```
 11:10 SEP 08,'75 ID=00C7
JOB ;POST,BRU333323132,7   . TERMINAL JOB
LIMIT (CORE,16),(TIME,20)
ASSIGN MICI,(FILE,LITERALS,;D00CI)
METASYM CI,L0
```

PCC 0

```
                *P*****************************************************************
                *M*          LITERALS - MONITOR CONSTANT POOL
                *P*     NAME: LITERALS
                *P*     PURPOSE: THIS MODULE CONTAINS THE POOL OF FIXED CONSTANTS
                *P*          FOR THE CP-V MONITOR.
                *P*     DESCRIPTION: THIS MODULE IS LOADED AS THE FIRST MODULE
                *P*          OF THE MONITOR ROOT IN ORDER TO BE LOCATED IN
                *P*          VIRTUAL PAGE X'00' AND HENCE VISIBLE TO USERS
                *P*          OF NORMAL PRIVILEGE LEVEL.  SOME USEFUL VARIABLES
                *P*          DATA SUCH AS TIME,DATE ETC. HAVE ALSO BEEN INCLUDED
                *P*          IN THIS MODULE FOR THE SAME REASON.
                *P*****************************************************************
                *P*
                *P*          NAMING CONVENTION FOR CONSTANTS
                *P*          -------------------------------
                *P*
                *P*     MASKS: RIGHT JUSTIFIED MASKS ARE NAMED BY THE WIDTH
                *P*          OF THE MASK (DECIMAL) PREFIXED WITH AN 'M'.
                *P*          FOR EXAMPLE, A 6 BIT MASK WOULD BE CALLED M6.
                *P*          MASKS WHICH ARE NOT RIGHT JUSTIFIED ARE GENERALLY
                *P*          NAMED FOR THEIR HEXADECIMAL VALUE AS DESCRIBED FOR
                *P*          X AND Y VALUES.
                *P*     CONSTANTS: RIGHT JUSTIFIED CONSTANTS ARE NAMED BY PREFIXING
                *P*          THE HEXADECIMAL VALUE WITH AN 'X'. FOR EXAMPLE,
                *P*          THE CONSTANT X'10' WOULD BE NAMED X10, MUCH LIKE
                *P*          THE METASYMBOL CONSTANT WITHOUT THE QUOTES.
                *P*               LEFT JUSTIFIED CONSTANTS ARE NAMED BY PREFIXING
                *P*          THE VALUE WITH A 'Y'.  THE VALUE FOLLOWING THE 'Y'
                *P*          IS LEFT ALIGNED IN A WORD FILLED WITH TRAILING ZEROES.
                *P*          FOR EXAMPLE, THE CONSTANT X'09000000' WOULD BE
                *P*          NAMED Y09.
                *P*****************************************************************
01 00000    LITERALS EQU     $
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37
38                          *                    EXTERNAL DEFINITIONS
39                          ************************************************************

41                              DEF     BLANK           CONSTANT X'40404040'
42                              DEF     BT31T00         ORDERED TABLE OF BITS
43                              DEF     C:CTUN          CLOCK3 INTERVAL CURRENT
44                              DEF     C:MSM           MILLISECONDS SINCE MIDNIGHT
45                              DEF     C:TIC           # OF 2MS TICS SINCE STARTUP
46                              DEF     C:TINC          # OF TICS REMAINING IN CLOCK3 INTERV
47                              DEF     CORED           PHYSICAL CORE SIZE IN WORDS
48                              DEF     DATE            DATE: 'MMDD  YY'
49                              DEF     DOUBLEONE       DOUBLEWORD 1,1
50                              DEF     DOUBLEZERO      DOUBLEWORD 0,0
51                              DEF     FF3FFFFF        CONSTANT X'FF3FFFFF'
52                              DEF     FIN             CONSTANT ' FIN'
53                              DEF     GRANCYL         COUNT OF CYLINDER ALLOCATED GRANS
54                              DEF     GRANMIN         #GRAN BEFORE PURGE THRESHOLD
55                              DEF     GRANPACK        COUNT OF PACK GRANULES
56                              DEF     GRANRAD         COUNT OF RAD GRANULES
57                              DEF     GRANRESET       #GRAN TO RELEASE BEFORE RESETING GRA
58                              DEF     GRANSYM         COUNT OF SYMBIONT GRANULES REMAINING
59                              DEF     GRAVAIL         GRANULE AVAILABLE COUNTS
60                              DEF     HEX             TEXT '0123456789ABCDEF'
61                              DEF     LITERALS        MODULE NAME FOR PATCHING
62                              DEF     MASKS           ORDERED TABLE OF MASKS
63                              DEF     MINUS2          CONSTANT X'FFFFFFFE' (-2)
64                              DEF     MN9             CONSTANT X'0001FE00' PAGE MASK
65                              DEF     M11             CONSTANT X'000007FF'
66                              DEF     M13             CONSTANT X'00001FFF'
67                              DEF     M15             CONSTANT X'0000EFFF'
68                              DEF     M16             CONSTANT X'0000FFFF'
69                              DEF     M17             CONSTANT X'0001FFFF'
70                              DEF     M19             CONSTANT X'0007FFFF'
71                              DEF     M2              CONSTANT X'00000003'
72                              DEF     M21             CONSTANT X'001FFFFF'
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     73                    DEF     M22             CONSTANT X'003FFFFF'
     74                    DEF     M23             CONSTANT X'007FFFFF'
     75                    DEF     M24             CONSTANT X'00FFFFFF'
     76                    DEF     M3              CONSTANT X'00000007'
     77                    DEF     M31             CONSTANT X'7FFFFFFF'
     78                    DEF     M32             CONSTANT X'FFFFFFFF'
     79                    DEF     M4              CONSTANT X'0000000F'
     80                    DEF     M5              CONSTANT X'0000001F'
     81                    DEF     M6              CONSTANT X'0000003F'
     82                    DEF     M7              CONSTANT X'0000007F'
     83                    DEF     M8              CONSTANT X'000000FF'
     84                    DEF     M9              CONSTANT X'000001FF'
     85                    DEF     NB31T00         ORDERED TABLE OF INVERTED BITS
     86                    DEF     PURGEFLAG       PURGE-READY FLAG
     87                    DEF     S:COUP          TERMINAL COUPLING FLAGS
     88                    DEF     SYSACCT         CONSTANT ':SYS    '
     89                    DEF     SYSACT          DOUBLEWORD TEXT ':SYS    '
     90                    DEF     TINC            SAME AS CITINC
     91                    DEF     TIME            TIME: 'HHMM'
     92                    DEF     TJOB            CONSTANT ' JOB' BANG-JOB
     93                    DEF     XA              CONSTANT X'0000000A'
     94                    DEF     XCF             CONSTANT X'000000CF'
     95                    DEF     XDFFF           CONSTANT X'FFFFDFFF'
     96                    DEF     XE7             CONSTANT X'000000E7'
     97                    DEF     XF              CONSTANT X'0000000F'
     98                    DEF     XFB             CONSTANT X'000000FB'
     99                    DEF     XFC             CONSTANT X'000000FC'
    100                    DEF     XFE             CONSTANT X'000000FE'
    101                    DEF     XFF             CONSTANT X'000000FF'
    102                    DEF     XFFEF           CONSTANT X'FFFFFFEF'
    103                    DEF     XFFF            CONSTANT X'00000FFF'
    104                    DEF     XFFFD           CONSTANT X'FFFFFFFD'
    105                    DEF     XFFFE00         CONSTANT X'00FFFE00'
    106                    DEF     XFFFF           CONSTANT X'0000FFFF'
    107                    DEF     XFFFF00         CONSTANT X'00FFFF00'
    108                    DEF     XFFF0           CONSTANT X'0000FFF0'
    109                    DEF     XFFF800         CONSTANT X'00FFF800'
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110                    DEF     XFF00           CONSTANT X'0000FF00'
111                    DEF     XF0             CONSTANT X'000000F0'
112                    DEF     XF1FFFFFF       CONSTANT X'F1FFFFFF'
113                    DEF     XF3FF           CONSTANT X'FFFFF3FF'
114                    DEF     XF7FF           CONSTANT X'FFFFF7FF'
115                    DEF     XN2             CONSTANT X'FFFFFFFE' (*2)
116                    DEF     X0              CONSTANT X'00000000'
117                    DEF     X1              CONSTANT X'00000001'
118                    DEF     X1FE00          CONSTANT X'0001FE00'
119                    DEF     X1FFFF          CONSTANT X'0001FFFF'
120                    DEF     X10             CONSTANT X'00000010'
121                    DEF     X100            CONSTANT X'00000100'
122                    DEF     X1000FFFF       CONSTANT X'1000FFFF'
123                    DEF     X1000001        CONSTANT X'01000001'
124                    DEF     X2              CONSTANT X'00000002'
125                    DEF     X20             CONSTANT X'00000020'
126                    DEF     X3              CONSTANT X'00000003'
127                    DEF     X3FFE00         CONSTANT X'003FFE00'
128                    DEF     X4              CONSTANT X'00000004'
129                    DEF     X40             CONSTANT X'00000040'
130                    DEF     X400            CONSTANT X'00000400'
131                    DEF     X4000           CONSTANT X'00004000'
132                    DEF     X44             CONSTANT X'00000044'
133                    DEF     X500000D        CONSTANT X'0500000D'
134                    DEF     X7              CONSTANT X'00000007'
135                    DEF     X7F             CONSTANT X'0000007F'
136                    DEF     X7000           CONSTANT X'00007000'
137                    DEF     X8              CONSTANT X'00000008'
138                    DEF     X80             CONSTANT X'00000080'
139                    DEF     X8000           CONSTANT X'00008000'
140                    DEF     YA              CONSTANT X'A0000000'
141                    DEF     YBE             CONSTANT X'BE000000'
142                    DEF     YC              CONSTANT X'C0000000'
143                    DEF     YC1FF           CONSTANT X'C1FF0000'
144                    DEF     YE              CONSTANT X'E0000000'
145                    DEF     YF              CONSTANT X'F0000000'
146                    DEF     YFA             CONSTANT X'FA000000'
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147                    DEF     YFF             CONSTANT X'FF000000'
148                    DEF     YFFF            CONSTANT X'FFF00000'
149                    DEF     YFFFE           CONSTANT X'FFFE0000'
150                    DEF     YFFFF           CONSTANT X'FFFF0000'
151                    DEF     Y0A             CONSTANT X'0A000000'
152                    DEF     Y0C             CONSTANT X'0C000000'
153                    DEF     Y00FE           CONSTANT X'00FE0000'
154                    DEF     Y00FF           CONSTANT X'00FF0000'
155                    DEF     Y000A           CONSTANT X'000A0000'
156                    DEF     Y000C           CONSTANT X'000C0000'
157                    DEF     Y0001           CONSTANT X'00010000'
158                    DEF     Y0002           CONSTANT X'00020000'
159                    DEF     Y0003           CONSTANT X'00030000'
160                    DEF     Y0004           CONSTANT X'00040000'
161                    DEF     Y0008           CONSTANT X'00080000'
162                    DEF     Y001            CONSTANT X'00100000'
163                    DEF     Y002            CONSTANT X'00200000'
164                    DEF     Y003            CONSTANT X'00300000'
165                    DEF     Y003E           CONSTANT X'003E0000'
166                    DEF     Y0038           CONSTANT X'00380000'
167                    DEF     Y004            CONSTANT X'00400000'
168                    DEF     Y008            CONSTANT X'00800000'
169                    DEF     Y01             CONSTANT X'01000000'
170                    DEF     Y01FE           CONSTANT X'01FE0000'
171                    DEF     Y02             CONSTANT X'02000000'
172                    DEF     Y03             CONSTANT X'03000000'
173                    DEF     Y04             CONSTANT X'04000000'
174                    DEF     Y05             CONSTANT X'05000000'
175                    DEF     Y06             CONSTANT X'06000000'
176                    DEF     Y07             CONSTANT X'07000000'
177                    DEF     Y08             CONSTANT X'08000000'
178                    DEF     Y09             CONSTANT X'09000000'
179                    DEF     Y1              CONSTANT X'10000000'
180                    DEF     Y15             CONSTANT X'15000000'
181                    DEF     Y18             CONSTANT X'18000000'
182                    DEF     Y2              CONSTANT X'20000000'
183                    DEF     Y3              CONSTANT X'30000000'
```

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      184                     DEF     Y4              CONSTANT X'40000000'
      185                     DEF     Y40             CONSTANT X'40000000'
      186                     DEF     Y6              CONSTANT X'60000000'
      187                     DEF     Y7D             CONSTANT X'7D000000'
      188                     DEF     Y7F             CONSTANT X'7F000000'
      189                     DEF     Y8              CONSTANT X'80000000'
      190                     DEF     Y82             CONSTANT X'82000000'
      191                     DEF     1MIN            1.2 SECOND TICS REMAINING IN MINUTE


      193                     DEF     24BM14          24 BIT -14
      194                     DEF     24BM15          24 BIT -15
      195                     DEF     24BM18          24 BIT -18
      196                     DEF     24BM2           24 BIT -2
```

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H01   11:10  SEP 08, 75          L I T E R A L S  -  M O N I T O R  C O N S T A N T S          8
     198                        ********************************************************************
     199                        *                          FIXED CONSTANTS
     200                        ********************************************************************


     202                                    BOUND    8
     203    01 00000    00000000 A  XO      DATA     0.0
            01 00001    00000000 A
     204         01 00000           DOUBLEZERO EQU XO
     205    01 00002    00000001 A  DOUBLEONE DATA 1.1
            01 00003    00000001 A
```

```
207                                 *                    ORDERED TABLE OF BITS
208                                 ********************************************************************************
209          01 00003               BT31T00  EQU       *-1
210          00000020               I        DB        32
211    01 00004     00000001 A              DATA      1**(I-1)
212                                         FIN
       01 00005     00000002 A
       01 00006     00000004 A
       01 00007     00000008 A
       01 00008     00000010 A
       01 00009     00000020 A
       01 0000A     00000040 A
       01 0000B     00000080 A
       01 0000C     00000100 A
       01 0000D     00000200 A
       01 0000E     00000400 A
       01 0000F     00000800 A
       01 00010     00001000 A
       01 00011     00002000 A
       01 00012     00004000 A
       01 00013     00008000 A
       01 00014     00010000 A
       01 00015     00020000 A
       01 00016     00040000 A
       01 00017     00080000 A
       01 00018     00100000 A
       01 00019     00200000 A
       01 0001A     00400000 A
       01 0001B     00800000 A
       01 0001C     01000000 A
       01 0001D     02000000 A
       01 0001E     04000000 A
       01 0001F     08000000 A
       01 00020     10000000 A
       01 00021     20000000 A
       01 00022     40000000 A
       01 00023     80000000 A
```

```
214                                *                    ORDERED TABLE OF INVERTED BITS
215                                ********************************************************************************
216          01 00023              NB31T80  EQU       *-1
217          00000020              I        DB        32
218    01 00024     FFFFFFFE A              DATA      X'FFFFFFFF'-1**(I-1)
219                                         FIN
       01 00025     FFFFFFFD A
       01 00026     FFFFFFFB A
       01 00027     FFFFFFF7 A
       01 00028     FFFFFFEF A
       01 00029     FFFFFFDF A
       01 0002A     FFFFFFBF A
       01 0002B     FFFFFF7F A
       01 0002C     FFFFFEFF A
       01 0002D     FFFFFDFF A
       01 0002E     FFFFFBFF A
       01 0002F     FFFFF7FF A
       01 00030     FFFFEFFF A
       01 00031     FFFFDFFF A
       01 00032     FFFFBFFF A
       01 00033     FFFF7FFF A
       01 00034     FFFEFFFF A
       01 00035     FFFDFFFF A
       01 00036     FFFBFFFF A
       01 00037     FFF7FFFF A
       01 00038     FFEFFFFF A
       01 00039     FFDFFFFF A
       01 0003A     FFBFFFFF A
       01 0003B     FF7FFFFF A
       01 0003C     FEFFFFFF A
       01 0003D     FDFFFFFF A
       01 0003E     FBFFFFFF A
       01 0003F     F7FFFFFF A
       01 00040     EFFFFFFF A
       01 00041     DFFFFFFF A
       01 00042     BFFFFFFF A
       01 00043     7FFFFFFF A
```

```
221                          *                    ORDERED TABLE OF MASKS
222                          ***************************************************************
223          01 00043        MASKS    EQU      *-1
224          00000020        I        DB       32
225    01 00044    00000001 A         DATA     =1*1**I
226                          FIN
       01 00045    00000003 A
       01 00046    00000007 A
       01 00047    0000000F A
       01 00048    0000001F A
       01 00049    0000003F A
       01 0004A    0000007F A
       01 0004B    000000FF A
       01 0004C    000001FF A
       01 0004D    000003FF A
       01 0004E    000007FF A
       01 0004F    00000FFF A
       01 00050    00001FFF A
       01 00051    00003FFF A
       01 00052    00007FFF A
       01 00053    0000FFFF A
       01 00054    0001FFFF A
       01 00055    0003FFFF A
       01 00056    0007FFFF A
       01 00057    000FFFFF A
       01 00058    001FFFFF A
       01 00059    003FFFFF A
       01 0005A    007FFFFF A
       01 0005B    00FFFFFF A
       01 0005C    01FFFFFF A
       01 0005D    03FFFFFF A
       01 0005E    07FFFFFF A
       01 0005F    0FFFFFFF A
       01 00060    1FFFFFFF A
       01 00061    3FFFFFFF A
       01 00062    7FFFFFFF A
       01 00063    FFFFFFFF A
```

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228
229                                 *                    NAMES FOR BITS
230                                 ********************************************************************************
231          01 00004               X1          EQU     BT31T80+1
232          01 00005               X2          EQU     BT31T80+2
233          01 00006               X4          EQU     BT31T80+3
234          01 00007               X8          EQU     BT31T80+4
235          01 00008               X10         EQU     BT31T80+5
236          01 00009               X20         EQU     BT31T80+6
237          01 0000A               X40         EQU     BT31T80+7
238          01 0000B               X80         EQU     BT31T80+8
239          01 0000C               X100        EQU     BT31T80+9
240          01 0000D               X200        EQU     BT31T80+10
241          01 0000E               X400        EQU     BT31T80+11
242          01 0000F               X800        EQU     BT31T80+12
243          01 00010               X1000       EQU     BT31T80+13
244          01 00011               X2000       EQU     BT31T80+14
245          01 00012               X4000       EQU     BT31T80+15
246          01 00013               X8000       EQU     BT31T80+16
247          01 00014               Y0001       EQU     BT31T80+17
248          01 00015               Y0002       EQU     BT31T80+18
249          01 00016               Y0004       EQU     BT31T80+19
250          01 00017               Y0008       EQU     BT31T80+20
251          01 00018               Y001        EQU     BT31T80+21
252          01 00019               Y002        EQU     BT31T80+22
253          01 0001A               Y004        EQU     BT31T80+23
254          01 0001B               Y008        EQU     BT31T80+24
255          01 0001C               Y01         EQU     BT31T80+25
256          01 0001D               Y02         EQU     BT31T80+26
257          01 0001E               Y04         EQU     BT31T80+27
258          01 0001F               Y08         EQU     BT31T80+28
259          01 00020               Y1          EQU     BT31T80+29
260          01 00021               Y2          EQU     BT31T80+30
261          01 00022               Y4          EQU     BT31T80+31
262          01 00023               Y8          EQU     BT31T80+32
```

```
                                ********************************************************************************
                                *                          NAMES FOR MASKS
                                ********************************************************************************
          01 00044              M1        EQU     MASKS+1
          01 00045              M2        EQU     MASKS+2
          01 00046              M3        EQU     MASKS+3
          01 00047              M4        EQU     MASKS+4
          01 00048              M5        EQU     MASKS+5
          01 00049              M6        EQU     MASKS+6
          01 0004A              M7        EQU     MASKS+7
          01 0004B              M8        EQU     MASKS+8
          01 0004C              M9        EQU     MASKS+9
          01 0004D              M10       EQU     MASKS+10
          01 0004E              M11       EQU     MASKS+11
          01 0004F              M12       EQU     MASKS+12
          01 00050              M13       EQU     MASKS+13
          01 00051              M14       EQU     MASKS+14
          01 00052              M15       EQU     MASKS+15
          01 00053              M16       EQU     MASKS+16
          01 00054              M17       EQU     MASKS+17
          01 00055              M18       EQU     MASKS+18
          01 00056              M19       EQU     MASKS+19
          01 00057              M20       EQU     MASKS+20
          01 00058              M21       EQU     MASKS+21
          01 00059              M22       EQU     MASKS+22
          01 0005A              M23       EQU     MASKS+23
          01 0005B              M24       EQU     MASKS+24
          01 0005C              M25       EQU     MASKS+25
          01 0005D              M26       EQU     MASKS+26
          01 0005E              M27       EQU     MASKS+27
          01 0005F              M28       EQU     MASKS+28
          01 00060              M29       EQU     MASKS+29
          01 00061              M30       EQU     MASKS+30
          01 00062              M31       EQU     MASKS+31
          01 00063              M32       EQU     MASKS+32
          01 0004F              XFFF      EQU     M12
```

```
                                ********************************************************************************
                                *                          NAMES FOR INVERTED BITS
                                ********************************************************************************
          01 00024  XFFFE     EQU     NB31T00+1
          01 00025  XFFFD     EQU     NB31T00+2
          01 00026  XFFFB     EQU     NB31T00+3
          01 00027  XFFF7     EQU     NB31T00+4
          01 00028  XFFEF     EQU     NB31T00+5
          01 00029  XFFDF     EQU     NB31T00+6
          01 0002A  XFFBF     EQU     NB31T00+7
          01 0002B  XFF7F     EQU     NB31T00+8
          01 0002C  XFEFF     EQU     NB31T00+9
          01 0002D  XFDFF     EQU     NB31T00+10
          01 0002E  XFBFF     EQU     NB31T00+11
          01 0002F  XF7FF     EQU     NB31T00+12
          01 00030  XEFFF     EQU     NB31T00+13
          01 00031  XDFFF     EQU     NB31T00+14
          01 00032  XBFFF     EQU     NB31T00+15
          01 00033  X7FFF     EQU     NB31T00+16
          01 00024  MINUS2    EQU     NB31T00+1
          01 00024  XN2       EQU     NB31T00+1
          01 0002C  XFFFFFEFF EQU     NB31T00+9
```

```
                                *****************************************************************
                                *                          MISC CONSTANTS
                                *****************************************************************
                      01 00047  XF        EQU     M4
                      01 00048  XFF       EQU     M8
                      01 00053  XFFFF     EQU     M16
                      01 00014  X10000    EQU     Y0001
                      01 00054  X1FFFF    EQU     M17
                      01 00056  X7FFFF    EQU     M19
01 00064    0001FE00 A        X1FE00    DATA    X'1FE00'
                      01 00064  MN9       EQU     X1FE00
01 00065    000000FE A        XFE       DATA    X'FE'
                      01 0004A  X7F       EQU     M7
                      01 00045  X3        EQU     M2
01 00066    000000FB A        XFB       DATA    X'FB'
01 00067    000000E7 A        XE7       DATA    X'E7'
                      01 00046  X7        EQU     M3
01 00068    00000044 A        X44       DATA    X'44'
01 00069    0000FF00 A        XFF00     DATA    X'FF00'
01 0006A    0000F3FF A        XF3FF     DATA    X'F3FF'
01 0006B    F1FFFFFF A        XF1FFFFFF DATA    X'F1FFFFFF'
01 0006C    000000F0 A        XF0       DATA    X'F0'
01 0006D    003FFE00 A        X3FFE00   DATA    X'3FFE00'
01 0006E    00FFFE00 A        XFFFE00   DATA    X'00FFFE00'
01 0006F    1000FFFF A        X1000FFFF DATA    X'1000FFFF'
01 00070    00007000 A        X7000     DATA    X'7000'
01 00071    00FFF800 A        XFFF800   DATA    X'00FFF800'
01 00072    0000000A A        XA        DATA    X'A'
01 00073    00FFFF00 A        XFFFF00   DATA    X'00FFFF00'
01 00074    000000FC A        XFC       DATA    X'000000FC'
01 00075    000000CF A        XCF       DATA    X'CF'
01 00076    01000001 A        X1000001  DATA    X'1000001'
01 00077    0500000D A        X500000D  DATA    X'500000D'
01 00078    0000FFF0 A        XFFF0     DATA    X'FFF0'
01 00079    000A0000 A        Y000A     DATA    X'000A0000'
01 0007A    BE000000 A        YBE       DATA    X'BE000000'
01 0007B    000C0000 A        Y000C     DATA    X'C0000'
```

```
361   01 0007C    00300000 A   Y003     DATA    X'300000'
362   01 0007D    00380000 A   Y0038    DATA    X'380000'
363   01 0007E    00FE0000 A   Y00FE    DATA    X'FE0000'
364   01 0007F    00FF0000 A   Y00FF    DATA    X'FF0000'
365   01 00080    03000000 A   Y03      DATA    X'3000000'
366   01 00081    05000000 A   Y05      DATA    X'05000000'
367   01 00082    06000000 A   Y06      DATA    X'6000000'
368   01 00083    07000000 A   Y07      DATA    X'07000000'
369   01 00084    09000000 A   Y09      DATA    X'9000000'
370   01 00085    0A000000 A   Y0A      DATA    X'0A000000'
371   01 00086    E0000000 A   YE       DATA    X'E0000000'
372   01 00087    F0000000 A   YF       DATA    X'F0000000'
373   01 00088    0C000000 A   Y0C      DATA    X'C000000'
374   01 00089    01FE0000 A   Y01FE    DATA    X'01FE0000'
375   01 0008A    15000000 A   Y15      DATA    X'15000000'
376   01 0008B    18000000 A   Y18      DATA    X'18000000'
377   01 0008C    30000000 A   Y3       DATA    X'30000000'
378         01 00022         Y40      EQU     Y4
379   01 0008D    60000000 A   Y6       DATA    X'60000000'
380   01 0008E    00030000 A   Y0003    DATA    X'30000'
381   01 0008F    7D000000 A   Y7D      DATA    X'7D000000'
382   01 00090    7F000000 A   Y7F      DATA    X'7F000000'
383   01 00091    C1FF0000 A   YC1FF    DATA    X'C1FF0000'
384   01 00092    003E0000 A   Y003E    DATA    X'3E0000'
```

```
386                                    *
387                                    *       ORDERED TABLE FOR CONVERTING HEX AND DECIMAL FOR OUTPUT
388                                    *
389    01 00093    F0F1F2F3 A     HEX    TEXT    '0123456789ABCDEF'
       01 00094    F4F5F6F7 A
       01 00095    F8F9C1C2 A
       01 00096    C3C4C5C6 A
390    01 00097    82000000 A     Y82    DATA    X'82000000'
391    01 00098    A0000000 A     YA     DATA    X'A0000000'
392    01 00099    C0000000 A     YC     DATA    X'C0000000'
393    01 0009A    FA000000 A     YFA    DATA    X'FA000000'
394    01 0009B    FF000000 A     YFF    DATA    X'FF000000'
395    01 0009C    FFF00000 A     YFFF   DATA    X'FFF00000'
396    01 0009D    FFFE0000 A     YFFFE  DATA    X'FFFE0000'
397    01 0009E    FFFF0000 A     YFFFF  DATA    X'FFFF0000'
398    01 0009F    FF3FFFFF A     FF3FFFFF DATA  X'FF3FFFFF'
399                                           DEF     X1FFFE
400    01 000A0    0001FFFE A     X1FFFE DATA    X'1FFFE'
401    01 000A1    00FFFFFE A     24BM2  GEN,8,24 0,-2
402    01 000A2    00FFFFEE A     24BM18 GEN,8,24 0,-18
403    01 000A3    00FFFFF2 A     24BM14 GEN,8,24 0,-14
404    01 000A4    00FFFFF1 A     24BM15 GEN,8,24 ,-15
```

```
406                     ************************************************************
407                     *                  VARIABLE DATA FOR PAGE ZERO
408                     *                   (VISIBLE TO ALL USERS)
409                     ************************************************************

411   01 000A5  5AC6C9D5 A  FIN       TEXT    ! FIN!
412   01 000A6  40404040 A  BLANK     TEXT    !    !
413   01 000A7  5AD1D6C2 A  TJOB      TEXT    ! JOB!
414                         SYSACCT   BOUND   8
415   01 000A8  7AE2F8E2 A  SYSACCT   TEXT    !;SYS    !
      01 000A9  40404040 A
416      01 000A8           SYSACT    EQU     SYSACCT
417   01 000AA  F0F1F0F1 A  DATE      TEXT    !0101  70!
      01 000AB  4040F7F0 A
418   01 000AC  F0F0F0F0 A  TIME      TEXT    !0000!
419   01 000AD  00000032 A  1MIN      DATA    50              # OF 1.2 SEC INTERVALS PER MINUTE
```

```
421                                 *                   COUNTERS FOR BUFGRAN.PURGE..USED IN DETERMINING
422                                 *                   WHEN OPERATOR MESSAGES AND AUTO PURGES MUST BE DONE
423   01 000AE    00000001 A    GRANRESET DATA    1                 NO. GRANULES TO RELEASE BEFORE
424                                 *                                 RESETTING GRANMIN
425   01 000AF    00000001 A    GRANMIN  DATA     1                 NO. GRANULES THAT MAY BE ALLOCATED
426                                 *                                 BEFORE REACHING A PURGE THRESHOLD
427                                 *                   ABOVE VALUES ASSURE PURGE WILL BE CALLED TO
428                                 *                   RESET THESE ITEMS
429   01 000B0    00000000 A    PURGEFLAG DATA    0                 BUFGRAN CALLS PURGE ONLY IF LATTER
430                                 *                                 READY, NON-ZERO SAYS READY
431         01 000B1            GRAVAIL  EQU      $
432   01 000B1    00000000 A    GRANRAD  DATA     0
433   01 000B2    00000000 A    GRANPACK DATA     0
434   01 000B3    00000000 A    GRANSYM  DATA     0
435   01 000B4    00000000 A    GRANCYL  DATA     0
```

```
437                     ********************************************************************************
438                     *                          CLOCK3 DATA FOR TIME OF DAY
439                     ********************************************************************************

441   01 00085  00000000 A  C:TIC    DATA    0              # OF TICS SINCE SYSTEM STARTUP
442   01 00086  00000258 A  C:CTUN   DATA    600            CURRENT CLOCK3 INTERVAL
443   01 00087  00000258 A  C:TINC   DATA    600            WORKING INTERVAL FOR CLOCK3
444   01 00088  00000000 A  C:MSM    DATA    0              MILLISECONDS SINCE MIDNIGHT
445                     *                                  (TARGET OF MTW,-1)
446         01 00087      TINC     EQU     C:TINC         SYNONYM
```

```
448                     ********************************************************************************
449                     *                          TERMINAL COUPLING CONTROL
450                     ********************************************************************************

452   01 000B9  000000FF A  SICOUP  DATA    X'FF'              TERMINAL COUPLING CONTROL FLAGS
453                     ********************************************************************************
454                     *                          PHYSICAL MEMORY SIZE
455                     ********************************************************************************

457                     *       THIS CELL CONTAINING THE SIZE OF PHYSICAL MEMORY IN WORDS
458                     *       IS OF INTEREST TO THE LOADER.  USED TO ENABLE SPECIAL ACTION
459                     *       REQUIRED FOR SYSGENS ON 64K SYSTEMS.

461   01 000BA  00000000 A  CORED   DATA    0                  PHYSICAL MEMORY SIZE IN WORDS
462                     *                                      SETUP AT INITIALIZATION
463                             END

CONTROL SECTION SUMMARY: 01 000BB   PT 0    02 00000   PT 0    03 00000   PT 1    04 00000   PT 0
```

* SYMBOL VALUES

```
I/00000020          MASK/FUNC           M1/01 00044         M10/01 0004D
M12/01 0004F        M14/01 00051        M18/01 00055        M20/01 00057
M25/01 0005C        M26/01 0005D        M27/01 0005E        M28/01 0005F
M29/01 00060        M30/01 00061        NMASK/FUNC          XBFFF/01 00032
XEFFF/01 00030      XFBFF/01 0002E      XFDFF/01 0002D      XFEFF/01 0002C
XFFBF/01 0002A      XFFDF/01 00029      XFFFB/01 00026      XFFFE/01 00024
XFFFFFEFF/01 0002C  XFFF7/01 00027      XFF7F/01 0002B      X1000/01 00010
X10000/01 00014     X200/01 0000D       X2000/01 00011      X7FFF/01 00033
X7FFFF/01 00056     X800/01 0000F
```

* EXTERNAL DEFINITIONS

```
BLANK/01 000A6      BT31T80/01 00003    C:CTUN/01 000B6     C:MSM/01 000B8
C:TIC/01 000B5      C:TINC/01 000B7     CORED/01 000BA      DATE/01 000AA
DOUBLEONE/01 00002  DOUBLEZERO/01 00000 FF3FFFFF/01 0009F   FIN/01 000A5
GRANCYL/01 000B4    GRANMIN/01 000AF    GRANPACK/01 000B2   GRANRAD/01 000B1
GRANRESET/01 000AE  GRANSYM/01 000B3    GRAVAIL/01 000B1    HEX/01 00093
LITERALS/01 00000   MASKS/01 00043      MINUS2/01 00024     MN9/01 00064
M11/01 0004E        M13/01 00050        M15/01 00052        M16/01 00053
M17/01 00054        M19/01 00056        M2/01 00045         M21/01 00058
M22/01 00059        M23/01 0005A        M24/01 0005B        M3/01 00046
M31/01 00062        M32/01 00063        M4/01 00047         M5/01 00048
M6/01 00049         M7/01 0004A         M8/01 0004B         M9/01 0004C
NB31T80/01 00023    PURGEFLAG/01 000B0  SICBUP/01 000B9     SYSACCT/01 000A8
SYSACT/01 000A8     TIME/01 000AC       TINC/01 000B7       TJOB/01 000A7
XA/01 00072         XCF/01 00075        XDFFF/01 00031      XE7/01 00067
XF/01 00047         XFB/01 00066        XFC/01 00074        XFE/01 00065
XFF/01 00048        XFFEF/01 00028      XFFF/01 0004F       XFFFD/01 00025
XFFFE00/01 00064    XFFFF/01 00053      XFFFF00/01 00073    XFFF0/01 00078
XFFF800/01 00071    XFF00/01 00069      XF0/01 0006C        XF1FFFFFF/01 0006B
XF3FF/01 0006A      XF7FF/01 0002F      XN2/01 00024        X0/01 00000
X1/01 00004         X1FE00/01 00064     X1FFFE/01 000A0     X1FFFF/01 00054
X10/01 00008        X100/01 0000C       X1000FFFF/01 0006F  X1000001/01 00076
X2/01 00005         X20/01 00009        X3/01 00045         X3FFE00/01 0006D
X4/01 00006         X40/01 0000A        X400/01 0000E       X4000/01 00012
X44/01 00068        X500000D/01 00077   X7/01 00046         X7F/01 0004A
X7000/01 00070      X8/01 00007         X80/01 0000B        X8000/01 00013
YA/01 00098         YBE/01 0007A        YC/01 00099         YC1FF/01 00091
```

```
      YE/01 00086          YF/01 00087          YFA/01 0009A         YFF/01 0009B
      YFFF/01 0009C        YFFFE/01 0009D       YFFFF/01 0009E       Y0A/01 00085
      Y0C/01 00088         Y00FE/01 0007E       Y00FF/01 0007F       Y000A/01 00079
      Y000C/01 00078       Y0001/01 00014       Y0002/01 00015       Y0003/01 0008E
      Y0004/01 00016       Y0008/01 00017       Y001/01 00018        Y002/01 00019
      Y003/01 0007C        Y003E/01 00092       Y0038/01 0007D       Y004/01 0001A
      Y008/01 0001B        Y01/01 0001C         Y01FE/01 00089       Y02/01 0001D
      Y03/01 00080         Y04/01 0001E         Y05/01 00081         Y06/01 00082
      Y07/01 00083         Y08/01 0001F         Y09/01 00084         Y1/01 00020
      Y15/01 0008A         Y18/01 0008B         Y2/01 00021          Y3/01 0008C
      Y4/01 00022          Y40/01 00022         Y6/01 0008D          Y7D/01 0008F
      Y7F/01 00090         Y8/01 00023          Y82/01 00097         1MIN/01 000AD
      24BM14/01 000A3      24BM15/01 000A4      24BM18/01 000A2      24BM2/01 000A1
* NO PRIMARY REFERENCES
* NO SECONDARY REFERENCES
* NO UNDEFINED SYMBOLS
*    ERROR SEVERITY LEVEL: 0
* NO ERROR LINES
```