

DATA DOCUMENTATION FORM

TR 3851

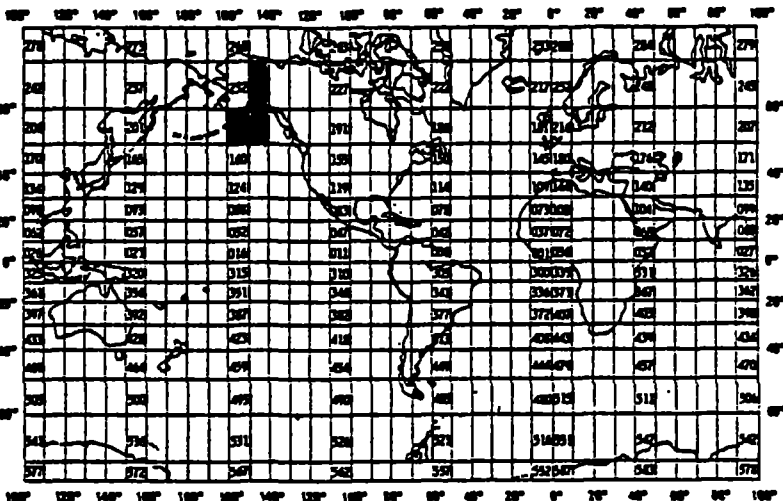
NOAA FORM 24-13
(72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

F033

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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | | | | | | | | | |
|--|---|--|-----------------|----------|----------|-------------------|-----------------|-----|-----|------------|-------------|
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6007 | | | | | | | | | |
| 4. PLATFORM NAME(S) NOAA R/V Discoverer | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td><td>3 / 1 / 76</td><td>3 / 10 / 76</td></tr></tbody></table> | | PLATFORM | OPERATOR | FROM: MO, DAY, YR | TO: MO, DAY, YR | USA | USA | 3 / 1 / 76 | 3 / 10 / 76 |
| PLATFORM | OPERATOR | FROM: MO, DAY, YR | TO: MO, DAY, YR | | | | | | | | |
| USA | USA | 3 / 1 / 76 | 3 / 10 / 76 | | | | | | | | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | | | | | | | | | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | | | | | | | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade. | Temp. gage at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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 |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

C. DATA FORMAT

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

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

ATTRIBUTES AS EXPRESSED IN ☐ PL-I ☐ ALGOL ☐ COBOL
☐ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd. Anchorage, Alaska, 99503

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | | |
|--|--|---|
| 5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ | | 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____ |
| 6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ | | 10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____ |
| 7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN | | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE. VOLUME NUMBER) OCSEAP - USFWS/OBSCE 337 - 033 - FW6007 NOAA RV Discoverer 76/3/1 - 76/3/10 LENSINK 9TRK, 800BPI, ODD, EBCDIC NON LABELED-IBM UTILITY B |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____ | | |
| | | 13. LENGTH OF BYTES IN BITS 8 |

RECORD FORMAT DESCRIPTION

CORD NAME Location - Ship and Aircraft Census

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------------|--|------------|-------|----------------|--|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | "Always 033" |
| File Identifier | 4 | 6 | bytes | A6 | |
| Record Type | 10 | 1 | bytes | I1 | "Always 1" |
| Station Number | 11 | 5 | bytes | A5 | 4th byte coded for ship type 5th byte coded for transect type |
| Latitude, Degrees | 16 | 2 | bytes | I2 | Starting Position |
| Minutes | 18 | 2 | bytes | I2 | " " |
| Seconds | 20 | 2 | bytes | I2 | " " |
| Hemisphere | 22 | 1 | bytes | A1 | "N" or "S" |
| Longitude, Degrees | 23 | 3 | bytes | I3 | Starting Position |
| Minutes | 26 | 2 | bytes | I2 | " " |
| Seconds | 28 | 2 | bytes | I2 | " " |
| Hemisphere | 30 | 1 | bytes | A1 | "E" or "W" |
| Year | 31 | 2 | bytes | I2 | Last two digits of year = Starting Time GMT |
| Month | 33 | 2 | bytes | I2 | " " " |
| Day | 35 | 2 | bytes | I2 | " " " |
| Hour | 37 | 2 | bytes | I2 | " " " |
| Minute | 39 | 2 | bytes | I2 | " " " |
| Latitude, Degrees | 41 | 2 | bytes | I2 | Ending... Position |
| Minutes | 43 | 2 | bytes | I2 | " " |
| Seconds | 45 | 2 | bytes | I2 | " " |
| Hemisphere | 47 | 1 | bytes | A1 | "N" or "S" |
| Longitude, Degrees | 48 | 3 | bytes | I3 | Ending Position |
| Minutes | 51 | 2 | bytes | I2 | " " |
| Seconds | 53 | 2 | bytes | I2 | " " |
| Hemisphere | 55 | 1 | bytes | A1 | "E" or "W" |
| Elapsed Time | 56 | 2 | bytes | I2 | whole minutes |
| Time Zone | 58 | 1 | byte | A1 | "+" or "-" |
| Time Zone | 59 | 2 | bytes | A2 | 01-12 |
| Speed Made Good | 61 | 3 | bytes | I3 | in whole knots |
| Course Made Good | 64 | 2 | bytes | I2 | tens of degrees true |

RECORD FORMAT DESCRIPT. .1

ORD NAME Location (continued) - Ship and Aircraft Census

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., mls, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------------------|--|------------|-------|----------------|---------------------|
| | | NUMBER | UNITS | | |
| Height of eyes above sea | 66 | 3 | bytes | I3 | In whole meters |
| Observation conditions | 75 | 1 | bytes | A1 | 1-7 bad-excellent |
| Transect width | 81 | 3 | bytes | I3 | 10's of meters |

RECORD FORMAT DESCRIPTION

RECORD NAME Environmental - Ship and Aircraft Census

| FIELD NAME | 15. POSITION FROM -1 MEASURED IN (e.g., dls, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|---------------------|---|------------|-------|----------------|---|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Allways "033" |
| File Identifier | 4 | 6 | bytes | A6 | |
| Record Type | 10 | 1 | bytes | I1 | Allways "2" |
| Depth | 16 | 4 | bytes | I4 | In whole meters |
| Surface Temp. | 23 | 4 | bytes | I4 | In tenths of degrees Centigrade |
| Surface Salinity | 27 | 3 | bytes | I3 | In parts per hundred |
| Barometric Pressure | 40 | 4 | bytes | I4 | In tenths of millibars |
| Barometric Trend | 44 | 1 | bytes | A1 | + = rising, 0 = steady, - = falling |
| Wind Direction | 45 | 2 | bytes | I2 | In 10's of degrees true See WMO codes 0885 & 0877 |
| Wind Speed | 47 | 2 | bytes | I2 | In whole knots |
| Sea State | 49 | 1 | bytes | A1 | WMO code 3700 |
| Weather | 55 | 2 | bytes | A2 | WMO code 4677 with restricted choice as shown below: 00, 03, 41, 43, 68, 69, 87, 88, 71, 73 |

RECORD FORMAT DESCRIPTION

RECORD NAME / Data - Ship and Aircraft Census

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------------|--|------------|-------|----------------|---|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Allways "033" |
| File Identifier | 4 | 6 | bytes | A6 | |
| Record Type | 10 | 1 | bytes | I1 | Allways "5" |
| Station Number | 11 | 5 | bytes | A5 | bytes 14-15 define ship and observation types |
| Taxonomic Code | 18 | 10 | bytes | I10 | NODC 1977 codes |
| Subspecies | 28 | 2 | bytes | I2 | |
| Species Group | 30 | 2 | bytes | A2 | |
| Age Class | 32 | 1 | bytes | A1 | |
| Sex | 33 | 1 | bytes | A1 | |
| Color Phase | 34 | 1 | bytes | A1 | |
| Number of Individuals | 37 | 5 | bytes | I5 | whole numeric |
| Flight Direction | 48 | 2 | bytes | I2 | In 10's of degrees |
| Linkage | 51 | 3 | bytes | I3 | Sequence number of a group within one observation |
| Behavior | 56 | 2 | bytes | A2 | |
| Sequence | 78 | 3 | bytes | I3 | Ascedding numeric, for sorting |
| Outsice Zone | 83 | 1 | bytes | A1 | 0 = birds within transect width defined in RT 1, bytes 81-83. 1-9 = birds other thar above. |

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

| INSTRUMENT TYPE (MFR., MODEL NO.) | DATE OF LAST CALIBRATION | INSTRUMENT WAS CALIBRATED BY | | CHECK ONE: INSTRUMENT IS CALIBRATED | | | | | INSTRUMENT IS NOT CALI- BRATED (✓) |
|--------------------------------------|-----------------------------|------------------------------|--------------------------------------|--|----------------------------------|-----------------------------------|--------------------------------|----------------------------|---|
| | | YOUR ORGANIZATION (✓) | OTHER ORGANIZATION (GIVE NAME) | AT FIXED INTERVALS (✓) | BEFORE OR AFTER USE (✓) | BEFORE AND AFTER USE (✓) | ONLY AFTER REPAIR (✓) | ONLY WHEN NEW (✓) | |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |

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**

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

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 <input checked="" type="checkbox"/> 1/2 inch</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>IBM 3420 <input checked="" type="checkbox"/> Tape Mark</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>FW6007 ON TAPE G07NDC WITH:</p> <table style="width: 100%;"> <tr> <td>→ FW6007</td> <td>FW6013</td> <td>FW6018</td> </tr> <tr> <td>FW6008</td> <td>FW6014</td> <td>FW6019</td> </tr> <tr> <td>FW6011</td> <td>FW6016</td> <td>FW6027</td> </tr> </table> | → FW6007 | FW6013 | FW6018 | FW6008 | FW6014 | FW6019 | FW6011 | FW6016 | FW6027 |
| → FW6007 | FW6013 | FW6018 | | | | | | | | |
| FW6008 | FW6014 | FW6019 | | | | | | | | |
| FW6011 | FW6016 | FW6027 | | | | | | | | |
| <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>Lrecl=83 Blk size= 3735</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> | | | | | | | | | |

RECORD FORMAT DESCRIPTION

Ship and Aircraft Census Data - Location Record

RECORD NAME

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|----------------|---|------------|-------|----------------|---------------------------|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Always 033 |
| File ID | 4 | 6 | bytes | A6 | Identical for all records |
| Record Type | 10 | 1 | bytes | I1 | Always 1 |
| Station No | 11 | 5 | bytes | A5 | |
| Latitude - | | | | | Starting Position |
| Degrees | 16 | 2 | bytes | I2 | 33-73 degrees |
| Minutes | 18 | 2 | bytes | I2 | 0-59 minutes |
| Seconds | 20 | 2 | bytes | I2 | 0-59 seconds |
| Hemisphere | 22 | 1 | bytes | A1 | N hemisphere |
| Longitude - | | | | | Starting Position |
| Degrees | 23 | 3 | bytes | I3 | 118-180 degrees |
| Minutes | 26 | 2 | bytes | I2 | 0-59 minutes |
| Seconds | 28 | 2 | bytes | I2 | 0-59 seconds |
| Hemisphere | 30 | 1 | bytes | A1 | W hemisphere |
| Date - | | | | | Starting date GMT |
| Year | 31 | 2 | bytes | I2 | Last 2 digits |
| Month | 33 | 2 | bytes | I2 | 1-12 months |
| Day | 35 | 2 | bytes | I2 | 1-31 days |
| Time - | | | | | Starting time GMT |
| Hours | 37 | 2 | bytes | I2 | 0-23 hours |
| Minutes | 39 | 2 | bytes | I2 | 0-59 minutes |
| Latitude - | | | | | Ending Position |
| Degrees | 41 | 2 | bytes | I2 | 33-73 degrees |
| Minutes | 43 | 2 | bytes | I2 | 0-59 minutes |
| Seconds | 45 | 2 | bytes | I2 | 0-59 seconds |
| Hemisphere | 47 | 1 | bytes | A1 | N hemisphere |
| Longitude - | | | | | Ending Position |
| Degrees | 48 | 3 | bytes | I3 | 118-180 degrees |
| Minutes | 51 | 2 | bytes | I2 | 0-59 minutes |
| Seconds | 53 | 2 | bytes | I2 | 0-59 seconds |
| Hemisphere | 55 | 1 | bytes | A1 | W hemisphere |
| Elapsed Time | 56 | 2 | bytes | I2 | 0-30 whole minutes |
| Time Zone - | | | | | |
| Sign | 58 | 1 | bytes | A1 | + or - relative to GMT |
| Number | 59 | 2 | bytes | I2 | Zone 01-12 |
| Ship's Speed | 61 | 3 | bytes | I3 | Whole knots |
| Course Heading | 64 | 2 | bytes | I2 | 0-35 tens of degrees true |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Location (continued)

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------------------|---|------------|-------|----------------|-------------------------------------|
| | | NUMBER | UNITS | | |
| Height of Eyes Above Sea | 66 | 3 | bytes | I3 | Whole meters |
| Platform Type | 69 | 1 | bytes | A1 | NODC Platform Type Code |
| Sampling Technique | 70 | 1 | bytes | A2 | NODC Sampling Technique Code |
| Ship Activity | 71 | 1 | bytes | A1 | NODC Ship Activity Code |
| Photos Taken | 72 | 1 | bytes | A1 | NODC Collection Code |
| Width of Transect | 73 | 1 | bytes | A1 | NODC Zone Scheme Code |
| Angle of View | 74 | 1 | bytes | A1 | NODC Angle of View Code |
| Observation Conditions | 75 | 1 | bytes | A1 | NODC Observation Conditions Code |
| Distance Made Good | 76 | 4 | bytes | I4 | Kilometers to tenths |
| Watch Type | 80 | 1 | bytes | A1 | |
| Transect Width | 81 | 3 | bytes | I3 | Tens of meters |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Environment Record

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|----------------------------|---|------------|-------|----------------|--|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Always 033 |
| File ID | 4 | 6 | bytes | A6 | Identical for all records |
| Record Type | 10 | 1 | bytes | I1 | Always 2 |
| Station No | 11 | 5 | bytes | A5 | |
| Bottom Depth | 16 | 4 | bytes | I4 | Whole meters |
| Thermocline Depth | 20 | 3 | bytes | I3 | 0-100 meters |
| Sea Surface Temperature | 23 | 4 | bytes | I4 | -3 to +10 degrees to tenths Celsius |
| Salinity | 27 | 3 | bytes | I3 | 20 o/oo to 34 o/oo parts per thousand to tenths |
| Dry Bulb Temp | 30 | 4 | bytes | I4 | -20 to +30 degrees to tenths Celsius |
| Wet Bulb Temp | 34 | 4 | bytes | I4 | -20 to +30 degrees to tenths Celsius |
| Humidity | 38 | 2 | bytes | I2 | 00-99 percent |
| Barometric Pressure | 40 | 4 | bytes | I4 | 0.9600-1.0400 bars to tenths of millibars |
| Barometric Trend | 44 | 1 | bytes | A1 | + rising, - falling, 0 steady |
| Wind Direction | 45 | 2 | bytes | I2 | NOBC Direction Code (WMO Codes 0885 & 0877) |
| Wind Speed | 47 | 2 | bytes | I2 | 0-50 knots |
| Sea State | 49 | 1 | bytes | A1 | WMO Code 3700 |
| Swell Direction | 50 | 2 | bytes | I2 | NOBC Direction Code |
| Swell Height | 52 | 3 | bytes | I3 | 0-07.6 meters to tenths |
| Weather | 55 | 2 | bytes | A2 | WMO Code 4677 |
| Cloud Type | 57 | 1 | bytes | A1 | WMO Code 0500 |
| Cloud Amount | 58 | 1 | bytes | A1 | WMO Code 2700 |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Environment (continued)

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|----------------------------|---|------------|-------|----------------|---|
| | | NUMBER | UNITS | | |
| Water Color | 59 | 2 | bytes | A2 | NODC Water Color Code (Forel-Ule scale) |
| Visibility | 61 | 1 | bytes | A1 | WMO Code 4300 |
| Sun Direction | 62 | 1 | bytes | A1 | NODC Compass Direction Code |
| Glare Intensity | 63 | 1 | bytes | A1 | NODC Glare Intensity Code |
| Glare Area | 64 | 1 | bytes | A1 | NODC Glare Area Code |
| Lisht Level | 65 | 3 | bytes | I3 | Tens of Foot-candles |
| Moon Phase | 68 | 1 | bytes | A1 | NODC Moon Phase Code |
| Tide Height | 69 | 1 | bytes | A1 | NODC Tide Height Code |
| Tide Cycle | 70 | 1 | bytes | A1 | + rising, - falling, 0 slack water |
| Distance to Shore | 71 | 4 | bytes | I4 | Whole nautical miles |
| Distance to Shelf break | 75 | 3 | bytes | I3 | Whole nautical miles |
| SECCHI Depth | 78 | 2 | bytes | I2 | Whole meters |
| Debris Code | 80 | 1 | bytes | A1 | NODC Debris Code (for non- bird associated debris) |
| Blank | 81 | 3 | bytes | X3 | |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Ice Record

| 14. FIELD NAME | 15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-------------------------|--|------------|-------|----------------|---------------------------|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Always 033 |
| File ID | 4 | 6 | bytes | A6 | Identical for all records |
| Record Type | 10 | 1 | bytes | I1 | Always 3 |
| Station No | 11 | 5 | bytes | A5 | |
| Ice In Transect | | | | | |
| Cover | 16 | 1 | bytes | A1 | WMO Code 0547 |
| Type | 17 | 1 | bytes | A1 | WMO Code 3763 |
| Form | 18 | 1 | bytes | A1 | WMO Code 1147 |
| Relief | 19 | 1 | bytes | A1 | WMO Code 3962 |
| Thick | 20 | 1 | bytes | A1 | WMO Code 4006 |
| Melt | 21 | 1 | bytes | A1 | WMO Code 2650 |
| Ice Outside Transect | | | | | |
| Cover | 22 | 1 | bytes | A1 | WMO Code 0547 |
| Type | 23 | 1 | bytes | A1 | WMO Code 3763 |
| Form | 24 | 1 | bytes | A1 | WMO Code 1147 |
| Relief | 25 | 1 | bytes | A1 | WMO Code 3962 |
| Thick | 26 | 1 | bytes | A1 | WMO Code 4006 |
| Melt | 27 | 1 | bytes | A1 | WMO Code 2650 |
| Open Water | | | | | |
| Type | 28 | 1 | bytes | A1 | WMO Code 4552 |
| Direction | 29 | 1 | bytes | A1 | WMO Code 0739 |
| Distance | 30 | 1 | bytes | A1 | WMO Code 3600 |
| Lead/Polygons | 31 | 1 | bytes | A1 | WMO Code 4300 |
| Visible Ice | | | | | |
| Description | 32 | 1 | bytes | A1 | WMO Code 0663 |
| Direction | 33 | 1 | bytes | A1 | WMO Code 0739 |
| Distance | 34 | 1 | bytes | A1 | WMO Code 3600 |
| Miscellaneous | | | | | |
| Arctic Cod Excess | 35 | 1 | bytes | A1 | NODC Collection Code |
| Sediment | 36 | 1 | bytes | A1 | NODC Collection Code |
| Ice Algae | 37 | 1 | bytes | A1 | NODC Collection Code |
| Mammal Trace | 38 | 1 | bytes | A1 | NODC Mammal Trace Code |
| Other Features | 39 | 1 | bytes | A1 | NODC Mammal Trace Code |
| Ice Pattern | | | | | |
| In Transect | 40 | 1 | bytes | A1 | 1-Regular, 2-Clumped |
| Outside Trans | 41 | 1 | bytes | A1 | 1-Regular, 2-Clumped |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Ice (continued)

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|--|---|------------|-------|----------------|--|
| | | NUMBER | UNITS | | |
| Ship in Lead or Polynya Location | 42 | 1 | bytes | A1 | 1-Lead, 2-Polynya, 3-Indeterminable |
| Width | 43 | 1 | bytes | A1 | WMO Code 4300 |
| Distance | 44 | 1 | bytes | A1 | WMO Code 4300 |
| Time of Ice Conditions | 45 | 2 | bytes | I2 | Whole minutes from start time to observation time, must increase for a station |
| Water vs Land % Covered | 47 | 2 | bytes | I2 | 00-99 Percent |
| Pond Size | 49 | 1 | bytes | A1 | NODC Size of Pond Code |
| Open Water Ice Description | 50 | 1 | bytes | A1 | WMO Code 1147 |
| Cover | 51 | 1 | bytes | A1 | WMO Code 0547 |
| Blank | 52 | 26 | bytes | X26 | |
| Sequence Number | 78 | 3 | bytes | I3 | Ascending numeric |
| Blank | 81 | 3 | bytes | X3 | |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Text Record

| 14. FIELD NAME | 15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------|--|------------|-------|----------------|---------------------------|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Always 033 |
| File ID | 4 | 6 | bytes | A6 | Identical for all records |
| Record Type | 10 | 1 | bytes | I1 | Always 4 |
| Station No | 11 | 5 | bytes | A5 | |
| Text | 16 | 62 | bytes | A62 | |
| Sequence Number | 78 | 3 | bytes | I3 | Ascending Numeric |
| Blank | 81 | 3 | bytes | X3 | |

RECORD FORMAT DESCRIPTION

Ship and Aircraft Census Data - Data Record

RECORD NAME

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|--------------------------|---|------------|-------|----------------|---|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | Always 033 |
| File ID | 4 | 6 | bytes | A6 | Identical for all records |
| Record Type | 10 | 1 | bytes | I1 | Always 5 |
| Station No | 11 | 5 | bytes | A5 | |
| Time into Transect | 16 | 2 | bytes | I2 | Whole minutes from start time to observation time |
| Taxonomic Code | 18 | 12 | bytes | I12 | Class 88-92, ends with paired trailing blanks |
| Species Group | 30 | 2 | bytes | I2 | |
| Age | 32 | 1 | bytes | A1 | NODC Age Class Group Code |
| Sex | 33 | 1 | bytes | A1 | NODC Sex Code |
| Color | 34 | 1 | bytes | A1 | NODC Color Phase Code |
| Plumage | 35 | 1 | bytes | A1 | NODC Plumage Code |
| Molt | 36 | 1 | bytes | A1 | NODC Molt Code |
| Number of Individuals | 37 | 5 | bytes | I5 | Whole number, must not be omitted |
| Counting Method | 42 | 1 | bytes | A1 | NODC Counting Method Code |
| Reliability | 43 | 1 | bytes | A1 | NODC Reliability Code |
| Distance Measure Type | 44 | 1 | bytes | A1 | NODC Distance Measurement Type Code |
| Distance to Birds | 45 | 3 | bytes | I3 | Tens of meters |
| Direction of Flight | 48 | 2 | bytes | I2 | 00-35 Tens of degrees |
| Association | 50 | 1 | bytes | A1 | NODC Type of Assoc Code |
| Linkage | 51 | 3 | bytes | I3 | Sequence number of multi- species group in station |
| Species Number | 54 | 2 | bytes | I2 | Number of species linked |
| Behavior | 56 | 2 | bytes | A2 | NODC Behavior Code |
| Special Marks | 58 | 1 | bytes | A1 | NODC Special Marks Code |
| Bird Condition | 59 | 1 | bytes | A1 | NODC Bird Condition Code |

RECORD FORMAT DESCRIPTION

RECORD NAME Ship and Aircraft Census Data - Data (continued)

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-------------------------------|---|------------|-------|----------------|---|
| | | NUMBER | UNITS | | |
| Food Source | 60 | 1 | bytes | A1 | NODC Food Source Association Code |
| Tax Code of Food | 61 | 10 | bytes | I10 | |
| Debris | 71 | 1 | bytes | A1 | NODC Debris code |
| Oil | 72 | 1 | bytes | A1 | NODC Oil Code |
| Distance from Breed Colony | 73 | 3 | bytes | I3 | Nautical miles |
| Habitat | 76 | 2 | bytes | 2A1 | NODC Habitat Code, may code 2, left to right |
| Sequence Number | 78 | 3 | bytes | I3 | Ascending numeric |
| Substrate | 81 | 1 | bytes | A1 | NODC Substrate Code |
| Cover | 82 | 1 | bytes | A1 | NODC Cover Code |
| Outside Zone | 83 | 1 | bytes | A1 | NODC Outside Zone Code |

DATA DOCUMENTATION FORM

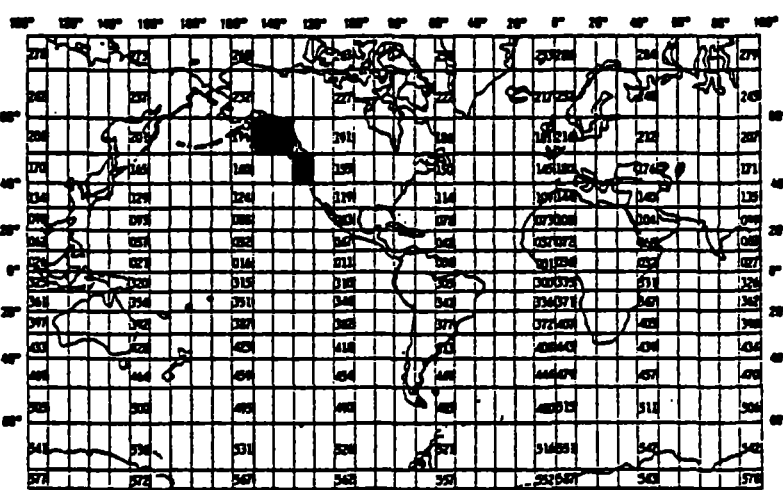
TR 3852

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | | | | | | | | | |
|--|---|--|----------|----------|-----|-----|---|-------------------|-----------------|------------|-------------|
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6008 | | | | | | | | | |
| 4. PLATFORM NAME(S) NOAA R/V Surveyor. | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td></tr></tbody></table> | PLATFORM | OPERATOR | USA | USA | 7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>3 - 9 - 76</td><td>3 - 12 - 76</td></tr></tbody></table> | FROM: MO, DAY, YR | TO: MO, DAY, YR | 3 - 9 - 76 | 3 - 12 - 76 |
| PLATFORM | OPERATOR | | | | | | | | | | |
| USA | USA | | | | | | | | | | |
| FROM: MO, DAY, YR | TO: MO, DAY, YR | | | | | | | | | | |
| 3 - 9 - 76 | 3 - 12 - 76 | | | | | | | | | | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | | | | | | | | | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | | | | | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade . | Temp. gage at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd, Anchorage, Alaska, 99503

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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>337 033 FW6008 SURVEYOR 76-03-08 76-03-26 LENSINK 9TRK, 800BPI, ODD, EBCDIC</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 356 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>83</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> |

B. SCIENTIFIC CONTENT

| NAME OF DATA FIELD | REPORTING UNITS OR CODE | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

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 <input checked="" type="checkbox"/> 1/2 inch</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 <input type="checkbox"/> OCTAL 17</p> <p style="text-align: center;">IBM 3420 <input checked="" type="checkbox"/> Tape Mark</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>FW6008 ON TAPE G61NDC WITH:</p> <table style="width: 100%;"> <tr> <td>FW6007</td> <td>FW6013</td> <td>FW6018</td> </tr> <tr> <td>→FW6008</td> <td>FW6014</td> <td>FW6019</td> </tr> <tr> <td>FW6011</td> <td>FW6016</td> <td>FW6027</td> </tr> </table> | FW6007 | FW6013 | FW6018 | →FW6008 | FW6014 | FW6019 | FW6011 | FW6016 | FW6027 |
| FW6007 | FW6013 | FW6018 | | | | | | | | |
| →FW6008 | FW6014 | FW6019 | | | | | | | | |
| FW6011 | FW6016 | FW6027 | | | | | | | | |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">Lrecl=83 Blk size= 3135</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> | | | | | | | | | |

DATA DOCUMENTATION FORM

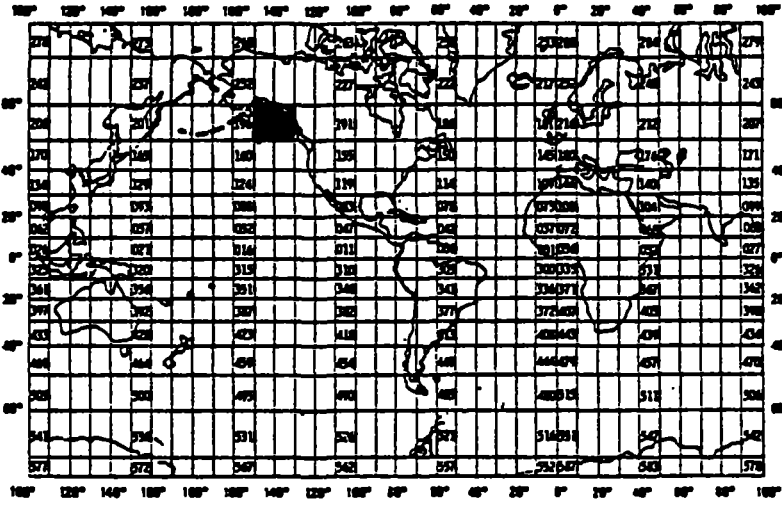
TR 3853

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | | | | | | | | | |
|--|---|--|----------|----------|-----|-----|--|-----------------|---------------|---------|---------|
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6011 | | | | | | | | | |
| 4. PLATFORM NAME(S) NOAA R/V Discoverer | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td></tr></tbody></table> | PLATFORM | OPERATOR | USA | USA | 7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>3-16-76</td><td>3-29-76</td></tr></tbody></table> | FROM: MO/DAY/YR | TO: MO/DAY/YR | 3-16-76 | 3-29-76 |
| PLATFORM | OPERATOR | | | | | | | | | | |
| USA | USA | | | | | | | | | | |
| FROM: MO/DAY/YR | TO: MO/DAY/YR | | | | | | | | | | |
| 3-16-76 | 3-29-76 | | | | | | | | | | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA | | | | | | | | | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | | | | | | | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade . | Temp. gage at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd., Anchorage, Alaska, 99503

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--|--|
| 5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ | 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____ |
| 6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ | 10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____ |
| 7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) OCSEAP - USFWS/OBSCE 337 033 - FW6011 NOAA RV Discoverer 76/3/16 - 76/3/29 LENSINK 9TRK, 800BPI, ODD, EBCDIC NON LABELED-IBM UTILITY B |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____ | 12. PHYSICAL BLOCK LENGTH IN BYTES 83 13. LENGTH OF BYTES IN BITS 8 |

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 |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

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 <input checked="" type="checkbox"/> 1/2 inch</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 <input type="checkbox"/> OCTAL 17</p> <p style="text-align: center;">IBM 3420 <input checked="" type="checkbox"/> Tape Mark</p> | | | | | | | | | |
| <p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">FW6011 ON TAPE GOTNDC WITH</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>FW6007</td> <td>FW6013</td> <td>FW6018</td> </tr> <tr> <td>FW6008</td> <td>FW6014</td> <td>FW6019</td> </tr> <tr> <td>→FW6011</td> <td>FW6016</td> <td>FW6027</td> </tr> </table> | FW6007 | FW6013 | FW6018 | FW6008 | FW6014 | FW6019 | →FW6011 | FW6016 | FW6027 |
| FW6007 | FW6013 | FW6018 | | | | | | | | |
| FW6008 | FW6014 | FW6019 | | | | | | | | |
| →FW6011 | FW6016 | FW6027 | | | | | | | | |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">Lrecl=83 Blk size= 3735</p> | | | | | | | | | |
| | <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> | | | | | | | | | |

DATA DOCUMENTATION FORM

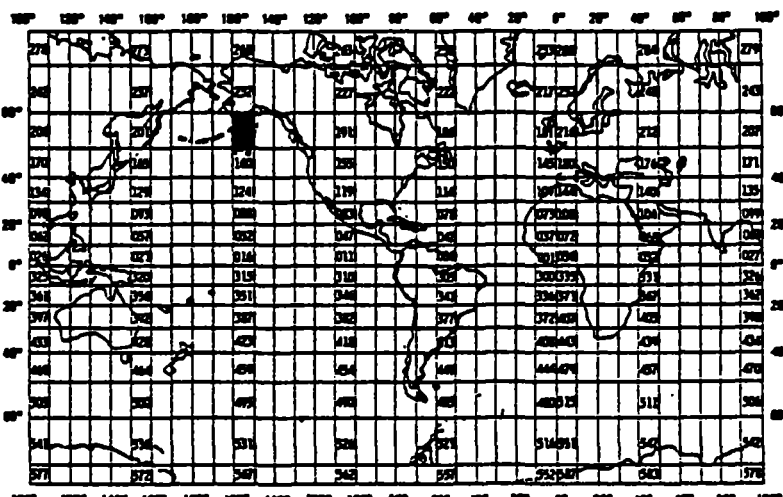
TR3854

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | | | | | | | | | |
|--|---|--|----------|----------|-----|-----|--|-------------------|-----------------|---------|---------|
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6013 | | | | | | | | | |
| 4. PLATFORM NAME(S) NOAA R/V MOANA WAVE | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td></tr></tbody></table> | PLATFORM | OPERATOR | USA | USA | 7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>3-30-76</td><td>4-13-76</td></tr></tbody></table> | FROM: MO, DAY, YR | TO: MO, DAY, YR | 3-30-76 | 4-13-76 |
| PLATFORM | OPERATOR | | | | | | | | | | |
| USA | USA | | | | | | | | | | |
| FROM: MO, DAY, YR | TO: MO, DAY, YR | | | | | | | | | | |
| 3-30-76 | 4-13-76 | | | | | | | | | | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | | | | | | | | | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | | | | | | | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade. | Temp. gage at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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 |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd. Anchorage, Alaska, 99503

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>OCSEAP - USFWS/OBSCE</p> <p>337 033 - FW6013</p> <p>UH RV Moana Wave</p> <p>76/3/30 - 76/4/13 LENSINK</p> <p>9TRK, 800BPI, ODD, EBCDIC</p> <p>NON LABELED-IBM UTILITY B</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</p> <p>83</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--|--|
| 5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ | 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> 1/2 inch |
| 6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ | 10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 IBM 3420 <input checked="" type="checkbox"/> Tape Mark |
| 7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) FW6013 ON TAPE GROUNDE WITH FW6007 → FW6013 FW6018 FW6008 FW6014 FW6019 FW6011 FW6016 FW6027 |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____ | 12. PHYSICAL BLOCK LENGTH IN BYTES Lrecl=83 Blk size= 3735 13. LENGTH OF BYTES IN BITS 8 |

DATA DOCUMENTATION FORM

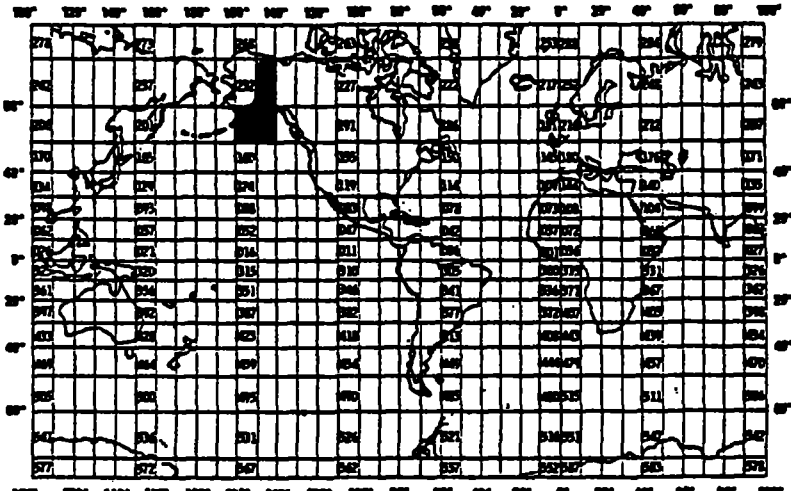
TR 3855

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | | | | | | | | | |
|--|---|--|----------|----------|-----|-----|--|-------------------|-----------------|---------|---------|
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6014 | | | | | | | | | |
| 4. PLATFORM NAME(S) P 2V | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Aircraft | 6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td></tr></tbody></table> | PLATFORM | OPERATOR | USA | USA | 7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>3-29-76</td><td>3-30-76</td></tr></tbody></table> | FROM: MO, DAY, YR | TO: MO, DAY, YR | 3-29-76 | 3-30-76 |
| PLATFORM | OPERATOR | | | | | | | | | | |
| USA | USA | | | | | | | | | | |
| FROM: MO, DAY, YR | TO: MO, DAY, YR | | | | | | | | | | |
| 3-29-76 | 3-30-76 | | | | | | | | | | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | | | | | | | | | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | | | | | | | | | |

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 |
|----------------------------|-----------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemis. | GNS 500 (VLF output) | N/A | N/A |
| Date - Time | Year, Month, Day, Hour, Minute | Always GMT | N/A | N/A |
| End Latitude & Longitude | Degrees, Minutes, Seconds, Hemis. | GNS 500 (VLF output) | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots | GNS 500 (VLF output) | N/A | N/A |
| Course | 10's of degrees true made good | Compass | N/A | N/A |
| Height | Whole Meters | Radio altimeter | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on clinometer and trigonometry | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic Codes | 1977 Version | N/A | N/A |
| Number | Number of individual organisms | Observation | N/A | N/A |
| Linkage | 033 Codes | N/A | N/A | N/A |
| Outside Zone | 033 Codes | N/A | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd. Anchorage, Alaska, 99503

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>OCSEAP - USFWS/OBSCE</p> <p>337 033 - FW6014</p> <p>P2V</p> <p>76/3/29 - 76/3/30 LENSINK</p> <p>9TRK, 800BPI, ODD, EBCDIC</p> <p>NON LABELED-IBM UTILITY B</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</p> <p>83</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> |

RECORD FORMAT DESCRIPTION

ORD NAME Location - Ship and Aircraft Census

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., Min, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|-----------------------|---|------------|-------|----------------|--|
| | | NUMBER | UNITS | | |
| File Type | 1 | 3 | bytes | A3 | "Always 033" |
| File Identifier | 4 | 6 | bytes | A6 | |
| Record Type | 10 | 1 | bytes | I1 | "Always 1" |
| Station Number | 11 | 5 | bytes | A5 | 4th byte coded for ship type 5th byte coded for transect type |
| Latitude, Degrees | 16 | 2 | bytes | I2 | Starting Position |
| Minutes | 18 | 2 | bytes | I2 | " " |
| Seconds | 20 | 2 | bytes | I2 | " " |
| Hemisphere | 22 | 1 | bytes | A1 | "N" or "S" |
| Longitude, Degrees | 23 | 3 | bytes | I3 | Starting Position |
| Minutes | 26 | 2 | bytes | I2 | " " |
| Seconds | 28 | 2 | bytes | I2 | " " |
| Hemisphere | 30 | 1 | bytes | A1 | "E" or "W" |
| Year | 31 | 2 | bytes | I2 | Last two digits of year = Starting Time GMT |
| Month | 33 | 2 | bytes | I2 | " " " |
| Day | 35 | 2 | bytes | I2 | " " " |
| Hour | 37 | 2 | bytes | I2 | " " " |
| Minute | 39 | 2 | bytes | I2 | " " " |
| Latitude, Degrees | 41 | 2 | bytes | I2 | Ending... Position |
| Minutes | 43 | 2 | bytes | I2 | " " |
| Seconds | 45 | 2 | bytes | I2 | " " |
| Hemisphere | 47 | 1 | bytes | A1 | "N" or "S" |
| Longitude, Degrees | 48 | 3 | bytes | I3 | Ending Position |
| Minutes | 51 | 2 | bytes | I2 | " " |
| Seconds | 53 | 2 | bytes | I2 | " " |
| Hemisphere | 55 | 1 | bytes | A1 | "E" or "W" |
| Time Zone | 58 | 1 | byte | A1 | "+" or "-" |
| Time Zone | 59 | 2 | bytes | A2 | 01-12 |
| Speed Made Good | 61 | 3 | bytes | I3 | in whole knots |
| Course Made Good | 64 | 2 | bytes | I2 | tens of degrees true |

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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

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 checked="" type="checkbox"/> 1/2 inch</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 <input type="checkbox"/> OCTAL 17</p> <p>IBM 3420 <input checked="" type="checkbox"/> Tape Mark</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>FW6014 ON TAPE 607NDC WITH</p> <table border="0"> <tr> <td>FW6007</td> <td>FW6013</td> <td>FW6018</td> </tr> <tr> <td>FW6008</td> <td>→ FW6014</td> <td>FW6019</td> </tr> <tr> <td>FW6011</td> <td>FW6016</td> <td>FW6027</td> </tr> </table> | FW6007 | FW6013 | FW6018 | FW6008 | → FW6014 | FW6019 | FW6011 | FW6016 | FW6027 |
| FW6007 | FW6013 | FW6018 | | | | | | | | |
| FW6008 | → FW6014 | FW6019 | | | | | | | | |
| FW6011 | FW6016 | FW6027 | | | | | | | | |
| <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>Lrec1=83 Blk size= 3735</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> | | | | | | | | | |

DATA DOCUMENTATION FORM

TR 3856

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6016 | |
| 4. PLATFORM NAME(S) NOAA R/V Discoverer | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA | 7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 4-6-76 4-13-76 |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade. | Temp. gage at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | MONC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd. Anchorage, Alaska, 99503

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 <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>OCSEAP - USFWS/OBSCE</p> <p>337 033 - FW6016</p> <p>NOAA RV Discoverer</p> <p>76/4/6 - 76/4/13 LENSINK</p> <p>9TRK, 800BPI, ODD, EBCDIC</p> <p>NON LABELED-IBM UTILITY B</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</p> <p>83</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> |

B. SCIENTIFIC CONTENT

| NAME OF DATA FIELD | REPORTING UNITS OR CODE | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

3. ATTRIBUTES AS EXPRESSED IN

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--|--|
| 5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ | 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> 1/2 inch |
| 6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ | 10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <div style="text-align: center;">IBM 3420 <input checked="" type="checkbox"/> Tape Mark</div> |
| 7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <div style="text-align: center;"> FW6016 ON TAPE GO7NDC WITH FW6007 FW6013 FW6018 FW6008 FW6014 FW6019 FW6011 → FW6016 FW6027. </div> |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____ | 12. PHYSICAL BLOCK LENGTH IN BYTES Lrcl=83 Blk size= 3735 |
| | 13. LENGTH OF BYTES IN BITS <div style="text-align: center;">8</div> |

DATA DOCUMENTATION FORM

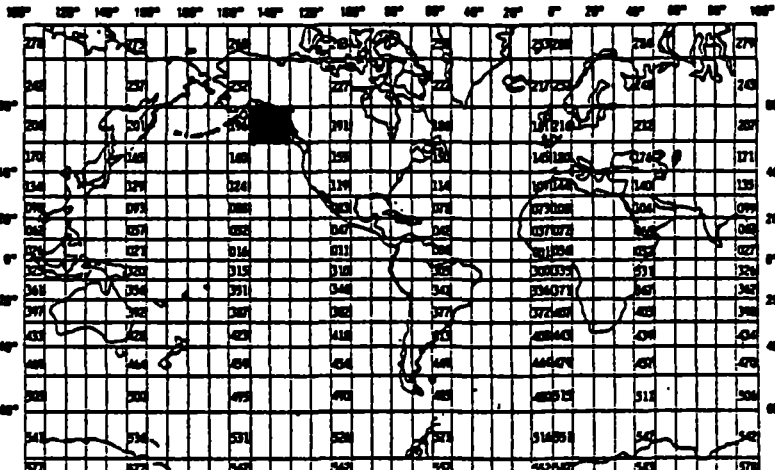
TR3857

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

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| 1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6018 | |
| 4. PLATFORM NAME(S) NOAA R/V Discoverer | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA | 7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 4/16/76 4/29/76 |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | |
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|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade | Temp. gage at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

C. DATA FORMAT

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

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Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd. Anchorage, Alaska, 99503

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> |
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| <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>337 033 FW6018</p> <p>DISCO</p> <p>76-04-10 76-04-26 LENSINK</p> <p>9TRK, 800BPI, ODD, EBCDIC</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</p> <p>83</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> |

B. SCIENTIFIC CONTENT

| NAME OF DATA FIELD | REPORTING UNITS OR CODE | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING, AND AVERAGING |
|--------------------|--------------------------------|--|--|--|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

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 <input checked="" type="checkbox"/> 1/2 inch</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 <input type="checkbox"/> OCTAL 17</p> <p>IBM 3420 <input checked="" type="checkbox"/> Tape Mark</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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">FW6018 ON TAPE GO7NDE WITH</p> <table style="width: 100%; text-align: center;"> <tr> <td>FW6007</td> <td>FW6013</td> <td>→ FW6018</td> </tr> <tr> <td>FW6008</td> <td>FW6014</td> <td>FW6019</td> </tr> <tr> <td>FW6011</td> <td>FW6016</td> <td>FW6027</td> </tr> </table> | FW6007 | FW6013 | → FW6018 | FW6008 | FW6014 | FW6019 | FW6011 | FW6016 | FW6027 |
| FW6007 | FW6013 | → FW6018 | | | | | | | | |
| FW6008 | FW6014 | FW6019 | | | | | | | | |
| FW6011 | FW6016 | FW6027 | | | | | | | | |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">Lrecl=83 Blk size= 3735</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> | | | | | | | | | |

DATA DOCUMENTATION FORM

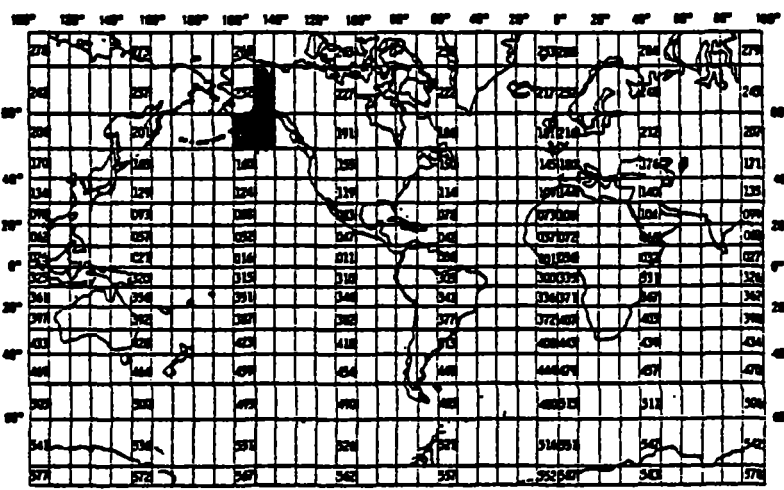
TR3858

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW 6019 | |
| 4. PLATFORM NAME(S) NOAA R/V UH MOANA Wave | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA | 7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 4-19-76 5-1-76 |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade. | Temp. gage, at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NOEC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd, Anchorage, Alaska, 99503

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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>337 033 FW6019</p> <p>MOANA WAVE 003</p> <p>76-04-19 76-05-21 LENSINK</p> <p>9TRK, 800BPI, ODD, EBCDIC</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</p> <p>83</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> |

B. SCIENTIFIC CONTENT

| NAME OF DATA FIELD | REPORTING UNITS OR CODE | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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**

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

3. ATTRIBUTES AS EXPRESSED IN

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--|---|
| <p>5. RECORDING MODE</p> <p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____ </p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> 1/2 inch</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____ </p> | <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 IBM 3420 <input checked="" type="checkbox"/> Tape Mark</p> |
| <p>7. PARITY</p> <p> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN </p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">FW6019 ON TAPE G01NDC WITH:</p> <p style="text-align: center;"> FW6007 FW6013 FW6018 FW6008 FW6014 → FW6019 FW6011 FW6016 FW6027. </p> |
| <p>8. DENSITY</p> <p> <input type="checkbox"/> 200 SPI <input checked="" type="checkbox"/> 1600 SPI <input type="checkbox"/> 536 SPI <input type="checkbox"/> 800 SPI <input type="checkbox"/> _____ </p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">Lrcl=83 Blk size= 3735</p> |
| | <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> |

DATA DOCUMENTATION FORM

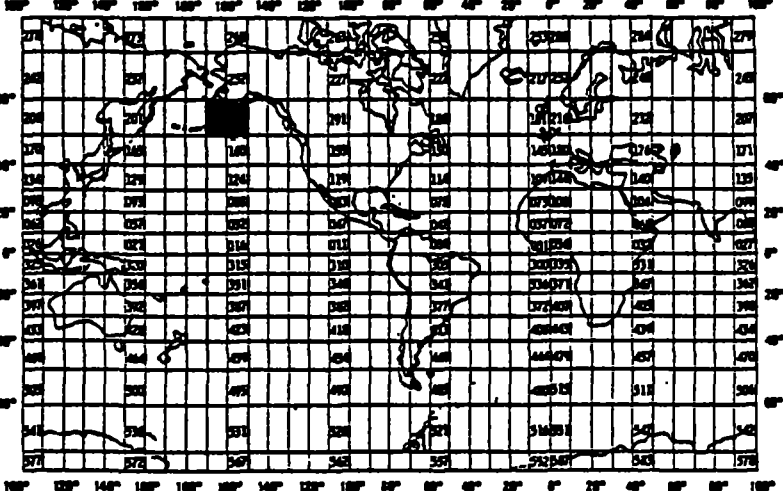
TR3859

NOAA FORM 24-13
(4-73)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503 | | | | | | | | | | | |
|--|---|--|----------|----------|-----|-----|---|-------------------|-----------------|---------|--------|
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP RU - 337 | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FW6027 | | | | | | | | | |
| 4. PLATFORM NAME(S) MV Nordic Prince | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td></tr></tbody></table> | PLATFORM | OPERATOR | USA | USA | 7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>5-22-76</td><td>6-8-76</td></tr></tbody></table> | FROM: MO, DAY, YR | TO: MO, DAY, YR | 5-22-76 | 6-8-76 |
| PLATFORM | OPERATOR | | | | | | | | | | |
| USA | USA | | | | | | | | | | |
| FROM: MO, DAY, YR | TO: MO, DAY, YR | | | | | | | | | | |
| 5-22-76 | 6-8-76 | | | | | | | | | | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA  | | | | | | | | | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800 | | | | | | | | | | | |

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 |
|----------------------------|-------------------------------------|--|--|---|
| Station Type | N/A | See Attached Codes | N/A | N/A |
| Start Latitude & Longitude | Degrees, Minutes, Seconds, Hemisph. | Combined Radar Fixes and Depth Charts | N/A | N/A |
| Date - Time | Year, Month, Day Hour, Minute | Always GMT | N/A | N/A |
| Elapsed Time | Minutes | N/A | N/A | N/A |
| Time Zone | International Standard | N/A | N/A | N/A |
| Speed | Knots made good | Derived from plotted positions | N/A | N/A |
| Course | 10's of degrees true made good | Derived from plotted positions | N/A | N/A |
| Height | Whole meters | Measured with steel Tape | N/A | N/A |
| Obs. Conditions | 033 code | Observers opinion of all factors influencing observations - subjective | N/A | N/A |
| Transect Width | 10's of meters | Estimated, based on periodic checks with a range finder. | N/A | N/A |
| Depth | meters | Fathometer and Charts | N/A | N/A |
| Surface Temp. | tenths of degrees centigrade. | Temp. gage; at ships intake | N/A | N/A |
| Sea State | WMO 3700 codes | Observation | N/A | N/A |
| Weather | WMO 4677 codes selected | Observation - see attached list of selected codes | N/A | N/A |
| Taxonomic Code | NODC Taxonomic codes | 1977 version | N/A | N/A |
| Age | 033 codes | Observation | N/A | N/A |
| Sex | 033 Codes | Observation | N/A | N/A |
| Color Phase | 033 Codes | Observation | N/A | N/A |

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

Type 1 = Location

Type 2 = Environment

Type 4 = Text

Type 5 = Data

These are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File organized by Station Number (Record Type 1, Bytes 11-13)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Robert L. Blanscett 907-276-3800

ADDRESS U.S.F.&W.S., OBS-CE, 1011 E. Tudor Rd, Anchorage, Alaska, 99503

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>337 033 FW6027</p> <p>NORDIC PRINCE</p> <p>76-10-07 - - LENSINK</p> <p>9TRK, 800BPI, ODD, EBCDIC</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</p> <p>83</p> | |
| <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p> | |

B. SCIENTIFIC CONTENT

| NAME OF DATA FIELD | REPORTING UNITS OR CODE | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING |
|--------------------|--------------------------------|--|--|---|
| Number | Number of individual organisms | Binoculars | N/A | N/A |
| Flight Direction | 10's of degrees true | Observation | N/A | N/A |
| Linkage | 033 codes | N/A | N/A | N/A |
| Behavior | Selected 033 codes | See attached list of Selected codes | N/A | N/A |
| Outside Zone | 033 codes | N/A | N/A | N/A |

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

Record Type is coded in column 10 of each record as follows:

- 1 - Location
- 2 - Environment
- 3 - Ice Record
- 4 - Text Comments
- 5 - Data Observations

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Station Number in Columns 11-15 of each record. Each Station contains one Type 1 card; one Type 2 card; zero to several Type 3 cards; and one to several Type 5 cards (one for each observation at that station).

3. ATTRIBUTES AS EXPRESSED IN

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Data Projects Group (401)792-2320

ADDRESS 333 Pastore Hall, University of Rhode Island, Kingston, RI 02881

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 <input checked="" type="checkbox"/> 1/2 INCH</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>IBM 3420 <input checked="" type="checkbox"/> Tape Mark</p> | | | | | | | | | |
| <p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">FW6027 ON TAPE GOT NDE WITH:</p> <table style="width: 100%;"> <tr> <td>FW6007</td> <td>FW6013</td> <td>FW6018</td> </tr> <tr> <td>FW6008</td> <td>FW6014</td> <td>FW6019</td> </tr> <tr> <td>FW6011</td> <td>FW6016</td> <td>→ FW6027</td> </tr> </table> | FW6007 | FW6013 | FW6018 | FW6008 | FW6014 | FW6019 | FW6011 | FW6016 | → FW6027 |
| FW6007 | FW6013 | FW6018 | | | | | | | | |
| FW6008 | FW6014 | FW6019 | | | | | | | | |
| FW6011 | FW6016 | → FW6027 | | | | | | | | |
| <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>Lrec1=83 Blk size= 3735</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> | | | | | | | | | |

Error Correction Documentation Form

ps 337
(NO)

DATE: 1-22-79

TO:

FROM: D781

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0046

- 1) File Type: 033
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR3851 - 3859

I. Error Corrections as reported to Principal Investigator:

Error
OLD TAX CODES

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: _____

RECORD FORMAT DESCRIPTION

RECORD NAME

OCSEAP

BIRDS

79-0046

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|--|--|------------|-------|--|---------------------|
| | | NUMBER | UNITS | | |
| TR 3851-3859 | | | | <p> ^{planned station} (1) TR 3853 203169 0 ADDED COL. 43 ^{Record 2 city 30-33} (2) TR 3854 single digit DRY BALL TEMP CHANGED to 2 digits ex. +6 to +06 ^{Record station} (3) TR 3857 100469 } COL 58 FROM A 4 to AT TR 3857 100569 TR 3857 103169 TR 3857 104069 TR 3857 104369 TR 3857 104469 7 to a + TR 3857 104569 4 to a + TR 3857 1 4969 4 to a + </p> | |
| (4) 880 2030407 to 8803020407 in TR 3857503369 8810010601 to 8810100601 in TR 3859513178. | | | | | |
| CODES <u>NOT</u> ^{KNOWN} CHANGED AS OF 2/7/79 <div style="float: right;"> ✓ code corrected see original ^{conversion} sheet </div> | | | | | |
| (5) 8803020040 in TR 3858 505569 (8 times) 88101 00030 in TR 3858 502969 (14 times) 8913060201 in TR 3855 502619 (1 time). | | | | | |
| (6) TR 3854 108369 DATE 760109 to 760409 | | | | | |

UMSL SYSTEMS SUPPORT UTILITIES - NON-STANDARD LABEL TAPE MAP

VOLUME=SER=NLTP9

DATE 79.009 TIME 12.52.38

G07NDC

01 RECFM=F LRECL=83
DATA SET CONTAINS 237 BLOCKS BLKSIZE 3735 DEN=3

END OF UTILITY - TAPE IS MAPPED

field operations

FW6007

FW6008

FW6011

FW6013

FW6014

FW6016

FW6018

FW6019

FW6027



University of Rhode Island, Kingston, R.I. 02881
Department of Chemistry, Pastore Chemical Laboratory, (401) 792-2318




January 10, 1979

Mr. John J. Audet
NOAA/OCSEAP Data Coordinator
NODC Page Building
2001 Wisconsin Avenue
Washington, D.C. 20235

Dear Jim:

Under separate cover, I am sending tape ~~Q07~~NDC, containing data for nine field operations from Dr. Calvin Lensink. All data is contained in one file and is arranged by field operation as follows:

FW6007
FW6008 
FW6011
FW6013
FW6014

FW6016
FW6018 
FW6019 
FW6027 

An updated Data Documentation Form is included for each field operation. Also included are a Tape Specification Form and a computer-generated tapemap.

Sincerely,

Nancy W. Clayton
Data Validation Manager

NWC:le

cc: Francesca Cava

TRANSMITTAL AND RECEIPT FORM

d
 d
 d
 dddd
 d d
 d d
 ddd
 PPP
 P P
 P P
 PPPP
 P
 P
 P
 sss
 s
 s
 sss
 s
 s
 sss

DATA PROJECTS GROUP
 333 Pastore Hall
 University of R.I.
 Kingston, RI 02881
 (401) 792-2320

Mailed --

Date: *January 12, 1979*
 By: *Nancy Clayton*
 To: *Jim Audet*

Description -- *tape G07NDC with data for 9 field operations
 from Dr. Calvin Lenzink*

Received --

Date:

By:

Please date, sign, and return. Thank you.

d
d
d
ddd
d d
d d
ddd

TAPE SPECIFICATION FORM

PPP sss
P P s s
P P s s
PPPP sssss
P s
P s s
P sss

DATA PROJECTS GROUP
333 Pastore Hall
University of R.I.
Kingston, RI 02881
(401) 792-2320

Tape Identification -- G07NDC

Recording Specifications --

| | |
|---------------------|----------------------------|
| Tracks: 9 | Tape Files: 1 |
| Density: 1600 bpi | Record Format: FIXED BLOCK |
| Parity: ODD | Record Length: 83 |
| Mode: EBCDIC | Block Size: 3735 |
| Label: NON-LABELLED | |

Data Specifications --

Received From: DR. CALVIN LENSINK
Coding Format: NODC
Data Set Names:

| File# | Name | File# | Name |
|-------|------|-------|------|
|-------|------|-------|------|

1 FILE, FIELD OPERATIONS IN FOLLOWING ORDER:

FW6007
FW6008
FW6011
FW6013
FW6014
FW6016
FW6018
FW6019
FW6027

```

      d
     d
    d
   d
  dddd
d   d   P   P   s   s
d   d   P   P   s   s
  ddd   PPPP   sssss
           P       s
           P       s
           P       sss

```

DATA PROJECTS GROUP
 333 Pastore Hall
 University of R.I.
 Kingston, RI 02881

This Data Documentation Form (DDF) is composed of two parts. The first contains tape specifications and record format descriptions provided by the originator cited in Section A.1. The data have subsequently been validated by the Data Projects Group. Range and relational checks, code group checks, plus relocation of fields, unit conversions, and final tape recording techniques used in this process are given in the second part. Resolution of data errors found during this process has been made through contact with the originator.

79-0046

Corrections Made to OCSEAP Data, File Type 033,
Subsequent to Submission to NODC
Reported Jun, 1979

Data from RU#337

Processed by RU#527

NODC Track Number TR3855

Original File ID FW6014

| STATION NUMBER | CARD TYPE | SEQUENCE NUMBER | FIELD ABBR | COLUMNS | FROM | TO |
|-------------------|--------------|--------------------|---------------|---------|------------|------------|
| 02619 | 5 | 002 | TAX | 18-29 | 8913060201 | 8913030201 |

Note: all dry bulb temperatures are 4 or 7 degrees; this is correct.

Corrections Made to OCSEAP Data, File Type 033,
Subsequent to Submission to NODC
Reported Jun, 1979

79-0046

Data from RU#337

Processed by RU#527

NODC Track Number TR3858

Original File ID FW6019

| STATION NUMBER | CARD TYPE | SEQUENCE NUMBER | FIELD ABBR | COLUMNS | FROM | TO |
|-------------------|--------------|--------------------|---------------|---------|------------|------------|
| 02969 | 5 | 002 | TAX | 18-29 | 8810100030 | 88101003 ✓ |
| 02969 | 5 | 003 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 004 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 005 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 006 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 007 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 008 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 009 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 010 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 012 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 013 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 014 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 015 | TAX | 18-29 | 8810100030 | 88101003 |
| 02969 | 5 | 016 | TAX | 18-29 | 8810100030 | 88101003 |
| 04869 | 5 | 014 | TIM | 16-17 | 0 | blank |
| 05569 | 5 | 001 | TAX | 18-29 | 8803020040 | 88030204 ✓ |
| 05569 | 5 | 002 | TAX | 18-29 | 8803020040 | 88030204 |
| 05569 | 5 | 003 | TAX | 18-29 | 8803020040 | 88030204 |
| 05569 | 5 | 004 | TAX | 18-29 | 8803020040 | 88030204 |
| 05569 | 5 | 005 | TAX | 18-29 | 8803020040 | 88030204 |
| 05569 | 5 | 006 | TAX | 18-29 | 8803020040 | 88030204 |
| 05569 | 5 | 007 | TAX | 18-29 | 8803020040 | 88030204 |
| 05569 | 5 | 008 | TAX | 18-29 | 8803020040 | 88030204 |

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0046

TR 3851-9

| TYPE OF TAPE | TAPE NUMBER | LABEL | LRECL | BLKSIZE | RECFM | REMARKS |
|--|-------------|-------|-------|---------|-------|--------------------------|
| ORIGINATOR | GØ7NDC | NL | 83 | 3735 | FB | |
| DUPLICATE | 002542 | NL | 83 | 4565 | FB | |
| REFORMATTED | | | | | | |
| 4K CORRECTED FIRST USER | øø8243 | SL | 83 | 4150 | FB | 9TK |
| UNCORRECTED FINAL USER | øøø462 | SL | 83 | 4150 | FB | 9TK |
| CORRECTED USER | 004002 | SL | 83 | 4150 | FB | 9 TRK DSN= TRK3851 |
| | | | | | | |
| | | | | | | |

Error Correction Documentation Form

DATE: 1-22-79

TO:

FROM: D781

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0046

- 1) File Type: 033
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR3851 - 3859

I. Error Corrections as reported to Principal Investigator:

| <u>Error</u> | <u>Correction Completed (Check)</u> |
|--|-------------------------------------|
| OLD TAX CODES | |
| have been corrected, per enclosed list. | |
| all corrections, John Anderson's and the lists from the originator have been made. | |
| checked 2/11/80 cm11t | |
| tax codes on tape 008243 are Alaskan. | |

II. Additional error corrections:

| <u>Error</u> | <u>Correction Completed (Check)</u> |
|--------------|-------------------------------------|
|--------------|-------------------------------------|

III. Processor Name: _____

RECORD FORMAT DESCRIPTION

RECORD NAME OCSEAP BIRDS 79-0046

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|---------------------------------------|--|--------------------|-------|---------------------|---------------------------|
| | | NUMBER | UNITS | | |
| TR 3851-3859 | | (1) TR 3853 203169 | | 0 | ADDED COL. 43 |
| | | (2) TR 3854 | | single digit | DRY BULB TEMP |
| | | | | CHANGED to 2 digits | EX. +6 to +06 |
| | | (3) TR 3857 100469 | | | } COL 58 FROM A 4 to AT |
| | | TR 3857 100569 | | | |
| | | TR 3857 103169 | | | |
| | | TR 3857 104069 | | | |
| | | TR 3857 104369 | | | |
| | | TR 3857 104469 | | 7 to a + | |
| | | TR 3857 104569 | | 4 to a + | |
| | | TR 3857 1 4969 | | 4 to a + | |
| (4) 880 2030407 to 8803020407 | | | | IN | TR 3857503369 |
| 8810010601 to 8810100601 | | | | IN | TR 3859513178 |
| CODES <u>NOT</u> CHANGED AS OF 2/7/79 | | | | | |
| (5) 8803020040 | | | | IN | TR 3858 505569 (8 times) |
| 88101 00030 | | | | IN | TR 3858 502969 (14 times) |
| 8913060201 | | | | IN | TR 38555 02619 (1 time) |
| (6) TR 38541 08369 | | | | DATE | 760109 to 760409 |

Data Set Route Sheet

Accession # 79-0046

| Step | Completion Date/Init. | Tape #, # of Files | BLKSIZE, LRECL |
|-------------------------------------|-----------------------|--------------------|----------------|
| 1. Originator Tape # | 1-16-79 JDO | Gd7NDC 9 | 3735 83 |
| 2. QUAD Duplicate Tape # | 1-19-79 JDO | 002542 9 | 4565 83 |
| 3. DDF Evaluation | | | |
| 4. Quality Review | | | |
| 5. Preliminary Data Sort | | | |
| 6. Preliminary Check | | | |
| 7. First User Tape # | | | |
| 8. Final User Tape # | | | |
| 9. Final Check | | | |
| 10. NAPIS Inventory | | | |
| 11. DIP Inventory | | | |
| 12. Data Set 'Finalized' | | | |

Password:

| accNo | fleA | refNo | proj | inst | ship | startDate | cruise | catId |
|---------|------|--------|------|------|------|------------|--------|--------|
| 7900046 | F033 | TR3851 | 0081 | 31V5 | 31DS | 1976/02/02 | FW6007 | 308869 |
| 7900046 | F033 | TR3852 | 0081 | 31V5 | 31SU | 1976/03/09 | FW6008 | 308870 |
| 7900046 | F033 | TR3853 | 0081 | 31V5 | 31DS | 1976/03/17 | FW6011 | 308871 |
| 7900046 | F033 | TR3854 | 0081 | 31V5 | 32MW | 1976/01/06 | FW6013 | 308872 |
| 7900046 | F033 | TR3855 | 0081 | 31V5 | 3191 | 1976/03/29 | FW6014 | 308873 |
| 7900046 | F033 | TR3856 | 0081 | 31V5 | 31DS | 1976/04/07 | FW6016 | 308874 |
| 7900046 | F033 | TR3857 | 0081 | 31V5 | 31DS | 1976/04/14 | FW6018 | 308875 |
| 7900046 | F033 | TR3858 | 0081 | 31V5 | 32MW | 1976/04/01 | FW6019 | 308876 |
| 7900046 | F033 | TR3859 | 0081 | 31V5 | 32N3 | 1976/05/22 | FW6027 | 308877 |

(9 rows affected)

Password:

| accNo | fleA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---------|------|--------|------|--------|--------|-----------|----------|
| 7900046 | F033 | TR3851 | 31DS | 227 | 1219 | 76/02/02 | 76/03/11 |
| 7900046 | F033 | TR3852 | 31SU | 50 | 348 | 76/03/09 | 76/03/13 |
| 7900046 | F033 | TR3853 | 31DS | 136 | 657 | 76/03/17 | 76/03/30 |
| 7900046 | F033 | TR3854 | 32MW | 227 | 1193 | 76/01/06 | 76/05/01 |
| 7900046 | F033 | TR3855 | 3191 | 171 | 668 | 76/03/29 | 76/03/30 |
| 7900046 | F033 | TR3856 | 31DS | 91 | 685 | 76/04/07 | 76/04/13 |
| 7900046 | F033 | TR3857 | 31DS | 64 | 478 | 76/04/14 | 76/04/30 |
| 7900046 | F033 | TR3858 | 32MW | 205 | 3374 | 76/04/01 | 76/07/28 |
| 7900046 | F033 | TR3859 | 32N3 | 131 | 2037 | 76/05/22 | 76/06/08 |

(9 rows affected)