## AerialWildfireSuppression Train & Test Metrics: Difficulty: 4, Task: 2 Entropy Water Pickup **Preparing Trees Extinguishing Trees Reward** Water Drop **Preparing Trees Reward** 1.6 100000 -2000 -1000 source source source source source source training training - training training Value 1.5 Value 20 Value 02 Value 500 9 1000 -50000 test 0.0 1.5 1.5 1.0 1.5 1.0 1.5 0.0 1.0 0.0 1.5 0.5 1.0 1.5 1e6 1e6 Step 1e6 1e6 Step 1e6 1e6 Step Step Step Step **Extinguishing Trees** Fire too Close to City Crash Count Fire Out Episode Length Extrinsic Value Estimate 1.0 200 source source source training training Value 100 training Value 6.0 Value 6.0 - Value test test 1.5 1.5 1.5 0.0 0.5 0.0 1.0 1.5 0.0 1.0 1.5 1.0 1.0 0.5 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 **Cumulative Reward** Extrinsic Reward Policy Loss Value Loss Learning Rate **Epsilon** 1e6 0.06 source source source Value . Value / training training 9 0.04 × 0.04 9 0.15 source test training test 0.0000 -0.10 0.02 0.0 0.5 0.5 1.5 0.0 0.5 1.0 1.5 1.0 0.0 1.0 1.5 1.0 1.5 1.0 1e6 1e6 1e6 1e6 1e6 Step Step Step Step 1e6 Step Step Beta source 0.004 0.002 training 0.000

1.0

Step

1.5

1e6

0.5

0.0