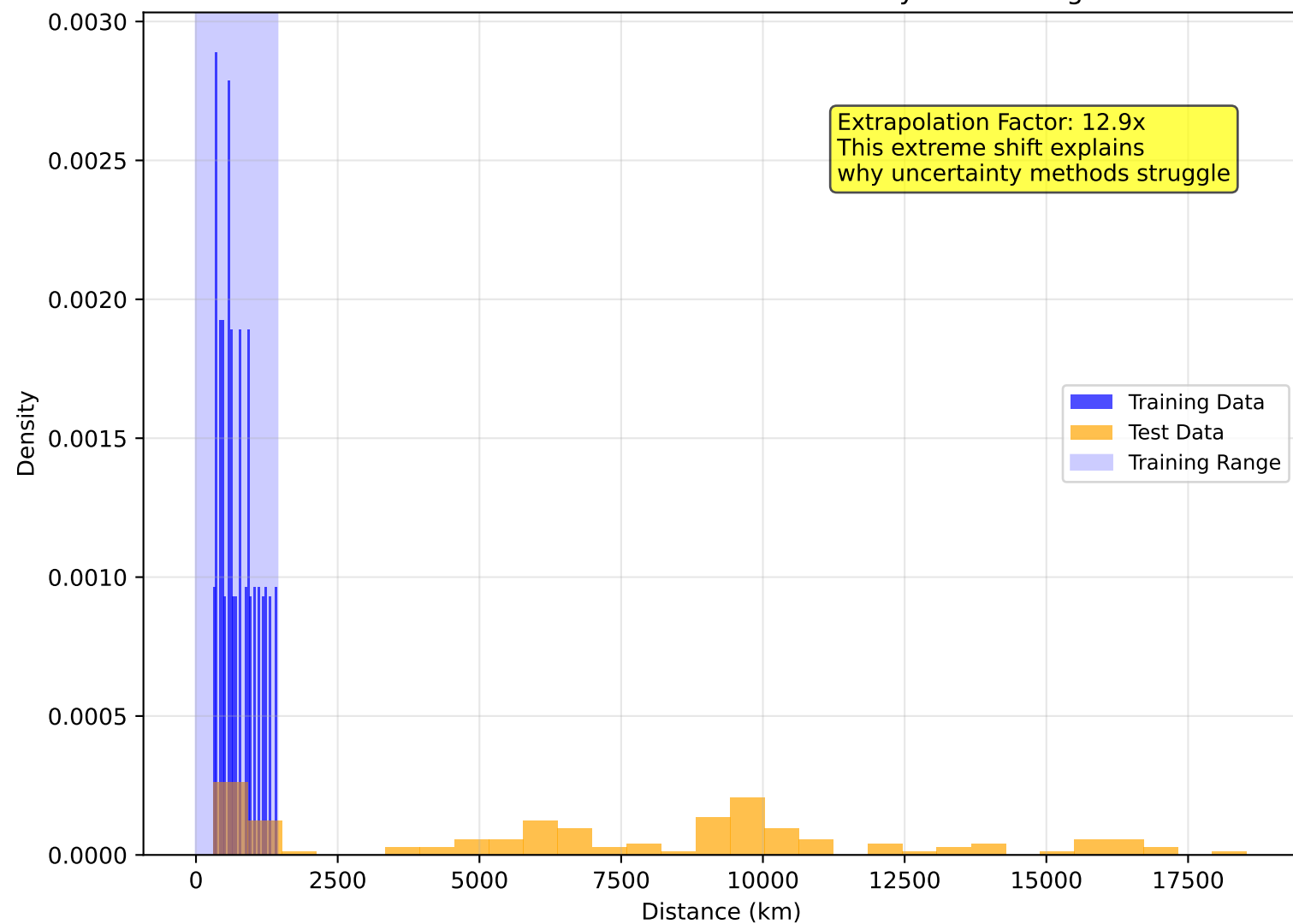
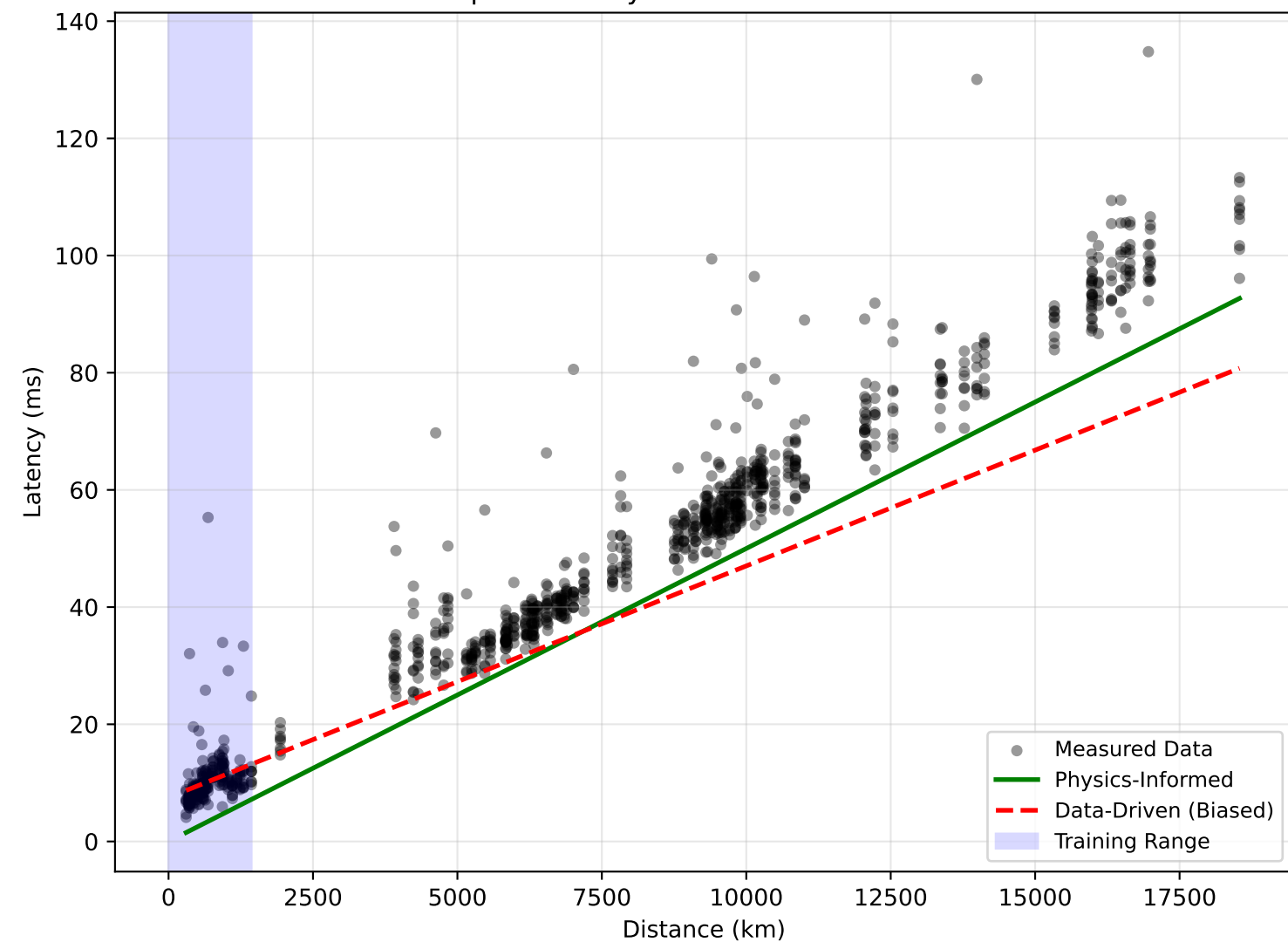


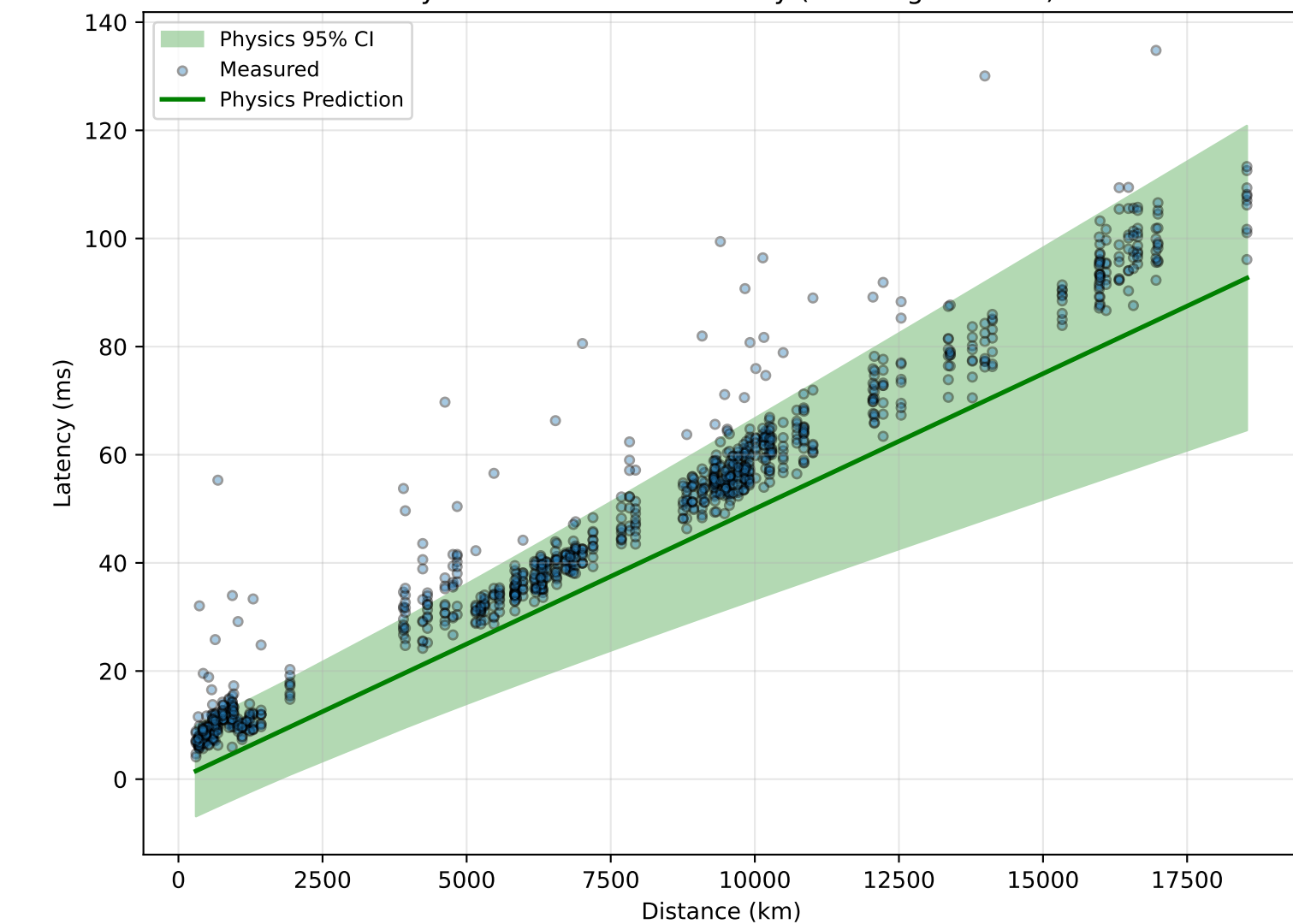
EXTRAPOLATION CHALLENGE: 12.9x Beyond Training



Prediction Comparison: Physics Robustness vs Data-Driven Bias



Physics-Informed Uncertainty (Coverage: 89.2%)



Data-Driven Uncertainty (Coverage: 76.9% - Poor due to bias)

