

Benchmarking Results			
1728 cores: Predicted			
	ns/day	hr/ns	timestep/s
1 Hole	4.549	5.276	105.295
2 Holes	4.172	5.752	96.579
3 Holes	5.602	4.284	129.678
4 Holes	6.334	3.789	146.615
5 Holes	5.224	4.594	120.932
Average	5.1762	4.739	119.8198
960 cores			
Pristine	5.565	4.312	128.826
5 holes	5.804	4.135	134.345
576 cores			
5 holes	5.881	4.081	136.139
288 cores			
5 holes	4.865	4.933	112.616
96 cores			
5 holes	5.459	4.396	126.37
48 cores			
5 holes	3.053	7.861	70.677
24 cores			
5 holes	3.302	7.269	76.433

Cores (#)	Performance (hr/ns)
1728	4.594
960	4.135
576	4.081
288	4.933
96	4.396
48	7.861
24	7.269

(Optimal)

Benchmarking trials determine 96 cores (4 nodes) are optimal for each trial.

50,000 SUs scale to ~150 nanoseconds of total simulation time

Can achieve 3 trials of 10 ns per (5) porosity increments

