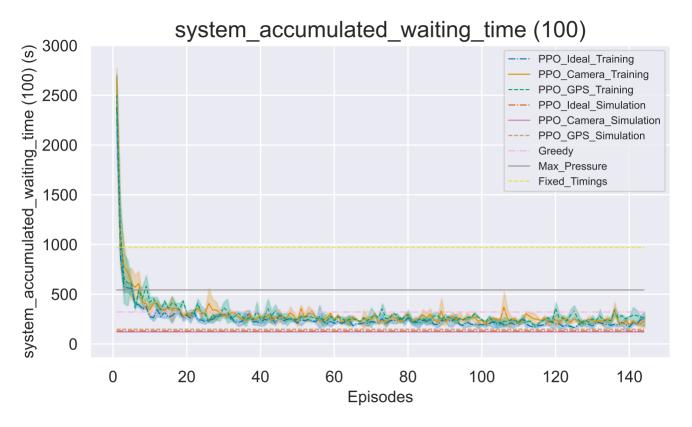
system_total_waiting_time 700 --- PPO Ideal Training PPO Camera Training PPO GPS Training 600 system_total_waiting_time (s) --- PPO Ideal Simulation PPO Camera Simulation 500 PPO GPS Simulation Greedy Max Pressure 400 **Fixed Timings** 300 200 100 0 20 40 60 80 100 120 140 **Episodes**



system_total_stopped PPO Ideal Training system_total_stopped (stopped vehicles) PPO_Camera_Training 30 PPO GPS Training PPO Ideal Simulation PPO Camera_Simulation PPO GPS Simulation Greedy Max Pressure Fixed Timings

60

80

Episodes

100

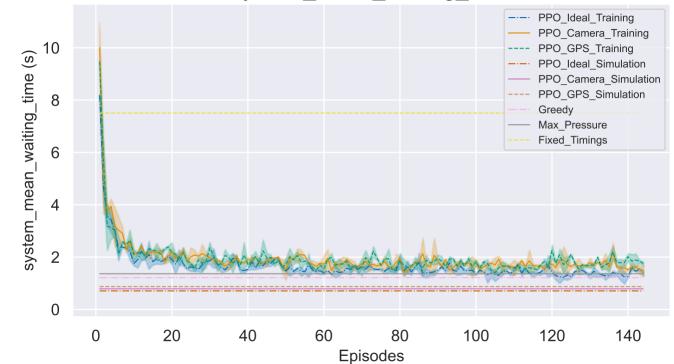
120

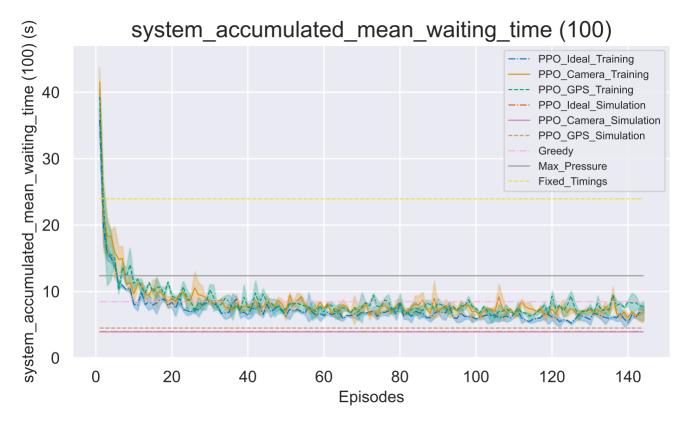
140

20

40

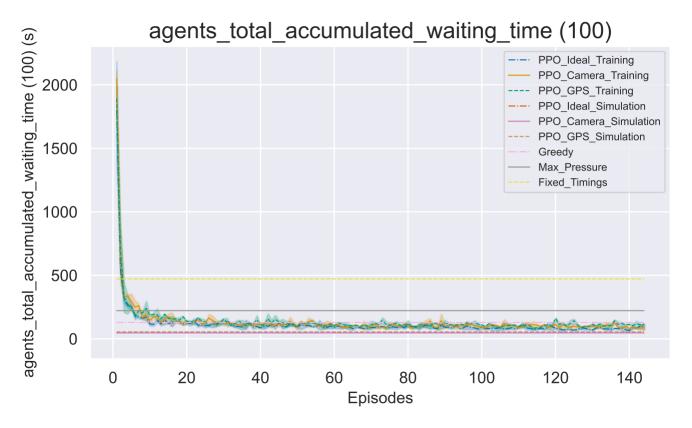
system_mean_waiting_time





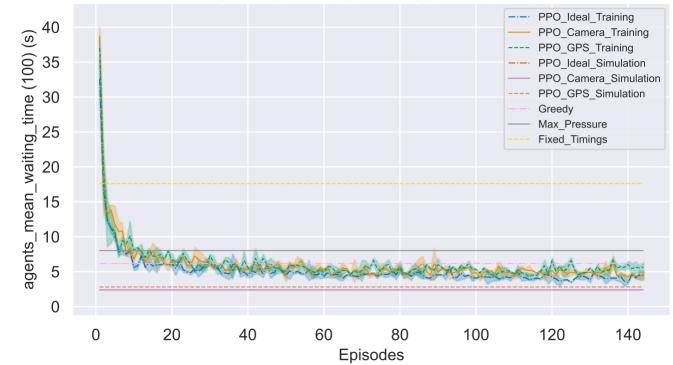
system_mean_speed 8 system_mean_speed (m/s) --- PPO_Ideal_Training PPO_Camera_Training PPO GPS Training --- PPO_ldeal_Simulation PPO_Camera_Simulation PPO GPS Simulation Greedy Max Pressure Fixed_Timings 20 40 60 80 100 140 120 **Episodes**

system cars present PPO Ideal Training PPO Camera Training 60 PPO GPS Training PPO Ideal Simulation PPO_Camera_Simulation PPO GPS Simulation Greedy Max Pressure Fixed Timings 30 20 40 60 80 100 120 140 **Episodes**



agents_total_stopped PPO Ideal Training agents_total_stopped (stopped vehicles) 30 PPO Camera Training PPO GPS Training PPO Ideal Simulation PPO Camera_Simulation PPO GPS Simulation Greedy Max Pressure Fixed Timings 10 5 20 40 60 120 140 80 100 0 **Episodes**

agents_mean_waiting_time (100)



agents_mean_speed 6 agents_mean_speed (m/s) --- PPO_Ideal_Training PPO_Camera_Training PPO GPS Training --- PPO_ldeal_Simulation PPO_Camera_Simulation PPO GPS Simulation Greedy Max_Pressure Fixed_Timings 20 40 60 80 100 120 140 **Episodes**

