AerialWildfireSuppression Train & Test Metrics: Difficulty: 10, Task: 3 Entropy Water Drop Water Pickup **Preparing Trees Extinguishing Trees Reward Preparing Trees Reward** 200 source source source source 2000 2000 1.45 -N 1.40 source al no -— training 7000 Value 100 training <u>®</u> 1000 0.0 0.5 1.5 1.0 0.0 1.5 1.5 0.0 1.5 1.5 1.0 1e6 1e6 Step 1e6 1e6 1e6 1e6 Step Step Step Step Step Episode Length Fire too Close to City Crash Count Extrinsic Value Estimate **Extinguishing Trees** Fire Out 3000 1.0 -100 source source source 9 2000 1 1000 0.5 · source source 0.5 training training test test 0.0 0.5 1.0 1.5 0.5 1.5 0.0 0.5 1.5 1.0 1.5 1.0 1.5 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 source source source source 4000 \alpha \langle \text{Value} \text{Value} \text{Value} training training Nalue - 21.0 source <u>s</u> 2000 test training test 0.0000 0.0 0.0 1.5 0.0 0.5 1.0 1.5 0.5 1.0 1.5 1.0 0.0 1.0 1.5 1e6 1e6 1e6 1e6 1e6 Step Step Step Step 1e6 Step Step Beta source 0.004 Value 0.002 training 0.000 -0.5 1.0 1.5 0.0

Step

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