


```

CCCCCCCC 000000 BBBB8888 AAAAAA CCCCCCCC CCCCCCCC DDDDDDDD AAAAAA TTTTTTTTTT
CCCCCCCC 000000 BBBB8888 AAAAAA CCCCCCCC CCCCCCCC DDDDDDDD AAAAAA TTTTTTTTTT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TTTT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BBBB8888 AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BBBB8888 AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BB      BB  AAAAAAAAAA CC        CC        DD      DD  AAAAAAAAAA TT
CC        00      00  BB      BB  AAAAAAAAAA CC        CC        DD      DD  AAAAAAAAAA TT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TT
CC        00      00  BB      BB  AA      AA  CC        CC        DD      DD  AA      AA  TT
CCCCCCCC 000000 BBBB8888 AA      AA  CCCCCCCC CCCCCCCC DDDDDDDD AA      AA  TT
CCCCCCCC 000000 BBBB8888 AA      AA  CCCCCCCC CCCCCCCC DDDDDDDD 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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

```

```

1 0001 0 MODULE COBSACC_DATE (
2 0002 0 IDENT = '1-005'
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: COBOL SUPPORT
33 0033 1
34 0034 1 ABSTRACT
35 0035 1
36 0036 1
37 0037 1
38 0038 1 ENVIRONMENT: Vax-11 User Mode
39 0039 1
40 0040 1 AUTHOR: MLJ , CREATION DATE: 16-JAN-1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. MLJ 16-JAN-1979
45 0045 1 1-002 - Added boilerplate and comments. RKR 18-JULY-1979
46 0046 1 1-003 - Declare psects via library macro. RKR 23-AUG-1979
47 0047 1 1-004 - Change symbolic name of LIBRARY file. RKR 1-OCT-79
48 0048 1 1-005 - Cosmetic changes. RKR 18-OCT-79
49 0049 1
50 0050 1 --
51 0051 1
52 0052 1 !<BLF/PAGE>

```

```
54 0053 1 |  
55 0054 1 | SWITCHES  
56 0055 1 |  
57 0056 1 |  
58 0057 1 SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);  
59 0058 1 |  
60 0059 1 |  
61 0060 1 | LINKAGES  
62 0061 1 |  
63 0062 1 | NONE  
64 0063 1 |  
65 0064 1 | TABLE OF CONTENTS:  
66 0065 1 |  
67 0066 1 FORWARD ROUTINE  
68 0067 1 |  
69 0068 1 COBSACC_DATE : NOVALUE ;  
70 0069 1 |  
71 0070 1 | INCLUDE FILES  
72 0071 1 |  
73 0072 1 |  
74 0073 1 REQUIRE 'RTLIN:RTLPSECT' ; ! Macros for psect declarations  
75 0168 1 LIBRARY 'RTLSTARLE';  
76 0169 1 |  
77 0170 1 |  
78 0171 1 | MACROS  
79 0172 1 |  
80 0173 1 | NONE  
81 0174 1 |  
82 0175 1 | EQUATED SYMBOLS  
83 0176 1 |  
84 0177 1 | NONE  
85 0178 1 |  
86 0179 1 | PSECT DECLARATIONS:  
87 0180 1 |  
88 0181 1 DECLARE_PSECTS (COB) ; ! Psects for COB$ facility  
89 0182 1 |
```

```

91 0183 1 GLOBAL ROUTINE COBSACC_DATE(DST): NOVALUE=
92 0184 1
93 0185 1 +- FUNCTIONAL DESCRIPTION
94 0186 1
95 0187 1 Returns date as YYYYMMDD
96 0188 1
97 0189 1
98 0190 1 FORMAL PARAMETERS:
99 0191 1
100 0192 1 DST.wt.ds Address of string descriptor to receive date
101 0193 1
102 0194 1 IMPLICIT INPUTS:
103 0195 1
104 0196 1 Date, as supplied by SASCTIM call
105 0197 1
106 0198 1 IMPLICIT OUTPUTS:
107 0199 1
108 0200 1 NONE
109 0201 1
110 0202 1 ROUTINE VALUE:
111 0203 1 COMPLETION CODES:
112 0204 1
113 0205 1 NONE
114 0206 1
115 0207 1 SIDE EFFECTS:
116 0208 1
117 0209 1 NONE
118 0210 1
119 0211 1 --
120 0212 1
121 0213 2 BEGIN
122 0214 2 MAP
123 0215 2 DST: REF BLOCK[,BYTE]; ! Pointer to destination descriptor
124 0216 2 BIND
125 0217 2 MONTHNAME = UPLIT(
126 0218 2 'JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ')
127 0219 2 : BLOCK[,LONG],
128 0220 2
129 0221 2 MONTHNUM = UPLIT(
130 0222 2 '010203040506070809101112')
131 0223 2 : BLOCK[,WORD];
132 0224 2 LOCAL
133 0225 2 TIMBUF: BLOCK[11,BYTE], ! Buffer for SASCTIM
134 0226 2 BUFFER: BLOCK[6,BYTE], ! Buffer for assembling output
135 0227 2 TIMDESC: VECTOR[2]; ! Descriptor for TIMBUF
136 0228 2
137 0229 2
138 0230 2 TIMDESC[0] = 11; ! Set up descriptor
139 0231 2 TIMDESC[1] = TIMBUF;
140 0232 2 SASCTIM(TIMBUF=TIMDESC); ! Get date
141 0233 2 BUFFER[0,0,16,0] = .TIMBUF[9,0,16,0]; ! Copy year of century
142 0234 2 INCR I FROM 0 TO 11 DO
143 0235 2 BEGIN
144 0236 2 IF .MONTHNAME[.I,0,24,0] EQL .TIMBUF[3,0,24,0]
145 0237 2 THEN
146 0238 2 BEGIN ! Copy month of year
147 0239 2 BUFFER[2,0,16,0] = .MONTHNUM[.I,0,16,0];

```

: 148 0240 4
: 149 0241 3
: 150 0242 2
: 151 0243 2
: 152 0244 2
: 153 0245 2
: 154 0246 1

```
EXITLOOP:
END:
END:
BUFFER[4,0,16,0] = .TIMBUF[0,0,16,0]; ! Copy day of month
IF .BUFFER[4,0,8,0] EQL %C' ' THEN BUFFER[4,0,8,0] = %C'0';
CH$COPY(6, BUFFER, %C' ', .DST[DSC$W_LENGTH], .DST[DSC$A_POINTER]);
END;
```

.TITLE COBSACC_DATE
.IDENT \1-005\

.PSECT _COB\$CODE,NOVRT, SHR, PIC,2

52 50 41 20 52 41 4D 20 42 45 46 20 4E 41 4A 00000 P.AAA: .ASCII \JAN FEB MAR APR MAY JUN JUL AUG SEP OCT \
55 41 20 4C 55 4A 20 4E 55 4A 20 59 41 4D 20 0000F
20 54 43 4F 20 50 45 53 20 47 0001E
30 37 30 36 30 35 30 34 30 33 30 32 30 31 30 00030 P.AAB: .ASCII \NOV DEC \
32 31 31 31 30 31 39 30 38 0003F \010203040506070809101112\

MONTHNAME= P.AAA
MONTHNUM= P.AAB
.EXTRN SYSSASCTIM

```
003C 00000 .ENTRY COBSACC_DATE, Save R2,R3,R4,R5 : 0183
SE 18 C2 00002 SUBL2 #24, SP : 0230
04 AE 10 0B DD 00005 PUSHL #11 : 0231
AE 7E 7C 0000C MOVAB TIMBUF, TIMDESC+4 : 0232
08 AE 9F 0000E CLRG -(SP)
7E D4 00011 PUSHAB TIMDESC
04 FB 00013 CLRL -(SP)
00000000G 00 04 FB 00013 CALLS #4, SYSSASCTIM
08 AE 19 AE B0 0001A MOVW TIMBUF+9, BUFFER : 0233
50 D4 0001F CLRL I : 0236
51 13 AE 18 00 EF 00021 1$: EXTZV #0, #24, TIMBUF+3, R1
51 9E 18 8D AF40 DF 00027 PUSHAL MONTHNAME[I]
08 12 00030 CMPZV #0, #24, @ (SP)+, R1
0A AE B2 AF40 B0 00032 BNEQ 2$ : 0239
04 11 00038 MOVW MONTHNUM[I], BUFFER+2 : 0238
E3 50 0B F3 0003A 2$: AOBLEQ #11, I, 1$ : 0234
OC AE 10 AE B0 0003E 3$: MOVW TIMBUF, BUFFER+4 : 0243
20 OC AE 91 00043 CMPB BUFFER+4, #32 : 0244
OC AE 30 90 00049 BNEQ 4$
60 20 0B AE 04 AC D0 0004D 4$: MOVB #48, BUFFER+4 : 0245
04 06 2C 00051 MOVL DST, R0
04 B0 00057 MOVCS #6, BUFFER, #32, (R0), @4(R0)
04 00059 RET : 0246
```

; Routine Size: 90 bytes, Routine Base: _COB\$CODE + 0048

: 155 0247 1
: 156 0248 0 EA ELUDOM

COBSACC_DATE
1-005

K 11
15-Sep-1984 23:47:28
14-Sep-1984 12:10:20

VAX-11 Bliss-32 V4.0-742
[COBRTL.SRC]COBACCDAT.B32;1

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(3)

PSECT SUMMARY

```

:
: Name Bytes Attributes
:
: _COB$CODE 162 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
:

```

Library Statistics

```

:
: File Total Symbols Loaded Percent Pages Mapped Processing Time
:
: _$255$DUA28:[SYSLIB]STARLET.L32;1 9776 5 0 581 00:00.8
:

```

COMMAND QUALIFIERS

```

:
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:COBACCDAT/OBJ=OBJ$:COBACCDAT MSRCS$:COBACCDAT/UPDATE=(ENHS$:COBACCDAT
: )
:

```

```

: Size: 90 code + 72 data bytes
: Run Time: 00:03.1
: Elapsed Time: 00:20.8
: Lines/CPU Min: 4815
: Lexemes/CPU-Min: 26718
: Memory Used: 56 pages
: Compilation Complete
:

```


Grid of 10x10 cells, each containing a small document page with text and diagrams.

TYPEMAIN
LIS

COBPROLOG
REQ

COBACCDAT
LIS

COBACCDWK
LIS

UNLOCK
LIS

UTIL SUBS
LIS

INTPAR
SOL

COBDEF
REQ

COBACCDAY
LIS

COBACCUCU
LIS

COBRTL

COBLNK
REQ

COBRTL
MAP