

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101	77	28		JOB	1401 FORTRAN FIXED XLINK ROUTINE -- PHASE 61B								
102			*										
103			*	THIS IS GARY MOKOTOFFS V3M4 PHASE 61B									
104			*										
105				EXT61	STUFF IN PHASE 61 -- GEAUX PHASE ONE					MACRO			
106			BEGN61	EQU	838 INITIALIZE			0838		GEN			
107			SKIP61	EQU	925 Q: LOADING FROM AUTOCODER TAPE?			0925		GEN			
108			GM61B	EQU	680 WHERE XLINKF GMWM IS WANTED IN V3M4			0680		GEN			
109			AFTOVL	EQU	1100 IN CASE OF XLINKF LOADER, CLEAR ITS GMWM			1100		GEN			
110			*										
111			GOTXL	EQU	185 XLINKF WAS REFERENCED IF NO WM			0185					
112			XL2	EQU	094			0094					
113			*										
114			PHS61B	LDPH	, LOADAD, AFTOVL, GOTXL, SKIP61, 61B					MACRO			
			*	PHAZ	LDPH [PHASID], LOADAD, ENTAD[, SKIPFG, SKIP], [NUMBER] [, HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	THE BLOCK IF NO WM IN GOTXL, ELSE SKIP IT					GEN			
			*							GEN			
115			)6K002	EQU	700 LOAD NEXT PHASE			0700		GEN			
116			)6L002	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
117			)6M002	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
118				ORG	201				0201				
119			PHS61B	EQU	*&1			0201		GEN			
120				BW	)1J002, GOTXL Q: SKIP THE BLOCK?	8	0201	V 245 185 1	GEN	1	245	185	
121				BCE	)6K002,)6K002, 1 Q: LOADING FROM CARDS?	8	0209	B 700 700 1	GEN	1	700	700	
122				BCE	)6K002,)6L002&4, 0 Q: LOADING FROM AUTOCODER TAPE?	8	0217	B 700 708 0	GEN	1	700	708	
123				RTW	1, LOADAD READ THE BLOCK	8	0225	L %U1 257 R	GEN	1	%U1	257	
124				BER	)6M002 Q: TAPE ERROR?	5	0233	B 728 L	GEN	1	728		
125				CS	AFTOVL,)9R002 ENTER THE BLOCK	7	0238	/ /00 256	GEN	2	1100	256	
			*	SKIP	THE BLOCK					GEN			
126			)1J002	CS	SKIP61,)9R002	7	0245	/ 925 256	GEN	2	925	256	
127				DC	#1	1	0252		GEN	2			
128				DC	@61B@ PHASE NUMBER	3	0255		GEN	2			
129			)9R002	DCW	@}@	1	0256		GEN	2			
130				XFR	PHS61B				B 201		3	201	
131			*										
132			LOADAD	EQU	*&1			0257					
133	77	30		ORG	333				0333				
134	77	31		H	333	4	0333	. 333			4	333	
135	77	32	START	MCW	86, XL2 X2 FOLLOWS B700	7	0337	M 086 094			4	086	094
136	77	33		CS	80	4	0344	/ 080			4	080	
137	77	34		BCE	ARRAY, 0&X2, \$	8	0348	B 585 0!0 \$			4	585	000+2
138	77	35	CLEAR	CS	000	4	0356	/ 000			4	000	
139	77	36		SBR	ADR3	4	0360	H 359			4	359	
140	77	37		C	ADR3, @699@	7	0364	C 359 645			4	359	645
141	77	38		BU	CLEAR	5	0371	B 356 /			5	356	
142	77	39		SW	ACCHI-5&X3	4	0376	, 2G4			5	274+3	
143	77	40		MZ	ACCHI&X3, FIELD	7	0380	Y 2G9 642			5	279+3	642

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
144	77	41		C	FIELD,ACCHI&X3	7		0387	C 642 2G9		5	642	279+3
145	77	42		BE	CARDS	5		0394	B 603 S		5	603	
146	77	43		BM	GETM,ACCHI&X3	8		0399	V 620 2G9 K		5	620	279+3
147	77	44		MZ	ZERO,ACCHI&X3	7		0407	Y 637 2G9		6	637	279+3
148	77	45		C	699,ACCHI&X3	7		0414	C 699 2G9		6	699	279+3
149	77	46		BE	GETM	5		0421	B 620 S		6	620	
150	77	47		SW	22	4		0426	, 022		6	022	
151	77	48		MCW	GM,22	7		0430	M 680 022		6	680	022
152	77	49	SERCH	RT	1,1	8		0437	M %U1 001 R		6	%U1	001
153	77	50		BEF	OUT	5		0445	B 478 K		7	478	
154	77	51		C	10,@LIB@	7		0450	C 010 648		7	010	648
155	77	52		BU	SERCH	5		0457	B 437 /		7	437	
156	77	53		C	17,ACCHI&X3	7		0462	C 017 2G9		7	017	279+3
157	77	54		BE	T1	5		0469	B 498 S		7	498	
158	77	55		B	SERCH	4		0474	B 437		7	437	
159	77	56	OUT	NOF	CARDS	4		0478	N 603		7	603	
160	77	57		MCW	TPERM,OUT	7	V3M4	0482	M 581 478		8	581	478
161	77	58		RWD	1	5		0489	U %U1 R		8	%U1	
162	77	59		B	SERCH	4		0494	B 437		8	437	
163	77	60	T1	LCA	ZEROS,101	7		0498	L 641 101		8	641	101
164	77	61		LCA	ZEROS	4		0505	L 641		8	641	
165	77	62		LCA	ZEROS	4		0509	L 641		8	641	
166	77	63		RTW	1,333	8		0513	L %U1 333 R		8	%U1	333
167	77	64		BER	ERR	5		0521	B 557 L		9	557	
168	77	65		MCW	ZERO,CTRR	7		0526	M 637 641		9	637	641
169	77	66		SBR	TPERM-1,T2	7		0533	H 580 540		9	580	540
170	77	67	T2	RTW	1,700	8		0540	L %U1 700 R		9	%U1	700
171	77	68		BER	ERR	5		0548	B 557 L		9	557	
172	77	69	TBOOT	B	000	4		0553	B 000		9	000	
173	77	70	ERR	A	*-6,CTRR	7		0557	A 557 641		10	557	641
174	77	71		BCE	TPERM,CTRR,9	8		0564	B 581 641 9		10	581	641
175	77	72		BSP	1	5		0572	U %U1 B		10	%U1	
176	77	73		B	T1	4		0577	B 498		10	498	
177	77	74	TPERM	H	TPERM	4		0581	. 581		10	581	
178	77	75	ARRAY	MCW	3&X2,ADR3	7		0585	M 0!3 359		10	003+2	359
179	77	76		MZ	ZERO,ADR3-1	7		0592	Y 637 358		11	637	358
180	77	77		B	CLEAR	4		0599	B 356		11	356	
181	77	78	CARDS	SW	1	4		0603	, 001		11	001	
182	77	79		R		1		0607	1		11		
183	77	80		BCE	1,1,,	8		0608	B 001 001 ,		11	001	001
184	77	81		B	CARDS	4		0616	B 603		11	603	
185	77	82	GETM	RWD	1	5		0620	U %U1 R		11	%U1	
186	77	83		RTW	1,1	8		0625	L %U1 001 R		12	%U1	001
187	77	84		B	1 EXECUTE MONITOR PROGRAM	4		0633	B 001		12	001	
188	77	85	ADR3	EQU	CLEAR&3			0359					
189	77	86	FIELD	DCW	@000000@	6		0642			12		
190	77	87	ZEROS	EQU	FIELD-1			0641					
191	77	88	ZERO	EQU	ZEROS-4			0637					
192	77	89	CTRR	EQU	ZEROS			0641					
193	77	90	ACCHI	EQU	279			0279					

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
194	77	91		LTORG	*				0643				
				DCW	@699@	3		0645		LIT	12		
				DCW	@LIB@	3		0648		LIT	12		
195	77	92		ORG	GM61B				0680				
196	77	94	GM	DCW	@}@					GMARK	13		
197	77	95		XFR	AFTOVL				B /00		14	1100	

GROUP MARK IN 680

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)1J002	0245: 0	)6K002	0700: 0	)6L002	0704: 0	)6M002	0728: 0	)9R002	0256: 0	ACCHI	0279: 0
ADR3	0359: 0	AFTOVL	1100: 0	ARRAY	0585: 0	BEGN61	0838: 0	CARDS	0603: 0	CLEAR	0356: 0
CTRR	0641: 0	ERR	0557: 0	FIELD	0642: 0	GETM	0620: 0	GM	0680: 0	GM61B	0680: 0
GOTXL	0185: 0	LOADAD	0257: 0	OUT	0478: 0	PHS61B	0201: 0	SERCH	0437: 0	SKIP61	0925: 0
START	0337: 0	T1	0498: 0	T2	0540: 0	TBOOT	0553: 0	TPERM	0581: 0	XL2	0094: 0
ZERO	0637: 0	ZEROS	0641: 0								

UNREFERENCED SYMBOLS

BEGN61 START TBOOT