## AerialWildfireSuppression Train & Test Metrics: Difficulty: 3, Task: 2 Extinguishing Trees Reward Entropy Water Drop Water Pickup **Preparing Trees** Preparing Trees Reward 50000 1000 1000 source source source source source source 1.55 9 1.50 training Value 8 25000 -Value 01 Value 005 test 500 1.45 1.5 0.0 0.5 1.0 0.0 1.0 1.5 0.0 0.0 0.5 1.0 1.5 0.0 1.0 1.5 1.5 1e6 1e6 Step 1e6 1e6 1e6 Step Step Step 1e6 Step Step Fire too Close to City Extrinsic Value Estimate **Extinguishing Trees** Fire Out Crash Count Episode Length 200 source source source source 9 0.50 J Mr. What - training training Nalue 7.5 Value on 5000. source source □ 100 ₩ 0.25 test training training test test 0.00 1.5 1.5 0.0 1.0 1.0 1.5 0.0 1.0 0.0 0.5 1.0 0.0 1.0 1.5 0.5 1.5 1.0 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 **Cumulative Reward Extrinsic Reward** Policy Loss Learning Rate **Epsilon** Value Loss 0.20 -50000 source 50000 source source \alpha \text{NaIne} \text{VaIne} training <u>a</u> 25000 -9 25000 Value Value 9 0.15 source source training training test test 0.0000 0.0 1.0 1.5 0.0 0.5 1.0 1.5 0.5 1.5 1.0 1.0 0.0 1.5 0.0 0.5 1.0 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step

