	82NODC 190	ACCESSION NUMBER	9100711

DATA DOCUMENTATION FORM

TV4672 F022

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

31991 1: C022

(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

NATIONAL MARINE FISHERIES SERVICE
P.O. BOX 271
LA JOLLA, CALIF. 92038

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

ALBACORE OCEANOGRAPHY

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

CROMWELL CRUISE 65
STD

4. PLATFORM NAME(S)

R/V TOWNSEND CROMWELL

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

SHIP

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
U.S.	U.S.

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
6/20/75	7/3/75

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?)

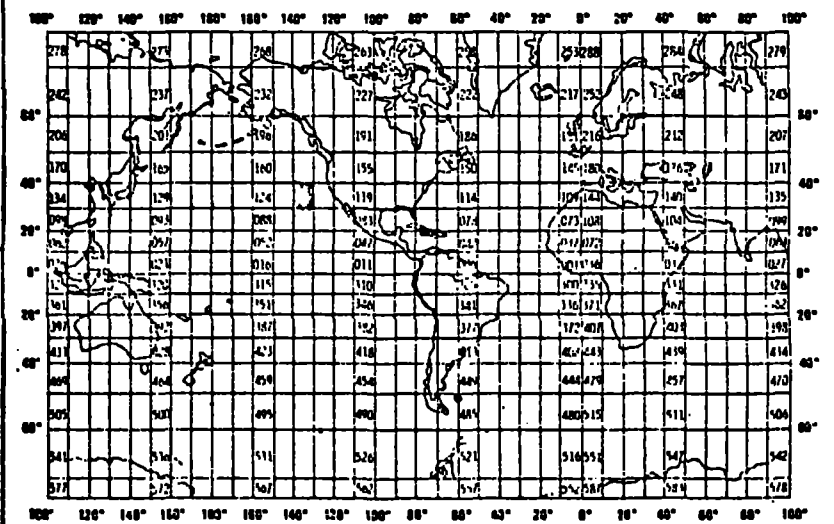
☐ NO ☑ YES ☐ PART *(SPECIFY BELOW)*

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

KEN BLISS
NMFS
(714) 453-2820

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

GENERAL AREA



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
DEPTH	meters	STD PLESSEY model 9006	N/A	SEE ATTACHMENT
TEMPERATURE	°C	"	"	"
SALINITY	‰	"	"	"

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C. DATA FORMAT

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

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

UNLABELED TAPE
63 FILES, EACH FILE IS AN STD CAST
TWO END-OF-FILE MARKS FOLLOWING LAST CAST.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FIRST RECORD — HEADER INFORMATION
SECOND RECORD ↓ LAST RECORD > DEPTH, TEMP., SAL., AT 1 METER INTERVALS.
VARIABLE NUMBER OF RECORDS/FILE

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER KEN BLISS (714) 453-2820
ADDRESS P.O. Box 271 LA JOLLA, CA. 92038

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)*

NATIONAL MARINE FISHERIES
CRUISE 65 STD
TOWNSEND CROMWELL 1975

12. PHYSICAL BLOCK LENGTH IN BYTES
4680

13. LENGTH OF BYTES IN BITS
8

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RECORD FORMAT DESCRIPTION

RECORD NAME _____

FIELD NAME	15. POSITION FROM-1 MEASURED IN WORDS (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CRUISE	1	2	CHAR.	I2	HEADER INFORMATION
STATION	2	3		I3	
MONTH	3	2		I2	
DAY	4	2		I2	
YEAR	5	2		I2	
TIME (local)	6	4		I4	
LATITUDE	7	6		I6	deg. min. tenths of minute
LONGITUDE	8	6		I6	
NO. LEVELS	9	4		I4	
DEPTH	10	4		I4	Field Repeated "NO. LEVELS" times. 60 fields/record
TEMP.	11	4		I4	
SALINITY	12	5		I5	

TEMP. & SAL. HAVE AN implied decimal 2 & 3 places respectively To the Left of the least significant digit.

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Notes on quality of STD (Salinity/Temperature/versus Depth) casts from R/V Townsend Cromwell Cruise No. 65, 19 June - 4 July 1975.

Number of STD casts: 63
Number of Niskin Rosette Casts: 63

These STD casts are judged by the scientific project leader to be of modest quality. Considerable effort was directed toward processing and calibration.

Measurements were made with a Plessey Model 9006 STD system. The STD sensor unit was lowered about 30 m/minute through the surface layer and thermocline and about 60 m/minute below that. Data was recorded on a Leeds and Northrup X-Y_1-Y_2 analog chart recorder. (The digital data logger failed to record.) Each analog chart was manually digitized with points chosen so as to effectively reproduce the traces including all significant inflections and inversions. Each digitized cast was replotted by computer along with vertical traces of sigma-t. These new plots were reviewed for consistency. Where inversions in density or other errors were found the process was repeated.

Calibration standards were determined from Niskin rosette casts. On all STD casts, one to four (usually three) command-sampler rosette bottles with thermometers were used for this purpose. Salinities were determined using a laboratory inductive salinometer. Reversing thermometers were calibrated and maintained by Scripps Institution of Oceanography.

Differences between water sample temperatures and salinities and the STD traces were calculated to determine calibration corrections.

Temperature did not need any correction. Salinity corrections varied station-to-station and after small modifications to emphasize the trend and eliminate apparent errors, they were individually applied. A new salinity head was installed after station 29. The overall range of salinity correction are:

Stations 1- 29

.02 to .11 ppt	at surface
.05 to .08	at 500 meters
.04 to .10	at 1000 meters

Stations 30 - 63

.00 to .04 ppt	at surface
-.03 to .02	at 500 meters
-.02 to .03	at 1000 meters

Questions on these data may be directed to Ronald Lynn or Ken Bliss, Southwest Fisheries Center, P.O. Box 271, La Jolla, California 92038. Tele: (714) 453-2820 or FTS: 893-6820.

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 (√)	(√)
Plessey 9006	1975		?				✓		

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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

June 23, 1981 EDIS:NCR

TO: OA/D781

FROM: Nelson C. Ross, Jr.

SUBJECT: Data Submission

Forwarded are

(1) Magnetic tape

(1) DDF

The tape contains "STD" (65 casts) from the Cromwell cruise 65, June 20, 1975 to July 3, 1975.

Please provide submitter with information necessary for future referrals: in addition, any problems encountered regarding further processing should be addressed as soon as possible.

cc: Ken Bliss, NMFS
OA/D7512

Unique No.: 192097 Date of Entry: 05/03/90

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY - DINDB)

Accession No.: 8100711 Reference No.: TV4672
Former Accession No.: Former Reference No.: (Resub ONLY)

Media-In (DINDB): 09 - Digital Magnetic Tape

Exchange Format: E018 - STD/CTD (F022)

Processing Format: F022 - CTD/STD

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

Country/Institute Code: 31A2 Country/Platform Code: 31TC

Platform Type (DINDB): 09 - Ship Orig. Cruise ID: 65

Cruise Start Date: 06/20/75 Project Code:

Cruise End Date: 07/03/75 Data Use Code (DUC): 3

Number of Stations: 63 Number of Records: 12,457

If stations/records not appropriate then:

Number: Units:

Ocean Area:

Code 1: Meaning:
Code 2: Meaning:
Code 3: Meaning:

DINDB Transaction Date:

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8100711/[redacted]

TV4672

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	Nov. 10, 1982	JG	NMF65	63	4680	60	
QUADI/SCAN TAPE	Nov. 10, 1982	JG	W12535	63	4680	60	
ASSIGNED ~~FOR PROCESS.~~ CONVERTED DAMUS TAPE	5-2-90	RRS	W03607 1		12000	120	12,457
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

TAPE LABEL FOR W03607 IS:

$NODC *CROMWELLOUT.

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

CESSION/TRACK NO.: 8100711 / TR 7680

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	NMF65	NL	60	4680	F		
DUPLICATE	W12535	NL	60	4680	F		
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8100711	F022	TV4672	9999	31A2	31TC	1975/06/20	65	315356
8100711	C022	319911	9999	31A2	31TC	1975/06/20	TV4672	315357

(2 rows affected)

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Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8100711 F022 TV4672 31TC 63     12457  75/06/20   75/07/03
 8100711 C022 319911 31TC 63     125    75/06/20   75/07/03

(2 rows affected)
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