AerialWildfireSuppression Train & Test Metrics: Difficulty: 2, Task: 7 Water Drop Water Pickup **Preparing Trees Extinguishing Trees Reward** Entropy **Preparing Trees Reward** 0.05 -0.05 0.05 -0.05 0.05 source source source source source source — training training training --- training training Value Value Value Value 0.00 0.00 0.00 0.00 test — test test — test — test 1.6 -0.05 -0.05-0.05-0.051.5 1.5 1.0 1.5 0.0 0.5 1.5 0.5 1.5 0.5 1.0 1.5 0.0 1.0 0.0 0.5 1.0 0.0 0.5 1.0 0.0 0.5 0.0 1.0 1e6 1e6 Step 1e6 1e6 1e6 1e6 Step Step Step Step Step **Extinguishing Trees** Fire too Close to City Fire Out Crash Count Extrinsic Value Estimate Episode Length 0.05 0.05 0.05 source source source source source training training **Ψ** 2000 — training training 0.00 0.00 0.00 test test test -0.05-0.05 --0.05 1.0 1.5 0.0 1.5 0.5 1.5 0.0 0.5 1.5 0.0 1.0 1.5 0.0 1.0 1.5 0.0 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Cumulative Reward Extrinsic Reward Policy Loss Value Loss Learning Rate Epsilon 0.20 0.06 -100 100 source source source \alpha \cdot training Value Value Value 0000 Nalue - 0.15 source 0.05 test — training training training test test test 0.04 -100 -100 0.0000 0.5 1.0 1.5 0.0 0.5 1.5 0.0 0.5 1.0 1.5 0.5 1.0 1.5 0.0 1.0 0.5 1.5 1.5 0.0 1e6 1e6 1e6 1e6 1e6 Step 1e6 Step Step Step Step Step Beta source 0.004 training 8 0.002 test

0.000

0.0

1.0

Step

1.5

1e6

0.5