71-051A-04b 75-075A-01a 75-083A-01Z
PDS-MR9/VO1/VO2-M-ISS/VIS-5-CLOUD-V1.0

75-075C-06Z 75-083C-06Y
PDS-VL1/VL2-M-LCS-5-ATOMS-OPT-DEP-V1.0

75-075C-07K 75-083C-07K
PDS-VL1/VL2-M-MET-3-P-V1.0

75-075C-07L 75-083C-07M
PDS-VL1/2-M-MET-4-DAILY-AVG-PRES-V1

[redacted]

75-075C-07M
PDS-VL1-M-MET-4-BIN-P-T-V-CORR-V1

75-075C-07N 75-083C-07L
PDS-VL1/VL2-M-MET-4-BINNED-P-T-V-V1.0

71-051A-04b 75-075A-01a 75-083A-01Z
PDS-MR9/V01/V02-M-ISS/VIS-5-CLOUD-V1.0

75-075C-06Z 75-083C-06Y
PDS-VL1/VL2-M-LCS-5-ATOMS-OPT-DEP-V1.0

75-075C-07K 75-083C-07K
PDS VL1/VL2-M-MET-3-P-V1.0

75-075C-07L 75-083C-07M
PDS-VL1/2-M-MET-4-DAILY-AVG-PRES-V1

75-075C-07M
PDS-VL1-M-MET-4-BIN-P-T-V-CORR-V1

75-075C-07N 75-083C-07L
PDS VL1/VL2-M-MET-4-BINNED-P-T-V-V1.0

THIS DATA SET CATALOG CONTAINS MARINER 9, VIKING ORBITER 1 & 2, AND VIKING LANDER 1 & 2. THE TAPES ARE 6250 BPI, STANDARD LABELED, MULTIFILED AND WRITTEN IN ASCII. THESE WERE ALL CREATED USING ' VAX COPY'. THE 6 FILES ON EACH TAPE ARE IN THE FOLLOWING SEQUENCE, HEADER, DOCUMENTATION, TRAILER, HEADER, DATA FILE, TRAILER. THE D AND C NUMBERS, LABEL NAMES, TIME SPAN AND/OR ORBIT NUMBERS FOLLOW:

D-82239	C-27873	LABEL = CLDIMG	71-051A-04b	11/14/71 07/02/72
			75-075A-01a	ORBIT/IMAGE 04/10 - 972/08
			75-083A-01Z	ORBIT/IMAGE 04/01 - 586/57
D-82240	C-27874	LABEL = VLOPAC	75-075C-06Z	07/26/76 - 01/26/79
			75-083C-06Y	09/09/76 - 01/22/79
D-82241	C-27875	LABEL = VLPRES	75-075C-07K	07/20/76 - 09/26/82
			75-083C-07K	09/03/76 - 12/08/79
D-82242	C-27876	LABEL = VLAVEP	75-075C-07L	07/20/76 - 09/12/82
			75-083C-07M	09/03/76 - 07/19/79
D-82243	C-27877	LABEL = VLMBIN	75-075C-07M	07/20/76 - 07/05/77
D-82244	C-27878	LABEL = VLTBIN	75-075C-07N	07/20/76 - 09/30/76
			75-083C-07L	09/03/76 - 06/10/79

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OBJECT                          = VOLUME_SET
 DATA_SET_ID                    = "MR9/VO1/VO2-M-ISS/VIS-5-CLOUD-V1.0"
 MEDIA_TYPE                     = TAPE
 TAPES                          = 1
 NOTE                           = "This data set consists of a catalog of
clouds observed in Mariner 9 and Viking Orbiter images.  The data set contains
details of the cloud occurrences and the images in which they were observed."

 OBJECT                          = VOLUME
  NAME                           = CLDIMG
  MEDIA_TYPE                     = TAPE
  TAPE_DENSITY                   = 1600
  TAPES                          = 1
  SEQUENCE_NUMBER                = 1
  PROCESS_NAME                   = COPY
  FORMAT                         = ANSI
  BLOCK_BYTES                    = 9964
  HARDWARE_NAME                  = "VAX 11/785"
  OPERATING_SYSTEM_NAME          = "VMS 5.1-1"
  FILES                          = 2
  DATE_TIME                      = 1989-09-10

  OBJECT                          = DIRECTORY
   NAME                           = ROOT

   OBJECT                          = FILE
    NAME                           = "VOLDESC.SFD"
    RECORD_TYPE                    = STREAM
   END_OBJECT                      = FILE

   OBJECT                          = FILE
    NAME                           = "CLD_IMG.DAT"
    RECORD_TYPE                    = FIXED_LENGTH
    FORMAT                         = ASCII
    FILE_RECORDS                   = 20944
    TABLE_RECORD_BYTES             = 94
    SPACECRAFT_NAME                = "MARINER 9"
    SPACECRAFT_ID                  = MR9
    SPACECRAFT_NAME                = "VIKING ORBITER 1"
    SPACECRAFT_ID                  = VO1
    SPACECRAFT_NAME                = "VIKING ORBITER 2"
    SPACECRAFT_ID                  = VO2
    NATIVE_START_TIME              = "293 AREOCENTRIC SOLAR LONGITUDE,
      EARTH YEAR 1971"
    NATIVE_STOP_TIME               = "140 AREOCENTRIC SOLAR LONGITUDE,
      EARTH YEAR 1980"


    OBJECT                          = HISTORY
     PROCESS_NAME                   = PANDA
     VERSION_DATE                   = 1989-08-31
     VERSION_NUMBER                 = 0
     DATE_TIME                      = 1989-09-12
     NODE                           = ORION
     USER                           = LEE
     PROGRAM_NOTE                   = "PIN PANDA Query Results from
      ATMOSPHERES database"
```

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$NOP
$NOP
$NOP ************ BR1 **************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 5

 TAPE NO.   1                    FILE NO.   5
 RECORD     1                    LENGTH     9964
0098 MR9   1493581 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.0 -9  2  1  10
098 MR9    1493581 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.0 -9  2  1  100
98 MR9    1672956 153.0 187.0  3410  48.5 -99.00  7 293 -71.5  68.6  8.4  7  2 -99.0 -9  2  1  1009
8 MR9    1673026 161.0 184.0  3080  47.9 -99.00  7 293 -76.4  48.6  9.8  7  2 -99.0 -9  2  1  10098
 MR9    1673096 176.0 181.0  2828  47.9 -99.00  7 293 -78.9  21.1  11.6  7  2 -99.0 -9  2  1  10098
MR9    1673306 244.0 170.0  2274  48.4 -99.00  7 293 -72.0 316.4  16.0  7  2 -99.0 -9  3  1  10098 M
R9    1673306 244.0 170.0  2274  48.4 -99.00  7 293 -72.0 316.4  16.0  7  2 -99.0 -9  3  1  10098 MR
9    1673376 254.0 166.0  2142  48.2 -99.00  7 293 -67.8 306.8  16.7  7  2 -99.0 -9  3  1  10098 MR9
    1673446 260.0 163.0  2031  47.9 -99.00  7 293 -63.4 300.1  17.1  7  2 -99.0 -9  3  1  10098 MR9
    1710826 198.0 158.0  3110  79.6 -99.00  7 293 -42.1 189.7  12.6  7  2 -99.0 -9  3  1  10098 MR9
    1710896 202.0 142.0  2836  79.7 -99.00  7 293 -44.3 181.4  13.2  7  2 -99.0 -9  3  1  10098 MR9
1710966 208.0 135.0  2615  79.7 -99.00  7 293 -45.3 173.3  13.7  7  2 -99.0 -9  3  1  10098 MR9   1
711176 225.0 129.0  2153  79.6 -99.00  7 293 -42.8 151.6  15.2  7  2 -99.0 -9  3  1  10098 MR9   17
11246 230.0 129.0  2055  79.8 -99.00  7 293 -40.6 145.9  15.7  7  2 -99.0 -9  3  1  10098 MR9   171
1310 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.0 -9  3  1  10098 MR9   1711
456 244.0 132.0  1867  79.7 -99.00  7 293 -31.2 131.8  16.7  7  2 -99.0 -9  3  1  10098 MR9   17115
96 252.0 136.0  1846  80.0 -99.00  7 293 -23.0 125.2  17.1  7  2 -99.0 -9  3  1  10098 MR9   171166
6 256.0 138.0  1871  80.0 -99.00  7 293 -18.3 122.4  17.4  7  2 -99.0 -9  3  1  10098 MR9   1711736
 259.0 141.0  1926  79.9 -99.00  7 293 -13.2 119.8  17.5  7  2 -99.0 -9  3  1  10098 MR9   1711806
263.0 145.0  2025  79.9 -99.00  7 293  -7.3 117.6  17.7  7  2 -99.0 -9  3  1  10098 MR9   1711876 2
68.0 149.0  2186  79.8 -99.00  7 293  -0.6 115.7  17.9  7  2 -99.0 -9  3  1  10098 MR9   1748836 21
4.0 172.0  2173  74.4 -99.00  7 293 -62.5 345.3  14.6  7  2 -99.0 -9  3  1  10098 MR9   1748906 224
.0 167.0  1999  74.5 -99.00  7 293 -59.8 334.1  15.3  7  2 -99.0 -9  3  1  10098 MR9   1748976 233.
0 162.0  1855  74.7 -99.00  7 293 -56.3 325.2  15.9  7  2 -99.0 -9  3  1  10098 MR9   1749046 240.0
 158.0  1737  74.7 -99.00  7 293 -52.5 318.3  16.5  7  2 -99.0 -9  3  1  10098 MR9   1749116 246.0
154.0  1642  74.8 -99.00  7 293 -48.4 312.7  16.8  7  2 -99.0 -9  3  1  10098 MR9   1749186 250.0 1
52.0  1566  74.9 -99.00  7 293 -44.2 308.1  17.1  7  2 -99.0 -9  3  1  10098 MR9   1779230 144.0 18
3.0  3311  39.9 -99.00  7 294 -78.8  79.8   7.9  7  2 -99.0 -9  2  1  20098 MR9   1779300 159.0 180
.0  3044  39.8 -99.00  7 294 -83.1  48.9  10.1  7  2 -99.0 -9  2  1  20098 MR9   1779370 199.0 178.
0  2826  39.8 -99.00  7 294 -83.4 359.8  13.4  7  2 -99.0 -9  2  1  20098 MR9   1779440 242.0 175.0
  2638  39.9 -99.00  7 294 -80.2 328.5  15.4  7  2 -99.0 -9  2  1  20098 MR9   1779470 -99.0 -99.0
  -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.0 -9  2  1  10098 MR9   1779580 266.0 168.0
2342  39.9 -99.00  7 294 -71.5 305.8  17.0  7  2 -99.0 -9  2  1  10098 MR9   1779650 269.0 165.0  2
228  39.8 -99.00  7 294 -67.0 300.3  17.5  7  2 -99.0 -9  2  1  10098 MR9   1779720 270.0 162.0  21
28  39.9 -99.00  7 294 -62.4 296.5  17.7  7  2 -99.0 -9  2  1  10098 MR9   1815140 164.0 119.0  390
1  40.5 -99.00  7 294 -41.2 114.8  17.3  7  2 -99.0 -9  2  1  10098 MR9   1815280 179.0 120.0  3257
  39.6 -99.00  7 294 -44.2 118.1  17.1  7  2 -99.0 -9  2  1  10098 MR9   1815420 195.0 124.0  2751
 39.8 -99.00  7 294 -45.3 119.9  17.1  7  2 -99.0 -9  2  1  10098 MR9   1815560 213.0 131.0  2275
42.5 -99.00  7 294 -46.5 122.1  16.9  7  2 -99.0 -9  2  1  10098 MR9   1815770 237.0 144.0  1773  5
4.2 -99.00  7 294 -47.4 124.1  16.9  7  2 -99.0 -9  2  1  10098 MR9   1815980 247.0 155.0  1613  76
.1 -99.00  7 294 -47.2 125.1  16.9  7  2 -99.0 -9  2  1  10098 MR9   1816190 255.0 151.0  1460  81.
7 -99.00  7 294 -35.8 116.1  17.5  7  2 -99.0 -9  2  1  10098 MR9   1816190 255.0 151.0  1460  81.7
 -99.00  7 294 -35.8 116.1  17.5  7  2 -99.0 -9  2  1  10098 MR9   1816260 258.0 149.0  1422  81.6
-99.00  7 294 -31.1 113.0  17.8  7  2 -99.0 -9  2  1  10098 MR9   1816330 259.0 148.0  1403  81.6 -
99.00  7 294 -26.4 110.3  18.0  7  2 -99.0 -9  2  1  10098 MR9   1816400 261.0 149.0  1401  81.5 -9
9.00  7 294 -21.6 107.8  18.1  7  2 -99.0 -9  2  1  10098 MR9   1816470 261.0 149.0  1417  81.4 -99
.00  7 294 -16.7 105.5  18.4  7  2 -99.0 -9  2  1  10098 MR9   1845730  42.0 143.0 10856  63.9 -99.
00  2 295 -25.6  49.0   7.6  7  2 -99.0 -9  2  1  10098 MR9   1845800  42.0 142.0 10788  63.9 -99.0
0  2 295 -27.1  48.3   7.6  7  2 -99.0 -9  2  1  10098 MR9   1845940  44.0 140.0 10657  63.9 -99.00
  7 295 -30.1  46.8   7.8  7  2 -99.0 -9  2  1  10098 MR9   1846010  45.0 139.0 10594  63.9 -99.00
 7 295 -31.6  46.0   7.9  7  2 -99.0 -9  2  1  10098 MR9   1846080  46.0 137.0 10534  64.0 -99.00
7 295 -33.1  45.1   8.0  7  2 -99.0 -9  2  1  10098 MR9   1850630 146.0 140.0  3589  24.8 -99.00  3
 295 -80.4   2.8  12.3  7  2 -99.0 -9  2  1  20098 MR9   1850700 152.0 146.0  3445  24.8 -99.00  3
295 -80.2   2.5  12.3  7  2 -99.0 -9  2  1  20098 MR9   1850840 162.0 159.0  3190  26.3 -99.00  8 2
95 -80.0   5.9  12.1  7  2 -99.0 -9  2  1  20098 MR9   1850910 165.0 165.0  3081  28.2 -99.00  8 29
5 -79.9   8.1  12.0  7  2 -99.0 -9  2  1  20098 MR9   1850980 169.0 170.0  2998  30.3 -99.00  1 295
 -80.2   8.8  11.9  7  2 -99.0 -9  2  1  20098 MR9   1851050 172.0 174.0  2933  33.2 -99.00  1 295
```

Image

focal time

D-82239

CLDIMG (TAPE LABEL)

Mariner 9 11/14/71-07/02/72

Viking Orbiter 1 + 2

MR9

V01 4/10 - ORBIT IMAGE 972/08

V02 ORBIT/IMAGE 04/01 - [redacted]586/57

```
5  42  49.1  92.9  13.0  7  2 -99.0 -9  1  1  10098 MR9  11796791  89.0 149.0  1818  76.4 -99.00
8  44 -46.9 304.6   7.8  4  2 189.0  3 -9 -9 -90098 MR9  11799766 350.0 185.0  4669  37.0 -99.00
5  44  50.4 248.0  12.5  7  2 -99.0 -9  1  1  10098 MR9  11975294 -99.0 -99.0   -99 -99.0 -99.00 -9
-99 -99.0 -99.0 -99.0  7  2 -99.0 -9  1  1  10098 MR9  11975329  69.0 163.0  2491  18.3 -99.00  8
45  22.6 250.4   9.9  7  2 -99.0 -9  1  1  20098 MR9  11976624 -99.0 -99.0   -99 -99.0 -99.00 -9 -
99 -99.0 -99.0 -99.0  7  2 -99.0 -9  1  1  20098 MR9  11976729 324.0 156.0  4640  36.4 -99.00  8  4
5  50.1 220.9  12.3  7  2 -99.0 -9  1  1  20098 MR9  12013129 290.0 148.0  5612  30.1 -99.00  8  45
74.7  15.5  13.8  7  2 -99.0 -9  1  1  20098 MR9  12152502   3.0 153.0  4522  31.4 -99.00  5  47
50.8 206.2  10.6  7  2 -99.0 -9  1  1  10098 MR9  12152624 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -
99.0 -99.0 -99.0  7  2 -99.0 -9  1  1  10098 MR9  12152922 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -9
9.0 -99.0 -99.0  7  2 -99.0 -9  1  1  10098 MR9  12186802 142.0 218.0  2254  37.8 -99.00  5  47  17
.9  34.9   9.1  7  2 -99.0 -9  1  1  10098 MR9  12186802 142.0 218.0  2254  37.8 -99.00  5  47  17.
9  34.9   9.1  7  2 -99.0 -9  1  1  10098 MR9  12186872 137.0 216.0  2269  33.5 -99.00  5  47  18.9
33.3   9.3  7  2 -99.0 -9  1  1  10098 MR9  12186872 137.0 216.0  2269  33.5 -99.00  5  47  18.9
33.3   9.3  7  2 -99.0 -9  1  1  10098 MR9  12187012 123.0 204.0  2369  21.0 -99.00  5  47  18.4
34.0   9.3  7  2 -99.0 -9  1  1  10098 MR9  12187012 123.0 204.0  2369  21.0 -99.00  5  47  18.4  3
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.6  11.6  7  2 -99.0 -9  1  1  10098 MR9  12316271 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.
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99.0  7  2 -99.0 -9  1  1  10098 MR9  12328126 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -9
9.0  7  2 -99.0 -9  1  1  10098 MR9  12328161   1.0 176.0  4674  35.5 -99.00  5  48  50.2 160.9  11
.7  7  2 -99.0 -9  1  1  10098 MR9  12362881 140.0 253.0  3685  31.9 -99.00  5  48  57.7 356.7   9.
9  7  2 -99.0 -9  1  1  10098 MR9  12362916 106.0 223.0  3864  32.0 -99.00  8  48  61.4 354.6  10.0
7  2 -99.0 -9  3  2  20098 MR9  12363896 338.0 116.0  4464  30.9 -99.00  8  48  47.1 356.7  10.2
7  2 -99.0 -9  1  1  10098 MR9  12530840  34.0 130.0  3164  16.1 -99.00  5  50  21.6 155.8   9.0
7  2 -99.0 -9  2  1  10098 MR9  12530910  28.0 126.0  3257  19.0 -99.00  5  50  22.3 154.1   9.1  7
2 -99.0 -9  2  1  10098 MR9  12535035 151.0 151.0  3793  30.2 -99.00  8  50 -72.9 267.7  12.6  7
2 -99.0 -9  3  2  20098 MR9  12535070 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7
2 -99.0 -9  3  2  20098 MR9  12535105 145.0 146.0  3437  83.7 -99.00  8  50 -67.8 288.5  11.2  7  2
-99.0 -9  2  2  20098 MR9  12535245 117.0 137.0  2428  83.7 -99.00  8  50 -49.7 316.4   9.4  1  1
157.0  1 -9 -9 -90098 MR9  12537520 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -
99.0 -9  1  1  10098 MR9  12538640 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -9
9.0 -9  1  1  10098 MR9  12870548  13.0 157.0  9484  58.5 -99.00  5  54  75.8  78.4   9.0  7  2 -99
.0 -9  1  1  10098 MR9  12902052 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.
-9  1  1  10098 MR9  12906738 324.0 163.0  9350  61.1 -99.00  5  54  72.3 193.5  13.0  7  2 -99.0
-9  1  1  10098 MR9  12906808 304.0 168.0  9370  59.1 -99.00  5  54  76.1 170.1  14.6  7  2 -99.0
-9  1  1  10098 MR9  12909993 237.0 163.0 13213  78.9 -99.00  8  54  31.7 155.6  16.6  7  2 -99.0 -
9  2  2  20098 MR9  12985638 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.0 -9
1  1  20098 MR9  12991202 199.0 172.0 10584  46.0 -99.00  5  65  77.4 359.6  22.0  7  2 -99.0 -9
1  1  10098 MR9  12991342 293.0 167.0 10265  52.1 -99.00  5  65  78.1 103.2  15.2  7  2 -99.0 -9
1  1  10098 MR9  12994317 265.0 139.0 13618  72.0 -99.00  8  65  53.5 130.8  14.3  7  2 -99.0 -9  2
2  20098 MR9  13027233 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99.0 -99.0  7  2 -99.0 -9  1
1  10098 MR9  13317025  42.0 181.0  8310  35.2 -99.00  5  96  76.8  37.1   9.6  7  2 -99.0 -9  1
1  10098 MR9  13350130  73.0 144.0  3651  68.1 -99.00  8  96  23.0 249.9   6.1  7  2 -99.0 -9  2  1
10098 MR9  13351955  46.0 250.0  8765  63.7 -99.00  5  96  27.0 139.0  14.1  7  2 -99.0 -9  1  1
20098 MR9  13353321 311.0 156.0  9174  31.7 -99.00  8  96  89.8  44.4  20.8  7  2 -99.0 -9  1  1
10098 MR9  13353565   7.0 112.0 10093  48.7 -99.00  5  96  25.4 213.2   9.7  7  2 -99.0 -9  1  1  1
0098 MR9  13353600 341.0  91.0  9791  46.8 -99.00  5  96  33.4 212.8   9.8  7  2 -99.0 -9  2  2  20
098 MR9  13354265 356.0 237.0 11506  44.6 -99.00  5  96  19.3 133.5  15.2  7  2 -99.0 -9  1  1  1^^
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

TAPE NO.    1          FILE NO.   5
RECORD     27          LENGTH   9964
0098 MR9  13357275 311.0 212.0 14205  35.8 -99.00  5  96  17.0 132.3  16.3  7  2 -99.0 -9  1  1  10
098 MR9  13360391 239.0 155.0 15487  37.3 -99.00  8  96  38.0 145.0  16.5  7  2 -99.0 -9  1  1  200
98 MR9  13500498  10.0 254.0 11755  48.4 -99.00  5  98  10.1 108.1  14.3  7  2 -99.0 -9  2  1  1009
8 MR9  13500498  10.0 254.0 11755  48.4 -99.00  5  98  10.1 108.1  14.3  7  2 -99.0 -9  2  1  10098
MR9  13502948 327.0 233.0 13846  39.5 -99.00  5  98  10.6 107.3  15.1  7  2 -99.0 -9  2  1  10098
MR9  13505468 301.0 210.0 15590  36.2 -99.00  5  98   9.7 105.6  16.0  7  2 -99.0 -9  2  1  20098 M
R9  13507918 278.0 195.0 16590  36.9 -99.00  5  98  13.3 108.0  16.7  7  2 -99.0 -9  2  1  20098 MR
9  13508129 285.0 211.0 16397  46.3 -99.00  5  98  23.8 159.5  13.3  7  2 -99.0 -9  2  1  20098 V01
4110  15.9 103.2 31805 106.5 -99.00  2  85   4.7  27.6   8.6  6  2 -99.0 -9 -9 -9 -90098 V01
Start 4110  15.9 103.2 31805 106.5 -99.00  2  85   4.7  27.6   8.6  3  2   4.0  1 -9 -9 -90098 V01
5103  12.7 108.6 31272 105.7 -99.00  1  86   9.6  39.3   8.2  7  1 -99.0 -9  2  1  20098 V01
```

BK-1 D-82239

Files, record 137

```
9.   3 203  -6.1  84.1   8.3  7  2 -99.0 -9  2  1  10098 V01    926106 355.4  94.2  2294  68.1 -99
.00  3 203  -6.1  84.8   8.3  7  2 -99.0 -9  2  1  10098 V01    926107 355.9  93.5  2290  69.1 -99.
00  3 203  -7.2  84.0   8.4  7  2 -99.0 -9  2  1  10098 V01    926108 355.2  92.7  2270  67.8 -99.0
0  3 203  -7.2  84.7   8.3  7  2 -99.0 -9  2  1  10098 V01    926109 355.8  92.0  2268  68.8 -99.00
 3 203  -8.3  84.0   8.4  7  2 -99.0 -9  2  1  10098 V01    926110 354.9  91.2  2248  67.6 -99.00
 3 203  -8.2  84.7   8.3  7  2 -99.0 -9  2  1  10098 V01    960111 351.8  87.0  2796  99.6 -99.00
1 224 -18.7 139.5   7.4  7  2 -99.0 -9  1  1  10098 V01    960112 351.5  87.1  2777  99.2 -99.00  2
224 -18.5 139.7   7.4  7  2 -99.0 -9  2  1  20098 V01    960121 350.2  89.0  2330  91.9 -99.00  1
224 -18.6 140.6   7.3  7  2 -99.0 -9  2  1  20098 V01    960122 349.9  88.9  2317  91.6 -99.00  2 2
24 -18.5 141.6   7.3  7  2 -99.0 -9  2  1  20098 V01    960131 349.7  93.4  1902  79.8 -99.00  1 22
4 -16.5 141.9   7.3  7  2 -99.0 -9  1  1  20098 V01    960132 349.3  93.1  1892  79.2 -99.00  2 224
-16.4 142.0   7.3  7  2 -99.0 -9  1  1  20098 V01    960141   1.6 100.1  1688  57.8 -99.00  1 224
-12.6 145.8   7.1  7  2 -99.0 -9  1  1  20098 V01    960142   1.3  95.1  1692  56.9 -99.00  2 224 -
12.4 146.0   7.1  7  2 -99.0 -9  1  1  20098 V01    972101 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -9
9.0 -99.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972102 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99
.0 -99.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972103 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.
0 -99.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972104 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0
-99.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972105 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0
-99.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972107 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -
99.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972107 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -9
9.0 -99.0  7  2 -99.0 -9  1  1  10098 V01    972108 -99.0 -99.0   -99 -99.0 -99.00 -9 -99 -99.0 -99
.0 -99.0  7  2 -99.0 -9  1  1  10098 V02    4201 352.3 127.4  2110  63.1 -99.00  2 107  42.5 116.
5  10.2  7  2 -99.0 -9  1  1  10098 V02    4202 350.6 130.9  2162  63.9 -99.00  2 107  43.7 114.9
10.3  7  2 -99.0 -9  1  1  10098 V02    4203 350.8 125.8  2146  64.2 -99.00  2 107  42.8 114.6
10.3  7  2 -99.0 -9  1  1  10098 V02    4204 349.3 132.9  2191  64.7 -99.00  2 107  43.9 113.3
10.4  7  2 -99.0 -9  1  1  10098 V02    4205 349.5 131.9  2176  65.0 -99.00  2 107  43.0 113.0  1
0.4  7  2 -99.0 -9  1  1  10098 V02    4206 348.0 135.0  2223  65.4 -99.00  2 107  44.2 111.7  10
.6  7  2 -99.0 -9  1  1  10098 V02    4207 348.3 133.9  2206  65.7 -99.00  2 107  43.2 111.4  10.
6  7  2 -99.0 -9  1  1  10098 V02    4208 346.7 137.2  2259  66.2 -99.00  2 107  44.3 109.9  10.7
7  2 -99.0 -9  1  1  10098 V02    4209 347.1 136.2  2242  66.5 -99.00  2 107  43.4 109.7  10.7
7  2 -99.0 -9  1  1  10098 V02    4210 345.5 139.5  2299  67.0 -99.00  2 107  44.5 108.1  10.8
7  2 -99.0 -9  1  1  10098 V02    4211 345.9 138.6  2281  67.2 -99.00  2 107  43.5 107.9  10.8  7
2 -99.0 -9  1  1  10098 V02    4212 344.3 142.0  2344  67.8 -99.00  2 107  44.6 106.1  10.9  7
2 -99.0 -9  1  1  10098 V02    4213 344.8 141.2  2325  68.0 -99.00  2 107  43.6 106.1  10.9  7
2 -99.0 -9  1  1  10098 V02    4214 343.2 144.5  2393  68.5 -99.00  2 107  44.7 104.1  11.1  7  2
-99.0 -9  1  1  10098 V02    4215 343.7 143.9  2374  68.7 -99.00  2 107  43.7 104.0  11.1  7  2
-99.0 -9  1  1  10098 V02    4216 342.1 147.2  2450  69.3 -99.00  2 107  44.8 101.9  11.2  7  2 -
99.0 -9  1  1  10098 V02    4217 342.7 146.8  2430  69.5 -99.00  2 107  43.8 101.9  11.2  7  2 -9
9.0 -9  1  1  10098 V02    4218 341.0 150.0  2516  70.0 -99.00  2 107  44.9  99.4  11.4  7  2 -99
.0 -9  1  1  10098 V02    4219 341.7 149.7  2495  70.2 -99.00  2 107  43.8  99.6  11.4  7  2 -99.
0 -9  1  1  10098 V02    4220 340.0 152.8  2592  70.8 -99.00  2 107  44.9  96.8  11.6  7  2 -99.0
-9  1  1  10098 V02    4221 340.8 152.7  2568  71.0 -99.00  2 107  43.8  97.0  11.5  7  2 -99.0
-9  1  1  10098 V02    4222 339.2 155.6  2680  71.5 -99.00  2 107  44.8  93.9  11.8  7  2 -99.0 -
9  1  1  10098 V02    4223 340.0 155.7  2654  71.7 -99.00  2 107  43.7  94.2  11.7  7  2 -99.0 -9
1  1  10098 V02    4224 338.5 158.3  2789  72.3 -99.00  2 107  44.6  90.5  12.0  7  2 -99.0 -9
1  1  10098 V02    4225 346.5 127.4  1906  56.4 -99.00  3 107  44.6 112.3  10.5  7  2 -99.0 -9
1  1  10098 V02    4226 345.3 130.3  1940  57.0 -99.00  3 107  45.5 111.0  10.6  7  2 -99.0 -9  1
1  10098 V02    4227 345.3 129.1  1925  57.2 -99.00  3 107  44.7 110.9  10.6  7  2 -99.0 -9  1
1  10098 V02    4228 344.1 131.9  1959  57.7 -99.00  3 107  45.6 109.6  10.7  7  2 -99.0 -9  1
1  10098 V02    4229 344.2 131.0  1947  57.9 -99.00  3 107  44.8 109.4  10.7  7  2 -99.0 -9  1  1
10098 V02    4230 342.9 133.9  1984  58.4 -99.00  3 107  45.7 108.1  10.8  7  2 -99.0 -9  1  1
10098 V02    4231 343.1 132.9  1971  58.7 -99.00  3 107  44.9 108.0  10.8  7  2 -99.0 -9  1  1
10098 V02    4232 341.8 135.9  2011  59.2 -99.00  3 107  45.8 106.5  10.9  7  2 -99.0 -9  1  1  1
0098 V02    4233 342.0 135.0  1997  59.4 -99.00  3 107  45.0 106.4  10.9  7  2 -99.0 -9  1  1  10
098 V02    4234 341.7 138.0  2040  60.0 -99.00  3 107  45.9 104.9  11.1  7  2 -99.0 -9  1  1  1^^
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

TAPE NO.   1              FILE NO.   5
RECORD   138              LENGTH   9964
0098 V02    4235 341.0 137.2  2026  60.2 -99.00  3 107  45.1 104.8  11.1  7  2 -99.0 -9  1  1  10
098 V02    4236 339.7 140.1  2072  60.7 -99.00  3 107  45.9 103.2  11.2  7  2 -99.0 -9  1  1  100
98 V02    4237 340.0 139.3  2055  60.9 -99.00  3 107  45.1 103.2  11.1  7  2 -99.0 -9  1  1  1009
8 V02    4238 338.7 142.2  2105  61.4 -99.00  3 107  45.9 101.5  11.3  7  2 -99.0 -9  1  1  10098
V02    4239 339.1 141.6  2091  61.7 -99.00  3 107  45.0 101.5  11.3  7  2 -99.0 -9  1  1  10098
V02    4240 337.8 144.5  2142  62.2 -99.00  3 107  45.9  99.7  11.4  7  2 -99.0 -9  1  1  10098 V
02    4241 338.2 144.0  2127  62.4 -99.00  3 107  45.0  99.8  11.4  7  2 -99.0 -9  1  1  10098 V0
```

D-82239

VO2 STOP TIME

```
INPUT PARAMETERS ARE[illegible]S SR=208=1 1 1 5

 TAPE NO.   1                  FILE NO.   5
 RECORD    2                   LENGTH    5964
[illegible]098 VO2     586257 181.6 100.3  2886  74.4 -99.00  3  65  66.9 130.5  17.7  7  2 -99.0 -9  1  1  10
098 VO2      585269 168.7  97.7  3000  53.8 -99.00  3  65  65.0 115.8  18.7  2  2 245.0  2 -9 -9 -900
98 VO2     586276 179.8 102.8  3459  85.0 -99.00  3  65  62.7 136.2  17.4  7  2 -99.0 -9  1  1  1009
8 VO2      586278 177.5 102.0  3455  84.0 -99.00  3  65  62.7 133.2  17.6  3  2 295.0  1 -9 -9 -90098
 VO2     586290 163.4  97.4  3502  78.0 -99.00  3  65  60.7 116.4  18.7  7  2 -99.0 -9  1  1  10098
VO2     669295 147.3  90.4  8498  70.6 -99.00  5 102  47.0  14.8  19.6  7  2 -99.0 -9  1  1  20098 V
02    701201 209.1  76.5  7139  66.0 -99.00  5 116  78.3 126.2  15.1  7  2 -99.0 -9  1  1  20098 VO
2     701202 200.8  78.5  7073  65.8 -99.00  5 116  75.7 118.5  15.6  7  2 -99.0 -9  1  1  20098 VO2
   701203 200.3  77.5  7138  65.2 -99.00  5 116  78.7 117.5  15.7  7  2 -99.0 -9  1  1  20098 VO2
   701204 191.4  79.6  7071  64.7 -99.00  5 116  75.9 109.3  16.2  7  2 -99.0 -9  1  1  20098 VO2
  701205 188.4  78.8  7141  64.2 -99.00  5 116  79.0 106.3  16.4  7  2 -99.0 -9  1  1  20098 VO2
 701206 182.1  80.6  7079  63.7 -99.00  5 116  75.9 100.6  16.8  7  2 -99.0 -9  1  1  20098 VO2
701207 175.9  79.9  7150  63.2 -99.00  5 116  78.8  95.1  17.2  7  2 -99.0 -9  1  1  20098 VO2   7
01208 172.5  81.6  7093  62.7 -99.00  5 116  75.5  91.6  17.4  7  2 -99.0 -9  1  1  20098 VO2   70
1209 164.3  81.0  7167  62.2 -99.00  5 116  78.2  84.5  17.9  7  2 -99.0 -9  1  1  20098 VO2   701
210 163.7  82.5  7114  61.7 -99.00  5 116  75.0  83.1  18.0  7  2 -99.0 -9  1  1  20098 VO2   7012
11 154.0  82.1  7193  61.2 -99.00  5 116  77.3  74.5  18.5  7  2 -99.0 -9  1  1  20098 VO2   70121
2 156.5  83.3  7142  60.7 -99.00  5 116  74.1  75.9  18.5  7  2 -99.0 -9  1  1  20098 VO2   701213
 146.2  83.0  7226  60.2 -99.00  5 116  76.2  66.3  19.1  7  2 -99.0 -9  1  1  20098 VO2   701214
150.2  84.1  7179  59.7 -99.00  5 116  73.0  65.1  18.9  7  2 -99.0 -9  1  1  20098 VO2   701215 1
4[illegible]  84.0  7268  59.2 -99.00  5 116  74.8  59.1  19.6  7  2 -99.0 -9  1  1  20098 VO2   701217 13
5.3  85.0  7318  58.2 -99.00  5 116  73.2  53.0  20.0  7  2 -99.0 -9  1  1  20098 VO2   701217 135
.3  85.0  7318  58.2 -99.00  5 116  73.2  53.0  20.0  7  2 -99.0 -9  1  1  20098 VO2   701218 140.
5  85.6  7279  57.7 -99.00  5 116  74.2  57.2  19.7  7  2 -99.0 -9  1  1  20098 VO2   701219 131.7
 86.0  7377  57.2 -99.00  5 116  71.5  47.6  20.4  7  2 -99.0 -9  1  1  20098 VO2   701220 137.3
 86.4  7333  56.8 -99.00  5 116  68.7  52.5  20.0  7  2 -99.0 -9  1  1  20098 VO2   701221 129.1
86.9  7444  56.3 -99.00  5 116  69.7  43.2  20.6  7  2 -99.0 -9  1  1  20098 VO2   701222 134.5  8
7.2  7412  55.8 -99.00  5 116  66.9  48.0  20.3  7  2 -99.0 -9  1  1  20098 VO2   701223 127.1  88
.0  7524  55.3 -99.00  5 116  67.6  39.1  20.9  7  2 -99.0 -9  1  1  20098 VO2   701224 132.3  88.
1  7499  54.8 -99.00  5 116  64.9  43.7  21.6  7  2 -99.0 -9  1  1  20098 VO2   701231 177.9  82.6
  7482  64.3 -99.00  5 116  72.3  97.3  17.1  7  2 -99.0 -9  1  1  20098 VO2   701232 175.6  84.4
 7444  63.3 -99.00  5 116  69.1  94.7  17.3  7  2 -99.0 -9  1  1  20098 VO2   701233 170.4  83.4
7499  63.3 -99.00  5 116  71.9  90.0  17.6  7  2 -99.0 -9  1  1  20098 VO2   701234 169.4  85.0  7
464  62.8 -99.00  5 116  68.6  88.5  17.7  7  2 -99.0 -9  1  1  20098 VO2   701235 163.7  84.2  75
22  62.3 -99.00  5 116  71.2  83.3  18.0  7  2 -99.0 -9  1  1  20098 VO2   701250 191.6  86.6  775
9  68.0 -99.00  5 116  62.3 112.8  16.1  5  2 300.0  3 -9 -9 -90098 VO2   701273 192.4  88.1  8227
  69.3 -99.00  5 116  59.2 115.5  16.0  5  2  45.0  3 -9 -9 -9^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
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```
CCSD1Z00000100000000NJPL1V00PDS100019016 = SFDU_LABEL

OBJECT                          = VOLUME_SET
 DATA_SET_ID                    = "VL1/VL2-M-LCS-5-ATMOS-OPTICAL-DEPTH-V1.0"
 MEDIA_TYPE                     = TAPE
 TAPES                          = 1
 NOTE                           = "Viking Lander camera images of the Sun were
used to compute total normal atmospheric optical depth at the two landing
sites over a period of about 900 Mars days.  The data set contains 1044
measurements of optical depth and associated error estimates."

 OBJECT                          = VOLUME
  NAME                           = VLOPAC
  MEDIA_TYPE                     = TAPE
  TAPE_DENSITY                   = 1600
  TAPES                          = 1
  SEQUENCE_NUMBER                = 1
  PROCESS_NAME                   = COPY
  FORMAT                         = ANSI
  BLOCK_BYTES                    = 9984
  HARDWARE_NAME                  = "VAX 11/785"
  OPERATING_SYSTEM_NAME          = "VMS 5.1-1"
  FILES                          = 2
  DATE_TIME                      = 1989-09-12

  OBJECT                          = DIRECTORY
   NAME                           = ROOT

   OBJECT                          = FILE
    NAME                           = "VOLDESC.SFD"
    RECORD_TYPE                    = STREAM
   END_OBJECT                      = FILE

   OBJECT                          = FILE
    NAME                           = "VL_OPAC.DAT"
    RECORD_TYPE                    = FIXED_LENGTH
    FORMAT                         = ASCII
    FILE_RECORDS                   = 1044
    TABLE_RECORD_BYTES             = 78
    SPACECRAFT_NAME                = "VIKING LANDER 1"
    SPACECRAFT_ID                  = VL1
    SPACECRAFT_NAME                = "VIKING LANDER 2"
    SPACECRAFT_ID                  = VL2
    NATIVE_START_TIME              = "99.7 AREOCENTRIC SOLAR LONGITUDE,
 EARTH YEAR 1976"
    NATIVE_STOP_TIME               = "234.7 AREOCENTRIC SOLAR LONGITUDE,
 EARTH YEAR 1979"

    OBJECT                          = HISTORY
     PROCESS_NAME                   = PANDA
     VERSION_DATE                   = 1989-08-31
     VERSION_NUMBER                 = 0
     DATE_TIME                      = 1989-09-12
     NODE                           = ORION
     USER                           = LEE
     PROGRAM_NOTE                   = "PIN PANDA Query Results from
      ATMOSPHERES database"

     OBJECT                          = PARAMETER_GROUP
      SQL_QUERY                      = "SELECT INTO LEE  *  FROM MARS_VL_OPAC
```

VL1 7/26/76 - 01/26/79
VL2 09/09/76 - 01/22/79
6 FILES
LABEL = VLOPAC

```
$NOP
$NP
NO PROCEDURE
$ASS IN HT1
$NOP
$NOP
$NOP
$NOP ******************** BR2 ************************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 5

 TAPE NO.    1 YR = 1976                  FILE NO.   5
 RECORD    1 YR  DAY  HR  MIN             LENGTH   9984
0082 VL1 1 1   6 17 54 0.503 0  208.751  99.701  0.011  0.009      0.  0.083  0.0840082 VL1 1 1   7
 7  6 0.660 0  209.316  99.948  0.015  0.032      0.  0.058  0.1030082 VL1 1 1  12 17 36 0.518 0  21
4.903 102.395  0.003      0.  0.001  0.098  0.0980082 VL1 1 1  12 18 23 0.515 0  214.936 102.410  0.
004      0.      0.  0.054  0.0540082 VL1 1 1  12 18 47 0.485 0  214.953 102.418  0.012      0.      0.
  0.032  0.0320082 VL1 1 1  12 18 58 0.435 0  214.961 102.421  0.026      0.      0.  0.023  0.023008
2 VL1 1 1  13  5 35 0.399 1  215.416 102.621  0.040  0.001      0.  0.019  0.0190082 VL1 1 1  13  5
47 0.605 1  215.424 102.625  0.065  0.002      0.  0.031  0.0310082 VL1 1 1  13  6 11 0.550 0  215.4
41 102.633  0.006      0.      0.  0.050  0.0500082 VL1 1 1  13  6 59 0.647 0  215.476 102.648  0.004
      0.      0.  0.096  0.0960082 VL1 2 1  28 18  6 0.525 0  231.364 109.749  0.002      0.      0.  0
.065  0.0660082 VL1 1 1  29  5 54 0.457 0  231.869 109.578  0.002      0.      0.  0.035  0.0350082 V
L1 1 1  29  6 21 0.513 0  231.888 109.987  0.002      0.      0.  0.060  0.0600082 VL1 1 1  29  7 21
0.582 0  231.931 110.006  0.003      0.  0.001  0.117  0.1170082 VL1 2 1  41 17 19 0.429 0  244.688
115.857  0.004      0.  0.001  0.106  0.1060082 VL1 2 1  41 17 51 0.413 0  244.711 115.867  0.002  0
.001      0.  0.076  0.0760082 VL1 2 1 101 17 15 0.360 0  306.334 145.922  0.003  0.001  0.001  0.09
0  0.0900082 VL1 2 1 101 17 41 0.350 0  306.353 145.932 -1.000      0.      0.      0. -1.0000082 VL1
2 1 115 16 59 0.645 0  320.708 153.360  0.007  0.002      0.  0.100  0.1000082 VL1 2 1 115 17 52 0.5
81 0  320.746 153.380  0.007  0.003      0.  0.048  0.0480082 VL1 2 1 155 16 44 0.753 0  361.797 175
.513  0.010  0.003      0.  0.095  0.0950082 VL1 2 1 155 17 31 0.742 0  361.830 175.531  0.039  0.00
2      0.  0.048  0.0480082 VL1 2 1 168 17 39 0.753 1  375.193 183.021  0.077  0.001      0.  0.035
0.0350082 VL1 1 1 169  6 21 0.906 1  375.737 183.329  0.083  0.001      0.  0.039  0.0390082 VL1 1 1
 169  7  9 1.010 0  375.771 183.348  0.026  0.009      0.  0.087  0.0870082 VL1 1 1 169  8 14 1.050
0  375.818 183.374  0.014  0.005  0.015  0.148  0.1490082 VL1 2 1 174 16 39 0.803 0  381.316 186.57
6  0.012  0.004  0.001  0.091  0.0910082 VL1 2 1 174 17 26 0.959 0  381.349 186.595 -1.000      0.
   0.      0. -1.0000082 VL1 1 1 175  6 32 0.981 1  381.510 186.919  0.101  0.001      0.  0.047  0.0
470082 VL1 1 1 175  7 22 0.961 0  381.946 186.940  0.018  0.006      0.  0.097  0.0970082 VL1 2 1 18
3 16 35 1.110 0  390.560 191.942  0.015  0.001  0.001  0.090  0.0900082 VL1 2 1 183 17 20 1.210 1
390.592 191.961  0.101  0.001      0.  0.046  0.0460082 VL1 1 1 185  6 36 1.130 0  392.188 192.892
0.057      0.      0.  0.047  0.0470082 VL1 1 1 185  7 21 1.300 0  392.220 192.911  0.027  0.009
0.  0.092  0.0920082 VL1 2 1 207 16 24 0.873 0  415.212 206.493  0.007  0.003  0.001  0.091  0.0910
082 VL1 2 1 207 16 44 0.862 0  415.226 206.501  0.005  0.002      0.  0.073  0.0730082 VL1 1 1 208
7 22 0.947 0  415.853 206.876  0.006  0.002      0.  0.079  0.0790082 VL1 1 1 208  8  5 0.911 0  415
.884 206.894  0.006  0.001  0.101  0.119  0.1190082 VL1 2 1 209 15 36 1.260 0  417.233 207.701  0.0
13  0.001  0.021  0.133  0.1350082 VL1 2 1 209 16 26 1.380 0  417.269 207.722  0.018  0.001      0.
 0.089  0.0890082 VL1 1 1 210  7 42 2.470 1  417.922 208.114  0.210  0.002      0.  0.096  0.0960082
 VL1 1 1 210  8 22 3.060 1  417.951 208.131  0.289  0.003  0.001  0.131  0.1310082 VL1 1 1 210  8 5
4 3.130 1  417.973 208.145  0.346  0.003  0.025  0.157  0.1600082 VL1 2 1 211 15 37 1.840 0  419.28
9 208.933  0.043  0.003  0.019  0.132  0.1330082 VL1 2 1 211 15 54 1.890 0  419.301 208.940  0.059
 0.001  0.004  0.117  0.1170082 VL1 2 1 211 16 32 2.060 0  419.328 208.956  0.265  0.044      0.  0.
083  0.0940082 VL1 2 1 222  8 16 2.600 0  430.276 215.557  0.162  0.001      0.  0.116  0.1160082 VL
1 2 1 222  8 49 2.690 0  430.300 215.571  0.079  0.003  0.010  0.142  0.1420082 VL1 2 1 222  9  6 2
.630 0  430.312 215.579  0.063  0.018  0.024  0.154  0.1570082 VL1 1 1 222  9  9 2.730 0  430.314 2
15.580  0.075  0.116  0.026  0.159  0.1990082 VL1 1 1 222 15 26 2.490 0  430.583 215.743  0.082  0.
034  0.022  0.139  0.1440082 VL1 2 1 222 16 16 2.260 1  430.619 215.765  0.211  0.002  0.001  0.095
  0.0950082 VL1 2 1 239 15 36 1.980 0  448.058 226.425  0.031  0.003  0.011  0.124  0.1250082 VL1 2
 1 239 16  8 1.970 0  448.080 226.439  0.037  0.024      0.  0.098  0.1010082 VL1 2 1 240  8 34 2.00
0 0  448.784 226.873  0.015  0.012      0.  0.116  0.1170082 VL1 2 1 240  8 51 2.020 0  448.796 226.
880  0.026  0.007  0.002  0.130  0.1300082 VL1 1 1 240  8 55 2.010 0  448.799 226.882  0.025  0.017
  0.001  0.134  0.1350082 VL1 2 1 240  9 21 1.970 0  448.817 226.893  0.019  0.005  0.021  0.151  0
.1520082 VL1 1 1 246  8 31 2.000 0  454.947 230.684  0.050  0.001      0.  0.110  0.1100082 VL1 1 1
248  8 37 2.000 0  457.906 231.963  0.046  0.034      0.  0.113  0.1180082 VL1 1 1 251  8 33 1.830 0
  460.086 233.880  0.036  0.023      0.  0.107  0.1100082 VL1 1 1 252  8 34 1.820 0  461.114 234.521
  0.037  0.031      0.  0.107  0.1110082 VL1 1 1 254  8 29 1.790 0  463.165 235.802  0.040  0.028
```

```
207  0.060  0.001  0.125  0.1390082 VL1 2 2 920  9 39 2.820 0 1147.524 234.456  0.089  0.038  0.024
 0.153  0.1590082 VL1 2 2 920 10 19 2.460 0 1147.553 234.474  0.082  0.015  0.099  0.174  0.200008
2 VL1 2 2 920 14 44 2.680 0 1147.742 234.595  0.135  0.041  0.071  0.158  0.1780082 VL1 2 2 920 16
 9 1.490 0 1147.802 234.634  0.015  0.008  0.001  0.097  0.0970082 VL1 2 2 920 17  9 1.040 1 1147.8
45 234.662  0.075  0.023     0.  0.045  0.0510082 VL2 1 1   6 17 57 0.275 0  254.467 120.428  0.002
    0.  0.010  0.055  0.0560082 VL2 1 1   7  6 12 0.283 0  254.992 120.675  0.001    0.    0.  0
.044  0.0440082 VL2 1 1  15 18 22 0.245 0  263.733 124.827  0.004  0.001    0.  0.043  0.0430082 V
L2 1 1  15 19  7 0.249 0  263.765 124.843  0.002  0.001    0.  0.024  0.0240082 VL2 1 1  22 18  6
0.266 0  270.914 128.284  0.003  0.001  0.001  0.047  0.0470082 VL2 1 1  22 18 40 0.284 0  270.938
128.295  0.003  0.001    0.  0.034  0.0340082 VL2 2 1  25  5 21 0.451 0  273.450 129.514  0.005
  0.    0.  0.023  0.0230082 VL2 2 1  25  6  6 0.514 0  273.482 129.530  0.006    0.    0.  0.04
1 0.0410082 VL2 2 1  25  6 46 0.502 0  273.511 129.544  0.005    0.    0.  0.058  0.0580082 VL2
1 1  28 18 18 0.314 0  277.087 131.287  0.004    0.  0.001  0.040  0.0400082 VL2 1 1  28 19  3 0.3
09 0  277.119 131.303  0.002    0.    0.  0.023  0.0230082 VL2 1 1  31 18  6 0.287 0  280.161 132
.794  0.003    0.  0.001  0.044  0.0440082 VL2 1 1  31 19  4 0.296 0  280.202 132.814  0.002    0
.    0.  0.022  0.022^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

***** JOB DONE.

$$
$EXE TPDC79 BS
```

FILE 5, RECORD 5

0. -1.0000082 VL2 1 2 665 17 25 0.362 0 931.561 116.241 -1.000 0. 0. 0. -1.0000082 V
L2 1 2 667 17 27 0.380 0 933.617 117.170 -1.000 0. 0. 0. -1.0000082 VL2 2 2 668 6 54
0.394 0 934.193 117.430 -1.000 0. 0. 0. -1.0000082 VL2 2 2 671 7 10 0.440 0 937.287
118.827 0.004 0.031 0. 0.071 0.0770082 VL2 1 2 671 17 26 0.338 0 937.727 119.026 0.004 0
.007 0.036 0.067 0.0770082 VL2 2 2 677 7 6 0.468 0 943.449 121.618 0.004 0.007 0. 0.06
9 0.0690082 VL2 1 2 677 17 28 0.387 0 943.893 121.824 0.004 0.008 0.029 0.065 0.0720082 VL2
2 2 683 7 3 0.361 0 949.612 124.493 0.003 0.008 0. 0.067 0.0670082 VL2 1 2 683 17 17 0.3
59 0 950.050 124.699 0.008 0.023 0.038 0.068 0.0810082 VL2 2 2 690 6 57 0.398 0 956.800 127
.889 0.003 0.006 0. 0.063 0.0630082 VL2 1 2 690 17 20 0.292 0 957.245 128.100 0.005 0.02
4 0.028 0.065 0.0740082 VL2 2 2 696 7 4 0.465 0 962.970 130.839 0.004 0.008 0. 0.065
0.0660082 VL2 1 2 696 17 22 0.317 0 963.411 131.051 0.005 0.007 0.021 0.062 0.0660082 VL2 2 2
702 7 0 0.510 0 969.132 133.819 0.002 0.024 0. 0.062 0.0660082 VL2 1 2 702 17 25 0.328
0 969.578 134.036 0.002 0.038 0.016 0.059 0.0720082 VL2 2 2 704 6 59 0.539 0 971.186 134.82
0 0.002 0.002 0. 0.061 0.0610082 VL2 1 2 704 17 26 0.292 0 971.634 135.038 0.002 0.006
0.015 0.058 0.0600082 VL2 2 2 708 7 9 0.470 0 975.303 136.837 0.002 0.012 0. 0.065 0.0
66082 VL2 1 2 708 17 26 0.347 0 975.744 137.053 0.002 0.002 0.013 0.057 0.0580082 VL2 2 2 71
4 7 6 0.370 2 981.466 139.883 0.002 0.027 0. 0.062 0.0680082 VL2 1 2 714 17 32 0.264 2
981.913 140.105 0.002 0.010 0. 0.052 0.0530082 VL2 2 2 720 7 3 0.419 2 987.629 142.963
0.002 0.031 0. 0.059 0.0670082 VL2 1 2 720 17 22 0.409 0 988.071 143.185 0.002 0.008 0.0
09 0.054 0.0550082 VL2 2 2 727 6 57 0.401 2 994.817 146.597 0.002 0.004 0. 0.054 0.0540
082 VL2 1 2 727 17 24 0.421 0 995.265 146.824 0.002 0.042 0.003 0.050 0.0660082 VL2 2 2 733
7 4 0.340 2 1000.987 149.752 0.001 0.019 0. 0.056 0.0590082 VL2 2 2 739 6 59 0.490 0 1007
.149 152.936 0.002 0.002 0. 0.052 0.0520082 VL2 1 2 739 17 20 0.315 0 1007.592 153.166 0.0
02 0.023 0.001 0.047 0.0520082 VL2 1 2 745 17 26 0.422 0 1013.761 156.398 0.003 0.028 0.
0.042 0.0460082 VL2 2 2 751 7 9 0.534 0 1019.486 159.411 0.003 0.030 0. 0.052 0.0600082
VL2 1 2 751 17 29 0.368 0 1019.928 159.645 0.002 0.020 0.001 0.038 0.0430082 VL2 2 2 757 7
5 0.558 0 1025.648 162.695 0.003 0.010 0. 0.048 0.0490082 VL2 1 2 757 17 22 0.402 0 1026.08
8 162.931 0.003 0.003 0.001 0.038 0.0380082 VL2 2 2 764 6 59 0.448 0 1032.836 166.567 0.002
0.017 0. 0.043 0.0460082 VL2 1 2 764 17 24 0.365 0 1033.282 166.809 0.002 0.003 0. 0.
034 0.0340082 VL2 1 2 770 7 8 0.453 0 1039.007 169.928 0.003 0.020 0. 0.042 0.0460082 VL
2 1 2 776 17 27 0.443 0 1045.614 173.563 0.002 0.003 0. 0.027 0.0280082 VL2 2 2 778 6 59 0
.629 0 1047.221 174.452 0.003 0.049 0. 0.037 0.0610082 VL2 1 2 779 17 22 0.508 0 1048.693 1
75.269 0.003 0.003 0. 0.028 0.0280082 VL2 2 2 784 14 34 0.792 0 1053.710 178.069 0.007 0.
014 0. 0.089 0.0900082 VL2 2 2 792 14 27 0.928 0 1061.925 182.699 0.005 0.036 0. 0.087
0.0940082 VL2 2 2 800 14 31 0.606 0 1070.148 187.393 0.005 0.010 0. 0.082 0.0820082 VL2 1
2 808 9 59 0.760 0 1078.174 192.032 0.009 0.013 0.001 0.079 0.0800082 VL2 2 2 808 10 4 0.80
0 0 1078.177 192.034 0.007 0.007 0. 0.085 0.0850082 VL2 2 2 808 14 44 0.669 0 1078.377 192.
150 0.006 0.010 0. 0.074 0.0740082 VL2 2 2 816 14 37 0.710 0 1086.592 196.958 0.007 0.010
0. 0.071 0.0720082 VL2 2 2 824 14 21 1.040 0 1094.801 201.820 0.014 0.012 0. 0.071 0
.0720082 VL2 2 2 832 13 39 0.969 0 1102.991 206.731 0.011 0.008 0. 0.076 0.0760082 VL2 2 2
840 13 47 1.560 0 1111.216 211.721 0.012 0.006 0. 0.070 0.0700082 VL2 2 2 848 13 56 1.320 0
1119.443 216.771 0.008 0.010 0. 0.065 0.0650082 VL2 2 2 856 13 59 0.593 0 1127.665 221.878
0.004 0.007 0. 0.061 0.0610082 VL2 2 2 864 14 2 1.670 0 1135.887 227.043 0.030 0.013
0. 0.056 0.0580082 VL2 2 2 872 9 8 0.731 0 1143.897 232.133 0.003 0.004 0. 0.033 0.03
40082 VL2 2 2 872 9 13 0.734 0 1143.900 232.135 0.010 0.005 0. 0.035 0.0350082 VL2 2 2 872
9 53 0.693 0 1143.929 232.153 0.005 0.018 0. 0.045 0.0490082 VL2 2 2 872 10 43 0.772 0 11
43.965 232.176 0.010 0.007 0. 0.055 0.0560082 VL2 2 2 872 10 48 0.741 0 1143.968 232.178 0
.002 0.017 0. 0.056 0.0590082 VL2 2 2 872 11 48 0.835 0 1144.011 232.206 0.010 0.008 0
. 0.062 0.0630082 VL2 2 2 872 12 53 0.875 0 1144.057 232.235 0.011 0.013 0. 0.062 0.06300
82 VL2 2 2 872 13 3 0.875 0 1144.065 232.240 0.003 0.006 0. 0.061 0.0620082 VL2 2 2 872 13
33 0.936 0 1144.086 232.253 0.014 0.007 0. 0.058 0.0580082 VL2 2 2 872 13 43 0.909 0 1144.
093 232.258 0.003 0.005 0. 0.057 0.0570082 VL2 2 2 872 14 48 1.220 0 1144.139 232.288 0.01
9 0.007 0. 0.044 0.0440082 VL2 2 2 872 15 53 0.989 1 1144.186 232.317 0.070 0.022 0.
0.025 0.0330082 VL2 1 2 872 16 48 0.349 1 1144.225 232.342 0.023 0.007 0. 0.008 0.011

Day 7 File 5 Record 9

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CCSD1Z00000100000000NJPL1V00PDS100020988 = SFDU_LABEL

OBJECT                          = VOLUME_SET
 DATA_SET_ID                    = "VL1/VL2-M-MET-3-P-V1.0"
 MEDIA_TYPE                     = TAPE
 TAPES                          = 1
 NOTE                           = "This data set contains the martian surface
atmospheric pressure readings obtained through much of the duration of the
Viking Lander 1 and 2 missions (data are included for Viking Lander 1 sols 0 -
2245 and Viking Lander 2 sols 0 - 1050).  The data are derived from the
ambient pressure sensor carried onboard the Landers and values are presented
on a point by point basis."

 OBJECT                          = VOLUME
  NAME                           = VLPRES
  MEDIA_TYPE                     = TAPE
  TAPE_DENSITY                   = 1600
  TAPES                          = 1
  SEQUENCE_NUMBER                = 1
  PROCESS_NAME                   = COPY
  FORMAT                         = ANSI
  BLOCK_BYTES                    = 9972
  HARDWARE_NAME                  = "VAX 11/785"
  OPERATING_SYSTEM_NAME          = "VMS 5.1-1"
  FILES                          = 2
  DATE_TIME                      = 1989-09-13

  OBJECT                          = DIRECTORY
   NAME                           = ROOT

   OBJECT                          = FILE
    NAME                           = "VOLDESC.SFD"
    RECORD_TYPE                    = STREAM
   END_OBJECT                      = FILE

   OBJECT                          = FILE
    NAME                           = "VL_PRESS.DAT"
    RECORD_TYPE                    = FIXED_LENGTH
    FORMAT                         = ASCII
    FILE_RECORDS                   = 150551
    TABLE_RECORD_BYTES             = 36
    SPACECRAFT_NAME                = "VIKING LANDER 1"
    SPACECRAFT_ID                  = VL1
    SPACECRAFT_NAME                = "VIKING LANDER 2"
    SPACECRAFT_ID                  = VL2
    NATIVE_START_TIME              = "97.1 AREOCENTRIC SOLAR LONGITUDE, EARTH
YEAR 1976"
    NATIVE_STOP_TIME               = "226.7 AREOCENTRIC SOLAR LONGITUDE, EARTH
YEAR 1982"


    OBJECT                          = HISTORY
     PROCESS_NAME                   = PANDA
     VERSION_DATE                   = 1989-08-31
     VERSION_NUMBER                 = 0
     DATE_TIME                      = 1989-09-13
     NODE                           = ORION
     USER                           = LEE
     PROGRAM_NOTE                   = "PIN PANDA Query Results from
      ATMOSPHERES database"
```

D-82241
VL1 07/20/76 - 09/26/82
VL2 09/03/76 - 12/08/79
6 Files
Label = VLPRES

```
DATA IGNORED
$ASS IN HTO
$NOP
$NOP
$NOP
$NOP ********************* BR3 ******************************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 5

 TAPE NO.   1              FILE NO.   5
 RECORD  XR                LENGTH   9972
0040 VL1  1  97.073    0 18  0 49  7.5340040 VL1  1  97.073    0 18  0 50  7.5340040 VL1  1  97.073
    0 18  0 51  7.5340040 VL1  1  97.073    0 18  0 52  7.5340040 VL1  1  97.090    0 18 55 32  7.5
340040 VL1  1  97.090    0 18 55 33  7.5340040 VL1  1  97.090    0 18 55 34  7.5340040 VL1  1  97.0
90    0 18 55 35  7.5340040 VL1  1  97.111    0 20  4 52  7.6190040 VL1  1  97.111    0 20  4 53  7
.6190040 VL1  1  97.111    0 20  4 55  7.6190040 VL1  1  97.138    0 21 31 54  7.6190040 VL1  1  97
.138    0 21 31 55  7.6190040 VL1  1  97.138    0 21 31 56  7.6190040 VL1  1  97.138    0 21 31 57
 7.6190040 VL1  1  97.165    0 22 58 56  7.7040040 VL1  1  97.165    0 22 58 57  7.7040040 VL1  1
97.165    0 22 58 58  7.7040040 VL1  1  97.165    0 22 58 59  7.7040040 VL1  1  97.177    0 23 37
0  7.6190040 VL1  1  97.177    0 23 37 36  7.6190040 VL1  1  97.192    0 24 25 59  7.7040040 VL1  1
  97.192    0 24 26  0  7.7890040 VL1  1  97.192    0 24 26  1  7.7040040 VL1  1  97.192    0 24 26
 2  7.7890040 VL1  1  97.219    1  1 13 25  7.7040040 VL1  1  97.219    1  1 13 26  7.7040040 VL1
 1  97.219    1  1 13 27  7.7040040 VL1  1  97.219    1  1 13 28  7.7040040 VL1  1  97.246    1  2
40 27  7.7040040 VL1  1  97.246    1  2 40 28  7.7040040 VL1  1  97.246    1  2 40 29  7.7040040 VL
1  1  97.246    1  2 40 30  7.7040040 VL1  1  97.273    1  4  7 28  7.7040040 VL1  1  97.273    1
4  7 30  7.7040040 VL1  1  97.273    1  4  7 31  7.7040040 VL1  1  97.273    1  4  7 32  7.7040040
VL1  1  97.300    1  5 34 31  7.7040040 VL1  1  97.300    1  5 34 32  7.7040040 VL1  1  97.300    1
  5 34 33  7.7040040 VL1  1  97.300    1  5 34 34  7.7040040 VL1  1  97.327    1  7  1 33  7.704004
0 VL1  1  97.327    1  7  1 34  7.7040040 VL1  1  97.327    1  7  1 35  7.7040040 VL1  1  97.327
 1  7  1 36  7.7040040 VL1  1  97.354    1  8 28 35  7.6190040 VL1  1  97.354    1  8 28 36  7.6190
040 VL1  1  97.354    1  8 28 37  7.6190040 VL1  1  97.354    1  8 28 38  7.6190040 VL1  1  97.381
   1  9 54 51  7.6190040 VL1  1  97.381    1  9 55 26  7.6190040 VL1  1  97.394    1 10 35 36  7.61
90040 VL1  1  97.395    1 10 40 11  7.6190040 VL1  1  97.395    1 10 41 43  7.6190040 VL1  1  97.39
5    1 10 42 40  7.6190040 VL1  1  97.395    1 10 43 15  7.6190040 VL1  1  97.396    1 10 44 47  7.
6190040 VL1  1  97.396    1 10 45 44  7.6190040 VL1  1  97.396    1 10 46 20  7.6190040 VL1  1  97.
397    1 10 47 52  7.6190040 VL1  1  97.397    1 10 48 48  7.6190040 VL1  1  97.397    1 10 49 24
7.6190040 VL1  1  97.398    1 10 50 56  7.6190040 VL1  1  97.398    1 10 51 53  7.6190040 VL1  1  9
7.398    1 10 52 28  7.6190040 VL1  1  97.399    1 10 54  0  7.6190040 VL1  1  97.399    1 10 54 57
  7.6190040 VL1  1  97.399    1 10 55 33  7.6190040 VL1  1  97.400    1 10 57  5  7.6190040 VL1  1
 97.400    1 10 58  1  7.6190040 VL1  1  97.400    1 10 58 37  7.6190040 VL1  1  97.401    1 11  0
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1  97.402    1 11  3 13  7.6190040 VL1  1  97.402    1 11  4 10  7.6190040 VL1  1  97.402    1 11
4 46  7.6190040 VL1  1  97.403    1 11  6 18  7.6190040 VL1  1  97.403    1 11  7 14  7.6190040 VL1
  1  97.403    1 11  7 50  7.6190040 VL1  1  97.404    1 11  9 22  7.6190040 VL1  1  97.404    1 11
10 19  7.6190040 VL1  1  97.404    1 11 10 54  7.6190040 VL1  1  97.404    1 11 12 26  7.6190040 V
L1  1  97.405    1 11 13 23  7.6190040 VL1  1  97.405    1 11 13 58  7.6190040 VL1  1  97.405    1
11 15 31  7.6190040 VL1  1  97.406    1 11 16 27  7.6190040 VL1  1  97.406    1 11 17  3  7.6190040
 VL1  1  97.406    1 11 18 35  7.6190040 VL1  1  97.435    1 12 49 41  7.6190040 VL1  1  97.435
1 12 49 42  7.6190040 VL1  1  97.435    1 12 49 43  7.6190040 VL1  1  97.435    1 12 49 44  7.61900
40 VL1  1  97.462    1 14 16 43  7.5340040 VL1  1  97.462    1 14 16 44  7.5340040 VL1  1  97.462
  1 14 16 45  7.5340040 VL1  1  97.462    1 14 16 46  7.5340040 VL1  1  97.491    1 15 50 14  7.534
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    1 15 57  7  7.5340040 VL1  1  97.493    1 15 57  8  7.5340040 VL1  1  97.493    1 15 57  9  7.5
340040 VL1  1  97.495    1 16  5  6  7.5340040 VL1  1  97.495    1 16  5  7  7.5340040 VL1  1  97.4
95    1 16  5  8  7.5340040 VL1  1  97.495    1 16  5  9  7.5340040 VL1  1  97.495    1 16  5 10  7
.5340040 VL1  1  97.495    1 16  5 11  7.5340040 VL1  1  97.498    1 16 13 36  7.5340040 VL1  1  97
.498    1 16 13 37  7.5340040 VL1  1  97.498    1 16 13 38  7.5340040 VL1  1  97.498    1 16 13 39
 7.5340040 VL1  1  97.498    1 16 13 40  7.5340040 VL1  1  97.501    1 16 22 12  7.5340040 VL1  1
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5  7.5340040 VL1  1  97.501    1 16 22 16  7.5340040 VL1  1  97.501    1 16 22 17  7.5340040 VL1  1
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File 5, Record 358

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2 9 24 8.4910040 VL1 4 224.169 2241 13 11 3 8.4020040 VL1 4 224.196 2241 14 12 41 8.2230040
VL1 4 224.223 2241 15 14 20 8.1330040 VL1 4 224.249 2241 16 15 58 7.9590040 VL1 4 224.276 2241
17 17 37 7.9590040 VL1 4 224.303 2241 18 19 15 8.0440040 VL1 4 224.329 2241 19 20 54 8.402004
0 VL1 4 224.356 2241 20 22 32 8.4020040 VL1 4 224.383 2241 21 24 11 8.3130040 VL1 4 224.410 22
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040 VL1 4 224.490 2242 0 51 9 8.4020040 VL1 4 224.516 2242 1 52 48 8.3130040 VL1 4 224.543
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30040 VL1 4 224.623 2242 5 59 23 8.3130040 VL1 4 224.650 2242 7 1 1 8.6700040 VL1 4 224.67
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8.1330040 VL1 4 224.890 2242 16 15 48 8.0440040 VL1 4 224.917 2242 17 17 26 7.9590040 VL1 4 22
4.944 2242 18 19 5 8.0440040 VL1 4 224.970 2242 19 20 44 8.4020040 VL1 4 224.997 2242 20 22 23
8.4020040 VL1 4 225.024 2242 21 24 1 8.3130040 VL1 4 225.050 2242 22 25 40 8.4910040 VL1 4
225.077 2242 23 27 18 8.5810040 VL1 4 225.104 2242 24 28 57 8.4910040 VL1 4 225.131 2243 0 51
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9 12 8.2230040 VL1 4 225.291 2243 7 0 51 8.5810040 VL1 4 225.318 2243 8 2 29 8.7600040 VL1
4 225.345 2243 9 4 8 8.7600040 VL1 4 225.371 2243 10 5 46 8.7600040 VL1 4 225.398 2243 11
7 26 8.6700040 VL1 4 225.425 2243 12 9 4 8.5810040 VL1 4 225.452 2243 13 10 43 8.4020040 V
L1 4 225.478 2243 14 12 21 8.3130040 VL1 4 225.505 2243 15 14 0 8.1330040 VL1 4 225.532 2243
16 15 38 7.9590040 VL1 4 225.558 2243 17 17 17 7.9590040 VL1 4 225.585 2243 18 18 55 8.0440040
VL1 4 225.612 2243 19 20 34 8.3130040 VL1 4 225.638 2243 20 22 12 8.3130040 VL1 4 225.665 224
3 21 23 51 8.3130040 VL1 4 225.692 2243 22 25 29 8.4020040 VL1 4 225.719 2243 23 27 8 8.49100
40 VL1 4 225.746 2243 24 28 46 8.4910040 VL1 4 225.772 2244 0 50 50 8.4020040 VL1 4 225.799 2
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0040 VL1 4 225.879 2244 4 57 24 8.1330040 VL1 4 225.906 2244 5 59 3 8.3130040 VL1 4 225.933
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600040 VL1 4 226.013 2244 10 5 37 8.7600040 VL1 4 226.040 2244 11 7 15 8.7600040 VL1 4 226.0
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.201 2244 17 17 6 7.9590040 VL1 4 226.227 2244 18 18 45 8.0440040 VL1 4 226.254 2244 19 20 24
8.4020040 VL1 4 226.280 2244 20 22 3 8.4020040 VL1 4 226.307 2244 21 23 41 8.4020040 VL1 4 2
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5 27 8.8490040 VL1 4 226.682 2245 11 7 6 8.7600040 VL1 4 226.714 2245 12 20 31 8.5810040 VL
1 4 226.717 2245 12 27 4 8.5810040 VL1 4 226.718 2245 12 30 9 8.5810040 VL1 4 226.719 2245 1
2 33 13 8.4910040 VL1 4 226.721 2245 12 36 17 8.4910040 VL1 4 226.722 2245 12 39 22 8.4910040
VL1 4 226.723 2245 12 42 26 8.4910040 VL1 4 226.725 2245 12 45 30 8.4910040 VL1 4 226.726 2245
12 47 54 8.4910040 VL1 4 226.727 2245 12 51 0 8.4910040 VL1 4 226.730 2245 12 57 17 8.491004
0 VL1 4 226.731 2245 13 0 21 8.4910040 VL1 4 226.733 2245 13 3 25 8.4910040 VL1 4 226.734 22
45 13 6 30 8.4910040 VL1 4 226.735 2245 13 9 34 8.4910040 VL1 4 226.737 2245 13 12 38 8.4910
040 VL1 4 226.738 2245 13 15 43 8.4020040 VL1 4 226.739 2245 13 18 47 8.4020040 VL2 1 117.736
11 25 38 7.8190040 VL2 1 117.736 0 11 25 40 7.819^^^^^^^^^^^^^^

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0 12 20 18 7.7320040 VL2 1 117.754 0 12 21 37 7.8190040 VL2 1 117.761 0 12 42 6 7.7
320040 VL2 1 117.846 0 17 4 54 7.7320040 VL2 1 117.874 0 18 31 37 7.8190040 VL2 1 117.9
88 0 24 25 17 7.8190040 VL2 1 117.988 0 24 25 18 7.8190040 VL2 1 117.988 0 24 25 19 7
.8190040 VL2 1 117.988 0 24 25 20 7.8190040 VL2 1 118.016 1 1 12 44 7.8190040 VL2 1 118
.016 1 1 12 45 7.8190040 VL2 1 118.016 1 1 12 46 7.8190040 VL2 1 118.016 1 1 12 47
7.8190040 VL2 1 118.045 1 2 39 46 7.8190040 VL2 1 118.045 1 2 39 47 7.8190040 VL2 1 1
18.045 1 2 39 48 7.8190040 VL2 1 118.045 1 2 39 49 7.8190040 VL2 1 118.073 1 4 6 4
8 7.8190040 VL2 1 118.073 1 4 6 49 7.8190040 VL2 1 118.073 1 4 6 50 7.8190040 VL2 1
118.097 1 5 20 10 7.7320040 VL2 1 118.101 1 5 33 10 7.8190040 VL2 1 118.101 1 5 33
51 7.8190040 VL2 1 118.101 1 5 33 52 7.8190040 VL2 1 118.101 1 5 33 53 7.8190040 VL2
1 118.129 1 7 0 52 7.8190040 VL2 1 118.129 1 7 0 53 7.8190040 VL2 1 118.129 1 7
[illegible]3.0040

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46.637 1181 17 20 45 9.0530040 VL2 3 46.670 1181 19 6 26 9.0530040 VL2 3 46.703 1181 20 52
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3 46.800 1182 1 29 35 9.0530040 VL2 3 46.833 1182 3 15 15 9.0530040 VL2 3 46.866 1182 5
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VL2 3 47.126 1182 19 5 24 8.9640040 VL2 3 47.159 1182 20 52 5 9.0530040 VL2 3 47.192 1182
22 37 46 9.0530040 VL2 3 47.224 1182 24 23 28 9.0530040 VL2 3 47.257 1183 1 29 33 9.053004
0 VL2 3 47.322 1183 5 0 55 9.0530040 VL2 3 47.354 1183 6 46 36 9.0530040 VL2 3 47.452 11
83 12 3 39 9.0530040 VL2 3 48.071 1184 20 52 44 9.0530040 VL2 3 48.103 1184 22 37 44 9.0530
040 VL2 3 48.136 1184 24 23 26 9.0530040 VL2 3 48.168 1185 1 29 31 9.0530040 VL2 3 48.245
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8.9640040 VL2 3 49.859 1188 19 7 48 8.9640040 VL2 3 49.891 1188 20 52 7 9.0530040 VL2 3 5
0.572 1190 8 32 18 9.1410040 VL2 3 50.605 1190 10 17 59 9.1410040 VL2 3 50.637 1190 12 3 39
9.0530040 VL2 3 50.669 1190 13 49 20 9.0530040 VL2 3 50.702 1190 15 35 1 9.0530040 VL2 3
50.734 1190 17 20 42 8.9640040 VL2 3 50.767 1190 19 6 23 8.9640040 VL2 3 50.799 1190 20 52
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3 51.059 1191 10 17 58 9.1410040 VL2 3 51.091 1191 12 3 39 9.0530040 VL2 3 51.124 1191 13 4
9 20 9.0530040 VL2 3 51.156 1191 15 35 0 9.0530040 VL2 3 51.188 1191 17 20 41 9.0530040 VL2
3 51.221 1191 19 6 22 8.9640040 VL2 3 51.253 1191 20 52 3 9.0530040 VL2 3 51.674 1192 19
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L2 3 51.804 1193 1 29 30 9.1410040 VL2 3 51.836 1193 3 15 11 9.1410040 VL2 3 51.869 1193
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410040 VL2 3 53.325 1196 10 17 51 9.1410040 VL2 3 53.389 1196 13 49 13 9.0530040 VL2 3 53.4
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.1410040 VL2 3 53.583 1196 24 23 19 9.1410040 VL2 3 53.616 1197 1 29 25 9.1410040 VL2 3 53
.745 1197 8 32 9 9.1410040 VL2 3 53.874 1197 15 34 53 9.0530040 VL2 3 53.946 1197 19 28 6
9.0530040 VL2 3 53.946 1197 19 30 27 9.0530040 VL2 3 53.971 1197 20 51 56 9.0530040 VL2 3
54.424 1198 20 51 55 8.9640040 VL2 3 54.682 1199 10 17 48 9.1410040 VL2 3 54.714 1199 12 3 2
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2 3 55.263 1200 17 20 46 9.0530040 VL2 3 55.263 1200 17 20 48 9.0530040 VL2 3 55.328 1200 2
0 52 11 9.0530040 VL2 3 55.360 1200 22 37 52 9.0530040 VL2 3 55.392 1200 24 23 33 8.9640040
VL2 3 55.424 1201 1 29 38 9.0530040 VL2 3 55.489 1201 5 1 0 9.0530040 VL2 3 55.553 1201
8 32 22 9.0530040 VL2 3 55.586 1201 10 18 3 9.0530040 VL2 3 55.650 1201 13 49 25 9.053004
0 VL2 3 55.682 1201 15 35 6 9.0530040 VL2 3 55.715 1201 17 20 47 8.9640040 VL2 3 55.747 12
01 19 6 28 8.9640040 VL2 3 56.231 1202 20 52 8 9.0530040 VL2 3 56.263 1202 22 37 49 9.0530
040 VL2 3 56.295 1202 24 23 30 9.0530040 VL2 3 56.456 1203 8 32 20 9.0530040 VL2 3 56.553
1203 13 49 22 8.9640040 VL2 3 56.617 1203 17 20 44 8.9640040 VL2 3 56.682 1203 20 52 7 9.05
30040 VL2 3 56.920 1204 9 13 5 9.0530040 VL2 3 57.120 1204 20 8 26 9.0530040 VL2 3 57.13
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Stop Time
DAY

FILE 5, RECORD 605

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 MEDIA_TYPE                     = TAPE
 TAPES                          = 1
 NOTE                           = "This data set contains summary pressure
data obtained from the Viking Meteorology Instrument System (VMIS) through the
duration of the Viking Lander 1 and 2 missions.  The data set consists of the
daily average pressure values and relevant statistics presented on a sol by
sol basis."

 OBJECT                          = VOLUME
  NAME                           = VLAVEP
  MEDIA_TYPE                     = TAPE
  TAPE_DENSITY                   = 1600
  TAPES                          = 1
  SEQUENCE_NUMBER                = 1
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  FORMAT                         = ANSI
  BLOCK_BYTES                    = 9918
  HARDWARE_NAME                  = "VAX 11/785"
  OPERATING_SYSTEM_NAME          = "VMS 5.1-1"
  FILES                          = 2
  DATE_TIME                      = 1989-09-12

  OBJECT                          = DIRECTORY
   NAME                           = ROOT

   OBJECT                          = FILE
    NAME                           = "VOLDESC.SFD"
    RECORD_TYPE                    = STREAM
   END_OBJECT                      = FILE

   OBJECT                          = FILE
    NAME                           = "VL_AVEP.DAT"
    RECORD_TYPE                    = FIXED_LENGTH
    FORMAT                         = ASCII
    FILE_RECORDS                   = 3297
    TABLE_RECORD_BYTES             = 87
    SPACECRAFT_NAME                = "VIKING LANDER 1"
    SPACECRAFT_ID                  = VL1
    SPACECRAFT_NAME                = "VIKING LANDER 2"
    SPACECRAFT_ID                  = VL2
    NATIVE_START_TIME              = "97.1 AREOCENTRIC SOLAR LONGITUDE,
EARTH YEAR 1976"
    NATIVE_STOP_TIME               = "226.7 AREOCENTRIC SOLAR LONGITUDE,
EARTH YEAR 1982"


    OBJECT                          = HISTORY
     PROCESS_NAME                   = PANDA
     VERSION_DATE                   = 1989-08-31
     VERSION_NUMBER                 = 0
     DATE_TIME                      = 1989-09-12
     NODE                           = ORION
     USER                           = LEE
     PROGRAM_NOTE                   = "PIN PANDA Query Results from
      ATMOSPHERES database"
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D-82242
VL1 07/20/76 - 09/12/82
VL2 09/03/76 - 07/19/79
6 Files
Label = VLAVEP

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$NOP
$NOP
$NOP ************************* BR4 ***************************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 5

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  1  97.196    1  7.629  7.534  0.169  0.0687  2.28 -9 -9 -9 -9 -9 -9  0.000030 BB 0091 VL1  1  97.
655    2  7.606  7.449  0.255  0.0818  2.28 -9 -9 -9 -9 -9 -9  0.000200 BB 0091 VL1  1  98.113    3
  7.581  7.449  0.255  0.0785  2.89 -9 -9 -9 -9 -9 -9          0. BB 0091 VL1  1  98.572    4  7.579
 7.449  0.255  0.0807  2.28 -9 -9 -9 -9 -9 -9          0. BB 0091 VL1  1  99.032    5  7.564  7.449
0.255  0.0697  2.90 -9 -9 -9 -9 -9 -9          0. BB 0091 VL1  1  99.491    6  7.564  7.449  0.255  0
.0686  4.06  1 31  9  5 34 30          0. .I 0091 VL1  1  99.951    7  7.554  7.449  0.169  0.0684  2
.06 -9 -9 -9 -9 -9 -9  0.000030 BB 0091 VL1  1 100.412    8  7.544  7.449  0.169  0.0731  2.61 -9 -
9 -9 -9 -9 -9          0. BB 0091 VL1  1 100.873    9  7.514  7.364  0.255  0.0778  2.28 -9 -9 -9 -9
-9 -9          0. BB 0091 VL1  1 101.334   10  7.509  7.364  0.255  0.0738  2.28 -9 -9 -9 -9 -9  0
.000030 BB 0091 VL1  1 101.795   11  7.498  7.364  0.255  0.0732  2.28 -9 -9 -9 -9 -9 -9  0.000070
BB 0091 VL1  1 102.257   12  7.482  7.364  0.255  0.0713  2.90 -9 -9 -9 -9 -9 -9  0.000100 BB 0091
VL1  1 102.720   13  7.473  7.364  0.170  0.0703  2.28 -9 -9 -9 -9 -9 -9          0. BB 0091 VL1  1 1
03.182   14  7.473  7.364  0.170  0.0658  2.08 -9 -9 -9 -9 -9 -9          0. BB 0091 VL1  1 103.646
 15  7.462  7.364  0.170  0.0620  2.08 -9 -9 -9 -9 -9 -9  0.000050 BB 0091 VL1  1 104.105   16  7.4
50  7.364  0.170  0.0710  2.90 -9 -9 -9 -9 -9 -9  0.000060 BB 0091 VL1  1 104.573   17  7.436  7.27
9  0.255  0.0750  3.95 -9 -9 -9 -9 -9 -9  0.000020 .I 0091 VL1  1 105.038   18  7.412  7.279  0.255
  0.0693  2.90 -9 -9 -9 -9 -9 -9 -9          0. BB 0091 VL1  1 105.502   19  7.408  7.279  0.255  0.0628
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D-82242

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-9 -9          0. BB 0091 VL2  1 143.798   53  7.461  7.382  0.175  0.0296  0.58 -9 -9 -9 -9 -9 -9
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  2 327.853 1025   8.860   8.435   0.706   0.2179   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 328.
421 1026   8.575   8.347   0.530   0.1732   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 328.988 1027
  9.113   8.964   0.441   0.1573   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 329.554 1028   8.566
  8.347   0.441   0.1640   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 330.119 1029   8.960   8.523
0.706   0.2282   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 330.683 1030   8.644   8.347   0.530   0
.1990   1.77 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 331.246 1031   9.102   8.523   0.882   0.2892   1
.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 331.808 1032   8.804   8.347   0.794   0.3118   1.76 -9 -
9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 332.369 1033   8.523   8.258   0.706   0.2554 11.98 12 40 30 24
39 35 -0.999999 .C 0091 VL2   2 332.929 1034   8.699   8.700      0.   0.0033 22.63   0   0   0 22 37 47 -0
.999999 .C 0091 VL2   2 333.488 1035   8.623   8.611      0.   0.0266 19.64   5   0 56 24 39 35 -0.999999
.C 0091 VL2   2 334.046 1036   8.805   8.700   0.441   0.1242 13.11   0   0   0 13   6 35 -0.999999 .C 0091
VL2   2 334.603 1037   8.433   8.258   0.353   0.1157   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 3
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  1.76 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 338.474 1044   8.758   8.611   0.353   0.0848   1.76 -
9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2   2 339.023 1045   9.002   8.876   0.265   0.0862   1.76 -9 -9 -9
-9 -9 -9 -0.999999 BB 0091 VL2   2 339.571 1046   8.851   8.700   0.353   0.1310   1.76 -9 -9 -9 -9 -9 -9
 -0.999999 BB 0091 VL2   2 340.119 1047   8.739   8.611   0.265   0.1019   1.76 -9 -9 -9 -9 -9 -9 -0.9999
99 BB 0091 VL2   2 340.665 1048   8.851   8.788   0.177   0.0699   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 00
91 VL2   2 341.211 1049   8.941   8.788   0.441   0.1292   1.76 -9 -9 -9 -9 -9 -9 -0.999999 BB 0091 VL2
2 341.754 1050   8.814   8.700   0.265   0.0785 12.60 12   3 30 24 39 35 -0.999999 .C
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STOP DAT

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 TAPES                          = 1
 NOTE                           = "This data set contains binned and splined
data obtained from the Viking Meteorology Instrument System (VMIS) through
portions of the Viking Lander 1 mission.  The data set consists of mean values
of pressure, temperature, and wind speed (zonal and meridional) calculated for
25 bins of equal duration per day."

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  TAPE_DENSITY                   = 1600
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  FORMAT                         = ANSI
  BLOCK_BYTES                    = 9964
  HARDWARE_NAME                  = "VAX 11/785"
  OPERATING_SYSTEM_NAME          = "VMS 5.1-1"
  FILES                          = 2
  DATE_TIME                      = 1989-09-13

  OBJECT                          = DIRECTORY
   NAME                           = ROOT

   OBJECT                          = FILE
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    RECORD_TYPE                    = STREAM
   END_OBJECT                      = FILE

   OBJECT                          = FILE
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    RECORD_TYPE                    = FIXED_LENGTH
    FORMAT                         = ASCII
    FILE_RECORDS                   = 8325
    TABLE_RECORD_BYTES             = 53
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    SPACECRAFT_ID                  = VL1
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YEAR 1976"
    NATIVE_STOP_TIME               = "298.2 AREOCENTRIC SOLAR LONGITUDE, EARTH
YEAR 1977"


    OBJECT                          = HISTORY
     PROCESS_NAME                   = PANDA
     VERSION_DATE                   = 1989-08-31
     VERSION_NUMBER                 = 0
     DATE_TIME                      = 1989-09-13
     NODE                           = ORION
     USER                           = LEE
     PROGRAM_NOTE                   = "PIN PANDA Query Results from
      ATMOSPHERES database"

     OBJECT                          = PARAMETER_GROUP
      SQL_QUERY                      = "SELECT INTO LEE  *  FROM MARS_VL_MBIN
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D-82243
VL1 07/20/76 - 07/05/77
6 FILES
LABEL = VLMBIN

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$NOP
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$NOP ******************************** BR5 ************************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 5

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  2.454 192.0520057 VL1  1  97.233   1  3  7.704   1.087   1.596 190.2010057 VL1  1  97.251   1  4
  7.705   1.769   1.756 188.7810057 VL1  1  97.270   1  5  7.704   1.600   1.942 187.7590057 VL1  1
 97.288   1  6  7.704   0.668   1.548 187.3970057 VL1  1  97.306   1  7  7.723   2.136   4.577 189.
1710057 VL1  1  97.325   1  8  7.704   4.087   5.997 198.1740057 VL1  1  97.343   1  9  7.619   4.1
35   2.404 214.2230057 VL1  1  97.361   1 10  7.601   3.728   3.670 220.2750057 VL1  1  97.380   1
11  7.619   3.323   7.668 224.2230057 VL1  1  97.398   1 12  7.619   2.310   5.758 234.8150057 VL1
 1  97.416   1 13  7.637  -0.590  10.492 238.9050057 VL1  1  97.435   1 14  7.619  -1.152   7.549 2
39.5490057 VL1  1  97.453   1 15  7.534   2.866   0.432 242.9220057 VL1  1  97.471   1 16  7.513
2.867  -2.500 245.4050057 VL1  1  97.491   1 17  7.534  -0.617  -1.461 244.0590057 VL1  1  97.508
 1 18  7.534  -3.900   0.453 236.7840057 VL1  1  97.526   1 19  7.512  -4.330   0.872 223.6170057 V
L1  1  97.545   1 20  7.534  -3.395   0.308 213.1580057 VL1  1  97.563   1 21  7.619  -3.240   0.23
3 210.2800057 VL1  1  97.581   1 22  7.619  -3.945   1.423 204.4770057 VL1  1  97.600   1 23  7.612
  -3.144   0.858 203.9690057 VL1  1  97.618   1 24  7.640  -0.207   1.452 200.1870057 VL1  1  97.63
5   1 25  7.704   0.506   0.178 198.5990057 VL1  1  97.655   2  1  7.706  -0.094   1.638 195.035005
7 VL1  1  97.673   2  2  7.704   0.425   2.641 192.3820057 VL1  1  97.691   2  3  7.704   2.153   2
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.765   2  7  7.641   1.477   3.269 191.1810057 VL1  1  97.783   2  8  7.676   3.888   5.951 198.866
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  5.072 216.7190057 VL1  1  97.838   2 11  7.619   3.899   4.701 225.7520057 VL1  1  97.856   2 12
 7.619  -1.860   6.425 233.4310057 VL1  1  97.875   2 13  7.577  -5.665   8.276 236.4100057 VL1  1
 97.893   2 14  7.534  -3.829   6.714 238.0730057 VL1  1  97.911   2 15  7.534   3.331   0.988 242.
1960057 VL1  1  97.930   2 16  7.556   5.239  -0.733 246.3000057 VL1  1  97.948   2 17  7.534   2.2
04   0.641 245.9390057 VL1  1  97.966   2 18  7.449  -1.889   1.183 236.5620057 VL1  1  97.985   2
19  7.449  -3.885  -1.742 221.4760057 VL1  1  98.003   2 20  7.596  -3.822  -0.287 220.7850057 VL1
 1  98.021   2 21  7.574  -3.258   0.178 213.7620057 VL1  1  98.040   2 22  7.619  -2.920   0.559 2
04.5870057 VL1  1  98.058   2 23  7.619  -2.631   1.763 202.6530057 VL1  1  98.077   2 24  7.619  -
0.852   2.865 200.6830057 VL1  1  98.095   2 25  7.704   0.729   0.887 195.7940057 VL1  1  98.113
 3  1  7.701   0.173   1.901 193.7780057 VL1  1  98.132   3  2  7.704   0.188   2.397 192.0520057 V
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3 188.9830057 VL1  1  98.187   3  5  7.619   0.735   2.916 187.7820057 VL1  1  98.205   3  6  7.619
   0.187   1.990 187.7900057 VL1  1  98.223   3  7  7.638   1.908   5.104 189.4270057 VL1  1  98.24
2   3  8  7.647   3.946   6.817 197.5870057 VL1  1  98.260   3  9  7.619   4.434   2.502 213.427005
7 VL1  1  98.278   3 10  7.555   5.244   0.487 223.2590057 VL1  1  98.297   3 11  7.534   3.217   2
.372 228.2340057 VL1  1  98.315   3 12  7.534  -2.503   6.137 232.7260057 VL1  1  98.333   3 13  7.
533  -1.861   7.140 235.2720057 VL1  1  98.352   3 14  7.534   0.485   4.744 236.9410057 VL1  1  98
.37   3 15  7.534  -1.623   0.523 239.7750057 VL1  1  98.389   3 16  7.512  -3.455  -1.393 244.150
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 98.499   3 22  7.592  -1.990   1.030 202.6530057 VL1  1  98.517   3 23  7.619  -0.499   1.526 201.
3290057 VL1  1  98.536   3 24  7.619   0.129   0.803 198.9160057 VL1  1  98.554   3 25  7.704   0.7
35   1.436 195.7800057 VL1  1  98.572   4  1  7.701  -0.305   0.065 193.2350057 VL1  1  98.591   4
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88.2800057 VL1  1  98.664   4  6  7.619   0.638   1.808 187.6890057 VL1  1  98.683   4  7  7.621
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L1  1  98.756   4 11  7.575   4.404   4.814 226.4130057 VL1  1  98.774   4 12  7.534   1.442   4.32
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5.476   4.343 242.2800057 VL1  1  99.307   5 16   7.449  -7.372   2.829 245.7680057 VL1  1  99.326
 5 17  7.449  -5.743   0.899 245.8140057 VL1  1  99.344   5 18   7.449  -4.015  -0.457 236.9970057 V
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 6 25   7.619   0.530   0.180 197.2370057 VL1  1  99.951   7  1   7.619   0.318   1.246 193.9530057 V
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2 190.2430057 VL1  1 100.007   7  4   7.619   1.292   2.449 189.9710057 VL1  1 100.025   7  5   7.619
 1.148   1.778 187.6050057 VL1  1 100.043   7  6   7.619   0.400   1.663 187.5810057 VL1  1 100.06
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7 VL1  1 100.099   7  9   7.619   3.485   3.270 213.4300057 VL1  1 100.117   7 10   7.576   2.519   5
.205 222.3820057 VL1  1 100.136   7 11   7.534   1.191   7.020 227.2740057 VL1  1 100.154   7 12   7.
534   0.998   6.627 232.6580057 VL1  1 100.172   7 13   7.534  -0.319   6.780 235.7890057 VL1  1 100
.191   7 14   7.534  -2.098   6.137 237.9270057 VL1  1 100.209   7 15   7.470  -3.136   3.650 241.408
0057 VL1  1 100.228   7 16   7.449  -3.928   3.375 245.7140057 VL1  1 100.246   7 17   7.449  -4.480
 4.168 246.0900057 VL1  1 100.264   7 18   7.449  -4.556   3.159 236.8410057 VL1  1 100.283   7 19
 7.449  -4.057  -0.245 221.3070057 VL1  1 100.301   7 20   7.493  -3.620  -0.450 220.4780057 VL1  1
100.320   7 21   7.534  -3.730   0.158 208.6920057 VL1  1 100.338   7 22   7.534  -2.267   1.229 203.
6510057 VL1  1 100.357   7 23   7.574  -0.694   1.296 200.5260057 VL1  1 100.375   7 24   7.619   0.4
33   0.750 198.171^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

***** JOB DONE.
$EXE TFLIST BS

INPUT PARAMETERS ARE:  AS SR=48=1 1 1 5

 TAPE NO.   1                    FILE NO.   5
 RECORD                          LENGTH    9964
0057 VL1  1 294.620 345   4   8.693   3.415  -5.980 184.3960057 VL1  1 294.645 345   5   8.670   3.638
 -8.934 183.7530057 VL1  1 294.669 345   6   8.700  -1.603  -9.003 183.3890057 VL1  1 294.694 345   7
 8.827  -5.052  -7.492 183.3570057 VL1  1 294.719 345   8   9.118  -9.480  -5.120 183.3730057 VL1  1
294.744 345   9   9.207  -9.012  -4.753 183.9250057 VL1  1 294.769 345  10   9.207  -7.766  -6.580 185.
8890057 VL1  1 294.794 345  11   9.118  -7.171  -6.658 188.7070057 VL1  1 294.819 345  12   9.050  -4.5
62  -6.441 192.3320057 VL1  1 294.844 345  13   8.849  -2.475  -5.991 195.0960057 VL1  1 294.868 345
14   8.849   1.576  -8.014 198.9580057 VL1  1 294.893 345  15   8.767   5.110 -10.244 201.8620057 VL1
 1 294.918 345  16   8.566   5.422 -10.549 201.7950057 VL1  1 294.943 345  17   8.358   2.775 -11.757 2
00.9600057 VL1  1 294.968 345  18   8.283   0.555 -11.961 198.3880057 VL1  1 294.993 345  19   8.268  -
2.349 -11.322 195.5250057 VL1  1 295.017 345  20   8.343  -5.921  -8.801 192.1600057 VL1  1 295.042 3
45  21   8.551  -8.002  -6.688 190.6870057 VL1  1 295.067 345  22   8.648  -6.343  -6.677 189.0860057 V
L1  1 295.092 345  23   8.700  -4.002  -4.398 187.8030057 VL1  1 295.117 345  24   8.805  -2.004  -3.06
1 187.1720057 VL1  1 295.142 345  25   8.939  -0.964  -1.619 186.8790057 VL1  1 295.166 346   1   8.939
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-0.137 -0.639 190.5030057 VL1 1 295.191 346 2 8.939 0.001 -0.846 189.4860057 VL1 1 295.21
6 346 3 8.879 1.759 -3.892 186.4660057 VL1 1 295.241 346 4 8.693 2.817 -5.445 184.499005
7 VL1 1 295.266 346 5 8.581 2.158 -5.696 183.7890057 VL1 1 295.291 346 6 8.670 -1.085 -5
.954 183.7510057 VL1 1 295.315 346 7 8.827 -4.278 -5.204 183.5630057 VL1 1 295.340 346 8 9.
028 -6.499 -5.506 183.6090057 VL1 1 295.365 346 9 9.207 -6.662 -6.202 184.2700057 VL1 1 295
.391 346 10 9.207 -7.386 -7.176 186.3750057 VL1 1 295.415 346 11 9.118 -5.855 -7.088 189.539
0057 VL1 1 295.439 346 12 9.058 -4.434 -6.722 193.4610057 VL1 1 295.464 346 13 8.950 -3.118
-6.477 195.6500057 VL1 1 295.489 346 14 8.806 1.142 -7.514 199.8310057 VL1 1 295.514 346 15
8.660 5.097 -9.103 203.3380057 VL1 1 295.539 346 16 8.521 4.977 -10.296 203.1040057 VL1 1
295.564 346 17 8.358 2.507 -11.078 201.7510057 VL1 1 295.588 346 18 8.283 0.442 -11.102 199.
1910057 VL1 1 295.613 346 19 8.245 -2.593 -12.071 196.0610057 VL1 1 295.638 346 20 8.343 -5.0
49 -8.878 192.5380057 VL1 1 295.663 346 21 8.521 -6.166 -7.160 190.8140057 VL1 1 295.688 346
22 8.670 -6.490 -5.032 189.4100057 VL1 1 295.712 346 23 8.700 -3.007 -3.211 187.7080057 VL1
1 295.737 346 24 8.849 -2.112 -2.683 187.0990057 VL1 1 295.762 346 25 8.569 -1.392 -0.596 1
86.7760057 VL1 1 295.787 347 1 8.975 -0.160 -0.706 189.8550057 VL1 1 295.811 347 2 8.939 -
0.134 -1.282 188.7740057 VL1 1 295.836 347 3 8.909 0.852 -2.717 186.3730057 VL1 1 295.861 3
47 4 8.715 2.693 -4.811 184.1860057 VL1 1 295.886 347 5 8.611 2.202 -5.401 183.4390057 V
L1 1 295.911 347 6 8.670 -0.553 -6.319 183.3330057 VL1 1 295.936 347 7 8.827 -3.700 -5.64
1 183.2330057 VL1 1 295.960 347 8 9.058 -5.361 -4.848 183.2510057 VL1 1 295.985 347 9 9.207
-6.332 -4.454 184.0130057 VL1 1 296.010 347 10 9.207 -5.915 -5.945 186.5020057 VL1 1 296.03
5 347 11 9.118 -6.157 -6.108 189.8430057 VL1 1 296.059 347 12 9.095 -4.751 -6.887 193.845005
7 VL1 1 296.084 347 13 8.998 -1.112 -7.513 198.0600057 VL1 1 296.109 347 14 8.805 0.372 -7
.810 199.2510057 VL1 1 296.134 347 15 8.700 3.390 -9.206 201.8080057 VL1 1 296.159 347 16 8.
521 3.911 -9.845 202.5140057 VL1 1 296.183 347 17 8.380 3.314 -11.325 201.0530057 VL1 1 296
.208 347 18 8.313 0.837 -11.642 198.2280057 VL1 1 296.233 347 19 8.245 -2.273 -11.180 195.239
0057 VL1 1 296.258 347 20 8.343 -5.867 -8.966 192.2770057 VL1 1 296.282 347 21 8.551 -6.546
-6.515 190.6720057 VL1 1 296.307 347 22 8.670 -5.010 -5.960 189.0830057 VL1 1 296.332 347 23
8.753 -3.288 -4.021 187.8880057 VL1 1 296.357 347 24 8.801 -2.123 -1.955 187.1530057 VL1 1
296.381 347 25 9.028 -1.648 -1.274 186.8930057 VL1 1 296.406 348 1 8.998 -0.009 -0.647 187.
1270057 VL1 1 296.431 348 2 8.939 -0.280 -0.581 190.7040057 VL1 1 296.456 348 3 8.879 0.4
10 -2.089 187.8060057 VL1 1 296.481 348 4 8.693 2.615 -4.777 184.5030057 VL1 1 296.505 348
5 8.581 2.272 -5.005 183.7560057 VL1 1 296.530 348 6 8.640 -1.099 -5.363 183.7350057 VL1
1 296.555 348 7 8.827 -4.262 -6.374 183.4330057 VL1 1 296.580 348 8 9.088 -6.358 -6.570 1
83.3520057 VL1 1 296.604 348 9 9.207 -7.882 -6.252 184.0150057 VL1 1 296.629 348 10 9.207 -
9.801 -5.256 185.9710057 VL1 1 296.654 348 11 9.118 -7.060 -6.263 189.3690057 VL1 1 296.679 3
48 12 9.073 -5.005 -6.999 193.4000057 VL1 1 296.703 348 13 8.569 -2.537 -6.604 197.3130057 V
L1 1 296.728 348 14 8.805 0.366 -7.122 200.7690057 VL1 1 296.753 348 15 8.625 3.650 -8.71
1 202.8020057 VL1 1 296.778 348 16 8.521 2.375 -10.097 203.8750057 VL1 1 296.802 348 17 8.358
1.687 -11.623 202.2450057 VL1 1 296.827 348 18 8.223 0.253 -11.116 199.3970057 VL1 1 296.85
2 348 19 8.223 -3.339 -10.455 196.0940057 VL1 1 296.876 348 20 8.360 -5.333 -7.719 192.645005
7 VL1 1 296.901 348 21 8.536 -6.307 -6.334 191.0480057 VL1 1 296.926 348 22 8.648 -5.240 -5
.746 189.4400057 VL1 1 296.951 348 23 8.700 -3.112 -3.518 187.9270057 VL1 1 296.975 348 24 8.
827 -1.413 -2.062 187.0350057 VL1 1 297.000 348 25 8.939 -0.442 -0.526 186.4690057 VL1 1 297
.025 349 1 8.939 -0.034 -0.354 190.7710057 VL1 1 297.050 349 2 8.894 -0.205 -0.576 191.527
0057 VL1 1 297.074 349 3 8.819 0.455 -2.112 188.3660057 VL1 1 297.099 349 4 8.670 1.672
-4.632 184.7870057 VL1 1 297.124 349 5 8.581 2.388 -4.819 183.8860057 VL1 1 297.149 349 6
8.581 -0.403 -5.145 183.6920057 VL1 1 297.173 349 7 8.737 -3.189 -5.053 183.5490057 VL1 1
297.198 349 8 8.998 -5.828 -5.363 183.5860057 VL1 1 297.223 349 9 9.118 -6.977 -5.775 184.
3460057 VL1 1 297.247 349 10 9.118 -7.806 -6.975 186.7350057 VL1 1 297.272 349 11 9.058 -6.5
88 -7.117 190.6730057 VL1 1 297.297 349 12 8.983 -4.372 -6.875 194.2380057 VL1 1 297.322 349
13 8.879 -2.665 -5.635 198.3470057 VL1 1 297.346 349 14 8.730 0.257 -6.204 202.1090057 VL1
1 297.371 349 15 8.611 2.456 -6.945 204.5040057 VL1 1 297.396 349 16 8.461 2.424 -8.761 2
05.0440057 VL1 1 297.420 349 17 8.313 1.243 -10.643 203.8310057 VL1 1 297.445 349 18 8.223 -
0.779 -11.121 201.0990057 VL1 1 297.470 349 19 8.200 -2.310 -10.025 197.8280057 VL1 1 297.495 3
49 20 8.283 -4.764 -7.657 193.9490057 VL1 1 297.519 349 21 8.461 -5.873 -7.188 192.0880057 V
L1 1 297.544 349 22 8.603 -5.328 -4.504 190.1400057 VL1 1 297.569 349 23 8.670 -3.248 -1.51
8 188.2240057 VL1 1 297.593 349 24 8.760 -0.669 -0.647 187.2100057 VL1 1 297.618 349 25 8.909
-0.400 -0.417 186.7860057 VL1 1 297.643 350 1 8.939 -0.090 -0.616 188.3890057 VL1 1 297.66
7 350 2 8.849 -0.319 -0.585 190.8380057 VL1 1 297.692 350 3 8.790 0.381 -2.318 187.447005
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.389 183.6300057 VL1 1 297.766 350 6 8.521 0.599 -5.637 183.5000057 VL1 1 297.791 350 7 8.
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.840 350 9 9.118 -8.818 -4.855 184.3140057 VL1 1 297.865 350 10 9.054 -10.695 -5.785 187.981
0057 VL1 1 297.890 350 11 9.028 -7.398 -6.377 190.9630057 VL1 1 297.914 350 12 8.961 -5.070
-6.481 194.6950057 VL1 1 297.939 350 13 8.879 -2.351 -6.357 199.4080057 VL1 1 297.964 350 14
8.738 1.083 -8.031 202.9320057 VL1 1 297.988 350 15 8.587 3.104 -9.009 204.6990057 VL1 1

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298.013 350 16  8.461   4.088 -10.016 204.9080057 VL1  1 298.038 350 17  8.335   2.094 -10.435 203.
7600057 VL1  1 298.062 350 18  8.223  -0.420 -10.291 200.9530057 VL1  1 298.087 350 19  8.163  -3.1
29  -9.035 197.5850057 VL1  1 298.112 350 20  8.305  -4.626  -6.810 192.8600057 VL1  1 298.136 350
21  8.461  -5.427  -6.862 191.8130057 VL1  1 298.161 350 22  8.581  -4.908  -5.380 189.9320057 VL1
 1 298.186 350 23  8.670  -3.664  -3.453 188.3300057 VL1  1 298.210 350 24  8.760  -2.783  -1.482 1
87.2650057 VL1  1 298.235 350 25  8.849  -1.307  -0.878 186.773^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
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***** JOB DONE.

$$
$EXE TPNRCF BS
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D-82244

```
CCSD1Z000001000000000NJPL1V00PDS100035217 = SFDU_LABEL

OBJECT                          = VOLUME_SET
 DATA_SET_ID                    = "VL1/VL2-M-MET-4-BINNED-P-T-V-V1.0"
 MEDIA_TYPE                     = TAPE
 TAPES                          = 1
 NOTE                           = "This data set contains binned and splined
data obtained from the Viking Meteorology Instrument System (VMIS) through
most of the Viking Lander 2 mission and the early days of the Lander 1
mission.  The data set consists of mean values of pressure, temperature, and
wind speed (zonal, meridional, and combined) and relevant statistics and
warning flags calculated for 25 bins of equal duration per day.  The effect of
Lander interference on the temperature measurements is also estimated."

 OBJECT                         = VOLUME
  NAME                          = VLTBIN
  MEDIA_TYPE                    = TAPE
  TAPE_DENSITY                  = 1600
  TAPES                         = 1
  SEQUENCE_NUMBER               = 1
  PROCESS_NAME                  = COPY
  FORMAT                        = ANSI
  BLOCK_BYTES                   = 9996
  HARDWARE_NAME                 = "VAX 11/785"
  OPERATING_SYSTEM_NAME         = "VMS 5.1-1"
  FILES                         = 2
  DATE_TIME                     = 1989-09-13

  OBJECT                         = DIRECTORY
   NAME                          = ROOT

   OBJECT                         = FILE
    NAME                          = "VOLDESC.SFD"
    RECORD_TYPE                   = STREAM
   END_OBJECT                     = FILE

   OBJECT                         = FILE
    NAME                          = "VL_TBIN.DAT"
    RECORD_TYPE                   = FIXED_LENGTH
    FORMAT                        = ASCII
    FILE_RECORDS                  = 25750
    TABLE_RECORD_BYTES            = 147
    SPACECRAFT_NAME               = "VIKING LANDER 1"
    SPACECRAFT_ID                 = VL1
    SPACECRAFT_NAME               = "VIKING LANDER 2"
    SPACECRAFT_ID                 = VL2
    NATIVE_START_TIME             = "97.2 AREOCENTRIC SOLAR LONGITUDE, EARTH
YEAR 1976"
    NATIVE_STOP_TIME              = "342.0 AREOCENTRIC SOLAR LONGITUDE, EARTH
YEAR 1979"


    OBJECT                         = HISTORY
     PROCESS_NAME                  = PANDA
     VERSION_DATE                  = 1989-08-31
     VERSION_NUMBER                = 0
     DATE_TIME                     = 1989-09-13
     NODE                          = ORION
     USER                          = LEE
     PROGRAM_NOTE                  = "PIN PANDA Query Results from
```

D-82244
VL1 07/20/76 - 09/30/76
VL2 09/03/76 - 6/10/79
6 FILES
Label = VLTBIN

```
$NOP
$NOP
$NOP
$NOP ************************** BR6 **************************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 5

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  0. M    0.    0.    0.    0. M    0.    0.0151 VL1 1  97.215    1  2   80   80    4   0.4
  0.2   2.5   0.6   2.5   0.6  7.70   192.06   0.56   192.53   0.85    0.    0. n    0.
  0.0151 VL1 1  97.233    1  3   80   80    4   1.1   0.5   1.6   0.6   2.0   0.8  7.70   190.
20   0.58   190.18   0.99    0.    0. n    0.    0.0151 VL1 1  97.251    1  4    0    0    0
  1.8    0.   1.9    0. S   2.6    0.  7.70 S  188.78    0. S  188.60    0.    0.    0. M
  0.    0.0151 VL1 1  97.270    1  5   80   80    4   1.6   0.5   1.9   0.7   2.5   0.8  7.70
  187.76   0.59   188.30   0.97    0.    0. n    0.    0.0151 VL1 1  97.288    1  6  576  576
    4   0.7   0.3   1.5   0.5   1.7   0.5  7.70   187.39   1.03   189.22   1.62    0.    0. n
    0.    0.0151 VL1 1  97.306    1  7    0    0    0   2.2    0.   4.6    0. S   4.9    0.  7.
72 S  189.65    0. S  190.68    0.    0.    0. M    0.    0.0151 VL1 1  97.325    1  8  128
  128    4   4.1   1.0   6.0   1.3   7.3   1.5  7.70   198.17   1.00   200.14   1.14    0.
  0. n    0.    0.0151 VL1 1  97.343    1  9  112   58    4   4.1   1.3   2.4   1.4   5.0   1.
3  7.62   212.31   1.82   219.08   1.58   3.96   2.42   3.02   1.030151 VL1 1  97.361    1 10
    0    0    0   3.7    0.   3.7    0. S   5.5    0.  7.60 S  218.91    0. S  225.87    0.    0
.    0. M    0.    0.0151 VL1 1  97.380    1 11   17   17   14   3.3   0.7   7.7   1.8   8.4
  1.7  7.62   224.22   2.16   228.85   1.28    0.    0. r    0.    0.0151 VL1 1  97.398
1 12   17   17   27   2.3   3.0   9.8   1.7   10.5   1.6  7.62   234.81   2.57   238.61   1.40
    0.    0. n    0.    0.0151 VL1 1  97.416    1 13    0    0    0  -0.7    0.  10.5    0. S
  10.5    0.  7.64 S  239.22    0. S  242.31    0.    0.    0. M    0.    0.0151 VL1 1  97.43
5    1 14  128  128    4  -1.2   2.5   7.5   3.0   8.0   3.0  7.62   239.55   3.19   243.23
1.76    0.    0. n    0.    0.0151 VL1 1  97.453    1 15  128   29    4   3.0   2.0   0.5   1.
8    3.7   1.7  7.53   241.21   2.25   247.37   1.69   2.34   2.57   2.33   1.390151 VL1 1
97.471    1 16    0    0    0   3.0    0.  -2.4    0. S   2.2    0.  7.51 S  243.42    0. S  249.
47    0.    0.    0. M    0.    0.0151 VL1 1  97.490    1 17    0    0   23  -0.5    0.  -1.5
    0. S   3.0    0.  7.53   243.07    0. S  246.75    0.    0.    0. M    0.    0.0151 VL
1 1  97.508    1 18  121  121    3  -3.9   1.0   0.4   1.1   4.1   1.0  7.53   236.80   0.72
 237.84   0.93    0.    0. n    0.    0.0151 VL1 1  97.526    1 19    0    0    0  -4.4    0.
  0.8    0. S   4.1    0.  7.51 S  223.78    0. S  223.41    0.    0. M    0.    0.01
51 VL1 1  97.545    1 20  240  240    4  -3.4   0.8   0.3   0.3   3.4   0.8  7.53   213.11   1.
06   212.33   1.13    0.    0. n    0.    0.0151 VL1 1  97.563    1 21  416  416    4  -3.2
  0.8   0.2   0.4   3.3   0.8  7.62   210.25   1.77   209.49   1.93    0.    0. n    0.
  0.0151 VL1 1  97.581    1 22   76   76    4  -3.9   0.9   1.4   0.6   4.2   1.0  7.62   204.44
    0.75   203.78   0.88    0.    0. n    0.    0.0151 VL1 1  97.600    1 23    4    4    0 -
3.1   0.5   1.1   0.2   3.3   0.5  7.61 S  204.23   0.54   203.57   0.90    0.    0. n    0
.    0.0151 VL1 1  97.618    1 24   80   80    4  -0.2   0.3   1.5   0.8   1.5   0.8  7.64    2
00.19   0.72   201.17   1.36    0.    0. n    0.    0.0151 VL1 1  97.636    1 25   80   19
  3   0.5   0.3   0.2   0.2   0.6   0.3  7.70   196.00   0.63   198.82   1.09   3.40   2.01
  2.67   1.960151 VL1 1  97.655    2  1    0    0    0    0.    0.   1.0    0. S   1.3    0.  7.71
 S  193.71    0. S  195.92    0.    0.    0. M    0.    0.0151 VL1 1  97.673    2  2   80
80    1   0.4   0.3   2.6   0.7   2.7   0.7  7.70   192.38   0.68   192.99   0.81    0.    0
. n    0.    0.0151 VL1 1  97.691    2  3   80   80    3   2.2   0.7   3.0   0.9   3.7   1.1
 7.70   191.11   0.66   191.03   0.93    0.    0. n    0.    0.0151 VL1 1  97.710    2  4
  0    0    0   2.3    0.   3.1    0. S   3.7    0.  7.72 S  190.06    0. S  189.93    0.    0.
    0. M    0.    0.0151 VL1 1  97.728    2  5   80   80    3   1.0   0.4   2.4   0.7   2.6
 0.7  7.70   188.59   0.66   189.55   0.99    0.    0. n    0.    0.0151 VL1 1  97.746    2
 6   66   66    2   0.2   0.1   1.3   0.6   1.3   0.6  7.62   187.34   0.55   190.30   0.92
  0.    0. n    0.    0.0151 VL1 1  97.765    2  7    0    0    0   1.4    0.   3.3    0. S
3.7    0.  7.64 S  191.21    0. S  193.95    0.    0.    0. M    0.    0.0151 VL1 1  97.783
  2  8  335  335    5   3.9   1.1   6.1   1.3   7.2   1.5  7.67   198.92   1.30   201.01   1.
52    0.    0. n    0.    0.0151 VL1 1  97.801    2  9    0    0   38   6.1    0.   6.2    0.
S   8.1    0.  7.62   207.71    0. S  211.11    0.    0.    0. M    0.    0.0151 VL1 1  97
.820    2 10    0    0    0   6.6    0.   5.1    0. S   7.3    1.  7.60 S  216.76    0. S  222.19
    0.    0.    0. M    0.    0.0151 VL1 1  97.838    2 11  113  102    3   3.9   1.9   4.8
 1.6   6.5   1.7  7.62   225.69   2.53   231.74   1.81   0.19   2.93   2.08   1.340151 VL1
1  97.856    2 12  113  113    3  -1.9   2.4   6.6   1.9   7.2   1.9  7.62   233.43   2.65    2
```

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DATA IGNORED
DATA IGNORED
$ASS IN HT1
$NOP
$NOP
$NOP
$NOP ****************** LIST OF BR-6 ********************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=16=5 1 1 5

 TAPE NO.   1                FILE NO.   5
 RECORD   16                 LENGTH   9996
0151 VL1 1 115.639    40 16  419  334   12  -0.3   2.1   0.4   2.8      3.1   1.7  7.11     242.03
2.34    246.98   2.42   3.23   2.58       4.89   1.640151 VL1 1 115.678   40 17  442  399    0    0.
  1.4   1.8   1.3      2.3   1.3  7.11 S  240.60   1.72    243.84   1.92   2.93   1.95     3.67
1.670151 VL1 1 115.697   40 18   42   42   12  -1.8   1.0   0.3   1.0      2.0   1.0  7.11    238.
69   1.18    240.65   1.37    0.      0. n      0.    0.0151 VL1 1 115.716   40 19    0    0    0
-2.6    0.  -0.4    0. S   2.2    0.   7.1 S  226.23    0. S  226.91    0.     0.    0. M
 0.    0.0151 VL1 1 115.735   40 20   14   14   13  -2.7   0.5   0.1   0.3      2.7   0.5  7.11
212.85   1.34    212.63   1.49    0.      0. n    0.    0.0151 VL1 1 115.754   40 21   28   28
  0  -2.6   0.7   0.8   0.5      2.8   0.7  7.14 S  208.79   1.48    208.40   1.49    0.     0. n
   0.    0.0151 VL1 1 115.773   40 22   26   23   12  -0.5   0.9   1.4   1.3      1.7   1.2  7.
19   205.41   1.76    205.19   1.31   1.75   1.94      2.14   0.350151 VL1 1 115.792   40 23   28
 26   0   0.2   0.3   0.8   0.4      0.9   0.4  7.24 S  201.21   1.12    202.65   1.08   2.35    0
.02      3.02   2.550151 VL1 1 115.811   40 24   28   22    0   0.4   0.3   0.8   0.4      0.9    0.
3  7.27 S  198.63   0.95    199.91   1.37   0.58   2.19      0.28   1.420151 VL1 1 115.830   40 25
 26   12   12   0.6   0.3   0.5   0.6      0.9   0.5  7.28    196.02   1.20    197.63   1.03   4.6
5   1.56      5.21   0.80151 VL2 1 117.993    1  1    0    0    0    0.    0.    0.    0. M    0.
  0.    0. M     0.    0. M     0.    0.     0.     0.0151 VL2 1 118.012
1  2   80   80    4  -1.5   0.4  -0.3   0.2      1.5   0.4  7.82    201.10   0.55    199.14   0.71
   0.    0. n    0.    0.0151 VL2 1 118.031    1  3   80   80    4  -1.5   0.4  -0.7   0.3
  1.7   0.5  7.82    196.24   0.74    195.96   0.83    0.    0. n    0.    0.0151 VL2 1 118.05
0   1  4   0   0   0  -2.3    0.  -1.5    0. S   2.5    0.  7.83 S  193.25    0. S  192.45
  0.    0.    0. M    0.    0.0151 VL2 1 118.070    1  5   80   80    3  -3.2   0.9  -0.7   0.
4      3.3   0.9  7.82    192.89   1.20    192.34   0.79    0.    0. n    0.    0.0151 VL2 1 1
18.89    1  6   79   79    5  -3.9   0.9   0.5   0.6      4.0   0.9  7.80    195.24   0.87    197.
19   0.75    0.    0. n    0.    0.0151 VL2 1 118.108    1  7    0    0    0  -6.0    0.   2.3
   0. S   6.5    0.  7.81 S  198.51    0. S  201.31    0.    0.    0. M    0.    0.0151 VL
2 1 118.127    1  8   79   42    4  -6.2   1.8   3.7   1.6      7.4   2.0  7.82    206.21   1.20
 209.93   1.19   1.40   1.90    0.63   1.390151 VL2 1 118.146    1  9   80    3    5  -2.3   1.1
  3.8   1.7      4.5   1.8  7.80    219.51   1.79    226.09   0.81   2.88   1.61     1.28   1.1101
51 VL2 1 118.165    1 10    0    0   15   0.8    0.    3.3   0. S   3.1    0.  7.74    227.76
0. S  235.59     0.    0.    0. M    0.    0.0151 VL2 1 118.184    1 11    0    0    5   1.9
  0.   2.7   0. S   3.3    0.  7.73    231.15    0. S  238.68    0.    0.    0. M    0.
0.0151 VL2 1 118.204    1 12  429  176    4   1.5   1.4   2.3   1.5      3.1   1.6  7.73    233.54
  2.24    240.62   1.63   2.32   2.45      2.12   1.560151 VL2 1 118.223    1 13  232   82    0
0.5   1.7   1.2   1.1      2.0   1.3  7.73 S  236.49   3.36    243.40   2.66   2.28   2.90     1.8
5   1.990151 VL2 1 118.242    1 14    9    9    2   0.5   0.3  -2.3   1.5      2.5   1.3  7.73    2
36.18   2.16    241.88   1.14    0.      0. n    0.    0.0151 VL2 1 118.261    1 15  112   97
 7   0.7   1.2  -0.5   1.6      1.8   1.2  7.73    238.58   2.05    244.78   2.13   2.11   2.21
  2.77   1.160151 VL2 1 118.280    1 16   34   34    4   1.1   0.9  -3.4   0.9      3.7   0.8  7.73
   240.68   1.82    245.49   1.31    0.      0. n    0.    0.0151 VL2 1 118.299    1 17   77
77    0   0.2   1.0  -1.8   1.1      2.0   1.1  7.73 S  241.19   1.46    245.60   1.23    0.     0
. n     0.    .0151 VL2 1 118.318    1 18  112  112    4   0.2   1.3  -2.4   1.3      2.7   1.3
 7.73    239.97   0.91    243.30   1.05    0.      0. n    0.    0.0151 VL2 1 118.338    1 19
56   50    5  -0.4   0.5  -2.8   0.5      2.9   0.5  7.73    234.40   0.50    235.61   0.81    0.
   0. n    0.    0.0151 VL2 1 118.357    1 20   51   51    0  -0.4   0.4  -2.7   0.6      2.8
0.6  7.72 S  233.96   0.51    234.53   0.77    0.      0. n    0.    0.0151 VL2 1 118.376    1
21  112  112    7  -0.6   0.3  -0.8   0.2      1.0   0.3  7.74    220.45   0.71    221.18   1.16
  0.    0. n    0.    0.0151 VL2 1 118.395    1 22   86   86    5  -1.0   0.3  -1.2   0.3
1.6   0.4  7.82    212.41   0.79    212.17   0.63    0.      0. n    0.    0.0151 VL2 1 118.414
  1 23   26   26    6  -0.8   0.2  -0.9   0.2      1.2   0.3  7.84 S  212.63   0.67    211.74   0.
```

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37.66   2.00      0.      0. n      0.      0.0151 VL1 1  97.875     2 13    0     0     0  -5.7     0.
8.4    0. S     8.7    0.   7.58 S  237.19       0. S  240.07      0.      C.       0. M      0.     0.0151
 VL1 1  97.893    2 14  105  105    2  -3.8     2.7    6.7    1.9       8.1    2.2  7.53     238.20   2.58
   242.12    1.61     0.      0. n      0.      0.0151 VL1 1  97.911    2 15   56    33      4   3.3    1
.8   1.0    2.0       3.9    2.0  7.53     239.30   3.02      246.31    1.72    4.23   2.90     3.32   1.8
60151 VL1 1  97.930     2 16    0     0     0    5.2     0.    -0.7     C. S     1.2     0.   7.55 S  243.00
   0. S  249.80      0.      0.      0. M      0.      0.0151 VL1 1  97.948     2 17    0     0    13    2.
2     0.    0.7    0. S     1.0     0.  7.53     244.39      0. S  248.34      0.       0.      0. M      0.
   0.0151 VL1 1  97.966     2 18  118  118     2  -1.9    0.6   1.2    0.5         2.3    0.6  7.45     236
.57   0.67     237.64    0.91      0.      0. n      0.      0.0151 VL1 1  97.985     2 19  101  101     3
  -3.9    1.0  -0.7    0.4      4.0   1.0  7.45     221.44   0.81     221.50   1.02     0.      0. n
   0.      0.0151 VL1 1  98.003     2 20    27    27     0  -3.8    0.7  -0.2    0.4        3.8    0.7  7.51 S
  220.72   0.55     220.72   C.78      0.      0. n      0.      0.0151 VL1 1  98.021     2 21     0     0
   0  -3.2     0.    0.3    0. S     3.2    0.  7.57 S  213.75      0. S  213.44      0.       0.      0.
M       0.      0.0151 VL1 1  98.040     2 22  576  576    2  -2.9    0.6    0.6    0.4        3.0    0.7  7
.62    214.58   1.29     204.04   1.11      0.      0. n      0.      0.0151 VL1 1  98.058     2 23   80
  80    3  -2.6    0.8    1.8    0.6      3.2    0.8  7.62     202.65   0.75     202.16   0.85     0.
  C. n      0.      0.0151 VL1 1  98.077     2 24   80   80     3  -0.9    0.4    2.9    0.8       3.0    0
.9  7.62     200.68   1.15     200.02   0.99      0.      0. n      0.      0.0151 VL1 1  98.095     2 25
  80   79     3   0.7    0.4    0.9    0.4        1.2    0.5  7.70     195.75   0.55     196.80   1.10    0.
07      0.      0.35     0.0151 VL1 1  98.113     3  1     0     0     0    0.6     0.    1.1     0. S    1.
4    0.   7.72 S  193.10      0. S  194.56      0.       0.      0. M      0.      0.0151 VL1 1  98.132
  3  2    80   80     2    0.2    0.2    2.4    0.8       2.4    0.8  7.70     192.05   0.62     193.17   1.10
    0.      0. n      0.      0.0151 VL1 1  98.150     3  3    80   80     3    0.5    0.5    2.4    0.7
   2.6    0.8  7.70     190.65   0.75     191.86   0.83      0.      0. n      0.      0.0151 VL1 1  98.1
68    3  4     0     0     0    1.2     0.    3.0     0. S     3.2    0.  7.66 S  188.95      0. S  190.06
   0.      0.      0. M      0.      0.0151 VL1 1  98.187     3  5    80   80     2    0.7    0.3    2.9    0
.6       3.0    0.6  7.62     187.78   0.60     189.14   0.86      0.      0. n      0.      0.0151 VL1 1
 98.205     3  6    80   80     4    0.2    0.3    2.0    0.7       2.0    0.7  7.62     187.79   0.62     189
.80    0.83      0.      0. n      0.      0.0151 VL1 1  98.223     3  7     0     0     0    1.7     0.    5.
1     0. S     5.3    0.   7.64 S  189.68      0. S  190.59      0.       0.      0. M      0.      0.0151 V
L1 1  98.242     3  8    17    17     0    3.9    1.1   6.8   1.3        7.9   1.4  7.65 S  197.59   0.77
  199.34   0.66      0.      0. n      0.      0.0151 VL1 1  98.260     3  9    33    18     1    4.4    1.3
   2.5    0.9       5.2    1.2  7.62     212.66   1.53     219.36   0.93    1.70    2.20       1.40   1.060
151 VL1 1  98.278     3 10     0     0    36    2.1     0.    1.3     0. S    4.2     0.  7.56     223.74
  0. S  231.82      0.       0.      0. M      0.      0.0151 VL1 1  98.297     3 11     0     0     3   -1.1
   0.    3.4     0. S     5.4     0.  7.53     229.66      0. S  235.90      0.       0.      0. M      0.
   0.0151 VL1 1  98.315     3 12   128   128     4   -2.5    2.4    6.1    2.7        7.0    2.8  7.53    232.7
2    3.23     237.04    2.01      0.      0. n      0.      0.0151 VL1 1  98.333     3 13     0     0     0
-0.8    0.     5.8    0. S     7.3     0.   7.53 S  234.91      0. S  239.45      0.       0.      0. M
0.     0.0151 VL1 1  98.352     3 14   128   128     3    0.5    2.6    4.7    2.7        5.5    2.6  7.53
236.54    2.94     242.36    1.78      0.      0. n      0.      0.0151 VL1 1  98.370     3 15   128   118
   3  -1.6    1.8    0.5    1.1       2.3    1.4  7.53     239.62   2.95     244.75   2.14    1.97    1.58
   3.37    1.110151 VL1 1  98.389     3 16     0     0     0   -3.3     0.   -1.4     0. S    2.0     0.  7.5
1 S  243.94      0. S  247.96      0.      0.      0. M      0.      0.0000000000000000000000000000000

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

INPUT PARAMETERS ARE:  AS SR=391=1 1 1 5

  TAPE NO.   1               FILE NO.   5
  RECORD    391              LENGTH    9996
0151 VL2 2 342.080 1050 16     0     0     0     0.     0.     0.     0. M     0.     0.     0. M     0.
   0. M     0.     0.     0.     0. M     0.     0.0151 VL2 2 342.102 1050 17     0     0     0     0.
    0.     0. M     0.     0.     0. M     0.     0. M     0.     0.     0.     0. M     0.
     0.0151 VL2 2 342.124 1050 18     0     0     0     0.     0.     0.     0. M     0.     0.     C. M
C.      0. M     0.     0.     0.     0. M     0.     0.0151 VL2 2 342.145 1050 19     0     0     0
   0.     0.     0.     0. M     0.     0.     0. M     0.     0. M     0.     0.     0.     0. M
 0.     0.0151 VL2 2 342.167 1050 20     0     0     0     0.     0.     0.     0. M     0.     0.     0. M
      0.     0. M     0.     0.     0.     0. M     0.     0.0151 VL2 2 342.189 1050 21     0     0
   0     0.     0.     0.     0. M     0.     0.     0. M     0.     0. M     0.     0.     0.     0. M
      0.     0.0151 VL2 2 342.210 1050 22     0     0     0     0.     0.     0.     0. M     0.     0.
0. M     0.     0. M     0.     0.     0.     0. M     0.     0.0151 VL2 2 342.232 1050 23     0
   0     0     0.     0.     0.     0. M     0.     0.     0. M     0.     0. M     0.     0.     0.
  C. M     0.     0.0151 VL2 2 342.254 1050 24     0     0     0     0.     0.     0.     0. M     0.     0
```