

SIGNAL NAME	FRAME GATE CH	TEST POINT	LOGIC	I CYCLE								B CYCLE								
				I RING OP	I RING 1	I RING 2	I RING 3	I RING 4	I RING 5	I RING 6	I RING 7	I RING 8	FIRST	LAST	I RING OP					
				3 6 9 0	3 6 5 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0	3 6 9 0					
J-REGISTER (MM) B4 (M)	-		35.21.11	[Pulse]																
+U MOVE OPERATION	01B1		35.25.11	[Pulse]																
B REGISTER (MM) C021 (L)	-		35.21.11	[Pulse]																
+U LOAD OPERATION	01B1		35.25.11	[Pulse]																
A REGISTER A04 (X)	-		70.11.21		[Pulse]															
+U UNIT SELECT LATCH, UNIT SELECT	02A2		70.11.21		[Pulse]															
-T TAPE *1 MODE	02A2		70.11.21		[Pulse]															
+U I/O OPS	01B2		31.09.21			[Pulse]														
+U A CYCLE ELIMINATION	01B2		31.06.11			[Pulse]														
A REGISTER RA 2 (B) (ODD REDUNDANCY)	-		70.61.31			[Pulse]														
-T REDUNDANCY LATCH	02A2		70.61.31			[Pulse]														
+U UNIT SELECT GATE	02A2		70.11.21			[Pulse]														
A REGISTER 1, 2, 3, 4, 5, OR 6	-		71.11.11 71.11.31			[Pulse]														
+U SELECT TAPE UNIT (TAPE UNIT LAT 1, 2, 3, 4, 5, OR 6)	02A1		71.11.11 71.11.31			[Pulse]														
+U B REGISTER WORD MARK	01B2		31.07.11																	
+U GATED WORD MARK	01B2		31.07.11																	
+U I CYCLE	01B2		31.26.11																	
-T I/E CHANGE	01B2		31.05.31																	
+U DELTA B-CYCLE	01B2		31.23.11																	
-T B CYCLE	01B2		31.26.11																	
A REGISTER B 01 (R)	-		70.11.21																	
+U READ CALL	02A2		70.11.21																	
+U CLOCK START CONTROL	02A1		71.31.21																	
-T TAPE CLOCK	02A1		71.31.21																	
+U CHECK CHARACTER	02A1		71.71.21																	
-T GROUP MARK	02A1		71.71.21																	
-T FORCED GROUP MARK	02A2		70.61.31																	
FORCE GROUP MARK INTO A REGISTER	02A2		70.61.21																	
-T FORCED I/E CHANGE	02A2		70.11.41																	
+U SET TO I RING OP	01B2		31.30.11																	
-T DELTA I CYCLE	01B2		31.21.11																	
+U DELTA PROCESS	01B2		31.02.11 31.31.11																	
+U UNIT RESET	02A2		70.11.21																	

(SET WHEN IN ODD REDUNDANCY)

NOTE I GATED BY RC 7 FROM TAU

NOTE II

NOTE I THERE IS NO 1401 TIMING RELATIONSHIP WITH THE TURN ON OF THIS LATCH.
 NOTE II BETWEEN I RING 8 AND THE START OF THE FIRST B CYCLE, SEVERAL MILLISECONDS ELAPSE DURING WHICH TIME THE 1401 CLOCK DOES NOT RUN.

DATE CHANGE NO DATE CHANGE NO
 31.7.62 TA 1370 K

INTERNATIONAL BUSINESS MACHINES CORP
 NAME FIG 38 TIMING FOR MOVE
 (LOAD) TAPE READ OPERATION
 DESIGN TYPE
 DETAIL SCALE NONE
 CHECK DRAW VE 1-2-1
 APPRO CHECK