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DATA DOCUMENTATION FORM

JAA 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			
Data Management Institute of Marine Science University of Alaska Fairbanks, Alaska 99701			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP		00LIMS	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
Moana Wave	Ship	USA USA	FROM: MO/DAY/YR TO: MO/DAY/YR 2/1/76 3/5/76
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 checked="" type="checkbox"/> NO <input 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)			
David L. Nebert (907) 479-7833 David Eberhardt (907) 479-7074			

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
Salinity	0.001°/oo	Model 9040 CTD S.R. 5319 (Main Instrument)	Description of basic processing attached	
Temperature	0.001°C	DSRT for field corrections (temperature)		
Depth	0.1m (1m = 1 db)	Beckman RS7-C for field corrections on salinity		



ORIGINATOR TAPE

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

THREE RECORD TYPES WITHIN FILE TYPE 22

DESIGNATED AS: "1" For Text Record (in 10th Byte position)
"2" For Master Record
"3" For Detail Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FILE 22, STD/CTD: 0 to 99,999 Text Records, Followed by
1 Master Record, Followed by
0 to 99,999 Detail Records
Repeats.

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

NOTE: All computations done with Fortran

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Cydney Hansen (907) 479-7836
ADDRESS Institute of Marine Science, University of Alaska, Fairbanks, AK 99701

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE BCD BINARY
 ASCII EBCDIC

6. NUMBER OF TRACKS (CHANNELS) SEVEN
 NINE

7. PARITY ODD
 EVEN

8. DENSITY 200 BPI 1600 BPI
 556 BPI
 800 BPI

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) 3/4 INCH
 0.5 - 0.6 Inch

10. END OF FILE MARK OCTAL 17
 Octal 23

Institute of Marine Science - University of Alaska - OCSEAP File Type 022;
STD Data; Originator Cruise No. MW001;
Stations 1-88

TAPE II ~~III~~
13φφφ

Internal Label:
GE 600 BTL GE PHX MW1-1
MW1-1 0001 76155 000IMS-FINAL

12. PHYSICAL BLOCK LENGTH IN BYTES
15 20 Word Records/Block

13. LENGTH OF BYTES IN BITS
6 Bits/BCD Character
6 Characters/Word

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TABLE 21

Present Weather

WMO Code 4501 for recording present weather

Code
figure

- 0 Clear (no cloud at any level)
- 1 Partly cloudy (scattered or broken)
- 2 Continuous layer(s) of cloud(s)
- 3 Sandstorm, duststorm, or blowing snow
- 4 Fog, thick dust or haze
- 5 Drizzle
- 6 Rain
- 7 Snow, or rain and snow mixed
- 8 Shower(s)
- 9 Thunderstorm(s)

TABLE 12

Sea State

WMO Code 3700 for Recording Sea State

Description	Height (†)		Code
	Feet*	Meters	
Calm-glassy	0	0	0
Calm-rippled	0 - 1/2	0 - 0.1	1
Smooth-wavelet	1/2 - 1 1/2	0.1 - 0.5	2
Slight	1 1/2 - 4	0.5 - 1.25	3
Moderate	4 - 8	1.25 - 2.5	4
Rough	8 - 13	2.5 - 4	5
Very rough	13 - 20	4 - 6	6
High	20 - 30	6 - 9	7
Very high	30 - 45	9 - 14	8
Phenomenal	> 45	> 14	9

(†) The average wave height as obtained from the larger well-formed waves of the wave system being observed.

* The exact bounding height is to be assigned for the lower code figure, e.g. a height of 4 meters is coded as 5.

TABLE 8

Direction

In tens of degrees from which waves and/or winds are coming

Code		Code	
00	Calm (no waves - no motion)	22	215° - 224°
01	5° - 14°	23	225° - 234°
02	15° - 24°	24	235° - 244°
03	25° - 34°	25	245° - 254°
04	35° - 44°	26	255° - 264°
05	45° - 54°	27	265° - 274°
06	55° - 64°	28	275° - 284°
07	65° - 74°	29	285° - 294°
08	75° - 84°	30	295° - 304°
09	85° - 94°	31	305° - 314°
10	95° - 104°	32	315° - 324°
11	105° - 114°	33	325° - 334°
12	115° - 124°	34	335° - 344°
13	125° - 134°	35	345° - 354°
14	135° - 144°	36	355° - 4°
15	145° - 154°		
16	155° - 164°	49	Waves confused, direction indeterminate (waves equal to or less than 4 3/4 metres)
17	165° - 174°		
18	175° - 184°		
19	185° - 194°		
20	195° - 204°		
21	205° - 214°	99	Waves confused, direction indeterminate (waves greater than 4 3/4 metres)
			Winds variable, or all directions or unknown

Table 8 is a combination of WMO Codes 0885 and 0877.

TABLE 25

Cloud Type (Genus)

WMO Code 0500 for recording cloud type (genus)

Code

0	Cirrus	Ci
1	Cirrocumulus	Cc
2	Cirrostratus	Cs
3	Alto cumulus	Ac
4	Altostratus	As
5	Nimbostratus	Ns
6	Stratocumulus	Sc
7	Stratus	St
8	Cumulus	Cu
9	Cumulonimbus	Cb
x	Cloud not visible owing to darkness, fog, duststorm, sandstorm, or other analogous phenomena	

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TABLE 27

Visibility

WMO Code 4300 for recording visibility at surface

Code

0	Less than 50 metres	(less than 55 yards)
1	50-200 metres	(approx. 55-220 yards)
2	200-500 metres	(approx. 220-550 yards)
3	500-1,000 metres	(approx. 550 yards-5/8 n.m.)
4	1- 2 km	(approx. 5/8-1 n.m.)
5	2- 4 km	(approx. 1- 2 n.m.)
6	4-10 km	(approx. 2- 6 n.m.)
7	10-20 km	(approx. 6-12 n.m.)
8	20-50 km	(approx. 12-30 n.m.)
9	50 km or more	(30 n.m. or more)

STD - Scan Condition Code

- 0 - Processed prior to code
- 1 - From raw data
- 2 - Linear interpolation
- 3 - Vertical extrapolation, i.e. if data start at 7 meters, the values from 7 meter depth are to be used at all depths listed above 7 meters
- 4.- Averaged
- 9 - Temperature, Salinity, and Sigma-t not given

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 (✓)	
Plessey 9040 S.R. 5319	February 1976		NRCC/NOIC	✓					(✓)
Beckman RS7-C	February 1976		NRCC/NOIC	✓					
<p><u>NOTE:</u> All STD or CTD units are field corrected by comparison with discrete samples to increase accuracy over standard laboratory calibration</p>									