

Run:	SPECK Encoding Time in Millisecond, GCC-9.3				SPECK Encoding Time in Millisecond, PGI-2019.10				SPECK Encoding Time in Millisecond, Clang-10			
	256 cubed, bpp = 4		500 cubed, bpp = 2		256 cubed, bpp = 4		500 cubed, bpp = 2		256 cubed, bpp = 4		500 cubed, bpp = 2	
	Raw Pointer	Unique Pointer	Raw Pointer	Unique Pointer	Raw Pointer	Unique Pointer	Raw Pointer	Unique Pointer	Raw Pointer	Unique Pointer	Raw Pointer	Unique Pointer
1	2911.51	2879.42	13623.9	13504.9	3044.41	3255.55	13976.4	15013.4	3006.2	3057.83	13475.7	13782.6
2	2916.17	2965.98	13503.2	13603.6	3037.73	3220.68	13656.4	14805.7	2983.08	2998.96	13536	13354.3
3	2952.36	2996.51	13502.6	13577.4	3155.28	3245.84	13726	14810.9	2986.78	2973.85	13253	13322.7
4	2934.56	2926.17	13723.8	13510.1	3055.28	3295.38	13706	14886.7	2997.84	3005.18	13877.3	13327.6
5	2903.91	2909.51	13452.3	13672.3	3024.35	3285.2	13603.8	14794.2	3028.35	2971.81	13867.5	13289.3
6	2922.8	2898.39	14171.5	13583.5	3101.71	3307.37	13621.5	14862.3	2971.05	2977.73	13262	13353.4
7	2905.18	2928.18	13595	13270.3	3042.63	3245.35	13712.9	14822.9	2988.98	2983.58	13408.6	13274.8
8	2907	2927.4	13670.8	13282.4	3065.79	3248.73	13703.9	14831.7	3005.98	2972.94	13650.9	13330
9	2956.32	2925.84	14139.6	13244.6	3042.69	3286.88	13673.3	14803.3	3010.9	3003.69	13498.4	13269.3
10	2943.53	2914.27	13677.9	13317.5	3089.09	3196.37	13638.6	14805.8	3097.64	2979.25	13752.3	13324.9
Average:	2925.334	2927.167	13706.06	13456.66	3065.896	3258.735	13701.88	14843.69	3007.68	2992.482	13558.17	13296.7
Conclusion: the performance difference between a raw pointer and a unique pointer is negligible for the two open source compilers, even in an HPC environment. std::unique_ptr<> stands up to its claim.												