

[illegible][illegible]

```
SSSSSSSS  UU      UU  MM      MM
SSSSSSSS  UU      UU  MM      MM
SS        UU      UU  MMMM   MMMM
SS        UU      UU  MMMM   MMMM
SS        UU      UU  MM     MM
SS        UU      UU  MM     MM
SSSSSS    UU      UU  MM      MM
SSSSSS    UU      UU  MM      MM
          SS      UU      MM      MM
          SS      UU      MM      MM
          SS      UU      MM      MM
          SS      UU      MM      MM
SSSSSSSS  UUUUUUUUU  MM      MM
SSSSSSSS  UUUUUUUUU  MM      MM
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....
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```
MM      MM      AAAAAA  PPPPPPP
MM      MM      AAAAAA  PPPPPPP
MMMM  MMMM  AA      AA  PP      PP
MMMM  MMMM  AA      AA  PP      PP
MM  MM  MM  AA      AA  PP      PP
MM  MM  MM  AA      AA  PP      PP
MM  MM  MM  AA      AA  PPPPPPP
MM  MM  MM  AA      AA  PPPPPPP
MM  MM  MM  AAAAAAAAAA  PP
MM  MM  MM  AAAAAAAAAA  PP
MM  MM  MM  AA      AA  PP
MM  MM  MM  AA      AA  PP
MM  MM  MM  AA      AA  PP
MM  MM  MM  AA      AA  PP
```


Module Name	Ident	Bytes	File	Creation Date	Creator
SUM	V04-000	4199	-\$255\$DUA28:[SUM.OBJ]SUM.OLB;1	16-SEP-1984 02:14	VAX/VMS Macro V04-00
SUMFILES	V04-000	1166	-\$255\$DUA28:[SUM.OBJ]SUM.OLB;1	16-SEP-1984 02:16	VAX/VMS Macro V04-00
SUMED	V04-000	2591	-\$255\$DUA28:[SUM.OBJ]SUM.OLB;1	16-SEP-1984 02:15	VAX/VMS Macro V04-00
RMS\$GLOBALS	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 01:35	VAX/VMS Macro V04-00
SYSS\$SDEF	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 01:18	VAX/VMS Macro V04-00
SYSS\$P1_VECTOR	V04-000	0	-\$255\$DUA28:[SYSLIB]STARLET.OLB;2	16-SEP-1984 00:40	VAX/VMS Macro V04-00
LIBRTL	V04-000	0	-\$255\$DUA28:[SYSLIB]LIBRTL.EXE;1	16-SEP-1984 04:00	VAX-11 Linker V04-00

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! Image Section Synopsis !
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Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
DEFAULT_CLUSTER	0	2	00000200	2	0	READ WRITE COPY ON REF				
	0	9	00000600	4	0	READ ONLY				
	0	6	00001800	13	0	READ WRITE COPY ON REF				
	0	1	00002400	19	0	READ WRITE FIXUP VECTORS				
	253	20	7FFFD800	0	0	READ WRITE DEMAND ZERO				
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO	LIBRTL_002	LESS/EQUAL	1	11

Key for special characters above:

+-----+
! R - Relocatable !
! P - Protected !
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! Program Section Synopsis !
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Psect Name	Module Name	Base	End	Length	Align	Attributes
\$DATA	SUM	00000200	000005CA	000003CB (	971.)	BYTE 0 NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	SUMED	00000200	00000520	00000321 (	801.)	BYTE 0
		00000521	000005CA	000000AA (	170.)	BYTE 0
\$CODE	SUM	00000600	000015A4	00000FA5 (	4005.)	BYTE 0 NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	SUMFILES	00000600	00000889	0000028A (	650.)	BYTE 0
	SUMED	0000088A	00000D17	0000048E (	1166.)	BYTE 0
		00000D18	000015A4	0000088D (	2189.)	BYTE 0
_LIB\$KEY0\$	SUMED	000015A6	000015A6	00000000 (	0.)	WORD 1 PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
		000015A6	000015A6	00000000 (	0.)	WORD 1
_LIB\$KEY1\$	SUMED	000015A6	000015A6	00000000 (	0.)	WORD 1 PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
		000015A6	000015A6	00000000 (	0.)	WORD 1
_LIB\$STATES	SUMED	000015A6	0000168D	000000E8 (	232.)	BYTE 0 PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC
		000015A6	0000168D	000000E8 (	232.)	BYTE 0
\$RMSNAM	SUM	00001800	00001816	00000017 (	23.)	BYTE 0 NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD, WRT,NOVEC
		00001800	00001816	00000017 (	23.)	BYTE 0
ERRORS	SUM	00001817	00001A9F	00000289 (	649.)	BYTE 0 NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD, WRT,NOVEC
		00001817	00001A9F	00000289 (	649.)	BYTE 0
RMS	SUM	00001AA0	000022BB	0000081C (	2076.)	BYTE 0 NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD, WRT,NOVEC
		00001AA0	000022BB	0000081C (	2076.)	BYTE 0


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! Symbols By Name !
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Symbol	Value	Symbol	Value	Symbol	Value	Symbol	Value
ACT_SUPPRESS	0000159C-R	MERGE_FILES	00000D18-R				
AUDIT_OFF	000004BC-R	MERGE_FLAGS	00000499-R				
AUDIT_ON	000004BB-R	MERM_OUTPUT	00000001				
AUDIT_TRAIL	000004DF-R	OPEN_FILES	00000B8E-R				
CLOSE_FILES	00000CED-R	OUTDES	000004F9-R				
CMD_INPUT_POS	000003D3-R	OUTLEN	00000501-R				
CMD_INPUT_RAB	00000250-R	OUTPUT_BUF	00001B34-R				
CMD_INPUT_SIZE	000003CF-R	OUTPUT_FAB	00001AA0-R				
COMMAS	000004D6-R	OUTPUT_NAM	00001D34-R				
COMMENTS	000004ED-R	OUTPUT_RAB	00001AF0-R				
DEF_AUDIT	00000511-R	PROMPT_CONT	00000348-R				
DEF_NAME	00000505-R	PROMPT_INPUT	00000328-R				
EDIT_NODES	0000049B-R	PROMPT_OUTPUT	00000338-R				
ED_SIZE	000004B3-R	RANDOM_BUF	000020BC-R				
END_EDIT	000004BD-R	RANDOM_FAB	00002028-R				
FILE_NODES	000004A3-R	RANDOM_FILE	000022BC-R				
FILE_SIZE	000004B7-R	RANDOM_RAB	00002078-R				
GET_FILES	0000088A-R	REQ_COMMAND	000003D7-R				
GET_HANDLER	00000761-R	RMS\$ EOF	0001827A				
HANDLER	0000077D-R	SLPM_AUDIT	00000002				
INITIALISE	00000685-R	SLPM_OPEN	00000001				
INPUT_BUF	00001E28-R	SLPM_SUPPRESS	00000004				
INPUT_FAB	00001D94-R	SLPV_SUPPRESS	00000002				
INPUT_RAB	00001DE4-R	SLP_AUDDS	00000481-R				
LIB\$FREE_VM	00002450-RX	SLP_AUDST	00000489-R				
LIB\$GET_VM	00002454-RX	SLP_FLAGS	0000047F-R				
LIB\$SIGNAL	00002448-RX	SLP_SIZE	000004AF-R				
LIB\$TPARSE	0000244C-RX	SS\$ CONTINUE	00000001				
LOC_ONE	000004BE-R	SS\$ RESIGNAL	00000918				
LOC_TWO	000004CA-R	START	00000600-R				
MERS\$ ATSIGN	00008850	SUM_MER_KEY	000015A6-R				
MERS\$ CLASH	00008840	SUM_MER_STATE	000015A6-R				
MERS\$ CLOSER	00008870	SYSS\$CLOSE	7FFEE1B8				
MERS\$ CLSHLN	00008848	SYSS\$CONNECT	7FFEE1C0				
MERS\$ CONNED	00008860	SYSS\$CREATE	7FFEE1C8				
MERS\$ CREATE	00008828	SYSS\$DISCONNECT	7FFEE1D0				
MERS\$ CTCHER	0000800A	SYSS\$FAO	7FFEDF50				
MERS\$ DISCON	00008868	SYSS\$FAOL	7FFEDF58				
MERS\$ INPEOF	00008838	SYSS\$GET	7FFEE180				
MERS\$ INVPMO	00008880	SYSS\$OPEN	7FFEE208				
MERS\$ NONODE	00008012	SYSS\$PARSE	7FFEE230				
MERS\$ NULLFS	00008808	SYSS\$PUT	7FFEE188				
MERS\$ ONEOUT	00008810	SYSS\$UNWIND	7FFEE070				
MERS\$ OPENER	00008820	VIRT_ADDR	000004AB-R				
MERS\$ OUTERR	00008830						
MERS\$ PRSERR	00008818						
MERS\$ READER	00008878						
MERS\$ REOPEN	00008858						
MERS\$ SYNTAX	00008888						

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! Symbols By Value !
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Value	Symbols...
-----	-----
00000001	MERM_OUTPUT
00000002	SLPM_AUDIT
00000004	SLPM_SUPPRESS
00000250	R-CMD_INPUT_RAB
00000328	R-PROMPT_INPUT
00000338	R-PROMPT_OUTPUT
00000348	R-PROMPT_CONT
000003CF	R-CMD_INPUT_SIZE
000003D3	R-CMD_INPUT_POS
000003D7	R-REQ_COMMAND
0000047F	R-SLP_FLAGS
00000481	R-SLP_AUDDS
00000489	R-SLP_AUDST
00000499	R-MERGE_FLAGS
0000049B	R-EDIT_NODES
000004A3	R-FILE_NODES
000004AB	R-VIRT_ADDR
000004AF	R-SLP_SIZE
000004B3	R-ED_SIZE
000004B7	R-FILE_SIZE
000004BB	R-AUDIT_ON
000004BC	R-AUDIT_OFF
000004BD	R-END_EDIT
000004BE	R-LOC_ONE
000004CA	R-LOC_TWO
000004D6	R-COMMAS
000004DF	R-AUDIT_TRAIL
000004ED	R-COMMENTS
000004F9	R-OUTDES
00000501	R-OUTLEN
00000505	R-DEF_NAME
00000511	R-DEF_AUDIT
00000600	R-START
00000685	R-INITIALISE
00000761	R-GET_HANDLER
0000077D	R-HANDLER
0000088A	R-GET_FILES
00000918	SS\$_RESIGNAL
00000B8E	R-OPEN_FILES
00000CED	R-CLOSE_FILES
00000D18	R-MERGE_FILES
0000159C	R-ACT_SUPPRESS
000015A6	R-SUM_MER_KEY
00001AA0	R-OUTPUT_FAB
00001AF0	R-OUTPUT_RAB
00001B34	R-OUTPUT_BUF
00001D34	R-OUTPUT_NAM
00001D94	R-INPUT_FAB
00001DE4	R-INPUT_RAB

R-SUM_MER_STATE

Value	Symbols...
-----	-----
00001E28	R-INPUT_BUF
00002028	R-RANDOM_FAB
00002078	R-RANDOM_RAB
000020BC	R-RANDOM_BUF
000022BC	R-RANDOM_FILE
00002448	RX-LIB\$SIGNAL
0000244C	RX-LIB\$TPARSE
00002450	RX-LIB\$FREE_VM
00002454	RX-LIB\$GET_VM
0000800A	MERS_CTCHER
00008012	MERS_NONODE
00008808	MERS_NULLFS
00008810	MERS_ONEOUT
00008818	MERS_PRSEER
00008820	MERS_OPENER
00008828	MERS_CREATE
00008830	MERS_OUTERR
00008838	MERS_INPEOF
00008840	MERS_CLASH
00008848	MERS_CLSHLN
00008850	MERS_ATSIGN
00008858	MERS_REOPEN
00008860	MERS_CONNEC
00008868	MERS_DISCON
00008870	MERS_CLOSER
00008878	MERS_READER
00008880	MERS_INVPMO
00008888	MERS_SYNTAX
0001827A	RMSS_EOF
7FFEDF50	SYSSFAO
7FFEDF58	SYSSFAOL
7FFEE070	SYSSUNWIND
7FFEE180	SYSSGET
7FFEE188	SYSSPUT
7FFEE1B8	SYSSCLOSE
7FFEE1C0	SYSSCONNECT
7FFEE1C8	SYSSCREATE
7FFEE1D0	SYSSDISCONNECT
7FFEE208	SYSSOPEN
7FFEE230	SYSSPARSE

Key for special characters above:

*	- Undefined
U	- Universal
R	- Relocatable
X	- External

+-----+
! Image Synopsis !
+-----+

Virtual memory allocated: 00000200 000025FF 00002400 (9216. bytes, 18. pages)
Stack size: 20. pages
Image header virtual block limits: 1. (1. block)
Image binary virtual block limits: 2. (18. blocks)
Image name and identification: SUM V04-000
Number of files: 5.
Number of modules: 7.
Number of program sections: 12.
Number of global symbols: 334.
Number of image sections: 7.
User transfer address: 00000600
Number of code references to shareable images: 4.
Image type: EXECUTABLE.
Map format: FULL in file _\$255\$DUA28:[SUM.LIS]SUM.MAP;1
Estimated map length: 72. blocks

+-----+
! Link Run Statistics !
+-----+

Performance Indicators	Page Faults	CPU Time	Elapsed Time
Command processing:	112	00:00:00.21	00:00:00.46
Pass 1:	136	00:00:01.58	00:00:08.37
Allocation/Relocation:	28	00:00:00.22	00:00:00.77
Pass 2:	42	00:00:00.96	00:00:03.66
Map data after object module synopsis:	13	00:00:00.53	00:00:00.75
Symbol table output:	1	00:00:00.04	00:00:00.60
Total run values:	332	00:00:03.54	00:00:14.61

Using a working set limited to 900 pages and 66 pages of data storage (excluding image)

Total number object records read (both passes): 392
of which 187 were in libraries and 6 were DEBUG data records containing 273 bytes

Number of modules extracted explicitly = 3
with 3 extracted to resolve undefined symbols

18 library searches were for symbols not in the library searched

A total of 0 global symbol table records was written

LINK/USERLIB=PROC/EXE=EXE\$:SUM/MAP=MAP\$:SUM/FULL/NOTRACE LIB\$:SUM/INCLUDE=(SUM,SUMFILES,SUMED)

0368 AH-BT13A-SE
VAX/VMS V4.0

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