

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- I/O PHASE TWO -- PHASE 39								
102			CTL		6611								
103			*										
104			*		IN-LINE INSTRUCTIONS ARE GENERATED FOR EXECUTING END FILE,								
105			*		REWIND AND BACKSPACE STATEMENTS.								
106			*										
107			X1	EQU	89			0089					
108			X2	EQU	94			0094					
109			X3	EQU	99			0099					
110			*										
111			*		STUFF IN THE RESIDENT AREA								
112			*										
113			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184					
114			*										
115					EXT00 SNAPSH, LOADNX, CDOVLY					MACRO			
116			SNAPSH	EQU	333			0333		GEN			
117			PHASLD	EQU	381			0381		GEN			
118			SNAPEX	EQU	564			0564		GEN			
119			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700		GEN			
120			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700		GEN			
121			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704		GEN			
122			TPERR	EQU	728			0728		GEN			
123			*										
124					EXT03 START, TOP OF PHASE 3					MACRO			
125			BEGIN3	EQU	838			0838		GEN			
126			TOP3	EQU	2600			2600		GEN			
127			*										
128			110	DCW	@I/O TWO@	7	0110				1		
129			094	DCW	000	3	0094				2		
130			096	DC	00	2	0096				2		
131			*										
132			PHAS39	LDPH	I/O TWO,LOADAD,LOOP,,,39					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
133			)6J003	EQU	110 PHASE ID			0110		GEN			
134			)6K003	EQU	700 LOAD NEXT PHASE			0700		GEN			
135			)6L003	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
136			)6M003	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
137				ORG	201				0201				
138			PHAS39	BSS	)8J003,G	5	0201	B 257	G	GEN	3	257	
139				NOP	TO PATCH IN TRAPS FOR DEBUGGING	1	0206	N		GEN	3		
140			)0J003	EQU	*&1			0207		GEN			
141				LCA	)9J003,)6J003	7	0207	L 279	110	GEN	3	279	110
142				BCE	)1J003,)6K003,1 Q: LOADING FROM CARDS?	8	0214	B 250	700 1	GEN	3	250	700
143				BCE	)1J003,)6L003&4,0 Q: LOADING FROM AUTOCODER TAPE?	8	0222	B 250	708 0	GEN	3	250	708
144				RTW	1,LOADAD READ THE BLOCK	8	0230	L %U1	838 R	GEN	3	%U1	838

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145				BER	)6M003			5 0238	B 728 L	GEN	4	728	
146				CS	LOOP,)9R003			7 0243	/ 838 283	GEN	4	838	283
147			)1J003	CS	)6K003,)9R003			7 0250	/ 700 283	GEN	4	700	283
148			)8J003	SW	)9R003			4 0257	, 283	GEN	4	283	
149				MU	%T0,)8K003,W			8 0261	M %T0 273 W	GEN	4	%T0	273
150				H	)0J003			4 0269	. 207	GEN	4	207	
151			)8K003	EQU	*&1				0273	GEN			
152			)9J003	DCW	@I/O TWO@			7 0279		GEN	5		
153				DCW	#1			1 0280		GEN	5		
154				DC	@39@			2 0282		GEN	5		
155			)9R003	DCW	@}@			1 0283		GEN	5		
156				XFR	PHAS39				B 201		6	201	
157				*									
158				ORG	BEGIN3				0838				
159			LOADAD	EQU	*&1				0838				
160	838		LOOP	BCE	DONE,0&X1,			8 0838	B 870 0|0		7	870	000+1
161	846			MCW	0&X1,CODSEQ			7 0846	M 0|0 S11		7	000+1	1211
162	853			MCW	CODSEQ-3,*&8			7 0853	M S08 867		7	1208	867
163	860			BCE	IOSTMT,CODES,0			8 0860	B 874 S14 0		7	874	1214
164	868			B				1 0868	B		7		
165	869			B				1 0869	B		7		
166	870		DONE	B	LOADNX			4 0870	B 700		7	700	
167				*									
168				*	STATEMENT IS BACKSPACE, ENDFILE OR REWIND								
169				*									
170	893		IOSTMT	MCW	KB,IOINST			7 0874	M S15 S07		8	1215	1207
171	900			MCW	KLESS,2&X1			7 0881	M S16 0|2		8	1216	002+1
172	907			SBR	TSTLES&6,2&X1			7 0888	H /04 0|2		8	1104	002+1
173	914			BCE	MOVEUP,CODSEQ-3,B			8 0895	B 925 S08 B		8	925	1208
174	922			MCW	KR,IOINST			7 0903	M S17 S07		8	1217	1207
175	929			BCE	MOVEUP,CODSEQ-3,Z			8 0910	B 925 S08 Z		9	925	1208
176	937			MCW	KM,IOINST			7 0918	M S18 S07		9	1218	1207
177	944		MOVEUP	LCA	0&X1,0&X3			7 0925	L 0|0 0?0		9	000+1	000+3
178	951			SAR	X1			4 0932	Q 089		9	089	
179	955			C	0&X3			4 0936	C 0?0		9	000+3	
180	959			SAR	X3			4 0940	Q 099		9	099	
181	963			LCA	1&X1,2&X3			7 0944	L 0|1 0?2		10	001+1	002+3
182	970			SBR	X3			4 0951	H 099		10	099	
183	974			BWZ	*&5,CODSEQ,2			8 0955	V 967 S11 2		10	967	1211
184	982			B	*&9			4 0963	B 975		10	975	
185	986			BWZ	*&15,CODSEQ-2,2			8 0967	V 989 S09 2		10	989	1209
186	994			MCW	CODSEQ,X2			7 0975	M S11 094		10	1211	094
187	1 001			MCW	0&X2,CODSEQ			7 0982	M 0!0 S11		11	000+2	1211
188	1 008			BCE	SYNTAX,0&X1,}			8 0989	B /40 0|0 }	GMARK	11	1140	000+1
189	1 016			MN	0&X1			4 0997	D 0|0		11	000+1	
190	1 020			SAR	X2			4 1001	Q 094		11	094	
191	1 024			BCE	UNITK,0&X2,}			8 1005	B /85 0!0 }	GMARK	11	1185	000+2
192	1 032		UVAR	MCW	K0,IOINST-1			7 1013	M S19 S06		11	1219	1206
193	1 039			MCW	0&X1,MVUNIT&3			7 1020	M 0|0 /99		12	000+1	1199
194	1 046			MCW	MN,MVUNIT			7 1027	M S20 /96		12	1220	1196

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	053		MZ	*-4,MVUNIT&2	7		1034	Y |36 /98		12	1036	1198
196	1	060		CW	FLAG	4		1041	) S21		12	1221	
197	1	064	GOTU	C	0&X1	4		1045	C 0|0		12	000+1	
198	1	068		SAR	X1	4		1049	Q 089		12	089	
199	1	072		LCA	IOINST,0&X3	7		1053	L S07 0?0		13	1207	000+3
200	1	079		SBR	X3	4		1060	H 099		13	099	
201	1	083		BW	CONST,FLAG	8		1064	V |87 S21 1		13	1087	1221
202	1	091		SW	FLAG	4		1072	, S21		13	1221	
203	1	095		LCA	MVUNIT&6,0&X3	7		1076	L S02 0?0		13	1202	000+3
204	1	102		SBR	X3	4		1083	H 099		13	099	
205	1	106	CONST	LCA	1&X1,0&X3	7		1087	L 0|1 0?0		14	001+1	000+3
206	1	113		SBR	X3	4		1094	H 099		14	099	
207	1	117	TSTLES	BCE	LOOP,0,< NOT TOO BIG IF LESS-THAN NOT CLOBBERED	8		1098	B 838 000 <		14	838	000
208	1	125		CS	332	4		1106	/ 332		14	332	
209	1	129		CS		1		1110	/		14		
210	1	130		CC	1	2		1111	F 1		14		
211	1	132		MCW	ERROR2,270	7		1113	M S57 270		14	1257	270
212	1	139		W		1		1120	2		15		
213	1	140		CC	1	2		1121	F 1		15		
214	1	142		BCE	HALT,CDOVLY,1	8		1123	B /36 700 1		15	1136	700
215	1	150		RWD	1	5		1131	U %U1 R		15	%U1	
216	1	155	HALT	H	HALT	4		1136	./36		15	1136	
217	1	159	SYNTAX	CS	332	4		1140	/ 332		15	332	
218	1	163		CS		1		1144	/		15		
219	1	164		SW	GLOBER	4		1145	, 184		16	184	
220	1	168		MN	CODSEQ,245	7		1149	D S11 245		16	1211	245
221	1	175		MN		1		1156	D		16		
222	1	176		MN		1		1157	D		16		
223	1	177		MCW	ERR33	4		1158	M S99		16	1299	
224	1	181		W		1		1162	2		16		
225	1	182		BCV	*&5	5		1163	B /72 @		16	1172	
226	1	187		B	*&3	4		1168	B /74		17	1174	
227	1	191		CC	1	2		1172	F 1		17		
228	1	193		MCW	K0,IOINST-1	7		1174	M S19 S06		17	1219	1206
229	1	200		B	UVAR	4		1181	B |13		17	1013	
230			*										
231			*		* UNIT NUMBER IS A CONSTANT								
232			*										
233	1	204	UNITK	MN	0&X1,IOINST-1	7		1185	D 0|0 S06		17	000+1	1206
234	1	211		B	GOTU	4		1192	B |45		17	1045	
235			*										
236			*		* DATA								
237			*										
238	1	215	MVUNIT	MCW	5777&X1,4&X3	7		1196	M XXX 0?4		17	5777+1	004+3
239	1	226	IOINST	DCW	@U%U0X@	5		1207			18		
240	1	230	CODSEQ	DCW	#4 STATEMENT CODE AND SEQUENCE NUMBER	4		1211			18		
241	1	233	CODES	DCW	@BZN@ BACKSPACE, REWIND, ENDFILE STATEMENT CODES	3		1214			18		
242	1	239	KB	DCW	@B@	1		1215			18		
243	1	240	KLESS	DCW	@<@ CORE IS NOT FULL YET SENTINEL	1		1216			18		
244	1	241	KR	DCW	@R@	1		1217			18		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	242	KM	DCW	@M@	1		1218			18		
246	1	243	K0	DCW	@0@	1		1219			19		
247	1	244	MN	MN		1		1220	D		19		
248	1	245	FLAG	DCW	#1 NO WM MEANS UNIT IS VARIABLE, WM MEANS CONST	1		1221			19		
249	1	281	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1257			19		
250	1	323	ERR33	DCW	@ERROR 33 - NO TAPE UNIT NUMBER, STATEMENT @	42		1299			22		
251	1	324	GMWM	DCW	@}@	1		1300		GMARK	22		
252				XFR	LOOP				B 838		23	838	
253			CLRME	CLRA	LOADAD,GMWM,C					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,SS,HERE,GWMAD]					GEN			
			*							GEN			
			*	CLEAR CORE	AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
254			ORG	201					0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
255			CLRME	EQU	*&1			0201					
256				BSS	SNAPSH,C	5		0201	B 333 C		24	333	
257			)0J004	CS	GMWM CLEAR FROM CLRTOP	4		0206	/ T00		24	1300	
258				SBR	)0J004&3	4		0210	H 209		24	209	
259				SBR	)0L004&6	4		0214	H 255		24	255	
260				C	)0J004&3,)0M004 DOWN TO CLRBOT & X00?	7		0218	C 209 266		24	209	266
261				BU	)0J004	5		0225	B 206 /		24	206	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
262			)0K004	C	)0L004&6,)0N004	7		0230	C 255 269		24	255	269
263				BU	)0L004	5		0237	B 249 /		25	249	
264				CS	LOADNX,)0Q004 LOAD THE NEXT BLOCK AT 1	7		0242	/ 700 276		25	700	276
265			)0L004	LCA	)0P004,0-0 CLEAR WITH BLANK AND WORD MARK	7		0249	L 270 000		25	270	000
266				SBR	)0L004&6	4		0256	H 255		25	255	
267				B	)0K004	4		0260	B 230		25	230	
268			)0M004	DSA	)0R004 CLRBOT & X00 - 1	3		0266	899		25	899	
269			)0N004	DSA	LOADAD CLRBOT	3		0269	838		25	838	
270			)0P004	DCW	#1	1		0270			26		
271				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0275			26		
272			)0Q004	DCW	@}@	1		0276			26		
273				ORG	LOADAD&X00				0900				
274			)0R004	EQU	* CLRBOT & X00 - 1			0899		GEN			
275				XFR	CLRME				B 201		27	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J003	0207: 0	)0J004	0206: 0	)0K004	0230: 0	)0L004	0249: 0	)0M004	0266: 0	)0N004	0269: 0
)0P004	0270: 0	)0Q004	0276: 0	)0R004	0899: 0	)1J003	0250: 0	)6J003	0110: 0	)6K003	0700: 0
)6L003	0704: 0	)6M003	0728: 0	)8J003	0257: 0	)8K003	0273: 0	)9J003	0279: 0	)9R003	0283: 0
BEGIN3	0838: 0	CDOVLY	0700: 0	CLRME	0201: 0	CODES	1214: 0	CODSEQ	1211: 0	CONST	1087: 0
DONE	0870: 0	ERR33	1299: 0	ERROR2	1257: 0	FLAG	1221: 0	GLOBER	0184: 0	GMWM	1300: 0
GOTU	1045: 0	HALT	1136: 0	IOINST	1207: 0	IOSTMT	0874: 0	K0	1219: 0	KB	1215: 0
KLESS	1216: 0	KM	1218: 0	KR	1217: 0	LOADAD	0838: 0	LOADNX	0700: 0	LOOP	0838: 0
MN	1220: 0	MOVEUP	0925: 0	MVUNIT	1196: 0	PHAS39	0201: 0	PHASLD	0381: 0	SNAPEX	0564: 0
SNAPSH	0333: 0	SYNTAX	1140: 0	TOP3	2600: 0	TPERR	0728: 0	TPREAD	0704: 0	TSTLES	1098: 0
UNITK	1185: 0	UVAR	1013: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0		

UNREFERENCED SYMBOLS

PHASLD SNAPEX TOP3 TPERR TPREAD