```
EEEEEEEEEEEEEEE   RRRRRRRRRRR      FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE   RRRRRRRRRRRR     FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE   RRRRRRRRRRRR     FFFFFFFFFFFFFFF
EEE               RRR          RRR  FFF
EEE               RRR          RRR  FFF
EEE               RRR          RRR  FFF
EEE               RRR          RRR  FFF
EEE               RRR          RRR  FFF
EEE               RRR          RRR  FFF
EEEEEEEEEEEE      RRRRRRRRRRRR      FFFFFFFFFFFF
EEEEEEEEEEEE      RRRRRRRRRRRR      FFFFFFFFFFFF
EEEEEEEEEEEE      RRRRRRRRRRRR      FFFFFFFFFFFF
EEE               RRR    RRR        FFF
EEE               RRR    RRR        FFF
EEE               RRR    RRR        FFF
EEE               RRR       RRR     FFF
EEE               RRR       RRR     FFF
EEE               RRR       RRR     FFF
EEEEEEEEEEEEEEE   RRR          RRR   FFF
EEEEEEEEEEEEEEE   RRR          RRR   FFF
EEEEEEEEEEEEEEE   RRR          RRR   FFF
EEEEEEEEEEEEEEE   RRR          RRR   FFF
```

FILEID**TIMCMP

```
TTTTTTTTTT    IIIIII    MM      MM    CCCCCCCC  MM      MM  PPPPPPPP
TTTTTTTTTT    IIIIII    MM      MM    CCCCCCCC  MM      MM  PPPPPPPP
    TT          II      MMMM  MMMM  CC          MMMM  MMMM  PP      PP
    TT          II      MMMM  MMMM  CC          MMMM  MMMM  PP      PP
    TT          II      MM  MM  MM  CC          MM  MM  MM  PP      PP
    TT          II      MM  MM  MM  CC          MM  MM  MM  PP      PP
    TT          II      MM      MM  CC          MM      MM  PPPPPPPP
    TT          II      MM      MM  CC          MM      MM  PPPPPPPP
    TT          II      MM      MM  CC          MM      MM  PP
    TT          II      MM      MM  CC          MM      MM  PP
    TT          II      MM      MM  CC          MM      MM  PP
    TT          II      MM      MM  CC          MM      MM  PP
    TT        IIIIII    MM      MM    CCCCCCCC  MM      MM  PP
    TT        IIIIII    MM      MM    CCCCCCCC  MM      MM  PP

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

```
0001          INTEGER*4 FUNCTION TIMCMP(A,B)
0002    C
0003    C Version:      'V04-000'
0004    C
0005    C******************************************************************************
0006    C*                                                                            *
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0024    C*                                                                            *
0025    C*                                                                            *
0026    C******************************************************************************
0027    C
0028
0029    C       Author  Bill Storey                     Creation Date:  Unknown
0030
0031    C++
0032    C
0033    C       FUNCTIONAL DESCRIPTION:
0034    C
0035    C
0036    C       INTEGER*4 FUNCTION TIMCMP is used to compare two VAX/VMS
0037    C       absolute time values.  Each time value is a binary number
0038    C       in 100-nanosecond units offset from the system base date
0039    C       and time, which is 17-NOV-1858 00:00:00.0.   Each absolute
0040    C       time is a positive value.
0041    C
0042    C       If A > B then a positive number is returned.
0043    C
0044    C       If A = B then 0 is returned.
0045    C
0046    C       If A < B then a negative number is returned.
0047    C
0048    C       Modified by:
0049    C
0050    C       v02-001 BP0001          Brian Porter,           01-DEC-1981
0051    C               Added protection against garbage being in date field
0052    C               of error log entry header.
0053    C**
0054    C--
0055
0056
0057
```

```
0058            INTEGER*4       A(0:1)
0059
0060            INTEGER*4       B(0:1)
0061
0062
0063
0064            TIMCMP  = lib$extzv(0,30,A(1)) - lib$extzv(0,30,B(1))
0065
0066            IF(TIMCMP .NE. 0)  RETURN
0067
0068            IF(IAND(IEOR(A(0),B(0)),'80000000'X) .EQ. 0)
0069           1        THEN
0070                            TIMCMP = A(0) - B(0)
0071                    ELSE
0072                            TIMCMP = B(0)
0073            ENDIF
0074
0075            RETURN
0076
0077            END
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	106	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	8	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2	$LOCAL	76	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
	Total Space Allocated	190	

ENTRY POINTS

Address	Type	Name
0-00000000	I*4	TIMCMP

ARRAYS

Address	Type	Name	Bytes	Dimensions
AP-00000004@	I*4	A	8	(0:1)
AP-00000008@	I*4	B	8	(0:1)

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name
I*4	LIB$EXTZV

```
COMMAND QUALIFIERS

  FORTRAN /LIS=LIS$:TIMCMP/OBJ=OBJ$:TIMCMP MSRC$:TIMCMP

  /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
  /DEBUG=(NOSYMBOLS,TRACEBACK)
  /STANDARD=(NOSYNTAX,NOSOURCE_FORM)
  /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
  /F77  /NOG_FLOATING  /I4  /OPTIMIZE  /WARNINGS  /NOD_LINES  /NOCROSS_REFERENCE  /NOMACHINE_CODE  /CONTINUATIONS=19


COMPILATION STATISTICS

  Run Time:              0.90 seconds
  Elapsed Time:          4.08 seconds
  Page Faults:           93
  Dynamic Memory:        164 pages
```

0154 AH-BT13A-SE
VAX/VMS V4.0

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TIMCMP.LIS
TUTAPE.LIS
SBI.LIS
STSEVENT.LIS
TRNS_BITS.LIS
UBAERR.LIS
TIMRB.LIS
UBA.LIS
TU81SENSE.LIS
UNDEFINED.LIS
SYSPWRFL.LIS
SUMMARY.LIS
UNKN_DISP.LIS
SHRVECTOR.LIS
SYSTARTUP.LIS
UBAINT.LIS
TOF.LIS
UNKNOWN.LIS
TSTAPE.LIS