PS3b

Pthreads

num_of_threads	**sha512, 1 simple word**	**sha512, 4 digits**	**sha512, 2 alphanumeric characters**
1	17.877s	47.028s	14.646
2	5.963s	17.813s	5.783s
4	4.444s	12.875s	4.337
6	3.708s	10.776s	3.648s
8	3.086s	8.691s	2.928s
10	3.497s	9.770s	3.281s

OpenMp

num_of_threads	**sha512, 1 word**	**sha512, 4 digits**	**sha512, 2 alphanumeric characters**
1	10.309s	30.235s	10.283s
2	5.199s	15.140s	5.101s
4	2.625s	7.630s	2.533s
6	3.385s	9.885s	3.324s
8	2.583s	7.430s	2.501s
10	3.695s	10.837s	3.661s

Overall the OpenMP solution is faster than the Pthreads solution. The difference in run-time is more significant when num_of_threads are small, and it evens out when num_of_threads increases. When num_of_threads exceeds 6 the results vary a bit, which suggests that the num_of_threads has exceeded the number of physical cores on the machine.