

	1402 Motion	Basic Process Time During Card Cycle	Read/Punch Release Process Time	Overlap Process Time	Gain In
	MS	MS	MS	MS	MS
Normal Read <i>44 ms from previous card</i>	<i>total time</i> 75	10	<i>time from 2-1-2</i> 31 <i>read station</i>	63	32
Column Binary Read <i>44 ms from</i>	75	10	31	52	21
Normal Punch <i>199 ms from last card</i>	240	22.5	60.5	227	107
Column Binary Punch	240	22.5	60.5	215	155
Combination Read and Punch	240	22.5	43.5	216	172
Punch Feed Read	240	22.5	66	312	156

Chart I

		Time TAU is Busy MS	Time Till Tape Error MS	1401 is Normally Tied Up MS	With Overlap 1401 is Tied Up MS	Gain In MS
729 MTW Write	High Density	7.07/.018 (3/N)	Same as TAU	5.0/.018 (N)	.1/.018 (N/1)	4.9
	Low Density	7.07/.044 (3/N)	" " "	5.0/.044 (N)	.0115 (N/1)	5.0/.032 (N/1)
729 MII Write	High Density	11.5/.024 (3/N)	" " "	7.5/.024 (N)	.15/.024 (N/1)	7.35
	Low Density	11.5/.067 (3/N)	" " "	7.5/.067 (N)	.0115 (N/1)	7.5/.055 (N/1)
7330 Write	High Density	21.0/.050 (7/N)	13.5/.050 (7/N)	5.0/.050 (N)	.0115 (N/1)	5.0/.038 (N/1)
	Low Density	21.0/.139 (7/N)	13.5/.139 (7/N)	5.0/.139 (N)	.0115 (N/1)	5.0/.127 (N/1)
729 MTW Read	High Density	7.0/.018 (3/N)	Same as TAU	7.0/.018 (N)	2.8/.018 (N)	4.4
	Low Density	7.0/.044 (N)	" " "	7.0/.044 (N)	.0115 (N/1)	7.0/.032 (N/1)
729 MII Read	High Density	10.5/.024 (3/N)	" " "	10.5/.024 (N)	5.9/.024 (N)	6.6
	Low Density	10.5/.067 (3/N)	" " "	10.5/.067 (N)	.0115 (N/1)	10.5/.055 (N/1)
7330 Read	High Density	20.8/.050 (10/N)	7.5/.050 (10/N)	7.5/.050 (7/N)	.0115 (N/1)	7.5/.038 (N/1)
	Low Density	20.8/.139 (10/N)	7.5/.139 (10/N)	7.5/.139 (7/N)	.0115 (N/1)	7.5/.127 (N/1)

Chart II

N = Number of Characters in a Record