DSC #800

ISEE-3

PLASMA (84-S) & B-FIELD (1-MIN) TAIL DATA

78-079A-01Q

78-079A-02P

SPHE-00426

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

http://nssdc.gsfc.nasa.gov/nmc/

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/

b. Core Catalog Materials

REQ. AGENT	RAND NO.	ACQ. AGENT
RLR		SK

ISEE-3

PLASMA (84-5) & B-FIELD (1-M) TAIL DATA

78-079A-01Q/78-079A-02P SPHE-00426

This data set catalog consists of two tapes. The tapes are 6250 bpi, 9-track, multifiled, ascii, created using the VAX/VMS Copy utility. The D and C numbers, time spans, and number of files are as follows:

D#	C#	FILES	TIME SPANS
D-85846	C-29202	24	10/17/82 - 05/31/83
D-85847	C-29203	21	06/01/83 - 12/21/83

Los Alamos
NATIONAL LABORATORY

Space Science and Technology Division
SST-8 • Space Plasma Physics • D438
Los Alamos, New Mexico 87545
(505) 667-3101 • FTS 843-3101
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Date: 20 February 1992
Refer to: SST-8:92-174

Mr. Ralph Post
NSSDC
Bldg. 26, Room 119
NASA/GSFC - Code 933
Greenbelt, MD 20771

Dear Mr. Post:

Enclosed are two tapes of ISEE-3 data, together with tape description and data description, for contribution to the Data Center. The tapes contain the merged plasma and magnetic field data set for the ISEE-3 geotail interval, December 1982 to September 1983. These data were published by NSSDC in plot form in two volumes: WDC-A-R&S 90-11 and 90-12, but had not previously been submitted in digital form. Thank you for your support.

Sincerely,

John L. Phillips

John L. Phillips

Cy: J.T. Gosling (LANL)
E.J. Smith (NASA/JPL)
S. Krishnaswamy (NSSDC)
D.H. Fairfield (NASA/GSFC)

An Equal Opportunity Employer/Operated by the University of California

78-079A-01Q
78-079A-02P

ISEE-3 Magnetotail Merged Plasma and Magnetic Field Tape Description

Two tapes: IC3MTA and IC3MTB
Created with the VAX/VMS Copy utility
Standard Label
6250 BPI
2048-byte blocks

IC3MTA contains the following monthly files (file name is YYMM.17)

8210.17	1370 Blocks
8211.17	2279
8212.17	2379
8301.17	2584
8302.17	2958
8303.17	10807
8304.17	7519
8305.17	6612

IC3MTB contains the following monthly files (file name is YYMM.17)

8306.17	6325 Blocks
8307.17	9388
8308.17	10360
8309.17	3301
8310.17 (no magnetotail data)	5570
8311.17 (no magnetotail data)	2705
8312.17 (no magnetotail data)	2016

78-079A-01Q
78-079A-02P

ISEE-3 Magnetotail Merged Plasma and Magnetic Field Data Description

FILE ORGANIZATION: Sequential
RECORD FORMAT: Variable Length
RECORD ATTRIBUTES: Carriage Return, Carriage Control

Integer IYYMMDD
Real*4 SECONDS, TDATA(3:17)

ELEMENTS:

1	IYYMMDD
2	SECONDS
3	GSEX (Re)
4	GSEY (Re)
5	GSEZ (Re)
6	GSMX (Re)
7	GSMY (Re)
8	GSMZ (Re)
9	Electron Density (cm-3)
10	Electron Bulk Speed (km/s)
11	Electron Temperature (K)
12	Ecliptic Flow Angle (deg)
13	B Magnitude (nT)
14	B Latitude (GSE) (deg)
15	B Longitude (GSE) (deg)
16	B Standard Deviation (nT)
17	Region ID

```
1000  Format (1X,I6,F10.2,6F9.1/,1X,9E12.4)
      Read(1,1000,end=99) IYYMMDD,SECONDS,(TDATA(J),J=3,17)
```

Magnetotail ID (element 17) Key:

+0.9 to +1.2 = Magnetotail North Lobe
-1.2 to -0.9 = Magnetotail South Lobe
+1.8 to +2.2 = North Magnetosheath
-2.2 to -1.8 = South Magnetosheath
0. = Plasma Sheet
-2.8 = Other

Please acknowledge J.T. Gosling (plasma PI at LANL) and/or E.J. Smith (magnetometer PI at JPL) when using these data.

ASCII LIST OF D-85846

Start: 10/17/82 Record 1 File 2

Stop: 5/31/83 Record 6611 File 23

```
$JOB     7:42:42
$ASS IN H T1
$NOP
$NOP
$NOP
$NOP
$NOP ========================================= LIST OF R01001
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=10 1 1 2

 TAPE NO.   1                FILE NO.   2
 RECORD     1                LENGTH    2048
0075 821017    2761.04    -26.2      59.1       1.0     -26.2      58.1     -11.10113   0.5989E+01  0.592
5E+03  0.1831E+06  0.3571E+03  0.1180E+02  0.2941E+02  0.3076E+03  0.6539E+00 -0.2000E+010075 82101
7   2844.96    -26.2      59.1       1.0     -26.2      58.0     -11.25113   0.6012E+01  0.5882E+03  0.1
874E+06  0.3545E+03  0.1163E+02  0.2604E+02  0.3079E+03  0.8247E+00 -0.2000E+010075 821017   2928.9
2    -26.2      59.1       1.0     -26.2      58.0     -11.20113   0.6075E+01  0.5956E+03  0.1834E+06  0
.3595E+03  0.1159E+02  0.2528E+02  0.3122E+03  0.1403E+01 -0.2000E+010075 821017   3012.88    -26.3
     59.1       1.0     -26.3      58.0     -11.30113   0.6050E+01  0.5757E+03  0.1823E+06  0.3564E+03
 0.1155E+02  0.2054E+02  0.3146E+03  0.1129E+01 -0.2000E+010075 821017   3096.84    -26.3      59.1
     1.0     -26.3      58.0     -11.30113   0.6168E+01  0.5659E+03  0.1834E+06  0.3527E+03  0.1149E+0
2  0.1710E+02  0.3163E+03  0.1133E+01 -0.2000E+010075 821017   3180.81    -26.3      59.1       1.0
   -26.3      58.0     -11.30113   0.6355E+01  0.6044E+03  0.1836E+06  0.3574E+03  0.1150E+02  0.2492E
+02  0.3185E+03  0.1817E+01 -0.2000E+010075 821017   3264.77    -26.3      59.1       1.0     -26.3
   58.0     -11.40113   0.6323E+01  0.5649E+03  0.1811E+06  0.3565E+03  0.1147E+02  0.1221E+02  0.314
1E+03  0.2503E+01 -0.2000E+010075 821017   3348.73    -26.3      59.1       1.0     -26.3      58.0
-11.40113   0.6637E+01  0.6173E+03  0.1806E+06  0.3540E+03  0.1127E+02  0.1903E+01  0.3141E+03  0.2
502E+01 -0.2000E+010075 821017   3432.69    -26.3      59.1       1.0     -26.3      57.9     -11.50113
  0.6672E+01  0.5989E+03  0.1774E+06  0.3595E+03  0.1116E+02  0.2143E+02  0.3054E+03  0.1043E+01 -0
.2000E+010075 821017   3516.66    -26.3      59.1       1.0     -26.3      57.9     -11.50113   0.6807E+
01  0.5941E+03  0.1778E+06  0.3574E+03  0.1108E+02  0.1930E+02  0.3084E+03  0.1227E+01 -0.2000E+010
075 821017   3600.62    -26.3      59.0       1.0     -26.3      57.9     -11.6^^^
```

```
740E+06  0.3530E+03  0.1102E+02 -0.2235E+02  0.3482E+03  0.3392E+00 -0.2000E+010075 821017   4692.1
2    -26.5      59.0       1.0    -26.5      57.7    -12.10113   0.6504E+01  0.5979E+03  0.1827E+06  0
.3494E+03  0.1101E+02 -0.2349E+02  0.3509E+03  0.3736E+00 -0.2000E+010075 821017   4776.09    -26.5
     59.1       1.0    -26.5      57.7    -12.20113   0.6286E+01  0.5854E+03  0.1855E+06  0.3562E+03
 0.1100E+02 -0.2580E+02  0.3511E+03  0.7638E+00 -0.2000E+010075 821017   4860.05    -26.5      59.0
     1.0    -26.5      57.7    -12.20113   0.6716E+01  0.5930E+03  0.1669E+06  0.3550E+03  0.1097E+0
2 -0.2704E+02  0.3450E+03  0.4999E+00 -0.2000E+010075 821017   4944.01    -26.6      59.0       1.0
    -26.6      57.7    -12.30113   0.6560E+01  0.5845E+03  0.1737E+06  0.3501E+03  0.1110E+02 -0.2479E
+02  0.3539E+03  0.7579E+00 -0.2000E+010075 821017   5027.97    -26.6      58.9       1.0    -26.6
    57.6    -12.30113   0.6452E+01  0.6006E+03  0.1846E+06  0.3545E+03  0.1115E+02 -0.2294E+02  0.357
5E+03  0.5155E+00 -0.2000E+010075 821017   5111.93    -26.6      58.9       1.0    -26.6      57.6
-12.40113   0.6380E+01  0.5677E+03  0.1839E+06  0.3520E+03  0.1111E+02 -0.2308E+02  0.7042E+00  0.9
661E+00 -0.2000E+010075 821017   5195.9[illegible]    -26.6      58.9       1.0    -26.6      57.6    -12.40113
  0.6560E+01  0.6135E+03  0.1847E+06  0.3496E+03  0.1107E+02 -0.2390E+02  0.3563E+03  0.1035E+01 -0
.2000E+010075 821017   5279.86    -26.6      58.9       1.0    -26.6      57.6    -12.50113   0.7062E+
01  0.6370E+03  0.1698E+06  0.3566E+03  0.1082E+02 -0.2859E+02  0.3516E+03  0.1942E+01 -0.2000E+010
075 821017   5363.82    -26.6      58.9       1.0    -26.6      57.6    -12.5^^^
```

```
3      56.5     -15.50113    0.6563E+01   0.5998E+03   0.1874E+06   0.3549E+03   0.1000E+02 -0.3267E+02   0
.3592E+03   0.1175E+01  -0.2000E+010075 821017    9813.81     -27.3      58.6       1.1     -27.3      56.5
     -15.60113    0.6958E+01   0.6343E+03   0.1798E+06   0.3528E+03   0.1009E+02 -0.4235E+02   0.3558E+03
  0.9943E+00  -0.2000E+010075 821017    9897.77     -27.3      58.6       1.1     -27.3      56.5     -15.70
113    0.6980E+01   0.6740E+03   0.1814E+06   0.3528E+03   0.1008E+02 -0.4504E+02   0.3571E+03   0.1184E+0
1 -0.2000E+01
```

```
 TAPE NO.    1                FILE NO.    2
 RECORD    9                  LENGTH    2048
0075 821017    5981.73     -27.3      58.6       1.1     -27.3      56.5     -15.70113    0.7014E+01   0.650
1E+03   0.1721E+06   0.3557E+03   0.9930E+01  -0.4009E+02   0.6828E+00   0.2338E+01 -0.2000E+010075 82101
7  10965.69     -27.4      58.6       1.1     -27.4      56.4     -15.80113    0.7035E+01   0.5736E+03   0.1
543E+06   0.3552E+03   0.1009E+02 -0.1323E+02   0.3349E+03   0.3113E+01 -0.2000E+010075 821017   10317.5
8     -27.4      58.6       1.1     -27.4      56.4     -16.00113    0.6740E+01   0.6060E+03   0.1717E+06   0
.3579E+03   0.1015E+02 -0.3736E+02   0.3421E+03   0.3480E+01 -0.2000E+010075 821017   10401.54     -27.4
     58.6       1.1     -27.4      56.3     -16.60113    0.6722E+01   0.6559E+03   0.1784E+06   0.3545E+03
 0.9957E+01 -0.3404E+02   0.3487E+03   0.2416E+01 -0.2000E+010075 821017   10485.50     -27.4      58.6
     1.1     -27.4      56.3     -16.10113    0.6471E+01   0.6388E+03   0.1686E+06   0.3480E+03   0.9940E+0
1 -0.2825E+02   0.3431E+03   0.1702E+01 -0.2000E+010075 821017   10905.31     -27.5      58.5       1.1
  -27.5      56.2     -16.50113    0.7062E+01   0.5888E+03   0.1755E+06   0.3538E+03   0.1023E+02   0.2446E
+01   0.3376E+03   0.7957E+00 -0.2000E+010075 821017   10989.28     -27.5      58.5       1.1     -27.5
  56.2     -16.54113    0.6813E+01   0.5872E+03   0.1959E+06   0.3519E+03   0.1026E+02 -0.9966E+01   0.337
8E+03   0.6587E+00 -0.2000E+010075 821017   11073.24     -27.5      58.5       1.2     -27.5      56.1
-16.60113    0.6554E+01   0.5949E+03   0.2077E+06   0.3554E+03   0.1018E+02 -0.3547E+01   0.3364E+03   0.2
446E+01 -0.2000E+010075 821017   11157.20     -27.5      58.5       1.2     -27.5      56.1     -16.60113
  0.6516E+01   0.5971E+03   0.1745E+06   0.3567E+03   0.1012E+02   0.1072E+02   0.3174E+03   0.1501E+01 -0
.2000E+010075 821017   11241.16     -27.5      58.5       1.2     -27.5      56.1     -16.70113    0.6908E+
01   0.5807E+03   0.1697E+06   0.3548E+03   0.9989E+01  -0.2360E+00   0.3239E+03   0.1060E+01 -0.2000E+010
075 821017   11325.13     -27.6      58.5       1.2     -27.6      56.0     -16.8
```

```
 TAPE NO.    1                FILE NO.    2
 RECORD   10                  LENGTH    2048
0113    0.6985E+01   0.6064E+03   0.1726E+06   0.3583E+03   0.9951E+01 -0.8121E+01   0.3309E+03   0.8893E+
00 -0.2000E+010075 821017   11409.09     -27.6      58.5       1.2     -27.6      56.0     -16.80113    0.6
681E+01   0.6139E+03   0.1855E+06   0.3540E+03   0.9887E+01  -0.1778E+01   0.3348E+03   0.5818E+00 -0.2000
E+010075 821017   11493.05     -27.6      58.5       1.2     -27.6      56.0     -16.90113    0.6569E+01   0
.5661E+03   0.1523E+06   0.3519E+03   0.9836E+01  -0.1308E+01   0.3322E+03   0.8116E+00 -0.2000E+010075 8
21017   11577.01     -27.6      58.5       1.2     -27.6      56.0     -17.00113    0.6400E+01   0.5771E+03
 0.1934E+06   0.3558E+03   0.9882E+01   0.3523E+01   0.3337E+03   0.6764E+00 -0.2000E+010075 821017   116
60.97     -27.6      58.5       1.2     -27.6      56.0     -17.00113    0.7087E+01   0.6069E+03   0.1703E+0
6   0.3551E+03   0.9912E+01   0.6104E+01   0.3383E+03   0.1306E+01 -0.2000E+010075 821017   11744.93     -
27.6      58.5       1.2     -27.6      55.9     -17.10113    0.6745E+01   0.5750E+03   0.1770E+06   0.3540E
+03   0.9881E+01   0.4255E+01   0.3319E+03   0.7878E+00 -0.2000E+010075 821017   11828.90     -27.6      5
8.5       1.2     -27.6      55.9     -17.20113    0.6696E+01   0.6117E+03   0.1745E+06   0.3598E+03   0.992
6E+01   0.1100E+02   0.3169E+03   0.8586E+00 -0.2000E+010075 821017   11912.86     -27.7      58.5       1
.2     -27.7      55.9     -17.30113    0.6787E+01   0.5892E+03   0.1806E+06   0.3551E+03   0.9889E+01   0.1
481E+02   0.3281E+03   0.9572E+00 -0.2000E+010075 821017   11996.82     -27.7      58.5       1.2     -27.
7      55.8     -17.30113    0.6689E+01   0.5744E+03   0.1952E+06   0.3512E+03   0.9924E+01   0.8165E+01   0
.3314E+03   0.7982E+00 -0.2000E+010075 821017   12080.78     -27.7      58.4       1.2     -27.7      55.8
     -17.40113    0.6808E+01   0.5843E+03   0.1721E+06   0.3590E+03   0.9986E+01   0.7886E+01   0.3308E+03
 0.5600E+00 -0.2000E+010075 821017   12164.75     -27.7      58.4       1.2     -27.7      55.8     -17.50
113    0.6911E+01   0.6047E+03   0.1720E+06   0.3564E+03   0.9984E+01   0.1071E+02   0.3268E+03   0.1299E+0
1 -0.2000E+01
```

```
***** JOB DONE.
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=6602=11 1 1 23

 TAPE NO.    1                FILE NO.   23
 RECORD   6602                LENGTH    2048
0113    0.7864E+01   0.4277E+03   0.1884E+06   0.7544E+01   0.1001E+02 -0.1165E+02   0.1137E+03   0.1900E+
01 -0.2000E+010075 830531   84676.98    -217.6      -2.7     -23.3     -217.6       5.7     -22.80113    0.7
910E+01   0.4432E+03   0.2034E+06   0.2118E+01   0.9935E+01 -0.8284E+01   0.1033E+03   0.4752E+00 -0.2000
E+010075 830531   84688.98    -217.6      -2.7     -23.3     -217.6       5.7     -22.80113    0.7502E+01   0
```

File no. 23

```
+01  0.1042E+02 -0.9994E+01  0.1002E+03  0.3706E+00 -0.2000E+010075 830531  86104.35   -217.6      -
2.7     -23.3    -217.6       5.5      -22.80113    0.6628E+01  0.4995E+03  0.2086E+06  0.1818E+01  0.103
4E+02 -0.1051E+02  0.9459E+02  0.4913E+00 -0.2000E+010075 830531  86116.34   -217.6      -2.7     -23
.3    -217.6       5.5      -22.80113    0.7349E+01  0.4682E+03  0.2126E+06  0.3582E+03  0.1034E+02 -0.1
051E+02  0.9459E+02  0.4913E+00 -0.2000E+010075 830531  86128.34   -217.6      -2.7     -23.3    -217.
6       5.5      -22.80113    0.7092E+01  0.4731E+03  0.2069E+06  0.3593E+03  0.1034E+02 -0.1051E+02  0
.9459E+02  0.4913E+00 -0.2000E+010075 830531  86140.32   -217.6      -2.7     -23.3    -217.6       5.5
     -22.80113    0.7280E+01  0.4760E+03  0.2107E+06  0.3552E+03  0.1034E+02 -0.1051E+02  0.9459E+02
 0.4913E+00 -0.2000E+010075 830531  86152.32   -217.6      -2.7     -23.3    -217.6       5.5     -22.80
113    0.7304E+01  0.4653E+03  0.2084E+06  0.3573E+03  0.1034E+02 -0.1051E+02  0.9459E+02  0.4913E+0
0 -0.2000E+01
```

YR 83
MONTH 5
DAY 31

```
 TAPE NO.                    FILE NO.    23
 RECORD    6611              LENGTH    2048
0075 830531  86164.31   -217.6      -2.7     -23.3    -217.6       5.5     -22.80113    0.7423E+01  0.457
6E+03  0.2094E+06  0.3577E+03  0.1022E+02 -0.2316E+02  0.8451E+02  0.1238E+01 -0.2000E+010075 83053
1  86176.30   -217.6      -2.7     -23.3    -217.6       5.5     -22.80113    0.7423E+01  0.4752E+03  0.2
056E+06  0.3557E+03  0.1022E+02 -0.2316E+02  0.8451E+02  0.1238E+01 -0.2000E+010075 830531  86260.2
7   -217.6      -2.7     -23.3    -217.6       5.5     -22.80113    0.7528E+01  0.4799E+03  0.2094E+06  0
.6967E+03  0.1014E+02 -0.2241E+02  0.8439E+02  0.9243E+00 -0.2000E+010075 830531  86272.27   -217.6
     -2.7     -23.3    -217.6       5.5     -22.80113    0.7317E+01  0.5235E+03  0.2042E+06  0.3558E+03
 0.1010E+02 -0.2241E+02  0.8439E+02  0.9243E+00 -0.2000E+010075 830531  86284.27   -217.6      -2.7
    -23.3    -217.6       5.5     -22.80113    0.7445E+01  0.4886E+03  0.2062E+06  0.3575E+03  0.1003E+0
2 -0.2076E+02  0.7758E+02  0.8612E+00 -0.2000E+010075 830531  86296.26   -217.6      -2.7     -23.3
 -217.6       5.5     -22.80113    0.8024E+01  0.5133E+03  0.2106E+06  0.2122E+01  0.1003E+02 -0.2076E
+02  0.7758E+02  0.8612E+00 -0.2000E+010075 830531  86308.25   -217.6      -2.7     -23.3    -217.6
    5.5     -22.80113    0.7448E+01  0.5139E+03  0.2092E+06  0.2937E+01  0.1003E+02 -0.2076E+02  0.775
8E+02  0.8612E+00 -0.2000E+010075 830531  86320.24   -217.6      -2.7     -23.3    -217.6       5.4
-22.90113    0.7703E+01  0.4856E+03  0.2081E+06  0.3501E+03  0.1003E+02 -0.2076E+02  0.7758E+02  0.8
612E+00 -0.2000E+010075 830531  86332.23   -217.6      -2.7     -23.3    -217.6       5.4     -22.90113
    0.7806E+01  0.4748E+03  0.2070E+06  0.3538E+03  0.1003E+02 -0.2076E+02  0.7758E+02  0.8612E+00 -0
.2000E+010075 830531  86344.23   -217.6      -2.7     -23.3    -217.6       5.4     -22.90113    0.7716E+
01  0.4690E+03  0.2086E+06  0.1668E+01  0.1002E+02 -0.1623E+02  0.8733E+02  0.1037E+01 -0.2000E+010
075 830531  86356.23   -217.6      -2.7     -23.3    -217.6      -22.9
```

```
 TAPE NO.    1               FILE NO.    23
 RECORD    6612              LENGTH    2048
0113    0.7878E+01  0.4426E+03  0.2094E+06  0.3569E+03  0.1002E+02 -0.1623E+02  0.8733E+02  0.1037E+
01 -0.2000E+010075 830531  86368.23   -217.6      -2.7     -23.3    -217.6       5.4     -22.90113    0.7
707E+01  0.4891E+03  0.2107E+06  0.3566E+03  0.1002E+02 -0.1623E+02  0.8733E+02  0.1037E+01 -0.2000
E+010075 830531  86380.23   -999.0    -999.0    -999.0    -999.0    -999.0    -999.00113    0.7389E+01  0
.4783E+03  0.2077E+06  0.2827E+01  0.1002E+02 -0.1623E+02  0.8733E+02  0.1037E+01 -0.2000E+010075 8
30531  86392.22   -999.0    -999.0    -999.0    -999.0    -999.0    -999.00113    0.7017E+01  0.4446E+03
 0.2101E+06  0.4415E+01  0.1002E+02 -0.1623E+02  0.8733E+02  0.1037E+01 -0.2000E+010075 830531  863
92.22   -999.0    -999.0    -999.0    -999.0    -999.0    -999.00113    0.7017E+01  0.4446E+03  0.2101E+0
6  0.4415E+01  0.1002E+02 -0.1623E+02  0.8733E+02  0.1037E+01 -0.2000E+01
```

```
***** JOB DONE.
$WEO LPS

$$
$ASS IN HTU
$NOP
```