XSEDE OSG Virtual Cluster Time to completion (TTC) of 8, 16, 32, 64, 128 units on between 1 and 8 pilots 16000 r Mean TTC 8 units Mean TTC 16 units 14000 Mean TTC 32 units Mean TTC 64 units Mean TTC 128 units 12000 10000 8000 6000 4000 2000 Number of Pilots