

Each kernel was run 1000 times. The average runtime was found from NVVP.

2D Block	Step 3		Step 4		Step 5	
	2D Grid Size	Execution Time ms	1D Grid size 1 datum per thread	Execution time ms	Grid Size 16 data per thread	Execution time ms
$32 \times 32$	$128 \times 128$	2.90074	16384	2.7162	1024	2.7919
$32 \times 16$	$128 \times 256$	2.72323	32768	2.70327	2048	2.7999
$16 \times 32$	$256 \times 128$	2.78609	32768	2.70757	2048	2.80921
$16 \times 16$	$256 \times 256$	2.75102	65536	2.72549	4096	2.80999
$64 \times 16$	$64 \times 256$	2.89524	16384	2.71913	1024	2.80161
$16 \times 64$	$256 \times 64$	2.92079	16384	2.71883	1024	2.83459
$64 \times 8$	$64 \times 512$	2.71029	32768	2.74134	2048	2.82161

Table 1: Average execution times of Kernel