

## DATA DOCUMENTATION FORM

85 NODC 071

NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

TT2520-TT2523 F144

(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 Science Applications International Corporation Division of Applied Environmental Sciences 476 Prospect St. La Jolla, CA 92038			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Georges Bank Monitoring Program Year III		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT M-9 thru M-12	
4. PLATFORM NAME(S) M-9 . . . <u>RV GYRE</u> M-10 . . . <u>RV OCEANUS</u> M-11 . . . <u>RV OCEANUS</u> M-12 . . . <u>RV GYRE</u>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR M-9 . . . US US M-10 . . . US US M-11 . . . US US M-12 . . . US US	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 7/12/83 7/20/83 8/12/83 11/19/83 2/1/84 2/7/84 6/9/84 6/9/84
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) James R. Payne (619) 456-6634			

## 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 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
Hydrocarbons in sediments and tissues	PPM (dry weight)	Van Veen grab sampler benthic sled	Perkin-Elmer UV/Fluorescence Spectrophotometer (MPF44-A)  Hewlett Packard Gas chromatograph (5840A)  Finnigan-Incos Gas chromatograph / Mass Spectrometer (4021)	N/A  N/A  N/A
Trace Metals in tissues	PPM (dry weight)	" "	Perkin-Elmer Atomic Absorption Spectrophotometer	N/A

## 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

Magnetic Tape Record and Printed File  
3 Tape Copies (labelled (A), (B), and (C))

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

NOOC File Type 144  
Toxic Substances and Pollutants - 4/1/82 version  
  
one file for each cruise (4 total) in the order:  
Cruise M-9, 22 blocks long; last block 80 characters  
Cruise M-10, 5 blocks long; last block 240 characters  
Cruise M-11, 6 blocks long; last block 0 characters  
Cruise M-12, 6 blocks long; last block 800 characters

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER James L. Lambach (619) 456-6306  
ADDRESS 476 Prospect St., La Jolla CA 92038

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK Hardware Detectable <input type="checkbox"/> OCTAL 17 (standard) <input type="checkbox"/> _____</p>
<p>7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <u>Georges Bank Monitoring Program (Year III)</u> <u>DATA TAPE TRANSMISSION</u> <u>Format: NOOC File Type 144</u> <u>Content: Hydrocarbons in Bottom Sediments,</u> <u>Hydrocarbons and Trace Metals in Benthic Fauna</u> <u>chief Scientist: James R. Payne</u> <u>copy (A), (B), or (C)</u></p>
<p>8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>1600 (80 char/record, 20 records/block)</u></p> <p>13. LENGTH OF BYTES IN BITS <u>8</u></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		
FORMATTED			AS SPECIFIED		IN NODC FILE
			TYPE 144		

# 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 NAME****AA FORM 24-18**

# 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 (✓)	
PE UV/Fluorescence scanning Spectrophotometer (MPE 44 -A)	9/84 (last use)	✓		with each use					
PE Atomic Absorption spectrophotometer (603)	daily	✓		daily					
HP GC 5840A FID Detector	"	✓		daily					
Finnigan - Inco GC/MS (4021)	"	✓		daily					

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8500047

- 1) File Type: F 144
- 2) Project Ident.: GEORGES BANK-OCS
- 3) Track Nos.: TT 2520-23

I. Error Corrections as reported to Principal Investigator:

<u>Error</u>	<u>Correction Completed (Check)</u>
NO '144' in BYTES 1-3	

II. Additional error corrections:

<u>Error</u>	<u>Correction Completed (Check)</u>
Two text records had E in col. 10. I replaced the "E" with a "T".	
Changed Ø depth interval to a blank throughout.	
Changed or deleted CAS codes.	

III. Processor Name: C. Seebach

ACCESSION/TRACK # 8500047

TT2520-23

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #	3/785	FM GRANK		4	1600	80	751
QUADI/SCAN TAPE #	3/12/85	IBM	WD9403	4	1600	80	751
ASSIGNED FOR PROCESS.							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							734
PRELIMINARY MULCHEK	7/5/85	PBT	SEL DATA FI44 TT 2520	1		80	734
FIRST USER TAPE #							
WORK DISK FILE	7/5/85			1			
FINAL USER TAPE #							
FINAL MULCHEK	7/8/85			1			
EDITED DISK FILE	7/8/85		MPD75 TT2520 FI44	1			
DATA SET "FINALIZED"	7/8/85	PBT	"	1		80	734

# TAPE ASSIGNMENT SHEET

ACCESSION NO 8500047

TRACK NO(s) TT2520-23

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	G BANK	N L	80	1600	FB	
Duplicate	W 9403	S L	80	1600	FB	*
Reformatted						
First User	SEL DATA F144 TT 2520	SL	80			734
Final User	MPD75. TT 2520 F144	SL	80			734
* LABEL = D NODC * 85N02071-01.						

85 NODC 071



Science Applications International Corporation

February 12, 1985

Mr. George Heimordinger  
Woods Hole Oceanographic Institute  
Woods Hole, MA 02543

Dear George:

Enclosed you will find a taped-copy and hard-copy of the data files from our Year III Georges Bank Monitoring Program results; Contract No. 14-12-0001-30001. The accompanying Data Documentation Form (NOAA Form 24-13) describes how the data was formatted, etc. If you have any questions regarding the content of the files, please contact Jim Payne or myself at (619) 456-6306.

Sincerely,

A handwritten signature in cursive script that reads "James L. Lambach". The ink is dark and the signature is fluid.

James L. Lambach  
Associate Chemist  
Applied Environmental Sciences Division  
Science Applications International Corporation

JLL/sb

Enclosure

## TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Ctr.  
3300 Whitehaven St., NW  
Washington, D.C. 20235

REFER TO

ATTENTION Dr. Tony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☒ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

The following FT-144 data sets are forwarded to NODC for processing and archiving:

R/V Gyre	cr. M-9	Jul 13 - 20 1983
R/V Oceanus	cr. M-10	Nov 13 - 19 1983
R/V Oceanus	cr. M-11	Feb 1 - 7 1984
R/V Gyre	cr. M-12	Jun 8 - 9 1984

These data were received from Dr. James Payne, Sciences Applications International Corp., La Jolla office. The data are part of the Georges Bank Monitoring Program funded by the Minerals Management Service of the Dept. of Interior. These data contain the results of analyses for trace metals and hydrocarbons in sediments and organism tissues for the third years sampling program.

a..One tape - 9tk, 1600 bpi, 80 blk 20, ASCII, multi-file  
b..DDF with sample dump of entire tape (one file per cruise)  
c..NAPIS form

cc: Jim Payne, SAI  
Tim Sullivan, MMS

8500047  
TT2520-23

85 NODC 071

FORWARDED BY (Signature)

George Heideringer

TITLE

NODC Liaison Officer

DATE FORWARDED

Mar. 7, 85

RECEIVED BY (Signature)

F. Mochel

TITLE

DATE RECEIVED

3-11-85



**Password:**

<b>accNo</b>	<b>fleA</b>	<b>refNo</b>	<b>proj</b>	<b>inst</b>	<b>ship</b>	<b>startDate</b>	<b>cruise</b>	<b>catId</b>
-----	-----	-----	-----	-----	-----	-----	-----	-----
8500047	F144	TT2520	0091	31X8	32GY	1983/07/14	M-9	151894
8500047	F144	TT2523	0091	31X8	32GY	1984/06/03	M-12	151897
8500047	F144	TT2521	0091	31X8	32OC	1983/11/14	M-10	151895
8500047	F144	TT2522	0091	31X8	32OC	1984/02/02	M-11	151896

**(4 rows affected)**

**Password:**

<b>accNo</b>	<b>fleA</b>	<b>refNo</b>	<b>ship</b>	<b>staCnt</b>	<b>recCnt</b>	<b>startDate</b>	<b>endDate</b>
-----	-----	-----	-----	-----	-----	-----	-----
8500047	F144	TT2520	32GY	11	421	83/07/14	83/07/20
8500047	F144	TT2523	32GY	8	110	84/06/03	84/06/07
8500047	F144	TT2521	32OC	6	83	83/11/14	83/11/18
8500047	F144	TT2522	32OC	8	120	84/02/02	84/02/05

**(4 rows affected)**