DDF-B:1:04 | TR1059-TR1086 | ACCESSION NUMBER | 76-1881

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. Howard W. Braham
National Marine Fisheries Service
Marine Mammal Division
7600 Sand Point Way, N.E.
Seattle, Washington 98115

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

OCSEAP - R.U. No. 14, 67, 69

File Type 026

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

File I.D. No.'s
075761 to 172761

28 File IDs

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
Gruman N780 Super Goose	Aircraft	USA	USA	760315	760620

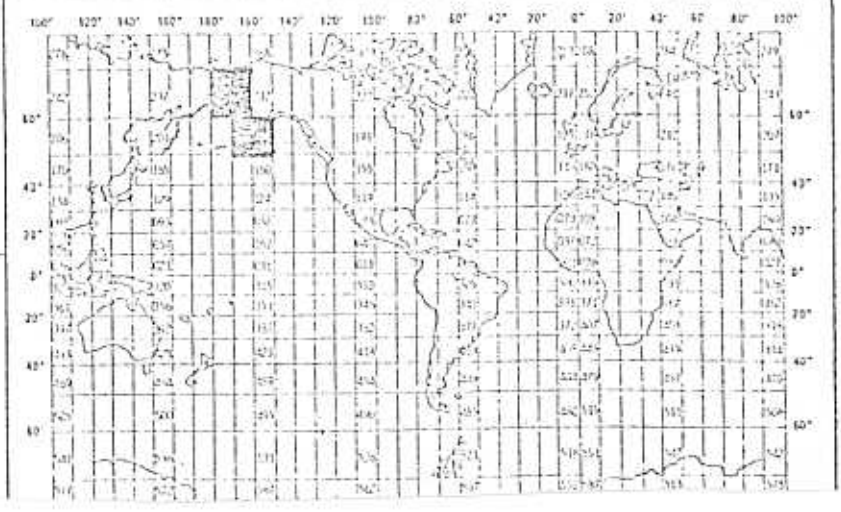
8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Dr. Howard W. Braham
FTS 399-4718

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
Leg/Sequence (Record Type "1")	GMT	Begin and ending Time		
	Julian	Date		
	Degrees	Lat.-Long.		
	Nautical Miles	Leg Distance		
Track/Environment (Record Type "2")	Meters	Altitude		
	Nautical Miles	Track widths (sectors)		
	WMO Code	Visibility		
	C°	Air Temperature		
		Wind		
	Degrees (TN)	direction		
	Knots	speed		
	WMO Code	Weather		
Ice (Record Type "3")	OCS Ice Code	Ice Identification		
Species/Sighting (Record Type "4")	OCS Taxonomic Code	Species Identification		
		Numbers of animals seen by sector		
	Nos.	Adults		
	Nos.	Pups		
Animal Groups (Record Type "5")	Nos.	Groups sizes		
Comments (Record Type "6")	-	General survey information		

C. DATA FORMAT

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

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

Record Type	Identifying Terms (functional)
one - "1"	Leg/Sequence card
two - "2"	Survey Track/Environmental card
three - "3"	Ice Code Identification card
four - "4"	Species/Sighting card
five - "5"	Animal Groups card
six - "6"	Comments/Text card

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Standard ANSI1 label followed by 8 blocks each of 4500 character length. The last block is filled with blanks after the last record. Each block contains 55 records each 80 characters long.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bruce Krogman and Ronald Sonntag

ADDRESS Marine Mammal Division, NWAFC, NMFS, 7600 Sand Point Way, N.E. Seattle, WA 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE: ☐ BCD ☐ BINARY ☐ ASCII ☒ EBCDIC ☐ _____

5. NUMBER OF TRACKS (CHANNELS): ☐ SEVEN ☒ NINE ☐ _____

7. PARITY: ☒ ODD ☐ EVEN

8. DENSITY: ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☒ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK: ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

14 67 69 026 075761
Aerial Survey (Bering Sea)
76/03/15-76/06/20 Braham, H.W.
9-Track, 800BPI, Odd Parity, EBCDIC

12. PHYSICAL BLOCK LENGTH IN BYTES: 4500

13. LENGTH OF BYTES IN BITS: 8

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026 Leg/Sequence Card Record Type 1

14. FIELD NAME	15. POSITION FROM 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES N=numeric A=alphanumeric	18. USE AND MEANING
File Type	1-3	3	Bytes	N	026
File I.D.	4-9	6	"	N	Julian date, year and number of cruises on this day/or any arbitrary constant
Record Type	10	1	"	N	1
Flight/Station/ Leg Number	11-20	10	"	N	
Sequence No.	21-24	4	"	N	
Year	25-26	2	"	N	Starting Date - Time (GMT)
Month	27-28	2	"	N	
Day	29-30	2	"	N	
Hours	31-32	2	"	N	
Minutes	33-34	2	"	N	
Degrees	35-36	2	"	N	Starting Latitude
' utes	37-38	2	"	N	
Seconds	39-40	2	"	N	
N or S	41	1	"	A	
Degrees	42-44	3	"	N	Starting Longitude
Minutes	45-46	2	"	N	
Seconds	47-48	2	"	N	
E or W	49	1	"	A	
Hours	50-51	2	"	N	End Time
Minutes	52-53	2	"	N	
Degrees	54-55	2	"	N	Ending Latitude
Minutes	56-57	2	"	N	"
Seconds	58-59	2	"	N	
N or S	60	1	"	A	Ending Latitude
Degrees	61-63	3	"	N	Ending Longitude
Minutes	64-65	2	"	N	
Seconds	66-67	2	"	N	
W or E	68	1	"	A	
rs	69-70	2	"	N	Elapsed time
Minutes	71-72	1	"	N	

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026 Leg/Sequence Card Record Type 1, continued.

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
Distance along track	73-77	5	Bytes	N	i.e. Length of leg in nautical miles to the tenth, i.e. col 77 = tenths.
Number of observers	78	1	"	N	Making sightings at one time during that leg.
Leg Type	79	1	"	N	1 = Random transect 2 = Dead head 3 = General survey 4 = Systematic Leg types 1 or 4 would constitute survey work appropriate for distribution, density and abundance estimates. Leg type 3 is suitable for distribution analysis.
Blank	80	1	"		

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026 Survey trade/Environment card Record Type 2.

FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1-3	3	Bytes	N	026
File I.D.	4-9	6	"	N	Julian date, year and number of cruises on this day/or any arbitrary constant.
Record Type	10	1	"	N	2
Flight/Station/ Leg Number	11-20	10	"	N	
Sequence No.	21-24	4	"	N	
Platform Type	25	1	"	N	= 2 i.e. aircraft
Platform I.D.	26-28	2	"	N	001 = OAS P-2V N48347 002 = OAS Grumman Super Goose 003 = NARL Twin Otter 004 = Widgeon
Platform Direction	29-31	3	"	N	Degrees from True North
titude	32-35	4	"	N	In Meters (right justified)
True Ground Speed	36-38	3	"	N	In Knots (right justified)
Primary Tract Width	39-43	5	"	N	In Nautical Miles to the hundreth, i.e. cols 42-43 = hundreths
Secondary Tract width	44-48	5	"	N	(as above in n.m. to hundredths)
Total Tract width	49-54	5	"	N	(as above)
Total area surveyed	55-58	4	"	N	for primary tract rounded to whole nau. miles and right justified.
Total area surveyed	59-62	4	"	N	for secondary tract (as above)
Blank	63	1	"		
Visibility	64	1	"	N	WMO 4300
Cloud Amount	65	1	"	N	WMO 2700
Air Temperature	66-68	3	"	N	rounded to whole °C and right justified
Wind direction	69-71	3	"	N	in degrees true (right justified)
nd velocity	72-73	2	"	N	in knots (right justified)
Blank	74	1	"		
Sea State	75	1	"	N	WMO 3700
Weather	76-77	2	"	N	WMO code 4677
Blank	78-80	3	"		

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026, Ice Code Identification Card, Record Type 3

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1-3	3	Bytes	N	026
File I.D.	4-9	6	"	N	Julian date, year and number of cruises on this day/or any arbitrary constant.
Record Type	10	1	"	N	3
Flight/Station/ Leg Number	11-20	10	"	N	
Sequence No.	21-24	4	"	N	
Hours	25-26	2	"	N	} = Time 1
Minutes	27-28	2	"	N	
Gross ice type	29	1	"	N	(1 = Drift) (2 = fast) (3 = open water)
Octas of thin ice	30	1	"	N	describing — code varies 1-8.
Numeric ice code	31	1	"	N	
Octas of medium thickness ice	32	1	"	N	describing
Numeric Ice code	33	1	"	N	
Octas of thick ice	34	1	"	N	describing
Numeric ice code	35	1	"	N	
Deformation or rifting code	36	1	"	N	
Track width	37	1	"	N	1st ice recording
Time 2	38-41	4	"	N	new or changed ice types by time.
Ice 2	42-50	9	"	N	
Time 3	51-54	4	"	N	
Ice 3	55-63	9	"	N	
Time 4	64-67	4	"	N	
Ice 4	66-76	9	"	N	
Blank	73-80	8	"		

This record 3 is repeated, for as many new ice observations that are made during a leg. The second record 3 would immediately follow the first rec. 3; the 2nd containing obs. 5-8, etc.

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026, Specie Id/Sighting card, Record Type 4

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1-3	3	Bytes	N	026
File I.D.	4-9	6	"	N	Julian date, year and number of cruises on this day/or any arbitrary constant.
Record Type	10	1	"	N	1
Flight/Station/ Leg Number	11-20	10	"	N	
Sequence No.	21-24	4	"	N	
Taxonomic code	25-34	10	"	N	(left justified)
Subspecific code	35-36	2	"	N	
Total number of individuals	37-41	5	"	N	of indicated species (i.e. cols 25-34) seen in primary tract
Confidence code	42	1	"	N	refers to cols. 37-41.
Total number of individuals	43-47	5	"	N	seen in secondary tract (right justified) also applies to cols 37-41.
Confidence code	48	1	"	N	refers to cols 43-47
Total number of individuals	49-53	5	"	N	seen in primary and secondary tract
Confidence code	54	1	"	N	refers to cols 49-53
Total # of pups	55-57	3	"	N	seen in primary tract.
Total number of pups	58-60	3	"	N	seen in secondary tract (right justified)
Total number of observations	61-63	3	"	N	(=sightings) of animals seen in primary tract
Total number of observations	64-66	3	"	N	(=sightings) of animals seen in secondary tract.
Marine Mammal Activity code	67-68	2	"	N	
Blank	69-72	4	"	-	Burns internal code (MMD will leave it blank)
Total number of all animals	73-77	5	"	N	of the indicated species (again cols 25-34) seen on that leg. Total=# in primary and # in secondary and # outside and any animals unassigned to a sector (right justified). This is currently an internal utilization of these cols as EDS has deemed them blank.

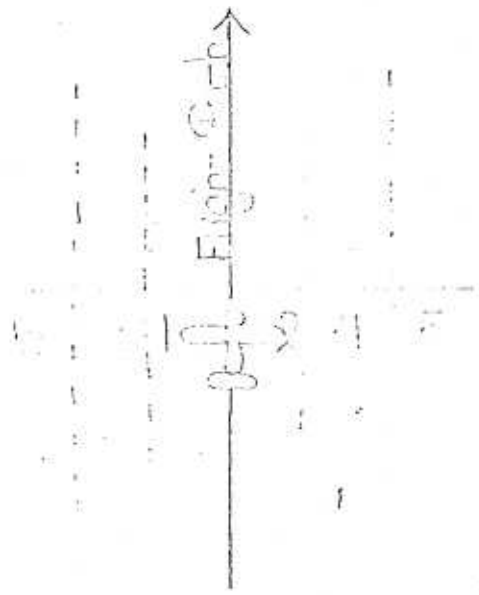
RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026 Specie Id/Sighting card, Record Type 4, Continued

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Blank	78-80	3	Bytes		Note - There should be one record type 4 card for every species seem on a leg. After each record 4, there will be placed all of the record 5 type cards describing the species respectively.

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026, Animal Groups card, Record Type 5

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1-3	3	Bytes	N	026
File I.D.	4-9	6	"	N	Julian date, year and number of cruises on this day/or any arbitrary constant.
Record Type	10	1	"	N	1
Flight/Station Leg Number	11-20	10	"	N	
Sequence Number	21-24	4	"	N	
Taxonomic code	25-34	10	"	N	
Subspecies code	35-36	2	"	N	
Hours	37-38	2	"	N	
Minutes	39-40	2	"	N	
Sector	41	1	"	N	 Sectors 1 and 2 may be combined (i.e. treated as one larger sector) = sector 6. Sector 3 and 4 together may be treated as sector 7. Sectors 1-7 will be used when leg type (col 79, record 1) has been designated as a type 1 or 4. All observations-regardless of sector-will be assigned as sector 8 when leg type is 2 or 3 (col 79, record 1).
First observation of <100 animals	42-43	2	"	N	If less than 11 observations made, leave remaining slots blank, if more than 11 observations made, then repeat with as many record 5's as needed (cont'd)
2nd "	44-45	2	"	N	
3rd "	46-47	2	"	N	
4th "	48-49	2	"	N	
5th "	50-51	2	"	N	
6th "	52-53	2	"	N	
7th "	54-55	2	"	N	
8th "	56-57	2	"	N	

. RECORD FORMAT DESCRIPTION

R ORD NAME File Type 026, Animal Groups Card, Record Type 5, Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
9th Observation of <100 animals	58-59	2	Bytes	N	(cont'd) with cols 1-41 remaining constant. Columns 42-43 would contain the 12th observation, etc.
10th "	60-61	2	"	N	
11th "	62-63	2	"	N	
First observation of >99 and <1000 animals	64-66	3	"	N	Same logic as above.
2nd "	67-69	3	"	N	
3rd "	70-72	3	"	N	
First observation of >999 animals	73-76	4	"	N	Same logic as above.
2nd "	77-80	4	"	N	
					The number of animals and observations by sector on the record 5's should ive with that specified on the preceeding record type 4. Note - a new record 5 is required each time that time chamges (i.e. one minute intervals). Record 5's are needed for only those times when observations were made.

RECORD FORMAT DESCRIPTION

RECORD NAME File Type 026, Text card, Record Type 6.

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1-3	3	Bytes	N	026
File I.D.	4-9	6	"	N	Julian date, year and number of cruises on this day/or any arbitrary constant.
Record Type	10	1	"	N	1
Flight/Station Leg Number	11-20	10	"	N	
Sequence Number	21-24	4	"	N	
Text	25-80	56	"	A	Any alphanumeric text describing special conditions which will affect the evaluation of a preceeding card or set of cards. Record 6's may appear anywhere with the record string, e.g. between record 1 and 2. The specific card(s) that a record 6 is referenced to should be specified in the text, unless the card modifies only one record, and then the placement of that record 6 immediately after the card in question should be reference enough.

Record Type 1																														
File Type 026	File I.D.	Record Type	Flight / Station & Leg Number	Sequence Number	Year	Month	Day	Hour	Min.	Start Lat.				Start Long.				End Time		End Lat.				End Long.				Elapsed Time		Distance along Track
										DEG.	MIN.	SEC.	N or S	DEG.	MIN.	SEC.	E or W	Hour	Min.	DEG.	MIN.	SEC.	N or S	DEG.	MIN.	SEC.	E or W	Hour	Min.	

Record Type 2																							
File Type	File I.D.	Record Type	Flight/Station & Leg Number	Sequence Number	Platform Type	Platform I.D. Code	Platform Direction (Deg)	Altitude (metres)	True Ground Speed (Knots)	Primary Track Width (nautical miles)	Secondary Track Width (nautical miles)	Total Track Width (nautical miles)	Total Area Surveyed Primary Track	Total Area Surveyed Secondary Track	Visibility	Cloud Amount	Air Temp °C	Wind Direction (deg)	Wind Speed (knots)	[illegible]	[illegible]	Weather	

Record Type 3																		
File Type	File I.D.	Record Type	Flight/Station & Leg Number	Sequence Number	Time		Ice Code											
					Hours	Mins.	Type	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

Record Type 4																		
File Type	File I.D.	Record Type	Flight/Station & Leg Number	Sequence Number	Taxonomic Code	Subspecies	Sex	Total # Individuals Primary Track	Sequence	Total # Individuals Secondary Track	Confidence	Total # Individuals Primary + Secondary Track	Confidence	Total # pups Primary Track	Total # pups Secondary Track	Total # Observations Primary Track	Total # Observations Secondary Track	Activity	Code		Total # of Animals (all Species)

Record Type 5																										
File Type	File I.D.	Record Type	Flight/Station & Leg Number	Sequence Number	Taxonomic Code	Subspecies	Sex	Time		Sequence	Observations of < 100 Animals											Obs. > 99 and < 1000 Animals			Obs. > 999 Animals	
								Hours	Mins.		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	1st	2nd	3rd	1st	2nd

Record Type 6					
File Type	File I.D.	Record Type	Flight/Station & Leg Number	Sequence Number	ALPHA-NUMERIC TEXT

C. DATA FORMAT

USER TAPE

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

Six distinct record types: (1) Leg/Sequence Identifier; (2) Environmental; (3) Ice Identification; (4) Species; (5) Animal Group; and (6) Text differentiated by byte 1Ø.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

One physical file containing data sorted by FILE ID (Track NO.) and station number. Within each station data is sorted by record type.

NOTE: File 1 contains 27 distinct cruises, each with a unique track number (TR1060 thru TR1086).

File 2 contains TR1Ø59

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Pete Topoly 4-75Ø5
ADDRESS DSF&I Branch D752

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☐ ODD
☒ EVEN

8. DENSITY
☐ 200 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH
☐ _____

10. END OF FILE MARK
☒ OCTAL 17
☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

VOL=SER=ØØ78Ø6
LABEL=(1,SL)
DSN=TR1Ø6Ø
LRECL=8Ø
BLKSIZE=48ØØ

12. PHYSICAL BLOCK LENGTH IN BYTES
48ØØ

13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME 76-1881 ~~TR1060 - TR1086~~ TR1059

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
OCSEAD FILE 026 TR1059				(1)	2nd FILE OF USER TAPE 007806 PUT ON 2nd FILE OF ORIGATOR'S COPY 003937 AS BACKUP
				(2)	RECORD TYPE '1' TIME FIELDS WERE ZEROED IN.

NOAA FORM 24-13

USCOMM-DC 44289-P72

10-12-77

76-1881

format Ø27 → no positions

format Ø26 → TR1Ø59 = Ø75761

1. Set up separate disk file containing only Ø75761. ✓
2. Change " to TR1Ø59. ✓
3. Run NSDCHEK and NAPISCT on TR1Ø59. ✓
4. Add TR1059 to user tape.

5. Copy originator's tape in its entirety ✓

026

SDF1 020131
SDF2 001530
ANSI 000327

TR 547-550, 757, 1059-1086, 3261

10,164

revision no: 76-1881
OLSEAT