

[illegible]

```
SSSSSSSS YY YY SSSSSSS FFFFFFFF AAAAAA 000000
SSSSSSSS YY YY SSSSSSS FFFFFFFF AAAAAA 000000
SS SS YY YY SS SS FF FF AA AA 00 00
SS SS YY YY SS SS FF FF AA AA 00 00
SS SS YY YY SS SS FF FF AA AA 00 00
SSSSSS YY YY SSSSSS FFFFFFFF AA AA 00 00
SSSSSS YY YY SSSSSS FFFFFFFF AA AA 00 00
SS SS YY YY SS SS FF FF AAAAAAAAAA 00 00
SS SS YY YY SS SS FF FF AAAAAAAAAA 00 00
SS SS YY YY SS SS FF FF AA AA 00 00
SSSSSS YY YY SSSSSSS FFFFFFFF AA AA 000000
SSSSSS YY YY SSSSSSS FFFFFFFF AA AA 000000
.....
.....
.....
.....

LL IIIIII SSSSSSS
LL IIIIII SSSSSSS
LL II
LL II
LL II
LL II
LL II
LL II
LL II
LL II
LL II
LL II
LLLLLLLLLL IIIIII SSSSSSS
LLLLLLLLLL IIIIII SSSSSSS
```



|     |    |              |
|-----|----|--------------|
| (2) | 54 | DECLARATIONS |
|-----|----|--------------|

```
0000 1 .TITLE SYSFAO - MONITOR FAO Strings for SYSTEM class
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28 ++
0000 29 FACILITY: VAX/VMS MONITOR Utility
0000 30
0000 31 ABSTRACT:
0000 32
0000 33 This non-executable module contains FAO control and
0000 34 text strings to support the SYSTEM class.
0000 35
0000 36 ENVIRONMENT:
0000 37
0000 38 Non-executable.
0000 39
0000 40 AUTHOR: Thomas L. Cafarella and Paul R. Senn, April, 1984
0000 41
0000 42 MODIFIED BY:
0000 43
0000 44 V03-002 TLC1085 Thomas L. Cafarella 22-Jul-1984 14:00
0000 45 Calculate scale values for Free and Modified List bar graphs.
0000 46
0000 47 V03-001 TLC1070 Thomas L. Cafarella 13-Apr-1984 14:00
0000 48 Clarify TOP text lines to include the word "Cur".
0000 49
0000 50
0000 51 --
0000 52
```



```

54          .SBTTL  DECLARATIONS
00000000    55          .PSECT  MONRODATA,QUAD,NOEXE,NOWRT
0000    56      :
0000    57      : INCLUDE FILES:
0000    58      :
0000    59      :
0000    60      :
0000    61      : EQUATED SYMBOLS:
0000    62      :
0000    63      :
01B 0000    64  ESC = 27                                ; escape character
0000    65
0000    66
0000    67      :
0000    68      : OWN STORAGE (Read-only):
0000    69      :
0000    70
0000    71
0000    72  SYS BOX_STR_H::
0000    73      ; CPU Busy
1B 0000    74          .BYTE  ESC,^A/Y/,4,11
2B 0004    75          .ASCII  \+\
1B 0005    76          .BYTE  ESC,^A/Y/,4,37
2D 0009    77          .ASCII  \-+\
1B 000B    78          .BYTE  ESC,^A/Y/,5,11
7C 000F    79          .ASCII  \|\
1B 0010    80          .BYTE  ESC,^A/Y/,5,38
7C 0014    81          .ASCII  \|\
1B 0015    82          .BYTE  ESC,^A/Y/,6,1
43 0019    83          .ASCII  \CPU      0 +-----+ 100\
2D 0025
2D 0031
2D 003D
1B 0043    84          .BYTE  ESC,^A/Y/,7,11
7C 0047    85          .ASCII  \|\
1B 0048    86          .BYTE  ESC,^A/Y/,7,38
7C 004C    87          .ASCII  \|\
1B 004D    88          .BYTE  ESC,^A/Y/,8,11
2B 0051    89          .ASCII  \+-----+\
2D 005D
2D 0069
2D 006D    90
006D    91      ; Page Fault Rate
1B 006D    92          .BYTE  ESC,^A/Y/,11,11
2B 0071    93          .ASCII  \+\
1B 0072    94          .BYTE  ESC,^A/Y/,11,37
2D 0076    95          .ASCII  \-+\
1B 0078    96          .BYTE  ESC,^A/Y/,12,11
7C 007C    97          .ASCII  \|\
1B 007D    98          .BYTE  ESC,^A/Y/,12,38
7C 0081    99          .ASCII  \|\
1B 0082   100          .BYTE  ESC,^A/Y/,13,1
4D 0086   101          .ASCII  \MEMORY 0 +-----+ 100\
2D 0092
2D 009E
2D 00AA
1B 00B0   102          .BYTE  ESC,^A/Y/,14,11

```

| Address | Offset | Value               | Comment              |
|---------|--------|---------------------|----------------------|
| 00B4    | 103    | .ASCII              | \\                   |
| 00B5    | 104    | .BYTE               | ESC,^A/Y/,14,38      |
| 00B9    | 105    | .ASCII              | \\                   |
| 00BA    | 106    | .BYTE               | ESC,^A/Y/,15,11      |
| 00BE    | 107    | .ASCII              | \+-----+\            |
| 00CA    |        |                     |                      |
| 00D6    |        |                     |                      |
| 00DA    | 108    |                     |                      |
| 00DA    | 109    | : Direct I/O Rate   |                      |
| 00DA    | 110    | .BYTE               | ESC,^A/Y/,18,11      |
| 00DE    | 111    | .ASCII              | \+\\                 |
| 00DF    | 112    | .BYTE               | ESC,^A/Y/,18,37      |
| 00E3    | 113    | .ASCII              | \-+\\                |
| 00E5    | 114    | .BYTE               | ESC,^A/Y/,19,11      |
| 00E9    | 115    | .ASCII              | \\                   |
| 00EA    | 116    | .BYTE               | ESC,^A/Y/,19,38      |
| 00EE    | 117    | .ASCII              | \\                   |
| 00EF    | 118    | .BYTE               | ESC,^A/Y/,20,1       |
| 00F3    | 119    | .ASCII              | \\I/O 0 +-----+ 60\\ |
| 00FF    |        |                     |                      |
| 010B    |        |                     |                      |
| 0117    |        |                     |                      |
| 011C    | 120    | .BYTE               | ESC,^A/Y/,21,11      |
| 0120    | 121    | .ASCII              | \\                   |
| 0121    | 122    | .BYTE               | ESC,^A/Y/,21,38      |
| 0125    | 123    | .ASCII              | \\                   |
| 0126    | 124    | .BYTE               | ESC,^A/Y/,22,11      |
| 012A    | 125    | .ASCII              | \+-----+\            |
| 0136    |        |                     |                      |
| 0142    |        |                     |                      |
| 0146    | 126    |                     |                      |
| 0146    | 127    | : Free List Size    |                      |
| 0146    | 128    | .BYTE               | ESC,^A/Y/,11,48      |
| 014A    | 129    | .ASCII              | \+\\                 |
| 014B    | 130    | .BYTE               | ESC,^A/Y/,11,74      |
| 014F    | 131    | .ASCII              | \-+\\                |
| 0151    | 132    | .BYTE               | ESC,^A/Y/,12,48      |
| 0155    | 133    | .ASCII              | \\                   |
| 0156    | 134    | .BYTE               | ESC,^A/Y/,12,75      |
| 015A    | 135    | .ASCII              | \\!4<!UL!AC!>\\      |
| 0166    |        |                     |                      |
| 0167    | 136    | .BYTE               | ESC,^A/Y/,13,46      |
| 016B    | 137    | .ASCII              | \\0 +-----+\         |
| 0177    |        |                     |                      |
| 0183    |        |                     |                      |
| 0189    | 138    | .BYTE               | ESC,^A/Y/,14,48      |
| 018D    | 139    | .ASCII              | \\                   |
| 018E    | 140    | .BYTE               | ESC,^A/Y/,14,75      |
| 0192    | 141    | .ASCII              | \\!4<!UL!AC!>\\      |
| 019E    |        |                     |                      |
| 019F    | 142    | .BYTE               | ESC,^A/Y/,15,48      |
| 01A3    | 143    | .ASCII              | \+\\                 |
| 01A4    | 144    | .BYTE               | ESC,^A/Y/,15,75      |
| 01A8    | 145    | .ASCII              | \+\\                 |
| 01A9    | 146    |                     |                      |
| 01A9    | 147    | : Buffered I/O Rate |                      |
| 01A9    | 148    | .BYTE               | ESC,^A/Y/,18,48      |



[illegible]

| Address                 | Offset      | Value | Label                                               | Comment                                         |
|-------------------------|-------------|-------|-----------------------------------------------------|-------------------------------------------------|
| 71 74 20 30 20 20 59 52 | 26 0C 59 78 | 028E  | 197                                                 | .ASCII \x\                                      |
| 71 71 71 71 71 71 71 71 | 1B 028F     | 198   | .BYTE ESC,^A/Y/,12,38                               |                                                 |
| 71 71 71 71 71 71 71 71 | 78 0293     | 199   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 01 0D 59 1B | 200   | .BYTE ESC,^A/Y/,13,1                                |                                                 |
| 71 71 71 71 71 71 71 71 | 4F 4D 45 4D | 201   | .ASCII \MEMORY 0 tqqqqqqqqqqqqqqqqqqqqqqqqqqqq 100\ |                                                 |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 02A4  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 02B0  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 31 20 75 71 | 02BC  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 0B 0E 59 1B | 02C2  | 202                                                 | .BYTE ESC,^A/Y/,14,11                           |
| 71 71 71 71 71 71 71 71 | 78 02C6     | 203   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 26 0E 59 1B | 02C7  | 204                                                 | .BYTE ESC,^A/Y/,14,38                           |
| 71 71 71 71 71 71 71 71 | 78 02CB     | 205   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 0B 0F 59 1B | 02CC  | 206                                                 | .BYTE ESC,^A/Y/,15,11                           |
| 71 71 71 71 71 71 71 71 | 71 71 71 6D | 02CD  | 207                                                 | .ASCII \mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqj\        |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 02DC  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 6A 71 71 71 | 02E8  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 0B 12 59 1B | 02EC  | 208                                                 | .BYTE ESC,^A/Y/,18,11                           |
| 71 71 71 71 71 71 71 71 | 6C 02F0     | 209   | .ASCII \l\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 25 12 59 1B | 02F1  | 210                                                 | .BYTE ESC,^A/Y/,18,37                           |
| 71 71 71 71 71 71 71 71 | 6B 71 02F5  | 211   | .ASCII \qk\                                         |                                                 |
| 71 71 71 71 71 71 71 71 | 0B 13 59 1B | 02F7  | 212                                                 | .BYTE ESC,^A/Y/,19,11                           |
| 71 71 71 71 71 71 71 71 | 78 02FB     | 213   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 26 13 59 1B | 02FC  | 214                                                 | .BYTE ESC,^A/Y/,19,38                           |
| 71 71 71 71 71 71 71 71 | 78 0300     | 215   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 01 14 59 1B | 0301  | 216                                                 | .BYTE ESC,^A/Y/,20,1                            |
| 71 71 71 71 71 71 71 71 | 20 4F 2F 49 | 0305  | 217                                                 | .ASCII \I/O 0 tqqqqqqqqqqqqqqqqqqqqqqqqqqqq 60\ |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 0311  | 218                                                 |                                                 |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 031D  | 219                                                 |                                                 |
| 71 71 71 71 71 71 71 71 | 36 20 75 71 | 0329  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 0B 15 59 1B | 032E  | 220                                                 | .BYTE ESC,^A/Y/,21,11                           |
| 71 71 71 71 71 71 71 71 | 78 0332     | 221   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 26 15 59 1B | 0333  | 222                                                 | .BYTE ESC,^A/Y/,21,38                           |
| 71 71 71 71 71 71 71 71 | 78 0337     | 223   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 0B 16 59 1B | 0338  | 224                                                 | .BYTE ESC,^A/Y/,22,11                           |
| 71 71 71 71 71 71 71 71 | 71 71 71 6D | 033C  | 225                                                 | .ASCII \mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqj\        |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 0348  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 6A 71 71 71 | 0354  |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 30 0B 59 1B | 0358  | 226                                                 | .BYTE ESC,^A/Y/,11,48                           |
| 71 71 71 71 71 71 71 71 | 6C 035C     | 227   | .ASCII \l\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 4A 0B 59 1B | 035D  | 228                                                 | .BYTE ESC,^A/Y/,11,74                           |
| 71 71 71 71 71 71 71 71 | 6B 71 0361  | 229   | .ASCII \qk\                                         |                                                 |
| 71 71 71 71 71 71 71 71 | 30 0C 59 1B | 0363  | 230                                                 | .BYTE ESC,^A/Y/,12,48                           |
| 71 71 71 71 71 71 71 71 | 78 0367     | 231   | .ASCII \x\                                          |                                                 |
| 71 71 71 71 71 71 71 71 | 4B 0C 59 1B | 0368  | 232                                                 | .BYTE ESC,^A/Y/,12,75                           |
| 71 71 71 71 71 71 71 71 | 34 21 20 78 | 036C  | 233                                                 | .ASCII \x !4<!UL!AC!>\                          |
| 71 71 71 71 71 71 71 71 | 3E 0378     | 234   |                                                     |                                                 |
| 71 71 71 71 71 71 71 71 | 2E 0D 59 1B | 0379  | 235                                                 | .BYTE ESC,^A/Y/,13,46                           |
| 71 71 71 71 71 71 71 71 | 71 74 20 30 | 037D  | 236                                                 | .ASCII \0 tqqqqqqqqqqqqqqqqqqqqqqqqqqqq\        |
| 71 71 71 71 71 71 71 71 | 71 71 71 71 | 0389  | 237                                                 |                                                 |
| 71 7                    |             |       |                                                     |                                                 |



| Address                             | Offset | Value | Comment                                      |
|-------------------------------------|--------|-------|----------------------------------------------|
| 21 43 41 21 4C 55 21 3C 34 21 20 78 | 03A4   | 241   | .ASCII \x !4<!UL!AC!>\                       |
|                                     | 03B0   | 242   | .BYTE ESC,^A/Y/,15,48                        |
| 30 0F 59 1B                         | 03B1   | 243   | .ASCII \m\                                   |
|                                     | 03B5   | 244   | .BYTE ESC,^A/Y/,15,75                        |
| 4B 0F 59 1B                         | 03B6   | 245   | .ASCII \j\                                   |
|                                     | 03BA   | 246   |                                              |
|                                     | 03BB   | 247   | : Buffered I/O Rate                          |
| 30 12 59 1B                         | 03BB   | 248   | .BYTE ESC,^A/Y/,18,48                        |
|                                     | 03BF   | 249   | .ASCII \l\                                   |
| 4A 12 59 1B                         | 03C0   | 250   | .BYTE ESC,^A/Y/,18,74                        |
|                                     | 03C4   | 251   | .ASCII \gk\                                  |
| 30 13 59 1B                         | 03C6   | 252   | .BYTE ESC,^A/Y/,19,48                        |
|                                     | 03CA   | 253   | .ASCII \x\                                   |
| 4B 13 59 1B                         | 03CB   | 254   | .BYTE ESC,^A/Y/,19,75                        |
|                                     | 03CF   | 255   | .ASCII \x\                                   |
| 2E 14 59 1B                         | 03D0   | 256   | .BYTE ESC,^A/Y/,20,46                        |
| 71 71 71 71 71 71 71 71 71 74 20 30 | 03D4   | 257   | .ASCII \0 tqqqqqqqqqqqqqqqqqqqqqqqqqqqq 150\ |
| 71 71 71 71 71 71 71 71 71 71 71 71 | 03E0   |       |                                              |
| 30 15 59 1B                         | 03F6   | 258   | .BYTE ESC,^A/Y/,21,48                        |
|                                     | 03FA   | 259   | .ASCII \x\                                   |
| 4B 15 59 1B                         | 03FB   | 260   | .BYTE ESC,^A/Y/,21,75                        |
|                                     | 03FF   | 261   | .ASCII \x\                                   |
| 30 16 59 1B                         | 0400   | 262   | .BYTE ESC,^A/Y/,22,48                        |
| 71 71 71 71 71 71 71 71 71 71 71 71 | 0404   | 263   | .ASCII \mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqj\     |
| 71 71 71 71 71 71 71 71 71 71 71 71 | 0410   |       |                                              |
| 6A 71 71 71                         | 041C   |       |                                              |
|                                     | 0420   | 264   |                                              |
| 47 1B                               | 0420   | 265   | .BYTE ESC,^A/G/ ; Set regular graphics       |
|                                     | 0422   | 266   |                                              |
|                                     | 0422   | 267   | SBS_END_G:                                   |
|                                     | 0422   | 268   |                                              |
| 0212                                | 0422   | 269   | SYS_BOX_STR_LEN_G::                          |
|                                     | 0422   | 270   | .WORD SBS_END_G-SYS_BOX_STR_G                |
|                                     | 0424   | 271   |                                              |
|                                     | 0424   | 272   |                                              |
|                                     | 0424   | 273   | SYS_TEXT_STR::                               |
|                                     | 0424   | 274   | : CPU Busy                                   |
| 0D 04 59 1B                         | 0424   | 275   | .BYTE ESC,^A/Y/,4,13                         |
| 79 73 75 42 20 55 50 43             | 0428   | 276   | .ASCII \CPU Busy\                            |
| 0B 09 59 1B                         | 0430   | 277   | .BYTE ESC,^A/Y/,9,11                         |
| 3A 70 6F 54 20 72 75 43             | 0434   | 278   | .ASCII \Cur Top:\                            |
|                                     | 043C   | 279   |                                              |
|                                     | 043C   | 280   | : Page Fault Rate                            |
| 52 20 74 6C 75 61 46 20 0D 0B 59 1B | 043C   | 281   | .BYTE ESC,^A/Y/,11,13                        |
| 65 67 61 50                         | 0440   | 282   | .ASCII \Page Fault Rate\                     |
| 65 74 61                            | 044C   |       |                                              |
| 0B 10 59 1B                         | 044F   | 283   | .BYTE ESC,^A/Y/,16,11                        |
| 3A 70 6F 54 20 72 75 43             | 0453   | 284   | .ASCII \Cur Top:\                            |
|                                     | 045B   | 285   |                                              |
|                                     | 045B   | 286   | : Direct I/O Rate                            |
| 52 20 4F 2F 49 20 74 63 0D 12 59 1B | 045B   | 287   | .BYTE ESC,^A/Y/,18,13                        |
| 65 72 69 44                         | 045F   | 288   | .ASCII \Direct I/O Rate\                     |
| 65 74 61                            | 046B   |       |                                              |
| 0B 17 59 1B                         | 046E   | 289   | .BYTE ESC,^A/Y/,23,11                        |
| 3A 70 6F 54 20 72 75 43             | 0472   | 290   | .ASCII \Cur Top:\                            |

```

047A 291
047A 292 ; Process States
047A 293 .BYTE ESC,^A/Y/,3,54
74 61 74 53 20 73 73 65 63 6F 72 50 047E 294 .ASCII \Process States\
048A 295 .BYTE ESC,^A/Y/,4,48
30 04 59 1B 048C 296 .ASCII \LEF:\
3A 46 45 4C 0490 297 .BYTE ESC,^A/Y/,4,64
40 04 59 1B 0494 298 .ASCII \LEFO:\
3A 4F 46 45 4C 0498 299 .BYTE ESC,^A/Y/,5,48
30 05 59 1B 049D 300 .ASCII \HIB:\
3A 42 49 48 04A1 301 .BYTE ESC,^A/Y/,5,64
40 05 59 1B 04A5 302 .ASCII \HIBO:\
3A 4F 42 49 48 04A9 303 .BYTE ESC,^A/Y/,6,48
30 06 59 1B 04AE 304 .ASCII \COM:\
3A 4D 4F 43 04B2 305 .BYTE ESC,^A/Y/,6,64
40 06 59 1B 04B6 306 .ASCII \COMO:\
3A 4F 4D 4F 43 04BA 307 .BYTE ESC,^A/Y/,7,48
30 07 59 1B 04BF 308 .ASCII \PFW:\
3A 57 46 50 04C3 309 .BYTE ESC,^A/Y/,7,64
40 07 59 1B 04C7 310 .ASCII \Other:\
3A 72 65 68 74 4F 04CB 311 .BYTE ESC,^A/Y/,8,48
30 08 59 1B 04D1 312 .ASCII \MWAIT:\
3A 54 49 41 57 4D 04D5 313 .BYTE ESC,^A/Y/,9,58
3A 09 59 1B 04DB 314 .ASCII \Total:\
3A 6C 61 74 6F 54 04DF 315
04E5 316 ; Free List Size
04E5 317 .BYTE ESC,^A/Y/,11,50
69 53 20 74 73 69 4C 20 65 65 72 46 04E9 318 .ASCII \Free List Size\
65 7A 04F5
04F7 319
04F7 320 ; Modified List Size
04F7 321 .BYTE ESC,^A/Y/,15,50
73 69 4C 20 64 65 69 66 69 64 6F 4D 04FB 322 .ASCII \Modified List Size\
65 7A 69 53 20 74 0507
050D 323
050D 324 ; Buffered I/O Rate
050D 325 .BYTE ESC,^A/Y/,18,50
4F 2F 49 20 64 65 72 65 66 66 75 42 0511 326 .ASCII \Buffered I/O Rate\
65 74 61 52 20 051D
30 17 59 1B 0522 327 .BYTE ESC,^A/Y/,23,48
3A 70 6F 54 20 72 75 43 0526 328 .ASCII \Cur Top:\
052E 329 STS_END:
052E 330
052E 331 SYS_TEXT_STR_LEN::
010A 052E 332 .WORD STS_END-SYS_TEXT_STR
0530 333
```



```
00000000 335      .PSECT MONDATA,QUAD,NOEXE
0000 336
0000 337 : OWN STORAGE (Read/Write):
0000 338
0000 339
0000 340 SYS_FAO_STR::
0000 341
46 1B 0000 342      .BYTE ESC,^A/F/ ; Set alternate graphics
0002 343
0002 344 : CPU Busy
0002 345      .BYTE ESC,^A/Y/,4,22 ; Position to number
0006 346      .ASCII \!7<(!UL)!>\ ; Convert number
0010 347      .BYTE ESC,^A/Y/,5,12 ; Position to bar
0014 348      .ASCII \!26<!#*\ ; Convert bar (next 3 lines)
001B 349 BAR1:: .BLKB 1
001C 350      .ASCII \!>\
001E 351
001E 352 : Process States
001E 353      .BYTE ESC,^A/Y/,4,54 ; Position to number
0022 354      .ASCII \!4UL\ ; Convert number
0026 355      .BYTE ESC,^A/Y/,4,71 ; Position to number
002A 356      .ASCII \!4UL\ ; Convert number
002E 357      .BYTE ESC,^A/Y/,5,54 ; Position to number
0032 358      .ASCII \!4UL\ ; Convert number
0036 359      .BYTE ESC,^A/Y/,5,71 ; Position to number
003A 360      .ASCII \!4UL\ ; Convert number
003E 361      .BYTE ESC,^A/Y/,6,54 ; Position to number
0042 362      .ASCII \!4UL\ ; Convert number
0046 363      .BYTE ESC,^A/Y/,6,71 ; Position to number
004A 364      .ASCII \!4UL\ ; Convert number
004E 365      .BYTE ESC,^A/Y/,7,54 ; Position to number
0052 366      .ASCII \!4UL\ ; Convert number
0056 367      .BYTE ESC,^A/Y/,8,54 ; Position to number
005A 368      .ASCII \!4UL\ ; Convert number
005E 369      .BYTE ESC,^A/Y/,7,71 ; Position to number
0062 370      .ASCII \!4UL\ ; Convert number
0066 371      .BYTE ESC,^A/Y/,9,65 ; Position to number
006A 372      .ASCII \!4<!UL!>\ ; Convert number
0072 373
0072 374 : Page Fault Rate
0072 375      .BYTE ESC,^A/Y/,11,29 ; Position to number
0076 376      .ASCII \!7<(!UL)!>\ ; Convert number
0080 377      .BYTE ESC,^A/Y/,12,12 ; Position to bar
0084 378      .ASCII \!26<!#*\ ; Convert bar (next 3 lines)
008B 379 BAR2:: .BLKB 1
008C 380      .ASCII \!>\
008E 381
008E 382 : Page Read I/O Rate
008E 383      .BYTE ESC,^A/Y/,12,12 ; Position to bar
0092 384      .ASCII \!+!#*\ ; Convert bar (next 2 lines)
0097 385 BAR3:: .BLKB 1
0098 386      .BYTE ESC,^A/G/ ; Set regular graphics
009A 387      .ASCII \!\ ; Set alternate graphics
009B 388      .BYTE ESC,^A/F/
009D 389
009D 390 : Free List Size
009D 391      .BYTE ESC,^A/Y/,11,65 ; Position to number
```

```
3E 21 29 4C 55 21 28 3C 38 21 00A1 392      .ASCII  \!8<(!UL)!>\      ; Convert number
      31 0C 59 1B 00AB 393      .BYTE   ESC,^A/Y/,12,49      ; Position to bar
      2A 23 21 3C 36 32 21 00AF 394      .ASCII  \!26<!*#\      ; Convert bar (next 3 lines)
      000000B7 00B6 395 BAR4:: .BLKB 1
      3E 21 00B7 396      .ASCII  \!>\
      00B9 397
      00B9 398 ; Modified List Size
      45 0F 59 1B 00B9 399      .BYTE   ESC,^A/Y/,15,69      ; Position to number
3E 21 29 4C 55 21 28 3C 36 21 00BD 400      .ASCII  \!6<(!UL)!>\      ; Convert number
      31 0E 59 1B 00C7 401      .BYTE   ESC,^A/Y/,14,49      ; Position to bar
      2A 23 21 3C 36 32 21 00CB 402      .ASCII  \!26<!*#\      ; Convert bar (next 3 lines)
      000000D3 00D2 403 BAR5:: .BLKB 1
      3E 21 00D3 404      .ASCII  \!>\
      00D5 405
      00D5 406 ; Direct I/O Rate
      1D 12 59 1B 00D5 407      .BYTE   ESC,^A/Y/,18,29      ; Position to number
3E 21 29 4C 55 21 28 3C 37 21 00D9 408      .ASCII  \!7<(!UL)!>\      ; Convert number
      0C 13 59 1B 00E3 409      .BYTE   ESC,^A/Y/,19,12      ; Position to bar
      2A 23 21 3C 36 32 21 00E7 410      .ASCII  \!26<!*#\      ; Convert bar (next 3 lines)
      000000EF 00EE 411 BAR6:: .BLKB 1
      3E 21 00EF 412      .ASCII  \!>\
      00F1 413
      00F1 414 ; Buffered I/O Rate
      44 12 59 1B 00F1 415      .BYTE   ESC,^A/Y/,18,68      ; Position to number
3E 21 29 4C 55 21 28 3C 36 21 00F5 416      .ASCII  \!6<(!UL)!>\      ; Convert number
      31 13 59 1B 00FF 417      .BYTE   ESC,^A/Y/,19,49      ; Position to bar
      2A 23 21 3C 36 32 21 0103 418      .ASCII  \!26<!*#\      ; Convert bar (next 3 lines)
      0000010B 010A 419 BAR7:: .BLKB 1
      3E 21 010B 420      .ASCII  \!>\
      47 1B 010D 421      .BYTE   ESC,^A/G/
      010F 422      ; Set regular graphics
      010F 423 ; Top CPU process
      010F 424
      14 09 59 1B 010F 425      .BYTE   ESC,^A/Y/,9,20      ; Position to proc name
46 41 21 3C 33 32 21 29 2B 28 34 21 0113 426      .ASCII  \!4(+)!23<!AF (!UL)!>\      ; Convert proc name & no.
      3E 21 29 4C 55 21 28 20 011F
      0C 07 59 1B 0127 427      .BYTE   ESC,^A/Y/,7,12      ; Position to bar
      46 1B 012B 428      .BYTE   ESC,^A/F/
      2A 23 21 3C 36 32 21 012D 429      .ASCII  \!26<!*#\      ; Set alternate graphics
      00000135 0134 430 BAR8:: .BLKB 1      ; Convert bar (next 3 lines)
      3E 21 0135 431      .ASCII  \!>\
      47 1B 0137 432      .BYTE   ESC,^A/G/
      0139 433      ; Set regular graphics
      0139 434 ; Top page fault process
      0139 435
      14 10 59 1B 0139 436      .BYTE   ESC,^A/Y/,16,20      ; Position to proc name
46 41 21 3C 33 32 21 29 2B 28 34 21 013D 437      .ASCII  \!4(+)!23<!AF (!UL)!>\      ; Convert proc name & no.
      3E 21 29 4C 55 21 28 20 0149
      0C 0E 59 1B 0151 438      .BYTE   ESC,^A/Y/,14,12      ; Position to bar
      46 1B 0155 439      .BYTE   ESC,^A/F/
      2A 23 21 3C 36 32 21 0157 440      .ASCII  \!26<!*#\      ; Set alternate graphics
      0000015F 015E 441 BAR9:: .BLKB 1      ; Convert bar (next 3 lines)
      3E 21 015F 442      .ASCII  \!>\
      47 1B 0161 443      .BYTE   ESC,^A/G/
      0163 444      ; Set regular graphics
      0163 445 ; Top direct I/O process
      0163 446
```



```
46 41 21 3C 33 32 21 29 2B 28 34 21 0163 447      .BYTE  ESC,^A/Y/,23,20      ; Position to proc name
3E 21 29 4C 55 21 28 20 0167 448      .ASCII  \!4(+)!23<!AF (!UL)!>\    ; Convert proc name & no.
OC 15 59 1B 0173      .BYTE  ESC,^A/Y/,21,12      ; Position to bar
2A 23 21 3C 36 32 21 017B 449      .BYTE  ESC,^A/F/      ; Set alternate graphics
00000189 0181 451      .ASCII  \!26<!#*\      ; Convert bar (next 3 lines)
3E 21 0188 452 BAR10:: .BLKB  1
47 1B 0189 453      .ASCII  \!>\
018B 454      .BYTE  ESC,^A/G/      ; Set regular graphics
018D 455
018D 456 ; Top buffered I/O process
018D 457
018D 458      .BYTE  ESC,^A/Y/,23,57      ; Position to proc name
46 41 21 3C 33 32 21 29 2B 28 34 21 0191 459      .ASCII  \!4(+)!23<!AF (!UL)!>\    ; Convert proc name & no.
3E 21 29 4C 55 21 28 20 019D
31 15 59 1B 01A5 460      .BYTE  ESC,^A/Y/,21,49      ; Position to bar
2A 23 21 3C 36 32 21 01A9 461      .BYTE  ESC,^A/F/      ; Set alternate graphics
000001B3 01AB 462      .ASCII  \!26<!#*\      ; Convert bar (next 3 lines)
3E 21 01B2 463 BAR11:: .BLKB  1
47 1B 01B3 464      .ASCII  \!>\
01B5 465      .BYTE  ESC,^A/G/      ; Set regular graphics
01B7 466
01B7 467 SFS_END:
01B7 468
01B7 469 SYS_FAO_STR_LEN::
01B7 470      .WORD  SFS_END-SYS_FAO_STR
01B9 471
01B9 472 .END
```

SYSFAO  
Symbol table

- MONITOR FAO Strings for SYSTEM class

16-SEP-1984 02:07:19  
5-SEP-1984 02:02:48

VAX/VMS Macro V04-00  
[MONITOR.SRC]SYSFAO.MAR;1

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(3)

|                   |            |    |    |
|-------------------|------------|----|----|
| BAR1              | 0000001B   | RG | 02 |
| BAR10             | 00000188   | RG | 02 |
| BAR11             | 000001B2   | RG | 02 |
| BAR2              | 0000008B   | RG | 02 |
| BAR3              | 00000097   | RG | 02 |
| BAR4              | 000000B6   | RG | 02 |
| BAR5              | 000000D2   | RG | 02 |
| BAR6              | 000000EE   | RG | 02 |
| BAR7              | 0000010A   | RG | 02 |
| BAR8              | 00000134   | RG | 02 |
| BAR9              | 0000015E   | RG | 02 |
| ESC               | = 0000001B |    |    |
| SBS_END_G         | 00000422   | R  | 01 |
| SBS_END_H         | 0000020E   | R  | 01 |
| SFS_END           | 000001B7   | R  | 02 |
| STS_END           | 0000052E   | R  | 01 |
| SYS_BOX_STR_G     | 00000210   | RG | 01 |
| SYS_BOX_STR_H     | 00000000   | RG | 01 |
| SYS_BOX_STR_LEN_G | 00000422   | RG | 01 |
| SYS_BOX_STR_LEN_H | 0000020E   | RG | 01 |
| SYS_FAO_STR       | 00000000   | RG | 02 |
| SYS_FAO_STR_LEN   | 000001B7   | RG | 02 |
| SYS_TEXT_STR      | 00000424   | RG | 01 |
| SYS_TEXT_STR_LEN  | 0000052E   | RG | 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 |  |  |  |  |
| MONRODATA  | 00000530 ( 1328.) | 01 ( 1.)  | NOPIC      | USR | CON | REL | LCL | NOSHR | NOEXE | RD   | NOWRT | NOVEC | QUAD |  |  |  |  |
| MONDATA    | 000001B9 ( 441.)  | 02 ( 2.)  | NOPIC      | USR | CON | REL | LCL | NOSHR | NOEXE | RD   | WRT   | NOVEC | QUAD |  |  |  |  |

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

| Phase                  | Page faults | CPU Time    | Elapsed Time |
|------------------------|-------------|-------------|--------------|
| Initialization         | 32          | 00:00:00.06 | 00:00:00.78  |
| Command processing     | 126         | 00:00:00.70 | 00:00:03.90  |
| Pass 1                 | 86          | 00:00:01.89 | 00:00:06.27  |
| Symbol table sort      | 0           | 00:00:00.01 | 00:00:00.12  |
| Pass 2                 | 95          | 00:00:01.11 | 00:00:05.97  |
| Symbol table output    | 4           | 00:00:00.07 | 00:00:00.67  |
| 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   | 346         | 00:00:03.86 | 00:00:17.73  |

The working set limit was 1050 pages.  
10433 bytes (21 pages) of virtual memory were used to buffer the intermediate code.  
There were 10 pages of symbol table space allocated to hold 24 non-local and 0 local symbols.  
472 source lines were read in Pass 1, producing 16 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:[MONITOR.OBJ]MONLIB.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\$:SYSFAO/OBJ=OBJ\$:SYSFAO MSRC\$:SYSFAO/UPDATE=(ENH\$:SYSFAO)+EXECML\$/LIB+LIB\$:MONLIB/LIB



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