	ACCESSION NUMBER	72-0385

DDF B: 3:13

DATA DOCUMENTATION FORM

TR1458

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

U. S. Coast and Geodetic Survey

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

NAVOCEANO Harbor Defense Study in association with Cornell Univ.

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

TR 1458

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
Bowen	Barge	U.S.	U.S.	01/10/51	11/14/51

8. ARE DATA PROPRIETARY?

[X] 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?)

[X] 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)

Unknown

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

GENERAL AREA

		ACCESSION NUMBER	72-0385

DATA DOCUMENTATION FORM

$TRI459^2$

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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U. S. Coast and Geodetic Survey

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

NAVOCEANO Harbor Defense Study in association with Cornell Univ.

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

TR1459

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
Bowen	Barge	U.S.	U.S.	05/07/52	05/28/52

8. ARE DATA PROPRIETARY?

XX 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?)

XX 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)

Unknown

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

GENERAL AREA

	ACCESSION NUMBER	72-0385

DATA DOCUMENTATION FORM

TR1460

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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U. S. Coast and Geodetic Survey

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

NAVOCEANO Harbor Defense Study in association with Cornell Univ.

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

TR1460

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
Stirni	Barge	U.S.	U.S.	02/07/52	03/20/52

8. ARE DATA PROPRIETARY?

XX NO ☐ YES

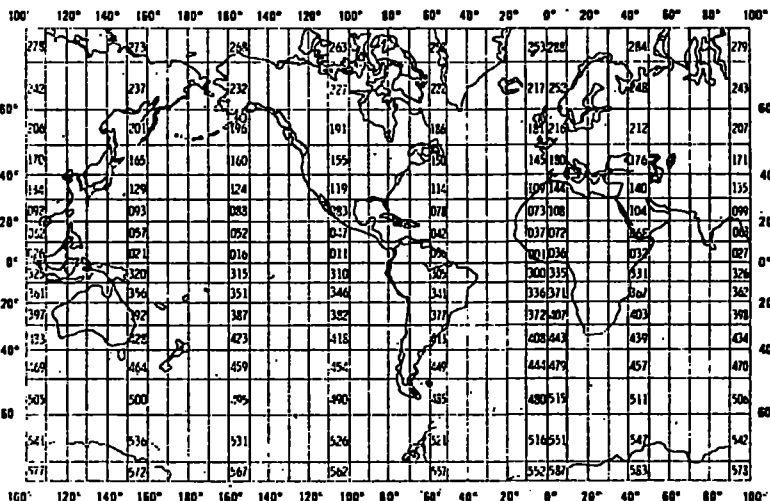IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

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)

Unknown

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

GENERAL AREA

	ACCESSION NUMBER	72-0385

DATA DOCUMENTATION FORM

TR1461

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

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

U. S. Coast and Geodetic Survey

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

NAVOCEANO Harbor Defense Study in association with Cornell Univ.

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

A

TR1461

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
Nelson	Barge	U.S.	U.S.	11/05/51	06/14/52

8. ARE DATA PROPRIETARY?

[X] 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?)

[X] 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)

Unknown

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

GENERAL AREA

DATA DOCUMENTATION FORM

TR1462

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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U. S. Coast and Geodetic Survey

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NAVOCEANO Harbor Defense Study in association with Cornell Univ.

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

B

TR1462

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
Nelson	Barge	U.S.	U.S.	07/30/52	10/25/52

8. ARE DATA PROPRIETARY?

[X] 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?)

[X] 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)

Unknown

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

GENERAL AREA

DATA DOCUMENTATION FORM

TR1463

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

Navoceano Harbor Defense Study in association with Cornell Univ.

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

C

TR1463

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
Nelson	Barge	U.S.	U.S.	07/30/52	11/25/52

8. ARE DATA PROPRIETARY?

[X] 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?)

[X] 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)

Unknown

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

GENERAL AREA

DATA DOCUMENTATION FORM

TR1464

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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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

U. S. Coast and Geodetic Survey

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

NAVOCEANO Harbor Defense Study in association with Cornell Univ.

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

TR1464

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
Myers	Barge	U.S.	U.S.	11/02/53	11/02/53

8. ARE DATA PROPRIETARY?

[X] 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?)

[X] 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)

Unknown

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

GENERAL AREA

B. SCIEN. C 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	Feet Meters			
Temperature	Fahrenheit Centigrade			
Salinity	$^o/oo$	UNDETERMINED	UNDETERMINED	
Density				
Oxygen	ml/1			

USCOMM-DC 44289-P72

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

> FILE HEADER RECORD - "1" in col. 10
> FIRST STATION HEADER RECORD - "2" in col. 10
> SECOND STATION HEADER RECORD - "3" in col. 10
> DATA RECORDS - "4" in col. 10

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 _____
   ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH
☐ BCD ☐ BINARY ☐ ASCII ☒ EBCDIC ☐ _____	☐ _____
	10. END OF FILE MARK ☐ OCTAL 17 ☐ _____
6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
7. PARITY ☒ ODD ☐ EVEN	Data on tape is in card image dcb = (recfm=fb,lrecl=80,blksize=3200) DSN = AC**720385** ,vol=ser=**004519**
8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____	9 Track tape;Standard Label.
	12. PHYSICAL BLOCK LENGTH IN BYTES 3200
	13. LENGTH OF BYTES IN BITS 8

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN ___ (e.g., bits, bytes)	16. LENGTH *in bytes* NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
File Header Record				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"1" (File Header Record)
Vessel	11	11	11A1	(left aligned)
Cruise	22	6	6A1	Originator's Cruise Identifier
Cruise Dates	28	17	5(I2,A1) I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; Ending Month, Day, Year
Senior Scientist	45	19	19A1	(left aligned)
Investigator	64	17	17A1	Responsible Institution (left aligned)

NOAA FORM 24-13

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	19. USE AND MEANING
First Station Header Record				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"2" (First Station Header Record)
Sequence	11	3	I2	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1	Station Identifier
Latitude	19	6	3I2	Degrees, Minutes, Seconds
Lathem	25	1	A1	Hemisphere "N" or "S"
Longitude	26	7	I3, 2I2	Degrees, Minutes, Seconds
onhem	33	1	A1	Hemisphere "W" or "E"
Time	34	3	I3	GMT in hour to tenths
Date	37	8	2(I2,A1), I2	XX/XX/XX Station Date; Month, Day, Year
Bottom	45	5	I5	Water Depth, meters to tenths
Navigation	50	2	I2	(See attached codes)
Method	52	1	I1	(See attached codes)
Blank	53	28	28X	Blank

FILE NAME: WATER PHYSICS and CHEMISTRY   (File Type "004")

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Second Station Header Record				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"3" (Second Station Header Record)
Sequence	11	3	I3	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1	Station Identifier
Barometer	19	3	I3	Pressure in millibars to tenths
Dry Bulb	22	4	I4	Air temperature; degrees Celsius to tenths
Wet Bulb	26	4	I4	Air temperature; degrees Celsius to tenths
Wind Direction	30	2	I2	WMO code 0877; tens of degrees
Wind Speed	32	2	I2	Knots
Sea Direction	34	2	I2	WMO code 0885; tens of degrees
Sea Height	36	1	A1	WMO code 1555
Swell Direction	37	2	I2	WMO code 0885
Swell Height	39	1	A1	WMO code 1555
Weather	40	1	I1	WMO code 4501
Cloud Type	41	1	A1	WMO code 0500
Cloud Cover	42	1	I1	WMO code 2700
Visibility	43	1	I1	WMO code 4300
Transparency	44	4	I4	Secchi Disk Depth; meters to tenths
Turbidity Code	48	1	I1	(See attached codes)
Blank	49	37	37X	Blank

RECORD FORMAT DESCRIPTION

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Data Record				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"4" (Data Record)
Sequence	11	3	I3	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1	Station Identifier
Depth	19	4	I4	Sample Depth; to tenths
Temperature	23	5	I5	Water Temp.; degrees Celsius to thousandths
Salinity	28	5	I5	Salinity; parts per thousand to thousandths
Sigma-T	33	4	I4	Sigma-t to hundredths
Transmissivity	37	3	I3	Transmissivity; percent to tenths
pH	40	3	I3	pH to hundredths
eH	43	4	I4	eH to hundredths
Oxygen	47	4	I4	Dissolved; hundredths to ml./liter
Ammonia	51	3	I3	Tenths of microgram (ug)-atoms/liter
Nitrite	54	3	I3	Hundredths of ug-atoms/liter
Nitrate	57	4	I4	Hundredths of ug-atoms/liter
Silicate	61	4	I4	Hundredths of ug-atoms/liter
Phosphate	65	3	I3	Inorganic; hundredths of ug-atoms/liter
Solids	68	4	I4	Suspended solids in hundredths of mg./liter

RECORD FORMAT DESCRIPTION

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Data Record (cont'd)				
Turbidity	72	4	I4	_Turbidity; in hundredths of mg./liter_
Chlorophyll	76	5	I5	_Chlorophyll; in hundredths of mg./meter^3_

NOAA FORM 24-13

NAVIGATION

01 = Loran (mixed or unspecified)
02 = Radar and/or fixes
03 = Raydist without complications
04 = Raydist with errors, drifting, etc.
05 = Satellite
06 = Omega
07 = Loran A only
08 = Loran C only

TURBIDITY CODE

1 = Turbidometer; in JTU
2 = Transmissometer; in percent of light transmission over a 10 cm. path.
3 = Flourometer; suspended solids calibration

METHOD CODE

1 = STD (Salinity, Temperature, and Depth recorder)
2 = XBT (Expendable Bathythermograph)
3 = Nansen Cast
4 = MBT (Mechanical Bathythermograph)

TRACK TR1458 — TR1464

①

CODING INSTRUCTIONS

NODC COUNTRY-CRUISE REFERENCE NO. 720385 , WRITER LWA DATE

CHECKED BY_____DATE_____; APPROVED BY_____DATE_____

SOURCE MATERIAL (AUTHOR, TITLE, VOLUME, PART, PAGE, ETC.)

Photo copies of Reduced Data Sheets. The entire data batch - 720385 -
consists of 4 sub-data sets (cruise) of 3628 observations. A File
Header Record should be encoded for each individual cruise. Although
there is only one (1) batch, a set of coding instructions are provided
for each of the four (4) sub-data sets.

NODC PUB. M-2 _____ IS TO BE USED IN CONJUNCTION WITH THESE INSTRUCTIONS

(General instructions begin on Page 2)

INSTR. NO.	SPECIAL INSTRUCTIONS
#1	If any entry is made in any data field, on the Data Records, prefix zeros (∅) where necessary to fill that particular field. If no entry is to be made, leave field blank. Do not suffix zeros.
#2	Do not code decimal points, they are understood.
#3	Those depths, temperatures and salinities on the Data Records enclosed in parenthesis are considered doubtful values and should be coded as such (e.g., a "Q" should be coded in the last columns of that particular field. EX. Temp. of (3.94) should be coded as 03.94Q.)
#4	When coding Longitude, a zero should be prefixed to fill that field.

Supplemental Sheet for 720385

Acces. No.	Vessel	Orig. Cr. Identification	Dates of Operation	# Obs.	Institution
72-0385	MYERS	A	11/02/53–11/02/53	18	U.S.C.G.S.
	STIRNI	–	02/29/52–03/20/52	198	U.S.C.G.S.
	NELSON	–	11/05/51–11/25/52	1674	U.S.C.G.S.
	BOWEN	–	06/25/51–07/28/62	1738	U.S.C.G.S.
				3628	

STA. NO. 1-I   CR. NO. A

VESSEL MAGGIE S. MEYERS

DATE 2 XI 53 ← 4 R.

TIME 0635   DA. MO.   TIDAL REF BRKWTR

DEPTH 18'

REDUCED DATA

LAT 39 ° 12.3 ' N

LONG 075 ° 12.1 ' W

DATA BT ✓ STD   NAN ✓ UB   OTHER BKT

WEATHER OO BAR 30.13

WIND Dir W-1 Spd   SEA 1

AIR: WET _____ DRY _____

TRANSP.: BL _____ WH 6'

72-0385

SECOND STATION HEADER INFO

DEPTH (FEET)	DEPTH (METERS)	TEMPERATURE (°FAHR.)	(°CENT.)	SALINITY	DENSITY SIGMA t	SOUND VELOCITY	OXYGEN	O₂ SAT.	DATA		TIDE
0	0	59.4	15.2	29.73					BKT		HW
16.4	5	59.5	15.26	23.95	Sigma-t		oxygen		NAN		
	DEPTH	Temp		SAL							
0	0	59.0	15.0						BT		
5	1.5	.0	.0								
10	3.0	.1	15.1								
15	4.6	.2	15.1								
20	6.1	.2	15.1								
25	7.6	.3	.2								
26.5	8.0	.3	15.2								

CODING INSTRUCTIONS FOR CRUISE NO. 720385

File Header Record

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS
File Type	1-3	--------	Constant entry of "004"
Acces. Number	4-9	--------	Enter "720385" on each File Header Record
Record Type	10	--------	Constant entry of "1"
Vessel	11-21	--------	Enter "MYERS " (left justified)
Orig. Cr. ID	22-27	--------	Leave blank
Dates of Oper.	28-44	--------	Enter as given from supplemental sheet
Senior Scien.	45-63	--------	Leave blank
Insti-tution	64-80	--------	Enter "U.S.C.G.S."

CODING INSTRUCTIONS FOR CRUISE NO. 720385

First - Station
Header Record

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS
File Type	1-3	--------	Constant entry of "004"
Acces. Number	4-9	--------	Enter "720385" on each Station Header Record
Record Type	10	--------	Constant entry of "2"
Record Seq.	11-13	--------	Constant entry of "001"
Orig. Sta. No.	14-18	--------	Enter as given (right justified)
Latitude	19-24	Table #2	Using Table #2, convert tenths of minutes to seconds and enter converted Latitude
Hemisphere	25	--------	Enter "N" throughout cruise
Longitude	26-32	Table #2	Using Table #2 convert tenths of minutes to seconds and enter converted Longitude (see special instructions #4)
Hemisphere	33	--------	Enter "W" throughout cruise
Time (GMT)	34-36	Tables #4 & 2	Time is given in EST and should be converted to GMT using Table #4. The first two digits are hours, and the last two digits are minutes. Use #2 to convert minutes to tenths of hours. (EX. 0635 should be coded as 115). When more than one time is given code the earliest hour
Station Date	37-44	--------	Enter as given, except where conversion to GMT changes the day. Convert month to numeric code (e.g., Feb=02, etc.)
Water Depth	45-49	Table #6	Water Depth is recorded in feet under "Depth." Use Table #6 to convert feet to meters and enter converted depth.
	50-80	--------	Leave blank

CODING INSTRUCTIONS FOR CRUISE NO. 720385

Second - Station
Header Record

see note (*) before coding this record.

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS
File Type	1-3	--------	Constant entry of "004"
Acces. Number	4-9	--------	Enter "720385" on each Station Header Record
Record Type	10	--------	Constant entry of "3"
Record Seq.	11-13	--------	Constant entry of "001"
Orig. Sta. No.	14-18	--------	Enter as given (right justified)
Bar. Press.	19-21	Table #18	Recorded under "Bar." in inches of mercury. Use Table #18 to convert inches to millibars and enter tens, units and tenths as converted
AirTemp Dry	22-25	Table #20	Recorded under "Air: Dry." In some instances temperature is given in degrees Celsius, and in other instances it is given in degrees Fahrenheit. When the temperature is suffixed by the letter "C," enter that temperature as given. When the "C" is not suffixed the temperature is in degrees Fahrenheit and should be converted to Celsius using Table #20 (prefix any necessary zeros to fill the field; do not suffix zeros)
AirTemp Wet	26-29	Table #20	Recorded under "Air: Wet." Use the same procedure as given for Air Temp. Dry
Wind Dir.	30-31	Table #9	Both Wind Direction and Speed are recorded under "Wind." The Wind Direction is recorded in points (NE; N; E; NNW; etc.) and should be converted to code using Table #9
Wind Speed	32-33	--------	Enter as given (prefix any necessary zeros)
	34-35	--------	Leave blank
Sea Height	36	--------	Recorded under "Sea," enter as given
	37-39	--------	Leave blank
Weather	40	--------	Recorded under "Weather" in a two digit code. Record only the significant digit, dropping the prefixed zeros (EX. given as 01; code 1)

CODING INSTRUCTIONS FOR CRUISE NO. 720385

Second - Station Header
Record (cont'd)

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS
	41-43	-------	Leave Blank
Trans-parency	44-47	Table #6	Recorded in feet under "Transp. BL". Use table #6 to convert feet to meters and enter converted depth. (prefix zeros).
	48-80	-------	Leave Blank
(*)	1-80	-------	If there are no entries in the upper righthand portion of the form to be coded, the Second - Station Header Record may be omitted.

CODING INSTRUCTIONS FOR CRUISE NO. 720385

Data Records

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS
File Type	1-3	--------	Constant entry of "004"
Acces. Number	4-9	--------	Enter "720385" on each Data Record
Record Type	10	--------	Constant entry of "4"
Record Seq.	11-13		Enter "ØØ1" on first Data Record and number subsequent Data Records consecutively. Prefix zeros where necessary (e.g. ØØ1;ØØ2;ØØ3;etc.)
Orig. Sta. no	14-18	--------	Enter as given; prefix necessary zeros.
	SPECIAL NOTE		In the third column from the right on the form to be coded is a heading "Data". Under that heading, three types of data are recorded -- BKT,NAN,and BT. Do not code those depths or information with "BT" in the data column.
			Code only the data designated as either "BKT" or "NAN".
Depth	19-22	--------	Depths are given in both feet and meters.
			Enter as given, those depths recorded under "Depth (meters)".
Temp.	23-27	--------	Temperatures are given in both Fahrenheit and Celcius. Enter as given, those temperatures recorded under "temperature (cent)". Prefix any necessary zeros. DO NOT suffix zeros.
Salinity	28-32	--------	Enter as given
	33-46	--------	Leave blank
Oxygen	47-50	--------	Recorded under "Oxygen". Enter as given; Prefix any necessary zeros.
	51-80	--------	Leave blank

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7200385	C100	BL0827	9999	31G8	3190	1951/11/05	A	17681
7200385	C100	BL0820	9999	3130	31PH	1957/04/01	II	17674
7200385	C100	BL0821	9999	31G8	32NE	1951/11/05	A	17675
7200385	C100	BL0822	9999	31G8	32NE	1952/07/30	B	17676
7200385	C100	BL0823	9999	3130	31PH	1957/01/01	I	17677
7200385	C100	BL0824	9999	31G8	32NE	1952/10/26	C	17678
7200385	C100	BL0825	9999	31G8	319C	1952/05/07	NULL	17679
7200385	C100	BL0826	9999	31G8	32M2	1953/11/02	NULL	17680
7200385	C100	BL0828	9999	31G8	31SN	1952/02/29	NULL	17682
7200385	C100	BL0829	9999	31G8	319C	1951/01/10	NULL	17683
7200385	F004	TR1458	9999	31G8	319C	1951/01/10	NULL	17684
7200385	F004	TR1459	9999	31G8	319C	1952/05/07	NULL	17685
7200385	F004	TR1460	9999	31G8	31SN	1952/02/29	NULL	17686
7200385	F004	TR1461	9999	31G8	32NE	1951/11/05	A	17687
7200385	F004	TR1462	9999	31G8	32NE	1952/07/30	B	17688
7200385	F004	TR1463	9999	31G8	32NE	1952/10/26	C	17689
7200385	F004	TR1464	9999	31G8	32M2	1953/11/02	NULL	17690
7200385	L130	L01155	9999	31G8	31PH	1957/01/22	I, II	17691

(18 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7200385	C100	BL0827	3190	143	0	Nov 5 1951	Jun 14 1952
7200385	C100	BL0820	31PH	19	0	Apr 1 1957	Apr 1 1957
7200385	C100	BL0821	32NE	143	0	Nov 5 1951	Jun 14 1952
7200385	C100	BL0822	32NE	118	0	Jul 30 1952	Oct 25 1952
7200385	C100	BL0823	31PH	17	0	Jan 1 1957	Feb 1 1957
7200385	C100	BL0824	32NE	3	0	Oct 26 1952	Nov 25 1952
7200385	C100	BL0825	319C	335	0	May 7 1952	May 28 1952
7200385	C100	BL0826	32M2	10	0	Nov 2 1953	Nov 2 1953
7200385	C100	BL0828	31SN	189	0	Feb 29 1952	Mar 20 1952
7200385	C100	BL0829	319C	148	0	Jan 10 1951	Nov 14 1951
7200385	F004	TR1458	319C	1364	11366	Jan 10 1951	Nov 14 1951
7200385	F004	TR1459	319C	378	3511	May 7 1952	May 28 1952
7200385	F004	TR1460	31SN	199	1878	Feb 29 1952	Mar 20 1952
7200385	F004	TR1461	32NE	1127	5499	Nov 5 1951	Jun 14 1952
7200385	F004	TR1462	32NE	253	1537	Jul 30 1952	Oct 25 1952
7200385	F004	TR1463	32NE	296	2146	Oct 26 1952	Nov 25 1952
7200385	F004	TR1464	32M2	18	83	Nov 2 1953	Nov 2 1953
7200385	L130	L01155	31PH	36	324	Jan 22 1957	Apr 18 1957

(18 rows affected)