```
RRRRRRRRRRR      UUU         UUU  NNN        NNN   000000000     FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFF
RRRRRRRRRRR      UUU         UUU  NNN        NNN   000000000     FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFF
RRRRRRRRRRR      UUU         UUU  NNN        NNN   000000000     FFFFFFFFFFFFFF     FFFFFFFFFFFFFF
RRR       RRR    UUU         UUU  NNN        NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNN        NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNN        NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNNNNN     NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNNNNN     NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNNNNN     NNN   000       000  FFF               FFF
RRRRRRRRRRR      UUU         UUU  NNN  NNN   NNN   000       000  FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRR      UUU         UUU  NNN  NNN   NNN   000       000  FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRR      UUU         UUU  NNN  NNN   NNN   000       000  FFFFFFFFFFF       FFFFFFFFFFF
RRR   RRR        UUU         UUU  NNN   NNNNNN     000       000  FFF               FFF
RRR   RRR        UUU         UUU  NNN   NNNNNN     000       000  FFF               FFF
RRR   RRR        UUU         UUU  NNN   NNNNNN     000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNN        NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNN        NNN   000       000  FFF               FFF
RRR       RRR    UUU         UUU  NNN        NNN   000       000  FFF               FFF
RRR       RRR    UUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF               FFF
RRR       RRR    UUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF               FFF
RRR       RRR    UUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF               FFF
```

```
SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT  DDDDDDD      AAAAAA    TTTTTTTTTT
SSSSSSSS  EEEEEEEEEE  TTTTTTTTTT  DDDDDDD      AAAAAA    TTTTTTTTTT
SS        EE              TT      DD     DD   AA    AA       TT
SS        EE              TT      DD     DD   AA    AA       TT
SS        EE              TT      DD     DD   AA    AA       TT
SS        EE              TT      DD     DD   AA    AA       TT
  SSSSSS  EEEEEEE         TT      DD     DD   AA    AA       TT
  SSSSSS  EEEEEEE         TT      DD     DD   AA    AA       TT
      SS  EE              TT      DD     DD   AAAAAAAAAA      TT
      SS  EE              TT      DD     DD   AAAAAAAAAA      TT
      SS  EE              TT      DD     DD   AA    AA       TT
      SS  EE              TT      DD     DD   AA    AA       TT
SSSSSSSS  EEEEEEEEEE      TT      DDDDDDD     AA    AA       TT
SSSSSSSS  EEEEEEEEEE      TT      DDDDDDD     AA    AA       TT

LL          IIIIII     SSSSSSSS
LL          IIIIII     SSSSSSSS
LL            II     SS
LL            II     SS
LL            II     SS
LL            II     SS
LL            II       SSSSSS
LL            II       SSSSSS
LL            II             SS
LL            II             SS
LL            II             SS
LL            II             SS
LLLLLLLLL   IIIIII   SSSSSSSS
LLLLLLLLL   IIIIII   SSSSSSSS
```

```
   1    0001  0  %TITLE 'Set date to a user-specified date'
   2    0002  0  MODULE SETDAT (
   3    0003  0                  IDENT = 'V04-000'
   4  P 0004  0  %BLISS32[,
   5  P 0005  0           ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)
   6    0006  0           ]
   7    0007  0                  ) =
   8    0008  1  BEGIN
   9    0009  1  !
  10    0010  1  !*****************************************************************
  11    0011  1  !*                                                              *
  12    0012  1  !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                     *
  13    0013  1  !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.      *
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  20    0020  1  !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY    *
  21    0021  1  !*  TRANSFERRED.                                                *
  22    0022  1  !*                                                              *
  23    0023  1  !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
  24    0024  1  !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
  25    0025  1  !*  CORPORATION.                                                *
  26    0026  1  !*                                                              *
  27    0027  1  !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
  28    0028  1  !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.     *
  29    0029  1  !*                                                              *
  30    0030  1  !*                                                              *
  31    0031  1  !*****************************************************************
  32    0032  1  !
  33    0033  1  !++
  34    0034  1  ! FACILITY:     DSR (Digital Standard RUNOFF) / DSRPLUS
  35    0035  1  !
  36    0036  1  ! ABSTRACT: Sets the date to a user-specified date.
  37    0037  1  !
  38    0038  1  !
  39    0039  1  ! ENVIRONMENT: Transportable
  40    0040  1  !
  41    0041  1  ! AUTHOR: R.W.Friday     CREATION DATE: April, 1979
  42    0042  1  !
```

SETDAT
V04-000

Set date to a user-specified date
Revision History

G 4
16-Sep-1984 01:46:38
14-Sep-1984 13:08:08

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]SETDAT.BLI;1

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```
    44    0043 1 %SBTTL 'Revision History'
    45    0044 1 !
    46    0045 1 ! MODIFIED BY:
    47    0046 1 !
    48    0047 1 !     002     REM00002     Ray Marshall     07-Mar-1983
    49    0048 1 !             Global edit of all modules. Updated module names, idents,
    50    0049 1 !             copyright dates. Changed require files to BLISS library.
    51    0050 1 !
    52    0051 1 !--
```

```
  54        0052  1  %SBTTL 'Module Level Declarations'
  55        0053  1  !
  56        0054  1  ! TABLE OF CONTENTS:
  57        0055  1  !
  58        0056  1  !
  59        0057  1  ! INCLUDE FILES:
  60        0058  1  !
  61        0059  1
  62        0060  1  LIBRARY 'NXPORT:XPORT';                  ! XPORT Library
  63        0061  1  REQUIRE 'REQ:RNODEF';                    ! RUNOFF variant definitions
  64        0192  1
  65    U   0193  1  %IF DSRPLUS %THEN
  66    U   0194  1  LIBRARY 'REQ:DPLLIB';                    ! DSRPLUS BLISS Library
  67        0195  1  %ELSE
  68        0196  1  LIBRARY 'REQ:DSRLIB';                    ! DSR BLISS Library
  69        0197  1  %FI
  70        0198  1
  71        0199  1  !
  72        0200  1  ! MACROS:
  73        0201  1  !
  74        0202  1  MACRO
  75    M   0203  1      DOPARM (P,MAX) =
  76    M   0204  1          !Process this parameter only if it was specified.
  77    M   0205  1          IF  .NMLST_DESCR (P) NEQ NM_NULL
  78    M   0206  1          THEN
  79    M   0207  1              BEGIN
  80    M   0208  1              IF  .NMLST_DESCR (P) EQL NM_PLUS
  81    M   0209  1                              OR
  82    M   0210  1                  .NMLST_DESCR (P) EQL NM_MINUS
  83    M   0211  1              THEN
  84    M   0212  1                  TEMP_DATIM [3-P] = .TEMP_DATIM [3-P] + .NMLST_VALUE (P)
  85    M   0213  1              ELSE
  86    M   0214  1                  TEMP_DATIM [3-P] = .NMLST_VALUE (P);
  87    M   0215  1
  88    M   0216  1              !Check for negative or GTR MAX value
  89    M   0217  1              IF  .TEMP_DATIM [3-P] LEQ 0
  90    M   0218  1                      OR
  91    M   0219  1                  .TEMP_DATIM [3-P] GTR MAX
  92    M   0220  1              THEN
  93    M   0221  1                  !Illegal number value.
  94    M   0222  1                  BEGIN
  95    M   0223  1                  ERMA (RNFINM, FALSE);
  96    M   0224  1                  RETURN;
  97    M   0225  1                  END
  98        0226  1              END                 %;
  99        0227  1  !
 100        0228  1  ! EQUATED SYMBOLS:
 101        0229  1  !
 102        0230  1  !
 103        0231  1  ! OWN STORAGE:
 104        0232  1  !
 105        0233  1
 106        0234  1  ! EXTERNAL REFERENCES:
 107        0235  1  !
 108        0236  1
 109        0237  1  EXTERNAL
 110        0238  1      DATTIM : VECTOR [6],                     !Date and time.
```

```
:   111      0239  1        NMLST : NUMBER_LIST;                    !GLNM returns command parameters here
:   112      0240  1
:   113      0241  1 !                                              :
:   114      0242  1 EXTERNAL LITERAL                  !Error messages
:   115      0243  1        RNFINM;                                 :
:   116      0244  1                                                :
:   117      0245  1 !                                              : Si
:   118      0246  1                                                : Ru
:   119      0247  1 EXTERNAL ROUTINE                               : El
:   120      0248  1        ERMA,                                   : Li
:   121      0249  1        GLNM,                                   : Le
:   122      0250  1        RNODAT;                                 :: Me
:   123      0251  1                                                : Co
:   124      0252  1 !
:   125      0253  1
```

```
127   0254  1   %SBTTL 'SETDAT  --'
128   0255  1   GLOBAL ROUTINE setdat (handler_code) : NOVALUE =
129   0256  1
130   0257  1   !++
131   0258  1   ! FUNCTIONAL DESCRIPTION:
132   0259  1   !
133   0260  1   !       SETDAT calls GLNM to pick up the day, month, and year, in that order.
134   0261  1   !       If the user says nothing, then the date is set to the system date.
135   0262  1   !
136   0263  1   ! FORMAL PARAMETERS:
137   0264  1   !
138   0265  1   !       HANDLER_CODE is not examined.  It is passed to this routine
139   0266  1   !       for reasons of conformity only.  It will always have the
140   0267  1   !       value H_SET_DATE.
141   0268  1   !
142   0269  1   ! IMPLICIT INPUTS:        None
143   0270  1   !
144   0271  1   ! IMPLICIT OUTPUTS:       None
145   0272  1   !
146   0273  1   ! ROUTINE VALUE:
147   0274  1   ! COMPLETION CODES:       None
148   0275  1   !
149   0276  1   ! SIDE EFFECTS:           None
150   0277  1   !
151   0278  1   !--
152   0279  1
153   0280  2       BEGIN
154   0281  2
155   0282  2       LOCAL
156   0283  2           temp_datim : VECTOR [6];
157   0284  2
158   0285  2       glnm (3);                                    !Request the day, month, and year.
159   0286  2
160   0287  2       IF  .nmlst_count EQL 0  THEN
161   0288  3           BEGIN
162   0289  3           rnodat (temp_datim);    !Get entire system date/time.
163   0290  3
164   0291  3                   !Save just the system time part.
165   0292  3
166   0293  3           dattim [0] = .temp_datim [0];            !Year
167   0294  3           DATTIM [1] = .TEMP_DATIM [1];            !Month
168   0295  3           DATTIM [2] = .TEMP_DATIM [2];            !Day
169   0296  3
170   0297  3           RETURN;
171   0298  2           END;
172   0299  2
173   0300  2       ! Assume the most complicated case: that the user is adjusting settings by
174   0301  2       ! adding/subtracting values.  Make a copy of the current time.
175   0302  2
176   0303  2       temp_datim [0] = .dattim [0];                !Year
177   0304  2       temp_datim [1] = .dattim [1];                !Month
178   0305  2       temp_datim [2] = .dattim [2];                !Day
179   0306  2
180   0307  2       !Validate the day, if given
181   0308  2       doparm (1,31);                               !First parameter can have a maximum value of 31
182   0309  2
183   0310  2       !Validate the month, if given
```

```
  184   0311  2     IF  .nmlst_count GEQ 2  THEN        !Second paramater can have a maximum value of 12
  185   0312  2         doparm (2,12);
  186   0313  2
  187   0314  2     !Validate the year, if given
  188   0315  2     IF  .nmlst_count GEQ 3  THEN        !Maximum of 9999
  189   0316  2         doparm (3,9999);
  190   0317  2
  191   0318  2     !Make computed time currend
  192   0319  2     dattim [0] = .temp_datim [0];       !Year
  193   0320  2     dattim [1] = .temp_datim [1];       !Month
  194   0321  2     dattim [2] = .temp_datim [2];       !Day
  195   0322  2
  196   0323  1     END;                                !End of SETDAT


                                      .TITLE   SETDAT Set date to a user-specified date
                                      .IDENT   \V04-000\

                                      .EXTRN   DATTIM, NMLST, RNFINM
                                      .EXTRN   ERMA, GLNM, RNODAT

                                      .PSECT   $CODE$,NOWRT,2

                        000C 00000    .ENTRY   SETDAT, Save R2,R3           ; 0255
        53 00000000G EF    9E 00002    MOVAB   DATTIM, R3
        52 00000000G EF    9E 00009    MOVAB   NMLST, R2
        5E             18  C2 00010    SUBL2   #24, SP
                       03  DD 00013    PUSHL   #3                           ; 0285
   00000000G EF        01  FB 00015    CALLS   #1, GLNM
                       62  D5 0001C    TSTL    NMLST                        ; 0287
                       0C  12 0001E    BNEQ    1$
                       5E  DD 00020    PUSHL   SP                           ; 0289
   00000000G EF        01  FB 00022    CALLS   #1, RNODAT
                     0092  31 00029    BRW     14$                          ; 0293
             6E        63  7D 0002C 1$: MOVQ   DATTIM, TEMP_DATIM           ; 0303
     08      AE    08  A3  D0 0002F    MOVL    DATTIM+8, TEMP_DATIM+8       ; 0305
     50          00A4  C2  D0 00034    MOVL    NMLST+164, R0               ; 0308
                     1E  13 00039    BEQL    5$
             02        50  D1 0003B    CMPL    R0, #2
                     05  13 0003E    BEQL    2$
             03        50  D1 00040    CMPL    R0, #3
                     07  12 00043    BNEQ    3$
     08      AE    04  A2  C0 00045 2$: ADDL2  NMLST+4, TEMP_DATIM+8
                     05  11 0004A    BRB     4$
     08      AE    04  A2  D0 0004C 3$: MOVL   NMLST+4, TEMP_DATIM+8
                     5B  15 00051 4$: BLEQ    13$
             1F    08  AE  D1 00053    CMPL    TEMP_DATIM+8, #31
                     55  14 00057    BGTR    13$
             02        62  D1 00059 5$: CMPL   NMLST, #2                    ; 0311
                     25  19 0005C    BLSS    9$
     50          00A8  C2  D0 0005E    MOVL    NMLST+168, R0               ; 0312
                     1E  13 00063    BEQL    9$
             02        50  D1 00065    CMPL    R0, #2
                     05  13 00068    BEQL    6$
             03        50  D1 0006A    CMPL    R0, #3
                     07  12 0006D    BNEQ    7$
     04      AE    08  A2  C0 0006f 6$: ADDL2  NMLST+8, TEMP_DATIM+4
```

```
L 4
                                                   05  11 00074         BRB     8$
                              04  AE       08       A2  D0 00076 7$:    MOVL    NMLST+8, TEMP_DATIM+4              0315
                                                   31  15 0007B 8$:     BLEQ    13$
                                  0C       04       AE  D1 0007D        CMPL    TEMP_DATIM+4, #12                0316
                                                   2B  14 00081         BGTR    13$
                                  03               62  D1 00083 9$:     CMPL    NMLST, #3
                                                   36  19 00086         BLSS    14$
                                  50     00AC       C2  D0 00088        MOVL    NMLST+172, R0
                                                   2F  13 0008D         BEQL    14$
                                  02               50  D1 0008F        CMPL    R0, #2
                                                   05  13 00092         BEQL    10$
                                  03               50  D1 00094        CMPL    R0, #3
                                                   06  12 00097         BNEQ    11$
                              6E      0C           A2  C0 00099 10$:    ADDL2   NMLST+12, TEMP_DATIM
                                                   04  11 0009D        BRB     12$
                              6E      0C           A2  D0 0009F 11$:    MOVL    NMLST+12, TEMP_DATIM
                                                   09  15 000A3 12$:    BLEQ    13$
                   0000270F  8F                    6E  D1 000A5        CMPL    TEMP_DATIM, #9999
                                                   10  15 000AC        BLEQ    14$
                                                   7E  D4 000AE 13$:    CLRL    -(SP)
                                   00000000G       8F  DD 000B0        PUSHL   #RNFINM
                   00000000G EF                    02  FB 000B6        CALLS   #2, ERMA
                                                   04 000BD            RET
                              63                   6E  7D 000BE 14$:    MOVQ    TEMP_DATIM, DATTIM                0319
                          08  A3       08          AE  D0 000C1        MOVL    TEMP_DATIM+8, DATTIM+8            0321
                                                   04 000C6            RET                                      0323
```

; Routine Size: 199 bytes,   Routine Base: $CODE$ + 0000

```
;   197          0324  1
;   198          0325  1 END                                              !End of module
;   199          0326  0 ELUDOM
```

                              PSECT SUMMARY

```
      Name                    Bytes                          Attributes

   $CODE$                       199  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
```

                    Library Statistics

File	-------- Symbols --------			Pages	Processing
	Total	Loaded	Percent	Mapped	Time
_255DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
_255DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	11	0	86	00:00.3

                          COMMAND QUALIFIERS

;   BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:SETDAT/OBJ=OBJ$:SETDAT MSRC$:SETDAT/UPDATE=(ENH$:SETDAT)

; Size: 199 code + 0 data bytes
; Run Time: 00:06.7
; Elapsed Time: 00:17.4
; Lines/CPU Min: 2906
; Lexemes/CPU-Min: 27548
; Memory Used: 69 pages
; Compilation Complete

STD
LIS

SUBST
LIS

SETDAT
LIS

STC
LIS

TITLES
LIS

STYLE
LIS

SCAN
LIS

TOPPAG
LIS

STKFRM
LIS

SKIPL
LIS

SUBPAG
LIS

SCL
LIS

SKPSEP
LIS

STHL
LIS

SETTIM
LIS