Summary

		Sequential	ForeC	OpenMP
FlyByWire	(L)	20.19	2.16	**3.29**
	(S)	11.97	1.48	**3.11**
FmRadio	(L)	12.28	1.88	**2.16**
	(S)	6.06	**1.90**	1.84
Life	(L)	23.95	2.53	**3.69**
	(S)	12.14	2.16	**3.68**
Lzss	(L)	26.84	3.11	**3.53**
	(S)	19.42	3.43	**3.55**
Mandelbrot	(L)	57.66	3.85	**3.93**
	(S)	26.97	3.88	**3.99**
MatrixMultiply	(L)	15.25	**3.22**	3.05
	(S)	10.72	**3.73**	3.43
Pi	(L)	24.32	**4.18**	4.04
	(S)	8.23	3.93	**3.95**

4 * Intel Core i7-1060NG7 at 1.2 GHz, 16 GB RAM
Turbo Boost disabled
Hyper-Threading disabled
Speed Shift disabled
Speed Step disabled

Windows 10, Clang 10.0.0, OpenMP 4.5
Compiled with zero optimisations

Benchmark	Sequential	OpenMP	ForeC		OpenMP (static)
FlyByWire	20.19	6.14	9.36		
	20.18	6.14	9.37		
	20.19	6.14	9.36		
Average	20.19	6.14	9.36		
Speedup	1.00	**3.29**	2.16		
FmRadio	12.26	5.69	6.51		
divideAndConquer	12.28	5.67	6.52		
	12.31	5.71	6.52		
Average	12.28	5.69	6.52		
Speedup	1.00	**2.16**	1.88		
Life	23.82	6.49	9.41		
	24.07	6.46	9.45		
	23.96	6.54	9.51		
Average	23.95	6.49	9.45		
Speedup	1.00	**3.69**	2.53		
Lzss	26.86	7.64	8.62		
	26.83	7.52	8.67		
	26.83	7.62	8.58		
Average	26.84	7.59	8.63		
Speedup	1.00	**3.53**	3.11		**OpenMP (static)**
Mandelbrot	57.71	14.64	14.99		28.48
	57.64	14.72	15.02		28.38
	57.64	14.69	14.91		28.42
Average	57.66	14.68	14.97		28.43
Speedup	1.00	**3.93**	3.85		2.03
MatrixMultiply	15.26	5.04	4.67		
	15.27	5.01	4.76		
	15.21	4.95	4.78		
Average	15.25	5.00	4.73		
Speedup	1.00	3.05	**3.22**		
Pi	24.35	5.99	5.80		
	24.33	6.04	5.79		
	24.27	6.02	5.86		
Average	24.32	6.02	5.81		
Speedup	1.00	4.04	**4.18**		

36 * Intel Xeon Gold 6240 CPU at 2.60GHz, 256 GB RAM
Turbo Boost disabled
Hyper-Threading disabled
Speed Shift disabled
Speed Step disabled

Ubuntu 20.04, Clang 10.0.0, OpenMP 4.5
Compiled with zero optimisations

Benchmark	Sequential	OpenMP	ForeC
FlyByWire	11.96	3.85	8.10
	11.97	3.85	8.10
	11.97	3.86	8.10
Average	11.97	3.85	8.10
Speedup	1.00	**3.11**	1.48
FmRadio	6.06	3.29	3.19
divideAndConquer	6.06	3.29	3.18
	6.06	3.29	3.20
Average	6.06	3.29	3.19
Speedup	1.00	1.84	**1.90**
Life	12.14	3.32	5.56
	12.14	3.31	5.66
	12.13	3.28	5.66
Average	12.14	3.30	5.63
Speedup	1.00	**3.68**	2.16
Lzss	19.42	5.47	5.67
	19.42	5.47	5.67
	19.42	5.47	5.66
Average	19.42	5.47	5.67
Speedup	1.00	**3.55**	3.43
Mandelbrot	26.97	6.75	6.94
	26.97	6.75	6.95
	26.97	6.75	6.95
Average	26.97	6.75	6.95
Speedup	1.00	**3.99**	3.88
MatrixMultiply	10.73	3.13	2.88
	10.72	3.13	2.88
	10.71	3.12	2.86
Average	10.72	3.13	2.87
Speedup	1.00	3.43	**3.73**
Pi	8.23	2.09	2.10
	8.23	2.08	2.09
	8.23	2.08	2.09
Average	8.23	2.08	2.09
Speedup	1.00	**3.95**	3.93

OpenMP (dynamic)
52.34
52.70
52.13
52.39
0.37

OpenMP (static)
13.25
13.26
13.25
13.25
2.04