#278

PIONEER 6 65-105A-02D

PIONEER 7 66-075A-02D

FARADAY CUP

HOURLY AVG PLASMA PARAMETER

PIONEER 6

1 HOUR AVERAGE PLASMA PARAMETERS ON TAPE

65-105A-02D

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WAS ONE 7-TRACK, 800 BPI TAPE WRITTEN IN BCD. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI WRITTEN IN ASCII. THE TAPE WAS CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR03430	DS03430	D15765	1	12/16/65 - 05/09/71

REQ. AGENT	RAND NO.	ACQ. AGENT
DLB	RC1305	DJH

PIONEER 6 65-105A-02D

PIONEER 7 66-075A-02D

FARADAY CUP HOURLY AVERAGE PLASMA PARAMETER

This data set consists of Pioneer 6 and 7 Faraday Cup Hourly Averages Plasma Parameter tapes created on an IBM 360 computer. The tapes are 7-track, 800 BPI, 1 file, and contain 286 character ~~BCD~~ ASCII records blocked 10 per physical record.

The time spans for the tapes are:

PIONEER 6 65-105A-02D

D#	C#	TIME SPAN
D-15765	C-12196	12/16/65 - 5/09/71

PIONEER 7 66-075A-02D

D#	C#	TIME SPAN
D-15766	C-12197	8/18/66 - 11/29/68

PIONEER 6 & 7 MIT PLASMA DATA

1 HOUR AVERAGE TAPES

These tapes contain one hour averages of nine parameters from the MIT solar wind experiment on the Pioneer 6 & 7 spacecraft.

They may be read by FORTRAN statements of the form

```
      DIMENSION NUMBER (9)
      INTEGER SATEL, PION6/'PIb6'/,PION7/'PIb7'/
      READ(3,1000)  SATEL,NYEAR,NDAY,NHOUR,
                    (AVE(K),SD(K),NUMBER(K),K=1,9)
 1000 FORMAT (A4,3I4,9(3F10.3))
```

where SATEL = PION6 or PION7

NYEAR = YEAR

NDAY = DAY OF YEAR (JAN 1 = 1)

NHOUR = HOUR (0 to 23)

AVE, SD, and NUMBER are average value, standard deviation, and number of samples for each parameter as follows:

K	Parameter
1	Bulk speed (Km/sec)
2	Density (#/cc)
3	Most probable thermal speed (Km/sec)
4	Flux (/cm^2-sec)
5	Thermal speed/Bulk speed
6	Flow angle (deg.) in ecliptic, + = from West of the sun
7	Flow angle (deg.) ⊥ to ecliptic, + = from South
8	VT = the velocity component in the ecliptic and perpendicular to the radial direction, + = in the same direction as the earth's motion along its orbit.
9	VN = the velocity component perpendicular to the ecliptic; + = North.

The tapes are 7-track, 800 bpi, and contain 286 character BCD records blocked ten per physical record. An IBM 360 could read the tape using following DD cards:

```
//G.FT03F001  DD  UNIT=TAPE7,LABEL=(1,NL),DISP=(NEW,DELETE),
// DCB=(RECFM=FBS,BLKSIZE=2860,LRECL=286,DEN=2,TRTCH=ET),
// VOL=SER=P71H1
```

```
PI 61965 350  17   274.032     0.707    29.000    16.691     1.609    29.000     0.0       0.0        REC     1, LENGTH  2862
 0.0    4573.355   436.422    29.000     0.0       0.0       0.0      -0.817     0.678    29.000
 0.125     4.042    29.000     3.899     3.232    29.000     0.624    19.307    29.000PI 61965 350
18   273.358     0.698    42.000    16.904     1.252    42.000     0.0       0.0       0.0    4621.0
16   342.606    42.000     0.0       0.0       0.0      -0.090     0.643    42.000     0.501     2.9
85    42.000     0.429     3.061    42.000     2.395    14.227    42.000PI 61965 350  19   273.163
   0.625    42.000    15.395     0.669    42.000     0.0       0.0       0.0    4205.172   179.025
  42.000     0.0       0.0       0.0       0.620     0.439    42.000    -0.101     3.028    42.000
  -2.948     2.085    42.000    -0.477    14.429    42.000PI 61965 350  20   272.904     0.707    43
.000    15.811     0.418    43.000     0.0       0.0       0.0    4314.879   112.299    43.000     0
.0       0.0       0.0       0.527     0.346    43.000    -1.662     2.396    43.000    -2.507     1
.640    43.000    -7.913    11.407    43.000PI 61965 350  21   272.139     0.885    47.000    16.005
     0.641    47.000     0.0       0.0       0.0    4355.336   170.230    47.000     0.0       0.0
     0.0       1.350     0.628    47.000    -2.562     1.739    47.000    -6.400     2.972    47.000
   -12.166     8.256    47.000PI 61965 350  22   272.159     0.426    45.000    14.235     0.643
45.000     0.0       0.0       0.0    3874.129   176.050    45.000     0.0       0.0       0.0
 1.278     0.413    45.000    -1.213     3.315    45.000    -6.056     1.952    45.000    -5.760
15.734    45.000PI 61965 350  23   272.445     0.489    47.000    13.678     0.742    47.000     0.0
       0.0       0.0    3726.441   200.424    47.000     0.0       0.0       0.0       0.702     0.5
20    47.000    -2.764     2.644    47.000    -3.328     2.464    47.000   -13.141    12.559    47.0
00PI 61965 351   0   272.234     0.590    47.000    15.128     1.382    47.000     0.0       0.0
   0.0    4117.914   371.642    47.000     0.0       0.0       0.0       1.114     0.731    47.000
  -2.238     2.504    47.000    -5.279     3.461    47.000   -10.629    11.893    47.000PI 61965 351
   1   272.473     0.615    46.000    18.140     1.422    46.000     0.0       0.0       0.0    4942
.887   390.610    46.000     0.0       0.0       0.0       0.644     0.616    46.000    -0.798     3
.903    46.000    -3.056     2.921    46.000    -3.788    18.546    46.000PI 61965 351   2   272.560
     0.683    46.000    16.351     0.943    46.000     0.0       0.0       0.0    4456.738   257.009
    46.000     0.0       0.0       0.0       0.458     0.644    46.000     0.464     3.016    46.000
    -2.172     3.052    46.000     2.209    14.339    46.00000

PI 61965 351   3   272.202     0.769    45.000    16.464     1.697    45.000     0.0       0.0        REC     2, LENGTH  2862
 0.0    4481.652   463.586    45.000     0.0       0.0       0.0       1.319     0.622    45.000
-2.236     3.252    45.000    -6.253     2.949    45.000   -10.613    15.440    45.000PI 61965 351
 4   272.417     0.872    47.000    13.174     1.224    47.000     0.0       0.0       0.0    3588.5
65   330.624    47.000     0.0       0.0       0.0       1.631     0.541    47.000    -1.334     3.5
02    47.000    -7.737     2.559    47.000    -6.343    16.635    47.000PI 61965 351   5   272.211
   0.897    47.000    11.498     0.508    47.000     0.0       0.0       0.0    3129.803   137.374
  47.000     0.0       0.0       0.0       1.660     0.158    47.000    -1.462     3.046    47.000
  -7.874     0.749    47.000    -6.940    14.465    47.000PI 61965 351   6   272.153     0.825    48
.000    11.663     1.179    48.000     0.0       0.0       0.0    3174.034   320.791    48.000     0
.0       0.0       0.0       2.239     0.583    48.000    -0.336     3.311    48.000   -10.612     2
.756    48.000    -1.601    15.715    48.000PI 61965 351   7   272.383     0.596    46.000    14.306
     1.451    46.000     0.0       0.0       0.0    3896.792   395.962    46.000     0.0       0.0
     0.0       1.337     0.940    46.000    -0.009     3.210    46.000    -6.339     4.448    46.000
    -0.051    15.251    46.000PI 61965 351   8   272.639     0.754    45.000    15.697     0.464
45.000     0.0       0.0       0.0    4279.668   128.295    45.000     0.0       0.0       0.0
 0.310     0.297    45.000     1.310     1.817    45.000    -1.473     1.412    45.000     6.233
 8.643    45.000PI 61965 351   9   272.477     0.636    48.000    17.457     1.094    48.000     0.0
       0.0       0.0    4756.734   298.640    48.000     0.0       0.0       0.901     0.7
64    48.000     0.156     3.365    48.000    -4.278     3.627    48.000     0.744    15.989    48.0
00PI 61965 351  10   272.864     0.847    47.000    14.860     1.402    47.000     0.0       0.0
   0.0    4055.012   384.615    47.000     0.0       0.0       0.0      -0.064     0.701    47.000
   1.975     2.039    47.000     0.308     3.334    47.000     9.399     9.698    47.000PI 61965 351
  11   273.978     1.108    45.000     9.625     1.188    45.000     0.0       0.0       0.0    2636
.512   320.200    45.000     0.0       0.0       0.0       0.827     0.695    45.000     3.937     3
.189    45.000    -3.939     3.307    45.000    18.803    15.202    45.000PI 61965 351  12   275.582
     1.603    45.000     7.532     0.606    45.000     0.0       0.0       0.0    2075.097   159.491
    45.000     0.0       0.0       0.0       2.253     0.823    45.000     1.485     3.476    45.000
   -10.809     3.951    45.000     7.124    16.704    45.00000

PI 61965 351  13   275.706     1.445    46.000     7.076     0.588    46.000     0.0       0.0        REC     3, LENGTH  2862
 0.0    1950.689   158.804    46.000     0.0       0.0       0.0       2.523     0.663    46.000
-1.111     2.687    46.000   -12.118     3.183    46.000    -5.360    12.882    46.000PI 61965 351
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Pioneer 6

12/16/65-05/09/71

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14   277.992     1.925    45.000     6.365     0.451    45.000     0.0       0.0       0.0    1769.4
00   126.642    45.000     0.0       0.0       0.0       2.967     0.461    45.000     0.269     2.5
50    45.000   -14.375     2.235    45.000     1.300    12.316    45.000PI 61965 351  15   286.184
   9.302    33.000     6.308     0.550    33.000     0.0       0.0       0.0    1801.475   118.724
  33.000     0.0       0.0       0.0       2.748     0.762    33.000     0.256     3.443    33.000
 -13.671     3.776    33.000     1.263    17.285    33.000PI 61965 351  16   295.107     4.451    48
.000      6.875     0.500    48.000     0.0       0.0       0.0    2029.625   160.198    48.000     0
.0        0.0       0.0       2.236     0.782    48.000    -1.580     3.297    48.000   -11.466     3
.926     48.000    -8.276    17.061    48.000PI 61965 351  17   295.199     3.545    45.000     6.519
     0.593    45.000     0.0       0.0       0.0    1924.156   174.545    45.000     0.0       0.0
     0.0       1.020     0.858    45.000    -1.340     3.294    45.000    -5.261     4.435    45.000
    -6.964    16.984    45.000PI 61965 351  18   296.356     5.287    47.000     6.183     0.475
47.000     0.0       0.0       0.0    1831.897   137.955    47.000     0.0       0.0       0.0
-0.001     1.227    47.000    -0.702     3.238    47.000    -0.020     6.309    47.000    -3.810
16.865    47.000PI 61965 351  19   295.177     5.991    47.000     6.607     0.627    47.000     0.0
       0.0       0.0    1948.967   172.833    47.000     0.0       0.0       0.0      -0.308     0.9
37    47.000     0.911     3.444    47.000     1.535     4.796    47.000     4.528    17.828    47.0
00PI 61965 351  20   298.222     7.853    47.000     6.363     0.531    47.000     0.0       0.0
   0.0    1897.747   167.635    47.000     0.0       0.0       0.0       0.590     0.743    47.000
   0.176     3.398    47.000    -3.145     3.899    47.000     0.654    17.576    47.000PI 61965 351
  21   307.827    10.355    19.000     5.971     0.705    19.000     0.0       0.0       0.0    1842
.989   264.568    19.000     0.0       0.0       0.0       1.235     0.340    19.000    -0.444     2
.874    19.000    -6.669     1.967    19.000    -2.863    15.396    19.000PI 61965 351  22   319.212
     0.0       1.000     7.050     0.0       1.000     0.0       0.0       0.0    2250.444     0.0
     1.000     0.0       0.0       0.0       1.666     0.0       1.000    -7.084     0.0       1.000
    -9.209     0.0       1.000   -39.364     0.0       1.00000

PI 61965 351  23   315.977     4.264    12.000     6.669     0.518    12.000     0.0       0.0        REC      4. LENGTH  2862
 0.0    2108.749   185.076    12.000     0.0       0.0       0.0       1.865     0.342    12.000
-5.295     1.922    12.000   -10.237     1.888    12.000   -29.186    10.694    12.000PI 61965 352
 0   324.792     2.974     3.000     7.213     0.849     3.000     0.0       0.0       0.0    2344.3
09   296.160     3.000     0.0       0.0       0.0       2.060     0.426     3.000     4.099     0.2
77     3.000   -11.660     2.493     3.000    23.205     1.384     3.000PI 61965 352   1   311.043
   7.276     5.000     6.182     0.504     5.000     0.0       0.0       0.0    1924.509   187.531
   5.000     0.0       0.0       0.0       2.144     0.259     5.000     3.196     3.694     5.000
 -11.583     1.281     5.000    17.001    20.048     5.000PI 61965 352   4   317.362     6.926    33
.000      6.430     0.662    33.000     0.0       0.0       0.0    2043.598   244.724    33.000     0
.0        0.0       0.0       2.954     0.284    33.000    -0.358     3.283    33.000   -16.334     1
.661     33.000    -1.957    18.257    33.000PI 61965 352   5   308.815     8.324    46.000     5.302
     0.698    46.000     0.0       0.0       0.0    1637.403   218.756    46.000     0.0       0.0
     0.0       2.599     0.540    46.000     1.554     3.401    46.000   -13.987     2.987    46.000
     8.089    18.166    46.000PI 61965 352   6   340.301    11.762    47.000    15.356     6.006
47.000    21.652     3.400     4.000  5291.242  2151.585    47.000     0.066     0.012     4.000
 0.964     1.883    47.000     2.147     2.700    46.000    -4.126     4.731    46.000    13.031
15.922    46.000PI 61965 352   7   354.109     3.069    49.000    25.939     4.969    49.000     0.0
       0.0       0.0    9194.668  1824.547    49.000     0.0       0.0       0.0      -1.349     0.9
15    49.000     5.021     2.875    49.000     8.317     5.667    49.000    30.968    17.724    49.0
00PI 61965 352   8   362.435     4.837    51.000    35.753     3.790    51.000     0.0       0.0
   0.0   12958.461  1388.166    51.000     0.0       0.0       0.0      -3.663     0.754    51.000
   9.685     3.224    51.000    22.783     4.655    51.000    60.874    20.027    51.000PI 61965 352
   9   365.280     5.644    51.000    31.260     4.306    51.000     0.0       0.0       0.0   11434
.820  1712.499    51.000     0.0       0.0       0.0      -4.884     1.242    51.000     7.223     2
.892    51.000    30.766     7.653    51.000    45.912    18.355    51.000PI 61965 352  10   351.233
     5.533    50.000    22.906     3.626    50.000    29.008     3.627    30.000  8052.039  1317.856
    50.000     0.083     0.011    30.000    -4.724     1.375    50.000     7.084     3.327    50.000
    28.683     8.353    50.000    43.095    19.829    50.00000

PI 61965 352  11   387.020    18.833    51.000    19.625     3.609    51.000    33.981     3.896      REC      5. LENGTH  2862
44.000  7602.563  1475.656    51.000     0.088     0.011    44.000    -3.757     1.811    51.000
 1.250     5.086    50.000    26.436     6.859    50.000     7.788    33.706    50.000PI 61965 352
12   394.605     7.915    50.000    21.784     2.879    50.000    33.810     4.024    43.000  8593.8
63  1127.738    50.000     0.085     0.011    43.000    -3.137     2.224    50.000     2.758     2.8
56    50.000    21.412    15.070    50.000    19.006    19.781    50.000PI 61965 352  13   394.088
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PIONEER 7

HOUR AVG PLASMA PARAMETERS ON TAPE

66-075A-02D

This data set has been restored. There was originally one 7-track, 800 BPI tape written in BCD. There is one restored tape written in ASCII. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005367	DS005367	D015766	1	08/19/66 - 11/29/68

See 65-105A-02D

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5335Y201
                01 DEC. 75  BACKLOG  CPU/IO    STANDBY  CPU/IO      IDLE    DOWN    OP. PROBLEMS
                      360/91    0     0.00/ 0.000  41  12.10/ 3.77  0.00   00.00     LAST WEEK
                      360/75    0     0.00/ 0.00    0    0.00/ 0.00  0.00    0.00          1


//YZJRJLR4 JOB (K10102385_,P,KA0001,H00H00),601,MSGLEVEL=1                    601A0068
//TEST1 EXEC PGM=PATRICK,PARM='7NB,001,001,001',REGION=150K
//IN1 DD UNIT=2400-7,LABEL=(,BLP,,IN),DCB=(,RECFM=U,EROPT=ACC,DEN=2,
//    TRTCH=ET,
// BLKSIZE=32000),VOL=SER=JJ0017
//OUT2 DD SYSOUT=A,DCB=(RECFM=FB,LRECL=132,BLKSIZE=3000)
//
IEF236I ALLOC. FOR YZJRJLR4 TEST1
IEF237I 0C0    ALLOCATED TO IN1
IEF237I 331    ALLOCATED TO OUT2


TRANSLATE MUST BE ON AND CONVERT OFF ON INPUT DEVICE FOR PROPER PRINTOUT. IGNORE THIS MESSAGE IF PROPER DEVICE WAS SPECIFIED.
RECORD 000001, LENGTH 02860 , FILE 00001.
                PI 71966 230  18    342.274     12.245      4.000      3.650      1.265      4.000
                74.152    24.397      4.000   1255.934    463.685      4.000      0.217      0.071
                 4.000     5.515      6.413      4.000     14.723      2.597      3.000    -25.752
                43.956     3.000     86.570     13.526      3.000PI 71966 230  19    358.158     26.3
                06    11.000     2.553      1.119     11.000     62.414     16.574     10.000    921.5
                24   416.299    11.000      0.173      0.047     10.000     -0.447      8.470     11.0
                00    -0.259     5.098      7.000     27.292     40.536      7.000     -2.926     31.1
                35     7.000PI 71966 230  20    372.608     22.295     39.000      3.062      1.140
                  39.000    71.917     10.309     38.000   1130.612    398.371     39.000      0.194
                   0.031    38.000     -6.563      3.381     39.000     -8.655      3.282     39.000
                  41.703    21.380     39.000    -55.778     20.563     39.000PI 71966 230  21    372
                .606    46.360     42.000      2.110      1.221     42.000     77.198     12.369     40
                .000   759.291    431.801     42.000      0.211      0.045     40.000     -8.205      4
                .113    42.000     -7.755      6.096     42.000     51.170     24.195     42.000    -50
                .315    37.850     42.000PI 71966 230  22    342.395     23.107     52.000      4.311
                     1.312    52.000     81.703     10.432     49.000   1461.768    410.739     52.000
                     0.239     0.034     49.000     -9.726      4.365     52.000      0.226      6.191
                    52.000    58.011     27.602     52.000      0.316     36.351     52.000PI 71966 2
                30  23    353.882     30.303     41.000      3.188      1.136     41.000     79.205
                14.190    37.000   1117.634    386.974     41.000      0.223      0.046     37.000     -
                16.272     5.542     41.000     -5.292      6.507     41.000     98.369     35.265
                41.000   -33.451     39.312     41.000PI 71966 231   0    357.771     24.699     39.0
                00     6.689     2.274     39.000     72.760     12.050     37.000   2410.183    878.7
                64    39.000     0.203      0.034     37.000     -7.140      5.996     39.000      5.5
                85     7.379    39.000     43.794     35.789     39.000     34.127     45.267     39.0
                00PI 71966 231   1    380.033     14.678     44.000      7.982      2.402     44.000
                  85.079     9.501     44.000   3020.114    856.953     44.000      0.224      0.026
                  44.000    -4.118      2.125     44.000      3.821      5.229     44.000     27.210
                  14.129    44.000     25.211     33.820     44.000PI 71966 231   2    409.101     12
                .233    43.000      8.637      0.998     43.000     90.266      8.304     43.000   3530
                .727   403.021     43.000      0.221      0.018     43.000     -5.487      1.527     43
                .000     2.056      4.825     43.000     38.932     10.860     43.000     14.977     34
                .125    43.000PI 71966 231   3    402.514     19.492     43.000      7.917      1.381
                    43.000    91.762     11.069     43.000   3187.961    587.229     43.000      0.228
                     0.022    43.000     -4.588      2.570     43.000      0.902      5.314     43.000
                    32.062    17.906     43.000      6.778     37.305     43.000
RECORD 000002, LENGTH 02860 , FILE 00001.
                PI 71966 231   4    390.344     20.319     38.000      7.503      1.446     38.000
                86.456     7.963     38.000   2935.847    607.174     38.000      0.222      0.024
                38.000    -4.261      2.554     38.000     -1.087      5.729     38.000     28.938
                17.937    38.000     -7.704     38.374     38.000PI 71966 231   7    400.806      6.5
                23     5.000     6.566      0.457      5.000     89.060      8.625      5.000   2633.7
                41   223.741     5.000      0.222      0.025      5.000     -4.189      2.339      5.0
                00    -1.943     3.954      5.000     28.959     16.000     -5.000    -13.398     27.3
                65     5.000PI 71966 231   8    394.674     12.530      9.000      6.326      0.311
                   9.000    86.142      9.877      9.000   2495.757    130.054      9.000      0.219
                   0.030     9.000     -3.689      1.283      9.000     -2.269      5.263      9.000
                  25.163     8.544      9.000    -15.619     36.112      9.000PI 71966 231  11    423
                .572    14.306     39.000      6.065      0.605     39.000     85.351      7.104     39
                .000  2569.718    275.287     39.000      0.202      0.018     39.000     -0.535      1
                .593    39.000     -4.911      3.386     39.000      4.160     11.700     39.000    -35
                .966    25.131     39.000PI 71966 231  12    424.269     11.735     44.000      4.722
                     0.978    44.000     91.343     10.392     44.000   2005.846    434.196     44.000
                     0.215     0.023     44.000     -1.736      1.838     44.000      2.766      3.707
                    44.000    12.844     13.502     44.000     20.534     27.411     44.000PI 71966 2
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31  13    439.559     15.042     38.000      4.882      0.685     38.000     95.286
 9.212     38.000   2146.513    312.263     38.000      0.217      0.021     38.000
-1.587      2.155     38.000      5.352      3.661     37.000     12.406     17.160
37.000     41.121     28.092     37.000PI 71966 231  14    442.383     22.937     34.0
00      3.982      0.782     34.000     93.555      9.756     34.000   1767.217    382.9
92     34.000      0.211      0.019     34.000     -2.921      2.005     34.000      5.0
11      4.566     33.000     22.791     15.104     33.000     37.654     33.197     33.0
00PI 71966 231  15    457.095     13.231     42.000      5.047      1.303     42.000
  94.182      8.535     42.000   2300.284    576.371     42.000      0.206      0.021
  42.000     -2.682      1.411     42.000      2.894      3.234     42.000     21.288
  11.042     42.000     23.180     26.080     42.000PI 71966 231  16    460.706     19
.593      52.000      5.932      0.885     52.000     94.662      9.179     52.000   2734
.441     431.244     52.000      0.206      0.021     52.000     -3.381      2.182     52
.000       0.203      4.558     52.000     26.799     16.878     52.000      0.773     36
.140      52.000PI 71966 231  17    457.690     13.021     50.000      5.962      0.532
     50.000     95.815      4.359     50.000   2728.302    249.698     50.000      0.209
      0.010     50.000     -2.165      1.468     50.000     -1.927      3.602     50.000
     17.380     11.841     50.000    -15.445     28.464     50.000
RECORD 000003. LENGTH 02860 . FILE 00001.
PI 71966 231  18    455.321     16.487     48.000      5.249      0.700     48.000
96.360      4.525     48.000   2386.131    300.658     48.000      0.212      0.012
48.000     -2.204      1.898     48.000      3.547      4.837     48.000     17.456
14.998     48.000     28.327     38.529     48.000PI 71966 231  19    443.650     19.5
80     51.000      5.017      0.780     51.000     95.824      7.600     51.000   2221.9
88    333.148     51.000      0.216      0.019     51.000     -3.958      2.054     51.0
00      7.363      3.546     51.000     30.447     15.450     51.000     57.206     28.2
64     51.000PI 71966 231  20    432.403     17.708     52.000      5.760      0.760
  52.000     89.694      9.666     52.000   2487.124    311.067     52.000      0.207
   0.020     52.000     -3.168      1.708     52.000      8.181      3.386     52.000
  23.795     12.984     52.000     61.649     25.898     52.000PI 71966 231  21    436
.519     22.994     24.000      5.510      0.823     24.000     91.698     13.478     24
.000   2398.417    333.221     24.000      0.210      0.025     24.000     -4.312      2
.158     24.000      6.622      3.426     24.000     32.895     17.352     24.000     50
.203     26.507     24.000PI 71966 231  22    431.913     22.602     50.000      6.181
     0.827     50.000     85.952      8.392     50.000   2676.702    428.631     50.000
     0.199      0.018     50.000     -4.683      2.221     50.000      5.084      5.046
    50.000     35.195     17.129     50.000     38.214     38.719     50.000PI 71966 2
31  23    422.705     17.162     51.000      6.470      1.195     51.000     87.311
 9.148     51.000   2737.323    527.913     51.000      0.207      0.021     51.000
-4.720      2.318     51.000      7.354      6.521     51.000     34.289     16.881
51.000     53.898     47.635     51.000PI 71966 232   0    425.283     22.674     52.0
00      6.378      0.966     52.000     84.224     10.856     52.000   2714.097    439.3
39     52.000      0.198      0.025     52.000     -5.303      1.914     52.000      7.3
56      4.714     52.000     38.991     14.536     52.000     54.264     35.136     52.0
00PI 71966 232   1    421.087     21.033     51.000      6.119      1.042     51.000
  83.142      9.950     51.000   2581.113    486.768     51.000      0.198      0.023
  51.000     -5.219      1.953     51.000      3.751      5.169     51.000     38.023
  14.160     51.000     27.377     38.333     51.000PI 71966 232   2    418.917     18
.450     49.000      7.115      1.352     49.000     79.486     12.852     49.000   2981
.134     576.805     49.000      0.190      0.028     49.000     -5.626      2.477     49
.000       2.775      6.593     49.000     40.539     17.775     49.000     19.629     48
.419     49.000PI 71966 232   3    415.183     12.182     51.000      5.429      1.120
     51.000     71.400     13.485     51.000   2255.975    477.903     51.000      0.172
      0.032     51.000     -5.234      2.007     51.000      3.992      5.068     51.000
     37.764     14.801     51.000     28.871     36.855     51.000
RECORD 000004. LENGTH 02860 . FILE 00001.
PI 71966 232   4    409.426     12.299     48.000      5.078      0.666     48.000
64.487      9.176     48.000   2074.613    245.130     48.000      0.158      0.022
48.000     -4.632      2.915     48.000      6.015      5.314     48.000     32.814
20.653     48.000     42.783     37.545     48.000PI 71966 232   5    413.654     13.3
16     52.000      5.038      0.594     52.000     56.585     11.064     52.000   2081.7
68    236.079     52.000      0.161      0.025     52.000     -4.800      2.767     52.0
00      7.854      4.414     52.000     34.320     20.130     52.000     56.578     31.7
58     52.000PI 71966 232   6    412.425     15.885     51.000      4.565      0.851
  51.000     73.195     12.387     51.000   1875.901    326.490     51.000      0.177
   0.027     51.000     -5.680      2.764     51.000      3.166      5.204     51.000
  40.952     20.508     51.000     22.963     37.595     51.000PI 71966 232   7    398
.470     13.647     51.000      4.993      0.737     51.000     72.226      9.145     51
.000   1986.828    280.162     51.000      0.182      0.026     51.000     -2.871      2
.804     51.000      1.596      6.404     50.000     19.691     20.175     50.000     10
.306     44.134     50.000PI 71966 232   8    412.651      9.492     51.000      3.078
     0.744     51.000     70.794     12.126     51.000   1269.617    305.373     51.000
     0.172      0.031     51.000     -5.823      1.653     51.000      5.833      3.083
    51.000     41.624     11.798     51.000     41.757     21.746     51.000PI 71966 2
32   9    414.156      4.070     52.000      3.051      0.392     52.000     52.318
 8.519     52.000   1264.136    165.046     52.000      0.126      0.021     52.000
-3.861      1.959     52.000      5.674      3.467     52.000     27.763     14.099
52.000     40.876     24.871     52.000PI 71966 232  10    419.341      3.155     46.0
00      2.966      0.223     46.000     45.527      4.417     46.000   1243.633     93.1
04     46.000      0.109      0.011     46.000     -4.387      1.430     46.000      6.0
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