

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- CONDENSED DECK PHASE 2 -- 58								
102			CTL		6611								
103			*										
104			*		THIS PHASE PUNCHES CARDS THAT WILL INITIALIZE THE INDEX								
105			*		REGISTERS AND SENSE LIGHTS, THE SNAPSHOT OR THE LINKAGE								
106			*		ROUTINE, THE ARITHMETIC ROUTINE, AND CERTAIN FINAL								
107			*		ADDRESSES AND CONSTANTS.								
108			*										
109			*		STUFF IN THE RESIDENT AREA								
110			*										
111			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184					
112			GOTXL	EQU	185 XLINKF WAS REFERENCED IF NO WM			0185					
113			RELTAB	EQU	188 RELOCATABLE FUNCTION TABLE ENTRY ADDRESSES			0188					
114			SUBENT	EQU	191 ENTRY TO SUBSCRIPT ROUTINE			0191					
115			IMOD	EQU	690 INTEGER MODULUS -- NUMBER OF DIGITS			0690					
116			MANTIS	EQU	692 FLOATING POINT MANTISSA DIGITS & 2			0692					
117			CONDNS	EQU	693 P FOR CONDENSED DECK			0693					
118			*										
119			EXT00		SNAPSH, LOADNX, CDOVLY, TPERR					MACRO			
120			SNAPSH	EQU	333			0333		GEN			
121			PHASLD	EQU	381			0381		GEN			
122			SNAPEX	EQU	564			0564		GEN			
123			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700		GEN			
124			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700		GEN			
125			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704		GEN			
126			TPERR	EQU	728			0728		GEN			
127			EXT03		START, TOP OF PHASE 3					MACRO			
128			BEGIN3	EQU	838			0838		GEN			
129			TOP3	EQU	2600			2600		GEN			
130			EXT57		STUFF IN PHASE 57					MACRO			
131			PUNCH	EQU	838			0838		GEN			
132			BEGN57	EQU	883 PUNCH CONDENSED DECK?			0883		GEN			
133			EXT59		STUFF IN PHASE 59ABC					MACRO			
134			FSIZE	EQU	831 STORE FLOAT SIZE			0831		GEN			
135			STSUB	EQU	1206			1206		GEN			
136			QFUNCX	EQU	1327 BRANCH TO FUNCTION SELECTION ROUTINE			1327		GEN			
137			XSIZE	EQU	1530 STORE FIX-SIZE			1530		GEN			
138			*										
139			PHAS58	LDPH	CONDECK2,LOADAD,BEGN58,,,58					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
140			)6J005	EQU	110 PHASE ID			0110		GEN			
141			)6K005	EQU	700 LOAD NEXT PHASE			0700		GEN			
142			)6L005	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
143			)6M005	EQU	728 TAPE ERROR HANDLER			0728		GEN			
144			*	ORG	201				0201	GEN			

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145			PHAS58	EQU	*&1			0201		GEN			
146				LCA	)9J005,)6J005	7		0201	L 251 110	GEN	1	251	110
147				BCE	)6K005,)6K005,1	8		0208	B 700 700 1	GEN	1	700	700
148				BCE	)6K005,)6L005&4,0	8		0216	B 700 708 0	GEN	1	700	708
149				RTW	1,LOADAD	8		0224	L %U1 883 R	GEN	1	%U1	883
150				BER	)6M005	5		0232	B 728 L	GEN	1	728	
151				CS	BEGN58,)9R005	7		0237	/ 928 255	GEN	2	928	255
152			)9J005	DCW	@CONDECK2@	8		0251		GEN	2		
153				DC	#1	1		0252		GEN	2		
154				DC	@58@	2		0254		GEN	2		
155			)9R005	DCW	@}@	1		0255		GEN	2		
156				XFR	PHAS58				B 201		3	201	
157			*										
158				ORG	BEGN57				0883				
159			LOADAD	EQU	*&1			0883					
160			*										
161			*		READ A CARD OR CARD IMAGE								
162			*										
163			READCD	SBR	READX&3	4		0883	H 907		4	907	
164			READIT	R	READX	4		0887	1 904	CHANGED TO NOP IF READING FROM TAPE	4	904	
165				RT	1,1	8		0891	M %U1 001 R		4	%U1	001
166				BER	TPERR	5		0899	B 728 L	CHANGES ITS RETURN BACK TO READIT	4	728	
167			READX	B	0-0	4		0904	B 000		4	000	
168			*										
169			*		SKIP A DECK								
170			*										
171			SKIPDK	SBR	SKIPX&3	4		0908	H 919		4	919	
172			SKIPCD	B	READCD	4		0912	B 883		4	883	
173			SKIPX	BCE	0-0,68,B	8		0916	B 000 068 B		5	000	068
174				B	SKIPCD	4		0924	B 912		5	912	
175			*										
176	884		BEGN58	MCW	CDOVLY,READIT	7		0928	M 700 887		5	700	887
177	891			BW	SKIPX1,GOTXL	8		0935	V 961 185 1	NEED XLINKF IF NO WM, SKIP IF WM	5	961	185
178			*										
179			*		SKIP SNAPSHOT								
180			*										
181	899		R1	B	SKIPDK	4		0943	B 908		5	908	
182			*										
183			*		SETUP SECOND READER TO PUNCH								
184			*										
185	956			SBR	SWICH2&3,TEST2	7		0947	H  58  59		5	1058	1059
186	977			A	KP1,W1	7		0954	A T62 U11		6	1362	1411
187	984		SKIPX1	BCE	*&5,CONDNS,P	8		0961	B 973 693 P		6	973	693
188	992			B	R2	4		0969	B  51		6	1051	
189	996			BW	ERRMSG,GLOBER	8		0973	V  94 184 1		6	1094	184
190			*										
191			*		CREATE A CARD TO SET ZEROES IN INDEX REGISTERS AND SENSE LIGHTS								
192			*		PART OF ARITF DECK NOW								
193			*										
194	1	004		MCW	R40&3,171	7		0981	M T66 171		6	1366	171

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	011		MCW	LOAD1 TO SET INDEX REGISTERS AND SENSE LIGHTS	4		0988	M T94		6	1394	
196	1	015		CS		1		0992	/		6		
197	1	016		LCA	KZ14,114 ZEROES	7		0993	L U08 114		7	1408	114
198	1	023		MCW	BRANCH,SWICH1	7		1000	M U09  47		7	1409	1047
199	1	030		B	PUNCH WHY BOTHER; IT'S IN ARITF DECK ???	4		1007	B 838		7	838	
200				*									
201				*	LOAD TOPCOR, IMOD, MANTIS, GMWM								
202				*									
203	1	034		MCW	R40&3,171	7		1011	M T66 171		7	1366	171
204	1	041		MCW	LOAD	4		1018	M T59		7	1359	
205	1	045		CS		1		1022	/		7		
206	1	046		MCW	LOAD2,157 LOAD MANTIS, IMOD, TOPCOR FROM PHASE 0	7		1023	M S88 157		7	1288	157
207	1	053		SW	GMWM	4		1030	, U29		8	1429	
208	1	057		MCW	GMWM,108	7		1034	M U29 108		8	1429	108
209	1	064		MCW	MANTIS MANTIS FP SIZE	4		1041	M 692		8	692	
210	1	068		MCW	IMOD INTEGER SIZE	1		1045	M		8		
211	1	069		LCA	TOPCOR	1		1046	L		8		
212	1	070	SWICH1	NOF	PUNCH SOMETIMES BRANCH	4		1047	N 838		8	838	
213				*									
214				*	COPY OR SKIP A DECK								
215				*									
216	1	074	R2	B	READCD	4		1051	B 883		8	883	
217	1	098	SWICH2	B	CHG2 SOMETIMES TEST2, SOMETIMES ENDEKS	4		1055	B  83		9	1083	
218	1	131	TEST2	BCE	END2,68,B	8		1059	B /17 068 B		9	1117	068
219	1	139		MCW	71,171	7		1067	M 071 171		9	071	171
220	1	146			CHAIN 5					MACRO			
221				MCW		1		1074	M	GEN	9		
222				MCW		1		1075	M	GEN	9		
223				MCW		1		1076	M	GEN	9		
224				MCW		1		1077	M	GEN	9		
225				MCW		1		1078	M	GEN	10		
226	1	151		B	SWICH1	4		1079	B  47		10	1047	
227	1	155	CHG2	SBR	SWICH2&3,TEST2 SKIP FIRST CARD, PUNCH THE REST	7		1083	H  58  59		10	1058	1059
228	1	162		B	R2	4		1090	B  51		10	1051	
229				*									
230				*	ERRORS PREVENT CONDENSED DECK								
231				*									
232	1	166	ERRMSG	CS	332	4		1094	/ 332		10	332	
233	1	170		CS		1		1098	/		10		
234	1	171		MCW	ERRORS,243	7		1099	M T31 243		10	1331	243
235	1	178		W		1		1106	2		11		
236	1	179		CC	J	2		1107	F J		11		
237	1	181		B	R2	4		1109	B  51		11	1051	
238				*									
239				*	COPY ANOTHER DECK?								
240				*									
241			R3	B	SKIPDK	4		1113	B 908		11	908	
242	1	185	END2	A	KP1,W1	7		1117	A T62 U11		11	1362	1411
243	1	192		BCE	ENDECK,W1,3	8		1124	B /52 U11 3		11	1152	1411
244	1	200		BCE	R2,W1,2	8		1132	B  51 U11 2		11	1051	1411





SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)6J005	0110: 0	)6K005	0700: 0	)6L005	0704: 0	)6M005	0728: 0	)9J005	0251: 0	)9R005	0255: 0
BEGIN3	0838: 0	BEGN57	0883: 0	BEGN58	0928: 0	BRANCH	1409: 0	CDOVLY	0700: 0	CHG2	1083: 0
CONDNS	0693: 0	DONE	1262: 0	END2	1117: 0	ENDECK	1152: 0	ENDEKS	1163: 0	ERRCNT	1410: 0
ERRMSG	1094: 0	ERRORS	1331: 0	FSIZE	0831: 0	FUNCE	1422: 0	GLOBER	0184: 0	GMWM	1429: 0
GMWM58	1429: 0	GOTXL	0185: 0	IMOD	0690: 0	KP1	1362: 0	KP9	1361: 0	KZ14	1408: 0
LOAD	1359: 0	LOAD1	1394: 0	LOAD2	1288: 0	LOADAD	0883: 0	LOADNX	0700: 0	MANTIS	0692: 0
MVIMOD	1412: 0	PHAS58	0201: 0	PHASLD	0381: 0	PUNCH	0838: 0	QFUNCX	1327: 0	R1	0943: 0
R2	1051: 0	R3	1113: 0	R40	1363: 0	READCD	0883: 0	READIT	0887: 0	READX	0904: 0
RELTAB	0188: 0	SKIPCD	0912: 0	SKIPDK	0908: 0	SKIPX	0916: 0	SKIPX1	0961: 0	SNAPEX	0564: 0
SNAPSH	0333: 0	STSUB	1206: 0	SUBE	1428: 0	SUBENT	0191: 0	SWICH1	1047: 0	SWICH2	1055: 0
TEST2	1059: 0	TOP3	2600: 0	TPERR	0728: 0	TPREAD	0704: 0	W1	1411: 0	WHERE	1421: 0
XSIZE	1530: 0										

## UNREFERENCED SYMBOLS

BEGIN3 ERRCNT GMWM58 KP9 PHASLD R1 SNAPEX TOP3 TPREAD