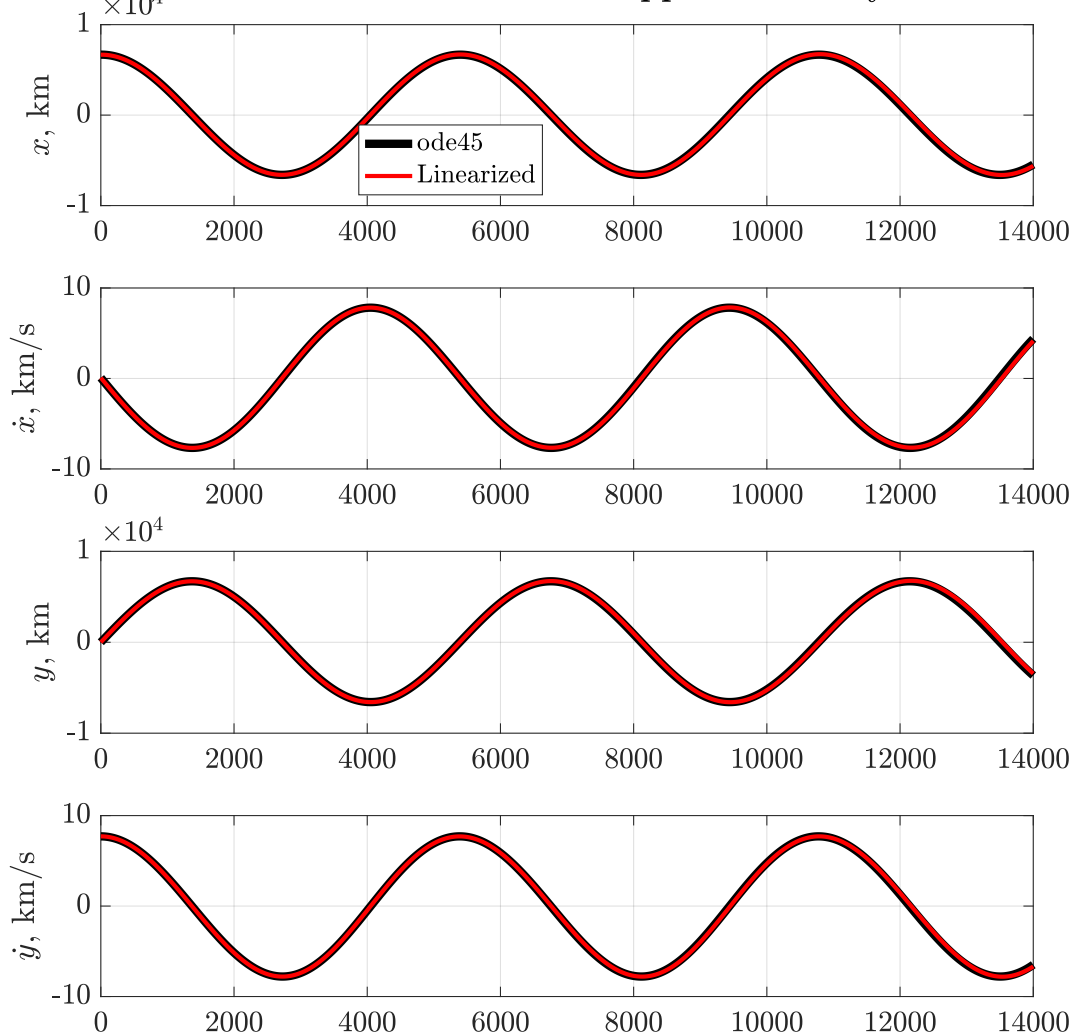


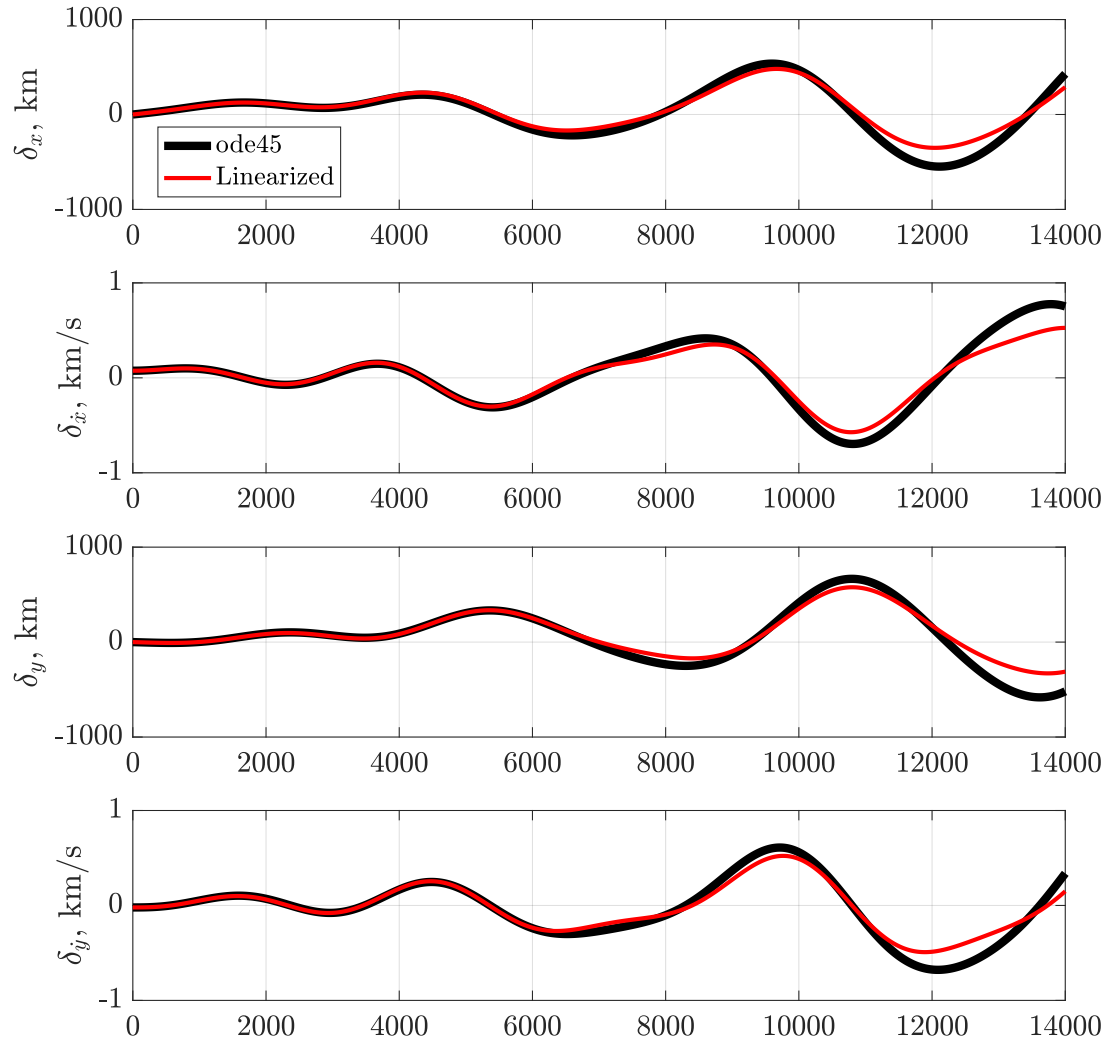
Chris Chamberlain and Mitchell Smith
ASEN 5044
Statistical Estimation for Dynamical Systems
Orbit Determination
December 18, 2017

Part I – HW 8

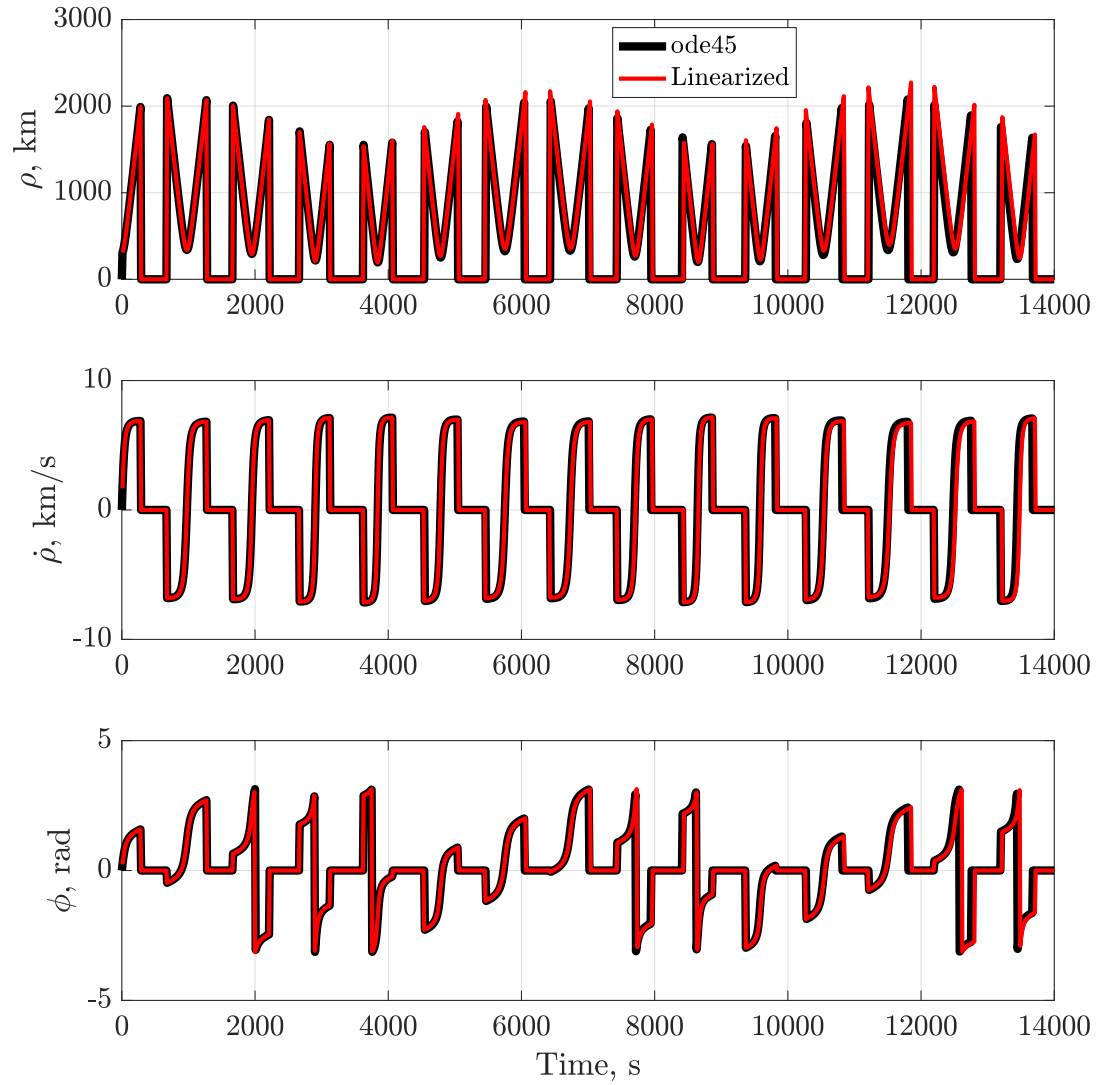
States vs Time, Non-linear and Linearized Approximate Dynamics Simulation



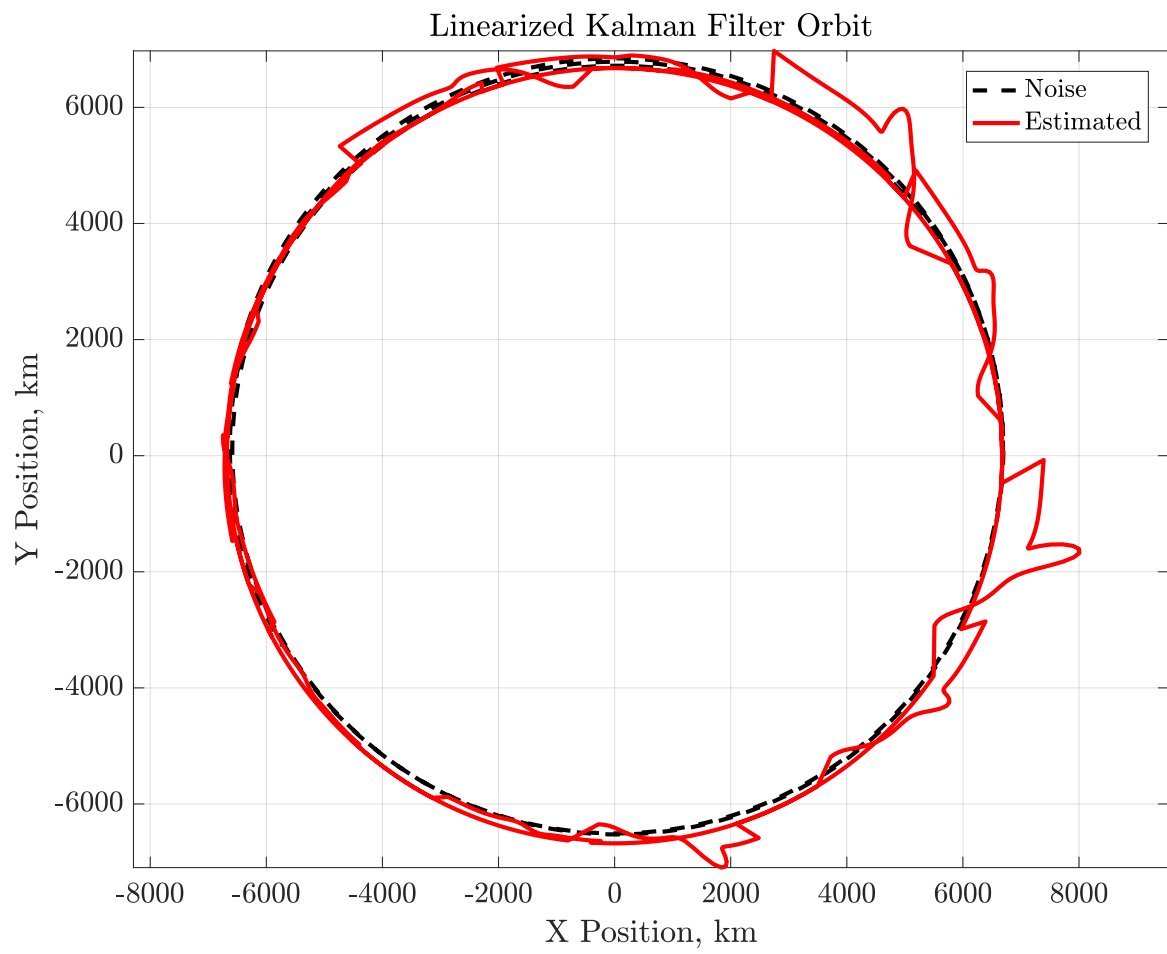
Part 1 – State Perturbations

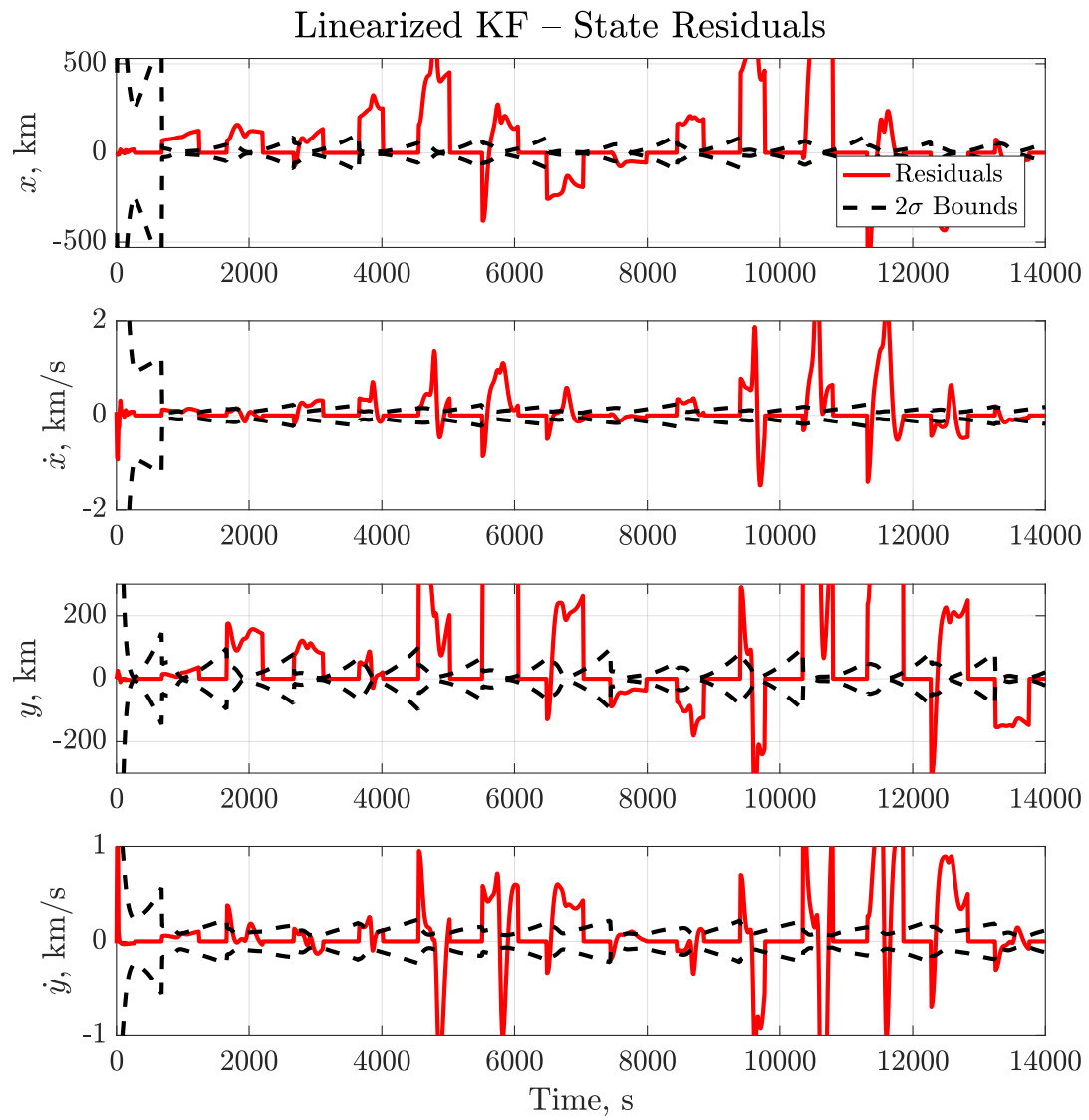


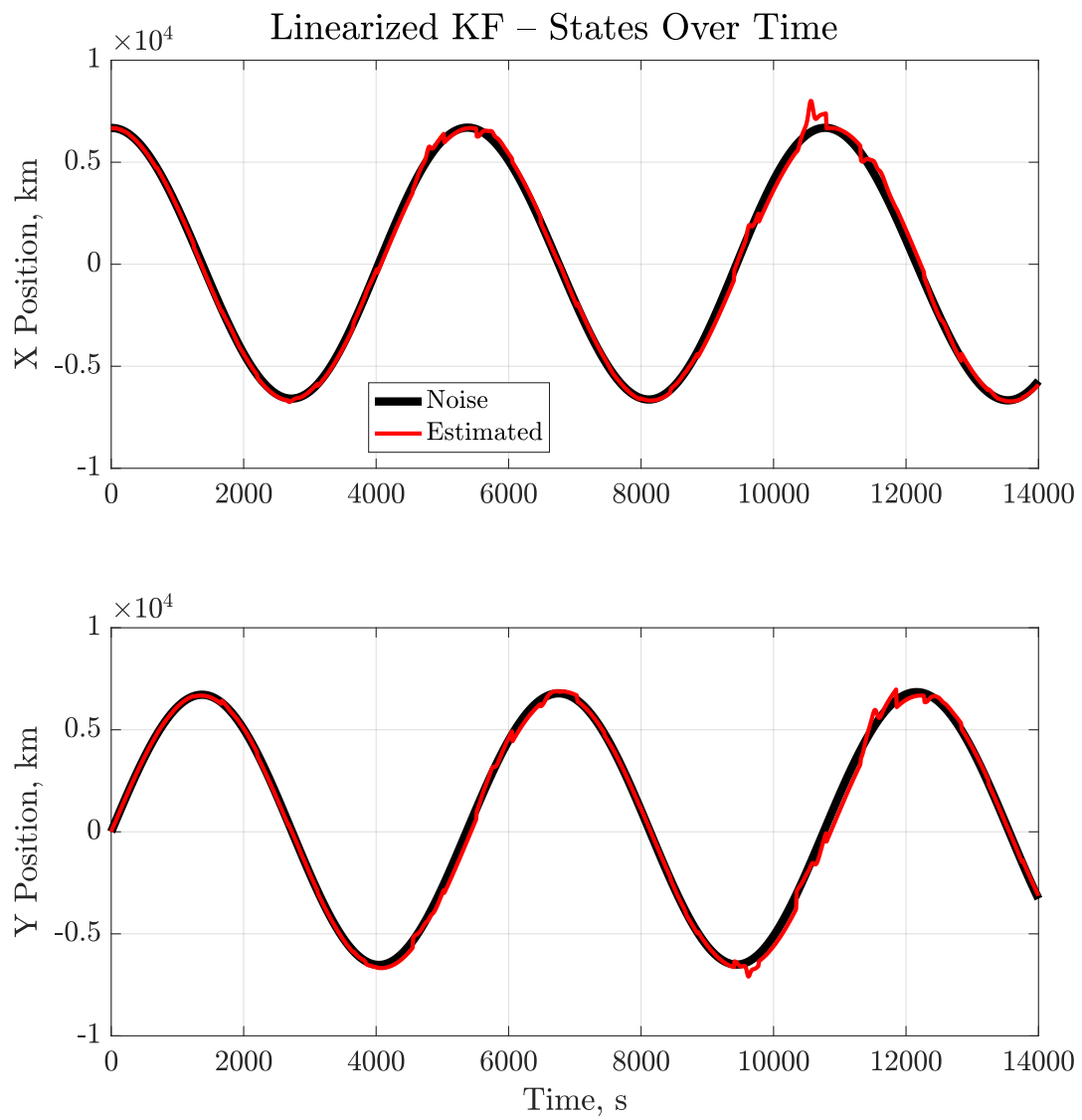
Part 1 – Measurements Over Time

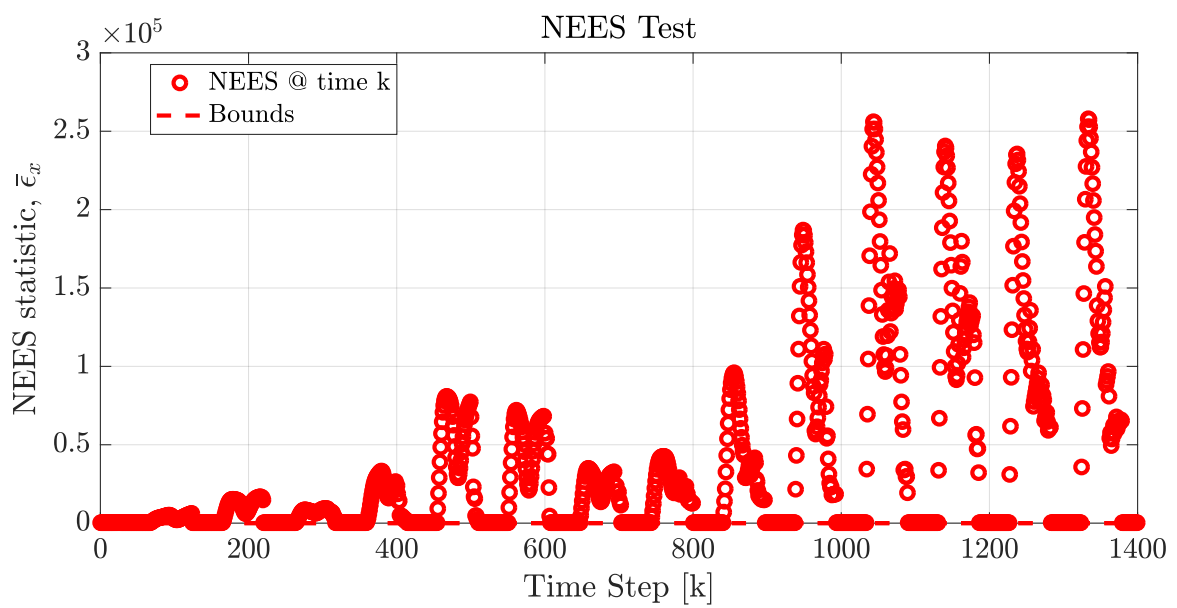
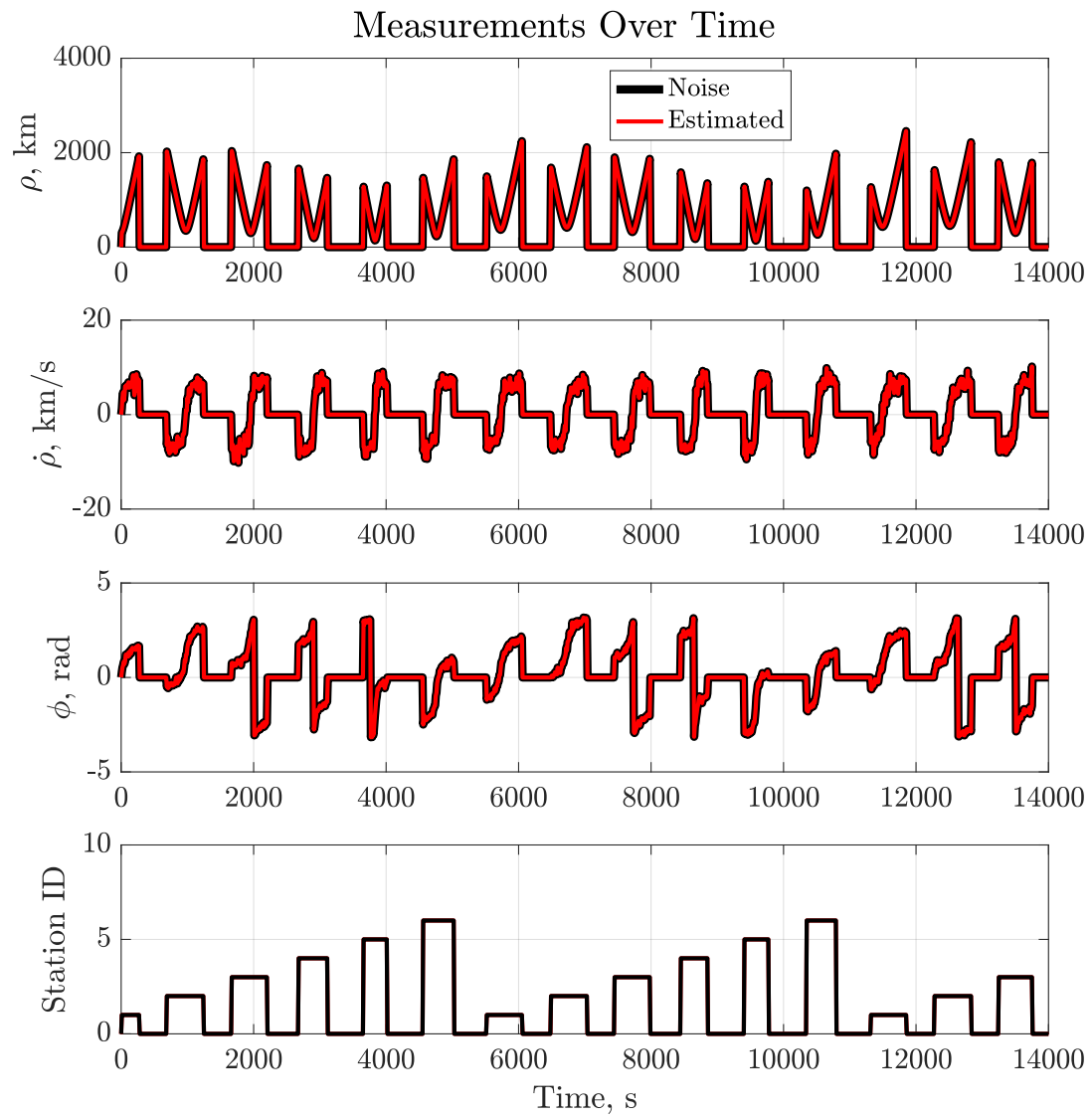


Part II – Linearized Kalman Filter

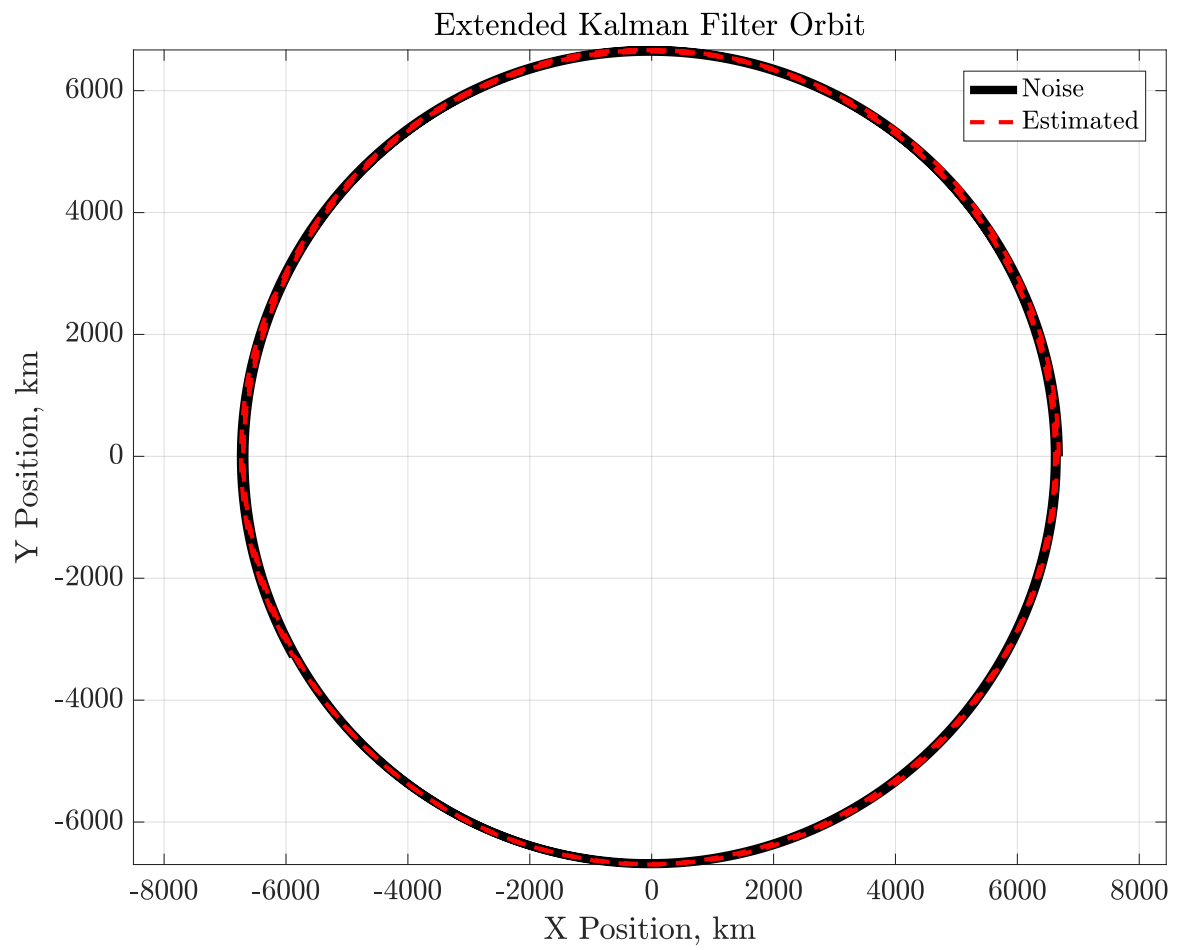








Part III – Extended Kalman Filter



EKF – State Residuals

