## AerialWildfireSuppression Train & Test Metrics: Difficulty: 3, Task: 2 Entropy Water Pickup Water Drop **Preparing Trees Extinguishing Trees Reward** Preparing Trees Reward 1.50 source source source source source source <u>u</u> 10000 1 2000 9 1.45 Nalne - training Value 700 · training training training 2 √a √ 5000 = 1000 ≥ 1000 test test 1.40 0.5 0.0 0.5 1.0 1.5 0.0 0.5 1.0 1.5 0.0 1.0 0.0 1.0 0.0 1.5 1.5 1e6 1e6 Step 1e6 1e6 1e6 Step Step Step Step 1e6 Step Fire too Close to City Crash Count **Extinguishing Trees** Fire Out Episode Length Extrinsic Value Estimate 1.0 500 source source — training value value training 0.5 · ម្ម 2000 0.5 ₹ 250 training test 1.0 1.0 1.5 0.0 1.5 0.5 1.5 1.5 0.0 0.5 1.5 0.0 0.0 1.0 1.0 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 **Cumulative Reward Extrinsic Reward** Policy Loss Value Loss Learning Rate Epsilon 10000 -0.20 10000 40000 source source source source <u>υ</u> 0.0002 training Nalue 5000 -Nalue 5000 -Value 7 20.0 Nalue - 21.0 source 20000 test training 0.04 test 0.0000 0.0 0.0 1.0 1.5 0.5 1.0 1.5 1.0 1.0 0.5 1.5 0.0 0.5 0.0 1e6 1e6 Step Step 1e6 Step 1e6 Step Step 1e6 1e6 Step Beta source 0.004 0.002 training test 0.000 1.0 0.5 1.5 0.0

1e6

Step