

#296/9-29-87

ACCESSION NUMBER

8700311B<sup>u</sup>

DATA DOCUMENTATION FORM

A00581

NOAA FORM 24-13 (2-85)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20235

FORM APPROVED O.M.B. No. 0648-0024 EXPIRES 2/29/87

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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 Dept. of Oceanography WB-10 Seattle, Wa. 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  U.S. - PRC Cooperative Studies Program		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  Station M3 Station M4	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  instrumented tripod	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		U.S.	U.S. M3 6/4/80
			M4 8/4/81 8/27/81
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 type="checkbox"/> NO <input checked="" 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)  Dr. Richard Sternberg (206)543-0589			

JUNE 1980

EAST CHINA SEA EXPERIMENT

TIMES ARE MANILA TIMES

DATA HAVE BEEN ROTATED 180 FROM INST. COORD

THE DATA HAS BEEN CORRECTED FOR THE BIT SHIFTS ON TX, TEMP

AND DIRECTION

DATA FOR THE AANDARA CURRENT METER Z~100CM HAVE BEEN ADDED.

THE INSTANTANEOUS DIRECTION IS USED WITH THIS SPEED TO CALCULATE

U, V COMPONENTS. THERE IS NO HISTOGRAM DATA.

UNITS:

PRESSURE  
PRESSURE DIFFERENTIAL

UAVG

VAVG

SPEED

TEMPERATURE

TRANSMISSOMETER

INSTANTANEOUS DIRECTION (DIR)

AVERAGE DIRECTION (ADIR)

TOTAL

HISTOGRAM

EVENTS: P

M

W

E

5

PICTURE TAKEN

MEMORY CHECKSUM ERROR

WAVE PRESSURE SERIES TAKEN

TAPE CHECKSUM ERROR

25

1980

15

METERS OF WATER

METERS OF WATER

CENTIMETERS PER SECOND

CENTIMETERS PER SECOND

CENTIMETERS PER SECOND

DEGREES CENTIGRADE

% FULL SCALE X 10

DEGREES

DEGREES

ROTOR PULSES PER CYCLE

% OF TOTAL X 10

15:30

PRESSURE DIFFERENTIAL

0.091018 METERS OF H2O AT SEA LEVEL

CYCLE LENGTH

30 MIN.

CAMERA RATE

0 CYCLES BETWEEN PICTURES

FAST PRESSURE SAMPLE DELAY

4 CYCLES

PRESSURE SENSOR SERIAL NUMBER . NE.

4977

TRANSMISSOMETER UPPER LIMIT

5.00 VOLTS

BEARING

180.00 DEGREES

PAROSCIENTIFIC PRESSURE SENSOR CONSTANTS--

2871.4700 1448.6200 27.1375 9.8780 1.0000 0.0000

THE CALIBRATION CURVE IS

PRESSURE (MH20-ATMOS) = .70309\*(C(1)\*X - C(2)\*X\*\*2) - C(4)

WHERE X = 1. - C(3)\*(.128949E5/(P+262144))

COUNTS RECORDED

C(1) = 2871.47

C(2) = 1448.62

C(3) = 27.13749

C(4) = 9.878

Station M3

EAST CHINA SEA STUDIES, MOUTH OF THE YANGTSE, AUG 1981  
 TIMES ARE LOCAL SHANGHAI TIME  
 LONGITUDE 122 45 45 EAST  
 LATITUDE 31 16 15 NORTH  
 DEPLOYED AND RECOVERED BY STERNBERG AND JOHNSON  
 UNITS:

PRESSURE					METERS OF WATER
PRESSURE DIFFERENTIAL					METERS OF WATER
UAVG					CENTIMETERS PER SECOND
VAVG					CENTIMETERS PER SECOND
SPEED					CENTIMETERS PER SECOND
TEMPERATURE					DEGREES CENTIGRADE
TRANSMISSOMETER					% FULL SCALE X 10
INSTANTANEOUS DIRECTION (DIR)					DEGREES
AVERAGE DIRECTION (ADIR)					DEGREES
TOTAL					ROTOR PULSES PER CYCLE
HISTOGRAM					% OF TOTAL X 10
EVENTS: P	PICTURE TAKEN				
M	MEMORY CHECKSUM ERROR				
W	WAVE PRESSURE SERIES TAKEN				
E	TAPE CHECKSUM ERROR				
8	1	1981	13	0	0.1820 15

13:15  
 PRESSURE DIFFERENTIAL 0.182024 METERS OF H2O AT SEA LEVEL  
 CYCLE LENGTH 15 MIN.  
 CAMERA RATE 0 CYCLES BETWEEN PICTURES  
 FAST PRESSURE SAMPLE DELAY 8 CYCLES  
 PRESSURE SENSOR SERIAL NUMBER . NE. 4977  
 TRANSMISSOMETER UPPER LIMIT 5.00 VOLTS  
 BEARING 35.00 DEGREES

PAROSCIENTIFIC PRESSURE SENSOR CONSTANTS--  
 2871.4700 1448.6200 27.1375 9.8780 1.0000 0.0000  
 THE CALIBRATION CURVE IS  
 $PRESSURE(MH2O-ATMOS) = .70309 * (C(1) * X - C(2) * X ** 2) - C(4)$   
 WHERE  $X = 1. - C(3) * (.128849E5 / (P + 262144))$   
 P = COUNTS RECORDED  
 C(1) = 2871.47  
 C(2) = 1448.62  
 C(3) = 27.13749  
 C(4) = 9.878

Station M4