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10AA FORM 24-13

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

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

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DAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE NAL 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 IN	ASTITUTION, LABOR	RATORY, O	R ACTIVITY WIT	TH WHICH SUBM	NTTED DATA A	RE ASSOCIATED
University of Washin Department of Oceand Seattle, Washington	ngton ography					
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURIN	IG WHICH	3. CRUISE NUM DATA IN TH	MBER(S) USED E	BY ORIGINATOR	R TO IDENTIFY
Technical Report No.	. 113		Mile representation of the second			
Technical Report No.			BB259			
			TR1380			
4. PLATFORM NAME(S)	PE(S) OY, ETC.)	6. PLATFORM A	AND OPERATOR TY(IES)	i c	TE3	
		J	PLATFORM	OPERATOR	FROM: MOJDAY,YE	TO: MO/DAY/YE
Brown Bear	Ship		u.s.	u.s.	05/02/60	05/06/60
8. ARE DATA PROPRIETARY	?	11. PLEAS	SE DARKEN ALI	L MARSDEN SQL	UARES IN WHIC	H ANY DATA
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OAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPICERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARY LAND 20852

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data snipments should be sent to the above address.

THIS SECTION MUST BE COM	PLETED BY DONOR	FOR ALL	DATA TRANSMI	TTALS		
1. NAME AND ADDRESS OF IN	STITUTION, LABOR	ATORY, O	R ACTIVITY WIT	H WHICH SUBN	MITTED DATA A	RE ASSOCIATE
Univers <b>t</b> ty of Washi	ngton	•	•			
Department of Ocean						. •
Seattle, Washington	98105					
2 EXPEDITION DOG TO						
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH	3. CRUISE NUN DATA IN TH	MBER(S) USED IIS SHIPMENT	BY ORIGINATOR	TO IDENTIFY
Technical Report No	113		200			
Technical Report No			BB261			
			TR138	1.		
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SIIIP, BUO	E(S) Y, ETC.).	6. PLATFORM A NATIONALIT	ND OPERATOR Y(IES)		TES
	·		PLATFORM	OPERATOR	FROM: MO,DAY,YE	TO: MO DAY Y
Brown Bear	Ship		u.s.	u.s.	05/17/60	05/17/60
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## DATA DOCUMENTATION FORM

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NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPICENC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCK VILLE, MARY LAND 20852

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

THIS SECTION MUST BE COMP	LETED BY DONOR	FOR ALL I	DATA TRANSMI	TTALS		
1. NAME AND ADDRESS OF IN	STITUTION, LABOR	ATORY, O	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	REASSOCIATED
University of Washir			•	•		
Department of Oceand				•		
Seattle, Washington	98105	•	•			
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	3 WHICH		WBER(S) USED E	BY ORIGINATOR	TO IDENTIFY
Technical Report No.	113					
Technical Report No.		•	BB262			
			TR138	2		
4. PLATFORM NAME(S)	5. PLATFORM TYP (E.G., ShIP, BUO		6. PLATFORM A	AND OPERATOR CY(IES)		TES
			PLATFORM	OPERATOR	FROM: MODAY,YE	TO: MO/DAY/YE
Brown Bear	Ship		u.s.	u.s.	05/19/60	05/23/60
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8. ARE DATA PROPRIETARY	?				UARES IN WHICE ERE COLLECTI	
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IF YES, WHEN CAN TH FOR GENERAL USE!				GENERAL AF	REA	
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## DATA DOCUMENTATION FORM

OAA FORM 24-13

NOAA FORM 24-18

U.S. CEPARTMENT OF COMMERCE
NATIONAL GCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCK VILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R265:

	A. ORIG	MATOR	IDENTIFICAT	ION		
THIS SECTION MUST BE COMP	LETED BY DONOR F	OR ALL I	DATA TRANSMIT	TTALS		
1. NAME AND ADDRESS OF IN	STITUTION, LABORA	TORY, O	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA A	RE ASSOCIATED
University of Washin Department of Oceand Seattle, Washington	ography		•			
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WhiCH		BER(S) USED E	Y ORIGINATOR	R TO IDENTIFY
Technical Report No. Technical Report No.			BB264			
			TR1383		•	
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO)		6. PLATFORM A	NDOPERATOR 'Y(IES)	7. DA	TES
			PLATFORM	OPERATOR	FROM: MO,DAY,YE	TO: MO DAY YE
Brown Bear	Ship	•	u.s.	u.s.	06/07/60	06/08/60
8. ARE DATA PROPRIETARY			SE DARKEN ALI AINED IN YOUR			
IF YES, WHEN CAN THE FOR GENERAL USE:			• ,	GENERAL AF	REA	
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NOAA FORM 24-13 4-721 U.S. CEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R265

	A DOLL	DEATOR	IDENTIFICA	TION		
THIS SECTION MUST BE COMP			STATISTICS OF COMPANY			
University of Washin Department of Ocean Seattle, Washington	ngton ography	ATORY, O	R ACTIVITY W	ITH WHICH SUB	MITTED DATA A	RE ASSOCIATED
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Technical Report No Technical Report No			BB265			
			TR138	4		
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Brown Bear	Ship		u.s.	u.s.	06/10/60	06/11/60
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10AA FORM 24-13

U.S. SEPARTMENT OF COMMERCE:
NATIONAL OCEANIC AND ATMOSSHERIC ADMINISTRATION
NATIONAL OCEANOGRAPMIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

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

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NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MATIONAL OCEANOGRAPHIC DATA CENTER
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10AA FORM 24-13

10 AA FORM: 24-12

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARKLAND 20852 FORM APPROVED O.M.B. No. 41-R265

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THIS SECTION MUST BE CO.				U. D. WELLEY		
1. NAME AND ADDRESS OF		ATORY, O	R ACTIVITY WIT	TH WHICH SUBM	ITTED DATA A	REASSOCIATE
University of Wash						
Department of Ocea Seattle, Washingto						
Seattle, washingto	11 20103					
2. EXPEDITION, PROJECT, DATA WERE COLLECTE		WHIGH		HIS SHIPMENT	BY ORIGINATO	R TO IDENTIFY
Technical Report N	to 112					
Technical Report N			BB 273			
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Brown Bear	Ship		u.s.	u.s.	10/21/00	12/30/60
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10AA FORM 24-13 4-12)

U.S. -CEPARTMENT OF COMMERCE NATIONAL OCEANICAND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANICAND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20852 FORM APPROVED O.M.B. No. 41-R2651

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University of Wash			•	•		•
Department of Ocean	· · · · · · · · · · · · · ·	•				
Seattle, Washington	1 98105					
			•			
EXPEDITION, PROJECT, DATA WERE COLLECTED		HICH		BER(S) USED IS SHIPMENT	BY ORIGINATOR	TO IDENTIFY
Technical Report No Technical Report No			BB276			
			TR138	<b>∞</b> €		
PLATFORM NAME(S)  5. PLATFORM TYPE(S)  (E.G., SSIP, BUGY, ETC.)			6. PLATFORM / NATIONALIT		1.	TES
		•	PLATFORM	OPERATOR	FROM: MOJDAY,YE	TO: MO', DAY /Y
Brown Bear	Ship		u.s.	u.s.	02/06/61	
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NOAA FORM 24-13

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

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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NOAA FORM 24-13

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U.S. CEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MAR/L AND 20852

FORM APPROVED O.M.B. No. 41-R265

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 University of Washington Department of Oceanography Seattle, Washington 98105 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH 3. CRUISE NUMBERIS) USED BY ORIGINATOR TO IDENTIFY DATA WERE COLLECTED DATA IN THIS SHIPMENT Technical Report No. 113 BB284 Technical Report No. 114 TR1390 4. FLATFORM NAMEIS! 5. PLATEORM TYPES! S. PLATFORWAND OPERATOR 7. DATES (E.G., SUIP, BUOY, ETG.) NATIONALITY(IESI PLATFORM OPERATOR FROM 04/17/61 04/21/61 Brown Bear Ship 8. ARE DATA PROPRIETARY 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. X NO GENERAL AREA IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USET FEAT \_\_ 4614 TH 9. ARE DATA DECLARED NATIONAL PROGRAM IDNELS ILE., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNA-TIONAL EXCHANGED X NO CART SPECIET BELOW 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE-PHONE NUMBER LAND ADDRESS IF DTHER THAN IN ITEMALI Eugene E. Collias Clifford A Barnes 100" (40" 150" 180" 150" 140" 120" 100" 40" 60" 40" 107 - 26"

NOAA FORM 24-13

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-R265

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.

University of Washington Department of Oceanography Seattle, Washington 98105  EXPEDITION, PROJECT, OR PROGRAM DURING WHITDATA WERE COLLECTED  Technical Report No. 113 Technical Report No. 114	ICH		VBERIS) USED	BY ORIGINATO	• TO DENTIES
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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

	A. ORH	INATOR	IDENTIFICAT	ICN		
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U.S. CEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R265:

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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J.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION HOCKVILLE, MARYLAND 20852 FORM APPROVED O.M.B. No. 41-R2651

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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OAA FORM 24-13

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

FORM APPROVED O.M.B. No. 41-R265

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OAA FORM 24-13

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

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

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THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS.

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1. NAME AND ADDRESS OF	INSTITUTION, LABOR.	ATORY, O	RACTIVITYWIT	H WHICH SUBM	NITTED DATA A	RE ASSOCIATED
University of Washington Department of Ocean Seattle, Washington	nography		•			
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OAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20652 FORM APPROVED O.M.B. No. 41-R265

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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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THIS SECTION MUST BE COM	PLETED BY DONOR	FOR ALL	DATA TRANSMI	TTALS				
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IF YES, WHEN CAN THE FOR GENERAL USE!		GENERAL AREA						
9. ARE DATA DECLARED NA PROGRAM (DNP)?  (.2., SHOULD THEY BE IN DATA CENTERS HOLDING TIONAL EXCHANGE?)  [X]NO []YES [PAR]  10. PERSON TO WHOM INQUIR DATA SHOULD BE ACDRE PHONE NUMBER (AND ADITIONAL IN ITEM+I)  Eugene E. Collias Clifford A. Barnes	SED WITH TELE-	160° 120° 140 141 151 170 170 170 170 170 170 170 170 170 17	140 166 180 1L0 14	U" 170" 100" 80" 60	40° 20° 0° 21° 13° 13° 13° 13° 13° 13° 13° 13° 13° 1	40 60° 80° 100°    100°		
CITITOTA A. Daines		54		562 562 6° 120° 100° 80° 60	40° 20° 0° 20	40' 50° 60' 100°		