SMALL Dataset								
Program	Sequential	Parallel	Parameters					
2mm	0.000319	0.428825	NI = 40	NJ = 50	NK = 70	NL = 80		
3mm	0.000624	0.590416	NI = 40	NJ = 50	NK = 60	NL = 70	NM = 80	
atax	0.000036	0.1156	M = 116	N = 124				
bicg	0.000046	0.11388	M = 116	N = 124				
cholesky	0.000829	0.15242	N = 120					
correlation	0.000533	0.691199	M = 80	N = 100				
covariance	0.00051	0.318336	M = 80	N = 100				
doitgen	0.000481	1.102822	NQ = 20	NR = 25	NP = 30			
gemm	0.000397	0.267821	NI = 60	NJ = 70	NK = 80			
gemver	0.000052	0.114231	N = 120					
gesummv	0.000028	0.106382	N = 90					
gramschmidt	0.000422	0.323032	M = 60	N = 80				
jacobi-1d	0.000003	0.105409	TSTEPS = 40	N = 120				
jacobi-2d	0.000339	0.142397	TSTEPS = 40	N = 90				
lu	0.00033	0.189146	N = 120					
ludcmp	0.000591	0.189839	N = 120					
mvt	0.000043	0.115119	N = 120					
seidel-2d	0.006712	0.154455	TSTEPS = 40	N = 120				
symm	0.000269	0.412774	M = 60	N = 80				
syr2k	0.00072	0.250159	M = 60	N = 80				
syrk	0.000328	0.250381	M = 60	N = 80				
trisolv	0.000017	0.10596	N = 120					
trmm	0.000258	0.209988	M = 60	N = 80				

MEDIUM Dataset								
Program	Sequential	Parallel	Parameters					
2mm	0.019434	1.322392	NI = 180	NJ = 190	NK = 210	NL = 220		
3mm	0.029979	1.098069	NI = 180	NJ = 190	NK = 200	NL = 210	NM = 220	
atax	0.000359	0.16224	M = 390	N = 410				
bicg	0.000512	0.217456	M = 390	N = 410				
cholesky	0.012335	0.53639	N = 400					
correlation	0.011271	0.880499	M = 240	N = 260				
covariance	0.011984	1.431597	M = 240	N = 260				
doitgen	0.008724	3.136472	NQ = 40	NR = 50	NP = 60			
gemm	0.01387	0.966893	NI = 200	NJ = 220	NK = 240			
gemver	0.000646	0.178019	N = 400					
gesummv	0.00021	0.126965	N = 250					
gramschmidt	0.015893	1.41012	M = 200	N = 240				
jacobi-1d	0.000025	0.125062	TSTEPS = 100	N = 400				
jacobi-2d	0.006749	0.48037	TSTEPS = 100	N = 250				
lu	0.008628	0.757012	N = 400					
ludcmp	0.026062	0.690322	N = 400					
mvt	0.00051	0.14986	N = 400					
seidel-2d	0.199116	0.398496	TSTEPS = 100	N = 400				
symm	0.009547	0.93159	M = 200	N = 240				
syr2k	0.025304	1.125415	M = 200	N = 240				
syrk	0.012315	1.210085	M = 200	N = 240				
trisolv	0.000158	0.120035	N = 400					
trmm	0.008503	1.111234	M = 200	N = 240				

LARGE Dataset							
Program	Sequential	Parallel					
2mm	2.581861	0.371775	NI = 800	NJ = 900	NK = 1100	NL = 1200	
3mm	4.593655	0.434901	NI = 800	NJ = 900	NK = 1000	NL = 1100	NM = 1200
atax	0.002164	0.147306	M = 900	N = 1100			
bicg	0.003092	0.218826	M = 900	N = 1100			
cholesky	1.799521	0.386724	N = 2000				
correlation	11.580314	0.242561	M = 1200	N = 1400			
covariance	11.589699	0.209463	M = 1200	N = 1400			
doitgen	0.729109	1.317733	NQ = 140	NR = 150	NP = 160		
gemm	2.417146	0.460959	NI = 1000	NJ = 1100	NK = 1200		
gemver	0.037495	0.187459	N = 2000				
gesummv	0.005292	0.130722	N = 1300				
gramschmidt	21.021325	0.232458	M = 1000	N = 1200			
jacobi-1d	0.0006	0.13131	TSTEPS = 500	N = 2000			
jacobi-2d	1.678255	5.209051	TSTEPS = 500	N = 1300			
lu	1.614093	0.491364	N = 2000				
ludcmp	12.200501	0.413315	N = 2000				
mvt	0.033619	0.192084	N = 2000				
seidel-2d	25.470608	23.048842	TSTEPS = 500	N = 2000			
symm	2.144357	0.471	M = 1000	N = 1200			
syr2k	3.25132	0.382184	M = 1000	N = 1200			
syrk	1.607771	0.388873	M = 1000	N = 1200			
trisolv	0.003111	0.126305	N = 2000				
trmm	1.184688	1.832805	M = 1000	N = 1200			

EXTRALARGE Dataset								
Program	Sequential	Parallel	Parameters					
2mm	92.834127	0.215436	NI = 1600	NJ = 1800	NK = 2200	NL = 2400		
	158.287979	0.213430	NI = 1600	NJ = 1800	NK = 2000	NL = 2400 NL = 2200	NM = 2400	
3mm					NK - 2000	INL - 2200	NW - 2400	
atax	0.797645	0.293708	M = 19000	N = 21000				
bicg	1.631092	0.287718	M = 19000	N = 21000				
cholesky	15.254209	0.67609	N = 4000					
correlation	172.087207	0.174987	M = 2600	N = 3000				
covariance	172.329676	0.178816	M = 2600	N = 3000				
doitgen	9.487453	1.039804	NQ = 220	NR = 250	NP = 270			
gemm	96.686542	0.184494	NI = 2000	NJ = 2300	NK = 2600			
gemver	6.42907	0.286512	N = 15000					
gesummv	0.921333	4.274584	N = 15000					
gramschmidt	234.572022	0.215817	M = 2000	N = 2600				
jacobi-1d	11.371953	9.668039	TSTEPS = 25000	N = 200000				
jacobi-2d	20.60198	357.251898	TSTEPS = 1000	N = 2800				
lu	16.567865	0.473806	N = 4000					
ludcmp	147.89358	0.587788	N = 4000					
mvt	16.208446	0.292214	N = 20000					
seidel-2d	204.555009	786.776971	TSTEPS = 1000	N = 4000				
symm	73.912956	0.271864	M = 2000	N = 2600				
syr2k	28.680012	0.307826	M = 2000	N = 2600				
syrk	15.039475	0.299421	M = 2000	N = 2600				
trisolv	0.380012	1.974536	N = 20000					
trmm	13.287393	0.262976	M = 2000	N = 2600				

GPU vs CPU Runtimes (Log Scale)

