

```

                                IDENT      INI.0
                                PROGRAM LENGTH
                                BLOCKS
000000  002363  PROGRAM*  ABSOLUTE
                                PERIPH
                                0000012  TAPECHN  EQU      128
                                0000011  ENDPB    EQU      9
                                0000010  DSPCHN  EQU      108
                                *
0000                                ORG      0
0000  1777                                VFD    12/60-1
0020                                ORG    208
0020  X1                                BSSZ   1
0021  0000  CM0                            DATA 0
0022  0000  CM1                            DATA 0
0023  0000  CM2                            DATA 0
0024  0000  CM3                            DATA 0
0025  0000  CM4                            DATA 0
                                *
2000                                ORG    2000B
2000                                DATA 2500B
2001  0512 2004                                IJM   *+3,10
2003  7512                                DCN   10
2004  0513 2007                                IJM   *+3,11
2006  7513                                DCN   11
2007  0100 2011                                LJM   AGAIN
                                *
                                *
2011  0200 2247                                AGAIN  RJM   CHECK
2013  5600 2041                                AUM   P1
2015  5600 2057                                AUM   P2
2017  5600 2071                                AUM   P3
2021  5600 2101                                AUM   P5
2023  5600 2106                                AUM   P7
2025  5700 2117                                SUM   P9
                                *
                                *
2027  7712 1401                                FNC   1401B,TAPECHN
2031  7412                                ACN   TAPECHN
2032  4000 5000                                LDC   5000B
2034  7112 2363                                IAM   BUF,TAPECHN
2036  0524                                NJN   SHORT1
2037  2000 4660                                LDC   5000B-80
2041  7300 2503                                P1    OAM   BUF+80*0
                                *
                                *
2043  0200 2247                                LOOP1  RJM   CHECK
2045  7712 1401                                FNC   1401B,TAPECHN
2047  7412                                ACN   TAPECHN
2050  2000 5000                                LDC   5000B
2052  7112 2363                                IAM   BUF,TAPECHN
2054  0521                                NJN   SHORT2
    
```

TURN OFF TRACE

READ IN A PHYSICAL RECORD
 WAS A SHORT RECORD

SEND TO PROPER PPU SKIP 1ST CARD

READ ANOTHER PHYSICAL RECORD
 WAS A SHORT RECORD

2055	2000 5000		LDC	5000B	
2057	7300 2363	P2	OAM	BUF,0	SEND TO PROPER PPU
2061	0391	*	UJN	LOOP1	
2062	2377 7777	SHORT1	LMC	777777B	
2064	2100 4660		ADC	5000B-80	
2066	0603		PJN	*+3	
2067	0100 2105		LJM	FINISHPP	
2071	7300 2503	P3	OAM	BUF+80,0	
2073	0100 2011	*	LJM	AGAIN	
2075	2377 7777	SHORT2	LMC	777777B	
2077	2100 5000		ADC	5000B	
2101	7300 2363	P5	OAM	BUF,0	
2103	0100 2011	*	LJM	AGAIN	
	0002105	*	FINISHPP	EQ0	*
2105	1404	*	LOOP2	LDN	4
2106	7300 2120	P7	OAM	DEADLOOP,0	
2110	5600 2106		AUM	P7	
2112	5700 2117		SUM	P9	
2114	0570		NJN	LOOP2	
2115	0100 2124		LJM	PPSDONE	
2117	0012	P9	DATA	10	
2120	0000	*	DEADLOOP	DATA	0,2400B,0,0300B
2124	7712 1401	*	PPSDONE	FNC	1401B,TAPECHN
2126	7412		ACN	TAPECHN	
2127	2000 5000		LDC	5000B	
2131	7112 2363		IAM	BUF,TAPECHN	
2133	0524		NJN	SHORT3	
2134	2000 1000		LDC	1000B	
2136	3420		STD	X1	
2137	5000 2203		LDM	CMPOS	
2141	1014		SHN	12	
2142	5100 2204		ADM	CMPOS+1	
2144	0320 2363		CWM	BUF,X1	
2146	5400 2204		STM	CMPOS+1	
2150	1063		SHN	-12	
2151	1277		LPN	77B	
2152	5400 2203		STM	CMPOS	
2154	0200 2247		RJM	CHECK	
2156	0345	*	UJN	PPSDONE	
2157	2000 1000	SHORT3	LDC	1000B	
2161	3420		STD	X1	
2162	5000 2203		LDM	CMPOS	
2164	1014		SHN	12	
2165	5100 2204		ADM	CMPOS+1	
2167	0320 2363		CWM	BUF,X1	

2171	5400	2204		SIM	CMPOS+1	
2173	1093			SHN	-12	
2174	1277			LPN	77B	
2175	5400	2203		SIM	CMPOS	
2177	0200	2247		RJM	CHECK	
2201	0100	2205		LJM	CMDONE	
			*			
			*			
2203	0000			CMPOS	DATA	0,0
			*			
			*			
2205	1402			CMDONE	LDN	2
2206	6061				CRD	CM0
						GET POINTER TO CM FL ETC
2207	1405				LDN	5
2210	3420				STD	X1
2211	3024				LDD	CM3
2212	1014				SHN	12
2213	3125				ADD	CM4
2214	6120	2363			CRM	BUF,X1
					LDN	4
2216	1404					GET CM FL ETC
2217	3420				STD	X1
2220	6320	2366			CRM	BUF+3,X1
						WRITE CMFL ETC INTO INITIAL XJ PACK SHIFTED BY 36
			*			
2222	1402				LDN	2
2223	2610				MAN	
2224	2500				DATA	2500B
2225	1401			CMDONE1	LDN	1
					CRD	CM0
2226	6021				LDD	CM4
2227	3025				ZJN	CMDONE1
2230	0474				DATA	2400B
2231	2400					WAIT FOR COMPLETION OF INITIALIZATION TURN ON TRACE
			*			
			*			
			*			
2232	7501				DCN	1
2233	7502				DCN	2
2234	7503				DCN	3
2235	7504				DCN	4
2236	7505				DCN	5
2237	7506				DCN	6
2240	7507				DCN	7
2241	7510				DCN	8
2242	7511				DCN	9
2243	2500				DATA	2500B
2244	0000				DATA	0,0300B
			*			
			*			
			*			
2246	0100	0000			LJM	0
		0002247		CHECK	EQU	*-1
2250	7712	1300			FNC	1300B,TAPECHN
2252	7412				ACN	TAPECHN

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2253 7012 IAN TAPECHN GET TAPE STATUS DATA
2254 7512 DCN TAPECHN
2255 1010 SHN 17-ENDOPB
2256 0703 M3N *+3
2257 0100 2250 LJM CHECK+1 NOT END OF OP
2261 1023 SHN 18-17+ENDOPB+17-8
2262 0603 PJN *+3
2263 0100 2276 LJM LOSTDATA LOST DATA
2265 1020 SHN 18-17+8+17-10
2266 0603 PJN *+3
2267 0100 2273 LJM PARITY PARITY ERROR
2271 0100 2246 LJM CHECK-1

*
2273 2000 2321 PARITY LDC PMSG
2275 0304 U3N DSP

*
2276 2000 2342 LOSTDATA LDC LMSG
2300 0301 U3N DSP

*
2301 5400 2316 DSP SIM DSP2+1
2303 6510 2311 IJM DSP3,DSPCHN
2305 1404 LUN 4
2306 7310 2120 OAM DEADLOOP,DSPCHN
2310 7510 DCN DSPCHN

*
2311 7710 7000 0002311 DSP3 EQU *
DSP1 FNC 7000B,DSPCHN
2313 7410 ACN DSPCHN
2314 1417 LUN 15
2315 7310 0000 DSP2 OAM 0,DSPCHN
2317 7510 DCN DSPCHN
2320 0370 U3N DSP1

*
*
*
2321 7400 PMSG DATA 7400B,6100B
2323 2091 DATA M#PARITY ERROR*
2331 0000 DATA 0,0,0,0,0,0,0,0,0

*
*
2342 7400 LMSG DATA 7400B,6100B
2344 1417 DATA M#LOST DATA*
2351 0000 DATA 0,0,0,0,0,0,0,0,0

*
*
2363 BUF BSS 0 5000B WORD BUFFER
2363 END
    
```

SYMBOLIC REFERENCE TABLE (PAGE-LOCATION)

AGAIN	0002011	1-02007,	2-02073,	2-02103						
BUF	0002363	1-02034,	1-02041,	1-02052,	2-02057,	2-02071,	2-02101,	2-02131,	2-02144,	2-02167,
		3-02214,	3-02220							
CHECK	0002247	1-02011,	1-02043,	2-02154,	3-02177,	4-02257,	4-02271			
CMDONE	0002205	3-02201								
CMDONE1	0002225	3-02230								
CMPOS	0002203	2-02137,	2-02142,	2-02146,	2-02152,	2-02162,	2-02165,	3-02171,	3-02175	
CMU	0000021	3-02206,	3-02226							
CM3	0000024	3-02211								
CM4	0000025	3-02213,	3-02227							
DEADLOOP	0002120	2-02106,	4-02306							
DSP	0002301	4-02275,	4-02300							
DSPCHN	0000010	4-02303,	4-02306,	4-02310,	4-02311,	4-02313,	4-02315,	4-02317		
DSP1	0002311	4-02320								
DSP2	0002315	4-02301								
DSP3	0002311	4-02303								
ENDOPB	0000011	4-02255,	4-02261							
FINISHPP	0002105	2-02067								
GO	0002000	1-00000								
LMSG	0002342	4-02276								
LOOP1	0002043	2-02061								
LOOP2	0002105	2-02114								
LOSTDATA	0002276	4-02263								
PARITY	0002273	4-02267								
PMSG	0002321	4-02273								
PPSDONE	0002124	2-02115,	2-02156							
P1	0002041	1-02013								
P2	0002057	1-02015								
P3	0002071	1-02017								
P5	0002101	1-02021								
P7	0002106	1-02023,	2-02110							
P9	0002117	1-02025,	2-02112							
SHORT1	0002062	1-02036								
SHORT2	0002075	1-02054								
SHORT3	0002157	2-02133								
TAPECRN	0000012	1-02027,	1-02031,	1-02034,	1-02045,	1-02047,	1-02052,	2-02124,	2-02126,	2-02131,
		3-02250,	3-02252,	4-02253,	4-02254					
X1	0000020	2-02136,	2-02144,	2-02161,	2-02167,	3-02210,	3-02214,	3-02217,	3-02220	