

Clock (Hz):	4,000,000
InstRate (secs):	0.000001
(Fosc/A)	

Preload Values	Test Case (Origiani Algorithm)						Test Case (New Algorithm)						Test Case (Final Algorithm)						
	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
Years:	0	0	1	5	10	44	0	0	1	5	10	44	0	0	1	5	10	44	
Days:	1	0	364	364	364	323	1	0	364	364	364	323	1	0	364	364	364	323	
Hours:	0	23	23	23	23	23	0	23	23	23	23	23	0	23	23	23	23	23	
Minutes:	0	59	59	59	59	59	0	59	59	59	59	59	0	59	59	59	59	59	
Seconds:	0	59	59	59	59	59	0	59	59	59	59	59	0	59	59	59	59	59	
AB:	0001	0001	03C2	0B47	14AD	545F	0001	0001	03C2	0B47	14AD	545F	0001	0001	03C2	0B47	14AD	545F	
CD:	5180	517F	66FF	34FF	367F	FFFF	5180	517F	66FF	34FF	367F	FFFF	5180	517F	66FF	34FF	367F	FFFF	
Total Secs:	86,400	86,399	63,071,999	189,215,999	346,895,999	1,415,577,599	86,400	86,399	63,071,999	189,215,999	346,895,999	1,415,577,599	86,400	86,399	63,071,999	189,215,999	346,895,999	1,415,577,599	
	Execution						Execution						Execution						
	Instruction Cycles						Instruction Cycles						Instruction Cycles						
1	Load (AB:CD):	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	
1	Gosub HMS:	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1	owDays:	980	831	76,540	227,721	416,761	1,698,104	1,058	831	2,494	3,981	4,019	9,057	1,093	1,089	1,046	1,058	1,030	990
1	owHH:	450	2,705	2,705	2,705	2,705	2,705	450	2,705	2,705	2,705	2,705	2,705	698	693	693	693	693	693
1	owMM:	393	363	363	363	363	363	363	363	363	363	363	363	393	363	363	363	363	363
1	owSS:	394	364	364	364	364	364	364	364	364	364	364	364	394	364	364	364	364	364
1	Return from HMS:	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
TOTALS:	Inst (cycles):	2,229	4,275	79,984	231,165	420,205	1,701,548	2,248	4,276	5,939	7,426	7,464	12,502	2,591	2,522	2,479	2,491	2,463	2,423
	Time (secs):	0.002229	0.004275	0.079984	0.231165	0.420205	1.701548	0.002248	0.004276	0.005939	0.007426	0.007464	0.012502	0.002591	0.002522	0.002479	0.002491	0.002463	0.002423
	Time (ms):	2.229	4.275	79.984	231.165	420.205	1701.548	2.248	4.276	5.939	7.426	7.464	12.502	2.591	2.522	2.479	2.491	2.463	2.423
	Execution Time Savings (ms):							-0.019	-0.001	74.045	223.739	412.741	1689.046	-0.362	1.753	77.505	228.674	417.742	1699.125