UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA AND INFORMATION SERVICE
Washington, D.C. 20235
Liaison Office
P. O. Box 271
La Jolla, California 92038

November 4, 1980 EDIS:NCR

TO: OA/D781

FROM: Nelson C. Ross, Jr.

SUBJECT: Data Transmission

Forwarded are the following in compliance with the NSF funded "Anomoly Dynamics Project (ADS)."

a. ADS Field Survey #1 - (Data Report)

b. ADS Field Survey #2 - (Data Report)

c. ADS Field Survey #3 - (Data Report)

d. Magnetic Tape - 9 track, 800 bpi, EBCDIC, Odd parity

e. DDF

At you earliest convenience please perform computer edit checks.

Please acknowledge receipt of tape and provide the submitter with the assigned NODC Reference Number for future referals or inquiry.

cc: w/o enclosures

Dr. Warren White, SIO
Dr. Robert Bernstein, SIO
Dr. Curtis Collins, NSF
OA/D75

Acc# 8100434
Ref# KK 31-85-89
WC 31 8590
TT 31 8591

ACCESSION NUMBER	81-00434

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

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. 41-R2651
EXPIRES 1-81

(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

SCRIPPS INSTITUTION OF OCEANOGRAPHY — NORPAX
UCSD
LA JOLLA CA 92093

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

ANOMALY DYNAMICS STUDY (ADS)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

~~ADS~~ ADS 1
ADS 2
ADS 3

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
R/V KANA KEOKI	32 KK	USA	USA	6/18/76	7/15/76
R/V WECOMA	32 WC			9/1/76	10/6/76
R/V THOMAS G. THOMPSON	31 TT			5/16/77	6/14/77

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

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)*

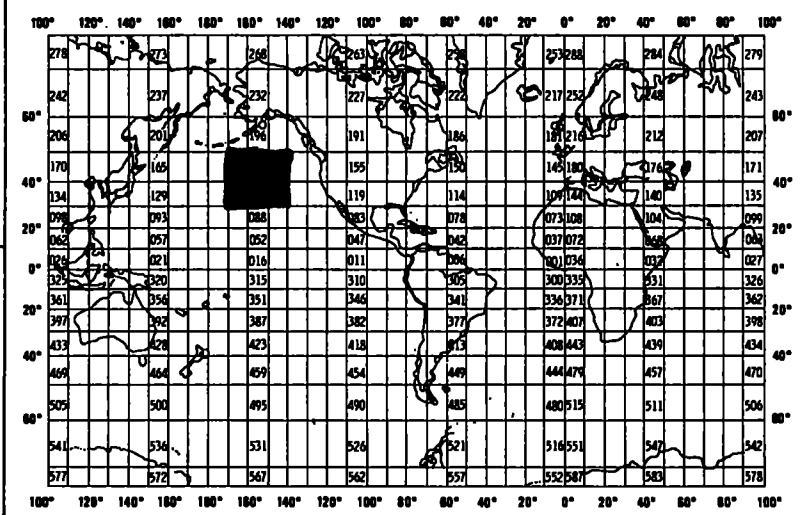
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

ROBERT WILLIAMS

(714) 452-4641

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

GENERAL AREA



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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 5510)	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

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

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER [redacted]
ADDRESS _____

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 ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

9-track -- EBCDIC -- 800 BPI

Each station -- one file ⟶ { ADS I - FILES 1 TO 54 ; ADS II - FILES 55 TO 133 ; ADS III - FILES 134 TO 211

First record each file (length = 110 chars.)

I10 CRUISE ID 61 = ADS1 - 54 STATIONS (FILES)

62 = ADS2 - 79 " "

63 = ADS3 - 78 " "

I10 STATION NUMBER

I10 CAST NUMBER

I10 UP/DOWN (1=UP, 2=DOWN)

I10 CONDUCTIVITY (1=YES, 0=NO)

I10 NO. STATIONS ON TAPE

3I10 DAY, MONTH, YEAR

F10.3 LATITUDE (+N, -S)

F10.3 LONGITUDE (+E, -W)

(9I10, 2F10.3)

Second and subsequent records

6 logical records/physical record

LEN=624 chars. with CONDUCTIVITY, 576 chars. without CONDUCTIVITY

13 F8.3 or 12 F8.3 NO CONDUCTIVITY

WORD 1 PRESSURE

2 DEPTH

* 3 CONDUCTIVITY

4 TEMPERATURE

5 POTENTIAL TEMPERATURE

6 SALINITY

7 SIGMA THETA

8 IN SITU DENSITY

9 SPECIFIC VOLUME ANOMALY

10 DYNAMIC HEIGHT

11 TRANSPORT

12 SOUND VELOCITY

13 STABILITY

* CONDUCTIVITY ONLY IF HEADER INDICATES. IF NOT PRESENT SHIFT ALL WORDS 4-13 TO 3-12

End of each station file EOF mark

End of data — additional EOF mark

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		

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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		

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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		

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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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)

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T-CD [ ] N.O.D.C. -- NAPIS RECORD

ACCESSION NO [8200434]

DATE RECEIVED: YR [80] MO [11] DAY [10]

PUB-NO [ ]

T-CD [ ] N.O.D.C. -- TRACK RECORD

ACCESSION NO [ ] REFERENCE NO [31 85-89] DNP (Y/N) [ ]

COUNTRY CODE [31] COUNTRY [ ]

INST. CODE [01]
[ ]

FILE-ALIAS [C101] FILE-NAME [ ]

PROJ-CODE [0078] PROJ-NAME [ ]

MEDIUM: CODE [09] TYPE [ ]

PLATFORM:
TYPE CODE [09] TYPE [ ]

PLAT CODE [32KK] NAME [ ]

CRUISE NO [ADS1] CRUISE-START [760618] CRUISE-END [760715]

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ ] QUADI [ ]

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

DATA TRACK: RU [ ] FILE-ID [ ] LEASE [ ]

I-CD [.] N.O.D.C. -- TRACK RECORD

ACCESSION NO [ ] REFERENCE NO [318590] DNP (Y/N) [

COUNTRY CODE [31] COUNTRY [

INST. CODE [01]
[

FILE-ALIAS [C101] FILE-NAME [

PROJ-CODE [0078] PROJ-NAME [

MEDIUM: CODE [09] TYPE [
PLATFORM:
TYPE CODE [09] TYPE [

PLAT CODE [32WC] NAME [

CRUISE NO [ADS2] CRUISE-START [760901] CRUISE-END [761001

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ ] QUADI [

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [

DATA TRACK: RU [ ] FILE-ID [ ] LEASE [

ACCESSION NO [ ] REFERENCE NO [318591] DNP (Y/N) [

COUNTRY CODE [31] COUNTRY [

INST. CODE [01]
[

FILE-ALIAS [C101] FILE-NAME [

PROJ-CODE [0078] PROJ-NAME [

MEDIUM: CODE [09] TYPE [
PLATFORM:
TYPE CODE [09] TYPE [

PLAT CODE [31TT] NAME [

CRUISE NO [ADS3] CRUISE-START [770516] CRUISE-END [770614

RCOUNT [ ] STATIONS-IN [ ] STATIONS-OUT [ ]

STATUS REJ [ ] SU [ ] SP [ ] QUADI [

DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [

DATA TRACK: RU [ ] FILE-ID [ ] LEASE [