

ASSIGN MICI, (FILE, TABLES, IDOOCI)  
METASYM CI, LO

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1  
2  
3  
4  
5  
6  
7  
8  
9  
10

01 00000

```

*M*
*S* TABLES MISCELLANEOUS MONITOR DATA
      SYSTEM SIG7FDP
*
      DFF TABLES
      EQU $
      PCC 0
*P*
*P* NAME: TABLES
*P* PURPOSE: TO CONTAIN MISCELLANEOUS MONITOR VARIABLE DATA
*P* AND CONSTANTS*

```

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12  
13 00000000  
14 00000001  
15 00000002  
16 00000003  
17 00000004  
18 00000005  
19 00000006  
20 00000007  
21 00000008  
22 00000009  
23 0000000A  
24 0000000B  
25 0000000C  
26 0000000D  
27 0000000E  
28 0000000F

\*  
R0 EQU 0  
R1 EQU 1  
R2 EQU 2  
R3 EQU 3  
R4 EQU 4  
R5 EQU 5  
R6 EQU 6  
R7 EQU 7  
SR1 EQU 8  
SR2 EQU 9  
SR3 EQU 10  
SR4 EQU 11  
D1 EQU 12  
D2 EQU 13  
D3 EQU 14  
D4 EQU 15

SYMBOLIC REGISTER DEFINITIONS.

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00000000

```
IPSD CNAME
      PROC
      LBCAL IB9MA, IB560MA
      DB1 TCOR(S;FR, IB9)
      REF IB9, IB560
      BOUND 8
P SET S;KEYS(2,*0,CC,IA,WK,RP,18,0MA,RES,,
      FR,FS,FZ,FN,(SLAVE,MASTER),MAP,DM,AM,,
      CI,II,EI,INH)
      DB (P(2)&X'2040')=0 NBT MAP & NBT 0MA
IB9MA SET IB9 SET FOR BIG9'S ONLY
IB560MA SET IB560 SET FOR BIG560'S ONLY
      ELSE
IB9MA SET 0
IB560MA SET 0
      FIN
LF GEN, ((P(2)&X'1000')>0)*64,, OPTIONAL TWO WORDS OF ZEROS
      4,8,3,17,, CC,(FR,FS,FZ,FN,SLAVE,MAP,DM,AM),, IA
      2,2,1,3,1,6,1,, 0,WK,,(CI,II,EI),,IB9MA,,IB9MA
      8,4,1,1,2 ; 0,RP,,IB560MA,0
      0,, OPTIONAL TWO WORDS OF ZEROS
      AF(P(3),2),, CC
      (P(2)**4)&X'FF',, FR,FS,FZ,FN,SLAVE,MAP,DM,AM
      0,,
      AF(P(4),2),, IA
      0,,
      AF(P(5),2),, WK
      0,,
      ((P(2)**1)&7)|((P(2)&1)*7),, CI,II,EI, OR INH
IB9MA,, MA FOR SIGMA 9
      0,,
IB9MA,, EA FOR SIGMA 9
      0,,
      AF(P(6),2),, RP
      0,,
IB560MA,, MA FOR XEROX 560
      0
```

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PEND

\*  
\*  
\*

DEFS FOR STATIC DATA

67			
68			
69			
70			
71	DEF	BUF1	DCB OFFSET FOR BUF1
72	DEF	BUF2	DCB OFFSET FOR BUF2
73	DEF	ERBLOCK	
74	DEF	ERRCOUNT	
75	DEF	DID	USER NUMBER OF DIAG USER
76	DEF	S:LCORE	NUMBER OF LOCKED PAGES
77	DEF	I0CLINC	
78	DEF	AVRDCI	DCTX OF DEVICE FOR KEYIN TO AVR
79	DEF	ERINPR0G	FOR ERHNDLR TO USE
80	DEF	UNEXP	COUNT OF UNEXPECTED I/O INTS
81	DEF	DEVCTCHK	
82	DEF	RCVRENT	RECOVERY COUNTER
83	DEF	CURGRAN	CURRENT GRAN FOR ERRLOG
84	DEF	SGRAN	
85	DEF	BGRAN	
86	DEF	FGRAN1	
87	DEF	FGRAN2, FGRAN3	
88	DEF	G00DNGT	CONTROL CELL FOR ZAP
89	DEF	CURBUF	CURRENT BUFFER FOR ERRLOG
90	REF	M17	17 BIT MASK
91	REF	Y0001	CONSTANT X'00010000'
92	REF	X3	CONSTANT X'00000003'
93	REF	X80	CONSTANT X'00000080'
94	REF	X40	CONSTANT X'00000040'
95	REF	X20	CONSTANT X'00000020'
96	REF	Y0004	CONSTANT X'00040000'
97	REF	Y0002	CONSTANT X'00020000'
98	REF	Y0008	CONSTANT X'00080000'
99	REF	MASKS	TABLE OF ORDERED MASKS
100	REF	BT31T00	TABLE OF ORDERED BITS
101	REF	NB31T00	TABLE OF INVERTED BITS
102	DEF	OPSD	SPD FOR EMPTY STACK
103	REF	TSTACK	JIT TEMP STACK

104	REF	JTSTACKSZ	SIZE OF JIT TEMP STACK
105	DEF	C0PBNFLG	
106	DEF	0PNCLSUS,0PNCLSTK	
107	DEF	CTFLAGS	CONTROL TASK INTERRUPT FLAGS
108	DEF	Q4AVL	POOL OF EA INFO BLOCKS
109	DEF	RAD1ST	
110	DEF	SIBSPIN,S:0SPIN	
111	DEF	SIGSPIN	
112	DEF	PLIJIF	
113	DEF	CLOCKTMP	TEMP FOR CLOCK3 HANDLER
114	DEF	TEMPT	
115	DEF	CURBQ	CURRENT NUMBER OF BUSY IOQS
116	DEF	CT0C	CONTROL TASK FLAG
117	DEF	DRSP	DRSP INHIBIT FLAG
118	DEF	CTACT	CONTROL TASK ACTIVE FLAG
119	DEF	S:CRASHUN	
120	REF	SDGA	SYMBIANT DISK AVAIL
121	DEF	SYSICBTUN,SYSICBCLK	
122	DEF	S:SSCRCH	SLAVE REQUESTED SCREECH FLAG
123	DEF	SIPSD1	INTERPROCESSOR INT RECEIVER
124	DEF	SIPSD2	INTERPROCESSOR INT RECEIVER
125	DEF	SIPSD3	INTERPROCESSOR INT RECEIVER
126	SREF	T:SLAVE	INTERPROCESSOR INT HANDLER

128				BOUND	8	
129	01	00000	00000001 N	DATA	TSTACK+1	
130	01	00001	00000000 N	GEN,16,16	JTSTACKSZ,0	USED BY STEP AND SSS
131				DEF	75TABLE	
132				DEF	TXTCFU,75BUF	
133	01	00002	03D47A5C A	TEXTC	IM:*	NAME OF DUMMY CFU DCB
134	01	00003		RES	0	LAST 6 75 DISK ADDRESSES
135	01	00003		D01	3	
136	01	00003	C9C1D4C1 A	TEXT	,IAMADUCK,	INIT TO GARBAGE
	01	00004	C4E4C3D2 A			
	01	00005	C9C1D4C1 A			
	01	00006	C4E4C3D2 A			

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01	00007	C9C1D4C1	A				
01	00008	C4E4C3D2	A				
137	01 00009	FFFFFFFF	A	75BUF	DATA	=1	REPORTING DISABLED
138					DEF	LFGUN	
139	01 0000A	FFFFFFFF	A	LFGUN	DATA	=1	USER # OF FIX PROCESSOR IF > 0.
140				*			=1 MEANS ALLOCAT IS NOT TO RUN
141				*			YET (FIX IS DOING MGP RECON).
142				*			0 MEANS GHOST COPY OF FIX NOT
143				*			CURRENTLY RUNNING.
144					DEF	FDFLAGS	
145	01 0000B	FFFFFFFF	A	FDFLAGS	DATA	=1	
146				*			
147				*	ROUTINE CALLED FROM SLDDWN IN WRTF.		
148				*	THE ARG FIELD OF MBS IS CHANGED BEFORE COMING HERE.		
149				*			
150					DEF	SLDMOVE	
151					REF	JIBASE	
152	01 0000C	3050000B	N	SLDMOVE	AW,R5	J;BASE+11	DECR R5 BY SIZE OF 2 KEYS, ADD COUN
153	01 0000D	615FFFFFF	A		MBS,R5	=1	MOVE ONE KEY
154	01 0000E	64D0000C			BDR,D2	SLDMOVE	
155	01 0000F	68040000	A		B	O,R2	RETURN

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157				DEF	ALL00UT	
158				*	FLAG FOR SWAPPER TO SWAP BUT ALL0CAT	
159	01	00010	00000000	A	ALL00UT DATA	0
160				DEF	SGB,SGL,SGT	
161	01	00011	00000000	A	SGB DATA	0
162	01	00012	000FFFFFF	A	SGL DATA	X'FFFFFF'
163	01	00013	000FFFFFF	A	SGT DATA	X'FFFFFF'
164	01	00014	00000000	A	GOODNGT DATA	0
165	01	00015	00000000	A	LASTTPE DATA	0
166				DEF	LASTTPE	SAVE LAST DRIVE USED FOR TYP R
167				*		
168	01	00016	00000000	A	CURBQ DATA	0
169	01	00017	00000000	A	CTOC DATA	0
170	01	00018	00000000	A	CTACT DATA	0
171	01	00019	00000000	A	C0PBNFLG DATA	0
172	01	0001A	00000000	A	0PNCLSUS DATA	0
173	01	0001B	00000000	A	0PNCLSYK DATA	0
174	01	0001C	00000000	A	SICRASHUN DATA	0
175				*		
176				*		SYSTEM LOAD PARAMETER
177				*		THE INTERRUPTED ENVIRONMENT
178	01	0001D	00000000	A	DRSP DATA	0
179				*		INHIBIT FLAG FOR DRSP





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```

DPI
DPI
196 01 0001E FFFFFFFC0 A INVERTED$DCT$MASK DATA X
197 DEF INVERTED$DCT$MASK
198 *
199 00000000 Y SET 0
200 00000002 I DB SECTOR$FLD(2)
201 00800000 Y SET Y|X'80000000'**(,SECTOR$FLD(1)+1,I)
202 FIN

00C00000
203 01 0001F 00C00000 A SECTOR$MASK DATA Y
204 DEF SECTOR$MASK
205 *
206 01 00020 000000C0 A SECTOR$MASK$1 DATA Y**16
207 DEF SECTOR$MASK$1
208 *
209 01 00021 00C0FFFF A SECTOR$MASK DATA Y|X'0000FFFF'
210 DEF SECTOR$MASK
211 *
212 00000000 X SET 0
213 DPI X SET Y|X'FFFF0000'
214 01 00022 FF3F0000 A DCT$MASK$1 DATA X
215 DEF DCT$MASK$1
216 *
217 DPI Y SET X'FFFF0000'4X**16
218 01 00023 FFFFFFF3F A DCT$MASK$2 DATA Y
219 *
220 DEF DCT$MASK$2
221 *
222 CLOSE I,X,Y
223 *
224 *

```

END DISK B MASKS

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226  
 227  
 228  
 229  
 230  
 231  
 232 01 00024 00000001 A  
 01 00025 00000000 A  
 233  
 01 00026 00000002 A  
 01 00027 00000000 A  
 01 00028 00000003 A  
 01 00029 00000000 A  
 01 0002A 00000004 A  
 01 0002B 00000000 A  
 01 0002C 00000005 A  
 01 0002D 00000000 A  
 01 0002E 00000006 A  
 01 0002F 00000000 A  
 01 00030 00000007 A  
 01 00031 00000000 A  
 01 00032 00000008 A  
 01 00033 00000000 A  
 01 00034 00000009 A  
 01 00035 00000000 A  
 01 00036 0000000A A  
 01 00037 00000000 A  
 234 01 00038 00000000 A  
 01 00039 00000000 A

\*  
 \* END-ACTION QUEUE USED BY IORT, RDF  
 \*  
 Q4AVL BRUND 8  
 EQU \$  
 I DB 10 10 USABLE ENTRIES  
 DATA 1,0  
 FIN  
 DATA 0,0

237 00000001  
 238 00000001  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247 00000009  
 248 0000000B  
 249 0000000E  
 250 00000015  
 251 EXT  
 252 01 0003A 0001FFF0 A  
 253 01 0003B 00000803 A  
 254 EXT  
 255 01 0003C 000000C0 A  
 256 EXT  
 257 EXT  
 258 EXT  
 259 EXT  
 260 EXT  
 261 EXT  
 262 EXT  
 263 EXT  
 264 0000D3D5  
 265 0000D4D6  
 266

CNM EQU 1 TEMP CARD\*\*\*\*\*  
 DB CNM  
 DEF ADR, ECB, ADR, LNID, ADR, LIST, VAL, INDX  
 DEF ADDRMask, REGMask, AUTO RDCB  
 DEF CNMLNDCB, LNDEVCD  
 DEF SLVLNCT, OPNBIT, HALTL, INUSEL, OPNCLSL, AUTO RDL  
 DEF CT:MASTR, CT:SLAVE, SLVLNST, MOCMNEM

\*  
 \* THE FOLLOWING 4 EQU'S ARE FOR CNM SLAVE LINE DCBS  
 \*

ADR:ECB EQU 9 RD/WRT ECB ADR HELD HERE  
 ADR:LNID EQU 11 LINE ID ADR HELD HERE  
 ADR:LIST EQU 14 POL/SEL LIST ADR HELD HERE  
 VAL:INDX EQU 21 RD OR WRT INDEX VALUE HELD HERE  
 ADDRMask EQU M17  
 REGMask DATA X10001FFF01  
 CNMLNDCB DATA X'8031 BIT 20 SET & ASN=3 FOR LN DCB  
 AUTO RDCB EQU Y0001 AUTO READ BIT IN DCB'S WORD0  
 SLVLNCT DATA X'CO1 CNM SLV LN SWITCHES' CURRENT TYPE B  
 SLVLNST EQU X3 CNM SLV LN SWITCHES' SYSGEN TYPE BI  
 CT:SLAVE EQU X80 CNM LN CURRENT TYPE=SLAVE BIT  
 CT:MASTR EQU X40 CNM LN CURRENT TYPE=MASTER BIT  
 OPNBIT EQU X20 CNM SLV LN SWITCHES DCB=OPEN BIT  
 HALTL EQU Y0004 LIST FLAGS' HALT BIT MASK  
 INUSEL EQU Y0002 LIST FLAGS' IN=USE BIT MASK  
 OPNCLSL EQU Y0001 LIST FLAGS' OPN/CLS BIT MASK  
 AUTO RDL EQU Y0008 LIST FLAGS' AUTO READ BIT MASK  
 LNDEVCD EQU X'D3D51 Op LABEL CODE FOR CNM SLV LN DCB  
 MOCMNEM EQU X'D4D61 DEVICE MNEMONIC FOR CNM MOC LINE  
 FIN

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Address	Mode	Hex	Hex	Label	Value	Description
268				DEF	S:ACORE,S:STL#,S:STLC,SL:STLM,SL:RSVP	
269				DEF	S:PWP#	
270	01	0003D	00000000	A	S:ACORE	DATA 0
271	01	0003E	00000000	A	S:STL#	DATA 0
272	01	0003F	00000000	A	S:STLC	DATA 0
273	01	00040	00000012	A	SL:STLM	DATA 18
274	01	00041	00000001	A	SL:RSVP	DATA 1
275	01	00042	00000000	A	S:PWP#	DATA 0
276				*		RETURNS TO AVR SEG
277				*		
278				*		
279				DEF	MPIUPPH,Mp:UPPT,Mp:UPPC	
280	01	00043	00000000	A	MP:UPPH	DATA 0 HEAD OF UNMAPPED MONITOR ROUTINES
281	01	00044	00000000	A	MP:UPPT	DATA 0 TAIL OF UNMAPPED MONITOR ROUTINES
282	01	00045	00000000	A	MP:UPPC	DATA 0 COUNT OF UNMAPPED MONITOR ROUTINES
283				*		
284				*		
285	01	00046	00000000	A	CTFLAGS	DATA 0 CONTROL TASK FLAGS
286	01	00047	00000000	A	DEVCTCHK	DATA 0
287	01	00048	00000004	A	10CLINC	DATA 4 PULSE COUNTER FOR 1/8 CLOCK
288	01	00049	00000000	A	AVRDCT	DATA 0
289	01	0004A	00000000	A	10CLOCK	DATA 0 # OF 5 SECOND INTERVALS ELAPSED
290				DEF	10CLOCK	
291	01	0004B	00000000	A	UNEXP	DATA 0 COUNT OF UNEXPECTED INTS

```

293 *
294 *
295 DEF CLK3PSD
296 DEF I0PSD
297 DEF 0CPSD
298 REF I0INT,0CINT
299 DEF T;0VBPSD,T;0VBALPSD,SKIPPSD
300 REF T;0VB,T;0VBAL,RETURN
301 REF CLOCK;
302 DEF CSED$BEST$END,CSED$BREG,CSED$CF,CSED$EA$REAL
303 DEF CSED$EA$VIRT,CSED$EL$PSD,CSED$ERR,CSED$ERRLOG,BUF
304 DEF CSED$FI$REAL,CSED$INST,CSED$LINK
305 DEF CSED$IPLG
306 DEF CSED$LOG$MFI
307 DEF CSED$MAPPED
308 DEF CSED$PATH
309 DEF PSD$I0FAIL
310 DEF CSED$PSD,CSED$REGS
311 DEF CSED$RTRY,CNT,CSED$SPDF,CSED$STOP$TABLE
312 DEF CSED$STOP,CSED$WHY,CSED$MSG
313 DEF CSEP$MSG$SIZE
314 DEF CSED$3STAT,3COUNT,3ANDADD,3ORADD,3ANDCONT,3ORCONT
315 DEF 3FIRST,3FIRSTC,3LAST,3LASTC,3BUFCLR
316 *
317 REF CSE$STOP$I0FAIL,CSE$ERR
318 DEF LEE20
319 DEF DLTBIAS
320 *
321 DEF POWRON
322 REF BEGIN0N

```

```

324 01 0004C 00000000 N I0PSD ;PSD RES,(IA,I0INT),(WK,1),INH
      00000000
      00000000
      17000000
325 01 00050 00000000 N 0CPSD ;PSD RES,(IA,0CINT),(WK,1),INH,(CC,6)

```

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```

00000000
60000000
17000000
326 01 00054 00000000 N CLK3PSD 1PSD RES,(IA,CLKCKI),(WK,1),(CC,6)
00000000
60000000
10000000
327 01 00058 00000000 N T:0VBPSD ;PSD RES,(IA,T:0VB),(WK,1),INH,MAP
00000000
00400000
17000000
328 01 0005C 00000000 N T:0VBALPSD ;PSD RES,(IA,T:0VBAL),(WK,1),INH,MAP
00000000
00400000
17000000
329 01 00060 00000000 N SKIPPSD 1PSD RES,(IA,RETURN),(WK,1),INH,MAP
00000000
00400000
17000000
330 01 00064 00000000 N LEE20 1PSD RES,(IA,LEE10-1),INH
00000000
00000074
07000000
331 01 00068 00000000 N PSD$IOFAIL 1PSD (IA,CSE$STOP$IOFAIL),RES,INH
00000000
00000000
07000000
332
333
334 01 0006C 00000000 N TQVPSD 1PSD DEF TQRPSD,TQVPSD
REF TQRETURN
RES,MAP,(IA,TQRETURN),(WK,1)
00000000
00400000
10000000
335 01 00070 00000000 N TQRPSD 1PSD RES,(IA,TQRETURN),(WK,1)
00000000
00000000
10000000

```

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336	01 00074	68000000	A	DLTBIAS	B	0	ADDRESS PUT IN BY BOOTSUBR
337	01 00075	0E800064		LEE10	LPSD,8	LEE20	
338					DEF	IBRKEXEC,EXECINST,EXECPSD	
339	01 00076	00000000	A	IBRKEXEC	DATA	0,0	XDELTA EXECUTES BROKEN INST. HERE
	01 00077	00000000	A				
340	01 00078	00000000	A	EXECINST	DATA	0	
341	01 00079	0F00007A			XPSD,0	EXECPSD	USED BY ,X TO EXECUTE INST.
342					BOUND	8	
343	01 0007A	00000000	N	EXECPSD	IPSD	RES,(IA,0),INH	
		00000000					
		00000000					
		07000000					
344				*			
345	01 0007E	00000001	A	P0WR0N	DATA	1,1	MARKED SO WE KNOW
	01 0007F	00000001	A				
346	01 00080	00000000	N		IPSD	(IA,BEGIN0N),INH	
		07000000					
347				*			
348				*			INTERPROCESSOR INTERRUPT RECEIVER FOR MP SYSTEMS
349				*			
350	01 00082	00000000	N	SIPSD1	IPSD	(IA,T:SLAVE),(WK,1),INH,RES	
		00000000					
		00000000					
		17000000					
351	01 00082			SIPSD2	EGU	SIPSD1	
352	01 00082			SIPSD3	EGU	SIPSD1	



```

354
355
356
357      01 00086
358      01 00086 00000000 A
359      01 00087
360      01 00097 00000000 A
361      01 00098 00000000 A
      01 00099 00000000 A
362      01 0009A 00000000 A
363
364
365      01 0009B 00000000 N
366      01 0009C 00000000 N
367      01 0009D 000000B9
368      01 0009E 15 A
      01 0009E 1 05 A
      01 0009E 2 03 A
      01 0009E 3 02 A
369      01 0009F C540E2E3 A
      01 000A0 D6D76040 A
370      0000000C
371      01 000A1 00000000 A
      01 000A2 00000000 A
      01 000A3 00000000 A
      01 000A4 00000000 A
372      01 000A5 00000000 A
373
374
375
376
377      01 000A6 00000000 A
378      01 000A7 00000000 A
379      01 000A8 00000000 A
      01 000A9 00000000 A
380      01 000AA 00000000 A
      01 000AB 00000000 A
    
```

```

* TABLE OF DATA FROM STOP SEQUENCE
* *** THIS MUST BE ON BOUND 8 ***
      BOUND      8
CSED$STOP$TABLE EQU * FAULT DATA TABLE FOR STOP SEQ
CSED$CF DATA 0 TCC AND FC
CSED$REGS RES 16 REGS UPON ENTRY
CSED$BREG DATA 0 X B60 BRANCH REGISTER
CSED$PSD DATA 0,0 TRAP PSD

CSED$WHY DATA 0 WHY CODE
      SREF C$MSTAT MEMORY POLLING TABLE (9 & 560 ONLY)
      SREF C$PSTAT PROC POLLING TABLE (560 ONLY)
      DATA C$MSTAT
      DATA C$PSTAT
CSED$3STAT$ADR DATA CSED$3STAT ADDRESS OF LOCATION POLLING TABLE
CSED$MSG DATA,1 X1151,X1051,C1,1S1

TEXT IE STOP=1

CSEP$MSG$SIZE EQU BA(*)-BA(CSED$MSG) BYTE COUNT OF MSG
DATA 0,0,0,0 TOTAL OF 7 WORDS

CSED$STOP DATA 0
*
* ITEMS FOR CSE$ANALZE$INST (IN FORMAT FOR ERROR LOG)
*
      BOUND      8
CSED$ERRLOG$BUF DATA 0 CODE,COUNT, CPU ADDRESS
DATA 0 RELATIVE TIME
CSED$EL$PSD DATA 0,0 TRAPPED PSD

DATA 0,0 RESERVED FOR PSD 3,4
    
```

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381	01	000AC	00000000	A	CSED\$IIFLG	DATA	0	TRAP CC AND FLAGS
382	01	000AD	00000000	A	CSED\$FI\$REAL	DATA	0	REAL ADDRESS OF TRAPPED INSTRUCTION
383	01	000AE	00000000	A	CSED\$INST	DATA	0	TRAPPED INSTRUCTION
384	01	000AF	00000000	A	CSED\$EA\$VIRT	DATA	0	ANLZ CC, VIRTUAL ADDRESS
385	01	000B0	00000000	A	CSED\$EA\$REAL	DATA	0	REAL ADDRESS OF TRAPPED INSTRUCTION
386					*			
387	01	000B1	00000000	A	CSED\$BEST\$END	DATA	0	BEST END SO FAR
388	01	000B2	00000000	A	CSED\$ERR	DATA	0	WHAT TYPE OF FAULT
389	01	000B3	00000000	A	CSED\$MAPPED	DATA	0	MAPPED FLAG
390		00000004			CSEI\$PATH\$INIT	EQU	x'04'	INITIALIZATION FLAG
391	01	000B4	00000004	A	CSED\$PATH	DATA	CSEI\$PATH	INIT REENTRY FLAG, TRACK
392	01	000B5	FFFFFFFF	A	CSED\$SPDF	DATA	1	SOFT PDF FLAG
393	01	000B6	00000003	A	CSED\$RTRY\$CNT	DATA	3	RESET TO 3 EVERY 1.2 SECS
394	01	000B7	00000000	A	CSED\$LOG\$MFI	DATA	0	OK TO LOG MFI FLAG
395	01	000B8	00000000	A	CSED\$LINK	DATA	0	TEMP SAVE OF LINK REG
396		01 000B9			CSED\$3STAT	EQU	\$	LOCATION POLLING TABLE
397	01	000B9	490B0000	A		DATA	X'490B0000'	ERROR CODE AND COUNT
398	01	000BA	00000000	A		DATA	0	ROOM FOR RELATIVE TIME
399	01	000BB	00000000	A	3COUNT	DATA	0	COUNT OF BAD LOCATIONS
400	01	000BC	00000000	A	3ANDADD	DATA	0	AND OF BAD ADDRESSES
401	01	000BD	00000000	A	3ORADD	DATA	0	OR OF BAD ADDRESSES
402	01	000BE	00000000	A	3ANDCNT	DATA	0	AND OF BAD CONTENTS
403	01	000BF	00000000	A	3ORCNT	DATA	0	OR OF BAD CONTENTS
404	01	000C0	00000000	A	3FIRST	DATA	0	FIRST BAD ADDRESS
405	01	000C1	00000000	A	3FIRSTC	DATA	0	CONTENTS OF FIRST BAD LOCATION
406	01	000C2	00000000	A	3LAST	DATA	0	LAST BAD LOCATION
407	01	000C3	00000000	A	3LASTC	DATA	0	CONTENTS OF LAST BAD LOCATION
408	01	000C4	280002E8		3BUFCLR	GEN,8,24	BA(\$)-BA(CSED\$3STAT+1),BA(CSED\$3STAT+1)	

410					* FINDER FILE FOR ACCOUNT DIRECTORY			
411		0000003F			ACNTBLM	EQU	63	21 THREE WORD ENTRIES
412	01	000C5	00000000	A	ACNTBL	DATA	0	END OF ACTIVE TABLE
413	01	000C6			RES	ACNTBLM		TABLE SPACE
414					DEF	ACNTBL,ACNTBLM		
415					DEF	SYSACTL		
416	01	00105	00000000	A	SYSACTL	DATA	0	DISK ADDRESS OF FDA OF SYS FILE DRCTRY

418	01 00106	00000000	A	INTCNT	DATA	0
419	01 00107	00000000	A	INTFLG	DATA	0
420				DEF	INTCNT,INTFLG	

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```

422
423
424
425
426      01 00108
427      01 00108      03000000 N
428      01 00109      2E000004 A
429      01 0010A      02010000 A
430      01 0010B      2E000000 A
431
432      01 0010C      03000000 N
433      01 0010D      2E000004 A
434      01 0010E      02020000 A
435      01 0010F      0E000000 A
436

```

\*I/O COMMANDS FOR DISC BOOT

```

DEF      BOOTIC
REF      ROOTSA      DEFED IN BOOTSUBR,X135'
BOUND    8
BOOTIC   EQU      *
GEN,8,24 3,BA(ROOTSA+1)  SEEK FOR 2ND 16K OF MBN
GEN,8,24 X'2E',4
GEN,8,24 2,X'4000',4    READ
GEN,8,24 X'2E',0
*
GEN,8,24 3,BA(ROOTSA+2)  SEEK FOR OVFLOWED MBN(2K MAX)
GEN,8,24 X'2E',4
GEN,8,24 2,X'8000',4    READ
GEN,8,24 X'E',0
*

```

```

439
440
441
442
443
444      01 00110
445
446
447      01 00110      00000112
448      01 00111      00000112
449
450
451
452
453      01 00112
454
455
456
457      01 00112      87400000 A
458
459
460
461
462
463      01 00113
464      01 00113      00000258 A
465      01 00114
466      01 00114      00000258 A
467      01 00115      00000000 X
468      01 00116      00000000 A

```

```

DEF      RTICBCLKHDR
REF      1SECIEP
*
*
*
RTICBCLKHDR EQU $ *****
* THIS IS THE 2-WORD CHAIN-HEADER OF ACTIVE CLOCK=3 ICB
*
GEN,15,17 0,SYICB1 LINK TO 1ST ACTIVE ICB
GEN,15,17 0,SYICB1 LINK TO LAST ACTIVE ICB
*
*
*
BBUND      8
SYICB1 EQU $ *****
* THIS IS THE 5-WORD SYSTEM ICB WHICH DRIVES THE CLOCK=
* (TIME OF DAY) TASKS
*
GEN,1,3,3,2,1,5,17 1,0,3,2,1,0,0
*
* | | | |
* | | | |-----ICBSTATSY
* | | | |-----ICBSTATYP
* | | | |-----ICBSTATINT
* | | | |-----ICBSTATA
*
SYICBTUN EQU $
GEN,32 600 ICBTUN
SYICBCLK EQU $
GEN,32 600 ICBCLK
GEN,15,17 0,1SECIEP ICBSYSEP
GEN,32 0 ICBBLNK

```

```

470 *
471 *
472 *
473 DEF CJOB
474 DEF MFL
475 REF CPE
476 MFL EQU CPE
477 01 00117 00000000 A RAD1ST DATA 0
478 01 00118 00000000 A S;BSPIN DATA 0 BIT MAP OF BATCH ALLOCATED AVR ENTR
479 01 00119 00000000 A DATA 0,0
      01 0011A 00000000 A
480 01 0011B 00000000 A S;BSPIN DATA 0 BIT MAP OF ONLINE ALLOCATED AVR ENTR
481 01 0011C 00000000 A DATA 0,0
      01 0011D 00000000 A
482 01 0011E 00000000 A SIGSPIN DATA 0,0,0
      01 0011F 00000000 A
      01 00120 00000000 A
483 DEF S;SYMDB,S;SYMDB,S;SYMDG
484 * THE ORDER OF THE DEFAULT PERIFIS IS NECESSARY
485 01 00121 FFFFFFFF A S;SYMDB DATA =1
486 01 00122 FFFFFFFF A S;SYMDG DATA =1
487 01 00123 FFFFFFFF A S;SYMDB DATA =1
488 01 00124 0000800F A PL;JIF DATA X'800F; JOB INDEP PART FLGS
489 * HOLD,LOCK,CR,TRM,RP
490 DEF SLICBMAXG # OF DISK BLOCKS PER CONCURRENT
491 ** OUTPUT MODE 'CHUNK'.
492 DEF SH;COMID SEED FOR CONCURRENT OUTPUT MODE ID;
493 DEF SH;STEAL FLAG FOR WHETHER OR NOT TO STEAL PF;
494 01 00125 00000050 A SLICBMAXG DATA 80 DEFAULT CHUNK SIZE = 80 DISK BLOCKS
495 01 00126 0001 A SH;COMID DATA,2 1 SEED FOR COMODE I.D.
496 01 00126 2 0001 A SH;STEAL DATA,2 1 ALLOW PFA STEALING BY DEFAULT
497 01 00127 00000000 A S;PCORE DATA 0
498 BOUND 8
499 01 00128 00000000 A HIGH DATA 0
500 01 00129 00000000 A LOW DATA 0
501 01 0012A 00000000 A S;LCORE DATA 0 # PAGES LOCKED IN CORE CURRENTLY
502 DEF S;PCORE,HIGH,LOW

```

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503

504

01 0012B

00000000 A

M0NCHK

DEF  
DATA

M0NCHK  
0

MONITOR PROCEDURE CHECKSUM

H01

12:26 SEP 08, '75

506				DEF	GMBSIZ	
507		00000022		EQU	34	
508				BOUND	8	
509				DEF	ALLBDIRA	
510	01	0012C	00000000 A	ALLBDIRA	DATA	0,0
	01	0012D	00000000 A			
511		00000008		CFUSIZE	EQU	8
512		0000004F		CJOB	EQU	X'4F'
513				DEF	RQLDGA	
514	01	0012E	00000000 N	RQLDGA	DATA	SDGA
515				DEF	CFUSIZE	
516	01	0012F	00000000 A	RCVRCNT	DATA	0
517				BOUND		8
518	01	00130	00000000 A	TEMPT	DATA	0,0
	01	00131	00000000 A			
519	01	00132	00000000 A	CLCKTMP	DATA	0,0
	01	00133	00000000 A			

SIZE EACH CFU ENTRY

521				DEF	NMPB	
522		FFFFFFFA		EQU	22	



524  
525  
526  
527  
528  
529  
530  
531  
532  
533

\*  
\*  
\*

DEFS FOR PARAMETERS OF MONITOR TABLES.

```

DEF BTDBIT,MBGBIT,CFUBIT,OPLBBIT,BATYC
DEF BUFMSIZ          ERROR LOG USABLE BUFFER SIZE
DEF BUFTSIZ          ERROR LOG TOTAL BUFFER SIZE
DEF NARMASK,TRAPFLGB,TRAPFLAG,TCB,PSMASK,FXMASK
DEF FLTMASK,DECMASK
REF TRPFLAGS,TCBADR
DEF WABLK,WAARS,WAFCN
    
```

535	00000019	BTDBIT	EQU	25	BIT POSN OF BYTE DISPL. (LAST BIT)
536	00000008	MBGBIT	EQU	8	BIT POSN OF BUFFER IND.
537	00000006	WABLK	EQU	6	WA(BYTE COUNT WORD)
538	00000007	WAFCN	EQU	7	WORD OFFSET IN DCB OF FCN BYTE
539	00000016	BADCBPRI	EQU	22	BA(REL. PRIORITY)
540	00000001	CFUBIT	EQU	1	VALUE OF ASSIGN TYPE FOR DISC.
541	00008000	OPLBBIT	EQU	X'8000'	MASK TO CHECK IF OPLB
542	00000010	HACDA	EQU	16	HA(CURRENT DISC ADDRESS)
543	00000004	WAARS	EQU	4	WA(ACTUAL RECORD SIZE)
544	00000009	BATYC	EQU	9	BA(TYPE OF COMPLETION)

546	00000020	NARMASK	EQU	32	MASK FOR 40
547	00000011	TRAPFLGB	EQU	17	BIT OF TRAPFLAG (FROM RIGHT)
548	EXT	TRAPFLAG	EQU	TRPFLAGS	
549	EXT	TCB	EQU	TCBADR	
550	00000008	PSMASK	EQU	8	MASK FOR STACK VIOLATION
551	00000001	FXMASK	EQU	1	MASK FOR FIXED ARITH VIOL
552	00000004	FLTMASK	EQU	4	MASK FOR FLOAT ARITH VIOL
553	00000002	DECMASK	EQU	2	MASK FOR DECIM ARITH VIOL

```

556 *F*
557 *F* NAME1
558 *F* CURBUF
559 *F*
560 *F* PURPOSE:
561 *F* PROVIDE DATA CELLS FOR THE CP-V ERROR LOGGING
562 *F* MECHANISM.
563 *F*
564 *F* DESCRIPTION:
565 *F*
566 *F* CELL USAGE
567 *F* -----
568 *F* CURBUF POINTS TO BUFFER CURRENTLY IN USE (BUF1 OR BUF2)
569 *F* SGRAN ADDRESS OF 1ST BUFFER ON THE DISC
570 *F* BGRAN CURRENT BACK LINK DISC ADDRESS
571 *F* CURGRAN CURRENT DISC ADDRESS ON DISC
572 *F* FGRAN1 NEXT FORWARD LINK ON DISC
573 *F* FGRAN2 NEXT AFTER FGRAN1 FLINK
574 *F* FGRAN3 NEXT AFTER FGRAN2 FLINK
575 *F*
576 01 00134 0000013D *F* CURBUF DATA BUF1 CURRENT BUF POINTER
577 *
578 01 00135 00000000 A *F* SGRAN DATA 0 FIRST SECTOR OF ERROR LOG FILE
579 *
580 01 00136 00000000 A *F* BGRAN DATA 0 CURRENT BLINK
581 *
582 01 00137 00000000 A *F* CURGRAN DATA 0 CURRENT LBC OF FILE
583 *
584 01 00138 00000000 A *F* FGRAN1 DATA 0 FLINK # 1
585 *
586 01 00139 00000000 A *F* FGRAN2 DATA 0 FLINK # 2
587 *
588 01 0013A 00000000 A *F* FGRAN3 DATA 0 FLINK # 3
589 *
590 01 0013B 00000000 A *F* DATA 0 USED TO RESET FGRAN3 CELL
591 *
592 01 0013C 00000140 *F* BUF1HD DATA BUF1ST NEXT AVAIL WA IN THIS BUFFER

```

```

H01 12:26 SEP 08, 175
593 01 0013D 00000000 A BUF1 DATA 0,0,0 BLINK / FLINK / # WORDS IN BUF 26
    01 0013E 00000000 A
    01 0013F 00000000 A
594 01 00140 00000000 A BUF1ST EQU $ FIRST USABLE LOC IN BUF
595 01 00140 00000000 A RES 80 RESERVE BUF SPACE
596 00000050 BUFMSIZ EQU *-BUF1ST # OF USABLE WORDS IN BUF
597 00000053 BUFTSIZ EQU *-BUF1 MAX WORDS IN ONE BUFFER
598 *
599 *
600 01 00190 00000194 BUF2HD DATA BUF2ST NEXT AVAIL WA IN THIS BUF
601 01 00191 00000000 A BUF2 DATA 0,0,0 BLINK/FLINK/# WORDS USED IN BUF
    01 00192 00000000 A
    01 00193 00000000 A
602 01 00194 00000000 A BUF2ST EQU $ RESERVE BUFFER SPACE
603 01 00194 00000000 A RES 80
604 *
605 01 001E4 00000000 A ERBLOCK DATA 0 # OF MISSED RECORDS COUNTER
606 *
607 01 001E5 00000000 A ERRCBUNT DATA 0 ERROR LOGGER IN PROGRESS FLAG
608 *
609 01 001E6 00000000 A ERINPRG DATA 0 NON-ZERO IF WE HAVE BEEN RECORDING
610 *
611 ***** DIAGNOSTIC DATA WORDS
612 01 001E7 00000000 A DID DATA 0 ID OF DIAG USER
613 01 001E8 00000000 A $ISSCRCH DATA 0 SLAVE REQUESTED SCREECH FLAG
614 000001E9 TABLESZ EQU **TABLES
615 END

```

CONTROL SECTION SUMMARY: 01 001E9 PT 0

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\* SYMBOL VALUES

BADCBPRI/00000016  
 BUF2ST/01 00194  
 CSEI\$PATH\$INIT/00000004  
 D2/0000000D  
 I/0000000A  
 R1/00000001  
 R5/00000005  
 SR1/00000008  
 SYSICB1/01 00142

\* EXTERNAL DEFINITIONS

ACNTBL/01 000C5  
 ADRLIST/0000000E  
 AUTORDCB/EXT  
 BGRAN/01 00136  
 BUFTSIZ/00000053  
 CFUSIZE/00000008  
 CNMLNDCB/01 0003B  
 CSED\$BREG/01 00097  
 CSED\$EA\$VIRT/01 000AF  
 CSED\$ERR/01 000B2  
 CSED\$IFLG/01 000AC  
 CSED\$MAPPED/01 000B3  
 CSED\$PSD/01 00098  
 CSED\$SPDF/01 000B5  
 CSED\$WHY/01 0009A  
 CTIMASTR/EXT  
 CT0C/01 00017  
 DCT\$MASK/00000006 S  
 DEVCTCHK/01 00047  
 ERBLOCK/01 001E4  
 EXECPSD/01 0007A  
 FGRAN3/01 0013A  
 GOODNGT/01 00014  
 INTCNT/01 00106  
 INVERTED\$DCT\$MASK/01 0001E  
 I0PSD/01 0004C

BUF1HD/01 0013C  
 CNM/00000001  
 D3/0000000E  
 LEE10/01 00075  
 R2/00000002  
 R6/00000006  
 SR2/00000009  
 TABLESZ/000001E9

ACNTBLM/0000003F  
 ADRLNID/0000000B  
 AUTORDL/EXT  
 BOOTIC/01 00108  
 BUF1/01 0013D  
 CJOB/0000004F  
 C0PBNFLG/01 00019  
 CSED\$CF/01 00086

CSED\$ERRLOG\$BUF/01 000A6  
 CSED\$INST/01 000AE

CSED\$REGS/01 00087  
 CSED\$STOP/01 000A5  
 CSED\$3STAT/01 000B9  
 CTISLAVE/EXT  
 CURBQ/01 00016  
 DCT\$MASK\$1/01 00022  
 DID/01 001E7  
 ERINPR0G/01 001E6  
 FDFLAGS/01 0000B  
 FLTMASK/00000004  
 HALT/EXT  
 INTFLG/01 00107  
 LASTYPE/01 00015

BUF1ST/01 00140  
 CSED\$3STAT\$ADR/01 0009D  
 DCT\$FLD/LIST  
 D4/0000000F  
 P/LIST  
 R3/00000003  
 R7/00000007  
 SR3/0000000A  
 :B560MA/EXT

ADDRMASK/EXT  
 ALL0DIRA/01 0012C  
 AVRDC/01 00049  
 BTDBIT/00000019  
 BUF2/01 00191  
 CLK3PSD/01 00054  
 CSED\$BEST\$END/01 000B1  
 CSED\$EA\$REAL/01 000B0  
 CSED\$EL\$PSD/01 000A8

CSED\$LINK/01 000B8  
 CSED\$MSG/01 0009E  
 CSED\$RTRY\$CNT/01 000B6  
 CSED\$STOP\$TABLE/01 00086  
 CSEP\$MSG\$SIZE/0000000C  
 CTACT/01 00018  
 CURBUF/01 00134  
 DCT\$MASK\$2/01 00023  
 DLTBIAS/01 00074  
 ERRCOUNT/01 001E5  
 FGRAN1/01 00138  
 FXMASK/00000001  
 HIGH/01 00128  
 INUSEL/EXT  
 I0CLINC/01 00048  
 LEE20/01 00064

BUF2HD/01 00190  
 D1/0000000C  
 HACDA/00000010  
 RD/00000000  
 R4/00000004  
 SECT0R\$FLD/LIST  
 SR4/0000000B

ADR1ECB/00000009  
 ALL0OUT/01 00010  
 BATYC/00000009  
 BUFSIZ/00000050  
 CFUBIT/00000001  
 CL0CKTMP/01 00132

CSED\$FI\$REAL/01 000AD  
 CSED\$LOG\$MPI/01 000B7  
 CSED\$PATH/01 000B4

CTFLAGS/01 00046  
 CURGRAN/01 00137  
 DECMASK/00000002  
 DRSP/01 0001D  
 EXECINST/01 00078  
 FGRAN2/01 00139  
 GMBISZ/00000022  
 IBRKEXEC/01 00076  
 I0CL0CK/01 0004A  
 LFGUN/01 0000A

H01 12:26 SEP 08 175  
 LNDEVC/0000D3D5  
 M8CMNEM/0000D4D6  
 MPIUPPT/01 00044  
 8P1BBIT/000080D0  
 8PNCL SUS/01 0001A  
 PSMASK/00000008  
 REGMASK/01 0003A  
 S:ACORE/01 0003D  
 SILCORE/01 0012A  
 S:SSCRCH/01 001E8  
 S:SYMDG/01 00122  
 SECTOR#MASK#1/01 00020  
 SGB/01 00011  
 SHICMID/01 00126  
 SIPSD3/01 00082  
 SLISTLM/01 00040  
 SYSACTL/01 00105  
 T:8VBPSD/01 00058  
 TQRP SD/01 00070  
 TXTCFU/01 00002  
 WABLK/00000006  
 3ANDCNT/01 000BE  
 3FIRSTC/01 000C1  
 3RCNT/01 000BF

LOW/01 00129  
 M8NCHK/01 00128  
 N80MASK/00000020  
 8PNBIT/EXT  
 PLIJIF/01 00124  
 Q4AVL/01 00024  
 RQLDGA/01 0012E  
 SIBSPIN/01 00118  
 S:8SPIN/01 00118  
 S:STL#/01 0003E  
 S:SYMDB/01 00123  
 SGL/01 00012  
 SHISTEAL/01 00126 2  
 SKIPPSD/01 00060  
 SLDMOVE/01 0000C  
 SYSICBLK/01 00114  
 TABLES/01 00000  
 TQVPSD/01 0006C  
 UNEXP/01 0004B  
 WAFCN/00000007  
 3BUF CLR/01 000C4  
 3LAST/01 000C2  
 75BUF/01 00009

M8GBIT/00000008  
 MP:UPPC/01 00045  
 NMP8/FFFFFFEA  
 8PNCL SL/EXT  
 P8WR8N/01 0007E  
 RAD1ST/01 00117  
 RTICBCLKHDR/01 00110  
 S:CRASHUN/01 0001C  
 S:PCORE/01 00127  
 S:STLC/01 0003F  
 SECTOR#MASK/01 0001F  
 SECTOR#MASK/01 00021  
 SGRAN/01 00135  
 SIPSD1/01 00082  
 SL:COMAXG/01 00125  
 SLVLNCT/01 0003C  
 SYSICBUN/01 00113  
 TCB/EXT  
 TRAPFLAG/EXT  
 VAL:INDX/00000015  
 OPSD/01 00000  
 3CBUNT/01 000BB  
 3LASTC/01 000C3  
 75TABLE/01 00003

MFL/EXT  
 MP:UPPH/01 00043  
 8CPSD/01 00050  
 8PNCLSTK/01 0001B  
 PSD:8FAIL/01 00068  
 RCVRcnt/01 0012F  
 S:8SPIN/01 0011E  
 S:IPWP#/01 00042  
 S:SYMDB/01 00121  
 SGT/01 00013  
 SIPSD2/01 00082  
 SL:RSVP/01 00041  
 SLVLNST/EXT  
 T:8VBALPSD/01 0005C  
 TEMPT/01 00130  
 TRAPFLGB/00000011  
 WAARS/00000004  
 3ANDADD/01 000BC  
 3FIRST/01 000C0  
 3RADD/01 000BD

\* PRIMARY REFERENCES  
 BEGIN8N BT31T80  
 I8INT JIBASE  
 RETURN R88TSA  
 TRPFLAGS TSTACK  
 Y0002 Y0004  
 \* SECONDARY REFERENCES  
 C8MSTAT C8PSTAT

CLOCKI  
 JTSTACKSZ  
 SDGA  
 X20  
 Y0008  
 T:ISLAVE

CPE  
 MASKS  
 T:8VB  
 X3  
 1SECIEP  
 CSE:ERR  
 M17  
 T:8VBAL  
 X40  
 IB560

CSE:STOP:8FAIL  
 NB31T80 8CINT  
 TCBADR TQRETURN  
 X80 Y0001  
 IB9

\* NO UNDEFINED SYMBOLS  
 \* ERROR SEVERITY LEVEL: 0  
 \* NO ERROR LINES

