

SDV 0

01 JAN 84 00:00:00 PAGE NO. 1
COMPASS ASSEMBLER VERSION 1.1A4

		IDENT	SDV,0
	006163	PROGRAM LENGTH	
		BLOCKS	
00000000	006163	PROGRAM#	ABSOLUTE
00000001	CPCPCM	PERIPH	
00000002	CPCMTOEC	REGC	18
00000004	CPTOUSER	REGC	28
00000010	CPINTHNG	REGC	48
*			
00000007	CONVERR	REGU	00078
00000410	TPERR	REGU	64108
00000010	TPFMX	REGU	108
00020000	TPARERR	REGU	20008
00010000	TPENDOP	REGU	1000B
00000008	TPAUSY	REGU	0002B
00000001	PJCTBT	REGU	0001B
*			
00000005	TPFRRBTS	REGU	0005B
00000003	RDYSSY	REGU	0003B
00000004	WRTENB	REGU	0004B
00040000	NTRSVDO	REGU	4000B
00000001	RDY	REGU	1
*			
00000020	I_POINTS	REGU	22B
00000020	SDVCANTS	REGU	20B
*			
00000012	TPCHN	REGU	12B
*			
00000012	INTCHAN	REGC	5
00000002	SDVINTX	REGC	5
*			
*			
0001001	RCDSZ	REGU	1001B

SNV

0

01 JAN 84 00:00:00 PAGE NO. 2

0000
0000 1044
0001
0010

*
*
*
*
ORG 0
VFD 12/START-i
ORG 108

0010
0014

ROST
ACT

NSN
NSN

*
*

0015
0016
0017
0020
0021

0000016

RESPNSE
EFFLAG
DVCSTAT
CNVSTAT

NSN
NSN
NSN
NSN

*
*
*
*

0022
0023
0024
0025
0026

0000022

CPRQST
CPDVCMBS
CPBUFPDS
CPCNT
CPACT

NSN
NSN
NSN
NSN
NSN

*
*
*
*
*

0027

CHK

NSN

*

0034 0000

NRO

DATA

0,0,0,0,0,0

0041
0042

X0
X1

NSN
NSN

*

0043 1002

VFCNT

VFD

12/RDOSZ-i

SDV 0

01 JAN 84 00:00:00 PAGE NO. 3

0100

0100 1410 RLOOPA
 0101 3426 STD
 0102 1400 LUN
 0103 3423 STD
 0104 0200 1027 RJM

ORG 1008

CPIINHNG
 CpACT
 0
 CPDVCNMB
 SNDRGST

0000106

RLOOPT

EGU

* 2500B TURN OFF TRACE

0106 2500 DATA
 0107 2000 0000 REQ1
 0111 6010 CRD
 0112 3014 LDD
 0113 0472 RQST
 0114 2000 0000 REQ2
 0116 6234 CWD

0
 RQST
 ACT
 RLOOPT
 0
 ZRO

0117 7712 5000 CONNECT FNC
 0121 7712 1200 FNC
 0123 7432 ACR
 0124 7012 TAN
 0125 7512 TPCHN
 0126 3420 DCN
 0127 1201 CNVSTAT
 0128 0403 LPN
 0131 0100 0143 ZJN

5000B,TPCHN TRY TO CONNECT
 1200B,TPCHN
 TPCHN
 TPCHN
 CNVSTAT
 RJCTBT
 *#3
 CONRJT * CONNECT REJECTED

0133 3014 LDD ACT
 0134 2177 7677 AUC #1008
 0136 0703 MJR *#3
 0137 0100 0471 LJM SPECIAL
 0141 0100 0157 LJM SAMPLE

SDV U

01 JAN 84 00:00:00 PAGE NO. 4

0143	0200 0727	CONRJT	RJM	GETST	• GET DEVICE STATUS
0145	2200 0777		LPC	7778	• KILL RESERVED, PARITY, AND ENDOF BITS
0147	0503		NJN	**3	• JUMP IF A UNIT EXISTS
0150	0100 0422	CONERR	LJM	STATUSX	• A REAL CONVERTER ERROR, JUMP
0152	3442		STO	X1	• SAVE BITS
0153	1202		LPN	RDYBSY-RDY	• CHECK READY BIT
0154	0473		ZON	CONERR	• ERROR IF NOT BUSY
0155	0100 0117		LJM	CONNECT	• ELSE TRY TO CONNECT AGAIN

SDV 0

01 JAN 84 00:00:00 PAGE NO. 5

*
*
*

0157	5014 0177	SIMPLE	LDM	CHKACT+ACT
0161	0503		NJN	#+3
0162	0100 0277		LDM	REJECT
0164	7712 1300	SIMPLEL	FNC	1300B,TPCHN
0166	7412		ACN	TPCHN
0167	7012		IAN	TPCHN
0170	7512		DGN	TPCHN
0171	1202		LPN	TPBUSY
0172	0571		NJN	SIMPLEL LOOP ON BUSY
0173	3014		LDO	ACT
0174	7612		FAN	TPCHN
0175	0100 0434		LDM	STATUSA

*

*

*

0177	0000	CHKACT	DATA	0,1;1,1,1,1,1,1,1,0
0207	0001		DATA	1,1;1,1,1,1,1,1,0
0217	0000		DATA	0,0,0,0,0,0,0,0,0
0227	0001		DATA	1,1;0,0,0,0,0,0,0,0
0237	0000		DATA	0,0,0,0,0,0,0,0,0
0247	0000		DATA	0,0,0,0,0,0,0,0,0
0257	0000		DATA	0,0,0,0,0,0,0,0,0
0267	0000		DATA	0,0,0,0,0,0,0,0,0

SDV 0

01 JAN 84 00:00:00 PAGE NO. 6

*

*

0277	1400	REJECT	LUN	0
0300	3420		STD	CNVSTAT
0301	3417		STD	DVCSTAT
0302	2000 4000		LDC	4000B
0304	3416		STD	EFLAG
0305	1404		LDN	OPTouser
0306	3426		STD	OPACT
0307	0100 0775		LJM	FINIE

WAIT 16 SECONDS OR SO OR UNTILL ERROR CONDITIONS GO AWAY

ACT = 200B + X

X = 1 + 2 + 4

1 WAIT FOR READY AND NOT BUSY

2 WAIT FOR WRITE ENABLE

3 WAIT FOR NOT RESERVED

ALSO CONVERTER ERRORS MUST GO AWAY

0311	3014	EWAIT	LDD	ACT
0312	2177 7577		ADD	=200B
0314	2200 0007		LPC	7
0316	3442		STD	X1
0317	5082 0404		LDM	EWAITMSK+X1
0321	5400 0361		STM	PWAITI+1
0323	2000 0000	MCLOCK1	LDC	P
0325	6010		CRD	(MODIFIED)
0326	3012		LDD	RQST
0327	1602		AON	RQST+2
0330	3441		STD	STEPS ABOUT EVERY 10 SECONDS
0331	2176 7777		ADD	X0
0333	0703		MUR	SAVE FINAL CLOCK VALUE
0334	3441		STD	=10000B
				#+3
				X0
				CORRECTED FOR WRAP AROUND
0336	7712 1200	EWAITLP	FNC	1200B,TPCHN
0337	7412		ACR	TPCHN
0340	7012		IAN	TPCHN
0341	7612		OCN	TPCHN
0342	3420		STD	CNVSTAT
0343	7712 1300		FNC	1300B,TPCHN
0345	7412		ACR	TPCHN
0346	7012		IAN	TPCHN
0347	7612		OCN	TPCHN
0350	3417		STD	DVCSTAT
0351	3020		LDD	CNVSTAT
0352	2200 0007		LPC	CNVERR
0354	0511		NZN	EWAITLP1
				CHECK FOR CONVERTER ERROR
0355	3017		LDD	DVCSTAT
0356	2300 0005		LPC	TPERRBITS
0358	2200 0000	EWAIT1	LPC	CHECK DEVICE STATUS BITS
0360	0503		NZN	(MODIFIED BY ACT)
0362				EWAITLP1
0363	1400		LDN	0
0364	0313		UQN	EWAITF
0365	2000 0000	EWAITLP1	LPC	(MODIFIED)
0367	6010		CRD	RQST
0370	3012		LDD	RQST+2
				CHECK TIME

SDV

0

0371	3241		SBD	X0
0372	0403		ZJN	4+3
0373	0100 0335	*	LJM	EWAITLP RETRY
0375	2000 4000		LDC	4000B ERROR EXIT, TIME RAN OUT
0377	3415	EWAITF	STD	
0406	1404		LDN	EFLAG
0401	3426		STD	CPTouser
0402	0100 0775	*	LDM	CPACT
0404	0000	EWAITMSK	VFD	12/0
0405	0003		VFD	12/RDYBSY
0406	0004		VFD	12/WRTENB
0407	0007		VFD	12/ROVBSY+WRTENB
0410	4000		VFD	12/NTRSV
0411	4003		VFD	12/ROVBSY+NTRSV
0412	4004		VFD	12/WRTENB+NTRSV
0413	4007		VFD	12/ROVBSY+WRTENB+NTRSV

01 JAN 84 00:00:00 PAGE NO. 8

SOV

0

01 JAN 84 00:00:00 PAGE NO. 9

0414	7712 1200	STATUS	FNC	1200B,TPCHN
0416	7412		ACN	TPCHN
0417	7012		IAN	TPCHN
0420	7512		DON	TPCHN
0421	3420		STD	CNVSTAT

0422	7712 1300	STATUSX	EQU	*
0424	7412		ACN	1300B,TPCHN
0425	7012		IAN	TPCHN
0426	7512		DON	TPCHN
0427	3417		STD	DVCSTAT
0430	1404		LDM	CPTouser
0431	3426		STD	CPACT
0432	0100 0760		LDM	FINI

0434	7712 1200	STATUSA	FNC	1200B,TPCHN
0436	7412		ACN	TPCHN
0437	7012		IAN	TPCHN
0440	7512		DON	TPCHN
0441	3420		STD	CNVSTAT

0442	0200 0727		RJM	GETST
0444	1404		CPTouser	* GET DEVICE STATUS
0445	3426		STD	CPACT

0446	2000 4000		LDC	2000B
0450	3415		EFLOC	EFFLAG
0451	3020		EFLOC	CNVSTAT
0452	2200 0007		EFLOC	CNVERR
0454	0403		EFLOC	*+3
0455	0100 0775		LJM	FINIE , DONE IF ERROR
0457	3017		EFLOC	DVCSTAT
0460	2200 4400		EFLOC	TPERR-TPARERR-TPEMK , IGNORE PARITY AND FILEMARK BITS
0462	0403		EFLOC	*+3
0463	0100 0775		EFLOC	FINIE
0465	1400		EFLOC	0
0466	3415		LDM	EFFLAG
0467	0100 0775		LDM	FINIE * SO NO ERRORS

SnV 0

01 JAN 84 00:00:00 PAGE NO. 10

0471	1703	SPECIAL	SBN	3R
0472	0703		MJN	*+3
0473	0100 0510		LJM	SPECIAL2
0475	1603		ADN	3R
0476	1001		SHN	IR
0477	3414		STD	ACT
0500	0114 0502		LJM	SPECIAL1,ACT
*				
0502	0100 0414	SPECIAL1	LJM	STATUS
0504	0100 0520		LJM	READ
0506	0100 0644		LJM	WRITE
*				
0510	3014	SPECIAL2	LUD	ACT
0511	2177 7577		ADD	-2008
0513	0603		PJN	*+3
0514	0100 0277		LJM	REJECT
0516	0100 0311		LJM	FWAIT

SDV

0

01 JAN 84 00:00:00 PAGE NO. 11

		*		
0520	0200 0727	READ	RJM	GETST
0522	2300 0005		LMO	TPERRBTS
0524	2200 4003		LPC	RDYBSY+NTRSV
0526	0405		ZUN	READGO
0527	1102		LMN	RDYBSY-RDY
0530	0467		ZUN	READA . LOOP ON ONLY BUSY
0531	0100 1004			FINIX
0532	7712 1401	READAO	TLCM	1401B,TPCHN
0533	7412		ACN	TPCHN
0534	1402	RWAIT	LDN	2
0535	3442		STD	X1
0536	6612 0572	RWAIT1	FUM	READA,TPCHN
0537	1400		LDN	0
0538	6612 0572	RWAIT2	FUM	READA,TPCHN
0539	1701		SBN	1
0540	6612 0572		FUM	READA,TPCHN
0541	6612 0572		FUM	RWAIT2
0542	3012 0572		FUM	READA,TPCHN
0543	6612 0572		SBN	X1
0544	1701		FUM	READA,TPCHN
0545	6612 0572		SBN	1
0546	0500 1012		FUM	RWAIT2
0547	0100 1012	READA	BLANKTPE	
0548	6612 0572		LDN	READA,TPCHN
0549	3442		STD	X1
0550	6612 0572	RWAIT1	FUM	READA,TPCHN
0551	0346		UJN	RWAIT1
0552	2000 5005	READA	LDC	SERCDSZ
0554	7112 1156		RAM	PPUBUF+S,TPCHN
0556	6512 0601		ROM	READ1,TPCHN
0558	7612 0601		DC2	TPCHN
0559	2074 7777	READY	ACB	7777778
0560	2100 5005		ACB	SERCDSZ
0561	1400 1155		STD	PPUBUF+4
0562	5400 1151		STD	0
0563	5400 1152		STD	PPUBUF
0564	5400 1153		STD	PPUBUF+1
0565	5400 1154		STD	PPUBUF+2
0566			STD	PPUBUF+3
0620	2000 0000	BUF4	TM	*
0622	1701		MD	0
0623	6027		MD	1
0624	3033		MD	CHK
0625	0572		MD	CHK+4
0626	2000 0000	BUF4	TZFC	READ2
0630	6343 1151		CWM	0
0632	1406		LDN	PPUBUF,TPCNT CPTOUSER+CPCMTDEC

SDV

0

0633	3426	STD	CPIACT
0634	3043	LDD	TPCNT
0635	3425	STD	CPCNT
0636	1400	LDN	0
0637	3424	STD	CPRUFFPOS
0640	1400	LDN	0
0641	3423	STD	CPDVCNMB
0642	0100 0737	LJM	OPCHK

01 JAN 84 00:00:00 PAGE NO. 12

SDV

0

01 JAN 84 00:00:00 PAGE NO. 13

0644	1401	WRITE	LDN	CPECTOCM
0645	3426		STD	CPIACT
0646	3043		LDD	TPCNT
0647	3425		STD	CPCNT
0650	1400		LDN	0
0651	3424		STD	CPBUFPOS
0653	1400		LDN	0
0653	3423		STD	CPDVCNMB
0654	0200 1027		RJM	SNDRQST
		*		
0656	2000 0000	00000656	WRITEL	EQU
0660	1701		RUF5	LDC
0661	6027			SBN
0662	6028			CKD
0663	6572			LDD
0664	2000 0000			NUN
0666	6143 1151		BUFF6	LDC
0670	0200 0727			CRM
0672	2300 0005		WRIT2	RJM
0674	2200 4007			LPC
0676	0405			ZUN
0677	1102			LMN
0700	0407			ZUN
0701	0100 1004			LJM
0703	7712 1601		WRIT60	FNC
0705	7412			1601B, TPCHN
0706	5000 1155			ACR
0710	7312 1156			LDM
0712	6612 0712			OAM
0714	7512			FDM
0715	1404			TPCHN
0716	3426			DCN
0717	0200 0727		WRITECK	STD
0721	2200 0002			RJM
0723	0573			LDC
0724	0100 0737			NUN
		*		LJM
		*		OPCHK
		*		
0726	0100 0000			LJM
	00000727		GETST	EQU
0730	7712 1300			0
0732	7412			-1
0733	7012			FNC
0734	7512			1600B, TPCHN
0735	3417			ACR
0736	0367			TPCHN
		*		IAN
		*		TPCHN
		*		DCN
		*		TPCHN
		*		DVCSTAT
		*		GETST-1

. TOGGLE BUSY BIT
. LOOP IF IT IS ONLY CAUSE FOR ERROR
. WAIT ON NOT BUSY FOR READ/WRITE

SDV

0

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

*
*
*
0737 7712 1200 OPCHK FNC 1200B,TPCHN
0741 7412 ACN TPCHN
0742 7012 IAN TPCHN
0743 7512 DCN TPCHN
0744 3420 STD CNVSTAT
0745 7712 1300 OPCHK1 FNC 1300B,TPCHN
0747 7412 ACN TPCHN
0750 7012 IAN TPCHN
0751 7512 DCN TPCHN
0752 3417 STD DVCSTAT
0753 2200 1000 LPG TSENDOP
0755 0457 ZUN OPCHK1
0756 0100 0760 LJM FINI

SDV

0

01 JAN 84 00:00:00 PAGE NO. 15

0760	2000 4000	FINI	LDC	4000B
0762	3415		STD	EFLAG
0763	3020		LDC	CNVSTAT
0764	2200 0007		LPC	CNVERR
0766	0507		NJN	FINIE

0767	3017		LDC	DVCSTAT
0770	2200 6410		LDC	TPERR
0772	0503		NJN	FINIE
0773	1400		LDC	0
0774	3415		STD	EFLAG

	0000775	FINIF	R4U	*
0775	2000 0000	RSPL	LDC	0
0777	2200 0000		STD	RESPNSE

1000	0200 1027	FINIL	RJM	SNDRQST
1002	0100 0106		RJM	RLOOPIT

1004	2000 4000	FINIX	LDC	4000B
1006	3415		STD	EFLAG
1007	1404		LDC	CPTouser
1010	3426		STD	CPACT
1011	0303		UJR	FINIE

* SEND RESPONSE TO USER

1013	3017	BLANKTPC	LDC	DVCSTAT
1015	2200 0003		LDC	RDY+WRTEBS
1016	3417		STD	DVCSTAT
1017	1400		LDC	0
1020	3420		STD	CNVSTAT
1022	0612 1023		IJM	BLANKTP1,TPCHN
1023	7842		DCN	TPCHN
1025	0612 1700	BLANKTP1	FNC	1700S,TPCHN
1026	0612 1700		UJR	FINIX

* MASTER CLEAR TO STOP TAPE

SDV

0

01 JAN 84 00:00:00 PAGE NO. 16

1026	0100 0000		LJM	0
	0001027	SNDRQST	EQU	*-1
1030	2000 0000	RUF1	LOC	0
1032	1701		SBZ	1
1033	6027		CRO	CHK
1034	3033		LOC	CHK*4
1035	0572		NUN	SNDRQST*1
1036	2000 0000	RUF2	LOC	0
1040	1701		SON	1
1041	6222		CNU	CPRQST
1042	1402		LDN	SDVINTX
1043	7211		OAN	INTCHAN
1044	0361		UON	SNDRQST*-1

SDV

		START	LBN	I ₅	
1045	1417		SBN	1	
1046	1701		NUN	*=1	DELAY FOR ALL CHANNELS TO BE RELEASED
1047	0576				
1050	2000 0022	*	LDC	I.POINTS	
1052	1602		ADD	SDVCPTS	
1053	6027	*	CRO	CHK	SET VALUE OF I.SDVC
1054	2000 1132	*	LDC	REQADS	
1056	3441		STD	X0	
1057	1400		LBN	0	
1060	0200 1107	*	RJM	SETADS	
1062	2000 1135	*	LDC	RSPADS	
1064	3441		STD	X0	
1065	1401		LBN	1	
1066	0200 1107	*	RJM	SETADS	
1070	2000 1137	*	LDC	BUFADS	
1072	3441		STD	X0	
1073	1403		LBN	3	
1074	0200 1107	*	RJM	SETADS	
1076	2000 1146	*	LDC	MCLKADS	
1100	3441		STD	X0	
1101	1402		LBN	2	
1102	0200 1107	*	RJM	SETADS	
1104	0100 0100	*	RJM	RLOOPA	
1106	0100 0000		LJM	0	
1110	0001107	SETADS	EGU	*=1	
	31133		ADD	CHK=4	
	60110		CRO	ROST	
	600103		LDD	ACT=1	
	6341170		STD	77B	
	4041		LDC	ACT=1	
	0467		LDI	X0	
	3442		SJN	SETADS=1	
	4042		STD	X1	
	2200 7700		LDC	X1	
	3113		ADD	7700B	
	4442		STI	ACT=1	
	3014		LDD	X1	
	5442 0001		STM	ACT	
	3641		ADD	I,X1	
	0363		UJN	X0	
				SETADLP	

01 JAN 84 00:00:00 PAGE NO. 17

SDV

0

01 JAN 84 00:00:00 PAGE NO. 18

			*		
			*		
1132	0107	0001132	REQADS	EQU VFO	*
1133	0114			VFO	12/REQ1
1134			*		12/REQ2
1134	0000			DATA	0
			*		
			*		
1135	0775	0001135	RSPADS	EQU VFO	*
1136			*		12/RSP1
1136	0000			DATA	0
			*		
			*		
1137	1030	0001137	BUFADS	EQU VFO	*
1140	1036			VFO	12/BUF1
1141	0620			VFO	12/BUF2
1142	0626			VFO	12/BUF3
1143	0656			VFO	12/BUF4
1144	0654			VFO	12/BUF5
1145			*	VFO	12/BUF6
1145	0000			DATA	0
			*		
			*		
1146	0323	0001146	MCLKADS	EQU VFO	*
1147	0365			VFO	12/MCLOCK1
1150			*		12/EWAITLP1
1150	0000			DATA	0

SDV

0

01 JAN 84 00:00:00 PAGE NO. 19

4151
6163

PPUSHF BSSZ 5*RCDSZ+5
END

575 STATEMENTS 100 SYMBOLS

SDV

0

SYMBOLIC REFERENCE TABLE

(PAGE-LOCATION)

01 JAN 84 00:00:00 PAGE NO. 20

ACT	0000014	3-00112, 3-00133, 5-00157, 5-00173, 7-00311, 10-00477, 10-00500, 10-00510, 17-01112,
BLANKTPE	0001012	17-01114, 17-01123, 17-01125
BLANKTP1	0001023	11-00562
BUTADS	0001137	15-01020
BUT1	0001030	17-01070
BUT2	0001036	18-01137
BUT3	0000620	18-01140
BUT4	0000626	18-01141
BUT5	0000636	18-01142
BUT6	0000636	18-01143
BUFA	0000634	18-01144
CHK	0000027	11-00623, 11-00624, 13-00661, 13-00662, 16-01033, 16-01034, 17-01053, 17-01110
CHKACT	0000177	5-00157
CNVERR	0000007	7-00352, 9-00432, 15-00764
CNVSTAT	0000020	3-00126, 6-00300, 7-00342, 7-00351, 9-00421, 9-00441, 9-00451, 14-00744, 15-00763,
CONERR	0000150	15-01017
CONNECT	0000117	4-00154
CONPJT	0000143	4-00155
CPACT	0000026	3-00131
CPBLUFPOS	0000024	3-00101, 6-00306, 6-00401, 9-00431, 9-00445, 12-00633, 13-00645, 13-00716, 15-01010
CPBLUMTOEC	0000002	12-00637, 13-00651
CPCNT	0000025	11-00632
CPDVCNMB	0000023	12-00635, 13-00647
CPPECTOCM	0000001	3-00103, 12-00641, 13-00653
CPINIHNG	0000010	13-00644
CPHOST	0000022	3-00100
CPIOUSER	0000004	16-01041
DVSTAT	0000017	6-00305, 8-00400, 9-00430, 9-00444, 11-00632, 13-00715, 15-01007
EFLAG	0000015	6-00301, 7-00350, 7-00355, 9-00427, 9-00457, 13-00735, 14-00752, 15-00767, 15-01012,
EWAIT	0000311	15-01015
EWAITF	0000377	6-00304
EWAITFP	0000335	7-00364
EWAITLTP1	0000365	8-00373
EWAITTMSK	0000404	7-00354, 7-00362, 18-01147
EWAITT	0000360	7-00317
FINYI	0000760	7-00321
FINYE	0000775	9-00432, 14-00756
FINYK	0001004	6-00307, 6-00402, 9-00455, 9-00463, 9-00467, 15-00766, 15-00772, 15-01011
GETST	0000727	11-00531, 13-00701, 15-01025
INICHAN	0000011	18-01043
I.POINTS	0000022	4-00143, 9-00422, 11-00520, 13-00670, 13-00717, 13-00736
MCLKADS	0001146	17-01050
MCLOCK1	0000320	17-01076
NTXSVU	0004000	18-01146
OPCHK	0000737	8-00410, 8-00411, 8-00412, 8-00413, 11-00524, 13-00674
OPCHK1	0000745	12-00642, 13-00724
PPURUF	0001151	14-00755
RCUSZ	0001001	11-00574, 11-00605, 11-00610, 11-00612, 11-00614, 11-00616, 11-00630, 13-00666, 13-00706,
RDY	0000001	13-006710
RDYRSY	0000003	2-00043, 11-00572, 11-00603, 19-01151
		4-00153, 11-00527, 13-00677, 15-01013
		4-00153, 8-00405, 8-00407, 8-00411, 8-00413, 11-00524, 11-00527, 13-00674, 13-00677

0
SYMBOLIC REFERENCE TABLE (PAGE=LOCATION)

01 JAN 84 00:00:00 PAGE NO. 21

READ	0000529	10-00504, 11-00530
REFADA	0000572	11-00540, 11-00543, 11-00546, 11-00551, 11-00554, 11-00557, 11-00564, 11-00567
REFANG	0000539	11-00526
READ1	0000601	11-00576
READ2	0000620	11-00625
REJECT	0000277	5-00162, 10-00514
REGADS	0001132	17-01054
REG1	0000107	18-01132
REG2	0000114	18-01133
RJCTBT	0000001	3-00127
RLUDPA	0000100	17-01104
RLUDPT	0000105	3-00113, 18-01002
ROST	0000010	3-00113, 7-00325, 7-00326, 7-00367, 7-00370, 17-01111
RSPADS	0000135	17-01162
RSPNSE	0000015	15-00777
RSP1	0000775	18-01135
RWAIT1	0000540	11-00571
RWAIT2	0000543	11-00550
SOVCNTS	0000002	17-01052
SOVINTX	0000002	18-01162
SELACGP	0001115	17-01131
SELADS	0001107	17-01060, 17-01065, 17-01074, 17-01102, 17-01116
SIMPLE	0000157	3-00141
SIMPLEL	0000164	3-00172
SNRQST	0001027	3-00104, 13-00654, 16-01000, 16-01035, 16-01044
SPECIAL	0000471	3-00137
SPECIAL1	0000502	10-00500
SPECIAL2	0000510	10-00473
START	0001045	2-00000
STATUS	0000414	10-00502
STATUSA	0000434	3-00175
STATUSR	0000422	4-00150
YEARCRW	0002000	3-00460
TPHUSY	0000002	5-00171, 13-00721
TPHUN	0000012	3-00117, 3-00121, 3-00123, 3-00124, 3-00125, 5-00164, 8-00165, 5-00167, 5-00170, 5-00174, 7-00335, 7-00337, 7-00340, 7-00341, 7-00343, 7-00345, 7-00346, 7-00347
TPCNT	0000043	9-00414, 9-00416, 9-00417, 9-00420, 9-00422, 9-00424, 9-00425, 9-00426, 9-00434, 9-00436, 9-00437, 9-00440, 11-00535, 11-00540, 11-00543, 11-00546, 11-00551, 11-00554, 11-00567, 11-00564, 11-00567, 11-00574, 11-00576, 11-00600, 13-00703, 13-00705, 13-00710, 13-00712, 13-00714, 13-00730, 13-00732, 13-00733, 13-00734, 14-00737, 14-00741, 14-00742, 14-00743, 14-00745, 14-00747, 14-00750, 14-00751, 15-01020, 15-01022, 15-01023, 11-00630, 12-00634, 13-00646, 13-00666, 14-00753
TPENDOP	0001000	9-00460, 13-00770
TPERR	00006410	7-00356, 11-00562, 13-00672
TPERRBITS	0000005	9-00460
TPFMK	0000010	9-00460
WRITE	0000644	10-00506
WRITECK	0000717	13-00723
WRITEL	0000656	13-00663
WRITGO	0000703	13-00676
WRIT2	0000670	13-00700
WRITENB	0000004	8-00406, 8-00407, 8-00412, 8-00413, 13-00674, 15-01013
X0	0000041	7-00330, 7-00334, 8-00371, 17-01056, 17-01064, 17-01072, 17-01100, 17-01115, 17-01130

SDV

0

SYMBOLIC REFERENCE TABLE (PAGE=LOCATION)

01 JAN 84 00:00:00 PAGE NO. 22

X1	0000042	4-00152, 7-00316, 7-00317, 11-00537, 11-00553, 11-00566, 17-01117, 17-01120, 17-01124,
Zn ⁰	0000034	17-01126 3-00116