```
RRRRRRRRRRR      MMM          MMM     SSSSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSSSS
RRR         RRR  MMMMMM    MMMMMM  SSS
RRR         RRR  MMMMMM    MMMMMM  SSS
RRR         RRR  MMMMMM    MMMMMM  SSS
RRR         RRR  MMM   MMM   MMM   SSS
RRR         RRR  MMM   MMM   MMM   SSS
RRR         RRR  MMM   MMM   MMM   SSS
RRRRRRRRRRR      MMM          MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRRRRRRRRRRR     MMM          MMM     SSSSSSSSS
RRR   RRR        MMM          MMM             SSS
RRR   RRR        MMM          MMM             SSS
RRR   RRR        MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR      RRR     MMM          MMM             SSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
RRR         RRR  MMM          MMM  SSSSSSSSSSS
```

```
RRRRRRRR    MM      MM    000000    DDDDDDDD    UU      UU  MM      MM  MM      MM  YY      YY
RRRRRRRR    MM      MM    000000    DDDDDDDD    UU      UU  MM      MM  MM      MM  YY      YY
RR      RR  MMMM  MMMM  00      00  DD      DD  UU      UU  MMMM  MMMM  MMMM  MMMM  YY      YY
RR      RR  MMMM  MMMM  00      00  DD      DD  UU      UU  MMMM  MMMM  MMMM  MMMM  YY      YY
RR      RR  MM  MM  MM  00    0000  DD      DD  UU      UU  MM  MM  MM  MM  MM  MM    YY  YY
RR      RR  MM  MM  MM  00    0000  DD      DD  UU      UU  MM  MM  MM  MM  MM  MM    YY  YY
RRRRRRRR    MM      MM  00  00  00  DD      DD  UU      UU  MM      MM  MM      MM      YY
RRRRRRRR    MM      MM  00  00  00  DD      DD  UU      UU  MM      MM  MM      MM      YY
RR  RR      MM      MM  0000    00  DD      DD  UU      UU  MM      MM  MM      MM      YY
RR  RR      MM      MM  0000    00  DD      DD  UU      UU  MM      MM  MM      MM      YY
RR    RR    MM      MM  00      00  DD      DD  UU      UU  MM      MM  MM      MM      YY      ....
RR    RR    MM      MM  00      00  DD      DD  UU      UU  MM      MM  MM      MM      YY      ....
RR      RR  MM      MM    000000    DDDDDDDD    UUUUUUUUUU  MM      MM  MM      MM      YY      ....
RR      RR  MM      MM    000000    DDDDDDDD    UUUUUUUUUU  MM      MM  MM      MM      YY      ....

LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
0000     1          $BEGIN  RMODUMMY,000,RM$RMS0,<DUMMY ROUTINES>,<NOWRT,QUAD>
0000     2
0000     3  ;
0000     4  ;*****************************************************************************
0000     5  ;*                                                                           *
0000     6  ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
0000     7  ;*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
0000     8  ;*  ALL RIGHTS RESERVED.                                                     *
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0000    14  ;*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY     *
0000    15  ;*  TRANSFERRED.                                                             *
0000    16  ;*                                                                           *
0000    17  ;*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE     *
0000    18  ;*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
0000    19  ;*  CORPORATION.                                                             *
0000    20  ;*                                                                           *
0000    21  ;*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS     *
0000    22  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    23  ;*                                                                           *
0000    24  ;*                                                                           *
0000    25  ;*****************************************************************************
0000    26  ;
0000    27  ;       Modified By:
0000    28  ;
0000    29  ;       V03-006 JAK0141         J A Krycka              10-Apr-1984
0000    30  ;               Add four network related testpoints.
0000    31  ;
0000    32  ;       V03-005 RAS0236         Ron Schaefer            16-Jan-1984
0000    33  ;               Make the RMS patch psect be at the end of RMS (again).
0000    34  ;
0000    35  ;       V03-004 RAS0217         Ron Schaefer             2-Dec-1983
0000    36  ;               Make the RMS patch psect be at the end of RMS.
0000    37  ;
0000    38  ;       V03-003 KBT032x         Keith B. Thompson       10-Sep-1982
0000    39  ;               Add RMS$GL_VERSION and RMS$_VERSION globl symbols
0000    40  ;
0000    41  ;       V03-002 KBT0314         Keith B. Thompson        7-Sep-1982
0000    42  ;               Fix bugcheck code
0000    43  ;
0000    44  ;       V03-001 KBT0152         Keith B. Thompson       20-Aug-1982
0000    45  ;               Reorganize psects and rename entry point to single '$'
0000    46  ;
0000    47  ;       V02-036 TMK0023         Todd M. Katz            14-Dec-1981
0000    48  ;               Change entry point from RM$ERRORG to RM$$ERRORG to fix
0000    49  ;               broken branch.
0000    50  ;
0000    51  ;       V02-035 KPL0001         Peter Lieberwirth        6-July-1981
0000    52  ;               Add a testpoint to count the number of times RMS
0000    53  ;               waits on record lock conflict.  Also add testpoints
0000    54  ;               to count calls to RM$LOCK and RM$QUERY_LCK.
0000    55  ;
0000    56  ;       V02-034 REFORMAT        Frederick E. Deen, Jr.      25-Jul-1980
0000    57  ;               This code was reformatted to adhere to RMS standards
```

```
                     0000     58 ;
                     0000     59 ;       V033    JAK0026         J A Krycka      03-Oct-1979
                     0000     60 ;               Add, delete, and rearrange network testpoint counters.
                     0000     61 ;
                     0000     62 ;       V032    JAK0006         J A Krycka      15-Jan-1978
                     0000     63 ;               Reserve TPT space for use by network file name parsing code.
                     0000     64 ;
                     0000     65 ;       V031    RAN0003         R A Newell      19-Dec-1978
                     0000     66 ;               File sharing code enhancements
                     0000     67 ;
                     0000     68 ; REVISION HISTORY:
                     0000     69 ;
                     0000     70 ;       C Saether       01-Nov-1978   10:00
                     0000     71 ;       X0001 - Make bug check non-fatal and delete process
                     0000     72 ;
                     0000     73
                     0000     74         $RMSDEF
                     0000     75
                     0000     76 ;++
                     0000     77 ; RM$BUG - RMS bug check routine
                     0000     78 ;
                     0000     79 ; RM$ERRORG - Error in file organization
                     0000     80 ;
                     0000     81 ; NOTE: The alignment of this code is critical in that the bugcheck
                     0000     82 ;       codes are not allowed to cause a page fault.
                     0000     83 ;--
                     0000     84
                     0000     85 RM$BUG::
                     0000     86                                                      ;
          52    DD   0000     87         PUSHL   R2                                   ; free up a register
     52   04 BE 98   0002     88         CVTBL   @4(SP),R2                            ; get RMS error code
              FEFF   0006     89         BUGW                                         ; log the bugcheck
              0000'  0008     90         .WORD   BUG$_RMSBUG                          ;  with RMS bugcheck code
          13  14     000A     91         BGTR    10$                                  ; branch if not fatal (from cvtbl r2)
                     000C     92         $DELPRC_S                                    ; delete the process, should not return
50   00010001 8F   D0 0017     93         MOVL    #RMS$_NORMAL,R0                      ; if delprc returns we are in rundown
                   04  001E     94         RET                                          ;  and a delprc was already called so
                     001F     95                                                      ;  just return (at this point all is
                     001F     96                                                      ;  lost).
                     001F     97
          04   BA   001F     98 10$:    POPR    #^M<R2>                              ; restore r2
          6E   D6   0021     99         INCL    (SP)                                 ; skip past bug code
               05   0023    100         RSB                                          ; back to caller
                     0024    101
                     0024    102 ;
                     0024    103 ; Error in file organization
                     0024    104 ;
                     0024    105
                     0024    106 RM$ERRORG::
                     0024    107         RMSTBUG FTL$_BADORGCASE
                     0028    108
```

```
00000000   110          .PSECT  _RMS$PATCH,PAGE,NOWRT
      0000 111 ;++
      0000 112 ;
      0000 113 ; RMS$GL_VERSION - Version number for the RMS image.
      0000 114 ;
      0000 115 ;--
00000000  0000 116          RMS$_VERSION    == 0            ; Default to zero if not redefined
      0000 117
      0000 118 RMS$GL_VERSION::
00000000  0000 119          .LONG   RMS$_VERSION            ; Defined at link time
      0004 120
      0004 121 ;++
      0004 122 ;
      0004 123 ; RMS$GQ_PATCH - Space for patching the RMS image.
      0004 124 ;
      0004 125 ;--
      0004 126
      0004 127 RMS$GQ_PATCH::
000007F4  0004 128          .LONG   <4*512>-12              ; 4 pages worth MINUS version longword
0000000C' 0008 129          .LONG   .+4                     ; starting immediately
00000800  000C 130          .BLKB   <4*512>-12
```

```
                     0800   132
                     0800   133 ;++
                     0800   134 ; Define testpoint offsets for counters in PIO segment.
                     0800   135 ;--
                     0800   136
                     0800   137          .MACRO  F NAM
                     0800   138          TPT$L_'NAM==..CNT
                     0800   139          ..CNT=..CNT+4
                     0800   140          .ENDM   F
            00000000 0800   141          ..CNT=0
                     0800   142
                     0800   143          F       ACCESS                  ; # of file access calls
                     0800   144          F       ASTDSA                  ; # of times ASTS disabled
                     0800   145          F       CLOSE                   ; # of times SYS$CLOSE function called
                     0800   146          F       COMCLNU                 ; # of DISCONNECT cleanups
                     0800   147          F       CONNECT                 ; # of times SYS$CONNECT function called
                     0800   148          F       CONNECT2                ; # of calls to RM$CONNECT2
                     0800   149          F       CREATE                  ; # of times SYS$CREATE function called
                     0800   150          F       CREATE1                 ; # of calls to RM$CREATE1
                     0800   151          F       CREATE2                 ; # of calls to RM$CREATE2
                     0800   152          F       DEACCES                 ; # of file DEACCESS calls
                     0800   153 ; 10
                     0800   154          F       DELETE                  ; # of times SYS$DELETE function called
                     0800   155          F       DELETE2                 ; # of calls to RM$DELETE2
                     0800   156          F       DISCON0                 ; # of times SYS$DISCONNECT function called
                     0800   157          F       DISCON1                 ; # of calls to RM$DISCONNECT1
                     0800   158          F       DISCON2                 ; # of calls to RM$DISCONNECT2
                     0800   159          F       DISPLAY                 ; # of times SYS$DISPLAY function called
                     0800   160          F       ERASE                   ; # of times SYS$ERASE function called
                     0800   161          F       EXTEND                  ; # of times SYS$EXTEND function called
                     0800   162          F       FCPEXT                  ; # of FCP extends
                     0800   163          F       FCPFNC                  ; # of FCP functions requested
                     0800   164 ; 20
                     0800   165          F       FCPFNCA                 ; # of FCP functions requested (alternate en
                     0800   166          F       FIND                    ; # of times SYS$FIND function called
                     0800   167          F       FIND1                   ; # of SEQ. org. FINDs
                     0800   168          F       FIND2                   ; # of REL. org. FINDs
                     0800   169          F       FLUSH                   ; # of times SYS$FLUSH function called
                     0800   170          F       FREE                    ; # of times SYS$FREE function called
                     0800   171          F       GET                     ; # of times SYS$GET function called
                     0800   172          F       GET1                    ; # of SEQ. org. GETs
                     0800   173          F       GET2                    ; # of REL. org. GETs
                     0800   174          F       GETBLKD                 ; # of SEQ. org. GETs to block devices
                     0800   175 ; 30
                     0800   176          F       INDPPF                  ; # of indirect opens of PPF'S
                     0800   177          F       LOCK                    ; # of times RM$LOCK called
                     0800   178          F       MODIFY                  ; # of times SYS$MODIFY function called
                     0800   179          F       MODIFY2                 ; # of calls to 'escape' MODIFY
                     0800   180          F       NXTBLK1                 ; # of calls to RM$NXTBLK1
                     0800   181          F       NXTVOL                  ; # of times SYS$NXTVOL function called
                     0800   182          F       OPEN                    ; # of times SYS$OPEN function called
                     0800   183          F       OPEN1                   ; # of SEQ. org. OPENs
                     0800   184          F       OPEN2                   ; # of REL. org. OPENs
                     0800   185          F       PARSE                   ; # of times SYS$PARSE function called
                     0800   186 ; 40
                     0800   187          F       PARSES                  ; # of calls to PARSE_STRING routine (RMOXPF
                     0800   188          F       PUT                     ; # of times SYS$PUT function called
```

```
0800   189          F       PUT1                    ; # of SEQ. org. puts
0800   190          F       PUT2                    ; # of REL. org. puts
0800   191          F       PUTBLD                  ; # of SEQ. org. puts to block devices
0800   192          F       PUTREC1                 ; # or SEQ. org. puts to unit record devices
0800   193          F       PUTSET1                 ; # of calls to RM$PUTSET1
0800   194          F       PUTSET2                 ; # of calls to RM$PUTSET2
0800   195          F       QUERY_LCK               ; # of times RM$QUERY_LCK called
0800   196          F       READ                    ; # of times SYS$READ function called
0800   197 ; 50
0800   198          F       REC_WAT                 ; # of times waited on a record lock
0800   199          F       RELBLK1                 ; # of calls to RM$RELBLK1
0800   200          F       RELEASE                 ; # of buffer RELEASEs
0800   201          F       RELEASE0                ; # of times SYS$RELEASE function called
0800   202          F       RENAME                  ; # of times SYS$RENAME function called
0800   203          F       REWIND                  ; # of times SYS$REWIND function called
0800   204          F       RUNDWN                  ; # of times SYS$RMSRUNDWN called
0800   205          F       SEARCH                  ; # of times SYS$SEARCH, SYS$REMOVE, and SYS
0800   206          F       SEQRD                   ; # of SEQ. org. READ QIO's
0800   207          F       SEQWTBD                 ; # of SEQ. org. WRITE QIO's for block devic
0800   208 ; 60
0800   209          F       SEQWTUR                 ; # of SEQ. org. WRITEs to unit record devic
0800   210          F       SETDDIR                 ; # of times SYS$SETDDIR function called
0800   211          F       SETDFPROT               ; # of times SYS$SETDFPROT function called
0800   212          F       SETDID                  ; # of calls to RM$SETDID routine (directory
0800   213          F       SPACE                   ; # of times SYS$SPACE function called
0800   214          F       STALAST                 ; # of ASTs processed at RM$THREADGO
0800   215          F       STALL                   ; # of RMS stalls
0800   216          F       STALLAL                 ; # of RMS stalls requiring asb allocation
0800   217          F       STALLLOCK               ; # of times STALL_LOCK is called
0800   218          F       TRUNCATE                ; # of times SYS$TRUNCATE function called
0800   219 ; 70
0800   220          F       UPDATE                  ; # of times SYS$UPDATE function called
0800   221          F       UPDATE1                 ; # of SEQ. org. updates
0800   222          F       UPDATE2                 ; # of REL. org. updates
0800   223          F       WAIT                    ; # of times SYS$WAIT function called
0800   224          F       WRITE                   ; # of times SYS$WRITE function called
0800   225          F       WTLST1                  ; # of calls to RM$WTLST1
0800   226          F       XLATLOG                 ; # of RMS logical device name translations
0800   227          F       XPFN                    ; # of calls to RM$XPFN
0800   228 ;
0800   229 ; network specific testpoints.
0800   230 ;
0800   231
0800   232          F       NTACC_DAP               ; # of network ACCESS calls at DAP level
0800   233          F       NTACC_NSP               ; # of network ACCESS calls at NSP level
0800   234 ; 80
0800   235          F       NTCLOSE                 ; # of network CLOSE function calls
0800   236          F       NTCONN                  ; # of network CONNECT function calls
0800   237          F       NTCREATE                ; # of network CREATE function calls
0800   238          F       NTDAP_DEC               ; # of network DAP message decodes
0800   239          F       NTDAP_ENC               ; # of network DAP message encodes
0800   240          F       NTDAP_RCV               ; # of network DAP message receive QIOs
0800   241          F       NTDAP_XMT               ; # of network DAP message transmit QIOs
0800   242          F       NTDEACCES               ; # of network DEACCESS calls
0800   243          F       NTDELETE                ; # of network DELETE function calls
0800   244          F       NTDISCON                ; # of network DISCONNECT function calls
0800   245 ; 90
```

```
0800   246          F       NTDISPLAY               ; # of network DISPLAY function calls
0800   247          F       NTENTER                 ; # of network ENTER function calls
0800   248          F       NTERASE                 ; # of network ERASE function calls
0800   249          F       NTEXTEND                ; # of network EXTEND function calls
0800   250          F       NTFIND                  ; # of network FIND function calls
0800   251          F       NTFLUSH                 ; # of network FLUSH function calls
0800   252          F       NTFREE                  ; # of network FREE function calls
0800   253          F       NTGET                   ; # of network GET function calls
0800   254          F       NTNXTVOL                ; # of network NXTVOL function calls
0800   255          F       NTOPEN                  ; # of network OPEN function calls
0800   256 ; 100
0800   257          F       NTPUT                   ; # of network PUT function calls
0800   258          F       NTREAD                  ; # of network READ function calls
0800   259          F       NTRELEASE               ; # of network RELEASE function calls
0800   260          F       NTREMOVE                ; # of network REMOVE function calls
0800   261          F       NTRENAME                ; # of network RENAME function calls
0800   262          F       NTREWIND                ; # of network REWIND function calls
0800   263          F       NTSEARCH                ; # of network SEARCH function calls
0800   264          F       NTSPACE                 ; # of network SPACE function calls
0800   265          F       NTTRUNC                 ; # of network TRUNCATE function calls
0800   266          F       NTUPDATE                ; # of network UPDATE function calls
0800   267 ; 110
0800   268          F       NTWRITE                 ; # of network WRITE function calls
0800   269          F       NTXLATLOG               ; # of RMS logical node name translations (r
0800   270 ; 112
0800   271
0800   272                  .END
```

```
$$.PSECT_EP                     = 00000000
$$RMSTEST                       = 0000001A
$$RMS_PBUGCHK                   = 00000010
$$RMS_TBUGCHK                   = 00000008
$$RMS_UMODE                     = 00000004
..CNT                           = 000001C0
BUG$_RMSBUG                       ********    X   01
FTL$_BADORGCASE                 = FFFFFFFB
RM$BUG                            00000000 RG     01
RM$ERRORG                         00000024 RG     01
RMS$GL_VERSION                    00000000 RG     03
RMS$GQ_PATCH                      00000004 RG     03
RMS$_NORMAL                     = 00010001
RMS$_VERSION                    = 00000000  G
SYS$DELPRC                        ********  GX    01
TPT$L_ACCESS                    = 00000000  G
TPT$L_ASTDSA                    = 00000004  G
TPT$L_CLOSE                     = 00000008  G
TPT$L_COMCLNU                   = 0000000C  G
TPT$L_CONNECT                   = 00000010  G
TPT$L_CONNECT2                  = 00000014  G
TPT$L_CREATE                    = 00000018  G
TPT$L_CREATE1                   = 0000001C  G
TPT$L_CREATE2                   = 00000020  G
TPT$L_DEACCES                   = 00000024  G
TPT$L_DELETE                    = 00000028  G
TPT$L_DELETE2                   = 0000002C  G
TPT$L_DISCON0                   = 00000030  G
TPT$L_DISCON1                   = 00000034  G
TPT$L_DISCON2                   = 00000038  G
TPT$L_DISPLAY                   = 0000003C  G
TPT$L_ERASE                     = 00000040  G
TPT$L_EXTEND                    = 00000044  G
TPT$L_FCPEXT                    = 00000048  G
TPT$L_FCPFNC                    = 0000004C  G
TPT$L_FCPFNCA                   = 00000050  G
TPT$L_FIND                      = 00000054  G
TPT$L_FIND1                     = 00000058  G
TPT$L_FIND2                     = 0000005C  G
TPT$L_FLUSH                     = 00000060  G
TPT$L_FREE                      = 00000064  G
TPT$L_GET                       = 00000068  G
TPT$L_GET1                      = 0000006C  G
TPT$L_GET2                      = 00000070  G
TPT$L_GETBLKD                   = 00000074  G
TPT$L_INDPPF                    = 00000078  G
TPT$L_LOCK                      = 0000007C  G
TPT$L_MODIFY                    = 00000080  G
TPT$L_MODIFY2                   = 00000084  G
TPT$L_NTACC_DAP                 = 00000138  G
TPT$L_NTACC_NSP                 = 0000013C  G
TPT$L_NTCLOSE                   = 00000140  G
TPT$L_NTCONN                    = 00000144  G
TPT$L_NTCREATE                  = 00000148  G
TPT$L_NTDAP_DEC                 = 0000014C  G
TPT$L_NTDAP_ENC                 = 00000150  G
TPT$L_NTDAP_RCV                 = 00000154  G
TPT$L_NTDAP_XMT                 = 00000158  G
TPT$L_NTDEACCES                 = 0000015C  G
TPT$L_NTDELETE                  = 00000160  G
TPT$L_NTDISCON                  = 00000164  G
TPT$L_NTDISPLAY                 = 00000168  G
TPT$L_NTENTER                   = 0000016C  G
TPT$L_NTERASE                   = 00000170  G
TPT$L_NTEXTEND                  = 00000174  G
TPT$L_NTFIND                    = 00000178  G
TPT$L_NTFLUSH                   = 0000017C  G
TPT$L_NTFREE                    = 00000180  G
TPT$L_NTGET                     = 00000184  G
TPT$L_NTNXTVOL                  = 00000188  G
TPT$L_NTOPEN                    = 0000018C  G
TPT$L_NTPUT                     = 00000190  G
TPT$L_NTREAD                    = 00000194  G
TPT$L_NTRELEASE                 = 00000198  G
TPT$L_NTREMOVE                  = 0000019C  G
TPT$L_NTRENAME                  = 000001A0  G
TPT$L_NTREWIND                  = 000001A4  G
TPT$L_NTSEARCH                  = 000001A8  G
TPT$L_NTSPACE                   = 000001AC  G
TPT$L_NTTRUNC                   = 000001B0  G
TPT$L_NTUPDATE                  = 000001B4  G
TPT$L_NTWRITE                   = 000001B8  G
TPT$L_NTXLATLOG                 = 000001BC  G
TPT$L_NXTBLK1                   = 00000088  G
TPT$L_NXTVOL                    = 0000008C  G
TPT$L_OPEN                      = 00000090  G
TPT$L_OPEN1                     = 00000094  G
TPT$L_OPEN2                     = 00000098  G
TPT$L_PARSE                     = 0000009C  G
TPT$L_PARSES                    = 000000A0  G
TPT$L_PUT                       = 000000A4  G
TPT$L_PUT1                      = 000000A8  G
TPT$L_PUT2                      = 000000AC  G
TPT$L_PUTBLD                    = 000000B0  G
TPT$L_PUTREC1                   = 000000B4  G
TPT$L_PUTSET1                   = 000000B8  G
TPT$L_PUTSET2                   = 000000BC  G
TPT$L_QUERY_LCK                 = 000000C0  G
TPT$L_READ                      = 000000C4  G
TPT$L_REC_WAT                   = 000000C8  G
TPT$L_RELBLK1                   = 000000CC  G
TPT$L_RELEASE                   = 000000D0  G
TPT$L_RELEASE0                  = 000000D4  G
TPT$L_RENAME                    = 000000D8  G
TPT$L_REWIND                    = 000000DC  G
TPT$L_RUNDWN                    = 000000E0  G
TPT$L_SEARCH                    = 000000E4  G
TPT$L_SEQRD                     = 000000E8  G
TPT$L_SEQWTBD                   = 000000EC  G
TPT$L_SEQWTUR                   = 000000F0  G
TPT$L_SETDDIR                   = 000000F4  G
TPT$L_SETDFPROT                 = 000000F8  G
TPT$L_SETDID                    = 000000FC  G
TPT$L_SPACE                     = 00000100  G
```

```
TPT$L_STALAST                   = 00000104  G
TPT$L_STALL                     = 00000108  G
TPT$L_STALLAL                   = 0000010C  G
TPT$L_STALLLOCK                 = 00000110  G
TPT$L_TRUNCATE                  = 00000114  G
TPT$L_UPDATE                    = 00000118  G
TPT$L_UPDATE1                   = 0000011C  G
TPT$L_UPDATE2                   = 00000120  G
TPT$L_WAIT                      = 00000124  G
TPT$L_WRITE                     = 00000128  G
TPT$L_WTLST1                    = 0000012C  G
TPT$L_XLATLOG                   = 00000130  G
TPT$L_XPFN                      = 00000134  G
```

## Psect synopsis

| PSECT name | Allocation | PSECT No. | Attributes |
|---|---|---|---|
| . ABS . | 00000000 ( 0.) | 00 ( 0.) | NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE |
| RM$RMSO | 00000028 ( 40.) | 01 ( 1.) | PIC USR CON REL GBL NOSHR EXE RD NOWRT NOVEC QUAD |
| $ABS$ | 00000000 ( 0.) | 02 ( 2.) | NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE |
| _RMS$PATCH | 00000800 ( 2048.) | 03 ( 3.) | NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC PAGE |

## Performance indicators

| Phase | Page faults | CPU Time | Elapsed Time |
|---|---|---|---|
| Initialization | 29 | 00:00:00.10 | 00:00:01.20 |
| Command processing | 110 | 00:00:00.79 | 00:00:05.82 |
| Pass 1 | 198 | 00:00:04.17 | 00:00:14.42 |
| Symbol table sort | 0 | 00:00:00.44 | 00:00:00.74 |
| Pass 2 | 69 | 00:00:00.99 | 00:00:03.45 |
| Symbol table output | 16 | 00:00:00.11 | 00:00:00.11 |
| Psect synopsis output | 2 | 00:00:00.02 | 00:00:00.02 |
| Cross-reference output | 0 | 00:00:00.00 | 00:00:00.00 |
| Assembler run totals | 427 | 00:00:06.65 | 00:00:25.76 |

```
The working set limit was 1200 pages.
22029 bytes (44 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 389 non-local and 1 local symbols.
272 source lines were read in Pass 1, producing 20 object records in Pass 2.
15 pages of virtual memory were used to define 14 macros.
```

```
                          +---------------------------+
                          ! Macro library statistics !
                          +---------------------------+

Macro library name                          Macros defined
------------------                          --------------
_$255$DUA28:[RMS.OBJ]RMS.MLB;1                       4
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                       0
_$255$DUA28:[SYSLIB]STARLET.MLB;2                    5
TOTALS (all libraries)                               9

364 GETS were required to define 9 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:RMODUMMY/OBJ=OBJ$:RMODUMMY MSRC$:RMODUMMY/UPDATE=(ENH$:RMODUMMY)+EXECML$/LIB+LIB$:RMS/LIB
```

RM0EXTRMS
LIS

RM0DIRSCN
LIS

RM0CRECOM
LIS

RM0FABCHK
LIS

RM0CHKSUM
LIS

RM0FWASET
LIS

RM0EXTEND
LIS

RM0IFISI
LIS

RM0JOURNL
LIS

RM0FSETI
LIS

RM0FSET
LIS

RM0COMCLN
LIS

RM0DUMMY
LIS

RM0FILFNC
LIS