

DATA DOCUMENTATION FORM

7400843

NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, D. C. 20390

BL1893

L130

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.

74-005
DTPW

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

I. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED					
University of Hawaii Department of Oceanography 2525 Correa Road Honolulu, Hawaii 96822					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED All historical data dating back to March 27, 1929. Mostly IIOE data.			3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT Multi-Cruises		
4. PLATFORM NAME (S) Multi platforms	5. PLATFORM TYPE (S) (E.G., SHIP, BUOY, ETC.) Probably all ships	6. PLATFORM AND OPERATOR NATIONALITY (IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
		Multi	Multi	3/27/29	5/4/65
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 _____		II. 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 CENTER BUILDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (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. Klaus Wyrcki Telephone 944-8833					

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 S 510)	N/A (not applicable)
		STD Bissett-Berman model 900-6	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 '63

(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
Country Code	NODC Country Code			
Latitude	Degrees and minutes			
Hemisphere	North(N)or South(S)			
Longitude	Degrees & minutes (East understood)			
Ship Name	NODC Ship Code			
Date-Time	GMT-hours in tenths			
Sounding(Depth)	Meters			
Maximum sampling depth	Hundreds of meters			
Dry and Wet Bulb Temperatures	Tenths of °C			
Barometric pressure	(p-1000) in tenths of millibars			
Wind direction	Tens of degrees			
Wind speed	Knots			
Cloud type	WMO Code 0500			
Cloud Amount	WMO Code 2700			
Weather	If x-then WMO Code 4501 If 2 digits,WMO Code 4677			
Visibility	WMO Code 4300			

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
Wave direction	Tens of degrees by WMO Code 0885			
Wave height	WMO Code 1555			
Wave period	WMO Code 3155			
Sea State	WMO Code 3700			
Water Color	Forel-Ule Scale			
Transparency	meters			
Depth	meters			
Temperatures	.01°C			
Salinity	.001 ‰			
Dissolved Oxygen	.01 ml/L			
PO ₄ -P	.01 µg-at/L			
Total P	.01 µg-at/L			
NO ₂ -N	.01 µg-at/L			
NO ₃ -N	.1 µg-at/L			
Silicate	1. µg-at/L			
pH	.01 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.

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

One record consisting of 2254 characters

For convenience can be divided into three sections

1 - Station identification and data condition code - 63 char.

2 - Master card information - 79 char.

3 - Observed data area - 2112 char. with room for 48 depths.

(Since few records have this many depths, 9's [nines] are used to indicate missing values).

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" 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 type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input 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) UNIRAW IIIOE Tape No. 1 (8200 records)
8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES 2254
	13. LENGTH OF BYTES IN BITS 8

RECORD FORMAT DESCRIPTION

RECORD NAME Station identification and data condition codes

14. FIELD NAME	15. POSITION FROM MEASURED IN BYTES (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
IIOE record number	1	5		I5	
*Physical data condition (T,S)	6	1		I1/A1	T= Temperature S= Salinity, etc.
Chemical data condition (O ₂ , P, Tot P, N ₂ , N ₃ , Sil, pH)	7	1		"	
Temperature data cond.	8	1		"	
Salintiy "	" 9	1		"	
Dis.Oxyn. "	" 10	1		"	
Phosphate "	" 11	1		"	
Tot.Phosphorus"	" 12	1		"	
Nitrite "	" 13	1		"	
Nitrate "	" 14	1		"	
Silicate "	" 15	1		"	
pH "	" 16	1		"	
Number of samples (depths)	17	2		I2	
Deepest Sample	19	4		I4	
X plotter coordinate	23	5		I5	} For Benson Lehner Plotter
Y plotter coordinate	28	5		I5	
?	33	6		?	
Blank	39			25 X	
					* Data Condition Codes 1-Missing entirely. 2-Some values questionable. 3-Some values missing. 4-Combination of 2 and 3. <u>Blank</u> -No missing or questionable values.

RECORD FORMAT DESCRIPTION

RECORD NAME Master Card Information

14. FIELD NAME	15. POSITION FROM XXXX MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Country Code	64	2		I2	
Blank	66	1		1X	
Cruise Number	67	3		I3	
Blank	70	1		1X	
Station Number	71	4		I4	
Blank	75	1		1X	
Latitude	76	4		2I2	
Hemisphere	80	1		A1	
East Longitude	81	5		I3, I2	
Ship Name Code	86	2		A2	
Marsden Square	88	3		I3	
Year, Month, Day	91	6		3I2	
Time	97	3		I3	
Sounding	100	4		I4	
Maximum sampling depth	104	2		I2	
Air Temp., Dry	106	4		I4	
Air Temp., Wet	110	4		I4	
Barometric Pressure	114	3		I3	
Wind Direction	117	2		I2	
Wind Speed	119	2		I2	
Cloud Type, Amount	121	2		2A1	
Weather	123	2		A2	
Visibility	125	1		A1	
Wave Direction	126	2		A2	
Wave height & period or sea state	128	2		2A1	If sea state, byte 128 is blank.

RECORD FORMAT DESCRIPTION

RECORD NAME Master Card Information

14. FIELD NAME	15. POSITION FROM 133 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Water Color, Transparency	130	4		2A2	
Originator's Cr. and sta. no.	134	6		2A3	
Blanks	140	3		3X	
RECORD NAME	Observed Data Area				
Depth	143*	4		I4/F4.0	*and 187, 231, 275, 319, etc. every 44 characters
Temperature	147	5		F5.2	
Temperature check	152†	1		A1	†if values are questionable this and other check fields should contain a "Q".
Salinity	153	5		F5.3	
Salinity Check	158	1		A1	
Dissolved Oxygen	159	3		F3.2	
Dissolved Oxygen Check	162	1		A1	
PO ₄ -P	163	3		F3.2	
PO ₄ -P Check	166	1		A1	
Total P	167	3		F3.2	
Total P Check	170	1		A1	
NO ₂ -N	171	3		F3.2	
NO ₂ -N Check	174	1		A1	
NO ₃ -N	175	3		F3.1	
NO ₃ -N Check	178	1		A1	
Silicate	179	3		F3.0	
Silicate Check	182	1		A1	
pH	183	3		F3.2	
pH Check	186	1		A1	

Password:

accNo	fileA	refNo	proj	inst	ship	startDate	cruise	catId
7400843	L130	BL1893	0025	31R2	3199	1929/03/27	NULL	285631

(1 row affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
7400843	L130	BL1893	3199	0	0	Mar 27 1929	May 4 1965

(1 row affected)