

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- SNAPSHOT -- PHASE 53S								
102			CTL		6611								
103			*										
104			*		SAME AS SNAPSHOT IN PHASE 00, EXCEPT THERE'S A GMWM AT THE END								
105			*		OF EXECUTED IN THE LAST DATA OBJECT.								
106			*										
107			X1	EQU	89			0089					
108			X2	EQU	94			0094					
109			X3	EQU	99			0099					
110			*										
111			*		STUFF IN THE RESIDENT AREA								
112			*										
113			PHASID	EQU	110			0110					
114			TOPCOR	EQU	688			0688					
115			*										
116				EXT00	SNAPSH, LOADNX, CDOVLY					MACRO			
117			SNAPSH	EQU	333			0333		GEN			
118			PHASLD	EQU	381			0381		GEN			
119			SNAPEX	EQU	564			0564		GEN			
120			LOADNX	EQU	700			0700		GEN			
121			CDOVLY	EQU	700			0700		GEN			
122			TPREAD	EQU	704			0704		GEN			
123			TPERR	EQU	728			0728		GEN			
124			*										
125				XT52B	STUFF IN PHASE 52BC					MACRO			
126			BEG52C	EQU	934			0934		GEN			
127			CLR52C	EQU	1696			1696		GEN			
128			*										
129			*		ALL WE DO HERE IS CLEAR 52C BECAUSE THE RELOCATABLE LIBRARY COMES								
130			*		IMMEDIATELY AFTER IT, THEN RELOAD THE SNAPSHOT PHASE, THEN LOAD								
131			*		THE NEXT PHASE.								
132			*										
133			CLR52	CLRA	BEG52C, CLR52C					MACRO			
			*		CLRA CLRBOT, CLRTOP [, ORG, GMWMAD]					GEN			
			*							GEN			
			*		CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
134				ORG	201			0201					
			*							GEN			
			*		CLEAR DOWN TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
135			CLR52	EQU	*&1			0201		GEN			
136			)0J003	CS	CLR52C			4 0201	/ W96	GEN	1	1696	
137			SBR	)0J003&3				4 0205	H 204	GEN	1	204	
138			SBR	)0L003&6				4 0209	H 250	GEN	1	250	
139			C	)0J003&3,)0M003	DOWN TO CLRBOT & X00?			7 0213	C 204 261	GEN	1	204	261
140			BU	)0J003				5 0220	B 201 /	GEN	1	201	
			*							GEN			
			*		NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
141			)0K003	C	)0L003&6,)0N003	7		0225	C 250 264	GEN	1	250	264
142				BU	)0L003	5		0232	B 244 /	GEN	1	244	
143				CS	LOADNX,)0Q003 LOAD THE NEXT BLOCK AT 1	7		0237	/ 700 271	GEN	2	700	271
144			)0L003	LCA	)0P003,0-0 CLEAR WITH BLANK AND WORD MARK	7		0244	L 265 000	GEN	2	265	000
145				SBR	)0L003&6	4		0251	H 250	GEN	2	250	
146				B	)0K003	4		0255	B 225	GEN	2	225	
147			)0M003	DSA	)0R003 CLRBOT & X00 - 1	3		0261	999	GEN	2	999	
148			)0N003	DSA	BEG52C CLRBOT	3		0264	934	GEN	2	934	
149			)0P003	DCW	#1	1		0265		GEN	2		
150				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0270		GEN	2		
151			)0Q003	DCW	@}@	1		0271		GEN	3		
152				ORG	BEG52C&X00				1000				
153			)0R003	EQU	* CLRBOT & X00 - 1			0999		GEN			
154				XFR	CLR52				B 201		4	201	
155				*									
156			PHS53S	LDPH	SNAPSHOT,SNAPSH,LOADNX,,53S					MACRO			
				* PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER],[,HALT]					GEN			
				* XFR	PHASZ PROHIBITED IN A MACRO					GEN			
				*						GEN			
				* LOAD A BLOCK						GEN			
				*						GEN			
157			)6J004	EQU	110 PHASE ID			0110		GEN			
158			)6K004	EQU	700 LOAD NEXT PHASE			0700		GEN			
159			)6L004	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
160			)6M004	EQU	728 TAPE ERROR HANDLER			0728		GEN			
				*						GEN			
161				ORG	201				0201				
162			PHS53S	EQU	*&1			0201		GEN			
163				LCA	)9J004,)6J004	7		0201	L 251 110	GEN	5	251	110
164				BCE	)6K004,)6K004,1 Q: LOADING FROM CARDS?	8		0208	B 700 700 1	GEN	5	700	700
165				BCE	)6K004,)6L004&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0216	B 700 708 0	GEN	5	700	708
166				RTW	1,SNAPSH READ THE BLOCK	8		0224	L %U1 333 R	GEN	5	%U1	333
167				BER	)6M004 Q: TAPE ERROR?	5		0232	B 728 L	GEN	5	728	
168				CS	LOADNX,)9R004 ENTER THE BLOCK	7		0237	/ 700 256	GEN	6	700	256
169			)9J004	DCW	@SNAPSHOT@ PHASE ID	8		0251		GEN	6		
170				DC	#1	1		0252		GEN	6		
171				DC	@53S@ PHASE NUMBER	3		0255		GEN	6		
172			)9R004	DCW	@}@	1		0256		GEN	6		
173				XFR	PHS53S				B 201		7	201	
174				*									
175				ORG	333				0333				
176	333		MYSNAP	SBR	EXIT&3 SAME AS SNAPSH	4		0333	H 567		8	567	
177	337			SBR	SXX&6	4		0337	H 408		8	408	
178	341			MCW	KZ3,ADR5-2 START FIVE-DIGIT ADDRESS AT ZERO	7		0341	M 661 656		8	661	656
179	348			MCW	X3,SX3&6	7		0348	M 099 415		8	099	415
180	355			MCW	X1,SX1&6	7		0355	M 089 422		8	089	422
181	362			SBR	X1,1	7		0362	H 089 001		8	089	001
182	369			SBR	X3,202	7		0369	H 099 202		9	099	202
183	376			CS	332	4		0376	/ 332		9	332	
184	380			CS		1		0380	/		9		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
185	381			MCW	PHASID,210	7		0381	M 110 210		9	110	210
186	388			BSS	SKIP,F	5		0388	B 621 F		9	621	
187			*										
188			*	PRINT A	HEADER								
189			*										
190	393			CC	1	2		0393	F 1		9		
191	395			MCW	X2,250	7		0395	M 094 250		9	094	250
192	402	SXX	SBR	216,0	RETURN ADDRESS WAS STORED IN B	7		0402	H 216 000		10	216	000
193	409	SX3	SBR	256,0	X3 WAS STORED IN B	7		0409	H 256 000		10	256	000
194	416	SX1	SBR	244,0	X1 WAS STORED IN B	7		0416	H 244 000		10	244	000
195	423		W			1		0423	2		10		
196	424		CC	K		2		0424	F K		10		
197	426		ZA	KP2,W2A		7		0426	? 662 664		10	662	664
198	433	CLEARH	CS	332		4		0433	/ 332		10	332	
199	437		CS			1		0437	/		11		
200	438		CC	J		2		0438	F J		11		
201	440		MCW	ADR5,306	FIVE-DIGIT ADDRESS	7		0440	M 658 306		11	658	306
202	447		MCW			1		0447	M		11		
203	448		SBR	LOOP&6		4		0448	H 465		11	465	
204	452		MCW	K9,W2B-1		7		0452	M 665 668		11	665	668
205	459	LOOP	MCW	W2B-1,000		7		0459	M 668 000		11	668	000
206	466		MCW	DOTS		4		0466	M 651		12	651	
207	470		SBR	LOOP&6		4		0470	H 465		12	465	
208	474		A	KM10,W2B	ADD I0 = -10	7		0474	A 667 669		12	667	669
209	481		BWZ	LOOP,W2B-1,2	NO ZONE IN COUNTER HIGH DIGIT?	8		0481	V 459 668 2		12	459	668
210	489		A	KP1,ADR5-2	BUMP HUNDREDS DIGIT OF ADDRESS	7		0489	A 670 656		12	670	656
211	496		W			1		0496	2		12		
212	497	GET	SW	0&X3	MOVE DATA AND WM TO PRINT AREA	4		0497	, 0?0		12	000+3	
213	501		MCW	0&X1,0&X3		7		0501	M 0|0 0?0		13	000+1	000+3
214	508		BW	DOWM,0&X1	SKIP CLEARING PRINT AREA WM	8		0508	V 520 0|0 1		13	520	000+1
215	516		CW	0&X3		4		0516	) 0?0		13	000+3	
216	520	DOWM	C	X1,TOPCOR	DONE?	7		0520	C 089 688		13	089	688
217	527		BU	CONT	NO	5		0527	B 568 /		13	568	
218	532		W			1		0532	2		13		
219	533		WM			2		0533	2)		13		
220	535	RX1	MCW	SX1&6,X1	RESTORE INDEX REGS	7		0535	M 422 089		14	422	089
221	542		MCW	SX3&6,X3		7		0542	M 415 099		14	415	099
222	549		CS	332		4		0549	/ 332		14	332	
223	553		CS			1		0553	/		14		
224	554		BSS	HALT,G		5		0554	B 563 G		14	563	
225	559		B	EXIT		4		0559	B 564		14	564	
226	563	HALT	H			1		0563	.		14		
227	564	EXIT	B	0-0		4		0564	B 000		15	000	
228	568	CONT	SBR	X1,1&X1		7		0568	H 089 0|1		15	089	001+1
229	575		BCE	BUMP3,X3-2,2		8		0575	B 632 097 2		15	632	097
230	583		SBR	X3,201		7		0583	H 099 201		15	099	201
231	590		W			1		0590	2		15		
232	591		WM			2		0591	2)		15		
233	593		A	KP1,W2A		7		0593	A 670 664		15	670	664
234	600		C	W2A,KP15		7		0600	C 664 672		16	664	672

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
235	607			BU	CLEARH	5		0607	B 433 /		16	433	
236	612			S	W2A	4		0612	S 664		16	664	
237	616			CCB	CLEARH, 1	5		0616	F 433 1		16	433	
238	621		SKIP	MCW	XQTD, 220	7		0621	M 680 220		16	680	220
239	628			W	RX1	4		0628	2 535		16	535	
240	632		BUMP3	A	KP1, X3	7		0632	A 670 099		16	670	099
241	639			B	GET	4		0639	B 497		17	497	
242	651		DOTS	DCW	@9.....@	9		0651			17		
243	653			DCW	@9-@	2		0653			17		
244	658		ADR5	DCW	00000 FIVE DIGIT ADDRESS	5		0658			17		
245	661		KZ3	DCW	000	3		0661			17		
246	662		KP2	DCW	&2	1		0662			17		
247	664		W2A	DCW	#2	2		0664			17		
248	665		K9	DCW	9	1		0665			18		
249	667		KM10	DCW	@I0@	2		0667			18		
250	669		W2B	DCW	#2	2		0669			18		
251	670		KP1	DCW	&1	1		0670			18		
252	672		KP15	DCW	&15	2		0672			18		
253	679			DCW	@EXECUTE@	7		0679			18		
254 *	680		XQTD	DCW	@}@ CHANGED TO D BY RELOADER PHASE 53R	1		0680		GMARK	18		
255				XFR	LOADNX JUST LOAD THE NEXT PHASE				B 700		19	700	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J003	0201: 0	)0K003	0225: 0	)0L003	0244: 0	)0M003	0261: 0	)0N003	0264: 0	)0P003	0265: 0
)0Q003	0271: 0	)0R003	0999: 0	)6J004	0110: 0	)6K004	0700: 0	)6L004	0704: 0	)6M004	0728: 0
)9J004	0251: 0	)9R004	0256: 0	ADR5	0658: 0	BEG52C	0934: 0	BUMP3	0632: 0	CDOVLY	0700: 0
CLEARH	0433: 0	CLR52	0201: 0	CLR52C	1696: 0	CONT	0568: 0	DOTS	0651: 0	DOWM	0520: 0
EXIT	0564: 0	GET	0497: 0	HALT	0563: 0	K9	0665: 0	KM10	0667: 0	KP1	0670: 0
KP15	0672: 0	KP2	0662: 0	KZ3	0661: 0	LOADNX	0700: 0	LOOP	0459: 0	MYSNAP	0333: 0
PHASID	0110: 0	PHASLD	0381: 0	PHS53S	0201: 0	RX1	0535: 0	SKIP	0621: 0	SNAPEX	0564: 0
SNAPSH	0333: 0	SX1	0416: 0	SX3	0409: 0	SXX	0402: 0	TOPCOR	0688: 0	TPERR	0728: 0
TPREAD	0704: 0	W2A	0664: 0	W2B	0669: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0
XQTD	0680: 0										

UNREFERENCED SYMBOLS

CDOVLY MYSNAP PHASLD SNAPEX TPERR TPREAD