SPR-BD   COPY MADE

19?

DDF A:2:06

TR3679

DATA DOCUMENTATION FORM

F004

NODC COPY OF
ORIGINATOR'S CARDS
TAPE 5839
9TRK 1600 bpi
FILE 1

(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.

FT004
SALINITY/TEMP

A. ORIGINATOR IDENTIFICATION

LRECL = 80
BLKSIZE 80

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

DSN = BRINE.FILET004

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

Texas A&M University
Environmental Engineering Division
College Station, TX 77843

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

Bryan Mound Strategic Petroleum Reserve Program

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

092277, 101477, 111177, 121577
022078, 031578   (6 cruises)

4. PLATFORM NAME(S)

R/V Excellence

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

Research Vessel

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
9/22/77	03/15/78

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)

Dr. Roy W. Hann, Jr.
Project Manager

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

GENERAL AREA
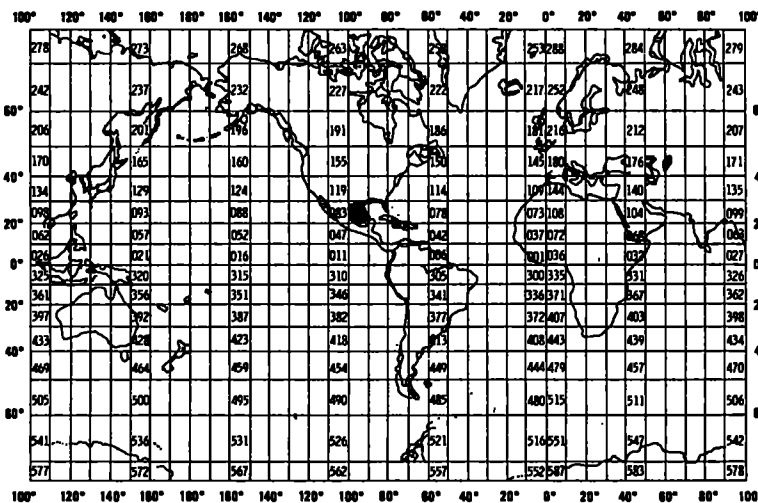
B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S 510)	N/A (not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	ppt			
Water Temp	°c			

NOAA FORM 24-13

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).

2. Describe briefly how your file is organized.

3-13. Self-explanatory.

14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity.

15. Enter starting position of the field.

16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.

17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").

18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

C. DATA FORMAT

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

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

Originator tape

Water Physics and Chemistry 004 — 80 col cards

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
☐ 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)

5839 (1, sL)

DSN~BRING.FILET004

12. PHYSICAL BLOCK LENGTH IN BYTES
80

13. LENGTH OF BYTES IN BITS
80

NOAA FORM 24-13

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

USER TAPE

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 *D752 - NOAA/EDIS/NODC - 202-634 7505*
   ADDRESS *WASHINGTON, DC. 20235*

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

013089 (I.SL)

8. DENSITY
   ☐ 200 BPI ☒ 1600 BPI
   ☐ 556 BPI
   ☐ 800 BPI
   ☐ _____

DSN = TR3679

12. PHYSICAL BLOCK LENGTH IN BYTES
4800

13. LENGTH OF BYTES IN BITS
80

NOAA FORM 24-13   USCOMM-DC 44289-P72

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

RECORD 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		

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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		

NOAA FORM 24-13

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		

NOAA FORM 24-13

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 (✓)	(✓)

NOAA FORM 24-13

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set – Accession #_*78-0901*_

         1) File Type:_*ØØ4*_

         2) Project Ident.:_*SPR-B*_

         3) Track Nos.:_*TR 3679*_

I. Error Corrections as reported to Principal Investigator:

      Error   Correction Completed (Check)

II. Additional error corrections:

      Error   Correction Completed (Check)

1. *duplicate stations*   – *re-numbered .*

2. *999 values rec. type 4*   – *deleted*

III. Processor Name:_*GRP*_

WATER PHYSICS AND CHEMISTRY

2-23-77

FILE HEADER STA.

FILE TYPE (DDH)	FILE DATE	RECORD TYPE #2	VESSEL	CRUISE	CRUISE DATES						SEMIOR SCIENTIST	INVESTIGATOR
					BEGIN			END				
					MONTH	/ DAY / YEAR		— MONTH	/ DAY	/ YEAR		

FILE HEADER #1

FILE TYPE (DDH)	FILE DATE	RECORD TYPE #2	SEQUENCE	STATION NUMBER	LATITUDE				LONGITUDE				TIME (GMT IN HOURS TO 1/10)	STATION DATE			WATER DEPTH (m. to tenths)	N A V A I D	METHOD CODE	BLANK
					DEG.	MIN.	SEC.	N S	DEG.	MIN.	SEC.	N S		MONTH	/ DAY	/ YEAR				

STA. HEADER #2

FILE TYPE (DDH)	FILE DATE	RECORD TYPE #3	SEQUENCE	STATION NUMBER	BARO-METER (milli-bars to 1/10)	DRY BULB (°C to 1/10)	WET BULB (°C to 1/10)	WIND DIR. CODE	WIND SPEED (KTS, 1/10)	SEA STATE CODE	SEA HEIGHT CODE	SWELL HEIGHT CODE	WEATHER CODE	CLOUD TYPE CODE	CLOUD COVER CODE	VISIBILITY CODE	TRANS-PARENCY (SECCHI Disc; depth in m. to 1/10)	TURBIDITY CODE	BLANK

2-23-77

| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 |

DATA RECORD

| FILE TYPE (04) | FILE DATE | RECORD TYPE 04 | SEQUENCE | STATION NUMBER | SAMPLE DEPTH (m to .h) | WATER TEMP. (°C to .h) | SALINITY (parts per Thousand to .hh) | SIGMA-t (to .hh) | TRANS-MISSI-VITY (% to .h) | PH (to .hh) | EH (to .hhh) | OXYGEN (%oo of ml/liter) | AMMONIA (%oo of g-atom/liter) | NITRITE (%oo of g-atom/liter) | NITRATE (%oo of ug-atoms/liter) | SILICATE (%oo of g-atoms/liter) | INORG. PHOS-PHATE (%oo of g-atoms/liter) | SUSP. SOLIDS (%oo of mg/liter) | TURB-IDITY (%oo of mg/liter) | CHLOR-OPHYLL (%oo of mg/meter³) |

| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 |

AF FORM FEB 74 1530 PREVIOUS EDITION WILL BE USED.   PUNCH CARD TRANSCRIPT.   ☆ U.S. Government Printing Office: 1975—497-413

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
File Header Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (File Header Record)
VESSEL	11	11	11A1	(left aligned)
CRUISE	22	6	6A1	Originator's cruise identifiers
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)
First Station Header Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"2" (First Station Header Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station. (Leading zeros or leading blanks) 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
LONHEM	33	1	A1	Hemisphere "W" or "E"
TIME	34	3	I3	GMT in hours 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

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
Record Type "2" Terminator				Optional; for those who must re-read their file using FORTRAN.
IDENT	1	10	A3,3I2,A1	
SEQUENCE	11	3	I3	"998" (constant)
blank	14	67	67X	blank
Second Station Header Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
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	32	32X	blank

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
Record Type "3" Terminator				Optional for those who must re-read their files in FORTRAN.
IDENT	1	10	A3,3I2,A1	Same as "Second Station Header Record"
SEQUENCE	11	3	I3	"998" (constant)
blank	14	67	67X	blank
Data Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
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, meters 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 of ml./liter
AMMONIA	51	3	I3	Tenths of microgram (μg)-atoms/liter
NITRITE	54	3	I3	Hundredths of μg-atoms/liter
NITRATE	57	4	I4	Hundredths of μg-atoms.liter
SILICATE	61	4	I4	Hundredths of μg-atoms/liter
PHOSPHATE	65	3	I3	Inorganic; hundredths of μg-atoms/liter
SOLIDS	68	4	I4	Suspended solids in hundredths of mg./liter
TURBIDITY	72	4	I4	Turbidity; in hundredths of mg./liter
CHLOROPHYLL	76	5	I5	Chlorophyll; in hundredths of mg./meter³
Record Type "4" Terminator				Optional; for those who must re-read their file using FORTRAN.
IDENT	1	10	A3,3I2,A1	Same as "Data Record"
SEQUENCE	11	3	I3	"998" = end station. "999" = end file
blank	14	67	67X	blank

```
Password:
 accNo    fleA refNo  proj inst ship    startDate  cruise   catId
 -------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7800901 F004 TR3679 0093 3124 32L7    1977/09/22 NULL         308477

(1 row affected)
```

```
Password:
 accNo    fleA refNo  ship staCnt recCnt startDate   endDate
 -------- ---- ------ ---- ------ ------ ---------- ----------
 7800901 F004 TR3679 32L7 15      273    77/09/22   78/03/15

(1 row affected)
```