

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 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 <i>University of Washington Department of Oceanography Seattle, Washington 98105</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>Technical Report No. 113 Technical Report No. 114</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT. <i>DAB11 TR1396</i>	
4. PLATFORM NAME(S) <i>Hydah</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <i>U.S.</i>	7. DATES <i>10/15/60 10/16/60</i>
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 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) <i>Eugene E. Collias Clifford A. Barnes</i>			

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NOAA FORM 24-13
4-72

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4. <i>Hydah</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		<i>U.S.</i>	<i>U.S.</i>
		7. DATES	
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		<i>10/29/60</i>	<i>10/30/60</i>
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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DAA FORM 24-13
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4. PLATFORM NAME(S) <i>Hydah</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BOUY, ETC.) <i>Ship</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR <i>U.S. U.S.</i>	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR <i>11/12/60 11/13/60</i>
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? <i>3</i> 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
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Technical Report No. 113 Technical Report No. 114		DAG14 TR1399	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Hydah	Ship	U.S. U.S.	FROM: MO/DAY/YR TO: MO/DAY/YR 12/30/60 12/04/60
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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Eugene E. Collias Clifford A. Barnes			

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4. PLATFORM NAME(S) <i>Hydah</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>	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><i>U.S.</i></td> <td><i>U.S.</i></td> <td><i>12/10/60</i></td> <td><i>12/11/60</i></td> </tr> </tbody> </table>	PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>U.S.</i>	<i>U.S.</i>	<i>12/10/60</i>	<i>12/11/60</i>	7. DATES <i>12/10/60 12/11/60</i>
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
<i>U.S.</i>	<i>U.S.</i>	<i>12/10/60</i>	<i>12/11/60</i>								
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<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p><i>Technical Report No. 113 Technical Report No. 114</i></p>	<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT.</p> <p style="font-size: 1.5em; text-align: center;"><i>DAB17 TR1401</i></p>
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<p>4. PLATFORM NAME(S)</p> <p><i>Skiff</i></p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p><i>Ship</i></p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>PLATFORM</th> <th>OPERATOR</th> </tr> <tr> <td style="text-align: center;"><i>U.S.</i></td> <td style="text-align: center;"><i>U.S.</i></td> </tr> </table>	PLATFORM	OPERATOR	<i>U.S.</i>	<i>U.S.</i>	<p>7. DATES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>FROM: MO/DAY/YR</th> <th>TO: MO/DAY/YR</th> </tr> <tr> <td style="text-align: center;"><i>02/04/61</i></td> <td style="text-align: center;"><i>10/24/61</i></td> </tr> </table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	<i>02/04/61</i>	<i>10/24/61</i>
PLATFORM	OPERATOR										
<i>U.S.</i>	<i>U.S.</i>										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
<i>02/04/61</i>	<i>10/24/61</i>										

8. ARE DATA PROPRIETARY?

NO YES

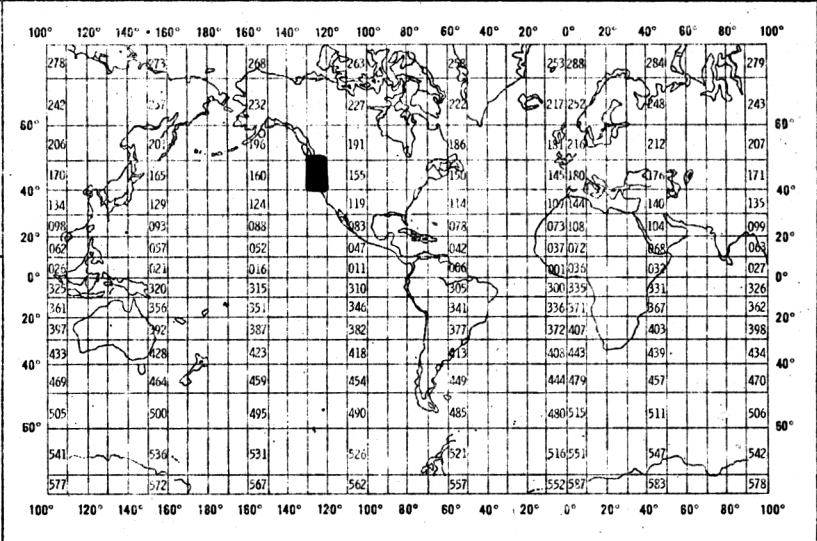
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____

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

.GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

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)

*Eugene E. Collias
Clifford A. Barnes*

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
Temperature	°Centigrade	"Determined by use of accepted Oceanographic procedures"		
Salinity	‰	" "		
Sigma-t		" "		
Oxygen	ML/L	" "		
Phosphate	Microgram-at/L	" "		

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

FILE HEADER RECORD - "1" in col. 10
 FIRST STATION HEADER RECORD - "2" in col. 10
 SECOND STATION HEADER RECORD - "3" in col. 10
 DATA RECORDS - "4" in col. 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

3. CONTRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____
 ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>Data on tape is in card image dcb = (recfm+fb,lrecl+80,blksize=3200) DSN = AC <u>680201</u> ,vol=ser=<u>007616</u></p> <p>9 Track tape; Standard Label.</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3200</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

11/11/11
 2
 nffff
 11

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

1/5

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>File Header Record</u>				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"1" (File Header Record)
Vessel	11	11	11A1	(left aligned)
Cruise	22	6	6A1	Originator's Cruise Identifier
Cruise Dates	28	17	5(I2,A1) I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; Ending Month, Day, Year
Senior Scientist	45	19	19A1	(left aligned)
Investigator	64	17	17A1	Responsible Institution (left aligned)

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

2 / 5

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>First Station Header Record</u>				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"2" (First Station Header Record)
Sequence	11	3	I2	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1	Station Identifier
Latitude	19	6	3I2	Degrees, Minutes, Seconds
Lathem	25	1	A1	Hemisphere "N" or "S"
Longitude	26	7	I3, 2I2	Degrees, Minutes, Seconds
onhem	33	1	A1	Hemisphere "W" or "E"
Time	34	3	I3	GMT in hour to tenths
Date	37	8	2(I2,A1), I2	XX/XX/XX Station Date; Month, Day, Year
Bottom	45	5	I5	Water Depth, meters to tenths
Navigation	50	2	I2	(See attached codes)
Method	52	1	I1	(See attached codes)
Blank	53	28	28X	Blank

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

3 / 5

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH <i>in bytes</i>		17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
		NUMBER			
<u>Second Station Header Record</u>					
File Type	1	3		A3	"004" (constant)
Track Number	4	6		6A1	NODC (in-house) Identifier
Record Type	10	1		A1	"3" (Second Station Header Record)
Sequence	11	3		I3	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5		5A1	Station Identifier
Barometer	19	3		I3	Pressure in millibars to tenths
Dry Bulb	22	4		I4	Air temperature; degrees Celsius to tenths
Wet Bulb	26	4		I4	Air temperature; degrees Celsius to tenths
Wind Direction	30	2		I2	WMO code 0877; tens of degrees
Wind Speed	32	2		I2	Knots
Sea Direction	34	2		I2	WMO code 0885; tens of degrees
Sea Height	36	1		A1	WMO code 1555
Swell Direction	37	2		I2	WMO code 0885
Swell Height	39	1		A1	WMO code 1555
Weather	40	1		I1	WMO code 4501
Cloud Type	41	1		A1	WMO code 0500
Cloud Cover	42	1		I1	WMO code 2700
Visibility	43	1		I1	WMO code 4300
Transparency	44	4		I4	Secchi Disk Depth; meters to tenths
Turbidity Code	48	1		I1	(See attached codes)
Blank	49	37		37X	Blank

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4 / 5

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>Data Record</u>				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"4" (Data Record)
Sequence	11	3	I3	Sequence of this record type within station. (Leading zeros or leading blanks,)
Station	14	5	5A1	Station Identifier
Depth	19	4	I4	Sample Depth; to tenths
Temperature	23	5	I5	Water Temp.; degrees Celsius to thousandths.
Salinity	28	5	I5	Salinity; parts per thousand to thousandths
Sigma-T	33	4	I4	Sigma-t to hundredths
Transmissivity	37	3	I3	Transmissivity; percent to tenths
pH	40	3	I3	pH to hundredths
eH	43	4	I4	eH to hundredths
Oxygen	47	4	I4	Dissolved; hundredths to ml./liter
Ammonia	51	3	I3	Tenths of microgram (ug)-atoms/liter
Nitrite	54	3	I3	Hundredths of ug-atoms/liter
Nitrate	57	4	I4	Hundredths of ug-atoms/liter
Silicate	61	4	I4	Hundredths of ug-atoms/liter
Phosphate	65	3	I3	Inorganic; hundredths of ug-atoms/liter
Solids	68	4	I4	Suspended solids in hundredths of mg./liter

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<u>Data Record (cont'd)</u>				
Turbidity	72	4	I4	Turbidity; in hundredths of mg./liter
Chlorophyll	76	5	I5	Chlorophyll; in hundredths of mg./meter ³