DATA DOCUMENTATION FORM

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

718093- TT8044 F027

(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

THIS SECTION MOST BE COMPLETED BY DORON FOR ALL DATA TRANSMITTALS								
1. NAME AND ADDRESS OF IN	STITUTION, LABOR	ATORY, O	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA A	RE ASSOCIATED		
Dr. Brad Butman U.S. Geological Survey Woods Hole Laboratory Woods Hole, MA 02543								
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		IBER(S) USED E	Y ORIGINATOR	TO IDENTIFY		
MiS Lydonia Canyon			R/V Ocea	nus Cruise	s 104 and 1	22		
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A		7. DA	TES		
· .			PLATFORM	OPERATOR	FROM: MOPAY/YR	TO: MO DAY YR		
R/V Oceanus	ship		Oceanus ""	USA	9/29/81 7/07/82	10/01/81 7/15/82		
8. ARE DATA PROPRIETARY X40 YES IF YES, WHEN CAN TH FOR GENERAL USE?	EY BE RELEASED		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA					
9. ARE DATA DECLARED NATERIORAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE?) XX NO YES PART 10. PERSON TO WHOM INQUIRI DATA SHOULD BE ADDRESS PHONE NUMBER (AND ADDITHAN IN ITEM-I) Mr. John Moody Phone (617) 548	100° 120° 1 778	237 232 232 232 233 233 233 233 233 233	120° 100° 60° 60° 60° 60° 60° 60° 60° 60° 60°	107 127	288			

B. SCIENTIFIC CONTENT

		5. 001E1111110 C		
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
Depth	as pressure in decibars	Neil Brown, Mark III CTD profiler		Butman, B., J. Moody, and S. Conley, 1986. Hydrograph of Lydonia Canyon, Data Repo
Temperature	deg. C.	11 11 11		for R/V Oceanus cruise 104,
Salinity	in practical salinity units	11 11 11		Sept. 25 - Oct. 2, 1981 U.S. Geological Survey, Open File Report 86-504
Oxygen	ml/1			
Light Trans- mission	as beam attenuat:	on cofficent		
	}			
		<u></u>		

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

	CONTAINED.IN THE TRANSMITTA ENTIFYING EACH RECORD TYPE	AL OF YOUR FILE
"n" data reco position/orde	rds (variable length filer in the firs a readable label. See	he basic sampling information followed by es). The record type is identified by its t 7 records are self documenting in that sample file dump in "RECORD FORMAT"
2. GIVE BRIEF DESCRIF	PTION OF FILE ORGANIZATION	
file with each file contains	station being a separate	sts from one cruise. The tape is multi- e file. The first seven records of each mation for that station. The remaining is 40 char. long.
[.	·	
	TT FORTRAN UTER SPECIALIST: PHONE NUMBER	ALGOLCOBOLLANGUAGE
ADDRESS _		
COMPLETE THIS S	BCD BINARY ASCII BECDIC	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
		10. END OF FILE MARK
6. NUMBER OF TRACKS (CHANNELS)	SEVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
	M NINE	ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) CTDØ25
7. PARITY	EVEN	CTD/Light Trans. Data, B. Butman, USGS. R/V Oceanus Cr. 104 and 122. Expanded version of the WHOI/NODC CTD exchange
8. DENSITY	200 BPI XX 1600 BPI	format recsize=40 bytes
	556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
	800 BP1	recsize=40 blksize=4000

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME

14. FIELD NAME	FROM-1	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN	NUMBER	UNITS		
DECORTON 1CM	(e.g., bite, bytee)	222			(311 6:0130 minht instified)
DESCRIPTION 1ST	· · · · · · · · · · · · · · · · · · ·	ORD			(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		5H	ALWAYS "SHIPL" (L = blank)
SHIP CODE	7	2	}	A2	2 CHAR. SHIP CODE
]	AT = ATLANTIS II, KN = KNORR
FIELD LABEL	9	7	·	7H	OC = OCEANUS, ETC. ALWAYS "KCRUISK"
CRUISE NUMBER	16	3		13	CRUISE NO.
FIELD LABEL	19	6		6н	ALWAYS "ESTAT:"
STATION NUMBER	25	4		14	STATION NO.
BLANK	29	1			BLANK
FIELD LABEL	30	3		3н	ALWAYS "C#:"
CAST NUMBER	33	3		13	CAST NO. USED FOR YO-YO STATIONS
BLANK	36	5			
	TOTAL =	40			
DESCRIPTION 2ND	HEADER REC	ORD			(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		н5	ALWAYS "DATEK" (K = blank)
DATE: YEAR	7	2		12	YEAR LAST TWO DIGITS
	9	1		H1	ALWAYS "-" FIELD SEPARATER
MONTH	10	2		12	MONTH (1-12)
	12	1		Hl	ALWAYS "-" FIELD SEPARATER
DAY	13	2		12	DAY (1-31)
BLANK	15	2		_	BLANK
FIELD LABEL	17	6		н6	ALWAYS "TIME:"
TIME	23	4		14	TIME GMT 24 HR. CLOCK
TIME LABEL	27	2		н2	ALWAYS "½Z" SYMBOL FOR GMT OR ZULU TIME
BLANK	29	12			BLANK
	TOTAL =	40			
				•	
		j			

14. FIELD NAME	15. POSITION FROM - 1	i	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN	NUMBER	UNITS		
DESCRIPTION 3RD		CORD			(All fields right justified)
BLANK	1	1		_	
FIELD LABEL	. 2	4		. 4н	BLANK ALWAYS "LATE" (E = blank)
LATITUDE: DEGREES	6	3		13	DEGREES OF LATITUDE
141111000.0000000	"	1		13	NEGATIVE FOR SOUTH
LATITUDE: MINUTES	9	6		F6.2	MINUTES OF LATITUDE TO HUNDREDTHS OF A MINUTE
FIELD LABEL	15	4		4н	ALWAYS "BLGB"
LONGITUDE: DEGREES		4		14	DEGREES OF LONGITUDE
2010210211201120	1	1 7		**	NEGATIVE FOR WEST
LONGITUDE: MINUTES	23	6		F6.2	MINUTES OF LONGITUDE TO
BLANK	29	12			HUNDREDTHS OF A MINUTE BLANK
	TOTAL =	40			
DESCRIPTION 4T	HEADER R	ECORD			(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
FIELD LABEL	17	11		1111	DECIBARS
DEPTH TO BOTTOM	28	6		11H	ALWAYS "MOBMMOEPTH="
DEPTH LABEL	34	2		F6.0	WATER DEPTH IN METERS
		_		2Н	ALWAYS "MM" M = Meters
BLANK	36	5			
	Total =	40			
DESCRIPTION 5TH	HEADER RE	CORD			(All fields right justified)
BLANK	1	1		•	BLANK
FIELD LABEL	2	5	İ	5н	ALWAYS "AVERW" (W = blank)
AVERAGING INTERVA	± * 7	5		F5.1	ALL DATA REDUCED TO A COMMON REPORTING INTERVAL, IN DECIBARS
FIELD LABEL	12	6		6н	ALWAYS "KINSTK"
INSTRUMENT NO.	18	4	Ì	14	CTD INSTRUMENT NO.
FIELD LABEL	22	6		6н	ALWAYS "BRATEB"
SAMPLING RATE	28 ⁻	6		F6.2	SAMPLING RATE IN HERTZ
	j			1	(SAMPLES/SECOND), TO HUNDREDTHS
UNITS LABEL	34	2	:	į	ALWAYS "HZ"
BLANK	36	5			
¥ A NEGATIVE	Total =	40 N T#	s Fie	ELB INDICATE	S AN UP TRACE/PROFILE
<u>-</u>					

14. FIELD NAME	15. POSITION FROM-1 MEASURED	1	GTH	17. ATTRIBUTES -	18. USE AND MEANING
	(e.4. bits, bytes)	NUMBER	UNITS		
DESCRIPTION 6TH	HEADER RE	CORD			
BLANK	. 1	1			BLANK
FIELD LABEL	2	4		н4	ALWAYS "OBS="
TOTAL DATA CYCLES	-	6		16	TOTAL NUMBER OF DATA CYCLES
					THIS STATION
FIELD LABEL	12	4		н4 .	ALWAYS "EFMT" MEANING FORMAT
FORTRAN FORMAT	16	[USED TO READ DATA RECORD SEE
] .				ATTACHED SAMPLE DUMP
BLANK	5 6	5			
	TOTAL =	40			
DESCRIPTION 7TH	HEADER RE	CORD			
TE TADE TO DIMERO	THITC DEC	DRD BB	DATUES	СОГЛИИ НЕУГЛИ	G ON LISTING, CONTAINS NO
STATION INFORMATI					
DIATION INCOMMIT	DI (SEC	34.7		7	
			1		
		ļ	1		
DESCRIPTION DAT	A RECORD]			
PRESSURE	1	7		F7.1	PRESSURE AS DECIBARS
TEMPERATURE	8	8		F8.4	TEMPERATURE AS DEGREES C
SALINITY	16	8	1	F8.4	SALINITY AS PARTS/THOUSAND
OXYGEN	24	6	l	F6.2	OXYGEN AS ML/L
QUALITY WORD	30	6		16.2	QUALITY CONTROL CODE SEE
Zordill more	30			_~	FOLLOWING TEXT
Light Trans.	36	5	[F5.2	Light beam attenuation coe-
	MODAT				efficient
	TOTAL =	40	-		
	1				
Quality word defi	hed: If p	psitiv	e, the	quality word	contains the number of observation
					bin. Negative quality words
denote data which	has been	interp	olated	. The value o	f the negative number reflects
					on the variable location in the
					for T & S, -5 for T & O, -6 for
S & O, $\stackrel{.}{-}$ 7 for T,S	& O. A p	ositiv	e qual	ity word can b	e used to infer time and lowering
rate: lowering r	ate = samp	le rat	e * pr	essure interva	l/quality #
time = sta	rt time(hr	:min)	⊦ samp	le rate * summ	ed quality (secs)
		-			
				:	· ·
NOTE: A field w	ll be ast	erisk i	illed	if the value	n question exceeds the
	field leng	1			cessing this should not
occur.	TOTA TOUR	***•		- P-	.
				:	
OAA FORM 24-13	1		'	•	

RECORD FORMAT DESCRIPTION

RECORD NAME (NAME OF THE PROPERTY OF THE PROPE	
	FROM-17 MEASURED NUMBER UNITS
	A., bitte, bytes)
٠-ـــا .	
(-	ZHIR OC CRUIS IVO CTUT
(SHIP OC CRUIS 140 STAT: 023 C#: DATE 83-10-22 TIME: 0736 Z LAT 40 19.4 LG -68 40.2
(.	MAX. PPS= 98. DEPTH= 101 M AVER 2.0 INST 0038 PATE 31.25H7
, .	PRES TEMP SALT DXYG QUAL EXTO
	4.0 14.4048 33.2444 5.81 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 10.9 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 14.3881 33.2374 5.86 9 0.23 20.0 14.3867 33.2360 5.89 0.0.23
_	24.0 14.4019 33.2415 5.90 0 0.23
. (26.0 14.3756, 33.2559 5.83 0 0.23 28.0 14.2719 33.3173 5.80 0 0.21
(_	30.0 14.1124 33.2945 5.54 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 10
_	40.0 13.9846 33.3749 5.73 0 0.17 42.0 13.4409 33.3409 5.71 0 0 17
C –	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 5-90 - 2-0-15
HOAA FORM 24-13-3	

INVENTORY Record found

Record 18636 on screen

167135 . DATA ENTRY INFORMATION SYSTEM (DATASET INVENTORY)

8700021

FJM

DATE OF ENTRY: 06/24/87

REFERENCE NUMBER: TT8094 ACCESSION NUMBER: 8700021

FUNMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

MEDIA-IN: O1 - Digital Magnetic Tape DINDB CODE 09

EXCHANGE (FORMAT): E071 - WHOI CTD Exchange

PROCESSING (FORMAT): FO22 - CTD/STD

* NOTE * If data is FO22, create an additional record for CO22.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31W4 PLATFORM (COUNTRY AND PLATFORM CODES): 320C

DINDB CODE 09 PLATFORM TYPE: 9 - Ship

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: 122 CRUISE START DATE: 07/07/82 CRUISE END DATE: 07/15/82 Press PgDm PROJECT CODE: DATA USE CODE (DUC): 3 to continue FRENTER FRVIEW FAEXIT FOFORM CLR FOFLD CLR F7DELETE F8MODIFY FREPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 66 NUMBER OF RECORDS: 1.593

If STA/REC counts are not appropriate then enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 0.191160

OCEAN AREA

CODE 1: 23B MEANING: NW Atlantic (limit-40 W)

CODE 2: MEANING:

CODE 3: MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY Record found

Record 18634 on screen

(DATASET INVENTORY)

167133 DATA ENTRY INFORMATION SYSTEM FJM

DATE OF ENTRY: 06/24/87

REFERENCE NUMBER: TT8093 ACCESSION NUMBER: 8700021

FUMMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

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

EXCHANGE (FORMAT): E071 - WHOI CTD Exchange

PROCESSING (FORMAT): FO22 - CTD/STD

* NOTE * If data is FO22, create an additional record for CO22.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31W4 PLATFORM (COUNTRY AND PLATFORM CODES): 320C PLATFORM TYPE: 9 - Ship DINDB CODE 03

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: 104 CRUISE START DATE: 09/29/81 CRUISE END DATE: 10/01/81 Press PgDw DATA USE CODE (DUC): 3 PROJECT CODE: to continue

FRENTER FRVIEW FAEXIT FOFORM CLR FOFLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 34 NUMBER OF RECORDS: 791

If STA/REC counts are not appropriate them enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 0.094920

OCEAN AREA

CODE 1: 238 MEANING: NW Atlantic (limit-40 W)

CODE 2: MEANING: MEANING: CODE 3:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

~	n		C	.,		0.
	17	11		ĸ	N	91
	1	7	•			v

P ROJECT .	
IDENTIFICATION_	

STEP	DATE	INIT.	TAPE OR . DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/3/87	MRL	ADD 397/CTDD 25	100	40	4000	.•
DUPLICATE TAPE	1/14/87	MRL	W02970	100	40	4000	
REFORMATTED TAPE	11	ma APS	OCEANOUT.	\$		Ö	384
REFORMATTED DISK -						, .	
FIRST MULCHEK							
FINÁL MULCHEK	**************************************						
MPD75 OR F022		and the second of the second o				and descriptions of the second se	
DATA SET FINALIZED					2 (10 mm - 10		

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

CDATA FOX2TT8093

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

National Oceanographic ata Ctr. 1825 Connecticut Ave., NW Washington, D.C. 20235			tr. REF	ATTENTION Dr. Tony Picciolo						
			ATT							
THE ITEM(S) LISTE	D BELOW WERE FORW	ARDED TO YO	OU BY		·					
EXPORDINARY MAIL	REGISTERED MAIL	AIR MAIL	CERTIFIED	GOVERNMENT TRUCK	BY HAND	OTHER				

The enclosed reel of magnetic tape (CTDØ25) contains the CTD/Light trans. data for the following cruises.

Files: 1-66 R/V Oceanus Cr. 122 Jul 7 - 14 1982 66 stations 67-100 " " Cr. 104 Sep 29- Oct. 1, 1981 34 stations

These data were released by Dr. Brad Butman, U.S. Geological Survey — Woods Hole Lab., and are part of the Minerals Management Service funded research in the area of the Lydonia Canyon (New England Continental Margin). These data have been formated to an expanded version of the WHOI/NODC CTD exchange format. The format has been simply expanded by 5 bytes to accommodate the parameter of light transmission.

- a..Tape CTDØ25 (9track, 1600 bpi, ASCII, recsize=40, blksize=400, 100 files)
- b..Sample dump of selected stations

c..DDF

8700021

nΙ

A00397

cc: 3. Butman, J. Moody

Approx. 9,000 records

FORWARDED AY (Signature)	TITLE	 DATE F	ORWA	RDED
orge heimerlinger	NODC Northeast Service Center B	i		86
Wildell	TITLE	DATE RI	ECEIV	8
NOAA FORM 24-5 (8-73)				

420/12-11.86

	J. 87000	1
ACCESSIO:	J. 0 /0000	Z

FILETYPE COZZ TRACK NO.

IDE.

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/13/87	mRL	A00397 /CTD025	100	40	4000	
DUPLICATE TAPE	1/14/81	MRL	400397 /CTD025	100	40	4	
REFORMATTED TAPE	11/101						
REFORMATTED DISK	,	RPS	DNODC X-OCEANOUT	1	120	224	2384
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022			and the same of th		, , , , , , , , , , , , , , , , , , ,		
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: * DNOBC * 87000 21-01

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

National Oceanographic ata Ctr. 1825 Connecticut Ave., NW					REFER TO				
Washington, D.C. 20235				ATTENTION Dr. Tony Picciolo					
THE ITEM(S) LISTE	D BELOW WERE FORW REGISTERED MAIL	ARDED TO YOU AIR MAIL	CERTIF	IED	GOVERNMENT	BY HAND	OTHER		

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- a..Tape CTD/25 (9track, 1600 bpi, ASCII, recsize=40, blksize= 4000, 100 files)
- b..Sample dump of selected stations

c..DDF

00021

cc: B. Butman, J. Moody

Approx. 9,000 records

(//		
FORWARDED A Signature	TITLE	DATE FORWARDED
rge Heimerninger	NODC Northeast Service Center Rep.	Dec. 8, 86
NED BY (SACIO)		DATE RECEIVED
S. Millell		15-11-27

"DAA FORM 24-5 (8-73)

420/12-11-86

DATA DOCUMENTATION FORM

A00397

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.

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THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

	LETED BY DONOR	FOR ALL I	DATA IKANJMI	IIALS					
1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED									
Dr. Brad Butman U.S. Geological Survey Woods Hole Laboratory Woods Hole, MA 02543									
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		ABER(S) USED E	Y ORIGINATOR	TO IDENTIFY			
MwiS Lydonia Canyon		ı	R/V Ocea	nus Cruise	s 104 and 1	22			
		!							
4. PLATFORM NAME(S)	5. PLATFORM TYPI (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT	ND OPERATOR	7. DA	TES			
	, , , , , , , , , , , , , , , , , , , ,		PLATFORM	OPERATOR	FROM: MODAY,YE	TO: MO/DAY/YR			
R/V Oceanus	ship		Oceanus ""	USA 11	9/29/81 7/07/82	10/01/81 7/15/82			
8. ARE DATA PROPRIETARY			SE DARKEN ALL						
XMO TYES		CONT	AINED IN YOUR	20RMI22ION MI	SKE COLLECTI	- D.			
IF YES, WHEN CAN THE FOR GENERAL USE?			<i>*</i> ~	GENERAL AR	EA				
9. ARE DATA DECLARED NAT PROGRAM (DNP)? (I.E., SHOULD THEY BE INDEX DATA CENTERS HOLDINGS TIONAL EXCHANGE?) XX NO YES PART 10. PERSON TO WHOM INQUIRITY DATA SHOULD BE ADDRESS PHONE NUMBER (AND ADD THAN IN ITEM-I) Mr. John Moody Phone (617) 548 8	CLUDED IN WORLD FOR INTERNA- (SPECIFY BELOW) ES CONCERNING SED WITH TELE- RESS IF OTHER	200 200 200 200 200 200 200 200 200 200	200 160 160 160 160 160 160 160 160 160 1	270 265 277 272 272 273 273 273 273 273 273 273	107/122 1073 108 1037 1072 300 1072 300 1072 300 1072 300 1071 372 407 372 407 488 443 444 479 480 5 13	274 279 279 279 279 279 279 279 279 279 279			
		541. 577. 186° 128° 1	536 533 567 567 168° 168° 168°	500 550 500 550 120- 100- 60- 60-	516551 . 552587 46° 26° 8° 26° 4	563 578 578 578			

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED	ANALYTICAL METHODS (INCLUDING MODIFICATIONS)	DATA PROCESSING TECHNIQUES WITH FILTERING
·		(SPECIFY TYPE AND MODEL)	AND LABORATORY PROCEDURES	AND AVERAGING
Depth	as pressure in decibars	Neil Brown, Mark III CTD profiler		Butman, B., J. Moody, and S. Conley, 1986. Hydrograph of Lydonia Canyon, Data Repo
Temperature	deg. C.	n n		for R/V Oceanus cruise 104,
Salinity	in practical salinity units	11 11 11	·	Sept. 25 - Oct. 2, 1981 U.S. Geological Survey, Open File Report 86-504
Oxygen	ml/l		, , , , , , , , , , , , , , , , , , ,	
<pre>light Trans- mission</pre>	as beam attenuat:	ion cofficent	1 -:-	·
				·
		!		
NOAA FORM 24-13				DC 44249-017

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES			L OF YOUR FILE
"n" data reco	ords (variabler in the files a readable	e length file	he basic sampling information followed by es). The record type is identified by its to records are self documenting in that sample file dump in "RECORD FORMAT"
2. GIVE BRIEF DESCRIF	PTION OF FILE O	PRGANIZATION	
file with each file contains	station bein the basic san	ng a separate mpling inform	sts from one cruise. The tape is multi- e file. The first seven records of each mation for that station. The remaining is 40 char. long.
}		<u> </u>	
	UTER SPECIALIS	FORTRAN T:	ALGOL COBOL LANGUAGE
COMPLETE THIS S	SECTION 15 DATA	A ARE ON MAGNET	TIC TARE
5. RECORDING MODE	BCD EXX ASCII	BINARY BECDIC	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK C OCTAL 17
6. NUMBER OF TRACKS	SEVEN	_ _	••. 🗆
(ONAMEES)	MINE.		11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) CTD(25
7. PARITY	TEN:		CTD/Light Trans. Data, B. Butman, USGS.
B. DENSITY	EVEN	-	R/V Oceanus Cr. 104 and 122. Expanded version of the WHOI/NODC CTD exchange format recsize=40 bytes
	200 BPI XX	1600 BPI	10111110 10001110 40 00000
	556 BPI		12. PHYSICAL BLOCK LENGTH IN BYTES
	800 BPI		recsize=40 blksize=4000
			13. LENGTH OF BYTES IN BITS
NOAA FORM 24-13			

14. FIELD NAME	FROM-1			17. ATTRIBUTES	18. USE AND MEANING		
	(e.4., bite, bytee)	NUMBÉR	UNITS		·		
DESCRIPTION 1ST	HEADER REG	ORD			(All fields right justified)		
BLANK	1	1		ł	BLANK		
FIELD LABEL	2	5		5ห	ALWAYS "SHIPB" (B = blank)		
SHIP CODE	7	2		A2	2 CHAR. SHIP CODE		
]				AT = ATLANTIS II, KN = KNORR		
	[OC = OCEANUS, ETC.		
FIELD LABEL	9	7		7H	ALWAYS "KCRUISK"		
CRUISE NUMBER	16	3		13	CRUISE NO.		
FIELD LABEL	19	6		6н	ALWAYS "ESTAT:"		
STATION NUMBER	25	4		14	STATION NO.		
BLANK	29	1			BLANK		
FIELD LABEL	30	3		3н	ALWAYS "C#:"		
CAST NUMBER	33	3		13	CAST NO. USED FOR YO-YO STATION		
BLANK	36	5					
	TOTAL =	40					
DESCRIPTION 2ND	HEADER REC	ORD			(All fields right justified)		
BLANK	1	1			BLANK		
FIELD LABEL	2	5		н5	ALWAYS "DATEN" (N = blank)		
DATE: YEAR	7	2		12	YEAR LAST TWO DIGITS		
	9	1	j	н1	ALWAYS "-" FIELD SEPARATER		
MONTH	10	2		12	MONTH (1-12)		
	12	1	1	н1	ALWAYS "-" FIELD SEPARATER		
DAY	13	2		12	DAY (1-31)		
BLANK	15	2	-		BLANK		
FIELD LABEL	17	6]	н6	ALWAYS "TIME:"		
TIME	23	4	į	14	TIME GMT 24 HR. CLOCK		
TIME LABEL	27	2	ļ	н2	ALWAYS "WZ" SYMBOL FOR		
	}	ŀ	1		GMT OR ZULU TIME		
BLANK	29	12			BLANK		
	TOTAL =	40					
		Ì					
		1	1	* -			
			1	}			
			ļ				
	1						
	ļ		-	}			

14. FIELD NAME	115. POSITION	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN	·	·		
	(a.e., bits, bytes)	NUMBER	UNITS		
DESCRIPTION 3RD	HEADER RE	CORD			(All fields right justified)
BLANK.	1	1 1			BLANK
FIELD LABEL	. 2	4		. 4 H	ALWAYS "LATE" (E = blank)
LATITUDE: DEGREES	6	3		13	DEGREES OF LATITUDE
1	1				NEGATIVE FOR SOUTH
LATITUDE: MINUTES	9	6		F6.2	MINUTES OF LATITUDE TO HUNDREDTHS OF A MINUTE
FIELD LABEL	15	4		4H	ALWAYS "KLGK"
LONGITUDE: DEGREES	19	4		14	DEGREES OF LONGITUDE
	1				NEGATIVE FOR WEST
LONGITUDE: MINUTES	23	6		F6.2	MINUTES OF LONGITUDE TO HUNDREDTHS OF A MINUTE
BLANK	29	12			BLANK
	TOTAL =	40		•	
		·			
DESCRIPTION 4T	H HEADER R	ECORD			(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	9			ALWAYS "MAX. PRES=" (P=blank)
MAX.PRESSURE	11	6		F6.0	MAXIMUM PRESSURE REACHED BY THE CTD CAST, PRESSURE IN DECIBARS
FIELD LABEL	17	11		11H	ALWAYS "MOBMMOEPTH="
DEPTH TO BOTTOM	28	6		F6.0	WATER DEPTH IN METERS
DEPTH LABEL	34	2		2H	ALWAYS "MM" M = Meters
BLANK	36	5			·
	Total =	40			
DESCRIPTION 5TH	HEADER RE	CORD			(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5	ļ	5ห	ALWAYS "AVERW" (W = blank)
AVERAGING INTERVA	∵* .7	5		F5.1 -	
FIELD LABEL	12	6		6н	REPORTING INTERVAL, IN DECIBARS ALWAYS "KINSTK"
INSTRUMENT NO.	18	4	j	14	CTD INSTRUMENT NO.
FIELD LABEL	22	6		6н	ALWAYS "BRATEB"
SAMPLING RATE	28 ⁻	6		F6.2	SAMPLING RATE IN HERTZ
)			(SAMPLES/SECOND), TO HUNDREDTHS
UNITS LABEL	34	2			ALWAYS "HZ"
BLANK	36 , _	5			
* A NEGATIVE	Total =	40 1N T#	s Fie	LD INDICATE	S AN UP TRACE / PROFILE

14. FIELD NAME	15. POSITION FROM-1 MEASURED		GTH	17. ATTRIBUTES -	18. USE AND MEANING
	(e.4. bits, bytes)	NUMBER	UNITS		
DESCRIPTION 6TH	HEADER RE	CORD			
BLANK	· 1	1			BLANK
FIELD LABEL	2	4		н4	ALWAYS "OBS="
TOTAL DATA CYCLES	6	6		16	TOTAL NUMBER OF DATA CYCLES
				}	THIS STATION
FIELD LABEL	12	4		Н4	ALWAYS "WFMT" MEANING FORMAT
FORTRAN FORMAT	16				USED TO READ DATA RECORD SEE
)				ATTACHED SAMPLE DUMP
BLANK	3 6 "	5			
	TOTAL =	40			
DESCRIPTION 7TH	HEADER RE	CORD			
IF TAPE IS DUMPED	, THIS REC	ORD PR	OVIDES	COLUMN HEADTN	G ON_LISTING, CONTAINS NO
STATION INFORMATI	on (see	SAMA	ال عا	STIMA NEXT F	age)
į	'			3 , 1	3 -
]			
		Í			
DESCRIPTION DAT	A RECORD	1			
PRESSURE	1	7		F7.1	PRESSURE AS DECIBARS
TEMPERATURE	8	g l		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		16	QUALITY CONTROL CODE SEE
· ·		_			FOLLOWING TEXT
Hight Trans.	36	5	1	F5.2	Light beam attenuation coe-
		1	ŀ		efficient
	TOTAL =	40			
	İ	Ī			
	1	ļ			
		1.	- 1.		
Quality word defin	ned: If p	sitive	, the	quality word	contains the number of observation
from the time-seri	les data th	at wen	t int	the pressure	bin. Negative quality words
ubichi-bla	nas been h	nterpp	lated.	The value of	f the negative number reflects
CTD tare data file	variables	nave p	een mk	dified, based	on the variable location in the
S & O =7 for T C	=1 for h	, -2 E	or S,	-4 for $02, -3$	for T & S, -5 for T & O, -6 for
rate: lowering ra	to = campl	SICIVE	quain	ty word can be	e used to infer time and lowering
rate: lowering rations = star	t time/by	e race	, bre	ssure interval	ed quality (secs)
czine Scar	c cine(iii)		Sampi	e race - summe	ed quality (secs)
	ł			1	
İ	į		- 1	1	
MOTE A CALLE	,, ,	[
			illed	if the value	n question exceeds the
	ield lengtl	h.	at thi	s stage of pro	cessing this should not
occur.	1	- 1	- 1	į	1
		1]	ł	
	_	. <u>.</u> l.			
DAA FORM 24-13					

RECORD FORMAT DESCRIPTION

CORD NAME	TIS. POSITION 16. LENGTH, TO THE TAIL OF T
	(e.f., bits, bytos)
(
	SHIP OC CRUIS 140 STAT: 023 C#:
(- DATE 83 10-22 TIME: 0736 Z LAT 40 19.4 LG -68 40.2
	- MAX. PPS- 98. D8 DEPTH- 191 4-
(AVER 2.0 INST 0038 PATE 31.25HZ
•	PRES TEMP SALT CXYG QUAL EXTC
	3.0 14.3828 33.2380 5.77 n c.23
(4.0 14.4048 33.2441 5.73 0 0.23
	0.0 14.4043 33.2444 5.81
(8.0 14.3971 33.2419 5.78 0 0.23
	12.0 14.3969 33.2404 5.73 0 0.23
,	- 14.0 14.3946 33.2400 5.72 0 0.73
(16.0 14.3950 33.2396 5.80 0 0.23
(- 22.0 14.3080 33.2363 5.91 0 0.23
	24.0 14.4019 33.2415 5.90 0 0.23
(26.0 14.375633.2559 5.88 0 0.23
	28.0 14.2719 33:3173 5.80 0 0:21
	30.0 14.1124 33.2945 5.54 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 5.73 0 0.19
	40.0 13.9846 33.3749 5.73 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 10 296 70 22 0520 5 84 0 0 0 15
e'as	
l ĕ	
1 SOUTHWEST AND PROPERTY.	

78094

829514

MONITOR: CONTACT

SIMPRON

LOCATION OF FO22 SOURCE ARCHIVES (TT8094)

RECORD ALL ERRORS FOUND

CONSEC(S).

0019

ERRORS FOUND

DELETE DEPTH TO.

BOTTOM CHANGE STATION 17ME TO Ø17

Record found INVENTORY

Record 18635 on screen 167134

DATA ENTRY INFORMATION SYSTEM (DATASET INVENTORY)

FJM

DATE OF ENTRY: 06/24/87

REFERENCE NUMBER: 329513 ACCESSION NUMBER: 8700021

FUMMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

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

EXCHANGE (FORMAT): E001 - Low Resolution STD

PROCESSING (FORMAT): CO22 - Low Resolution STD (SD2 Format)

* NOTE * If data is FO22, create an additional record for CO22.

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: TT8093 CRUISE START DATE: 09/29/81 CRUISE END DATE: 10/01/81 Press PgDw PROJECT CODE: DATA USE CODE (DUC): 3 to continue

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 34 NUMBER OF RECORDS: 791

If STA/REC counts are not appropriate them enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 0.034920

OCEAN AREA

CODE 1: 23B MEANING: NW Atlantic (limit-40 W)

CODE 2: MEANING: CODE 3: MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY Record found

Record 18637 on screen 167136 . DATA ENTRY INFORMATION SYSTEM

(DATASET INVENTORY)

FJM

DATE OF ENTRY: 06/24/87

REFERENCE NUMBER: 329514 ACCESSION NUMBER: 8700021

FURMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

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

EXCHANGE (FORMAT): E001 - Low Resolution STD

PROCESSING (FORMAT): CO22 - Low Resolution STD (SD2 Format)

* NOTE * If data is FO22, create an additional record for CO22.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31W4 PLATFORM (COUNTRY AND PLATFORM CODES): 320C

PLATFORM TYPE: 9 - Ship DINDB CODE 03

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: TT8094

CRUISE START DATE: 07/07/82 CRUISE END DATE: 07/15/82 Press PgDm PROJECT CODE: DATA USE CODE (DUC): 3

to continue F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 66 NUMBER OF RECORDS: 1,593

If STA/REC counts are not appropriate then enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 0.191160

OCEAN AREA

CODE 1: 23B MEANING: NW Atlantic (limit-40 W)

CODE 2: MEANING: CODE 3: MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

FRENTER FRVIEW FAEXIT FRORM CLR FOFLD CLR FROELETE FRMODIFY FREPORT FLOMULTI

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8700021	C022	329513	9999	31W4		1981/09/29		166984
8700021	C022	329514	9999	31W4		1982/07/07		166985
8700021	F022	TT8093	9999	31W4		1981/09/29		166986
8700021	F022	TT8094	9999	31W4	320C	1982/07/07	122	166987

(4 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8700021	C022	329513	320C	34	39	81/09/29	81/10/01
8700021	C022	329514	320C	66	74		82/07/15
8700021	F022	TT8093	320C	34	791		81/10/01
8700021	F022	TT8094	320C	66	1593	82/07/07	82/07/15

(4 rows affected)

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

			•	_	• •	,,						
TO:	National Oceanographic ata Ctr. 1825 Connecticut Ave., NW Washington, D.C. 20235					ATTENTION Dr. Tony Picciolo						
THE IT	EM(S) LISTE	D BELOW WERE FORW	ARDED TO YO	OU BY								
KXX.	ORDINARY MAIL	RÉGISTERED MAIL	AIR MAIL	CERTIF	FIED	GOVERNME TRUCK	ENT [BY HAND	OTHER			

The enclosed reel of magnetic tape (CTDØ25) contains the CTD/Light trans. data for the following cruises.

Files: 1-66 R/V Oceanus Cr. 122 Jul 7 - 14 1982 66 stations 67-100 " " Cr. 104 Sep 29- Oct. 1, 1981 34 stations

These data were released by Dr. Brad Butman, U.S. Geological Survey - Woods Hole Lab., and are part of the Minerals Management Service funded research in the area of the Lydonia Canyon (New England Continental Margin). These data have been formated to an expanded version of the WHOI/NODC CTD exchange format. The format has been simply expanded by 5 bytes to accommodate the parameter of light transmission.

- a..Tape CTDØ25 (9trask, 1600 bpi, ASCII, recsize=40, blksize=4000, 100 files)
- b..Sample dump of selected stations

c..DDF

8700021

A00397

cc: 2. Butman, J. Moody

Approx. 9,000 records

()/								
FORWARDED AY (Signature)	TITLE					DATE F	ORWA	RDED
George Heimerdinger	NODC	Northeast	Service	Center	Rep.	Dec.	8	86
RESEIVED BY (Sanday)	TITLE					DATE RE	CEIV	/ED
s. Miduell	Ĺ					12-	-715	77

NOAA FORM 24-5 (8-73)

420/12. 11 8%