


8800018

TO: E/OC12 - C. Noe 
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo
DATE: May 19, 1988
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVE AND INVENTORIES BRANCH (E/OC11)

----- Level II and III -----

C/STD (F022/C022)


Acc: 8800018 Ref: TV0365 - 371 509 sta. 36,145 records
319772 - 7; 329541

NOAA-PMEL

OCSEAP and FOCI Projects

OCEANOGRAPHER
CHAPMAN
MILLER FREEMAN

cc: Division Director

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PROCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800018	TV0365	F022		313F	31FN	MF84-05	07/31/84	09/13/84	182	2,704
8800018	TV0366	F022		313F	31FN	MF84-05	01/23/85	02/14/85	36	558
8800018	TV0367	F022		313F	32YN	FISH-FRONT	09/08/82	09/12/82	59	1,299
8800018	TV0368	F022		313F	31FN	MF83-01	02/13/83	02/24/83	41	784
8800018	TV0369	F022	0081	313F	31OC	RP4-86	08/22/86	09/17/86	93	787
8800018	TV0370	F022	0174	313F	31MF	RIBS 86-1	02/16/86	02/28/86	44	9,339
8800018	TV0371	F022	0174	313F	31MF	OCT 86	10/24/86	11/05/86	24	20,676

CTD PMEL Seattle

~~Gulf of Alaska~~PROJECT
IDENTIFICATIONMISSION NO. 8800018

FILETYPE

TRACK NO.

CTD PMEL SEATTLE

TV0365-371

~~GULF OF ALASKA~~ BERING SEA

DATE

INIT.

TAPE OR
DISK DSNNO.
FILES LRECL BLK SIZE RECORDS

1. TAPE	02/08/88	CMH	A00639	10	80	4000	102227
2. DUPLICATE TAPE	02/08/88	CMH	A00639 W14219 *	10	80	4000	
3. UNFORMATTED TAPE							
4. UNFORMATTED DISK	5/17/88	R.P.S.	DNODC * GOOD PMEL OUT	1	120	224	36145
5. 1ST MULCHEK	6/7/88	CB	SB2 DATA TV0365	1	120		36105
6. 2ND MULCHEK							
7. 3RD OR F022	6/8/88	CB	F022. TV0365/F022	1	120		36105
8. DATA SET FINALIZED							

9. ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: Tapes are 9 TRK, ASCII, NL, 1600 bpi
* DNODC * 8800018-01

NONE

10. ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

NONE

11. COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NONE

R00639

BERING SEA - 10 CRUISES

FID	DATES	PLATFORM	PROJECT	
MF-84-05(LEG 1)	7/31/84 - 8/19/84	MILLER FREEMAN		
MF-84-05(LEG 2)	8/25/84 - 9/13/84	"		
RP4-MF-85(LEG 2)	1/23/85 - 2/14/85	"		
FISH-FRONT	9/7/82 - 9/11/82	CHAPMAN		
MF-83-01(LEG 2)	2/13/83 - 2/24/83	MILLER FREEMAN		
RP4-OC-86(LEG 1)	8/21/86 - 8/26/86	OCEANOGRAPHER	OCSEAP	
RP4-OC-86(LEG 2)	2/28/86 - 9/5/86	"	"	
RP4-OC-86(LEG 3)	9/5/86 - 9/16/86	"	"	
RIBS 86-1	2/16/86 - 2/28/86	MILLER FREEMAN	F-OCI	
OCT 86	10/23/86 - 11/4/86	"	"	

TRANSMITTAL AND RECEIPT RECORD

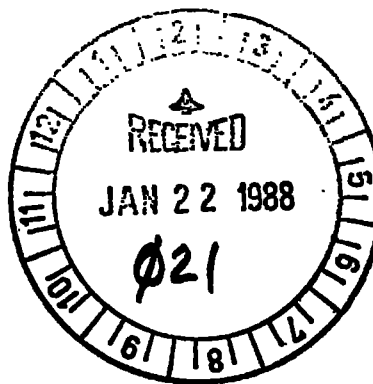
(Please sign and return carbon copy acknowledging receipt)

TO: NOAA/NESDIS/NODC 1825 Connecticut Ave NW Washington DC 20235	REFER TO
	ATTENTION E/OC13, Dr. Anthony R. Picciolo
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY	
<input type="checkbox"/> ORDINARY MAIL <input type="checkbox"/> REGISTERED MAIL <input type="checkbox"/> AIR MAIL <input checked="" type="checkbox"/> CERTIFIED MAIL <input type="checkbox"/> GOVERNMENT TRUCK <input type="checkbox"/> BY HAND <input type="checkbox"/> OTHER	
Cert. no. 523155	

Enclosed, find two (2) magnetic data tapes and their associated documentation as received from Mr. David Kachel, NOAA/PMEL. The data tapes are supposed to have written to them a total of 11,965 usable casts of CTD data (1 each) from the Bering Sea and Gulf of Alaska.

*PLEASE NOTE - The first dataset on the Gulf of Alaska data tape RP22-FA-84(leg 1) contains bad data points. This problem was not discovered until the tapes were written. Please scratch this file from the tape and do not include it in processing and archival.

Tape specs. - 9 track, ASCII, unlabelled, odd parity, 1600 bpi with 80 chars/record and 4000 chars/block.



cc: Mr. David Kachel, NOAA/PMEL

8800018

A00639

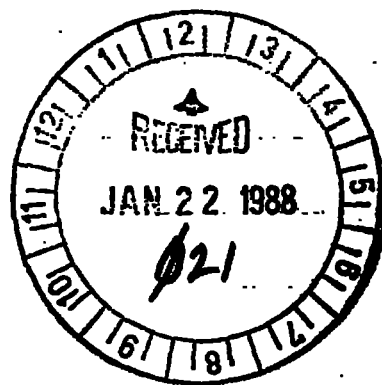
A00640

FORWARDED BY (Signature) <i>Sid Stillwaugh</i> Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 1-15-88
RECEIVED BY (Signature) <i>F. Mitchell</i> F. Mitchell	TITLE	DATE RECEIVED 1-22-88

Mitch,

Enclosed are two CTD data tapes I received from PMEL recently. This note (also on transmittal) is to remind you that the first Gulf of Alaska dataset ~~box~~ is questionable and should not be included in the archival and processing. Please scratch this file RP22-FA-84 (leg 1). The rest should be OK. This problem, as I indicated, wasn't discovered until the tapes were created.

Sid Stillwaghn



NOAA Pacific Marine Environmental Lab. 8-JAN

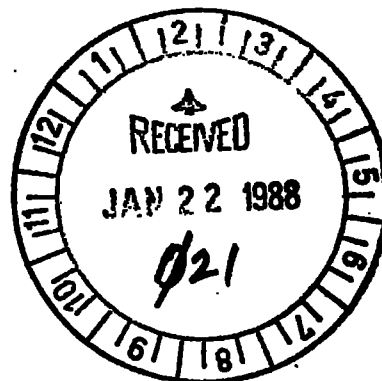
RRRRRRRRRR
RRRRRRRRRR
RRRRRRRRRR

K	K	AAA		CCCC	H	H	EEEEEE	L
K	K	A	A	C	H	H	E	L
K	K	A	A	C	H	H	E	L
KKK		A	A	C	HHHHH		EEEE	L
K	K	AAAAA		C	H	H	E	L
K	K	A	A	C	H	H	E	L
K	K	A	A	CCCC	H	H	EEEEEE	LLLLL

SSSS	III	DDDD
S	I	D
S	I	D
SSS	I	D
S	I	D
S	I	D
SSSS	III	DDDD

PPPP	RRRR	III	N	N	TTTT	33	333			
P	P	R	R	I	N	N	T	33	3	3
P	P	R	R	I	NN	N	T			3
PPPP	RRRR	I	N	N	N	T	33			3
P		R	R	I	N	NN	T	33		3
P		R	R	I	N	N	T	3		3
P		R	R	III	N	N	T	3		333

BERING SEA



File #1\$DUA0: [1]SID.PRINT:3 (4236,12,0), last revised on 8-JAN-1988 09:40, is a 13 block sequential file owned by UIC [KACHEL]. The records are variable length with implied (CR) carriage control. The longest record is 39 bytes.

Job 10 (938) queued to MVP on 8-JAN-1988 09:40 by user KACHEL, UIC [KACHEL],
account BR3A735D at priority 100. Started on printer _BETA\$TXAF: on
8-JAN-1988 09:40 from queue MVP.

2411	100R
2412	100R
2413	100R

[illegible]

RRRRRRRRRR
RRRRRRRRRR
RRRRRRRRRR

Bering Sea CTD

MF-84-05L1 FREEMAN TRAYNOR

Latitudes 54.76 to 60.61

Longitudes 158.38 to 178.86

842131304 to 842321344

Your reference no 4263 to 4310

Master reference no 4263 to 4310

48 casts

MF-84-05L2 FREEMAN COE

Latitudes 55.56 to 58.19

Longitudes 161.94 to 172.01

842380745 to 842571116

Your reference no 4311 to 4444

Master reference no 4311 to 4444

134 casts

RP4MF85L2 FREEMAN FISK

Latitudes 54.99 to 58.02

Longitudes 159.59 to 165.20

850231258 to 850450906

Your reference no 4445 to 4480

Master reference no 4445 to 4480

36 casts

FISH-FRONT CHAPMAN INGRAM

Latitudes 53.92 to 57.85

Longitudes 162.91 to 167.91

822510200 to 822552037

Your reference no 4481 to 4539

Master reference no 470 to 528

59 casts

MF83-01 L2 MILLERFREE FISK/COE

Latitudes 53.84 to 57.66

Longitudes 159.60 to 168.86

830440204 to 830550826

Your reference no 4540 to 4580

Master reference no 529 to 569

41 casts

RP4OC86L01 OCEAO OVERLAND

Latitudes 62.90 to 72.51

Longitudes 160.87 to 172.23

862341709 to 862393240

Your reference no 4581 to 4600

Master reference no 4581 to 4600

20 casts

RP4OC86L02 OCEAO HAMEEDI

Latitudes 0.00 to 72.61

Longitudes 0.00 to 168.63

862410144 to 862491202

Your reference no 4601 to 4644

Master reference no 4601 to 4644

44 casts

RP40C86L03 OCEAD HAMEEDI
Latitudes 65.76 to 68.34
Longitudes 162.98 to 168.85
862491519 to 862602154
Your reference no 4645 to 4673
Master reference no 4645 to 4673
29 casts

RIBS 86-1 MF JDSCHU
Latitudes 53.04 to 55.85
Longitudes 166.79 to 178.32
860470155 to 860591322
Your reference no 4674 to 4717
Master reference no 8 to 51
44 casts

OCT86 MF Reed
Latitudes 52.08 to 57.53
Longitudes 167.10 to 177.19
862970355 to 863091041
Your reference no 4718 to 4791
Master reference no 14 to 87
74 casts

Total casts = 4791

7174

11965

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235


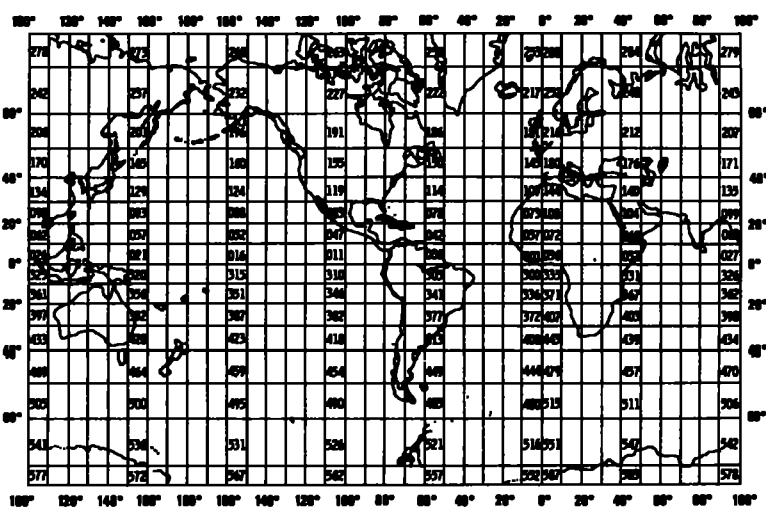
FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.

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 NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Distribution of Young of the Year Pollock in the Eastern Bering Sea		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-84-05			
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 7/31/84 8/19/84		
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. Jimmie Traynor NOAA/NMFS/NWAF (206)526-4164					

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

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

Description of Tape format for CTD Profile Data

Unlabelled, 9 track, 1600 cpi, ascii, 80 characters/record,
4000 characters/block

Casts are stored 1 per file

^ cruise

Record 1

station name(a10) = station name
cruise name(a10) = cruise name
ship name(a10) = ship name
chief scientist = chief scientist

Record 2

cast(i10) = cast number
depth(i10) = water depth in meters
time(i10) = time at depth(yydddhhmm)

Record 3

top(f10.1) = Pressure of first measurement
alat(f10.4) = latitude
alon(f10.4) = longitude

Record 4

name 1(a10) = Variable 1 name
name 2(a10) = Variable 2 name

name n(a10) = Variable n name

Record 5

units 1(a10) = Variable 1 units
units 2(a10) = Variable 2 units

units n(a10) = Variable n units

Record 6 - end of file(Data records)

value 1(f10.4) = Variable 1 value
value 2(f10.4) = Variable 2 value

value n(f10.4) = Variable n value

* Days are julian days

** Time is Z time

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bin, bytes)</small>	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		

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(see opposite page)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Mr. David Kachel, (206) 526-6195

ADDRESS NOAA/PMEL, 7600 Sand Point Way NE, Seattle, Wa. 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input 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 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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) Bering Sea CTD data sets 10 cruises, 4791 casts of data 9 track, ASCII, 1600bpi, unlabelled 80 chars/rec., 4000 chars/block
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 13. LENGTH OF BYTES IN BITS

RECORD FORMAT DESCRIPTION

RECORD NAME[illegible]

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 (✓)	

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

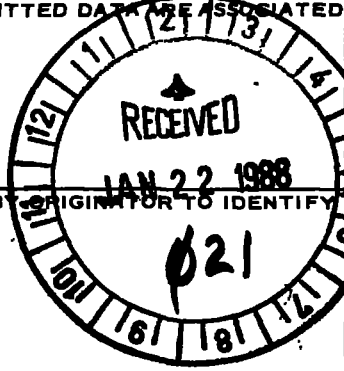
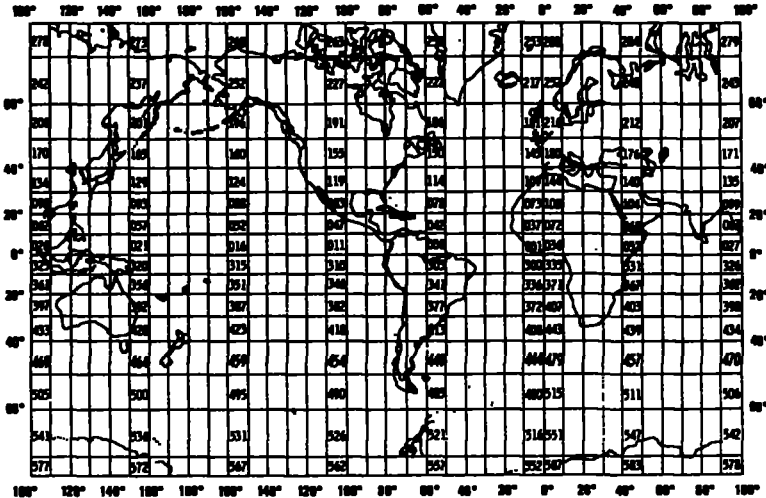
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.

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 NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-84-05 (log 2)			
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR U.S. U.S.		7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 8/25/84 9/13/84	
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) James M. Coe NOAA/NMFS/NWAFRC (206) 526-4009			

DATA DOCUMENTATION FORM

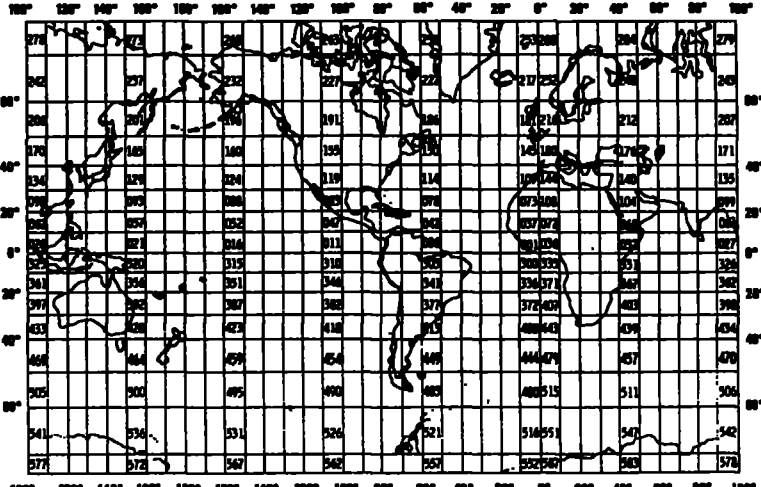
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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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 NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Eastern Bering Sea Winter Crab Survey		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP4-MF-85 (leg. 2)									
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>U.S.</td><td>U.S.</td></tr></tbody></table>	PLATFORM	OPERATOR	U.S.	U.S.	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>1/23/85</td><td>2/14/85</td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	1/23/85	2/14/85
PLATFORM	OPERATOR										
U.S.	U.S.										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
1/23/85	2/14/85										
8. ARE DATA PROPRIETARY? <input 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) Donald Fisk NOAA/NMFS/NWAFB (206) 526-4153											

DATA DOCUMENTATION FORM

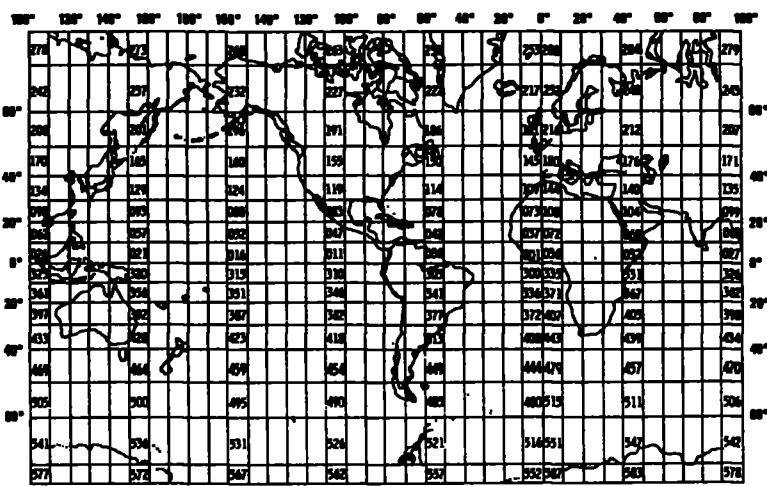
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FISH-FRONT	
4. PLATFORM NAME(S) Chapman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 9/7/82 9/11/82
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) James Ingraham NOAA/NMFS/NWAFB (206) 526-4241			

DATA DOCUMENTATION FORM

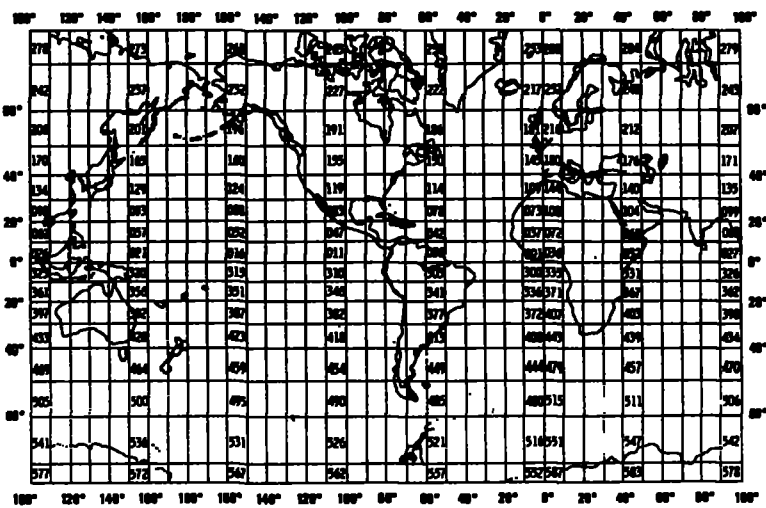
NOAA FORM 24-13
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-83-01 (leg 2)									
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>U.S.</td><td>U.S.</td></tr></tbody></table>	PLATFORM	OPERATOR	U.S.	U.S.	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>2/13/83</td><td>2/24/83</td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	2/13/83	2/24/83
PLATFORM	OPERATOR										
U.S.	U.S.										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
2/13/83	2/24/83										
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 									
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DATA DOCUMENTATION FORM

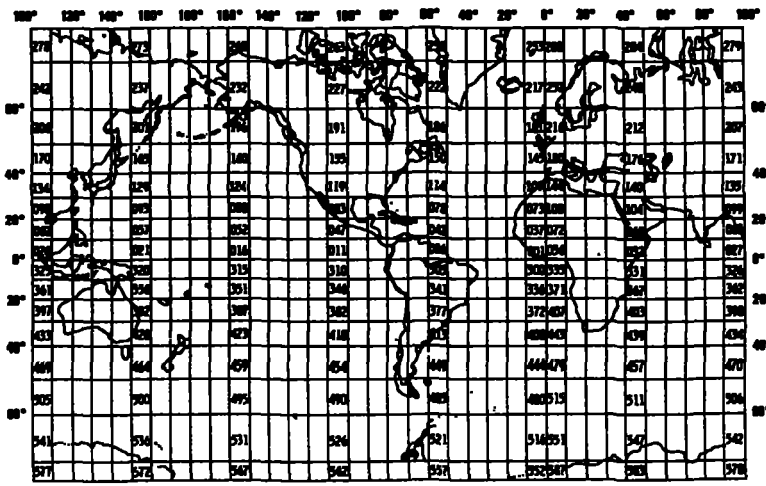
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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EXPIRES 2/29/87

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Outer Continental Shelf Environmental Assessment Project (OCSEAP)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP4-OC-86 (leg 1)	
4. PLATFORM NAME(S) Oceanographer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 8/21/86 8/26/86
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. James Overland (206) 526-6795			

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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NOAA/PMEL/R/E/PM Bin C15700/BLDG. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
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Outer Continental Shelf Environmental Assessment Project (OCSEAP)		RP4-OC-86 (leg 2)	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	8/28/86 9/5/86
8. ARE DATA PROPRIETARY?		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		GENERAL AREA 	
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<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. Jawed Hameedi OCSEAP Program Office (907)271-3036			

DATA DOCUMENTATION FORM

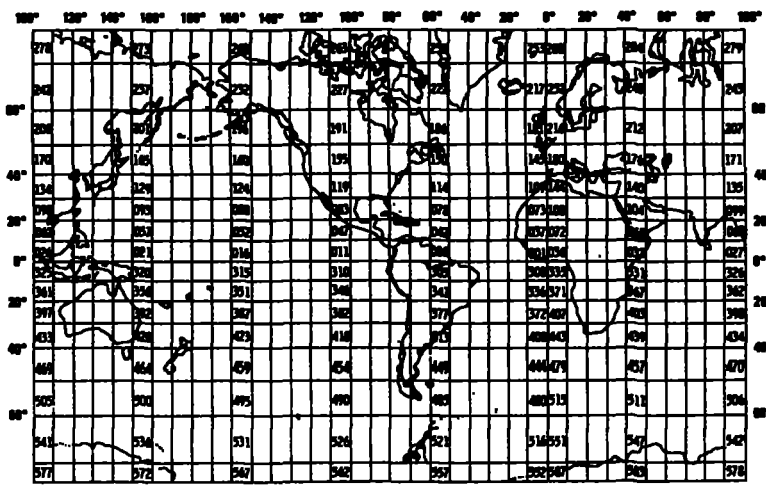
NOAA FORM 24-13
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Outer Continental Shelf Environmental Assessment Project (OCSEAP)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP4-OC-86 (leg 3)	
4. PLATFORM NAME(S) Oceanographer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 9/5/86 9/16/86
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
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DATA DOCUMENTATION FORM

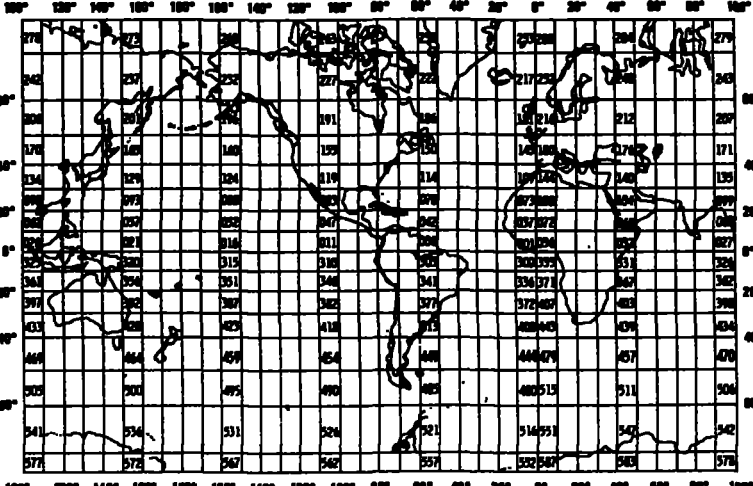
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Fisheries-Oceanography Cooperative Investigations		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RIBS 86-1	
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 2/16/86 2/28/86
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
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DATA DOCUMENTATION FORM

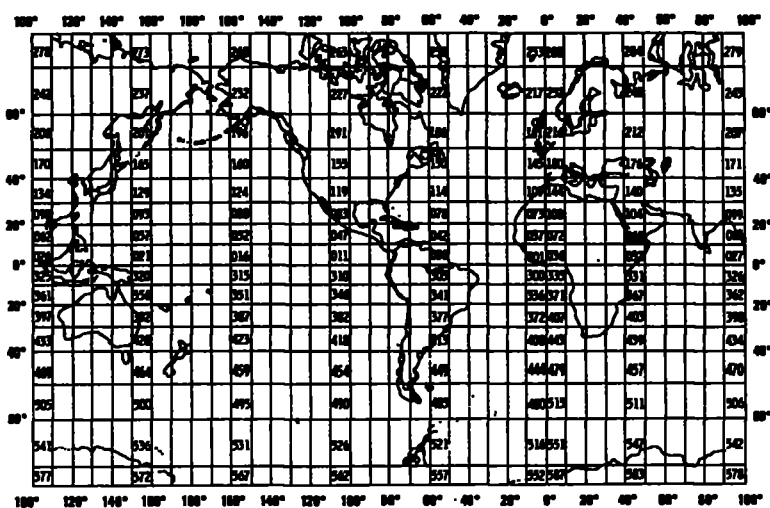
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4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>U.S.</td><td>U.S.</td><td>10/23/86</td><td>11/4/86</td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR	U.S.	U.S.	10/23/86	11/4/86
PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR								
U.S.	U.S.	10/23/86	11/4/86								
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 									
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ronald K. Reed (206) 526-6818											

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

TV0365-TV0385 F022

319772-319790 C022

NOAA FORM 24-13
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WASHINGTON, DC 20238FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

329541 C022

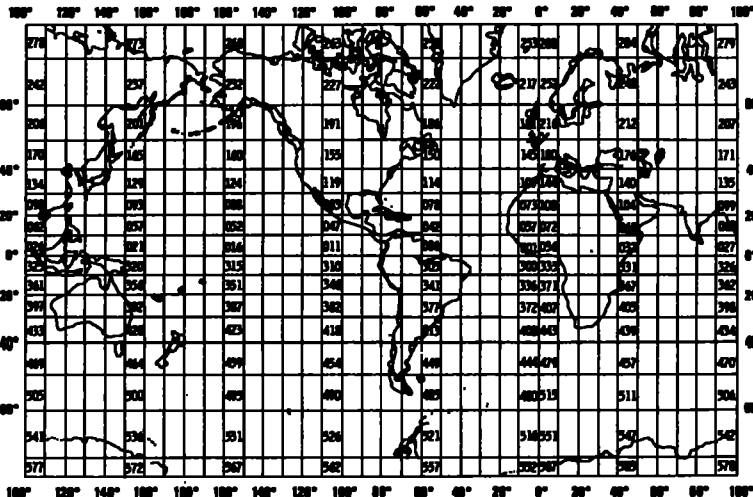
329545 C022

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NOAA/PMEL/R/E/PM Bin C 15700/Bldg.3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		RP-22-DI-85 (leg 1)	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Discoverer	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	3/11/85 3/27/85
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
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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

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

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(see sheet on opposite page)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Mr. David Kachel (206) 526-6195
ADDRESS NOAA/PMEL, 7600 Sand Point Way NE, Seattle, Wa. 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input 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 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) Gulf of Alaska CTD data sets 14 cruises, 7174 casts of usable data 9 track, ASCII, 1600 bpi, unlabelled 80 chars/rec., 4000 chars/block
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 _____	
13. LENGTH OF BYTES IN BITS _____	

Description of Tape format for CTD Profile Data

Unlabelled, 9 track, 1600 cpi, ascii, 80 characters/record,
4000 characters/block

Casts are stored 1 per file

^ cruise

Record 1

station name(a10) = station name
cruise name(a10) = cruise name
ship name(a10) = ship name
chief scientist = chief scientist

Record 2

cast(i10) = cast number
depth(i10) = water depth in meters
time(i10) = time at depth(yydddhhmm)

Record 3

top(f10.1) = Pressure of first measurement
alat(f10.4) = latitude
alon(f10.4) = longitude

Record 4

name 1(a10) = Variable 1 name
name 2(a10) = Variable 2 name

name n(a10) = Variable n name

Record 5

units 1(a10) = Variable 1 units
units 2(a10) = Variable 2 units

units n(a10) = Variable n units

Record 6 - end of file(Data records)

value 1(f10.4) = Variable 1 value
value 2(f10.4) = Variable 2 value

value n(f10.4) = Variable n value

* Days are julian days

** Time is Z time

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		

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 (✓)	

DATA DOCUMENTATION FORM

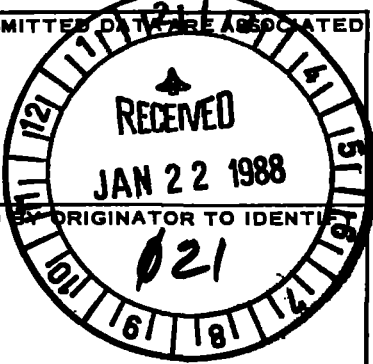
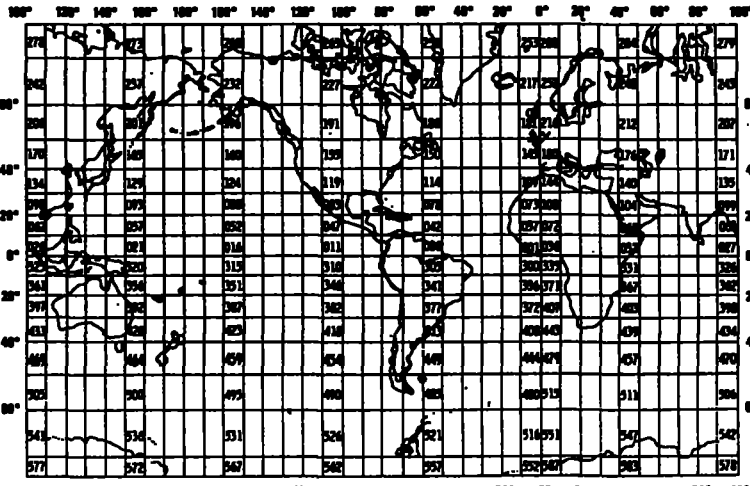
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.

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 NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115												
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Fisheries-Oceanography Cooperative Investigations		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-85-04										
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>U.S.</td><td>U.S.</td></tr></tbody></table>	PLATFORM	OPERATOR	U.S.	U.S.	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>4/1/85</td><td>4/9/85</td></tr></tbody></table>		FROM: MO/DAY/YR	TO: MO/DAY/YR	4/1/85	4/9/85
PLATFORM	OPERATOR											
U.S.	U.S.											
FROM: MO/DAY/YR	TO: MO/DAY/YR											
4/1/85	4/9/85											
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) Ann Matarese NOAA/NMFS/NWAF												

DATA DOCUMENTATION FORM

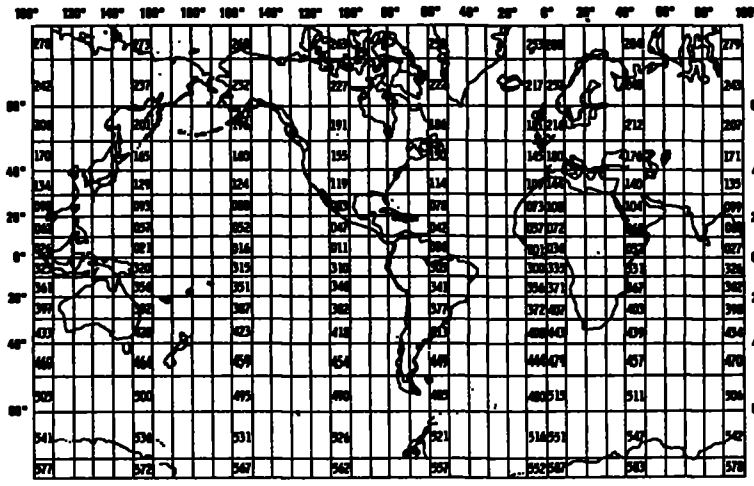
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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EXPIRES 2/29/87

(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.

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			
NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		RP-22-DI-85 (leg 2)	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Discoverer	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	7/24/85 7/27/85
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. James D. Schumacher (206)526-6197			

DATA DOCUMENTATION FORM

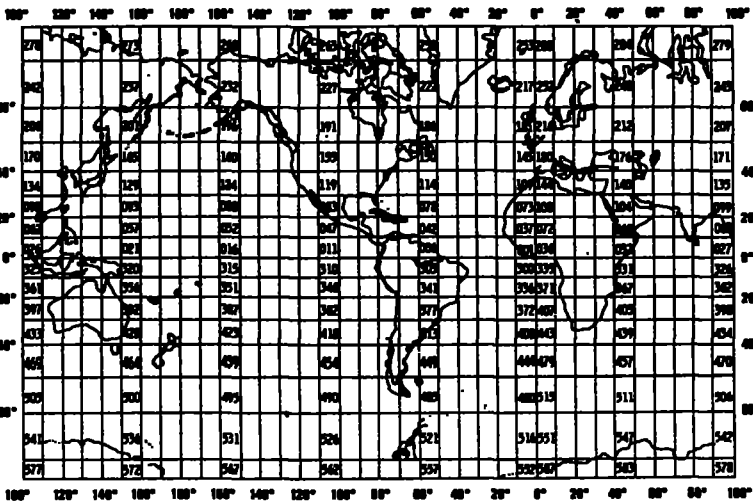
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
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This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining 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 NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Fisheries-Oceanography Cooperative Investigations		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-85-06	
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 5/1/85 5/10/85
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. L. Incze NOAA/NMFS/NWAFRC (206) 526-4117			

DATA DOCUMENTATION FORM

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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			
NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Hydroacoustic Surveys		MF-85-03	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	3/23/85 3/26/85
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.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. E.P. Nunnallee NOAA/NMFS/NWAFSC (206) 526-4163			

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
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NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.

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			
NOAA/PMEL/R/E/PM Bldg. C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Hydroacoustic Surveys		MF-86-03	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO, DAY, YR TO: MO, DAY, YR
		U.S. U.S.	3/12/86 3/22/86
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.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. E.P. Nunnallee NOAA/NMFS/NWAFB (206) 526-4163			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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EXPIRES 2/29/87

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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

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		MF-86-04	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	4/3/86 4/11/86
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. Suam Kim NOAA/NMFS/NWAF (206) 526-4114			

DATA DOCUMENTATION FORM

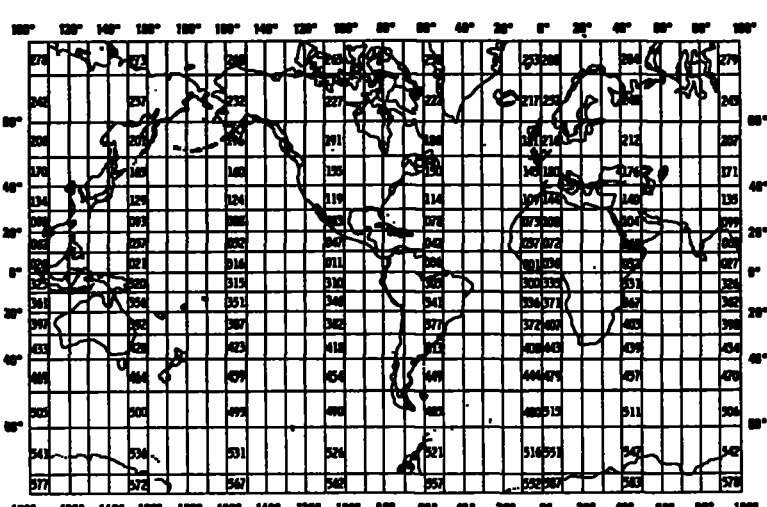
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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WASHINGTON, DC 20235FORM APPROVED
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(While you are not required to use this form, it is the most desirable 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.

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			
NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		MF-86-06	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	5/1/86 5/17/86
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.	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. L. Incze NOAA/NMFS/NWAFIC (206) 526-4117			

DATA DOCUMENTATION FORM

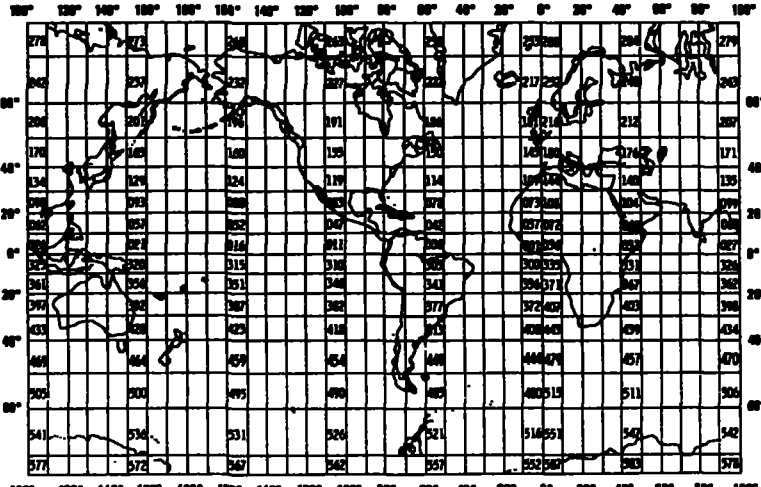
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
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NATIONAL OCEANOGRAPHIC DATA CENTER
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O.M.B. No. 0648-0024
EXPIRES 1/29/87

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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 NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Fisheries-Oceanography Cooperative Investigations		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FOX 86-1									
4. PLATFORM NAME(S) Seabird	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>U.S.</td><td>U.S.</td></tr></tbody></table>	PLATFORM	OPERATOR	U.S.	U.S.	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>10/6/86</td><td>10/24/86</td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	10/6/86	10/24/86
PLATFORM	OPERATOR										
U.S.	U.S.										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
10/6/86	10/24/86										
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. James D. Schumacher (206) 526-6197											

DATA DOCUMENTATION FORM

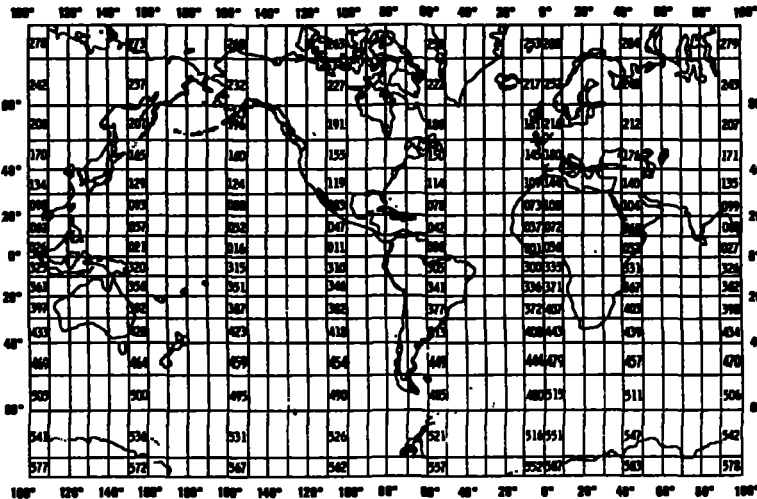
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Fisheries-Oceanography Cooperative Investigations		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RIBS 86-1	
4. PLATFORM NAME(S) Miller Freeamn	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 2/11/86 2/11/86
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. James D. Schumacher (206) 526-6197			

DATA DOCUMENTATION FORM

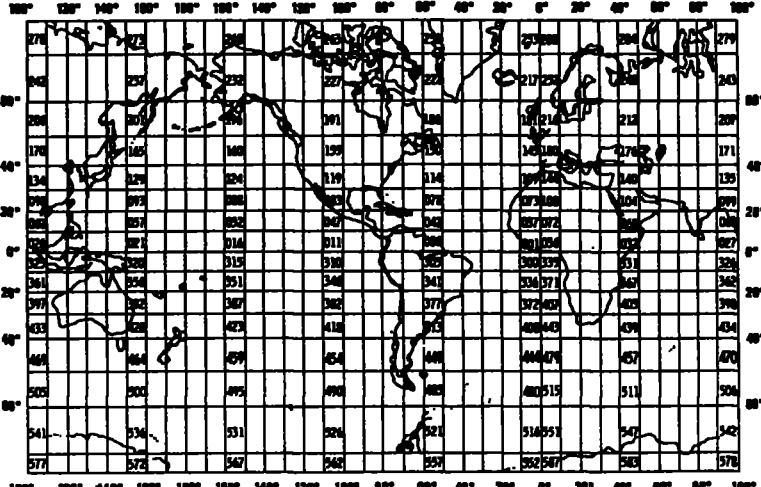
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Fisheries-Oceanography Cooperative Investigations		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FOCI 86 IV	
4. PLATFORM NAME(S) Oceanographer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 7/28/86 8/14/86
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) Ms. Judith Gray (206) 526-6807	

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		OCT 86	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freesam	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	10/16/86 10/18/86
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. Ronald K. Reed (206) 526-6818			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		FOCI 871	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	3/17/87 3/17/87
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.	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. E.P. Nunnallee NOAA/NMFS/NAWFC (206) 526-4163			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
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Fisheries-Oceanography Cooperative Investigations		JUN 87	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
Miller Freeman	ship	U.S.	
		7. DATES	
		FROM: MO/DAY/YR TO: MO/DAY/YR	
		8/9/87 8/10/87	
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.	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ms. Judith Gray (206) 526-6807			

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo
DATE: June 21, 1988
SUBJECT: Data Transfer

8800018

The following listed data sets have been transferred as indicated:

ARCHIVE AND INVENTORIES BRANCH (E/OC11)

----- Level II AND III -----

C/STD (F022/C022)

Acc: 8800018 Ref: TV0372 - 385 774 sta. 30,703 records
319778 - 90; 329545

PMEL Gulf of Alaska FOCI Project

cc: Division Director

PROCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800018	TV0372	F022	0174	313F	31DS	RP22-85	03/12/85	03/28/85	189	6,672
8800018	TV0373	F022	0174	313F	31FN	MF85-04	04/02/85	04/10/85	29	1,248
8800018	TV0374	F022	0174	313F	31DS	RP22-85	07/25/85	07/28/85	36	1,478
8800018	TV0375	F022	0174	313F	31FN	MF85-06	05/02/85	05/11/85	42	1,846
8800018	TV0376	F022		313F	31FN	MF85-03	03/24/85	03/27/85	19	902
8800018	TV0377	F022	0174	313F	31FN	MF86-03	03/13/86	03/23/86	28	1,288
8800018	TV0378	F022	0174	313F	31FN	MF86-04	04/04/86	04/12/86	12	648
8800018	TV0379	F022	0174	313F	31FN	MF86-06	05/02/86	05/18/86	77	3,078
8800018	TV0380	F022	0174	313F	32O9	FOX86-01	10/07/85	10/25/85	141	4,703
8800018	TV0381	F022	0174	313F	31FN	RIBS86-1	02/11/86	02/11/86	7	302
8800018	TV0382	F022	0174	313F	31OC	FOCI86-IV	07/29/86	08/15/86	124	5,704
8800018	TV0383	F022	0174	313F	31FN	OCT86	10/17/86	10/19/86	13	398
8800018	TV0384	F022	0174	313F	31FN	FOCI871	03/18/87	03/18/87	7	327
8800018	TV0385	F022	0174	313F	31FN	JUN 87	08/10/87	08/11/87	50	2,109

CTD PMEL Seattle

Gulf of Alaska

MISSION NO. 8800018

FILETYPE _____

TRACK NO. _____

PROJECT
IDENTIFICATION _____CTD PMEL SEATTLE
GULF OF ALASKA

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
1. TAPE	02/08/88	CMTK	A00639	12	80	4000	
2. DUPLICATE TAPE	02/08/88	CMTK	A00640	15	80	4000	10,476
3. FORMATTED TAPE	03/23/88	SM	W14353 *	15	80	4000	700
4. FORMATTED DISK	5/24/88	R.P.S.	DNODC * P2OUT.	1	120	224	30,203
5. 1ST MULCHEK	11/6/88		DNODC * P3OUT.	1	120		30,256
6. 2ND MULCHEK			(on DISK)				
7. 3RD OR F022							
8. SET FINALIZED							

9. DATA REPORTED TO PRINCIPAL INVESTIGATOR: Tapes are 9 TRK, ASCII, NL, 1600 bpi
* DNODC * 8800018-02

DELETE FIRST CRUISE

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

GULF OF ALASKA - 14 CRUISES

	FID	DATES	PLATFORM	PROJECT	
2	RP-22-DI-85 (LEG 1)	3/14/85 - 3/27/85	DISCOVERER	FOCI	
3	MF-85-04	4/1/85 - 4/9/85	MILLER FREEMAN	"	
4	RP-22-DI-85 (LEG 2)	7/24/85 - 7/27/85	DISCOVERER	"	
5	MF-85-06	5/1/85 - 5/10/85	MILLER FREEMAN	"	
6	MF-85-03	3/23/85 - 3/26/85	"	HYDRO SURV	
7	MF-86-03	3/12/86 - 3/23/86	"	"	
8	MF-86-04	4/3/86 - 4/11/86	"	FOCI	
9	MF-86-06	5/1/86 - 5/17/86	"	"	
10	FOX 86-1	10/6/86 - 10/24/86	SEABIRD	"	
11	RIBS 86-1	2/4/86 - 2/11/86	MILLER FREEMAN	"	
12	FOCI 86 IV	7/28/86 - 8/14/86	OCEANOGRAPHER	"	
13	OCT 86	10/16/86 - 10/18/86	MILLER FREEMAN	"	
14	FOCI 87I	3/17/87 - 3/17/87	"	"	
15	JUN 87	8/9/87 - 8/10/87	"	"	

PARAMETER CHECK LIST

PAGE 2

81/03/19

PROJECT OFFICE-ALL

RU-ALL

FILE TYPE 023
FISH RESOURCES

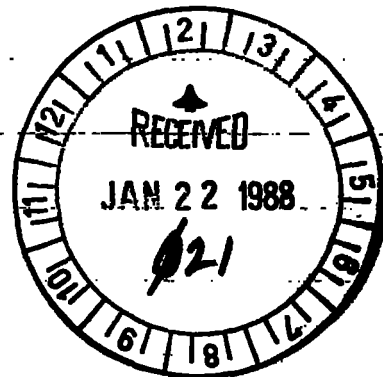
RT	NAME OF FIELD	RU 019	RU 027	RU 064	RU 174	RU 175	RU 233	RU 281	RU 284	RU 417	RU 427	RU 467	RU 485	RU 486	RU 512	RU 552	RU 553
3	NUMBER OF UNITS																X
3	GANGION LENGTH																X
3	NUMBER OF SUBUNITS																X
3	GEAR MATERIAL CODE															X	X
3	BAIT-LURE CODE														X		
3	SEINE,END MESH-TOW														X		
3	SEINE,UPPER MESH														X		
3	SEINE,AVG BODY MESH														X		X
3	SEINE,BUNT MESH														X		X
3	GILLNET-# SHACKLES														X		X
3	GILLNET-MATERIAL														X		X
3	GILLNET-MESH														X		X
3	DEPTH OF GEAR														X		X
3	OUTSIDE-MESH/SEINE														X		X
3	MIDDLE MESH/SEINE														X		X
3	BAG MESH/SEINE														X		X
3	TRAMMEL-# SHACKLES														X		X
3	MATERIAL-OUTER PANEL														X		X
3	MESH-OUTER PANELS														X		X
3	MATERIAL INNER PANEL														X		X
3	MESH-INNER PANEL														X		X
3	GEAR SALINITY														X		
3	TIDE									X					X		X
3	TIDE STAGE CODE									X					X		X
3	RECORD MODIFIER														X		
4	SAMPLE NUMBER														X		X
4	TAXONOMIC CODE									X					X		X
4	TOTAL WT SPECIES														X		X
4	WEIGHT DETERMINATION														X		X
4	TOTAL NUMBER									X					X		X
4	NUMBER DETERMINATION									X					X		X
4	SEX MATURITY CODE														X		X
4	LIFE HISTORY CODE														X		X
4	NUMBER OF SPECIES														X		X
4	VOLUME OF CATCH														X		X
4	FISH PER LITER														X		X
4	WT SMALL CATCHES														X		X
4	RECORD MODIFIER														X		
5	SAMPLE NUMBER									X					X		X
5	TAXONOMIC CODE									X					X		X
5	SEX CODE									X					X		X
5	LENGTH OF CLASS														X		X
5	LENGTH CODE														X		X
5	LENGTH FREQUENCY														X		X
5	LENGTH SAMPLE														X		X
5	RECORD MODIFIER														X		
6	SAMPLE NUMBER									X					X		X
6	TAX CODE PREDATOR									X					X		X
6	SEX CODE									X					X		X
6	SEX MATURITY CODE									X					X		X
6	LENGTH-INDIVIDUAL									X					X		X
6	LENGTH CODE									X					X		X
6	WEIGHT-INDIVIDUAL									X					X		X
6	WEIGHT DETERMINATION									X					X		X
6	AGE									X					X		X
6	AGE STRUCTURE									X					X		X
6	AGE DETERMINATION									X					X		X
6	SAMPLE TYPE									X					X		X
6	DATA TYPE CODE									X					X		X
6	STOMACH EXAMINED									X					X		X
6	CUT COLLECTED									X					X		X
6	FIN CLIP CODE									X					X		X
6	CARAPACE WIDTH									X					X		X
6	SHELL CONDITION CODE									X					X		X
6	EGG COLOR CODE									X					X		

1-15-88

Mitch,

Enclosed are two CTD data tapes I received from PMEL recently. This note (also on transmittal) is to remind you that the first Gulf of Alaska dataset ~~box~~ is questionable and should not be included in the archival and processing. Please scratch this file RP22-FA-84 (leg 1). The rest should be OK. This problem, as I indicated, wasn't discovered until the tapes were created.

Sid Stillwagner



TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: NOAA/NESDIS/NODC
1825 Connecticut Ave NW
Washington DC 20235

REFER TO

ATTENTION
E/OC13, Dr. Anthony R. Picciolo

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

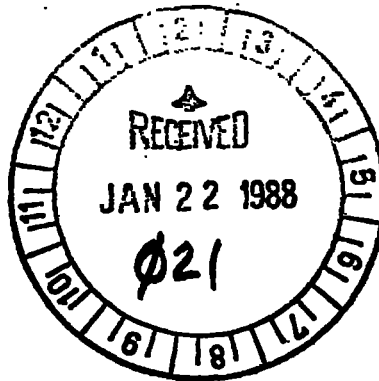
☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☒ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

Cert. no. 523155

Enclosed, find two (2) magnetic data tapes and their associated documentation as received from Mr. David Kachel, NOAA/PMEL. The data tapes are supposed to have written to them a total of 11,965 usable casts of CTD data (1 each) from the Bering Sea and Gulf of Alaska.

***PLEASE NOTE -** The first dataset on the Gulf of Alaska data tape RP22-FA-84(leg.1) contains bad data points. This problem was not discovered until the tapes were written. Please scratch this file from the tape and do not include it in processing and archival.

Tape specs.- 9 track, ASCII, unlabelled, odd parity, 1600 bpi with 80 chars/record and 4000 chars/block.



cc: Mr. David Kachel, NOAA/PMEL

8800018

A00639

A00640

FORWARDED BY (Signature)

Sid Stillwaugh

TITLE

NODC Liaison Officer, Seattle

DATE FORWARDED

1-15-88

RECEIVED BY (Signature)

F. Mitchell

TITLE

DATE RECEIVED

1-22-88

NOAA Pacific Marine Environmental Lab. 8-JAN

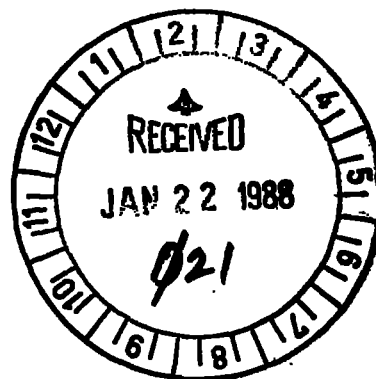
RRRRRRRRRR
RRRRRRRRRR
RRRRRRRRRR

K	K	AAA	CCCC	H	H	EEEE	L	
K	K	A	A	C	H	H	E	L
K	K	A	A	C	H	H	E	L
KKK		A	A	C	HHHHH	EEEE	L	
K	K	AAAAA	C	H	H	E	L	
K	K	A	A	C	H	H	E	L
K	K	A	A	CCCC	H	H	EEEE	LLLL

SSSS	III	DDDD
S	I	D D
S	I	D D
SSS	I	D D
S	I	D D
S	I	D D
SSSS	III	DDDD

PPPP	RRRR	III	N	N	TTTT	;	333			
P	P	R	R	I	N	N	T	;	3	3
P	P	R	R	I	NN	N	T			3
PPPP	RRRR	I	N	N	N	T	;			3
P		R	R	I	N	NN	T	;		3
P		R	R	I	N	N	T	;	3	3
P		R	R	III	N	N	T	;		333

GOLF OF ALASKA



File _\$1\$DUA0:[ISID.PRINT;3 (4236,12,0), last revised on 8-JAN-1988 09:40, is a 13 block sequential file owned by UIC [KACHEL]. The records are variable length with implied (CR) carriage control. The longest record is 39 bytes.

Job SID (938) queued to MVP on 8-JAN-1988 09:40 by user KACHEL, UIC [KACHEL],
under account BR3A7360 at priority 100, started on printer _BETA\$TXA7: on
8-JAN-1988 09:40 from queue MVP.

RRRRRRRRRR
RRRRRRRRRR
RRRRRRRRRR

```

#####
Digital Equipment Corporation - VAX/VMS Version V4.6
#####

```

RRRRRRRRRR
RRRRRRRRRR
RRRRRRRRRR

14 CRUISES

Gulf of Alaska CTD

~~RP22FA84L1 FWEATHER JACKSON~~
~~Latitudes 55.87 to 57.71~~
~~Longitudes 154.71 to 157.04~~
~~842350533 to 842371026~~
~~Your reference no 6386 to 6416~~
~~Master reference no 6386 to 6416~~
~~31 casts~~

DELETE

1

RP22DI85L1 DISCO SCHUMACHER
Latitudes 55.24 to 59.22
Longitudes 151.78 to 158.00
850710414 to 850870941
Your reference no 6417 to 6605
Master reference no 6417 to 6605
189 casts

2

372 ✓ one

MF-85-04 FREEMAN MATARESE
Latitudes 57.29 to 58.86
Longitudes 152.73 to 155.86
850921336 to 851000555
Your reference no 6606 to 6634
Master reference no 6606 to 6634
29 casts

3

373 ✓ Amount

RP22DI85L2 DISCOVERER SCHUMACHER
Latitudes 55.41 to 57.71
Longitudes 154.71 to 157.00
852060835 to 852090845
Your reference no 6635 to 6670
Master reference no 6635 to 6670
36 casts

Three ✓

4

374 ✓ three

MF-85-06 FREEMAN INCZE
Latitudes 55.22 to 58.41
Longitudes 153.40 to 156.97
851221811 to 851311820
Your reference no 6671 to 6712
Master reference no 6671 to 6712
42 casts

Four ✓

5

375 ✓ one out

MF-85-03 FREEMAN NUNNILEE
Latitudes 57.32 to 58.20
Longitudes 153.99 to 155.41
850830211 to 850860058
Your reference no 6713 to 6731
Master reference no 6713 to 6731
19 casts

Five

✓ 6

376 ✓ five

MF-86-03 FREEMAN NUNNALLEE
Latitudes 5.47 to 57.72
Longitudes 15.00 to 155.26
860720751 to 860821419
Your reference no 6732 to 6774
Master reference no 6732 to 6774

Six ✓

7

377 ✓ Three out

28
43 casts

MF-86-04 FREEMAN KIM
Latitudes 57.10 to 57.62
Longitudes 155.11 to 155.79
860940445 to 861021218
Your reference no 6775 to 6786 ✓
Master reference no 6775 to 6786
12 casts

MF-86-06 M. Freeman Incze
Latitudes 55.92 to 58.85
Longitudes 152.66 to 157.07
861221034 to 861382351
Your reference no 6787 to 6863 ✓
Master reference no 6787 to 6863
77 casts

FOX 86-1 SEABIRD JDSCHU
Latitudes 54.66 to 59.22
Longitudes 151.71 to 159.55
852802048 to 852981108
Your reference no 6864 to 7004 ✓
Master reference no 1 to 141
141 casts

RIBS 86-1 MF JDSCHU
Latitudes 57.47 to 57.72
Longitudes 154.70 to 155.26
860421642 to 860422234
Your reference no 7005 to 7011 ✓
Master reference no 1 to 7
7 casts

FOCI86_IV OCEO J. GRAY
Latitudes 51.81 to 59.06
Longitudes 151.72 to 159.64
862101924 to 862270300
Your reference no 7012 to 7135 ✓
Master reference no 1 to 124
124 casts

OCT86 MF Reed
Latitudes 55.91 to 57.08
Longitudes 155.33 to 157.00
862901235 to 862921825
Your reference no 7136 to 7148 ✓
Master reference no 1 to 13
13 casts

FOCI_87I M. FREEMAN NUNNALLEE
Latitudes 57.47 to 57.70 ✓
Longitudes 154.71 to 155.25
870771249 to 870771734
Your reference no 7149 to 7155
Master reference no 7149 to 7155
7 casts

JUN87 - M. FREEMAN J. GRAY
Latitudes 55.94 to 55.97

46 Seven 378 ✓ Seven

9 Eight 379 ✓ Eight

10 nine 380 ✓ nine

11 ten 381 ✓ ten

12 Big 1 382 ✓ Big 1

13 Big 2 383 ✓ Big 2

14 Big 3 384 ✓ Big 3

15 Big 4 385 ✓ Big 4

Longitudes 156.36 to 156.40

862220328 to 862230408

Your reference no 7156 to 7205

Master reference no 7156 to 7205

50 casts

Total casts = 7205

31
7174

OPER NAME HALMINSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 3/21/88	DATE DUE 2	BIN #
-------------------------------	----------------------------	------------	----------------------------------	----------------------	-------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

CTD

copy INPUT

SCAN OUTPUT

INPUT MEDIUM PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK (PRIN) (TAPE) PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	A00640		9	1600		NL	FB	80	4000	15
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT										
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	W14353		9	1600		SL	FB	80	4000	46
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNEDC *8800018-02			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE

SPECIAL INSTRUCTIONS

NEED "W" TAPE

ESTIMATED
EXECUTION
TIME

31 USE ONLY

IB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
88032205	03/22/88	08:45	09:30	C	COMPLETED BY J.S.

REMARKS

Bir
09

5PE/DISKETTE INFORMATION

SPECIAL INSTRUCTIONS

INSTRUCTIONS: Please return tape A00640 to Biri 09.

**ESTIMATED
EXECUTION
TIME :**

31 USE ONLY.

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEY VERIFIED
02/08/88	11:35	11:45	C	COMPLETED BY J.S.

TRIFTS

PROCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800018	319772	C022		313F	31FN	TV0365	07/31/84	09/13/84	182	2,704
8800018	319773	C022		313F	31FN	TV0366	01/23/85	02/14/85	36	558
8800018	319774	C022		313F	31FN	TV0368	02/13/83	02/24/83	41	784
8800018	319775	C022	0081	313F	31OC	TV0369	08/22/86	09/17/86	93	787
8800018	319776	C022	0174	313F	31MF	TV0370	02/16/86	02/28/86	44	9,339
8800018	319777	C022	0174	313F	31MF	TV0371	10/24/86	11/05/86	24	20,676
8800018	329541	C022		313F	32YN	TV0367	09/08/82	09/12/82	59	1,299

CTD PMEL Seattle

~~Gulf of Alaska~~MISSION NO. 8800018

FILETYPE

TRACK NO.

PROJECT
IDENTIFICATION

CTD PMEL SEATTLE

~~GULF OF ALASKA~~ BERING SEA

DATE

INIT.

TAPE OR
DISK DSNNO.
FILES LRECL BLK SIZE RECORDS

TAPE	02/08/88	CMH	A00639	10	80	4000	103227
DATE TAPE	02/08/88	CMH	A00639 W14219*	10	80	4000	
FORMATTED TAPE							
FORMATTED DISK	5/17/88	R.P.S.	DNDC* GOOD PME OUT	1	120	224	36145
MULCHEK							
MULCHEK							
3 OR F022							
SET FINALIZED							

RECORDS REPORTED TO PRINCIPAL INVESTIGATOR: Tapes are 9 TRK, ASCII, NL, 1600 bpi
DNDC * 8800018 - 01

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NANSEN REF. #

319772

MILITARY TRACK #

TV0365

MONITOR: CONTACT

M. LEWIS

LOCATION OF F022 SOURCE

Archives (TV0365)

RECORD ALL ERRORS FOUND

CONSEC(S)

NONE

ERRORS FOUND

Quality Indicators Added to Numerous Stations

NANSEN REF. #

319773

MULDARS TRACK #

TV0366

MONITOR: CONTACT

M. Lewis

LOCATION OF F022 SOURCE

Archives (TV0366)

RECORD ALL ERRORS FOUND

CONSEC(S)

None

ERRORS FOUND

None

NANSEN REF. #

329548

MULDARS TRACK #

TV0367

MONITOR: CONTACT

M. Lewis

LOCATION OF F022 SOURCE

Archive, TV0367

RECORD ALL ERRORS FOUND

CONSEC(S)

~~None~~
30

ERRORS FOUND

Change Degree of Longitude
from 164° to 163°

M. L.
8/25/48

Parameter instabilities occurred in 4 stations

NANSEN REF. #

319774

MILIDARS TRACK #

TV0368

MONITOR: CONTACT,

M Lewis

LOCATION OF F022 SOURCE

Archives (TV0368)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

NONE

Quantity of water applied to 1 station

NANSEN REF. #

319775

MILITARY TRACK #

TV0369

MONITOR: CONTACT

M. Lewis

LOCATION OF F022 SOURCE

Archives (TV0369)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

~~None~~

Deleted CONSEC.

059

M.L.
7/25/88

Quality Indicators applied to 4 stations.

NANSEN REF. #

319776

MULDARS TRACK #

TV0370

MONITOR: CONTACT

M LEWIS

LOCATION OF F022 SOURCE

ARCHIVES (TV0370)

RECORD ALL ERRORS FOUND

CONSEC(S)

039

ERRORS FOUND

Change stat. from
32 to 33. for
depths 1.9m and 3.9m.

NANSEN REF. #

319777

MULDARS TRACK #

TV0371

MONITOR: CONTACT

M. Lewis

LOCATION OF F022 SOURCE

(Archives) TV0371

RECORD ALL ERRORS FOUND

CONSEC(S)

NONE

ERRORS FOUND

None

TRANSMITTAL AND RECEIPT RECORD
(Please sign and return carbon copy acknowledging receipt)TO: NOAA/NESDIS/NODC
1825 Connecticut Ave NW
Washington DC 20235

REFER TO

ATTENTION
E/OC13, Dr. Anthony R. Picciolo

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

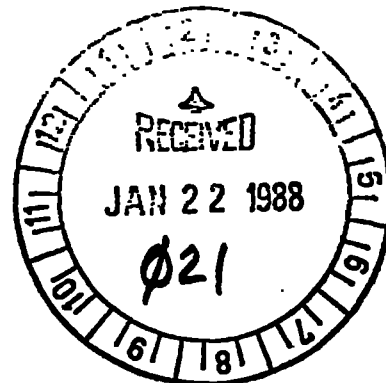
☐ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☒ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

Cert. no. 523155

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*PLEASE NOTE - The first dataset on the Gulf of Alaska data tape RP22-FA-84(leg 1) contains bad data points. This problem was not discovered until the tapes were written. Please scratch this file from the tape and do not include it in processing and archival.

Tape specs. - 9 track, ASCII, unlabelled, odd parity, 1600 bpi with 80 chars/record and 4000 chars/block.



cc: Mr. David Kachel, NOAA/PMEL

8800018

A00639

A00640

FORWARDED BY (Signature) Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 1-15-88
RECEIVED BY (Signature) F. Mitchell	TITLE	DATE RECEIVED 1-22-88

A00639

BERING SEA - 10 CRUISES

FID	DATES	PLATFORM	PROJECT	SHIP
MF-84-05 (LEG 1)	7/31/84 - 8/19/84	MILLER FREEMAN		
MF-84-05 (LEG 2)	8/25/84 - 9/13/84	"		
RP4-MF-85 (LEG 2)	✓ 1/23/85 - 2/14/85	"		
FISH-FRONT	✓ 9/7/82 - 9/11/82	CHAPMAN		
MF-83-01 (LEG 2)	✓ 2/13/83 - 2/24/83	MILLER FREEMAN		
RP4-OC-86 (LEG 1)	8/21/86 - 8/26/86	OCEANOGRAPHER	OCSEAP	
RP4-OC-86 (LEG 2)	2/28/86 - 9/5/86	"	"	
RP4-OC-86 (LEG 3)	9/5/86 - 9/16/86	"	"	
RIBS 86-1	✓ 2/16/86 - 2/28/86	MILLER FREEMAN	F-OCI	
OCT 86	✓ 10/23/86 - 11/4/86	"	"	

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.

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			
NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		OCT 86	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	10/23/86 11/4/86
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Ronald K. Reed (206) 526-6818			

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER-
RECORDS SECTION
WASHINGTON, DC 20235

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O.M.B. No. 0648-0024
EXPIRES 2/29/87

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NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Fisheries-Oceanography Cooperative Investigations		RIBS 86-1	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	2/16/86 2/28/86
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. James D. Schumacher (206)526-6197			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Outer Continental Shelf Environmental Assessment Project (OCSEAP)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP4-OC-86 (leg 3)	
4. PLATFORM NAME(S) Oceanographer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 9/5/86 9/16/86
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. Jawed Hameedi OCSEAP Project Office (907) 271-3036			

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

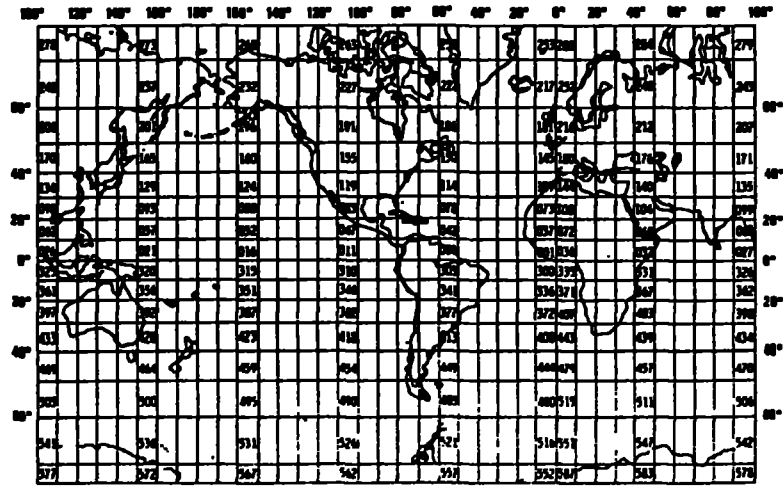
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED NOAA/PMEL/R/E/PM Bin C15700/BLDG. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Outer Continental Shelf Environmental Assessment Project (OCSEAP)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP4-OC-86 (leg 2)	
4. PLATFORM NAME(S) Oceanographer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 8/28/86 9/5/86
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. Jawed Hameedi OCSEAP Program Office (907)271-3036			

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(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.)

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NOAA/PMEL/R/E/PM Bin C15700/Bldg. 3 7600 Sand Point Way NE Seattle, Wa. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Outer Continental Shelf Environmental Assessment Project (OCSEAP)		RP4-OC-86 (leg 1)	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Oceanographer	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	8/21/86 8/26/86
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. James Overland (206)526-6795			

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-83-01 (leg 2)	
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	
		7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 2/13/83 2/24/83	
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) Donald Fisk NOAA/NMFS/NWAF (206)526-4153			

DATA DOCUMENTATION FORM

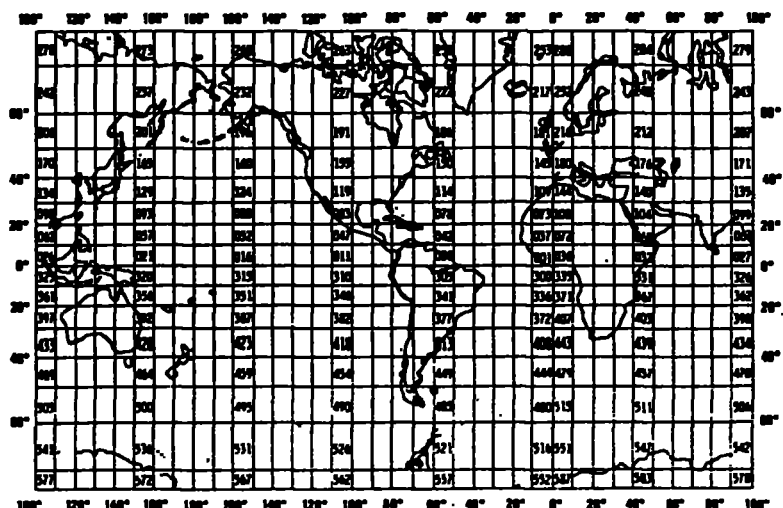
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238FORM APPROVED
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EXPIRES 2/29/87

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FISH-FRONT	
4. PLATFORM NAME(S) Chapman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 9/7/82 9/11/82
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) James Ingraham NOAA/NMFS/NWAFIC (206) 526-4241			

DATA DOCUMENTATION FORM

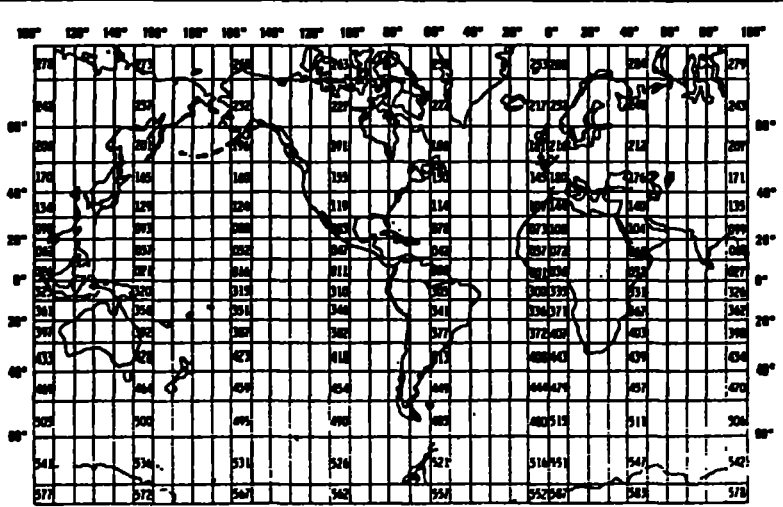
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Eastern Bering Sea Winter Crab Survey		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT RP4-MF-85 (leg 2)									
4. PLATFORM NAME(S) Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>U.S.</td><td>U.S.</td></tr></tbody></table>	PLATFORM	OPERATOR	U.S.	U.S.	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>1/23/85</td><td>2/14/85</td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	1/23/85	2/14/85
PLATFORM	OPERATOR										
U.S.	U.S.										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
1/23/85	2/14/85										
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) Donald Fisk NOAA/NMFS/NWAF (206) 526-4153											

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

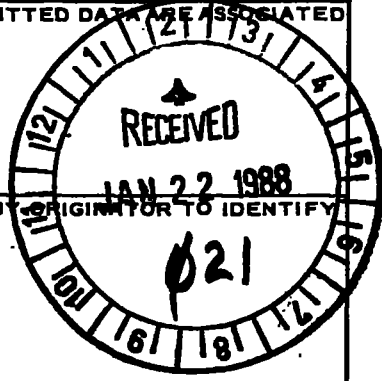
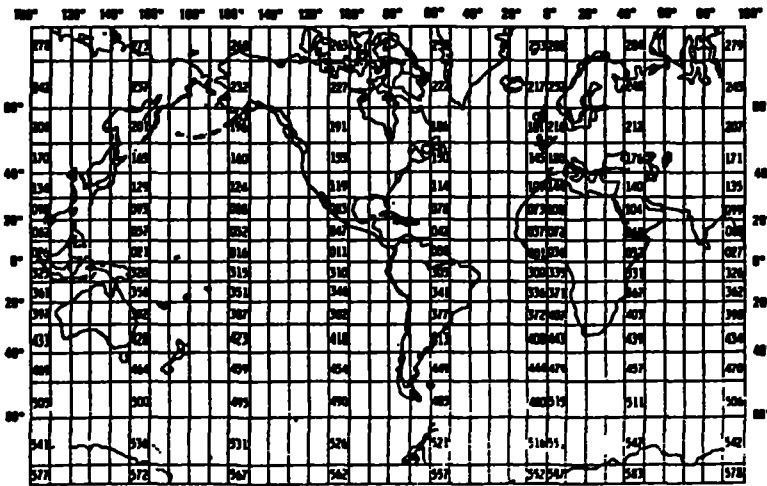
NOAA FORM 24-13
(2-85)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20236FORM APPROVED
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT MF-84-05 (log 2)					
4. PLATFORM NAME(S) Miller Freeman		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship		6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR U.S. U.S.		7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 8/25/84 9/13/84	
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH				11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 			
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) James M. Coe NOAA/NMFS/NWAF (206) 526-4009							

Description of Tape format for CTD Profile Data

Unlabelled, 9 track, 1600 cpi, ascii, 80 characters/record,
4000 characters/block

Casts are stored 1 per file

^ cruise

Record 1

station name(a10) = station name
cruise name(a10) = cruise name
ship name(a10) = ship name
chief scientist = chief scientist

Record 2

cast(i10) = cast number
depth(i10) = water depth in meters
time(i10) = time at depth(yydddhhmm)

Record 3

top(f10.1) = Pressure of first measurement
alat(f10.4) = latitude
alon(f10.4) = longitude

Record 4

name 1(a10) = Variable 1 name
name 2(a10) = Variable 2 name

name n(a10) = Variable n name

Record 5

units 1(a10) = Variable 1 units
units 2(a10) = Variable 2 units

units n(a10) = Variable n units

Record 6 - end of file(Data records)

value 1(f10.4) = Variable 1 value
value 2(f10.4) = Variable 2 value

value n(f10.4) = Variable n value

* Days are julian days

** Time is Z time

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(see opposite page)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Mr. David Kachel, (206) 526-6195
ADDRESS NOAA/PMEL, 7600 Sand Point Way NE, Seattle, Wa. 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input 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 checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. RARITY <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) Bering Sea CTD data sets 10 cruises, 4791 casts of data 9 track, ASCII, 1600bpi, unlabelled 80 chars/rec., 4000 chars/block
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 13. LENGTH OF BYTES IN BITS

ACCESSION
NUMBER

8800018

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
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NATIONAL OCEANOGRAPHIC DATA CENTER
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WASHINGTON, DC 20235

FORM APPROVED
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Distribution of Young of the Year Pollock in the Eastern Bering Sea		MF-84-05	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Miller Freeman	ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	7/31/84 8/19/84
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			
Dr. Jimmie Traynor NOAA/NMFS/NWAF (206) 526-4164			

Scan tape

Bin
09

INPUT MEDIUM

PAPER CARD DISK TAPE
DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM

CARD DISK PRINT TAPE PLOT
DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	A00639		9							
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

Please return tapes A00639
to Bin 09

ESTIMATED
EXECUTION
TIME

31 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
5020401	02/08/88	11:20	11:30	C	COMPLETED BY J.S.

REMARKS

ER NAME HALMINSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 3/21/88	DATE DUE	BIN #
-----------------------------	----------------------------	------------	----------------------------------	----------	-------

JIPKENT TO BE USED AND FORCTION TO BE PREFORMED
CTD **COPY INPUT**
 SCAN OUTPUT


PUT MEDIUM PAPER CARD DISK (TAPE) ISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK (PRINT) (TAPE) PLOT DISKETTE OTHER(SPECIFY)
---	---

PE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
PUT	A00639		9	1600		NL	FB	80	4600	10
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURC DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURC DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	W14219		9	1600		SL	FB	80	4000	31
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNDC *8800018-01			PURC DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE

SPECIAL INSTRUCTIONS NEED "W" TAPE	ESTIMATED EXECUTION TIME
--	--------------------------------

31 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
03/22/88	09:45	10:30		COMPLETED BY J.S.

RF40CS6LG3 OCEAD HAMEED1
Latitudes 65.76 to 68.34
Longitudes 162.98 to 168.85
862491519 to 862602154
Your reference no 4645 to 4673
Master reference no 4645 to 4673
29 casts

RIBS 86-1 MF JDSCHU
Latitudes 53.04 to 55.85
Longitudes 166.79 to 178.32
860470155 to 860591322
Your reference no 4674 to 4717
Master reference no 8 to 51
44 casts

OCT86 MF Reed
Latitudes 52.08 to 57.53
Longitudes 167.10 to 177.19
862970355 to 863091041
Your reference no 4718 to 4791
Master reference no 14 to 87
74 casts

Total casts = 4791

7174

11965

Bering Sea CTD

MF-84-05L1 FREEMAN TRAYNOR
Latitudes 54.76 to 60.61
Longitudes 158.38 to 178.86
842131304 to 842321344
Your reference no 4263 to 4310
Master reference no 4263 to 4310
48 casts

MF-84-05L2 FREEMAN COE
Latitudes 55.56 to 58.19
Longitudes 161.94 to 172.01
842380745 to 842571116
Your reference no 4311 to 4444
Master reference no 4311 to 4444
134 casts.

RP4MF85L2 FREEMAN FISK
Latitudes 54.99 to 58.02
Longitudes 159.59 to 165.20
850231258 to 850450906
Your reference no 4445 to 4480
Master reference no 4445 to 4480
36 casts

FISH-FRONT CHAPMAN INGRAM
Latitudes 53.92 to 57.85
Longitudes 162.91 to 167.91
822510200 to 822552037
Your reference no 4481 to 4539
Master reference no 470 to 528
59 casts

MF83-01 L2 MILLERFREE FISK/COE
Latitudes 53.84 to 57.66
Longitudes 159.60 to 168.86
830440204 to 830550826
Your reference no 4540 to 4580
Master reference no 529 to 569
41 casts

RP4OCB6LG1 OCEAD OVERLAND
Latitudes 62.90 to 72.51
Longitudes 160.87 to 172.23
862341709 to 862393240
Your reference no 4581 to 4600
Master reference no 4581 to 4600
20 casts

RP4OCB6LG2 OCEAD HAMEEDI
Latitudes 0.00 to 72.61
Longitudes 0.00 to 168.63
862410144 to 862491202
Your reference no 4601 to 4644
Master reference no 4601 to 4644
44 casts

NOAA Pacific Marine Environmental Lab. 8-JAN

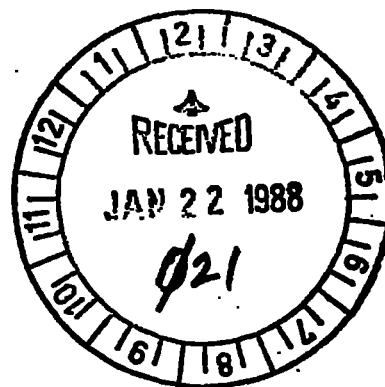
RRRRRRRRRR
RRRRRRRRRR
RRRRRRRRRR

K	K	AAA	CCCC	H	H	EEEE	L	
K	K	A	A	C	H	H	E	L
K	K	A	A	C	H	H	E	L
KKK		A	A	C	HHHH	EEEE	L	
K	K	AAAAA	C	H	H	E	L	
K	K	A	A	C	H	H	E	L
K	K	A	A	CCCC	H	H	EEEE	LLLL

SSSS	III	DDDD
S	I	D D
S	I	D D
SSS	I	D D
S	I	D D
S	I	D D
SSSS	III	DDDD

PPPP	RRRR	III	N	N	TTTT	11	333			
P	P	R	R	I	N	N	T	11	3	3
P	P	R	R	I	NN	N	T			3
PPPP	RRRR	I	N	N	N	T	11			3
P		R	R	I	N	NN	T	11		3
P		R	R	I	N	N	T		3	3
P		R	R	III	N	N	T			333

BERING SEA



File: #1\$DUA0: [1]SID.PRINT:3 (4236,12,0), last revised on 8-JAN-1988 09:40, is a 12 block sequential file owned by UIC [KACHEL]. The records are variable length with implied (CR) carriage control. The longest record is 39 bytes.

13 (1932) queued to MUP on 8-JAN-1988 09 40 by user KACHEL, UID [KACHEL],
account BR3A7320 at priority 100 started on printer _BETA\$TXA7: on
1988 02:40 from queue MVE.

RECEIVED
JAN 10 1967

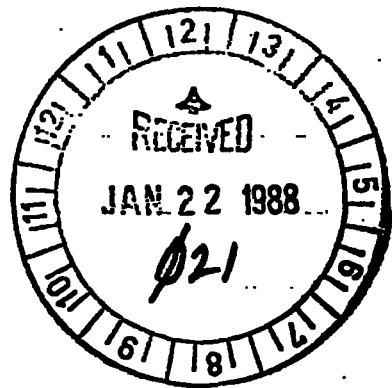
Digital Equipment Corporation - VAX/VMS Version V4.6
+-----+-----+-----+

FRANCO
ARMANDO
ARMANDO, 48

Mitch,

Enclosed are two CTD data tapes I received from PMEL recently. This note (also on transmittal) is to remind you that the first Gulf of Alaska dataset ~~to~~ is questionable and should not be included in the archival and processing. Please scratch this file RP22-FA-84 (leg 1). The rest should be OK. This problem, as I indicated, wasn't discovered until the tapes were created.

Sid Stillwaghn



Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8800018	C022	319778	0174	313F	31DS	1985/03/12	TV0372	176922
8800018	C022	319780	0174	313F	31DS	1985/07/25	TV0374	176924
8800018	F022	TV0372	0174	313F	31DS	1985/03/12	RP22-85	176936
8800018	F022	TV0374	0174	313F	31DS	1985/07/25	RP22-85	176938
8800018	C022	319772	9999	313F	31FN	1984/07/31	TV0365	176910
8800018	C022	319773	9999	313F	31FN	1985/01/23	TV0366	176911
8800018	C022	319774	9999	313F	31FN	1983/02/13	TV0368	176912
8800018	C022	319776	0174	313F	31FN	1986/02/16	TV0370	176913
8800018	F022	TV0365	9999	313F	31FN	1984/07/31	MF84-05	176916
8800018	F022	TV0366	9999	313F	31FN	1985/01/23	MF84-05	176917
8800018	F022	TV0368	9999	313F	31FN	1983/02/13	MF83-01	176919
8800018	C022	319779	0174	313F	31FN	1985/04/02	TV0373	176923
8800018	C022	319781	0174	313F	31FN	1985/05/02	TV0375	176925
8800018	C022	319782	9999	313F	31FN	1985/03/24	TV0376	176926
8800018	C022	319783	0174	313F	31FN	1986/03/13	TV0377	176927
8800018	C022	319784	0174	313F	31FN	1986/04/04	TV0378	176928
8800018	C022	319785	0174	313F	31FN	1986/05/02	TV0379	176929
8800018	C022	319786	0174	313F	31FN	1986/02/11	TV0381	176930
8800018	C022	319788	0174	313F	31FN	1986/10/17	TV0383	176932
8800018	C022	319789	0174	313F	31FN	1987/03/18	TV0384	176933
8800018	C022	319790	0174	313F	31FN	1986/08/10	TV0385	176934
8800018	F022	TV0373	0174	313F	31FN	1985/04/02	MF85-04	176937
8800018	F022	TV0375	0174	313F	31FN	1985/05/02	MF85-06	176939
8800018	F022	TV0376	9999	313F	31FN	1985/03/24	MF85-03	176940
8800018	F022	TV0377	0174	313F	31FN	1986/03/13	MF86-03	176941
8800018	F022	TV0378	0174	313F	31FN	1986/04/04	MF86-04	176942
8800018	F022	TV0379	0174	313F	31FN	1986/05/02	MF86-06	176943
8800018	F022	TV0381	0174	313F	31FN	1986/02/11	RIBS86-1	176945
8800018	F022	TV0383	0174	313F	31FN	1986/10/17	OCT86	176947
8800018	F022	TV0384	0174	313F	31FN	1987/03/18	FOCI871	176948
8800018	F022	TV0385	0174	313F	31FN	1986/08/10	JUN 87	176949
8800018	C022	319777	0174	313F	31MF	1986/10/24	TV0371	176914
8800018	F022	TV0370	0174	313F	31MF	1986/02/16	RIBS 86-	176920
8800018	F022	TV0371	0174	313F	31MF	1986/10/24	OCT 86	176921
8800018	C022	319787	0174	313F	31OC	1986/07/29	TV0382	176931
8800018	F022	TV0382	0174	313F	31OC	1986/07/29	FOCI86-I	176946
8800018	C022	319775	0081	313F	31OC	1986/08/22	TV0369	176950
8800018	F022	TV0369	0081	313F	31OC	1986/10/24	RP4-86	176951
8800018	C022	329545	0174	313F	32O9	1985/10/07	TV0380	176935
8800018	F022	TV0380	0174	313F	32O9	1985/10/07	FOX86-01	176944
8800018	C022	329541	9999	313F	32YN	1982/09/08	TV0367	176915
8800018	F022	TV0367	9999	313F	32YN	1982/09/08	FISH-FRO	176918

(42 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8800018	C022	319778	31DS	189	192	85/03/12	85/03/28
8800018	C022	319780	31DS	36	37	85/07/25	85/07/28
8800018	F022	TV0372	31DS	189	6672	85/03/12	85/03/28
8800018	F022	TV0374	31DS	36	1478	85/07/25	85/07/28
8800018	C022	319772	31FN	182	182	84/07/31	84/09/13
8800018	C022	319773	31FN	36	36	85/01/23	85/02/14
8800018	C022	319774	31FN	41	41	83/02/13	83/02/24
8800018	C022	319776	31FN	44	84	86/02/16	86/02/28
8800018	F022	TV0365	31FN	182	2704	84/07/31	84/09/13
8800018	F022	TV0366	31FN	36	558	85/01/23	85/02/14
8800018	F022	TV0368	31FN	41	782	83/02/13	83/02/24
8800018	C022	319779	31FN	29	29	85/04/02	85/04/10
8800018	C022	319781	31FN	42	42	85/05/02	85/05/11
8800018	C022	319782	31FN	19	19	85/03/24	85/03/27
8800018	C022	319783	31FN	28	14	86/03/13	86/03/23
8800018	C022	319784	31FN	12	12	86/04/04	86/04/12
8800018	C022	319785	31FN	77	77	86/05/02	86/05/18
8800018	C022	319786	31FN	7	7	86/02/11	86/02/11
8800018	C022	319788	31FN	13	13	86/10/17	86/10/19
8800018	C022	319789	31FN	7	7	87/03/18	87/03/18
8800018	C022	319790	31FN	50	50	86/08/10	86/08/11
8800018	F022	TV0373	31FN	29	1247	85/04/02	85/04/10
8800018	F022	TV0375	31FN	42	1794	85/05/02	85/05/11
8800018	F022	TV0376	31FN	19	848	85/03/24	85/03/27
8800018	F022	TV0377	31FN	28	644	86/03/13	86/03/23
8800018	F022	TV0378	31FN	12	648	86/04/04	86/04/12
8800018	F022	TV0379	31FN	77	3075	86/05/02	86/05/18
8800018	F022	TV0381	31FN	7	302	86/02/11	86/02/11
8800018	F022	TV0383	31FN	13	398	86/10/17	86/10/19
8800018	F022	TV0384	31FN	7	327	87/03/18	87/03/18
8800018	F022	TV0385	31FN	50	2109	86/08/10	86/08/11
8800018	C022	319777	31MF	74	145	86/10/24	86/11/05
8800018	F022	TV0370	31MF	44	9339	86/02/16	86/02/28
8800018	F022	TV0371	31MF	74	20676	86/10/24	86/11/05
8800018	C022	319787	31OC	124	135	86/07/29	86/08/15
8800018	F022	TV0382	31OC	124	5704	86/07/29	86/08/18
8800018	C022	319775	31OC	93	92	86/08/22	86/09/17
8800018	F022	TV0369	31OC	93	777	86/10/24	86/11/05
8800018	C022	329545	32O9	141	143	85/10/07	85/10/25
8800018	F022	TV0380	32O9	141	4703	85/10/07	85/10/25
8800018	C022	329541	32YN	59	59	82/09/08	82/09/12
8800018	F022	TV0367	32YN	59	1299	82/09/08	82/09/12

(42 rows affected)