

RCVD: 7/28/80

ACCESSION
NUMBER

80-0424

BLM/OCS-SO. ATLANTIC / 82NODC198

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

OCEAN SERIAL STATIONS

ORIGINATOR'S TAPE = SP0075/9TRK 1600 EBCDIC NL 80X3200

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 1

108 STATIONS

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 | | | |
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| Bureau of Land Management South Atlantic Bight Project | | IC-002 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| R/V COLUMBUS ISELIN | Ship | U.S.A. | U.S.A. |
| | | FROM: MO/DAY/YR | TO: MO/DAY/YR |
| | | 10/27/79 | 11/2/79 |
| 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 checked="" type="checkbox"/> NO <input 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) Dr. Larry P. Atkinson (912) 356-2471 | | | |

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 | o/oo | Rosette Niskin Bottle Plessey Model 9400 CTD | Plessey Model 6230N Lab Salinometer N/A | N/A Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle Plessey Model 9400 CTD | N/A N/A | N/A Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
 Fixed Length Blocks - 3200 chars.
 Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA 31

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE

☐ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS
(CHANNELS)

☐ SEVEN
☒ NINE
☐ _____

7. PARITY

☐ ODD
☒ EVEN

8. DENSITY

☐ 300 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 800 BPI
☐ _____

9. LENGTH OF INTER-
RECORD GAP (IF KNOWN) ☒ 3/4 INCH
☐ _____

10. END OF FILE MARK

☐ OCTAL 17
☒ Tape Mark

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
ORIGINATOR NAME AND SOME KEY SPECIFICATIONS
OF DATA TYPE, VOLUME NUMBER)

SP0075
 File 1

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

8 bit bytes

GENERAL REMARKS

(NODC Submitted Data)

ISELIN Cruise 002 (October, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

RECORD FORMAT DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 14. FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., 10, 10, 10) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|---|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10, (F3.1)) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| CT | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record: Depths and Samples.

| 12. FIELD NAME | 13. POSITION FROM - 1 MEASURED IN bytes (e.g., 28, 4, 10) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|--------------------------------|---|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| O ₂ (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| PO ₄ -P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| NO ₃ -N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| SiO ₃ -Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| CT | 80 | 1 | | Num | Type of record |

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 (✓) | |
| Plessey, Inc. Sensors | (Factory) | | | | | | | | |
| Temperature Model 4500 Serial #720 | 3/22/76 | | Plessey | | X | | | | |
| Temperature Model 4500 Serial #737 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #817 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #837 | 8/29/77 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #615 | 7/12/78 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #660 | 8/26/77 | | Plessey | | X | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

***** Record 12240 in INVENTORY *****

014507

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86

REFERENCE NUMBER: 068644

ACCESSION NUMBER: 8000424

FORMER REFERENCE NUMBER: _____

FORMER ACCESSION NUMBER: _____

(RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape

DINDB CODE 09

EXCHANGE (FORMAT): E005 - Universal Bathythermograph (Expendible)

PROCESSING (FORMAT): C116 - Universal Bathythermograph (UBT) for XBT

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125

PLATFORM (COUNTRY AND PLATFORM CODES): 32IC

PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: IC-002

CRUISE START DATE: 10/30/79

CRUISE END DATE: 11/02/79

Press PgDn

PROJECT CODE: 0094

DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 53

NUMBER OF RECORDS: 53

If STA/REC counts are not appropriate then enter -

NUMBER: _____

UNITS: _____

AN AREA

CODE 1: 23L

MEANING: Mid-Atlantic Bight

CODE 2: _____

MEANING: _____

CODE 3: _____

MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

014508

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86REFERENCE NUMBER: 068645 ACCESSION NUMBER: 8000424
FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)-----
INVENTORYMEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E005 - Universal Bathythermograph (Expendible)
PROCESSING (FORMAT): C116 - Universal Bathythermograph (UBT) for XBT

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125
PLATFORM (COUNTRY AND PLATFORM CODES): 31PP
PLATFORM TYPE: 9 - Ship DINDB CODE 09ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: 001
CRUISE START DATE: 03/14/79 CRUISE END DATE: 03/17/79 Press PgDn
PROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 13 NUMBER OF RECORDS: 13

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AN AREACODE 1: 23L MEANING: Mid-Atlantic Bight
CODE 2: _____ MEANING: _____
CODE 3: _____ MEANING: _____-----
DINDB TRACK TRANSACTION GENERATED: / /

ACCESSION NO. 8000424

FILETYPE ~~8116~~
C116

TRACK NO. _____

PROJECT IDENTIFICATION BLA

| STEP | DATE | INIT. | TAPE OR DISK DSN | NO. FILES | NO. LRECL | NO. BLK SIZE | NO. RECORDS |
|--------------------|----------|-------|---------------------|--------------|--------------|-----------------|----------------|
| ORIG. TAPE | 7/22/86 | MRL. | A00265/SP0075 | 4 | 80 | 3200 | |
| DUPLICATE TAPE | 7/29/86 | MRL | W03625 * | 4 | 80 | 3200 | |
| REFORMATTED TAPE | 10/28/86 | RPS | W13414 ** | 1 | VB | VB | 66 |
| REFORMATTED DISK | | .5 | | | | | |
| FIRST MULCHEK | | | | | | | |
| FINAL MULCHEK | | | | | | | |
| MPD75 OR F022 | | | | | | | |
| DATA SET FINALIZED | | | | | | | |

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* DSN = DNODCX 8000424-01.

** DSN = DNODCX SKIDOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ADP FACILITIES REQUEST FORM

| | | | | | |
|---|----------------------------|-----------------------------------|---------------------------------|-------------------------|-------|
| USER NAME MARY R. LEWIS | PHONE # 634/7505 | ORG/TASK # EG12008N3B39 | DATE SUBMITTED 7/2/86 | DATE DUE ASAP | BIN # |
| EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED | | | | | |

Copy

| | |
|--|---|
| INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY) | OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY) |
|--|---|

TAPE/DISKETTE INFORMATION

| | TAPE #/ DISKETTE | SLOT # | TRK | DENSITY | PARITY | LABEL TYPE | RECORD TYPE | RECORD LENGTH | MAX. BLOCK SIZE | # OF FILES |
|--------|---------------------|------------------|--|---------|--------|---------------|---|------------------|--------------------|------------------------------|
| INPUT | SP4475 | 1 | 9 | 1600 | ODD | ALL | FB | 80 | 3200 | 4 |
| | SECTOR SIZE | EXCHANGE TYPE | CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY) | | | | DATA SET NAME | | | PURGE DATE |
| | TAPE #/ DISKETTE | SLOT # | TRK | DENSITY | PARITY | LABEL TYPE | RECORD TYPE | RECORD LENGTH | MAX. BLOCK SIZE | # OF FILES |
| | SECTOR SIZE | EXCHANGE TYPE | CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY) | | | | DATA SET NAME | | | PURGE DATE |
| OUTPUT | W03625 | | 9 | 1600 | ODD | SL | FB | 80 | 3200 | 4 |
| | SECTOR SIZE | EXCHANGE TYPE | CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY) | | | | DATA SET NAME DNDC*8000424-01 | | | PURGE DATE 2047 |
| | TAPE #/ DISKETTE | SLOT # | TRK | DENSITY | PARITY | LABEL TYPE | RECORD TYPE | RECORD LENGTH | MAX. BLOCK SIZE | # OF FILES |
| | SECTOR SIZE | EXCHANGE TYPE | CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY) | | | | DATA SET NAME | | | PURGE DATE |

SPECIAL INSTRUCTIONS

SEND to AS Heville

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

| JOB # | DATE JOB COMPLETED | START TIME | END TIME | PRIORITY | DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED |
|------------------|-----------------------|---------------|--------------|----------|--|
| SLC 22104 | 07/29/86 | 08:55 | 09:15 | | Completed by Hand. |

COMMENTS

RCVD: 28 July 80

312H

82 NODC 198

July 25, 1980

SP075

Dr. Francis J. Mitchell
Physical Scientist
NOAA/NODC D781
3300 Whitehaven Street, NW
Washington, DC 20235

ACC: 8000424

TAPE: A00265

Dear Dr. Mitchell:

The enclosed magnetic tape and data documentation forms are submitted in partial fulfillment of our contract No. AA551-CT8-52 with BLM. The data on this tape are described in the following table:

| <u>Cruise Date</u> | <u>Tape File Number</u> |
|--------------------|-------------------------|
| October 1979 | 1 |
| March 1979 | 2 |
| May 1979 | 3 |
| August 1979 | 4 |

Once the tape has been processed, please send a copy of your cruise archive deck to:

William Chandler
Skidaway Institute of Oceanography
P.O. Box 13687
Savannah, GA 31406

The preferred tape format is 9-track, density 1600 bpi, block length = 3200, record length = 80, BCD and unlabeled.

Should you have any question concerning this submission, please do not hesitate to contact us.

Sincerely,

Evans Waddell
Evans Waddell
Program Manager

cc: E. Wood, BLM
C. Day, BLM
D. James, SAI

INSTITUTE CODE = 2H SAI-RALEIGH

PROJECT CODE = 0094
BLM/OCS SOUTH ATLANTIC

Science Applications, Inc. 4900 Water's Edge Drive, Suite 255, Raleigh, N.C. 27606 (919) 851-8356

Other SAI Offices: Albuquerque, Ann Arbor, Atlanta, Boulder, Huntsville, La Jolla(Corp.), Los Angeles, McLean, Oak Ridge, Palo Alto, Seattle, Tucson

RCVD: 7/28/80

82NODC 198

ACCESSION
NUMBER

DATA DOCUMENTATION FORM

BLM/OCS - So. ATLANTIC

NOAA FORM 24-13
(4-73)

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

FORM APPROV
O.M.B. No. 41-

LEAN SERIAL STATIONS

ORIGINATOR'S TAPE = SP0075

9 TRK 1600 bpl. NL

80X32

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 2

56 STATIONS

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 | | | |
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| Bureau of Land Management South Atlantic Bight Project | | PIERCE 001 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| G.W. PIERCE | Ship | PLATFORM OPERATOR | FROM: MO/DAY/YR TO: MO/DAY/YR |
| | | U.S.A. U.S.A. | 3/14/79 3/19/79 |
| 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 checked="" type="checkbox"/> NO <input 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) | | | |
| Dr. L.P. Atkinson (912) 356-2471 | | | |

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 | o/oo | Rosette Niskin Bottle Plessey Model 9400 CTD | Plessey Model 6230N Lab Salinometer N/A | N/A Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle Plessey Model 9400 CTD | N/A N/A | N/A Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
Fixed Length Blocks - 3200 chars.
Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459

ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE

☐ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)

☐ SEVEN
☒ NINE
☐ _____

7. PARITY

☐ ODD
☒ EVEN

8. DENSITY

☐ 200 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 1000 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN)

☒ 3/4 INCH
☐ _____

10. END OF FILE MARK

☐ OCTAL 17
☒ Tape Mark

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICAT OF DATA TYPE, VOLUME NUMBER)

SP0075
File 2

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

8 bit bytes

GENERAL REMARKS

(NODC Submitted Data)

PIERCE Cruise 001 (March, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

RECORD FORMAT DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 1. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., 310, 4 bytes) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|--|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Box Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| Type | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

ORD NAME Data Record: Depths and Samples

| FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., 30, 47-50) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|---------------------------|--|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| Chl (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| P ₄ (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| N ₃ (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| Si ₃ (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| | 80 | 1 | | Num | Type of record |

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.

[illegible]

ECVD: 7/28/80

82NODC198

ACCESSION
NUMBER

DATA DOCUMENTATION FORM

BLM/OCS - So. ATLANTIC

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 APPROV
O.M.B. No. 41

EA SERIAL STATIONS

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 3

52 STATIONS

711 1600 hpl

80X 311

ORIGINAL TAP - SPOO 75

ERODIC NL

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 | | | |
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| Bureau of Land Management South Atlantic Bight Project | | PIERCE 002 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| G.W. PIERCE | Ship | U.S.A. U.S.A. | FROM: MO/PAY/YR TO: MO/DA |
| | | | 5/28/79 6/2/80 |
| 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 checked="" type="checkbox"/> NO <input 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) Dr. L.P. Atkinson (912) 356-2471 | | | |

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 | ‰ | Rosette Niskin Bottle Plessey Model 9400 CTD | Plessey Model 6230N Lab Salinometer N/A | N/A Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle Plessey Model 9400 CTD | N/A N/A | N/A Offset for reversing thermometer calibration applied. |
| SiO ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| NO ₃ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
Fixed Length Blocks - 3200 chars.
Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

ATTRIBUTES AS EXPRESSED IN

☐ PL-1

☐ ALGOL

☐ COBOL

☒ FORTRAN

☐

LANGUAGE

3. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459

ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE

☐ BCD

☐ BINARY

☐ ASCII

☒ EBCDIC

☐

6. NUMBER OF TRACKS
(CHANNELS)

☐ SEVEN

☒ NINE

☐

7. PARITY

☐ ODD

☒ EVEN

8. DENSITY

☐ 200 BPI ☒ 1600 BPI

☐ 556 BPI

☐ 800 BPI

9. LENGTH OF INTER-
RECORD GAP (IF KNOWN)

☒ 3/4 INCH

☐

10. END OF FILE MARK

☐ OCTAL 17

☒ Tape Mark

11. PASTE-ON PAPER LABEL DESCRIPTION (INCLUDE
ORIGINATOR NAME AND SOME LAY SPECIFICATION
OF DATA TYPE, VOLUME NUMBER)

SP0075

File 3

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

GENERAL REMARKS

(NODC Submitted Data)

PIERCE Cruise 002 (May, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

RECORD FORMAT DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 1. FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g. 5th, bytes) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|---|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| Type of Record | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

ORD NAME Data Record: Depths and Samples

| FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., b10, b71-5) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|--------------|---|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| Chl (mg/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| | 80 | 1 | | Num | Type of record |

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.

[illegible]

REV: 7/28/80

ACCESSION
NUMBER

BLM/OCS - SO. ATLANTIC

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 APPROV
O.M.B. No. 41-

OCEAN SERIAL STATIONS

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 4 53 stations

ORIGINATOR'S TAPE = SP0075 9TRK 1600 bpl NL

A. ORIGINATOR IDENTIFICATION

EBCDIC

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 | | | | | | | | | | |
|---|---|---|-----------------|----------|-------------------|-----------------|--------|--------|---------|---------|
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | | | | | | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | | | | | | | | |
| Bureau of Land Management South Atlantic Bight Project | | PIERCE 003 | | | | | | | | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES | | | | | | | |
| G.W. PIERCE | Ship | <table border="1"> <tr> <th>PLATFORM</th> <th>OPERATOR</th> <th>FROM: MO, DAY, YR</th> <th>TO: MO, DAY, YR</th> </tr> <tr> <td>U.S.A.</td> <td>U.S.A.</td> <td>8/22/79</td> <td>8/27/79</td> </tr> </table> | PLATFORM | OPERATOR | FROM: MO, DAY, YR | TO: MO, DAY, YR | U.S.A. | U.S.A. | 8/22/79 | 8/27/79 |
| PLATFORM | OPERATOR | FROM: MO, DAY, YR | TO: MO, DAY, YR | | | | | | | |
| U.S.A. | U.S.A. | 8/22/79 | 8/27/79 | | | | | | | |
| 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 (ONP)? (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) | | GENERAL AREA | | | | | | | | |
| 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. Larry P. Atkinson (912) 356-2471 | | | | | | | | | | |

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 | o/oo | Rosette Niskin Bottle Plessey Model 9400 CTD | Plessey Model 6230N Lab Salinometer N/A | N/A Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle Plessey Model 9400 CTD | N/A N/A | N/A Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
Fixed Length Blocks - 3200 chars.
Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

ATTRIBUTES AS EXPRESSED IN

☐ PL-1

☐ ALGOL

☐ COBOL

☒ FORTRAN

☐

LANGUAGE

3. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER: Bill Chandler (912)356-2459

ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE

☐ BCD

☐ BINARY

☐ ASCII

☒ EBCDIC

☐

6. NUMBER OF TRACKS
(CHANNELS)

☐ SEVEN

☒ NINE

☐

7. PARITY

☐ ODD

☒ EVEN

8. DENSITY

☐ 200 DPI

☒ 1600 DPI

☐ 556 DPI

☐ 800 DPI

☐

9. LENGTH OF INTER-
RECORD GAP (IF KNOWN)

☒ 3/4 INCH.

☐

10. END OF FILE MARK

☐ OCTAL 17

☒ Tape Mark

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
ORIGINATOR NAME AND SOME LAY SPECIFICATION
OF DATA TYPE, VOLUME NUMBER)

SP0075

File 4

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

24 bit bytes

GENERAL REMARKS

(NODC Submitted Data)

PIERCE Cruise 003 (August, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

RECORD FORMAT DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 4. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., 10, 10, 10) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|--|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea- State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| Type of Record | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

ORD NAME Data Record: Depths and Samples

| FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., 500, 6700) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|------------------------------|--|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| pth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| mp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| linity (°/00) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| ₄ -P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| ₃ -N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| O ₃ -Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| | 80 | 1 | | Num | Type of record |

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.

[illegible]

8000424

Corrections: FO22TT6290-93

- ① File IDs cols 4-9 corrected to TT6290-TT6293.
- ② Some excessively high (over 1300F) temperature values removed. See 1st check run
- ③ ***** values removed from data,

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo *f.m.*
DATE: NOVEMBER 21, 1986
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVES BRANCH (E/OC11)

C/STD [C022/F022]

ACC: 8000424 REF: TT6290-3
~~329502~~ 329502;
319673-5

202 STATIONS 4479 RECORDS

MMS/OCS - SO. ATLANTIC

DATA PROCESSING BRANCH (E/OC12) XBT's

cc: E/OC1 - I. Perlroth

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo *f.m.*

DATE: NOVEMBER 21, 1986

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVES BRANCH (E/OC11)

C/STD [C022/F022]

B ACC: 8000424 REF: TT6290-3
~~329502~~ 329502;
319673-5

202 STATIONS 4479 RECORDS

MMS/OCS - So. ATLANTIC

DATA PROCESSING BRANCH (E/OC12) XBT's

F022. TT6290 - run a check run

A

B
cc: E/OC1 - I. Perlroth

***** Record 12242 in INVENTORY *****

014509

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86

REFERENCE NUMBER: TT6290 ACCESSION NUMBER: B000424
FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E018 - STD/CTD (F022)
PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125
PLATFORM (COUNTRY AND PLATFORM CODES): 32IC
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: IC-002
CRUISE START DATE: 10/27/79 CRUISE END DATE: 11/02/79 Press PgDn
PROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continue

VOLUME - NUMBER OF STATIONS: 55 NUMBER OF RECORDS: 1,480

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AN AREA

CODE 1: 23L MEANING: Mid-Atlantic Bight
CODE 2: _____ MEANING: _____
CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

***** Record 12244 in INVENTORY *****

014511

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86

REFERENCE NUMBER: TT6291

ACCESSION NUMBER: 8000424

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

INVENTORY

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

EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125

PLATFORM (COUNTRY AND PLATFORM CODES): 31PP

PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: 001

CRUISE START DATE: 03/14/79 CRUISE END DATE: 03/19/79 Press PgDn

PROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continue

VOLUME - NUMBER OF STATIONS: 33 NUMBER OF RECORDS: 938

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

OCEAN AREA

CODE 1: 23L MEANING: Mid-Atlantic Bight

CODE 2: _____ MEANING: _____

CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

***** Record 12246 in INVENTORY *****

014513

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86

REFERENCE NUMBER: TT6292

ACCESSION NUMBER: 8000424

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

INVENTORY

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

EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125

PLATFORM (COUNTRY AND PLATFORM CODES): 31PP

PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____

ORIGINATORS CRUISE ID: 002

CRUISE START DATE: 05/28/79

CRUISE END DATE: 06/02/79

Press PgDn

PROJECT CODE: 0094

DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 62 NUMBER OF RECORDS: 947

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AN AREA

CODE 1: 23L

MEANING: Mid-Atlantic Bight

CODE 2: _____

MEANING: _____

CODE 3: _____

MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

***** Record 12248 in INVENTORY *****

014515

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86

REFERENCE NUMBER: TT6293 ACCESSION NUMBER: 8000424
FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E018 - STD/CTD (F022)
PROCESSING (FORMAT): F022 - CTD/STD

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125
PLATFORM (COUNTRY AND PLATFORM CODES): 31PP
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: 003
CRUISE START DATE: 08/22/79 CRUISE END DATE: 08/27/79 Press PgDn
PROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continue

VOLUME - NUMBER OF STATIONS: 52 NUMBER OF RECORDS: 1,114

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AN AREA

CODE 1: 23L MEANING: Mid-Atlantic Bight
CODE 2: _____ MEANING: _____
CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

ACCESSION NO. 8000424 FILETYPE F022/0022 TRACK NO. TT6290-3

PROJECT
IDENTIFICATION

MMS/OCS - So. ATLANTA

| STEP | DATE | INIT. | TAPE OR DISK DSN | NO. FILES | LRCL | BLK | SIZE | NO. RECORDS |
|--------------------|----------|-------|---------------------|--------------|------|------|------|----------------|
| ORIG. TAPE | 7/22/86 | MRL | A00265/SP0075 | 4 | 80 | 3200 | | |
| DUPLICATE TAPE | 7/29/86 | ↓ | W03625 * | ↓ | ↓ | ↓ | | |
| REFORMATTED TAPE | | | | | | | | |
| REFORMATTED DISK | 10/28/86 | RPS | DN0DC*SKIDCP2. | 1 | 120 | 324 | | 4479 |
| FIRST MULCHEK | | | deleted | | | | | |
| FINAL MULCHEK | | | | | | | | |
| MPD75 OR F022 | | | | | | | | |
| DATA SET FINALIZED | | | | | | | | |

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

*DSN = DN0DC*8000424-01.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

RECD: 7/28/80

82 NODC 198

ACCESSION
NUMBER

8000424

BLM/OCS - So. ATLANTIC

DATA DOCUMENTATION FORM

TAPE A00265

NOAA FORM 24-13
(4-73)

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

FORM APPROV
O.M.B. No. 41-

OCEAN SERIAL STATIONS

ORIGINATOR'S TAPE: SPO075/9TRK 1600 EBCDIC NL 80X3200

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 1

108 STATIONS

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 | | | | | | | | | | |
|---|---|--|---------------|----------|-----------------|---------------|--------|--------|----------|---------|
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | | | | | | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | | | | | | | | |
| Bureau of Land Management South Atlantic Bight Project | | IC-002 | | | | | | | | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES | | | | | | | |
| R/V COLUMBUS ISELIN | Ship | <table border="1"> <tr> <th>PLATFORM</th> <th>OPERATOR</th> <th>FROM: MO/DAY/YR</th> <th>TO: MO/DAY/YR</th> </tr> <tr> <td>U.S.A.</td> <td>U.S.A.</td> <td>10/27/79</td> <td>11/2/79</td> </tr> </table> | PLATFORM | OPERATOR | FROM: MO/DAY/YR | TO: MO/DAY/YR | U.S.A. | U.S.A. | 10/27/79 | 11/2/79 |
| PLATFORM | OPERATOR | FROM: MO/DAY/YR | TO: MO/DAY/YR | | | | | | | |
| U.S.A. | U.S.A. | 10/27/79 | 11/2/79 | | | | | | | |
| 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 checked="" type="checkbox"/> NO <input 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) | | | | | | | | | | |
| Dr. Larry P. Atkinson (912) 356-2471 | | | | | | | | | | |

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 | o/oo | Rosette Niskin Bottle Plessey Model 9400 CTD | Plessey Model 6230N Lab Salinometer N/A | N/A Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle Plessey Model 9400 CTD | N/A N/A | N/A Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
Fixed Length Blocks - 3200 chars.
Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459

ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE

☐ BCD ☐ BINARY
☐ ASCII ☒ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)

☐ SEVEN
☒ NINE
☐ _____

7. PARITY

☐ ODD
☒ EVEN

8. DENSITY

☐ 200 BPI ☒ 1600 BPI
☐ 356 BPI
☐ 600 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN)

☒ 3/4 INCH
☐ _____

10. END OF FILE MARK

☐ OCTAL 17
☒ Tape Mark

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER)

SP0075
File 1

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

26,880 bits

GENERAL REMARKS

(NODC Submitted Data)

ISELIN Cruise 002 (October, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$).

RECORD FORMAT DESCRIPTION

CORD NAME Master Record: Info About a Station

| FIELD NAME | 15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., 2hr, bytes) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|---|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Max Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WHO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C. (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WHO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| ST | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

RP NAME Data Record: Depths and Samples

| FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., 300, 47-0) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|--------------------------------|--|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| PO ₄ -P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| NO ₃ -N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| SiO ₂ -Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| | 80 | 1 | | Num | Type of record |

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.

[illegible]

RCVD: 7/28/80

82NODC198

ACCESSION
NUMBER

80-0424

DATA DOCUMENTATION FORM

PLM/OCS - So. ATLANTIC
OCEAN SERIAL STATIONSNOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

EDCDIC

ORIGINATOR'S TAPE = SP0075 9TRK 1600 bPL. NL 80X3200

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 2

56 STATIONS

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 | | | |
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| Bureau of Land Management South Atlantic Bight Project | | PIERCE 001 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| G.W. PIERCE | Ship | PLATFORM OPERATOR | FROM: MO, DAY, YR TO: MO, DAY, YR |
| | | U.S.A. U.S.A. | 3/14/79 3/19/79 |
| 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 checked="" type="checkbox"/> NO <input 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) Dr. L.P. Atkinson (912) 356-2471 | | | |

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 | o/oo | Rosette Niskin Bottle | Plessey Model 6230N Lab Salinometer | N/A |
| | | Plessey Model 9400 CTD | N/A | Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle | N/A | N/A |
| | | Plessey Model 9400 CTD | N/A | Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
 Fixed Length Blocks - 3200 chars.
 Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

ATTRIBUTES AS EXPRESSED IN

☐ PL-1☐ ALGOL☐ COBOL☒ FORTRAN☐

LANGUAGE

3. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA 31

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE

☐ BCD☐ BINARY☐ ASCII☒ EBCDIC☐6. NUMBER OF TRACKS
(CHANNELS)☐ SEVEN☒ NINE☐

7. PARITY

☐ ODD☒ EVEN

8. DENSITY

☐ 200 BPI☒ 1600 BPI☐ 336 BPI☐ 800 BPI☐9. LENGTH OF INTER-
RECORD GAP (IF KNOWN)☒ 3/4 INCH☐

10. END OF FILE MARK

☐ OCTAL 17☒ Tape Mark11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
ORIGINATOR NAME AND SOME KEY SPECIFICATIONS
OF DATA TYPE, VOLUME NUMBER)

SP0075

File 2

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

8 bit bytes

GENERAL REMARKS

(NODC Submitted Data)

PIERCE Cruise 001 (March, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

RECORD FORMAT DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., b10, b7-6) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|---|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| CT | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record: Depths and Samples

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., 370, 4700) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|--------------------------------|---|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| O ₂ (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| PO ₄ -P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| NO ₃ -N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| SiO ₃ -Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| CT | 80 | 1 | | Num | Type of record |

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 (✓) | |
| Plessey, Inc. Sensors | (Factory) | | | | | | | | (✓) |
| Temperature Model 4500 Serial #720 | 3/22/76 | | Plessey | | X | | | | |
| Temperature Model 4500 Serial #737 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #817 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #837 | 8/29/77 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #615 | 7/12/78 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #660 | 8/26/77 | | Plessey | | X | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

RCVD: 7/28/80

82 NODC 198

ACCESSION
NUMBER

80-0424

BLM/OCS - So. ATLANTIC

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 20852FORM APPROVED
O.M.B. No. 41-R2651

OCEAN SERIAL STATIONS

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 3

52 STATIONS

9 TRK 1600 bpl

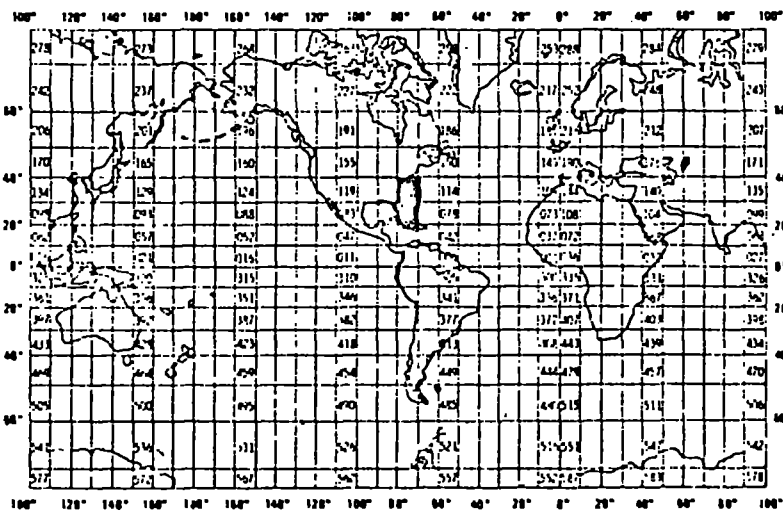
80X 3200

ORIGINATOR'S TAPE = SP0075

EBCDIC NL

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 | | | |
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| Bureau of Land Management South Atlantic Bight Project | | PIERCE 002 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| G.W. PIERCE | Ship | PLATFORM OPERATOR | FROM: MO, DAY, YR TO: MO, DAY, YR |
| | | U.S.A. U.S.A. | 5/28/79 6/2/79 |
| 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 (ONP)? (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) | | GENERAL AREA | |
| 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. L.P. Atkinson (912) 356-2471 | |  | |

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 | o/oo | Rosette Niskin Bottle | Plessey Model 6230N Lab Salinometer | N/A |
| | | Plessey Model 9400 CTD | N/A | Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle | N/A | N/A |
| | | Plessey Model 9400 CTD | N/A | Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

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

Fixed Length Records - 80 chars
 Fixed Length Blocks - 3200 chars.
 Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

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

3. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA 314

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 checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____ |
| 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"/> Tape Mark |
| 7. PARITY <input type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN | 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) SP0075 File 3 |
| 8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____ | 12. PHYSICAL BLOCK LENGTH IN BYTES 3200 Bytes 13. LENGTH OF BYTES IN BITS 8 bit bytes |

GENERAL REMARKS

(NODC Submitted Data)

PIERCE Cruise 002 (May, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

RECORD FORMAT, DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., 48e, 48e, 48e) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|--------------------------|---|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pres- sure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| CT | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record: Depths and Samples

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., 310, 47-50) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING |
|--------------------------------|--|------------|----------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| O ₂ (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| PO ₄ -P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| NO ₃ -N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| SiO ₃ -Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| CT | 80 | 1 | | Num | Type of record |

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 (✓) | |
| Plessey, Inc. Sensors | (Factory) | | | | | | | | |
| Temperature Model 4500 Serial #720 | 3/22/76 | | Plessey | | X | | | | |
| Temperature Model 4500 Serial #737 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #817 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #837 | 8/29/77 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #615 | 7/12/78 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #660 | 8/26/77 | | Plessey | | X | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

RCVD: 7/28/80

82 NODC 198

ACCESSION
NUMBER

80-0424

BLM/OCS - SO. ATLANTIC

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

OCEAN SERIAL STATIONS

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 4 53 stations

ORIGINATOR'S TAPE = SP0075 9TRK 1600 bPL NL

A. ORIGINATOR IDENTIFICATION

EBCDIC

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 | | | |
| Skidaway Institute of Oceanography P.O. Box 13687 Savannah, Georgia 31406 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| Bureau of Land Management South Atlantic Bight Project | | PIERCE 003 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| G.W. PIERCE | Ship | PLATFORM OPERATOR U.S.A. U.S.A. | FROM: MO/DAY/YR TO: MO/DAY/YR 8/22/79 8/27/79 |
| 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 checked="" type="checkbox"/> NO <input 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) Dr. Larry P. Atkinson (912) 356-2471 | | | |

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 | o/oo | Rosette Niskin Bottle | Plessey Model 6230N Lab Salinometer | N/A |
| | | Plessey Model 9400 CTD | N/A | Values averaged over 1 meter intervals; offset for bottle sample calibration applied |
| Temperature | °C | Reversing Thermometer on Rosette Niskin Bottle | N/A | N/A |
| | | Plessey Model 9400 CTD | N/A | Offset for reversing thermometer calibration applied. |
| O ₂ | ml/l | Rosette Niskin Bottle | Winkler Titration | N/A |
| PO ₄ | μmole/liter (to hundredths) | Rosette Niskin Bottle | Glibert, P.M. and T.C. Loder. Automated Analysis of Nutrients in Seawater: A Manual of Techniques. WHOI-77-47 Technical Report. | N/A |
| NO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |
| SiO ₃ | μmole/liter (to tenths) | Rosette Niskin Bottle | | N/A |

GENERAL REMARKS

(NODC Submitted Data)

PIERCE Cruise 003 (August, 1979)

1. All stations are in latitude north and longitude west.
2. Special Observations column 68 is used for:
C=CTD, X=XBT
3. Special Observations column 69 is used for:
U=upcast, blank=downcast
4. Silicate ($\text{SiO}_3\text{-Si}$) is reported to 10ths of a unit (e.g., 10.0 $\mu\text{mole/l}$)

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

Fixed Length Records - 80 chars
 Fixed Length Blocks - 3200 chars
 Unlabelled

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Above

ATTRIBUTES AS EXPRESSED IN



PL-1



ALGOL



COBOL



FORTRAN



LANGUAGE

3. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Bill Chandler (912)356-2459

ADDRESS Skidaway Institute of Oceanography, P. O. Box 13687, Savannah, GA 314

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE



BCD



BINARY



ASCII



EBCDIC

6. NUMBER OF TRACKS
(CHANNELS)

SEVEN



NINE



7. PARITY



ODD



EVEN

8. DENSITY



200 BPI



1600 BPI



556 BPI



800 BPI

9. LENGTH OF INTER-
RECORD GAP (IF KNOWN)

3/4 INCH



10. END OF FILE MARK



OCTAL 17



Tape Mark

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
ORIGINATOR NAME AND SOME KEY SPECIFICATIONS
OF DATA TYPE, VOLUME NUMBER)

SP0075
File 4

12. PHYSICAL BLOCK LENGTH IN BYTES

3200 Bytes

13. LENGTH OF BYTES IN BITS

8 bit bytes

RECORD FORMAT DESCRIPTION

RECORD NAME Master Record: Info About a Station

| 12. FIELD NAME | 13. POSITION FROM -1 MEASURED IN bytes (e.g., b10, byte) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha- betic | 18. USE AND MEANING Not given if inherent in name |
|----------------------|---|------------|----------------|--|--|
| | | NUMBER | UNITS bytes | | |
| Country | 1 | 2 | | Num | |
| Ship | 3 | 2 | | Alp | |
| Latitude | 5 | 2 | | Num | Degrees |
| | 7 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Longitude | 10 | 3 | | Num | Degrees |
| | 13 | 3 | | Num | Minutes (Divide by 10), (F3.1) |
| Date | 19 | 2 | | Num | Year |
| | 21 | 2 | | Num | Month |
| | 23 | 2 | | Num | Day |
| Time GMT | 25 | 3 | | Num | Hour (Divide by 10), (F3.1) |
| Ship's Cruise No. | 28 | 3 | | Alp | |
| Ship's Station No. | 31 | 3 | | Alp | |
| Depth to Bottom | 34 | 4 | | Num | Meters |
| Sample | 38 | 2 | | Num | Meters (Multiply by 100) |
| Sea State | 48 | 1 | | Num | WMO Code 3700 |
| Wind Direction | 50 | 2 | | Num | Degrees (Multiply by 10) |
| Wind Speed | 52 | 2 | | Num | Knots |
| Barometric Pressure | 54 | 3 | | Num | Millibars |
| Air Temperature | 57 | 3 | | Num | Degrees C (Divide by 10), (F3.1) |
| Weather | 63 | 2 | | Alp | WMO Code 4501 |
| Special Observations | 68 | 1 | | Alp | C=CTD; X=XBT; B=Bottle Cast |
| Consec. No. | 76 | 4 | | Num | |
| CT | 80 | 1 | | Num | Type of Record |

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record: Depths and Samples

| 14. FIELD NAME | 15. POSITION FROM -1 MEASURED IN bytes (e.g., b70, b70-8) | 16. LENGTH | | 17. ATTRIBUTES Num = Numeric Alp = Alpha-betic | 18. USE AND MEANING |
|--------------------------------|--|------------|-------------|--|-------------------------|
| | | NUMBER | UNITS bytes | | |
| Depth (M) | 28 | 5 | | Num | (Divide by 10), (F5.1) |
| Temp (°C) | 33 | 4 | | Num | (Divide by 100), (F4.2) |
| Salinity (‰) | 38 | 4 | | Num | (Divide by 100), (F4.2) |
| O ₂ (ml/l) | 51 | 3 | | Num | (Divide by 100), (F3.2) |
| PO ₄ -P (μmole/l) | 54 | 3 | | Num | (Divide by 100), (F3.2) |
| NO ₃ -N (μmole/l) | 63 | 3 | | Num | (Divide by 10), (F3.1) |
| SiO ₃ -Si (μmole/l) | 66 | 3 | | Num | (Divide by 10), (F3.1) |
| CT | 80 | 1 | | Num | Type of record |

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 (✓) | |
| Plessey, Inc. Sensors | (Factory) | | | | | | | | |
| Temperature Model 4500 Serial #720 | 3/22/76 | | Plessey | | X | | | | |
| Temperature Model 4500 Serial #737 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #817 | 7/12/78 | | Plessey | | X | | | | |
| Pressure Model 4600 Serial #837 | 8/29/77 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #615 | 7/12/78 | | Plessey | | X | | | | |
| Conductivity Model 6500 Serial #660 | 8/26/77 | | Plessey | | X | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

82 NODC198



July 25, 1980

Dr. Francis J. Mitchell
Physical Scientist
NOAA/NODC D781
3300 Whitehaven Street, NW
Washington, DC 20235

Dear Dr. Mitchell:

The enclosed magnetic tape and data documentation forms are submitted in partial fulfillment of our contract No. AA551-CT8-52 with BLM. The data on this tape are described in the following table:

| <u>Cruise Date</u> | <u>Tape File Number</u> |
|--------------------|-------------------------|
| October 1979 | 1 |
| March 1979 | 2 |
| May 1979 | 3 |
| August 1979 | 4 |

Once the tape has been processed, please send a copy of your cruise archive deck to:

William Chandler
Skidaway Institute of Oceanography
P.O. Box 13687
Savannah, GA 31406

The preferred tape format is 9-track, density 1600 bpi, block length = 3200, record length = 80, BCD and unlabeled.

Should you have any question concerning this submission, please do not hesitate to contact us.

Sincerely,

Evans Waddell

Evans Waddell
Program Manager

SAI on 7/27/80

cc: E. Wood, BLM
C. Day, BLM
D. James, SAI

NODC TAPE COPY = 11/89 80-0424

Four(A) Files

9TRK 1600 NL

EBCDIC 80 X 3200

OCEAN SERIAL STATION DATA

PROJECT: BLM/OCS-SO. ATLANTIC

SUBMITTER: SKIDAWAY INSTITUTE OF
OCEANOGRAPHY

VER:

DATA ON TAPE:

FILE #1

Vessel: COLUMBUS ISOLIN

CRUISE#: IC-002

DATE(S): 8/22/79 - 8/27/79

Parameters: SALINITY

TEMP.

O₂

P_{O₄}

NO₃

SiO₃

of STATIONS = 108

MS = 80, 116

82 NODC 1987

Accession No.
88 0424

FILE # 2

Vessel = G.W. Pierce

CRUISE # = 001

DATES = 3/14/79 - 3/19/79

Parameters: Salinity
Temp.
O₂
PO₄
NO₃
SiO₃

of STATIONS = 56

MS = 80,116

Accession No
80-0424

File # 3

Vessel = G.W. Pierce

CRUISE # = 002

DATES = 5/28/79 - 6/2/79

PARAMETERS:

SALINITY

TEMP

O₂

PO₄

NO₃

SiO₃

of STATIONS = 52

MS = 80,116

Accession No.
80-0424

FILE # 4

Vessel = G.W. Pierce
CRUISE # = 003
DATES = 8/22/79 - 8/27/79

Parameters:

Temp

Salinity

O₂

PO₄

NO₃

SiO₂

of STATIONS = 53

MS = 80,116

ACCESSION NO. 80 00424 FILETYPE F022/C022 TRACK NO. TT6290-3 PROJECT IDENTIFICATION MMS -
329502; 319673-5 OCS-SO. ATLANTIC

| STEP | DATE | INIT. | TAPE OR DISK DSN | NO. FILES | RECL | BLK | SIZE | NO. RECORDS |
|----------------------------------|----------|-------|---------------------|--------------|---------------|-----|------|----------------|
| ORIG. TAPE | 7/22/86 | TMRL | A00265/SP0075 | 4 | 80 | | 3200 | |
| DUPLICATE TAPE | 7/29/86 | ✓ | W03625* | 4 | 80 | | 3200 | |
| REFORMATTED TAPE DISK | 10/28/86 | RPS | DNODC*SKIDCP2. | 1 | 120 | | 224 | 4479 |
| REFORMATTED DISK | | | | | | | | |
| FIRST MULCHEK | | | | | | | | |
| FINAL MULCHEK | | | | | | | | |
| MPD75 OR F022 | | | | | | | | |
| DATA SET FINALIZED | | | | | | | | |

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* DSN = DNODC* 8000424-0/.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

HANSEN REF. #

319673

MULDARS TRACK #

TT6291

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TT6291)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

HAUSEN REF. #

MULDARS TRACK #

319674

TT6292

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TT6292)

RECORD ALL ERRORS FOUND

CONSEC(S)

39

ERRORS FOUND

Delete last record of station

ATK
12/1/86

Salinity Quality Indicator applied to Consec. No. 19

HANSEN REF. #

319675

MULDARS TRACK #

TT6293

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TT6293)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

HAUSEN REF. #

329502

MULDARS TRACK #

TT6290

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE :

Archives (TT6290)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

014510

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86REFERENCE NUMBER: 329502ACCESSION NUMBER: 8000424

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

INVENTORYMEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09EXCHANGE (FORMAT): E001 - Low Resolution STDPROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125PLATFORM (COUNTRY AND PLATFORM CODES): 321CPLATFORM TYPE: 9 - Ship DINDB CODE 09ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: TT6290CRUISE START DATE: 10/27/79 CRUISE END DATE: 11/02/79 Press PgDnPROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 55 NUMBER OF RECORDS: 1,480

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

OAN AREACODE 1: 23L MEANING: Mid-Atlantic Bight

CODE 2: _____ MEANING: _____

CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

014512DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)FJMDATE OF ENTRY: 11/18/86REFERENCE NUMBER: 319673 ACCESSION NUMBER: 8000424
FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)-----
INVENTORYMEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E001 - Low Resolution STD
PROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125
PLATFORM (COUNTRY AND PLATFORM CODES): 31PP
PLATFORM TYPE: 3 - Ship DINDB CODE 09ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: TT6291
CRUISE START DATE: 03/14/79 CRUISE END DATE: 03/19/79 Press PgDn
PROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 33 NUMBER OF RECORDS: 938

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

OCEAN AREACODE 1: 23L MEANING: Mid-Atlantic Bight
CODE 2: _____ MEANING: _____
CODE 3: _____ MEANING: _____-----
DINDB TRACK TRANSACTION GENERATED: / /

014514

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86REFERENCE NUMBER: 319674ACCESSION NUMBER: 8000424

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

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09EXCHANGE (FORMAT): E001 - Low Resolution STDPROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125PLATFORM (COUNTRY AND PLATFORM CODES): 31PPPLATFORM TYPE: 3 - Ship DINDB CODE 09ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: TT6292CRUISE START DATE: 05/28/79 CRUISE END DATE: 06/02/79 Press PgDnPROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 62 NUMBER OF RECORDS: 947

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AN AREA

CODE 1: 23L MEANING: Mid-Atlantic Bight

CODE 2: _____ MEANING: _____

CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

014516

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 11/18/86REFERENCE NUMBER: 319675 ACCESSION NUMBER: 8000424
FORMER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)-----
INVENTORYMEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E001 - Low Resolution STD
PROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

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

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3125
PLATFORM (COUNTRY AND PLATFORM CODES): 31PP
PLATFORM TYPE: 3 - Ship DINDB CODE 09ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: TT6293
CRUISE START DATE: 08/22/79 CRUISE END DATE: 08/27/79 Press PgDn
PROJECT CODE: 0094 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 52 NUMBER OF RECORDS: 1,114

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AN AREACODE 1: 23L MEANING: Mid-Atlantic Bight
CODE 2: _____ MEANING: _____
CODE 3: _____ MEANING: _____-----
DINDB TRACK TRANSACTION GENERATED: / /

Password:

| accNo | fleA | refNo | proj | inst | ship | startDate | cruise | catId |
|---------|------|--------|------|------|------|------------|--------|--------|
| 8000424 | C116 | 068645 | 0094 | 3125 | 31PP | 1979/03/14 | 001 | 312921 |
| 8000424 | C022 | 319673 | 0094 | 3125 | 31PP | 1979/03/14 | TT6291 | 312922 |
| 8000424 | C022 | 319674 | 0094 | 3125 | 31PP | 1979/05/28 | TT6292 | 312923 |
| 8000424 | C022 | 319675 | 0094 | 3125 | 31PP | 1979/08/22 | TT6293 | 312924 |
| 8000424 | F022 | TT6291 | 0094 | 3125 | 31PP | 1979/03/14 | 001 | 312927 |
| 8000424 | F022 | TT6292 | 0094 | 3125 | 31PP | 1979/05/28 | 002 | 312928 |
| 8000424 | F022 | TT6293 | 0094 | 3125 | 31PP | 1979/08/22 | 003 | 312929 |
| 8000424 | C100 | BL2771 | 0094 | 312S | 32IC | 1979/10/27 | IC-002 | 312918 |
| 8000424 | C116 | 068644 | 0094 | 3125 | 32IC | 1979/10/30 | IC-002 | 312920 |
| 8000424 | C022 | 329502 | 0094 | 3125 | 32IC | 1979/10/27 | TT6290 | 312925 |
| 8000424 | F022 | TT6290 | 0094 | 3125 | 32IC | 1979/10/27 | IC-002 | 312926 |
| 8000424 | C100 | BL2772 | 0094 | 312S | 32PP | 1979/05/28 | NULL | 312919 |

(12 rows affected)

Password:

| accNo | fleA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---------|-------|--------|-------|--------|--------|-----------|----------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 8000424 | C116 | 068645 | 31PP | 13 | 15 | 79/03/14 | 79/03/17 |
| 8000424 | C022 | 319673 | 31PP | 33 | 43 | 79/03/14 | 79/03/19 |
| 8000424 | C022 | 319674 | 31PP | 62 | 52 | 79/05/28 | 79/06/02 |
| 8000424 | C022 | 319675 | 31PP | 52 | 52 | 79/08/22 | 79/08/27 |
| 8000424 | F022 | TT6291 | 31PP | 33 | 913 | 79/03/14 | 79/03/19 |
| 8000424 | F022 | TT6292 | 31PP | 62 | 812 | 79/05/28 | 79/06/02 |
| 8000424 | F022 | TT6293 | 31PP | 52 | 1114 | 79/08/22 | 79/08/27 |
| 8000424 | C100 | BL2771 | 32IC | 108 | 0 | 79/10/27 | 79/11/02 |
| 8000424 | C116 | 068644 | 32IC | 53 | 53 | 79/10/30 | 79/11/02 |
| 8000424 | C022 | 329502 | 32IC | 55 | 60 | 79/10/27 | 79/11/02 |
| 8000424 | F022 | TT6290 | 32IC | 55 | 1480 | 79/10/27 | 79/11/02 |
| 8000424 | C100 | BL2772 | 32PP | 52 | 0 | 79/05/28 | 79/06/02 |

(12 rows affected)