

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- STMT NUMBERS FIVE -- PHASE 31								
102			CTL		6611								
103			*										
104			*		UNDEFINED STATEMENT NUMBERS ARE NOTED.								
105			*										
106			*		ON ENTRY, X1 IS THE TOP OF STATEMENTS, AND X3 IS ONE BELOW								
107			*		THE LABEL TABLE AT THE TOP OF CORE.								
108			*										
109			X1	EQU	89			0089					
110			X2	EQU	94			0094					
111			X3	EQU	99			0099					
112			*										
113			*		STUFF IN THE RESIDENT AREA								
114			*										
115			TBLBOT	EQU	145 ONE BELOW NUMBERS, FORMATS, I/O LISTS			0145					
116			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184					
117			*										
118				EXT00	SNAPSH, LOADNX, CDOVLY								MACRO
119			SNAPSH	EQU	333			0333					GEN
120			PHASLD	EQU	381			0381					GEN
121			SNAPEX	EQU	564			0564					GEN
122			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700					GEN
123			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700					GEN
124			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704					GEN
125			TPERR	EQU	728			0728					GEN
126			*										
127				EXT03	START, TOP OF PHASE 3								MACRO
128			BEGIN3	EQU	838			0838					GEN
129			TOP3	EQU	2600			2600					GEN
130			*										
131			110	DCW	@STNUM FIVE		9	0110					1
132			094	DCW	000		3	0094					2
133			096	DC	00		2	0096					2
134			*										
135			PHAS31	LDPH	STNUM FIV,LOADAD,BEGN31,,,31								MACRO
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]								GEN
			*	XFR	PHASZ PROHIBITED IN A MACRO								GEN
			*										GEN
			*	LOAD	A BLOCK								GEN
			*										GEN
136			)6J003	EQU	110 PHASE ID			0110					GEN
137			)6K003	EQU	700 LOAD NEXT PHASE			0700					GEN
138			)6L003	EQU	704 TAPE READ INSTRUCTION			0704					GEN
139			)6M003	EQU	728 TAPE ERROR HANDLER			0728					GEN
			*										GEN
140				ORG	201				0201				
141			PHAS31	EQU	*&1			0201					GEN
142			LCA	)9J003,)	6J003		7	0201	L 252 110	GEN	3	252	110
143			BCE	)6K003,)	6K003,1 Q: LOADING FROM CARDS?		8	0208	B 700 700 1	GEN	3	700	700
144			BCE	)6K003,)	6L003&4,0 Q: LOADING FROM AUTOCODER TAPE?		8	0216	B 700 708 0	GEN	3	700	708

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145				RTW	1,LOADAD			8 0224	L %U1 838 R	GEN	3	%U1	838
146				BER	)6M003			5 0232	B 728 L	GEN	3	728	
147				CS	BEGN31,)9R003			7 0237	/ 838 256	GEN	4	838	256
148			)9J003	DCW	@STNUM FIV@			9 0252		GEN	4		
149				DC	#1			1 0253		GEN	4		
150				DC	@31@			2 0255		GEN	4		
151			)9R003	DCW	@}@			1 0256		GEN	4		
152				XFR	PHAS31				B 201		4	201	
153				*									
154				ORG	BEGIN3				0838				
155			LOADAD	EQU	*&1				0838				
156	838		BEGN31	MCW	X3,SX3			7 0838	M 099 S62		5	099	1262
157	845			MCW	X1,SX1			7 0845	M 089 S65		5	089	1265
158	852			C	0&X3 GET TO			4 0852	C 0?0		5	000+3	
159	856			SAR	X3 TOP ENTRY OF HASH TABLE			4 0856	Q 099		5	099	
160	860			CW	1&X3			4 0860	) 0?1		5	001+3	
161	864			MCW	TBLBOT,X2			7 0864	M 145 094		5	145	094
162	871			C	0&X2			4 0871	C 0!0		5	000+2	
163	875			SAR	X2			4 0875	Q 094		6	094	
164	879			C	X2,SX3			7 0879	C 094 S62		6	094	1262
165	886			BE	DONE			5 0886	B S37 S		6	1237	
166	891			MCW	TBLBOT,SAVBOT			7 0891	M 145 S68		6	145	1268
167	898		TSTFIN	BW	DONE,0&X1			8 0898	V S37 0!0 1		6	1237	000+1
168	906			MCW	0&X1,SEQCOD			7 0906	M 0!0 S72		6	000+1	1272
169	913			C	0&X1 GET BELOW PREFIX			4 0913	C 0!0		7	000+1	
170	917			SAR	X1			4 0917	Q 089		7	089	
171	921			MCW	KB3,W3			7 0921	M S75 S78		7	1275	1278
172	928			BCE	COMPGO,SEQCOD-3,H			8 0928	B 968 S69 H		7	968	1269
173	936			MCW	SEQCOD-3,*&8			7 0936	M S69 950		7	1269	950
174	943			BCE	LABELS,STMTS,0			8 0943	B /78 S84 0		7	1178	1284
175	951			B				1 0951	B		7		
176	952			B				1 0952	B		8		
177	953			B				1 0953	B		8		
178	954			B				1 0954	B		8		
179	955			B				1 0955	B		8		
180	956		ENDSTM	C	0&X1			4 0956	C 0!0		8	000+1	
181	960			SAR	X1			4 0960	Q 089		8	089	
182	964			B	TSTFIN			4 0964	B 898		8	898	
183				*									
184				*	WAS ORIGINALLY COMPUTED GOTO CODE T, NOW H								
185				*									
186	968		COMPGO	MCW	SAVBOT,X3			7 0968	M S68 099		9	1268	099
187	975		COMPG2	C	0&X1,X3			7 0975	C 0!0 099		9	000+1	099
188	982			BE	COMPG3			5 0982	B |45 S		9	1045	
189	987			MN	0&X3			4 0987	D 0?0		9	000+3	
190	991			MN				1 0991	D		9		
191	992			MN				1 0992	D		9		
192	993			SAR	X3			4 0993	Q 099		9	099	
193	997			SBR	X2			4 0997	H 094		10	094	
194	1 001		COMPGL	BW	COMPG4,1&X2			8 1001	V /67 0!1 1		10	1167	001+2

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	009		BWZ	COMPG2,2&X2,2	8		1009	V 975 0!2 2		10	975	002+2
196	1	017		MCW	3&X2,X2	7		1017	M 0!3 094		10	003+2	094
197	1	024		MZ	NOZONE,X2-1	7		1024	Y S85 093		10	1285	093
198	1	031		MN	0&X2	4		1031	D 0!0		10	000+2	
199	1	035		MN		1		1035	D		10		
200	1	036		MN		1		1036	D		11		
201	1	037		SAR	X2	4		1037	Q 094		11	094	
202	1	041		B	COMPGL	4		1041	B |01		11	1001	
203	1	045	COMPG3	MCW	X3,SAVBOT	7		1045	M 099 S68		11	099	1268
204	1	052	TUNDEF	BCE	ENDSTM,W3,	8		1052	B 956 S78		11	956	1278
205	1	060		BWZ	*&5,SEQCOD,2	8		1060	V |72 S72 2		11	1072	1272
206	1	068		B	*&9	4		1068	B |80		11	1080	
207	1	072		BWZ	UNDEF,SEQCOD-2,2	8		1072	V |94 S70 2		12	1094	1270
208	1	080		MCW	SEQCOD,X3	7		1080	M S72 099		12	1272	099
209	1	087		MCW	0&X3,SEQCOD	7		1087	M 0?0 S72		12	000+3	1272
210	1	094	UNDEF	CS	299	4		1094	/ 299		12	299	
211	1	098		SW	GLOBER	4		1098	, 184		12	184	
212	1	102		MCW	ERR21,210	7		1102	M S95 210		12	1295	210
213	1	109		MCW	MSG21,253	7		1109	M T33 253		13	1333	253
214	1	116		MN	SEQCOD,257	7		1116	D S72 257		13	1272	257
215	1	123		MN		1		1123	D		13		
216	1	124		MN		1		1124	D		13		
217	1	125		MCS	W3,214	7		1125	Z S78 214		13	1278	214
218	1	132		C	W3,K001	7		1132	C S78 T36		13	1278	1336
219	1	139		BU	*&8	5		1139	B /51 /		13	1151	
220	1	144		MCW	KCOM,243	7		1144	M T38 243		14	1338	243
221	1	151		W		1		1151	2		14		
222	1	152		BCV	*&5	5		1152	B /61 @		14	1161	
223	1	157		B	*&3	4		1157	B /63		14	1163	
224	1	161		CC	1	2		1161	F 1		14		
225	1	163		B	ENDSTM	4		1163	B 956		14	956	
226	1	167	COMPG4	A	K1,W3	7		1167	A T39 S78		14	1339	1278
227	1	174		B	COMPG2	4		1174	B 975		15	975	
228				*									
229				*	STATEMENTS CONTAINING LABELS OF EXECUTABLE STATEMENTS. NOT								
230				*	I/O STATEMENTS CONTAINING FORMAT STATEMENT LABELS.								
231				*									
232	1	178	LABELS	BW	TUNDEF,0&X1	8		1178	V |52 0|0 1		15	1052	000+1
233	1	186		BCE	TUNDEF,0&X1,,	8		1186	B |52 0|0 ,		15	1052	000+1
234	1	194		MCW	0&X1,X3	7		1194	M 0|0 099		15	000+1	099
235	1	201		SAR	X1	4		1201	Q 089		15	089	
236	1	205		MN	0&X3	4		1205	D 0?0		15	000+3	
237	1	209		MN		1		1209	D		15		
238	1	210		SAR	X3	4		1210	Q 099		16	099	
239	1	214		BW	*&5,0&X3	8		1214	V S26 0?0 1		16	1226	000+3
240	1	222		B	LABELS	4		1222	B /78		16	1178	
241	1	226		A	K1,W3	7		1226	A T39 S78		16	1339	1278
242	1	233		B	LABELS	4		1233	B /78		16	1178	
243				*									
244	1	237	DONE	MCW	SX1,X1	7		1237	M S65 089		16	1265	089

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	244		MCW	SX3,X3	7		1244	M S62 099		17	1262	099
246	1	251		BSS	SNAPSH,E	5		1251	B 333 E		17	333	
247	1	270		B	LOADNX	4		1256	B 700		17	700	
248	1	276	SX3	DCW	#3	3		1262			17		
249	1	279	SX1	DCW	#3	3		1265			17		
250	1	282	SAVBOT	DCW	#3	3		1268			17		
251	1	286	SEQCOD	DCW	#4	4		1272			17		
252	1	289	KB3	DCW	#3	3		1275			18		
253	1	292	W3	DCW	#3	3		1278			18		
254	1	298	STMTS	DCW	@TWEDGK@ CODES FOR STATEMENTS WITH LABELS	6		1284			18		
255	1	299	NOZONE	DCW	#1	1		1285			18		
256	1	309	ERR21	DCW	@ERROR 21 -@	10		1295			18		
257	1	347	MSG21	DCW	@UNDEFINED STATEMENT NUMBERS, STATEMENT@	38		1333			19		
258	1	350	K001	DCW	001	3		1336			20		
259	1	352	KCOM	DCW	@, @	2		1338			20		
260	1	353	K1	DCW	1	1		1339			20		
261	1	361	GMWM	DCW	@}@	1		1340			20		
262			XFR		BEGN31				B 838		20	838	
263			CLRME	CLRA	BEGN31,GMWM					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
			*							GEN			
			*	CLEAR CORE	AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
264			ORG		201				0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
265			CLRME	EQU	*&1			0201		GEN			
266			)0J004	CS	GMWM CLEAR FROM CLRTOP	4		0201	/ T40	GEN	21	1340	
267				SBR	)0J004&3	4		0205	H 204	GEN	21	204	
268				SBR	)0L004&6	4		0209	H 250	GEN	21	250	
269				C	)0J004&3,)0M004 DOWN TO CLRBOT & X00?	7		0213	C 204 261	GEN	21	204	261
270				BU	)0J004	5		0220	B 201 /	GEN	21	201	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
271			)0K004	C	)0L004&6,)0N004	7		0225	C 250 264	GEN	21	250	264
272				BU	)0L004	5		0232	B 244 /	GEN	21	244	
273				CS	LOADNX,)0Q004 LOAD THE NEXT BLOCK AT 1	7		0237	/ 700 271	GEN	22	700	271
274			)0L004	LCA	)0P004,0-0 CLEAR WITH BLANK AND WORD MARK	7		0244	L 265 000	GEN	22	265	000
275				SBR	)0L004&6	4		0251	H 250	GEN	22	250	
276				B	)0K004	4		0255	B 225	GEN	22	225	
277			)0M004	DSA	)0R004 CLRBOT & X00 - 1	3		0261	899	GEN	22	899	
278			)0N004	DSA	BEGN31 CLRBOT	3		0264	838	GEN	22	838	
279			)0P004	DCW	#1	1		0265		GEN	22		
280				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0270		GEN	22		
281			)0Q004	DCW	@}@	1		0271		GEN	23		
282				ORG	BEGN31&X00				0900				
283			)0R004	EQU	* CLRBOT & X00 - 1			0899		GEN			
284				XFR	CLRME				B 201		23	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0201: 0	)0K004	0225: 0	)0L004	0244: 0	)0M004	0261: 0	)0N004	0264: 0	)0P004	0265: 0
)0Q004	0271: 0	)0R004	0899: 0	)6J003	0110: 0	)6K003	0700: 0	)6L003	0704: 0	)6M003	0728: 0
)9J003	0252: 0	)9R003	0256: 0	BEGIN3	0838: 0	BEGN31	0838: 0	CDOVLY	0700: 0	CLRME	0201: 0
COMP2	0975: 0	COMP3	1045: 0	COMP4	1167: 0	COMPGL	1001: 0	COMPGO	0968: 0	DONE	1237: 0
ENDSTM	0956: 0	ERR21	1295: 0	GLOBER	0184: 0	GMWM	1340: 0	K001	1336: 0	K1	1339: 0
KB3	1275: 0	KCOM	1338: 0	LABELS	1178: 0	LOADAD	0838: 0	LOADNX	0700: 0	MSG21	1333: 0
NOZONE	1285: 0	PHAS31	0201: 0	PHASLD	0381: 0	SAVBOT	1268: 0	SEQCOD	1272: 0	SNAPEX	0564: 0
SNAPSH	0333: 0	STMTS	1284: 0	SX1	1265: 0	SX3	1262: 0	TBLBOT	0145: 0	TOP3	2600: 0
TPERR	0728: 0	TPREAD	0704: 0	TSTFIN	0898: 0	TUNDEF	1052: 0	UNDEF	1094: 0	W3	1278: 0
X1	0089: 0	X2	0094: 0	X3	0099: 0						

UNREFERENCED SYMBOLS

CDOVLY PHASLD SNAPEX TOP3 TPERR TPREAD