



```

SSSSSSSS  UU      UU  MM      MM  DDDDDDDD  AAAAAA  TTTTTTTTTT  AAAAAA
SSSSSSSS  UU      UU  MM      MM  DDDDDDDD  AAAAAA  TTTTTTTTTT  AAAAAA
SS        UU      UU  MMMM   MMMM  DD        DD  AA        AA  TT        AA        AA
SS        UU      UU  MMMM   MMMM  DD        DD  AA        AA  TT        AA        AA
SS        UU      UU  MM     MM  DD        DD  AA        AA  TT        AA        AA
SS        UU      UU  MM     MM  DD        DD  AA        AA  TT        AA        AA
SSSSSSS   UU      UU  MM     MM  DD        DD  AA        AA  TT        AA        AA
SSSSSSS   UU      UU  MM     MM  DD        DD  AA        AA  TT        AA        AA
SS        UU      UU  MM     MM  DD        DD  AAAAAAAAAA  TT        AAAAAAAAAA
SS        UU      UU  MM     MM  DD        DD  AAAAAAAAAA  TT        AAAAAAAAAA
SS        UU      UU  MM     MM  DD        DD  AA        AA  TT        AA        AA
SS        UU      UU  MM     MM  DD        DD  AA        AA  TT        AA        AA
SSSSSSSS  UUUUUUUUUU  MM     MM  DDDDDDDD  AA        AA  TT        AA        AA
SSSSSSSS  UUUUUUUUUU  MM     MM  DDDDDDDD  AA        AA  TT        AA        AA

```

```

....
....
....
....

```

```

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

```

SUMSDATA  
Table of contents

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16-SEP-1984 02:09:53 VAX/VMS Macro V04-00

Page 0

SUM  
V04

(2) 48 GLOBAL DATA

```
0000 1 .TITLE SUM$DATA
0000 2
0000 3 .IDENT 'V04-000'
0000 4
0000 5
0000 6 *****
0000 7 *
0000 8 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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0000 25 *
0000 26 *
0000 27 *****
0000 28
0000 29
0000 30 ++
0000 31 : FACILITY:
0000 32
0000 33 : ABSTRACT:
0000 34
0000 35
0000 36 : ENVIRONMENT: USER MODE
0000 37
0000 38 : AUTHOR: R. Newland
0000 39
0000 40
0000 41 : MODIFIED BY:
0000 42
0000 43
0000 44 : : VERSION
0000 45 : 01 -
0000 46 : --
```

GLOBAL DATA

```
0000 48 .SBTTL GLOBAL DATA
0000 49 :
0000 50 :
0000 51 :
0000 52 : Macro declarations
0000 53 :
0000 54 :
0000 55 :
0000 56 DEFUPFBLK
0000 57 :
0000 58 :
00000000 59 .PSECT SUM$GLOBAL,NOEXE,LONG
0000 60 :
0000 61 :
00000004 0000 62 SUM$VIRT_ADDR:: ; Long word to put virtual memory
0000 63 .BLKL 1 ; address returned by LIB$GET_VM
0004 64 :
0004 65 SUM$FAB:: ; File access block
0004 66 $FAB FAC = GET
0054 67 :
00000098 0054 68 SUM$BLSZE:: ; Size of Update file block
0058 69 .LONG UPF_K_BLN
0058 70 :
0058 71 .END
```

SUM\$DATA  
Symbol table

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16-SEP-1984 02:09:53 VAX/VMS Macro V04-00  
5-SEP-1984 03:38:38 [SUM.SRC]SUMDATA.MAR;1

Page 3  
(2)

```

$$ .TAB          = 00000004 R    02
$$ .TABEND      = 00000054 R    02
$$ .TMP         = 00000000
BIT...         = 00000005
FAB$C_BID      = 00000003
FAB$C_BLN     = 00000050
FAB$C_SEQ     = 00000000
FAB$C_VAR     = 00000002
FAB$S_ALQ    = 00000010
FAB$S_FOP    = 00000004
FAB$V_CHAN_MODE = 00000002
FAB$V_FILE_MODE = 00000004
FAB$V_GET    = 00000001
FAB$V_LNM_MODE = 00000000
FAB$W_GBC    = 00000048
NAM$K_BLN    = 00000060
SIZ...        = 00000001
SUM$BLSIZE    = 00000054 RG   02
SUM$FAB       = 00000004 RG   02
SUM$VIRT_ADDR = 00000000 RG   02
SUM_M_AUDIT   = 00000001
SUM_M_AUDITNEW = 00000002
SUM_M_DELETE  = 00000010
SUM_M_SRCUPD  = 00000004
SUM_M_SUBCLSH = 00000008
SUM_V_AUDIT   = 00000000
SUM_V_AUDITNEW = 00000001
SUM_V_DELETE  = 00000004
SUM_V_SRCUPD  = 00000002
SUM_V_SUBCLSH = 00000003
UPF_B_EDFLAGS = 00000009
UPF_B_FIFLAGS = 00000008
UPF_B_FILENO  = 0000000C
UPF_K_BLN    = 00000098
UPF_L_PTR    = 00000000
UPF_Q_AUDDS  = 00000018
UPF_Q_CMNT   = 00000020
UPF_Q_EDITS  = 00000010
UPF_T_AUDST  = 00000028
UPF_T_NAM    = 00000038
UPF_W_DOT    = 0000000A
UPF_W_LOC1   = 00000004
UPF_W_LOC2   = 00000006

```

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

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 ( 0.)	00 ( 0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$AB\$\$	00000098 ( 152.)	01 ( 1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
SUM\$GLOBAL	00000058 ( 88.)	02 ( 2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG

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

Phase	Page faults	CPU Time	Elapsed Time
-----	-----	-----	-----
Initialization	35	00:00:00.08	00:00:01.47
Command processing	133	00:00:00.56	00:00:01.60
Pass 1	193	00:00:04.08	00:00:10.53
Symbol table sort	0	00:00:00.37	00:00:00.81
Pass 2	30	00:00:00.64	00:00:01.85
Symbol table output	7	00:00:00.05	00:00:00.06
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	401	00:00:05.82	00:00:16.35

The working set limit was 1050 pages.  
18432 bytes (36 pages) of virtual memory were used to buffer the intermediate code.  
There were 20 pages of symbol table space allocated to hold 369 non-local and 0 local symbols.  
71 source lines were read in Pass 1, producing 13 object records in Pass 2.  
19 pages of virtual memory were used to define 15 macros.

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

Macro library name	Macros defined
-----	-----
_\$255\$DUA28:[SUM.OBJ]SUM.MLB;1	2
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	9
TOTALS (all libraries)	11

536 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SUMDATA/OBJ=OBJ\$:SUMDATA MSRC\$:SUMDATA/UPDATE=(ENH\$:SUMDATA)+LIB\$:SUM/LIB

SUMSLP MAP

DATA LIS

SUMSHR MAP

SUMDATA LIS

SUM

SUM MAP

SUMDEF MAR

MAIN LIS

SUMED LIS

SUMEDT LIS

GETCMD LIS

SRTTRMSG LIS

UTLCHKCLI LIS