

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- SHIFT CFL PHASE -- PHASE 50B								
102			CTL		6611								
103			*										
104			*		CONSTANTS, FORMATS AND LIST STRINGS ARE MOVED INTO THEIR								
105			*		OBJECT CORE-STORAGE LOCATIONS ABOVE ARRAY STORAGE. ARRAY								
106			*		STORAGE-AREA IS CLEARED.								
107			*										
108			*		ON ENTRY X3 IS AT THE TOP OF THE MOVED-DOWN CODE.								
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			TBLBOT	EQU	145 ONE BELOW NUMBERS, FORMATS, I/O LISTS						0145		
117			SEQTAB	EQU	148 BOTTOM OF SEQUENCE NUMBER TABLE - 2						0148		
118			ARYSIZ	EQU	160 TOTAL ARRAY SIZE & 2						0160		
119			NEGARY	EQU	163 16000 - ARYSIZ						0163		
120			ARYTOP	EQU	194 TOP OF ARRAYS IN OBJECT CODE						0194		
121			TOPCOR	EQU	688 TOP CORE ADDRESS FROM PARAM CARD						0688		
122			*										
123			EXT00		SNAPSH, LOADNX, CDOVLY								MACRO
124			SNAPSH	EQU	333						0333		GEN
125			PHASLD	EQU	381						0381		GEN
126			SNAPEX	EQU	564						0564		GEN
127			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP						0700		GEN
128			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE						0700		GEN
129			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE						0704		GEN
130			TPERR	EQU	728						0728		GEN
131			*										
132			EXT03		START, TOP OF PHASE 3								MACRO
133			BEGIN3	EQU	838						0838		GEN
134			TOP3	EQU	2600						2600		GEN
135			SFX		<								
136			EXT47		STUFF IN RESORT PHASE ONE -- 47								MACRO
137			TOPA	EQU	841 TABBOT PLUS 3 X NUMBER OF STATEMENTS	<					0841		GEN
138			SX3A	EQU	844 USED ONLY IN PHASE 48 AND 49	<					0844		GEN
139			TABBOT	EQU	847 BOTTOM OF RESORT TABLE	<					0847		GEN
140			NEXT	EQU	850 USED ONLY IN PHASE 49	<					0850		GEN
141			SX2	EQU	853 USED ONLY IN PHASE 48 AND 49	<					0853		GEN
142			SX3B	EQU	856	<					0856		GEN
143			W3	EQU	859 USED ONLY IN PHASE 48 AND 49	<					0859		GEN
144			TOPC	EQU	862 TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1	<					0862		GEN
145			SEQNO	EQU	865 USED ONLY IN PHASE 48 AND 49	<					0865		GEN
146			TOPC5	EQU	870 TOPC AS FIVE DIGITS	<					0870		GEN
147			TIMES6	EQU	875 DOCNT TIMES 6	<					0875		GEN
148			W5	EQU	880 USED ONLY IN PHASE 49	<					0880		GEN
149			TOPB	EQU	883 TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1	<					0883		GEN
150			FLAG	EQU	884 USED ONLY IN PHASE 48 AND 49	<					0884		GEN

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
151			ADR5B	EQU	891	<		0891		GEN			
152			ADR5	EQU	896	<		0896		GEN			
153			CONV53	EQU	929	<		0929		GEN			
154			CONV35	EQU	969	<		0969		GEN			
155			FINDGM	EQU	1052	<		1052		GEN			
156			TOOBIG	EQU	1092	<		1092		GEN			
157			BEGN47	EQU	1175	<		1175		GEN			
158				SFX									
159			*										
160			* ADR5B	EQU	891								
161			* ADR5	EQU	896								
162			* CONV35	EQU	969				CONVERT ADDRESS IN ADR5 TO DIGITS IN ADR5B				
163			* TOOBIG	EQU	1092								
164			*										
165			PHS50B	LDPH	SHIFT CFL,LOADAD,BEG50B,,50B					MACRO			
			* PHAZ	LDPH	[PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			* XFR	PHASZ	PROHIBITED IN A MACRO					GEN			
			*							GEN			
			* LOAD A BLOCK							GEN			
			*							GEN			
166			)6J004	EQU	110 PHASE ID			0110		GEN			
167			)6K004	EQU	700 LOAD NEXT PHASE			0700		GEN			
168			)6L004	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
169			)6M004	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
170				ORG	201				0201				
171			PHS50B	BSS	)8J004,G		5	0201	B 257 G	GEN	1	257	
172				NOF	TO PATCH IN TRAPS FOR DEBUGGING		1	0206	N	GEN	1		
173			)0J004	EQU	*&1			0207		GEN			
174				LCA	)9J004,)6J004		7	0207	L 281 110	GEN	1	281	110
175				BCE	)1J004,)6K004,1 Q: LOADING FROM CARDS?		8	0214	B 250 700 1	GEN	1	250	700
176				BCE	)1J004,)6L004&4,0 Q: LOADING FROM AUTOCODER TAPE?		8	0222	B 250 708 0	GEN	1	250	708
177				RTW	1,LOADAD READ THE BLOCK		8	0230	L %U1 /75 R	GEN	1	%U1	1175
178				BER	)6M004 Q: TAPE ERROR?		5	0238	B 728 L	GEN	2	728	
179				CS	BEG50B,)9R004 ENTER THE BLOCK		7	0243	/ /75 286	GEN	2	1175	286
180			)1J004	CS	)6K004,)9R004 LOAD CARDS OR AUTOCODER TAPE		7	0250	/ 700 286	GEN	2	700	286
181			)8J004	SW	)9R004		4	0257	, 286	GEN	2	286	
182				MU	%T0,)8K004,W		8	0261	M %T0 273 W	GEN	2	%T0	273
183				H	)0J004		4	0269	. 207	GEN	2	207	
184			)8K004	EQU	*&1			0273		GEN			
185			)9J004	DCW	@SHIFT CFL@ PHASE ID		9	0281		GEN	3		
186				DCW	#1		1	0282		GEN	3		
187				DC	@50B@ PHASE NUMBER		3	0285		GEN	3		
188			)9R004	DCW	@}@		1	0286		GEN	3		
189				XFR	PHS50B				B 201		4	201	
190			*										
191				ORG	BEGN47				1175				
192			LOADAD	EQU	*&1			1175					
193	1	175	BEG50B	C	TOPCOR,ARYTOP		7	1175	C 688 194		5	688	194
194	1	182		BE	DONE		5	1182	B 700 S		5	700	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	187		MCW	SEQTAB,X1	7		1187	M 148 089		5	148	089
196	1	194		MCW	SEQTAB,X2	7		1194	M 148 094		5	148	094
197	1	201		MA	NEGARY,X2	7		1201	# 163 094		5	163	094
198	1	208		SBR	SX3&6,0&X3	7		1208	H U89 0?0		6	1489	000+3
199	1	215		CW	ADR5 <-2	4		1215	) 894		6	894	
200	1	219		MCW	X2,ADR5 <	7		1219	M 094 896		6	094	896
201	1	226		B	CONV35	4		1226	B 969		6	969	
202	1	230		MCW	ADR5B<,W5A	7		1230	M 891 V53		6	891	1553
203	1	237		MCW	X3,ADR5 <	7		1237	M 099 896		6	099	896
204	1	244		B	CONV35	4		1244	B 969		7	969	
205	1	248		MCW	ADR5B<,W5B	7		1248	M 891 V58		7	891	1558
206	1	255		C	W5A,W5B	7		1255	C V53 V58		7	1553	1558
207	1	262		BH	TOOBIG	5		1262	B |92 U		7	1092	
208	1	267		MCW	SEQTAB,ADR5 <	7		1267	M 148 896		7	148	896
209	1	274		B	CONV35	4		1274	B 969		7	969	
210	1	278		MCW	ADR5B<,W5C	7		1278	M 891 V63		8	891	1563
211	1	285		MCW	ARYTOP,ADR5 <	7		1285	M 194 896		8	194	896
212	1	292		B	CONV35	4		1292	B 969		8	969	
213	1	296		MCW	ADR5B<,W5D	7		1296	M 891 V68		8	891	1568
214	1	303		C	W5C,W5D	7		1303	C V63 V68		8	1563	1568
215	1	310		BIN	TESTMV,	5		1310	B V74		8	1574	
216				*									
217				*	MOVE SEQUENCE NUMBER TABLE DOWN BY THE ARRAY SIZE								
218				*									
219	1	315	SEQMV	MA	KA001,X1	7		1315	# V71 089		9	1571	089
220	1	322		MA	KA001,X2	7		1322	# V71 094		9	1571	094
221	1	329		BW	SEQMV3,0&X1	8		1329	V T82 0|0 1		9	1382	000+1
222	1	337		CW	0&X2	4		1337	) 0!0		9	000+2	
223	1	341		MN	0&X1,0&X2	7		1341	D 0|0 0!0		9	000+1	000+2
224	1	348		MZ	0&X1,0&X2	7		1348	Y 0|0 0!0		10	000+1	000+2
225	1	355	SEQMV2	CW	0&X1	4		1355	) 0|0		10	000+1	
226	1	359		C	X1,ARYTOP	7		1359	C 089 194		10	089	194
227	1	366		BU	SEQMV	5		1366	B T15 /		10	1315	
228	1	371		MCW	ARYTOP,X3	7		1371	M 194 099		10	194	099
229	1	378		B	NOSQV2	4		1378	B U00		10	1400	
230	1	382	SEQMV3	LCA	0&X1,0&X2	7		1382	L 0|0 0!0		11	000+1	000+2
231	1	389		B	SEQMV2	4		1389	B T55		11	1355	
232				*									
233				*	DON'T MOVE THE SEQUENCE NUMBER TABLE								
234				*									
235	1	393	NOSQMV	MCW	SEQTAB,X3	7		1393	M 148 099		11	148	099
236	1	400	NOSQV2	BW	*&9,1&X3	8		1400	V U16 0?1 1		11	1416	001+3
237	1	408		CW	FLAG	4		1408	) V72		11	1572	
238	1	412		SW	1&X3	4		1412	, 0?1		11	001+3	
239				*									
240				*	MOVE CONSTANTS AND STRINGS UP								
241				*									
242	1	416		MCW	TOPCOR,X1	7		1416	M 688 089		12	688	089
243	1	423		MCW	ARYTOP,X2	7		1423	M 194 094		12	194	094
244	1	430	MOVEUP	LCA	0&X1,0&X2	7		1430	L 0|0 0!0		12	000+1	000+2

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR	
288				BU	)0J005	5		0225	B 206 /	GEN	19	206	
			*							GEN				
			*	NOW CLEAR DOWN TO CLRBOT THE HARD WAY							GEN			
			*							GEN				
289			)0K005	C	)0L005&6,)0N005	7		0230	C 255 269	GEN	19	255	269
290				BU	)0L005	5		0237	B 249 /	GEN	20	249	
291				CS	LOADNX,)0Q005	7		0242	/ 700 276	GEN	20	700	276	
292			)0L005	LCA	)0P005,0-0	7		0249	L 270 000	GEN	20	270	000
293				SBR	)0L005&6	4		0256	H 255	GEN	20	255	
294				B	)0K005	4		0260	B 230	GEN	20	230	
295			)0M005	DSA	)0R005	3		0266	899	GEN	20	899	
296			)0N005	DSA	BEGIN3	3		0269	838	GEN	20	838	
297			)0P005	DCW	#1	1		0270		GEN	21		
298				DC	@CLRA @	5		0275		GEN	21			
299			)0Q005	DCW	@}@	1		0276		GEN	21		
300				ORG	BEGIN3&X00				0900					
301			)0R005	EQU	*			0899		GEN			
302				XFR	CLRME				B 201		22	201		

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0207: 0	)0J005	0206: 0	)0K005	0230: 0	)0L005	0249: 0	)0M005	0266: 0	)0N005	0269: 0
)0P005	0270: 0	)0Q005	0276: 0	)0R005	0899: 0	)1J004	0250: 0	)6J004	0110: 0	)6K004	0700: 0
)6L004	0704: 0	)6M004	0728: 0	)8J004	0257: 0	)8K004	0273: 0	)9J004	0281: 0	)9R004	0286: 0
ADR5 <	0896: 0	ADR5B<	0891: 0	ARYSIZ	0160: 0	ARYTOP	0194: 0	BEG50B	1175: 0	BEGIN3	0838: 0
BEGN47	1175: 0	CDOVLY	0700: 0	CLRME	0201: 0	CONV35	0969: 0	CONV53	0929: 0	CSLOOP	1518: 0
DONE	0700: 0	FINDGM	1052: 0	FLAG	1572: 0	FLAG <	0884: 0	GMWM	1584: 0	KA001	1571: 0
KB1	1573: 0	LOADAD	1175: 0	LOADNX	0700: 0	MOVEUP	1430: 0	NEGARY	0163: 0	NEXT <	0850: 0
NOSQMV	1393: 0	NOSQV2	1400: 0	PHASLD	0381: 0	PHS50B	0201: 0	SEQMV	1315: 0	SEQMV2	1355: 0
SEQMV3	1382: 0	SEQNO<	0865: 0	SEQTAB	0148: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SX2 <	0853: 0
SX3	1483: 0	SX3A <	0844: 0	SX3B <	0856: 0	TABBOT	0847: 0	TBLBOT	0145: 0	TESTMV	1574: 0
TIMES6	0875: 0	TOOBIG	1092: 0	TOP3	2600: 0	TOPA <	0841: 0	TOPB <	0883: 0	TOPC <	0862: 0
TOPC5<	0870: 0	TOPCOR	0688: 0	TPERR	0728: 0	TPREAD	0704: 0	W3 <	0859: 0	W5 <	0880: 0
W5A	1553: 0	W5B	1558: 0	W5C	1563: 0	W5D	1568: 0	X1	0089: 0	X2	0094: 0
X3	0099: 0										

UNREFERENCED SYMBOLS

CDOVLY CONV53 FINDGM FLAG < NEXT < PHASLD SEQNO< SNAPEX SX2 < SX3A < SX3B < TABBOT TIMES6 TOP3 TOPA < TOPB < TOPC < TOPC5< TPERR TPREAD W3 < W5 <