

BBBBBBBBBBBB BBBBBBBBBBBB BBBBBBBBBBBB		00000000 00000000 00000000		00000000 00000000 00000000		TTTTTTTTTTTT TTTTTTTTTTTT TTTTTTTTTTTT		SSSSSSSSSS SSSSSSSSSS SSSSSSSSSS
BBB BBB	000	000	000	000	000	TTT	SSS	
BBB BBB	000	000	000	000	000	TTT	SSS	
BBB BBB	000	000	000	000	000	TTT	SSS	
BBB BBB	000	000	000	000	000	TTT	SSS	
BBB BBB	000	000	000	000	000	TTT	SSS	
BBB BBB	000	000	000	000	000	TTT	SSS	
BBBBBBBBBBBB	000	000	000	000	000	TTT	SSS	
BBBBBBBBBBBB	000	000	000	000	000	TTT	SSS	
BBBBBBBBBBBB	000	000	000	000	000	TTT	SSS	
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBB BBB	000	000	000	000	000	TTT	SSS	SSS
BBBBBBBBBBBB	00000000	00000000	00000000	00000000	00000000	TTT	SSSSSSSSSS	
BBBBBBBBBBBB	00000000	00000000	00000000	00000000	00000000	TTT	SSSSSSSSSS	
BBBBBBBBBBBB	00000000	00000000	00000000	00000000	00000000	TTT	SSSSSSSSSS	

(2) 49
(3) 55

Declarations
FIL\$READ_LBN - Reads 1 LBN of data from TU58 cartridge


```

0000 1      .TITLE T58BOOT10 - BOOT58 I/O Module
0000 2      .IDENT 'V04-000'
0000 3
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:
0000 31
0000 32         BOOT58, the supplementary TU58 bootstrap program
0000 33
0000 34     ABSTRACT:
0000 35
0000 36         This module calls the device-dependent ROM subroutine to read
0000 37         a block's worth of data from the TU58 into physical memory.
0000 38
0000 39     ENVIRONMENT:
0000 40
0000 41         Kernel mode, unmapped, IPL=31
0000 42
0000 43     AUTHOR:
0000 44
0000 45         Carol Peters      23 February 1979
0000 46
0000 47     --

```

T58BOOT10
V04-000

- BOOT58 I/O Module
Declarations

D 14

16-SEP-1984 00:15:51
4-SEP-1984 23:07:30

VAX/VMS Macro V04-00
[BOOTS.SRC]T58BOOT10.MAR;1

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(2)

0000 49
0000 50
00000000 51
0000 52
0000 53

.SBTTL Declarations
.PSECT \$\$\$\$00BOOT, LONG
.DEFAULT DISPLACEMENT, WORD


```

0000 55      .SBTTL  FIL$READ_LBN - Reads 1 LBN of data from TU58 cartridge
0000 56
0000 57      :++
0000 58      :
0000 59      : Functional description:
0000 60      :
0000 61      :   This routine reads the data from a specified LBN on the TU58
0000 62      :   cartridge into a page of physical memory. The device handling
0000 63      :   is a subroutine in the device ROM.
0000 64      :
0000 65      : Inputs:
0000 66      :
0000 67      :   LBN(AP) - logical block number to read
0000 68      :   BUF(AP) - address of memory to receive data
0000 69      :
0000 70      : Implicit inputs:
0000 71      :
0000 72      :   DRIVER_SUBROUT - contains the address of the ROM subroutine
0000 73      :
0000 74      : Outputs:
0000 75      :
0000 76      :   R0      - status code
0000 77      :
0000 78      :--
0000 79      :
0000 80      :
0000 81      : Symbolic names for input arguments.
0000 82      :
0000 83      :
00000004 0000 84      LBN      = 4
00000008 0000 85      BUF      = 8
0000 86
0000 87      .ENTRY  FIL$READ_LBN,-
0002 88      ^M<R3,R4,R5,R6,R7,R8,R9>
0002 89
0002 90      CLRL    R3                ; Device must be unit 0.
58 04 AC D0 0004 91      MOVL    LBN(AP),R8        ; Get starting LBN.
08 AC DD 0008 92      PUSHL   BUF(AP)          ; Get memory address for data.
50 0000 CF D0 000B 93      MOVL    DRIVER_SUBROUT,R0      ; Get address of driver routine.
60 16 0010 94      JSB     (R0)            ; Call driver.
8E D5 0012 95      TSTL    (SP)+          ; Pop memory address off stack.
04 0014 96      RET
0015 97
0015 98      .END
  
```

T58BOOTIO
Symbol table

- BOOT58 I/O Module

F 14

16-SEP-1984 00:15:51 VAX/VMS Macro V04-00
4-SEP-1984 23:07:30 [BOOTS.SRC]T58BOOTIO.MAR;1

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(3)

BUF = 00000008
DRIVER SUBROUT ***** X 01
FIL\$READ_LBN 00000000 RG 01
LBN = 00000004

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$\$\$00BC0T	00000015 (21.)	01 (1.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.06	00:00:00.95
Command processing	132	00:00:00.77	00:00:02.63
Pass 1	71	00:00:00.35	00:00:01.14
Symbol table sort	0	00:00:00.00	00:00:00.01
Pass 2	37	00:00:00.23	00:00:00.67
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	275	00:00:01.44	00:00:05.42

The working set limit was 750 pages.
1020 bytes (2 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 4 non-local and 0 local symbols.
98 source lines were read in Pass 1, producing 14 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[BOOTS.OBJ]BOOTS.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0
TOTALS (all libraries)	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:T58BOOTIO/OBJ=OBJ\$:T58BOOTIO MSRC\$:T58BOOTIO/UPDATE=(ENH\$:T58BOOTIO)+EXECML\$/LIB+LIB\$:BOOTS.MLB/LIB

