

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101				JOB	FORTRAN COMPILER -- CONDENSED DECK PHASE 3 -- 60								
102				CTL	6611								
103				*									
104			X1	EQU	89			0089					
105			X2	EQU	94			0094					
106			X3	EQU	99			0099					
107				*									
108				*	STUFF IN THE RESIDENT AREA								
109				*									
110			PHASID	EQU	110 PHASE ID, FOR SNAPSHOT DUMPS			0110					
111			NSTMTS	EQU	183 NUMBER OF STATEMENTS, INCLUDING GENERATED STOP			0183					
112				*	BEGINING OF GENERATED CODE BY NOW.								
113			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184					
114			ARYTOP	EQU	194 TOP OF ARRAYS IN OBJECT CODE			0194					
115			CONDNS	EQU	693 P FOR CONDENSED DECK			0693					
116			FMTSW	EQU	696 X FOR NO FORMAT, L FOR LIMITED FORMAT			0696					
117				*	BLANK FOR ORDINARY, A FOR A CONVERSION								
118				*									
119				EXT00	SNAPSH, LOADNX, CDOVLY							MACRO	
120			SNAPSH	EQU	333			0333				GEN	
121			PHASLD	EQU	381			0381				GEN	
122			SNAPEX	EQU	564			0564				GEN	
123			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700				GEN	
124			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700				GEN	
125			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704				GEN	
126			TPERR	EQU	728			0728				GEN	
127				*									
128				EXT03	START, TOP OF PHASE 3							MACRO	
129			BEGIN3	EQU	838			0838				GEN	
130			TOP3	EQU	2600			2600				GEN	
131				XT54B	ADDRESSES IN LIMITED FORMAT ROUTINE							MACRO	
132			FMTBAS	EQU	1697			1697				GEN	
133			LIMADR	EQU	2015 USED IN DIMENSION PHASE 2			2015				GEN	
134			LGM	EQU	2031			2031				GEN	
135				XT54C	ADDRESSES IN NORMAL AND A FORMAT ROUTINES							MACRO	
136			RELENT	EQU	2132 ENTER HERE FROM RELOCATABLE FUNCTION TABLE			2132				GEN	
137			AFMT1	EQU	4280			4280				GEN	
138			AGM	EQU	4646			4646				GEN	
139				EXT58	STUFF FROM PHASE 58							MACRO	
140			GMWM58	EQU	1453			1453				GEN	
141				*									
142				*	THE CLEAR ME OVERLAY FROM PHASE 58 IS MOVED HERE SO AS TO BE								
143				*	AFTER THE CARDS THAT PHASE 58 PUNCHES INTO THE CONDENSED DECK.								
144				*									
145			CLR58	CLRA	BEGIN3,GMWM58,C							MACRO	
				*	CLRA CLRBOT,CLRTOP[,SS,HERE,GWMAD]							GEN	
				*								GEN	
				*	CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS							GEN	
				*								GEN	
146			ORG		201				0201				

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
			*							GEN			
			* CLEAR DOWN TO CLRBOT & X00 THE EASY WAY							GEN			
			*							GEN			
147			CLR58	EQU	*&1			0201		GEN			
148				BSS	SNAPSH,C	5		0201	B 333 C	GEN	1	333	
149			)0J006	CS	GMWM58 CLEAR FROM CLRTOP	4		0206	/ U53	GEN	1	1453	
150				SBR	)0J006&3	4		0210	H 209	GEN	1	209	
151				SBR	)0L006&6	4		0214	H 255	GEN	1	255	
152				C	)0J006&3,)0M006 DOWN TO CLRBOT & X00?	7		0218	C 209 266	GEN	1	209	266
153				BU	)0J006	5		0225	B 206 /	GEN	1	206	
			*							GEN			
			* NOW CLEAR DOWN TO CLRBOT THE HARD WAY							GEN			
			*							GEN			
154			)0K006	C	)0L006&6,)0N006	7		0230	C 255 269	GEN	1	255	269
155				BU	)0L006	5		0237	B 249 /	GEN	2	249	
156				CS	LOADNX,)0Q006 LOAD THE NEXT BLOCK AT 1	7		0242	/ 700 276	GEN	2	700	276
157			)0L006	LCA	)0P006,0-0 CLEAR WITH BLANK AND WORD MARK	7		0249	L 270 000	GEN	2	270	000
158				SBR	)0L006&6	4		0256	H 255	GEN	2	255	
159				B	)0K006	4		0260	B 230	GEN	2	230	
160			)0M006	DSA	)0R006 CLRBOT & X00 - 1	3		0266	899	GEN	2	899	
161			)0N006	DSA	BEGIN3 CLRBOT	3		0269	838	GEN	2	838	
162			)0P006	DCW	#1	1		0270		GEN	3		
163				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0275		GEN	3		
164			)0Q006	DCW	@}@	1		0276		GEN	3		
165				ORG	BEGIN3&X00				0900				
166			)0R006	EQU	* CLRBOT & X00 - 1			0899		GEN			
167				XFR	CLR58				B 201		4	201	
168			*										
169			PHAS60	LDPH	CONDECK3,LOADAD,BEGN60,,,60					MACRO			
			* PHAZ	LDPH	[PHASID],[LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			* XFR	PHASZ	PROHIBITED IN A MACRO					GEN			
			*							GEN			
			* LOAD A BLOCK							GEN			
			*							GEN			
170			)6J007	EQU	110 PHASE ID			0110		GEN			
171			)6K007	EQU	700 LOAD NEXT PHASE			0700		GEN			
172			)6L007	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
173			)6M007	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
174				ORG	201				0201				
175			PHAS60	BSS	)8J007,G	5		0201	B 257 G	GEN	5	257	
176				NOF	TO PATCH IN TRAPS FOR DEBUGGING	1		0206	N	GEN	5		
177			)0J007	EQU	*&1			0207		GEN			
178				LCA	)9J007,)6J007	7		0207	L 280 110	GEN	5	280	110
179				BCE	)1J007,)6K007,1 Q: LOADING FROM CARDS?	8		0214	B 250 700 1	GEN	5	250	700
180				BCE	)1J007,)6L007&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0222	B 250 708 0	GEN	5	250	708
181				RTW	1,LOADAD READ THE BLOCK	8		0230	L %U1 838 R	GEN	5	%U1	838
182				BER	)6M007 Q: TAPE ERROR?	5		0238	B 728 L	GEN	6	728	
183				CS	BEGN60,)9R007 ENTER THE BLOCK	7		0243	/ 838 284	GEN	6	838	284
184			)1J007	CS	)6K007,)9R007 LOAD CARDS OR AUTOCODER TAPE	7		0250	/ 700 284	GEN	6	700	284

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
185			)8J007	SW	)9R007	4		0257	, 284	GEN	6	284	
186				MU	%T0,)8K007,W	8		0261	M %T0 273 W	GEN	6	%T0	273
187				H	)0J007	4		0269	. 207	GEN	6	207	
188			)8K007	EQU	*&1			0273		GEN			
189			)9J007	DCW	@CONDECK3@ PHASE ID	8		0280		GEN	7		
190				DCW	#1	1		0281		GEN	7		
191				DC	@60@ PHASE NUMBER	2		0283		GEN	7		
192			)9R007	DCW	@}@	1		0284		GEN	7		
193				XFR	PHAS60				B 201		8	201	
194			*										
195				ORG	BEGIN3				0838				
196			LOADAD	EQU	*&1			0838					
197	838		BEGN60	MCW	NSTMTS,X1 BEGINING OF GENERATED CODE	7		0838	M 183 089		9	183	089
198	845			BCE	*&5,CONDNS,P	8		0845	B 857 693 P		9	857	693
199	853			B	DONE	4		0853	B U74		9	1474	
200	857			BW	DONE,GLOBER	8		0857	V U74 184 1		9	1474	184
201	865		LOOP	SBR	PUEXIT&3,SETUP	7		0865	H /55 893		9	1155	893
202	872			MCW	SETWMS-11,W7 ,040040	7		0872	M U91 V19		10	1491	1519
203	879			MCW	A146,X3	7		0879	M V06 099		10	1506	099
204	886			MCW	LCA,140	7		0886	M V07 140		10	1507	140
205	893		SETUP	CS	139	4		0893	/ 139		10	139	
206	897			BCV	*&5	5		0897	B 906 @		10	906	
207	902			B	*&3	4		0902	B 908		10	908	
208	906			CC	1	2		0906	F 1		10		
209	908			MCW	SETWMS,171	7		0908	M V02 171		11	1502	171
210	915			SW	140	4		0915	, 140		11	140	
211	919			CS	332	4		0919	/ 332		11	332	
212	923			CS		1		0923	/		11		
213	924			SW	101	4		0924	, 101		11	101	
214	928			MCW	A001,X2	7		0928	M V10 094		11	1510	094
215	935			MCW	K1,W1	7		0935	M V11 V12		11	1511	1512
216	942			MCW	W7,153	7		0942	M V19 153		12	1519	153
217	949			BW	CWLOAD,FLAG	8		0949	V S91 V03 1		12	1291	1503
218	957		MORE	MN	0&X1,100&X2 MOVE A CHARACTER	7		0957	D 0|0 1!0		12	000+1	100+2
219	964			MZ	0&X1,100&X2 TO THE PUNCH AREA	7		0964	Y 0|0 1!0		12	000+1	100+2
220	971		CHKTOP	C	ARYTOP,X1	7		0971	C 194 089		12	194	089
221	978			BE	TOP	5		0978	B S04 S		13	1204	
222	983			SBR	X1,1&X1	7		0983	H 089 0|1		13	089	001+1
223	990			SBR	X2,1&X2	7		0990	H 094 0!1		13	094	001+2
224	997			BCE	ENDCOD,0&X1,] RIGHT BRACKET MEANS END OF CODE	8		0997	B S83 0|0]		13	1283	000+1
225	1 005			BW	WM,0&X1	8		1005	V S15 0|0 1		13	1215	000+1
226	1 013			C	A040,X2	7		1013	C V22 094		14	1522	094
227	1 020			BL	MORE	5		1020	B 957 T		14	957	
228	1 025			C	A160,X3	7		1025	C V25 099		14	1525	099
229	1 032			BL	SETCW	5		1032	B /75 T		14	1175	
230	1 037			MCW	A040,167	7		1037	M V22 167		14	1522	167
231	1 044			BH	*&8	5		1044	B |56 U		14	1056	
232	1 049			MCW	A040,164	7		1049	M V22 164		15	1522	164
233	1 056			CW	140	4		1056	) 140		15	140	
234	1 060		SW	SW	0	4		1060	, 000		15	000	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
335					* DATA								
336					*								
337	1	503	USRBAS	DSA	AFMT1 BASE ADDRESS OF USER CODE	3		1484	28 |		27	4280	
338	1	521	SETWMS	DCW	@,040040,0400401040@	18		1502			28		
339	1	522	FLAG	DC	#1	1		1503			28		
340	1	525	A146	DSA	146	3		1506	146		28	146	
341	1	526	LCA	LCA		1		1507	L		28		
342	1	529	A001	DSA	1	3		1510	001		28	001	
343	1	530	K1	DCW	1	1		1511			28		
344	1	531	W1	DCW	#1	1		1512			28		
345	1	538	W7	DCW	#7	7		1519			28		
346	1	541	A040	DSA	40	3		1522	040		29	040	
347	1	544	A160	DSA	160	3		1525	160		29	160	
348	1	547	KM990	DCW	-990	3		1528			29		
349	1	550	A000	DSA	0	3		1531	000		29	000	
350	1	551	CW	CW		1		1532	)		29		
351	1	554	A153	DSA	153	3		1535	153		29	153	
352	1	557	A167	DSA	167	3		1538	167		29	167	
353	1	560	A080	DSA	80	3		1541	080		30	080	
354	1	561	CS	CS		1		1542	/		30		
355	1	572		DSA	3999 WHAT IS THIS FOR ???	3		1545	I99		30	3999	
356	1	573	GMWM	DCW	@}@	1		1546		GMARK	30		
357				XFR	BEGN60				B 838		31	838	
358			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			
359			ORG	201					0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
360			CLRME	EQU	*&1			0201		GEN			
361			BSS		SNAPSH,C	5		0201	B 333 C	GEN	32	333	
362			)0J008	CS	GMWM CLEAR FROM CLRTOP	4		0206	/ V46	GEN	32	1546	
363			SBR		)0J008&3	4		0210	H 209	GEN	32	209	
364			SBR		)0L008&6	4		0214	H 255	GEN	32	255	
365			C		)0J008&3,)0M008 DOWN TO CLRBOT & X00?	7		0218	C 209 266	GEN	32	209	266
366			BU		)0J008	5		0225	B 206 /	GEN	32	206	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
367			)0K008	C	)0L008&6,)0N008	7		0230	C 255 269	GEN	32	255	269
368			BU		)0L008	5		0237	B 249 /	GEN	33	249	
369			CS		LOADNX,)0Q008 LOAD THE NEXT BLOCK AT 1	7		0242	/ 700 276	GEN	33	700	276
370			)0L008	LCA	)0P008,0-0 CLEAR WITH BLANK AND WORD MARK	7		0249	L 270 000	GEN	33	270	000
371			SBR		)0L008&6	4		0256	H 255	GEN	33	255	
372			B		)0K008	4		0260	B 230	GEN	33	230	
373			)0M008	DSA	)0R008 CLRBOT & X00 - 1	3		0266	899	GEN	33	899	
374			)0N008	DSA	LOADAD CLRBOT	3		0269	838	GEN	33	838	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
375			)0P008	DCW	#1		1	0270		GEN	34		
376				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP		5	0275		GEN	34		
377			)0Q008	DCW	@}@		1	0276		GEN	34		
378				ORG	LOADAD&X00				0900				
379			)0R008	EQU	* CLRBOT & X00 - 1			0899		GEN			
380				XFR	CLRME				B 201		35	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J006	0206: 0	)0J007	0207: 0	)0J008	0206: 0	)0K006	0230: 0	)0K008	0230: 0	)0L006	0249: 0
)0L008	0249: 0	)0M006	0266: 0	)0M008	0266: 0	)0N006	0269: 0	)0N008	0269: 0	)0P006	0270: 0
)0P008	0270: 0	)0Q006	0276: 0	)0Q008	0276: 0	)0R006	0899: 0	)0R008	0899: 0	)1J007	0250: 0
)6J007	0110: 0	)6K007	0700: 0	)6L007	0704: 0	)6M007	0728: 0	)8J007	0257: 0	)8K007	0273: 0
)9J007	0280: 0	)9R007	0284: 0	A000	1531: 0	A001	1510: 0	A040	1522: 0	A080	1541: 0
A146	1506: 0	A153	1535: 0	A160	1525: 0	A167	1538: 0	AFMT	1415: 0	AFMT1	4280: 0
AFTARY	1348: 0	AGM	4646: 0	ARYTOP	0194: 0	BEGIN3	0838: 0	BEGN60	0838: 0	BUMPX3	1337: 0
CDOVLY	0700: 0	CHKTOP	0971: 0	CLR58	0201: 0	CLRME	0201: 0	CONDNS	0693: 0	CS	1542: 0
CW	1532: 0	CWLOAD	1291: 0	DONE	1474: 0	ENDCOD	1283: 0	FLAG	1503: 0	FMTBAS	1697: 0
FMTSW	0696: 0	GLOBER	0184: 0	GMWM	1546: 0	GMWM58	1453: 0	K1	1511: 0	KM990	1528: 0
LASTCD	1467: 0	LCA	1507: 0	LFMT	1404: 0	LGM	2031: 0	LIMADR	2015: 0	LOADAD	0838: 0
LOADNX	0700: 0	LOOP	0865: 0	MORE	0957: 0	NSTMTS	0183: 0	PHAS60	0201: 0	PHASID	0110: 0
PHASLD	0381: 0	PREXIT	1171: 0	PRINT	1478: 0	PUEX1	1125: 0	PUEXIT	1152: 0	PUNCH	1103: 0
PUNCHO	1089: 0	RELENT	2132: 0	SETCHK	1379: 0	SETCW	1175: 0	SETUP	0893: 0	SETWMS	1502: 0
SNAPEX	0564: 0	SNAPSH	0333: 0	SW	1060: 0	SX1	1082: 0	TOP	1204: 0	TOP3	2600: 0
TPERR	0728: 0	TPREAD	0704: 0	USRBAS	1484: 0	W1	1512: 0	W7	1519: 0	WM	1215: 0
WM2	1272: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0	XFMT	1426: 0		

UNREFERENCED SYMBOLS

CDOVLY LIMADR PHASID PHASLD RELENT SNAPEX TOP3 TPERR TPREAD