

DDF A:1:04

DATA DOCUMENTATION FORM

TR0154-5

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

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			
George C. Anderson Ph: 543-5006 Ronald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSAP - R.V. #58		File ID # VIT USR File 1/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
R.V. Vityaz	Ship	USSR USSR	FROM: MO, DAY, YR TO: MO, DAY, YR 581014 581204 690506 690616
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. Eastern Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

TRO156-9

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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ROCKVILLE, MARYLAND 20852FORM APPROVED
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED									
Gordon C. Anderson Ph: 513-5846 Donald K. Lam Ph: 513-0117 Department of Oceanography University of Washington Seattle, Wash. 98195									
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT							
UCSRAT - R.V. R/V		File ID # CSM JAP File 2/19							
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)							
R/V Glenn Marie	Ship	<table border="1"> <thead> <tr> <th colspan="2">7. DATES</th> </tr> <tr> <th>PLATFORM</th> <th>OPERATOR</th> </tr> </thead> <tbody> <tr> <td>JAPAN</td> <td>JAPAN</td> </tr> </tbody> </table>		7. DATES		PLATFORM	OPERATOR	JAPAN	JAPAN
7. DATES									
PLATFORM	OPERATOR								
JAPAN	JAPAN								
		FROM: MO/DAY/YR	TO: MO/DAY/YR						
		590625	700724						
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		Eastern Subarctic Pacific GENERAL AREA							
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I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?									
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DATA DOCUMENTATION FORM

TR 0160-2

NOAA FORM 24-13
(4-72)

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

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

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED											
George S. Anderson PH: 543-5016 Ronald K. Lee PH: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT									
OCEANAT - R.V. <i>Albatross</i>		File I.D. # HAM JAP File 3/19									
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BOOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES								
R.V. <i>Hakuhō-Maru</i>	Ship	JAPAN JAPAN	<table border="1"> <thead> <tr> <th>FROM: MO/DAY/YR</th> <th>TO: MO/DAY/YR</th> </tr> </thead> <tbody> <tr> <td>6/6/82</td> <td>6/9/82</td> </tr> <tr> <td>7/0/82</td> <td>7/0/82</td> </tr> <tr> <td>7/4/82</td> <td>7/4/82</td> </tr> </tbody> </table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	6/6/82	6/9/82	7/0/82	7/0/82	7/4/82	7/4/82
FROM: MO/DAY/YR	TO: MO/DAY/YR										
6/6/82	6/9/82										
7/0/82	7/0/82										
7/4/82	7/4/82										
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. Eastern Subarctic Pacific GENERAL AREA									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)											
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ACCESSION
NUMBER

76-1768

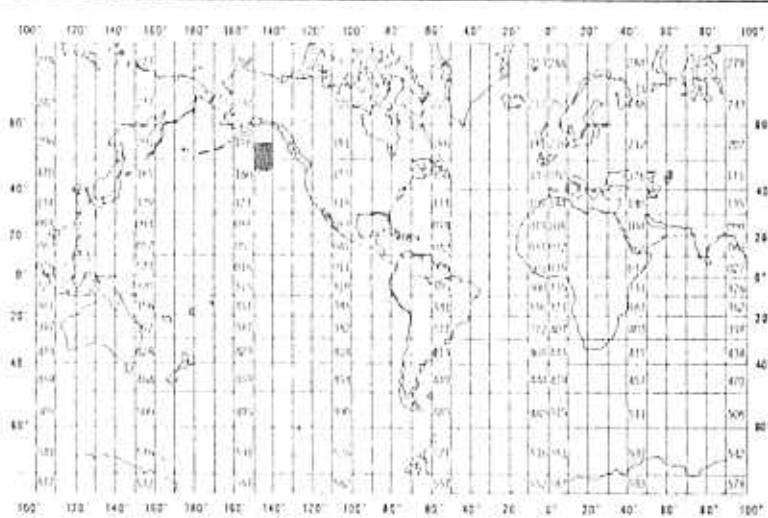
DATA DOCUMENTATION FORM

TR0163-83
TR0950-66OAA FORM 24-13
(2-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
George U. Anderson Ph: 543-5406 Ronald E. Lee Ph: 543-0147 Department of Oceanography University of Washington 5101 University Avenue SE Seattle, Washington 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSMP - I.E. 1979		File ID# STPCAN File 4/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
St. Catharines St. Vancouver	Ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		CANADA CANADA	570715 671020
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		9. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Eastern Subarctic Project GENERAL AREA	
10. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		11. MAP	
12. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

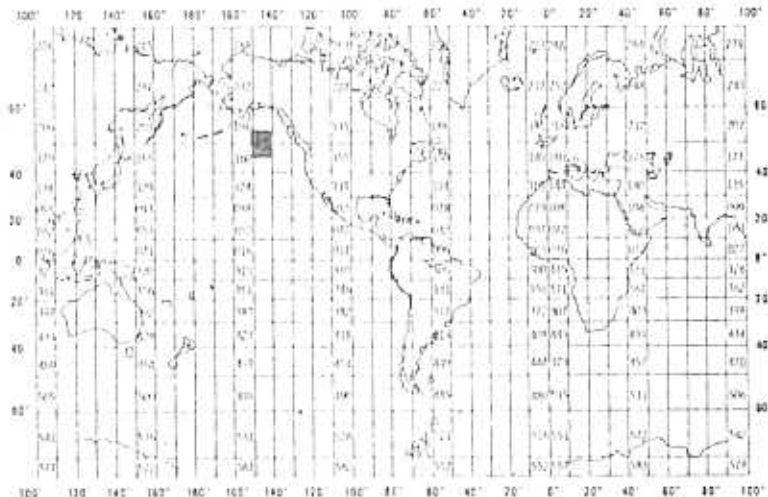
TR 0967-83

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
George H. Anderson Ph: 513-5006 Donald K. Low Ph: 513-0117 Department of Oceanography University of Washington 5111 University Way NW			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCEAN - I. H. 1959		File I.D. # SPA CAN File 5/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
CCGS Gandra CCGS Vancouver	Ship	PLATFORM: OPERATOR: FROM: MO/DAY/YR TO: MO/DAY/YR	
		CANADA CANADA	680227 700930
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		9. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Eastern Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
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DATA DOCUMENTATION FORM

TR0984-5

NOAA FORM 24-13
(4-72)

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
George C. Anderson Ph: 543-5076 Ronald K. Lee Ph: 543-0117 Department of Geography University of Washington 35111, 15-240, Lee 20100			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCEANAP - L.H. #50		File L.D. # 041 CAN File 6/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
CNAV Oshawa	Ship	PLATFORM OPERATOR FROM: MO, DAY, YR TO: MO, DAY, YR	
		CANADA CANADA 610704 620420	
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		9. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Eastern Subarctic Pacific GENERAL AREA	
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DATA DOCUMENTATION FORM

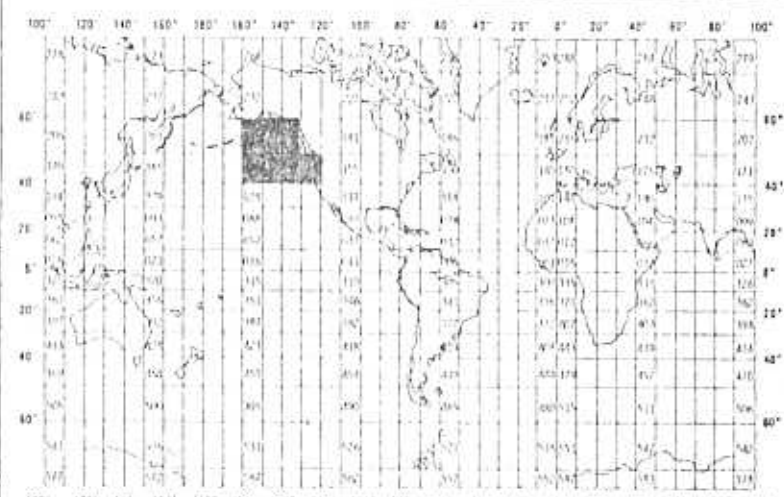
TR0986

NOAA FORM 24-13
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George U. Anderson Ph: 543-5046 Ronald K. Lee Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSAP - I.U. #58		File I.D.# GPR 144 File 7/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
G.P. Reed	Ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		Canada Canada	640107 640207
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. Eastern Subarctic Pacific GENERAL AREA	
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DATA DOCUMENTATION FORM

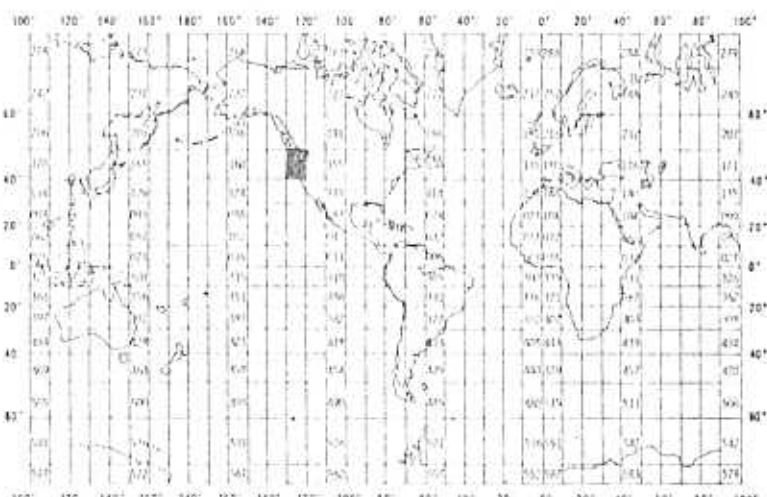
TR0987

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
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George C. Anderson Ph: 543-5446 Ronald K. Lee Ph: 543-0117 Department of Oceanography University of Washington 3-113, Seattle, WA 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCEANAP - L.N. 159		File ID # STREEO File 8/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
NP (not published) INX 11/12	Ship	PLATFORM OPERATOR FROM: MO/DAY/YR TO: MO/DAY/YR	
		CANADA CANADA 660202 660710	
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. Strait of Georgia GENERAL AREA	
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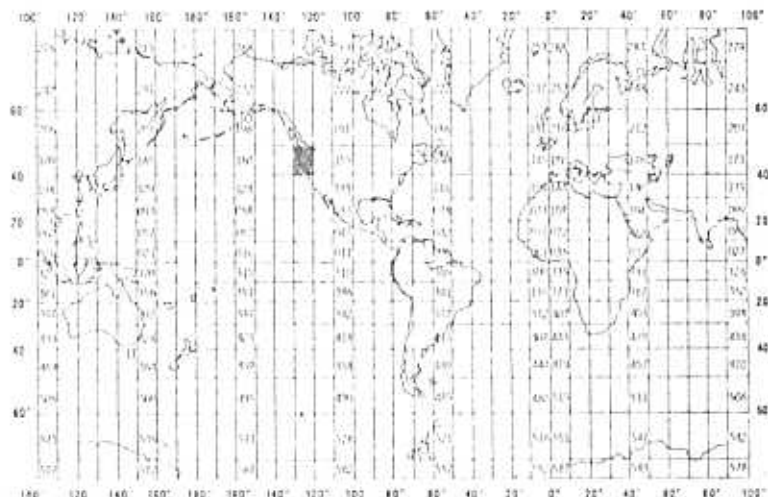
TR09878

NOAA FORM 24-13
14-721U.S. DEPARTMENT OF COMMERCE
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCCUP - 1.1. 1980		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D. # SAANUM File 9/19									
4. PLATFORM NAME(S) CNAV Reperm Barge YB03	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>Canada</td><td>Canada</td><td>660531</td><td>660723</td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR	Canada	Canada	660531	660723
PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR								
Canada	Canada	660531	660723								
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DATA DOCUMENTATION FORM

TR0989

NOAA FORM 24-13
14-721

U.S. DEPARTMENT OF COMMERCE
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OCEANAP - R.N. 250		File ID. # END TRP File 10/19							
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)							
RV Endeavour	Ship	<table border="1"> <thead> <tr> <th colspan="2">DATES</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>070318</td> <td>070420</td> </tr> </tbody> </table>		DATES		FROM	TO	070318	070420
DATES									
FROM	TO								
070318	070420								
7. 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		Subarctic Pacific GENERAL AREA							
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?									
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)									
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)									

DATA DOCUMENTATION FORM

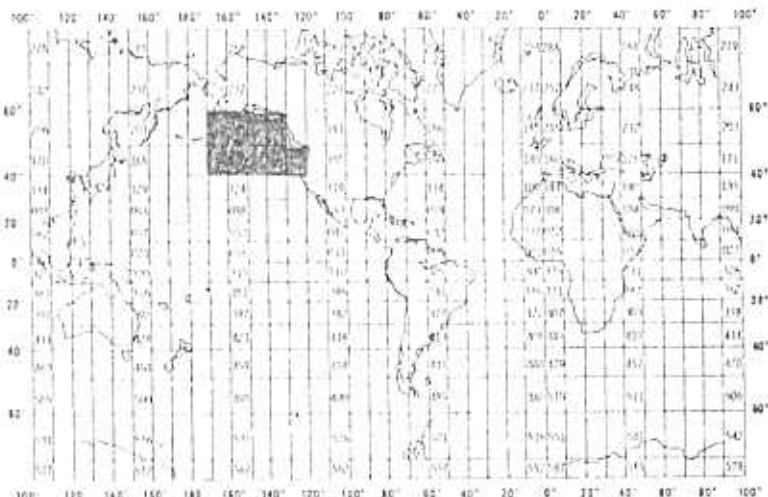
TR0990-1

NOAA FORM 24-13
(8-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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			
George C. Anderson Ph: 543-5046 Donald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Box 355060, Seattle, WA 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSAP - R.N. 259		File ID # BRB 125A File # 11/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
RV Brown Bear	Ship	PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		USA USA	580701 590728
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		9. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Subarctic Pacific GENERAL AREA	
10. ARE DATA DECLARED NATIONAL PROGRAM (ONPI)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA- TIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		11. MAP	
12. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

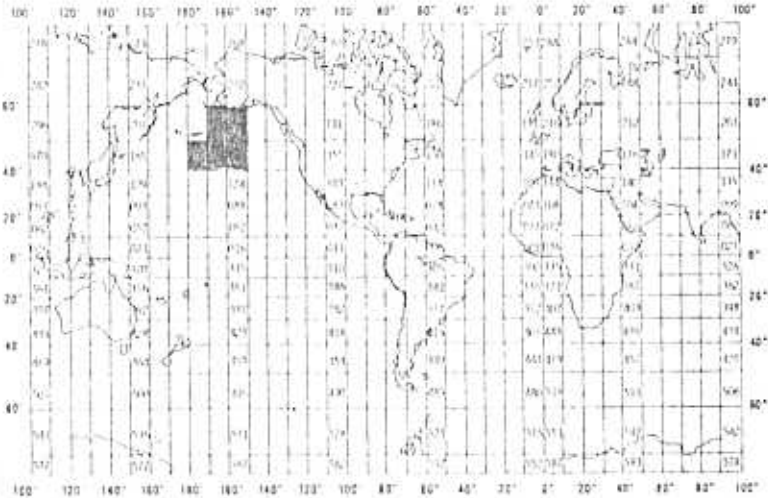
TR0992

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED			
George C. Anderson Ph: 213-5017 Ronald K. Lee Ph: 213-0117 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCEANAP - 1.1. / 1950		File ID# H.M.S. 046 File 12/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR 7. DATES NATIONALITY(IES)	
Hugh M Smith	Ship	PLATFORM OPERATOR FROM: MO, DAY, YR TO: MO, DAY, YR	
		USA USA 580802 580903	
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. Central Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)	
			

DATA DOCUMENTATION FORM

TR0993

NOAA FORM 24-13
14-721

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

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

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED											
George C. Anderson Ph: 143-5086 Donald E. Lee Ph: 143-0147 Department of Oceanography University of Washington 3441, Washington 20547											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT									
OCEAN - W. H. #58		File I.D. # PNN 06-6 File 13/19									
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)									
U.S. & G.S. Ship Pioneer	Ship	DATES <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.A.</td> <td>U.S.A.</td> <td>6/10/92</td> <td>6/10/94</td> </tr> </tbody> </table>		PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	U.S.A.	U.S.A.	6/10/92	6/10/94
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
U.S.A.	U.S.A.	6/10/92	6/10/94								
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. Central Subarctic Pacific GENERAL AREA									
9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)											
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)											

DATA DOCUMENTATION FORM

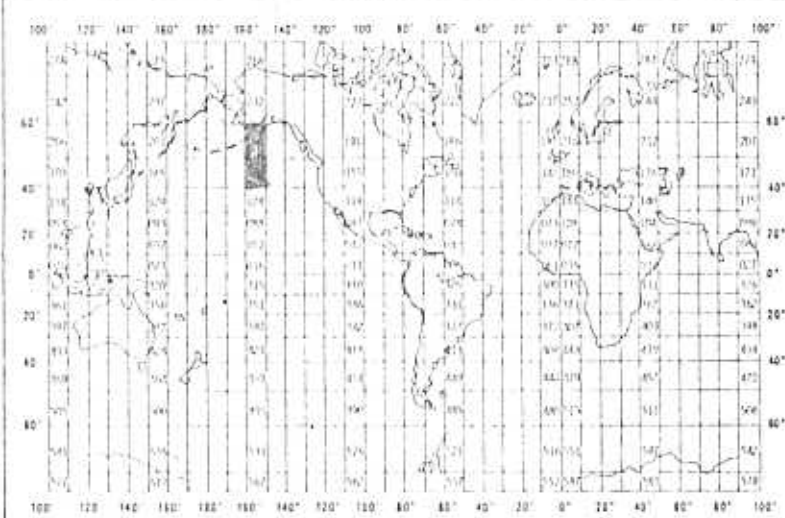
TR0994

NOAA FORM 24-13
(5-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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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 George C. Anderson Ph: 513-5006 Donald K. Iam Ph: 513-0107 Department of Oceanography University of Washington 5101, University Way S			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCEAN - R. N. 1959		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File L.D. # AGURSA File H/19	
4. PLATFORM NAME(S) R/V Alexander Agassiz	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR USA USA	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 640825 640704
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. 155 W Meridian - North Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

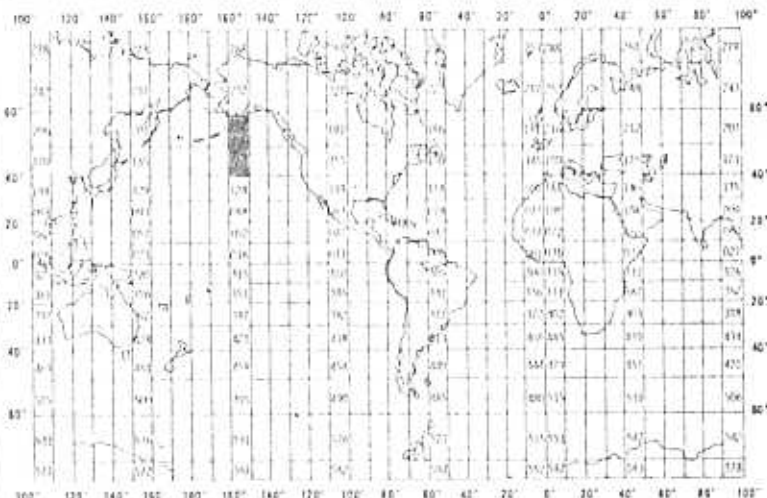
TR0995

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

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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					
George C. Anderson Ph: 523-5096 Randall K. Im Ph: 523-0187 Department of Oceanography University of Washington Seattle, Wash. 98195					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT			
OCEAN - L.P. 858		FILE ID.# AREZET File 15/19			
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR 7. DATES			
RV Argo	Ship	NATIONALITY(IES)			
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
		USA	USA	6/6/18	6/6/19
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 DAY		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. 13541 Mendocino - North Pacific GENERAL AREA			
9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)					
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)					

DATA DOCUMENTATION FORM

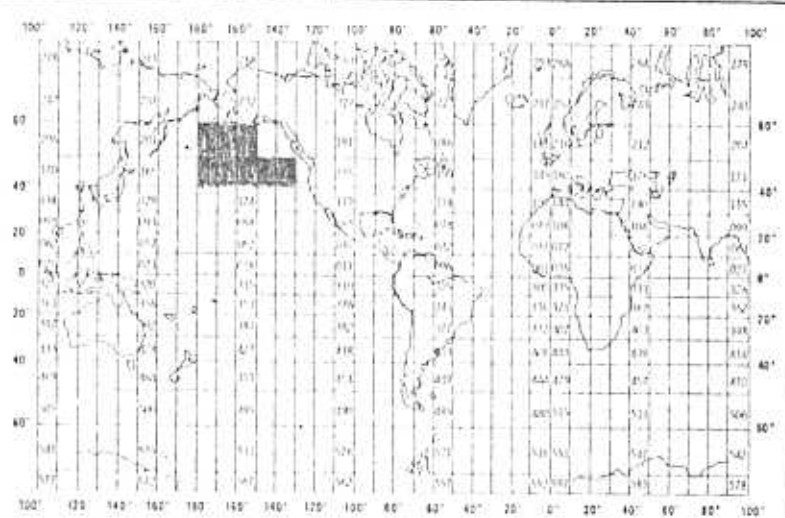
TR0996-1003

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

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED George C. Anderson Ph: 543-5044 Ronald K. Lee Ph: 543-0347 Department of Oceanography University of Washington 8-1111g, Seattle, Wash 98195											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCEAN - R.N. 858		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I D#1 KEL USA File 16/19									
4. PLATFORM NAME(S) R/V George B. Kelez	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR 7. NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td><td>660318</td><td>680515</td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	USA	USA	660318	680515
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
USA	USA	660318	680515								
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. Subarctic Pacific GENERAL AREA									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? ... SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)											
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)											

DATA DOCUMENTATION FORM

TR1004

IOAA FORM 24-13
4-721U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

George C. Anderson Ph: 513-5376
Ronald K. Lee Ph: 513-0347
Department of Oceanography
University of Washington
3010, University Ave

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

OCSEAP - 14.11. 1958

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

File I.D.# PAR 266

File 17/19

4. PLATFORM NAME(S)

5. PLATFORM TYPE(S)
(E.G., SHIP, BUOY, ETC.)

Mr Paragon

SHIP

6. PLATFORM AND OPERATOR 7. NATIONALITY(IES)

DATES

PLATFORM OPERATOR FROM MO/DAY/YR TO MO/DAY/YR

USA

USA

660610

660621

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF 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.

Central Subarctic Pacific

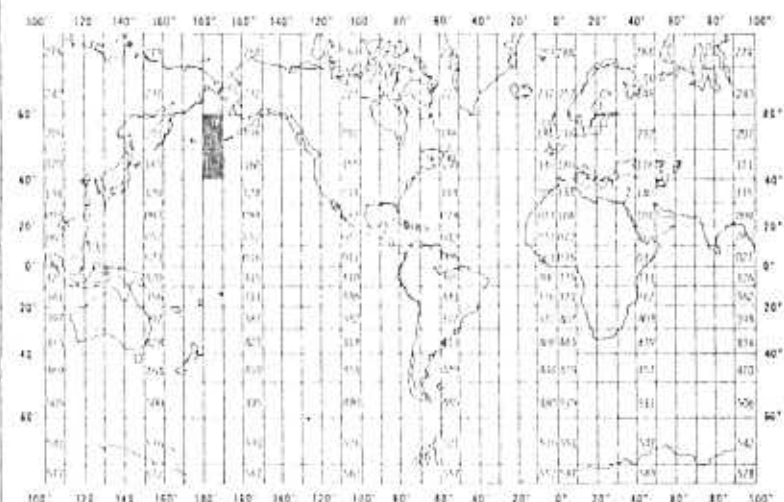
GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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



ACCESSION
NUMBER

76-1768

DATA DOCUMENTATION FORM

TR1005-9

NOAA FORM 24-13
10-721U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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George G. Anderson Ph: 203-5096
Donald E. Lam Ph: 203-0117
Department of Oceanography
University of Washington
3-1111, Seattle, WA 98195

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

OCSOAP - E.E. RSP

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

File ID # TGT USA

File 18/19

4. PLATFORM NAME(S)

R. Thomas E.
Thompson

5. PLATFORM TYPE(S)
(EAG, SHIP, BUOY, ETC.)

Ship

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

PLATFORM

OPERATOR

FROM: MO/DAY/YR

DATES

TO: MO/DAY/YR

USA

USA

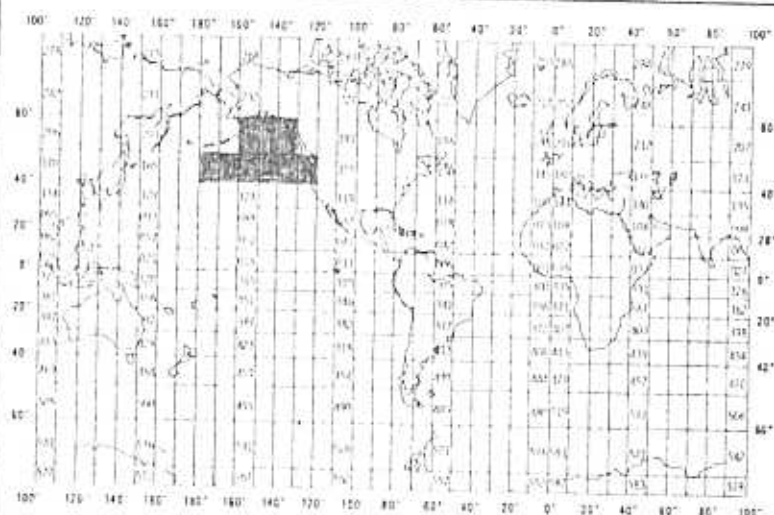
6/07/05

7/07/05

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF YES, WHEN CAN THEY BE RELEASED
FOR GENERAL USE? YEAR MONTH9. ARE DATA DECLARED NATIONAL
PROGRAM (ONPI)?I.E., SHOULD THEY BE INCLUDED IN WORLD
DATA CENTERS HOLDINGS FOR INTERNA-
TIONAL EXCHANGE?☒ NO ☐ YES ☐ PART (SPECIFY BELOW)PERSON TO WHOM INQUIRIES CONCERNING
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PHONE NUMBER AND ADDRESS IF OTHER
THAN IN ITEM 1)11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA
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Eastern Subarctic Pacific
GENERAL AREA



DATA DOCUMENTATION FORM

TRI 010-1049
TRI 054-1055

AA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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Gordon W. Anderson Ph: 543-5096
Donald K. Lee Ph: 543-0147
Department of Oceanography
University of Washington
Seattle, Washington 98195EXPEDITION, PROJECT, OR PROGRAM DURING WHICH
DATA WERE COLLECTED

OCEAN - L.B. 1958

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

File I.D.# S44 WSA

File 19/19

PLATFORM NAME(S)

Oregon Mail SS Oregon Mail
Scan Mail SS Alaska Mail
SA Alaska Mail
Japan Mail
Shipper Mail
India Mail
Hankow Mail5. PLATFORM TYPE(S)
(E.G., SHIP, BUOY, ETC.)

Ship

6. PLATFORM AND OPERATOR

NATIONALITY(IES)

PLATFORM

OPERATOR

USA

USA

DATES

FROM: MO, DAY, YR

650227

TO: MO, DAY, YR

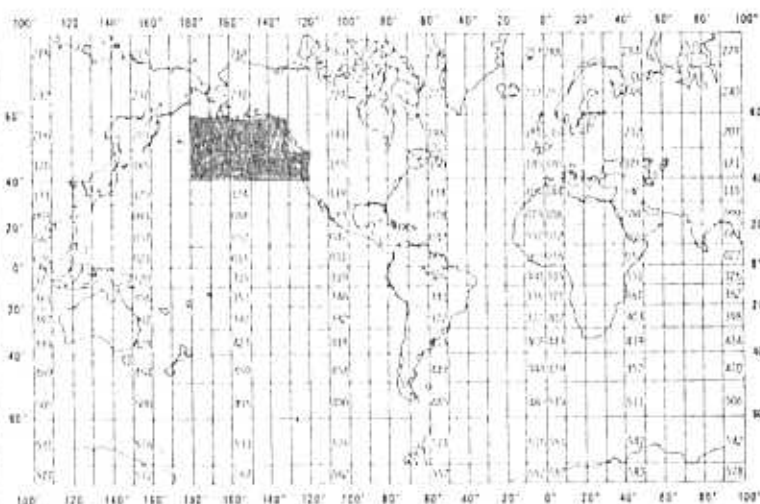
720604

ARE DATA PROPRIETARY?

☒ NO ☐ YESIF YES, WHEN CAN THEY BE RELEASED
FOR GENERAL USE? YEAR MONTHARE DATA DECLARED NATIONAL
PROGRAM (DNP)?(I.E., SHOULD THEY BE INCLUDED IN WORLD
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TIONAL EXCHANGE?)☒ NO ☐ YES ☐ PART (SPECIFY BELOW)PERSON TO WHOM INQUIRIES CONCERNING
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PHONE NUMBER (AND ADDRESS IF OTHER
THAN IN ITEM 1)11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA
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Eastern Subarctic Pacific

GENERAL AREA



D. INSTRUMENT CALIBRATION 500 USA

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 (✓)		
Spectrophotometer Beckman DK-2a	NA	✓			✓					
liquid scintillation spectrometer Packard 3310	1968	✓		rough checks					✓	
Auto analyzer Technicon	NA	✓			✓					
Gasometer-induction Hof Washington	NA									



Elaine

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Outer Continental Shelf Environmental
Assessment Program
Bering Sea-Gulf of Alaska Project Office
P. O. Box 1808
Juneau, Alaska 99802
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Date : December 13, 1976

To : Jim Audet, EDS Data Coordinator
National Oceanographic Data Center

From : Francesca M. Cava, Assistant Data Manager
NOAA/OCSEAP - Juneau Project Office *McCave*

Subject: Data Errors, R.U. 58.

Enclosed please find a list of data errors sent to us by Beatrice Booth. These errors apply to the magnetic tape labelled Tape #1 forwarded to you by me on October 28, 1976. May I recommend that you keep this list on file with that data's documentation until the entire data set is resubmitted on March 30. That way anyone requesting data retrieval before the data resubmission will be apprised of the errors.

cc: B. Booth
S. Andersen

Enclosure

NOA 26-1768



UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Oceanography
Cable Address: UNWAD0

RECEIVED
DEC 03 1976
NEGOA

To: Mauri J. Pelt
Data Manager, CCSFAP
PO Box 1808
Juneau

From: Beatrice Booth
RU #58

Enclosed please find the errors to date
on Tape #1 CCSFAP RU #58. The correct values
only are listed on the sheet. Comparison with the
printout will show the erroneous values.

CORRECTIONS TO TAPE #1 OCSFAP RU# 58

NOV 30, 1976

FILE BLOCK	FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	SAMPLE DEPTH	CORRECT	VALUES	VALUES (decimals are implied)		
						Columns 20-23	Columns 37-40			
3	2	029	2	02022	0000 0240 0480 0730 0970 115.0 193.0 289.0 284.0 479.0 574.0 670.0 766.0 433.0 528.0 921.0 915.0	blank blank blank blank blank blank blank blank blank blank blank blank blank blank blank blank blank	06.91 07.03 06.93 06.90 06.83 05.23 03.30 02.01 01.25 00.91 00.58 00.55 00.42 01.08 00.70 00.44 00.39		A system correct Ox49 values were referred in the chlorine column	
6	1	029	2	61010	005.0 010.0 015.0 020.0 025.0	blank blank blank blank blank	no change			A system correct Chloro values were entire correct cf bla
6	1	029	2	61011	005.0 010.0 015.0 020.0 025.0	blank blank blank blank blank				
19	25	029	2	39018	000.0	01.28				

2/24

Call from Sid
Trice Bath -

76-1768
Corrections

a) The following files ended in hundredths

✓ 1) VITUSR	TR0154-TR0155	2
✓ 2) HAMJAP	TR0160-TR0162	3
✓ 3) ACUUSA	✓ TR1683-TR1688	6
✓ 4) STREGO	✓ TR0987	1
✓ 5) ENTREP	✓ TR0981	1
✓ 6) TGTUSA	✓ TR1005-TR1009	5

b) STREGO -

TR0987
STF 006A2 - Long = $124^{\circ}39.12'W$
004A3 - Date = 660322
004A5 - Date - convert as is 6602

c) Tape #1 - submitted in 029

3/31/76

RT2 - Halgimlton data - 73-76

Desired data were to be removed

RT 3 - converted 7/22/76

* numbers in bytes 75-77 are
Zooplankton data - which should be
blanked.

* Ck. salinity field in case of
carry over of some part

Dr. Campbell Lam - 029 Date = Prin. Pl. 1

① Are all ~~last~~ locations coded to hundredths
instead of seconds.

Which cruises (DDFs) ← TGT USA
VITUSR

② Extra digits in 75 17 - no. type. 3

OSmJAP PNN066

END TRP
Hms 046

20 Files

12/6
Dean will check
in this

Missing pos. it

STRGEO
STA 006A2
49350⁶N

Also - corrected : STRGEO
4A1 66 0324
STA 4A3 66 03.77
4A5 66 0323
4A7 66 0328

will change
to
(27) OK?
(28)

Most days appear to be sorted in order.

CORRECTIONS

76-1768

①

All record type '2' corrected to type '3'
and appropriate data shifts made to
agree with record '3' format

472 blank records removed

File ID's changed to TRACKS

In track TR0172, CDtype 3, station 10717,
sequence # 2 - depth of sample 0/20
corrected to 0020.

In track TR0180, CDtype 3, station 30420
sequence # 2 - depth of sample 0/30
corrected to 0030.

In track TR0998, CDtype 1, station 1705D
longitude hemisphere corrected from N to W

In track TR0998, CDtype 1, station 1712A
longitude hemisphere corrected from N to W

(2)

In track TR0999, CD type 1, station 3925P
latitude hemisphere corrected from W to N

In all CD type 1's the 'E' corrected to '+'

In first record of data set
UITGAZ corrected to VITYAZ

In Track TR1009, CD type 0,
OTPG Thompson corrected to OTG Thompson

In track TR0953, CD type 3, station 41122,
Sequence #2 - depth of sample corrected
from 0630 to 0030.

In track TR0987, CD type 1, station 004A3
day corrected from 77 to 22 - see orig. correction

In track TR0987, CD type 1, station 006A2
longitude 111112W. corrected to 12439W -
see orig. corrections

CORRECTIONS 76-1768

See orig. corrections — File IDs
 VITUSR, HAMJAP, STRGED, ENDTRP, TGTUSA,
 and ACOUSA — the seconds of latitude
 and longitude were coded in ^(of a minute) hundredths.
 These ^(of a minute) hundredths were corrected
 to seconds (1-59).

In track TR0154, station #29064, CD type 1,
 05810008 W corrected to 15810008 W.

For track TR0155 — station 45131 assigned
 twice. 2nd 45131 station corrected
 to 4513A

Deleted ^{a record} type 1, TR0175, station 20306.
 An identical record preceded this.

Deleted ^a record type 1, TR0175 station 20312.
 An identical record preceded this.
 Grouped together appropriate detail
 records with master records of stations
 20306 and 20312, TR0175.

CORRECTIONS

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For TR0987, a record type 3, station 006A2
depth of sample corrected from 010 to 0100

For TR0988, a record type 3, station 08B07,
chlorophyll A corrected from 015 to 0150.

For TR0992, a record type 3, station 00044,
Oxygen corrected from 0022 to 0220.

For track TR1683 - station 13101 assigned twice.
2nd 13101 station corrected to 1310A.

In track TR0167, a record type 3, station 00626
a salinity value 3273 moved from cols 70-73
to its correct field cols 71-74

In track TR0969, a record type 3, station 80815
a zero removed from col 49

In track TR0992, a record type 1, station 0098A
mixed layer value 03 corrected to 030

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CORRECTIONS

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In track TR0997, a record type 3, station 3614D
a chlorophyll A value 002 corrected to 0020

In track TR1002, a record type 3, station 7701D
a 0 value in the nitrite field removed

In track TR1004, a record type 3, station 0009C
a 0 value in the temperature field removed

In track TR1687, a record type 3, station 28973
a value 0694 located in cols 43-46
shifted to its correct field 38-41 (oxygen).

In track TR1013, a record type 1, station 05041
longitude corrected from 13063 to 13603.