

## DATA DOCUMENTATION FORM

TR 2377

NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

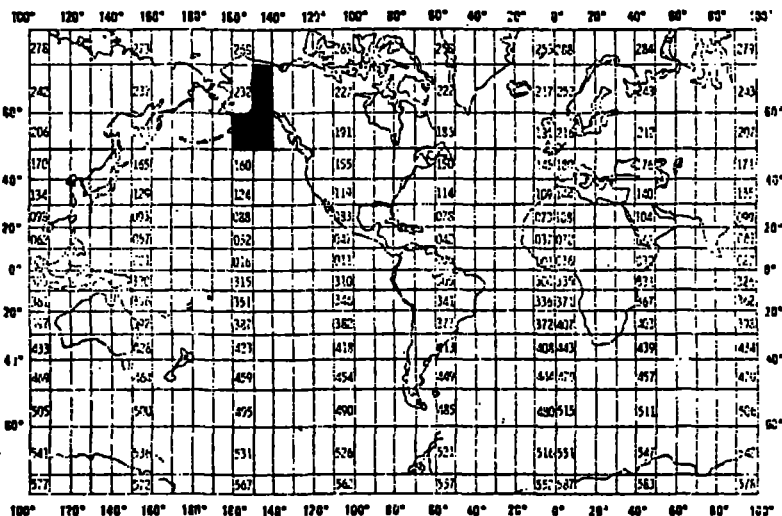
This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, 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.

AUG 22 1977

## A. ORIGINATOR IDENTIFICATION

NEGOA

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 & Wildlife Service - Office of Biological Services - Coastal Ecosystems 800 A Street - Suite 110 Anchorage, Alaska 99501			
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  <u>FW7032</u>	
4. PLATFORM NAME(S)  Yankee Clipper  327A	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES)  USA	7. DATES FROM: MO / DAY / YR TO: MO / DAY / YR  5/23/77 6/6/77
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 J. Gould			

# 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 = Environmental  
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 901-265-5401  
ADDRESS U.S.F.W.S., OBS-CE, 800 A St., Suite 110, Anchorage, Alaska 99501

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 FW7032 Yankee Clipper - Charter Leg I 77/05/23 - 77/06/06 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>	

# **RECORD FORMAT DESCRIPTION**

**RECORD 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 DESCRIPTION

RECORD NAME Location (continued) - Ship and Aircraft Census

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., 612, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Height of eyes above sea	66	3	bytes	I3	In whole meters
Observation conditions	75	1	bytes	A1	1-7 bad-excellent
Transect width	81	3	bytes	I3	10's of meters

# RECORD FORMAT DESCRIPTION

RECORD NAME Environmental - Ship and Aircraft Census

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

# **RECORD FORMAT DESCRIPTION**

**RECORD NAME** / Data - Ship and Aircraft Census

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



### D. INSTRUMENT CALIBRATION

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

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

ACCESSION  
NUMBER

77-0893

## DATA DOCUMENTATION FORM

Tape: URL QAKI. ROG. ALASKA 10

TR 2378

NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-31

Received Sept 6

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

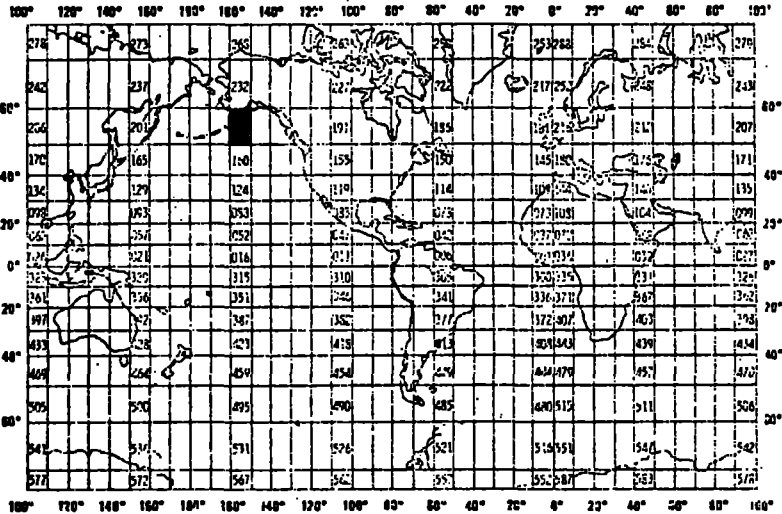
RECEIVED

AUG 22 1977

## A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

NEG OA

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Dr. Calvin Lensink U.S. Fish & Wildlife Service - Office of Biological Services - Coastal Ecosystems 800 A Street - Suite 110 Anchorage, Alaska 99501											
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  FW7033									
4. PLATFORM NAME(S)  Yankee Clipper	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td><td>6/18/77</td><td>6/28/77</td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	USA	USA	6/18/77	6/28/77
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
USA	USA	6/18/77	6/28/77								
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 (BNP)? (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 J. Gould											

## 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 = Environmental  
 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 901-265-5401  
 ADDRESS U.S.F.W.S., OBS-CE, 800 A St., Suite 110, Anchorage, Alaska 99501

## COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)  OCSEAP - USFWS/OBSCE 337 033 FW7033 Yankee Clipper - CHARTER Leg II 77/06/18 - 77/06/28 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

# **RECORD FORMAT DESCRIPTION**

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

NOAA FORM 24-13

# RECORD FORMAT DESCRIPTION

RECORD NAME Environmental - Ship and Aircraft Census

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



# RECORD FORMAT DESCRIPTION

RECORD NAME / Data - Ship and Aircraft Census

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

## D. INSTRUMENT CALIBRATION

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

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

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 ?

Original File ID FW7032

2377

STATION NUMBER	CARD TYPE	SEQUENCE NUMBER	FIELD ABBR	COLUMNS	FROM	TO
16178	5	008	TAX	18-29	9219030103	9219020103
25073	5	008	TAX	18-29	9210021801	9218021801

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

77-0893

Data from RU#337

Processed by RU#527

NODC Track Number ?

Original File ID. FW7033

2378

STATION NUMBER	CARD TYPE	SEQUENCE NUMBER	FIELD ABBR	COLUMNS	FROM	TO
08773	5	012	TAX	18-29	929219	9219

# TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 77-0893

TR2377-8

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
ORIGINATOR	ZU9ND1	NL	83	3735	FB	
DUPPLICATE	001926	SL <del>HE</del>	83	4150	FB	DSN = TR2377
SCAN REFORMATTED	010508	NL	83	4150	FB	
FIRST USER	<del>001926</del>					
FINAL USER	010344	SL	83	4150	FB	DSN = TR2377

**RECORD NAME**

77-0893 OCSEAP BIRDS

NOAA FORM 24-13

Corrections Made to OCSEAP Data, File Type 033,  
Subsequent to Submission to NODC  
Reported Oct, 1978

Data from RU#337

Processed by RU#527

NODC Track Number ?

Original File ID FW7032

TR 2377

NADIS 77-0893

STATION NUMBER	CARD TYPE	SEQUENCE NUMBER	FIELD ABBR	COLUMNS	FROM	TO
02479	5	002	TAX	18-27	912901401+	9129011401
03173	5	002	TAX	18-27	912901302+	9129011302
04073	5	007	TAX	18-27	918020301+	9128020301
05873	1		LON	23-30	1524836Q+	1524836W ✓
05873	5	006	TAX	18-27	912890103+	91290103
05979	5	004	TAX	18-27	919011302+	9129011302
07978	5	001	DIR	48-49	36+	00
08178	5	004	TAX	18-27	919010301+	9129010301
09578	5	<u>005</u>	IND	37-41	1+	11
09578	5	005	DIR	48-49	12+	22
09578	5	005	LNK	51-53	2+	blank
13571	1		LAT	16-22	566430N+	564430N ✓
15379	5	004	TAX	18-27	9109010204+	91090204
17879	5	008	TAX	18-27	912901401+	9129011401
19473	5	001	DIR	48-49	36	00
20078	5	001	DIR	48-49	blank	33
20078	5	001	LNK	51-53	33	blank
20178	5	006	DIR	48-49	70	blank
20178	5	007	DIR	48-49	70	blank
20779	5	003	TAX	18-27	912090103	91290103

Corrections Made to OCSEAP Data, File Type 033,  
Subsequent to Submission to NODC  
Reported Oct, 1978

Data from RU#337

Processed by RU#527

NODC Track Number ?

Original File ID FW7032

*TR 2377*

*77-0883*

STATION NUMBER	CARD TYPE	SEQUENCE NUMBER	FIELD ABBR	COLUMNS	FROM	TO
22773	1		DAT	31-36	770620	770602 ✓
23173	5	002	TAX	18-27	9129010401	9129011401
23573	5	003	DIR	48-49	37	32
23773	5	004	DIR	48-49	36	00
23873	5	005	DIR	48-49	36	00
25973	5	008	TAX	18-27	9128070301	9128020301
26173	5	003	DIR	48-49	90	blank
27273	5	006	DIR	48-49	0	blank
27273	5	007	TAX	18-27	9128010301	9128020301
90371	5	001	IND	37-41	blank	10



Corrections Made to OCSEAP Data, File Type 033,  
Subsequent to Submission to NODC  
Reported Oct, 1978

Data from RU#337

Processed by RU#527

NODC Track Number ?

Original File ID FW7033

772378

77-0893

STATION NUMBER	CARD TYPE	SEQUENCE NUMBER	FIELD ABBR	COLUMNS	FROM	TO
00379	5	002	DIR	48-49	36	00
00873	5	006	DIR	48-49	6	06
04579	5	004	TAX	18-27	9221030103	9221030107
04579	5	003	DIR	48-49	36	00
06779	5	001	IND	37-41	blank	1
08773	5	002	TAX	18-27	9129011140	9129011401
14979	5	008	DIR	48-49	60	06
15673	2		BMP	40-43	7613	blank
17173	5	008	DIR	48-49	blank	20
17173	5	008	LNK	51-53	20	blank
17373	5	007	TAX	18-27	912901060	91290106
19878	2		BMP	40-43	7643	blank
19878	2		BMT	44	0	blank
19979	2		BMP	40-43	7643	blank
19979	2		BMT	44	0	blank
20478	5	008	DIR	48-49	36	32
23478	5	010	DIR	48-49	38	blank
23678	5	006	DIR	48-49	36	00

Password: .

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
-----	-----	-----	-----	-----	-----	-----	-----	-----
7700893	F033	TR2377	0081	31V5	32YA	1977/05/23	FW7032	305287
7700893	F033	TR2378	0081	31V5	32YA	1977/06/18	FW7033	305288
7700893	C116	051074	9999	7401	7499	1974/06/03	NULL	305360
7700893	C116	051075	9999	7401	7499	1974/06/23	NULL	305361
7700893	C116	051076	9999	7401	7499	1969/12/02	NULL	305362
7700893	C116	051077	9999	7401	7499	1969/12/03	NULL	305363
7700893	C116	051078	9999	7401	7499	1970/01/04	NULL	305364
7700893	C116	051079	9999	7401	7499	1970/01/20	NULL	305365
7700893	C116	051080	9999	7401	7499	1970/06/01	NULL	305366
7700893	C116	051081	9999	7401	7499	1970/07/27	NULL	305367
7700893	C116	051089	9999	7401	7499	1971/10/27	74EU	305368
7700893	C116	051090	9999	7401	7499	1971/10/27	74EU	305369
7700893	C116	051091	9999	7401	7499	1972/01/02	74EU	305370
7700893	C116	051092	9999	7401	7499	1972/01/25	74EU	305371
7700893	C116	051093	9999	7401	7499	1972/03/29	74EU	305372
7700893	C116	051094	9999	7401	7499	1972/04/16	74EU	305373
7700893	C116	051095	9999	7401	7499	1973/10/18	74EU	305374
7700893	C116	051096	9999	7401	7499	1973/12/11	74EU	305375
7700893	C116	051097	9999	7401	7499	1974/01/19	74EU	305376
7700893	C116	051098	9999	7401	7499	1974/02/25	74EU	305377
7700893	C116	051142	9999	7401	7499	1970/08/15	NULL	305408
7700893	C116	051147	9999	7401	7499	1971/07/11	NULL	305409
7700893	C116	051149	9999	7401	7499	1971/08/28	NULL	305410
7700893	C116	051150	9999	7401	7499	1971/09/11	NULL	305411
7700893	C116	051151	9999	7401	7499	1971/10/28	NULL	305412
7700893	C116	051152	9999	7401	7499	1971/11/21	NULL	305413
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7700893	C116	051172	9999	7401	7499	1970/12/26	NULL	305429
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7700893	C116	051174	9999	7401	7499	1971/02/11	NULL	305431
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7700893	C116	051184	9999	7401	7499	1972/01/25	NULL	305441
7700893	C116	051185	9999	7401	7499	1972/02/21	NULL	305442
7700893	C116	051186	9999	7401	7499	1972/03/20	NULL	305443

7700893	C116	051187	9999	7401	7499	1972/05/23	NULL	305444
7700893	C116	051188	9999	7401	7499	1972/06/04	NULL	305445
7700893	C116	051189	9999	7401	7499	1972/07/16	NULL	305446
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7700893	C116	051191	9999	7401	7499	1972/08/28	NULL	305448
7700893	C116	051192	9999	7401	7499	1972/09/08	NULL	305449
7700893	C116	051193	9999	7401	7499	1972/10/01	NULL	305450
7700893	C116	051194	9999	7401	7499	1972/10/22	NULL	305451
7700893	C116	051195	9999	7401	7499	1972/11/14	NULL	305452
7700893	C116	051196	9999	7401	7499	1973/04/11	NULL	305453
7700893	C116	051197	9999	7401	7499	1973/04/23	NULL	305454
7700893	C116	051198	9999	7401	7499	1973/05/16	NULL	305455
7700893	C116	051199	9999	7401	7499	1973/06/07	NULL	305456
7700893	C116	051200	9999	7401	7499	1973/08/20	NULL	305457
7700893	C116	051201	9999	7401	7499	1973/11/05	NULL	305458
7700893	C116	051202	9999	7401	7499	1973/12/18	NULL	305459
7700893	C116	051203	9999	7401	7499	1974/01/13	NULL	305460
7700893	C116	051204	9999	7401	7499	1974/01/25	NULL	305461
7700893	C116	051205	9999	7401	7499	1974/03/07	NULL	305462
7700893	C116	051206	9999	7401	7499	1974/03/31	NULL	305463
7700893	C116	051207	9999	7401	7499	1974/04/14	NULL	305464
7700893	C116	051208	9999	7401	7499	1974/04/25	NULL	305465
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7700893	C116	051250	9999	7401	7499	1974/05/03	NULL	305506
7700893	C116	051251	9999	7401	7499	1974/05/20	NULL	305507
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7700893	C116	051253	9999	7401	7499	1974/07/22	NULL	305509
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7700893	C116	051265	9999	7401	7499	1973/01/09	NULL	305521
7700893	C116	051266	9999	7401	7499	1973/08/28	NULL	305522
7700893	C116	051267	9999	7401	7499	1974/02/12	NULL	305523
7700893	C116	051268	9999	7401	7499	1974/06/15	NULL	305524
7700893	C116	051269	9999	7401	7499	1974/11/11	NULL	305525
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7700893	C116	051286	9999	7401	7499	1973/07/22	NULL	305542
7700893	C116	051287	9999	7401	7499	1973/08/12	NULL	305543
7700893	C116	051288	9999	7401	7499	1972/04/19	NULL	305544
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7700893	C116	051290	9999	7401	7499	1972/05/28	NULL	305546
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7700893	C116	051292	9999	7401	7499	1972/06/25	NULL	305548
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7700893	C116	051295	9999	7401	7499	1974/05/28	NULL	305551
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7700893	C116	051299	9999	7401	7499	1974/09/14	NULL	305555
7700893	C116	051300	9999	7401	7499	1974/09/26	NULL	305556
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7700893	C116	051000	9999	7401	74DG	1973/02/20	NULL	305289
7700893	C116	051001	9999	7401	74DG	1973/03/20	NULL	305290
7700893	C116	051002	9999	7401	74DG	1973/04/12	NULL	305291
7700893	C116	051003	9999	7401	74DG	1973/05/09	NULL	305292
7700893	C116	051004	9999	7401	74DG	1973/05/29	NULL	305293
7700893	C116	051005	9999	7401	74DG	1973/06/26	NULL	305294
7700893	C116	051006	9999	7401	74DG	1973/12/05	NULL	305295
7700893	C116	051007	9999	7401	74DG	1973/12/22	NULL	305296
7700893	C116	051211	9999	7401	74DG	1974/01/26	NULL	305468
7700893	C116	051212	9999	7401	74DG	1974/01/26	NULL	305469
7700893	C116	051213	9999	7401	74DG	1974/02/16	NULL	305470
7700893	C116	051228	9999	7401	74DI	1974/08/20	NULL	305485
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7700893	C116	051020	9999	7401	74DP	1972/08/12	NULL	305309
7700893	C116	051021	9999	7401	74DP	1972/08/13	NULL	305310
7700893	C116	051022	9999	7401	74DP	1972/09/06	NULL	305311
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7700893	C116	051034	9999	7401	74DP	1973/08/09	NULL	305323
7700893	C116	051035	9999	7401	74DP	1973/08/31	NULL	305324
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7700893	C116	051039	9999	7401	74DP	1973/12/07	NULL	305328
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7700893	C116	051216	9999	7401	74DP	1974/02/15	NULL	305473
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7700893	C116	051218	9999	7401	74DP	1974/04/05	NULL	305475
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7700893	C116	051043	9999	7401	74DQ	1972/09/03	NULL	305332
7700893	C116	051044	9999	7401	74DQ	1972/10/26	NULL	305333
7700893	C116	051045	9999	7401	74DQ	1972/12/13	NULL	305334
7700893	C116	051046	9999	7401	74DQ	1973/01/06	NULL	305335
7700893	C116	051047	9999	7401	74DQ	1973/01/27	NULL	305336
7700893	C116	051048	9999	7401	74DQ	1973/02/17	NULL	305337
7700893	C116	051049	9999	7401	74DQ	1973/03/13	NULL	305338
7700893	C116	051050	9999	7401	74DQ	1973/04/07	NULL	305339
7700893	C116	051051	9999	7401	74DQ	1973/05/03	NULL	305340
7700893	C116	051052	9999	7401	74DQ	1973/05/25	NULL	305341
7700893	C116	051053	9999	7401	74DQ	1973/06/17	NULL	305342
7700893	C116	051054	9999	7401	74DQ	1973/07/12	NULL	305343
7700893	C116	051055	9999	7401	74DQ	1973/08/05	NULL	305344

7700893	C116	051056	9999	7401	74DQ	1973/08/31	NULL	305345
7700893	C116	051057	9999	7401	74DQ	1973/09/22	NULL	305346
7700893	C116	051058	9999	7401	74DQ	1973/10/18	NULL	305347
7700893	C116	051059	9999	7401	74DQ	1973/11/10	NULL	305348
7700893	C116	051060	9999	7401	74DQ	1973/12/06	NULL	305349
7700893	C116	051061	9999	7401	74DQ	1973/12/31	NULL	305350
7700893	C116	051221	9999	7401	74DQ	1973/12/29	NULL	305478
7700893	C116	051222	9999	7401	74DQ	1973/12/30	NULL	305479
7700893	C116	051223	9999	7401	74DQ	1974/02/16	NULL	305480
7700893	C116	051224	9999	7401	74DQ	1974/03/10	NULL	305481
7700893	C116	051225	9999	7401	74DQ	1974/04/01	NULL	305482
7700893	C116	051226	9999	7401	74DQ	1974/04/25	NULL	305483
7700893	C116	051227	9999	7401	74DQ	1974/05/18	NULL	305484
7700893	C116	051271	9999	7401	74ED	1971/09/21	74EU	305527
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7700893	C116	051273	9999	7401	74ED	1973/04/10	74EU	305529
7700893	C116	051274	9999	7401	74ED	1973/04/28	74EU	305530
7700893	C116	051275	9999	7401	74ED	1973/10/27	74EU	305531
7700893	C116	051276	9999	7401	74ED	1974/02/27	74EU	305532
7700893	C116	051008	9999	7401	74EH	1972/03/02	NULL	305297
7700893	C116	051009	9999	7401	74EH	1972/03/02	NULL	305298
7700893	C116	051010	9999	7401	74EH	1972/03/17	NULL	305299
7700893	C116	051011	9999	7401	74EH	1972/04/10	NULL	305300
7700893	C116	051012	9999	7401	74EH	1972/05/21	NULL	305301
7700893	C116	051013	9999	7401	74EH	1972/06/12	NULL	305302
7700893	C116	051014	9999	7401	74EH	1972/06/30	NULL	305303
7700893	C116	051015	9999	7401	74EH	1972/11/23	NULL	305304
7700893	C116	051016	9999	7401	74EH	1973/10/27	NULL	305305
7700893	C116	051017	9999	7401	74EH	1973/11/12	NULL	305306
7700893	C116	051018	9999	7401	74EH	1974/04/30	NULL	305307
7700893	C116	051019	9999	7401	74EH	1974/06/15	NULL	305308
7700893	C116	051099	9999	7401	74FS	1973/03/04	NULL	305378
7700893	C116	051100	9999	7401	74FS	1973/03/09	NULL	305379
7700893	C116	051101	9999	7401	74FS	1973/04/21	NULL	305380
7700893	C116	051102	9999	7401	74FS	1973/05/08	NULL	305381
7700893	C116	051103	9999	7401	74FS	1973/06/03	NULL	305382
7700893	C116	051104	9999	7401	74FS	1973/12/10	NULL	305383
7700893	C116	051105	9999	7401	74FS	1972/08/19	NULL	305384
7700893	C116	051106	9999	7401	74FS	1972/08/29	NULL	305385
7700893	C116	051107	9999	7401	74FS	1972/10/06	NULL	305386
7700893	C116	051108	9999	7401	74FS	1972/10/30	NULL	305387
7700893	C116	051109	9999	7401	74FS	1972/11/30	NULL	305388
7700893	C116	051110	9999	7401	74FS	1972/12/20	NULL	305389
7700893	C116	051111	9999	7401	74FS	1973/01/09	NULL	305390
7700893	C116	051112	9999	7401	74FS	1973/01/28	NULL	305391
7700893	C116	051113	9999	7401	74FS	1973/03/21	NULL	305392
7700893	C116	051114	9999	7401	74FS	1973/05/05	NULL	305393
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7700893	C116	051120	9999	7401	74FS	1973/02/25	NULL	305399
7700893	C116	051121	9999	7401	74FS	1973/05/15	NULL	305400
7700893	C116	051122	9999	7401	74FS	1973/06/18	NULL	305401
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7700893	C116	051125	9999	7401	74FS	1973/10/05	NULL	305404
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7700893	C116	051069	9999	7401	74HA	1972/04/02	NULL	305355
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7700893	C116	051062	9999	7401	74HC	1973/05/20	NULL	305351
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7700893	C116	051064	9999	7401	74HC	1973/06/10	NULL	305353
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7700893	C116	051231	9999	7401	74HC	1974/01/21	NULL	305487
7700893	C116	051232	9999	7401	74HC	1974/02/27	NULL	305488
7700893	C116	051233	9999	7401	74HC	1974/04/30	NULL	305489
7700893	C116	051234	9999	7401	74HC	1974/06/13	NULL	305490
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7700893	C116	051241	9999	7401	74HY	1973/06/04	NULL	305497
7700893	C116	051242	9999	7401	74HY	1973/09/10	NULL	305498
7700893	C116	051243	9999	7401	74HY	1973/09/29	NULL	305499
7700893	C116	051244	9999	7401	74HY	1973/10/19	NULL	305500
7700893	C116	051245	9999	7401	74HY	1974/02/07	NULL	305501
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7700893	C116	051247	9999	7401	74HY	1974/03/11	NULL	305503
7700893	C116	051277	9999	7401	74XA	1974/02/05	NULL	305533
7700893	C116	051278	9999	7401	74XB	1973/08/25	NULL	305534
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7700893	C116	051280	9999	7401	74XB	1974/02/18	NULL	305536
7700893	C116	051281	9999	7401	74XC	1973/01/24	NULL	305537
7700893	C116	051282	9999	7401	74XC	1973/02/24	NULL	305538
7700893	C116	051283	9999	7401	74XC	1973/07/20	NULL	305539
7700893	C116	051284	9999	7401	74XC	1974/01/02	NULL	305540
7700893	C116	051285	9999	7401	74XC	1974/03/11	NULL	305541

(272 rows affected)

Password: .

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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7700893	F033	TR2377	32YA	276	2217	77/05/23	77/06/10
7700893	F033	TR2378	32YA	242	2174	77/06/18	77/06/28

(2 rows affected)