


```

FFFFFFFFF 000000 RRRRRRRR DDDDDDDD AAAAAA TTTTTTTTTT EEEEEEEEE EEEEEEEEE DDDDDDDD SSSSSSSS
FFFFFFFFF 000000 RRRRRRRR DDDDDDDD AAAAAA TTTTTTTTTT EEEEEEEEE EEEEEEEEE DDDDDDDD SSSSSSSS
FF         00      00 RR      RR DD      DD AA      AA TT      TT EE      EE DD      DD SS
FF         00      00 RR      RR DD      DD AA      AA TT      TT EE      EE DD      DD SS
FF         00      00 RR      RR DD      DD AA      AA TT      TT EE      EE DD      DD SS
FF         00      00 RR      RR DD      DD AA      AA TT      TT EE      EE DD      DD SS
FFFFFFFFF 00      00 RRRRRRRR DD      DD AA      AA TT      TT EEEEEEEE DD      DD SSSSSS
FFFFFFFFF 00      00 RRRRRRRR DD      DD AA      AA TT      TT EEEEEEEE DD      DD SSSSSS
FF         00      00 RR  RR  DD      DD AAAAAAAAAA TT      TT EE      EE DD      DD SS
FF         00      00 RR  RR  DD      DD AAAAAAAAAA TT      TT EE      EE DD      DD SS
FF         00      00 RR  RR  DD      DD AA      AA TT      TT EE      EE DD      DD SS
FF         00      00 RR  RR  DD      DD AA      AA TT      TT EE      EE DD      DD SS
FF         000000 RR      RR DDDDDDDD AA      AA TT      TT EEEEEEEEE DDDDDDDD SSSSSSSS
FF         000000 RR      RR DDDDDDDD AA      AA TT      TT EEEEEEEEE DDDDDDDD SSSSSSSS

```

```

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

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MA

(2)	52	HISTORY	; Detailed Current Edit History
(3)	62	DECLARATIONS	
(4)	89	FOR\$DATE_T_DS	- return system date to FORTRAN string

```
0000 1 .TITLE  FOR$DATE_T_DS ; return system date to FORTRAN
0000 2 ; character string
0000 3 .IDENT  /1-002/ ; File: FORDATEDS.MAR
0000 4
0000 5
0000 6 :*****
0000 7 :*
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0000 25 :*
0000 26 :*
0000 27 :*****
0000 28 :
0000 29 :
0000 30 : FACILITY: FORTRAN SYSTEM ROUTINE - FORTRAN LIBRARY
0000 31 :++
0000 32 : ABSTRACT:
0000 33 : Return system date in the form DD-MMM-YY to a FORTRAN (fixed-len)
0000 34 : string.
0000 35 :
0000 36 :--
0000 37 :
0000 38 : VERSION: 0
0000 39 :
0000 40 : HISTORY:
0000 41 :
0000 42 : AUTHOR:
0000 43 : Jonathan M. Taylor, 23-Aug-77: Version 0
0000 44 :
0000 45 : MODIFIED BY:
0000 46 :
0000 47 : 0-1 original JMT 23-Aug-77
0000 48 : 0-2 squeezed a byte out. JMT 29-Jan-78
0000 49 :
0000 50 :
```


FOR\$DATE_T_DS
1-002

E 13
; return system date to FORTRAN 15-SEP-1984 23:50:21 VAX/VMS Macro V04-00 Page 2
HISTORY ; Detailed Current Edit History 6-SEP-1984 10:54:35 [FORRTL.SRC]FORDATEDS.MAR;1 (2)

0000 52 .SBTTL HISTORY ; Detailed Current Edit History
0000 53
0000 54
0000 55 ; Edit History for Version 0 of FOR\$DATE_T_DS
0000 56 ;
0000 57
0000 58 : 0-3 - Remove FOR\$FLAG_JACKET. TNH 11-July-78
0000 59 : 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 60 : 1-002 - Add "_" to the PSECT directive. JBS 22-DEC-78

```
0000 62 .SBTTL DECLARATIONS
0000 63
0000 64 :
0000 65 : INCLUDE FILES:
0000 66 : oerr.mar
0000 67 :
0000 68 :
0000 69 : EXTERNAL SYMBOLS:
0000 70 : none
0000 71 :
0000 72 :
0000 73 : MACROS:
0000 74 : none
0000 75 :
0000 76 :
0000 77 : PSECT DECLARATIONS:
00000000 78 : .PSECT _FOR$CODE LONG, EXE, NOWRT, PIC, SHR
0000 79 :
0000 80 :
0000 81 : EQUATED SYMBOLS:
0000 82 : none
0000 83 :
0000 84 :
0000 85 : OWN STORAGE:
0000 86 : none
0000 87
```



```

0000 89      .SBTTL  FOR$DATE_T_DS - return system date to FORTRAN string
0000 90
0000 91      :++
0000 92      : FUNCTIONAL DESCRIPTION:
0000 93      : Use system service ASCTIM to move system date to a local (stack)
0000 94      : buffer. Move the last 2 digits of date on top of 1st 2 -
0000 95      : "1977" -> "7777". Return this date to user string.
0000 96      :
0000 97      : CALLING SEQUENCE:
0000 98      : CALL    FOR$DATE_T_DS (date_string.wt.ds)
0000 99      :
0000 100     :
0000 101     : INPUT PARAMETERS:
0000 102     : date_string is the address of a fixed-len string.
0000 103     :
0000 104     : IMPLICIT INPUTS:
0000 105     : NONE
0000 106     :
0000 107     : OUTPUT PARAMETERS:
0000 108     : NONE
0000 109     :
0000 110     : IMPLICIT OUTPUTS:
0000 111     : NONE
0000 112     :
0000 113     : COMPLETION CODES:
0000 114     : NONE
0000 115     :
0000 116     : SIDE EFFECTS:
0000 117     : NONE
0000 118     :
0000 119     :--
0000 120
0000 121
0000 122
0000 123     .ENTRY  FOR$DATE_T_DS, ^M<R2,R3,R4,R5>
0000 124     SUBL   #12, SP          ; make room for date string
0000 125     MOVL  SP, R2          ; R2 -> room
0000 126     MOVL  R2, -(SP)       ; build a string descriptor for room
0000 127     MOVL  #^X10E000B, -(SP) ; len = 11
0000 128     MOVL  SP, R0          ; R0 -> src descriptor
0000 129     $ASCTIM_S (R0)        ; R2 -> date string
0000 130     MOVW  -9(R2), 7(R2)     ; mung up year
0000 131     MOVQ  @4(AP), R0        ; R0/R1 = string descriptor
0000 132     MOVCS #9, (R2), #^A/ /, R0, (R1)
0000 133     ; move into dest buffer
0000 134     RET
0000 135
0000 136
0000 137     .END
  
```

				003C		
	5E	0C		C2	0002	124
	52	5E		D0	0005	125
	7E	52		D0	0008	126
7E	010E000B	8F		D0	000B	127
	50	5E		D0	0012	128
					0015	129
	07 A2	09 A2		B0	0024	130
	50	04 BC		7D	0029	131
61	50	20	62	09	2C	002D
					0033	132
				04	0033	133
					0034	134
					0034	135
					0034	136
					0034	137

FORS\$DATE_T_DS
Symbol table

; return system date to FORTRAN

H 13

15-SEP-1984 23:50:21
6-SEP-1984 10:54:35

VAX/VMS Macro V04-00
[FORRTL.SRC]FORDATEDS.MAR;1

Page 5
(4)

FORS\$DATE_T_DS 00000000 RG 01
SYSS\$ASCTIM ***** G 01

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes												
ABS	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE		
_FOR\$CODE	00000034 (52.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG		

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	31	00:00:00.08	00:00:01.07
Command processing	117	00:00:00.53	00:00:03.66
Pass 1	102	00:00:00.58	00:00:03.24
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.32	00:00:01.46
Symbol table output	2	00:00:00.02	00:00:00.11
Psect synopsis output	2	00:00:00.02	00:00:00.12
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	294	00:00:01.56	00:00:09.69

The working set limit was 1050 pages.
1807 bytes (4 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.
137 source lines were read in Pass 1, producing 11 object records in Pass 2.
2 pages of virtual memory were used to define 2 macros.

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

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	2

15 GETS were required to define 2 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:FORDATEDS/OBJ=OBJ\$:FORDATEDS MSRC\$:FORDATEDS/UPDATE=(ENH\$:FORDATEDS)

