TTC for a varying number of 'concurrent' CUs. 3 generations of a variable number of 'concurrent' CUs of 1 core(s) with a 60s payload on a variable core pilot on xsede.stampede ortelib. Constant number of 1 sub-agent with 4 ExecWorker(s) each. RP: v0.40.1-29-gae758a0@feature-ortelib - RS: 0.40.1 - RU: 0.40 240 1,2 (2) 2,4 (8) 230 2,1(2) 2,2 (4) Time to Completion (s) 1,1(1) 220 4,4 (16) 4,1 (4) 210 4,2 (8) 1,4 (4) **Optimal** 200 190 180

2500

# Cores

3000

3500

4000

1000

1500

2000