

## BLAS Benchmarking for C6678

### BLAS configurations:

Storage: column major  
Upper/low: low

Transpose: none  
Side: left

Conjugate: none  
Diagonal: non-unit

gflops					
	BLAS_sgemm_nn_ccc	BLAS_dgemm_nn_ccc	BLAS_cgemm_nn_ccc	BLAS_zgemm_nn_ccc	
500	45.423	17.974	73.389	12.242	
1000	80.285	21.112	82.221	12.546	
1500	82.132	22.62	84.04	12.595	
2000	88.726	22.317	85.404	12.868	
2500	87.053	22.631	85.341	12.698	
gflops					
	BLAS_chemm_llnn_ccc	BLAS_zhemm_llnn_ccc			
500	74.687	12.303			
1000	82.751	12.566			
1500	84.433	12.638			
2000	85.61	12.878			
2500	85.604	12.726			
gflops					
	BLAS_cherk_ln_cc	BLAS_zherk_ln_cc			
500	48.365	9.012			
1000	64.307	10.537			
1500	68.586	11.253			
2000	71.744	11.475			
2500	72.449	11.737			
gflops					
	BLAS_cher2k_lnn_ccc	BLAS_zher2k_lnn_ccc			
500	48.505	9.015			
1000	64.365	10.532			
1500	68.561	11.254			
2000	71.708	11.477			
2500	72.479	11.736			

gflops				
	BLAS_ssymm_llnn_ccc	BLAS_dsymm_llnn_ccc	BLAS_csymm_llnn_ccc	BLAS_zsymm_llnn_ccc
500	47.047	18.22	74.031	12.314
1000	80.895	21.331	82.747	12.565
1500	82.905	22.695	84.415	12.64
2000	89.291	22.41	85.602	12.879
2500	87.759	22.885	85.818	12.726

gflops				
	BLAS_ssyrk_ln_cc	BLAS_dsyrk_ln_cc	BLAS_csyrk_ln_cc	BLAS_zsyrk_ln_cc
500	21.554	12.909	48.525	9.026
1000	51.003	17.303	64.305	10.536
1500	56.52	19.305	68.495	11.262
2000	67.003	19.322	71.698	11.479
2500	68.864	19.841	72.435	11.74

gflops				
	BLAS_ssyr2k_lnn_ccc	BLAS_dsyr2k_lnn_ccc	BLAS_csyr2k_lnn_ccc	BLAS_zsyr2k_lnn_ccc
500	21.675	12.879	48.626	9.032
1000	51.184	17.295	64.281	10.534
1500	56.592	19.314	68.535	11.262
2000	67.068	19.321	71.718	11.48
2500	68.839	19.848	72.448	11.741

gflops				
	BLAS_strmm_llnn_cc	BLAS_dtrmm_llnn_cc	BLAS_ctrmm_llnn_cc	BLAS_ztrmm_llnn_cc
500	22.462	9.574	32.362	5.403
1000	44.8	14.286	45.197	7.146
1500	48.856	16.284	50.456	8.176
2000	55.465	17.187	55.691	8.932
2500	58.2	17.885	58.268	9.336

gflops				
	BLAS_strsm_llnn_cc	BLAS_dtrsm_llnn_cc	BLAS_ctrsm_llnn_cc	BLAS_ztrsm_llnn_cc
500	21.95	11.751	42.234	9.5
1000	40.816	15.86	55.371	11.465
1500	46.304	17.759	62.717	12.366
2000	53.334	18.513	65.711	12.957
2500	55.531	19.111	68.027	12.58









