

Raw runtimes for work item size divider and input image size

	64	256	1024	2048	4096
/ 1	53.88	135.07	1333.27	5172.30	-
/ 2	52.23	101.86	826.42	3168.42	-
/ 4	53.82	86.91	575.11	2164.91	8493.89
/ 8	53.20	74.95	449.62	1661.64	6478.48
/ 16	56.31	70.97	386.25	1404.09	5464.11
/ 32	54.03	75.06	387.83	1403.10	5466.06
/ 64	59.44	72.13	337.24	1210.24	4708.72
/ 128	67.10	67.61	328.32	1175.20	4565.64
/ 256	-	86.39	325.13	1157.45	4490.96
/ 512	-	112.84	324.68	1153.66	4459.06
/ 1024	-	177.79	318.16	1147.91	4437.27
/ 2048	-	296.25	318.34	1127.95	4422.75
CPU	6.46785	102.53	1645.84	6573.53	26191.20

Real work item size

	64	256	1024	2048	4096
1	4096	65536	1048576	4194304	16777216
2	2048	32768	524288	2097152	8388608
4	1024	16384	262144	1048576	4194304
8	512	8192	131072	524288	2097152
16	256	4096	65536	262144	1048576
32	128	2048	32768	131072	524288
64	64	1024	16384	65536	262144
128	32	512	8192	32768	131072
256	16	256	4096	16384	65536
512	8	128	2048	8192	32768
1024	4	64	1024	4096	16384
2048	2	32	512	2048	8192

Input size / run time = efficiency

	64	256	1024	2048	4096
/ 1	76.01966	485.2075	786.4694	810.9166	#VALUE!
/ 2	78.42086	643.4055	1268.814	1323.784	#VALUE!
/ 4	76.1078	754.0631	1823.265	1937.403	1975.21
/ 8	76.99885	874.4266	2332.128	2524.195	2589.684
/ 16	72.74548	923.4285	2714.795	2987.205	3070.439
/ 32	75.8131	873.1114	2703.728	2989.312	3069.344
/ 64	68.91527	908.6271	3109.25	3465.68	3563.01
/ 128	61.04085	969.3011	3193.811	3569.013	3674.669
/ 256	#VALUE!	758.5852	3225.098	3623.745	3735.775
/ 512	#VALUE!	580.7767	3229.558	3635.65	3762.501
/ 1024	#VALUE!	368.6167	3295.751	3653.861	3780.977
/ 2048	#VALUE!	221.2156	3293.887	3718.519	3793.39
CPU	633.2862	639.1948	637.1069	638.0596	640.5669