

OpenMP									
STRONG SCALING EFFICIENCY									
Threads	Input Size	T1	T2	T3	T4	T5	Average wct	Speedup	Strong scaling
1	5000	40.82	40.67	40.6	40.53	40.36	40.596	1	1
2	5000	20.32	20.31	20.27	20.22	20.21	20.266	2.00316	1.00158
3	5000	13.55	12.89	14.21	13.55	12.89	13.418	3.02549	1.00850
4	5000	10.91	10.92	10.94	10.95	10.97	10.938	3.71146	0.92787
5	5000	9	7.02	7.07	7.09	7.12	7.46	5.44182	1.08836
6	5000	5.82	6.52	7.23	5.93	6.63	6.426	6.31746	1.05291
7	5000	6.42	6.19	5.96	5.74	5.52	5.966	6.80456	0.97208
8	5000	4.59	5.66	4.72	5.78	4.85	5.12	7.92891	0.99111
9	5000	5.37	3.89	4.42	4.92	5.45	4.81	8.43992	0.93777
10	5000	3.54	3.65	3.71	3.8	3.88	3.716	10.92465	1.09247
11	5000	3.62	3.39	3.14	2.91	4.68	3.548	11.44194	1.04018
12	5000	4.4	4.56	4.25	4.23	3.95	4.278	9.48948	0.79079
WEAK SCALING EFFICIENCY									
Threads	Input Size	T1	T2	T3	T4	T5	Average wct	Weak scaling	
1	5000	39.79	39.64	39.55	39.48	39.31	39.554	1	
2	7000	38.36	39.48	38.62	39.67	38.71	38.968	1.01504	
3	8550	39.56	38.37	39.78	38.6	39.47	39.156	1.01016	
4	9950	38.95	40.42	39.91	39.41	38.89	39.516	1.00096	
5	11100	40.19	39.46	38.73	40.06	39.33	39.554	1.00000	
6	12150	39.11	38.4	39.63	38.89	40.15	39.236	1.00810	
7	13150	39.6	39.01	38.93	40.39	39.85	39.556	0.99995	
8	14000	38.95	40.08	39.18	38.31	39.49	39.202	1.00898	
9	14850	38.71	39.91	39.14	38.29	39.46	39.102	1.01156	
10	15750	43.49	39.19	38.9	40.64	40.39	40.522	0.97611	
11	16400	39.63	38.87	40.12	39.42	38.77	39.362	1.00488	
12	17250	43.94	43.53	43.03	42.6	43.72	43.364	0.91214	

MPI									
STRONG SCALING EFFICIENCY									
Cores	Input Size	T1	T2	T3	T4	T5	Average wct	Speedup	Strong scaling
1	5000	37.53	37.48	37.44	37.36	37.32	37.43	1	1
2	5000	18.61	17.90	19.18	18.51	17.79	18.40	2.03424	1.01712
3	5000	12.86	11.91	12.98	12.05	13.11	12.58	2.97457	0.99152
4	5000	9.05	8.99	9.09	9.04	8.97	9.03	4.14555	1.03639
5	5000	7.21	7.30	7.48	7.57	7.67	7.45	5.02632	1.00526
6	5000	6.51	5.45	6.31	7.15	6.09	6.30	5.93875	0.98979
7	5000	6.05	6.02	5.98	6.06	6.04	6.03	6.20663	0.88666
8	5000	5.35	4.75	4.13	5.46	4.78	4.89	7.64732	0.95592
9	5000	3.57	4.37	5.19	4.06	5.52	4.54	8.23998	0.91555
10	5000	3.98	4.40	2.95	3.59	4.07	3.80	9.85413	0.98541
11	5000	4.24	4.36	4.52	3.05	3.21	3.88	9.65583	0.87780
12	5000	3.41	3.79	4.37	4.74	2.96	3.85	9.71095	0.80925
WEAK SCALING EFFICIENCY									
Cores	Input Size	T1	T2	T3	T4	T5	Average wct	Weak scaling	
1	5000	36.92	36.87	36.82	36.73	36.64	36.796	1	
2	7000	35.8	36.96	36.16	37.32	36.52	36.552	1.00668	
3	8550	35.49	36.47	35.44	36.4	37.37	36.234	1.01551	
4	9950	36.92	37	36.53	36.05	37.54	36.808	0.99967	
5	11100	36.9	36.27	42.92	36.27	37.64	38	0.96832	
6	12150	36.94	36.29	37.72	37.83	37.14	37.184	0.98957	
7	13150	41.92	37.4	36.87	37.81	37.27	38.254	0.96189	
8	14000	36.48	35.67	36.85	36.06	37.3	36.472	1.00888	
9	14850	37.65	36.89	36.19	37.41	36.67	36.962	0.99551	
10	15750	36.36	36.13	37.82	42.76	36.42	37.898	0.97092	
11	16400	35.84	37.27	37.16	36.5	36.4	36.634	1.00442	
12	17250	40.79	40.29	41.74	42.1	41.87	41.318	0.89056	

