

RECD: 3/16/79

~~B18205~~ B18205

ACCESSION
NUMBER

79-0128

DDF 8:2:18

DATA DOCUMENTATION FORM

TR 4044

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

REPLACES TAPE B18166

(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.

FT 01

1111 10-79-316

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

NDBO, NSTL Station, Miss 39529

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

SPR-Brine Disposal Analysis
Program

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

SDOZ 120178

4. PLATFORM NAME(S)

SDOZ

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

Buoy

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

USA

USA

7. DATES

FROM: MO, DAY, YR TO: MO, DAY, YR

12/1/78

12/31/78

8. ARE DATA PROPRIETARY?

☒ NO ☐ 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)?

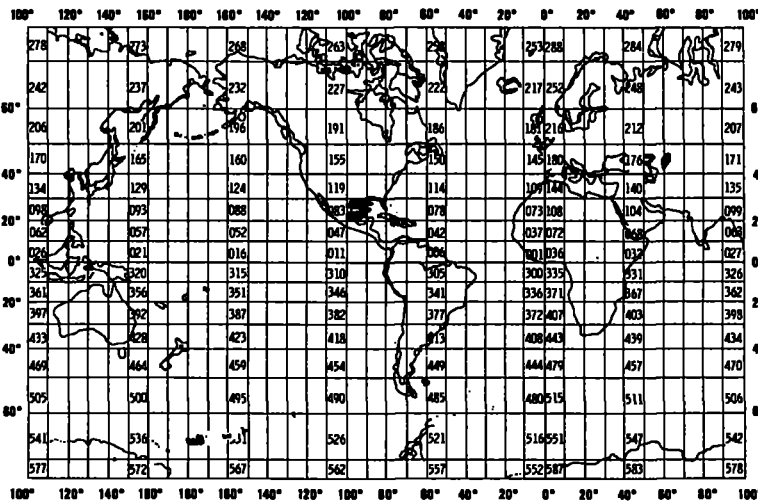
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

☒ 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)

William L. BeachT

601-688-2806



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 S510) | 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)

NOTE:

- ① CONVERTED FROM FT091 TO 191
- ② FILE ID = TR4044
- ③ DATA IS ON UNIVAC SL TAPE
FILE #1 LABEL = MITCH*TR4044/4065.

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 |
|-----------------------|-------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------|
| Wind Speed | m/sec | Bendix 123 A | | |
| Direction | Degrees of arc | | | |
| Air Temp | °C | YSI | | |
| Water Temp Surface | °C | YSI | | |

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

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

Format 091, mag Tape

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached. Missing data are 9 filled

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Jack Foreman

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p> | <p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p> |
| <p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>_____</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p> |
| | <p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p> |

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.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES

Jan 12, 1981

TO: John Sylvester
FROM: Mayra C. Pazos
SUBJECT: Norpax 77-78 NODC Data Tape

I am forwarding a data tape containing 22 buoys that belong to the Norpax Pre-FGGE Test Shuttle Experiment of 1977-1978, a complete data documentation form and a partial dump of the tape, to be sent to NODC.

Thank You,


Mayra C. Pazos, Programmer



10TH ANNIVERSARY 1970-1980

National Oceanic and Atmospheric Administration

A young agency with a historic
tradition of service to the Nation

FORMAT DESCRIPTION: Meteorology and Wave Spectra (091)

| Field Name | Position From - 1 Measured In Bytes | Length In Bytes | Code | Use and Meaning |
|----------------------------------|----------------------------------------------|-----------------------|----------------|----------------------------------------------|
| <u>Descriptive Header Record</u> | | | | |
| FILE TYPE | 1 | 3 | A3 | "091" ✓ |
| FILE DATE | 4 | 6 | 3I2 | Yr., Mo., Day of file generation ✓ |
| RECORD TYPE | 10 | 1 | A1 | "1" ✓ |
| STATION | 11 | 6 | A6 | Unique name of observation point ✓ |
| OBSERVED DATE | 17 | 6 | 3I2 | Year, Month, Day (G.M.T.) |
| OBSERVED TIME | 23 | 4 | 2I2 | Hours, Minutes (G.M.T.) |
| LATITUDE | 27 | 6 | 3I2 | Degrees, Minutes, Seconds ✓ |
| HEMISPHERE | 33 | 1 | A1 | "N" or "S" hemisphere ✓ |
| LONGITUDE | 34 | 7 | I3,2I2 | Degrees, Minutes, Seconds ✓ |
| HEMISPHERE | 41 | 1 | A1 | "E" or "W" hemisphere ✓ |
| BOTTOM DEPTH | 42 | 5 | I5 | Meters to tenths whole meters ✓ |
| MAGNETIC VARIATION | 47 | 4 | I4 | Whole degrees from true north (signed value) |
| BUOY HEADING* | 51 | 3 | I3 | Whole degrees from true north |
| SAMPLING RATE* | 54 | 4 | I4 | Original measurements per minute, to tenths |
| SAMPLING DURATION* | 58 | 4 | I4 | Minutes to hundredths |
| TOTAL INTERVALS* | 62 | 3 | I3 | Number of frequency intervals |
| CHIEF SCIENTIST | 65 | 20 | A20 | ✓ |
| INSTITUTION | 85 | 20 | A20 | Data source |
| COMMENTS | 105 | 16 | A16 | ✓ |

*For buoy data only

Environmental Data Record

| | | | | |
|---------------|----|---|-----|------------------------------------|
| FILE TYPE | 1 | 3 | A3 | "091" ✓ |
| FILE DATE | 4 | 6 | 3I2 | Yr., Mo., Day of file generation ✓ |
| RECORD TYPE | 10 | 1 | A1 | "B" (environmental data rec.) ✓ |
| STATION | 11 | 6 | A6 | Unique name of observation pt. ✓ |
| OBSERVED DATE | 17 | 6 | 3I2 | Year, Month, Day (G.M.T.) ✓ |
| OBSERVED TIME | 23 | 4 | 2I2 | Hours, Minutes (G.M.T.) ✓ |
| ALTITUDE | 27 | 3 | I3 | Meteorology alt., meters to tenths |
| AIR TEMP | 30 | 4 | I4 | Temperature, Celsius to tenths ✓ |
| DEW POINT | 34 | 4 | I4 | Temperature, Celsius to tenths ✓ |

FORMAT DESCRIPTION: Meteorology and Wave Spectra (091)

| Field Name | Position From - 1 Measured In Bytes | Length In Bytes | Code | Use and Meaning |
|-------------------------------------------|----------------------------------------------|-----------------------|---------------|------------------------------------------------------------------------|
| <u>Environmental Data Record (cont'd)</u> | | | | |
| BAROMETER | 38 | 5 | I5 | Millibars to tenths (reduced to sea level) |
| WIND SPEED | 43 | 4 | I4 | Meters/sec. to hundredths ✓ |
| WIND DIRECTION | 47 | 4 | I4 | From true north, degrees to tenths ✓ |
| WEATHER | 51 | 1 | I1 | Current Weather (WMO code 4501) |
| VISIBILITY | 52 | 3 | I3 | Nautical miles, to tenths |
| PRECIPITATION | 55 | 4 | I4 | Accumulation in millimeters |
| SOLAR RADIATION | 59 | 3 | I3 | Langley's/minute to hundredths |
| SOLAR RADIATION | 62 | 3 | I3 | Langley's/minute to hundredths |
| SIGNIFICANT WAVE HEIGHT | 65 | 3 | I3 | Meters to tenths, corrected for low frequency noise, etc. |
| AVERAGE WAVE PERIOD | 68 | 3 | I3 | Seconds to tenths |
| AVERAGE WAVE DIRECTION | 71 | 3 | I3 | Direction of predominant waves in whole degrees from true N |
| HIGHEST CREST | 74 | 3 | I3 | Meters to tenths, from reference level |
| DEEPEST TROUGH | 77 | 3 | I3 | Meters to tenths, from reference level |
| TEMPERATURE | 80 | 4 | I4 | Sea surface temp. to hundredths |
| SALINITY | 84 | 5 | I5 | Parts per thousand to thousandths |
| CONDUCTIVITY | 89 | 5 | I5 | Millimhos/cm to thousandths |
| blanks | 94 | 27 | 27X | |

Wave Spectra Data Record

| | | | | |
|-------------|----|---|-----|----------------------------------|
| FILE TYPE | 1 | 3 | A3 | "091" |
| FILE DATE | 4 | 6 | 3I2 | Yr., Mo., Day of file generation |
| RECORD TYPE | 10 | 1 | A1 | "3" |
| STATION | 11 | 6 | A6 | Unique name of observation pt. |

FORMAT DESCRIPTION: Meteorology and Wave Spectra (091)

| Field Name | Position From - 1 Measured In Bytes | Length In Bytes | Code | Use and Meaning |
|----------------------------------------|----------------------------------------------|-----------------------|-----------|--------------------------------------------------------------------------------------------------------------------|
| <u>Wave Spectra Data Record cont'd</u> | | | | |
| OBSERVED DATE | 17 | 6 | 3I2 | Year, Month, Day (G.M.T.) |
| OBSERVED TIME | 23 | 4 | 2I2 | Hours, Minutes (G.M.T.) |
| INTERVALS PER DIRECTION | 27 | 3 | I3 | Zero for non-directional spectra, or total number of frequencies in this direction |
| DIRECTION | 30 | 4 | I4 | "9999" for non-directional spectra, or degrees to tenths from true north for fre- quencies on this record |
| COUNT | 34 | 1 | I1 | Number of frequencies on this record |
| DATA | 35 | 10 | 5(2I4,I6) | Up to 5 Frequency, Resolution, Density fields. Null fields zero or blank |
| FREQUENCY | 35,49,63, 77,91 | 4 | I4 | Center frequency of interval in Hertz to thousandths |
| RESOLUTION | 39,53,67, 81,95 | 4 | I4 | Resolution of interval in Hertz to ten-thousandths |
| DENSITY | 43,57,71 85,99 | 6 | I6 | Spectral Density of interval in m ² /Hz to thousandths |
| BLANKS | 105 | 16 | 16X | Fill the fixed length record |

FILE TYPE 191 - METEOROLOGY AND WAVE SPECTRA - 12/7/79 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS USED TO REPORT METEOROLOGICAL DATA AND OCEAN WAVE SPECTRA DATA FROM NDBO. THE FORMAT CONTAINS FIVE DATA RECORD TYPES TO:

1) IDENTIFY THE BUOY FOR POSITION, DURATION, RATE OF SAMPLING AND HEADING,
2) IDENTIFY THE METEOROLOGICAL PARAMETERS (TEMPERATURE, PRESSURE, WEATHER, SOLAR RADIATION, AND SURFACE WAVES), AND 3) REPORT TIME SERIES FREQUENCY, DENSITY AND RESOLUTION OF WAVES.

EACH RECORD IS 120 CHARACTERS IN LENGTH, SORTED BY STATION AND RECORD TYPE.

*****NOTE*****

THIS FORMAT REPLACES FILE TYPE 091.

*****NOTE*****

| PARAMETER | DESCRIPTION | SC |
|---------------------------|---------------------------------------------------------------------------------------------------------|-----|
| DESCRIPTIVE HEADER RECORD | ALWAYS '1' | 10 |
| STATION | SIX-CHARACTER UNIQUE NAME OF OBSERVATION POINT | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| LATITUDE | DDMMSS PLUS HEMISPHERE 'N' OR 'S' | 27 |
| LONGITUDE | DDMMSS PLUS HEMISPHERE 'E' OR 'W' | 34 |
| BOTTOM DEPTH | XXXXX - METERS TO TENTHS | 42 |
| MAGNETIC VARIATION | XXXX - WHOLE DEGREES FROM TRUE NORTH (SIGNED VALUE) | 47 |
| BUOY HEADING | XXX - WHOLE DEGREES FROM TRUE NORTH | 51 |
| SAMPLING RATE | XXXX - ORIGINAL MEASUREMENTS PER MINUTE, TO TENTHS | 54 |
| SAMPLING DURATION | XXXX - MINUTES TO HUNDREDTHS | 58 |
| TOTAL INTERVALS | XXX - NUMBER OF FREQUENCY INTERVALS | 62 |
| CHIEF SCIENTIST | 20-CHARACTER FIELD FOR SCIENTIST NAME | 65 |
| INSTITUTION | 20-CHARACTER FIELD FOR DATA SOURCE | 85 |
| WIND SAMPLING DURATION | XXX - MINUTES TO TENTHS | 105 |
| COMMENTS | 16-CHARACTER FIELD | 108 |
| ENVIRONMENTAL DATA RECORD | ALWAYS '2' | 10 |
| STATION | SEE RECORD '1' | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| ALTITUDE | XXX - METEOROLOGY (METERS TO TENTHS) | 27 |
| AIR TEMPERATURE | XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS | 30 |
| DEW POINT | XXXX - DEGREES C TO TENTHS | 34 |
| BAROMETER | XXXXX - REDUCED TO SEA LEVEL (MB TO TENTHS) | 38 |
| WIND SPEED | XXXX - M/SEC TO HUNDREDTHS | 43 |
| WIND DIRECTION | XXXX - DEGREES FROM TRUE NORTH TO TENTHS | 47 |
| WEATHER | ONE-CHARACTER CODE - USE CODE 0108 | 51 |
| VISIBILITY | XXX - NAUTICAL MILES TO TENTHS | 52 |
| PRECIPITATION | XXXX - ACCUMULATION IN MILLIMETERS | 55 |
| SOLAR RADIATION | XXX - LANGLEYS/MIN TO HUNDREDTHS, WAVE LENGTH LESS THAN 3.6 MICRONS | 59 |
| SOLAR RADIATION | XXX - LANGLEYS/MIN TO HUNDREDTHS, WAVE LENGTH 4.0 TO 50 MICRONS | 62 |
| SIGNIFICANT WAVE HEIGHT | XXX - CORRECTED FOR LOW FREQUENCY NOISE (METERS TO TENTHS) | 65 |
| AVERAGE WAVE PERIOD | XXX - SECONDS TO TENTHS | 68 |
| AVERAGE WAVE DIRECTION | XXX - DIRECTION OF PREDOMINANT WAVES IN WHOLE DEGREES FROM TRUE NORTH | 71 |
| HIGHEST CREST | XXX - FROM REFERENCE LEVEL (METERS TO TENTHS) | 74 |
| DEEPEST TROUGH | XXX - FROM REFERENCE LEVEL (METERS TO TENTHS) | 77 |

| | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----|
| TEMPERATURE | XXXX - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS | 80 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 84 |
| CONDUCTIVITY | XXXXX - MILLIMHOS/CM TO THOUSANDTHS | 89 |
| DOMINANT WAVE PERIOD | XXX - SECONDS TO TENTHS | 94 |
| MAXIMUM WAVE HEIGHT | XXX - METERS TO TENTHS | 97 |
| MAXIMUM WAVE STEEPNESS | XXX | 100 |
| WIND GUST | XXXX - METERS/SECOND TO HUNDREDTHS | 103 |
| WIND GUST AVERAGING PD | XX - SECONDS | 107 |
| WIND GUST | XXXX - METERS/SECOND TO HUNDREDTHS | 109 |
| WIND GUST AVERAGING PERIOD | XX - SECONDS | 113 |
| BLANKS | | 115 |
| WAVE SPECTRA DATA RECORD | ALWAYS '3' | 10 |
| STATION | SEE RECORD '1' | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| INTERVALS PER DIRECTION | XXX - TOTAL NUMBER OF FREQUENCIES IN THIS DIRECTION OR ZERO FOR NON- DIRECTIONAL | 27 |
| DIRECTION | XXXX - DEGREES TO TENTHS FROM TRUE NORTH OR '9999' FOR NON-DIRECTIONAL | 30 |
| COUNT | X - NUMBER OF FREQUENCIES ON THIS RECORD | 34 |
| DATA | UP TO 5 FREQUENCY, RESOLUTION, AND DENSITY FIELDS. NULL FIELDS ARE ZERO OR BLANK | |
| FREQUENCY | XXXX - CENTER FREQUENCY OF INTERVAL IN HERTZ TO THOUSANDTHS | 35 |
| RESOLUTION | XXXX - RESOLUTION OF INTERVAL IN HERTZ TO TEN-THOUSANDTHS | 39 |
| DENSITY | XXXXXX - SPECTRAL DENSITY OF INTERVAL IN M2/HZ TO THOUSANDTHS | 43 |
| FREQUENCY | SEE ABOVE | 49 |
| RESOLUTION | SEE ABOVE | 53 |
| DENSITY | SEE ABOVE | 57 |
| FREQUENCY | SEE ABOVE | 63 |
| RESOLUTION | SEE ABOVE | 67 |
| DENSITY | SEE ABOVE | 71 |
| FREQUENCY | SEE ABOVE | 77 |
| RESOLUTION | SEE ABOVE | 81 |
| DENSITY | SEE ABOVE | 85 |
| FREQUENCY | SEE ABOVE | 91 |
| RESOLUTION | SEE ABOVE | 95 |
| DENSITY | SEE ABOVE | 99 |
| BLANKS | | 105 |

SUBSURFACE TEMPERATURE DATA ALWAYS '4' 10
 RECORD
 STATION SEE RECORD '1' 11
 OBSERVED DATE (GMT) YYMMDD 17
 OBSERVED TIME HHMM 23
 DEPTH* XXXXX - METERS TO TENTHS 27
 *THIS FIELD IS REPEATED 9 TIMES STARTING IN COLS 36,45,54,63,72,
 81,90,99, AND 108
 TEMPERATURE* XXXX - SEA SURFACE NEGATIVE TEMPERATURES 32
 ARE PRECEDED BY A MINUS SIGN ADJACENT TO
 TEMPERATURE VALUE - DEG C TO HUNDREDTHS
 *THIS FIELD IS REPEATED 9 TIMES STARTING IN COLS 41,50,59,68,77,
 86,99,104, AND 113
 BLANKS 117

SUBSURFACE DATA RECORD ALWAYS '5' 10
 STATION SEE RECORD '1' 11
 OBSERVED DATE (GMT) YYMMDD 17
 OBSERVED TIME (GMT) HHMM 23
 DEPTH* XXXXX - METERS TO TENTHS 27
 *THIS FIELD IS REPEATED 2 TIMES IN COLS 57 AND 87
 U COMPONENT* XXXXX - EAST VECTORS IN CM/SECOND TO 32
 TENTHS
 *THIS FIELD IS REPEATED 2 TIMES IN COLS 62 AND 92
 V COMPONENT* XXXXX - TRUE NORTH VECTOR IN CM/SECOND 37
 TO TENTHS
 *THIS FIELD IS REPEATED 2 TIMES IN COLS 67 AND 97
 PRESSURE* XXXXX - KG/CM2 TO HUNDREDTHS 42
 *THIS FIELD IS REPEATED 2 TIMES IN COLS 72 AND 102
 CONDUCTIVITY* XXXXX - MILLIOHMS/CM TO THOUSANDTHS 47
 *THIS FIELD IS REPEATED 2 TIMES IN COLS 77 AND 107
 SALINITY* XXXXX - PARTS PER THOUSAND TO 52
 THOUSANDTHS
 *THIS FIELD IS REPEATED 2 TIMES IN COLS 82 AND 112
 BLANKS 117

TR4044

| Step | Completion Date/Init. | | Tape # or DSN | # of Files | BLKSIZE | LRECL | # RECORDS |
|-------------------------------|-----------------------|-----|------------------|---------------|---------|-------|-----------|
| OLD QUAD ORIGINATOR TAPE # | 5/28/81 | FJM | 3606 | 1 | 4800 | 6/20 | 1488 |
| QUAD/SCAN TAPE # | | | | | | | |
| ASSIGNED FOR PROCESS. | | | | | | | |
| 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" | | | | | | | |

NOTE :

- ① CONVERTED FROM FT091 TO FT191
- ② FILE ID = TR4044
- ③ DATA IS ON TAPE 002056
UNIVAC SL, FILE #1, TAPE LABEL =
MITCH*TR4044/4065.

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 7900128

- 1) File Type: 191
2) Project Ident.: BRINE DISPOSAL
3) Track Nos.: TR 4044

I. Error Corrections as reported to Principal Investigator:

| <u>Error</u> | <u>Correction Completed (Check)</u> |
|-------------------------------------------------------------|-------------------------------------|
| COMMENTS IN 105-120 MOVED TO 108-120 AND TRUNCATED | ✓ |
| DEPTH TO BOTTOM | ✓ |

II. Additional error corrections:

| <u>Error</u> | <u>Correction Completed (Check)</u> |
|--------------|-------------------------------------|
|--------------|-------------------------------------|

III. Processor Name: _____

ACCESSION/TRACK NO.: 7900128 TR 4044

| TYPE OF TAPE | TAPE NUMBER | LABEL | LRECL | BLKSIZE | RECFM | REMARKS | # RECORDS |
|--------------------------|-------------|-------|-------|---------|-------|---------|-----------|
| OLD QUAD I ORIGINATOR | 3606 | N | 120 | 4800 | FB | | 1488 |
| DUPLICATE | | | | | | | |
| REFORMATTED | | | | | | | |
| FIRST USER | | | | | | | |
| FINAL USER | | | | | | | |
| DISK FILE | DSN | | | | | REMARKS | # RECORDS |
| WORK DISK FILE | | | | | | | |
| EDITED DISK FILE | | | | | | | |

ACCESSION
NUMBER

ORIG TRAE W2135

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED
O.M.B. No. 41-R2651

RCVD DIS13
2/19/81

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 | | | |
| DATA MANAGEMENT INSTITUTE OF MARINE SCIENCE UNIVERSITY OF ALASKA, O'NEILL RES.BLDG. FAIRBANKS, ALASKA 99701 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| | | RT06 | |
| 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 |
| R/V REDOUBT | SHIP | USA USA | 04/04/80 04/11/80 |
| 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. | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW) | | GENERAL AREA | |
| 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Marcia Boyette (907) 479-9072 (907) 479-7836 | | | |

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 | 0.001 ‰ | NANSEN BOTTLES & INTEROCEAN CASSETTE CTD | DESCRIPTION OF BASIC PROCESSING ATTACHED | N/A |
| TEMPERATURE | °C | DSR THERMOMETERS & INTEROCEAN CASSETTE CTD | DESCRIPTION OF BASIC PROCESSING ATTACHED | N/A |
| DEPTH | 0.1m (1m = 1db) | THERMOMETRIC DEPTH & INTEROCEAN CASSETTE CTD | DESCRIPTION OF BASIC PROCESSING ATTACHED | N/A |

IMS STD/CTD DATA REDUCTION
(Interocean)
October 1979

Transcription

Interocean cassettes are transcribed to a 9-track magnetic tape.

Program - RDCASS

Data from the 9-track tape are un-blocked and logical records are written to a computer disc file.

Program - CALVAL

Data values from the instrument display, taken at the time discrete samples were taken, are input along with raw temperature and conductivity data from the discrete samples. Each set of such data constitute one field correction.

All of the field corrections are listed along with mean values for standard deviations for temperature and salinity. Generally, values for temperature and salinity are rejected if they fall beyond two standard deviations from the mean.

Subjective judgements as to the quality of the field correction data are made at this time.

Output from this program provides input for IOCAVE.

Program - IOCAVE

NODC calibrations are applied to the raw data. Data are checked to insure that they are within limits. Salinity and sigma-t are calculated. One-meter average values are calculated and written to a computer disc file.

Extrapolated and interpolated data are so marked (E and * respectively). An error report is produced noting any records that could not be interpreted. This information is summarized to give an overall indication of data quality.

Program - IOCOUT

One-meter averaged data and header information are combined to produce a finished printout:

- 1) All header information and corrected data in one meter intervals.
- 2) Flags indicating interpolated (*) and/or extrapolated (E) data are printed with associated data values.
- 3) Pertinent comments are solicited from the responsible principal investigator and attached to the final printout.

A tape with one-meter averages for depth, temperature, salinity, sigma-t, and Delta-D/per station is generated for data storage and further analysis.

Program - NODCF

This program is used to convert the output tape from IOCOUT (IMS STD final format) to an NODC formatted tape for submission for NODC to fulfill contractual obligations.

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

THREE RECORD TYPES WITHIN FILE TYPE 22

DESIGNATED AS: "1" For Text Record (in 10th Byte position)

"2" for Master Record

"3" for Detail Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

FILE 22, STD/CTD: 0 to 99,999 Text Records, followed by

1 Mater Record, followed by

0 to 99,999 Detail records

REPEATS

3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1

☐ ALGOL

☐ COBOL

☒ FORTRAN

☐

LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DATA MANAGER (907) 479-7836

ADDRESS Institute of Marine Science, University of Alaska, Fairbanks, AK 99701

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> | 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> .5 - .6 inch |
| 6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> | 10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> OCTAL 23 |
| 7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 022 006IMS REDOUBT CRUISE RT06 Dr. Burrell 04/04/80 - 04/11/80 Stations: 01-37 9 trk, 800BPI, EBCDIC, NO LABEL, ODD PARITY |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> | 12. PHYSICAL BLOCK LENGTH IN BYTES 5-120 bytes/block |
| | 13. LENGTH OF BYTES IN BITS 8 bit bytes |

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 |
|--------------------|----------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|
| | | | | |

RECORD FORMAT DESCRIPTION

RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes) | 16. LENGTH | | 17. ATTRIBUTES | 18. USE AND MEANING |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------|-------|----------------|---------------------|
| | | NUMBER | UNITS | | |
| FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE, EXCEPT: | 1. Col. 45-49 Depth in meters (I5 to 1/10ths) 2. Col. 50-53 Salinity in 0/00 (I4 to 1/100ths) | | | | |

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 | | |
| | | | | | |

RECDIC.F120.C160C.

TO OT 1F. REV OT. DUMP OT 15R.

AL CORE NEEDED *****

COPY IN TO OT 1 FILE.

1 CONTAINED

2059 RECCRDS

COPIED IN TO OT 1 FILE.

DUMP OT 15 RECORDS.

FILE NUMBER 1

| | | | | | |
|-----|--------------|--------------|---------------|--------------|--------------|
| 1 | 360362362360 | 360366311324 | 342361100100 | 100100361343 | 310305100344 |
| 21 | 325311345305 | 331342311343 | 350100326306 | 100301323301 | 342322301100 |
| 41 | 311342100331 | 305342327326 | 325342311302 | 323305100306 | 326331100343 |
| 61 | 310311342100 | 304301343301 | 100346310311 | 303310100346 | 301342100303 |
| 81 | 326323323305 | 303343305304 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100361 |
| 2 | 360362362360 | 360366311324 | 342361100100 | 100100361301 | 302326301331 |
| 21 | 304100343310 | 305100331141 | 345100331305 | 304326344302 | 343100303331 |
| 41 | 344311342305 | 100331343360 | 365100302305 | 343346305305 | 325100360364 |
| 61 | 141360364141 | 370360100343 | 326100360364 | 141361361141 | 370360100100 |
| 81 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100362 |
| 3 | 360362362360 | 360366311324 | 342361100100 | 100100361302 | 350100304331 |
| 21 | 111003023344 | 331331305323 | 323100326306 | 100343310305 | 100311325342 |
| 41 | 34111343344 | 343305100326 | 306100324301 | 331311325305 | 100342303311 |
| 61 | 305325303305 | 113100100100 | 100100100100 | 100100100100 | 100100100100 |
| 81 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100363 |
| 4 | 360362362360 | 360366311324 | 342361100100 | 100100361343 | 310305331305 |
| 21 | 100348305331 | 305100301100 | 343326343301 | 323100326306 | 100363367100 |
| 41 | 342343301343 | 311326325342 | 100311325100 | 343310305100 | 302326303301 |
| 61 | 100304305100 | 330344301304 | 3313061100301 | 331305301113 | 100100100100 |
| 81 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100364 |
| 5 | 360362362360 | 360366311324 | 342361100100 | 100100361343 | 310305100342 |
| 21 | 343311343311 | 325325100325 | 344324302305 | 331342100301 | 331305100100 |
| 41 | 360351140363 | 367113100100 | 100100100100 | 100100100100 | 100100100100 |

022006IMS1 1THE U
NIVERSITY OF ALASKA
IS RESPONSIBLE FOR T
HIS DATA WHICH WAS C
OLLECTED

1

022006IMS1 1ABOAR
D THE R/V REDOUBT CR
UISE PT06 BETWEEN 04
/04/80 TO 04/11/80

2

022006IMS1 1BY DR
BURRELL OF THE IMS
TITUTE OF MARINE SCI
ENCE.

3

022006IMS1 1THERE
WERE A TOTAL OF 37
STATIONS IN THE BOCA
DE CUADRA AREA.

4

022006IMS1 1THE 5
TATION NUMBERS ARE
01-37.

5

UTL2 REPORT 771101

PAGE 2

| | | | | | |
|------|--------------|--------------|--------------|--------------|--------------|
| 61 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101* | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100365 |
| 6 | 360362362360 | 360366311324 | 342361100100 | 100100361306 | 311305323304 |
| 21 | 100303326331 | 331305303343 | 311326325100 | 306326331100 | 343310311342 |
| 41 | 100303331344 | 311342305100 | 346301342100 | 343301322305 | 325100306331 |
| 61 | 326324100331 | 305304326344 | 302343100303 | 331344311342 | 305100331343 |
| 81 | 320366113100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100366 |
| 7 | 360362362360 | 360366311324 | 342361100100 | 100100361306 | 311305323304 |
| 21 | 100303326331 | 331305303343 | 311326325100 | 306326331100 | 343310305100 |
| 41 | 342343304100 | 304301343301 | 100346301342 | 100304305331 | 311345305304 |
| 61 | 100302350100 | 303326324327 | 301331311325 | 307100342311 | 325307323305 |
| 81 | 100302326343 | 343323305100 | 342301324327 | 323305342100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100367 |
| 8 | 360362362360 | 360366311324 | 342361100100 | 100100361343 | 326100331305 |
| 21 | 303326331304 | 305304100345 | 301323344305 | 342100306331 | 326324100343 |
| 41 | 310305100342 | 343304100342 | 305325342326 | 331342113100 | 100343310305 |
| 61 | 100306311305 | 323304100303 | 326331331305 | 303343311326 | 325100311342 |
| 81 | 100302301342 | 305304100326 | 325100361363 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100370 |
| 9 | 360362362360 | 360366311324 | 342361100100 | 100100361342 | 301324327323 |
| 21 | 305342100306 | 331326324100 | 301100343325 | 343301323100 | 326306100363 |
| 41 | 357100342343 | 301343311326 | 325342113100 | 343310305331 | 306311305323 |
| 61 | 304100303325 | 331331305303 | 343311326325 | 100311342100 | 100100100100 |
| 81 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100371 |
| 10 | 360362362360 | 360366311324 | 342361100100 | 100100361100 | 100100100100 |
| 21 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101* | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100361360 |
| 11 | 360362362360 | 360366311324 | 342361100100 | 100100361100 | 100100100100 |
| 21 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100343 |
| 41 | 305342327305 | 331301343344 | 331305100324 | 305301325115 | 325301325342 |
| 61 | 305325140342 | 343304135100 | 100311342100 | 100360113360 | 364366363367 |
| 81 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 101 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100361361 |
| 12 | 360362362360 | 360366311324 | 342361100100 | 100100361100 | 100100100100 |
| 21 | 100100100100 | 100100100100 | 100100100100 | 100100100100 | 100100100100 |
| 41 | 100100342301 | 323311325311 | 343350100324 | 305301325115 | 325301325342 |

022006IMS1 1FIELD
CORRECTION FOR THIS
CRUISE WAS TAKEN FR
OM REDOUBT CRUISE RT
06.

6

022006IMS1 1FIELD
CORRECTION FOR THE
STD DATA WAS DERIVED
BY COMPARING SINGLE
BOTTLE SAMPLES

7

022006IMS1 1TO RE
CORDED VALUES FROM T
HE STD SENSORS. THE
FIELD CORRECTION IS
BASED ON 13

8

022006IMS1 1SAMPL
ES FROM A TOTAL OF 3
7 STATIONS. THE FIEL
D CORRECTION IS

9

022006IMS1 1
10

022006IMS1 1
TEMPERATURE MEAN (NANS
EN-STD) IS 0.04637

11

022006IMS1 1
SAI INITY MEAN (NANS

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 CALI- BRATED (✓) |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------|--------------------------------------|----------------------------------------|----------------------------------|-----------------------------------|--------------------------------|----------------------------|-------------------------------------------------------|
| | | YOUR ORGANIZATION (✓) | OTHER ORGANIZATION (GIVE NAME) | AT FIXED INTERVALS (✓) | BEFORE OR AFTER USE (✓) | BEFORE AND AFTER USE (✓) | ONLY AFTER REPAIR (✓) | ONLY WHEN NEW (✓) | |
| INTEROCEAN CASSETTE CTD | Aug. 1979 | | NRCC | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION. | | | | | | | | | |

REV: 1/30/79

DATA DOCUMENTATION FORM

TR4045
F005

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

FT 005

(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.

FILE ID: 781215

FILE ID = 781215

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

TAPE 2675

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

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

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

SPR- Brine Disposal Analysis
Program (Brine mound)

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

NRST 062878

4. PLATFORM NAME(S)

NRST
(near Rutherford Site
Tap)

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

Oil platform

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

USA

USA

7. DATES

FROM: MO/DAY/YR TO: MO/DAY/YR

6/28/78

9/5/78

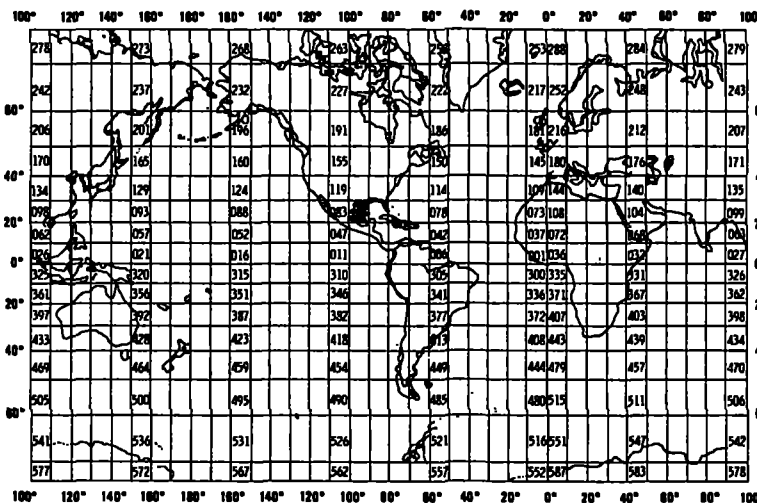
8. ARE DATA PROPRIETARY?

☒ NO ☐ 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?)

☒ 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.
Proj. Manager

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 S510) | 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 |
|--------------------|----------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|
| | | | | |

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 |
|--------------------------------|----------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|
| Current Speed and Direction | cm/s degrees of arc | Endeco | | |

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

005 Format, mag 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 _____

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p> | <p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p> |
| <p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | |
| <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p> | |
| <p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p> | |

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.

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D 752. NOAA/EDIS/NODC - 202-634 7505
 ADDRESS WASHINGTON, DC. 202 35

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p> | <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p> |
| <p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>007138</p> <p>DSN = TR 4045</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4800</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>60</p> |

| PARAMETER | DESCRIPTION | SC |
|-----------------------|---------------------------------------------------------------------------|----|
| FILE HEADER RECORD | ALWAYS '1' | 10 |
| STATION | FIVE-CHARACTER BUOY STATION IDENTIFIER | 11 |
| SEQUENCE | X;- FILE HEADER NUMBER | 16 |
| TEXT | 44-CHARACTERS FOR OPTIONAL COMMENTS | 17 |
| STATION HEADER RECORD | ALWAYS '2' | 10 |
| STATION | SEE RECORD '1' | 11 |
| LATITUDE | DDMMSS PLUS HEMISPHERE 'N' OR 'S' | 16 |
| LONGITUDE | DDMMSS PLUS HEMISPHERE 'E' OR 'W' | 23 |
| SENSOR DEPTH | XXXX - METERS TO TENTHS | 31 |
| WATER DEPTH | XXXX - METERS TO TENTHS | 35 |
| SENSOR SERIAL NUMBER | FOUR-CHARACTER SERIAL NUMBER | 39 |
| BLANKS | | 43 |
| DATA RECORD | ALWAYS '3' | 10 |
| STATION | SEE RECORD '1' | 11 |
| DATE | YYMMDD OBSERVED | 16 |
| TIME | XXXX - HOURS TO HUNDREDTHS | 22 |
| CURRENT DIRECTION | XXX - WHOLE DEGREES FROM TRUE NORTH | 26 |
| CURRENT SPEED | XXXX - WHOLE CM/SEC | 29 |
| TEMPERATURE | XXX - WATER (DEGREES C TO TENTHS) | 33 |
| PRESSURE | XXXX - WATER (KG/SQ CM TO HUNDREDTHS) | 36 |
| CONDUCTIVITY | XXXX - MILLIMHOS/CM TO HUNDREDTHS | 40 |
| INCLINOMETER ANGLE | XX - METER TILT OFF VERTICAL (WHOLE DEGREES) | 44 |
| WIND DIRECTION | XXX - TRUE DIRECTION FROM WHICH WIND IS BLOWING (IN WHOLE DEGREES) | 46 |
| WIND SPEED | XXXX - CM/SEC | 49 |
| SEA DIRECTION | XXX - TRUE DIRECTION FROM WHICH DOMINANT WAVES ARE COMING (WHOLE DEGREES) | 53 |
| SEA HEIGHT | XXX - DOMINANT WAVES (CM) | 56 |
| SEA PERIOD | XX - DOMINANT WAVES (SECONDS) | 59 |

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 | | |
| | | | | | |

RECORD FORMAT DESCRIPTION

RECORD NAME

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

RECORD FORMAT DESCRIPTION

RECORD NAME

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

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 CALI- BRATED (✓) |
|--------------------------------------|-----------------------------|------------------------------|--------------------------------------|----------------------------------------|----------------------------------|-----------------------------------|--------------------------------|----------------------------|-------------------------------------------------------|
| | | YOUR ORGANIZATION (✓) | OTHER ORGANIZATION (GIVE NAME) | AT FIXED INTERVALS (✓) | BEFORE OR AFTER USE (✓) | BEFORE AND AFTER USE (✓) | ONLY AFTER REPAIR (✓) | ONLY WHEN NEW (✓) | |
| | | | | | | | | | |
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Data Set Route Sheet

Accession # 79-0128

TR4045

| Step | Completion Date/Init. | | Tape #, | # of Files | BLKSIZE, | LRECL |
|-----------------------------------------|-----------------------|----------------|---------|------------|----------|-------|
| 1. Originator Tape # | 1/30/79 | FJM | B18136 | 1 | 60 | 60 |
| 2. QUADT Duplicate Tape # | 3/12/79 | FJM | 2675 | 1 | 4800 | 60 |
| 3. DDF Evaluation | | | | | | |
| 4. Quality Review | | | | | | |
| 5. Preliminary Data Sort | | | | | | |
| 6. Preliminary Check | 5/25/79 | | 2675 | 1 | 4800 | 60 |
| 7. First User Tape # | 8/31/79 | CES | 7138 | 1 | 4800 | 60 |
| 8. Final User Tape # | | | | | | |
| 9. Final Check | 9/5/79 | CES | 7138 | 1 | 4800 | 60 |
| 10. NAPIS Inventory | 10/11/79 | CES | 7138 | 1 | 4800 | 60 |
| 11. DIP Inventory | 9/6/79 | CES | 7138 | 1 | 4800 | 60 |
| 12. Data Set 'Finalized' | | | | | | |

NOTE: NODC COPY OF
 ORIGINATORS DATA
 IS: 5880 LABEL=(13,5L)
 DSN: BRINE. FILE T005
 60 X 4800

79-0128
TR 4045

Change time 2400 - to 2359

Delete 9999 values cols 29-32 - spec. type 3

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| 005-67 | | 288 |
| #2 013929 | ANSI | 372(C4219) |
| 382 | | |
| 60/4800, DSN=FOOS | #1 000902-UNIVAC | |
| | 001561 SDF-BACKUP | |
| | INDEX FOOSB. | |
| TR 4036, 4039-4040, 4042, 4045, 4048, 4064, 4066 4117-4119, 4186-4187, 4331-4399, 4401-4416, 4426-4438, 4463-4468, 4532-4535, 4538-4539, 4563, 4797-4810, 4817-4935, 4975-5005 | | |
| | | 434396 |

accession no: 79-0128
 Burn Disposal Team.

ISOC 163 *** STANDARD DATA FIELD CHECKING PROGRAM
THIS IS 01/11/79 VERSION WITH FULL CODE CHECKING

USER'S INPUT REQUESTS FOLLOW:

LRECL HAS BEEN SPECIFIED AS 60

STATION HEADER RECORD SPECIFIED AS 2

RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 123

STATION STARTS IN POSITION 11 FOR 5 BYTES

STATION WILL APPEAR ON RECORD TYPES : 123

RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS

FILETYPE IS 005

NO INDIVIDUAL ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

005T40451 TEST10451 COLLECTED BY TAMU FOR

??????

FIRST FILE ID

005T40451 TEST10451 COLLECTED BY TAMU FOR

?????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

005T40452 TEST28450010951000W 2 10

????

DATA BELOW RANGE IN SENSOR DEPTH METERS TO .1

????

DATA BELOW RANGE IN WATER DEPTH METERS TO .1

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/R=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NO CHECKING

| TYPE | REC | POS | LENGTH | NAME | RANGE TESTED LOW HIGH | ACTUAL RANGE LOWEST HIGHEST | MEAN | S. DEV | COUNT | FP | FP-1 | >-1 |
|------|-----|-----|--------|------------------------------------|--------------------------|------------------------------------|------------------------------------|--------|------------------------------------|------|------|-----|
| Z | 1 | 11 | 5 | METER NUMBER | | | | | 4 | | | |
| N | 1 | 16 | 1 | SEQUENCE | NO RANGE CHECKING | 1 4 | 2.50 | 1.11 | 4 | 4 | 0 | 0 |
| Z | 2 | 11 | 5 | METER NUMBER | | | | | 1 | | | |
| M | 2 | 16 | 2 | LAT DEG | 0 0 | 89 28 | 28.00 | CC | 1 | 1 | 0 | 0 |
| M | 2 | 18 | 2 | LAT MIN | 0 0 | 59 45 | 45.00 | CC | 1 | 1 | 0 | 0 |
| N | 2 | 20 | 2 | LAT SEC | 0 0 | 59 0 | 00 | CC | 1 | 1 | 0 | 0 |
| C | 2 | 22 | 1 | 0500LAT (E) | | | | | 1 | | | |
| M | 2 | 23 | 3 | LONG DEG | 0 0 | 179 95 | 95.00 | CC | 1 | 1 | 0 | 0 |
| M | 2 | 26 | 2 | LONG MIN | 0 0 | 59 18 | 18.00 | CC | 1 | 1 | 0 | 0 |
| N | 2 | 28 | 2 | LONG SEC | 0 0 | 59 0 | 00 | CC | 1 | 1 | 0 | 0 |
| C | 2 | 30 | 1 | 0501LONG (E) | | | | | 1 | | | |
| N | 2 | 31 | 4 | SENSOR DEPTH METERS TO .1 | 10 10 | 9999 2 | 2.00 | CC | 1 | 1 | 0 | 0 |
| N | 2 | 35 | 4 | WATER DEPTH METERS TO .1 | 100 100 | 9999 19 | 19.00 | CC | 1 | 1 | 0 | 0 |
| Z | 2 | 39 | 4 | SENSOR SERIAL NUMBER | | | | | NO VALUES FOUND FOR THIS PARAMETER | | | |
| N | 2 | 43 | 10 | | | | | | 1 | | | |
| Z | 3 | 11 | 5 | METER NUMBER | | | | | 3311 | | | |
| M | 3 | 16 | 2 | YEAR | NO RANGE CHECKING | 78 78 | 78.00 | CC | 3311 | 3311 | 0 | 0 |
| N | 3 | 18 | 2 | MONTH | 1 1 | 12 6 | 7.55 | 74 | 3311 | 3311 | 0 | 0 |
| M | 3 | 20 | 2 | DAY | 1 1 | 31 1 | 15.51 | 9.46 | 3311 | 3311 | 0 | 0 |
| M | 3 | 22 | 4 | HOUR TO .01 | 0 0 | 2399 50 | 1223.92 | 691.24 | 3311 | 3311 | 0 | 0 |
| M | 3 | 26 | 5 | DIRECTION-TRUE DEG FROM 1 NORTH | 0 0 | 359 0 | 144.73 | 107.86 | 3302 | 3302 | 0 | 0 |
| N | 3 | 29 | 4 | CURRENT VELOCITY WHOLE CM/SEC | 0 0 | 5000 0 | 22.29 | 14.02 | 3298 | 3298 | 0 | 0 |
| N | 3 | 33 | 3 | TEMP DEG C TO .1 | -20 310 | NO VALUES FOUND FOR THIS PARAMETER | | | | | | |
| N | 3 | 36 | 4 | PRESSURE KG/SQ CM TO .01 | 10 9999 | NO VALUES FOUND FOR THIS PARAMETER | | | | | | |
| N | 3 | 40 | 4 | CONDUCTIVITY MMHDS/CM TO .01 | 1500 5500 | NO VALUES FOUND FOR THIS PARAMETER | | | | | | |
| N | 3 | 44 | 2 | INCLINOMETER TILT WHOLE DEG | 0 0 | 18 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 46 | 5 | WIND DIRECTION-TRUE DIRC WHOLE DEG | 0 0 | 359 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 49 | 4 | WIND SPEED CM/SEC | 0 0 | 3200 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 53 | 5 | SEA DIRC-TRUE DIRC | 0 0 | 359 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |

N 3 56 3 SEA HEIGHT DOMINANT WAVES CM
1 3 59 2 SEA PERIOD OF DOM WAVES IN SEC

0
1

900 NO VALUES FOUND FOR THIS PARAMETER
99 NO VALUES FOUND FOR THIS PARAMETER

RECORDS READ : 3316

TAPB B18205

ACCESSION
NUMBER

79-0128

DOF B:2:1f

DATA DOCUMENTATION FORM

TR4046

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

BRON

(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.)

FILE NO = 781001

TH, 1/2

742

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.

09/18/01

RCVD: 10/23/78

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

ORIGINAL DATA LABEL
NODC COPY = 5500 (5)

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

WDR30, NSTL Station, Miss 39529

① CONVERTED TO FT191
② DATA ON DISK
MITCH* T4046.
③ FILE ID = TR4046

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

Brine Disposal Anal Prog

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

SD02 080178

4. PLATFORM NAME(S)

SD02

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

Buoy

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

USA

USA

7. DATES

FROM: MO, DAY, YR TO: MO, DAY, YR

8/1/78

8/3/78

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF 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)?

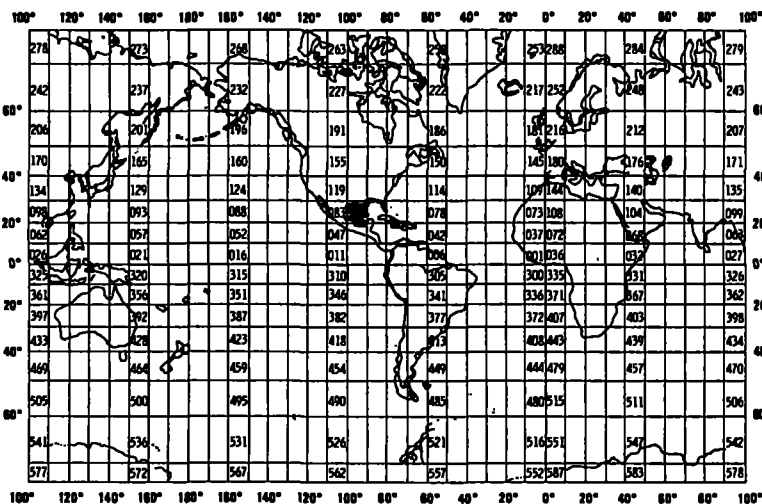
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

☒ 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)

William L. BeachT

601-688-2806



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 | 700 | Nansen bottles | Inductive salinometer (Hytech model S510) | 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 |
|------------------------|-------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------|
| Air Temp | °C | YSI | | |
| Wind speed & direction | m/sec Degrees true | Bendix 123A J-Tec VA-310 | | |
| Sea Water Temp | °C | YSI | | |

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.

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

Format 091 mag Tape

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

NAME AND PHONE NUMBER

ADDRESS

Jack Foreman 634-7324

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5. RECORDING MODE</p> <div style="display: flex; justify-content: space-between;"> <div><input checked="" type="checkbox"/> BCD</div> <div><input type="checkbox"/> BINARY</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> ASCII</div> <div><input type="checkbox"/> EBCDIC</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/></div> <div>_____</div> </div> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/></div> <div>_____</div> </div> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <div style="display: flex; justify-content: space-between;"> <div><input checked="" type="checkbox"/> SEVEN</div> <div><input type="checkbox"/> NINE</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/></div> <div>_____</div> </div> | <p>10. END OF FILE MARK</p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> OCTAL 17</div> <div><input type="checkbox"/></div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/></div> <div>_____</div> </div> |
| <p>7. PARITY</p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> ODD</div> <div><input type="checkbox"/> EVEN</div> </div> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <div style="height: 100px;"></div> |
| <p>8. DENSITY</p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> 200 BPI</div> <div><input type="checkbox"/> 1600 BPI</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> 556 BPI</div> <div><input checked="" type="checkbox"/> 800 BPI</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/></div> <div>_____</div> </div> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <div style="height: 40px;"></div> <p>13. LENGTH OF BYTES IN BITS</p> <div style="height: 40px;"></div> |

| | | |
|--------------|----------------------------------------------|----|
| TEMPERATURE | XXXX - SEA SURFACE (DEGREES C TO HUNDREDTHS) | 80 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 84 |
| CONDUCTIVITY | XXXXX - MILLIMHOS/CM TO THOUSANDTHS | 89 |
| BLANKS | | 94 |

| | | |
|--------------------------|----------------------------------------------------------------------------------|-----|
| WAVE SPECTRA DATA RECORD | ALWAYS '0' | 10 |
| STATION | SEE RECORD '1' | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| INTERVALS PER DIRECTION | XXX - TOTAL NUMBER OF FREQUENCIES IN THIS DIRECTION OR ZERO FOR NON-DIRECTIONAL | 27 |
| DIRECTION | XXXX - DEGREES TO TENTHS FROM TRUE NORTH OR '9999' FOR NON-DIRECTIONAL | 30 |
| COUNT | X - NUMBER OF FREQUENCIES ON THIS RECORD | 34 |
| DATA | UP TO 5 FREQUENCY, RESOLUTION, AND DENSITY FIELDS. NULL FIELDS ARE ZERO OR BLANK | |
| FREQUENCY | XXXX - CENTER FREQUENCY OF INTERVAL IN HERTZ TO THOUSANDTHS | 35 |
| RESOLUTION | XXXX - RESOLUTION OF INTERVAL IN HERTZ TO TEN-THOUSANDTHS | 39 |
| DENSITY | XXXXXX - SPECTRAL DENSITY OF INTERVAL IN SQ M/Hz TO THOUSANDTHS | 43 |
| FREQUENCY | SEE ABOVE | 49 |
| RESOLUTION | SEE ABOVE | 53 |
| DENSITY | SEE ABOVE | 57 |
| FREQUENCY | SEE ABOVE | 63 |
| RESOLUTION | SEE ABOVE | 67 |
| DENSITY | SEE ABOVE | 71 |
| FREQUENCY | SEE ABOVE | 77 |
| RESOLUTION | SEE ABOVE | 81 |
| DENSITY | SEE ABOVE | 85 |
| FREQUENCY | SEE ABOVE | 91 |
| RESOLUTION | SEE ABOVE | 95 |
| DENSITY | SEE ABOVE | 99 |
| BLANKS | | 104 |

| PARAMETER | DESCRIPTION | SC |
|--------------------------------|-----------------------------------------------------------------------|---------------|
| DESCRIPTIVE HEADER RECORD | ALWAYS '1' | 10 |
| STATION | SIX-CHARACTER UNIQUE NAME OF OBSERVATION POINT | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| LATITUDE | DDMMSS PLUS HEMISPHERE 'N' OR 'S' | 27 |
| LONGITUDE | DDMMSS PLUS HEMISPHERE 'E' OR 'W' | 34 |
| BOTTOM DEPTH | XXXXX - METERS TO TENTHS | 42 |
| MAGNETIC VARIATION | XXXX - WHOLE DEGREES FROM TRUE NORTH (SIGNED VALUE) | 47 |
| BOUY HEADING | XXX - WHOLE DEGREES FROM TRUE NORTH | 51 |
| SAMPLING RATE | XXXX - ORIGINAL MEASUREMENTS PER MINUTE, TO TENTHS | 54 |
| SAMPLING DURATION | XXXX - MINUTES TO HUNDREDTHS | 58 |
| TOTAL INTERVALS | XXX - NUMBER OF FREQUENCY INTERVALS | 61 |
| CHIEF SCIENTIST | 20-CHARACTER FIELD FOR SCIENTIST NAME | 65 |
| INSTITUTION | 20-CHARACTER FIELD FOR DATA SOURCE | 85 |
| COMMENTS | 16-CHARACTER FIELD | 105 |
| | | |
| ENVIRONMENTAL DATA RECORD | ALWAYS 'B' | 10 |
| STATION | SEE RECORD '1' | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| ALTITUDE | XXX - METEOROLOGY (METERS TO TENTHS) | 27 |
| AIR TEMPERATURE | XXXX - DEGREES C TO TENTHS | 30 |
| DEW POINT | XXXX - DEGREES C TO TENTHS | 34 |
| BAROMETER | XXXXX - REDUCED TO SEA LEVEL (MB TO TENTHS) | 38 |
| WIND SPEED | XXXX - M/SEC TO HUNDREDTHS | 43 |
| WIND DIRECTION | XXXX - DEGREES FROM TRUE NORTH TO TENTHS | 47 |
| WEATHER | ONE-CHARACTER CODE - USE CODE 0100 | 51 |
| VISIBILITY | XXX - NAUTICAL MILES TO TENTHS | 52 |
| PRECIPITATION | XXXX - ACCUMULATION IN MILLIMETERS | 55 |
| SOLAR RADIATION | XXX - LANGLEYS/MIN TO HUNDREDTHS, WAVE LENGTH LESS THAN 3.6 MICRONS | 59 |
| SOLAR RADIATION | XXX - LANGLEYS/MIN TO HUNDREDTHS, WAVE LENGTH 4.0 TO 50 MICRONS | 62 |
| SIGNIFICANT WAVE HEIGHT | XXX - CORRECTED FOR LOW FREQUENCY NOISE (METERS TO TENTHS) | 65 |
| AVERAGE WAVE PERIOD | XXX - SECONDS TO TENTHS | 68 |
| AVERAGE WAVE DIRECTION | XXX - DIRECTION OF PREDOMINANT WAVES IN WHOLE DEGREES FROM TRUE NORTH | 71 |
| HIGHEST CREST | XXX - FROM REFERENCE LEVEL (METERS TO TENTHS) | 74 |
| DEEPEST TROUGH | XXX - FROM REFERENCE LEVEL (METERS TO TENTHS) | 77 |

FILE TYPE 191 - METEOROLOGY AND WAVE SPECTRA - 12/7/79 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS USED TO REPORT METEOROLOGICAL DATA AND OCEAN WAVE SPECTRA DATA FROM NDBO. THE FORMAT CONTAINS FIVE DATA RECORD TYPES TO:

1) IDENTIFY THE BUOY FOR POSITION, DURATION, RATE OF SAMPLING AND HEADING,
2) IDENTIFY THE METEOROLOGICAL PARAMETERS (TEMPERATURE, PRESSURE, WEATHER, SOLAR RADIATION, AND SURFACE WAVES), AND 3) REPORT TIME SERIES FREQUENCY, DENSITY AND RESOLUTION OF WAVES.

EACH RECORD IS 120 CHARACTERS IN LENGTH, SORTED BY STATION AND RECORD TYPE.

*****NOTE*****

THIS FORMAT REPLACES FILE TYPE 091.

*****NOTE*****

| PARAMETER | DESCRIPTION | SC |
|---------------------------|---------------------------------------------------------------------------------------------------------|-----|
| DESCRIPTIVE HEADER RECORD | ALWAYS '1' | 10 |
| STATION | SIX-CHARACTER UNIQUE NAME OF OBSERVATION POINT | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| LATITUDE | DDMMSS PLUS HEMISPHERE 'N' OR 'S' | 27 |
| LONGITUDE | DDMMSS PLUS HEMISPHERE 'E' OR 'W' | 34 |
| BOTTOM DEPTH | XXXX - METERS TO TENTHS | 42 |
| MAGNETIC VARIATION | XXXX - WHOLE DEGREES FROM TRUE NORTH (SIGNED VALUE) | 47 |
| BUOY HEADING | XXX - WHOLE DEGREES FROM TRUE NORTH | 51 |
| SAMPLING RATE | XXXX - ORIGINAL MEASUREMENTS PER MINUTE, TO TENTHS | 54 |
| SAMPLING DURATION | XXXX - MINUTES TO HUNDREDTHS | 58 |
| TOTAL INTERVALS | XXX - NUMBER OF FREQUENCY INTERVALS | 62 |
| CHIEF SCIENTIST | 20-CHARACTER FIELD FOR SCIENTIST NAME | 65 |
| INSTITUTION | 20-CHARACTER FIELD FOR DATA SOURCE | 85 |
| WIND SAMPLING DURATION | XXX - MINUTES TO TENTHS | 105 |
| COMMENTS | 16-CHARACTER FIELD | 108 |
| ENVIRONMENTAL DATA RECORD | ALWAYS '2' | 10 |
| STATION | SEE RECORD '1' | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| ALTITUDE | XXX - METEOROLOGY (METERS TO TENTHS) | 27 |
| AIR TEMPERATURE | XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS | 30 |
| DEW POINT | XXXX - DEGREES C TO TENTHS | 34 |
| BAROMETER | XXXXX - REDUCED TO SEA LEVEL (MB TO TENTHS) | 38 |
| WIND SPEED | XXXX - M/SEC TO HUNDREDTHS | 43 |
| WIND DIRECTION | XXXX - DEGREES FROM TRUE NORTH TO TENTHS | 47 |
| WEATHER | ONE-CHARACTER CODE - USE CODE 0108 | 51 |
| VISIBILITY | XXX - NAUTICAL MILES TO TENTHS | 52 |
| PRECIPITATION | XXXX - ACCUMULATION IN MILLIMETERS | 55 |
| SOLAR RADIATION | XXX - LANGLEYS/MIN TO HUNDREDTHS, WAVE LENGTH LESS THAN 3.6 MICRONS | 59 |
| SOLAR RADIATION | XXX - LANGLEYS/MIN TO HUNDREDTHS, WAVE LENGTH 4.0 TO 50 MICRONS | 62 |
| SIGNIFICANT WAVE HEIGHT | XXX - CORRECTED FOR LOW FREQUENCY NOISE (METERS TO TENTHS) | 65 |
| AVERAGE WAVE PERIOD | XXX - SECONDS TO TENTHS | 68 |
| AVERAGE WAVE DIRECTION | XXX - DIRECTION OF PREDOMINANT WAVES IN WHOLE DEGREES FROM TRUE NORTH | 71 |
| HIGHEST CREST | XXX - FROM REFERENCE LEVEL (METERS TO TENTHS) | 74 |
| DEEPEST TROUGH | XXX - FROM REFERENCE LEVEL (METERS TO TENTHS) | 77 |

| | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----|
| TEMPERATURE | XXXX - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS | 80 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 84 |
| CONDUCTIVITY | XXXXX - MILLIMHOS/CM TO THOUSANDTHS | 89 |
| DOMINANT WAVE PERIOD | XXX - SECONDS TO TENTHS | 94 |
| MAXIMUM WAVE HEIGHT | XXX - METERS TO TENTHS | 97 |
| MAXIMUM WAVE STEEPNESS | XXX | 100 |
| WIND GUST | XXXX - METERS/SECOND TO HUNDREDTHS | 103 |
| WIND GUST AVERAGING PD | XX - SECONDS | 107 |
| WIND GUST | XXXX - METERS/SECOND TO HUNDREDTHS | 109 |
| WIND GUST AVERAGING PERIOD | XX - SECONDS | 113 |
| BLANKS | | 115 |
| WAVE SPECTRA DATA RECORD | ALWAYS '3' | 10 |
| STATION | SEE RECORD '1' | 11 |
| OBSERVED DATE (GMT) | YYMMDD | 17 |
| OBSERVED TIME (GMT) | HHMM | 23 |
| INTERVALS PER DIRECTION | XXX - TOTAL NUMBER OF FREQUENCIES IN THIS DIRECTION OR ZERO FOR NON- DIRECTIONAL | 27 |
| DIRECTION | XXXX - DEGREES TO TENTHS FROM TRUE NORTH OR '9999' FOR NON-DIRECTIONAL | 30 |
| COUNT | X - NUMBER OF FREQUENCIES ON THIS RECORD | 34 |
| DATA | UP TO 5 FREQUENCY, RESOLUTION, AND DENSITY FIELDS. NULL FIELDS ARE ZERO OR BLANK | |
| FREQUENCY | XXXX - CENTER FREQUENCY OF INTERVAL IN HERTZ TO THOUSANDTHS | 35 |
| RESOLUTION | XXXX - RESOLUTION OF INTERVAL IN HERTZ TO TEN-THOUSANDTHS | 39 |
| DENSITY | XXXXXX - SPECTRAL DENSITY OF INTERVAL IN M2/HZ TO THOUSANDTHS | 43 |
| FREQUENCY | SEE ABOVE | 49 |
| RESOLUTION | SEE ABOVE | 53 |
| DENSITY | SEE ABOVE | 57 |
| FREQUENCY | SEE ABOVE | 63 |
| RESOLUTION | SEE ABOVE | 67 |
| DENSITY | SEE ABOVE | 71 |
| FREQUENCY | SEE ABOVE | 77 |
| RESOLUTION | SEE ABOVE | 81 |
| DENSITY | SEE ABOVE | 85 |
| FREQUENCY | SEE ABOVE | 91 |
| RESOLUTION | SEE ABOVE | 95 |
| DENSITY | SEE ABOVE | 99 |
| BLANKS | | 105 |

SUBSURFACE TEMPERATURE DATA RECORD ALWAYS '4' 10

STATION SEE RECORD '1' 11

OBSERVED DATE (GMT) YYMMDD 17

OBSERVED TIME HHMM 23

DEPTH* XXXXX - METERS TO TENTHS 27

*THIS FIELD IS REPEATED 9 TIMES STARTING IN COLS 36,45,54,63,72, 81,90,99, AND 108

TEMPERATURE* XXXX - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS 32

*THIS FIELD IS REPEATED 9 TIMES STARTING IN COLS 41,50,59,68,77, 86,99,104, AND 113

BLANKS 117

SUBSURFACE DATA RECORD ALWAYS '5' 10

STATION SEE RECORD '1' 11

OBSERVED DATE (GMT) YYMMDD 17

OBSERVED TIME (GMT) HHMM 23

DEPTH* XXXXX - METERS TO TENTHS 27

*THIS FIELD IS REPEATED 2 TIMES IN COLS 57 AND 87

U COMPONENT* XXXXX - EAST VECTORS IN CM/SECOND TO TENTHS 32

*THIS FIELD IS REPEATED 2 TIMES IN COLS 62 AND 92

V COMPONENT* XXXXX - TRUE NORTH VECTOR IN CM/SECOND TO TENTHS 37

*THIS FIELD IS REPEATED 2 TIMES IN COLS 67 AND 97

PRESSURE* XXXXX - KG/CM2 TO HUNDREDTHS 42

*THIS FIELD IS REPEATED 2 TIMES IN COLS 72 AND 102

CONDUCTIVITY* XXXXX - MILLIOHMS/CM TO THOUSANDTHS 47

*THIS FIELD IS REPEATED 2 TIMES IN COLS 77 AND 107

SALINITY* XXXXX - PARTS PER THOUSAND TO THOUSANDTHS 52

*THIS FIELD IS REPEATED 2 TIMES IN COLS 82 AND 112

BLANKS 117

| Step | Completion Date/Init. | | Tape # or DSN | # of Files | BLKSIZE | LRECL | # RECORDS |
|--------------------------------------|-----------------------|-----|------------------|---------------|---------|-------|-----------|
| OLD QUAD ORIGINATOR TAPE # | 5/14/81 | FJM | 742 | 1 | 4800 | 120 | 1488 |
| QUADI/SCAN TAPE # | | | | | | | |
| ASSIGNED FOR PROCESS. | | | | | | | |
| 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" | | | | | | | |

- ① CONVERTED FROM FT091 TO FT191
- ② FILE ID = TRACK #
- ③ DATA IS ON DISK - MITCH * T4046.

ACCESSION/TRACK NO.:

7900128 TR 4046

| TYPE OF TAPE | TAPE NUMBER | LABEL | LRECL | BLKSIZE | RECFM | REMARKS | # RECORDS |
|-------------------------|-------------|-------|-------|---------|-------|---------|-----------|
| OLD QUANT ORIGINATOR | 742 | NL | 120 | 4800 | FB | | 1488 |
| DUPLICATE | | | | | | | |
| REFORMATTED | | | | | | | |
| FIRST USER | | | | | | | |
| FINAL USER | | | | | | | |
| DISK FILE | DSN | | | | | REMARKS | # RECORDS |
| WORK DISK FILE | | | | | | | |
| EDITED DISK FILE | | | | | | | |

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 7900128

- 1) File Type: 191
2) Project Ident.: BRINE DISPOSAL
3) Track Nos.: TR 4046

I. Error Corrections as reported to Principal Investigator:

| <u>Error</u> | <u>Correction Completed (Check)</u> |
|--------------------------------------------------------------|-------------------------------------|
| COMMENTS IN COL. 105-108 SHIFTED TO 108 & TRUNCATED | ✓ |
| DEPTH TO BOTTOM CORRECTED | ✓ |

II. Additional error corrections:

| <u>Error</u> | <u>Correction Completed (Check)</u> |
|--------------|-------------------------------------|
|--------------|-------------------------------------|

III. Processor Name: _____

RCVD 1/30/79

CEAS Tape #18155

ACCESSION
NUMBER

79-0128

DATA DOCUMENTATION FORM

TR 4048

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

FT 005

(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.

FILE ID = 790120

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 NODC, NSTL STATION, Buoy 39529 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED SPR-Brine Disposal Analysis Prog | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT SD02 120178 | |
| 4. PLATFORM NAME(S) SD02 | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy | 6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR USA USA | 7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 12/1/78 12/31/78 |
| 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) William L. Beach 601-688-2806 | | | |

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 | 700 | Nansen bottles | Inductive salinometer (Hytech model S510) | 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 |
|--------------------|----------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|
| | | | | |

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 |
|---------------------------------|-----------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------|
| Water Temp | °C | YSI | | |
| Current Speed & Direction | cm/sec degrees of arc | { AMF VACU | | |

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

Format 005, mag 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 J. Foreman

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p> | <p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p> |
| <p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>_____</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>_____</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p> |

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.

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

3. BUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☐ FORTRAN ☐ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D 752 - NOAA/EDIS/NODC - 202-634 7505
 ADDRESS WASHINGTON, DC. 202 35

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> | <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> |
| <p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><u>007629 (1,54)</u></p> <p><u>DSN = TR 40 48</u></p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><u>4800</u></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><u>60</u></p> |

| PARAMETER | DESCRIPTION | SC |
|-----------------------|---------------------------------------------------------------------------|----|
| FILE HEADER RECORD | ALWAYS '1' | 10 |
| STATION | FIVE-CHARACTER BUOY STATION IDENTIFIER | 11 |
| SEQUENCE | X: - FILE HEADER NUMBER | 16 |
| TEXT | 44-CHARACTERS FOR OPTIONAL COMMENTS | 17 |
| STATION HEADER RECORD | ALWAYS '2' | 10 |
| STATION | SEE RECORD '1' | 11 |
| LATITUDE | DDMMSS PLUS HEMISPHERE 'N' OR 'S' | 16 |
| LONGITUDE | DDMMSS PLUS HEMISPHERE 'E' OR 'W' | 23 |
| SENSOR DEPTH | XXXX - METERS TO TENTHS | 31 |
| WATER DEPTH | XXXX - METERS TO TENTHS | 35 |
| SENSOR SERIAL NUMBER | FOUR-CHARACTER SERIAL NUMBER | 39 |
| BLANKS | | 43 |
| DATA RECORD | ALWAYS '3' | 10 |
| STATION | SEE RECORD '1' | 11 |
| DATE | YYMMDD OBSERVED | 16 |
| TIME | XXXX - HOURS TO HUNDREDTHS | 22 |
| CURRENT DIRECTION | XXX - WHOLE DEGREES FROM TRUE NORTH | 26 |
| CURRENT SPEED | XXXX - WHOLE CM/SEC | 29 |
| TEMPERATURE | XXX - WATER (DEGREES C TO TENTHS) | 33 |
| PRESSURE | XXXX - WATER (KG/SQ CM TO HUNDREDTHS) | 36 |
| CONDUCTIVITY | XXXX - MILLIMHOS/CM TO HUNDREDTHS | 40 |
| INCLINOMETER ANGLE | XX - METER TILT OFF VERTICAL (WHOLE DEGREES) | 44 |
| WIND DIRECTION | XXX - TRUE DIRECTION FROM WHICH WIND IS BLOWING (IN WHOLE DEGREES) | 46 |
| WIND SPEED | XXXX - CM/SEC | 49 |
| SEA DIRECTION | XXX - TRUE DIRECTION FROM WHICH DOMINANT WAVES ARE COMING (WHOLE DEGREES) | 53 |
| SEA HEIGHT | XXX - DOMINANT WAVES (CM) | 56 |
| SEA PERIOD | XX - DOMINANT WAVES (SECONDS) | 59 |

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 _____ <small>(e.g., bits, bytes)</small> | 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 | | |
| | | | | | |

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 | | |
| | | | | | |

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 CALI- BRATED (✓) |
|--------------------------------------|-----------------------------|------------------------------|--------------------------------------|----------------------------------------|----------------------------------|-----------------------------------|--------------------------------|----------------------------|-------------------------------------------------------|
| | | YOUR ORGANIZATION (✓) | OTHER ORGANIZATION (GIVE NAME) | AT FIXED INTERVALS (✓) | BEFORE OR AFTER USE (✓) | BEFORE AND AFTER USE (✓) | ONLY AFTER REPAIR (✓) | ONLY WHEN NEW (✓) | |
| | | | | | | | | | |
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| | | | | | | | | | |

Data Set Route Sheet

Accession # 79-0128

TR4048

| Step | Completion Date/Init. | Tape #, # of Files | BLKSIZE, | LRECL |
|-------------------------------------|--------------------------------|--------------------|----------|---------|
| 1. Originator Tape # | 3/10/79 1/30/79 FJM | B18155 | 1 | 60 60 |
| 2. QUAD Duplicate Tape # | 4/6/79 FJM | 10989 | 1 | 4800 60 |
| 3. DDF Evaluation | | | | |
| 4. Quality Review | | | | |
| 5. Preliminary Data Sort | | | | |
| 6. Preliminary Check | 5/25/79 | 10989 | 1 | 4800 60 |
| 7. First User Tape # | 8/31/79 CES | 7629 | 1 | 4800 60 |
| 8. Final User Tape # | 10/79 CES | | | |
| 9. Final Check | 10/79 | | | |
| 10. NAPIS Inventory | 10/79 | | | |
| 11. DIP Inventory | 10/22/79 CES | 7629 | 1 | 4800 60 |
| 12. Data Set 'Finalized' | | | | |

NOTE:

NODC COPY OF
 ORIGINATOR'S DATA;
 5880 LABEL=(12,SL)
 DSN=BRINE.FILET005
 60 X 4800

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| 005-67 | | 44 288 |
| #2 013929 | ANSI | |
| 382 | | 372(C4219) |
| 60/4800, DSN=FOOS | #1 000902-UNIVAC | |
| | 001561 SDF-BACKUP | |
| | NJDCXFOOSB. | |
| TR 4036, 4039-4040, 4042, 4045, 4048, 4064, 4066 4117-4119, 4186-4187, 4331-4399, 4401-4416, 4426-4438, 4463-4468, 4532-4535, 4538-4539, 4563, 4797-4810, 4817-4935, 4975-5005 | | |
| | | 434396 |

accession no: 79-0128
 Buine Memorial Pym.

NSDCHEK *** NON-STANDARD DATA FIELD CHECKING PROGRAM
THIS IS 01/11/79 VERSION WITH FULL CODE CHECKING

USER'S INPUT REQUESTS FOLLOW:
LRECL HAS BEEN SPECIFIED AS 60
STATION HEADER RECORD SPECIFIED AS 2
RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 123
STATION STARTS IN POSITION 11 FOR 5 BYTES
STATION WILL APPEAR ON RECORD TYPES : 123
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILETYPE IS 005

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

005TR40481SDFM21 \$ADEMS 2 CURRENT DATA

??????

FIRST FILE ID

005TR40481SDFM21 \$ADEMS 2 CURRENT DATA

??????

STATION NUMBER HAS CHANGED WITHOUT A MASTER

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/N=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NL CHECKING

| TYPE | REC | PDS | LENGTH | NAME | RANGE TESTED LOW HIGH | ACTUAL RANGE LOWEST HIGHEST | MEAN | S. DEV | COUNT | FP | FP-1 | >-1 |
|------|-----|-----|--------|---------------------------------|--------------------------|--------------------------------|------------------------------------|--------|-------|-----|------|-----|
| Z | 1 | 11 | 5 | METER NUMBER | | | | | 4 | | | |
| N | 1 | 16 | 1 | SEQUENCE | NO RANGE CHECKING | 1 4 | 2.50 | 1.11 | 4 | 4 | 0 | 0 |
| Z | 2 | 11 | 5 | METER NUMBER | | | | | 1 | | | |
| M | 2 | 16 | 2 | LAT DEG | 0 | 89 28 28 | 28.00 | 00 | 1 | 1 | 0 | 0 |
| M | 2 | 18 | 2 | LAT MIN | 0 | 59 47 47 | 47.00 | 00 | 1 | 1 | 0 | 0 |
| N | 2 | 20 | 2 | LAT SEC | 0 | 59 40 40 | 40.00 | 00 | 1 | 1 | 0 | 0 |
| C | 2 | 22 | 1 | 0500LAT HEM | | | | | 1 | | | |
| M | 2 | 23 | 3 | LON DEG | 0 | 179 95 95 | 95.00 | 00 | 1 | 1 | 0 | 0 |
| M | 2 | 26 | 2 | LON MIN | 0 | 59 19 19 | 19.00 | 00 | 1 | 1 | 0 | 0 |
| N | 2 | 28 | 2 | LON SEC | 0 | 59 20 20 | 20.00 | 00 | 1 | 1 | 0 | 0 |
| C | 2 | 30 | 1 | 0501LON HEM | | | | | 1 | | | |
| N | 2 | 31 | 4 | SENSOR DEPTH METERS TO .1 | 10 | 9999 18 18 | 18.00 | 00 | 1 | 1 | 0 | 0 |
| N | 2 | 35 | 4 | WATER DEPTH METERS TO .1 | 100 | 9999 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| Z | 2 | 39 | 4 | SENSOR SERIAL NUMBER | | | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| B | 2 | 43 | 18 | | | | | | 1 | | | |
| Z | 3 | 11 | 5 | METER NUMBER | | | | | 744 | | | |
| M | 3 | 16 | 2 | YEAR | NO RANGE CHECKING | 78 78 | 78.00 | 00 | 744 | 744 | 0 | 0 |
| M | 3 | 18 | 2 | MONTH | 1 | 12 12 | 12.00 | 00 | 744 | 744 | 0 | 0 |
| M | 3 | 20 | 2 | DAY | 1 | 31 1 31 | 10.00 | 8.94 | 744 | 744 | 0 | 0 |
| M | 3 | 22 | 4 | HOUR TO .01 | 0 | 2399 0 2300 | 1150.00 | 692.21 | 744 | 744 | 0 | 0 |
| N | 3 | 26 | 3 | DIRECTION-WHOLE DEG FROM T NRTH | 0 | 359 0 359 | 194.34 | 94.36 | 723 | 723 | 0 | 0 |
| N | 3 | 29 | 4 | CURRENT VELOCITY WHOLE CM/SEC | 0 | 5000 2 48 | 14.69 | 8.08 | 723 | 723 | 0 | 0 |
| N | 3 | 33 | 3 | TEMP DEG C TO .1 | -20 | 310 149 210 | 178.97 | 17.50 | 722 | 722 | 0 | 0 |
| N | 3 | 36 | 4 | PRESSURE KG/SQ CM TO .01 | 10 | 9999 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 40 | 4 | CONDUCTIVITY MMHOS/CM TO .01 | 1500 | 5500 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 44 | 2 | INCLINOMETER TILT WHOLE DEG | 0 | 18 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 46 | 3 | WIND DIREC-TRUE DIREC WHOLE DEG | 0 | 359 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 49 | 4 | WIND SPEED CM/SEC | 0 | 3200 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| V | 3 | 53 | 3 | SEA DIREC TRUE DIREC | 0 | 359 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 56 | 3 | SEA HEIGHT DOMINANT WAVES CM | 0 | 900 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |
| N | 3 | 59 | 2 | SEA PERIOD OF DOM WAVES IN SEC | 1 | 99 | NO VALUES FOUND FOR THIS PARAMETER | | | | | |

Password:

| accNo | fleA | refNo | proj | inst | ship | startDate | cruise | catId |
|---------|------|--------|------|------|------|------------|--------|--------|
| 7900128 | F191 | TR4044 | 0093 | 313B | 317F | 1978/12/01 | 790120 | 309141 |
| 7900128 | F005 | TR4045 | 0093 | 3124 | 317F | 1978/06/28 | 781215 | 309142 |
| 7900128 | F191 | TR4046 | 0093 | 313B | 317F | 1978/08/01 | 781001 | 309143 |
| 7900128 | F191 | TR4047 | 0093 | 313B | 317F | 1978/09/01 | 790115 | 309144 |
| 7900128 | F005 | TR4048 | 0093 | 313B | 317F | 1978/12/01 | 790120 | 309145 |

(5 rows affected)

Password:

| accNo | fleA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---------|-------|--------|-------|--------|--------|-----------|----------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 7900128 | F191 | TR4044 | 317F | 1 | 745 | 78/12/01 | 78/12/01 |
| 7900128 | F005 | TR4045 | 317F | 4 | 3316 | 78/06/28 | 78/09/05 |
| 7900128 | F191 | TR4046 | 317F | 1 | 745 | 78/08/01 | 78/08/01 |
| 7900128 | F191 | TR4047 | 317F | 1 | 721 | 78/09/01 | 78/09/01 |
| 7900128 | F005 | TR4048 | 317F | 1 | 749 | 78/12/01 | 78/12/31 |

(5 rows affected)