

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- SUBSCRIPTS PHASE -- 21								
102			CTL		6611								
103			*										
104			*		SUBSCRIPTS WHICH MUST BE COMPUTED AT OBJECT TIME ARE REDUCED								
105			*		TO THE REQUIRED PARAMETERS.								
106			*										
107			*		ON ENTRY, X1 IS THE TOP OF THE PREFIX OF THE TOP STATEMENT								
108			*		AND X2 IS ONE BELOW THE BOTTOM STATEMENT.								
109			*										
110			X1	EQU	89			0089					
111			X2	EQU	94			0094					
112			X3	EQU	99			0099					
113			*										
114			*		STUFF IN THE RESIDENT AREA								
115			*										
116			*										
117				EXT00	SNAPSH, LOADNX, CDOVLY					MACRO			
118			SNAPSH	EQU	333			0333		GEN			
119			PHASLD	EQU	381			0381		GEN			
120			SNAPEX	EQU	564			0564		GEN			
121			LOADNX	EQU	700			0700		GEN			
122			CDOVLY	EQU	700			0700		GEN			
123			TPREAD	EQU	704			0704		GEN			
124			TPERR	EQU	728			0728		GEN			
125			*										
126				EXT03	START, TOP OF PHASE 3					MACRO			
127			BEGIN3	EQU	838			0838		GEN			
128			TOP3	EQU	2600			2600		GEN			
129			*										
130			110	DCW	@SUBSCR@		6	0110				1	
131			099	DCW	000		3	0099				2	
132			100	DC	0		1	0100				2	
133			*										
134			PHAS21	LDPH	SUBSCR,LOADAD,BEGN21,,,21					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[, SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
135			)6J003	EQU	110			0110		GEN			
136			)6K003	EQU	700			0700		GEN			
137			)6L003	EQU	704			0704		GEN			
138			)6M003	EQU	728			0728		GEN			
			*							GEN			
139				ORG	201				0201				
140			PHAS21	EQU	*&1			0201		GEN			
141			LCA	)9J003,	)6J003		7	0201	L 249 110	GEN	3	249	110
142			BCE	)6K003,	)6K003,1		8	0208	B 700 700 1	GEN	3	700	700
143			BCE	)6K003,	)6L003&4,0		8	0216	B 700 708 0	GEN	3	700	708
144			RTW	1,LOADAD			8	0224	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	0232	B 728 L	GEN	3	728	
146				CS	BEGN21,)9R003		7	0237	/ 838 253	GEN	4	838	253
147			)9J003	DCW	@SUBSCR@		6	0249		GEN	4		
148				DC	#1		1	0250		GEN	4		
149				DC	@21@		2	0252		GEN	4		
150			)9R003	DCW	@}@		1	0253		GEN	4		
151				XFR	PHAS21				B 201		4	201	
152			*										
153				ORG	BEGIN3				0838				
154				LOADAD	EQU *&1			0838					
155	838		BEGN21	CS	0&X2 CLEAR BELOW BOTTOM STATEMENT		4	0838	/ 0!0		5	000+2	
156	842			CS			1	0842	/		5		
157	843			SBR	X2,1&X1		7	0843	H 094 0|1		5	094	001+1
158	850			SBR	SX1		4	0850	H /80		5	1180	
159	854		LOOP	BCE	DONE,0&X1, BELOW BOTTOM STATEMENT		8	0854	B /39 0|0		5	1139	000+1
160	862			MCW	0&X1,SEQCOD		7	0862	M 0|0 /84		5	000+1	1184
161	869			B	MOVEUP		4	0869	B |64		5	1064	
162	873			BCE	ENDST1,SEQCOD-3,/ END STATEMENT?		8	0873	B /31 /81 /		6	1131	1181
163	881			BCE	ENDST1,SEQCOD-3,F FORMAT STATEMENT?		8	0881	B /31 /81 F		6	1131	1181
164	889		SCHSUB	BCE	SUB6,0&X1,\$		8	0889	B 923 0|0 \$		6	923	000+1
165	897			CHAIN	5					MACRO			
166				BCE			1	0897	B	GEN	6		
167				BCE			1	0898	B	GEN	6		
168				BCE			1	0899	B	GEN	6		
169				BCE			1	0900	B	GEN	6		
170				BCE			1	0901	B	GEN	6		
171	902			BW	ENDSTM,0&X1		8	0902	V /24 0|0 1		6	1124	000+1
172	910			CHAIN	5					MACRO			
173				BW			1	0910	V	GEN	6		
174				BW			1	0911	V	GEN	6		
175				BW			1	0912	V	GEN	7		
176				BW			1	0913	V	GEN	7		
177				BW			1	0914	V	GEN	7		
178	915			SBR	X1		4	0915	H 089		7	089	
179	919			B	SCHSUB		4	0919	B 889		7	889	
180			*										
181					* GOT X1 TO WITHIN SIX OF A \$, WHICH INDICATES SUBSCRIPTING.								
182					* GET TO IT EXACTLY.								
183			*										
184	923		SUB6	BCE	GOTSUB,0&X1,\$		8	0923	B 939 0|0 \$		7	939	000+1
185	931			SBR	X1		4	0931	H 089		7	089	
186	935			B	SUB6		4	0935	B 923		7	923	
187	939		GOTSUB	SW	0&X1		4	0939	, 0|0		7	000+1	
188	943			B	MOVE2		4	0943	B /55		7	1155	
189	947			MN	0&X1		4	0947	D 0|0		7	000+1	
190	951			SAR	X1		4	0951	Q 089		8	089	
191	955			B	X1DEC4		4	0955	B |98		8	1098	
192	959		MORSUB	SW	2&X1		4	0959	, 0|2		8	002+1	
193	963			B	MOVE2		4	0963	B /55		8	1155	
194	967			B	X1DEC4		4	0967	B |98		8	1098	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	131	ENDST1	B	MOVEUP MOVE UP TAIL OF STATEMENT	4		1131	B |64		12	1064	
246	1	135		B	LOOP	4		1135	B 854		12	854	
247			*										
248			* DONE										
249			*										
250	1	139	DONE	MCW	SX1,X1	7		1139	M /80 089		13	1180	089
251	1	146		BSS	SNAPSH,C	5		1146	B 333 C		13	333	
252	1	165		B	LOADNX	4		1151	B 700		13	700	
253			*										
254			* MOVE UP A		CHUNK OF THE STATEMENT								
255			*										
256	1	169	MOVE2	SBR	MOVE2X&3	4		1155	H /77		13	1177	
257	1	173		LCA	0&X3,0&X2	7		1159	L 0?0 0!0		13	000+3	000+2
258	1	180		SBR	X2	4		1166	H 094		13	094	
259	1	184		CW	1&X2	4		1170	) 0!1		13	001+2	
260	1	188	MOVE2X	B	0-0	4		1174	B 000		13	000	
261			*										
262			* DATA										
263			*										
264	1	194	SX1	DCW	#3	3		1180			14		
265	1	198	SEQCOD	DCW	#4	4		1184			14		
266	1	245	ERR12	DCW	@ERROR 12 - FLOATING POINT SUBSCRIPT, STATEMENT @	47		1231			16		
267	1	246	KDOL	DCW	@\$@	1		1232			16		
268	1	256	GMWM	DCW	@}@	1		1233		GMARK	16		
269				XFR	BEGN21				B 838		17	838	
270			CLRME	CLRA	BEGN21,GMWM					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
			*							GEN			
			* CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS							GEN			
			*							GEN			
271			ORG		201				0201				
			*							GEN			
			* CLEAR DOWN TO CLRBOT & X00 THE EASY WAY							GEN			
			*							GEN			
272			CLRME	EQU	*&1			0201		GEN			
273			)0J004	CS	GMWM CLEAR FROM CLRTOP	4		0201	/ S33	GEN	18	1233	
274				SBR	)0J004&3	4		0205	H 204	GEN	18	204	
275				SBR	)0L004&6	4		0209	H 250	GEN	18	250	
276				C	)0J004&3,)0M004 DOWN TO CLRBOT & X00?	7		0213	C 204 261	GEN	18	204	261
277				BU	)0J004	5		0220	B 201 /	GEN	18	201	
			*							GEN			
			* NOW CLEAR DOWN TO CLRBOT THE HARD WAY							GEN			
			*							GEN			
278			)0K004	C	)0L004&6,)0N004	7		0225	C 250 264	GEN	18	250	264
279				BU	)0L004	5		0232	B 244 /	GEN	18	244	
280				CS	LOADNX,)0Q004 LOAD THE NEXT BLOCK AT 1	7		0237	/ 700 271	GEN	19	700	271
281			)0L004	LCA	)0P004,0-0 CLEAR WITH BLANK AND WORD MARK	7		0244	L 265 000	GEN	19	265	000
282				SBR	)0L004&6	4		0251	H 250	GEN	19	250	
283				B	)0K004	4		0255	B 225	GEN	19	225	
284			)0M004	DSA	)0R004 CLRBOT & X00 - 1	3		0261	899	GEN	19	899	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
285			)0N004	DSA	BEGN21 CLRBOT	3		0264	838	GEN	19	838	
286			)0P004	DCW	#1	1		0265		GEN	19		
287				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0270		GEN	19		
288			)0Q004	DCW	@)@	1		0271		GEN	19		
289				ORG	BEGN21&X00				0900				
290			)0R004	EQU	* CLRBOT & X00 - 1			0899		GEN			
291				XFR	CLRME				B 201		20	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	0249: 0	)9R003	0253: 0	BEGIN3	0838: 0	BEGN21	0838: 0	CDOVLY	0700: 0	CLRME	0201: 0
DONE	1139: 0	ENDST1	1131: 0	ENDSTM	1124: 0	ERR12	1231: 0	GMWM	1233: 0	GOTSUB	0939: 0
INTSUB	1021: 0	KDOL	1232: 0	LOADAD	0838: 0	LOADNX	0700: 0	LOOP	0854: 0	MORSUB	0959: 0
MOVE2	1155: 0	MOVE2X	1174: 0	MOVEUP	1064: 0	MOVEX	1094: 0	PHAS21	0201: 0	PHASLD	0381: 0
SCHSUB	0889: 0	SEQCOD	1184: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SUB6	0923: 0	SX1	1180: 0
TOP3	2600: 0	TPERR	0728: 0	TPREAD	0704: 0	X1	0089: 0	X1DEC4	1098: 0	X1DECX	1120: 0
X2	0094: 0	X3	0099: 0								

UNREFERENCED SYMBOLS

CDOVLY PHASLD SNAPEX TOP3 TPERR TPREAD