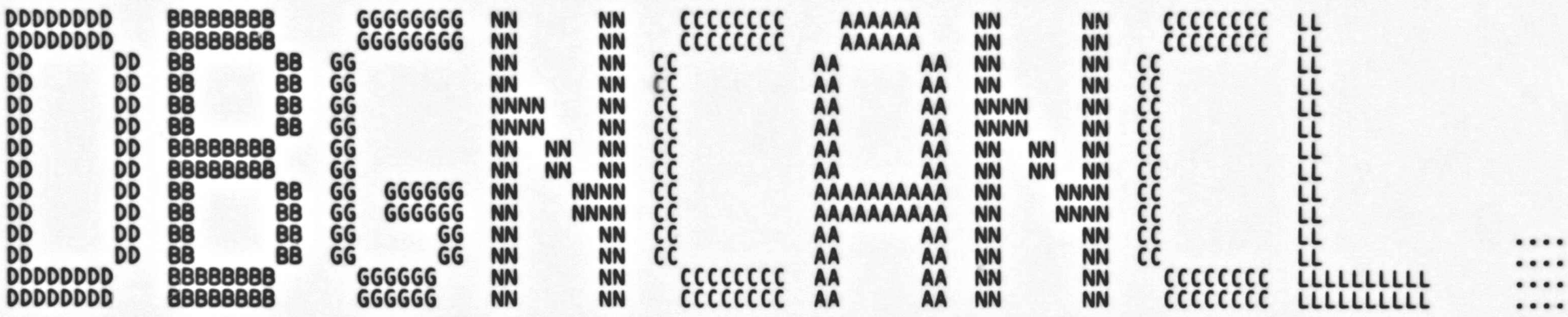
```
DDDDDDDDDDD     EEEEEEEEEEEEEEE  BBBBBBBBBBB      UUU         UUU     GGGGGGGGGGG
DDDDDDDDDDDD    EEEEEEEEEEEEEEE  BBBBBBBBBBBB     UUU         UUU     GGGGGGGGGGGG
DDDDDDDDDDDD    EEEEEEEEEEEEEEE  BBBBBBBBBBBB     UUU         UUU     GGGGGGGGGGGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG
DDD         DDD EEEEEEEEEEE      BBBBBBBBBBBB     UUU         UUU GGG
DDD         DDD EEEEEEEEEEE      BBBBBBBBBBBB     UUU         UUU GGG
DDD         DDD EEEEEEEEEEE      BBBBBBBBBBBB     UUU         UUU GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG    GGGGGGGGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG    GGGGGGGGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG    GGGGGGGGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG          GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG          GGG
DDD         DDD EEE              BBB         BBB  UUU         UUU GGG          GGG
DDDDDDDDDDDD    EEEEEEEEEEEEEEE  BBBBBBBBBBBB     UUUUUUUUUUUUUUUU    GGGGGGGGG
DDDDDDDDDDDD    EEEEEEEEEEEEEEE  BBBBBBBBBBBB     UUUUUUUUUUUUUUUU    GGGGGGGGG
DDDDDDDDDDDD    EEEEEEEEEEEEEEE  BBBBBBBBBBBB     UUUUUUUUUUUUUUUU    GGGGGGGGG
```

FILEID**DBGNCANCL



```
;     1          0001  0 MODULE DBGNCANCL (IDENT = 'V04-000') =
;     2          0002  0
;     3          0003  1 BEGIN
;     4          0004  1
;     5          0005  1 !
;     6          0006  1 !**********************************************************************
;     7          0007  1 !*                                                                    *
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;    25          0025  1 !*                                                                    *
;    26          0026  1 !*                                                                    *
;    27          0027  1 !**********************************************************************
;    28          0028  1 !
;    29          0029  1 !
;    30          0030  1 ! MODULE FUNCTION
;    31          0031  1 !       This module contains the command parse and execution networks for
;    32          0032  1 !       the CANCEL command.
;    33          0033  1 !
;    34          0034  1 ! AUTHOR:
;    35          0035  1 !       David Plummer
;    36          0036  1 !
;    37          0037  1 ! CREATION DATE:
;    38          0038  1 !       9-Jul-80
;    39          0039  1 !
;    40          0040  1 ! MODIFIED BY:
;    41          0041  1 !       Richard Title   16-Sep-81
;    42          0042  1 !
;    43          0043  1 ! REVISION HISTORY:
;    44          0044  1 !
;    45          0045  1 ! 3.01  16-SEP-81       RT      Implemented CANCEL SOURCE command
;    46          0046  1 ! 3.02  07-MAY-82       RT      Implemented CANCEL DEVELOPER
;    47          0047  1 !
;    48          0048  1
;    49          0049  1 REQUIRE 'SRC$:DBGPROLOG.REQ';
;    50          0183  1
;    51          0184  1 LIBRARY 'LIB$:DBGGEN.L32';
;    52          0185  1
;    53          0186  1 FORWARD ROUTINE
;    54          0187  1         DBG$NPARSE_CANCEL,              ! ATN parse network for CANCEL
;    55          0188  1         DBG$NEXECUTE_CANCEL;            ! Command execution network for CANCEL
```

```
;    57          0189  1 EXTERNAL ROUTINE
;    58          0190  1     DBG$EVENT_SHOW_CANCEL_SYNTAX,      ! Syntax for SHOW!CANCEL BREAK!TRACE!WATCH
;    59          0191  1     DBG$EVENT_SHOW_CANCEL_SEMANTICS,   ! Semantics for SHOW!CANCEL BREAK!TRACE!WATCH
;    60          0192  1     DBG$EVENT_CANCEL_ALL,              ! CANCEL/ALL eventpoints
;    61          0193  1     DBG$RST_SETSCOPE: NOVALUE,         ! Cancels (and sets) user scope
;    62          0194  1     DBG$RST_CANMOD,                    ! Cancels a module
;    63          0195  1     DBG$NSAVE_STRING,                  ! Saves a string form the input stream
;    64          0196  1     DBG$IS_IT_ENTRY,                   ! Returns true if address = entry point
;    65          0197  1     DBG$GET_TEMPMEM,                   ! Allocates dynamic listed storage
;    66          0198  1     DBG$SET_MOD_DEF,                   ! Resets mode level to default
;    67          0199  1     DBG$NGET_TRANS_RADIX,              ! Translate radix
;    68          0200  1     DBG$NMATCH,                        ! Matches counted strings to input
;    69          0201  1     DBG$SCR_EXECUTE_CANDISP_CMD:NOVALUE,! Execute the CANCEL DISPLAY command
;    70          0202  1     DBG$SCR_EXECUTE_CANWIND_CMD:NOVALUE,! Execute the CANCEL WINDOW command
;    71          0203  1     DBG$SCR_PARSE_CANDISP_CMD: NOVALUE,! Parse the CANCEL DISPLAY command
;    72          0204  1     DBG$SCR_PARSE_CANWIND_CMD: NOVALUE,! Parse the CANCEL WINDOW command
;    73          0205  1     DBG$SRC_CANCEL_SOURCE: NOVALUE,    ! Implements CANCEL SOURCE command
;    74          0206  1     DBG$STA_GETSOURCEMOD,              ! Looks up module rst pointer
;    75          0207  1     DBG$SET_STP_DEF: NOVALUE,          ! Sets default step
;    76          0208  1     DBG$NSYNTAX_ERROR,                 ! Formats a syntax error
;    77          0209  1     DBG$NNEXT_WORD,                    ! Returns the next word of input
;    78          0210  1     DBG$NPARSE_ADDRESS,                ! Obtains an address expression descriptor
;    79          0211  1     DBG$NSAVE_DECIMAL_INTEGER,         ! Parse an integer
;    80          0212  1     DBG$NMAKE_ARG_VECT;                ! Constructs a message argument vector
;    81          0213  1
;    82          0214  1 EXTERNAL
;    83          0215  1     DBG$GB_RADIX: VECTOR[3, BYTE],     ! Radix settings
;    84          0216  1     DBG$GL_DEVELOPER: BITVECTOR,       ! Developer switches
;    85          0217  1     DBG$GL_GBLTYP,                     ! Override type
;    86          0218  1     DBG$GW_GBLLNGTH: WORD,             ! Override length
;    87          0219  1     DBG$GL_DFLTTYP,                    ! Default type
;    88          0220  1     DBG$GW_DFLTLENG: WORD,             ! Default length
;    89          0221  1     DBG$RUNFRAME: BLOCK [,BYTE],       ! User runframe
;    90          0222  1     DBG$GB_RESIGNAL: BYTE,             ! Flag for resignaling exceptions
;    91          0223  1     DBG$GL_CONTEXT: BITVECTOR;         ! Context word
;    92          0224  1
;    93          0225  1 LITERAL
;    94          0226  1
;    95          0227  1     ! Legal verb composites
;    96          0228  1     !
;    97          0229  1     CANCEL_MINIMUM                = 1,
;    98          0230  1     CANCEL_ALL                    = 1,
;    99          0231  1     CANCEL_BREAK                  = 2,    ! Also EVENT$K_CANCEL_BREAK
;   100          0232  1     CANCEL_BREAK_ALL              = 3,
;   101          0233  1     CANCEL_EXCEPTION_BREAK        = 4,    ! Also EVENT$K_CANCEL_BREAK_EXC
;   102          0234  1     CANCEL_MODE                   = 5,
;   103          0235  1     CANCEL_MODULE                 = 6,
;   104          0236  1     CANCEL_MODULE_ALL             = 7,
;   105          0237  1     CANCEL_RADIX                  = 20,
;   106          0238  1     CANCEL_RADIX_OVERRIDE         = 21,
;   107          0239  1     CANCEL_SCOPE                  = 8,
;   108          0240  1     CANCEL_TRACE                  = 9,    ! Also EVENT$K_CANCEL_TRACE
;   109          0241  1     CANCEL_TRACE_CALLS            = 10,
;   110          0242  1     CANCEL_TRACE_BRANCH           = 11,
;   111          0243  1     CANCEL_TRACE_ALL              = 12,
;   112          0244  1     CANCEL_TYPE_OVERRIDE          = 13,
;   113          0245  1     CANCEL_WATCH                  = 14,   ! Also EVENT$K_CANCEL_WATCH
```

```
;  114          0246  1     CANCEL_WATCH_ALL          = 15,
;  115          0247  1     CANCEL_SOURCE             = 16,
;  116          0248  1     CANCEL_DEVELOPER          = 17,
;  117          0249  1     CANCEL_DISPLAY            = 18,
;  118          0250  1     CANCEL_WINDOW             = 19,
;  119          0251  1     CANCEL_MAXIMUM            = 21;
```

```
;  121     0252  1 GLOBAL ROUTINE DBG$NPARSE_CANCEL (INPUT_DESC, VERB_NODE, MESSAGE_VECT) =
;  122     0253  1
;  123     0254  1 !++
;  124     0255  1 ! FUNCTIONAL DESCRIPTION:
;  125     0256  1 !
;  126     0257  1 !       This routine comprises the ATN parse network for the CANCEL verb.
;  127     0258  1 !       A command execution tree is constructed during the parsing process
;  128     0259  1 !       which is used as input to the command execution network following
;  129     0260  1 !       a complete and successful parse. Upon detection a a syntax error,
;  130     0261  1 !       a message argument vector is constructed and returned.
;  131     0262  1 !
;  132     0263  1 ! FORMAL PARAMETERS:
;  133     0264  1 !
;  134     0265  1 !       INPUT_DESC      - A longword containing the address of a standard
;  135     0266  1 !                         ASCII string descriptor corresponding to the input
;  136     0267  1 !                         command
;  137     0268  1 !
;  138     0269  1 !       VERB_NODE       - A longword containing the address of the command
;  139     0270  1 !                         verb node which is the head node of the command
;  140     0271  1 !                         execution tree
;  141     0272  1 !
;  142     0273  1 !       MESSAGE_VECT    - The address of a longword to contain the address of
;  143     0274  1 !                         a standard message argument vector upon detection of
;  144     0275  1 !                         errors
;  145     0276  1 !
;  146     0277  1 ! IMPLICIT INPUTS:
;  147     0278  1 !
;  148     0279  1 !       NONE
;  149     0280  1 !
;  150     0281  1 ! IMPLICIT OUTPUTS:
;  151     0282  1 !
;  152     0283  1 !       The command execution tree corresponding to the input command is constructed
;  153     0284  1 !       on success.
;  154     0285  1 !
;  155     0286  1 !       On failure, a message argument vector is constructed and returned.
;  156     0287  1 !
;  157     0288  1 ! ROUTINE VALUE:
;  158     0289  1 !
;  159     0290  1 !       An unsigned integer longword completion code
;  160     0291  1 !
;  161     0292  1 ! COMPLETION CODES:
;  162     0293  1 !
;  163     0294  1 !       STS$K_SUCCESS (1)       - Success. Command parsed and execution tree made.
;  164     0295  1 !
;  165     0296  1 !       STS$K_SEVERE  (4)       - Failure. No tree constructed. Message argument
;  166     0297  1 !                                 vector constructed and returned.
;  167     0298  1 !
;  168     0299  1 ! SIDE EFFECTS:
;  169     0300  1 !
;  170     0301  1 !       NONE
;  171     0302  1 !
;  172     0303  1 !--
;  173     0304  1
;  174     0305  2     BEGIN
;  175     0306  2
;  176     0307  2     MAP
;  177     0308  2         VERB_NODE: REF DBG$VERB_NODE;   ! Pointer to command Verb Node
```

```
;  178     0309  2
;  179     0310  2      ! Define strings used at this level of parsing
;  180     0311  2      !
;  181     0312  2      BIND
;  182     0313  2          DBG$CS_ALL              = UPLIT BYTE (%ASCIC 'ALL'),
;  183     0314  2          DBG$CS_BREAK            = UPLIT BYTE (%ASCIC 'BREAK'),
;  184     0315  2          DBG$CS_DEVELOPER        = UPLIT BYTE (%ASCIC 'DEVELOPER'),
;  185     0316  2          DBG$CS_DISPLAY          = UPLIT BYTE (%ASCIC 'DISPLAY'),
;  186     0317  2          DBG$CS_EXCEPTION        = UPLIT BYTE (%ASCIC 'EXCEPTION'),
;  187     0318  2          DBG$CS_MODE             = UPLIT BYTE (%ASCIC 'MODE'),
;  188     0319  2          DBG$CS_MODULE           = UPLIT BYTE (%ASCIC 'MODULE'),
;  189     0320  2          DBG$CS_RADIX            = UPLIT BYTE (%ASCIC 'RADIX'),
;  190     0321  2          DBG$CS_SCOPE            = UPLIT BYTE (%ASCIC 'SCOPE'),
;  191     0322  2          DBG$CS_SOURCE           = UPLIT BYTE (%ASCIC 'SOURCE'),
;  192     0323  2          DBG$CS_TRACE            = UPLIT BYTE (%ASCIC 'TRACE'),
;  193     0324  2          DBG$CS_TYPE             = UPLIT BYTE (%ASCIC 'TYPE'),
;  194     0325  2          DBG$CS_WATCH            = UPLIT BYTE (%ASCIC 'WATCH'),
;  195     0326  2          DBG$CS_WINDOW           = UPLIT BYTE (%ASCIC 'WINDOW'),
;  196     0327  2          DBG$CS_EQUAL            = UPLIT BYTE (%ASCIC '='),
;  197     0328  2          DBG$CS_SLASH            = UPLIT BYTE (%ASCIC '/'),
;  198     0329  2          DBG$CS_COMMA            = UPLIT BYTE (%ASCIC ','),
;  199     0330  2          DBG$CS_CR               = UPLIT BYTE (1, dbg$k_car_return);
;  200     0331  2
;  201     0332  2      LOCAL
;  202     0333  2          STATUS,                             ! Holds routine's return status
;  203     0334  2          NOUN_NODE: REF DBG$NOUN_NODE;       ! Noun node of command execution tree
;  204     0335  2
;  205     0336  2
;  206     0337  2
;  207     0338  2      ! Create and link a noun node. Note that the noun node will not
;  208     0339  2      ! be used for certain commands like CANCEL BREAK/ALL.
;  209     0340  2      !
;  210     0341  2      noun_node = dbg$get_tempmem (dbg$k_noun_node_size);
;  211     0342  2      verb_node [dbg$l_verb_object_ptr] = .noun_node;
;  212     0343  2
;  213     0344  2
;  214     0345  2      ! Parse the next keyword and transfer control to a subnetwork
;  215     0346  2      !
;  216     0347  2      SELECTONE TRUE OF
;  217     0348  2          SET
;  218     0349  2
;  219     0350  2          [dbg$nmatch (.input_desc, dbg$cs_all, 1)] :     ! Cancel all
;  220     0351  3              BEGIN
;  221     0352  3              verb_node [dbg$b_verb_composite] = cancel_all;
;  222     0353  3              END;
;  223     0354  2
;  224     0355  2          [dbg$nmatch (.input_desc, dbg$cs_break, 1)] :   ! CANCEL BREAK
;  225     0356  3              BEGIN
;  226     0357  3              VERB_NODE [DBG$B_VERB_COMPOSITE] = EVENT$K_CANCEL_BREAK;
;  227     0358  3              RETURN DBG$EVENT_SHOW_CANCEL_SYNTAX (.INPUT_DESC,
;  228     0359  3                                                   .VERB_NODE,
;  229     0360  3                                                   .MESSAGE_VECT
;  230     0361  3                                                  );
;  231     0362  3              END;
;  232     0363  2
;  233     0364  2          [dbg$nmatch (.input_desc, dbg$cs_developer, 9)] :       ! Set Developer
;  234     0365  3              BEGIN
```

```
;  235          0366  3          LOCAL
;  236          0367  3              link;
;  237          0368  3
;  238          0369  3          verb_node [dbg$b_verb_composite] = cancel_developer;
;  239          0370  3          link = verb_node[dbg$l_verb_object_ptr];
;  240          0371  3          IF NOT dbg$nmatch(.input_desc, dbg$cs_cr, 1)
;  241          0372  3          THEN
;  242          0373  4              BEGIN
;  243          0374  4              WHILE true DO
;  244          0375  5                  BEGIN
;  245          0376  5                  IF NOT dbg$nsave_decimal_integer(.input_desc, noun_node[dbg$l_noun_value],
;  246          0377  5                                                   .message_vect)
;  247          0378  5                  THEN
;  248          0379  5                      RETURN sts$k_severe;
;  249          0380  5
;  250          0381  5                  IF (.noun_node[dbg$l_noun_value] LSS 0) OR
;  251          0382  6                     (.noun_node[dbg$l_noun_value] GTR 31)
;  252          0383  5                  THEN
;  253          0384  6                      BEGIN
;  254          0385  6                      .message_vect = dbg$nmake_arg_vect(dbg$_bitrange);
;  255          0386  6                      RETURN sts$k_severe;
;  256          0387  5                      END;
;  257          0388  5
;  258          0389  5                  link = noun_node[dbg$l_noun_link];
;  259          0390  5                  IF NOT dbg$nmatch(.input_desc, dbg$cs_comma, 1)
;  260          0391  5                  THEN
;  261          0392  6                      BEGIN
;  262          0393  6                      IF NOT dbg$nmatch(.input_desc, dbg$cs_cr, 1)
;  263          0394  6                      THEN
;  264          0395  7                          BEGIN
;  265          0396  7                          .message_vect = dbg$nsyntax_error(dbg$nnext_word(.input_desc));
;  266          0397  7                          RETURN sts$k_severe;
;  267          0398  7                          END
;  268          0399  7
;  269          0400  6                      ELSE
;  270          0401  6                          EXITLOOP;
;  271          0402  6
;  272          0403  5                      END;
;  273          0404  5
;  274          0405  5                  noun_node = dbg$get_tempmem (dbg$k_noun_node_size);
;  275          0406  5                  .link = .noun_node;
;  276          0407  4                  END;                            ! End of WHILE loop.
;  277          0408  4
;  278          0409  3              END;
;  279          0410  3
;  280          0411  3              .link = 0;
;  281          0412  3
;  282          0413  2          END;
;  283          0414  2
;  284          0415  2
;  285          0416  2          ! Parse the CANCEL DISPLAY command.
;  286          0417  2          !
;  287          0418  2          [DBG$NMATCH(.INPUT_DESC, DBG$CS_DISPLAY, 3)]:
;  288          0419  3              BEGIN
;  289          0420  3              VERB_NODE[DBG$B_VERB_COMPOSITE] = CANCEL_DISPLAY;
;  290          0421  3              DBG$SCR_PARSE_CANDISP_CMD(.INPUT_DESC, .VERB_NODE);
;  291          0422  2              END;
```

```
;  292     0423  2
;  293     0424  2
;  294     0425  2          ! Parse the CANCEL EXCEPTION BREAK command.
;  295     0426  2          !
;  296     0427  2          [dbg$nmatch (.input_desc, dbg$cs_exception, 1)] : ! CANCEL EXCEPTION BREAK
;  297     0428  3              BEGIN
;  298     0429  3
;  299     0430  3              ! We look for BREAK
;  300     0431  3              !
;  301     0432  3              IF NOT dbg$nmatch (.input_desc, dbg$cs_break, 1)
;  302     0433  3              THEN
;  303     0434  4                  BEGIN
;  304     0435  4                  .message_vect =
;  305     0436  5                  (
;  306     0437  5                   IF dbg$nmatch (.input_desc, dbg$cs_cr, 1)
;  307     0438  5                   THEN
;  308     0439  5                       dbg$nmake_arg_vect (dbg$_needmore)
;  309     0440  5                   ELSE
;  310     0441  5                       dbg$nsyntax_error (dbg$nnext_word (.input_desc))
;  311     0442  4                  );
;  312     0443  4                  RETURN sts$k_severe;
;  313     0444  4                  END;
;  314     0445  3
;  315     0446  3              verb_node [dbg$b_verb_composite] = cancel_exception_break;
;  316     0447  3
;  317     0448  3
;  318     0449  3              ! Reset the noun and adverb pointers.
;  319     0450  3              !
;  320     0451  3              verb_node [dbg$l_verb_object_ptr] = 0;
;  321     0452  3              verb_node [dbg$l_verb_adverb_ptr] = 0;
;  322     0453  3              END;
;  323     0454  2
;  324     0455  2          [dbg$nmatch (.input_desc, dbg$cs_mode, 1)] :    ! CANCEL MODE
;  325     0456  3              BEGIN
;  326     0457  3              verb_node [dbg$b_verb_composite] = cancel_mode;
;  327     0458  2              END;
;  328     0459  2
;  329     0460  2          [dbg$nmatch (.input_desc, dbg$cs_module, 4)] :  ! CANCEL MODULE
;  330     0461  3              BEGIN
;  331     0462  3
;  332     0463  3              ! Check for CANCEL MODULE/ALL
;  333     0464  3              !
;  334     0465  3              IF dbg$nmatch (.input_desc, dbg$cs_slash, 1)
;  335     0466  3              THEN
;  336     0467  4                  BEGIN
;  337     0468  4                  BIND
;  338     0469  4                      DBG$CS_ALL = UPLIT BYTE (3, 'ALL');
;  339     0470  4
;  340     0471  4                  IF NOT dbg$nmatch (.input_desc, dbg$cs_all, 1)
;  341     0472  4                  THEN
;  342     0473  5                      BEGIN
;  343     0474  5                      .message_vect =
;  344     0475  6                      (IF dbg$nmatch (.input_desc, dbg$cs_cr, 1)
;  345     0476  6                       THEN
;  346     0477  6                           dbg$nmake_arg_vect (dbg$_needmore)
;  347     0478  6                       ELSE
;  348     0479  5                           dbg$nsyntax_error (dbg$nnext_word (.input_desc)));
```

```
;  349          0480  5                RETURN sts$k_severe;
;  350          0481  4                END;
;  351          0482  4
;  352          0483  4            verb_node [dbg$b_verb_composite] = cancel_module_all;
;  353          0484  4            END
;  354          0485  4
;  355          0486  3        ELSE
;  356          0487  4            BEGIN
;  357          0488  4
;  358          0489  4            ! We have a module name list to parse
;  359          0490  4            !
;  360          0491  4            BIND
;  361          0492  4                DBG$CS_COMMA = UPLIT BYTE (1, dbg$k_comma);
;  362          0493  4            LOCAL
;  363          0494  4                LINK;                   ! Temporary pointer
;  364          0495  4
;  365          0496  4            ! Accept strings and commas
;  366          0497  4            !
;  367          0498  4            WHILE true
;  368          0499  4            DO
;  369          0500  5                BEGIN
;  370          0501  5
;  371          0502  5                IF NOT DBG$NSAVE_STRING  (.input_desc,
;  372          0503  5                                          noun_node [dbg$l_noun_value],
;  373          0504  5                                          .message_vect)
;  374          0505  5                THEN
;  375          0506  5                    RETURN sts$k_severe;
;  376          0507  5
;  377          0508  5
;  378          0509  5                ! Check for a comma
;  379          0510  5                !
;  380          0511  5                IF NOT dbg$nmatch (.input_desc, dbg$cs_comma, 1)
;  381          0512  5                THEN
;  382          0513  5                    EXITLOOP;
;  383          0514  5
;  384          0515  5
;  385          0516  5                ! Create a new noun node to hold the next string
;  386          0517  5                !
;  387          0518  5                link = noun_node [dbg$l_noun_link];
;  388          0519  5                noun_node = dbg$get_tempmem (dbg$k_noun_node_size);
;  389          0520  5                .link = .noun_node;
;  390          0521  5
;  391          0522  4                END;        ! End of loop
;  392          0523  4
;  393          0524  4
;  394          0525  4            ! Place a zero in the last link field
;  395          0526  4            !
;  396          0527  4            noun_node [dbg$l_noun_link] = 0;
;  397          0528  4
;  398          0529  4            verb_node [dbg$b_verb_composite] = cancel_module;
;  399          0530  4
;  400          0531  3            END;
;  401          0532  3
;  402          0533  2        END;
;  403          0534  2
;  404          0535  2    [dbg$nmatch (.input_desc, dbg$cs_radix, 1)]:
;  405          0536  3        BEGIN
```

```
;  406     0537  3              BIND
;  407     0538  3                  DBG$CS_OVERRIDE = UPLIT BYTE (8, 'OVERRIDE');
;  408     0539  3
;  409     0540  3              verb_node[dbg$b_verb_composite] = cancel_radix;
;  410     0541  3
;  411     0542  3              ! Look for the /
;  412     0543  3              !
;  413     0544  3              IF dbg$nmatch (.input_desc, dbg$cs_slash, 1)
;  414     0545  3              THEN
;  415     0546  4                  BEGIN
;  416     0547  4
;  417     0548  4                  ! Look for 'override'
;  418     0549  4                  !
;  419     0550  4                  IF NOT dbg$nmatch (.input_desc, dbg$cs_override, 1)
;  420     0551  4                  THEN
;  421     0552  5                      BEGIN
;  422     0553  5                      .message_vect =
;  423     0554  6                          (IF dbg$nmatch (.input_desc, dbg$cs_cr, 1)
;  424     0555  6                           THEN
;  425     0556  6                               dbg$nmake_arg_vect (dbg$_needmore)
;  426     0557  6                           ELSE
;  427     0558  5                      dbg$nsyntax_error (dbg$nnext_word (.input_desc)));
;  428     0559  5                      RETURN sts$k_severe;
;  429     0560  4                      END;
;  430     0561  4
;  431     0562  4                  verb_node [dbg$b_verb_composite] = cancel_radix_override;
;  432     0563  3                  END;
;  433     0564  2              END;
;  434     0565  2
;  435     0566  2          [dbg$nmatch (.input_desc, dbg$cs_scope, 1)] :
;  436     0567  3              BEGIN
;  437     0568  3              verb_node [dbg$b_verb_composite] = cancel_scope;
;  438     0569  2              END;
;  439     0570  2
;  440     0571  2          [dbg$nmatch (.input_desc, dbg$cs_source, 2)] :
;  441     0572  3              BEGIN
;  442     0573  3              verb_node[dbg$b_verb_composite] = cancel_source;
;  443     0574  3
;  444     0575  3              ! Check for CANCEL SOURCE/MODULE=modname
;  445     0576  3              !
;  446     0577  3              IF dbg$nmatch (.input_desc, dbg$cs_slash, 1)
;  447     0578  3              THEN
;  448     0579  4                  BEGIN
;  449     0580  4                  LOCAL
;  450     0581  4                      modnameptr;
;  451     0582  4                  BIND
;  452     0583  4                      dbg$cs_module = UPLIT BYTE (6, 'MODULE');
;  453     0584  4
;  454     0585  4                  ! Read the string MODULE
;  455     0586  4                  !
;  456     0587  4                  IF NOT dbg$nmatch (.input_desc, dbg$cs_module, 4)
;  457     0588  4                  THEN
;  458     0589  5                      BEGIN
;  459     0590  5                      .message_vect = dbg$nsyntax_error(
;  460     0591  5                          dbg$nnext_word(.input_desc));
;  461     0592  5                      RETURN sts$k_severe;
;  462     0593  4                      END;
```

```
;  463          0594  4
;  464          0595  4                    ! Read the = sign
;  465          0596  4
;  466          0597  4                    IF NOT dbg$nmatch (.input_desc, dbg$cs_equal, 1)
;  467          0598  4                    THEN
;  468          0599  5                        BEGIN
;  469          0600  5                        .message_vect = dbg$nsyntax_error(
;  470          0601  5                            dbg$nnext_word(.input_desc));
;  471          0602  5                        RETURN sts$k_severe;
;  472          0603  4                        END;
;  473          0604  4
;  474          0605  4                    ! Read the module name
;  475          0606  4
;  476          0607  4                    IF NOT dbg$nsave_string (.input_desc,
;  477          0608  4                        modnameptr, .message_vect)
;  478          0609  4                    THEN
;  479          0610  4                        RETURN sts$k_severe;
;  480          0611  4
;  481          0612  4                    ! Convert the module name into an rst pointer
;  482          0613  4
;  483          0614  4                    noun_node[dbg$l_noun_value] =
;  484          0615  4                        dbg$sta_getsourcemod(.modnameptr);
;  485          0616  4
;  486          0617  4                    ! If the above routine returns zero then the user has
;  487          0618  4                    ! entered an invalid module name.
;  488          0619  4
;  489          0620  4                    IF .noun_node[dbg$l_noun_value] EQL 0
;  490          0621  4                    THEN
;  491          0622  5                        BEGIN
;  492          0623  5                        .message_vect = dbg$nmake_arg_vect(
;  493          0624  5                            dbg$_nosuchmodu, 1, .modnameptr);
;  494          0625  5                        RETURN sts$k_severe;
;  495          0626  4                        END;
;  496          0627  4
;  497          0628  4                        END ! CANCEL SOURCE/MODULE=modname
;  498          0629  4
;  499          0630  3                    ELSE ! the user has just entered CANCEL SOURCE
;  500          0631  3
;  501          0632  3                        noun_node[dbg$l_noun_value] = 0;
;  502          0633  3
;  503          0634  2                    END; ! CANCEL SOURCE
;  504          0635  2
;  505          0636  2                [dbg$nmatch (.input_desc, dbg$cs_trace, 1)] :    ! CANCEL TRACE
;  506          0637  2                    BEGIN
;  507          0638  2                    VERB_NODE [DBG$B_VERB_COMPOSITE] = EVENT$K_CANCEL_TRACE;
;  508          0639  2                    RETURN DBG$EVENT_SHOW_CANCEL_SYNTAX (.INPUT_DESC,
;  509          0640  2                                                         .VERB_NODE,
;  510          0641  2                                                         .MESSAGE_VECT
;  511          0642  2                                                        );
;  512          0643  2                    END;
;  513          0644  2
;  514          0645  2                [dbg$nmatch (.input_desc, dbg$cs_type, 2)] :     ! CANCEL TYPE/OVERRIDE
;  515          0646  2                    BEGIN
;  516          0647  2                    BIND
;  517          0648  2                        DBG$CS_OVERRIDE = UPLIT BYTE (8, 'OVERRIDE');
;  518          0649  2
;  519          0650  3                    ! Look for the /
```

```
;  520          0651  3          !
;  521          0652  3          IF NOT dbg$nmatch (.input_desc, dbg$cs_slash, 1)
;  522          0653  3          THEN
;  523          0654  4              BEGIN
;  524          0655  4              .message_vect =
;  525          0656  5              (IF dbg$nmatch (.input_desc, dbg$cs_cr, 1)
;  526          0657  5              THEN
;  527          0658  5                  dbg$nmake_arg_vect (dbg$_needmore)
;  528          0659  5              ELSE
;  529          0660  4                  dbg$nsyntax_error (dbg$nnext_word (.input_desc)));
;  530          0661  4              RETURN sts$k_severe;
;  531          0662  3              END;
;  532          0663  3
;  533          0664  3
;  534          0665  3          ! Look for 'override'
;  535          0666  3          !
;  536          0667  3          IF NOT dbg$nmatch (.input_desc, dbg$cs_override, 1)
;  537          0668  3          THEN
;  538          0669  4              BEGIN
;  539          0670  4              .message_vect =
;  540          0671  5              (IF dbg$nmatch (.input_desc, dbg$cs_cr, 1)
;  541          0672  5              THEN
;  542          0673  5                  dbg$nmake_arg_vect (dbg$_needmore)
;  543          0674  5              ELSE
;  544          0675  4                  dbg$nsyntax_error (dbg$nnext_word (.input_desc)));
;  545          0676  4              RETURN sts$k_severe;
;  546          0677  3              END;
;  547          0678  3
;  548          0679  3          verb_node [dbg$b_verb_composite] = cancel_type_override;
;  549          0680  2              END;
;  550          0681  2
;  551          0682  2          [dbg$nmatch (.input_desc, dbg$cs_watch, 1)] :   ! CANCEL WATCH
;  552          0683  3              BEGIN
;  553          0684  3              VERB_NODE [DBG$B_VERB_COMPOSITE] = EVENT$K_CANCEL_WATCH;
;  554          0685  3              RETURN DBG$EVENT_SHOW_CANCEL_SYNTAX (.INPUT_DESC,
;  555          0686  3                                                   .VERB_NODE,
;  556          0687  3                                                   .MESSAGE_VECT
;  557          0688  3                                                  );
;  558          0689  2              END;
;  559          0690  2
;  560          0691  2          ! Parse the CANCEL WINDOW command.
;  561          0692  2          !
;  562          0693  2          [DBG$NMATCH(.INPUT_DESC, DBG$CS_WINDOW, 3)]:
;  563          0694  3              BEGIN
;  564          0695  3              VERB_NODE[DBG$B_VERB_COMPOSITE] = CANCEL_WINDOW;
;  565          0696  3              DBG$SCR_PARSE_CANWIND_CMD(.INPUT_DESC, .VERB_NODE);
;  566          0697  2              END;
;  567          0698  2
;  568          0699  2
;  569          0700  2          ! Any other CANCEL command constitutes a syntax error.
;  570          0701  2          !
;  571          0702  2          [OTHERWISE] :   ! Syntax error
;  572          0703  3              BEGIN
;  573          0704  3              .message_vect =
;  574          0705  4              (
;  575          0706  4               IF dbg$nmatch (.input_desc, dbg$cs_cr, 1)
;  576          0707  4               THEN
```

```
;  577          0708  4                  dbg$nmake_arg_vect (dbg$_needmore)
;  578          0709  4              ELSE
;  579          0710  4                  dbg$nsyntax_error (dbg$nnext_word (.input_desc))
;  580          0711  3              );
;  581          0712  3              RETURN sts$k_severe;
;  582          0713  2              END;
;  583          0714  2
;  584          0715  2          TES;
;  585          0716  2
;  586          0717  2      RETURN STS$K_SUCCESS;
;  587          0718  2
;  588          0719  1      END;
```

```
                                                                .TITLE  DBGNCANCL
                                                                .IDENT  \V04-000\

                                                                .PSECT  DBG$PLIT,NOWRT,  SHR,  PIC,0

                                                 4C  4C  41  03  00000 P.AAA:    .ASCII  <3>\ALL\
                                             4B  41  45  52  42  05  00004 P.AAB:    .ASCII  <5>\BREAK\
                                 52  45  50  4F  4C  45  56  45  44  09  0000A P.AAC:    .ASCII  <9>\DEVELOPER\
                                         59  41  4C  50  53  49  44  07  00014 P.AAD:    .ASCII  <7>\DISPLAY\
                                 4E  4F  49  54  50  45  43  58  45  09  0001C P.AAE:    .ASCII  <9>\EXCEPTION\
                                             45  44  4F  4D  04  00026 P.AAF:    .ASCII  <4>\MODE\
                                         45  4C  55  44  4F  4D  06  0002B P.AAG:    .ASCII  <6>\MODULE\
                                             58  49  44  41  52  05  00032 P.AAH:    .ASCII  <5>\RADIX\
                                             45  50  4F  43  53  05  00038 P.AAI:    .ASCII  <5>\SCOPE\
                                         45  43  52  55  4F  53  06  0003E P.AAJ:    .ASCII  <6>\SOURCE\
                                             45  43  41  52  54  05  00045 P.AAK:    .ASCII  <5>\TRACE\
                                             45  50  59  54  04  0004B P.AAL:    .ASCII  <4>\TYPE\
                                             48  43  54  41  57  05  00050 P.AAM:    .ASCII  <5>\WATCH\
                                     57  4F  44  4E  49  57  06  00056 P.AAN:    .ASCII  <6>\WINDOW\
                                                         3D  01  0005D P.AAO:    .ASCII  <1>\=\
                                                         2F  01  0005F P.AAP:    .ASCII  <1>\/\
                                                         2C  01  00061 P.AAQ:    .ASCII  <1>\,\
                                                         0D  01  00063 P.AAR:    .BYTE   1, 13
                                                         03  00065 P.AAS:    .BYTE   3
                                                 4C  4C  41  00066               .ASCII  \ALL\
                                                         2C  01  00069 P.AAT:    .BYTE   1, 44
                                                         08  0006B P.AAU:    .BYTE   8
                             45  44  49  52  52  45  56  4F  0006C               .ASCII  \OVERRIDE\
                                                         06  00074 P.AAV:    .BYTE   6
                                     45  4C  55  44  4F  4D  00075               .ASCII  \MODULE\
                                                         08  0007B P.AAW:    .BYTE   8
                             45  44  49  52  52  45  56  4F  0007C               .ASCII  \OVERRIDE\
```

```
DBG$CS_ALL=             P.AAA
DBG$CS_BREAK=           P.AAB
DBG$CS_DEVELOPER=       P.AAC
DBG$CS_DISPLAY=         P.AAD
DBG$CS_EXCEPTION=       P.AAE
DBG$CS_MODE=            P.AAF
DBG$CS_MODULE=          P.AAG
DBG$CS_RADIX=           P.AAH
DBG$CS_SCOPE=           P.AAI
DBG$CS_SOURCE=          P.AAJ
```

```
                        DBG$CS_TRACE=       P.AAK
                        DBG$CS_TYPE=        P.AAL
                        DBG$CS_WATCH=       P.AAM
                        DBG$CS_WINDOW=      P.AAN
                        DBG$CS_EQUAL=       P.AAO
                        DBG$CS_SLASH=       P.AAP
                        DBG$CS_COMMA=       P.AAQ
                        DBG$CS_CR=          P.AAR
                        DBG$CS_ALL=         P.AAS
                        DBG$CS_COMMA=       P.AAT
                        DBG$CS_OVERRIDE=    P.AAU
                        DBG$CS_MODULE=      P.AAV
                        DBG$CS_OVERRIDE=    P.AAW
                                .EXTRN  DBG$EVENT_SHOW_CANCEL_SYNTAX
                                .EXTRN  DBG$EVENT_SHOW_CANCEL_SEMANTICS
                                .EXTRN  DBG$EVENT_CANCEL_ALL
                                .EXTRN  DBG$RST_SETSCOPE
                                .EXTRN  DBG$RST_CANMOD, DBG$NSAVE_STRING
                                .EXTRN  DBG$IS_IT_ENTRY
                                .EXTRN  DBG$GET_TEMPMEM
                                .EXTRN  DBG$SET_MOD_DEF
                                .EXTRN  DBG$NGET_TRANS_RADIX
                                .EXTRN  DBG$NMATCH, DBG$SCR_EXECUTE_CANDISP_CMD
                                .EXTRN  DBG$SCR_EXECUTE_CANWIND_CMD
                                .EXTRN  DBG$SCR_PARSE_CANDISP_CMD
                                .EXTRN  DBG$SCR_PARSE_CANWIND_CMD
                                .EXTRN  DBG$SRC_CANCEL_SOURCE
                                .EXTRN  DBG$STA_GETSOURCEMOD
                                .EXTRN  DBG$SET_STP_DEF
                                .EXTRN  DBG$NSYNTAX_ERROR
                                .EXTRN  DBG$NNEXT_WORD, DBG$NPARSE_ADDRESS
                                .EXTRN  DBG$NSAVE_DECIMAL_INTEGER
                                .EXTRN  DBG$NMAKE_ARG_VECT
                                .EXTRN  DBG$GB_RADIX, DBG$GL_DEVELOPER
                                .EXTRN  DBG$GL_GBLTYP, DBG$GW_GBLLNGTH
                                .EXTRN  DBG$GL_DFLTTYP, DBG$GW_DFLTLENG
                                .EXTRN  DBG$RUNFRAME, DBG$GB_RESIGNAL
                                .EXTRN  DBG$GL_CONTEXT

                                .PSECT  DBG$CODE,NOWRT,  SHR,  PIC,0

                        07FC 00000      .ENTRY  DBG$NPARSE_CANCEL, Save R2,R3,R4,R5,R6,R7,- ; 0252
                                                R8,R9,R10
                5A 00000000G    00  9E 00002  MOVAB   DBG$NMAKE_ARG_VECT, R10                ;
                59 00000000G    00  9E 00009  MOVAB   DBG$NSAVE_STRING, R9                   ;
                58 00000000G    00  9E 00010  MOVAB   DBG$GET_TEMPMEM, R8                    ;
                57 00000000G    00  9E 00017  MOVAB   DBG$NMATCH, R7                         ;
                56 00000000'    EF  9E 0001E  MOVAB   DBG$CS_SLASH, R6                       ;
                5E                  04  C2 00025  SUBL2   #4, SP                           ;
                                    04  DD 00028  PUSHL   #4                               ; 0341
                68                  01  FB 0002A  CALLS   #1, DBG$GET_TEMPMEM              ;
                54                  50  D0 0002D  MOVL    R0, NOUN_NODE                    ;
                52              04  AC  7D 00030  MOVQ    INPUT_DESC, R2                   ; 0350
          08    A3                  54  D0 00034  MOVL    NOUN_NODE, 8(R3)                 ; 0342
                                    01  DD 00038  PUSHL   #1                               ; 0350
                                A1  A6  9F 0003A  PUSHAB  DBG$CS_ALL                       ;
                                    52  DD 0003D  PUSHL   R2                              ;
```

```
                    67           03  FB 0003F          CALLS   #3, DBG$NMATCH                                  ;
                    01           50  D1 00042          CMPL    R0, #1                                         ;
                                 07  12 00045          BNEQ    1$                                             ;
                 01 A3           01  90 00047          MOVB    #1, 1(R3)                                      ; 0352
                              02B7  31 0004B          BRW     43$                                            ; 0347
                                 01  DD 0004E 1$:      PUSHL   #1                                             ; 0355
                             A5  A6  9F 00050          PUSHAB  DBG$CS_BREAK                                   ;
                                 52  DD 00053          PUSHL   R2                                             ;
                    67           03  FB 00055          CALLS   #3, DBG$NMATCH                                 ;
                    01           50  D1 00058          CMPL    R0, #1                                         ;
                                 07  12 0005B          BNEQ    2$                                             ;
                 01 A3           02  90 0005D          MOVB    #2, 1(R3)                                      ; 0357
                              0244  31 00061          BRW     35$                                            ; 0360
                                 09  DD 00064 2$:      PUSHL   #9                                             ; 0364
                             AB  A6  9F 00066          PUSHAB  DBG$CS_DEVELOPER                               ;
                                 52  DD 00069          PUSHL   R2                                             ;
                    67           03  FB 0006B          CALLS   #3, DBG$NMATCH                                 ;
                    01           50  D1 0006E          CMPL    R0, #1                                         ;
                                 6B  12 00071          BNEQ    9$                                             ;
                 01 A3           11  90 00073          MOVB    #17, 1(R3)                                     ; 0369
                 55          08  A3  9E 00077          MOVAB   8(R3), LINK                                    ; 0370
                                 01  DD 0007B          PUSHL   #1                                             ; 0371
                             04  A6  9F 0007D          PUSHAB  DBG$CS_CR                                      ;
                                 52  DD 00080          PUSHL   R2                                             ;
                    67           03  FB 00082          CALLS   #3, DBG$NMATCH                                 ;
                    52           50  E8 00085          BLBS    R0, 8$                                         ;
                             0C  AC  DD 00088 3$:      PUSHL   MESSAGE_VECT                                   ; 0377
                                 14  BB 0008B          PUSHR   #^M<R2,R4>                                     ; 0376
                00000000G        00  03  FB 0008D          CALLS   #3, DBG$NSAVE_DECIMAL_INTEGER                  ;
                    03           50  E8 00094          BLBS    R0, 4$                                         ;
                              0267  31 00097          BRW     42$                                            ;
                                 64  D5 0009A 4$:      TSTL    (NOUN_NODE)                                    ; 0381
                                 05  19 0009C          BLSS    5$                                             ;
                1F               64  D1 0009E          CMPL    (NOUN_NODE), #31                               ; 0382
                                 09  15 000A1          BLEQ    6$                                             ;
                    00028248     8F  DD 000A3 5$:      PUSHL   #164424                                        ; 0385
                              023A  31 000A9          BRW     39$                                            ;
                55          08   A4  9E 000AC 6$:      MOVAB   8(R4), LINK                                    ; 0389
                                 01  DD 000B0          PUSHL   #1                                             ; 0390
                             02  A6  9F 000B2          PUSHAB  DBG$CS_COMMA                                   ;
                                 52  DD 000B5          PUSHL   R2                                             ;
                67               03  FB 000B7          CALLS   #3, DBG$NMATCH                                 ;
                10               50  E8 000BA          BLBS    R0, 7$                                         ;
                                 01  DD 000BD          PUSHL   #1                                             ; 0393
                             04  A6  9F 000BF          PUSHAB  DBG$CS_CR                                      ;
                                 52  DD 000C2          PUSHL   R2                                             ;
                67               03  FB 000C4          CALLS   #3, DBG$NMATCH                                 ;
                10               50  E8 000C7          BLBS    R0, 8$                                         ;
                              021E  31 000CA          BRW     40$                                            ; 0396
                                 04  DD 000CD 7$:      PUSHL   #4                                             ; 0405
                68               01  FB 000CF          CALLS   #1, DBG$GET_TEMPMEM                            ;
                54               50  D0 000D2          MOVL    R0, NOUN_NODE                                  ;
                65               54  D0 000D5          MOVL    NOUN_NODE, (LINK)                              ; 0406
                                 AE  11 000D8          BRB     3$                                             ; 0374
                                 65  D4 000DA 8$:      CLRL    (LINK)                                         ; 0411
                                 56  11 000DC          BRB     12$                                            ; 0347
                                 03  DD 000DE 9$:      PUSHL   #3                                             ; 0418
```

```
                        B5   A6  9F 000E0          PUSHAB  DBG$CS_DISPLAY                      :
                             52  DD 000E3          PUSHL   R2                                  :
                67           03  FB 000E5          CALLS   #3, DBG$NMATCH                      :
                01           50  D1 000E8          CMPL    R0, #1                              :
                             0F  12 000EB          BNEQ    10$                                 :
         01     A3           12  90 000ED          MOVB    #18, 1(R3)                          : 0420
                             0C  BB 000F1          PUSHR   #^M<R2,R3>                          : 0421
  00000000G     00           02  FB 000F3          CALLS   #2, DBG$SCR_PARSE_CANDISP_CMD       :
                             66  11 000FA          BRB     15$                                 : 0347
                             01  DD 000FC  10$:    PUSHL   #1                                  : 0427
                        BD   A6  9F 000FE          PUSHAB  DBG$CS_EXCEPTION                    :
                             52  DD 00101          PUSHL   R2                                  :
                67           03  FB 00103          CALLS   #3, DBG$NMATCH                      :
                01           50  D1 00106          CMPL    R0, #1                              :
                             16  12 00109          BNEQ    11$                                 :
                             01  DD 0010B          PUSHL   #1                                  : 0432
                        A5   A6  9F 0010D          PUSHAB  DBG$CS_BREAK                        :
                             52  DD 00110          PUSHL   R2                                  :
                67           03  FB 00112          CALLS   #3, DBG$NMATCH                      :
                43           50  E9 00115          BLBC    R0, 14$                             :
         01     A3           04  90 00118          MOVB    #4, 1(R3)                           : 0446
                        04   A3  7C 0011C          CLRQ    4(R3)                               : 0452
                             76  11 0011F          BRB     19$                                 : 0347
                             01  DD 00121  11$:    PUSHL   #1                                  : 0455
                        C7   A6  9F 00123          PUSHAB  DBG$CS_MODE                         :
                             52  DD 00126          PUSHL   R2                                  :
                67           03  FB 00128          CALLS   #3, DBG$NMATCH                      :
                01           50  D1 0012B          CMPL    R0, #1                              :
                             06  12 0012E          BNEQ    13$                                 :
         01     A3           05  90 00130          MOVB    #5, 1(R3)                           : 0457
                             61  11 00134  12$:    BRB     19$                                 : 0347
                             04  DD 00136  13$:    PUSHL   #4                                  : 0460
                        CC   A6  9F 00138          PUSHAB  DBG$CS_MODULE                       :
                             52  DD 0013B          PUSHL   R2                                  :
                67           03  FB 0013D          CALLS   #3, DBG$NMATCH                      :
                01           50  D1 00140          CMPL    R0, #1                              :
                             54  12 00143          BNEQ    20$                                 :
                             01  DD 00145          PUSHL   #1                                  : 0465
                      0044   8F  BB 00147          PUSHR   #^M<R2,R6>                          :
                67           03  FB 0014B          CALLS   #3, DBG$NMATCH                      :
                13           50  E9 0014E          BLBC    R0, 16$                             :
                             01  DD 00151          PUSHL   #1                                  : 0471
                        06   A6  9F 00153          PUSHAB  DBG$CS_ALL                          :
                             52  DD 00156          PUSHL   R2                                  :
                67           03  FB 00158          CALLS   #3, DBG$NMATCH                      :
                64           50  E9 0015B  14$:    BLBC    R0, 21$                             :
         01     A3           07  90 0015E          MOVB    #7, 1(R3)                           : 0483
                             7D  11 00162  15$:    BRB     24$                                 : 0465
                        0C   AC  DD 00164  16$:    PUSHL   MESSAGE_VECT                        : 0504
                             14  BB 00167          PUSHR   #^M<R2,R4>                          : 0503
                69           03  FB 00169          CALLS   #3, DBG$NSAVE_STRING                :
                03           50  E8 0016C          BLBS    R0, 17$                             :
                           018F  31 0016F          BRW     42$                                 :
                             01  DD 00172  17$:    PUSHL   #1                                  : 0511
                        0A   A6  9F 00174          PUSHAB  DBG$CS_COMMA                        :
                             52  DD 00177          PUSHL   R2                                  :
                67           03  FB 00179          CALLS   #3, DBG$NMATCH                      :
```

```
                11      50  E9  0017C          BLBC    R0, 18$                                 ;
                55  08  A4  9E  0017F          MOVAB   8(R4), LINK                             ; 0518
                    04  DD  00183              PUSHL   #4                                      ; 0519
                68      01  FB  00185          CALLS   #1, DBG$GET_TEMPMEM                     ;
                54      50  D0  00188          MOVL    R0, NOUN_NODE                           ;
                65      54  D0  0018B          MOVL    NOUN_NODE, (LINK)                       ; 0520
                    D4  11  0018E              BRB     16$                                     ; 0498
                08  A4  D4  00190  18$:        CLRL    8(NOUN_NODE)                            ; 0527
01  A3              06  90  00193              MOVB    #6, 1(R3)                               ; 0529
                    48  11  00197  19$:        BRB     24$                                     ; 0347
                    01  DD  00199  20$:        PUSHL   #1                                      ; 0535
                D3  A6  9F  0019B              PUSHAB  DBG$CS_RADIX                            ;
                    52  DD  0019E              PUSHL   R2                                      ;
                67      03  FB  001A0          CALLS   #3, DBG$NMATCH                          ;
                01      50  D1  001A3          CMPL    R0, #1                                  ;
                    26  12  001A6              BNEQ    23$                                     ;
01  A3              14  90  001A8              MOVB    #20, 1(R3)                              ; 0540
                    01  DD  001AC              PUSHL   #1                                      ; 0544
            0044    8F  BB  001AE              PUSHR   #^M<R2,R6>                              ;
                67      03  FB  001B2          CALLS   #3, DBG$NMATCH                          ;
                29      50  E9  001B5          BLBC    R0, 24$                                 ;
                    01  DD  001B8              PUSHL   #1                                      ; 0550
                0C  A6  9F  001BA              PUSHAB  DBG$CS_OVERRIDE                         ;
                    52  DD  001BD              PUSHL   R2                                      ;
                67      03  FB  001BF          CALLS   #3, DBG$NMATCH                          ;
                03      50  E8  001C2  21$:     BLBS    R0, 22$                                 ;
            010B        31  001C5              BRW     38$                                     ;
01  A3              15  90  001C8  22$:        MOVB    #21, 1(R3)                              ; 0562
                    13  11  001CC              BRB     24$                                     ; 0347
                    01  DD  001CE  23$:        PUSHL   #1                                      ; 0566
                D9  A6  9F  001D0              PUSHAB  DBG$CS_SCOPE                            ;
                    52  DD  001D3              PUSHL   R2                                      ;
                67      03  FB  001D5          CALLS   #3, DBG$NMATCH                          ;
                01      50  D1  001D8          CMPL    R0, #1                                  ;
                    06  12  001DB              BNEQ    25$                                     ;
01  A3              08  90  001DD              MOVB    #8, 1(R3)                               ; 0568
                    6D  11  001E1  24$:        BRB     30$                                     ; 0347
                    02  DD  001E3  25$:        PUSHL   #2                                      ; 0571
                DF  A6  9F  001E5              PUSHAB  DBG$CS_SOURCE                           ;
                    52  DD  001E8              PUSHL   R2                                      ;
                67      03  FB  001EA          CALLS   #3, DBG$NMATCH                          ;
                01      50  D1  001ED          CMPL    R0, #1                                  ;
                    60  12  001F0              BNEQ    31$                                     ;
01  A3              10  90  001F2              MOVB    #16, 1(R3)                              ; 0573
                    01  DD  001F6              PUSHL   #1                                      ; 0577
            0044    8F  BB  001F8              PUSHR   #^M<R2,R6>                              ;
                67      03  FB  001FC          CALLS   #3, DBG$NMATCH                          ;
                4C      50  E9  001FF          BLBC    R0, 29$                                 ;
                    04  DD  00202              PUSHL   #4                                      ; 0587
                15  A6  9F  00204              PUSHAB  DBG$CS_MODULE                           ;
                    52  DD  00207              PUSHL   R2                                      ;
                67      03  FB  00209          CALLS   #3, DBG$NMATCH                          ;
                0A      50  E9  0020C          BLBC    R0, 26$                                 ;
                    01  DD  0020F              PUSHL   #1                                      ; 0597
                FE  A6  9F  00211              PUSHAB  DBG$CS_EQUAL                            ;
                    52  DD  00214              PUSHL   R2                                      ;
                67      03  FB  00216          CALLS   #3, DBG$NMATCH                          ;
```

```
                    03              50  E8  00219 26$:     BLBS    R0, 27$                                 ;
                                00CC    31  0021C         BRW     40$                                     ;
                            0C      AC  DD  0021F 27$:     PUSHL   MESSAGE_VECT                            ; 0608
                            04      AE  9F  00222         PUSHAB  MODNAMEPTR                              ; 0607
                                    52  DD  00225         PUSHL   R2                                      ;
                    69              03  FB  00227         CALLS   #3, DBG$NSAVE_STRING                    ;
                    03              50  E8  0022A         BLBS    R0, 28$                                 ;
                                00D1    31  0022D         BRW     42$                                     ;
                                    6E  DD  00230 28$:     PUSHL   MODNAMEPTR                              ; 0615
00000000G           00              01  FB  00232         CALLS   #1, DBG$STA_GETSOURCEMOD                ;
                    64              50  D0  00239         MOVL    R0, (NOUN_NODE)                         ;
                                    55  12  0023C         BNEQ    33$                                     ; 0620
                                    6E  DD  0023E         PUSHL   MODNAMEPTR                              ; 0624
                                    01  DD  00240         PUSHL   #1                                      ; 0623
                        000281E8    8F  DD  00242         PUSHL   #164328                                 ;
                    6A              03  FB  00248         CALLS   #3, DBG$NMAKE_ARG_VECT                  ;
                                00AF    31  0024B         BRW     41$                                     ;
                                    64  D4  0024E 29$:     CLRL    (NOUN_NODE)                             ; 0632
                                    7F  11  00250 30$:     BRB     37$                                     ; 0347
                                    01  DD  00252 31$:     PUSHL   #1                                      ; 0636
                            E6      A6  9F  00254         PUSHAB  DBG$CS_TRACE                            ;
                                    52  DD  00257         PUSHL   R2                                      ;
                    67              03  FB  00259         CALLS   #3, DBG$NMATCH                          ;
                    01              50  D1  0025C         CMPL    R0, #1                                  ;
                                    06  12  0025F         BNEQ    32$                                     ;
                01  A3              09  90  00261         MOVB    #9, 1(R3)                               ; 0638
                                    41  11  00265         BRB     35$                                     ; 0641
                                    02  DD  00267 32$:     PUSHL   #2                                      ; 0645
                            EC      A6  9F  00269         PUSHAB  DBG$CS_TYPE                             ;
                                    52  DD  0026C         PUSHL   R2                                      ;
                    67              03  FB  0026E         CALLS   #3, DBG$NMATCH                          ;
                    01              50  D1  00271         CMPL    R0, #1                                  ;
                                    1F  12  00274         BNEQ    34$                                     ;
                                    01  DD  00276         PUSHL   #1                                      ; 0652
                            0044    8F  BB  00278         PUSHR   #^M<R2,R6>                              ;
                    67              03  FB  0027C         CALLS   #3, DBG$NMATCH                          ;
                    51              50  E9  0027F         BLBC    R0, 38$                                 ;
                                    01  DD  00282         PUSHL   #1                                      ; 0667
                            1C      A6  9F  00284         PUSHAB  DBG$CS_OVERRIDE                         ;
                                    52  DD  00287         PUSHL   R2                                      ;
                    67              03  FB  00289         CALLS   #3, DBG$NMATCH                          ;
                    44              50  E9  0028C         BLBC    R0, 38$                                 ;
                01  A3              0D  90  0028F         MOVB    #13, 1(R3)                              ; 0679
                                    70  11  00293 33$:     BRB     43$                                     ; 0347
                                    01  DD  00295 34$:     PUSHL   #1                                      ; 0682
                            F1      A6  9F  00297         PUSHAB  DBG$CS_WATCH                            ;
                                    52  DD  0029A         PUSHL   R2                                      ;
                    67              03  FB  0029C         CALLS   #3, DBG$NMATCH                          ;
                    01              50  D1  0029F         CMPL    R0, #1                                  ;
                                    11  12  002A2         BNEQ    36$                                     ;
                01  A3              0E  90  002A4         MOVB    #14, 1(R3)                              ; 0684
                            0C      AC  DD  002A8 35$:     PUSHL   MESSAGE_VECT                            ; 0687
                                    0C  BB  002AB         PUSHR   #^M<R2,R3>                              ; 0685
00000000G           00              03  FB  002AD         CALLS   #3, DBG$EVENT_SHOW_CANCEL_SYNTAX        ;
                                        04  002B4         RET                                             ;
                                    03  DD  002B5 36$:     PUSHL   #3                                      ; 0693
                            F7      A6  9F  002B7         PUSHAB  DBG$CS_WINDOW                           ;
```

```
                                    52  DD 002BA            PUSHL   R2                                          ;
                                67  03  FB 002BC            CALLS   #3, DBG$NMATCH                              ;
                                01  50  D1 002BF            CMPL    R0, #1                                      ;
                                    0F  12 002C2            BNEQ    38$                                         ;
                              01    A3  13 90 002C4         MOVB    #19, 1(R3)                                  ; 0695
                                    0C  BB 002C8            PUSHR   #^M<R2,R3>                                  ; 0696
                00000000G     00    02  FB 002CA            CALLS   #2, DBG$SCR_PARSE_CANWIND_CMD               ;
                                    32  11 002D1 37$:       BRB     43$                                         ; 0347
                                    01  DD 002D3 38$:       PUSHL   #1                                          ; 0706
                                04  A6  9F 002D5           PUSHAB  DBG$CS_CR                                   ;
                                    52  DD 002D8            PUSHL   R2                                          ;
                                67  03  FB 002DA            CALLS   #3, DBG$NMATCH                              ;
                                0B  50  E9 002DD            BLBC    R0, 40$                                     ;
                          000280D0  8F  DD 002E0            PUSHL   #164048                                     ; 0708
                                6A  01  FB 002E6 39$:       CALLS   #1, DBG$NMAKE_ARG_VECT                      ;
                                    12  11 002E9            BRB     41$                                         ;
                                    52  DD 002EB 40$:       PUSHL   R2                                          ; 0710
                00000000G     00    01  FB 002ED            CALLS   #1, DBG$NNEXT_WORD                          ;
                                    50  DD 002F4            PUSHL   R0                                          ;
                00000000G     00    01  FB 002F6            CALLS   #1, DBG$NSYNTAX_ERROR                       ;
                              0C    BC  50  D0 002FD 41$:     MOVL    R0, @MESSAGE_VECT                           ; 0705
                                50  04  D0 00301 42$:       MOVL    #4, R0                                      ; 0712
                                        04 00304            RET                                                 ;
                                50  01  D0 00305 43$:       MOVL    #1, R0                                      ; 0717
                                        04 00308            RET                                                 ; 0719

; Routine Size:  777 bytes,    Routine Base:  DBG$CODE + 0000
```

```
;  590     0720  1 GLOBAL ROUTINE DBG$NEXECUTE_CANCEL (VERB_NODE, MESSAGE_VECT) =
;  591     0721  1
;  592     0722  1 !++
;  593     0723  1 ! FUNCTIONAL DESCRIPTION:
;  594     0724  1 !
;  595     0725  1 !       This routine uses the command execution tree constructed by the parse
;  596     0726  1 !       network as input and performs the semantic actions associated with
;  597     0727  1 !       the given input corresponding to the CANCEL xxx command. If the command
;  598     0728  1 !       cannot be executed, a message argument vector is constructed and returned.
;  599     0729  1 !
;  600     0730  1 ! FORMAL PARAMETERS:
;  601     0731  1 !
;  602     0732  1 !       VERB_NODE       - A longword containing the address of the head node
;  603     0733  1 !                         of the command execution tree. This corresponds to
;  604     0734  1 !                         the veb node.
;  605     0735  1 !
;  606     0736  1 !       MESSAGE_VECT    - The address of a longword to contain the address of
;  607     0737  1 !                         a standard message argument vector upon detection of
;  608     0738  1 !                         errors.
;  609     0739  1 !
;  610     0740  1 ! IMPLICIT INPUTS:
;  611     0741  1 !
;  612     0742  1 !       The linked list command execution tree pointed to by verb_node.
;  613     0743  1 !
;  614     0744  1 ! IMPLICIT OUTPUTS:
;  615     0745  1 !
;  616     0746  1 !       On failure, a message argument vector is constructed and returned.
;  617     0747  1 !
;  618     0748  1 ! ROUTINE VALUE:
;  619     0749  1 !
;  620     0750  1 !       An unsigned integer longword completion code
;  621     0751  1 !
;  622     0752  1 ! COMPLETION CODES:
;  623     0753  1 !
;  624     0754  1 !       STS$K_SUCCESS (1)       - Success. Command executed.
;  625     0755  1 !
;  626     0756  1 !       STS$K_SEVERE  (4)       - Failure. Command not executed. Message argument
;  627     0757  1 !                                 vector constructed and returned.
;  628     0758  1 !
;  629     0759  1 ! SIDE EFFECTS:
;  630     0760  1 !
;  631     0761  1 !       Various semantic actions corresponding to the CANCEL xxx command are
;  632     0762  1 !       performed.
;  633     0763  1 !
;  634     0764  1 !--
;  635     0765  2     BEGIN
;  636     0766  2
;  637     0767  2     MAP
;  638     0768  2         VERB_NODE: REF DBG$VERB_NODE;   ! Pointer to command Verb Node
;  639     0769  2
;  640     0770  2     LOCAL
;  641     0771  2         NOUN_NODE: REF DBG$NOUN_NODE,   ! Pointer to a command Noun Node
;  642     0772  2         ADDR_EXP_DESC,                  ! Address expression descriptor
;  643     0773  2         ADDRESS: VECTOR [2],            ! Address and bit offset
;  644     0774  2         TYPE;                           ! Type of AED described object
;  645     0775  2
;  646     0776  2
```

```
;  647          0777  2
;  648          0778  2      ! Recover the noun node
;  649          0779  2      !
;  650          0780  2      NOUN_NODE = .VERB_NODE [DBG$L_VERB_OBJECT_PTR];
;  651          0781  2
;  652          0782  2
;  653          0783  2      ! Perform the indicated action base on the verb composite
;  654          0784  2      !
;  655          0785  2      CASE .VERB_NODE[DBG$B_VERB_COMPOSITE] FROM CANCEL_MINIMUM TO CANCEL_MAXIMUM OF
;  656          0786  2          SET
;  657          0787  2
;  658          0788  2
;  659          0789  2          ! Execute the CANCEL ALL command.
;  660          0790  2          !
;  661          0791  2          [CANCEL_ALL]:
;  662          0792  2              BEGIN
;  663          0793  3              LOCAL
;  664          0794  3                  SCOPE_LIST,
;  665          0795  3                  DUMMY;
;  666          0796  3
;  667          0797  3              ! Just cancel everything in sight
;  668          0798  3              !
;  669          0799  3              scope_list = 0;
;  670          0800  3              dbg$gl_context [dbg$k_all] = true;
;  671          0801  3
;  672          0802  3              DBG$EVENT_CANCEL_ALL ();
;  673          0803  3
;  674          0804  3              dbg$runframe [dbg$v_trace_all] = false;     ! For next two calls
;  675          0805  3              dbg$gb_resignal = true;                     ! Exception break
;  676          0806  3              dbg$set_mod_def ();                         ! Set mode defaults
;  677          0807  3              dbg$set_stp_def ();                         ! Set step defaults
;  678          0808  3              dbg$rst_setscope (scope_list, dummy);       ! Scopes (new debugger)
;  679          0809  3              dbg$gl_gbltyp = -1;                         ! Override type
;  680          0810  3              dbg$gw_gbllngth = 0;                        ! Override length
;  681          0811  3              dbg$gl_dflttyp = dsc$k_dtype_l;             ! Default type
;  682          0812  3              dbg$gw_dfltleng = 4;                        ! Default length
;  683          0813  2              END;
;  684          0814  2
;  685          0815  2          [cancel_break] :        ! CANCEL BREAK <ADDR_EXP>
;  686          0816  2              RETURN DBG$EVENT_SHOW_CANCEL_SEMANTICS (.VERB_NODE,
;  687          0817  2                                                      .MESSAGE_VECT
;  688          0818  2                                                     );
;  689          0819  2
;  690          0820  2
;  691          0821  2          ! Execute the CANCEL DEVELOPER 0, 1, ..., n command.  Cancel all bits
;  692          0822  2          ! in DBG$GL_DEVELOPER indicated on the command.  If no bits are speci-
;  693          0823  2          ! fied, clear all developer bits.
;  694          0824  2          !
;  695          0825  2          [CANCEL_DEVELOPER]:
;  696          0826  3              BEGIN
;  697          0827  3              NOUN_NODE = .VERB_NODE[DBG$L_VERB_OBJECT_PTR];
;  698          0828  3              IF .NOUN_NODE EQL 0 THEN DBG$GL_DEVELOPER = 0;
;  699          0829  3              WHILE .NOUN_NODE NEQ 0 DO
;  700          0830  4                  BEGIN
;  701          0831  4                  DBG$GL_DEVELOPER[.NOUN_NODE[DBG$L_NOUN_VALUE]] = FALSE;
;  702          0832  4                  NOUN_NODE = .NOUN_NODE[DBG$L_NOUN_LINK];
;  703          0833  3                  END;
```

```
;  704     0834  3
;  705     0835  2              END;
;  706     0836  2
;  707     0837  2
;  708     0838  2              ! Execute the CANCEL DISPLAY command.
;  709     0839  2              !
;  710     0840  2              [CANCEL_DISPLAY]:
;  711     0841  2                  DBG$SCR_EXECUTE_CANDISP_CMD(.VERB_NODE);
;  712     0842  2
;  713     0843  2
;  714     0844  2              ! Execute the CANCEL EXCEPTION BREAK command.
;  715     0845  2              !
;  716     0846  2              [CANCEL_EXCEPTION_BREAK]:
;  717     0847  3                  BEGIN
;  718     0848  3                  DBG$GB_RESIGNAL = TRUE;
;  719     0849  3                  RETURN DBG$EVENT_SHOW_CANCEL_SEMANTICS(.VERB_NODE,.MESSAGE_VECT);
;  720     0850  2                  END;
;  721     0851  2
;  722     0852  2
;  723     0853  2              ! Execute the CANCEL MODE command.
;  724     0854  2              !
;  725     0855  2              [CANCEL_MODE]:
;  726     0856  3                  BEGIN
;  727     0857  3                  dbg$gb_radix[dbg$b_radix_input] = dbg$nget_trans_radix(dbg$k_default);
;  728     0858  3                  dbg$gb_radix[dbg$b_radix_output] = dbg$nget_trans_radix(dbg$k_default);
;  729     0859  3                  dbg$gb_radix[dbg$b_radix_output_over] = dbg$k_default;
;  730     0860  3                  DBG$SET_MOD_DEF();
;  731     0861  2                  END;
;  732     0862  2
;  733     0863  2              [cancel_module] :       ! CANCEL MODULE or CANCEL MODULE/ALL
;  734     0864  3                  BEGIN
;  735     0865  3
;  736     0866  3                  ! Module names are stored away as counted strings
;  737     0867  3                  !
;  738     0868  3                  LOCAL
;  739     0869  3                      NAME_BUFF : REF VECTOR [,BYTE]; ! Module name buffer
;  740     0870  3
;  741     0871  3                  WHILE .noun_node NEQA 0
;  742     0872  3                  DO
;  743     0873  4                      BEGIN
;  744     0874  4
;  745     0875  4                      ! Retrieve the name buffer and call the symbol table
;  746     0876  4                      !
;  747     0877  4                      name_buff = .noun_node [dbg$l_noun_value];
;  748     0878  4                      IF NOT dbg$rst_canmod (name_buff [1], .name_buff [0])
;  749     0879  4                      THEN
;  750     0880  5                          BEGIN
;  751     0881  5                          .message_vect = dbg$nmake_arg_vect (dbg$_nosuchmodu,
;  752     0882  5                                                              1,
;  753     0883  5                                                              name_buff [0]);
;  754     0884  5                          RETURN sts$k_severe;
;  755     0885  4                          END;
;  756     0886  4
;  757     0887  4
;  758     0888  4                      ! Obtain the next noun node
;  759     0889  4                      !
;  760     0890  4                      noun_node = .noun_node [dbg$l_noun_link];
```

```
;  761          0891  4                END;    ! End of Loop
;  762          0892  3
;  763          0893  3
;  764          0894  2            END;
;  765          0895  2
;  766          0896  2        [cancel_module_all] :
;  767          0897  3            BEGIN
;  768          0898  3            dbg$rst_canmod (0, 0);
;  769          0899  2            END;
;  770          0900  2
;  771          0901  2        [cancel_radix] :
;  772          0902  3            BEGIN
;  773          0903  3            dbg$gb_radix[dbg$b_radix_input] = dbg$nget_trans_radix(dbg$k_default);
;  774          0904  3            dbg$gb_radix[dbg$b_radix_output] = dbg$nget_trans_radix(dbg$k_default);
;  775          0905  3            dbg$gb_radix[dbg$b_radix_output_over] = dbg$k_default;
;  776          0906  2            END;
;  777          0907  2
;  778          0908  2        [cancel_radix_override]:
;  779          0909  2            dbg$gb_radix[dbg$b_radix_output_over] = dbg$k_default;
;  780          0910  2
;  781          0911  2        [cancel_scope] :
;  782          0912  3            BEGIN
;  783          0913  3            LOCAL
;  784          0914  3                DUMMY,
;  785          0915  3                SCOPE_LIST;
;  786          0916  3
;  787          0917  3            scope_list = 0;
;  788          0918  3            dbg$rst_setscope (scope_list, dummy);
;  789          0919  2            END;
;  790          0920  2
;  791          0921  2        [cancel_source] :       ! CANCEL SOURCE[/MODULE=modname]
;  792          0922  3            BEGIN
;  793          0923  3            dbg$src_cancel_source(.noun_node[dbg$l_noun_value]);
;  794          0924  2            END;
;  795          0925  2
;  796          0926  2        [cancel_trace] :        ! CANCEL TRACE <ADDR_EXP>
;  797          0927  2            RETURN DBG$EVENT_SHOW_CANCEL_SEMANTICS (.VERB_NODE,
;  798          0928  2                                                    .MESSAGE_VECT
;  799          0929  2                                                   );
;  800          0930  2
;  801          0931  2        ! Execute the CANCEL TYPE/OVERRIDE command.
;  802          0932  2        !
;  803          0933  2        [CANCEL_TYPE_OVERRIDE]:
;  804          0934  3            BEGIN
;  805          0935  3            DBG$GL_GBLTYP = -1;
;  806          0936  3            DBG$GW_GBLLNGTH = 0;
;  807          0937  2            END;
;  808          0938  2
;  809          0939  2
;  810          0940  2        ! Execute the CANCEL WATCH <addr-expr> command.
;  811          0941  2        !
;  812          0942  2        [CANCEL_WATCH]:
;  813          0943  2            RETURN DBG$EVENT_SHOW_CANCEL_SEMANTICS (.VERB_NODE,
;  814          0944  2                                                    .MESSAGE_VECT
;  815          0945  2                                                   );
;  816          0946  2        ! Execute the CANCEL WINDOW command.
;  817          0947  2        !
```

```
;       2               [CANCEL_WINDOW]:
;       2                   DBG$SCR_EXECUTE_CANWIND_CMD(.VERB_NODE);
;       2
;       2               ! Any other CASE index constitutes and internal DEBUG error.
;       2               !
;       2               [INRANGE,OUTRANGE]:
;       2                   $DBG_ERROR('DBGNCANCL\NEXECUTE_CANCEL');
;       2
;       2               TES;
;       2
;       2           RETURN STS$K_SUCCESS;
;       2
;       1           END;


                                                                    .PSECT  DBG$PLIT,NOWRT,  SHR,  PIC,0

45 58 45 4E 5C 4C 43 4E 41 43 4E 47 42 44 19 00084 P.AAX:  .ASCII  <25>\DBGNCANCL\<92>\NEXECUTE_CANCEL\                  ;
            4C 45 43 4E 41 43 5F 45 54 55 43 00093                                                                        ;


                                                                    .PSECT  DBG$CODE,NOWRT,  SHR,  PIC,0

                                           0FFC 00000              .ENTRY  DBG$NEXECUTE_CANCEL, Save R2,R3,R4,R5,R6,-   ; 0720
                                                                           R7,R8,R9,R10,R11                              ;
                          5B 00000000G  00  9E 00002               MOVAB   DBG$GW_GBLLNGTH, R11                         ;
                          5A 00000000G  00  9E 00009               MOVAB   DBG$GL_GBLTYP, R10                           ;
                          59 00000000G  00  9E 00010               MOVAB   DBG$RST_SETSCOPE, R9                         ;
                          58 00000000G  00  9E 00017               MOVAB   DBG$SET_MOD_DEF, R8                          ;
                          57 00000000G  00  9E 0001E               MOVAB   DBG$GB_RESIGNAL, R7                          ;
                          56 00000000G  00  9E 00025               MOVAB   DBG$NGET_TRANS_RADIX, R6                     ;
                          55 00000000G  00  9E 0002C               MOVAB   DBG$GB_RADIX, R5                             ;
                          5E            18  C2 00033               SUBL2   #24, SP                                      ;
                          52        04  AC  D0 00036               MOVL    VERB_NODE, R2                                ; 0780
                          53        08  A2  D0 0003A               MOVL    8(R2), NOUN_NODE                             ;
               14         01        01  A2  8F 0003E               CASEB   1(R2), #1, #20                               ; 0785
     00AC     002A       0144       0041       00043 1$:           .WORD   3$-1$,-                                      ;
     0124     0102       00CC       00B2       0004B                       23$-1$,-                                     ;
     002A     002A       002A       0144       00053                       2$-1$,-                                      ;
     0132     002A       0144       013D       0005B                       9$-1$,-                                      ;
     010D     0151       00A1       0083       00063                       10$-1$,-                                     ;
                                    011E       0006B                       12$-1$,-                                     ;
                                                                           14$-1$,-                                     ;
                                                                           19$-1$,-                                     ;
                                                                           23$-1$,-                                     ;
                                                                           2$-1$,-                                      ;
                                                                           2$-1$,-                                      ;
                                                                           2$-1$,-                                      ;
                                                                           21$-1$,-                                     ;
                                                                           23$-1$,-                                     ;
                                                                           2$-1$,-                                      ;
                                                                           20$-1$,-                                     ;
                                                                           4$-1$,-                                      ;
                                                                           7$-1$,-                                      ;
```

```
                                                              24$-1$,-                                  ;
                                                              16$-1$,-                                  ;
                                                              17$-1$                                    ;
                    00000000'  EF   9F 0006D  2$:     PUSHAB  P.AAX                                     ; 0955
                               01   DD 00073          PUSHL   #1                                        ;
                    00028362   8F   DD 00075          PUSHL   #164706                                   ;
     00000000G  00             03   FB 0007B          CALLS   #3, LIB$SIGNAL                            ;
                               69   11 00082          BRB     8$                                        ;
                          04   AE   D4 00084  3$:     CLRL    SCOPE_LIST                                ; 0799
     00000000G  00             02   88 00087          BISB2   #2, DBG$GL_CONTEXT+1                      ; 0800
     00000000G  00             00   FB 0008E          CALLS   #0, DBG$EVENT_CANCEL_ALL                  ; 0802
     00000000G  00             04   8A 00095          BICB2   #4, DBG$RUNFRAME+72                       ; 0804
                67             01   90 0009C          MOVB    #1, DBG$GB_RESIGNAL                       ; 0805
                68             00   FB 0009F          CALLS   #0, DBG$SET_MOD_DEF                       ; 0806
     00000000G  00             00   FB 000A2          CALLS   #0, DBG$SET_STP_DEF                       ; 0807
                               5E   DD 000A9          PUSHL   SP                                        ; 0808
                          08   AE   9F 000AB          PUSHAB  SCOPE_LIST                                ;
                69             02   FB 000AE          CALLS   #2, DBG$RST_SETSCOPE                      ;
                6A             01   CE 000B1          MNEGL   #1, DBG$GL_GBLTYP                         ; 0809
                               6B   B4 000B4          CLRW    DBG$GW_GBLLNGTH                           ; 0810
     00000000G  00             08   D0 000B6          MOVL    #8, DBG$GL_DFLTTYP                        ; 0811
     00000000G  00             04   B0 000BD          MOVW    #4, DBG$GW_DFLTLENG                       ; 0812
                               47   11 000C4          BRB     11$                                       ; 0785
                53        08   A2   D0 000C6  4$:     MOVL    8(R2), NOUN_NODE                          ; 0827
                               06   12 000CA          BNEQ    5$                                        ; 0828
                    00000000G  00   D4 000CC          CLRL    DBG$GL_DEVELOPER                          ;
                               53   D5 000D2  5$:     TSTL    NOUN_NODE                                 ; 0829
                               78   13 000D4          BEQL    15$                                       ;
  00 00000000G  00             63   E5 000D6          BBCC    (NOUN_NODE), DBG$GL_DEVELOPER, 6$         ; 0831
                53        08   A3   D0 000DE  6$:     MOVL    8(NOUN_NODE), NOUN_NODE                   ; 0832
                               EE   11 000E2          BRB     5$                                        ; 0829
                               52   DD 000E4  7$:     PUSHL   R2                                        ; 0841
     00000000G  00             01   FB 000E6          CALLS   #1, DBG$SCR_EXECUTE_CANDISP_CMD           ;
                               76   11 000ED  8$:     BRB     18$                                       ;
                67             01   90 000EF  9$:     MOVB    #1, DBG$GB_RESIGNAL                       ; 0848
                          0092 31      000F2          BRW     23$                                       ; 0849
                               01   DD 000F5  10$:    PUSHL   #1                                        ; 0857
                66             01   FB 000F7          CALLS   #1, DBG$NGET_TRANS_RADIX                  ;
                65             50   90 000FA          MOVB    R0, DBG$GB_RADIX                          ;
                               01   DD 000FD          PUSHL   #1                                        ; 0858
                66             01   FB 000FF          CALLS   #1, DBG$NGET_TRANS_RADIX                  ;
         01     A5             50   90 00102          MOVB    R0, DBG$GB_RADIX+1                        ;
         02     A5             01   90 00106          MOVB    #1, DBG$GB_RADIX+2                        ; 0859
                68             00   FB 0010A          CALLS   #0, DBG$SET_MOD_DEF                       ; 0860
                               76   11 0010D  11$:    BRB     22$                                       ; 0785
                               53   D5 0010F  12$:    TSTL    NOUN_NODE                                 ; 0871
                               72   13 00111          BEQL    22$                                       ;
                54             63   D0 00113          MOVL    (NOUN_NODE), NAME_BUFF                    ; 0877
                7E             64   9A 00116          MOVZBL  (NAME_BUFF), -(SP)                        ; 0878
                          01   A4   9F 00119          PUSHAB  1(NAME_BUFF)                              ;
     00000000G  00             02   FB 0011C          CALLS   #2, DBG$RST_CANMOD                        ;
                19             50   E8 00123          BLBS    R0, 13$                                   ;
                               54   DD 00126          PUSHL   NAME_BUFF                                 ; 0883
                               01   DD 00128          PUSHL   #1                                        ;
                    000281E8   8F   DD 0012A          PUSHL   #164328                                   ;
     00000000G  00             03   FB 00130          CALLS   #3, DBG$NMAKE_ARG_VECT                    ;
         08     BC             50   D0 00137          MOVL    R0, @MESSAGE_VECT                         ;
```

```
                 50          04  D0 0013B         MOVL    #4, R0                                  ; 0884
                             04  0013E            RET                                             ;
                 53     08   A3  D0 0013F  13$:   MOVL    8(NOUN_NODE), NOUN_NODE                 ; 0890
                             CA  11 00143         BRB     12$                                     ; 0871
                             7E  7C 00145  14$:   CLRQ    -(SP)                                   ; 0898
       00000000G 00          02  FB 00147         CALLS   #2, DBG$RST_CANMOD                      ;
                             4D  11 0014E  15$:   BRB     25$                                     ; 0785
                             01  DD 00150  16$:   PUSHL   #1                                      ; 0903
                 66          01  FB 00152         CALLS   #1, DBG$NGET_TRANS_RADIX                ;
                 65          50  90 00155         MOVB    R0, DBG$GB_RADIX                        ;
                             01  DD 00158         PUSHL   #1                                      ; 0904
                 66          01  FB 0015A         CALLS   #1, DBG$NGET_TRANS_RADIX                ;
            01   A5          50  90 0015D         MOVB    R0, DBG$GB_RADIX+1                      ;
            02   A5          01  90 00161  17$:   MOVB    #1, DBG$GB_RADIX+2                      ; 0909
                             36  11 00165  18$:   BRB     25$                                     ;
                        0C   AE  D4 00167  19$:   CLRL    SCOPE_LIST                              ; 0917
                        08   AE  9F 0016A         PUSHAB  DUMMY                                   ; 0918
                        10   AE  9F 0016D         PUSHAB  SCOPE_LIST                              ;
                 69          02  FB 00170         CALLS   #2, DBG$RST_SETSCOPE                    ;
                             28  11 00173         BRB     25$                                     ; 0785
                             63  DD 00175  20$:   PUSHL   (NOUN_NODE)                             ; 0923
       00000000G 00          01  FB 00177         CALLS   #1, DBG$SRC_CANCEL_SOURCE               ;
                             1D  11 0017E         BRB     25$                                     ; 0785
                 6A          01  CE 00180  21$:   MNEGL   #1, DBG$GL_GBLTYP                       ; 0935
                             6B  B4 00183         CLRW    DBG$GW_GBLLNGTH                         ; 0936
                             16  11 00185  22$:   BRB     25$                                     ; 0785
                        08   AC  DD 00187  23$:   PUSHL   MESSAGE_VECT                            ; 0944
                             52  DD 0018A         PUSHL   R2                                      ; 0943
       00000000G 00          02  FB 0018C         CALLS   #2, DBG$EVENT_SHOW_CANCEL_SEMANTICS     ;
                             04  00193            RET                                             ;
                             52  DD 00194  24$:   PUSHL   R2                                      ; 0949
       00000000G 00          01  FB 00196         CALLS   #1, DBG$SCR_EXECUTE_CANWIND_CMD         ;
                 50          01  D0 0019D  25$:   MOVL    #1, R0                                  ; 0959
                             04  001A0            RET                                             ; 0961

; Routine Size:  417 bytes,    Routine Base:  DBG$CODE + 0309


;  832          0962  1
;  833          0963  0 END ELUDOM



                                                  .EXTRN  LIB$SIGNAL

;                                PSECT SUMMARY
;
;       Name                   Bytes                      Attributes
;
;  DBG$PLIT                      158  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(0)
;  DBG$CODE                     1194  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(0)



;                            Library Statistics
```

```
;
;                                  --------  Symbols --------      Pages       Processing
;       File                       Total     Loaded   Percent      Mapped      Time
;
;  _$255$DUA28:[SYSLIB]LIB.L32;1    18619          3         0        1000       00:01.8
;  _$255$DUA28:[DEBUG.OBJ]STRUCDEF.L32;1
;                                      32          0         0           7       00:00.1
;  _$255$DUA28:[DEBUG.OBJ]DBGLIB.L32;1
;                                    1545         28         1          97       00:02.0
;  _$255$DUA28:[DEBUG.OBJ]DSTRECRDS.L32;1
;                                     418          0         0          31       00:00.3
;  _$255$DUA28:[DEBUG.OBJ]DBGMSG.L32;1
;                                     386          6         1          22       00:00.3
;  _$255$DUA28:[DEBUG.OBJ]DBGGEN.L32;1
;                                     150          0         0          12       00:00.3
;
;
;
;
;
;
;                                  COMMAND QUALIFIERS
;
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:DBGNCANCL/OBJ=OBJ$:DBGNCANCL MSRC$:DBGNCANCL/UPDATE=(ENH$:DBGNCANCL)
;
; Size:         1194 code + 158 data bytes
; Run Time:       00:27.3
; Elapsed Time:   01:28.7
; Lines/CPU Min:   2119
; Lexemes/CPU-Min:  9625
; Memory Used:  320 pages
; Compilation Complete
```

DBGMSG
LIS

DBGNCANCL
LIS

DBGNCNTRL
LIS

DBGMOD
LIS