Ordinary Least Squares Regression Cpus Per Node = 1 Cpus Per Node = 41e8 1.50 625000 Latency Walltime Outlet (ns) Num Simels Per Cpu = 1.25 600000 -1.00 575000 -0.75 550000 -0.50 525000 0.25 500000 0.00 475000 1e7 1e6 Latency Walltime Outlet (ns) Num Simels Per Cpu = 2048 2.8 2.0 2.6 1.5 2.4 1.0 2.2 0.5 2.0 0.0 -1.8 2.0 2.5 3.0 3.5 4.0 2.0 2.5 3.0 3.5 4.0 Log Num Processes Log Num Processes