

DATA DOCUMENTATION FORM

A00855

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

TV1453-TV1493 FO15

(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<br>Scripps Institution of Oceanography<br>UC San Diego<br>La Jolla, CA. 92093   |  |  |                                   |
| 2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED<br>Tropic Heat Experiment  |  | 3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT<br>N/A                      |                                   |
| 4. PLATFORM NAME(S)<br>TH2, TH3, TH4,<br>TH6, TH8, TH10,<br>TH11   | 5. PLATFORM TYPE(S)<br>(E.G., SHIP, BUOY, ETC.)<br><del>Ship</del><br>Surface-buoyed<br>Moorings | 6. PLATFORM AND OPERATOR<br>NATIONALITY(IES)   | 7. DATES                          |
|  |  | PLATFORM OPERATOR  | FROM: MO, DAY, YR TO: MO, DAY, YR |
| USA  |  | USA 10/21/83 7/3/85  |                                   |
| 8. ARE DATA PROPRIETARY?<br><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES<br>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)?<br>(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)<br><input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)<br>TOGA Data Centers |  | GENERAL AREA   |                                   |
| 10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)<br>Dr. Robert A. Knox<br>619-534-2094   |  |  |                                   |

## B. SCIENTIFIC CONTENT

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

### EXAMPLE (HYPOTHETICAL INFORMATION)

| NAME OF DATA FIELD | REPORTING UNITS OR CODE             | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING |
|--------------------|-------------------------------------|--|--|---|
| Salinity           | ‰                                   | Nansen bottles   | Inductive salinometer<br>(Hytech model S510)                           | N/A<br>(Not applicable)                                 |
|                    |                                     | STD<br>Bissett-Berman<br>Model 9006                                  | N/A  | Values averaged over<br>5-meter intervals               |
| Water color        | Forel scale                         | Visual comparison<br>with Forel bottles                              | N/A  | N/A   |
| Sediment size      | φ units and<br>percent by<br>weight | Ewing corer  | Standard sieves.<br>Carbonate fraction<br>removed by acid<br>treatment | Same as "Sedimentary<br>Rock Manual," Folk '65          |

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

### B. SCIENTIFIC CONTENT

| NAME OF DATA FIELD                   | REPORTING UNITS OR CODE | METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL) | ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES | DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING  |
|--------------------------------------|-------------------------|--|--|--|
| U (east) component of water current  | cm/sec                  | E-G and Davis VMCM's; and VACM's                                     | N/A  | Conservative, subjective editing of very bad points followed by linear interpolation. All data thoroughly checked for time axis and sampling interval consistency. Currents have been rotated to geographic coordinates. |
| V (north) component of water current | cm/sec                  | "  | N/A  |  |
| T, water temperature                 | deg. C.                 | " Also, Draper T/P recorders.  | N/A  |  |
|                                      |                         |  |  |  |

**B. SCIENTIFIC CONTENT**

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

## C. DATA FORMAT

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

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

### C. DATA FORMAT

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

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Twenty header lines followed by data in 5E15.7 format.  
(line = logical record = 80 characters)

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Jeff Bytof, 619-534-4834  
ADDRESS UC San Diego, A-030, La Jolla, CA. 92093

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 checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>  | <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <pre style="font-family: monospace; border: 1px dashed black; padding: 5px;"> ***** * TROPIC HEAT EXPERIMENT * * * * 9 tracks/6250 bpi/ASCII * * 147 files * * logical record length = 80 * * blocking factor = 200 * * * * Jeff Bytof * * Scripps Institution of Oceanography * * UCSD, A-030 * * La Jolla, CA 92093 * *****                 </pre> |
| <p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input checked="" type="checkbox"/> <u>6250 BPI</u></p> | <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="font-size: 1.2em;">16,000</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="font-size: 1.5em;">8</p>  |

RECORD FORMAT DESCRIPTION

RECORD NAME "HEADER" (logical records 1 to 20). ("line" = "logical record")

| 14. FIELD NAME | 15. POSITION<br>MEASURED<br>IN lines<br>(e.g., bits, bytes) | 16. LENGTH |        | 17. ATTRIBUTES          | 18. USE AND MEANING   |
|----------------|---|------------|--------|-------------------------|---|
|                |   | NUMBER     | UNITS  |                         |   |
| N.A.           | 1   |            | chars. | A80                     | file organization description   |
| source_file    | 2   |            | "      | A13                     | source file name:<br>THn_ddd.p where<br>n = buoy number<br>= 2, 3, 4, 6, 8, 10 or 11.<br>ddd = instrument depth in meters<br>p = parameter<br>= U, V or T |
| gmt            | 3   |            | "      | I4, Z12, 1X,<br>Z12, I4 | Start and End GMT<br>(YYYYMMDD.HHMMSSSS)  |
| npts           | 4   |            | "      | I10                     | number of data points   |
| datint         | 5   |            | "      | I10                     | time interval between points<br>in seconds.   |
| chbuoy         | 6   |            | "      | A10                     | buoy name.  |
| posit          | 7   |            | "      | A10                     | geographical location of buoy   |
| depth          | 8   |            | "      | F10.1                   | depth of instrument in meters   |
| inst_name      | 9   |            | "      | 2X, A8                  | name of instrument  |
| miss_val       | 10  |            | "      | F10.1                   | missing value code  |
| type           | 11  |            | "      | A1                      | data type parameter<br>U = east current in cm/sec.<br>V = north current in cm/sec.<br>T = water temp. in deg C.   |
| info           | 12-20   |            | "      | A80                     | Additional information -<br>probably blank.   |

RECORD FORMAT DESCRIPTION

RECORD NAME "DATA" (logical records 21 on) ("line" = "logical records")

| 14. FIELD NAME | 15. POSITION<br><del>MEASURED</del><br>MEASURED<br>IN <u>lines</u><br>(e.g., bits, bytes) | 16. LENGTH |       | 17. ATTRIBUTES                         | 18. USE AND MEANING  |
|----------------|---|------------|-------|--|----------------------|
|                |   | NUMBER     | UNITS |  |                      |
| data           | 21 to<br>EOF  |            | chars | 5E15.7<br>(can be read<br>with 5F15.0) | time series of data. |
|                |   |            |       |  |                      |



## RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

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

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

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

### D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

| INSTRUMENT TYPE<br>(MFR., MODEL NO.) | DATE OF LAST<br>CALIBRATION | INSTRUMENT WAS CALIBRATED BY    |                                      | CHECK ONE:<br>INSTRUMENT IS CALIBRATED |                                      |                                       |                                    |                                | INSTRUMENT<br>IS<br>NOT<br>CALI-<br>BRATED<br><br>(✓) |
|--------------------------------------|-----------------------------|---------------------------------|--------------------------------------|--|--------------------------------------|---------------------------------------|------------------------------------|--------------------------------|---|
|                                      |                             | YOUR<br>ORGANIZATION<br><br>(✓) | OTHER<br>ORGANIZATION<br>(GIVE NAME) | AT FIXED<br>INTERVALS<br><br>(✓)       | BEFORE<br>OR<br>AFTER USE<br><br>(✓) | BEFORE<br>AND<br>AFTER USE<br><br>(✓) | ONLY<br>AFTER<br>REPAIR<br><br>(✓) | ONLY<br>WHEN<br>NEW<br><br>(✓) |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |
|                                      |                             |                                 |                                      |  |                                      |                                       |                                    |                                |   |



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
NATIONAL ENVIRONMENTAL SATELLITE, DATA,  
AND INFORMATION SERVICE  
Washington, D.C. 20233

TRANSMITTAL

NATIONAL OCEANOGRAPHIC DATA CENTER  
UNIVERSAL BUILDING SOUTH, RM 416  
1825 CONNECTICUT AVE. N.W.  
WASHINGTON D.C. 20235

E/OC 13 ANTHONY PICCIOLO

Forwarded : Magnetic Tape containing current meter data.  
DDF  
Copy of Header Records(147 files)

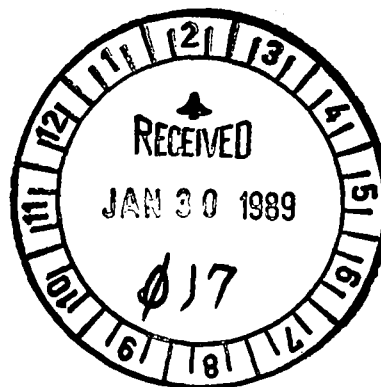
Data are from the NSF funded "Tropical Heat Experiment"  
PI- Dr.Robert Knox,SIO

Please acknowledge receipt of data and forwarded the assigned  
NODC Reference Numbers to the submitter.

THANK YOU

Nelson Ross  
Liaison Officer

January 26, 1989




8900016

| PROCESS<br>NUMBER | REF<br>NUMBER | FILE<br>TYPE | PROJ<br>CODE | INST | PLAT | CRUISE<br>NO | CRUISE<br>START | CRUISE<br>END | NUM<br>STA | NUM<br>REC |
|-------------------|---------------|--------------|--------------|------|------|--------------|-----------------|---------------|------------|------------|
| 8900016           | TV1453        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 04/24/84      | 1          | 17,505     |
| 8900016           | TV1454        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 04/24/84      | 1          | 17,505     |
| 8900016           | TV1455        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 04/24/84      | 1          | 17,505     |
| 8900016           | TV1456        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 03/28/84      | 1          | 14,921     |
| 8900016           | TV1457        | F015         | 0191         | 3101 | 317F |              | 01/23/84        | 04/28/84      | 1          | 9,173      |
| 8900016           | TV1458        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/28/84      | 1          | 18,062     |
| 8900016           | TV1459        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/28/84      | 1          | 18,062     |
| 8900016           | TV1460        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/27/84      | 1          | 33,776     |
| 8900016           | TV1461        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/27/84      | 1          | 33,776     |
| 8900016           | TV1462        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 9,139      |
| 8900016           | TV1463        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 9,139      |
| 8900016           | TV1464        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 18,276     |
| 8900016           | TV1465        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 18,276     |
| 8900016           | TV1466        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 06/29/84      | 1          | 5,930      |
| 8900016           | TV1467        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 17,910     |
| 8900016           | TV1468        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 17,910     |
| 8900016           | TV1469        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 35,818     |
| 8900016           | TV1470        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 35,818     |
| 8900016           | TV1471        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 35,818     |
| 8900016           | TV1472        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1473        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1474        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1475        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1476        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1477        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1478        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016           | TV1479        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 38,095     |
| 8900016           | TV1480        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1481        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1482        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1483        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1484        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1485        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1486        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016           | TV1487        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 37,646     |
| 8900016           | TV1488        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,679     |
| 8900016           | TV1489        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 03/28/85      | 1          | 10,506     |
| 8900016           | TV1490        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,679     |
| 8900016           | TV1491        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 02/04/85      | 1          | 5,552      |
| 8900016           | TV1492        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,680     |
| 8900016           | TV1493        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,677     |

8900016

03/03/89

TO: E/OC12 - Branch Chief 

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

---

Current Meters (F015)

Acc: 8900016 Ref: TV1453 - TV1493 41 sta. 813,605 rec.

Scripps Instit.

(Tropic Heat Experiment)

cc: Division Director

03/03/89

TO: E/OC12 - Branch Chief  
E/OC11 - P. Hadsell  
FROM: E/OC13 - A. Picciolo  
SUBJECT: Data Transfer

1493  
1453  
40  
41

The following listed data sets have been transferred as indicated:

---

Current Meters

(F015)

Acc: 8900016 Ref: TV1453 - TV1493 41 sta. 813,605 rec.

Scripps Instit.

(Tropic Heat Experiment)

cc: Division Director

| ACCESS<br>NUMBER | REF<br>NUMBER | FILE<br>TYPE | PROJ<br>CODE | INST | PLAT | CRUISE<br>NO | CRUISE<br>START | CRUISE<br>END | NUM<br>STA | NUM<br>REC |
|------------------|---------------|--------------|--------------|------|------|--------------|-----------------|---------------|------------|------------|
| 8900016          | TV1453        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 04/24/84      | 1          | 17,505     |
| 8900016          | TV1454        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 04/24/84      | 1          | 17,505     |
| 8900016          | TV1455        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 04/24/84      | 1          | 17,505     |
| 8900016          | TV1456        | F015         | 0191         | 3101 | 317F |              | 10/25/83        | 03/28/84      | 1          | 14,921     |
| 8900016          | TV1457        | F015         | 0191         | 3101 | 317F |              | 01/23/84        | 04/28/84      | 1          | 9,173      |
| 8900016          | TV1458        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/28/84      | 1          | 18,062     |
| 8900016          | TV1459        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/28/84      | 1          | 18,062     |
| 8900016          | TV1460        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/27/84      | 1          | 33,776     |
| 8900016          | TV1461        | F015         | 0191         | 3101 | 317F |              | 10/23/83        | 04/27/84      | 1          | 33,776     |
| 8900016          | TV1462        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 9,139      |
| 8900016          | TV1463        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 9,139      |
| 8900016          | TV1464        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 18,276     |
| 8900016          | TV1465        | F015         | 0191         | 3101 | 317F |              | 04/30/84        | 08/03/84      | 1          | 18,276     |
| 8900016          | TV1466        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 06/29/84      | 1          | 5,930      |
| 8900016          | TV1467        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 17,910     |
| 8900016          | TV1468        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 17,910     |
| 8900016          | TV1469        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 35,818     |
| 8900016          | TV1470        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 35,818     |
| 8900016          | TV1471        | F015         | 0191         | 3101 | 317F |              | 04/28/84        | 11/01/84      | 1          | 35,818     |
| 8900016          | TV1472        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1473        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1474        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1475        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1476        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1477        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1478        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 20,318     |
| 8900016          | TV1479        | F015         | 0191         | 3101 | 317F |              | 11/30/84        | 06/30/85      | 1          | 38,095     |
| 8900016          | TV1480        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1481        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1482        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1483        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1484        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1485        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1486        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 20,078     |
| 8900016          | TV1487        | F015         | 0191         | 3101 | 317F |              | 12/06/84        | 07/03/85      | 1          | 37,646     |
| 8900016          | TV1488        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,679     |
| 8900016          | TV1489        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 03/28/85      | 1          | 10,506     |
| 8900016          | TV1490        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,679     |
| 8900016          | TV1491        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 02/04/85      | 1          | 5,552      |
| 8900016          | TV1492        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,680     |
| 8900016          | TV1493        | F015         | 0191         | 3101 | 317F |              | 12/09/84        | 04/30/85      | 1          | 13,677     |



ACCESSION NO. 8900016

FILETYPE F015

TRACK NO. \_\_\_\_\_

PROJECT IDENTIFICATION \_\_\_\_\_

CURRENT METER

TROPICAL HEAT EXP

| STEP               | DATE    | INIT. | TAPE OR DISK DSN. | NO. FILES | RECL | BLK SIZE | NO. RECORDS |
|--------------------|---------|-------|-------------------|-----------|------|----------|-------------|
| 1G. TAPE           | 2/1/89  | 1K    | A00855            | 147       | 80   | 16000    | 588,718     |
| DUPLICATE TAPE     | 2/2/89  | 1K    | W13153            | 147       | 80   | 16000    | 588,718     |
| UNFORMATTED TAPE   |         |       |                   |           |      |          |             |
| UNFORMATTED DISK   | 2/23/89 | R.P.S | W08706*           | L         | 60   | 6000     | 813,605     |
| FIRST MULCHEK      |         |       |                   |           |      |          |             |
| FINAL MULCHEK      |         |       |                   |           |      |          |             |
| 075 OR F022        |         |       |                   |           |      |          |             |
| DATA SET FINALIZED |         |       |                   |           |      |          |             |

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

TV1453.

Block 8118 811,600 records D015P

\* LABEL = ~~7~~

DNODC \* MERGEALLOUT.

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

REMARKS (TRACKS DELETED, FIELDS DELETED, ETC.)

NAME: **HALMINSKI**      PHONE # **673-5643**      ORG/TASK # \_\_\_\_\_      DATE SUBMITTED \_\_\_\_\_      DATE DUE \_\_\_\_\_      BIN # \_\_\_\_\_

ITEM TO BE USED AND FUNCTION TO BE PERFORMED

INPUT MEDIUM: **APER CARD DISK (TAPE) SKETTE OTHER(SPECIFY)**      OUTPUT MEDIUM: **CARD DISK PRINT (TAPE) PLOT DISKETTE OTHER(SPECIFY)**

TAPE/DISKETTE INFORMATION

| TAPE #/<br><del>DISKETTE</del> | SLOT #           | TRK   | DENSITY     | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILE |               |
|--------------------------------|------------------|---|-------------|--------|---------------|----------------|------------------|--------------------|--------------|---------------|
| <b>W/3153</b>                  |                  | <b>9</b>  | <b>1250</b> |        | <b>NL</b>     | <b>FB</b>      | <b>80</b>        | <b>16,000</b>      | <b>147</b>   |               |
| SECTOR<br>SIZE                 | EXCHANGE<br>TYPE | CODE:<br>(ASCII) EBCDIC BCD SDF<br>OTHER(SPECIFY) |             |        |               | DATA SET NAME  |                  |                    |              | PURGE<br>DATE |
| TAPE #/<br><del>DISKETTE</del> | SLOT #           | TRK   | DENSITY     | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILE |               |
|                                |                  |   |             |        |               |                |                  |                    |              |               |
| SECTOR<br>SIZE                 | EXCHANGE<br>TYPE | CODE:<br>(ASCII) EBCDIC BCD SDF<br>OTHER(SPECIFY) |             |        |               | DATA SET NAME  |                  |                    |              | PURGE<br>DATE |
| TAPE #/<br><del>DISKETTE</del> | SLOT #           | TRK   | DENSITY     | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILE |               |
| <b>W/3153</b>                  |                  | <b>9</b>  | <b>6250</b> |        | <b>NL</b>     | <b>FB</b>      | <b>80</b>        | <b>16,000</b>      | <b>147</b>   |               |
| SECTOR<br>SIZE                 | EXCHANGE<br>TYPE | CODE:<br>(ASCII) EBCDIC BCD SDF<br>OTHER(SPECIFY) |             |        |               | DATA SET NAME  |                  |                    |              | PURGE<br>DATE |

SPECIAL INSTRUCTIONS: **NEED "W" TAPE NUMBER**      ESTIMATED EXECUTION TIME: \_\_\_\_\_

FOR USER ONLY

| #                | DATE JOB<br>COMPLETED | START<br>TIME | END<br>TIME  | PRIORITY | DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED,<br>DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED |
|------------------|-----------------------|---------------|--------------|----------|---|
| <b>510/20/13</b> | <b>2/22/89</b>        | <b>09:15</b>  | <b>10:00</b> | <b>A</b> | <b>Completed by Andy.</b>   |

REMARKS

|                          |                            |            |                |        |      |
|--------------------------|----------------------------|------------|----------------|--------|------|
| NAME<br><b>HALMINSKI</b> | PHONE #<br><b>673-5643</b> | ORG/TASK # | DATE SUBMITTED | TE DUE | BR # |
|--------------------------|----------------------------|------------|----------------|--------|------|

ATTENTION TO BE USED AND FUNCTION TO BE PERFORMED

USE ATTACHED

|  |  |
|--|--|
| INPUT MEDIUM<br>PAPER CARD DISK <b>(TAPE)</b><br>DISKETTE OTHER(SPECIFY) | OUTPUT MEDIUM<br>CARD DISK PRINT <b>(TAPE)</b> PLOT<br>DISKETTE OTHER(SPECIFY) |
|--|--|

TAPE/DISKETTE INFORMATION

|       | TAPE #/<br><del>DISKETTE</del> | SLOT #           | TRK   | DENSITY     | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILES |
|-------|--------------------------------|------------------|---|-------------|--------|---------------|----------------|------------------|--------------------|---------------|
| INPUT | <b>A00855</b>                  |                  | <b>9</b>  | <b>1250</b> |        | <b>NL</b>     | <b>FB</b>      | <b>80</b>        | <b>16000</b>       | <b>147</b>    |
|       | SECTOR<br>SIZE                 | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF<br>OTHER(SPECIFY) |             |        |               | DATA SET NAME  |                  |                    |               |
|       | TAPE #/<br>DISKETTE            | SLOT #           | TRK   | DENSITY     | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILES |
|       | SECTOR<br>SIZE                 | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF<br>OTHER(SPECIFY) |             |        |               | DATA SET NAME  |                  |                    |               |
| INPUT | <b>TAPIC</b>                   |                  | <b>9</b>  | <b>6250</b> |        | <b>NL</b>     | <b>FB</b>      | <b>80</b>        | <b>16000</b>       | <b>147</b>    |
|       | SECTOR<br>SIZE                 | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF<br>OTHER(SPECIFY) |             |        |               | DATA SET NAME  |                  |                    |               |

SPECIAL INSTRUCTIONS

**USE SCRATCH TAPE FOR COPY**

ESTIMATED  
EXECUTION  
TIME

OPERATOR USE ONLY

| #               | DATE JOB<br>COMPLETED | START<br>TIME | END<br>TIME  | PRIORITY | DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED,<br>DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED |
|-----------------|-----------------------|---------------|--------------|----------|---|
| <b>10-20-14</b> | <b>2/22/89</b>        | <b>08:50</b>  | <b>09:30</b> | <b>A</b> | <b>Completed by Andy</b>  |

REMARKS

HALMINSKI

273-5643

SUBMITTED

PERMIT TO BE USED AND FUNCTION TO BE PERFORMED

Y1

INPUT MEDIUM

PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM

CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

|       | TAPE #/<br>DISKETTE | SLOT #           | TRK  | DENSITY | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILE |              |
|-------|---------------------|------------------|--|---------|--------|---------------|----------------|------------------|--------------------|--------------|--------------|
| INPUT | 10-05               |                  | 9  | 6250    |        | 1/2           |                | 90               | 10,000             | 147          |              |
|       | SECTOR<br>SIZE      | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF.<br>OTHER(SPECIFY) |         |        |               | DATA SET NAME  |                  |                    |              | PURG<br>DATE |
|       | TAPE #/<br>DISKETTE | SLOT #           | TRK  | DENSITY | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILE |              |
|       | SECTOR<br>SIZE      | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF<br>OTHER(SPECIFY)  |         |        |               | DATA SET NAME  |                  |                    |              | PURG<br>DATE |
| INPUT | <del>DISKETTE</del> |                  |  |         |        |               |                |                  |                    |              |              |
|       | SECTOR<br>SIZE      | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF<br>OTHER(SPECIFY)  |         |        |               | DATA SET NAME  |                  |                    |              | PURG<br>DATE |
|       | TAPE #/<br>DISKETTE | SLOT #           | TRK  | DENSITY | PARITY | LABEL<br>TYPE | RECORD<br>TYPE | RECORD<br>LENGTH | MAX. BLOCK<br>SIZE | # OF<br>FILE |              |
|       | SECTOR<br>SIZE      | EXCHANGE<br>TYPE | CODE:<br>ASCII EBCDIC BCD SDF<br>OTHER(SPECIFY)  |         |        |               | DATA SET NAME  |                  |                    |              | PURG<br>DATE |

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

| DATE     | JOB COMPLETED | START TIME | END TIME | PRIORITY | DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED |
|----------|---------------|------------|----------|----------|---|
| 01/31/89 |               | 10:15      | 10:25    | C        | COMPLETED BY J.S  |

REMARKS

01/31/89

Password:

| accNo   | fleA | refNo  | proj | inst | ship | startDate  | cruise | catId  |
|---------|------|--------|------|------|------|------------|--------|--------|
| 8900016 | F015 | TV1478 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182582 |
| 8900016 | F015 | TV1479 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182583 |
| 8900016 | F015 | TV1480 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182584 |
| 8900016 | F015 | TV1481 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182585 |
| 8900016 | F015 | TV1482 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182586 |
| 8900016 | F015 | TV1483 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182587 |
| 8900016 | F015 | TV1484 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182588 |
| 8900016 | F015 | TV1485 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182589 |
| 8900016 | F015 | TV1486 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182590 |
| 8900016 | F015 | TV1487 | 0191 | 3101 | 317F | 1984/12/06 | NULL   | 182591 |
| 8900016 | F015 | TV1488 | 0191 | 3101 | 317F | 1984/12/09 | NULL   | 182592 |
| 8900016 | F015 | TV1489 | 0191 | 3101 | 317F | 1984/12/09 | NULL   | 182593 |
| 8900016 | F015 | TV1490 | 0191 | 3101 | 317F | 1984/12/09 | NULL   | 182594 |
| 8900016 | F015 | TV1491 | 0191 | 3101 | 317F | 1984/12/09 | NULL   | 182595 |
| 8900016 | F015 | TV1492 | 0191 | 3101 | 317F | 1984/12/09 | NULL   | 182596 |
| 8900016 | F015 | TV1493 | 0191 | 3101 | 317F | 1984/12/09 | NULL   | 182597 |
| 8900016 | F015 | TV1453 | 0191 | 3101 | 317F | 1983/10/25 | NULL   | 182557 |
| 8900016 | F015 | TV1454 | 0191 | 3101 | 317F | 1983/10/25 | NULL   | 182558 |
| 8900016 | F015 | TV1455 | 0191 | 3101 | 317F | 1983/10/25 | NULL   | 182559 |
| 8900016 | F015 | TV1456 | 0191 | 3101 | 317F | 1983/10/25 | NULL   | 182560 |
| 8900016 | F015 | TV1457 | 0191 | 3101 | 317F | 1984/01/23 | NULL   | 182561 |
| 8900016 | F015 | TV1458 | 0191 | 3101 | 317F | 1983/10/23 | NULL   | 182562 |
| 8900016 | F015 | TV1459 | 0191 | 3101 | 317F | 1983/10/23 | NULL   | 182563 |
| 8900016 | F015 | TV1460 | 0191 | 3101 | 317F | 1983/10/23 | NULL   | 182564 |
| 8900016 | F015 | TV1461 | 0191 | 3101 | 317F | 1983/10/23 | NULL   | 182565 |
| 8900016 | F015 | TV1462 | 0191 | 3101 | 317F | 1984/04/30 | NULL   | 182566 |
| 8900016 | F015 | TV1463 | 0191 | 3101 | 317F | 1984/04/30 | NULL   | 182567 |
| 8900016 | F015 | TV1464 | 0191 | 3101 | 317F | 1984/04/30 | NULL   | 182568 |
| 8900016 | F015 | TV1465 | 0191 | 3101 | 317F | 1984/04/30 | NULL   | 182569 |
| 8900016 | F015 | TV1466 | 0191 | 3101 | 317F | 1984/04/28 | NULL   | 182570 |
| 8900016 | F015 | TV1467 | 0191 | 3101 | 317F | 1984/04/28 | NULL   | 182571 |
| 8900016 | F015 | TV1468 | 0191 | 3101 | 317F | 1984/04/28 | NULL   | 182572 |
| 8900016 | F015 | TV1469 | 0191 | 3101 | 317F | 1984/04/28 | NULL   | 182573 |
| 8900016 | F015 | TV1470 | 0191 | 3101 | 317F | 1984/04/28 | NULL   | 182574 |
| 8900016 | F015 | TV1471 | 0191 | 3101 | 317F | 1984/04/28 | NULL   | 182575 |
| 8900016 | F015 | TV1472 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182576 |
| 8900016 | F015 | TV1473 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182577 |
| 8900016 | F015 | TV1474 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182578 |
| 8900016 | F015 | TV1475 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182579 |
| 8900016 | F015 | TV1476 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182580 |
| 8900016 | F015 | TV1477 | 0191 | 3101 | 317F | 1984/11/30 | NULL   | 182581 |

(41 rows affected)

Password:

| accNo   | fleA | refNo  | ship | staCnt | recCnt | startDate | endDate  |
|---------|------|--------|------|--------|--------|-----------|----------|
| 8900016 | F015 | TV1478 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1479 | 317F | 8      | 38095  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1480 | 317F | 8      | 20078  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1481 | 317F | 8      | 18006  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1482 | 317F | 8      | 20078  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1483 | 317F | 8      | 20078  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1484 | 317F | 8      | 20078  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1485 | 317F | 8      | 20078  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1486 | 317F | 8      | 20078  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1487 | 317F | 8      | 37646  | 84/12/06  | 85/07/01 |
| 8900016 | F015 | TV1488 | 317F | 5      | 13679  | 84/12/09  | 85/04/01 |
| 8900016 | F015 | TV1489 | 317F | 4      | 10506  | 84/12/09  | 85/03/01 |
| 8900016 | F015 | TV1490 | 317F | 5      | 13679  | 84/12/09  | 85/04/01 |
| 8900016 | F015 | TV1491 | 317F | 3      | 5552   | 84/12/09  | 85/02/01 |
| 8900016 | F015 | TV1492 | 317F | 5      | 13680  | 84/12/09  | 85/04/01 |
| 8900016 | F015 | TV1493 | 317F | 5      | 13677  | 84/12/09  | 85/04/01 |
| 8900016 | F015 | TV1453 | 317F | 7      | 17505  | 83/10/25  | 84/04/01 |
| 8900016 | F015 | TV1454 | 317F | 7      | 17505  | 83/10/25  | 84/04/01 |
| 8900016 | F015 | TV1455 | 317F | 7      | 17505  | 83/10/25  | 84/04/01 |
| 8900016 | F015 | TV1456 | 317F | 6      | 14921  | 83/10/25  | 84/03/01 |
| 8900016 | F015 | TV1457 | 317F | 4      | 9173   | 84/01/23  | 84/04/01 |
| 8900016 | F015 | TV1458 | 317F | 7      | 18062  | 83/10/23  | 84/04/01 |
| 8900016 | F015 | TV1459 | 317F | 7      | 18062  | 83/10/23  | 84/04/01 |
| 8900016 | F015 | TV1460 | 317F | 7      | 33776  | 83/10/23  | 84/04/01 |
| 8900016 | F015 | TV1461 | 317F | 7      | 33776  | 83/10/23  | 84/04/01 |
| 8900016 | F015 | TV1462 | 317F | 5      | 9139   | 84/04/30  | 84/08/01 |
| 8900016 | F015 | TV1463 | 317F | 5      | 9139   | 84/04/30  | 84/08/01 |
| 8900016 | F015 | TV1464 | 317F | 5      | 18276  | 84/04/30  | 84/08/01 |
| 8900016 | F015 | TV1465 | 317F | 5      | 18276  | 84/04/30  | 84/08/01 |
| 8900016 | F015 | TV1466 | 317F | 3      | 5930   | 84/04/28  | 84/06/01 |
| 8900016 | F015 | TV1467 | 317F | 8      | 17910  | 84/04/28  | 84/11/01 |
| 8900016 | F015 | TV1468 | 317F | 8      | 17910  | 84/04/28  | 84/11/01 |
| 8900016 | F015 | TV1469 | 317F | 8      | 35818  | 84/04/28  | 84/11/01 |
| 8900016 | F015 | TV1470 | 317F | 8      | 35818  | 84/04/28  | 84/11/01 |
| 8900016 | F015 | TV1471 | 317F | 8      | 35818  | 84/04/28  | 84/11/01 |
| 8900016 | F015 | TV1472 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1473 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1474 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1475 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1476 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |
| 8900016 | F015 | TV1477 | 317F | 8      | 20318  | 84/11/30  | 85/06/01 |

(41 rows affected)