

9200073

| ACCESS NUMBER | REF NUMBER | FILE TYPE | PROJ CODE | INST | PLAT | CRUISE NO | CRUISE START | CRUISE END | NUM STA | NUM REC |
|---------------|------------|-----------|-----------|------|------|-----------|--------------|------------|---------|---------|
| 9200073 | TV5976 | F022 | | 313F | 31SU | SU85MA | 06/03/85 | 06/27/85 | 23 | 11,561 |
| 9200073 | TV5977 | F022 | | 313F | 31DS | DI86 C | 08/06/86 | 08/28/86 | 36 | 16,797 |
| 9200073 | TV5978 | F022 | | 313F | 31DS | DI87 C | 07/14/87 | 08/11/87 | 82 | 57,745 |
| 9200073 | TV5979 | F022 | | 313F | 31DS | DI88 E | 07/13/88 | 07/25/88 | 22 | 12,240 |
| 9200073 | TV5980 | F022 | | 313F | 31DS | DI88 R | 08/26/88 | 09/21/88 | 83 | 39,867 |

TV5976 - TV5980
NOAA, PMEL, VENTS

1985-1988

246 138 210

138,210

@DFP, @DNODC* TV5976, TPF\$, IN
File = SDF/CON

~~ENDATA F022 TV5976~~

cliff, 022 check
D 5976C

TV5976 - TV5980

W62283

DNODC* VENTSALLOUT.

disk
DNODC* TV5976.

deleted 01/10/95

~~227,357 records~~

138,210 records

- Pulled tape ~~En, Nov 15~~

cliff. F022

DO227

| ACCESS NUMBER | REF NUMBER | FILE TYPE | PROJ CODE | INST | PLAT | CRUISE NO | CRUISE START | CRUISE END | NUM STA | NUM REC |
|------------------|---------------|--------------|--------------|------|------|--------------|-----------------|---------------|------------|------------|
| 9200073 | 310003 | C022 | | 313F | 31SU | TV5976 | 06/03/85 | 06/27/85 | 23 | 11,561 |
| 9200073 | 310004 | C022 | | 313F | 31DS | TV5977 | 08/06/86 | 08/28/86 | 36 | 16,797 |
| 9200073 | 310005 | C022 | | 313F | 31DS | TV5978 | 07/14/87 | 08/11/87 | 82 | 57,745 |
| 9200073 | 310006 | C022 | | 313F | 31DS | TV5979 | 07/13/88 | 07/25/88 | 22 | 12,240 |
| 9200073 | 310007 | C022 | | 313F | 31DS | TV5980 | 08/26/88 | 09/21/88 | 83 | 39,867 |

ACCESSION ~~8900194~~ TELETYPE F022 TRACK NO. _____

PROJECT IDENTIFICATION VENTS

8900194

| STEP | DATE | INIT. | TAPE OR DISK DSN | NO. FILES | NO. RECL | BLK SIZE | NO. RECORDS |
|--------------------|---------|--------|---------------------|-----------|----------|----------|-------------|
| ORIG. TAPE | 3-31-92 | P.J.R | A01554 | 10 | 121 | 3630 | 275,437 |
| DUPLICATE TAPE | 4-15-92 | ↓ | W10848 * | ↓ | ↓ | ↓ | ↓ |
| REFORMATTED TAPE | 6-11-92 | R.P.S. | W62283 ** | 1 | 120 | 12000 | 272,400 |
| REFORMATTED DISK | | | | | | | |
| FIRST MULCHEK | | | | | | | |
| FINAL MULCHEK | | | | | | | |
| MPD75 OR F022 | | | | | | | |
| DATA SET FINALIZED | | | | | | | |

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~ * LABEL: DNODC * 9200073-01.
 ** LABEL: DNODC * VENTS ALL OUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

TRANSMITTAL AND RECEIPT RECORD
(Please sign and return carbon copy acknowledging receipt)

| | |
|---|--|
| TO: NOAA/NESDIS/NODC 1825 Connecticut Ave NW Washington DC 20235 | REFER TO ATTENTION E/OC13, Dr. Anthony R. Picciolo |
|---|--|

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

- ORDINARY MAIL
 REGISTERED MAIL
 AIR MAIL
 CERTIFIED MAIL
 GOVERNMENT TRUCK
 BY HAND
 OTHER

Enclosed, find two magnetic tapes and documentation with both current meters and CTD data sets resultant from PMEL's hydrothermal VENTS research. These tapes were provided by Mr. David Pashinski, NOAA/PMEL. The current meter tape has a total of 13 files of data (40 meters) reflecting 1990-91 studies. The CTD data tape has a total of 518 casts of data resultant from research from 1984 to 1991.

* PLEASE NOTE - The CTD data tape is a partial replacement data tape for earlier submitted data sets. Our present holdings of VENTS CTD data from 1985 through 1988 should be deleted and replaced with these data (NODC acc. no. 8900194, 07/25/89)



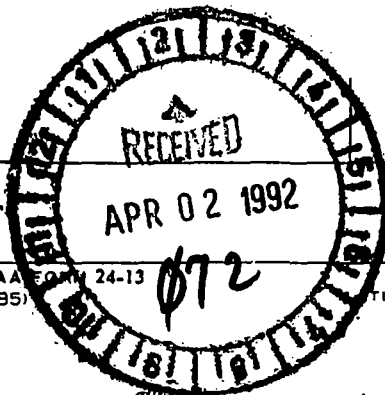
cc: Mr. Dave Pashinski, PMEL

9200073

AD 1553 = CURRENTS

AD 1554 = CTD

| | | |
|--|--|---------------------------|
| FORWARDED BY (Signature) Sid Stillwaugh | TITLE NODC Liaison Officer, Seattle | DATE FORWARDED 3/31/92 |
| RECEIVED BY (Signature) Francis J. Mulcahey | TITLE | DATE RECEIVED |



ACCESSION NUMBER

9200073

DATA DOCUMENTATION FORM

AO 1554

NOAA FORM 24-13 (2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

| | | | |
|--|---|--|--|
| 1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED NOAA-PMEL OERD 7600 Sandpoint Way NE Building 3 Seattle, WA 98115 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED VENTS | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT VENTS84-1CTD 88-3 85-1 89-1 86-1 90-1 87-1 90-4 | |
| 4. PLATFORM NAME(S) Surveyor Discoverer | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship | 6. PLATFORM AND OPERATOR NATIONALITY(IES) US US | |
| | | 7. DATES 1984 - 1991 FROM: MO, DAY, YR TO: MO, DAY, YR 5/84 9/91 | |
| 8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____ | | 11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA | |
| 9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL DATA EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW) | | | |
| 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) David J. Pashinski 206-526-6781 | | | |

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 | ‰ | Seabird CTD SBE9 " | Calculated from Conductivity via UNESCO | 1 meter average |
| Temp | °C | " | | " |
| Pressure | db | " | | " |
| Attenuation | - | " Seatech Transmiss. | Calculated from percent transmission | " |

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

File Type 22 with a lead blank on each record (each record 121 ch)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

| | | | |
|------|--------|----------|----------|
| 84-1 | file 1 | 538 blks | 31 casts |
| 85-1 | 2 | 389 | 23 casts |
| 86-1 | 3 | 565 | 36 casts |
| 87-1 | 4 | 1936 | 82 casts |
| 88-1 | 5 | 411 | 22 casts |
| 88-3 | 6 | 1340 | 83 casts |
| 89-1 | 7 | 1424 | 81 casts |
| 90-1 | 8 | 300 | 17 casts |
| 90-4 | 9 | 1046 | 67 casts |
| 91-2 | 10 | 1237 | 76 casts |

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER D. Pashinski 206-526-6781
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|--|---|
| <p>5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p> | <p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p> |
| <p>7. PARITY <input type="checkbox"/> ODD <input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>NODC-VENTS-CTD 1984 - 1991 File type 022 + 1 blank char/each/record 10 files 1600 bpi 3630 char/blk 121 char/rec 9 track unlabelled D. Pashinski - NOAA - PMEL 3/92 FTS 392-6781</p> |
| <p>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"/> _____</p> | |
| <p>12. PHYSICAL BLOCK LENGTH IN BYTES <div style="text-align: center;">3630</div></p> | |
| <p>13. LENGTH OF BYTES IN BITS <div style="text-align: center;">8</div></p> | |

file structure -

Eight 120-character records: (1) Text Record, (2) Master Record, (3) Detail Record 1, (4) Detail Record 2, (5) Detail Record 3, (6) Detail Record 4, (7) Detail Record 5, and (8) Detail Record 6.

File format -High-resolution CTD/STD Data (F022)

| PARAMETER | DESCRIPTION | SC |
|---------------------------|---|-----|
| TEXT RECORD | ALWAYS '1' | 10 |
| CAST NUMBER | FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4 | 11 |
| TEXT | 100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION | 16 |
| SEQUENCE NUMBER | XXXXX - USED FOR SORTING TEXT RECORDS | 116 |
| MASTER RECORD | ALWAYS '2' | 10 |
| CAST NUMBER | SEE RECORD '1' | 11 |
| LATITUDE | DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS | 16 |
| LONGITUDE | DDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS | 23 |
| CRUISE IDENTIFICATION | TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR | 31 |
| NUMBER OF SCANS | XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD) | 41 |
| DATE (GMT) | YYMMDD | 46 |
| TIME (GMT) | XXXX (HOURS AND MINUTES) | 52 |
| SAMPLE INTERVAL INDICATOR | ONE-DIGIT CODE - USE CODE 0216 | 56 |
| SAMPLE INTERVAL | XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS) | 57 |
| BAROMETRIC PRESSURE | XXXXX (MILLIBARS TO TENTHS) | 60 |
| WET BULB TEMPERATURE | XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS | 65 |
| DRY BULB TEMPERATURE | XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS | 69 |
| WIND DIRECTION | XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110 | 73 |
| WIND SPEED | XX (WHOLE KNOTS) | 75 |
| WEATHER | ONE-DIGIT CODE - WMO 4501 - USE CODE 0108 | 77 |
| SEA STATE | ONE-DIGIT CODE - WMO 3700 - USE CODE 0109 | 78 |
| VISIBILITY | ONE-DIGIT CODE - WMO 4300 - USE CODE 0157 | 79 |
| CLOUD TYPE | ONE-DIGIT CODE - WMO 0500 - USE CODE 0053 | 80 |
| CLOUD AMOUNT | ONE-DIGIT CODE - WMO 2700 - USE CODE 0105 | 81 |
| INSTRUMENT INFORMATION | TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC | 82 |
| LOCATION NAME | SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR | 102 |

| | | |
|-----------------|---|-----|
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OORO | 95 |
| DEPTH | XXXXX (METERS TO TENTHS) | 96 |
| TEMPERATURE | XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS | 101 |
| CONDUCTIVITY | XXXXX (MMHO/CM TO THOUSANDTHS) | 106 |
| BLANKS | | 111 |
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0 | 115 |
| SEQUENCE NUMBER | XXXXX - USED FOR SORTING DATA RECORDS | 118 |
| | | |
| DETAIL RECORD 4 | ALWAYS '6' | 10 |
| CAST NUMBER | SEE RECORD '1' | 11 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 16 |
| TEMPERATURE | XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS | 21 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 26 |
| SIGMA-T | XXXX - TO HUNDREDTHS | 31 |
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0 | 35 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 36 |
| TEMPERATURE | XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS | 41 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 46 |
| SIGMA-T | XXXX - TO HUNDREDTHS | 51 |
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0 | 55 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 56 |
| TEMPERATURE | XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS | 61 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 66 |
| SIGMA-T | XXXX - TO HUNDREDTHS | 71 |
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0 | 75 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 76 |
| TEMPERATURE | XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS | 81 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 86 |
| SIGMA-T | XXXX - TO HUNDREDTHS | 91 |
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0 | 95 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 96 |
| TEMPERATURE | XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS | 101 |
| SALINITY | XXXXX - PARTS PER THOUSAND TO THOUSANDTHS | 106 |
| SIGMA-T | XXXX - TO HUNDREDTHS | 111 |
| SCAN CONDITION | ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0 | 115 |
| SEQUENCE NUMBER | XXXXX - USED FOR SORTING DATA RECORDS | 118 |

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 (✓) | |
| Seabird SBE 9 | 1985, 6, 7, 88 | | NRCC | | ✓ | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| ACCESS NUMBER | REF NUMBER | FILE TYPE | PROJ CODE | INST | PLAT | CRUISE NO | CRUISE START | CRUISE END | NUM STA | NUM REC |
|---------------|------------|-----------|-----------|------|------|-----------|--------------|------------|---------|---------|
| 9200073 | TW3719 | F015 | | 313F | 317F | AN5430 | 07/13/90 | 09/19/90 | 1 | 6,529 |
| 9200073 | TW3720 | F015 | | 313F | 317F | AN1821 | 07/13/90 | 09/19/90 | 1 | 6,529 |
| 9200073 | TW3721 | F015 | | 313F | 317F | AN1988 | 07/13/90 | 09/19/90 | 1 | 6,525 |
| 9200073 | TW3722 | F015 | | 313F | 317F | AN3183 | 07/13/90 | 09/19/90 | 1 | 6,529 |
| 9200073 | TW3723 | F015 | | 313F | 317F | AN3133 | 07/13/90 | 09/17/90 | 1 | 6,344 |
| 9200073 | TW3724 | F015 | | 313F | 317F | AN1804 | 07/13/90 | 09/17/90 | 1 | 6,344 |
| 9200073 | TW3725 | F015 | | 313F | 317F | TR2505 | 07/13/90 | 09/17/90 | 1 | 6,345 |
| 9200073 | TW3726 | F015 | | 313F | 317F | AN1982 | 07/16/90 | 09/17/90 | 1 | 6,124 |
| 9200073 | TW3727 | F015 | | 313F | 317F | AN3177 | 07/16/90 | 09/17/90 | 1 | 6,125 |
| 9200073 | TW3728 | F015 | | 313F | 317F | AN1807 | 07/16/90 | 09/17/90 | 1 | 6,125 |
| 9200073 | TW3729 | F015 | | 313F | 317F | TR2510 | 07/16/90 | 09/17/90 | 1 | 6,128 |
| 9200073 | TW3730 | F015 | | 313F | 317F | AN3431 | 07/16/90 | 09/17/90 | 1 | 6,126 |
| 9200073 | TW3731 | F015 | | 313F | 317F | AN1452 | 07/15/90 | 09/17/90 | 1 | 4,665 |
| 9200073 | TW3732 | F015 | | 313F | 317F | AN1813 | 07/15/90 | 09/17/90 | 1 | 6,217 |
| 9200073 | TW3733 | F015 | | 313F | 317F | TR1986 | 07/15/90 | 09/17/90 | 1 | 6,219 |
| 9200073 | TW3734 | F015 | | 313F | 317F | AN1815 | 07/17/90 | 09/18/90 | 1 | 6,125 |
| 9200073 | TW3735 | F015 | | 313F | 317F | AN1068 | 07/17/90 | 09/18/90 | 1 | 4,593 |
| 9200073 | TW3736 | F015 | | 313F | 317F | AN2095 | 07/17/90 | 09/18/90 | 1 | 6,125 |
| 9200073 | TW3737 | F015 | | 313F | 317F | AN1981 | 07/17/90 | 09/18/90 | 1 | 6,125 |
| 9200073 | TW3738 | F015 | | 313F | 317F | AN9003 | 07/12/90 | 09/16/90 | 1 | 6,322 |
| 9200073 | TW3739 | F015 | | 313F | 317F | AN2096 | 07/12/90 | 08/31/90 | 1 | 4,806 |
| 9200073 | TW3740 | F015 | | 313F | 317F | TR2511 | 07/12/90 | 09/16/90 | 1 | 6,324 |
| 9200073 | TW3741 | F015 | | 313F | 317F | TR2504 | 07/12/90 | 09/16/90 | 1 | 6,327 |
| 9200073 | TW3742 | F015 | | 313F | 317F | AN2097 | 07/12/90 | 08/22/90 | 1 | 3,925 |
| 9200073 | TW3743 | F015 | | 313F | 317F | AN3446 | 07/13/90 | 09/16/90 | 1 | 4,745 |
| 9200073 | TW3744 | F015 | | 313F | 317F | TR2476 | 07/13/90 | 09/16/90 | 1 | 6,330 |
| 9200073 | TW3745 | F015 | | 313F | 317F | AN2500 | 07/14/90 | 09/19/90 | 1 | 6,524 |
| 9200073 | TW3746 | F015 | | 313F | 317F | AN3429 | 07/14/90 | 09/19/90 | 1 | 6,524 |
| 9200073 | TW3747 | F015 | | 313F | 317F | TR3210 | 07/14/90 | 09/19/90 | 1 | 6,527 |
| 9200073 | TW3748 | F015 | | 313F | 317F | AN1960 | 07/15/90 | 09/19/90 | 1 | 6,268 |
| 9200073 | TW3749 | F015 | | 313F | 317F | AN1071 | 07/15/90 | 09/19/90 | 1 | 6,268 |
| 9200073 | TW3750 | F015 | | 313F | 317F | AN2117 | 07/15/90 | 09/22/90 | 1 | 5,019 |
| 9200073 | TW3751 | F015 | | 313F | 317F | AN3442 | 07/15/90 | 09/22/90 | 1 | 6,690 |
| 9200073 | TW3752 | F015 | | 313F | 317F | TR1453 | 07/15/90 | 09/22/90 | 1 | 6,693 |
| 9200073 | TW3753 | F015 | | 313F | 317F | AN3221 | 09/22/90 | 06/11/91 | 1 | 6,289 |
| 9200073 | TW3754 | F015 | | 313F | 317F | TR3134 | 09/22/90 | 06/11/91 | 1 | 6,291 |
| 9200073 | TW3755 | F015 | | 313F | 317F | AN6557 | 09/22/90 | 06/11/91 | 1 | 6,289 |
| 9200073 | TW3756 | F015 | | 313F | 317F | AN3145 | 09/22/90 | 06/11/91 | 1 | 6,289 |
| 9200073 | TW3757 | F015 | | 313F | 317F | AN7628 | 09/22/90 | 06/11/91 | 1 | 6,289 |

39 236,581

ACCESSION NO. 9200073 FILETYPE F015

TRACK NO. _____

PROJECT IDENTIFICATION VENTS

~~TW~~ 3719-3757

| STEP | DATE | INIT. | TAPE OR DISK DSN | NO. FILES | RECL | BLK SIZE | NO. RECORDS |
|--------------------|---------|--------|---------------------|--------------|------|----------|----------------|
| ORIG. TAPE | 4-2-92 | PJR | A 01553 | 12 | 60 | 3600 | 236,940 |
| DUPLICATE TAPE | 4-15-92 | PJR | W11071 * | 12 | 60 | 3600 | 236,940 |
| REFORMATTED TAPE | 5-15-92 | R.P.S. | W62068 ** | 1 | 60 | 6000 | 236,600 |
| REFORMATTED DISK | | | | | | | |
| FIRST MULCHEK | | | | | | | |
| FINAL MULCHEK | | | | | | | |
| MPD75 OR F022 | | | | | | | |
| DATA SET FINALIZED | | | | | | | |

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~ * LABEL: DNODE * 9200073 - 02.
 ** LABEL: DNODE * VENTCURROUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

D015P Wed, 05/27/92

| | | | | |
|-------------------|-----------------|------------------|-----------------------|----------|
| User Name RUIZ | Phone # 4643 | Org/Task OC13 | Submit Date 4-6-92 | Due Date |
|-------------------|-----------------|------------------|-----------------------|----------|

PART A

Request/Problem Category

- General Info Communications Equipment Supplies
 Software Tape Library Computer Operations
 Other Specify:

Request/Problem Description:

SCAN TAPES

PART B (For Operator Job Requests)

Operator Job Request Type

- Run BRBUOY procedure Name: _____ See attached list
 Run SELBUOY procedure Name: _____ See attached list
 Run BUOYSUM procedure Name: _____ See attached list
 Run OTHER procedure - see SPECIAL INSTRUCTIONS
 Tape Scan
 Tape to Tape Copy Scan OUTPUT tape? yes no
 Disk to Tape Copy Scan OUTPUT tape? yes no
 Tape to Disk Copy
 Print 80 column 132 column HEX OCTAL Character
 All files/records? yes no. see SPECIAL INSTRUCTIONS
 Restore VAX file Name: _____
 OTHER - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

1. SCAN TAPES
 2. RETURN SCAN & TAPES BIN 44

JOB INPUT

Id#/Filename: A01553
D02472

Medium: Tape Disk Diskette Other Specify:
 Code: ASCII EBCDIC Binary Other Specify:
 Tape Specs: 800 1600 6250 NL SL
 MAX Record Length: 60 MAX Blocksize: 3600

JOB OUTPUT

Id#/Filename: _____

Medium: Tape Disk Diskette Other Specify:
 Code: ASCII EBCDIC Binary Other Specify:
 Tape Specs: 800 1600 6250 NL SL
 MAX Record Length: _____ MAX Blocksize: _____

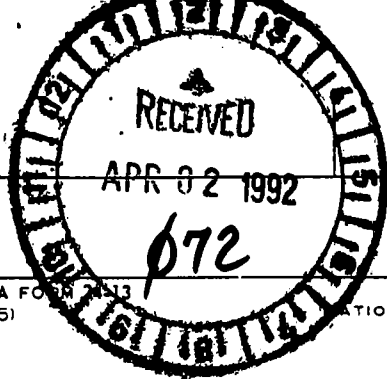
(OC3 Use Only)

JOB Number: 92040703 9.8

Completed By: _____

Date/Time Start: 4/8/92/15:10
 Date/Time Completed: 4/8/92/15:20

92040703



ACCESSION NUMBER

9200073

DATA DOCUMENTATION FORM

A0/553

NOAA FORM 24-13 (2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

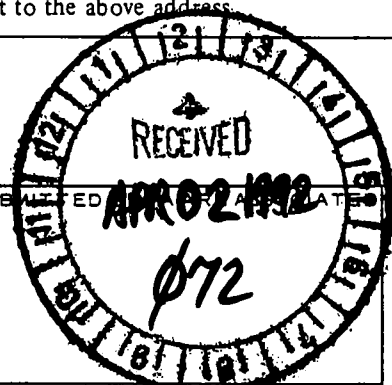
FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS



| | | | |
|---|---|--|----------|
| 1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED | | | |
| NOAA PMEL OERD Bin 15700 Bldg. 3 7600 Sandpoint Way NE Seattle, WA 98115 | | | |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED | | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT | |
| VENTS | | V9032, 33, 34, 35, 36, 37, 38, 39, 40, 41 V9042, 43 | |
| 4. PLATFORM NAME(S) | 5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) | 6. PLATFORM AND OPERATOR NATIONALITY(IES) | 7. DATES |
| see 3. | Subsurface Moorings | US | US |
| 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) D. Pashinski 206-526-6781 | | | |

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 |
|---|---|---|--|---|
| U & V temperature pressure salinity attenuation | cm/sec deg C. db. ppt. na | Aanderaa RCM-4 " " " " w/seatech beam transmissometer | | interpolated to common time " " " " |

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

File Type 15 Current meter

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

```

13 File
file 1 V9032 4cm 436blks
   2   33 3"  318
   3   34 5"  511
   4   35 3"  286
   5   36 4"  383
   6   37 3"  291
   7   38 2"  171
   9   39 2"  185

file 10 V9040 3cm 327
   11   41 2"  209
   12   42 3"  307
   13   43 5"  525
    
```

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER D. Pashinski 206-526-6781

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

| | |
|---|--|
| <p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p> | <p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p> |
| <p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p> | <p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p> |
| <p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>NODC CM VENTS 90 - 91 13 FILES 6250 bpi 3/92 3600 char/blk 60 char/rec 9 track, ASCII, unlabelled</p> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600 60char/rec</p> |
| | <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p> |

DATE

March 1984

NODC Users Guide

SECTION

4.1.8

PAGE

2

File structure -

Four 60-character records: (1) Text Record, (2) Master Record, (3) Detail Record 1, and (4) Detail Record 2.

File format -Current Meter Data (Components) (F015)

| PARAMETER | DESCRIPTION | SC |
|---------------------------------|---|----|
| TEXT RECORD | ALWAYS '1' | 10 |
| METER NUMBER | FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3 | 11 |
| TEXT | THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION | 16 |
| BLANK | | 54 |
| SEQUENCE NUMBER | XXXXXX - USED FOR SORTING TEXT INFORMATION | 55 |
| MASTER RECORD | ALWAYS '2' | 10 |
| METER NUMBER | SEE RECORD '1' | 11 |
| LATITUDE | DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDRETHS | 16 |
| LONGITUDE | DDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDRETHS | 23 |
| DEPTH OF BOTTOM | XXXXX (WHOLE METERS) | 31 |
| DEPTH OF CURRENT METER | XXXXX (METERS TO TENTHS) | 36 |
| METER USAGE SEQUENCE NUMBER | XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED | 41 |
| INSTITUTION | TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218 | 44 |
| AXIS ROTATION | XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE 0 WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION | 46 |
| LOCATION NAME | SIX-CHARACTER NAME DETERMINED BY ORIGINATOR | 49 |
| NUMBER OF DETAIL RECORDS | XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2) | 55 |
| DETAIL RECORD 1 | ALWAYS '3' | 10 |
| METER NUMBER | SEE RECORD '1' | 11 |
| DATE (GMT) | YYMMDD | 16 |
| TIME (GMT) | XXXXXX (HOURS, MINUTES TO HUNDRETHS) | 22 |
| EAST-WEST CURRENT COMPONENT (U) | XXXXXX - CM/SEC TO HUNDRETHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN - DIRECTION TOWARD | 28 |

| DATE March 1984 | NODC Users Guide | SECTION 4:1.8 | PAGE 3 |
|--------------------|------------------|------------------|-----------|
|--------------------|------------------|------------------|-----------|

| | | |
|--------------------------------------|---|----|
| NORTH-SOUTH CURRENT COMPONENT (V) | XXXXXX - CM/SEC TO HUNDRETHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN - DIRECTION TOWARD | 34 |
| TEMPERATURE | XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS) | 40 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 45 |
| CONDUCTIVITY | XXXX - MMHOS/CM TO HUNDRETHS | 50 |
| BLANK | | 64 |
| SEQUENCE NUMBER | XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR | 55 |
| DETAIL RECORD 2 | ALWAYS '4' | 10 |
| METER NUMBER | SEE RECORD '1' | 11 |
| DATE (GMT) | YYMMDD | 16 |
| TIME (GMT) | XXXXXX (HOURS, MINUTES TO HUNDRETHS) | 22 |
| EAST-WEST CURRENT COMPONENT (U) | XXXXXX - CM/SEC TO HUNDRETHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN - DIRECTION TOWARD | 28 |
| NORTH-SOUTH CURRENT COMPONENT (V) | XXXXXX - CM/SEC TO HUNDRETHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN | 34 |
| TEMPERATURE | XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS) | 40 |
| PRESSURE | XXXXX (DECIBARS TO TENTHS) | 45 |
| SALINITY | XXXXX PARTS PER THOUSAND TO THOUSANDTHS | 50 |
| SEQUENCE NUMBER | XXXXXX - USED FOR SORTING DATA RECORDS | 55 |

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 (✓) | |
| Aanderaa RCM-4 | annual | | NRCC | | x | | | | |
| Seatech transm. | ? | x | | | x | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

TRANSMITTAL AND RECEIPT RECORD
(Please sign and return carbon copy acknowledging receipt)

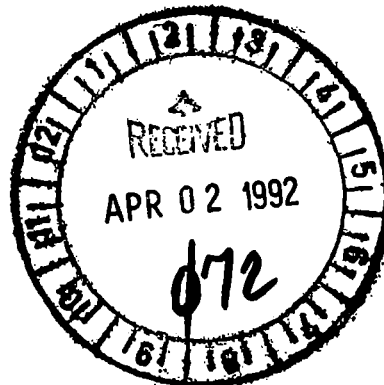
| | |
|--|--|
| TO: NOAA/NESDIS/NODC 1825 Connecticut Ave NW Washington DC 20235 | REFER TO |
| | ATTENTION E/OC13, Dr. Anthony R. Picciolo |

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

ORDINARY MAIL
 REGISTERED MAIL
 AIR MAIL
 CERTIFIED MAIL
 GOVERNMENT TRUCK
 BY HAND
 OTHER

Enclosed, find two magnetic tapes and documentation with both current meters and CTD data sets resultant from PMEL's hydrothermal VENTS research. These tapes were provided by Mr. David Pashinski, NOAA/PMEL. The current meter tape has a total of 13 files of data (40 meters) reflecting 1990-91 studies. The CTD data tape has a total of 518 casts of data resultant from research from 1984 to 1991.

* PLEASE NOTE - The CTD data tape is a partial replacement data tape for earlier submitted data sets. Our present holdings of VENTS CTD data from 1985 through 1988 should be deleted and replaced with these data (NODC acc. no. 8900194, 07/25/89)



cc: Mr. Dave Pashinski, PMEL

9200073

AD 1553 = CURRENTS
AD 1554 = CTD

| | | |
|---|--|---------------------------|
| FORWARDED BY (Signature) <i>Sid Stillwaugh</i> Sid Stillwaugh | TITLE NODC Liaison Officer, Seattle | DATE FORWARDED 3/31/92 |
| RECEIVED BY (Signature) <i>Francis J. Mulcahy</i> | TITLE | DATE RECEIVED |

Password:

| accNo | fleA | refNo | proj | inst | ship | startDate | cruise | catId |
|---------|------|--------|------|------|------|------------|--------|--------|
| 9200073 | L147 | L01409 | 0222 | 313F | 317F | 1990/07/13 | 2505 | 205313 |
| 9200073 | L147 | L01410 | 0222 | 313F | 317F | 1990/07/16 | 2510 | 205314 |
| 9200073 | L147 | L01411 | 0222 | 313F | 317F | 1990/07/12 | 1815 | 205315 |
| 9200073 | L147 | L01412 | 0222 | 313F | 317F | 1990/07/12 | 2504 | 205316 |
| 9200073 | L147 | L01413 | 0222 | 313F | 317F | 1990/07/13 | 2476 | 205317 |
| 9200073 | L147 | L01414 | 0222 | 313F | 317F | 1990/07/14 | 3210 | 205318 |
| 9200073 | L147 | L01415 | 0222 | 313F | 317F | 1990/07/15 | 1453 | 205319 |
| 9200073 | L147 | L01416 | 0222 | 313F | 317F | 1990/09/22 | 3134 | 205320 |
| 9200073 | F015 | TW3719 | 0222 | 313F | 317F | 1990/07/13 | AN5430 | 205321 |
| 9200073 | F015 | TW3720 | 0222 | 313F | 317F | 1990/07/13 | AN1821 | 205322 |
| 9200073 | F015 | TW3721 | 0222 | 313F | 317F | 1990/07/13 | AN1988 | 205323 |
| 9200073 | F015 | TW3722 | 0222 | 313F | 317F | 1990/07/13 | AN3183 | 205324 |
| 9200073 | F015 | TW3723 | 0222 | 313F | 317F | 1990/07/13 | AN3133 | 205325 |
| 9200073 | F015 | TW3724 | 0222 | 313F | 317F | 1990/07/13 | AN1804 | 205326 |
| 9200073 | F015 | TW3725 | 0222 | 313F | 317F | 1990/07/13 | TR2505 | 205327 |
| 9200073 | F015 | TW3726 | 0222 | 313F | 317F | 1990/07/16 | AN1982 | 205328 |
| 9200073 | F015 | TW3727 | 0222 | 313F | 317F | 1990/07/16 | AN3177 | 205329 |
| 9200073 | F015 | TW3728 | 0222 | 313F | 317F | 1990/07/16 | AN1807 | 205330 |
| 9200073 | F015 | TW3729 | 0222 | 313F | 317F | 1990/07/16 | TR2510 | 205331 |
| 9200073 | F015 | TW3730 | 0222 | 313F | 317F | 1990/07/16 | AN3431 | 205332 |
| 9200073 | F015 | TW3731 | 0222 | 313F | 317F | 1990/07/15 | AN1452 | 205333 |
| 9200073 | F015 | TW3732 | 0222 | 313F | 317F | 1990/07/15 | AN1813 | 205334 |
| 9200073 | F015 | TW3733 | 0222 | 313F | 317F | 1990/07/15 | TR1986 | 205335 |
| 9200073 | F015 | TW3734 | 9999 | 313F | 317F | 1990/07/17 | AN1815 | 205336 |
| 9200073 | F015 | TW3735 | 9999 | 313F | 317F | 1990/07/17 | AN1068 | 205337 |
| 9200073 | F015 | TW3736 | 0222 | 313F | 317F | 1990/07/17 | AN2095 | 205338 |
| 9200073 | F015 | TW3737 | 0222 | 313F | 317F | 1990/07/17 | AN1981 | 205339 |
| 9200073 | F015 | TW3738 | 0222 | 313F | 317F | 1990/07/12 | AN9003 | 205340 |
| 9200073 | F015 | TW3739 | 0222 | 313F | 317F | 1990/07/12 | AN2096 | 205341 |
| 9200073 | F015 | TW3740 | 0222 | 313F | 317F | 1990/07/12 | TR2511 | 205342 |
| 9200073 | F015 | TW3741 | 0222 | 313F | 317F | 1990/07/12 | TR2504 | 205343 |
| 9200073 | F015 | TW3742 | 0222 | 313F | 317F | 1990/07/12 | AN2097 | 205344 |
| 9200073 | F015 | TW3743 | 0222 | 313F | 317F | 1990/07/13 | AN3446 | 205345 |
| 9200073 | F015 | TW3744 | 0222 | 313F | 317F | 1990/07/13 | TR2476 | 205346 |
| 9200073 | F015 | TW3745 | 0222 | 313F | 317F | 1990/07/14 | AN2500 | 205347 |
| 9200073 | F015 | TW3746 | 0222 | 313F | 317F | 1990/07/14 | AN3429 | 205348 |
| 9200073 | F015 | TW3747 | 0222 | 313F | 317F | 1990/07/14 | TR3210 | 205349 |
| 9200073 | F015 | TW3748 | 0222 | 313F | 317F | 1990/07/15 | AN1960 | 205350 |
| 9200073 | F015 | TW3749 | 0222 | 313F | 317F | 1990/07/15 | AN1071 | 205351 |
| 9200073 | F015 | TW3750 | 0222 | 313F | 317F | 1990/07/15 | AN2117 | 205352 |
| 9200073 | F015 | TW3751 | 0222 | 313F | 317F | 1990/07/15 | AN3442 | 205353 |
| 9200073 | F015 | TW3752 | 0222 | 313F | 317F | 1990/07/15 | TR1453 | 205354 |
| 9200073 | F015 | TW3753 | 0222 | 313F | 317F | 1990/09/22 | AN3221 | 205355 |
| 9200073 | F015 | TW3754 | 0222 | 313F | 317F | 1990/09/22 | TR3134 | 205356 |
| 9200073 | F015 | TW3755 | 0222 | 313F | 317F | 1990/09/22 | AN6557 | 205357 |
| 9200073 | F015 | TW3756 | 0222 | 313F | 317F | 1990/09/22 | AN3145 | 205358 |
| 9200073 | F015 | TW3757 | 0222 | 313F | 317F | 1990/09/22 | AN7628 | 205359 |
| 9200073 | F015 | 062295 | 0222 | 313F | 317F | 1990/07/17 | AN1068 | 494392 |
| 9200073 | F015 | 080218 | 0222 | 313F | 317F | 1990/07/17 | AN1815 | 494393 |
| 9200073 | C022 | 310004 | 0222 | 313F | 31DS | 1986/08/06 | TV5977 | 494395 |
| 9200073 | C022 | 310005 | 0222 | 313F | 31DS | 1987/07/14 | TV5978 | 494396 |
| 9200073 | C022 | 310006 | 0222 | 313F | 31DS | 1988/07/13 | TV5979 | 494397 |
| 9200073 | C022 | 310007 | 0222 | 313F | 31DS | 1988/08/26 | TV5980 | 494398 |
| 9200073 | F022 | TV5977 | 0222 | 313F | 31DS | 1986/08/06 | DI86 C | 494400 |
| 9200073 | F022 | TV5978 | 0222 | 313F | 31DS | 1987/07/14 | DI87 C | 494401 |
| 9200073 | F022 | TV5979 | 0222 | 313F | 31DS | 1988/07/13 | DI88 E | 494402 |

| | | | | | | | | |
|---------|------|--------|------|------|------|------------|--------|--------|
| 9200073 | F022 | TV5980 | 0222 | 313F | 31DS | 1988/08/26 | DI88 R | 494403 |
| 9200073 | C022 | 310003 | 0222 | 313F | 31SU | 1985/06/03 | TV5976 | 494394 |
| 9200073 | F022 | TV5976 | 0222 | 313F | 31SU | 1985/06/03 | SU85MA | 494399 |

(59 rows affected)

Password:

| accNo | fileA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---------|-------|--------|------|--------|--------|-----------|----------|
| 9200073 | L147 | L01409 | 317F | 1 | 6350 | 90/07/13 | 90/09/17 |
| 9200073 | L147 | L01410 | 317F | 1 | 6133 | 90/07/16 | 90/09/17 |
| 9200073 | L147 | L01411 | 317F | 1 | 6330 | 90/07/12 | 90/09/16 |
| 9200073 | L147 | L01412 | 317F | 1 | 6332 | 90/07/12 | 90/09/16 |
| 9200073 | L147 | L01413 | 317F | 1 | 6335 | 90/07/13 | 90/09/16 |
| 9200073 | L147 | L01414 | 317F | 1 | 6532 | 90/07/14 | 90/09/19 |
| 9200073 | L147 | L01415 | 317F | 1 | 6698 | 90/07/15 | 90/09/22 |
| 9200073 | L147 | L01416 | 317F | 1 | 6294 | 90/09/22 | 91/06/11 |
| 9200073 | F015 | TW3719 | 317F | 3 | 6529 | 90/07/13 | 90/09/19 |
| 9200073 | F015 | TW3720 | 317F | 3 | 6529 | 90/07/13 | 90/09/19 |
| 9200073 | F015 | TW3721 | 317F | 3 | 6525 | 90/07/13 | 90/09/19 |
| 9200073 | F015 | TW3722 | 317F | 3 | 6529 | 90/07/13 | 90/09/19 |
| 9200073 | F015 | TW3723 | 317F | 3 | 6344 | 90/07/13 | 90/09/17 |
| 9200073 | F015 | TW3724 | 317F | 3 | 6344 | 90/07/13 | 90/09/17 |
| 9200073 | F015 | TW3725 | 317F | 3 | 6345 | 90/07/13 | 90/09/17 |
| 9200073 | F015 | TW3726 | 317F | 3 | 6124 | 90/07/16 | 90/09/17 |
| 9200073 | F015 | TW3727 | 317F | 3 | 6125 | 90/07/16 | 90/09/17 |
| 9200073 | F015 | TW3728 | 317F | 3 | 6125 | 90/07/16 | 90/09/17 |
| 9200073 | F015 | TW3729 | 317F | 3 | 6128 | 90/07/16 | 90/09/17 |
| 9200073 | F015 | TW3730 | 317F | 3 | 6126 | 90/07/16 | 90/09/17 |
| 9200073 | F015 | TW3731 | 317F | 3 | 4665 | 90/07/15 | 90/09/17 |
| 9200073 | F015 | TW3732 | 317F | 3 | 6217 | 90/07/15 | 90/09/17 |
| 9200073 | F015 | TW3733 | 317F | 3 | 6219 | 90/07/15 | 90/09/17 |
| 9200073 | F015 | TW3734 | 317F | 3 | 6125 | 90/07/17 | 90/09/18 |
| 9200073 | F015 | TW3735 | 317F | 3 | 4593 | 90/07/17 | 90/09/18 |
| 9200073 | F015 | TW3736 | 317F | 3 | 6125 | 90/07/17 | 90/09/18 |
| 9200073 | F015 | TW3737 | 317F | 3 | 6125 | 90/07/17 | 90/09/18 |
| 9200073 | F015 | TW3738 | 317F | 3 | 6322 | 90/07/12 | 90/09/16 |
| 9200073 | F015 | TW3739 | 317F | 2 | 4806 | 90/07/12 | 90/08/31 |
| 9200073 | F015 | TW3740 | 317F | 3 | 6324 | 90/07/12 | 90/09/16 |
| 9200073 | F015 | TW3741 | 317F | 3 | 6327 | 90/07/12 | 90/09/16 |
| 9200073 | F015 | TW3742 | 317F | 2 | 3925 | 90/07/12 | 90/08/22 |
| 9200073 | F015 | TW3743 | 317F | 3 | 4745 | 90/07/13 | 90/09/16 |
| 9200073 | F015 | TW3744 | 317F | 3 | 6330 | 90/07/13 | 90/09/16 |
| 9200073 | F015 | TW3745 | 317F | 3 | 6524 | 90/07/14 | 90/09/19 |
| 9200073 | F015 | TW3746 | 317F | 3 | 6524 | 90/07/14 | 90/09/19 |
| 9200073 | F015 | TW3747 | 317F | 3 | 6527 | 90/07/14 | 90/09/19 |
| 9200073 | F015 | TW3748 | 317F | 3 | 6268 | 90/07/15 | 90/09/19 |
| 9200073 | F015 | TW3749 | 317F | 3 | 6268 | 90/07/15 | 90/09/19 |
| 9200073 | F015 | TW3750 | 317F | 3 | 5019 | 90/07/15 | 90/09/22 |
| 9200073 | F015 | TW3751 | 317F | 3 | 6690 | 90/07/15 | 90/09/22 |
| 9200073 | F015 | TW3752 | 317F | 3 | 6693 | 90/07/15 | 90/09/22 |
| 9200073 | F015 | TW3753 | 317F | 10 | 6289 | 90/09/22 | 91/06/11 |
| 9200073 | F015 | TW3754 | 317F | 10 | 6291 | 90/09/22 | 91/06/11 |
| 9200073 | F015 | TW3755 | 317F | 10 | 6289 | 90/09/22 | 91/06/11 |
| 9200073 | F015 | TW3756 | 317F | 10 | 6289 | 90/09/22 | 91/06/11 |
| 9200073 | F015 | TW3757 | 317F | 10 | 6289 | 90/09/22 | 91/06/11 |
| 9200073 | F015 | 062295 | 317F | 1 | 4593 | 90/07/17 | 90/09/18 |
| 9200073 | F015 | 080218 | 317F | 1 | 6125 | 90/07/17 | 90/09/18 |
| 9200073 | C022 | 310004 | 31DS | 36 | 16797 | 86/08/06 | 86/08/28 |
| 9200073 | C022 | 310005 | 31DS | 82 | 57745 | 87/07/14 | 87/08/11 |
| 9200073 | C022 | 310006 | 31DS | 22 | 12240 | 88/07/13 | 88/07/25 |
| 9200073 | C022 | 310007 | 31DS | 83 | 39867 | 88/08/26 | 88/09/21 |
| 9200073 | F022 | TV5977 | 31DS | 36 | 16797 | 86/08/06 | 86/08/28 |
| 9200073 | F022 | TV5978 | 31DS | 82 | 57745 | 87/07/14 | 87/08/11 |
| 9200073 | F022 | TV5979 | 31DS | 22 | 12240 | 88/07/13 | 88/07/25 |

| | | | | | | | |
|---------|------|--------|------|----|-------|----------|----------|
| 9200073 | F022 | TV5980 | 31DS | 83 | 39867 | 88/08/26 | 88/09/21 |
| 9200073 | C022 | 310003 | 31SU | 23 | 11561 | 85/06/03 | 85/06/27 |
| 9200073 | F022 | TV5976 | 31SU | 23 | 11561 | 85/06/03 | 85/06/27 |

(59 rows affected)