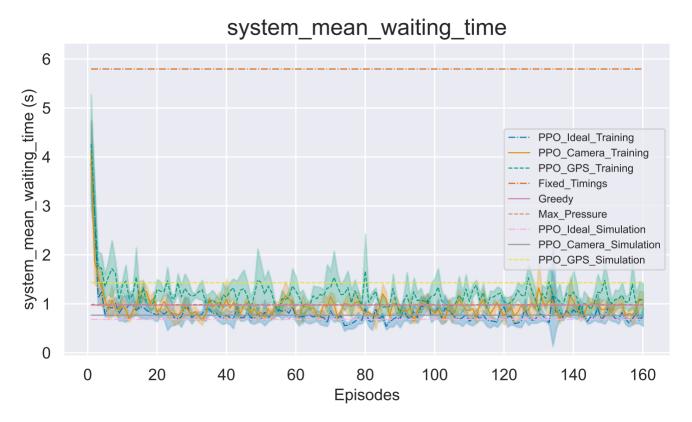
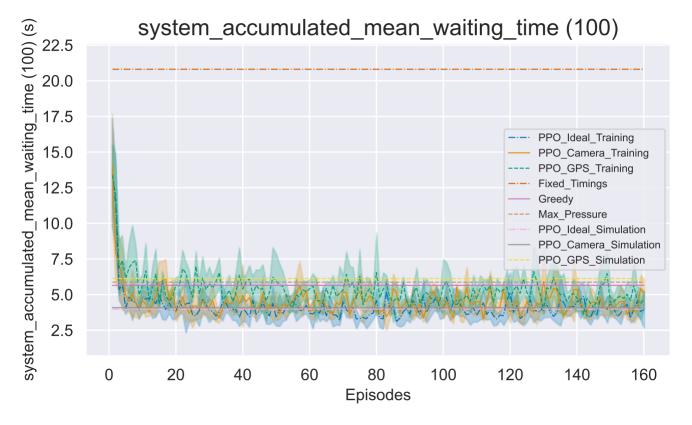


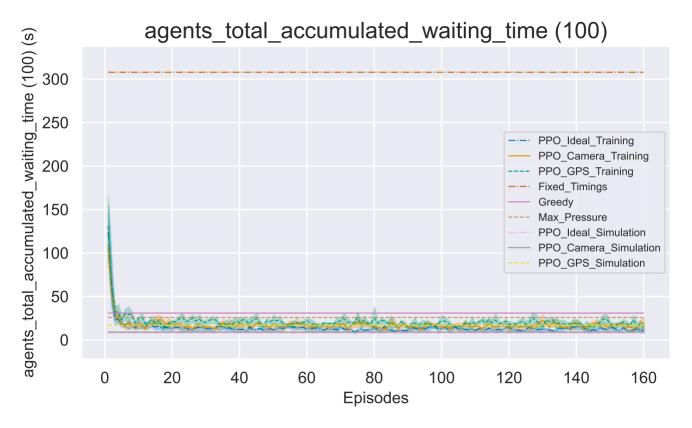
system\_total\_stopped system\_total\_stopped (stopped vehicles) 10 PPO Ideal Training PPO Camera Training PPO GPS Training Fixed Timings Greedy Max Pressure PPO\_Ideal\_Simulation PPO Camera Simulation PPO\_GPS\_Simulation 2 20 40 60 80 100 120 140 160 **Episodes** 



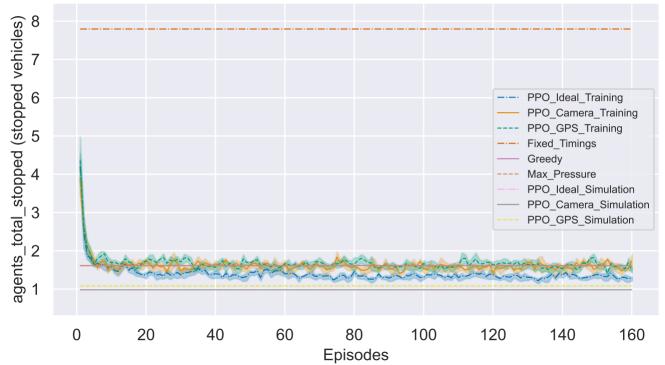


system mean speed --- PPO Ideal Training 12 PPO Camera Training PPO GPS Training **Fixed Timings** system\_mean\_speed (m/s) Greedy Max Pressure PPO Ideal Simulation PPO\_Camera\_Simulation 9 PPO GPS Simulation 5 20 80 100 120 160 40 60 140 **Episodes** 

system cars present 26 system\_cars\_present 24 PPO Ideal Training PPO Camera Training PPO\_GPS\_Training Fixed Timings Greedy Max Pressure PPO\_Ideal\_Simulation 20 PPO Camera\_Simulation PPO GPS Simulation 18 16 20 40 60 80 100 120 140 160 **Episodes** 



agents\_total\_stopped



agents mean waiting time (100) 20.0 agents\_mean\_waiting\_time (100) (s) 17.5 15.0 PPO Ideal Training PPO Camera Training 12.5 PPO GPS Training Fixed Timings Greedy 10.0 Max Pressure PPO\_Ideal\_Simulation 7.5 PPO Camera Simulation PPO GPS Simulation 5.0 2.5 0.0 20 100 120 160 0 40 60 80 140 **Episodes** 

agents\_mean\_speed --- PPO Ideal Training 10 PPO\_Camera\_Training PPO GPS Training Fixed Timings agents\_mean\_speed (m/s) Greedy Max Pressure PPO Ideal Simulation PPO Camera Simulation PPO GPS Simulation 6 5 3 20 60 80 100 120 140 160 40 **Episodes** 

