49   | 6          | "     | A6             | Not used by DOMES   |
| Number of data records      | 55   | 6          | "     | I6             | Number of record type "3" records                             |

DOMES Program  
Current Meter Format  
"015"  
page 3

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record (Required)

| 14. FIELD NAME                    | 15. POSITION FROM - 1 MEASURED IN bytes<br>(c.f. bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|-----------------------------------|---|------------|-------|----------------|--|
|                                   |   | NUMBER     | UNITS |                |  |
| File Type                         | 1   | 3          | bytes | A3             | Always "015"   |
| File Identification               | 4   | 6          | "     | A6             |  |
| Record Type                       | 10  | 1          | "     | I1             | Always "3"   |
| Meter Number                      | 11  | 5          | "     | A5             |  |
| Time                              |   |            |       |                | <u>All times GMT</u>   |
| year                              | 16  | 2          | "     | I2             | Last two digits of year  |
| month                             | 18  | 2          | "     | I2             | 01-12  |
| day                               | 20  | 2          | "     | I2             | 01-31  |
| hour                              | 22  | 2          | "     | I2             | 00-24  |
| minute                            | 24  | 2          | "     | I2             | 00-59  |
| hundredth of minutes              | 26  | 2          | "     | I2             | 00-99  |
| East-west (u) current component   | 28  | 6          | "     | I6             | cm/sec to hundredths, East +                                     |
| North-south (v) current component | 34  | 6          | "     | I6             | cm/sec to hundredths, North +                                    |
| Temperature                       | 40  | 5          | "     | I5             | Degrees Celsius to thousandths, minus sign when negative.        |
| Pressure                          | 45  | 5          | "     | I5             | Decibars to tenths   |
| Conductivity                      | 50  | 4          | "     | I4             | mmho/cm to hundredths  |
| Blank                             | 54  | 1          | "     | 1X             |  |
| Sequence Number                   | 55  | 6          | "     | I6             | Ascending numeric used for ordering data records upon retrieval. |

DOMES Program  
Current Meter Format  
"015"  
page 4



### 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><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>(✓) |   |
| THERMISTOR 4SL44032<br>(AMF 0152)    | AUG 75                      |                              | NWRCC                                |  | ✓                                |                                   |                                |                            |   |
| (AMF 0153)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| (AMF 020)                            | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| (AMF 0214)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
| (AMF 0250)                           | "                           |                              | "                                    |  | ✓                                |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |   |

File type

015-2

20

#2 000482

ANSE 013808

3875

4435

(c4040)

60/4800, FOIS

#1 U 020421

TR 704, 896-904, 1050-1052, 1419-1423, 1659,  
1905

#2 TAPE

333,926

Accession No: 77-0458

TR 1465

RECORD NO. 1

|  |                                   |     |      |     |        |
|--|-----------------------------------|-----|------|-----|--------|
| ****015NSJ1572V023811475 N138235 W 49384908 3F 0 | 4740****015NS31573V0238760428 3 0 | 2   | -483 | 151 | 1****5 |
| ****015NSJ1573V0238760428 4 0                    | 2****015NS31573V0238760428 5 0    | 57  | -644 | 149 | 3****  |
| ****015NSJ1573V0238760428 6 0                    | 4****015NS31573V0238760428 7 0    | 118 | -670 | 149 | 5****  |
| ****015NSJ1573V0238760428 8 0                    | 6****015NS31573V0238760428 9 0    | 100 | -647 | 148 | 7****  |
| ****015NSJ1573V023876042810 0                    | 8****015NS31573V023876042811 0    | 133 | -595 | 148 | 9****  |
| ****015NSJ1573V023876042812 0                    | 10****015NS31573V023876042813 0   | 179 | -317 | 147 | 11**** |
| ****015NSJ1573V023876042814 0                    | 12****015NS31573V023876042815 0   | 126 | -271 | 147 | 13**** |
| ****015NSJ1573V023876042816 0                    | 14****015NS31573V023876042817 0   | 332 | -201 | 147 | 15**** |
| ****015NSJ1573V023876042818 0                    | 16****015NS31573V023876042819 0   | 423 | -354 | 147 | 17**** |
| ****015NSJ1573V023876042820 0                    | 18****015NS31573V023876042821 0   | 550 | -449 | 146 | 19**** |
| ****015NSJ1573V023876042822 0                    | 20****015NS31573V023876042823 0   | 512 | -527 | 146 | 21**** |
| ****015NSJ1573V0238760429 0 0                    | 22****015NS31573V0238760429 1 0   | 291 | -525 | 146 | 23**** |
| ****015NSJ1573V0238760429 2 0                    | 24****015NS31573V0238760429 3 0   | 148 | -353 | 146 | 25**** |
| ****015NSJ1573V0238760429 4 0                    | 26****015NS31573V0238760429 5 0   | 283 | -236 | 146 | 27**** |
| ****015NSJ1573V0238760429 6 0                    | 28****015NS31573V0238760429 7 0   | 375 | -420 | 146 | 29**** |
| ****015NSJ1573V0238760429 8 0                    | 30****015NS31573V0238760429 9 0   | 536 | -520 | 146 | 31**** |
| ****015NSJ1573V023876042910 0                    | 32****015NS31573V023876042911 0   | 460 | -685 | 146 | 33**** |
| ****015NSJ1573V023876042912 0                    | 34****015NS31573V023876042913 0   | 245 | -848 | 146 | 35**** |
| ****015NSJ1573V023876042914 0                    | 36****015NS31573V023876042915 0   | 150 | -435 | 146 | 37**** |
| ****015NSJ1573V023876042916 0                    | 38****015NS31573V023876042917 0   | 113 | -382 | 146 | 39**** |
| ****015NSJ1573V023876042918 0                    | 40****015NS31573V023876042919 0   | 333 | -518 | 146 | 41**** |
| ****015NSJ1573V023876042920 0                    | 42****015NS31573V023876042921 0   | 394 | -531 | 146 | 43**** |
| ****015NSJ1573V023876042922 0                    | 44****015NS31573V023876042923 0   | 330 | -527 | 146 | 45**** |
| ****015NSJ1573V0238760430 0 0                    | 46****015NS31573V0238760430 1 0   | 270 | -427 | 146 | 47**** |
| ****015NSJ1573V0238760430 2 0                    | 48****015NS31573V0238760430 3 0   | 194 | -266 | 146 | 49**** |
| ****015NSJ1573V0238760430 4 0                    | 50****015NS31573V0238760430 5 0   | 35  | -339 | 146 | 51**** |
| ****015NSJ1573V0238760430 6 0                    | 52****015NS31573V0238760430 7 0   | 186 | -383 | 146 | 53**** |
| ****015NSJ1573V0238760430 8 0                    | 54****015NS31573V0238760430 9 0   | 408 | -403 | 146 | 55**** |
| ****015NSJ1573V023876043010 0                    | 56****015NS31573V023876043011 0   | 442 | -513 | 146 | 57**** |
| ****015NSJ1573V023876043012 0                    | 58****015NS31573V023876043013 0   | 386 | -387 | 146 | 59**** |

CP TIME SO FAR = 59.71 SECONDS

\*\*\*END OF JOB\*\*\*

1 METERS PROCESSED, 80 PHYSICAL RECORDS WRITTEN ON TAPE3.

Pic...  
12/1/77

NODC REF. NO. - TR1424

ACCESSION  
NUMBER

77-0458

DDF-B:1:03

DATA DOCUMENTATION FORM

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

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<br>Pacific Marine Environmental Laboratory<br>3711 15th Ave N.E., Seattle WA 98105   |  |  |  |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED<br>Marine Ecosystems Analysis Program (PSEAP)   |  | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT<br>SF7702                                       |  |
| 4. PLATFORM NAME(S)<br>R/V Snow Goose   | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)<br>Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES)<br>U.S.  | 7. DATES<br>FROM: MO, DAY, YR TO: MO, DAY, YR<br>2/22/77 2/25/77 |
| 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>GENERAL AREA |  |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?<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>Patricia Ruffio<br>442-4902   |  |  |  |

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 |
|------------------------------|-------------------------|--|--|---|
| Sample Count                 | Number of cells counted | Zeiss Invertoscope "D"   | Utermohl/Inverted Microscope Method                                    |   |
| Cells per liter              | Cells/liter             | "  | "  |   |
| Phytoplankton taxonomic code | 10 digit numerical code | "  | "  |   |

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

Two (2) record types: Station Header Cards and Detail Cards, differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

There ~~are~~ is one Station Header card and a variable number of Detail Cards per Niskin cast. Each Detail Card contains the taxonomic code (identifier) and the count data for a single taxonomic group.

*Cards converted to tape at NODC with characteristics as shown in blocks #5-#13 below.*

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

4. RESPONSIBLE COMPUTER SPECIALIST: P. Ruffin; (After Aug 1, 1977) A. Chester  
NAME AND PHONE NUMBER  
ADDRESS 3711 15th NE Seattle WA 98105

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>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p>  |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p>  | <p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17</p>  |
| <p>7. PARITY <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><b>Vol. Serial No. = 11264</b></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>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><b>4000</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>8</b></p>   |

2-26-70

## RECORD FORMAT DESCRIPTION

RECORD NAME MASTER RECORD Phytoplankton Species

| 14. FIELD NAME  | 15. POSITION FROM - 1 MEASURED IN Bytes<br><small>(e.g., bits, bytes)</small> | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING     |
|-----------------|---|------------|-------|----------------|-------------------------|
|                 |   | NUMBER     | UNITS |                |                         |
| File Type       | 1   | 3          | Bytes | A3             | Always '028'            |
| File Identifier | 4   | 6          | Bytes | A6             |                         |
| Record Type     | 10  | 1          | Bytes | I1             | Always '1'              |
| Station Number  | 11  | 5          | Bytes | A5             |                         |
| Latitude,       |   |            |       |                |                         |
| Degrees         | 16  | 2          | Bytes | I2             |                         |
| Minutes         | 18  | 2          | Bytes | I2             |                         |
| Seconds         | 20  | 2          | Bytes | I2             |                         |
| Hemisphere      | 22  | 1          | Bytes | A1             |                         |
| Longitude,      |   |            |       |                |                         |
| Degrees         | 23  | 3          | Bytes | I3             |                         |
| Minutes         | 26  | 2          | Bytes | I2             |                         |
| Seconds         | 28  | 2          | Bytes | I2             |                         |
| Hemisphere      | 30  | 1          | Bytes | A1             |                         |
| Year            | 31  | 2          | Bytes | I2             | Last two digits of year |
| Month           | 33  | 2          | Bytes | I2             | 1-12                    |
| Day             | 35  | 2          | Bytes | I2             | 1-31                    |
| Hour            | 37  | 2          | Bytes | I2             | 0-23                    |
| Minutes         | 39  | 2          | Bytes | I2             | 0-59                    |
| Time Zone       | 41  | 1          | Bytes | A1             | Always '+' or '-'       |
| Time Zone       | 42  | 2          | Bytes | A2             | 01-12                   |
| Depth to Bottom | 44  | 5          | Bytes | I5             | To whole meters         |
| Blank           | 49  | 32         | Bytes | 32X            |                         |

}

GMT

RECORD FORMAT DESCRIPTION

RECORD NAME - (DETAIL RECORD) Phytoplankton Species

| 14. FIELD NAME           | 15. POSITION FROM 1 MEASURED IN Bytes (incl. bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTE | 18. USE AND MEANING                     |
|--------------------------|---|------------|-------|---------------|---|
|                          |   | NUMBER     | UNITS |               |   |
| File Type                | 1   | 3          | Bytes | A3            | Always '028'                            |
| File Identifier          | 4   | 6          | Bytes | A6            |   |
| Record                   | 10  | 1          | Bytes | I1            | Always '3'                              |
| Station Number           | 11  | 5          | Bytes | A5            | /                                       |
| Sample Number            | 16  | 4          | Bytes | A4            | Originator's internal use               |
| Sample Depth             | 20  | 4          | Bytes | I4            | In tenths of meters                     |
| Taxonomic Code           | 24  | 10         | Bytes | I10           |   |
| Blank                    | 34  | 3          | Bytes | 3X            |   |
| Count                    | 37  | 5          | Bytes | I5            | Of species identified in previous field |
| Number of Cells/Liter    | 42  | 9          | Bytes | I9            | Of species identified in previous field |
| Wet Weight               | 51  | 7          | Bytes | I7            | To thousandths of grams                 |
| Dry Weight               | 58  | 7          | Bytes | I7            | To thousandths of grams                 |
| Volume of Water Filtered | 65  | 5          | Bytes | I5            | Whole milliliters                       |
| Blank                    | 70  | 8          | Bytes | 8X            |   |
| Sequence Number          | 78  | 3          | Bytes | I3            | Ascending numeric order for sorting*    |

\* The Sequence Number may be used to structure the data in such a way that the Text Record could precede or follow the corresponding taxonomic code on the Detail Record. An example would be two organisms named on two Text Records with Sequence Numbers of '002' and '004' and corresponding Detail Records with Sequence Numbers of '001' and '003' (NOTE: The Sequence Number need not be a consecutive number, but a number that is ascending numerically.) If the data were to be sorted, within a station, by Sequence Number, the Master Record (blanks in bytes 78-80) would be first followed by Detail Record '001', Text Record '002', Detail Record '003' and Text Record '004'.



### 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><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>(✓) | <del>BEFORE</del><br>AFTER REPAIR<br>(✓) | ONLY<br>WHEN<br>NEW<br>(✓) |   |
| Zeiss Invertro-<br>scope "D"         | 6-9-76                      | ✓                            |                                      |  |                                  |                                   | ✓  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   | after microscope has<br>been moved.      |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |
|                                      |                             |                              |                                      |  |                                  |                                   |  |                            |   |

# Documentation

77-0458

TR 1424

Programmer: M. Schaffer

1. Station headers have blanks within Latitude and longitude fields for seconds. Error flags ignored,
2. FILE ID SF7702 CHANGED TO TR1424.

|            |            |            |            |
|------------|------------|------------|------------|
| 611933     | 612002     | 612008     | 612014     |
| 6120       | 6120020101 | 6120080101 | 612015     |
| 612001     | 6120020201 | 6120080201 | 612016     |
| 6120010101 | 612003     | 6120080202 | 6120160101 |
| 6120010201 | 6120030101 | 6120080301 | 6120160201 |
| 6120010202 | 612004     | 6120080302 | 612017     |
| 6120010301 | 6120040101 | 6120080401 | 612018     |
| 6120010302 | 6120040102 | 612009     | 612019     |
| 6120010303 | 6120040103 | 6120090101 | 612020     |
| 6120010304 | 6120040104 | 6120090102 | 612021     |
| 6120010305 | 6120040105 | 6120090103 | 612022     |
| 6120010306 | 6120040106 | 6120090104 | 6120220101 |
| 6120010307 | 612005     | 6120090105 | 612024     |
| 6121       | 612302     | 612313     | 6127       |
| 612101     | 6123020101 | 6123130101 | 612701     |
| 6121010101 | 612303     | 6123130102 | 6128       |
| 612102     | 612304     | 612314     | 6129       |
| 612103     | 6123040101 | 612315     | 612901     |
| 612104     | 612305     | 6124       | 6129010101 |
| 612105     | 6123050101 | 612401     | 6129010102 |
| 612106     | 6123050102 | 612402     | 6129010103 |

SDF1 002496

SDF2 002499

ANSE 002502

TR 462-464, 513, 519-521, 681-683, 701-703, 756, 910, 911,  
 946, 1105-1145, 1309, 1313, (1424), 1657, 1658, 1895, 1896,  
 2869, 2870, 2968-2970, 3955, 5055-5059, 6429

28,750

accession no: 77-0458

These Oxyd Journal Phytoplankton

tapes transferred to 0.35:

11264 = originator

13381 = " copy

13390 = user (corrected)

DDF-B:1:03

DATA DOCUMENTATION FORM

TR1425

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.N.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.

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

Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)  
3711 - 15th Avenue N. E.  
Seattle, WA 98105 (Telephone 206-442-4598)

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

MESA DOMES Project  
~~DEW-3~~

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

FILE 10 PF2557  
DEW-3 WIND RECORDER DATA

4. PLATFORM NAME(S)

DEW-3

5. PLATFORM TYPE(S)  
(E.G., SHIP, BUOY, ETC.)

BUOY

6. PLATFORM AND OPERATOR NATIONALITY(IES)

U.S.

U.S.

7. DATES

| FROM: MO/DAY/YR | TO: MO/DAY/YR |
|-----------------|---------------|
| 8/2/76          | 10/29/76      |

8. ARE DATA PROPRIETARY?

NO  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

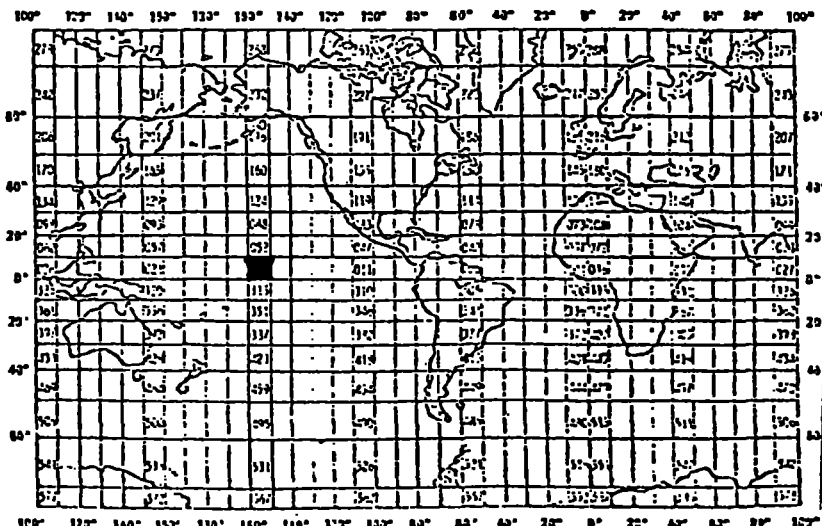
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

NO  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)

DR. DAVID HALPERN  
(206) 442-4598



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 |
|--------------------|-------------------------|---|---|---|
| TIME/DATE          | GMT                     | CRYSTAL CLOCK   | N/A   | N/A   |
| WIND VELOCITY      | CM/SEC                  | <p>AMF 610A S/N 0259<br/>           (MODIFIED FOR CLIMET ANEMOMETER CUPS)</p> | <p>PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED. DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION.</p> | <p>REPORTED VALUES REPRESENT AVERAGES</p>               |
| AIR TEMPERATURE    | DEGREES C               | THERMISTOR ON INSTRUMENT  | SAME AS ABOVE   | AVERAGE VALUES  |

LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
AND THE METHOD OF IDENTIFYING EACH RECORD TYPE

DOMES PROGRAM WIND FORMAT

- Three Record Types: (1) Station Header I (optional)  
 (2) Station Header II  
 (3) Data Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty space for description of file organization]

LANGUAGES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER PAUL FREITAG 206-442-4580  
 ADDRESS 3711 15th Ave. NE, Seattle WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

|  |  |
|--|--|
| <p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY<br/> <input type="checkbox"/> ASCII <input 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 checked="" type="checkbox"/> SEVEN<br/> <input 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 type="checkbox"/> ODD<br/> <input checked="" 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>DEW-3 WIND RECORDER DATA<br/>       TAPE FILE ID PF2557<br/>       7-TRACK, BCD, 800 BPI, Even Parity<br/>       DR. DAVID HALPERN</b></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI<br/> <input type="checkbox"/> 556 BPI<br/> <input checked="" type="checkbox"/> 800 BPI<br/> <input type="checkbox"/> _____</p> |  |
| <p>12. PHYSICAL BLOCK LENGTH IN <u>3600</u></p> <p>13. LENGTH OF BYTES IN BITS <u>6</u></p>  |  |

DOMES Program  
 Wind Format  
 "101"  
 Page 1  
 (Rec. Apr. 77)

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

*USER TAPE*

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 NOAA/NADC - DT52 - 202-6347505  
ADDRESS WASHINGTON, D.C. 20535

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><i>10836 (2, NL)</i></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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>60</i></p>  |



## RECORD FORMAT DESCRIPTION

RECORD NAME STATION HEADER I (optional)

| 14. FIELD NAME  | 15. POSITION<br>FROM - 1<br>MEASURED<br>IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING   |
|-----------------|---|------------|-------|----------------|---|
|                 |   | NUMBER     | UNITS |                |   |
| File Type       | 1   | 3          | bytes | I3             | always "101"  |
| File I.D.       | 4   | 6          | "     | A6             | unique cruise number or date  |
| Record Type     | 10  | 1          | "     | I1             | always "1"  |
| Meter Number    | 11  | 5          | "     | A5             | analogous to NODC station number  |
| Text            | 16  | 29         | "     | 29A1           | information describing site,<br>instrument and/or data.                                   |
| Sequence Number | 45  | 6          | "     | I6             | ascending numeric used to<br>reconstruct order of station<br>header records upon recovery |

DOMES Program  
Wind Format  
"101"  
Page 2

RECORD NAME STATION HEADER II

| FIELD NAME         | 15. POSITION FROM - 1 MEASURED IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|--------------------|--|------------|-------|----------------|--|
|                    |  | NUMBER     | UNITS |                |  |
| File Type          | 1  | 3          | bytes | I3             | always "101"   |
| File I.D.          | 4  | 6          | "     | A6             | unique cruise number or date   |
| Record Type        | 10   | 1          | "     | I1             | always "2"   |
| Meter Number       | 11   | 5          | "     | A5             | analogous to NODC station number   |
| Latitude           |  |            |       |                |  |
| Degrees            | 16   | 2          | "     | I2             |  |
| Minutes            | 18   | 2          | "     | I2             |  |
| Hundredths         | 20   | 2          | "     | I2             | hundredths of minutes  |
| Hemisphere         | 22   | 1          | "     | A1             | "N" or "S"   |
| Longitude          |  |            |       |                |  |
| Degrees            | 23   | 3          | "     | I3             |  |
| Minutes            | 26   | 2          | "     | I2             |  |
| Hundredths         | 28   | 2          | "     | I2             | hundredths of minutes  |
| Hemisphere         | 30   | 1          | "     | A1             | "E" or "W"   |
| Platform Type      | 31   | 1          | "     | A1             | use platform code below  |
| Elevation          | 32   | 4          | "     | I4             | elevation in whole meters to base of instrument platform                         |
| Height of platform | 36   | 3          | "     | I3             | meters to tenths height of building, tower, ship above ground (ship - above S.L) |
| Meter Use Number   | 39   | 3          | "     | I3             | number of times meter has been deployed by investigator                          |
| Blank              | 42   | 9          | "     | 9X             |  |

PLATFORM CODE

- |                                |  |
|--------------------------------|--|
| 1 - Research ship              | B - Fixed coastal station/ fixed shore station |
| 2 - Non-specialized ship       | C - Drifting Ice                               |
| 3 - Satellite                  | D - Submersible                                |
| 4 - Balloon                    | E - Helicopter                                 |
| 5 - Airplane                   | F - Shore observer (auto or foot)              |
| 6 - Anchored buoy              | G - Ice station                                |
| 7 - Drifting buoy              |  |
| 8 - Submerged float - anchored |  |
| 9 - Submerged float - drifting |  |
| A - Fixed platform             |  |

RECORD NAME DATA RECORD

| 14. FIELD NAME                    | 15. POSITION FROM-1 MEASURED IN bytes<br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES | 18. USE AND MEANING  |
|-----------------------------------|--|------------|-------|----------------|--|
|                                   |  | NUMBER     | UNITS |                |  |
| File Type                         | 1  | 3          | bytes | I3             | always "101"   |
| File I.D.                         | 4  | 6          | "     | A6             | unique cruise number or date   |
| Record Type                       | 10   | 1          | "     | I1             | always "3"   |
| Meter Number                      | 11   | 5          | "     | A5             | analogous to NODC station number   |
| Date/Time                         |  |            |       |                | } GMT<br>hundredths of minutes   |
| year                              | 16   | 2          | "     | I2             |  |
| month                             | 18   | 2          | "     | I2             |  |
| day                               | 20   | 2          | "     | I2             |  |
| hour                              | 22   | 2          | "     | I2             |  |
| minute                            | 24   | 2          | "     | I2             |  |
| hundredth                         | 26   | 2          | "     | I2             |  |
| East-West (u)<br>wind component   | 28   | 5          | "     | I5             | meters/second to hundredths****<br>no sign for positive (East)<br>floating "-" for negative (West)   |
| North-South (v)<br>wind component | 33   | 5          | "     | I5             | meters/second to hundredths****<br>no sign for positive (North)<br>floating "-" for negative (South) |
| Air Temperature                   | 38   | 5          | "     | I5             | degrees Celsius to hundredths<br>no sign for positive<br>floating "-" for negative                   |
| Blank                             | 43   | 2          | "     | 2X             |  |
| Sequence Number                   | 45   | 6          | "     | I6             | ascending numeric used to reconstruct order of data records upon retrieval                           |

\*\*\*\* wind components are to be reported in the *meteorologic* oceanographic sense, i.e., flowing ~~towards~~ *from*

### 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 |
|--------------------------------------|-----------------------------|------------------------------|--------------------------------------|--|----------------------------------|-----------------------------------|--------------------------------|----------------------------|--|
|                                      |                             | 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>(✓) |  |
| THERMISTOR YSI44032<br>AMF 0259      | MAY 76                      |                              | NWRC                                 |  | ✓                                |                                   |                                |                            |  |
| CUMET 3 CUP<br>ANEMOMETER            | JULY 76                     | ✓                            |                                      |  | ✓                                |                                   |                                |                            |  |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |  |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |  |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |  |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |  |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |  |
|                                      |                             |                              |                                      |  |                                  |                                   |                                |                            |  |

Password:

| accNo   | fleA | refNo  | proj | inst | ship | startDate  | cruise | catId  |
|---------|------|--------|------|------|------|------------|--------|--------|
| 7700458 | F015 | TR1421 | 0080 | 313F | 317F | 1976/04/28 | EBW-1  | 304135 |
| 7700458 | F028 | TR1424 | 0082 | 313F | 32GS | 1977/02/23 | SF7702 | 304136 |
| 7700458 | F101 | TR1465 | 0080 | 313F | 317F | 1976/08/02 | DEW-3  | 304137 |
| 7700458 | F015 | TT1377 | 0080 | 313F | 317F | 1976/05/04 | EBW-2  | 304138 |
| 7700458 | F015 | TT1378 | 0080 | 313F | 317F | 1976/05/04 | EBW-2  | 304139 |
| 7700458 | F015 | TT1379 | 0080 | 313F | 317F | 1976/05/04 | EBW-2  | 304140 |
| 7700458 | F015 | TT1380 | 0080 | 313F | 317F | 1976/08/02 | DEW-3  | 304141 |
| 7700458 | F015 | TT1381 | 0080 | 313F | 317F | 1976/08/02 | DEW-3  | 304142 |
| 7700458 | F015 | TT1382 | 0080 | 313F | 317F | 1976/08/02 | DEW-3  | 304143 |
| 7700458 | F015 | TT1383 | 0080 | 313F | 317F | 1976/08/02 | DEW-3  | 304144 |
| 7700458 | F015 | TT1384 | 0080 | 313F | 317F | 1976/08/02 | DEW-3  | 304145 |
| 7700458 | F015 | TT1385 | 0080 | 313F | 317F | 1976/02/28 | DEW-2  | 304146 |
| 7700458 | F015 | TT1386 | 0080 | 313F | 317F | 1976/02/28 | DEW-2  | 304147 |
| 7700458 | F015 | TT1387 | 0080 | 313F | 317F | 1976/02/28 | DEW-2  | 304148 |
| 7700458 | F015 | TT1388 | 0080 | 313F | 317F | 1976/02/28 | DEW-2  | 304149 |
| 7700458 | F015 | TT1389 | 0080 | 313F | 317F | 1976/02/28 | DEW-2  | 304150 |
| 7700458 | F015 | TT1390 | 0080 | 313F | 317F | 1975/08/29 | DEW-1  | 304151 |
| 7700458 | F015 | TT1391 | 0080 | 313F | 317F | 1975/08/29 | DEW-1  | 304152 |
| 7700458 | F015 | TT1392 | 0080 | 313F | 317F | 1975/08/29 | DEW-1  | 304153 |
| 7700458 | F015 | TT1393 | 0080 | 313F | 317F | 1975/08/29 | DEW-1  | 304154 |
| 7700458 | F015 | TT1394 | 0080 | 313F | 317F | 1975/08/29 | DEW-1  | 304155 |

(21 rows affected)

Password:

| accNo   | fleA | refNo  | ship | staCnt | recCnt | startDate | endDate  |
|---------|------|--------|------|--------|--------|-----------|----------|
| 7700458 | F015 | TR1421 | 317F | 8      | 4741   | 76/04/28  | 76/11/11 |
| 7700458 | F028 | TR1424 | 32GS | 3      | 128    | 77/02/23  | 77/02/24 |
| 7700458 | F101 | TR1465 | 317F | 3      | 8512   | 76/08/02  | 76/10/01 |
| 7700458 | F015 | TT1377 | 317F | 19     | 4381   | 76/05/04  | 76/11/01 |
| 7700458 | F015 | TT1378 | 317F | 19     | 3433   | 76/05/04  | 76/09/01 |
| 7700458 | F015 | TT1379 | 317F | 19     | 4381   | 76/05/04  | 76/11/01 |
| 7700458 | F015 | TT1380 | 317F | 15     | 8513   | 76/08/02  | 76/10/01 |
| 7700458 | F015 | TT1381 | 317F | 15     | 8513   | 76/08/02  | 76/10/01 |
| 7700458 | F015 | TT1382 | 317F | 15     | 8513   | 76/08/02  | 76/10/01 |
| 7700458 | F015 | TT1383 | 317F | 15     | 8513   | 76/08/02  | 76/10/01 |
| 7700458 | F015 | TT1384 | 317F | 15     | 8513   | 76/08/02  | 76/10/01 |
| 7700458 | F015 | TT1385 | 317F | 15     | 5905   | 76/02/28  | 76/04/01 |
| 7700458 | F015 | TT1386 | 317F | 15     | 5905   | 76/02/28  | 76/04/01 |
| 7700458 | F015 | TT1387 | 317F | 15     | 5905   | 76/02/28  | 76/04/01 |
| 7700458 | F015 | TT1388 | 317F | 15     | 5905   | 76/02/28  | 76/04/01 |
| 7700458 | F015 | TT1389 | 317F | 15     | 4161   | 76/02/28  | 76/04/01 |
| 7700458 | F015 | TT1390 | 317F | 15     | 5809   | 75/08/29  | 75/10/01 |
| 7700458 | F015 | TT1391 | 317F | 15     | 5809   | 75/08/29  | 75/10/01 |
| 7700458 | F015 | TT1392 | 317F | 15     | 5809   | 75/08/29  | 75/10/01 |
| 7700458 | F015 | TT1393 | 317F | 15     | 5281   | 75/08/29  | 75/10/01 |
| 7700458 | F015 | TT1394 | 317F | 15     | 5809   | 75/08/29  | 75/10/01 |

(21 rows affected)