

DATA DOCUMENTATION FORM

TR 3851

DDF A:2:13

NOAA FORM 24-13 (72)

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

FORM APPROVED
O.M.B. No. 41-R2631

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

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>OCSEAP RU - 337</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>FW6007</p>									
<p>4. PLATFORM NAME(S)</p> <p>NORR R/V Discoverer</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>Ship</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <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	<p>7. DATES</p>
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
USA	USA	3 / 1 / 76	3 / 10 / 76								
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>									
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>		<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800</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
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-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 337 - 033 - FW6007 NOAA RV Discoverer 76/3/1 - 76/3/10 LENSINK 9TRK, 800BPI, ODD, EBCDIC 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 style="text-align: center;">83</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p>

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 <small>(0.4- 400, bytes)</small>	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 <small>(e.g., Δln, bytes)</small>	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 "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 <small>(e.g., bits, bytes)</small>	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.

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;">FW6007 ON TAPE G07NDC WITH:</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <tr> <td style="padding: 2px;">→ FW6007</td> <td style="padding: 2px;">FW6013</td> <td style="padding: 2px;">FW6018</td> </tr> <tr> <td style="padding: 2px;">FW6008</td> <td style="padding: 2px;">FW6014</td> <td style="padding: 2px;">FW6019</td> </tr> <tr> <td style="padding: 2px;">FW6011</td> <td style="padding: 2px;">FW6016</td> <td style="padding: 2px;">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 <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <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>										

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	NODC 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	NODC 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

Ship and Aircraft Census Data - Environment (continued)

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		
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 <small>(e.g., bits, bytes)</small>	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/Polynya	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

Ship and Aircraft Census Data - Ice (continued)

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		
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 <small>(e.g., bits, bytes)</small>	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 20852

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED 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)	
		PLATFORM	OPERATOR
		USA	USA
		7. DATES	
		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)

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 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> <hr/> <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>FW6008 ON TAPE CONTAINS WITH:</p> <table style="margin-left: 20px;"> <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= 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 20852

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>OCSEAP RU - 337</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>FW6011</p>									
<p>4. PLATFORM NAME(S)</p> <p>NOAA R/V Discoverer</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>Ship</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <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	<p>7. DATES</p> <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										
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>									
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>		<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800</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
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>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</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> <hr/> <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</p> <p><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;">FW6011 ON TAPE GOTNDC WITH</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <tr> <td style="padding: 2px;">FW6007</td> <td style="padding: 2px;">FW6013</td> <td style="padding: 2px;">FW6018</td> </tr> <tr> <td style="padding: 2px;">FW6008</td> <td style="padding: 2px;">FW6014</td> <td style="padding: 2px;">FW6019</td> </tr> <tr> <td style="padding: 2px;">→FW6011</td> <td style="padding: 2px;">FW6016</td> <td style="padding: 2px;">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 <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <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

NOAA FORM 24-13
(4-72)

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

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED 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) USA USA	7. DATES 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

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"/> _____
	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) OCSEAP - USFWS/OBSCE 337 033 - FW6013 UH RV Moana Wave 76/3/30 - 76/4/13 LENSINK 9TRK, 800BPI, ODD, EBCDIC NON LABELED-IBM UTILITY B
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	
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

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 20882

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED 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) USA USA	
		7. DATES 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	O33 Codes	N/A	N/A	N/A
Outside Zone	O33 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. CONTRIBUTES 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 337 033 - FW6014 P2V 76/3/29 - 76/3/30 LENSINK 9TRK, 800BPI, ODD, EBCDIC 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., Mts, 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 <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</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 <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="font-family: monospace;"> FW6014 ON TAPE GOTNDC WITH FW6007 FW6013 FW6018 FW6008 → FW6014 FW6019 FW6011 FW6016 FW6027 </p>
<p>8. DENSITY</p> <p> <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____ </p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="font-family: monospace;">Lrcl=83 Blk size= 3735</p>
<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">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 20882

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>Dr. Calvin Lensink U. S. Fish and Wildlife Service- Office of Biological Services-Coastal Ecosystems 1011 East Tudor Rd. Anchorage, Alaska, 99503</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>OCSEAP RU - 337</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>FW6016</p>									
<p>4. PLATFORM NAME(S)</p> <p>NOAA R/V Discoverer</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>Ship</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <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	<p>7. DATES</p> <table border="1"> <thead> <tr> <th>FROM: MO, DAY, YR</th> <th>TO: MO, DAY, YR</th> </tr> </thead> <tbody> <tr> <td>4-6-76</td> <td>4-13-76</td> </tr> </tbody> </table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	4-6-76	4-13-76
PLATFORM	OPERATOR										
USA	USA										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
4-6-76	4-13-76										
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>									
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?</p> <p>(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>		<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>Dr. Calvin Lensink Dr. Patrick Gould (907) 276-3800</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
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 <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 type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY <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) OCSEAP - USFWS/OBSCE 337 033 - FW6016 NOAA RV Discoverer 76/4/6 - 76/4/13 LENSINK 9TRK, 800BPI, ODD, EBCDIC NON LABELED-IBM UTILITY B</p>
<p>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"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES 83</p> <p>13. LENGTH OF BYTES IN BITS 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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>FW6016 ON TAPE GO7NDC WITH</p> <p>FW6007 FW6013 FW6018</p> <p>FW6008 FW6014 FW6019</p> <p>FW6011 → FW6016 FW6027.</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>Lrecl=83 Blk size= 3735</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

DATA DOCUMENTATION FORM

TR3857

NOAA FORM 24-13
(4-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20882

FORM APPROVED
O.M.B. No. 41-R2631

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 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)	
		PLATFORM	OPERATOR
		USA	USA
		7. DATES	
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		4/15/76	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	
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 FW6018 DISCO 76-04-10 76-04-26 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"/> 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 style="text-align: center;">IBM 3420 <input checked="" type="checkbox"/> <u>Tape Mark</u></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;">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 20852

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED 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)	
		PLATFORM	OPERATOR
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		USA	USA
		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 <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 type="checkbox"/> _____</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</p> <p><input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</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;">337 033 FW6019 MOANA WAVE 003 76-04-19 76-05-21 LENSINK 9TRK, 800BPI, ODD, EBCDIC</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">83</p>
<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">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 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;">FW6019 ON TAPE GOING 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 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 536 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES Lrecl=83 Blk size= 3735</p> <p>13. LENGTH OF BYTES IN BITS 8</p>

DATA DOCUMENTATION FORM

TR3859

NOAA FORM 24-13
(4-72)

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

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

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

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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 FW6027	
4. PLATFORM NAME(S) MV Nordic Prince	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		7. DATES	
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		USA	USA
6. 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

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) 337 033 FW6027 NORDIC PRINCE 76-10-07 - - LENSINK 9TRK, 800BPI, ODD, EBCDIC
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</p> <p><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;">FW6027 ON TAPE GOT NDE 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>										

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:

<u>Error</u>	<u>Correction Completed (Check)</u>
OLD TAX CODES	

II. Additional error corrections:

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

III. Processor Name: _____

RECORD NAME

OCSEAP

BIRDS

79-0046

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
TR 3851-3859	(1)	TR 3853	203169	<i>Record Station</i>	0 ADDED COL. 43
	(2)	TR 3854	<i>Record 2</i> single digit	<i>col 39-33</i>	DRY BALL 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 t
TR 3857	104569	4 to a t			
TR 3857	1 4969	4 to a t			
(4)	8802030407 to 8810010601	8803020407 in	TR 3857503369		
		8810100601 in	TR 3859513178		
CODES <u>NOT</u> ^{KNOWN} CHANGED AS OF 2/7/79				<i>code corrected see original corrections sheet</i>	
(5)	8803020040	IN TR 3858	505569 (8 times)	}	
	8810100030	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

GOTNDC

01 RECFM=F LRECL=⁸³?
DATA SET CONTAINS 237 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	P	P	u	u
d	d	P	P	u	u
d	d	P	P	u	u
ddd	PPP	uuuu			
	P	u	u		
	P	u	u		
	P	uuu			

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 Tenenck*

Received --

Date:
 By:

Please date, sign, and return. Thank you.

TAPE SPECIFICATION FORM

d
d
d
ddd
d d
d d
ddd

PPP SSS
P P S S
P P S S
PPPP SSSS
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

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	BKSIZE	RECFM	REMARKS
ORIGINATOR	GØ7NDC	NL	83	3735	FB	
DUPLICATE	002542	NL	83	4565	FB	
REFORMATTED						
UNCORRECTED 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>
RED TAX CODES	
have been corrected, per enclosed list.	
all corrections, John Anderson's and the lists from the originator have been made.	
checked 01/11/80 cmitt	
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 <small>(e.g., bits, bytes)</small>	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 3858505569 (8 times)	
8810100030				IN	TR 3858502969 (14 times)	
8913060201				IN	TR 3855502619 (1 time)	
(6) TR 3854108369				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	JPO	Gd7NDC	9	3735 83
2. Duplicate Tape # QUADI	1-19-79	JPO	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)