Lock Type	Min Backoff	Max Backoff	Number of Threads	Avr Time to Lock	Avr Time to Unlock
Backoff lock	1	10	2	0.0028465246	0.001021225
Backoff lock	1	15	2	0.0029961244	0.0010230895
Backoff lock	1	20	2	0.0030138263	0.0010379226
Backoff lock	1	25	2	0.0027246397	9.65E-004
Backoff lock	1	30	2	0.0025951265	9.48E-004
Backoff lock	1	35	2	0.0026775294	9.75E-004
Backoff lock	1	40	2	0.0027593328	9.80E-004
Backoff lock	1	45	2	0.0026846308	0.0010033484
Backoff lock	1	50	2	0.0026136371	9.99E-004
Backoff lock	1	55	2	0.0027435954	0.0010285217
Backoff lock	1	60	2	0.0028253693	0.0010454431
Backoff lock	1	65	2	0.0028195599	0.0010016773
Backoff lock	1	70	2	0.0026290988	9.56E-004
Backoff lock	1	75	2	0.0026948252	9.60E-004
Backoff lock	1	80	2	0.0028159369	0.0010159304
Backoff lock	1	85	2	0.0027180563	9.99E-004
Backoff lock	1	90	2	0.0025916089	9.55E-004
Backoff lock	1	95	2	0.00268097	9.66E-004
Backoff lock	1	100	2	0.0026839198	9.76E-004
Backoff lock	1	100	2	0.0027130775	0.0010057969
Backoff lock	6	100	2	0.0039799887	8.39E-004
Backoff lock	11	100	2	0.0041182938	8.22E-004
Backoff lock	16	100	2	0.0038195272	8.26E-004
Backoff lock	21	100	2	0.004244557	8.27E-004
Backoff lock	26	100	2	0.0044977958	8.29E-004
Backoff lock	31	100	2	0.0039431766	8.23E-004
Backoff lock	36	100	2	0.0036040992	8.19E-004
Backoff lock	41	100	2	0.003525003	8.20E-004
Backoff lock	46	100	2	0.0047489946	8.63E-004
Backoff lock	51	100	2	0.0042031729	8.17E-004
Backoff lock	56	100	2	0.0048167796	8.22E-004
Backoff lock	61	100	2	0.0043548456	8.26E-004
Backoff lock	66	100	2	0.0039525819	8.27E-004
Backoff lock	71	100	2	0.0043831084	8.20E-004
Backoff lock	76	100	2	0.0044336215	8.17E-004
Backoff lock	81	100	2	0.0045850886	8.24E-004
Backoff lock	86	100	2	0.0045588887	8.15E-004
Backoff lock	91	100	2	0.0045179249	8.19E-004
Backoff lock	96	100	2	0.0042232748	8.20E-004
Backoff lock	1	10	4	0.0054267509	9.63E-004
Backoff lock	1	15	4	0.0054500677	9.13E-004
Backoff lock	1	20	4	0.0057897859	9.16E-004
Backoff lock	1	25	4	0.0062301392	9.51E-004
Backoff lock	1	30	4	0.0067022029	9.90E-004
Backoff lock	1	35	4	0.0054761499	9.22E-004
Backoff lock	1	40	4	0.0064650352	9.61E-004
Backoff lock	1	45	4	0.0052476336	8.94E-004
Backoff lock	1	50	4	0.0056376299	9.59E-004
Backoff lock	1	55	4	0.0055251461	9.08E-004

Backoff lock	1	60	4	0.0051464625	8.97E-004
Backoff lock	1	65	4	0.0056627411	9.34E-004
Backoff lock	1	70	4	0.0052619587	9.59E-004
Backoff lock	1	75	4	0.0068284716	1.04E-003
Backoff lock	1	80	4	0.0057114705	1.04E-003
Backoff lock	1	85	4	0.0049279388	9.68E-004
Backoff lock	1	90	4	0.0054024933	9.97E-004
Backoff lock	1	95	4	0.005252485	9.56E-004
Backoff lock	1	100	4	0.0053051537	9.42E-004
Backoff lock	1	100	4	0.006073931	9.99E-004
Backoff lock	6	100	4	0.0085441395	8.69E-004
Backoff lock	11	100	4	0.0100607296	8.33E-004
Backoff lock	16	100	4	0.0097712562	8.34E-004
Backoff lock	21	100	4	0.0094547815	8.36E-004
Backoff lock	26	100	4	0.0094901358	8.27E-004
Backoff lock	31	100	4	0.0088822014	8.26E-004
Backoff lock	36	100	4	0.0080833477	8.32E-004
Backoff lock	41	100	4	0.0081059013	8.20E-004
Backoff lock	46	100	4	0.0099680224	8.42E-004
Backoff lock	51	100	4	0.0088561753	8.46E-004
Backoff lock	56	100	4	0.0086844659	8.33E-004
Backoff lock	61	100	4	0.0097848545	8.28E-004
Backoff lock	66	100	4	0.0102622451	8.28E-004
Backoff lock	71	100	4	0.0094412188	8.21E-004
Backoff lock	76	100	4	0.0087118467	8.51E-004
Backoff lock	81	100	4	0.008695833	8.21E-004
Backoff lock	86	100	4	0.0102022151	8.29E-004
Backoff lock	91	100	4	0.009947493	8.24E-004
Backoff lock	96	100	4	0.0100544441	8.32E-004
Backoff lock	1	10	8	0.0146069726	9.03E-004
Backoff lock	1	15	8	0.0137472938	9.35E-004
Backoff lock	1	20	8	0.0124346451	9.64E-004
Backoff lock	1	25	8	0.0128575382	9.36E-004
Backoff lock	1	30	8	0.0115241994	9.24E-004
Backoff lock	1	35	8	0.0124152158	9.60E-004
Backoff lock	1	40	8	0.012054787	9.26E-004
Backoff lock	1	45	8	0.012156533	9.38E-004
Backoff lock	1	50	8	0.0118420995	9.23E-004
Backoff lock	1	55	8	0.0116559793	9.65E-004
Backoff lock	1	60	8	0.0119086282	9.05E-004
Backoff lock	1	65	8	0.0116080882	9.56E-004
Backoff lock	1	70	8	0.0116121567	9.15E-004
Backoff lock	1	75	8	0.0107062169	9.58E-004
Backoff lock	1	80	8	0.0109280721	8.99E-004
Backoff lock	1	85	8	0.0119204747	9.52E-004
Backoff lock	1	90	8	0.0112591473	9.04E-004
Backoff lock	1	95	8	0.0108303769	9.30E-004
Backoff lock	1	100	8	0.0115754996	8.97E-004
Backoff lock	1	100	8	0.0119757421	9.25E-004
Backoff lock	6	100	8	0.0175793937	8.63E-004

Backoff lock	11	100	8	0.0198157114	8.54E-004
Backoff lock	16	100	8	0.0204618016	8.42E-004
Backoff lock	21	100	8	0.0185079025	8.39E-004
Backoff lock	26	100	8	0.0196565606	8.40E-004
Backoff lock	31	100	8	0.0196450144	8.46E-004
Backoff lock	36	100	8	0.0200817116	8.37E-004
Backoff lock	41	100	8	0.0207843469	8.37E-004
Backoff lock	46	100	8	0.0198825556	8.32E-004
Backoff lock	51	100	8	0.021184035	8.37E-004
Backoff lock	56	100	8	0.0209101826	8.33E-004
Backoff lock	61	100	8	0.0190151779	8.27E-004
Backoff lock	66	100	8	0.0207236927	8.30E-004
Backoff lock	71	100	8	0.0201670992	8.38E-004
Backoff lock	76	100	8	0.0216777003	8.33E-004
Backoff lock	81	100	8	0.0198893272	8.29E-004
Backoff lock	86	100	8	0.0197469931	8.27E-004
Backoff lock	91	100	8	0.0207147343	8.29E-004
Backoff lock	96	100	8	0.0209932148	8.53E-004
Backoff lock	1	10	16	0.0345758901	1.01E-003
Backoff lock	1	15	16	0.0315362072	9.68E-004
Backoff lock	1	20	16	0.0303620052	9.62E-004
Backoff lock	1	25	16	0.0271807298	9.45E-004
Backoff lock	1	30	16	0.0308970885	9.41E-004
Backoff lock	1	35	16	0.0276790254	9.28E-004
Backoff lock	1	40	16	0.0274337384	9.45E-004
Backoff lock	1	45	16	0.0238944352	9.36E-004
Backoff lock	1	50	16	0.0267830989	9.16E-004
Backoff lock	1	55	16	0.0275169424	9.07E-004
Backoff lock	1	60	16	0.0264897715	9.44E-004
Backoff lock	1	65	16	0.0259272532	9.31E-004
Backoff lock	1	70	16	0.0255374479	9.04E-004
Backoff lock	1	75	16	0.0264970661	9.42E-004
Backoff lock	1	80	16	0.026562816	9.31E-004
Backoff lock	1	85	16	0.0248495825	8.99E-004
Backoff lock	1	90	16	0.0277745059	9.38E-004
Backoff lock	1	95	16	0.0263570104	9.39E-004
Backoff lock	1	100	16	0.0251086854	9.09E-004
Backoff lock	1	100	16	0.0233253337	9.25E-004
Backoff lock	6	100	16	0.0371228319	8.94E-004
Backoff lock	11	100	16	0.0397990992	8.55E-004
Backoff lock	16	100	16	0.0406988887	8.54E-004
Backoff lock	21	100	16	0.0410501121	8.66E-004
Backoff lock	26	100	16	0.0397620541	8.48E-004
Backoff lock	31	100	16	0.0384370558	8.43E-004
Backoff lock	36	100	16	0.0399711691	8.45E-004
Backoff lock	41	100	16	0.0418052638	8.42E-004
Backoff lock	46	100	16	0.0415293335	8.42E-004
Backoff lock	51	100	16	0.0401657698	8.41E-004
Backoff lock	56	100	16	0.0413320146	8.39E-004
Backoff lock	61	100	16	0.040704553	8.42E-004

Backoff lock	66	100	16	0.0427317316	8.37E-004
Backoff lock	71	100	16	0.0408874776	8.35E-004
Backoff lock	76	100	16	0.0400745497	8.38E-004
Backoff lock	81	100	16	0.0398555986	8.37E-004
Backoff lock	86	100	16	0.0408299069	8.42E-004
Backoff lock	91	100	16	0.0403418834	8.47E-004
Backoff lock	96	100	16	0.0405818913	8.27E-004

Average Time to Lock

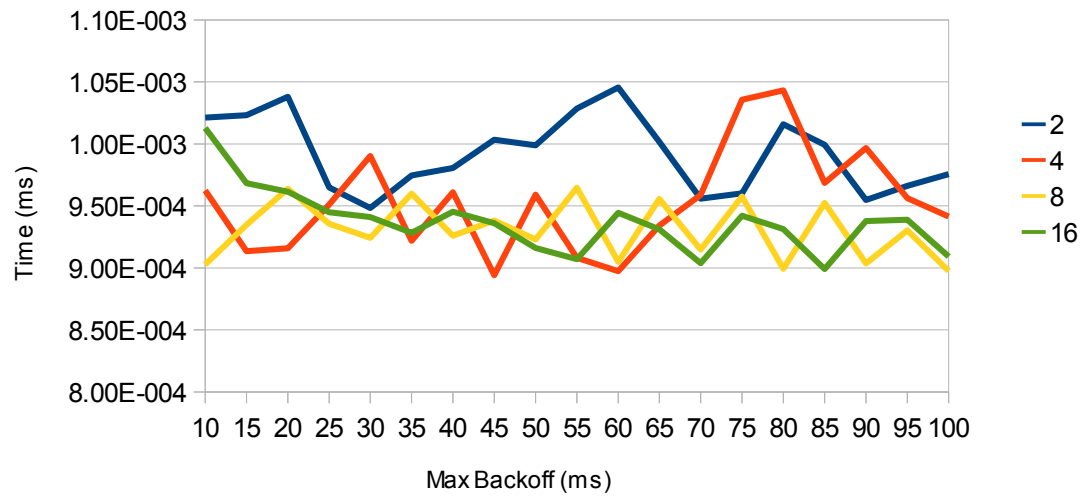## Adjusting Max Backoff; Fixed Min Backoff = 1
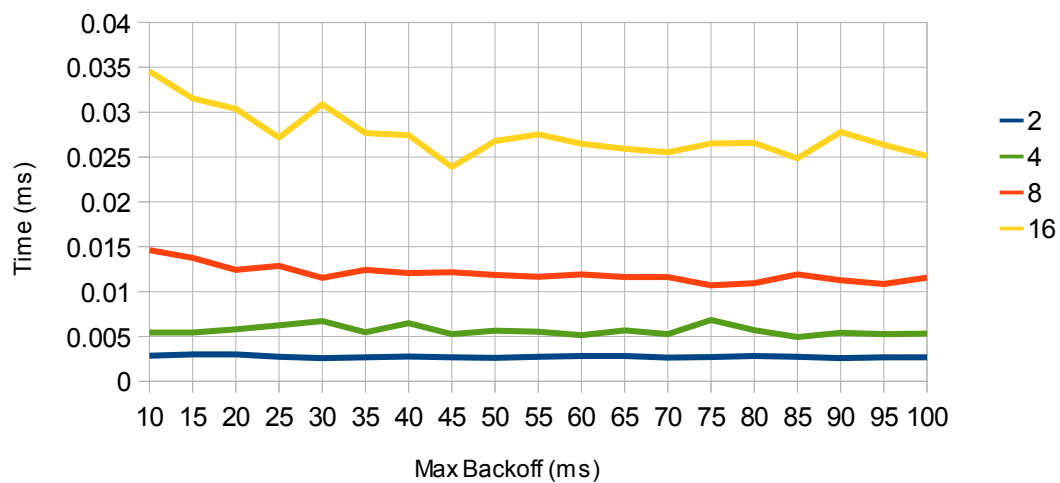
Average Time to Lock

Adjusting Min Backoff; Fixed Max Backoff = 100
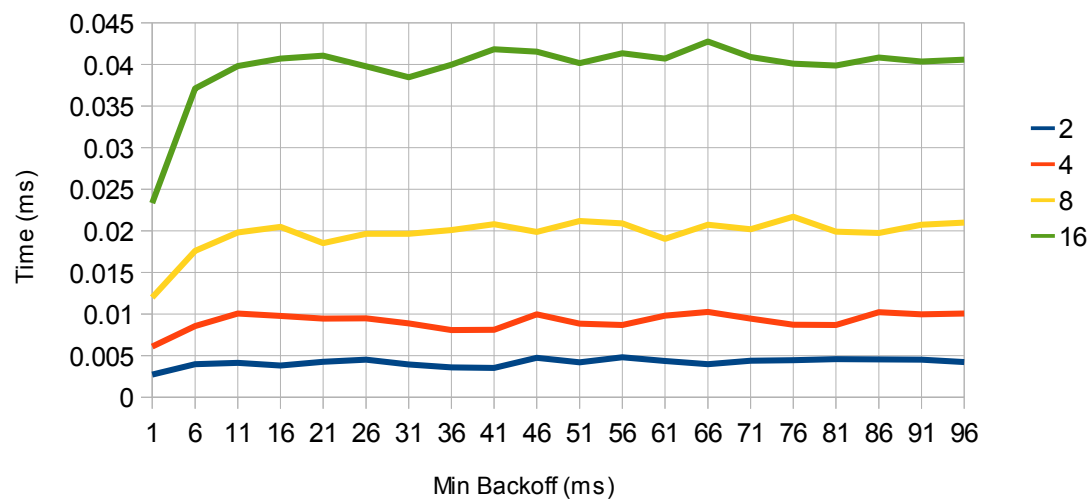
Average Time to Unlock

Adjusting Max Backoff; Fixed Min Backoff = 1

Average Time to Unlock

Adjusting Min Backoff; Fixed Max = 100