

HPC Capstone Benchmarks

serial	min	sec	total sec	
python version	226	1	13561	1
gcc (no optim)	4	27.59	267.591	1
icc (no optim)	1	7.927	67.927	1
icc (-O3)	1	3.863	63.863	1

chunk = 100					
16 core host					
threads	min	sec	speedup (from serial gcc)	efficiency	
1		37.99	7.0446492		7.0446492
4		16.03	16.6931379		4.17328447
8		14.03	19.0782119		2.38477649
16		13.62	19.6425897		1.22766186
20		13.63	19.6382651		0.98191325
30		16.63	16.0918275		0.53639425
31		14.62	18.303078		0.59042187
32		19.23	13.9138415		0.43480755
33		12.02	22.2621464		0.6746105
34		12.22	21.8995826		0.64410537
42		12.22	21.8977905		0.52137596
45		12.23	21.8852539		0.48633898
48		12.42	21.5469039		0.44889383
52		12.82	20.8729329		0.40140256
64		12.42	21.5399662		0.33656197