

IDENT	SCOPE
000000	PROGRAM LENGTH
	BLOCKS
000000 005260	ABSOLUTE* ABSOLUTE
	EXTERNAL SYMBOLS
	E.ERROR
000000	ORG 0
	S.LOWCOR EQU 20
000000	BSS 2
000002 23031720050000000000	DATA 0LSCOPE
000003 03140123230000000000	DATA 0LCLASS
000004 00000000000000000004	DATA 4
000005 00000000000000000050	DATA 40
000006 000000000000000005260	VFD 60/.RA
000007 00000000000000002407	VFD 60/SCOPE
000010 00000000000000000105	VFD 60/N.CAPAB+N.DIRECT/S.DIRECT
000011 000000000000000001061	VFD 60/ENDSCR-STARTSCR+S.LOWCOR
000012 00000000000000000000	DATA 0
000013 00000000000000000000	DATA 0
000014 00000000000000000000	VFD 60/0
000015 00000000000000000000	VFD 60/0
000016 00000000000000000024	VFD 60/S.LOWCOR
000017 00000000000000000000	DATA 0
000020 23031720050000000000	DATA 0LSCOPE
000021 23000000000000000000	DATA 0LS
000022 00000000000000000024	VFD 60/S.LOWCOR
000023 00000000000000000024	VFD 60/S.LOWCOR
000024 00000000000000000401	VFD 60/STARTSCR-S.LOWCOR
000025 00000000000000000001	VFD 60/1
000026 00000000000000000000	DATA 0
000027 00000000000000000000	DATA 0
000030 00000000000000000024	VFD 60/S.LOWCOR
000031 00000000000000000425	VFD 60/STARTSCR
000032 000000000000000001035	VFD 60/ENDSCR-STARTSCR
000033 00000000000000000000	DATA 0
000034 23031720050000000000	DATA 0LSCOPE
000035 23000000000000000000	DATA 0LS
000036 000000000000000001462	VFD 60/ENDSCR
000037 000000000000000001462	VFD 60/ENDSCR
000040 000000000000000003576	VFD 60/.RA-ENDSCR
000041 00000000000000000001	DATA 1
000042 77777777777777777776	DATA -1
	OP MACRO
	DATA WHAT
	DATA OLPWHAT
	DATA OLOPERATE
	ENDM
000043	OP RESTOR
000045	OP CFILE

```

000047
000051
000053
000055 23031720053500000000
000057
000061
000063
000065
000067
000071
000073
000075 04112205032400000000
000076 14110222012231000000
000077
000101
000103
000105
000107
000111
000113
000115
000117
000121 00000000000000000000

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000122 000000000000000000035
000123 0000000000000000000124
000124 4000000000000000000000
000125
000235

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```

VER
ERRNIMS
SETESM

```

```

ASCII
65
SYSCALL

```

```

XJ
+

```

SCOPE

```

OP      CBLK
OP      CAPIN
OP      SAVE
DATA    0LSCOPE2,0LCLASS
OP      ALLOC
OP      CCC
OP      JUMP
OP      CALLSC
OP      CSPROC
OP      CHMPRW
OP      RETURN
DATA    0LDIRECT
DATA    0LLIBRARY
OP      PROBE
OP      ESMLOC
OP      ALLOC      TEMPC
OP      MKOPR
OP      MODPC
OP      DELBLK
OP      ALLOC
OP      DELSUB
OP      PINT
DATA    0
MICRO   1,**VER 2.06*
XTXT    60/S.ESM
VFD     60/*+1
VFD     E.CHIP/0,1/1,$/0,1/0
XTXT
=0      77      *
MACRO   WHAT,FRTRN
SX6     WHAT
SA6     .SYSCALL+P.OPER
XJ      .SYSCALL,FRTRN
ENDM
MACRO   WHERE,FRTRN
VFD     12/0130B
VFD     18/WHERE
VFD     30/FRTRN
ENDM
MACRO   LDRSCOPE
RJ
ENDM

```

ASCII .1

0000001	A	EQU	1	
0000002	B	EQU	2	
0000003	C	EQU	3	
0000004	ESTAB	EQU	4	
0000005	TOES	EQU	5	
0000006	RA	EQU	6	
0000007	FL	EQU	7	
0000003	FET. OUT	EQU	3	
0000002	FET. IN	EQU	2	
0000004	FET. LMIT	EQU	4	
0000001	FET. FRST	EQU	1	
0001000	BASESIZE	EQU	512	
0001001	IOBFLEN	EQU	513	
0000005	IOFETLEN	EQU	5	
0000201	EXTBFLEN	EQU	129	
0000005	EXTFETLN	EQU	5	
0002001	IOBUFF	EQU	BASESIZE+IOBFLEN	
0002006	IOFET	EQU	IOBUFF+IOFETLEN	
0002207	EXTBUFF	EQU	IOFET+EXTBFLEN	
0002214	EXTFET	EQU	IOFET+EXTBFLEN+EXTFETLN	
0002215	CURRADR	EQU	EXTFET+1	
0002216	COMBKADR	EQU	CURRADR+1	
0002217	ENTRYADR	EQU	COMBKADR+1	
0002220	FWALOAD	EQU	ENTRYADR+1	
0002221	ENTRYN	EQU	FWALOAD+1	
0002222	BLNKCOML	EQU	ENTRYN+1	
0002223	ENTRYTAB	EQU	BLNKCOML+1	
	*			
0000001	SEC. CLO	EQU	1	
0000002	SEC. WRIT	EQU	2	
0000003	SEC. READ	EQU	3	
0000004	SEC. REN	EQU	4	
0000005	SEC. SKP	EQU	5	
0000006	SEC. EOI	EQU	6	
	*			
0000000	P. OPER	EQU	0	
0000001	P. CAP	EQU	1	
0000002	P. FILADR	EQU	2	
0000003	P. CMADR	EQU	3	
0000004	P. WORDC	EQU	4	
	*			
0000000	D. TYPE	EQU	0	
0000000	D. LFN	EQU	0	
0000001	D. USER	EQU	1	
0000001	D. CAP	EQU	1	
0000002	D. FILADR	EQU	2	
0000003	D. MAX	EQU	3	
0000200	N. DIRECT	EQU	200B	
0000004	S. DIRECT	EQU	4	SIZE OF DIRECTORY ENTRY
0000012	S. CLIST	EQU	10	
0000000	S. ALLOC	EQU	0	
0000015	S. CLASS	EQU	13	
0000003	S. READ	EQU	3	

SYMBOLS

0000004	S.WRITE	EQU	4
0000005	S.SENDE	EQU	5
0000006	S.HANG	EQU	6
0000007	S.BEADCC	EQU	7
0000032	S.RETURN	EQU	26
0000033	S.LIRDIR	EQU	27
0000020	S.CREBLK	EQU	16
0000023	S.CLASS2	EQU	19
0000022	S.SAVREG	EQU	18
0000016	S.RSTREG	EQU	14
0000017	S.CREFIL	EQU	15
0000021	S.CAPIN	EQU	17
0000031	S.MPCHRW	EQU	25
0000024	S.CORE	EQU	20
0000025	S.CCC	EQU	21
0000026	S.JUMP	EQU	22
0000027	S.CALL	EQU	23
0000030	S.CSPROC	EQU	24
0000002	S.CALL2	EQU	2
0000034	S.PROBE	EQU	28
0000035	S.ESM	EQU	29
0000036	S.TEMPC	EQU	30
0000037	S.CCALL	EQU	31
0000040	S.SETPC	EQU	32
0000041	S.DELBLK	EQU	33
0000042	S.CMDFIL	EQU	34
0000043	S.DSUB	EQU	35
0000044	S.PINT	EQU	36
0000045	N.CAPAB	EQU	37
0000040	S.MODPC	EQU	S.SETPC
	*		
0000226	S.SSTBF	EQU	150
0000024	N.PAR	EQU	20
	NPAR	MICRO	1..*20*
0001000	S.BLOCK	EQU	512
0000173	SQUCHAR	EQU	1738
0000177	MAXBLNK	EQU	127
0047000	IP.MAXFL	EQU	47000B
0014000	IP.COMBR	EQU	14000B

MAX SIZE OF ALL COMMON BLOCKS DURING LO

000425		STARTSCR	BSS	4	
000431	00000000000000000000	INITIALZ	DATA	0	
000432	00000000000000000000	JUMPING	DATA	0	
000433	00000000000000000000	OCTBCD	DATA	0	
000434	0200004775		JP	OCTBCDG	
000435	00000000000000000000	LPUTB	DATA	0	
000436	0200004773		JP	LPUTBG	
000437	00000000000000000000	BLKZERO	DATA	0	
000440	0200004764		JP	BLKZEROG	
000441	00000000000000000000	CGETONE	DATA	0	
000442	0200004471		JP	CGETONEG	
000443	00000000000000000000	GETHALF	DATA	0	
000444	0200004432		JP	GETHALFG	
000445	00000000000000000000	GETB	DATA	0	
000446	0200004331		JP	GETBG	
000447	00000000000000000000	GETONE	DATA	0	
000450	0200004326		JP	GETONEG	
000451	00000000000000000000	SRCHENT	DATA	0	
000452	0200004275		JP	SRCHENTG	
000453	00000000000000000000	PUTB	DATA	0	
000454	0200004257		JP	PUTBG	
000455	00000000000000000000	GETBLK	DATA	0	
000456			XJ	GETBLKS	
000457	0200003775		JP	GETBLKGO	
	0000455	NEWBLK	EQU	GETBLK	
000460	00000000000000000022	GETBLKS	VFD	60/S.SAVREG	
000461	00000000000000000062		VFD	60/GETBLKRG	
000462		GETBLKRG	BSSZ	16	
000502	00000000000000000016	GETBLKR	VFD	60/S.RSTREG	
000503	00000000000000000062		VFD	60/GETBLKRG	
000504	00000000000000000000	PREPARE	DATA	0	
000505	0200002314		JP	PREPAREG	
000506		.TEMPX4	BSSZ	1	
000507	00000000000000000041	.DBLK	VFD	60/S.DELBLK	
000510	00000000000000000024		VFD	60/S.CORE	
000511	00000000000000000000	.DBLKA	DATA	0	
000512	00000000000000000000	SETMAP	DATA	0	
000513	0200001545		JP	SETMAP.	
000514	00000000000000000000	.LIBLOAD	DATA	0	LOADING LIBRARY FLAG
000515		.EMPTY	BSSZ	1	EMPTY ENTRY CHAIN
000516		.LIBENT	BSSZ	S.DIRECT	TEMPORARY FOR THE LIBRARY SEARCH
000522	00000000000000000000	.LOADER	DATA	0	LOADER EXECUTING FLAG
000523	00000000000000000000	LDRSCOPE	DATA	0	
000524			XJ	.SAVLOAD	
000525	0200002420		JP	SCOPEL	
000526		.PAR	BSSZ	N.PAR	
000552		.LDRPACK	BSSZ	16	
000572		LINE	BSSZ	15	
000611	000000000000000047000	.OLDFL	VFD	60/IP.MAXFL	
000612	0100000614	DMPQUEUE	RJ	FLUSH	
000613	0200002426		JP	RCL	
000614	00000000000000000000	FLUSH	DATA	0	
000615	0200002501		JP	FLSHQ	

000616	00000000000000000000	.DMPQUE	DATA	0	
000617	0000000000000000014000	.COMLEN	VFD	60/IP.COMBK	
000620	0000000000000000000000	.QUEUEP	DATA	0	
000621		.QUEUE	BSSZ	N.DIRECT/S.DIRECT+1	
000662	0000000000000000000022	SAVEMSG	VFD	60/S.SAVREG	
000663	0000000000000000000666		VFD	60/MSGREG	
000664	0000000000000000000016	RSTMSG	VFD	60/S.RSTREG	
000665	0000000000000000000666		VFD	60/MSGREG	
000666		MSGREG	BSSZ	16	
000706	0000000000000000000000	.PRTMSG	DATA	0	PRINT MESSAGES FLAG
000707		COREFIL	BSSZ	S.DIRECT	
000713	0000000000000000000004	WRITEEOI	VFD	60/S.WRITE	
000714	0000000000000000000000	EOICAP	DATA	0	
000715	0000000000000000000000		VFD	60/0	
000716	00000000000000000000720		VFD	60/*+2	
000717	0000000000000000000001		VFD	60/1	
000720	4000000000000000000000		VFD	1/1.59/0	
000721	0317220500000000000000	CORENAM	DATA	0LCORE	
000722	0000000000000000000020	.CREBLK	VFD	60/S.CREBLK	
000723	0000000000000000000000	.CREBLKC	DATA	0	CAPABILITY
000724	0000000000000000000000	.CREBLKA	DATA	0	FILE ADDRESS
000725		.OVLYHDR	BSSZ	2	OVERLAY HEADER FOR EXECUTE
000727	0000000000000000000000	.ENTRY	DATA	0	ENTRY ADDRESS FOR EXECUTE
000730	0000000000000000000031	.SETMAP	VFD	60/S.MPCHRW	
000731	0000000000000000000023		VFD	60/S.CLASS2	
000732	0000000000000000000000		VFD	60/0	MAPNUMBER
000733	0000000000000000000024		VFD	60/S.CORE	FILE
000734	0000000000000000000000		VFD	60/0	FILE ADDRESS
000735	0000000000000000000000		VFD	60/0	CM ADDRESS
000736	0000000000000000047000	.FL	VFD	60/IP.MAXFL	FIELD LENGTH
000737	0000000000000000000024		VFD	60/S.CORE	
000740	0000000000000000000000	CMDSW	DATA	0	
000741		CMDFILE	BSSZ	4	
000745	0000000000000000000000	CMDFILP	DATA	0	
000746	0000000000000000000000	.USERNME	DATA	0	
000747		.SYSCALL	BSSZ	10	
000761		.TEMPCNT	BSSZ	1	
000762	0000000000000000000000	.FILEST	DATA	0	
000763		.SSTBUFF	BSS	S.SSTBF	
001211		.DIRECT	BSSZ	N.DIRECT	SCOPE FILE DIRECTORY
001411		.XJPACK	BSSZ	16	
001431	0000000000000000000000	.REQ	DATA	0	
001432	0000000000000000047000	.REALFL	VFD	60/IP.MAXFL	
001433	0000000000000000000020	.MKBLK	VFD	60/S.CREBLK	
001434	0000000000000000000024		VFD	60/S.CORE	
001435	0000000000000000000000	.CBLKAD	DATA	0	
001436	0000000000000000000001	.STEP	DATA	1	
001437	0000000000000000000000	.STEPF	DATA	0	
001440	0000000000000000000034	.PROBE	VFD	60/S.PROBE	
001441	0000000000000000000024	.PROREC	VFD	60/S.CORE	
001442	0000000000000000000000	.PROBEA	DATA	0	
001443		INIT2	BSSZ	1	
001444	0000000000000000000000	OVLYF	DATA	0	MAKING OVERLAY FLAG

001445	00000000000000000004	WRITOVLY	VFD	60/S.WRITE	
001446	00000000000000000036		VFD	60/S.TEMPC	
001447	00000000000000000000		VFD	60/0	
001450	00000000000000005260		VFD	60/.RA	
001451	00000000000000000000	OVLYWC	DATA	0	WORD COUNT FOR OVERLAY
001452	00000000000000000040	SETPCNT	VFD	60/S.SETPC	
001453	00000000000000000023		VFD	60/S.CLASS2	
001454	00000000000000000000		VFD	60/0	FIRST OCCURANCE
001455	00000000000000000000	PCNTER	DATA	0	
001456	00000000000000000000	.EXTFLAG	DATA	0	
001457	5533335733335733357	TIME	DATA	10H 00.00.00.	
001460	55333450333450433755	DATE	DATA	10H 01/01/84	
001461	000000000000000050000	.SPACE	VFD	60/50000B	
001462		ENDSCR	BSS	0	

3

001462		SYSUP	ASCII	(TSS SCOPE #VER#)
		JIMGREY	MACRO	A,WHAT
		OUT	IFC	EQ,*LINEOUT*A*
			SB1	WHAT
			SR0	5
			XJ	CALLBEAD
		OUT	ENDIF	
		IN	IFC	EQ,*LINEIN*A*
			SB1	LINE
			SR6	6
			XJ	CALLBEAD
		IN	ENDIF	
			ENDM	
001467	6110000425	INIT	SR1	STARTSCR
	6170000024		SR7	S.CORE
001470	6160000000		SB6	0
	5110005250		SA1	SCOP
001471	5120005251		SA2	S
			XJ	CALLBEAD
001473			XJ	READVITL
001474	7160000001		Sx6	1
	5160000431		SA6	INITIALZ
001475	5160000706		SA6	.PRMSG
	6160000001		SB6	1
001476			XJ	CALLBEAD
001477			JIMGREY	INITIALIZE,TTYBUFF,S.TTY
001477			JIMGREY	LINEOUT,SYSUP
001501	76600		Sx6	B0
	7170000047		Sx7	N,CAPAB+2
	46002		NO	2
001502	66200		SR2	B0
	6110000001		SR1	1
001503	6130000040		SR3	N.DIRECT/S.DIRECT
001504	5162001211	INITL	SA6	.DIRECT+B2
	76620		Sx6	B2
	54761		SA7	A6+B1
001505	73771		Sx7	X7+B1
	6122000004		SR2	B2+S.DIRECT
	67331		SB3	B3-B1
001506	0631001504		GE	B3,B1,INITL
	5160000515		SA6	.EMPTY
001507	5110000721		SA1	CORENAM
	7120000000		Sx2	0
001510	6110000707		SR1	COREFIL
	6170000024		SR7	S.CORE
001511	6160000000		SB6	0
			XJ	CALLBEAD
001513	5110000712		SA1	COREFIL+3
	10311		Bx3	X1
	21336		Ax3	30
001514	7221730777	MAKERLKS	Sx2	X1-IP.MAXFL
	0322001523		PL	X2,BLKSDNE
001515	73610		Sx6	X1

001516	5160001435		SA6	.PROBEA	
			SA6	.CBLKAD	
			XJ	.PROBE	
001520	36113		IX1	X1+X3	
	0306001514		ZR	X6+MAKEBLKS	
			XJ	.MKBLK	
001522	0200001514		JP	MAKEBLKS	
001523		BLKSDNE	XJ	.MAKE	MAKE SCOPE SUBPROCESS
001524			XJ	.SETMAP	
001525		CALLED2	XJ	.WRITFIL	
001526	7160000001		SX6	1	
	5160001443		SA6	INIT2	
001527	5110001432		SA1	.REALFL	
	73610		SX6	X1	
	76700		SX7	B0	
001530	5170000740		SA7	CMDSW	
	5170000620		SA7	.QUEUEP	
001531	5160000736		SA6	.FL	
	0100000512		RJ	SETMAP	
001532			XJ	.CALL	
001533	5110001443		SA1	INIT2	
	0301001525	CALLED	ZR	X1+CALLED2	
001534	76600		SX6	B0	
	54610		SA6	A1	
	6120001536		SR2	RDYMSG	
001535	0200001574		JP	MAINDR	
001536		RDYMSG	ASCII	(ENTER TIME & DATE)	
001543		CALLSCP	XJ	64	
001544	00000000000000000002		VFD	60/S.CALL2	CALL SCOPE

SETMAP

001545	5110000736	SETMAP.	SA1	.FL	
	5120000611		SA2	.OLDFL	
001546	37221		IX2	X2-X1	
	0332001550		NG	X2,CHGUP	SENSE UPWARD CHANGE
			XJ	.SETMAP	
001550	7160000024	CHGUP	SX6	S.CORE	
	5160001441		SA6	.PROBEC	
001551	5140000712		SA4	COREFIL+3	
	76200		SX2	R0	
	21436		AX4	30	BET BLOCK SIZE
001552	37321	SETMAPL	IX3	X2-X1	
	0323001561		PL	X3,SETMAPD	
	73620		SX6	X2	
001553	36224		IX2	X2+X4	
	5160001442		SA6	.PROBEA	
001554	5160001435		SA6	.CBLKAD	
			XJ	.PROBE	
001556	0306001552		ZR	X6,SETMAPL	
			XJ	.MKBLK	
001560	0200001552		JP	SETMAPL	
001561	7232730777	SETMAPD	SX3	X2-IP.MAXFL	
	0323001570		PL	X3,SETIT	
001562	73620		SX6	X2	
	36224		IX2	X2+X4	
	5160001442		SA6	.PROBEA	
001563	5160000511		SA6	.DBLKA	
			XJ	.PROBE	
001565	0316001561		NZ	X6,SETMAPD	
			XJ	.DBLK	
001567	0200001561		JP	SETMAPD	
001570	5120000611	SETIT	SA2	.OLDFL	
	73610		SX6	X1	
	54620		SA6	A2	
001571	37221		IX2	X2-X1	
	0322000512		PL	X2,SETMAP	SENSE DOWNWARD CHANGE
			XJ	.SETMAP	
001573	0200000512		JP	SETMAP	RETURN

001574		MAINDR	JIMGREY	LINEOUT,B2
001576			XJ	SETESM
001577	5110000740		SA1	CMDSW
	0311002024		NZ	X1,RDCMD
001600			JIMGREY	LINEIN
001602	7110000572	MAINGO	SX1	LINE
	6110000001		SB1	1
001603	6140000010		SB4	8
	6170777753		SB7	-N.PAR
001604	53210		SA2	X1
	76600		SX6	B0
	43065		MX0	53
	20204		LX2	4
001605	6130000012		SB3	10
001606	20207	GETC	LX2	7
	15720		BX7	-X0*X2
	5247000225		SA4	TTYCDC+X7
001607	7254777721		SX5	X4-1R
	0305001617		ZR	X5.ENDPAR
001610	7254777723		SX5	X4-1R
	0305001617		ZR	X5.ENDPAR
001611	0374001617		ID	X4.ENDPAR
	7254777726		SX5	X4-1R
001612	0305001617		ZR	X5.ENDPAR
	7254777725		SX5	X4-1R
001613	0305001617		ZR	X5.ENDPAR
	20606		LX6	6
	12664		BX6	X6+X4
001614	67331		SB3	B3-B1
	67441		SB4	B4-B1
	0730005210		NG	B3,B.PARLNG
001615	0540001606	CHKB4	NZ	B4,GETC
	54221		SA2	A2+B1
	20204		LX2	4
001616	6140000010		SB4	8
	0400001606		EQ	GETC
001617	66333	ENDPAR	SB3	B3+B3
	66533		SB5	B3+B3
	66335		SB3	B3+B5
	22636		LX6	B3,X6
001620	5167000552		SA6	.PAR+N.PAR+B7
	6130000012		SB3	10
001621	0374001631		ID	X4,CNVDNE
	7160000000		SX6	0
001622	67441		SB4	B4-B1
	66771		SB7	B7+B1
	0770001615		NG	B7,CHKB4
001623	6120001624		SB2	TOOMANY
	0200001574		JP	MAINDR
001624		TOOMANY	ASCII	(MORE THAN #NPAR# PARAMETERS)
001631	5167000552	CNVDNE	SA6	.PAR+N.PAR+B7
	66771		SB7	B7+B1
	76600		SX6	B0

001632	0770001631		NG	B7,CNVDNE
	5110000526		SA1	.PAR
001633	6120000030		SR2	N.COM
001634	5122001643	SRCHCOM	SA2	COMD+B2-1
	0420001640		ZR	B2,ILLCOM
001635	13221		Bx2	X2-X1
	67221		SR2	B2-B1
	0312001634		NZ	X2,SRCHCOM
001636	5110000736		SA1	.FL
	6271000000		SR7	X1+0
001637	0220001674		JP	B2+COMDJ
001640	6120001641	ILLCOM	SR2	E.ILLCOM
	0400001574		EQ	MAINDR
001641	00000000000000001643	E.ILLCOM	VFD	60/*+2
001642	000000000000000017141		VFD	60/7777
001643	44760017400376640000		VFD	4/9,7/37B,7/0,7/37B,7/0,7/37B,7/155B,14/0
001644	00000000000000000000	COMD	DATA	0
001645	14000000000000000000		DATA	0LL
001646	30000000000000000000		DATA	0LX
001647	06111405000000000000		DATA	0LFILE
001650	07170000000000000000		DATA	0LGO
001651	32052217000000000000		DATA	0LZERO
001652	15230700000000000000		DATA	0LMSG
001653	17260522140131000000		DATA	0LOVERLAY
001654	24053024000000000000		DATA	0LTEXT
001655	05160400000000000000		DATA	0LEND
001656	04171605000000000000		DATA	0LDONE
001657	03171624000000000000		DATA	0LCONT
001660	04050225070000000000		DATA	0LDEBUG
001661	23000000000000000000		DATA	0LS
001662	23240520000000000000		DATA	0LSTEP
001663	20252400000000000000		DATA	0LPUT
001664	07052400000000000000		DATA	0LGET
001665	22061400000000000000		DATA	0LRFL
001666	06172207052400000000		DATA	0LFORGET
001667	04012405000000000000		DATA	0LDATE
001670	24111505000000000000		DATA	0LTIME
001671	05032300000000000000		DATA	0LECS
001672	03171514051607241000		DATA	0LCOMLENGTH
001673	23200103050000000000		DATA	0LSPACE
001674	0200001640	COMDJ	JP	ILLCOM
001675	0200004022		JP	PRELOAD
001676	0200002306		JP	XECUTE
001677	0200002016		JP	FILE
001700	0200004076		JP	ENTER
001701	0200002235		JP	ZEROCORE
001702	0200002243		JP	MSGSW
001703	0200004126		JP	MAKEOVLY
001704	0200002264		JP	TEXTGEN
001705	0200002510		JP	END
001706	0200002053		JP	DONE
001707	0200002426		JP	RCL
001710	0200001724		JP	DEBUG

001711	0200002447		JP	GO
001712	0200001727		JP	SETSTEP
001713	0200001740		JP	PUT
001714	0200002140		JP	GET
001715	0200002226		JP	RFL
001716	0200002115		JP	FORGET
001717	0200002010		JP	DATESET
001720	0200002013		JP	TIMESSET
001721	0200001770		JP	ECS
001722	0200001753		JP	COMSET
001723	0200001763		JP	SPACE
	0000030	N.COM	EQ	COMDJ-COMD
001724	6160000004	DEBUG	SR6	4
			XJ	CALLBEAD
001726	6120002437		SB2	HELLOAGN
	0200001574		JP	MAINDR
001727	5110001436	SETSTEP	SA1	.STEP
	7261000001		SX6	X1+1
001730	5160001437		SAB	.STEPF
	6120001732		SB2	OKMSG
001731	0200001574		JP	MAINDR
001732		OKMSG	ASCII	OK
001735	00000000000000000026	.JPBEAD	VFD	60/S.JUMP
001736	00000000000000000007		VFD	60/S.BEADCC
001737	00000000000000000000		DATA	0

SCOPE VER 2.06 P U T

SCOPE SIMULATOR

01 JAN 84 00:00:00 PAGE NO. 14

001740	5110000527	PUT	SA1	.PAR+1	
	6170001742		SB7	PUT2	
001741	6110002124		SB1	FORGETN	
	0200002117		JP	FINDNAME	
001742	6112001211	PUT2	SB1	B2+.DIRECT	
	6120000001		SB2 ⁴⁶	1	UPDATE
001743			XJ	CALLBEAD	
001744	5110000515		SA1	.EMPTY	
	73610		SX6	X1	
	56610		SA6	B1	
001745	7161776566		SX6	B1-.DIRECT	
	54610		SA6	A1	
001746	6120001747	+	SB2	*+1	
	0200001574		JP	MAINDR	
001747			ASCII	REPLACED	

001753	6170001761	COMSET	SB7	ENDCONV	
	0200001754		JP	CONVDEC	
001754	5110000527	CONVDEC	SA1	.PAR+1	
	43066		MX0	54	
	76600		SX6	B0	
001755	20106	COMCONV	LX1	6	
	15210		BX2	-X0*X1	
	11101		BX1	X0*X1	
001756	0302001760		ZR	X2.ENDCONVX	
	7222777744		SX2	X2-1R0	
001757	20603		LX6	3	
	12662		BX6	X6+X2	
	0200001755		JP	COMCONV	
001760	0270000000	ENDCONVX	JP	B7	RETURN
001761	5160000617	ENDCONV	SA6	.COMLEN	
	6120001732		SB2	OKMSG	
001762	0200001574		JP	MAINDR	
001763	6170001764	SPACE	SB7	SETSPACE	
	0200001754		JP	CONVDEC	
001764	5160001461	SETSPACE	SA6	.SPACE	
	6120001732		SB2	OKMSG	
001765	0200001574		JP	MAINDR	

001766	05032300000000000000	ECSFN	DATA	0LECS	
001767	03172205000000000000	ECSUN	DATA	0LCORE	
001770	5110001766	ECS	SA1	ECSFN	
	5120001767		SA2	ECSUN	
001771	6160000000		SR0	0	
	6110001211		SR1	.DIRECT	FIRST ENTRY FOR ECS
001772	6170000045		SR7	N.CAPAB	
			XJ	CALLBEAD	GET ECS FILE
001774	76670		SX6	B7	
	7170005260		SX7	.RA	
001775	5160000750		SA6	.SYSCALL+P.CAP	
	5170000752		SA7	.SYSCALL+P.CMADR	
001776	7160000000		SX6	0	
	5160000751		SA6	.SYSCALL+P.FILADR	
001777	7160050000		SX6	50000B	
	5160000736		SA6	.FL	
002000	5160000753		SA6	.SYSCALL+P.WORDC	
	0100000512		RJ	SETMAP	
002001	76700		SX7	R0	
	66200		SR2	R0	
	6110000001		SR1	1	
002002		MAKEECS	SYSCALL	S.WRITE,1	
002004	0100000455		RJ	GETBLK	
002005	7277050000		SX7	X7+50000B	
	5170000751		SA7	.SYSCALL+P.FILADR	
002006	7267657777		SX6	X7-120000B	
	0336002002		NG	X6.MAKEECS	
002007	6120001732		SB2	OKMSG	
	0200001574		JP	MAINDR	

	TIME - DATE			
002010	5110000527	DATESET	SA1	.PAR+1
	10611		Bx6	X1
002011	5160001460		SA6	DATE
	6120001732		SB2	OKMSG
002012	0200001574		JP	MAINDR
002013	5110000527	TIMESET	SA1	.PAR+1
	10711		Bx7	X1
002014	5170001457		SA7	TIME
	6120001732		SB2	OKMSG
002015	0200001574		JP	MAINDR

002016	7160000001	FILE	SX6	1	
	5160000740		SA6	CMDSW	
002017	5110000527		SA1	.PAR+1	
	5120000530		SA2	.PAR+2	
002020	66600		SB6	B0	
	6110000741		SB1	CMDFILE	
002021	6170000042		SB7	S.CMDFIL	
			XJ	CALLBEAD	
002023	76600		SX6	B0	
	5160000745		SA6	CMDFILP	RESET FILE POINTER
002024	5110000745	RDCMD	SA1	CMDFILP	
	7160000001		SX6	1	
002025	5160000753		SA6	.SYSCALL+P.WORDC	
	7160000042		SX6	S.CMDFIL	
002026	5160000750		SA6	.SYSCALL+P.CAP	
	7150000572		SX5	LINE	
002027	6110000001		SB1	1	
002030	73610	RDCMDL	SX6	X1	
	73750		SX7	X5	
	5160000751		SA6	.SYSCALL+P.FILADR	
002031	5170000752		SA7	.SYSCALL+P.CMAOR	
			SYSCALL	S.READ+1	
002034	0200002043		JP	ENDFILE	
002035	53250		SA2	X5	
002036	0601002037	+	LE	B1,B0,*+1	
	0352002043		OR	X2.ENDFILE	
002037	7255000001		SX5	X5+1	
	7211000001		SX1	X1+1	
002040	6111777776		SB1	B1-1	
	0610002030		PL	B1,RDCMDL	
002041	0322002030		PL	X2,RDCMDL	
	7261777776		SX6	X1-1	
002042	5160000745		SA6	CMDFILP	
	0200001602		JP	MAINGO	
002043	6110000741	ENDFILE	SB1	CMDFILE	
	6160000001		SB6	1	
002044			XJ	CALLBEAD	
002045	7160000000		SX6	0	
	5160000740		SA6	CMDSW	
002046	6120002047	+	SB2	*+1	
	0200001574		JP	MAINDR	
002047			ASCII	(FILE EXHAUSTED)	

002053	6110001405	DONE	SR1	.DIRECT+N.DIRECT-S.DIRECT
	43052		MX0	42
002054	7111776566	DONEL	SX1	B1-.DIRECT
	0331002075		NG	X1,CALLEND
002055	56110		SA1	B1
	11201		Bx2	X0*X1
	0312002057		N7	X2,UPDATE
002056	6111777773		SR1	R1-S.DIRECT
	0200002054		JP	DONEL
002057	6160000002	UPDATE	SR6	2
	73310		SX3	X1
002060	0333002071		NG	X3:DONEL2 SENSE READ ONLY FILE
	10433		BX4	X3
002061	7131776566		SX3	B1-.DIRECT
	21302		AX3	2
002062	7273000045		SX7	X3+N.CAPAB
	63770		SB7	X7
002063	5170000750		SA7	.SYSCALL+P.CAP
	0303002070		ZR	X3,NOFIL SENSE ECS
002064	20473		Lx4	59
	0334002070		NG	X4,NOFIL SENSE READ RELEASE DONE LAST
002065	6121776566		SR2	B1-.DIRECT
	6110000001		SB1	1
002066	6170002067		SR7	UPDTE2
	0200003541		JP	REWIND REWIND THE FILE
002067	6160000001	UPDTE2	SR6	1
	6112001211		SB1	R2+.DIRECT
002070		NOFIL	XJ	CALLBEAD
002071	43052	DONEL2	MX0	42
	5110000515		SA1	.EMPTY
002072	7161776566		SX6	B1-.DIRECT
	54610		SA6	A1
	73610		SX6	X1
002073	56610		SA6	B1
	6111777773		SB1	B1-S.DIRECT
002074	0200002054		JP	DONEL
002075		CALLEND	XJ	CLEARSCP
002076			XJ	JPSCP
002077		KILLUSER	XJ	ZAPUSER
002100	6160000002		SR6	2
	6110000707		SB1	COREFIL
002101	6170000024		SB7	S.CORE
			XJ	CALLBEAD
002103			XJ	.JPBEAD
002104	00000000000000000040	CLEARSCP	VFD	60/S.MODPC:60/S.CLASS:60/-1:60/KILLUSER
002110	00000000000000000026	JPSCP	VFD	60/S.JUMP:60/S.CLASS:60/-1
002113	00000000000000000043	ZAPUSER	VFD	60/S.DSUB:60/S.CLASS2

002115	5110000527	FORGET	SA1	.PAR+1
	6110002124		SB1	FORGETN
002116	6170002131		SB7	FORGETD
002117	66200	FINDNAME	SB2	B0
	43052		MX0	42
	6130000200		SB3	N.DIRECT
002120	5122001211	FORGETL	SA2	.DIRECT+B2
	11202		BX2	X0*X2
	13312		BX3	X1-X2
002121	0303002123		ZR	X3,NAMEFND
	6122000004		SB2	B2+S.DIRECT
002122	0723002120		LT	B2,B3,FORGETL
	0210000000		JP	B1
002123	0270000000	NAMEFND	JP	B7
002124	6120002125	FORGETN	SB2	**1
	0200001574		JP	MAINDR
002125			ASCII	(NOTFOUND)
002131	5110000515	FORGETD	SA1	.EMPTY
	73610		SX6	X1
	76720		SX7	B2
002132	54710		SA7	A1
	54620		SA6	A2
002133	6120002134	+	SB2	**1
	0200001574		JP	MAINDR
002134			ASCII	FORGOTTEN

002140	5110000527	GET	SA1	.PAR+1	
	6170002174		SB7	GETERR	
002141	6110002142		SB1	GET1	
	0200002117		JP	FINDNAME	
002142	5110000527	GET1	SA1	.PAR+1	
	5120000530		SA2	.PAR+2	
002143	66600		SB6	B0	
	5130000515		SA3	.EMPTY	
002144	5243001211		SA4	X3+.DIRECT	
	73640		SX6	X4	
	54630		SA6	A3	
002145	64140		SB1	A4	
	21302		AX3	2	
	6273000045		SR7	X3+N.CAPAB	
002146			XJ	CALLBEAD	
002147	76670		SX6	B7	
	5160001441		SA6	.PROBE+1	
	76600		SX6	B0	
002150	5160001442		SA6	.PROBEA	
			XJ	.PROBE	
002152	56310		SA3	B1	
	20364		LX3	52	
	43070		MX0	56	
002153	7140000004		SX4	SEC.REW	
	11703		BX7	X0*X3	
	12774		BX7	X7+X4	
002154	20710		LX7	8	
	54730		SA7	A3	
	0316002203		NZ	X6+NEWFILE	
002155	56310		SA3	B1	
	20364		LX3	52	
	6121776566		SB2	B1-.DIRECT	
002156	6110000001		SB1	1	
	76670		SX6	B7	
002157	5160000750		SA6	.SYSCALL+P.CAP	
	6170002161		SB7	GET2	
002160	0200003561		JP	READRW	
002161	6112001211	GET2	SB1	B2+.DIRECT	
	6120002170		SB2	OK	
002162	5110000532		SA1	.PAR+4	
	0301001574		ZR	X1+MAINDR	
002163	6160000001		SB6	1	
			XJ	CALLBEAD	
002165	43601		MX6	1	
	20622		LX6	18	
	56110		SA1	B1	
	12616		BX6	X1+X6	SET READ ONLY BIT
002166	54610		SA6	A1	
	6120002170		SB2	OK	
002167	0200001574		JP	MAINDR	
002170		OK	ASCII	OBTAINED	
002174	6120002175	GETERR	SR2	*+1	
	0200001574		JP	MAINDR	

002175			ASCII	(WILL CAUSE DUPLICATE FILES)
002203	5150000531		SA5	.PAR+3
	0315002216	NEWFILE	NZ	X5,WILLGET
002204	6160000001		SB6	1
			XJ	CALLBEAD PUT BACK
002206	5110000515		SA1	.EMPTY
	7161776566		SX6	B1-.DIRECT
002207	54610		SA6	A1
	73610		SX6	X1
	56610		SA6	B1 REMOVE FROM DIRECTORY
002210	6120002211		SR2	*+1
	0200001574		JP	MAINDR
002211			ASCII	(NEWFILE .. GIVE MODE)
002216	5140002266	WILLGET	SA4	TEXT4L
	13445		BX4	X4-X5
002217	0304002267		ZR	X4,TEXTGEN2
	76670		SX6	B7
002220	5160000750		SA6	.SYSCALL+P.CAP
	76300		SX3	B0
002221	7160000001		SX6	1
	20636		LX6	30
002222	5161000002		SA6	B1+D.FILADR
	6121776566		SB2	B1-.DIRECT
002223	6110000001		SB1	1
	6170002225		SB7	GET3
002224	0200003574		JP	WRITERW
002225	6120002302	GET3	SR2	TEXTMSG
	0200001574		JP	MAINDR

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002226	5110000527	RFL	SA1	.PAR+1
	76600		SX6	B0
	43066		MX0	S4
002227	20106	RFL	LX1	6
	15210		BX2	-X0*X1
	11110		BX1	X1*X0
002230	0302002232		ZR	X2-RFLB
	7222777744		SX2	X2-1R0
002231	20603		LX6	3
	36662		IX6	X6+X2
	0200002227		JP	RFL
002232	5160000736	RFLB	SA6	.FL
	5160001432		SA6	.REALFL
002233	0100000512		RJ	SETMAP
002234	6120001732		SB2	OKMSG
	0200001574		JP	MAINDR

002235	76600	ZEROCORE	Sx6	B0
	67271		SR2	B7-B1
002236	56632		SR3	.RA
	67221	ZEROL	SA6	B3+B2
			SR2	B2-B1
002237	6120002240		PL	B2,ZEROL
	0620002236		SB2	ZEROMSG
	0400001574		EQ	MAINDR
002240		ZEROMSG	ASCII	ZERGED
002243	5110000527	MSGSW	SA1	.PAR+1
	5120002262		SA2	ON
002244	5130002263		SA3	OFF
	13221		Bx2	X2-X1
	13331		Bx3	X3-X1
002245	0302002254		ZR	X2.TURNON
	0313001640		NZ	X3.ILLCOM
002246	76600		Sx6	B0
	5160000706		SA6	.PRTMSG
002247	6120002250		SB2	MSGOFF
	0400001574		EQ	MAINDR
002250		MSGOFF	ASCII	(MESSAGES OFF)
002254	7160000001	TURNON	Sx6	1
	5160000706		SA6	.PRTMSG
002255	6120002256		SB2	MSGON
	0400001574		EQ	MAINDR
002256		MSGON	ASCII	(MESSAGES ON)
002262	17160000000000000000	ON	DATA	OLON
002263	17060600000000000000	OFF	DATA	OLOFF

002264	5110002266	TEXTGEN	SA1	TEXT4L
	10611		Bx6	X1
002265	5160000531		SA6	.PAR+3
	0200002140		JP	GET
002266	2405302400000000000	TEXT4L	DATA	4LTEXT
002267	56110	TEXTGEN2	SA1	B1
	7170000022		Sx7	SEC.REW*4+2
	20706		Lx7	6
002270	12771		Bx7	X7+X1
	54710		SA7	A1
	76670		Sx6	B7
002271	5160000714		SA6	EOICAP
	5160000723		SA6	.CREBLKC
002272	56310		SA3	B1
	76670		Sx6	B7
	5111000003		SA1	B1+D.MAX
002273	10611		Bx6	X1
	21636		Ax6	30
	12661		Bx6	X6+X1
	54610		SA6	A1
002274	5111000003		SA1	B1+D.MAX
	10611		Bx6	X1
	21636		Ax6	30
002275	12661		Bx6	X6+X1
	54610		SA6	A1
	76600		Sx6	B0
002276	5160000724		SA6	.CREBLKA
			XJ	.CREBLK
002300			XJ	WRITEEOI
002301	6120002302		SR2	TEXTMSG
	0200001574		JP	MAINDR
002302		TEXTMSG	ASCII	GENERATED

002306	5110000527	XECUTE	SA1	.PAR+1	
	5120001432		SA2	.REALFL	
002307	73620		SX6	X2	
	5160000736		SA6	.FL	
002310	0100000512		RJ	SETMAP	
002311	5110000527		SA1	.PAR+1	
	7140000000		SX4	0	
002312	0100000504		RJ	PREPARE	
002313	0200002357		JP	XG0	
002314	5120002701	PREPAREG	SA2	LIBNAME	
	6160000000		SB6	0	
002315	6110000425		SB1	STARTSCR	
	6170000036		SB7	S.TEMPC	
002316	73640		SX6	X4	
	5160000506		SA6	.TEMPX4	
			XJ	CALLBEAD	
002320	6110000001		SB1	1	
	7160000036		SX6	S.TEMPC	
002321	5160000750		SA6	.SYSCALL+P.CAP	
	7170000000		SX7	0	
002322	7160000725		SX6	.OVLYHDR	
	5170000751		SA7	.SYSCALL+P.FILADR	
002323	5160000752		SA6	.SYSCALL+P.CMADR	
	7160000002		SX6	2	
002324	5160000753		SA6	.SYSCALL+P.WORDC	
	7150000002		SX5	2	
002325		RE.READ	SYSCALL	S.READ	
002327	5110000725		SA1	.OVLYHDR	
	54211		SA2	A1+B1	
	73620		SX6	X2	
002330	21222		AX2	18	
	5160000727		SA6	.ENTRY	
002331	7272005261		SX7	X2+.RA+1	
	5140000506		SA4	.TEMPX4	
002332	0304002333	*	ZB	X4,*+1	CHECK IF ALTERNAMTE LOAD ADDRESS
	7274005261		SX7	X4+.RA+1	ALLOW FOR OVERLAY HEADER
002333	10422		BX4	X2	SAVE TABLE SIZE
	21244		AX2	36	
	0312002343		NZ	X2,CHKOVLY	
002334	21422		AX4	18	
	7264000001		SX6	X4+1	
	37616		IX6	X1-X6	
002335	54610		SA6	A1	
	7160000001		SX6	1	
002336	7170000726		SX7	.OVLYHDR+1	
	5160000753		SA6	.SYSCALL+P.WORDC	
002337	5170000752		SA7	.SYSCALL+P.CMADR	
	7264000002		SX6	X4+2	GET TABLE SIZE
002340	7256000001		SX5	X6+1	
	5110000751		SA1	.SYSCALL+P.FILADR	
002341	0311001640		NZ	X1,ILLCOM	
	5160000751		SA6	.SYSCALL+P.FILADR	
002342	0200002325		JP	RE.READ	

002343	7222000027	CHKOVLY	SX2	X2+278	
	0312001640		NZ	X2,ILLCOM	
002344	5170000752		SA7	.SYSCALL+P.CMADR	
	73650		SX6	X5	
002345	5160000751		SA6	.SYSCALL+P.FILADR	
	7271777776		SX7	X1-1	
002346	5170000753		SA7	.SYSCALL+P.WORDC	
			SYSCALL	S.READ+1	
002351	0200005173		JP	E.READ	
002352	6160000001		SB6	1	UPDATE
	6170000036		SB7	S.TEMPC	
002353	6110000425		SB1	STARTSCR	
	56170		SA1	B7	
	43673		MX6	59	
002354	20621		LX6	17	
	11661		BX6	X6*X1	CLEAR BUSY BIT
	54610		SA6	A1	
			XJ	CALLBEAD	
002356	0200000504		JP	PREPARE	
002357	6170000001	X60	SA7	1	
	6110000006		SB1	6	IGNORE #X, #
002360	6120000012		SB2	10	
	5110000572		SA1	LINE	
002361	76600		SX6	B0	
	43065		MX0	53	
	20122		LX1	4+7*2	
	66300		SB3	B0	
002362	20107	CC1	LX1	7	
	15210		BX2	-X0*X1	
	5222000225		SA2	X2+TTYCDC	
002363	0372002371		ID	X2,CC3	
	20606		LX6	6	
	12662		BX6	X6*X2	
002364	67117		SB1	B1-B7	
	67227		SB2	B2-B7	
	0520002367		NZ	B2,CC2	
002365	5163005350		SA6	.RA+70B+B3	
	76600		SX6	B0	
	66337		SB3	B3+B7	
002366	6120000012		SB2	10	
002367	0510002362	CC2	NZ	B1,CC1	
	54117		SA1	A1+B7	
	20104		LX1	4	
002370	6110000010		SB1	8	
	0200002362		JP	CC1	
002371	7120000057	CC3	SX2	1R.	
	20606		LX6	6	
	12662		BX6	X6*X2	
002372	67227		SB2	B2-B7	
	66222		SB2	B2+B2	
	66422		SB4	B2+B2	
	66224		SB2	B2+B4	*6
002373	22626		LX6	X6*B2	

002374	5110000727		SA0	.RA+70B+83	
			SA1	.ENTRY	
		6110000001	SB1	1	
002375	6160005260		SB:RA	.RA	
		66200	SR2	B0	
002376	5122000530		SA2	.PAR+B2+2	
		0302002401	ZR	X2,CC5	SENSE LAST PARAMETER
002377	10622		Bx6	X2	
		5162005262	SA6	.RA+B2+2	
		66221	SB2	B2+B1	
002400	0200002376		JP	CC4	
002401	76620		Sx6	B2	
		5160005344	SA6	.RA+64B	
002402	5120000736		SA2	.FL	
		63720	SB:FL	X2	
002403	0200004727		JP	CALLABS	

002404	0200002404		JP	*	-3
002405	0200002405		JP	*	-2
002406	0200002414		JP	NORMAL	-1
002407		SCOPE	XJ	.SAVREG	
002410	5110000431	SCOPEGO	SA1	INITIALZ	
	0301001467		ZR	X1,INIT	
002411	5110000002		SA1	2	
	0301001533		ZR	X1,CALLED	
002412	7211777774		SX1	X1-3	
	0301002415		ZR	X1,NORMAL+1	
002413	0200001533		JP	CALLED	
002414		NORMAL	XJ	.SAVREG	
002415	5110005261		SA1	.RA+1	
	10611		Bx6	X1	
	76700		SX7	B0	
002416	54710		SA7	A1	ZERO RA+1
	5160001431		SA6	.REQ	
			XJ	SETESM	
002420	5120000736	SCOPEL	SA2	.FL	
	5110001431		SA1	.REQ	
002421	63720		SB7	X2	SET UP B7 TO FILED LENGTH
	43022		MX0	18	
	11201		BX2	X0*X1	GET REQUEST
	20222		LX2	18	
002422	6110000001		SB1	1	
	6120000014		SB2	N.PPUREQ	
002423	0420005073	LOCATE	ZR	B2,E.PPCALL	SENSE PP CALL ERROR
	5142002450		SA4	PPCALLS*B2-1	
002424	13442		Bx4	X4-X2	
	67221		SB2	B2-B1	
	0314002423		NZ	X4,LOCATE	
002425	0220002465		JP	PRADR*B2	
002426	5110000616	RCL	SA1	.DMPQUE	
	0311002502		NZ	X1,NEXTQ	SENSE IN PROCESS OF DUMPING QUEUE
002427	5110000522		SA1	.LOADER	
	0301002432		ZR	X1,USERRTN	
002430			XJ	.RSTLOAD	
002431	0200000523		JP	LDRSCOPE	
002432	5110001436	USERRTN	SA1	.STEP	
	5120001437		SA2	.STEPF	
002433	7261000001		SX6	X1+1	
	54610		SA6	A1	
	37112		LX1	X1-X2	
002434	0301002446		ZR	X1,STEP	
			XJ	.RSTREG	
002436		RTN	XJ	.RETURN	
002437		HELLOAGN	ASCII	(SCOPE HERE)	
002443		STEPMSG	ASCII	STEP	
002446	6120002443	STEP	SB2	STEPMSG	
	0200001574		JP	MAINDR	
002447	5110001436	GO	SA1	.STEP	
	7261000001		SX6	X1+1	
002450	5160001437		SA6	.STEPF	

SCOPE VER 2.06 ENTRY POINT SCOPE SIMULATOR

01 JAN 84 00:00:00 PAGE NO. 30

0200002432

JP

USERRTN

002451	00000000000000031117	PPCALLS	DATA	ORCIO	
002452	00000000000000072315		DATA	3RGSM	
002453	000000000000000150515		DATA	3RMEM	
002454	000000000000000220314		DATA	3RRCL	
002455	000000000000000141102		DATA	3RLIB	
002456	000000000000000152307		DATA	3RMSG	
002457	000000000000000051604		DATA	3REND	
002460	000000000000000010224		DATA	3RABT	
002461	000000000000000172005		DATA	3ROPE	
002462	000000000000000031417		DATA	3RCLO	
002463	000000000000000241115		DATA	3RTIM	
002464	000000000000000140422		DATA	3RLDR	
002465	0200002714	PPADR	JP	TESTCIO	
002466	0200002557		JP	GSM	
002467	0200002702		JP	MEM	
002470	0200000612		JP	DMPQUEUE	DUMP OUT QUEUE ON RCL REQUEST
002471	0200002635		JP	LIB	
002472	0200002601		JP	MSGPUT	
002473	0200002510		JP	END	
002474	0200002512		JP	ABT	
002475	0200002722		JP	CIO	OPE
002476	0200002553		JP	DUMMY	
002477	0200002525		JP	TIM	
002500	0200002536		JP	LDR	
	0000014	N.PPUREQ	EQU	PPADR-PPCALLS	

D M P Q U E U E					
002501	7160000001	FLSHQ	SX6	1	
	5160000616		SA6	.DMPQUE	SET SWITCH
002502	5120000620	NEXTQ	SA2	.QUEUEP	
	7272777776		SX7	X2-1	
002503	0337002506		NG	X7+QDMPED	SENSE QUEUE IS NOW DUMPED
	5217000621		SA1	X7+.QUEUE	
002504	10611		BX6	X1	
	5160001431		SA6	.REQ	
	54720		SA7	A2	RESTORE QUEUE POINTER
002505	0200002722		JP	CIO	PROCESS QUEUED REQUEST
002506	7160000000	QDMPED	SX6	0	
	5160000616		SA6	.DMPQUE	RESET SWITCH
002507	0200000614		JP	FLUSH	

002510	0100000614	END	RJ	FLUSH
002511	6120002522		SR2	ENDMSG
	0200002514		JP	BRING
002512	0100000614	ABT	RJ	FLUSH
002513	6120002517		SR2	ABTMSG
002514	5110001432	BRING	SA1	.REALFL
	73610		SX6	X1
002515	5160000736		SA6	.FL
	0100000512		RJ	SETMAP
002516	0200001574		JP	MAINDR
002517		ABTMSG	ASCII	ABORT
002522		ENDMSG	ASCII	END

002525	63210	TIM	SR2	X1	
	0720005061		NG	B2+E.AOR	
002526	0627005061		GE	B2+B7+E.AOR	
	20143		LX1	35	
002527	0331002533		NG	X1+ASKDATE	SENSE DATE REQUEST
	20173		LX1	59	
002530	0321002534		PL	X1+TIMEZERO	SENSE NOT TIME REQUEST
	5110001457		SA1	TIME	
002531	10611	TIME DATE	BX6	X1	
	5162005260		SA6	B2+.RA	
002532	0200002426		JP	RCL	
002533	5110001460	ASKDATE	SA1	DATE	
	0200002531		JP	TIME DATE	
002534	7160000001	TIMEZERO	SX6	1	
	5162005260		SA6	B2+.RA	
002535	0200002426		JP	RCL	

LDR

002536	63210	LDR	SR2	X1	
	0720005061		NG	B2,E.AOR	
002537	0627005061		GE	B2,B7,E.AOR	
	5112005260		SA1	B2+.RA	
002540	5041000001		SA4	A1+1	
	73440		SA4	X4	GET LOAD ADDRESS
002541	0334005061		NG	X4,E.AOR	
	5150000736		SA5	.FL	
002542	37545		IX5	X4-X5	
	0325005061		PL	X5,E.AOR	
002543	0100000504		RJ	PREPARE	LOAD OVERLAY
002544	5110000727		SA1	.ENTRY	
	5120001431		SA2	.REQ	
002545	43652		MX6	42	
	15116		BX1	-X6*X1	
	5160005347		SA6	67B+.RA	
002546	10611		BX6	X1	
	5262005261		SA6	.RA+X2+1	
002547	5110000726		SA1	.OVLYHDR+1	
	10611		BX6	X1	
002550	5110000752		SA1	.SYSCALL+P.CMADR	
	721177776		SX1	X1-1	
002551	7221772517		SA2	X1+.RA	
	0332002426		NG	X2,RCL	
002552	53610		SA6	X1	
	0200002426		JP	RCL	

002553	63210	DUMMY	SR2	X1	
	0720005061		NG	B2+E.AOR	
002554	0627005061		GE	B2+B7+E.AOR	
	5112005260		SA1	B2+.RA	
002555	7160000001		SX6	1	
	12661		Bx6	X6+X1	SET COMPLETE BIT
	54610		SA6	41	
002556	0200002426		JP	RCL	

002557	63210	GSM	SR2	X1	
	0720005061		NG	B2+E.AOR	
002560	0627005061		GF	B2+B7+E.AOR	
	6160000007		SB6	7	
002561	7110000076		Sx1	76B	UP ARROW
			XJ	CALLBEAD	
002563			JIMGREY	LINEIN	
002565	5110001431		SA1	.REQ	
	6130000010		SB3	8	CHAR
002566	5120000572		SA2	LINE	
	43365		MX3	53	
002567	6140000000		SB4	0	
	20213		LX2	11	
002570	7211005260		SX1	X1+.RA	
002571	15423	GSML	Bx4	-X3*X2	
	5244000225		SA4	TTYCDC+X4	
	73640		SX6	X4	
002572	53614		SA6	X1+B4	
	6144000001		SB4	B4+1	
	20207		LX2	7	
002573	7173777657		SX7	B3-B0	
	0327002600		PL	X7+ITSDONE	
002574	6133777776		SB3	B3-1	
	0530002577		NZ	B3+CHKX4	
002575	5022000001		SA2	A2+1	
	20212		LX2	11	
002576	6130000010		SB3	8	
002577	0364002571	CHKX4	DF	X4+GSML	
002600	73600	ITSDONE	SX6	X0	
	54666		SA6	A6	ZERO LAST WORD
	0200002426		JP	RCL	

002601	63210	MSGPUT	SR2	X1	GET REQ ADDRESS
	20123		LX1	19	GET AUTO RECALL
	0720005061		NG	B2,E,AOR	
002602	0627005061		GE	B2,B7,E,AOR	
	0321002606		PL	X1,NORCL	
002603	20151		LX1	60-19	
	5211005260		SA1	.RA+X1	
	21136		AX1	30	
002604	63210		SR2	X1	
	0720005061		NG	B2,E,AOR	
002605	0627005061		GE	B2,B7,E,AOR	
002606	5110000706	NORCL	SA1	.PRMSG	
	0301002426		ZR	X1,RCL	EXIT IF NO MESSAGES
002607	6150000010		SB5	8	
	5142005260		SA4	B2+.RA	
002610	43366		MX3	54	
	6160000007		SB6	7	
002611	6120000012		SR2	10	
002612	20406	MSGL	LX4	6	
	15143		BX1	-X3*X4	
	0301002632		ZR	X1,SENDOR	
002613	5211000125		SA1	X1+CDCTTY	
			XJ	SAVMSG	
002615			XJ	CALLBEAD	
002616			XJ	RSTMSG	
002617	6122777776	MASR	SB2	B2-1	
	0520002612		NZ	B2,MSGL	
002620	5044000001		SA4	A4+1	
	6120000012		SR2	10	
002621	6155777776		SB5	B5-1	
	0550002612		NZ	B5,MSGL	
002622	6120002623		SB2	MSGERR	
	0400001574		EO	MAINDR	
002623		MSGERR	ASCII	(MSG FMT ERR)	
002627	00000000000000002631	SENDOR	VFD	60/*+2	
002630	00000000000000000012		VFD	60/10	
002631	03320000000000000000		VFD	4/0,7/155B,49/0	
002632	6160000005	SENDOR	SB6	5	
	6110002627		SB1	SENDOR	
002633			XJ	CALLBEAD	
002634	0200002426		JP	RCL	

002635	6150002426	LIB	SB5	RCL	
	63610		SB6	X1	
002636	0667005061		GE	B6,B7,E,AOR	
	5110002701		SA1	LIBNAME	
002637	10611		Bx6	X1	
	43052		MX0	42	
	0760005061		NG	B6,E,AOR	
002640	5160000746		SA6	.USERNME	
	5126005260		SA2	B6+.RA	GET ENTRY NAME WANTED
002641	7160000004	LIBEXT	SX6	S.DIRECT	
	11202		Bx2	X0*X2	GET NAME
002642	5160000753		SA6	.SYSCALL+P.WORDC	
	7160000033		SX6	S.LIBDIR	
002643	5160000750		SA6	.SYSCALL+P.CAP	
	7170000516		SX7	.LIBENT	
002644	5170000752		SA7	.SYSCALL+P.CMADR	
	7170777775		SX7	-2	
002645	5170000751		SA7	.SYSCALL+P.FILADR	
002646	5110000751	SRCHLIB	SA1	.SYSCALL+P.FILADR	
	37617		IX6	X1-X7	ADD 2
	54610		SA6	A1	
002647			SYSCALL	S.READ+1	
002651	0200005173		JP	F.READ	
002652	5110000516		SA1	.LIBENT	
	13312		Bx3	X1-X2	
002653	0301002676		ZR	X1,E,NOLIB	
	0313002646		NZ	X3,SRCHLIB	
002654	5110000517		SA1	.LIBENT+1	GET REAL FILE NAME
	6130000200		SB3	N.DIRECT	
002655	6170002426		SB7	RCL	
	43252		MX2	42	
	11221		Bx2	X2*X1	
002656	66200		SB2	B0	
	43752		MX7	42	
	66750		SB7	B5	
002657	5112001211	CHKDUP	SA1	.DIRECT+B2	
	11171		Bx1	X7*X1	
	13112		Bx1	X1-X2	
002660	0301002677		ZR	X1,LIBTHERE	
	6122000004		SR2	B2+S.DIRECT	
002661	0723002657		LT	B2,B3,CHKDUP	
	10122		Bx1	X2	GET FILE NAME
002662	5120000746		SA2	.USERNME	
	5130000515		SA3	.EMPTY	
002663	5243001211		SA4	X3+.DIRECT	
	73640		SX6	X4	
	54630		SA6	A3	
002664	04140		SB1	A4	
	21302		AX3	2	/4
	6273000045		SR7	X3+N.CAPAB	
002665	6160000000		SB6	0	
			XJ	CALLBEAD	
002667	56510		SA5	B1	

LIB

6110000001
 002670 7160002000 76270 20202
 002671 10711 5130001431
 002672 5273005260 43052 11705
 002673 12776 54750 76600
 002674 5170002426 5160000746
 002675 0200003561
 002676 76200
 002677 10622 5166005260
 002700 0250000000
 002701 14110222012231000000

E.NOLIB
 LIBTHERE

LIBNAME

SR1 1
 SX6 SEC.REW**4*64
 SX2 B7
 LX2 2 *4
 BX7 X1
 SA3 .REQ
 SA7 X3+.RA RETURN FILE NAME
 MX0 42
 BX7 X0*X5
 BX7 X7*X6
 SA7 A5
 SX6 B0
 SR7 RCL
 SA6 .USERNAME
 JP READRW
 SX2 B0
 BX6 X2
 SA5 B6+.RA RETURN NAME
 JP B5
 DATA 7LLIBRARY

002702	6261000000	MEM	SR6	X1+0	GET REQ ADDRESS
	0667005061		GE	B6,B7,E.AOR	SENSE ADDRESS OUT OF RANGE
002703	0760005061		NG	B6,E.AOR	
	5126005260		SA2	B6+.RA	READ STATUS
002704	10322		Bx3	X2	
	21336		AX3	30	
	0313002710		NZ	X3.MEM.UP	
002705	5110000736	RTNSTAT	SA1	.FL	
	76610		SX6	B1	
	20136		LX1	30	
002706	12661		BX6	X6+X1	
	5166005260		SA9	B6+.RA	
002707	0400002426		EQ	RCL	RETURN
002710	73630	MEM.UP	SX6	X3	
	7233730777		SX3	X3-IP.MAXFL	
002711	0323005066		PL	X3.E.BIGMEM	
	5110000736		SA1	.FL	
002712	0100000512		RJ	SETMAP	
002713	0200002705		JP	RTNSTAT	

002714	5140001431	TESTC10	SA4	.REQ	
	20423		LX4	19	GET AUTO RECALL BIT
002715	0334002722		NG	X4+C10	SENSE COMMAND MUST BE DONE
	10611		BX6	X1	SAVE REQUEST
002716	5140000620		SA4	.QUEUEP	GET NEXT QUEUE LOCATION
	5264000621		SA6	.QUEUE+X4	SAVE REQUEST IN QUEUE
002717	7264000001		SX6	X4+1	INCREMENT QUEUE POINTER
	54640		SA6	A4	
002720	7266777737		SX6	X6=N.DIRECT/S.DIRECT	
	0326000612		PL	X6=DMPQUEUE	SENSE QUEUE IS FULL
002721	0200002426		JP	RCL	RETURN IF NOT
002722	0400003676	C10	EQ	GETFET	
002723	7170000001		SX7	1	
	12717		BX7	X1+X7	
	54710		SA7	A1	RESTORE FET(0)
002724	43063		MX0	51	
	15210		BX2	-X0*X1	GET FUNCTION CODE
	43072		MX0	58	
	11202		BX2	X0*X2	
002725	6150000021		SR5	N.CIOFCN	
002726	0750005100	C10SRCH	NG	B5+E.CIOFCN	
	5135002730		SA3	B5+CIOFCN-1	
002727	13332		BX3	X3-X2	
	67551		SR5	B5-B1	
	0313002726		NZ	X3+C10SRCH	
002730	6170002426		SB7	RCL	
	0250002752		JP	B5+C10CALLS	

		BASE	OCTAL	
002731		CIOFCN	BSS	0
002731	00000000000000000010		DATA	10
002732	00000000000000000014		DATA	14
002733	00000000000000000024		DATA	24
002734	00000000000000000034		DATA	34
002735	00000000000000000040		DATA	40
002736	00000000000000000044		DATA	44
002737	00000000000000000050		DATA	50
002740	00000000000000000054		DATA	54
002741	00000000000000000060		DATA	60
002742	00000000000000000064		DATA	64
002743	000000000000000000114		DATA	114
002744	000000000000000000140		DATA	140
002745	000000000000000000144		DATA	144
002746	000000000000000000100		DATA	100
002747	000000000000000000104		DATA	104
002750	000000000000000000120		DATA	120
002751	000000000000000000160		DATA	160
			BASE	DECIMAL
002752		CIOCALLS	BSS	0
002752	0200002775		JP	RFIL.
	000003		DUP	3.1
002756	0200003655		JP	WFIL.
002757	0200003655		JP	BKSP
	000004		JP	BKSP
			DUP	4.1
002764	0200003612		JP	REWIND
	000006		JP	EVICT
			DUP	6.1
			JP	OPE
	0000021	N.CIOFCN	EQU	CIOCALLS-CIOFCN

002773	7160000100	0PE	Sx6	64	PRU SIZE
	20622		Lx6	18	
	12665		Bx6	X6+X5	
002774	54650		SA6	A5	RESTORE LIMIT WITH PRU SIZE
	0200002426		JP	RCL	RETURN
002775	5132001211	* RFIL.	SA3	.DIRECT+B2+D.TYPE	
	20364		Lx3	S8-6	
	43070		MX0	S6	
002776	15730		Bx7	-X0*X3	GET SECURITY
	67543		SB5	B4-B3	
	7160000003		Sx6	SEC.READ	
002777	13337		Bx3	X3-X7	CLEAR OLD CODE
	12663		Bx6	X6+X3	
	5227004013		SA2	X7+SECURITY	
003000	20610		Lx6	2+6	
	20236		Lx2	SEC.READ*10	
	54630		SA6	A3	
	67551		SB5	B5-B1	
003001	43062		MX0	S0	
	15220		Bx2	-X0*X2	
	6262002775		SB6	X2+RFIL.	
003002	0333003100		NG	X3+SYSREAD	SENSE SYSTEM STANDARD
	0260000000		JP	B6	CALL SECURITY HANDLER
003003	12773	E.RSECUR	Bx7	X7+X3	
	20710		Lx7	2+6	
	54730		SA7	A3	
003004	6120003005		SB2	RESECUR	
	0200005216		JP	EXEP	
003005		RESECUR	ASCII	(READING AFTER WRITING OR AT EOI NOT IMPLEMENTED)	
003015	0650003016	READOK	PL	B5+NOWRAP	
	37054		IX0	X5-X4	
	63505		SB5	B5+X0	
003016	5132001213	NOWRAP	SA3	B2+.DIRECT+D.FILADR	
	14733		Bx7	-X3	
	21736		AX7	30	
003017	63675		SB6	X7+B5	
	43036		MX0	30	
	15730		Bx7	-X0*X3	
	77606		Sx6	-B6	
003020	0760003021		NG	B6+NOEOR	
	67556		SB5	B5-B6	
	76600		Sx6	B0	
003021	20636	NOEOR	Lx6	30	
	76050		Sx0	B5	
	12667		Bx6	X6+X7	
	36660		IX6	X6+X0	INCREMENT FILE ADDRESS
003022	5170000751		SA7	.SYSCALL+P.FILADR	
	54630		SA6	A3	
	77703		Sx7	-B3	
003023	36775		IX7	X7+X5	GET SPACE FROM IN TO LIMIT
	37007		IX0	X0-X7	
	0320003033		PL	X0+TWOREADS	

003024	76650		SX6	B5	
	66500		SB5	B0	
	5160000753		SA6	.SYSCALL+P.WORDC	
003025	7173005260		SX7	.RA+B3	
	5170000752		SA7	.SYSCALL+P.CMADR	
003026	63363		SB3	B3+X6	INCREMENT IN
	0306003050		ZR	X6, SSTATUS	SENSE ZERO WORD TRANSFER
			SYSCALL	S.READ+1	
003031	0200005173		JP	E.READ	
003032	0400003050		EQ	SSTATUS	
003033	5170000753	TWOREADS	SA7	.SYSCALL+P.WORDC	
	63500		SB5	X0	
003034	7163005260		SX6	B3+.RA	
	63340		SB3	X4	IN = FIRST
003035	5160000752		SA6	.SYSCALL+P.CMADR	
	0307003041		ZR	X7, PART2	
003036			SYSCALL	S.READ+1	
003040	0200005173		JP	E.READ	
003041	5110000751	PART2	SA1	.SYSCALL+P.FILADR	
	36771		IX7	X7+X1	
	54710		SA7	A1	INCREMENT FILE ADDRESS
003042	76650		SX6	B5	
	7173005260		SX7	B3+.RA	
	66335		SB3	B3+B5	UPDATE IN
003043	66500		SB5	B0	ZERO WORD COUNT
	5160000753		SA6	.SYSCALL+P.WORDC	
003044	5170000752		SA7	.SYSCALL+P.CMADR	
	0306003050		ZR	X6, SSTATUS	SENSE NO TRANSFER
003045			SYSCALL	S.READ+1	
003047	0200005173		JP	E.READ	
003050	5112001213	SSTATUS	SA1	.DIRECT+B2+D.FILADR	
	5120001431		SA2	.REQ	
003051	5222005260		SA2	X2+.RA	
	76610		SX6	B1	
	12662		BX6	X6+X2	
003052	54620		SA6	A2	ADD ONE TO STATUS
	76730		SX7	B3	
	21136		AX1	30	
003053	5072000002		SA7	A2+2	
	0311003077		NZ	X1, CIOR	SENSE NOT AT EOR
003054	76710		SX7	B1	
	5112001213		SA1	.DIRECT+B2+D.FILADR	
	43036		MX0	30	
003055	15610		BX6	-X0*X1	
	5170000753		SA7	.SYSCALL+P.WORDC	
003056	5160000751		SA6	.SYSCALL+P.FILADR	
	7160000762		SX6	.FILEST	
003057	5160000752		SA6	.SYSCALL+P.CMADR	
			SYSCALL	S.READ+1	
003062	0200005173		JP	E.READ	
003063	5112001213		SA1	.DIRECT+B2+D.FILADR	
	5120000762		SA2	.FILEST	
003064	5130001431		SA3	.REQ	

	73620	SX6	X2	
	20636	LX6	30	
003065	36117	IX1	X1+X7	INCREMENT FILE ADDRESS
	12661	BX6	X6+X1	ADD WORD MOUNT
	54610	SA6	A1	
	21244	AX2	36	
003066	0302002775	ZR	X2+RFIL.	SENSE DUMMY
	5233005260	SA3	X3+.RA	
003067	43052	MX0	42	
	15720	BX7	-X0*X2	
	11603	BX6	X0*X3	
	12667	BX6	X6+X7	
003070	54630	SA6	A3	
	20246	LX2	36+2	GET EOI BIT
	0322003077	PL	X2+CIOR	SENSE NOT AT EOI
003071	76710	SX7	B1	
	37717	IX7	X1-X7	DECREMENT FILE ADDRESS
	54710	SA7	A1	
003072	5122001211	SA2	.DIRECT+B2+D.TYPE	
	20264	LX2	60-6-2	
	43070	MX0	56	
003073	7160000006	SX6	SEC.EOI	
	11202	BX2	X0*X2	
	12662	BX6	X6+X2	
003074	20610	LX6	2+5	
	54620	SA6	A2	
	5110001431	SA7	.REQ	
003075	5211005260	SA1	X1+.RA	
	7160001000	SX6	1000B	EOI BIT
003076	12661	BX6	X6+X1	
	54610	SA6	A1	
003077	0270000000	JP	B7	RETURN FROM CIO
		CIOR		
003100	6166774762	SYSREAD	SB6	B6-READOK
	0560003003	NZ	B6+E.RSECUR	
003101	5112001213	SA1	.DIRECT+B2+D.FILADR	
	10211	BX2	X1	
	21236	AX2	30	
003102	6252000013	SB5	X2+11	
	21222	AX2	18	
003103	6160777551	SR6	-S.SSTBF	
	43036	MX0	30	
	76600	SX6	B0	
003104	43365	MX3	53	
	15710	BX7	-X0*X1	
	5170000751	SA7	.SYSCALL+P.FILADR	
003105	7170000226	SX7	S.SSTBF	
	5170000753	SA7	.SYSCALL+P.WORDC	
003106	7170000763	SX7	.SSTBUFF	
	5170000752	SA7	.SYSCALL+P.CMADR	
003107	7170000003	SX7	S.READ	
	5170000747	SA7	.SYSCALL+P.OPER	
003110		XJ	.SYSCALL	

003111	67404		SB4	-B4
	6170000074		SB7	60
	14555		Bx5	-X5
003112	73744	+	Sx7	X4+B4
	0317003113		NZ	X7,*+1
	63450		SB4	X5
003113	67404		SB4	-B4
	67441		SB4	B4-B1
	5110000763		SA1	.SSTBUFF
003114	67505		SB5	-B5
	0351003167		OR	X1,SSTE01
003115	0371003162	CHKNEW	IN	X1,SKIPFWD
	0351003164		OR	X1,SSTEOR
003116	0352003153	CHKB7	OR	X2,UNSQUEZ
	0470003133		ZR	B7,STOBUFF
003117	0650003155	RSSTXT	PL	B5,GETBLNK
	23251		Ax2	X1,B5
	15223		Bx2	-X3*X2
003120	5222000225		SA2	TTYCDC+X2
	6155777770		SB5	B5-7
003121	0352003123		OR	X2,CHKB5
	0372003146		ID	X2,ENDLINE
003122	20606		Lx6	6
	12662		Bx6	X6+X2
	6177777771		SB7	B7-6
003123	7175000074	CHKB5	Sx7	B5+60
	0327003116		PL	X7,CHKB7
003124	6166000001		SB6	B6+1
	5116001211		SA1	.SSTBUFF+S.SSTBF+B6
003125	6150777764		SB5	-11
	0560003115		NZ	B6,CHKNEW
003126	5110000751		SA1	.SYSCALL+P.FILADR
	7170000226		Sx7	S.SSTBF
003127	36771		IX7	X7+X1
	54710		SA7	A1
003130	6160777551	MAKEREAD	SB6	-S.SSTBF
	6150777764		SB5	-11
003131			XJ	.SYSCALL
003132	5110000763		SA1	.SSTBUFF
	0400003115		EQ	CHKNEW
003133	5163005260	STOBUFF	SA6	.RA+B3
	66331		SB3	B3+B1
	76600		Sx6	B0
003134	73753	+	Sx7	X5+B3
	0317003135		NZ	X7,*+1
	63340		SB3	X4
003135	6170000074		SB7	60
	0534003123		NE	B3,B4,CHKB5
003136	7175000074	ENDSSTR	Sx7	B5+60
	7166000226		Sx6	B6+S.SSTBF
003137	5110000751		SA1	.SYSCALL+P.FILADR
	6155000013		SB5	B5+11
003140	0327003141	+	PL	X7,*+1

FILE ACTION ROUTINES

	73661		Sx6	X6+B1	ADVANCE TO NEXT WORD
	66500		SR5	B0	RESTART CHARACTER POINTER
003141	77705		Sx7	-B5	
	43060		MX0	60-12	
	15220		Bx2	-X0*X2	
	43052		MX0	60-18	
003142	15770		Bx7	-X0*X7	
	20222		Lx2	18	
	12772		Bx7	X7+X2	
	20736		Lx7	30	
003143	36776		Ix7	X7+X6	
	36771		Ix7	X7+X1	
	76630		Sx6	B3	
003144	5172001213		SA7	.DIRECT+B2+D.FILADR	
	5110001431		SA1	.REQ	
003145	5261005262		SA6	X1+.RA+2	RESTORE IN
	0200002426		JP	RCL	
003146	7177777763	ENDLINE	Sx7	B7-12	
	0337003151		NG	X7,SPCLEND	
003147	22676		Lx6	X6+B7	
	6150777702		SB5	-61	INSURE NEW WORD
003150	0200003133		JP	STOBUFF	
003151	20606	SPCLEND	Lx6	6	
	7170000055		Sx7	1R	
	12667		Bx6	X6+X7	
003152	6155000007	NOSPBL	SR5	B5+7	
	0200003133		JP	STOBUFF	
003153	23251	UNSQUEZ	AX2	X1,B5	
	6155777770		SR5	B5-7	
	15223		Bx2	-X3*X2	GET BLANK COUNT
003154	67505		SR5	-B5	MAKE B5 PLUS
003155	0302003161	GETBLNK	ZR	X2,ENDBLK	
	7170000055		Sx7	1R	
003156	20606		Lx6	6	
	12667		Bx6	X6+X7	
	6177777771		SR7	B7-6	
003157	7222777776		Sx2	X2-1	
	0570003155		NZ	B7,GETBLNK	
003160	0200003133		JP	STOBUFF	
003161	67505	ENDBLK	SB5	-B5	RESTORE B5
	0200003123		JP	CHKB5	
003162	73710	SKIPFWD	Sx7	X1	MASK OFF INDEFINITE
	5110000751		SA1	.SYSCALL+P.FILADR	
	36771		Ix7	X7+X1	
003163	54710		SA7	A1	
	0200003130		JP	MAKEREAD	
003164	5110001431	SSTEOR	SA1	.REQ	
	5211005260		SA1	X1+.RA	
003165	5130003172		SA3	LOWEOR	
	43652		MX6	42	
	11161		Bx1	X6*X1	.. CLEAR LOW BITS
003166	12613		Bx6	X1+X3	
	54610		SA6	A1	

	0200003136	JP	ENDSSTR
003167	5110001431	SSTE0I	.REQ
	5211005260	SA1	X1+.RA
003170	43652	SA1	42
	11661	MX6	X6*X1
	5130003173	SA3	LOWE0I
003171	12663	BX6	X6+X3
	54610	BX6	A1
	0200003136	SA6	JP
003172	000000000000000000021	JP	ENDSSTR
003173	00000000000000740031	VFD	60/21B
003174		VFD	60/740031B
003203	6120003204	ASCII	(SYSTEXT FILE DOES NOT END WITH CR)
	0200001574	NONMSG	NONMSG
		JP	MAINDR
003204		ASCII	(ATTEMPT TO WRITE ON READ ONLY FILE)
003213	5132001211	SA3	.DIRECT+B2+D.TYPE
	73030	SX0	X3 GET READ ONLY BIT
	20364	LX3	58-6
003214	0330003203	NR	X0.NONO SENSE NO NO
	43070	MX0	56
	15730	BX7	-X0*X3
003215	67534	SB5	B3-B4
	7160000002	SX6	SEC.WRIT
	13337	BX3	X3-X7 CLEAR OLD CODE
003216	5122001214	SA2	.DIRECT+B2+D.MAX
	0302003354	ZR	X2-ILLWRIT
003217	12663	BX6	X6+X3
	5227004013	SA2	X7+SECURITY
	20610	LX6	2+6
003220	20224	LX2	SEC.WRIT*10
	54630	SA6	A3
	43062	MX0	S0
	15220	BX2	-X0*X2
003221	63620	SB6	X2
	0260003213	JP	B6+WFIL. CALL SECURITY CODE ROUTINE
003222	12773	BX7	X7+X3 REPLACE OLD CODE
	20710	LX7	2+6
	54730	SA7	A3
003223	6120003224	SB2	WSECUR
	0200005216	JP	EXEP
003224		ASCII	(WRITE REQUEST ILLEGAL WITH CURRENT SECURITY CODE)
003235	0333003526	NR	X3;SYSREWR
	5122001213	SA2	.DIRECT+B2+D.FILADR
003236	43036	MX0	30
	76110	SX1	B1
	15620	BX6	-X0*X2 MAK FILE ADDRESS
	37761	IX7	X6-X1
003237	0327003240	PL	X7,NOTNULL SENSE FILE IS NOT NULL
	76700	SX7	B0
	76610	SX6	B1
003240		BSS	0
003240	20136	LX1	30
	12661	BX6	X6+X1

003241	0317003266	54620	SA6	A2	UPDATE FILADR
003242	76610	5170000751	NZ	X7,WRITEOK	SENSE OUT IN MIDDLE OF FILE
	7170003540		SA7	.SYSCALL+P.FILADR	
003243	5160000753	5170000752	SX6	B1	
003244	0200005202		SX7	ZERO	
003246	0200003266		SA6	.SYSCALL+P.WORDC	
003247	0333003405		SA7	.SYSCALL+P.CMADR	
003250	5122001213		SYSCALL	S.WRITE,1	
003251	10722		JP	E.WRITE	
	76610		JP	WRITEOK	
003252	5160000753		NG	X3,SYSWRITE	
	7170000762		SA2	.DIRECT+B2+D.FILADR	
003253	5170000752		BX7	X2	
003256	0200005173		SX6	B1	
003257	5110000762		SA7	.SYSCALL+P.FILADR	
	21122		SA6	.SYSCALL+P.WORDC	
	73610		SX7	.FILEST	
003260	20622		SA7	.SYSCALL+P.CMADR	
	54610		SYSCALL	S.READ,1	
003263	0200005202		JP	E.READ	
003264	5122001213		SA1	.FILEST	
	76610		AX1	10	
	36762		SX6	X1	
003265	20636		LX6	10	
	12776		SA6	A1	
	54720		SYSCALL	S.WRITE,1	
003266	0333003405		JP	E.WRITE	
003267	37054		SA2	.DIRECT+B2+D.FILADR	
	63505		SX6	B1	
003270	5132001213		IX7	X6+X2	
	76750		LX6	30	
	76050		BX7	X7+X6	
003271	20036		SA7	A2	
	36773		NG	X3,SYSWRITE	
	36770		PL	B5,NOWRAPW	
003272	54730		IX0	X5-X4	SIZE OF BUFFER
	15630		SR5	B5+X0	
	5160000751		SA3	B2+.DIRECT+D.FILADR	
003273	21757		SX7	B5	
	76640		SX6	B5	
003274	37756		LX0	30	
	63670		IX7	X7+X3	
	7266005260		IX7	X7+X0	
			MX0	30	
			SA7	A3	
			BX6	-X0*X3	GET FILE ADDRESS
			SA6	.SYSCALL+P.FILADR	
			AX7	47	
			SX6	B4	GET OUT
			NZ	X7,FORCECW	SENSE OVER 128K-
			IX7	X5-X6	
			SR6	X7	
			SX6	X6+.RA	

003275	0656003304		GE	B5,B6,TWOWRITE
		5160000752	SA6	.SYSCALL+P.CMADR
003276	76750		SX7	B5
		6150000000	SR5	0
		63474	SB4	B4*X7
003277	5170000753		SA7	.SYSCALL+P.WORDC
		0307003321	ZR	X7,SSTATUSW SENSE NO TRANSFER
003300			SYSCALL	S.WRITE,1
003302	0100000455		RJ	GETBLK
003303	0200003321		JP	SSTATUSW
003304	5170000753		SA7	.SYSCALL+P.WORDC
		5160000752	SA6	.SYSCALL+P.CMADR
003305	6244000000		SR4	X4+0 OUT = FIRST
		67556	SR5	B5-B6
003306	0307003312		ZR	X7,WRITE2 SENSE NO WORD TRANSFER
			SYSCALL	S.WRITE,1
003311	0100000455		RJ	GETBLK
003312	5110000751		SA1	.SYSCALL+P.FILADR
		7264005260	SX6	X4+.RA
003313	5160000752		SA6	.SYSCALL+P.CMADR
		36771	IX7	X7*X1
		54710	SA7	A1
003314	76650		SX6	B5
		5160000753	SA6	.SYSCALL+P.WORDC
		66445	SB4	B4+B5 INCREMENT OUT
003315	0306003321		ZR	X6,SSTATUSW SENSE ZERO WORD TRANSFER
			SYSCALL	S.WRITE,1
003320	0100000455		RJ	GETBLK
003321	5120001431		SA2	.REQ
		7222005260	SX2	X2+.RA
003322	43052		MX0	42
		53120	SA1	X2
		76640	SX6	B4
		11710	BX7	X1*X0
003323	5262000003		SA6	X2+3 RESTORE OUT
		7100000004	SX0	4
003324	13271		BX2	X7-X1 CLEAR NAME LEAVEING STATUS BITS
		13320	BX3	X2-X0 CLEAR WRITE
		20267	LX2	55
003325	0322003077		PL	X2+CIOR
		43002	MX0	2
		11502	BX5	X0*X2 PREPARE UPPER TOW BITS
003326	5142001213		SA4	B2+.DIRECT+D.FILADR
		10144	BX1	X4
		21136	AX1	30
003327	37641		IX6	X4-X1 SUBTRACT FILE ADDRESS
		43036	MX0	30
		15660	BX6	-X0*X6
		15740	BX7	-X0*X4
003330	5160000751		SA6	.SYSCALL+P.FILADR
		7160000001	SX6	1
003331	5160000753		SA6	.SYSCALL+P.WORDC
		7160000762	SX6	.FILEST

003332	5160000752		SA6	.SYSCALL+P.CMADR
003335	0200005173		SYSCALL	S.READ,1
003336	5110000762		JP	E.READ
	43052		SA1	.FILEST
	11101		MX0	42
003337	20344		BX1	X0*X1 ZERO BOTTOM BITS
	21436		LX3	36
	724477776		AX4	30
003340	12614		SX4	X4-1
	54610		BX6	X1+X4
			SA6	A1
003343	0200005202		SYSCALL	S.WRITE,1
003344	5170000751		JP	E.WRITE
	20422		SA7	.SYSCALL+P.FILADR
	12643		LX4	18
003345	12665		BX6	X4+X3
	5160000762		BX6	X6+X5
	76110		SA6	.FILEST
003346	36771		SX1	B1
	20136		IX7	X7+X1
	12771		LX1	30
003347	5172001213		BX7	X7+X1
			SA7	.DIRECT+B2+D.FILADR
003352	0100000455		SYSCALL	S.WRITE,1
003353	0200003077		RJ	GETBLK
003354	6120003355		JP	CIOR RETURN
	0200001574	ILLWRT	SR2	ILLWMSG
003355			JP	MAINDR
003362	5110000751	ILLWMSG	ASCII	(EMPTY FILE WRITE)
	21336	FORCECW	SA1	.SYSCALL+P.FILADR
	37613		AX3	30
003363	7170000762		IX6	X1-X3 GET HEADER ADDRESS
	76610		SX7	.FILEST
003364	5170000752		SX6	B1
	5160000753		SA7	.SYSCALL+P.CMADR
003365			SA6	.SYSCALL+P.WORDC
003367	0200005173		SYSCALL	S.READ,1
003370	7233777776		JP	E.READ
	5110000762		SX3	X3-1
003371	12613		SA1	.FILEST
	54610		BX6	X1+X3
			SA6	A1
003374	0200005202		SYSCALL	S.WRITE,1
003375	5112001213		JP	E.WRITE
	76750		SA1	B2+.DIRECT+D.FILADR
	37717		SX7	B5
003376	43036		IX7	X1-X7
	15670		MX0	30
	76210		BX6	-X0*X7
	36762		SX2	B1
003377	54710		IX7	X6+X2
	5160000751		SA7	A1
			SA6	.SYSCALL+P.FILADR

	20322	LX3	18	
003400	10633	Bx6	X3	
	5170000762	SA7	.FILEST	
003403	0100000455	SYSCALL	S.WRITE,1	
003404	0200003213	RJ	GETBLK	
003405	5112001213	JP	WFIL.	
	43036	SA1	.DIRECT+B2+D.FILADR	
	15610	MX0	30	
003406	21136	Bx6	-X0*X1	
	63510	AX1	30	
	21122	SB5	X1	
	76710	AX1	18	
003407	7211777776	Sx7	B1	
	67505	Sx1	X1-1	
003410	6155000070	SB5	-B5	
	5160000751	SB5	B5+56	
003411	5170000753	SA6	.SYSCALL+P.FILADR	
	7160000763	SA7	.SYSCALL+P.WORDC	
003412	5160000752	Sx6	.SSTBUFF	
	0200005173	SA6	.SYSCALL+P.CMAADR	
003415	5120000763	SYSCALL	S.READ+1	
	43066	JP	E.READ	
	10622	SA2	.SSTBUFF	
003417	6160777551	MX0	64	
	14555	Bx6	X2	
	66700	SB6	-S.SSTBF	
003420	7170000004	Bx5	-X5	
	5170000747	SB7	B0	
003421	0346003422	Sx7	S.WRITE	
	7160000011	SA7	.SYSCALL+P.OPER	
003422	0570003426	IR	X6.GETBF	
	0434003464	Sx6	9	
003423	5124005260	NZ	B7.GETCHAR	
	66441	EQ	B3,B4,BFEMPT	
	20206	SA2	.RA+B4	GET NEXT WORD FROM BUFFER
003424	6170000074	SB4	B4+B1	INCREMENT OUT
003425	73754	LX2	6	
	0317003426	SB7	60	
	63440	Sx7	X5+B4	CHECK IF OUT = LIMIT
003426	15720	NZ	X7.*+1	
	11202	SB4	X4	OUT = FIRST
	20206	Bx7	-X0*X2	GET NEXT CHARACTER
003427	6177777771	Bx2	X0*X2	ZERO CHARACTER
	5237000125	LX2	6	
003430	0373003452	SB7	B7-6	
	0303003445	SA3	CDCTTY,X7	SENSE CHARACTER WAS ZERO
003431	0321003450	ID	X3,ZEROCH	SENSE THIS CHARACTER IS A BLANK
		ZR	X3,NEWBLNK	SINCE THIS IS NOT BLANK, SEE IF IN BLNK
		PL	X1,FINBLNK	STRING THAT IS NOW TERMINATED
003432	20607	ADDCHAR	LX6	7
	12663		Bx6	X6+X3
	6155777770		SB5	B5-7

003433	0550003422		NZ	B5,GETBF	SENSE WORD IS NOT FILLED
	5166001211		SA6	.SSTBUFF+B6+S.SSTBF	
003434	66661		SB6	B6+B1	
	76600		SX6	B0	
	6150000070		SB5	S6	
003435	0560003422	TSTB6	NZ	B6,GETBF	SENSE BUFFER IS NOT FILLED
	7170000226		SX7	S.SSTBF	
003436	5170000753		SA7	.SYSCALL+P.WORDC	
			XJ	.SYSCALL+1	WRITE OUT BUFFER
003440	0100000455		RJ	NEWBLK	F RETURN
003441	6160777551		SB6	-S.SSTBF	
	5130000751		SA3	.SYSCALL+P.FILADR	
003442	10733		BX7	X3	
	5130000753		SA3	.SYSCALL+P.WORDC	
	36737		IX7	X3+X7	
003443	5170000751		SA7	.SYSCALL+P.FILADR	
	7170000763		SX7	.SSTBUFF	
003444	5170000752		SA7	.SYSCALL+P.CMADR	
	0200003422		JP	GETBF	
003445	73111	NEWBLNK	SX1	X1+B1	
	7231777600		SX3	X1-MAXBLNK	
003446	0303003450		ZR	X3+FINBLNK	
	0311003422		NZ	X1,GETBF	
003447	7130000173		SX3	SQUCHAR	GET SQUEEZE CHARACTER
	0200003432		JP	ADDCHAR	
003450	73311	FINBLNK	SX3	X1+B1	
	77101		SX1	-B1	
	6177000006		SB7	B7+6	BACK UP CHARACTER POINTERS TO REPROCESS
003451	20266		LX2	S4	LAST CHARACTER
	12227		BX2	X2+X7	RESTORE LAST CHARACTER
	0200003432		JP	ADDCHAR	
003452	0470003445	ZEROCH	ZR	B7+NEWBLNK	TREAT LOW ZERO AS BLANK
	0312003445		NZ	X2+NEWBLNK	TREAT IMBEDDED ZERO AS A BLANK
003453	0321003462		PL	X1,ZAPBLANK	CHECK IF BLANKS IN PROGRESS
	20607		LX6	7	
003454	7130000155		SX3	1558	ADD CHAIRAGE RETURN
	12663		BX6	X6+X3	
	22656		LX6	X6+B5	
003455	20665		LX6	S3	
	5166001211		SA6	.SSTBUFF+B6+S.SSTBF	
003456	5130001461		SA3	.SPACE	
	7263777776		SX6	X3-1	
003457	54630		SA6	A3	
003460	7160000011	NEWLINE	SX6	9	NEW LINE BANNER
	66661		SB6	B6+B1	INCREMENT WORD POINTER
	66700		SB7	B0	GET NEW WORD
003461	6150000070		SB5	S6	
	0200003435		JP	TSTB6	
003462	77101	ZAPBLANK	SX1	-B1	
	6170000014		SB7	12	INSURE END LINE WILL BE RECOGNIZED
	76300		SX3	B0	ZERO BLANK COUNT
003463	0200003432		JP	ADDCHAR	
003464	5166001211	BFEMPT	SA6	.SSTBUFF+B6+S.SSTBF	

003465	77405	7176000227	SX7	B6+S.SSTBF+1
	5170000753		SX4	-B5
			SA7	.SYSCALL+P.WORDC
			XJ	.SYSCALL+1
003467	0100000455		RJ	NEWBLK
003470	5120000751		SA2	.SYSCALL+P.FILADR
		5130000753	SA3	.SYSCALL+P.WORDC
003471	7233777776		SX3	X3-1
		73111	SX1	X1+B1
003472	7244000070		SX4	X4+56
		20122	LX1	18
		12114	BX1	X1+X4
003473	36632		IX6	X3+X2
	20136		LX1	30
		12661	BX6	X6+X1
		76740	SX7	B4
003474	5162001213		SA6	.DIRECT+B2+D.FILADR
		5110001431	SA1	.REQ
003475	5271005263		SA7	X1+.RA+3 RESTORE OUT
		5211005260	SA1	X1+.RA GET FET
003476	76610		SX6	B1
	12661		BX6	X6+X1 SET COMPLETE
		54610	SA6	A1
		20167	LX1	B5 GET EOR BIT
003477	0321003520		PL	X1.TSTLL
		5112001213	SA1	.DIRECT+B2+D.FILADR
003500	43736		MX7	30
	15717		BX7	-X7*X1
		21136	AX1	30
		63510	SB5	X1
003501	21122		AX1	18
		0311005215	NZ	X1.BADFMT
003502	5170000751		SA7	.SYSCALL+P.FILADR
		7160000001	SX6	1
003503	7170000763		SX7	.SSTBUFF
		5160000753	SA6	.SYSCALL+P.WORDC
003504	5170000752		SA7	.SYSCALL+P.CHADR
		0550005215	NZ	B5.BADFMT SENSE NOT AT BEGINNING FO WORD
003505			SYSCALL	S.READ
003507	5110000763		SA1	.SSTBUFF
		7211777766	SX1	X1-9
003510	0311005215		NZ	X1.BADFMT
		7160000004	SX6	4
003511	20671		LX6	57
	54610		SA6	A1
			SYSCALL	S.WRITE+1
003514	0200004007		JP	SYSERR
003515	5112001211		SA1	B2+.DIRECT+D.TYPE
		20164	LX1	B8-6
		43070	MX0	56
003516	11601		BX6	X0*X1
		7170000006	SX7	SEC.EOI
		12667	BX6	X6+X7

003517	20610		LX6	2+6
	54610		SA6	A1
003520	5110001461	TSTLL	SA1	.SPACE
	0321002426		PL	X1,RCL
003521	6120003522	+	SR2	*+1
	0200001574		JP	MAINDR
003522			ASCII	(LINE LIMIT)
003526	7160000001	SYSREWWR	SX6	1
	5162001213		SA6	.DIRECT+B2+D.FILADR
003527	7160000000		SX6	0
	5160000751		SA6	.SYSCALL+P.FILADR
003530	7170000002		SX7	2
	7160003536		SX6	SSTHDR
003531	5170000753		SA7	.SYSCALL+P.WORDC
	5160000752		SA6	.SYSCALL+P.CMADR
003532			SYSCALL	S.WRITE,1
003534	0100000455		RJ	GETBLK
003535	0200003405		JP	SYSWRITE
003536	60000000000000000001	SSTHDR	VFD	3/6,57/1 BLOCK HEADER
003537	40000000000000000000		VFD	3/4,57/0
003540	00000000000000000000	ZERO	DATA	0
		*		
003541	5132001211	REWIND	SA3	.DIRECT+B2+D.TYPE
	43070		MX0	56
	20364		LX3	58-6
003542	15430		BX4	-X0*X3 GET SECURITY
	5214004013		SA1	SECURITY+X4
	20150		LX1	SEC.REW*10
003543	43062		MX0	50
	15110		BX1	-X0*X1
	7170000004		SX7	SEC.REW
003544	13334		BX3	X3-X4
	12637		BX6	X3+X7
	20610		LX6	2+6
	54630		SA6	A3
003545	63510		SB5	X1
	0250003541		JP	B5+REWIND
003546	12734	E.REWSEC	BX7	X3+X4 REPLACE OLD SECURITY
	20710		LX7	2+6
	5073000000		SA7	A3+0
003547	6120003550		SB2	REWSEC
	0200005216		JP	EXEP
003550		REWSEC	ASCII	(REWIND REQUEST ILLEGAL WITH CURRENT SECURITY CODE)
003561	0333003607	READRW	NG	X3,SSTRDRW
003562	76600	READRW2	SX6	B0
	76710		SX7	B1
	5160000751		SA6	.SYSCALL+P.FILADR
003563	5170000753		SA7	.SYSCALL+P.WORDC
	7160000762		SX6	.FILEST
003564	5160000752		SA6	.SYSCALL+P.CMADR
			SYSCALL	S.READ,1
003567	0200005173		JP	E.READ
003570	5110000762		SA1	.FILEST

	76610		SX6	B1	
	73710		SX7	X1	
003571	20102		LX1	2	
	0321003572	+	PL	X1,*+1	SENSE NOT AT EOI
	76600		SX6	B0	ALLOW ONE READ OF FILE
003572	20736		LX7	30	
	12667		BX6	X6+X7	
	5162001213		SA6	.DIRECT+B2+D.FILADR	
003573	0200003077		JP	CIOR	RETURN
003574	0333005215	WRITERW	NG	X3,BADFMT	
	5112001213		SA1	.DIRECT+B2+D.FILADR	
003575	43036		MX0	30	
	10211		BX2	X1	
	21236		AX2	30	
	63520		SR5	X2	
003576	0551005106		NE	B5,B1,E.ILLREW	
	15610		BX6	-X0*X1	
003577	5160000751		SA6	.SYSCALL+P.FILADR	
	7170000001		SX7	1	
003600	7160000762		SX6	.FILEST	
	5170000753		SA7	.SYSCALL+P.WORDC	
003601	5160000752		SA6	.SYSCALL+P.CMADR	
	5120003674		SA2	EOICODE	
003602	10622		BX6	X2	
	5160000762		SA6	.FILEST	
			SYSCALL	S.WRITE.1	
003605	0100000455		RJ	GETBLK	
003606	0200003561		JP	READRW	
003607	76700	SSTRDRW	SX7	B0	SET FILE ADDRESS TO 0
	5172001213		SA7	.DIRECT+B2+D.FILADR	
003610	0200003077		JP	CIOR	
003611	0323003562	EOIRW	PL	X3,READRW2	SENSE NOT SYSTEM STANDARD TEXT
	0200003607		JP	SSTRDRW	
003612	6112001211	* EVICT	SB1	.DIRECT+B2	
	6160000002		SR9	2	
003613	76720		SX7	B2	
	21702		AX7	2	
	6277000045		SR7	X7+N.CAPAB	
003614			XJ	CALLBEAD	
003615	5110000515		SA1	.EMPTY	
	73610		SX6	X1	
	56610		SA6	B1	
003616	7161776566		SX6	B1-.DIRECT	
	54610		SA6	A1	
003617	0200002426		JP	RCL	
003620	5132001211	SKIP	SA3	.DIRECT+B2+D.TYPE	
	20364		LX3	58-6	
	43070		MX0	56	
003621	15430		BX4	-X0*X3	GET SECURITY
	5214004013		SA1	SECURITY+X4	
	20162		LX1	SEC.SKIP*10	
003622	43062		MX0	50	

	15110		Bx1	-X0*X1
	7160000004		Sx6	SEC.REW
003623	13334		Bx3	X3-X4
	12663		Bx6	X6+X3
	20610		Lx6	8
	54630		SA6	A3
003624	63610		SR6	X1
	0260003620		JP	B6+SKIP
003625	5112001213	SKIPR	SA1	B2+.DIRECT+D.FILADR
	43036		MX0	30
	10211		Bx2	X1
003626	15110		Bx1	-X0*X1
	21236		Ax2	30
	36612		Ix6	X1+X2
	67775		SR7	B7-B5
003627	54610		SA6	A1
	0200003636		JP	MOVEFIL
003630	5112001213	SKIPW	SA1	B2+.DIRECT+D.FILADR
	43036		MX0	30
	10211		Bx2	X1
003631	15110		Bx1	-X0*X1
	21236		Ax2	30
	723277776		Sx3	X2-1
003632	0313003666		N7	X3,E.OPENLR SENSE OPEN LOGICAL RECORD
	0650003666		PL	B5,E.WSKIP
003633	37612		Ix6	X1-X2
	54610		SA6	A1
	0200003636		JP	MOVEFIL
003634	5112001213	SKIPEOI	SA1	B2+.DIRECT+D.FILADR
	0650003666		PL	B5,E.WSKIP
003635	77601		Sx6	-B1
	37616		Ix6	X1-X6
	54610		SA6	A1
003636	5142001213	MOVEFIL	SA4	B2+.DIRECT+D.FILADR
	10744		Bx7	X4
003637	5170000751		SA7	.SYSCALL+P.FILAOR
	76610		Sx6	B1
003640	5160000753		SA6	.SYSCALL+P.WORDC
	7160000762		Sx6	.FILEST
003641	5160000752		SA6	.SYSCALL+P.CMAOR
			SYSCALL	S.READ
003644	5110000762		SA1	.FILEST
	0607003653		GE	B0,B7,SKPDNE
003645	0307003653		ZR	X7,SKPDNE
	0750003651		NG	B5,BACK
003646	73111		Sx1	X1+B1
	36614		Ix6	X1+X4
	20124		Lx1	18+2
003647	0331003653		NG	X1,SKPDNE SENSE EOI
	54640		SA6	A4
	67771		SR7	B7-B1
003650	0200003636		JP	MOVEFIL
003651	21122	BACK	Ax1	18

	73111		Sx1	X1+B1	
	37641		Ix6	X4-X1	BACK UP FILE ADDRESS
	54640		SA6	A4	
003652	67771		SB7	B7-B1	
	0200003636		JP	MOVEFIL	
003653	73610	SKPDNE	Sx6	X1	GET LENGTH OF THIS LOGICAL RECORD
	20636		Lx6	30	
	76310		Sx3	B1	
	36443		Ix4	X4+X3	
003654	12664		Bx6	X6+X4	
	54640		SA6	A4	
	0200002426		JP	RCL	
003655	66710	BKSP	SB7	B1	
	67501		SB5	-B1	
	0200003620		JP	SKIP	
003656	6120003657	E.SKPERR	SB2	**1	
	0200001574		JP	MAINDR	
003657			ASCII	(SKIP ILLEGAL WITH CURRENT SECURITY CODE)	
003666		E.OPENLR	BSS	0	
003666	6120003667	E.WSKIP	SB2	**1	
	0200001574		JP	MAINDR	
003667			ASCII	(SKIP GIVEN AFTER WRITE)	
003674	60741033000000000000	EOICODE	VFD	60/60741033BS36	
003675	70741033000000000000		VFD	60/70741033BS36	

```
*      GET FET RETURNS THE FOLLOWING QUANTITIES
*      B2      DIRECTORY INDEX
*      B3      IN
*      B4      OUT
*      X4      FIRST
*      X5      LIMIT
*      X1      FET(0)
*      .SYSCALLPP.FILE      CAPABILITY INDEX FOR FILE
003676 5120001431      GETFET SA2      .REQ
                                SR7      IP.MAXFL
003677 6110000001      6170047000      SR1      1
                                SR6      X2
                                MX0      42
003700 0760005061      0667005061      NG      B6,E,AOR
                                GE      B6,B7,E,AOR
003701 5212005260      54411      SA1      X2+.RA      GET FET(0)
                                SA4      A1+B1
                                SA2      A4+B1      GET IN
003702 54321      54241      SA3      A2+B1      GET OUT
                                SA5      A3+B1      GET LIMIT
                                SR3      X2
                                SR4      X3
                                SR5      X4      FIRST
                                SR6      X5      LIMIT
                                SX4      X4      MASK FIRST
                                SX5      X5      MASKS LIMIT
003703 63540      63650      73440      73550      NG      B5,E,BPE
                                NG      B6,E,BPE
003704 0750005156      0760005156      GT      B6,B7,E,BPE
                                GE      B5,B6,E,BPE
003705 0776005156      0656005156      LT      B3,B5,E,BPE
                                LT      B4,B5,E,BPE
003706 0735005156      0745005156      GE      B3,B6,E,BPE
                                GE      B4,B6,E,BPE
003707 0636005156      0646005156      SB2      B0
                                BX6      X0*X1
003710 66200      11601      LOOKUP SA3      .DIRECT+B2
                                BX3      X0*X3
003711 5132001211      11303      13336      BX5      X3-X6
                                ZR      X3,FETFND
003712 0303003741      6122000004      SB2      B2+S,DIRECT
                                SX3      B2-N,DIRECT
003713 7132777577      0333003711      NG      X3,LOOKUP
                                SA3      .EMPTY      GET NEXT EMPTY ENTRY
003714 5130000515      5223001211      SA2      X3+.DIRECT
                                SX7      X2
                                SA7      A3
                                SB1      X3+.DIRECT
003715 73720      54730      6213001211      AX3      2      /4
                                SR7      X3+N,CAPAB
                                SR6      B0
                                SX2      B0
003716 21302      6273000045      66600      BX1      X6
003717 76200      10166
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003721 56110
43066 15010
003722 7200777727 0320003676
003723 43070 20010
11101
003724 7170002000 12771 54710
20164 0331003750 76670
003726 5160000750 5160000723
003727 5160001441 76700
003730 5170001442 5170000724
003731
003732 6170003676 6121776566
003733 6110000001 0306003562
003734
003735 5122001214 10622 21636
12626 54620 7170000001
003737 10677 20736 12667
003740 5062777776 0200003574
003741 54330 43066 15030
003742 7200777727 0300003752
003743 7200777776 0300003771
003744 5021000001 43673 20216
15226 11363 12623 54630
003746 76620

FETEND

XJ CALLBEAD
SA1 B1
MX0 54
BX0 -X0*X1
SX0 X0-40
PL X0,GETFET
MX0 56
LX0 8
BX1 X0*X1 CLEAR OLD CODE
SX7 SEC.REW*4*64
BX7 X7*X1
SA7 A1
LX1 52
NG X1,GETFETS SENSE SYSTEXT FILE
SX6 B7
SA6 .SYSCALL+P.CAP
SA6 .CREBLKC
SA6 .PROBE+1
SX7 B0
SA7 .PROBEA
SA7 .CREBLKA
XJ .PROBE
SA7 GETFET
SR2 B1-.DIRECT
SBI 1
ZR X6,READRW2 SENSE BLOCK EXISTS
XJ .CREBLK
SA2 B2+3+.DIRECT
BX6 X2
AX6 30
BX6 X2+X6
SA6 A2
SA7 1
BX6 X7
LX7 30
BX6 X6+X7
SA6 A2-1
JP WRITERW
SA3 A3 REGET DIRECTORY ENTRY
MX0 54
BX0 -X0*X3
SX0 X0-40
ZR X0.EVCHWORK
SX0 X0-1
ZR X0.PROCESS
SA2 A1+1 GET FIRST
MX6 59
LX2 14 GET RELEASE BIT
BX2 -X6*X2
BX3 X6*X3
BX6 X2+X3
SA6 A3
SX6 B2

	21602		AX6	2	/4
		7266000045	SX6	X6+N,CAPAB	
003747	5160000750		SA6	.SYSCALL+P.CAP	
		0200002723	JP	CIO+1	
003750	76700		SX7	B0	
		5171000002	SA7	B1+D.FILADR ZERO FILE ADDRESS	
003751	0200003676		JP	GETFET	

003752	7160000001	EVCHWORK	SX6	1	
	12661		BX6	X6+X1	
	54610		SA6	A1	
003753	5120001431		SA2	.REQ	
	20223		LX2	19	.. CHECK IF RECALL
003754	0322002426		PL	X2+RCL	
	20171		LX1	60-3	
003755	0331003765		NG	X1+SENDEVCH	.. SENSE WRITE
			SYSCALL	S.HANG	
003760	7160000000		SX6	0	
	5163005260		SA6	B3+.RA	
003761	6133000001		SB3	B3+1	
	63550		SB5	X5	
003762	0735003763	+	LT	B3,B5,*+1	
	7234000000		SX3	X4+0	
003763	76630		SX6	B3	
	5061000002		SA6	A1+2	.. RESTORE IN
003764	0200002426		JP	RCL	
003765		SENDEVCH	SYSCALL	S.SENDE	
003767	76630	KILLBUFF	SX6	B3	
	5061000003		SA6	A1+3	.. RESTORE OUT
003770	0200002426		JP	RCL	
003771	7160000007	PROCESS	SX6	S.BEADCC	
	5160000751		SA6	.SYSCALL+2	
003772			SYSCALL	S.PINT	
003774	0200003767		JP	KILLBUFF	

003775	5112001214	GETBLKGO	SA1	.DIRECT+D.MAX+B2	
	43636		MX6	30	
	15616		Bx6	-X6*X1	
003776	5160000724		SA6	.CREBLKA	
	10611		Bx6	X1	
	21136		AX1	30	
003777	36661		IX6	X6+X1	
	54610		SA6	A1	
	76211		Sx2	B1+B1	
004000	5110000750		SA1	.SYSCALL+P.CAP	
	10611		Bx6	X1	
	20236		LX2	30	
004001	5160000723		SA6	.CREBLKC	
	5110000455		SA1	GETBLK	
004002	37612		IX6	X1-X2	
	54610		SA6	A1	
			XJ	.CREBLK,1	
004004	0200004007		JP	SYSERR	
			XJ	GETBLKR	RESTORE REGISTERS
004006	0200000455		JP	GETBLK	
004007	6120004010	SYSERR	SR2	HELPMMSG	
	0200001574		JP	MAINDR	
004010		HELPMMSG	ASCII	FRETURN	

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004013 00000000000000000000 SECURITY DATA 0 NO SECURITY CODE 0
        SECURITY MACRO WR, RD, REW, SKP
        VFD 10/0, 10/WR-WFIL., 10/RD-RFIL., 10/REW-REWIND, 10/SKP-SK
        , IP, 10/0
        ENDM
004014 SECURITY E.WSECUR, E.RSECUR, E.REWSEC, E.SKPER
004015 SECURITY WRITEOK, E.RSECUR, WRITERW, SKIPW
004016 SECURITY E.WSECUR, READOK, READRW, SKIPR
004017 SECURITY REWRITE, READOK, READRW, SKIPR
004020 00000000000000000000 DATA 0 NEVER COME IN WITH EOI FUNCTION
004021 SECURITY EOIRWRITE, RESECUR, EOIRW, SKIPEOI

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L O A D

004022 5110000522

7160000001

004023 54610

0301004037

004025 5110000527

7120000052

004026 12612

5167003252

004027 7160000001

7170031117

004030 20702

12776

7066772517

004031 20750

12767

5170001431

004032 7167775776

5066000001

004033 5066000001

5066000001

004034 7266001001

5066000001

004035

004036 0200004130

004037 6160005260

5110000736

004040 63710

5110000527

004041 7120000052

12612

66467

004042 6154775555

5110004075

004043 10711

5175777776

76700

004044 56750

6155777775

004045 6144775771

56640

004046 7167775776

5164000001

004047 5066000001

5066000001

004050 7266001001

5066000001

004051 7160031117

20602

004052 7170000001

12667

20650

004053 7177775771

PRELOAD

LOAD

SA1

SX6

SA6

ZR

XJ

SA1

SX2

BX6

SA6

SX6

SX7

LX7

BX7

SX6

LX7

BX7

SA7

SX6

SA6

SA6

SA6

SX6

SA6

SCOPE

JP

SR:RA

SA1

SB:FL

SA1

SX2

BX6

SB4

SB5

SA1

BX7

SA7

SX7

SA7

SB5

SB4

SA6

SX6

SA6

SA6

SX6

SA6

SX6

LX6

SX7

BX6

LX6

SX7

.LOADER

1

A1

X1:LOAD

.RSTLOAD

.PAR+1

52B

X1+X2

B.FL-IOFET+.RA

1

3RCIO

2

X7+X6

A6+.RA

40

X6+X7

.REQ

B.FL-IOBUFF

A6+1

A6+1

A6+1

X6+IOBFLEN

A6+1

MAINLOOP

.RA

.FL

X1

.PAR+1

52B

X1+X2

B6+B7

B4-ENTRYTAB+1

BCN

X1

B.TOES-1

B0

B5

B5-2

B4-IOFET

B.ESTAB

B7-IOBUFF

B.ESTAB+FET.FRST

A6+1

A6+1

X6+IOBFLEN

A6+1

3RCIO

2

1

X6+X7

40

B7-IOFET

GET FILE NAME

004054	5160001431	12667	Bx6	X6+X7
			SA6	.REQ
004055	6144777571		SCOPE	
		5110005014	SR4	B4+IOFET-EXTFET
004056	7120000003		SA1	TEMP
		12612	SX2	3
		56640	Bx6	X1+X2
004057	7167775570		SA6	B4
		5164000001	SX6	B.FL-EXTBUFF
004060	5066000001		SA6	B.ESTAB+FET.FRST
		5066000001	SA6	A6+1
004061	7266000201		SA6	A6+1
		5066000001	SX6	X6+EXTBFLEN
004062	7160000000		SA6	A6+1
		5164777774	SX6	0
004063	7160000100		SA6	B.ESTAB+EXTFET-ENTRYADR
		5164777776	SX6	64
004064	5164777773		SA6	B.ESTAB+EXTFET-CURRADR
		7167775554	SA6	B.ESTAB+EXTFET-FWALOAD
004065	5110000517		SX6	B.FL-ENTRYTAB
		37661	SA1	.COMLEN
004066	5164777775		IX6	X6-X1
		0400004130	SA6	B.ESTAB+EXTFET-COMBKADR
004067	5110000514		EQ	MAINLOOP
		0311004103	SA1	.LIBLOAD
004070			NZ	X1+LOADLIB
004071	6120004072		XJ	.SAVLOAD
		0200001574	SB2	LODMSG
004072			JP	MAINDR
004075	47021416135503000000		ASCII	LOADED
004076	5110000522		BCN	DATA
		0301001640	ENTER	7L*BLNK C
004077	7160000001		SA1	.LOADER
		5160000514	ZR	X1+ILLCOM
004100			SX6	1
004101	5110000527		SA6	.LIBLOAD
		5127003041	XJ	GET LOADING LIBRARY
004102	0301004103		SA1	.RSTLOAD
		10611	SA2	.PAR+1
		54620	ZR	.RA+B.FL-ENTRYADR
004103	6147003035		Bx6	X1+LOADLIB
		43053	SA6	X1
004104	5114777776		SA6	A2
		13110	SB.ESTAB	.RA+B.FL-ENTRYTAB
004105	0301004110		MX0	43
		6144777775	SA1	UNDEFINED VALUE
004106	0645004104		Bx1	B.ESTAB-1
		76600	ZR	X1-X0
004107	5160000514		SX.ESTAB	X1+LIBFND
		0200004474	GE	B.ESTAB-2
004110	56140		SX6	B.ESTAB,B.TOE3,LOADLIB
		43052	SA6	80
			JP	.LIBLOAD
			SA1	WRAPUP
			MX0	B.ESTAB
				GET NAME
				42

	11601		Bx6	X0*X1
004111	5167003037		SA6	B.FL+.RA-ENTRYN
	7160141102		Sx6	3RLIB
004112	7076772517		Sx7	A6+.RA
	20652		Lx6	42
	12667		Bx6	X6*X7
004113	5160001431		SA6	.REQ
			SCOPE	
004114	5117003037		SA1	B.FL+.RA-ENTRYN
	76600		Sx6	B0
004115	5160000746		SA6	.USERNME
	43052		MX0	42
	11101		Bx1	X0*X1 CLEAR OLD CODE
004116	7120000052		Sx2	52B
	0301004124		ZR	X1.NOTINLIB
004117	12612		Bx6	X1+X2
	66467		SR.ESTAB	B.RA+B.FL
	5164775771		SA6	B.ESTAB-IOFET
004120	7160031117		Sx6	3RCIO
	20652		Lx6	42
004121	7177775771		Sx7	B.FL-IOFET
	12667		Bx6	X6*X7
004122	5160001431		SA6	.REQ
			SCOPE	
004123	0200004130		JP	MAINLOOP
004124	5114777776	NOTINLIB	SA1	B.ESTAB-1
	7160000001		Sx6	1
004125	12661		Bx6	X6*X1
	54610		SA6	A1
	0200004103		JP	LOADLIB
004126	7160000001	MAKEOVLY	Sx6	1
	5160001444		SA6	OVLYF
004127	0200004076		JP	ENTER

004130	0100000447	MAINLOOP	RJ	GETONE
004131	10211		Bx2	X1
	20206		Lx2	6
	43066		Mx0	54
	15220		Bx2	-X0*X2
004132	7232777743		Sx3	X2-348
	0333005127		Ng	X3,TABERR
004133	7242777700		Sx4	X2-778
	0304004245		ZR	X4,LABEL
004134	7242777726		Sx4	X2-518
	0324005127		PL	X4,TABERR
004135	21301		AX3	1
	63130		SRI	X3
	0210004136		JP	**1+B1
004136	0200004441		JP	PIDL
004137	0200004307		JP	ENTR
004140	0200004176		JP	TEXT
004141	0200004145		JP	FILLREPL
004142	0200004353		JP	LINK.
004143	0200004241		JP	XFER
004144	0200004250		JP	ABSOVER
004145	7242777734	FILLREPL	Sx4	X2-438
	0304004147		ZR	X4,REPL
004146	0200004374		JP	FILL

004147	21144	REPL	AX1	36	
	6211000000		SB1	X1+0	WORD COUNT
004150	0410004130	REPL	ZR	B1,MAINLOOP	
	0100000447		RJ	GETONE	
004151	10511		Bx5	X1	
	63250		SR2	X5	S FILED
	0100000447		RJ	GETONE	
004152	6111777775		SB1	B1-2	
	63310		SB3	X1	D FILED
	21122		AX1	18	
004153	21522		AX5	18	
	43063		MX0	51	
	15310		Bx3	-X0*X1	DR FIELD
	66467		SB,ESTAB	B.RA+B.FL	
004154	6144776777		SB,ESTAB	B.ESTAB-BASESIZE	
	15450		Bx4	-X0*X5	SR FILED
	53334		SA3	B.ESTAB+X3	
004155	0373005162		ID	X3,UERRORBC	
	53444		SA4	B.ESTAB+X4	
004156	0374005162		ID	X4,UERRORBC	
	63242		SB2	B2+X4	
004157	0720005135		NG	B2,UERRORLA	
	56020		SA0	B2	
	63333		SB3	B3+X3	DADD
004160	21111		AX1	9	
	21511		AX5	9	
	43055		MX0	45	
	15310		Bx3	-X0*X1	B FIELD
004161	73450		Sx4	X5	I FILED
	21117		AX1	15	
004162	0313004163	+	NZ	X3,**1	
	7130000001		Sx3	1	ASSUME B = U
004163	0530004164		NZ	B3,SETX0	
	63332		SB3	B2+X3	ASSUME D = S + B
004164	76030	SETX0	SX0	B3	
	0314004165		NZ	X4,BEGREPL	
	73430		SX4	X3	ASSUME I = B
004165	0200004174	BEGREPL	JP	REPLC	
004166	0730005135	REPLA	NG	B3,UERRORLA	
	7273000000		Sx7	X3+0	
004167	66462	REPLB	SB,ESTAB	B.RA+B2	
	0645005144		GE	B.ESTAB,B.TOE5,UERRORFL	
	66463		SB,ESTAB	B.RA+B.C	
004170	0645005144		GE	B.ESTAB,B.TOE5,UERRORFL	
	56262		SA2	B.RA+B.B	
	10622		Bx6	X2	
004171	56663		SA6	B.RA+B3	
	6122000001		SB2	B2+1	
004172	6133000001		SB3	B3+1	
	7277777776		Sx7	X7-1	
004173	0337004174		NG	X7,REPLC	
	0317004167		NZ	X7,REPLB	
004174	0301004150	REPLC	ZR	X1,REPL	

004175 63300 721177776
 36004 0200004166

Sx1	x1-1
SR3	x0
Ix0	x0+x4
JP	REPLA

SCOPE	VER 2.06	TEXT TABLE	SCOPE	SIMULATOR
004176	63110	TEXT	SR.A	X1 L FILED
	21122		AX1	18
	66467		SR.ESTAB	B.RA+B.FL LWA+1 OF BASE TABLE
	43070		MX0	56 RELOCATION BYTE MASK
004177	6144776777		SR.ESTAB	B.ESTAB-BASESIZE
	5134000001		SA3	B.ESTAB+1
004200	53214		SA2	B.ESTAB+X1
	0372005162		ID	X2,UERRORBC
	63321		SB3	X2+B1
004201	0730005135		NG	B3,UERRORLA
	6123005300		SR2	B3+.RA+16
004202	0625005144		GE	B2,B.TOES,UERRORFL
	63220		SR2	X2 SAVE RELC
	21122		AX1	18
004203	0520004206		NZ	B2,NOTABS
	5124776562		SA2	B.ESTAB-BASESIZE-CURRADR
004204	73611		SX6	X1+B1 ADD LENGTH TO LOAD ADDRESS
	37762		IX7	X6-X2
	0337004206		NG	X7,NOTABS SENSE NOT OVER CURRADR
004205	5164776562		SA6	B.ESTAB-BASESIZE-CURRADR
004206	5201777776	NOTABS	SA0	X1-1
	0301004130		ZR	X1,MAINLOOP
004207	63130		SB1	X3 POSITIVE BEGINNING ADDRESS
	0100000447		RJ	GETONE
004210	10211		BX2	X1
	43357		MX3	42
	10433		BX4	X3
	20417		LX4	15
004211	10533		BX5	X3
	20536		LX5	30
004212	74100	TEXTA	SX1	A0
	0301004130		ZR	X1,MAINLOOP
004213	0100000447		RJ	GETONE
004214	0322004225	CHKUP	PL	X2,CHKMID
	20201		LX2	1 GET SIGN
	66210		SR2	B1
004215	0322004216	+	PL	X2,PLUP
	67201		SR2	-B1
004216	15615	PLUP	BX6	-X5*X1
	21636		AX6	30
	73662		SX6	B2+X6
	20636		LX6	30
004217	13116		BX1	X1-X6
	11151		BX1	X5*X1
	13116		BX1	X1-X6
	20201		LX2	1
004220	0322004236		PL	X2,SHFTSTO
	20201		LX2	1
	66210		SR2	B1
004221	0322004222	+	PL	X2,PLLW
	67201		SR2	-B1
004222	73612	PLLW	SX6	B2+X1
	13116		BX1	X1-X6

	11131		Bx1	X3*X1
	13616		Bx6	X1-X6
004223	56663	STOWRD	SA6	B.RA+B3
	20201		Lx2	1
	5000777776		SA0	A0-1
004224	6133000001		SB3	B3+1
	0200004212		JP	TEXTA
004225	20201	CHKMID	Lx2	1
	0322004233		PL	X2,NOMID
	20201		Lx2	1
004226	66210		SB2	B1
	0322004227		PL	X2,PLMID
	67201		SB2	-B1
004227	15614	PLMID	Bx6	-X4*X1
	21617		AX6	15
	73662		Sx6	X6+B2
	20617		Lx6	15
004230	13116		Bx1	X1-X6
	11141		Bx1	X4*X1
	13616		Bx6	X1-X6
	20202		Lx2	2
004231	56663		SA6	B.RA+B3
	5000777776		SA0	A0-1
004232	6133000001		SB3	B3+1
	0200004212		JP	TEXTA
004233	20201	NOMID	Lx2	1
	0322004236		PL	X2:NOLOW
	20201		Lx2	1
004234	66210		SB2	B1
	0322004222		PL	X2,PLLW
	67201		SB2	-B1
004235	0200004222		JP	PLLW
004236	20202	NOLOW	Lx2	2
	10611		Bx6	X1
	56663		SA6	B.RA+B3
004237	5000777776		SA0	A0-1
	6133000001		SB3	B3+1
004240	0200004212		JP	TEXTA
	0004236	SHFTSTO	EQU	NOLOW

004241	21144	XFER	AX1	12*3	
	6211777776		SB1	X1-1	GET WORD COUNT
004242	0100000447		RJ	GETONE	
004243	10611		Bx6	X1	
	66476		SB-ESTAB	B.FL+B.RA	
	5164775560		SA6	B.ESTAB-ENTRYADR	
004244	0200004246		JP	LABELL	SKIP REST OF TABLE

004245	21144	LABEL	AX1	12*3	
	6211000000		SBI	X1+0	
004246	0410004130	LABELL	ZR	R1,MAINLOOP	GET WROD COUNT
	0100900447		RJ	GETONE	
004247	6111777776		SBI	B1-1	
	0200004246		JP	LABELL	

004250	73610	ABSOVER	Sx6	X1	SAVE ENTRY ADDRESS
	66467		SR.ESTAB	B.RA+B.FL	
	6144775560		SB.ESTAB	B.ESTAB-ENTRYADR	
004251	56640		SA6	B.ESTAB	
	21122		AX1	18	
	6221000001		SB2	X1+1	
004252	0720005135		NG	B2,UERRORLA	
004253	0100000447	ABSLOAD	RJ	GETONE	
004254	10611		Bx6	X1	
	66462		SB.ESTAB	B.RA+B2	
	0645005144		GE	B.ESTAB,B.TOES,UERRORFL	
004255	5164000000		SA6	B.ESTAB+0	
	6122000001		SB2	B2+1	
004256	0200004253		JP	ABSLOAD	


```

*      ROUTINE IO X6 INTO BUFFER POINTERD TO BY B.ESTAB
*      MAY Use X2,X6,X7,B3
PUTBG  SA2      B.ESTAB+FET.IN
        SB.C     X2
004257 5124000002 63320
        SA2      B.ESTAB+FET.LMIT
        SX7      B3+1
004260 5124000004 7173000001
        SX2      X2
        IX2      X2-X7
004261 73220      37227
        NZ       X2+INOK
        SA2      B.ESTAB+FET.FRST
        SX7      X2
004262 5124000001 73720
        INOK     SA2      B.ESTAB+FET.OUT
        SX7      X2-X7
        IX2      X2+BUFFFILL
004263 5124000003 37227
        ZR       SA6      B3+B.RA
        SA7      B.ESTAB+FET.IN
004264 0302004266 56636
        JP       PUTB
        BUFFFILL MX7      42
004265 5174000002 0200000453
        SB3      1
        SX2      B3+B3
        BX7      X2+X7
        SA2      B.ESTAB
        BX7      X2+X7
004266 43752      6130000001 76233
        SX2      14B
        BX7      X2+X7
        SA7      B.ESTAB
        SX7      3RCIO
004267 12727      59240
        LX7      2
        SX2      B.C
        BX7      X2+X7
        LX7      40
004270 7120000014 11727
        SX2      B.ESTAB-B.RA
        BX7      X2+X7
        SA7      .REQ
        56740
004271 7170031117 20702
        SC0PE
        76230
004272 12727      20750
        JP       PUTBG
        77246
        12727
004273 5170001431
004274 0200004257

```

```
* SUBROUTINE TO SEARCH THE ENTRY TABLE FOR THE GIVEN NAME IN X3
* LOZF. SET B.B TO 2 IF COMMON BLOCK; SET TO 1
* IF ENTRY NAME; SET TO 3 IF PROGRAM NAME.
* RETURN IN B.ESTAB THE ADDRESS OF THE SECOND WORD OF THE TABLE
* AND IN X2 THE CONTENTS OF (B.ESTAB);
* B.B = -1 IF NOT FOUND; B.B = 0 IF FOUND.
004275 66467 SRCHENTG SB.ESTAB B.RA-B.FL
        6144775554 SR.ESTAB B.ESTAB-ENTRYTAB
004276 56240 SRCHLOOP SA2 B.ESTAB GET ENTRY TABLE ENTRY
        63320 SB3 X2 CHECK IF RIGHT TYPE
        0423004304 EQ B2,B3,CHKNAME SENSE CORRECT TYPE
004277 6144777775 SRCHCONT SB.ESTAB B.ESTAB-2 GO TO NEXT TABLE ENTRY
        0645004276 GE B.ESTAB,B.TOES,SRCHLOOP
004300 76620 SX6 B2 ITEM IS NOT IN TABLE
        12663 BX6 X6-X3 FORM FIRST WORD OF NEW TABLE
        5165777776 SA6 B.TOES-1 STORE FIRST WORD
004301 6155777775 SR.TOES B.TOES-2
        66450 SB.ESTAB B.TOES RETURN SECOND WORD ADDRESS
004302 6120777776 SB2 -1
        0665005144 LE B.TOES,B.RA,UERRORFL
004303 0200000451 JP SRCHENT
004304 73620 CHKNAME SX6 X2
        13626 BX6 X2-X6
        13663 BX6 X6-X3 GET NAME INEQUALITY
004305 0316004277 NZ X6,SRCHCONT
        6144777776 SB.ESTAB B.ESTAB-1 RETURN SECOND WORD ADDRESS
004306 6120000001 SB2 1
        0200000451 JP SRCHENT
```

ENTR TABLE

004307	21144	ENTR	AX1	12*3	
	6211000000		SB1	X1+0	
004310	0410004130	ENTRL	ZR	B1,MAINLOOP	
	0100000447		RJ	GETONE	
004311	6111777776		SB1	B1-1	
	10311		Bx3	X1	
004312	6120000001		SB2	1	
	0100000451		RJ	SRCHENT	
004313	0720004316		NG	B2,NOTDUPE	
	56240		SA2	B,ESTAB	
	73220		Sx2	X2	
004314	0332004316		NG	X2,NOTDUPE	SENSE NOT DUP ENTRY NAMES
	0100000447		RJ	GETONE	IGNORE ENTRY IFO
004315	6111777776		SB.A	B.A-1	
	0200004310		JP	ENTRL	
004316	77546	NOTDUPE	Sx5	B,ESTAB-B,RA	
	0100000447		RJ	GETONE	
004317	6111777776		SB1	B1-1	
	73610		Sx6	X1	
	21122		AX1	18	
004320	66467		SB,ESTAB	B,RA+B,FL	
	6144776777		SB,ESTAB	B,ESTAB-BASESIZE	
	53114		SA1	B,ESTAB+X1	GET RELOC TABLE ENTRY
004321	0371005162		ID	X1,UERRORBC	SENSE BLANK COMMON ENTRY POINT
	36661		Ix6	X6+X1	
	53656		SA6	X5+B,RA	STORE EXTERNAL DEFINED ENTRY
004322	7177775554		Sx7	B,FL-ENTRYTAB	
	37775		Ix7	X7-X5	GET TABLE INDEX
004323	7160000001		Sx6	1	
	20644		Lx6	36	
	12676		Bx6	X7+X6	
004324	6144776563		SB,ESTAB	B,ESTAB+BASESIZE-EXTFET	
	0100000453		RJ	PUTB	
004325	0200004310		JP	ENTRL	

```
* ROUTINE TO GET THE NEXT BUFFER WOULD OUT TO THE FILE
* WHOSE FET IS POINTED TO BY B.ESTAB
* MAY USE X1,X6,X7
* BUFFER WORD IN X1
004326 66467 GETONEG SR.ESTAB B.RA+B.FL
        6144775771 SR.ESTAB B.ESTAB+IOFET
004327 0100000445 RJ GETB
004330 0307000447 ZR X7,GETONE
        0200004067 JP ENDL0AD
004331 5114000003 GETBG SA1 B.ESTAB+FET.OUT
        73610 SX6 X1
        73760 SX7 X6
004332 5114000002 SA1 B.ESTAB+FET.IN
        37171 IX1 X7-X1
004333 0301004341 ZR X1,BUFFEMPT SENSE BUFFER IS EMPTY
        7277000001 SX7 X7+1
004334 5114000004 SA1 B.ESTAB+FET.LMIT
        73110 SX1 X1
        37117 IX1 X1-X7
004335 0311004337 NZ X1,OUTOK
        5114000001 SA1 B.ESTAB+FET.FRST
004336 7271000000 SX7 X1+0
004337 5174000003 OUTOK SA7 B.ESTAB+FET.OUT
        53166 SA1 X6+B.RA GET BUFFER SORD
        76700 SX7 B0 SET NORMAL SWITCH
        JP GETB
004340 0200000445 BUFFEMPT MX7 42
004341 43752 SX6 2
        7160000002 BX7 X7+X6
        12776 SA1 B.ESTAB GET FET(0)
004342 56140 BX7 X7*X1
        11771 SX1 10B
        7110000010 BX7 X7-X1
004343 12771 SA7 B.ESTAB PUT OPCODE IN FET
        56740 SX7 3RCIO
004344 20703 LX7 3
        12776 BX7 X7+X6
        20747 LX7 39
        77646 SX6 B.ESTAB-B.RA
004345 12776 BX7 X7+X6
        5170001431 SA7 .REQ
        SCOPE
004347 5114000002 SA1 B.ESTAB+FET.IN
        73710 SX7 X1
004350 5114000003 SA1 B.ESTAB+FET.OUT
        37171 IX1 X7-X1
004351 0311004331 NZ X1,GETBG
        7170000001 SX7 1 SET ZERO LENGTH RECORDED SWITCH
004352 0200000445 JP GETB
```

004353	21144	LINK.	AX1	12*3	
	63110		SB1	X1	
	5100000000		SA0	B0*0	SET UPPER HALF NEEDED
004354	0100000443	LINKL	RJ	GETHALF	GET NEXT HALF
004355	0332004364		NG	X2*DETAILL	
	0302004354		ZR	X2*LINKL	
004356	10322		Bx3	X2	
	0100000443		RJ	GETHALF	
004357	20236		LX2	30	
	12323		Bx3	X2*X3	
	6120000001		SR2	1	
004360	0100000451		RJ	SRCHENT	GET ENTRY NAME
004361	0620004362		PL	B2*ENTINTAB	
	43653		MX6	43	
	56640		SA6	B*ESTAB	SET ENTRY ADDRESS TO UDEFINED
004362	67246	ENTINTAB	SB2	B*ESTAB-B*RA	
	6137775554		SB3	B*FL-ENTRYTAB	
	77532		SX5	B*C-B*B	
004363	0200004354		JP	LINKL	
004364	66467	DETAILL	SR*ESTAB	B*RA*B*FL	
	6144776777		SR*ESTAB	B*ESTAB-BASESIZE	
	21236		AX2	30	
004365	73620		SX6	X2	
	21222		AX2	18	
	43063		MX0	60-9	
	15320		BX3	-X0*X2	
004366	53334		SA3	X3*B*ESTAB	
	36663		IX6	X6*X3	
	63466		SR*ESTAB	X6*B*RA	
004367	0645005144		GE	B*ESTAB,B*TOES,UERRORFLI	
	0745005135		LT	B*ESTAB,B*RA,UERRORLA	
004370	21211		AX2	9	
	43072		MX0	58	
	15220		BX2	-X0*X2	
	20622		LX6	18	
004371	12662		BX6	X6*X2	
	20622		LX6	18	
	12665		BX6	X6*X5	
	66467		SR*ESTAB	B*RA*B*FL	
004372	6144775563		SR*ESTAB	B*ESTAB-EXTFET	
	0100000453		RJ	PUTB	
004373	0200004354		JP	LINKL	

FILL TABLE

004374	21144	FILL	AX1	12*3	GET WORD COUNT
	63110		SB1	X1	
	5100000000		SA0	B0*0	
004375	0100000443	FILLLOOP	RJ	GETHALF	GET NEXT BYTE
004376	0332004413	FILLPROC	NG	X2*DETAIL	SENSE DETAIL BYTE
	21236		AX2	30	
	66467		SB*ESTAB	B.RA+B.FL	
004377	6144776777		SB*ESTAB	B.ESTAB-BASESIZE	
	53524		SA5	B.ESTAB+X2	
004400	0365004375		DF	X5,FILLLOOP	SENSE NOT BLANK COMMON
	7150000001		SX5	1	FIRST ENTRY IS BLANK COMMON
004401	0100000443	FILLBCL	RJ	GETHALF	GET NEXT BYTE
004402	0322004376		PL	X2,FILLPROC	PROCESS AS NEW SPECIFIER
	66467		SB*ESTAB	B.RA+B.FL	
004403	6144776777		SB*ESTAB	B.ESTAB-BASESIZE	
	21236		AX2	30	POSITION TO LOWER THIRTY BITS
	73620		SX6	X2	
004404	21222		AX2	18	
	43063		MX0	60-9	
	15320		BX3	-X0*X2	
	53334		SA3	X3+B.ESTAB	GET RELOCATION
004405	36663		IX6	X6*X3	
	63466		SB*ESTAB	X6+B.RA	
	0645005144		GE	B.ESTAB,B.TOES,UERRORFL	
004406	0746005135		LT	B.ESTAB,B.RA,UERRORLA	
	21211		AX2	9	
	43072		MX0	58	
004407	15220		BX2	-X0*X2	
	20622		LX6	18	
	12662		BX6	X6*X2	
	20622		LX6	18	
004410	12665		BX6	X6*X5	
	66467		SB*ESTAB	B.RA+B.FL	
	6144775563		SB*ESTAB	B.ESTAB-EXTFET	
004411	0100000453		RJ	PUTB	
004412	0200004401		JP	FILLBCL	
004413	20236	DETAIL	LX2	30	
	73320		SX3	X2	
	21222		AX2	18	
	66467		SB*ESTAB	B.RA+B.FL	
004414	6144776777		SB*ESTAB	B.ESTAB-BASESIZE	
	43063		MX0	60-9	
	15020		BX0	-X0*X2	
004415	53404		SA4	B.ESTAB+X0	
	36443		IX4	X4*X3	GET DATA ADDRESS
	77056		SX0	B.TOES-B.RA	GET USER FLI
	37040		IX0	X4-X0	
004416	0320005144		PL	X0,UERRORFL	
	0334005135		NG	X4,UERRORLA	
004417	53346		SA3	X4+B.RA	GET WORD TO BE RELOCATED
	43072		MX0	58	
	21211		AX2	9	
	15020		BX0	-X0*X2	GET TYPE OF RELOCATION

004420	63200		SB2	X0	
	66222		SB2	B2+B2	
	43752		MX7	42	
	10077		Bx0	X7	
004421	20717		Lx7	15	
	10277		Bx2	X7	
	20717		Lx7	15	
	63350		SH3	X5	
004422	0220004423		JP	**1+B2	
004423	73633		Sx6	X3+B3	LOWER
	11303		Bx3	X0*X3	
	15660		Bx6	-X0*X6	
004424	12663	MERGEADR	Bx6	X6*X3	
	53646		SA6	X4+B.RA	RESTORE WORD
	0200004375		JP	FILLLOOP	
004425	15632		Bx6	-X2*X3	
	21617		Ax6	15	
	73663		Sx6	X6+B.C	
	20617		Lx6	15	
004426	15662		Bx6	-X2*X6	
	11323		Bx3	X2*X3	
	0200004424		JP	MERGEADR	
004427	15637		Bx6	-X7*X3	
	21636		Ax6	30	
	73663		Sx6	X6+B3	
	20636		Lx6	30	
004430	15667		Bx6	-X7*X6	
	11373		Bx3	X7*X3	
	0200004424		JP	MERGEADR	
004431	0200005127		JP	BADTABLE	NOT USED

```
*      SUBROUTINE TO GET THE NEXT HALF WORD OF THE TABLE
*      CALLING ROUTINES MUST NOT USE X1 AND MUST INITIALLY SET A0 TO
*      0
*      RETURNS IN X2 UPPER 30 BITS THE NEXT HALF WORD FROM THE TABLE
004432 7020000000 GETHALFG SX2 A0*0
                                NZ X2:LOWERHLF
004433 0410004130 ZR B1:MAINLOOP
                                RJ GETONE
004434 6111777776 SB1 B1-1
                                MX0 30
                                BX2 X0*X1
                                SA0 1 SET TO LOWER HALF AVAILABLE
                                JP GETHALF
                                0200000443
004435 5100000001 LOWERHLF MX0 30
                                BX2 -X0*X1
                                LX2 30
                                SA0 0
004437 5100000000 JP GETHALF
                                0200000443
```


004440	55555555555500000	BLNK7	DATA	7L	
004441	21144	PIDL	AX1	12*3	
	63110		SB1	X1	GET WORD COUNT
			ZR	B1.MAINLOOP	
004442	5140004440		SA4	BLNK7	
	0100000441		RJ	CGETONE	
004443	6120000003		SB2	3	
	7150000001		SX5	1	
004444	76600		SX6	B0	
	66467		SB.ESTAB	B.RA+B.FL	
	5164775777		SA6	B.ESTAB-BASESIZE	
004445	5114775562		SA1	B.ESTAB-CURRADR	
004446	13743	PIDLLOOP	BX7	X4-X3	
	0307004465		ZR	X7.BLNKCOM	SENSE BLANK COMMON
004447	0100000451		RJ	SRCHENT	
004450	0620004463		PL	B2.DUPBLOCK	
	74700		SX7	A0	
	36671		IX6	X7+X1	
004451	54610		SA6	A1	UPDATE LOAD ADDRESS
	20736		LX7	30	
	12771		BX7	X7+X1	MAKE SECOND WORD
	56740		SA7	B.ESTAB	STORE INTO SECOND
004452	7271000000		SX7	X1+0	GET LOAD ADDRESS
004453	66467	STOBADR	SR.ESTAB	B.RA+B.FL	
	6144776777		SR.ESTAB	B.ESTAB-BASESIZE	
	53754		SA7	B.ESTAB+X5	STORE BASE ADDRESS
004454	7255000001		SX5	X5+1	INCREMENT TABLE INDEX
	6225777775		SB2	X5-2	
004455	0520004457		NZ	B2.NOTPROG	
	14777		BX7	-X7	
	53754		SA7	B.ESTAB+X5	STORE NEGATIVE PROG ADDRESS
004456	7255000001		SX5	X5+1	INCREMENT TABLE INDEX
004457	6111777776	NOTPROG	SR.A	B.A-1	
	0410004130		ZR	B1.MAINLOOP	
004460	0100000441		RJ	CGETONE	
004461	66467		SB.ESTAB	B.RA+B.FL	
	5114775561		SA1	B.ESTAB-COMBKADR	
004462	6120000002		SB.B	2	
	0200004446		JP	PIDLLOOP	
004463	7102000001	DUPBLOCK	SX0	B2+1	
	0330005120		NB	X0.DUPPROG	
004464	56240		SA2	B.ESTAB	
	73720		SX7	X2	
	0200004453		JP	STOBADR	STORE BASE ADDRESS
004465	66467	BLNKCOM	SR.ESTAB	B.RA+B.FL	
	5114775555		SA1	B.ESTAB-BLNKCOML	
	37216		IX2	X1-X6	
004466	0322004467		PL	X2.NOTBIG	SENSE NOT LARGER REQUEST FOR BLANK COMM
	5164775555		SA6	B.ESTAB-BLNKCOML	
004467	43702	NOTBIG	Mx7	2	
	6144776777		SR.ESTAB	B.ESTAB-BASESIZE	
	53754		SA7	B.ESTAB+X5	STORE INDEFINITE AS BASE ADDRESS
004470	7255000001		SX5	X5+1	INCREMENT LCT POINT

SCOPE VER 2.06

P I D L T A B L E

SCOPE SIMULATOR

01 JAN 84 00:00:00 PAGE NO. 86

0200004457

JP

NOTPROG

SCOPE VER 2.06
CGETONE

SCOPE SIMULATOR

01 JAN 84 00:00:00 PAGE NO. 87

004471 0100000447
004472 43052
11301
53010
004473 0200000441

CGETONEG RJ GETONE
MY0 42
BX3 X0*X1
SA0 X1
JP CGETONE

SAVE PROGRAM/BLOCK SIZE

004474	66467	WRAPUP	SB. ESTAB	B. RA+B. FL
	5114775562		SA1	B. ESTAB-CURRADR
004475	5124775561		SA2	B. ESTAB-COMBKADR
	7137775554		SX3	B. FL-ENTRYTAB
004476	5140000617		SA4	.COMLEN
	37334		IX3	X3-X4
	37332		IX3	X3-X2
004477	0303004500		ZR	X3, NOCOMBLK
	73620		SX6	X2
	54610		SA6	A1
004500	6110777771	NOCOMBLK	SB1	-6
	6144775771		SB. ESTAB	B. ESTAB-IOFET
004501	5110005003		SA1	OUTFET
	10611		BX6	X1
	56640		SA6	B. ESTAB
004502	76700		SX7	B0
	5170001456		SA7	.EXTFLAG
004503	5111005023	TITLE	SA1	.HEAD+6+B1
	0100000435		RJ	LPUTB
004504	6111000001		SB1	B1+1
	0510004503		NZ	B1, TITLE
004505	5110005013		SA1	FWABCD
	0100000435		RJ	LPUTB
004506	5134777565		SA3	B. ESTAB-FWALOAD+IOFET
	0100000433		RJ	OCTBCD
004507	20460		LX4	48
	10144		BX1	X4
	0100000435		RJ	LPUTB
004510	5110005012		SA1	TENBLNK
	0100000435		RJ	LPUTB
004511	5110005011		SA1	LWABCD
	0100000435		RJ	LPUTB
004512	5124777570	BCTRY	SA2	B. ESTAB-CURRADR+IOFET
	5144777563		SA4	B. ESTAB-BLNKCOML+IOFET
004513	36324		IX3	X2+X4
	14533		BX5	-X3
	73557		SX5	X5+B. FL
004514	0335005044		NG	X5, UERRORCT SNSE COMMON EXCEEDS CORE
	73620		SX6	X2
004515	5164777561		SA6	B. ESTAB-ENTRYTAB-1+IOFET
	0100000433		RJ	OCTBCD
004516	20460		LX4	48
	10144		BX1	X4
	0100000435		RJ	LPUTB
004517	76100		SX1	B0
	0100000435		RJ	LPUTB
004520	5110005010		SA1	ROOM
	0100000435		RJ	LPUTB
004521	5114777565		SA1	B. ESTAB-FWALOAD+IOFET
	77256		SX2	B. TOES-B. RA
004522	5134777570		SA3	B. ESTAB-CURRADR+IOFET
	5144777563		SA4	B. ESTAB-BLNKCOML+IOFET
004523	36334		IX3	X3+X4

37331
 004524 0100000433 37323
 004525 20460
 10144
 0100000435
 004526 5110005006
 0100000435
 004527 5110005007
 0100000435
 004530 5114777566
 43652
 11161
 004531 7160005555
 12161
 20160
 004532 0100000435
 004533 6110777767
 004534 5111005033
 0100000435
 004535 6111000001
 0510004534
 004536 61117775554
 67259
 004537 0712004857
 56316
 004540 7213777775
 0321004542
 004541 6111777775
 0200004537
 004542 43052
 11603
 0100000437
 004543 6111777776
 56516
 004544 6111777776
 6130000036
 004545 23335
 0100000433
 004546 10144
 0100000435
 004547 73350
 0100000433
 004550 20444
 10144
 0100000435
 004551 6131000002
 56363
 004552 6233777775
 5113005040
 004553 0100000435
 004554 6233777775
 5113005042

SUBHEADA

LISTL

PRINTIT

IX3 X3-X1
 IX3 X2-X3
 RJ OCTBCD
 LX4 48
 BX1 X4
 RJ LPUTB
 SA1 XFERBCD
 RJ LPUTB
 SA1 POINTBCD
 RJ LPUTB
 SA1 B.ETAB-ENTRYADR+IOFET
 MX6 42
 BX1 X6-X1
 SX6 2R
 BX1 X6-X1
 LX1 48
 RJ LPUTB
 SB1 -8
 SA1 .SUBHD-B+B1
 RJ LPUTB
 SB1 B1+1
 NZ B1-SUBHEADA
 SB1 B.FL-ENTRYTAB
 SB2 B.TCES-B.RA
 LT B1-B2.LISTDNE
 SA3 B1-B.RA GET NEXT ENTRY NAME
 SX1 X3-2
 PL X1.PRINTIT
 SB1 B1-2
 JP LISTL
 MX6 42
 BX6 X0-X3
 RJ BLKZERO BLANK ALL ZEROES
 SB1 B1-1
 SA5 B1-B.RA
 SB1 B1-1
 SB3 30
 AX3 X5-B.C
 RJ OCTBCD
 BX1 X4
 RJ LPUTB
 SX3 X5
 RJ OCTBCD
 LX4 36
 BX1 X4
 RJ LPUTB
 SB3 B1+2
 SA3 B.RA+B3 GET NAME AGAIN
 SB3 X3-2
 SA1 ATYPETAB+B3
 RJ LPUTB
 SB3 X3-2
 SA1 BTYPETAB+B3

004555	0100000435		RJ	LPUTB	
004556	0200004537		JP	LISTL	
004557	5114777563		SA1	B.ESTAB-BLNKCOML+IOFET	
		0301004567	ZR	X1,LISTDNE2 SENSE NO BALNK COMMON	
004560	5110005012		SA1	TENBLNK	
		0100000435	RJ	LPUTB	
004561	5134777563		SA3	B.ESTAB-BLNKCOML+IOFET	
		0100000433	RJ	OCTBCD	
004562	10144		Bx1	X4	
		0100000435	RJ	LPUTB	
004563	5134777570		SA3	B.ESTAB-CURRADR+IOFET	
		0100000433	RJ	OCTBCD	
004564	20444		Lx4	36	
		10144	Bx1	X4	
		0100000435	RJ	LPUTB	
004565	5110005040		SA1	ATYPETAB	
		0100000435	RJ	LPUTB	
004566	5110005042		SA1	BTYPETAB	
		0100000435	RJ	LPUTB	
004567	6110777772		LISTDNE2 SA1	-5	
		7110000000	Sx1	0	
004570	0100000435		RJ	LPUTB	
004571	5111005040		LISTDNE1 SA1	EPR+5+B1	
		0100000435	RJ	LPUTB	
004572	6111000001		SB1	B1+1	
		0510004571	NZ	B1,LISTDNE1	
004573	66467		SB,ESTAB	B.RA+B.FL	
		5114775563	SA1	B.ESTAB-EXTFET	
004574	7221777774		Sx2	X1-3	GET LAST CODE/STATUS
		7160000027	Sx6	27B	
004575	43552		Mx5	42	
		11151	Bx1	X5*X1	
		12661	Bx6	X6*X1	
004576	5164775563		SA6	B.ESTAB-EXTFET	
		0302004610	ZR	X2,FILEIN	
004577	6144775563		SB,ESTAB	B.ESTAB-EXTFET	
		7170031117	Sx7	3RCIO	
004600	20702		Lx7	2	
		7150000001	Sx6	1	
		13665	Bx6	X6-X5	ZERO COMPLETE BIT
004601	56640		SA6	B.ESTAB	PUT BACK IN FET
		12775	Bx7	X7-X5	
		20750	Lx7	40	
		77646	Sx6	B.ESTAB-B.RA	
004602	12776		Bx7	X7-X6	
		5170001431	SA7	.REQ	
			SCOPE		
004604	7120000052		Sx2	52B	
		56140	SA1	B.ESTAB	
		43652	Mx6	42	
004605	11661		Bx6	X6*X1	ZERO CODE AND STATUS
		12662	Bx6	X6*X2	
		56640	SA6	B.ESTAB	

	54770		SA7	A7
004606			SCOPE	
004607	7160000000		SX6	0
	5160001456		SA6	.EXTFLAG
004610	6110000000	FILEIN	SB1	0 ZERO INDEX
	6120000000		SR2	0 ZERO SORT INDEX
004611	5110001456		SA1	.EXTFLAG
	0311004701		NZ	X1,ALLDONE
004612	66467	READEXT	SR.ESTAB	B.RA+B.FL
	6144775563		SB.ESTAB	B.ESTAB-EXTFET
004613	0100000445		RJ	GETB
004614	66467		SR.ESTAB	B.RA+B.FL
	6144776777		SR.ESTAB	B.ESTAB-BASESIZE
004615	5170001456		SA7	.EXTFLAG
	0317004620		NZ	X7,SORTA SENSE EXT DONE
004616	10611		BX6	X1
	56641		SA6	B.ESTAB+B1
	6111000001		SB1	B1+1
004617	7111776777		SX1	B1-BASESIZE
	0331004612		NG	X1,READEXT
004620	6122000001	SORTA	SR2	B2+1
	0621004633		GE	B2,B1,DOEXT
004621	56142		SA1	B.ESTAB+B2
	7231001222		SX3	X1-BASESIZE+ENTRYTAB-1
	14333		BX3	-X3
004622	53334		SA3	X3+B.ESTAB
	6132777776		SR3	B2-1
004623	56234	SORTB	SA2	B3+B.ESTAB
	7242001222		SX4	X2-BASESIZE+ENTRYTAB-1
	14444		BX4	-X4
004624	53444		SA4	X4+B.ESTAB
	37534		IX5	X3-X4
	0325004631		PL	X5,CHKADRS
004625	6133777776	SORTC	SR3	B2-1
	5103000002		SA0	B3+2
004626	10622		BX6	X2
	54604		SA6	A0+B.ESTAB
	0630004623		PL	B3,SORTB
004627	5103000001	STORE	SA0	B3+1
	10711		BX7	X1
	54704		SA7	B.ESTAB+A0
004630	0200004620		JP	SORTA
004631	0315004627	CHKADRS	NZ	X5,STORE
	37512		IX5	X1-X2
004632	0325004627		PL	X5,STORE
	0200004625		JP	SORTC
004633	0410004701	DOEXT	ZR	B1,ALLDONE
	66200		SB2	B0
	76500		SX5	B0
004634	56000		SA0	B0
004635	0421004610	DOEXTL	EQ	B2,B1,FILEIN
	66467		SR.ESTAB	B.RA+B.FL
004636	6144776777		SB.ESTAB	B.ESTAB-BASESIZE

56324
 73130
 004637 21322 73030
 21322
 13415
 004640 0304004653 66467
 004641 6231002222 57443
 004642 6144775771 73510
 76100
 004643 0100000435
 004644 56000 43652
 11664
 004645 0100000437
 004646 6235000215 57143
 73310
 004647 0333005002 0100000433
 004650 10144 0100000435
 004651 6144001006 56124
 21144
 004652 73310
 004653 6235001223 6122000001
 004654 57143 7243777776
 004655 0304004635 63310
 53236
 004656 43752 10177
 20717
 10477
 004657 20717 36000
 004660 63400 0240004661
 004661 73623 11212
 15661
 004662 12662 53636
 0200004670
 004663 15624 21617
 73663

PRADR

OLDENT

+

RELOC DNE

SA3 B2+B.ESTAB GET NEXT EXTERNAL
 SX1 X3 GET ENTRY PT INDEX
 AX3 18
 SX0 X3 GET RELOC
 AX3 18
 BX4 X1-X5
 ZR X4,OLDENT
 SB.ESTAB B.RA+B.FL
 SB3 X1-1+ENTRYTAB
 SA4 B.ESTAB-B3 GET ENTRY NAME
 SB.ESTAB B.ESTAB-IOFET
 SX5 X1
 SX1 B0
 RJ LPUTB END OF LINE
 SA0 B0
 MX6 42
 BX6 X6*X4
 RJ BLKZERO BLANK ZEROES
 SB3 X5+ENTRYTAB-IOFET
 SA1 B.ESTAB-B3
 SX3 X1
 NG X3,UNSAT SENSE UNDEFINED EXTERNAL
 RJ OCTBCD
 BX1 X4
 RJ LPUTB
 SB.ESTAB B.ESTAB+IOFET-BASESIZE
 SA1 B.B+B.ESTAB GET EXTERNAL REFERENCE AGAIN
 AX1 36
 SX3 X1 GET ABSOLUTE ADDRESS AGAIN
 SB3 X5+ENTRYTAB-BASESIZE
 SB2 B2+1
 SA1 B.ESTAB-B3 GET ENTRY INFO
 SX4 X3-1
 ZR X4,DOEXTL IGNORE LOCATION 1
 SB3 X1
 SA2 B.RA+X3 GET WORD TO BE RELOCATED
 MX7 42
 BX1 X7
 LX7 15
 BX4 X7
 LX7 15
 IX0 X0+X0
 SB.ESTAB X0
 JP **1+B.ESTAB
 SX6 X2+B3 LOWER
 BX2 X1*X2
 BX6 -X1*X6
 BX6 X6*X2
 SA6 B.RA+X3 STORE WORD
 JP PRINTXT
 BX6 -X4*X2 MIDDLE
 AX6 15
 SX6 X6+B3

20617
004664 15664
11242
0200004662
004665 15627
21636
73663
20636
004666 15667
11272
0200004662
004667 0200005127
004670 0100000433
004671 10144
66467
6144775771
004672 0100000435
004673 5000000001
7010777770
004674 0331004635
76100
004675 0100000435
004676 5110005012
0100000435
004677 0100000435
004700 56000
0200004635
004701 66467
5114775560
43052
004702 11301
6144775771
76100
004703 0100000435
004704 56070
66467
5124775562
004705 73620
5110001444
004706 0311004707
5166000065
004707 6144775771
56140
73210
004710 13112
7170000024
12771
004711 56740
7160031117
77746
004712 20602
20650
12667

PRINTTEXT

ALLDONE

+

LX6 15
BX6 -X4*X6
BX2 X4*X2
JP RELOCDNE
BX6 -X7*X2 UPPER
AX6 30
SX6 X6+B3
LX6 30
BX6 -X7*X6
BX2 X7*X2
JP RELOCDNE
JP BADTABLE
RJ OCTBCD
BX1 X4
SB*ESTAB B.RA+B.FL
SB*ESTAB B.ESTAB-IOFET
RJ LPUTB
SA0 A0+1
SX1 A0-7
NG X1*DOEXTL LOOPBACK
SX1 B0
RJ LPUTB GO TO NEXT LINE
SA1 TENBLNK
RJ LPUTB
RJ LPUTB
SA0 B0
JP DOEXTL
SB*ESTAB B.RA+B.FL
SA1 B.ESTAB-ENTRYADR
MX0 42
BX3 X0*X1
SB*ESTAB B.ESTAB-IOFET
SX1 B0
RJ LPUTB
SA0 B.FL
SB*ESTAB B.RA+B.FL
SA2 B.ESTAB-CURRADR
SX6 X2
SA1 OVLYF
NZ X1*B1 SENSE OVERLAY IN BROGRESS
SA6 B.RA+65B PUT LWA LOAD INTO 65B
SB*ESTAB B.ESTAB-IOFET
SA1 B.ESTAB
SX2 X1
BX1 X1-X2
SX7 24B
BX7 X7*X1
SA7 B.ESTAB
SX6 3RCIO
SX7 B.ESTAB-B.RA
LX6 2
LX6 40
BX6 X6*X7

004713	5160001431		SA6	.REQ	
004714	7127775563		SCOPE		
	13667		SX2	B.FL-EXTFET	
	12662		BX6	X6-X7	
004715	53126		BX6	X6+X2	
	7140000114		SA1	B.RA+X2	
	43752		SX4	1148	
004716	11771		MX7	42	
	12774		BX7	X7*X1	
	53726		BX7	X7+X4	
004717	5160001431		SA7	B.RA+X2	
			SA6	.REQ	
004720	7160220314		SCOPE		
	20652		SX6	3RRCL	
004721	5160001431		LX6	42	
			SA6	.REQ	
004722	5110001444		SCOPE		
	0311004744		SA1	OVLYF	
004723	0303004734		NZ	X1:GENOVLY	
	6120000001		ZR	X3:GETABS	
004724	0100000451		SB2	1	
004725	0720005150		RJ	SRCHENT	
	56140		NG	B.B:NOTINTAB	
	73610		SA1	B.ESTAB	
004726	5160000727		SX6	X1	
	0200002357		SA6	.ENTRY	
004727	73610	CALLABS	JP	XGO	
	56070		SX6	X1	
	76700		SA0	B.FL	
004730	5170000514		SX7	B0	
	5170000522		SA7	.LIBLOAD	
004731	5160001455		SA7	.LOADER	CLEAR FLAGS
	6110000045		SA6	PCNTER	
004732			SB1	N.CAPAB	ENTER WITH B1 SET TO ECS FILE
004733			XJ	SETPCNT	
004734	5117003041	GETABS	XJ	.RETURN	
	73610		SA1	.RA+B.FL-ENTRYADR	
004735	5160000727		SX6	X1	
	0311002357		SA6	.ENTRY	
004736	6120004737	+	NZ	X1:XGO	
	0200001574		SB2	*+1	
004737			JP	MAINDR	
004744	76600	GENOVLY	ASCII	(NO TRANSFER ADDRESS)	
	54610		SX6	B0	
	5160000514		SA6	A1	
004745	5160000522		SA6	.LIBLOAD	
	5117003043		SA6	.LOADER	
004746	73610		SA1	.RA+B.FL-CURRADR	
	5160001451		SX6	X1	
004747	5110000527		SA6	OVLYWC	STORE WORD COUNT
	5021000001		SA1	.PAR+1	
004750	66600		SA2	A1+1	
			SB6	B0	

004751	5160000750	6170000036	SR7	S.TEMPC	
		76670	SX6	B7	
004752		6110000425	SA0	.SYSCALL+P.CAP	
004753	6121776566		SB1	STARTSCR	
		6110000001	XJ	CALLBEAD	
004754			SR2	B1=.DIRECT	
004755	0100000455		SB1	1	
004756	6160000001		XJ	WRITOVLY,1	
		6110000425	RJ	GETBLK	
004757			SR6	1	
004760	6120004761		SB1	STARTSCR	
		0200001574	XJ	CALLBEAD	UPDATE DIRECTORY
004761			SB2	**1	
004764	43766		JP	MAINDR	
		6130000012	ASCI	WRITTEN	
004765	20606		MX7	54	
		15267	SB3	10	
004766	0312004767		LX6	6	
		7120000055	BX2	-X7*X6	
004767	12662		NZ	X2,**1	
		6133777776	SX2	1R	
004770	0530004765		BX6	X6*X2	
		20666	SB3	R3-1	
004771	0100000453		NZ	B3*BLKLOOP	
004772	0400000437		LX6	54	INSERT CARRAIGE CONTROL
004773	10611		RJ	PUTB	
		0100000453	EQ	BLKZERO	
004774	0200000435		BX6	X1	
004775	6130000006		RJ	PUTB	
		43171	JP	LPUTB	
004776	5140005005		SB3	6	
004777	15231		MX1	57	
		7222000033	SA4	BLNK4	
		12442	BX2	-X1*X3	GET NEXT DIGIT
005000	20466		SX2	X2*1R0	CONVERT TO OCTAL
		21303	BX4	X4*X2	
005001	0530004777		LX4	54	
		0200000433	AX3	3	
005002	5140005004		SB3	B3-1	
		0200004650	NZ	B3*PRCNV	
005003	17252420252400000001		JP	OCTBCD	
005004	47474747474755555555		SA4	ASTERS	
005005	55555555000000000000		JP	PRADR	
005006	55555555242201162306		VFD	42/6LOUTPUT,18/1	
005007	05225520171116246355		DIS	1,*****	
005010	55221717155514050624		DATA	4L	
005011	14270155141701046355		DATA	7A TRANSF	
005012	55555555555555555555		DIS	1,ER POINT:	
005013	33062701141701046355		DATA	10H ROOM LEFT	
005014	24051520061114000000		DIS	1,LWA LOAD:	
			DIS	1,	
			DIS	1,0FWALOAD:	
			DATA	0LTEMPFIL	

W R A P U P

005015	34141701045515012055	.HEAD	DIS	5,1LOAD MAP	TSS 6400 SCOPE SIMULATOR #VER#
005022	00000000000000000000		DATA	0	
005023	00000000000000000000	.SUBHD	DATA	0	
005024	00000000000000000000		DATA	0	
005025	33151704251405235514		DIS	3,0MODULES LENGTH	AT ADDRESS
005030	55555555555555555555		DATA	10H	
005031	24312005555555555555		DATA	10HTYPE	
005032	00000000000000000000		DATA	0	
005033	33051624223155555555	EPR	DIS	1,0ENTRY	
005034	01040422052323555555		DIS	1,ADDRESS	
005035	22050605220516030523		DIS	1,REFERENCES	
005036	55012455555555555555		DIS	1, AT	
005037	00000000000000000000		DATA	0	
005040	55555555031715151716	ATYPETAB	DATA	6ACOMMON	
005041	55555555555555232502		DATA	3ASUB	
005042	55021417031300000000	BTYPETAB	DATA	6L BLOCK	
005043	55202217072201150000		DATA	8L PROGRAM	

005044		UERRORCT	XJ	SAVMSG
005045			JIMGREY	LINEOUT,BCT
005047			XJ	RSTMSG
005050	36645		IX6	X4+X5
	5164777563		SA6	R.ESTAB-BLNKCOML+IOFET
005051	0200004512		JP	RCTRY TRY AGAIN
005052		BCT	ASCII	(BLANK COMMON TRUNCATED BY LOADER)
005061	6120005062	E.AOR	SB2	E.AORMSG
	0200005216		JP	EXEP
005062		E.AORMSG	ASCII	(REQ PTR > FL)
005066	6120005070	E.BIGMEM	SB2	**2
	0200005216		JP	EXEP
005067			ASCII	(MEM REQ > 50000)
005073	6120005074	E.PPCALL	SB2	E.PPMSG
	0200005216		JP	EXEP
005074		E.PPMSG	ASCII	(PP CALL ERROR)
005100	6120005101	E.CIOFCN	SB2	E.CIOMSG
	0200005216		JP	EXEP
005101		E.CIOMSG	ASCII	(INVALID FET REQUEST)
005106	6120005107	E.ILLREW	SB2	E.REWMSG
	0200005216		JP	EXEP
005107		E.REWMSG	ASCII	(REWIND GIVEN ON FILE THAT HAS OPEN LOGICAL RECORD)
005120	6120005121	DUPPROG	SB2	DUPBCD
	0200005216		JP	EXEP
005121		DUPBCD	ASCII	(DUPLICATE PROGRAM IN LOAD FILE)
	0005127	BADTABLE	EQU	*
005127	6120005130	TABERR	SB2	TABBCD
	0200005216		JP	EXEP
005130		TABBCD	ASCII	(LOADER TABLE ERROR)
005135	6120005136	UERRORLA	SB2	LABCD
	0200005216		JP	EXEP
005136		LABCD	ASCII	(LOAD ADDRESS IS NEGATIVE)
005144	6120005145	UERRORFL	SB2	FLBCD
	0200005216		JP	EXEP
005145		FLBCD	ASCII	(TOO BIG)
005150	6120005151	NOTINTAB	SB2	NOTBCD
	0200005216		JP	EXEP
005151		NOTBCD	ASCII	(NO ENTRY FOR TRANSFER)
005156	6120005157	E.BPE	SB2	E.BPEMSG
	0200005216		JP	EXEP
005157		E.BPEMSG	ASCII	(BAD FET)
005162	6120005163	UERRORBC	SB2	**1
	0200005216		JP	EXEP
005163			ASCII	(LOAD OR RELOCATION ATTEMPTED ON BLANK COMMON)
005173	6120005174	E.READ	SB2	E.READMS
	0200005216		JP	EXEP
005174		E.READMS	ASCII	(UNEXPECTED EOI OR NULL FILE)
005202	6120005203	E.WRITE	SB2	E.WRITMS
	0200005216		JP	EXEP
005203		E.WRITMS	ASCII	(BLOCK DELETED FROM FILE)
005210	6120005211	E.PARLNG	SB2	E.PARMSG
	0200005216		JP	EXEP
005211		E.PARMSG	ASCII	(PAR > 10 CHARS)

005215	6120003174	BADFMT	SR2	FMTMSG
	0200005216		JP	EXEP
005216	7160000000	EXEP	SX6	0
	5160000514		SA6	.LIBLOAD
005217	5160000522		SA6	.LOADER
	5160000620		SA6	.QUEUEP
005220	0200001574		JP	MAINDR

005221	00000000000000000032	.RETURN	VFD	60/S.RETURN
005222	00000000000000000022	.SAVLOAD	VFD	60/S.SAVREG
005223	00000000000000000052		VFD	60/.LDRPACK
005224	00000000000000000016	.RSTLOAD	VFD	60/S.RSTREG
005225	00000000000000000052		VFD	60/.LDRPACK
005226	00000000000000000022	.SAVREG	VFD	60/S.SAVREG
005227	0000000000000000001411		VFD	60/.XJPACK
005230	00000000000000000016	.RSTREG	VFD	60/S.RSTREG
005231	0000000000000000001411		VFD	60/.XJPACK
005232	000000000000000000030	.MAKE	VFD	60/S.CSPROC
005233	000000000000000000023		VFD	60/S.CLASS2
005234	000000000000000000015		VFD	60/S.CLASS
005235	000000000000000000001		VFD	60/1 MAP ENTRIES
005236	000000000000000000123		VFD	60/IP.MAXFL/256+5
005237	0000000000000000047000		VFD	60/IP.MAXFL
005240	000000000000000000077		VFD	60/77B
005241	000000000000000000012		VFD	60/S.CLIST
005242	000000000000000000004	.WRITFIL	VFD	60/S.WRITE
005243	000000000000000000024		VFD	60/S.CORE
005244	000000000000000000077		VFD	60/77B
005245	0000000000000000001543		VFD	60/CALLSCP
005246	000000000000000000002		VFD	60/2
005247	000000000000000000027	.CALL	VFD	60/S.CALL
005250	23031720050000000000	SCOP	DATA	0LSCOPE
005251	230000000000000000000	S	DATA	0LS
005252	000000000000000000003	READVITL	VFD	60/S.READ
005253	000000000000000000024		VFD	60/S.CORE
005254	0000000000000000000431		VFD	60/STARTSCR+4
005255	0000000000000000000431		VFD	60/STARTSCR+4
005256	0000000000000000001031		VFD	60/ENDSCR-STARTSCR-4
005257	000000000000000000001	CALLREAD	VFD	60/1
005260		.RA	BSS	0 START OF USER AREA
000000			END	

17422 STATEMENTS

746 SYMBOLS

NO FATAL, 3 NON-FATAL ERRORS IN SCOPE

3 TYPE ERROR	DUPLICATE MACRO DEFINITION. NEW ONE OVERRIDES
OCCURRED ON PAGES	8
9 TYPE ERROR	MICRO SUBSTITUTION ERROR OR ; CONVERTED TO -
OCCURRED ON PAGES	2, 27

A	0000001	72-04176, 79-04315, 79-04315, 85-04457, 85-04457
ABSLOAD	0004253	76-04256
ABSOVER	0004250	69-04144
ABT	0002512	31-02474
ABMSG	0002517	33-02513
ADDCAR	0003432	54-03447, 54-03451, 54-03463
ALLDONE	0004701	91-04611, 91-04633
ASCII	0000000	8-01464, 8-01465, 8-01465, 9-01540, 9-01541, 9-01541, 11-01626, 11-01627, 11-01627, 18-02051, 22-02177, 22-02200, 22-02201, 22-02213, 22-02214, 22-02214, 24-02253, 24-02261, 29-02441, 38-02625, 38-02625, 44-03007, 44-03010, 44-03011, 44-03012, 44-03012, 44-03012, 44-03013, 49-03176, 49-03177, 49-03200, 49-03200, 49-03201, 49-03201, 49-03206, 49-03207, 49-03210, 49-03210, 49-03211, 49-03211, 49-03226, 49-03227, 49-03230, 49-03231, 49-03232, 49-03233, 52-03357, 52-03360, 56-03524, 56-03552, 56-03553, 56-03554, 56-03555, 56-03556, 56-03557, 59-03661, 59-03662, 59-03663, 59-03664, 59-03665, 59-03671, 59-03672, 59-03673, 94-04741, 94-04742, 97-05054, 97-05055, 97-05056, 97-05057, 97-05064, 97-05064, 97-05065, 97-05071, 97-05071, 97-05072, 97-05076, 97-05076, 97-05103, 97-05104, 97-05111, 97-05112, 97-05112, 97-05113, 97-05114, 97-05114, 97-05115, 97-05116, 97-05124, 97-05125, 97-05125, 97-05126, 97-05132, 97-05133, 97-05140, 97-05141, 97-05141, 97-05147, 97-05153, 97-05154, 97-05154, 97-05161, 97-05165, 97-05165, 97-05167, 97-05170, 97-05171, 97-05177, 97-05177, 97-05200, 97-05200, 97-05205, 97-05206, 97-05207, 98-05213, 98-05213, 98-05214
ASCIIA	0000041	9-01541, 11-01626, 11-01627, 11-01630, 14-01751, 18-02052, 21-02172, 22-02177, 22-02201, 24-02252, 24-02260, 25-02304, 33-02521, 44-03007, 44-03010, 44-03012, 49-03206, 49-03210, 49-03230, 56-03554, 59-03662, 59-03672, 67-04074, 94-04741, 94-04742, 97-05056, 97-05057, 97-05076, 97-05103, 97-05113, 97-05114, 97-05116, 97-05123, 97-05124, 97-05125, 97-05132, 97-05133, 97-05140, 97-05140, 97-05142, 97-05154, 97-05161, 97-05165, 97-05166, 97-05167, 97-05171, 98-05213, 98-05214
ASCIIB	0000042	21-02172, 33-02521, 97-05054, 97-05056, 97-05133, 97-05147, 97-05161, 97-05171, 97-05205
ASCIIC	0000043	8-01464, 14-01751, 22-02177, 22-02201, 29-02441, 49-03201, 49-03231, 49-03232, 49-03233, 56-03555, 56-03556, 56-03557, 59-03663, 59-03664, 59-03665, 97-05054, 97-05056, 97-05076, 97-05115, 97-05116, 97-05123, 97-05166, 97-05171, 97-05176, 97-05205, 98-05214
ASCIID	0000044	9-01541, 14-01751, 18-02052, 20-02127, 21-02172, 22-02200, 22-02215, 24-02242, 25-02305, 33-02524, 44-03007, 44-03014, 49-03177, 49-03201, 49-03210, 49-03233, 56-03552, 56-03557, 59-03665, 67-04074, 67-04074, 94-04742, 94-04742, 97-05056, 97-05057, 97-05103, 97-05111, 97-05117, 97-05123, 97-05126, 97-05132, 97-05140, 97-05140, 97-05140, 97-05161, 97-05165, 97-05170, 97-05177, 97-05205, 97-05206
ASCIIE	0000045	8-01465, 8-01466, 9-01540, 9-01540, 9-01541, 9-01542, 11-01626, 11-01630, 11-01630, 14-01751, 14-01751, 18-02051, 18-02051, 18-02052, 20-02136, 21-02172, 22-02200, 22-02201, 22-02202, 22-02213, 22-02213, 22-02214, 22-02215, 24-02242, 24-02242, 24-02252, 24-02252, 24-02260, 24-02260, 25-02304, 25-02304, 25-02304, 29-02441, 29-02441, 29-02442, 29-02445, 33-02524, 38-02626, 44-03007, 44-03010, 44-03012, 44-03014, 44-03014, 44-03014, 49-03176, 49-03177, 49-03177, 49-03200, 49-03206, 49-03207, 49-03210, 49-03212, 49-03226, 49-03226, 49-03227, 49-03230, 49-03231, 49-03232, 49-03233, 52-03357, 52-03360, 52-03360, 56-03524, 56-03552, 56-03553, 56-03553, 56-03554, 56-03556, 56-03556, 56-03556, 56-03560, 59-03662, 59-03663, 59-03664, 59-03665, 59-03672, 59-03672, 59-03673, 64-04012, 67-04074, 94-04742, 94-04743, 95-04763, 97-05056, 97-05057, 97-05064, 97-05071, 97-05071, 97-05077, 97-05104, 97-05104, 97-05105, 97-05111, 97-05112, 97-05113, 97-05115, 97-05116, 97-05124, 97-05126, 97-05132, 97-05133, 97-05133, 97-05141, 97-05142, 97-05142, 97-05153, 97-05155, 97-05161, 97-05166, 97-05167, 97-05170, 97-05176, 97-05176, 97-05177, 97-05177, 97-05177, 97-05201, 97-05205, 97-05206, 97-05207
ASCIIF	0000046	18-02051, 20-02127, 20-02136, 22-02201, 22-02213, 24-02253, 24-02253, 38-02625, 44-03010, 49-03177, 49-03211, 52-03357, 59-03672, 64-04012, 94-04742, 97-05065, 97-05104, 97-05113, 97-05126, 97-05154, 97-05155, 97-05161, 97-05200, 97-05206, 97-05207

ASCIIG	0000047	20-02136, 22-02214, 24-02252, 24-02260, 25-02304, 38-02625, 44-03007, 44-03011, 49-03230,
		56-03554, 59-03664, 59-03671, 97-05111, 97-05115, 97-05124, 97-05142, 97-05147
ASCIIM	0000050	11-01626, 18-02051, 29-02441, 49-03201, 49-03231, 56-03555, 59-03663, 97-05113, 97-05114,
		98-05214
ASCIIM	0000051	9-01540, 18-02051, 21-02172, 22-02177, 22-02200, 22-02201, 22-02213, 22-02214, 44-03007,
		44-03011, 44-03011, 44-03012, 44-03013, 49-03177, 49-03201, 49-03207, 49-03211, 49-03226,
		49-03227, 49-03230, 49-03233, 52-03357, 52-03360, 56-03524, 56-03524, 56-03525, 56-03552,
		56-03553, 56-03555, 56-03557, 59-03661, 59-03661, 59-03662, 59-03664, 59-03671, 59-03671,
		59-03673, 95-04763, 97-05103, 97-05103, 97-05111, 97-05112, 97-05113, 97-05115, 97-05123,
		97-05125, 97-05126, 97-05141, 97-05142, 97-05147, 97-05166, 97-05177, 97-05201
ASCIIM	0000053	13-01734, 52-03661, 59-03671, 97-05054, 97-05171, 97-05205
ASCIIL	0000054	14-01751, 18-02051, 22-02177, 22-02177, 22-02200, 22-02201, 22-02213, 44-03013, 49-03177,
		49-03211, 49-03212, 49-03227, 49-03230, 49-03230, 52-03360, 56-03524, 56-03524, 56-03554,
		56-03554, 56-03554, 59-03661, 59-03661, 59-03662, 67-04074, 97-05054, 97-05057, 97-05065,
		97-05076, 97-05076, 97-05103, 97-05113, 97-05115, 97-05116, 97-05123, 97-05125, 97-05126,
		97-05132, 97-05133, 97-05140, 97-05165, 97-05166, 97-05171, 97-05200, 97-05200, 97-05201,
		97-05205, 97-05206, 97-05207
ASCIIM	0000055	9-01541, 11-01626, 11-01630, 22-02215, 24-02252, 24-02260, 38-02625, 38-02625, 44-03013,
		44-03014, 49-03209, 52-03357, 56-03524, 97-05055, 97-05055, 97-05071, 97-05071, 97-05125,
		97-05167, 97-05172, 97-05172, 97-05207
ASCIIN	0000056	9-01540, 11-01627, 20-02127, 20-02127, 20-02137, 21-02172, 22-02213, 24-02261, 25-02304,
		33-02524, 44-03007, 44-03011, 44-03013, 44-03014, 49-03200, 49-03200, 49-03210, 49-03211,
		49-03232, 56-03524, 56-03552, 56-03556, 59-03663, 59-03672, 64-04012, 94-04741, 94-04741,
		95-04763, 97-05054, 97-05055, 97-05056, 97-05103, 97-05111, 97-05112, 97-05112, 97-05115,
		97-05125, 97-05142, 97-05153, 97-05153, 97-05155, 97-05167, 97-05170, 97-05171, 97-05172,
		97-05176, 97-05200
ASCIIO	0000057	8-01464, 11-01626, 13-01734, 20-02127, 20-02127, 20-02136, 20-02136, 21-02172, 22-02215,
		24-02242, 24-02253, 24-02261, 29-02441, 33-02521, 44-03011, 44-03012, 44-03013, 49-03177,
		49-03200, 49-03207, 49-03210, 49-03211, 49-03233, 56-03557, 59-03665, 67-04074, 94-04741,
		97-05054, 97-05055, 97-05057, 97-05077, 97-05112, 97-05114, 97-05115, 97-05116, 97-05124,
		97-05125, 97-05132, 97-05134, 97-05140, 97-05147, 97-05147, 97-05153, 97-05154, 97-05165,
		97-05165, 97-05166, 97-05167, 97-05170, 97-05171, 97-05172, 97-05177, 97-05177, 97-05205,
		97-05207
ASCIIOG	0000000	2-00425, 2-00127, 2-00267, 2-00130, 2-00270, 2-00131, 2-00271, 2-00132, 2-00272,
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		2-00155, 2-00315, 2-00156, 2-00316, 2-00157, 2-00317, 2-00160, 2-00320, 2-00161,
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		2-00166, 2-00253, 2-00167, 2-00254, 2-00170, 2-00255, 2-00171, 2-00256, 2-00172,
		2-00257, 2-00177, 2-00236, 2-00200, 2-00237, 2-

SCOPE	VER 2.06	SCOPE SIMULATOR	01 JAN 84	00:00:00	PAGE NO. 103
	SYMBOLIC REFERENCE TABLE	(PAGE-LOCATION)			
ASCIIR	0000062	8-01465, 9-01540, 11-01626, 11-01627, 11-01630, 14-01751, 20-02136, 24-02242, 25-02304, 29-02442, 33-02521, 38-02626, 38-02626, 44-03007, 44-03010, 44-03010, 44-03011, 49-03202, 49-03207, 49-03210, 49-03226, 49-03226, 49-03231, 49-03231, 49-03232, 52-03360, 56-03552, 56-03552, 56-03555, 56-03555, 56-03557, 59-03663, 59-03663, 59-03664, 59-03672, 59-03673, 64-04012, 64-04012, 94-04741, 94-04742, 94-04742, 95-04763, 97-05055, 97-05057, 97-05064, 97-05064, 97-05071, 97-05077, 97-05077, 97-05077, 97-05104, 97-05111, 97-05116, 97-05116, 97-05124, 97-05124, 97-05132, 97-05133, 97-05133, 97-05134, 97-05141, 97-05153, 97-05154, 97-05154, 97-05155, 97-05165, 97-05166, 97-05200, 97-05206, 98-05213, 98-05214			
ASCIIS	0000063	8-01464, 8-01464, 8-01464, 11-01630, 18-02052, 22-02200, 22-02202, 24-02252, 24-02252, 24-02260, 24-02260, 29-02441, 29-02445, 38-02625, 49-03176, 49-03176, 49-03200, 49-03227, 49-03232, 56-03553, 56-03556, 59-03661, 59-03664, 59-03671, 94-04741, 94-04743, 94-04743, 97-05105, 97-05114, 97-05141, 97-05141, 97-05141, 97-05141, 97-05155, 98-05214, 8-01464, 9-01540, 9-01540, 9-01541, 11-01626, 11-01630, 18-02052, 20-02127, 20-02136			
ASCIIT	0000064	20-02136, 21-02172, 22-02201, 25-02304, 29-02445, 33-02521, 38-02625, 44-03010, 44-03011, 44-03012, 44-03013, 44-03014, 49-03176, 49-03176, 49-03200, 49-03201, 49-03206, 49-03206, 49-03207, 49-03207, 49-03226, 49-03227, 49-03231, 49-03232, 49-03233, 52-03357, 52-03360, 56-03526, 56-03553, 56-03555, 56-03556, 56-03557, 59-03662, 59-03664, 59-03665, 59-03672, 59-03673, 64-04012, 94-04741, 95-04763, 95-04763, 97-05055, 97-05056, 97-05064, 97-05104, 97-05105, 97-05113, 97-05114, 97-05123, 97-05132, 97-05142, 97-05147, 97-05153, 97-05154, 97-05161, 97-05166, 97-05167, 97-05167, 97-05170, 97-05176, 97-05206			
ASCIIU	0000065	18-02052, 20-02127, 22-02177, 22-02200, 49-03227, 49-03231, 49-03232, 56-03555, 56-03556, 59-03663, 59-03664, 64-04012, 97-05055, 97-05104, 97-05123, 97-05176, 97-05200			
ASCIIV	0000066	8-01465, 22-02214, 59-03671, 97-05103, 97-05112, 97-05142			
ASCIIW	0000067	22-02177, 22-02213, 44-03010, 49-03201, 49-03207, 49-03226, 49-03230, 52-03360, 56-03552, 56-03554, 59-03662, 59-03673, 95-04763, 97-05111			
ASCIIX	0000070	18-02051, 49-03176, 97-05176			
ASCIY	0000071	49-03176, 49-03211, 49-03233, 52-03357, 56-03557, 59-03665, 97-05057, 97-05153			
ASCIIZ	0000072	24-02242			
ASCIIO	0000020	8-01466, 11-01627, 97-05072, 97-05072, 97-05072, 97-05072, 98-05213			
ASCIIL	0000021	98-05213			
ASCIIL	0000022	8-01465, 11-01627			
ASCIIS	0000025	97-05072			
ASCIIS	0000026	8-01466			
ASCIIL	0000016	8-01465, 22-02214, 22-02214			
ASCIIL	0000006	97-01541			
ASCIIL	0000036	97-05065, 97-05072, 98-05213			
ASKDATE	0002533	34-02527			
ASTERS	0005004	95-05002			
ATYPETAB	0005040	89-04552, 90-04565			
B	0000002	70-04170, 81-04362, 85-04462, 92-04651, 94-04725			
BACK	0003651	58-03645			
BADFMT	0005215	55-03501, 55-03504, 55-03510, 57-03574			
BADTABLE	0005127	83-04431, 93-04667			
BASESIZE	0001000	3-00425, 70-04154, 72-04177, 72-04203, 72-04205, 79-04320, 79-04324, 81-04364, 82-04377, 82-04403, 82-04414, 85-04444, 85-04453, 85-04457, 91-04614, 91-04617, 91-04621, 91-04623, 91-04636, 92-04651, 92-04653			
BCN	0004075	66-04042			
BCT	0005052	97-05045			
BCTRY	0004512	97-05051			
BEGREPL	0004165	70-04164			
BFEMPT	0003464	53-03422			
BKSP	0003655	43-02756, 43-02757			
BLKLOOP	0004765	95-04770			

BLKSDNE	0001523	8-01514	
BLKZERO	0000437	89-04542, 92-04645, 95-04772	
BLKZEROG	0004764	5-00440	
BLNKCOM	0004465	85-04446	
BLNKCOML	0002222	3-00425, 85-04465, 85-04466, 88-04512, 88-04522, 90-04557, 90-04561, 97-05050	
BLNK4	0005005	95-04776	
BLNK7	0004440	85-04442	
BRING	0002514	33-02511	
BTYPETAB	0005042	89-04554, 90-04569	
BUFFEMPT	0004341	80-04333	
BUFFFILL	0004266	77-04264	
C	0000003	70-04167, 77-04257, 77-04271, 81-04362, 83-04425, 89-04545	
CALLABS	0004727	28-02403	
CALLBEAD	0005257	8-01472, 8-01479, 8-01500, 8-01512, 11-01575, 11-01601, 13-01725, 14-01743, 16-01773, 18-02022, 18-02044, 19-02070, 19-02102, 21-02146, 21-02164, 22-02205, 26-02317, 27-02355, 37-02562, 37-02564, 38-02615, 38-02633, 39-02666, 57-03614, 61-03720, 95-04752, 95-04757, 97-05046	
		29-02411, 29-02419	
CALLED	0001533	9-01533	
CALLED2	0001525	19-02054	
CALLEND	0002075	99-05245	
CALLSCP	0001543	27-02367, 27-02370	
CC1	0002362	27-02364	
CC2	0002367	27-02364	
CC3	0002371	27-02363	
CC4	0002376	28-02400	
CC5	0002401	28-02376	
CDCTTY	0000125	2-00425, 2-00267, 2-00270, 2-00271, 2-00272, 2-00273, 2-00274, 2-00275, 2-00276, 2-00277, 2-00300, 2-00301, 2-00302, 2-00303, 2-00304, 2-00305, 2-00306, 2-00307, 2-00310, 2-00311, 2-00312, 2-00313, 2-00314, 2-00315, 2-00316, 2-00317, 2-00320, 2-00246, 2-00247, 2-00250, 2-00251, 2-00252, 2-00253, 2-00254, 2-00255, 2-00256, 2-00257, 2-00236, 2-00237, 2-00232, 2-00263, 2-00226, 2-00244, 2-00231, 2-00321, 2-00323, 2-00260, 2-00227, 2-00234, 2-00324, 2-00230, 2-00262, 2-00264, 2-00233, 2-00265, 2-00322, 2-00241, 2-00243, 2-00240, 2-00245, 2-00242, 2-00235, 2-00325, 2-00266, 38-02613, 53-03427	
		85-04442, 85-04460, 87-04473	
CGETONE	0000441	5-00442	
CGETONEG	0004471	10-01546	
CHGUP	0001550	91-04624	
CHKAORS	0004631	11-01622	
CHKB4	0001615	47-03121, 47-03135, 48-03161	
CHKB5	0003123	47-03123	
CHKB7	0003116	39-02661	
CHKDUP	0002657	72-04214	
CHKMID	0004225	78-04276	
CHKNAME	0004304	47-03125, 47-03134	
CHKNEW	0003115	26-02333	
CHKOVLY	0002343	37-02574	
CHKX4	0002577	31-02475, 32-02505, 42-02715, 62-03747	
CIO	0002722	42-02730, 43-02772	
CIOCALLS	0002752	42-02726, 43-02772	
CIOFCN	0002731	45-03053, 46-03070, 51-03325, 52-03353, 57-03573, 57-03610	
CIOR	0003077		
CIOSRCH	0002726	42-02727	
CLEARSCP	0002104	19-02075	

CMDFILE	0000741	18-02020, 18-02043
CMDFILP	0000745	18-02023, 18-02024, 18-02042
CMDSW	0000740	9-01530, 11-01577, 18-02016, 18-02045
CNVONE	0001631	11-01621, 12-01632
COMBKADR	0002216	3-00425, 67-04066, 85-04461, 88-04475
COMCONV	0001755	15-01757
COMO	0001644	12-01634, 13-01723
COMDJ	0001674	12-01637, 13-01723
COMSET	0001753	13-01722
CONVDEC	0001754	15-01753, 15-01763
COREFIL	0000707	8-01510, 8-01513, 10-01551, 19-02100
CORENAM	0000721	8-01507
CURRADR	0002215	3-00425, 67-04063, 72-04203, 72-04205, 85-04445, 86-04474, 88-04512, 88-04522, 90-04563, 93-04704, 94-04748
DATE	0001460	17-02011, 34-02533
DATESET	0002010	13-01717
DEBUG	0001724	12-01710
DETAIL	0004413	82-04376
DETAILL	0004364	81-04355
DMPQUEUE	0000612	31-02470, 42-02720
DOEXT	0004633	91-04620
DOEXTL	0004635	92-04655, 93-04674, 93-04700
DONE	0002053	12-01706
DONEL	0002054	19-02056, 19-02074
DONEL2	0002071	19-02060
DUMMY	0002553	31-02476
DUPBCD	0005121	97-05120
DUPBLOCK	0004463	85-04450
DUPPROG	0005120	85-04463
D.FILADR	0000002	22-02222, 44-03016, 45-03050, 45-03054, 45-03063, 46-03101, 48-03144, 49-03235, 50-03250, 50-03264, 50-03270, 51-03326, 52-03347, 52-03375, 53-03405, 55-03474, 55-03477, 56-03526, 57-03572, 57-03574, 57-03607, 58-03625, 58-03630, 58-03634, 58-03636, 62-03750, 25-02272, 25-02273, 49-03216, 64-03775
D.MAX	0000003	44-02775, 46-03072, 49-03213, 55-03515, 56-03541, 57-03620
D.TYPE	0000000	13-01721
ECS	0001770	16-01770
ECSFN	0001766	16-01770
ECSUN	0001767	16-01770
END	0002510	12-01705, 31-02473
ENDBLK	0003161	48-03155
ENDCONV	0001761	15-01753
ENDCONVX	0001760	15-01756
ENDFILE	0002043	18-02034, 18-02038
ENDLINE	0003146	47-03121
ENDLOAD	0004067	80-04330
ENDMSG	0002522	33-02511
ENDPAR	0001617	11-01607, 11-01610, 11-01611, 11-01612, 11-01613
ENDSCR	0001462	1-00011, 1-00032, 1-00036, 1-00037, 1-00040, 99-05256
ENDSSTR	0003136	49-03166, 49-03171
ENTER	0004076	12-01700, 68-04127
ENTINTAB	0004362	81-04361
ENTR	0004307	69-04137
ENTRL	0004310	79-04315, 79-04325
ENTRYADR	0002217	3-00425, 67-04066, 67-04101, 74-04243, 76-04250, 89-04530, 93-04701, 94-04734

SCOPE	VER 2.06	SCOPE SIMULATOR	01 JAN 84 00:00:00	PAGE NO. 106
	SYMBOLIC REFERENCE TABLE	(PAGE-LOCATION)		
ENTRYN	0002221	3-00425, 68-04111, 68-04114		
ENTRYTAB	0002223	66-04042, 67-04064, 67-04103, 78-04275, 79-04322, 81-04362, 88-04475, 88-04515, 89-04536, 91-04621, 91-04623, 92-04641, 92-04646, 92-04653		
EOICAP	0000714	25-02271		
EOICODE	0003674	57-03601		
EOIRW	0003611	65-04021		
EOIWRITE	0003250	65-04021		
EPR	0005033	90-04571		
ESTAB	0000004	66-04045, 66-04049, 67-04057, 67-04062, 67-04063, 67-04064, 67-04066, 67-04103, 67-04104, 67-04105, 67-04105, 67-04106, 67-04110, 68-04117, 68-04117, 68-04124, 70-04153, 70-04154, 70-04154, 70-04154, 70-04155, 70-04167, 70-04167, 70-04167, 70-04170, 72-04176, 72-04177, 72-04177, 72-04177, 72-04200, 72-04203, 72-04205, 74-04243, 74-04243, 76-04250, 76-04250, 76-04250, 76-04251, 76-04254, 76-04254, 76-04255, 77-04257, 77-04260, 77-04262, 77-04263, 77-04265, 77-04267, 77-04270, 77-04272, 78-04275, 78-04275, 78-04276, 78-04277, 78-04277, 78-04277, 78-04301, 78-04305, 78-04305, 79-04313, 79-04316, 79-04320, 79-04320, 79-04320, 79-04320, 79-04324, 79-04324, 80-04326, 80-04326, 80-04326, 80-04331, 80-04332, 80-04334, 80-04335, 80-04337, 80-04342, 80-04343, 80-04344, 80-04347, 80-04350, 81-04361, 81-04362, 81-04364, 81-04364, 81-04364, 81-04366, 81-04366, 81-04367, 81-04367, 81-04371, 81-04372, 81-04372, 82-04376, 82-04377, 82-04377, 82-04377, 82-04402, 82-04403, 82-04403, 82-04404, 82-04405, 82-04405, 82-04406, 82-04410, 82-04410, 82-04410, 82-04413, 82-04414, 82-04414, 82-04415, 85-04444, 85-04444, 85-04445, 85-04451, 85-04453, 85-04453, 85-04453, 85-04453, 85-04455, 85-04461, 85-04461, 85-04464, 85-04465, 85-04465, 85-04466, 85-04467, 85-04467, 85-04467, 88-04474, 88-04474, 88-04475, 88-04500, 88-04500, 88-04501, 88-04506, 88-04512, 88-04512, 88-04515, 88-04521, 88-04522, 88-04522, 89-04530, 90-04557, 90-04561, 90-04563, 90-04573, 90-04573, 90-04576, 90-04577, 90-04577, 90-04601, 90-04601, 90-04604, 90-04605, 91-04612, 91-04612, 91-04612, 91-04614, 91-04614, 91-04614, 91-04616, 91-04621, 91-04622, 91-04623, 91-04624, 91-04626, 91-04627, 91-04635, 91-04636, 91-04636, 92-04636, 92-04640, 92-04641, 92-04642, 92-04642, 92-04646, 92-04651, 92-04651, 92-04651, 92-04654, 92-04660, 92-04660, 93-04671, 93-04671, 93-04671, 93-04701, 93-04701, 93-04702, 93-04702, 93-04704, 93-04704, 93-04707, 93-04707, 93-04707, 93-04711, 93-04711, 94-04725, 97-05050		
EVCHWORK	0003752	61-03742		
EVICT	0003612	43-02764		
EXEP	0005216	44-03004, 49-03223, 56-03547, 97-05061, 97-05066, 97-05073, 97-05100, 97-05106, 97-05120, 97-05127, 97-05135, 97-05144, 97-05150, 97-05156, 97-05162, 97-05173, 97-05202, 97-05210, 98-05215		
EXTBFLEN	0000201	3-00425, 3-00425, 67-04061		
EXTBUFF	0002207	67-04057		
EXTFET	0002214	3-00425, 67-04055, 67-04062, 67-04063, 67-04064, 67-04066, 79-04324, 81-04372, 82-04410, 90-04573, 90-04576, 90-04577, 91-04612, 94-04714		
EXTFETLN	0000005	3-00425		
E.AOR	0005061	34-02525, 34-02525, 35-02536, 35-02537, 35-02541, 35-02542, 36-02553, 36-02554, 37-02557, 37-02560, 38-02501, 38-02602, 38-02604, 38-02605, 39-02636, 39-02637, 41-02702, 41-02703, 60-03700, 60-03700		
E.AORMSG	0005062	97-05061		
E.BIGMEM	0005066	41-02711		
E.BPE	0005156	60-03704, 60-03704, 60-03705, 60-03705, 60-03706, 60-03706, 60-03707, 60-03707		
E.BPEMSG	0005157	97-05156		
E.CHIP	0000000	2-00124		
E.CIOFCN	0005100	42-02726		
E.CIOMSG	0005101	97-05100		
E.ILLCOM	0001641	12-01640		
E.ILLREW	0005106	57-03576		
E.NOLIB	0002676	39-02653		

E.OPENLR	0003666	58-03632
E.PARLNG	0005210	11-01614
E.PARMSG	0005211	97-05210
E.PPCALL	0005073	29-02423
E.PPMSG	0005074	97-05073
E.READ	0005173	27-02351, 39-02651, 45-03031, 45-03040, 45-03047, 45-03062, 50-03256, 52-03335, 52-03367,
		53-03415, 56-03567
E.READMS	0005174	97-05173
E.REWMSG	0005107	97-05106
E.REWSEC	0003546	65-04014
E.RSECUR	0003003	46-03100, 65-04014, 65-04015
E.SKPERR	0003656	65-04014
E.WRITE	0005202	50-03246, 50-03263, 52-03343, 52-03374
E.WRITMS	0005203	97-05202
E.WSECUR	0003222	65-04014, 65-04019
E.WSKIP	0003666	58-03632, 58-03634
FETFND	0003741	60-03712
FET.FRST	0000001	66-04046, 67-04057, 77-04262, 80-04335
FET.IN	0000002	77-04257, 77-04266, 80-04332, 80-04347
FET.LMIT	0000004	77-04260, 80-04334
FET.OUT	0000003	77-04263, 80-04331, 80-04337, 80-04350
FILE	0002016	12-01677
FILEIN	0004610	90-04576, 91-04639
FILL	0004374	69-04146
FILLBCL	0004401	82-04412
FILLLOOP	0004375	82-04400, 83-04424
FILLPROC	0004376	82-04402
FILLREPL	0004145	69-04141
FINRLNK	0003450	53-03431, 54-03446
FINDNAME	0002117	14-01741, 21-02141
FL	0000007	28-02402, 66-04026, 66-04032, 66-04040, 67-04057, 67-04064, 67-04101, 67-04103, 68-04111,
		68-04114, 68-04117, 68-04121, 70-04153, 72-04176, 74-04243, 76-04250, 78-04275, 79-04320,
		79-04322, 80-04328, 81-04362, 81-04364, 81-04371, 82-04376, 82-04402, 82-04410, 82-04413,
		85-04444, 85-04453, 85-04461, 85-04465, 88-04474, 88-04475, 88-04513, 89-04536, 90-04573,
		91-04612, 91-04614, 91-04635, 92-04640, 93-04671, 93-04701, 93-04704, 93-04704, 94-04714,
		94-04727, 94-04734, 94-04745
FLBCD	0005145	97-05144
FLSHQ	0002501	5-00615
FLUSH	0000614	5-00612, 32-02507, 33-02510, 33-02512
FMTMSG	0003174	98-05215
FORCECW	0003362	50-03273
FORGET	0002115	13-01716
FORGETD	0002131	20-02116
FORGETL	0002120	20-02122
FORGETN	0002124	14-01741, 20-02115
FWABCD	0005013	88-04505
FWALOAD	0002220	3-00425, 67-04064, 88-04506, 88-04521
GENOVLY	0004744	94-04722
GET	0002140	13-01714, 25-02265
GETABS	0004734	94-04723
GETB	0000445	80-04327, 80-04340, 80-04352, 91-04613
GETBF	0003422	53-03421, 54-03433, 54-03435, 54-03444, 54-03446
GETBG	0004331	5-00446, 80-04351

GETBLK	0000455	5-00457, 10-02004, 51-03302, 51-03311, 51-03320, 52-03352, 53-03403, 56-03534, 57-03605,
		64-04001, 64-04009, 95-04755
GETBLKGO	0003775	5-00457
GETBLKR	0000502	64-04005
GETBLKRG	0000462	5-00461, 5-00503
GETBLKS	0000460	5-00456
GETBLNK	0003155	47-03117, 48-03157
GETC	0001606	11-01615, 11-01616
GETCHAR	0003426	53-03422
GETERR	0002174	21-02140
GETFET	0003676	42-02722, 61-03724, 61-03732, 62-03751
GETFETS	0003750	61-03725
GETHALF	0000443	81-04354, 81-04359, 82-04375, 82-04401, 84-04435, 84-04437
GETHALFG	0004432	5-00444
GETONE	0000447	69-04130, 70-04150, 70-04151, 72-04207, 72-04213, 74-04242, 75-04246, 76-04253, 79-04310,
		79-04314, 79-04316, 80-04330, 84-04433, 87-04471
GETONEG	0004326	5-00450
GET1	0002142	21-02141
GET2	0002161	21-02157
GET3	0002225	22-02223
GO	0002447	13-01711
GSM	0002557	31-02466
GSM1	0002571	37-02577
HELLOAGN	0002437	13-01726
HELPMMSG	0004010	64-04007
ILLCOM	0001640	12-01634, 12-01674, 24-02245, 26-02341, 27-02343, 67-04076
ILLWMSG	0003355	52-03354
ILLWRIT	0003354	49-03216
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INITL	0001504	8-01506
INIT2	0001443	9-01526, 9-01533
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IOBFLEN	0001001	3-00425, 66-04034, 66-04050
IOBUFF	0002001	3-00425, 66-04032, 66-04046
IOFET	0002006	3-00425, 3-00425, 66-04026, 66-04045, 66-04053, 67-04055, 68-04117, 68-04121, 80-04326,
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ITSDONE	0002600	37-02573
JPSCP	0002110	19-02076
KILLBUFF	0003767	63-03774
KILLUSER	0002077	19-02107
LABCD	0005136	97-05135
LABEL	0004245	69-04133
LABELL	0004246	74-04244, 75-04247
LDR	0002536	31-02500
LDRSCOPE	0000523	29-02431, 66-04035, 67-04054, 68-04113, 68-04122, 77-04273, 80-04346, 90-04603, 91-04606,
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LIBTHERE	0002677	39-02660
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LINK.	0004353	69-04142
LISTDNE	0004557	89-04537
LISTDNEL	0004571	90-04572
LISTDNE2	0004567	90-04557
LISTL	0004537	89-04541, 90-04559
LOAD	0004037	66-04023
LOADLIB	0004103	67-04067, 67-04102, 68-04125
LOADLIBL	0004104	67-04106
LOCATE	0002423	29-02424
LODMG	0004072	67-04071
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LOWEOI	0003173	49-03170
LOWEOR	0003172	48-03165
LOWERHLF	0004436	84-04432
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LPUTBG	0004773	5-00436
LWABCD	0005011	88-04511
MAINDR	0001574	9-01535, 11-01623, 12-01640, 13-01726, 13-01731, 14-01746, 15-01762, 15-01765, 16-02007, 17-02012, 17-02015, 18-02046, 20-02124, 20-02133, 21-02162, 21-02167, 21-02174, 22-02210, 22-02225, 23-02234, 24-02237, 24-02247, 24-02255, 25-02301, 29-02446, 33-02516, 38-02622, 49-03203, 52-03354, 56-03521, 59-03656, 59-03666, 64-04007, 67-04071, 94-04736, 95-04760, 98-05220
MAINGO	0001602	18-02042
MAINLOOP	0004130	66-04036, 67-04066, 68-04123, 70-04150, 72-04206, 72-04212, 75-04246, 79-04310, 84-04433, 85-04441, 85-04457
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MAKEECS	0002002	16-02006
MAKEOVLY	0004126	12-01703
MAKEREAD	0003130	48-03163
MAXBLNK	0000177	54-03445
MEM	0002702	31-02467
MEM.UP	0002710	41-02704
MERGEADR	0004424	83-04426, 83-04430
MOVEFIL	0003636	58-03627, 58-03633, 58-03650, 59-03652
MSGERR	0002623	38-02622
MSGL	0002612	38-02617, 38-02621
MSGOFF	0002250	24-02247
MSGON	0002256	24-02255
MSGPUT	0002601	31-02472
MSGREG	0000666	6-00663, 6-00665
MSGSW	0002243	12-01702
NAMEFND	0002123	20-02121
NEWBLK	0000455	54-03440, 55-03467
NEWBLNK	0003445	53-03430, 54-03452, 54-03452
NEWFILE	0002203	21-02154

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NONOMSG	0003204	49-03203
NORCL	0002606	38-02602
NORMAL	0002414	29-02406, 29-02412
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NOTBCD	0005151	97-05150
NOTBIG	0004467	85-04466
NOTDUPE	0004316	79-04313, 79-04314
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NOTPROG	0004457	85-04455, 86-04470
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OCTBCDG	0004775	5-00434
OFF	0002263	24-02244
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OUTFET	0005003	88-04501
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OVLYF	0001444	68-04126, 93-04705, 94-04722
OVLYWC	0001451	94-04746
PART2	0003041	45-03035
PCNTER	0001455	94-04731
PIDL	0004441	69-04136
PIDLOOP	0004446	85-04462
PLLW	0004222	72-04221, 73-04234, 73-04235
PLMID	0004227	73-04226
PLUP	0004216	72-04215
POINTBCD	0005007	89-04527
PPADR	0002465	29-02425, 31-02500
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PUT2	0001742	14-01740		
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P.OPER	0000000	16-02002, 18-02032, 26-02325, 27-02347, 39-02647, 45-03027, 45-03036, 45-03045, 45-03060,		
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		56-03565, 57-03603, 58-03642, 63-03756, 63-03755, 63-03772		
P.WOROC	0000004	16-02000, 18-02025, 26-02324, 26-02336, 27-02346, 39-02642, 45-03024, 45-03033, 45-03043,		
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		58-03640		
QDMPED	0002506	32-02503		
RA	0000006	28-02375, 46-04037, 68-04117, 70-04153, 70-04167, 70-04167, 70-04170, 70-04171, 72-04176,		
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		81-04366, 81-04367, 81-04371, 82-04376, 82-04402, 82-04405, 82-04406, 82-04410, 82-04413,		
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		94-04716		
RCL	0002426	5-00613, 12-01707, 34-02532, 34-02535, 35-02551, 35-02552, 36-02556, 37-02600, 38-02606,		
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RDCMD	0002024	11-01577		
RDCMDL	0002030	18-02040, 18-02041		

RDYMSG	0001536	9-01534
READEXT	0004612	91-04617
READOK	0003015	46-03100, 65-04016, 65-04017
READRW	0003561	21-02160, 40-02675, 57-03606, 65-04016, 65-04017
READRW2	0003562	57-03611, 61-03732
READVITL	0005252	8-01473
RELOCONE	0004662	93-04664, 93-04666
REPL	0004147	69-04145
REPLA	0004166	71-04175
REPLB	0004167	70-04173
REPLC	0004174	70-04165, 70-04173
REPLD	0004150	70-04174
RESECUR	0003005	44-03004, 65-04021
REWIND	0003541	19-02066, 43-02760, 43-02761, 43-02762, 43-02763, 56-03545, 65-04014, 65-04015, 65-04016, 65-04017, 65-04021
REWSEC	0003550	56-03547
REWRITE	0003235	65-04017
RE.READ	0002325	26-02342
RFIL.	0002775	43-02752, 44-03001, 46-03066, 65-04014, 65-04015, 65-04016, 65-04017, 65-04021
RFL	0002226	13-01715
RFLB	0002232	23-02230
RFLD	0002227	23-02231
ROOM	0005010	88-04520
RSTMSG	0000664	38-02616, 97-05047
RTNSTAT	0002705	41-02713
S	0005251	8-01471
SAVMSG	0000662	38-02614, 97-05044
SCOP	0005250	8-01470
SCOPE	0002407	1-00007
SCOPEL	0002420	5-00525
SECURITY	0004013	44-02777, 49-03217, 56-03542, 57-03621
SEC.EOI	0000006	46-03073, 55-03516
SEC.READ	0000003	44-02776, 44-03000
SEC.REW	0000004	21-02153, 25-02267, 40-02670, 56-03542, 56-03543, 58-03622, 61-03724
SEC.SKP	0000005	57-03621
SEC.WRIT	0000002	49-03215, 49-03220
SENDER	0002632	38-02612
SENDERL	0002627	38-02632
SENDERVCH	0003765	63-03753
SETESM	0000122	11-01576, 29-02417
SETIT	0001570	10-01561
SETMAP	0000512	9-01531, 10-01571, 10-01573, 16-02000, 23-02233, 26-02310, 33-02515, 41-02712
SETMAPD	0001561	10-01552, 10-01565, 10-01567
SETMAPL	0001552	10-01556, 10-01560
SETMAP.	0001545	5-00513
SETPCNT	0001452	94-04732
SETSPACE	0001764	15-01763
SETSTEP	0001727	13-01712
SETX0	0004164	70-04163
SHFTSTO	0004236	72-04220
SKIP	0003620	58-03624, 59-03655, 65-04014, 65-04015, 65-04016, 65-04017, 65-04021
SKIPEOI	0003634	65-04021
SKIPFWD	0003162	47-03115

SKIPR	0003625	65-04016, 65-04017
SKIPW	0003630	65-04015
SKPDNE	0003653	58-03644, 58-03645, 58-03647
SORTA	0004620	91-04615, 91-04630
SORTB	0004623	91-04626
SORTC	0004625	91-04632
SPACE	0001763	13-01723
SPCLEN	0003151	48-03146
SQUCHAR	0000173	54-03447
SRCHCOM	0001634	12-01635
SRCHCONT	0004277	78-04305
SRCHENT	0000451	78-04303, 78-04309, 79-04312, 81-04360, 85-04447, 94-04724
SRCHENTG	0004275	5-00452
SRCHLIB	0002546	39-02653
SRCHLOOP	0004276	78-04277
SSTATUS	0003050	45-03026, 45-03032, 45-03044
SSTATUSW	0003321	51-03277, 51-03303, 51-03315
SSTEOI	0003167	47-03114
SSTEOR	0003164	47-03115
SSTHDR	0003536	56-03530
SSTRDRW	0003607	56-03561, 57-03911
STARTSCR	0000425	1-00011, 1-00024, 1-00031, 1-00032, 8-01467, 26-02315, 27-02353, 95-04751, 95-04756, 99-05254, 99-05255, 99-05256
STEP	0002446	29-02434
STEPMSG	0002443	29-02446
STOBADR	0004453	85-04464
STOBUFF	0003133	47-03116, 48-03150, 48-03152, 48-03160
STORE	0004627	91-04631, 91-04632
SUBHEAD	0004534	89-04535
SYSERR	0004007	55-03514, 64-04004
SYSREAD	0003100	44-03002
SYSREWR	0003526	49-03235
SYSUP	0001462	8-01477
SYSWRITE	0003405	50-03250, 50-03266, 56-03535
S.BEADCC	0000007	13-01736, 63-03771
S.CALL	0000027	99-05247
S.CALL2	0000002	9-01544
S.CLASS	0000015	19-02105, 19-02111, 99-05234
S.CLASS2	0000023	6-00731, 7-01453, 19-02114, 99-05233
S.CLIST	0000012	99-05241
S.CMDFIL	0000042	18-02021, 18-02025
S.CORE	0000024	5-00510, 6-00733, 6-00737, 6-01434, 6-01441, 8-01467, 8-01510, 10-01550, 19-02101, 99-05243, 99-05253
S.CREBLK	0000020	6-00722, 6-01433
S.CSPROC	0000030	99-05232
S.DELBLK	0000041	5-00507
S.DIRECT	0000004	1-00010, 5-00510, 6-00621, 6-00707, 8-01503, 8-01505, 19-02053, 19-02056, 19-02073, 20-02121, 39-02641, 39-02660, 42-02720, 60-03712
S.DSUB	0000043	19-02113
S.ESM	0000035	2-00122
S.HANG	0000006	63-03755
S.JUMP	0000026	13-01735, 19-02110
S.LIBDIR	0000033	39-02642

S.LOWCOR	0000024	1-00011, 1-00019, 1-00022, 1-00023, 1-00024, 1-00030
S.MODPC	0000040	19-02104
S.MPCHRW	0000031	6-00730
S.PINT	0000044	63-03772
S.PROBE	0000034	6-01440
S.READ	0000003	18-02031, 26-02325, 27-02346, 39-02647, 45-03027, 45-03036, 45-03045, 45-03057, 46-03107, 50-03253, 52-03332, 52-03365, 53-03412, 55-03505, 56-03564, 58-03641, 99-05252
S.RETURN	0000032	99-05221
S.RSTREG	0000016	5-00502, 6-00664, 99-05224, 99-05230
S.SAVREG	0000022	5-00460, 6-00662, 99-05222, 99-05226
S.SENDE	0000005	63-03765
S.SETPC	0000040	4-00425, 7-01452
S.SSTBF	0000226	6-00763, 46-03103, 46-03105, 47-03124, 47-03126, 47-03130, 47-03136, 53-03417, 54-03433, 54-03435, 54-03441, 54-03455, 54-03464, 55-03464
S.TEMPC	0000036	7-01446, 26-02319, 26-02320, 27-02352, 95-04750
S.WRITE	0000004	6-00713, 7-01445, 16-02002, 50-03244, 50-03260, 51-03300, 51-03306, 51-03315, 52-03340, 52-03347, 52-03371, 53-03401, 53-03420, 55-03511, 56-03532, 57-03603, 99-05242
TABBCD	0005130	97-05127
TABERR	0005127	69-04132, 69-04134
TEMP	0005014	67-04055
TENBLNK	0005012	88-04510, 90-04560, 93-04676
TESTCIO	0002714	31-02465
TEXT	0004176	69-04140
TEXTA	0004212	73-04224, 73-04232, 73-04240
TEXTGEN	0002264	12-01704
TEXTGEN2	0002267	22-02217
TEXTMSG	0002302	22-02225, 25-02301
TEXT4L	0002266	22-02216, 25-02264
TIM	0002525	31-02477
TIME	0001457	17-02014, 34-02530
TIMEDATE	0002531	34-02533
TIMESET	0002013	13-01720
TIMEZERO	0002534	34-02530
TITLE	0004503	88-04504
TOES	0000005	66-04043, 67-04108, 70-04167, 70-04170, 72-04202, 76-04254, 78-04277, 78-04300, 78-04301, 78-04301, 78-04301, 78-04302, 81-04367, 82-04405, 82-04415, 88-04521, 89-04536
TOOMANY	0001624	11-01623
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