

Rec'd 10/26/76 from

ACCESSION
NUMBER

7601737

NSF/DOS
A031534-001

DATA DOCUMENTATION FORM

BL2542 L149
L01367 L149NOAA 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

DOF A: 4:09

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

Institute of Marine Science
University of Alaska
Fairbanks, Alaska 997012. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH
DATA WERE COLLECTEDLong Wave Measurement Project,
Middleton Island3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY
DATA IN THIS SHIPMENT

N/A

4. PLATFORM NAME(S)

N/A

5. PLATFORM TYPE(S)
(E.G., SHIP, BUOY, ETC.)

Pressure Gauge

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

N/A

7. DATES

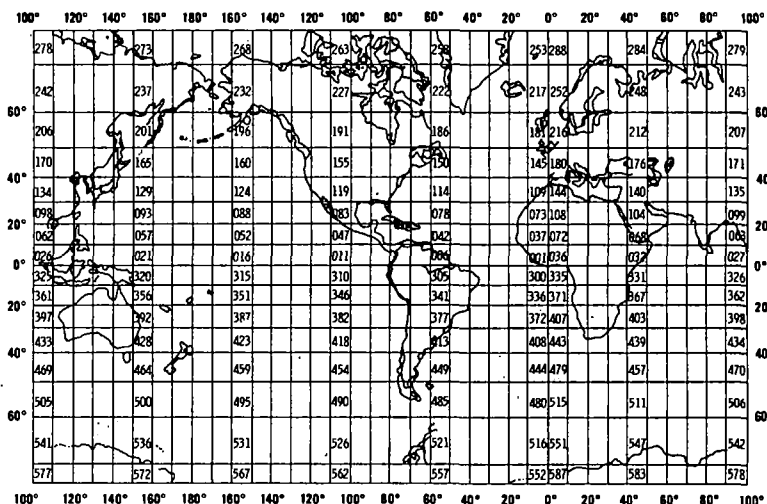
FROM: MO/DAY/YR TO: MO/DAY/YR

N/A

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF 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 INTERNA-
TIONAL EXCHANGE?)☒ NO ☐ YES ☐ PART (SPECIFY BELOW)10. PERSON TO WHOM INQUIRIES CONCERNING
DATA SHOULD BE ADDRESSED WITH TELE-
PHONE NUMBER (AND ADDRESS IF OTHER
THAN IN ITEM-1)

Thomas C. Royer

(907) 479-7835

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	7or	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	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 '65

(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
Bottom pressure, sampled at 70m every 4 sec. in 1973 in the Gulf of Alaska, near Middleton Island, at 59°27.3'N, 146°29.6'W.	Vibrotron period (nanosec)	B.J. Electronics Vibrotron Pressure Transducer, Model No. 120	N/A	Data were edited. A 90460 baseline period of 90460 was subtracted from the data.

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

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.

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File contains 31,272 records of time and pressure data as explained in 14-18.

The first 26,812 records are sequential measurements beginning at 303/02:40:51 in 1973.

The last 4,460 records begin at 248/02:17:27 in 1973

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Jo Roberts or Cydney Hansen; (907) 479-7830
ADDRESS Institute of Marine Science, University of Alaska, Fairbanks, AK

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 checked="" type="checkbox"/> <u>.5 - .6</u> INCH
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 checked="" type="checkbox"/> OCTAL 23
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<p>MIDDLETON ISLAND PRESSURE DATA, 1973</p> <p>(26,812) Records beginning at 303/02:40:51</p> <p>(4,460) " " " 248/02:17:27</p> <p>TIME, PRESSURE in 1618 FORMAT</p> <p>9TRK, 800 BPI, EBCDIC, Jo Roberts, IMS</p> <p>No LABEL, ODD PARITY U of A, Fairbanks, Ak. 99701</p>
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 128 BYTES/BLOCK	
13. LENGTH OF BYTES IN BITS 8 BITS/BYTE	

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
IARAY	1	128	BYTES	1618	<p>Where IARAY alternately contains Time & Pressure Data. (i.e., IARAY (1)=TIME, IARAY (2)=Pressure...)</p> <p><u>FORMATS:</u></p> <p>TIME= JDHHMMSS Only the last 2 digits of the Julian Day are given. The first 26,812 records, a first digit of 3 is assumed, and for the last 4,460 records a first digit of 2 is assumed.</p> <p>PRESSURE=Vibrotron period in nanoseconds, relative to a base-line period of 90460.</p>

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

RECORD FORMAT DESCRIPTION

RECORD NAME

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

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 (✓)	
B&J Electronics Model 120 Vibration Pressure Transducer	June 1973	X		Instrument was lost after December 1973.					

76-1737

UNIVERSITY OF ALASKA
INSTITUTE OF MARINE SCIENCE

Fairbanks, Ak. 99701

15 October 1976

Dr. Nelson C. Ross, Jr.
EDS/NODC Liaison Officer
P.O. Box 271
La Jolla, CA 92038

RE: Letter to you from Dr. T. Royer, dated 15 September 1976.

Dear Dr. Ross:

Enclosed are:

1. A magnetic tape containing pressure data recorded at Middleton Island under A0-31534-001.
2. A DDF for the tape.
3. An octal dump of the first 2 records on the tape.

I hope the tape and its documentation are satisfactory.

Sincerely,

Jo Roberts

Jo Roberts
Research Fellow

JR/gm

Enclosure

cc: T. C. Royer

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7601737	L149	BL2542	9999	31I7	32P8	1973/09/03	NULL	300875
7601737	L149	L01367	9999	31I7	32FS	1973/09/03	NULL	300876

(2 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7601737	L149	BL2542	32P8	31272	0	73/09/03	73/11/09
7601737	L149	L01367	32FS	1	0	73/09/03	73/11/09

(2 rows affected)