

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- SENSE LIGHT PHASE -- PHASE 43								
102			CTL		6611								
103			*										
104			*		IN-LINE INSTRUCTIONS ARE GENERATED.								
105			*										
106			X1	EQU	89			0089					
107			X2	EQU	94			0094					
108			X3	EQU	99			0099					
109			*										
110			*		STUFF IN THE RESIDENT AREA								
111			*										
112			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184					
113			*										
114				EXT00	SNAPSH, LOADNX, CDOVLY					MACRO			
115			SNAPSH	EQU	333			0333		GEN			
116			PHASLD	EQU	381			0381		GEN			
117			SNAPEX	EQU	564			0564		GEN			
118			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700		GEN			
119			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700		GEN			
120			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704		GEN			
121			TPERR	EQU	728			0728		GEN			
122			*										
123				EXT03	START, TOP OF PHASE 3					MACRO			
124			BEGIN3	EQU	838			0838		GEN			
125			TOP3	EQU	2600			2600		GEN			
126			*										
127			PHAS43	LDPH	LIGHT,LOADAD,BEGN43,,,43					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
128			)6J003	EQU	110 PHASE ID			0110		GEN			
129			)6K003	EQU	700 LOAD NEXT PHASE			0700		GEN			
130			)6L003	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
131			)6M003	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
132				ORG	201				0201				
133			PHAS43	EQU	*&1			0201		GEN			
134			LCA	)9J003,)	6J003		7	0201	L 248 110	GEN	1	248	110
135			BCE	)6K003,)	6K003,1 Q: LOADING FROM CARDS?		8	0208	B 700 700 1	GEN	1	700	700
136			BCE	)6K003,)	6L003&4,0 Q: LOADING FROM AUTOCODER TAPE?		8	0216	B 700 708 0	GEN	1	700	708
137			RTW	1,LOADAD	READ THE BLOCK		8	0224	L %U1 838 R	GEN	1	%U1	838
138			BER	)6M003	Q: TAPE ERROR?		5	0232	B 728 L	GEN	1	728	
139			CS	BEGN43,)	9R003 ENTER THE BLOCK		7	0237	/ 838 252	GEN	2	838	252
140			)9J003	DCW	@LIGHT@ PHASE ID		5	0248		GEN	2		
141			DC	#1			1	0249		GEN	2		
142			DC	@43@	PHASE NUMBER		2	0251		GEN	2		
143			)9R003	DCW	@}@		1	0252		GEN	2		
144			XFR	PHAS43					B 201		3	201	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145			*										
146				ORG	BEGIN3				0838				
147			LOADAD	EQU	*&1 LOAD ADDRESS			0838					
148	838		BEGN43	BCE	DONE, 0&X1,	8		0838	B 861 0|0		4	861	000+1
149	846			MCW	0&X1, SEQCOD	7		0846	M 0|0 /74		4	000+1	1174
150	853			BCE	SLITE, SEQCOD-3, J	8		0853	B 870 /71 J		4	870	1171
151	861		DONE	BSS	SNAPSH, C	5		0861	B 333 C		4	333	
152	880			B	LOADNX	4		0866	B 700		4	700	
153	884		SLITE	LCA	0&X1, 0&X3	7		0870	L 0|0 0?0		4	000+1	000+3
154	891			SAR	X1	4		0877	Q 089		5	089	
155	895			C	0&X3	4		0881	C 0?0		5	000+3	
156	899			SAR	X3	4		0885	Q 099		5	099	
157	903			SBR	TSTBRK&6, 1&X1	7		0889	H /12 0|1		5	1112	001+1
158	910			MCW	RBRACK, 1&X1	7		0896	M /75 0|1		5	1175	001+1
159	917			LCA	1&X3, 2&X3	7		0903	L 0?1 0?2		5	001+3	002+3
160	924			SBR	X3	4		0910	H 099		5	099	
161	928			MCW	SEQCOD, W3	7		0914	M /74 /78		6	1174	1178
162	935			BWZ	*&5, W3, 2	8		0921	V 933 /78 2		6	933	1178
163	943			B	*&9	4		0929	B 941		6	941	
164	947			BWZ	*&15, W3-2, 2	8		0933	V 955 /76 2		6	955	1176
165	955			MCW	W3, X2	7		0941	M /78 094		6	1178	094
166	962			MCW	0&X2, W3	7		0948	M 0|0 /78		7	000+2	1178
167	969			BCE	SYNTAX, 0&X1, }	8		0955	B |01 0|0 } GMARK		7	1001	000+1
168	977			MCW	0&X1, W2	7		0963	M 0|0 /80		7	000+1	1180
169	984			BCE	TSTCOD, W2-1, } SENSE LIGHT NUMBER IS ONE DIGIT?	8		0970	B 982 /79 } GMARK		7	982	1179
170	992			B	SYNTAX	4		0978	B |01		7	1001	
171	996		TSTCOD	MN	0&X1, *&8	7		0982	D 0|0 996		8	000+1	996
172	1 003			BCE	SENSOK, K01234, 0 VALID SENSE LIGHT NUMBER?	8		0989	B |54 /85 0		8	1054	1185
173	1 011			CHAIN	4					MACRO			
174				BCE		1		0997	B	GEN	8		
175				BCE		1		0998	B	GEN	8		
176				BCE		1		0999	B	GEN	8		
177				BCE		1		1000	B	GEN	8		
178	1 015		SYNTAX	CS	332	4		1001	/ 332		8	332	
179	1 019			CS		1		1005	/		9		
180	1 020			SW	GLOBER	4		1006	, 184		9	184	
181	1 024			MN	W3, 245	7		1010	D /78 245		9	1178	245
182	1 031			MN		1		1017	D		9		
183	1 032			MN		1		1018	D		9		
184	1 033			MCW	ERR36	4		1019	M S27		9	1227	
185	1 037			W		1		1023	2		9		
186	1 038			BCV	*&5	5		1024	B |33 @		10	1033	
187	1 043			B	*&3	4		1029	B |35		10	1035	
188	1 047			CC	1	2		1033	F 1		10		
189	1 049			SBR	X3, 4&X3	7		1035	H 099 0?4		10	099	004+3
190	1 056			C	0&X1	4		1042	C 0|0		10	000+1	
191	1 060			SAR	X1	4		1046	Q 089		10	089	
192	1 064			B	BEGN43	4		1050	B 838		10	838	
193	1 068		SENSOK	MZ	*-4, 0&X1	7		1054	Y |56 0|0		11	1056	000+1
194	1 075			BCE	SENSE0, 0&X1, 0	8		1061	B /48 0|0 0		11	1148	000+1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	083		MN	0&X1,CW&3	7		1069	D 0|0 /70		11	000+1	1170
196	1	090		LCA	CW&3,0&X3 LOAD CW INSTRUCTION	7		1076	L /70 0?0		11	1170	000+3
197	1	097		SBR	X3	4		1083	H 099		11	099	
198	1	101	ENDSTM	C	0&X1	4		1087	C 0|0		11	000+1	
199	1	105		SAR	X1	4		1091	Q 089		12	089	
200	1	109		LCA	1&X1,0&X3 GMWM	7		1095	L 0|1 0?0		12	001+1	000+3
201	1	116		SBR	X3	4		1102	H 099		12	099	
202	1	120	TSTBRK	BCE	BEGN43,0,] NOT TOO BIG IF BRACKET NOT CLOBBEDED	8		1106	B 838 000]		12	838	000
203	1	128		CS	332	4		1114	/ 332		12	332	
204	1	132		CS		1		1118	/		12		
205	1	133		CC	1	2		1119	F 1		12		
206	1	135		MCW	ERROR2,270	7		1121	M S63 270		13	1263	270
207	1	142		W		1		1128	2		13		
208	1	143		CC	1	2		1129	F 1		13		
209	1	145		BCE	HALT,CDOVLY,1	8		1131	B /44 700 1		13	1144	700
210	1	153		RWD	1	5		1139	U %U1 R		13	%U1	
211	1	158	HALT	H	HALT	4		1144	. /44		13	1144	
212	1	162	SENSE0	LCA	SW,0&X3 CHAINED SW	7		1148	L S64 0?0		13	1264	000+3
213	1	169		LCA	SW2&6 SW 82,84	4		1155	L S71		14	1271	
214	1	173		SBR	X3	4		1159	H 099		14	099	
215	1	177		B	ENDSTM	4		1163	B |87		14	1087	
216	1	181	CW	CW	80	4		1167	)080		14	080	
217	1	188	SEQCOD	DCW	#4	4		1174			14		
218	1	195	RBRACK	DCW	@]@	1		1175			14		
219	1	198	W3	DCW	#3	3		1178			14		
220	1	200	W2	DCW	#2	2		1180			15		
221	1	205	K01234	DCW	@01234@	5		1185			15		
222	1	247	ERR36	DCW	@ERROR 36 - ILLEGAL SENSE LIGHT, STATEMENT @	42		1227			17		
223	1	283	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1263			17		
224	1	284	SW	SW		1		1264	,		18		
225	1	285	SW2	SW	82,84	7		1265	, 082 084		18	082	084
226	1	292	GMWM	DCW	@}@	1		1272		GMARK	18		
227			XFR		BEGN43				B 838		19	838	
228			CLRME	CLRA	LOADAD,GMWM					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
			*							GEN			
			*	CLEAR CORE	AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
229			ORG		201				0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
230			CLRME	EQU	*&1			0201		GEN			
231			)0J004	CS	GMWM CLEAR FROM CLRTOP	4		0201	/ S72	GEN	20	1272	
232				SBR	)0J004&3	4		0205	H 204	GEN	20	204	
233				SBR	)0L004&6	4		0209	H 250	GEN	20	250	
234				C	)0J004&3,)0M004 DOWN TO CLRBOT & X00?	7		0213	C 204 261	GEN	20	204	261
235				BU	)0J004	5		0220	B 201 /	GEN	20	201	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
										GEN			
236			)0K004	C	)0L004&6,)0N004	7		0225	C 250 264	GEN	20	250	264
237				BU	)0L004	5		0232	B 244 /	GEN	20	244	
238				CS	LOADNX,)0Q004	7		0237	/ 700 271	GEN	21	700	271
239			)0L004	LCA	)0P004,0-0	7		0244	L 265 000	GEN	21	265	000
240				SBR	)0L004&6	4		0251	H 250	GEN	21	250	
241				B	)0K004	4		0255	B 225	GEN	21	225	
242			)0M004	DSA	)0R004	3		0261	899	GEN	21	899	
243			)0N004	DSA	LOADAD	3		0264	838	GEN	21	838	
244			)0P004	DCW	#1	1		0265		GEN	21		
245				DC	@CLRA @	5		0270		GEN	21		
246			)0Q004	DCW	@}@	1		0271		GEN	22		
247				ORG	LOADAD&X00				0900				
248			)0R004	EQU	*			0899		GEN			
249				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	0248: 0	)9R003	0252: 0	BEGIN3	0838: 0	BEGN43	0838: 0	CDOVLY	0700: 0	CLRME	0201: 0
CW	1167: 0	DONE	0861: 0	ENDSTM	1087: 0	ERR36	1227: 0	ERROR2	1263: 0	GLOBER	0184: 0
GMWM	1272: 0	HALT	1144: 0	K01234	1185: 0	LOADAD	0838: 0	LOADNX	0700: 0	PHAS43	0201: 0
PHASLD	0381: 0	RBRACK	1175: 0	SENSE0	1148: 0	SENSOK	1054: 0	SEQCOD	1174: 0	SLITE	0870: 0
SNAPEX	0564: 0	SNAPSH	0333: 0	SW	1264: 0	SW2	1265: 0	SYNTAX	1001: 0	TOP3	2600: 0
TPERR	0728: 0	TPREAD	0704: 0	TSTBRK	1106: 0	TSTCOD	0982: 0	W2	1180: 0	W3	1178: 0
X1	0089: 0	X2	0094: 0	X3	0099: 0						

UNREFERENCED SYMBOLS

PHASLD SNAPEX TOP3 TPERR TPREAD