Instantaneous True Mean Reward Trajectory for Needle In Haystack 1 Medium 1 High 10 arm 0.80 -0.75 -Instantaneous Mean Reward Algorithm DynamicEpsilonGreedy, 0.05 DynamicGreedy NonBayesianEpsilonGreedy, 0.05 0.70 -ThompsonSampling UCB1WithConstantOne 0.65 -0.60 -2500 5000 7500 10000 0 time