

ODF A:2: 24

## DATA DOCUMENTATION FORM

6879

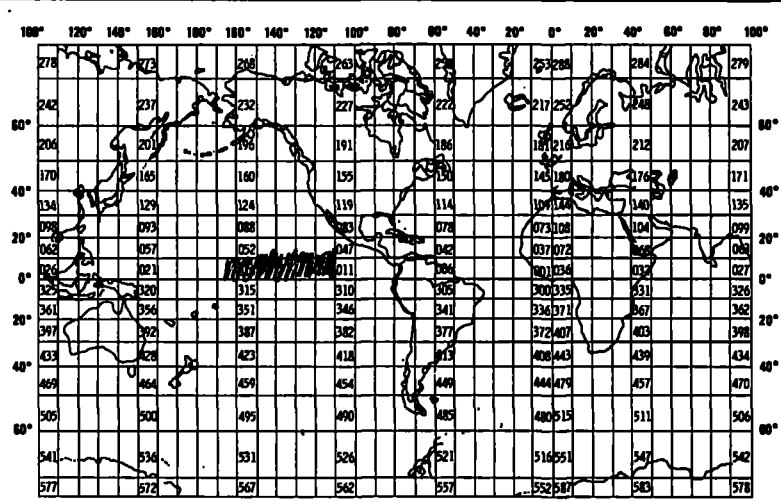
NOAA FORM 24-13  
(4-72)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 41-R2651

F056

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. DONALD V. HANSEN NOML/PAOL 15 RICKENBACKER Cswy MIAMI, FL, 33149			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED NORPAX PRE-FOG-TEST SHUTTLE EXPERIMENT		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) 572-1105-73-610 543-67-1745-361 645-51-520-366 605-45-1125-633 110-321-516-350 1133-317	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR USA USA 11/1/77 11/04/78
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 type="checkbox"/> NO <input checked="" 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. DONALD HANSEN 305-361-4338 88-3501338			

## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

### EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

## 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

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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

## C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field: If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

# 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

EACH RECORD REPRESENTS A DIFFERENT BUOY  
(HEADER & DATA)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Header - PLATFORM NAME, PLATFORM TYPE OF SYSTEM ACQUIRING  
DATA, NAME OF INVESTIGATOR, STARTING DATA (YY-MM-DD)  
END DATE, PROGRAM NAME.

DATA IDENTIFICATION OF BUOY  
OBSERVED LATITUDE  
OBSERVED LONGITUDE  
OBSERVATION DATE (GMT-YY-MM-DD)  
OBSERVATION TIME (GMT- HOURS & MINUTES)

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

4. RESPONSIBLE COMPUTER SPECIALIST: MAYRA C. PAZOS  
NAME AND PHONE NUMBER 305-361 4358  
ADDRESS 1571 KICKENBOCKER Cswy Miami, Fla 33149

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<b>5. RECORDING MODE</b> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
<b>6. NUMBER OF TRACKS (CHANNELS)</b> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<b>10. END OF FILE MARK</b> <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> OCTAL 377
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b> AGRANGIAAN Current Measurements file type 056 ADM1-02 22 BUOYS: 572-1105-73-610-543-67-1745 361-645-51-520-366-605-45-1125 633-1110-321-516-350-1133-317
<b>8. DENSITY</b> <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	<b>12. PHYSICAL BLOCK LENGTH IN BYTES</b> 160 <b>13. LENGTH OF BYTES IN BITS</b> 8

# RECORD FORMAT DESCRIPTION

CORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>CHAR.</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
Header					
		NUMBER	UNITS		
FILE TYPE	1	3			} IDENTIFIER
FILE IDENTIFIER	4	6			
RECORD TYPE	10	1			
PLATFORM NAME	11	12			
PLATFORM TYPE	23	12			
PRINCIPAL INVEST	35	12			} DATE
START DATE	47	6	YYMMDD GMT		
END DATE	53	6	YYMMDD GMT		
PROGRAM NAME	59	12			
DATA RECORD					
Buoy ID.	10	4			IDENTIFIER
SEQUENCE NO.	15	4			
OBS. LATITUDE	19	8	DDMMSS + HEMISPHERE		} POSITION
OBS. LONGITUDE	26	8	DDMMSS + HEMISPHERE		
OBS. DATE	34	6	YYMMDD (GMT)		
OBS TIME	40	4	HOURS + MINUTES		

## RECORD FORMAT DESCRIPTION

**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		





# RECORD FORMAT DESCRIPTION

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		

## 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 (✓)	

TAPE OR DISK ASSIGNMENT SHEET  
(MRL) 11/6/78  
(Rev. 11/80)

ACCESSION/TRACK NO.:

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	017431	NL	80	80			
DUPLICATE							
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # \_\_\_\_\_

- 1) File Type: FTP [REDACTED] 056
- 2) Project Ident.: \_\_\_\_\_
- 3) Track Nos.: \_\_\_\_\_

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: \_\_\_\_\_

## DATA SET ROUTE SHEET

ACCESSION/TRACK # \_\_\_\_\_

<u>Step</u>	<u>Completion Date/Init.</u>		<u>Tape # or DSN</u>	<u># of Files</u>	<u>BLKSIZE</u>	<u>LRECL</u>	<u># RECORDS</u>
ORIGINATOR TAPE #	2/4/81	EA	017431	1	80	80	
QUADI/SCAN TAPE #							
ASSIGNED FOR PROCESS.							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE #							
WORK DISK FILE							
FINAL USER TAPE #							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: Mr. Jim Ridlon REFER TO: D781x5-81-23  
NODC, Page Building #1 ATTENTION: Jim Ridlon  
2001 Wisconsin N.W.  
Washington, D.C. 20235

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☐ Ordinary ☐ Registered ☒ Certified ☐ Government ☐ By Hand ☐ Other  
Mail Mail Mail Truck

{ Originator Tape # 000647  
Copy Tape # JBR005 }

Enclosed is the finalized version of the fourteen Everitt RU109, file type 027 data sets. The fourteen data sets are TR3073, TR3074, TR3075, TR3076, TR3077, TR3335, TR4130 165184, 176071, 277007, 178002, 178361, 179006, and 179018.

Included are the listings, tracking system list, DINDB forms, and the floppy diskettes containing the data. DDF's are not included, as they were not present for this data.

cc: S. Stillwaugh

Michael L. Crane *M/LC*  
FORWARDED BY (Signature)

Alaska Liaison Officer  
TITLE

January 27, 1981  
DATE FORWARDED

*JBR*  
RECEIVED BY (Signature)

EDIS/MESA Data Coordinator  
TITLE

2/3/81  
DATE RECEIVED

-CD [ ] N.O.D.C. -- NAPIs RECORD

CCESsION NO [ 78-0394 ]

ATE RECEIVED: YR [ 78 ] MO [ 05 ] DAY [ 28 ]

UB-NO [ ]

-CD [ ] N.O.D.C. -- TRACK RECORD

CCESsION NO [ 78-0394 ] REFERENCE NO [ TR3073 ] DNP (Y/N) [ Y ]

COUNTRY CODE [ 31 ] COUNTRY [ ]

NST. CODE [ AB ]

FILE-ALIAS [ F027 ] FILE-NAME [ ]

ROJ CODE [ 0082 ] PROJ-NAME [ ]

EDIUM: CODE [ 7 ] TYPE [ ]

PLATFORM: TYPE CODE [ ] TYPE [ ]

PLAT CODE [ ] NAME [ ]

CRUISE NO [ 177334 ] CRUISE-START [ 771130 ] CRUISE-END [ 780128 ]

COUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

TATUS REJ [ ] SU [ ] SP [ 810219 ] QUADI [ ]

ATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

ATA TRACK: RU [ M109 ] FILE-ID [ 177334 ] LEASE [ ]



T-CD [ ]

N.O.D.C. -- TRACK RECORD

ACCESSION NO [ 78-0394 ] REFERENCE NO [ TR3074 ] DNP (Y/N) [Y]

COUNTRY CODE [ 31 ] COUNTRY [ ]

INST. CODE [ A8 ]

FILE-ALIAS [ F027 ] FILE-NAME [ ]

PROJ-CODE [ 0082 ] PROJ-NAME [ ]

MEDIUM: CODE [ 7 ] TYPE [ ]

PLATFORM:

TYPE CODE [ 1 ] TYPE [ ]

PLAT CODE [ ] NAME [ ]

CRUISE NO [ 177342 ] CRUISE-START [ 771130 ] CRUISE-END [ 780128 ]

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ 810219 ] QUADI [ ]

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

DATA TRACK: RU [ M109 ] FILE-ID [ 177334 ] LEASE [ ]

ACCESSION NO [ 78-0394 ] REFERENCE NO [ TR3075 ] DNP (Y/N) [Y]

COUNTRY CODE [ 31 ] COUNTRY [ ]

INST. CODE [ A8 ]

FILE-ALIAS [ F027 ] FILE-NAME [ ]

PROJ-CODE [ 0082 ] PROJ-NAME [ ]

MEDIUM: CODE [ 7 ] TYPE [ ]

PLATFORM:

TYPE CODE [ 1 ] TYPE [ ]

PLAT CODE [ ] NAME [ ]

CRUISE NO [ 177355 ] CRUISE-START [ 771130 ] CRUISE-END [ 780128 ]

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ 810219 ] QUADI [ ]

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

DATA TRACK: RU [ M109 ] FILE-ID [ 177355 ] LEASE [ ]

T-CD [ ]

N.O.D.C. -- TRACK RECORD

ACCESSION NO [ 78-0394 ] REFERENCE NO [ TR 3076 ] DNP (Y/N) [Y]

COUNTRY CODE [ 31 ] COUNTRY [ ]

INST. CODE [ A8 ]

FILE-ALIAS [ F027 ] FILE-NAME [ ]

PROJ-CODE [ 0082 ] PROJ-NAME [ ]

MEDIUM: CODE [ 7 ] TYPE [ ]

PLATFORM:

TYPE CODE [ / ] TYPE [ ]

PLAT CODE [ ] NAME [ ]

CRUISE NO [ 178026 ] CRUISE-START [ 77/1/30 ] CRUISE-END [ 780128 ]

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ 810219 ] QUADI [ ]

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

DATA TRACK: RU [ M109 ] FILE-ID [ 178026 ] LEASE [ ]

ACCESSION NO [ ] REFERENCE NO [ TR 3077 ] DNP (Y/N) [Y]

COUNTRY CODE [ 31 ] COUNTRY [ ]

INST. CODE [ A8 ]

FILE-ALIAS [ F027 ] FILE-NAME [ ]

PROJ-CODE [ 0082 ] PROJ-NAME [ ]

MEDIUM: CODE [ 7 ] TYPE [ ]

PLATFORM:

TYPE CODE [ / ] TYPE [ ]

PLAT CODE [ ] NAME [ ]

CRUISE NO [ 178028 ] CRUISE-START [ 77/1/30 ] CRUISE-END [ 780128 ]

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ 810219 ] QUADI [ ]

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

DATA TRACK: RU [ M109 ] FILE-ID [ 178028 ] LEASE [ ]

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7800394	F127	TR3073	0082	31A8	3191	1977/11/30	NULL	307027
7800394	F127	TR3074	0082	31A8	3191	1977/11/30	NULL	307028
7800394	F127	TR3075	0082	31A8	3191	1977/11/30	NULL	307029
7800394	F127	TR3076	0082	31A8	3191	1977/11/30	NULL	307030
7800394	F127	TR3077	0082	31A8	3191	1977/11/30	NULL	307031

(5 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7800394	F127	TR3073	3191	19	87	77/11/30	78/01/28
7800394	F127	TR3074	3191	33	155	77/11/30	78/01/28
7800394	F127	TR3075	3191	30	144	77/11/30	78/01/28
7800394	F127	TR3076	3191	51	234	77/11/30	78/01/28
7800394	F127	TR3077	3191	22	102	77/11/30	78/01/28

(5 rows affected)

DOF A:2:24

## DATA DOCUMENTATION FORM

TR 3073 thru TR 3077

F027

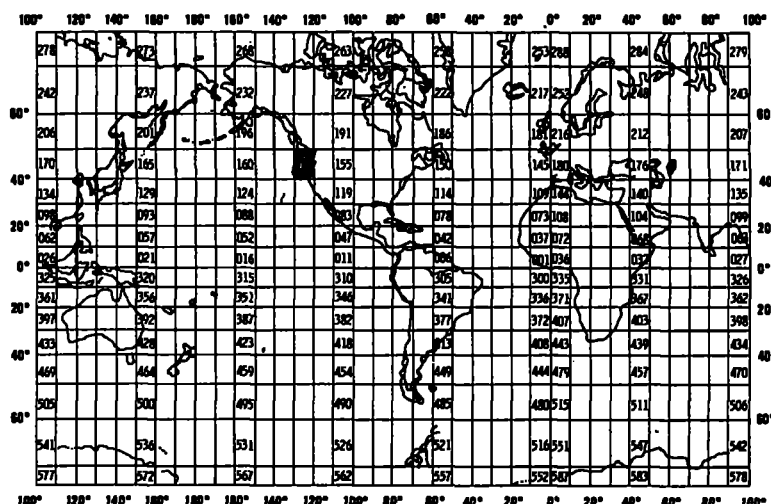
NOAA FORM 24-13  
(4-72)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 41-R2651

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file 027

## A. ORIGINATOR IDENTIFICATION

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED  NOAA, NATIONAL MARINE FISHERIES SERVICE, NMFS MARINE MAMMAL DIVISION 7600 SAND POINT WAY, N.E. SEATTLE, WA 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  MESA, Marine Mammal Investigations in northern Puget Sound and the Strait of Juan de Fuca		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  177334 178026 177342 178028 177355	
4. PLATFORM NAME(S)  <del>Marine Mammal</del> Div. N.A.	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  Aerial (Aircraft) Cessna	6. PLATFORM AND OPERATOR NATIONALITY(IES)  U.S.A. U.S.A.	7. DATES  FROM: MO, DAY, YR TO: MO, DAY, YR 11/30/77 1/28/78
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 type="checkbox"/> NO <input checked="" 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)  Robert Everitt 399-4718 (FTS)			

## B. SCIENTIFIC CONTENT

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Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S 510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

# 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
Species.	species code by G. Mueller	Experienced MMD observers in aircraft	Distribution plots and Abstracts	Tentative code (T) for questionable IDs
# Animals # Young total Animals	sighted animals	"		Confidence code, left justified
Direction of Animals	By quadrant	Estimated by observer	for determination of any migratory behavior	
Behavior Code	See instructions for code breakdown	Direct observation		Low resolution behavioral description
Surface Visibility	file type 027 code	estimated		
Latitude & Longitude	0, 1, "	Chart estimates		
				All data have been checked manually and by computer

## 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



## C. DATA FORMAT

Marine Mammal Sighting

5-18-77

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

Eight distinct record types; Location (1), Environmental 1 (2),  
 Environmental 2 (3), Sighting 1 (4), Sighting 2 (5), Sighting 3 (6),  
 Text (7), and Ice (8) differentiated by byte 10.

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

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

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

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 checked="" type="checkbox"/> 3/4 INCH
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input checked="" 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 KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)  Vol. Ser. = <del>06893</del> (orig.) Vol. Ser. = _____ (o/c)
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
12. PHYSICAL BLOCK LENGTH IN BYTES 4800	
13. LENGTH OF BYTES IN BITS 8	

# RECORD FORM: DESCRIPTION

RECORD NAME Location (Marine Mammal Sighting)

FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Flight/Station Number	11	10	Bytes	A10	Analogous to WODC station Number
Sequence Number	21	4	Bytes	I4	Ascending order for sorting purposes
Starting Date-Time					
Year	25	2	Bytes	I2	00-99
Month	27	2	Bytes	I2	01-12
Day	29	2	Bytes	I2	01-31
Hour	31	2	Bytes	I2	00-23
Minute	33	2	Bytes	I2	00-59
Starting Latitude Degrees	35	2	Bytes	I2	
Minutes	37	2	Bytes	I2	
Seconds	39	2	Bytes	I2	
Hemisphere	41	1	Bytes	A1	'N' or 'S'
Starting Longitude Degrees	42	3	Bytes	I3	
Minutes	45	2	Bytes	I2	
Seconds	47	2	Bytes	I2	
Hemisphere	49	1	Bytes	A1	'E' or 'W'
Elapsed Time					
Hours	50	2	Bytes	I2	
Minutes	52	2	Bytes	I2	
Distance Along Track	54	5	Bytes	I5	Nautical Miles
Completeness Code	59	1	Bytes	A1	(use file 027 Completeness Code)

} G.M.T.

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., 50N, 12W)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Ending Latitude					
Degrees	60	2	Bytes	I2	
Minutes	62	2	Bytes	I2	
Seconds	64	2	Bytes	I2	
Hemisphere	66	1	Bytes	A1	'N' or 'S'
Ending Longitude	67	3	Bytes	I3	
Degrees					
Minutes	70	2	Bytes	I2	
Seconds	72	2	Bytes	I2	
Hemisphere	74	1	Bytes	A1	'E' or 'W'
Blank	75	6	Bytes	6X	

# RECORD FORM: DESCRIPTION

RECORD NAME Environmental 1 (Marine Mammal Sighting)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Flight/Station Number	11	10	Bytes	A10	Analogous to KODC station number
Sequence Number	21	4	Bytes	I4	Ascending order for sorting
Sighting Date-Time					
Year	25	2	Bytes	I2	00-99
Month	27	2	Bytes	I2	01-12
Day	29	2	Bytes	I2	01-31
Hour	31	2	Bytes	I2	00-23
Minute	33	2	Bytes	I2	00-59
Sighting Latitude, Degrees	35	2	Bytes	I2	} G.M.T.
Minutes	37	2	Bytes	I2	
Seconds	39	2	Bytes	I2	
Hemisphere	41	1	Bytes	A1	
Sighting Longitude, Degrees	42	3	Bytes	I3	
Minutes	45	2	Bytes	I2	
Seconds	47	2	Bytes	I2	
Hemisphere	49	1	Bytes	A1	'E' or 'W'
Platform Type Code	50	1	Bytes	A1	
Platform I.D. Code	51	3	Bytes	I3	Originator's internal code:
Platform Direction	54	3	Bytes	I3	File 027 Platform I. D. Code
Altitude	57	4	Bytes	I4	Planned course of platform in whole degrees.
					Whole meters

14. FIELD NAME	15. POSITION FROM MEASURED IN BYTES (e.g., 510, 1200)	16. LENGTH		17. APPROPRIATE	18. USE AND MEANING
		NUMBER	UNITS		
Air Speed	61	3	Bytes	I3	Whole knots
Tide Range	64	3	Bytes	A3	*Feet to tenths
Current Speed	67	2	Bytes	I2	Whole knots
Current Direction	69	3	Bytes	I3	Whole degrees true
Ice Codes,					
Type Code	72	1	Bytes	A1	(use File 027 Type Code)
Coverage Codes,					
Octas of thin ice	73	1	Bytes	A1	(use File 027 Coverage Code)
Octas of moderate ice	74	1	Bytes	A1	(use File 027 Coverage Code)
Octas of heavy ice	75	1	Bytes	A1	(use File 027 Coverage Code)
Ice Characteristics Code,					
Of the second greatest coverage	76	1	Bytes	A1	(use File 027 Ice Characteristics Code)
Of the greatest coverage	77	1	Bytes	A1	(use File 027 Ice Characteristics Code)
Deformation Code	78	1	Bytes	A1	(use File 027 Deformation Code)
Transect Width Code	79	1	Bytes	A1	(use File 027 Transect Width Code)
Blank	80	1	Bytes	1X	
<p>* Tide Height - Given in tenths of the Diurnal Range for nearest prediction location. Ref. Tide Tables - High and Low water predictions, National Ocean Survey, NOAA, U.S. Dept. Of Commerce. This provides information as to the actual stage of the tide.</p> <p>Example</p> <p>If the diurnal range for a given area is 20 feet and the predicted height + is eight feet for a falling tide, then the coded entry would be (-04).</p> <p>+ See page 185-186 of the Tide Tables for computation of predicted height for any time.</p>					

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN BYTES (e.g., 110, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '13'
Flight/Station Number	11	10	Bytes	A10	Analogous to NOEC station number
Sequence Number	21	4	Bytes	I4	Ascending order for sorting
Sighting Date-Time,					
Year	25	2	Bytes	I2	00-99
Month	27	2	Bytes	I2	01-12
Day	29	2	Bytes	I2	01-31
Hour	31	2	Bytes	I2	00-23
Minute	33	2	Bytes	I2	00-59
Sighting Latitude,					
Degrees	35	2	Bytes	I2	
Minutes	37	2	Bytes	I2	
Seconds	39	2	Bytes	I2	
Hemisphere	41	1	Bytes	A1	'N' or 'S'
Sighting Longitude,					
Degrees	42	3	Bytes	I3	
Minutes	45	2	Bytes	I2	
Seconds	47	2	Bytes	I2	
Hemisphere	49	1	Bytes	A1	'E' or 'W'
Wind Speed	50	2	Bytes	I2	Whole knots
Wind Direction	52	3	Bytes	I3	Whole degrees
Visibility	55	1	Bytes	A1	WMO 4300
Cloud Type Code	56	1	Bytes	A1	WMO 0500

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Cloud Amount Code	57	1	Bytes	A1	WMO Code 2700
Weather Code	58	2	Bytes	A2	WMO Code 4677
Air Temperature	60	3	Bytes	I3	Whole degrees (if negative, enter minus sign adjacent and to the left of the temperature value) Celsius
Sea State Code	63	1	Bytes	A1	WMO Code 3700
Water Surface Temperature	64	4	Bytes	I4	Degrees Celsius to tenths
Water Color Code	68	2	Bytes	A2	Forel-Ule Scale
Surface Visibility	70	1	Bytes	A1	(use File 027 Surface Visibility Code)
Barometric Pressure	71	4	Bytes	I4	Millibars
Altimeter Angle	75	2	Bytes	I2	Whole degrees
Water Depth	77	4	Bytes	I4	Whole meters

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RECORD NAME Sighting 1 (Marine Mammal Sighting)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN BYTES (0.4, 0.8, 1.6, 3.2)	16. LENGTH NUMBER	17. UNITS	18. DATA TYPE	19. USE AND WEARING
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Flight/Station Number	11	10	Bytes	A10	Analogous to WDC station number
Sequence Number	21	4	Bytes	I4	Ascending order for sorting
Sighting Starting Date-Time					
Year	25	2	Bytes	I2	00-99
Month	27	2	Bytes	I2	01-12
Day	29	2	Bytes	I2	01-31
Hour	31	2	Bytes	I2	00-23
Minute	33	2	Bytes	I2	00-59
Sighting Latitude					
Degrees	35	2	Bytes	I2	
Minutes	37	2	Bytes	I2	
Seconds	39	2	Bytes	I2	
Hemisphere	41	1	Bytes	A1	'N' or 'S'
Sighting Longitude					
Degrees	42	3	Bytes	I3	
Minutes	45	2	Bytes	I2	
Seconds	47	2	Bytes	I2	
Hemisphere	49	1	Bytes	A1	'E' or 'W'
Distance Surveyed	50	6	Bytes	I6	Kilometers to hundredths
Area Surveyed	56	5	Bytes	I5	Whole kilometers squared
Mammal Activity	61	2	Bytes	A2	(use File 027 Mammal Activity Code)



14. FIELD NAME	15. POSITION FROM-1 MEASURED IN BYTES (e.g., 216, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Number of Observers	63	1	Bytes	I1	
Collection Method Code	64	1	Bytes	A1	(use File 027 Collection Method Code)
Group Size	65	3	Bytes	I3	Whole value
Animal Movement Direction	68	3	Bytes	I3	Whole degrees
Units Code for Sighting Distance	71	1	Bytes	A1	(use File 027 Units Code for Sighting Distance)
Distance from Platform	72	3	Bytes	I3	Whole units (as described in unit code)
Bearing to Animals	75	3	Bytes	I3	Whole degrees
Platform Heading	78	3	Bytes	I3	Whole degrees

## RECORD FORMAT DESCRIPTION

RECORD NAME Sighting 2 (Marine Mammal Sighting)

14. FIELD NAME	15. POSITION FROM WHICH MEASURED IN BYTES (e.g., 010, 01000)	16. LENGTH		17. ATTRIBUTE	18. FILE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Flight/Station Number	11	10	Bytes	A10	Analogous to MDC station number
Sequence Number	21	4	Bytes	I4	Ascending order for sorting
Taxonomic Code	25	10	Bytes	5A2	
Subspecies Code	35	2	Bytes	A2	
Behavior Code	37	2	Bytes	A2	(use File 027 Behavior Code)
Confidence Code	39	1	Bytes	A1	(use File 027 Confidence Code)
Number of Individuals	40	5	Bytes	I5	
Confidence Code	45	1	Bytes	A1	(use File 027 Confidence Code)
Number of Adults	46	5	Bytes	I5	
Confidence Code	51	1	Bytes	A1	(use File 027 Confidence Code)
Number of Pups	52	5	Bytes	I5	
Confidence Code	57	1	Bytes	A1	(use File 027 Confidence Code)
Total Subadults	58	5	Bytes	I5	
Confidence Code	63	1	Bytes	A1	(use File 027 Confidence Code)
Total Adult Males	64	5	Bytes	I5	
Confidence Code	69	1	Bytes	A1	(use File 027 Confidence Code)
Total Adult Females	70	5	Bytes	I5	
Marked Animal Code	75	1	Bytes	A1	(use Decision Code)
Static/Telemetry Code	76	1	Bytes	A1	(use File 027 Static/Telemetry Code)
Decomposition Stage Code	77	1	Bytes	A1	(use file 027 Decomposition Stage Code)

# RECORD FORMAT DESCRIPTION

11/11/96

RECORD NAME Sighting 2 (cont'd) (Marine Mammal Sighting)

11b

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN BYTES (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Completeness Code	78	1	Bytes	A1	For individual sighting (Use File 027 Completeness Code)
Blank	79	2	Bytes	2X	

14. FIELD NAME	POSITION INFORMATION		DATA		REMARKS
	FROM MOBILE IN BYTES	NUMBER	DATA	DATA	
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '6'
Flight/Station Number	11	10	Bytes	A10	Analogous to HODC station number
Sequence Number	21	1	Bytes	I1	Ascending order for sorting
Distance from Ice Edge	25	5	Bytes	I5	Nautical miles to tenths
Distance from Shore	30	5	Bytes	I5	Nautical miles to tenths
Identification Reliability	35	1	Bytes	A1	Use File 027 Identification Reliability Code
Flare Area Code	36	1	Bytes	A1	
is Code	37	1	Bytes	A1	
Text	38	9	Bytes	9/L	
Blank	47	36	Bytes	36X	

# RECORD FORMAT DESCRIPTION

3-27-76

12

RECORD NAME Text (Marine Mammal Sighting)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '027'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '7'
Flight/Station Number	11	10	Bytes	A10	Analogous to NOEC station number
Sequence Number	21	4	Bytes	I4	Ascending order for sorting
Text	25	56	Bytes	56A1	Any alphanumeric information

RECORD NAME ICE (Marine Mammal Sighting)

Not used in this dataset

1. FIELD NAME	2. POSITION FROM: MEASUREMENT IN BYTES	3. LENGTH IN BYTES	4. DATA TYPE	5. COMMENTS
File Type	1	3 Bytes	A3	Always '027'
File Identifier	4	6 Bytes	A6	
Record Type	10	1 Bytes	I1	Always '8'
Flight/Station Number	11	10 Bytes	A10	Analogous to MDC station number
Sequence Number	21	4 Bytes	I4	Ascending order for sorting
Sighting Date-Time,				
Year	25	2 Bytes	I2	00-99
Month	27	2 Bytes	I2	01-12
Day	29	2 Bytes	I2	01-31
Hour	31	2 Bytes	I2	00-23
Minute	33	2 Bytes	I2	00-59
Sighting Latitude,				
Degrees	35	2 Bytes	I2	
Minutes	37	2 Bytes	I2	
Seconds	39	2 Bytes	I2	
Hemisphere	41	1 Bytes	A1	'N' or 'S'
Sighting Longitude,				
Degrees	42	3 Bytes	I3	
Minutes	45	2 Bytes	I2	
Seconds	47	2 Bytes	I2	
Hemisphere	49	1 Bytes	A1	'E' or 'W'
Ice Codes,				
Type Code	50	1 Bytes	A1	(use File 027 Type Code)
Octas of Thin Ice	51	1 Bytes	A1	(use File 027 Coverage Code)

RECORD NAME ICE (Marine Mammal Sightings) 1974-1975

FIELD NAME	NUMBER OF RECORDS		UNIT	DATA TYPE	REMARKS AND COMMENTS
	MEASURED	INDEXES			
		NUMBER	UNITS		
Characteristics of Thin Ice	52	1	Bytes	A1	(use File 027 Ice Characteristics Code)
Octas of Moderate Ice	53	1	Bytes	A1	(use File 027 Coverage Code)
Characteristics of Moderate Ice	54	1	Bytes	A1	(use File 027 Ice Characteristics Code)
Octas of Heavy Ice	55	1	Bytes	A1	(use File 027 Coverage Code)
Characteristics of Heavy Ice	56	1	Bytes	A1	(use File 027 Ice Characteristics Code)
Deformation Code	57	1	Bytes	A1	(use File 027 Deformation Code)
Transect Width Code	58	1	Bytes	A1	(use File 027 Transect Width Code)
Blank	59	22	Bytes	22X	