

#145

ACCESSION  
NUMBER

8600137

## DATA DOCUMENTATION FORM

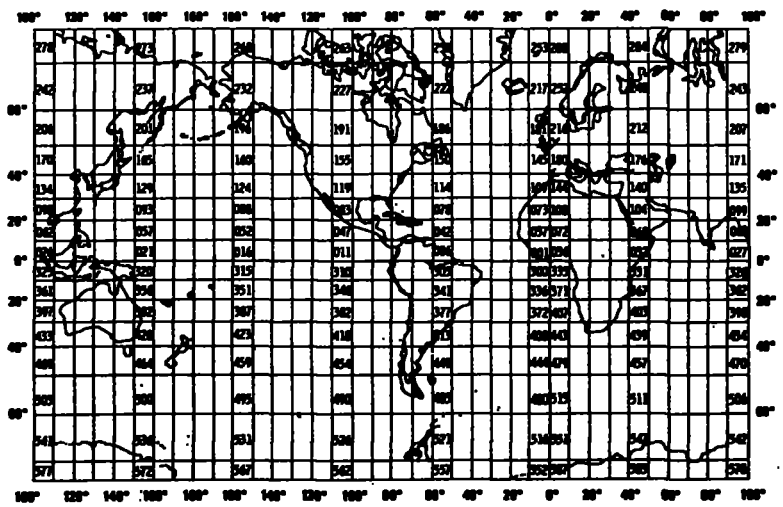
TT6296 F022  
329503 C022NOAA FORM 24-13  
(2-85)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 0648-0024  
EXPIRES 2/29/87

(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 <i>Dr. Brad Butman U.S. Geological Survey Woods Hole, MA 02543</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OCS Georges Bank</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>95</i>	
4. PLATFORM NAME(S) <i>R/V OCEANUS</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>SHIP</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR <i>OCEANUS USA</i>	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR <i>04/24/81 05/05/81</i>
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 checked="" type="checkbox"/> NO <input 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)  <i>MR. JOHN MOODY 617 548 8700</i>			

# 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
Pressure Temperature Salinity O <sub>2</sub>  LIGHT TRANSMISSION REPORTED AS ATTENUATION COEFFICIENT.	decibars deg C. PPT ml/L	<p><u>Light transmission</u></p> <p>The beam attenuation coefficient, ATN (in m<sup>-1</sup>) over a 100-cm path length, was computed from the measured transmissometer voltages (TR) using</p> $ATN = - \frac{1}{0.25} \ln \left( \frac{TR}{TR_{cw}} \right)$ <p>where TR<sub>cw</sub> is the voltage measured in clear water. TR<sub>cw</sub> can be determined as 0.95 times the measured voltage in air or in a laboratory tank (see Moody and others, for method). The transmission sensor (SN 46) was calibrated in the laboratory 8 months prior to the cruise and 10 months following the cruise, and air readings were made immediately before and after the cruise. Both sets of measurements gave TR<sub>cw</sub> values of 4.44 v.</p> <p>The computed beam attenuation coefficients when compared to values measured on a later cruise seemed anomalously high, suggesting a malfunction of the sensor. For example, the ATN ranged from 0.06 to 0.07 m<sup>-1</sup> at 400 m at stations 15 and 27, occupied on R/V OCEANUS cruise 140 (OC 140) (Butman and others, 1985). In contrast at two stations less than a few miles away occupied on OC 130 (stations 43 and 74), the ATN was about 0.70 m<sup>-1</sup>. It is difficult to accept these large attenuation coefficients because we expect suspended-matter concentrations at these depths on the slope to be relatively low and constant with time. In addition, measured suspended-matter concentrations in the slope water on both OC 130 and OC 140 were less than 0.10 mg/L.</p> <p>The high beam attenuation coefficients may have been caused by a shift in TR<sub>cw</sub>, a malfunction of the CTD digitizing unit, or a dirty transmissometer window. The beam attenuation coefficients are reported here with the caution that they may be high by as much as 0.5-0.7 m<sup>-1</sup>, and that this offset may not be constant for all casts. We suspect that these errors were caused by dirty transmissometer windows.</p>		

### 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

The first seven (7) records contain the basic sampling information followed by "n" data records (variable length files). The record type is identified by its position/order in the file. The first 7 records are self documenting in that each field has a readable label. See sample file dump in "RECORD FORMAT DESCRIPTION" section.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

This data set/tape contains the CTD casts from one cruise. The tape is multi-file with each station being a separate file. The first seven records of each file contains the basic sampling information for that station. The remaining records are data records. Each record is 40 char. long.

3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1    ☐ ALGOL    ☐ COBOL  
☐ FORTRAN    ☐ \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<b>5. RECORDING MODE</b> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
<b>6. NUMBER OF TRACKS (CHANNELS)</b> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<b>10. END OF FILE MARK</b> <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b> <p style="text-align: center;"><b>CTDØ18</b> CTD/LIGHT TRANSMISSION DATA, R/V OCEANUS 95, USGS - BRAD BUTMAN, OCS - GEORGE BANK</p>
<b>8. DENSITY</b> <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	<b>12. PHYSICAL BLOCK LENGTH IN BYTES</b> <p style="text-align: center;"><b>RECSIZE = 40    BLKSIZE = 4000</b></p> <b>13. LENGTH OF BYTES IN BITS</b> _____

# 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		
<b>DESCRIPTION 1ST</b>	<b>HEADER RECORD</b>				(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		5H	ALWAYS "SHIPØ" (Ø = blank)
SHIP CODE	7	2		A2	2 CHAR. SHIP CODE AT = ATLANTIS II, KN = KNORR OC = OCEANUS, ETC.
FIELD LABEL	9	7		7H	ALWAYS "ØCRUISØ"
CRUISE NUMBER	16	3		I3	CRUISE NO.
FIELD LABEL	19	6		6H	ALWAYS "ØSTAT:"
STATION NUMBER	25	4		I4	STATION NO.
BLANK	29	1			BLANK
FIELD LABEL	30	3		3H	ALWAYS "C#:"
CAST NUMBER	33	3		I3	CAST NO. USED FOR YO-YO STATIONS
BLANK	36	5			
	<b>TOTAL =</b>	<b>40</b>			
<b>DESCRIPTION 2ND</b>	<b>HEADER RECORD</b>				(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		H5	ALWAYS "DATEØ" (Ø = blank)
DATE:YEAR	7	2		I2	YEAR LAST TWO DIGITS
	9	1		H1	ALWAYS "-" FIELD SEPARATER
MONTH	10	2		I2	MONTH (1-12)
	12	1		H1	ALWAYS "-" FIELD SEPARATER
DAY	13	2		I2	DAY (1-31)
BLANK	15	2			BLANK
FIELD LABEL	17	6		H6	ALWAYS "TIME:Ø"
TIME	23	4		I4	TIME GMT 24 HR. CLOCK
TIME LABEL	27	2		H2	ALWAYS "ØZ" SYMBOL FOR GMT OR ZULU TIME
BLANK	29	1			BLANK
	<b>TOTAL =</b>	<b>40</b>			

# 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		
<b>DESCRIPTION 3RD</b>	<b>HEADER RECORD</b>				(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	4		4H	ALWAYS "LAT%" (% = blank)
LATITUDE:DEGREES	6	3		I3	DEGREES OF LATITUDE
					NEGATIVE FOR SOUTH
LATITUDE:MINUTES	9	6		F6.2	MINUTES OF LATITUDE TO HUNDREDTHS OF A MINUTE
FIELD LABEL	15	4		4H	ALWAYS "LNG%"
LONGITUDE:DEGREES	19	4		I4	DEGREES OF LONGITUDE
					NEGATIVE FOR WEST
LONGITUDE:MINUTES	23	6		F6.2	MINUTES OF LONGITUDE TO HUNDREDTHS OF A MINUTE
BLANK	29	12			BLANK
	TOTAL =	40			
<b>DESCRIPTION 4TH</b>	<b>HEADER RECORD</b>				(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	9			ALWAYS "MAX.%PRES=" (%=blank)
MAX.PRESSURE	11	6		F6.0	MAXIMUM PRESSURE REACHED BY THE CTD CAST, PRESSURE IN DECIBARS
FIELD LABEL	17	11		11H	ALWAYS "%DB%DEPTH="
DEPTH TO BOTTOM	28	6		F6.0	WATER DEPTH IN METERS
DEPTH LABEL	34	2		2H	ALWAYS "%M" M = Meters
BLANK	36	5			
	Total =	40			
<b>DESCRIPTION 5TH</b>	<b>HEADER RECORD</b>				(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		5H	ALWAYS "AVER%" (% = blank)
AVERAGING INTERVAL*	7	5		F5.1	ALL DATA REDUCED TO A COMMON REPORTING INTERVAL, IN DECIBARS
FIELD LABEL	12	6		6H	ALWAYS "%INST%"
INSTRUMENT NO.	18	4		I4	CTD INSTRUMENT NO.
FIELD LABEL	22	6		6H	ALWAYS "%RATE%"
SAMPLING RATE	28	6		F6.2	SAMPLING RATE IN HERTZ (SAMPLES/SECOND), TO HUNDREDTHS
UNITS LABEL	34	2			ALWAYS "HZ"
BLANK	36	5			
	Total =	40			
* A NEGATIVE VALUE IN THIS FIELD INDICATES AN UP TRACE/PROFILE					

# 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		
<u>DESCRIPTION 6TH HEADER RECORD</u>					
BLANK	1	1			BLANK
FIELD LABEL	2	4		H4	ALWAYS "OBS="
TOTAL DATA CYCLES	6	6		I6	TOTAL NUMBER OF DATA CYCLES THIS STATION
FIELD LABEL	12	4		H4	ALWAYS "FMT" MEANING FORMAT
FORTTRAN FORMAT	16				USED TO READ DATA RECORD SEE ATTACHED SAMPLE DUMP
BLANK	36				
	TOTAL =	40			
<u>DESCRIPTION 7TH HEADER RECORD</u>					
IF TAPE IS DUMPED, THIS RECORD PROVIDES COLUMN HEADING ON LISTING, CONTAINS NO STATION INFORMATION (see sample listing next page)					
<u>DESCRIPTION DATA RECORD</u>					
PRESSURE	1	7		F7.1	PRESSURE AS DECIBARS
TEMPERATURE	8	8		F8.4	TEMPERATURE AS DEGREES C
SALINITY	16	8		F8.4	SALINITY AS PARTS/THOUSAND
OXYGEN	24	6		F6.2	OXYGEN AS ML/L
QUALITY WORD	30	6		I6	QUALITY CONTROL CODE SEE FOLLOWING TEXT
BLANK LIGHT ATTENUATION COE.	36	5		F5.2	
	TOTAL =				
Quality word defined: If positive, the quality word contains the number of observation from the time-series data that went into the pressure bin. Negative quality words denote data which has been interpolated. The value of the negative number reflects which variable or variables have been modified, based on the variable location in the CTD data file: -1 for T, -2 for S, -4 for O2, -3 for T & S, -5 for T & O, -6 for S & O, -7 for T, S & O. A positive quality word can be used to infer time and lowering rate: lowering rate = sample rate * pressure interval/quality # time = start time(hr:min) + sample rate * summed quality (secs)					
NOTE: A field will be asterisk filled if the value in question exceeds the allocated field length. At this stage of processing this should not occur.					

# RECORD FORMAT DESCRIPTION

RECORD NAME

14. FIELD NAME	15. POSITION FROM-12 MEASURED (IN-12) (e.g., dba, bytes)	16. LENGTH NUMBER	17. ATTRIBUTES UNITS	18. USE AND MEANING

SHIP DC CRUIS 140 STAT: 023 C#:

DATE ~~83~~ 10 22 TIME: 0736 Z

LAT 40 19.4 LG -68 40.2

MAX. PRS- 98. 00 DEPTH- 101 M

AVER 2.0 INST 0038 RATE 31.25HZ

OBS- 49 FMT(F7.1, F8.4, F6.2, I6, F5.2)

PRES TEMP SALT OXYG OUAL EXTC

3.0 14.3828 33.2380 5.77 0 0.23

4.0 14.4048 33.2441 5.73 0 0.23

6.0 14.4043 33.2444 5.81 0 0.23

8.0 14.3971 33.2419 5.78 0 0.23

10.0 14.4021 33.2425 5.71 0 0.24

12.0 14.3969 33.2404 5.73 0 0.23

14.0 14.3946 33.2400 5.72 0 0.23

16.0 14.3950 33.2396 5.80 0 0.23

18.0 14.3881 33.2374 5.86 0 0.23

20.0 14.3867 33.2360 5.89 0 0.23

22.0 14.3880 33.2363 5.91 0 0.23

24.0 14.4019 33.2415 5.90 0 0.23

26.0 14.3756 33.2559 5.88 0 0.23

28.0 14.2719 33.3173 5.80 0 0.21

30.0 14.1124 33.2945 5.84 0 0.20

32.0 14.1004 33.2953 5.77 0 0.20

34.0 14.0904 33.2935 5.80 0 0.20

36.0 14.0453 33.2885 5.80 0 0.20

38.0 14.1024 33.3509 5.78 0 0.19

40.0 13.9846 33.3749 5.73 0 0.17

42.0 13.4409 33.3409 5.71 0 0.17

44.0 11.7240 32.9736 5.91 0 0.16

46.0 11.3350 32.9713 5.80 0 0.15

48.0 10.9679 32.9520 5.80 0 0.15

8600137

Corrections FD22 TT6296

- ① File ID cols 4-9 corrected to TT6296.
- ② Record '8 pressure field  
0 values removed



\*\*\*\*\* Record 12469 in INVENTORY \*\*\*\*\*

014698

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/21/86

REFERENCE NUMBER: TT6296

ACCESSION NUMBER: 8600137

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09

EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTD/STD

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31W4

PLATFORM (COUNTRY AND PLATFORM CODES): 320C

PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_

ORIGINATORS CRUISE ID: 95

CRUISE START DATE: 04/24/81

CRUISE END DATE: 05/05/81

Press PgDn

PROJECT CODE: 0091

DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 29 NUMBER OF RECORDS: 1,219

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREA

CODE 1: 23B

MEANING: NW Atlantic (limit-40 W)

CODE 2: \_\_\_\_\_

MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_

MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:   /  /

ACCESSION NO. 8600137FILETYPE F022TRACK NO. TT6296PROJECT  
IDENTIFICATION CS-GEORGES  
BANKC022 329543

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	<u>7/17/86</u>	<u>MRL</u>	<u>A00215CTD018</u>	<u>86</u> <u>29</u>	<u>40</u>	<u>4000</u>	
DUPLICATE TAPE	<u>7/21/86</u>	<u>MRL</u>	<u>W14593</u>	<u>86</u>	<u>40</u>	<u>4000</u>	
REFORMATTED TAPE							
REFORMATTED DISK	<u>11/18/86</u>	<u>RPS</u>	<u>DNODCXG BANKOUT</u>	<u>1</u>	<u>120</u>	<u>224</u>	<u>1219</u>
FIRST MULCHEK			<u>Deleted</u>				
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

NAME <b>MARY K. LEWIS</b>	PHONE # <b>634 7505</b>	ORG/TASK # <b>EG/200 8N3B39</b>	DATE SUBMITTED <b>7/17/86</b>	DATE DUE <b>ASAP</b>	BIN # <b>08</b>
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PERMITS TO BE USED AND FUNCTION TO BE PERFORMED

**T. PESCAN + COPY**

INPUT MEDIUM PER CARD DISK <u>TAPE</u> KETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
---	---

DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
<b>A0025</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>40</b>	<b>4000</b>	<b>29</b>
SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
<b>W14573</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>SL</b>	<b>FB</b>	<b>40</b>	<b>4000</b>	<b>29</b>
SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <b>DNODC*8600137-01</b>			PURGE DATE <b>204</b>

ADDITIONAL INSTRUCTIONS

**SEND TO ASHEVILLE**

ESTIMATED  
EXECUTION  
TIME

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEY VERIFIED
<b>07/21/86</b>	<b>10:56</b>	<b>11:10</b>	<b>C</b>	<b>Completed by Andy</b>

**29  
57**

ACCESSION NO [ ]

DATE RECEIVED: YR [ ] MO [ ] DAY [ ]

PUB-NO [ ]

F145

T-CD [ ]

N.O.D.C. — TRACK RECORD

ACCESSION NO **8600137** REFERENCE NO [ ] DNP (Y/N) [N]

COUNTRY CODE [31] COUNTRY [ ]

INST. CODE [W4]

[ U.S. DOI Geological Survey (Woods Hole, MA) ]

FILE-ALIAS [C148] FILE-NAME [ HIGH RESOLUTION CTD DATA ]

PROJ-CODE [0091] PROJ-NAME [ OCS GEORGES BANK ]

MEDIUM: CODE [9] VALUE [ magnetic tape digital ]

PLATFORM:

TYPE CODE [9] TYPE [ SNIP ]

PLAT CODE [320C] NAME [ R/V OCEANUS ]

CRUISE NO [ 95 ] CRUISE-START [ 810424 ] CRUISE-END [ 812405 ]

RCOUNT [ ] STATIONS-IN [ 29 ] STATIONS-OUT [ ]

STATUS RESUB [ ] SU [ ] SP [ ] QUADI [ ]  
D' S: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

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

T-CD [ ]

N.O.D.C. — TRACK RECORD

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

COUNTRY CODE [ ] COUNTRY [ ]

INST. CODE [ ]

[ ]

FILE-ALIAS [ ] FILE-NAME [ ]

PROJ-CODE [ ] PROJ-NAME [ ]

MEDIUM: CODE [ ] VALUE [ ]

PLATFORM:

TYPE CODE [ ] TYPE [ ]

PLAT CODE [ ] NAME [ ]

CRUISE NO [ ] CRUISE-START [ ] CRUISE-END [ ]

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

S. JS RESUB [ ] SU [ ] SP [ ] QUADI [ ]  
DATES: PROCESS [ ] DIP [ ] MFUPDT [ ] RETCOR [ ]

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

## 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  
MAILREGISTERED  
MAILAIR  
MAILCERTIFIED  
MAILGOVERNMENT  
TRUCK

BY HAND



OTHER

The following CTD/Light transmission data set is forwarded to NODC for processing and archiving:

R/V OCEANUS cr. 95

Apr. 24 - Mar 5, 1981 29 stations

These data were received from Dr. Brad Butman, U.S. Geological Survey - Woods Hole Laboratory and are to be considered part of the MMS funded OCS Georges Bank Project. These data have been formatted to an expanded version of the WHOI/NODC CTD exchange format and are reported at 2 decibar levels.

- a..Tape CTD/18, 9tk, 1600bpi, ASCII, Recsize=40, Blksize=4000
- b..Sample tape dump of the 2nd and last files
- c..Data Documentation form
- d..NAPIS form

cc: B. Butman, USGS

ACC 8600137

A00215

FORWARDED BY (Signature) George Heimerdinger	TITLE N.E. NODC Service Center Rep.	DATE FORWARDED Apr. 28, 86
RECEIVED BY (Signature) Francis J. Antetune	TITLE	DATE RECEIVED 5/1/86

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 CTD/Light transmission data set is forwarded to NODC for processing and archiving:

R/V OCEANUS cr. 95 Apr. 24 - Mar 5, 1981 29 stations

These data were received from Dr. Brad Butman, U.S. Geological Survey - Woods Hole Laboratory and are to be considered part of the MMS funded OCS Georges Bank Project. These data have been formatted to an expanded version of the WHOI/NODC CTD exchange format and are reported at 2 decibar levels.

- a..Tape CTD/18, 9tk, 1600bpi, ASCII, Recsize=40, Blksize=4000
- b..Sample tape dump of the 2nd and last files
- c..Data Documentation form
- d..NAPIS form

cc: B. Butman, USGS

ACC 8600137

FORWARDED BY (Signature) George Heimerdinger	TITLE N.E. NODC Service Center Rep.	DATE FORWARDED Apr. 28, 86
RECEIVED BY (Signature) Francis J. Antkowiak	TITLE	DATE RECEIVED 5/1/86

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8600137	C022	329503	0091	31W4	32OC	1981/04/24	TT6296	162170
8600137	F022	TT6296	0091	31W4	32OC	1981/04/24	95	162171

(2 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
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8600137	C022	329503	320C	29	38	81/04/24	81/05/05
8600137	F022	TT6296	320C	29	1219	81/04/24	81/05/05

(2 rows affected)



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  
MAILREGISTERED  
MAILAIR  
MAILCERTIFIED  
MAILGOVERNMENT  
TRUCK

BY HAND



OTHER

The following CTD/Light transmission data set is forwarded to NODC for processing and archiving:

R/V OCEANUS cr. 95

Apr. 24 - Mar 5, 1981 29 stations

These data were received from Dr. Brad Butman, U.S. Geological Survey - Woods Hole Laboratory and are to be considered part of the MMS funded OCS Georges Bank Project. These data have been formatted to an expanded version of the WHOI/NODC CTD exchange format and are reported at 2 decibar levels.

- a..Tape CTD/18, 9tk, 1600bpi, ASCII, Recsize=40, Blksize=4000
- b..Sample tape dump of the 2nd and last files
- c..Data Documentation form
- d..NAPIS form

cc: B. Butman, USGS

ACC 8600137

FORWARDED BY (Signature)

George Heizerdinger

TITLE

N.E. NODC Service Center Rep.

DATE FORWARDED

Apr. 28, 86

RECEIVED BY (Signature)

TITLE

DATE RECEIVED

5/1/86

NATIONAL OCEANOGRAPHIC DATA CENTER  
2001 WISCONSIN AVE. N.W.  
WASHINGTON, D.C. 20235

05/05/86

DR. BRAD BUTMAN  
US GEOLOGICAL SURVEY  
WOODS HOLE, MA 02543

We would like to acknowledge with thanks receipt of your recent submission to the National Oceanographic Data Center (NODC). On 05/01/86, we received the following:

ONE TAPE OF CTD/LIGHT TRANSMISSION DATA (OCEANUS CR. 95)..

Your shipment has been given the following unique NODC identification number: 8600137. Please use this number in future correspondence regarding this submission.

During the next years, we will continue to archive and distribute our regular data accessions. In addition to our normal processing, I would like to call your attention to NODC's participation in the Tropical Ocean and Global Atmosphere (TOGA) program. TOGA, a major study of the interannual variability of the oceans and atmosphere, is being conducted by the United States in cooperation with many countries of the world. The goal of TOGA is to increase our understanding of climate, and ultimately of climate prediction.

The NODC is aiding this important long-term experiment (1985-1995) by a concentrated effort to collect and archive subsurface temperature data from the tropics (20 degrees N to 20 degrees S). In turn, the NODC will make these data available to the TOGA scientific community.

Since you are a contributor to NODC, I would like to take this opportunity to solicit your support for this project. If you hold tropical subsurface temperature data, please send them to NODC in a timely manner. We hope to receive as much data as possible within a few months after observation. We will be pleased to help you with data processing, if appropriate.

Thank you again for your continued support.

Sincerely,

Gregory W. Withee  
Director