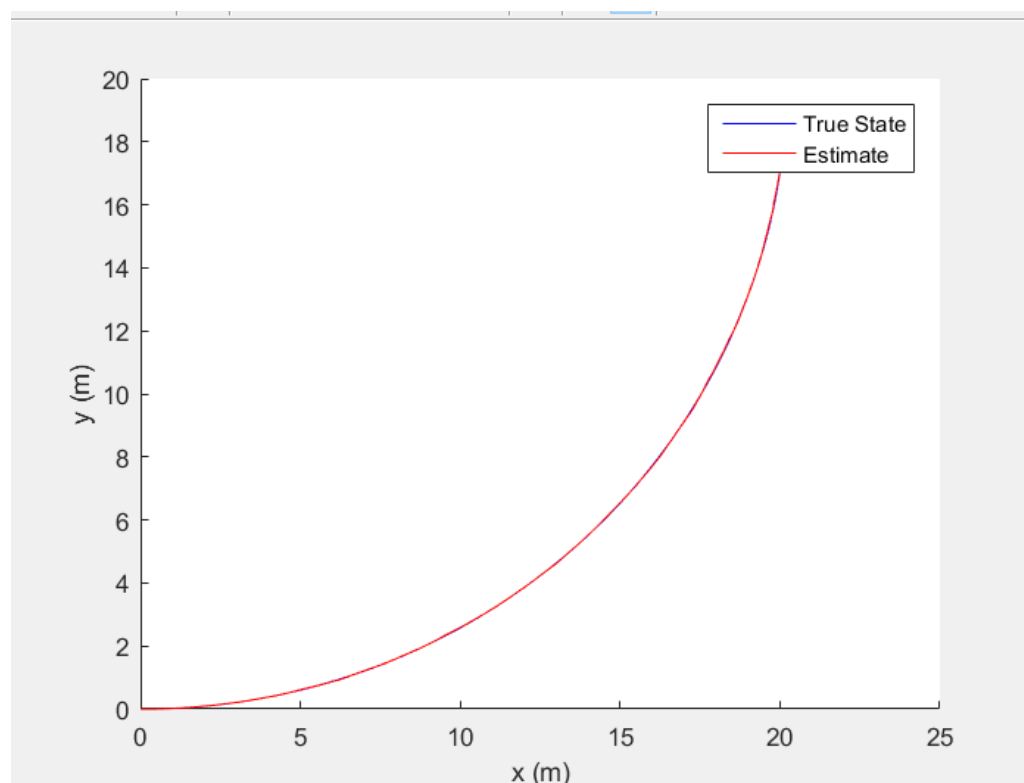
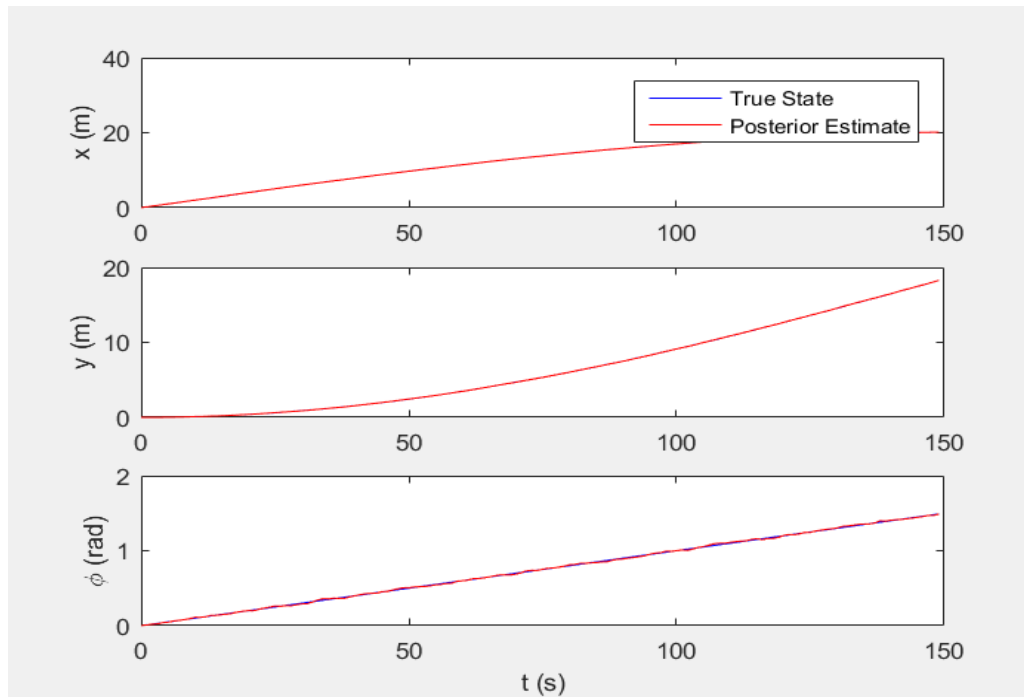
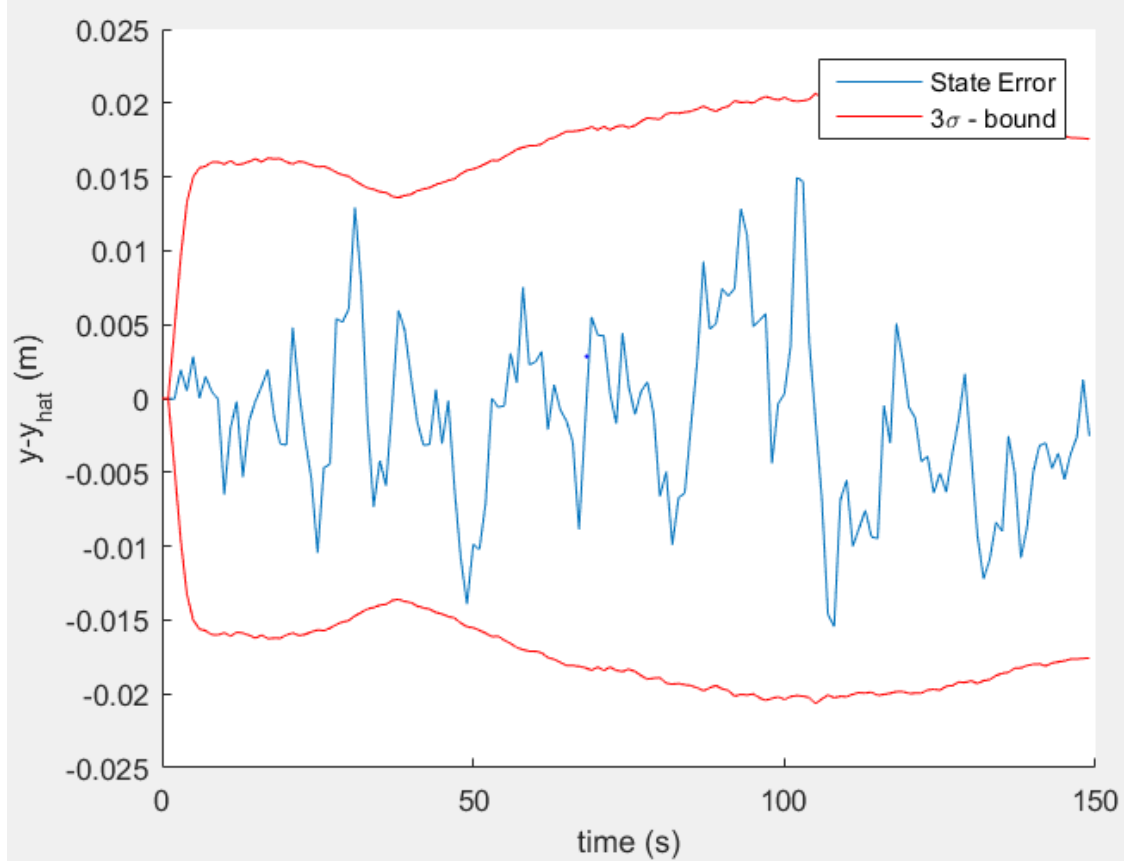
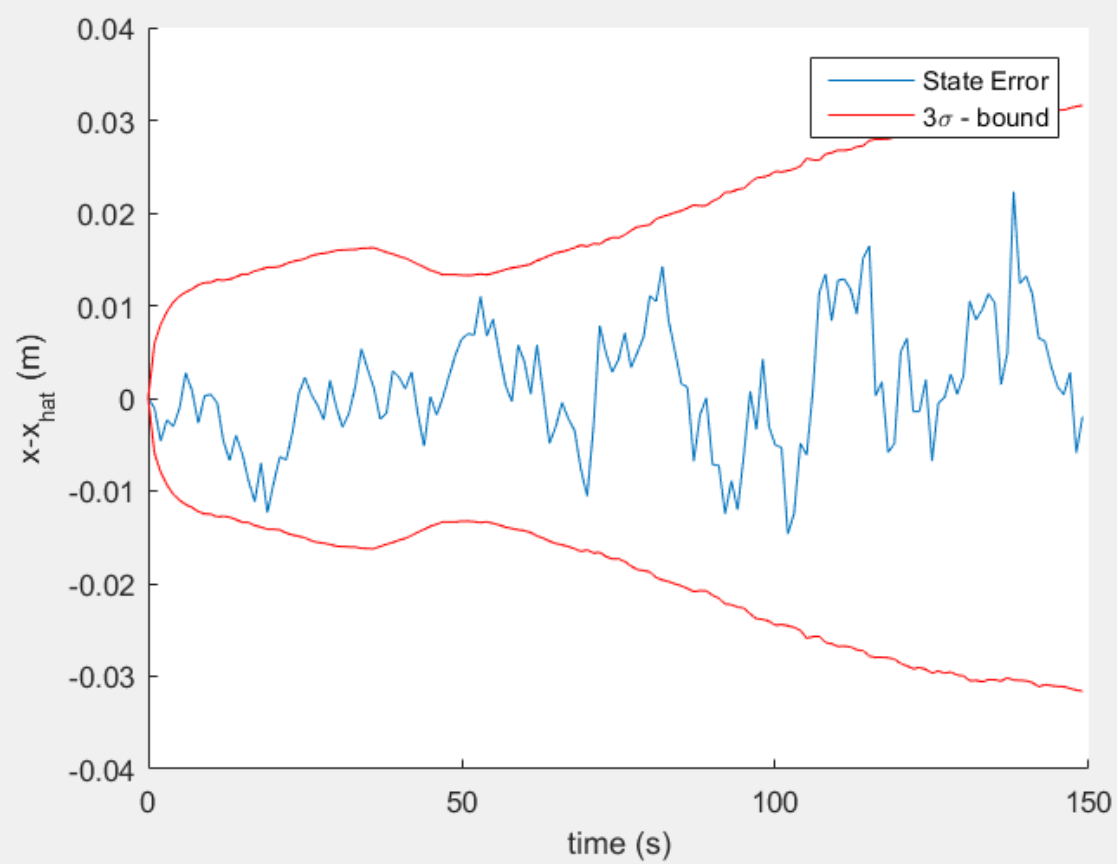


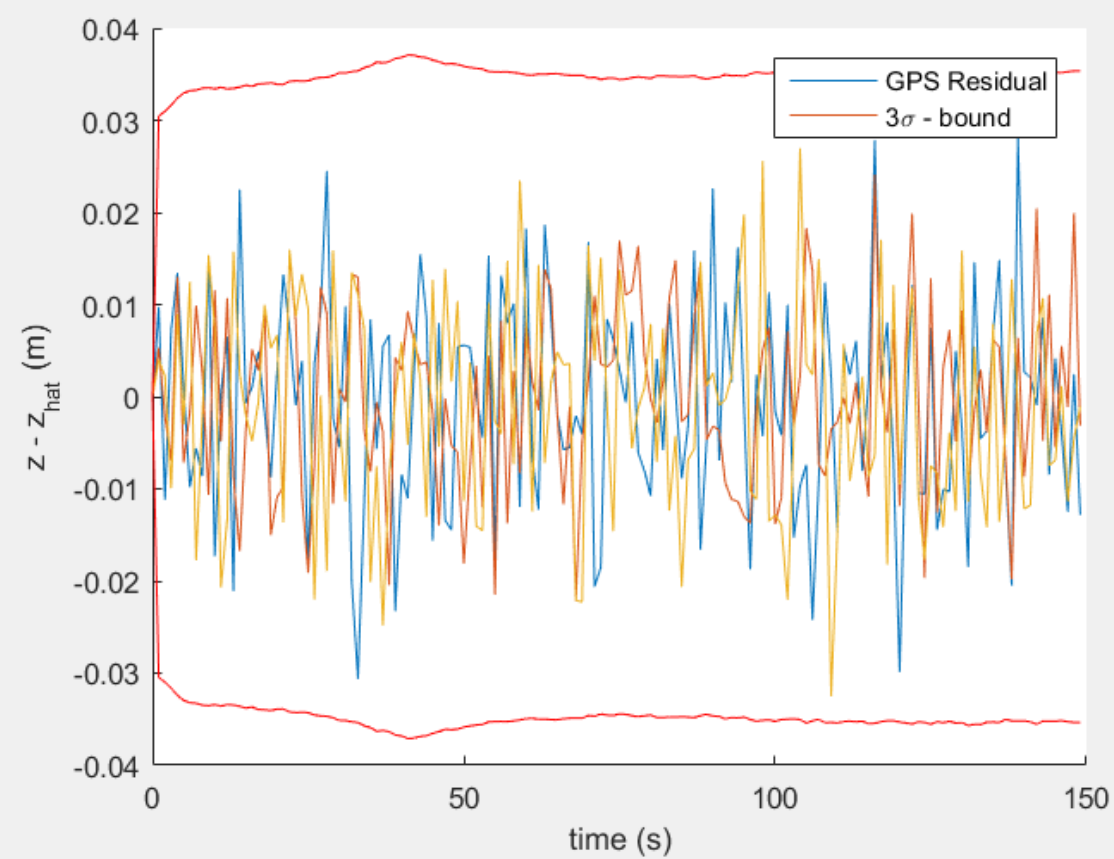
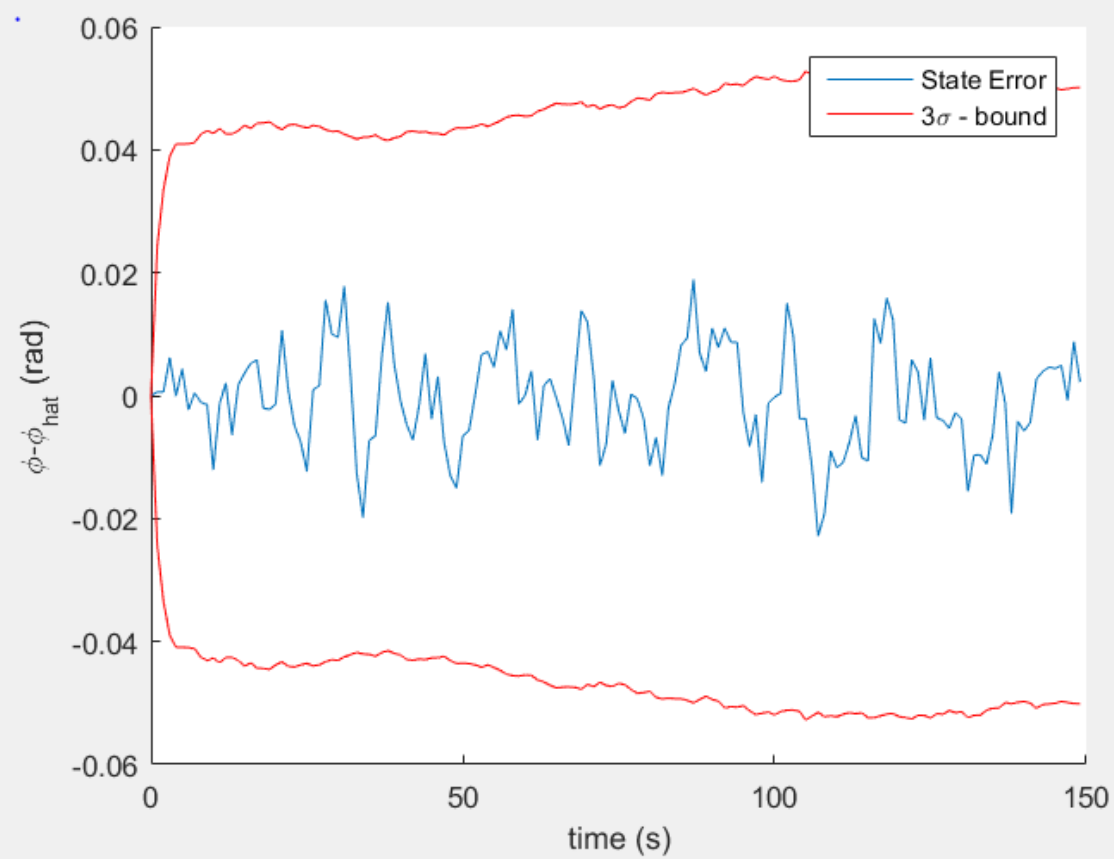
## Sensing and Estimation in Robotics

### Assignment 3

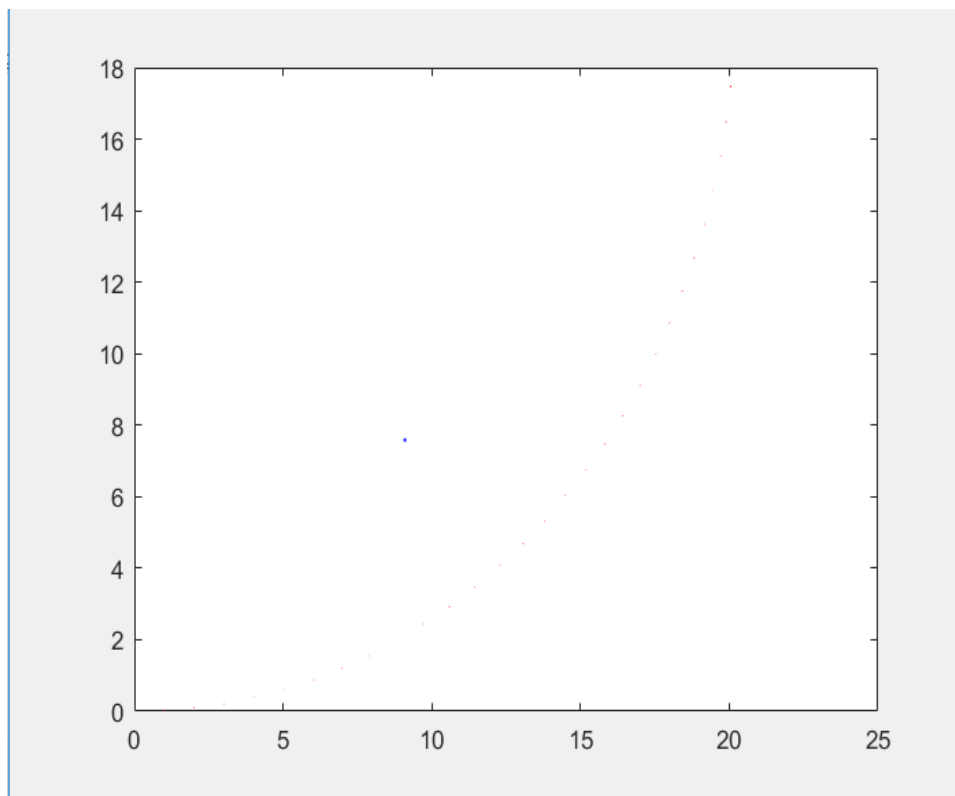
#### 1. Distance only measurements



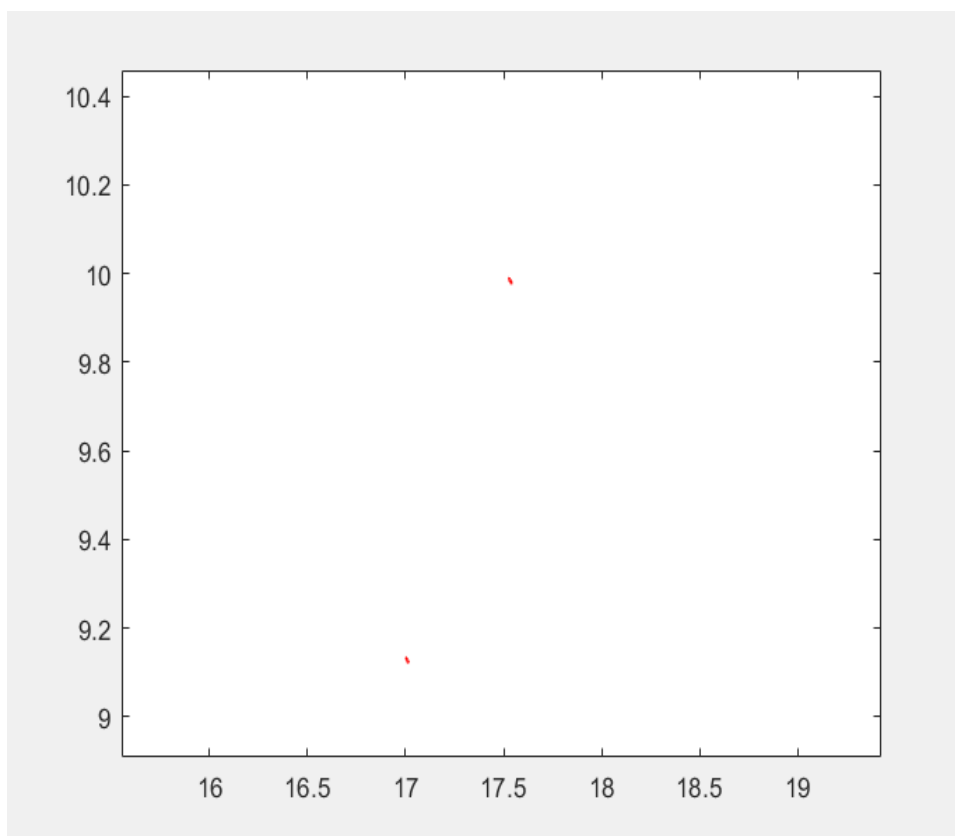




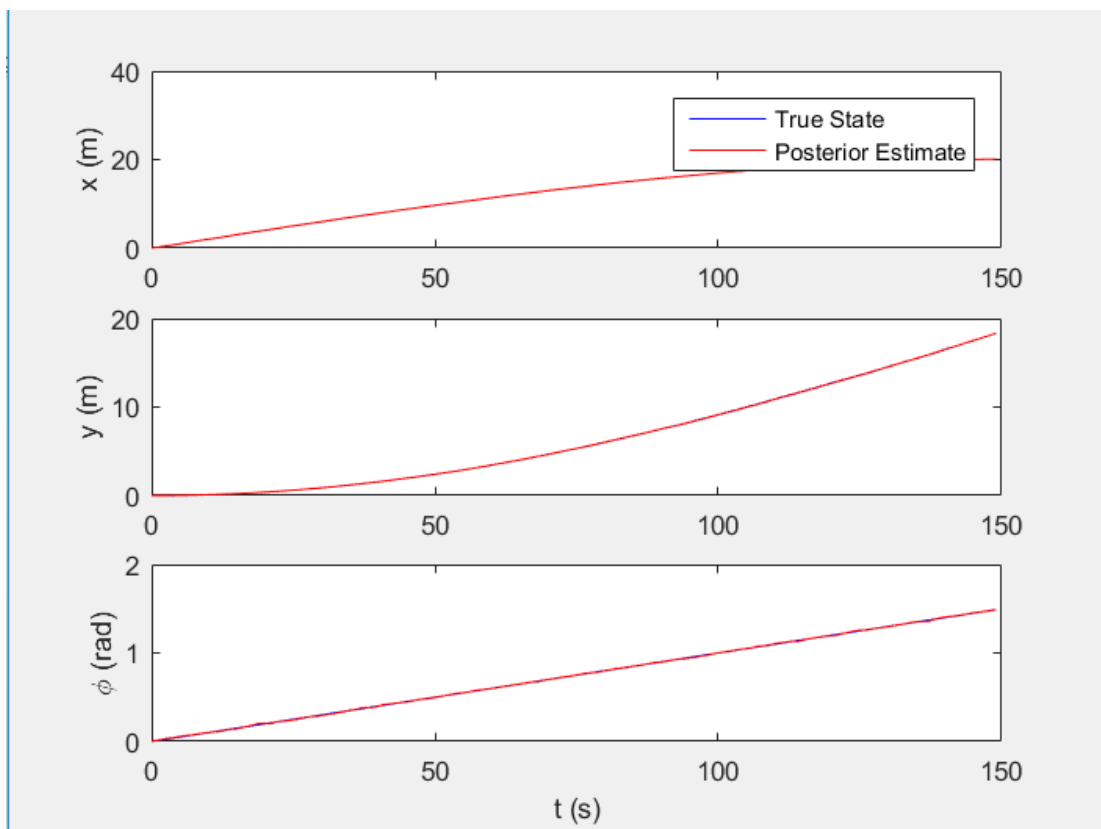
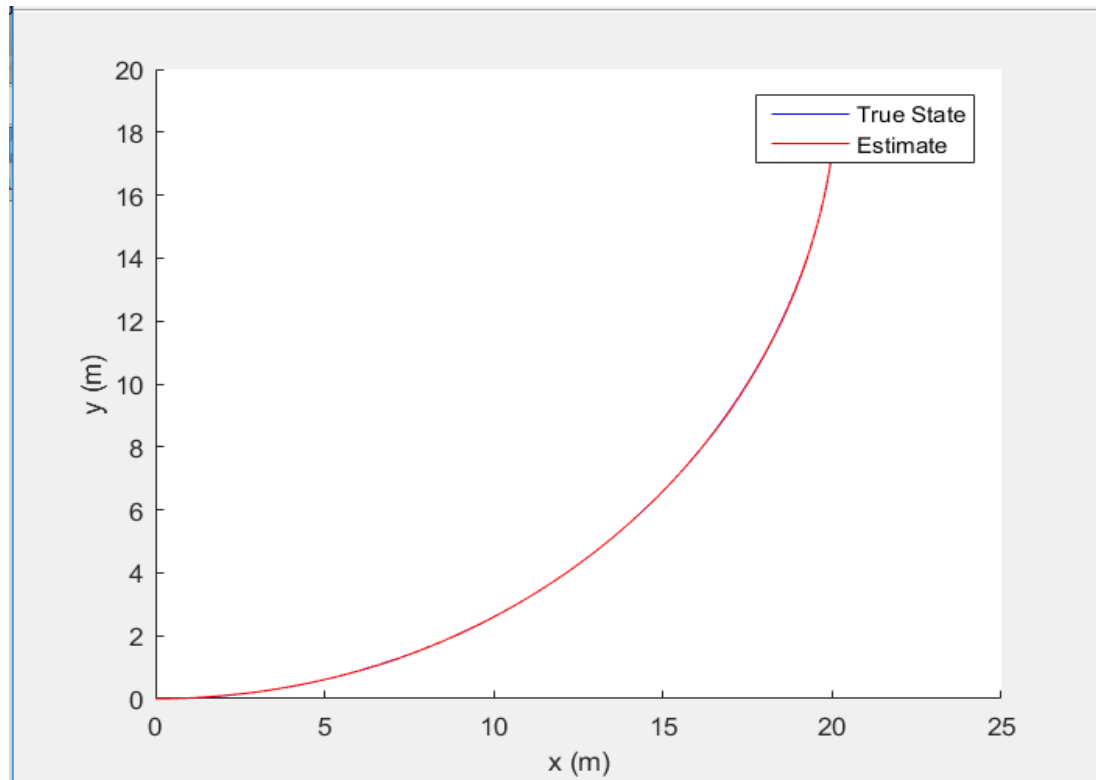
Error Ellipse

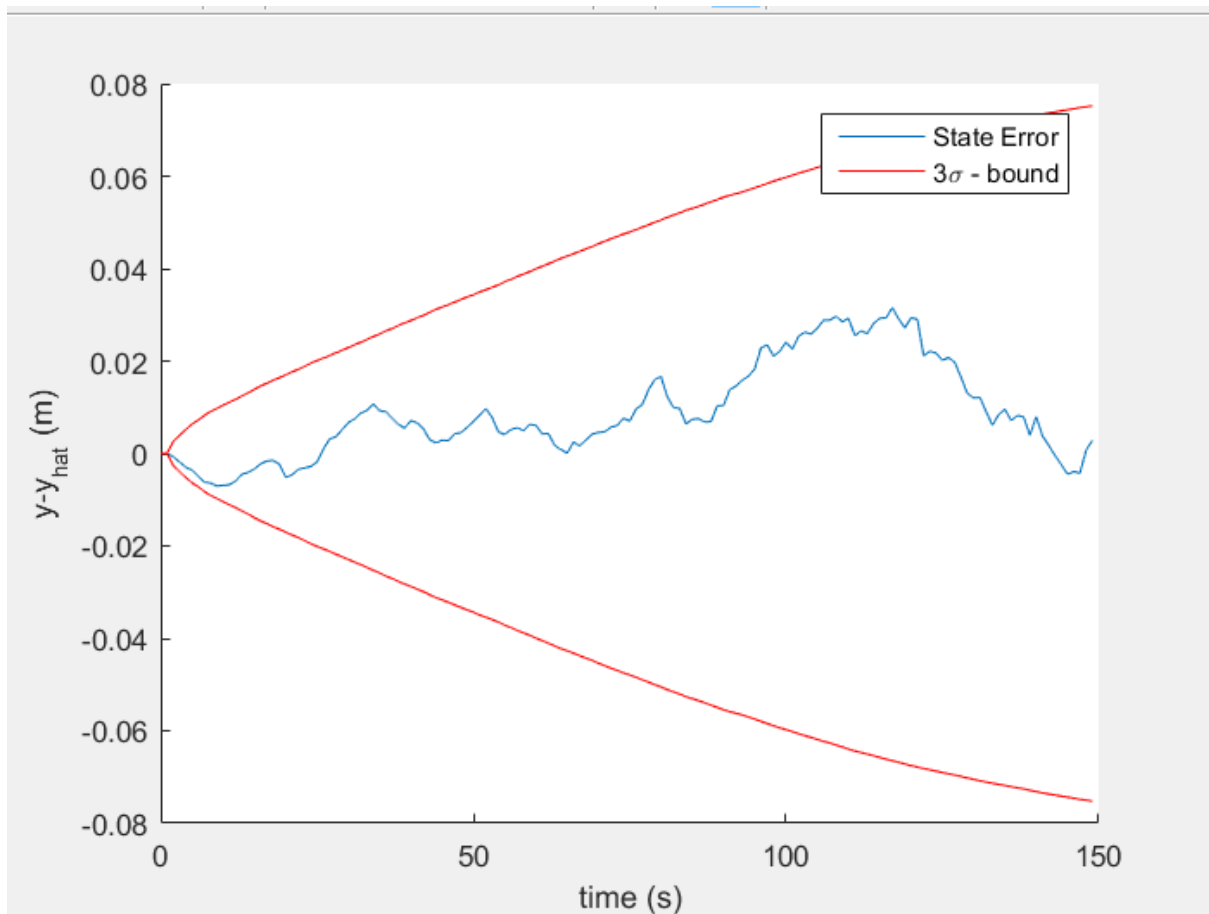
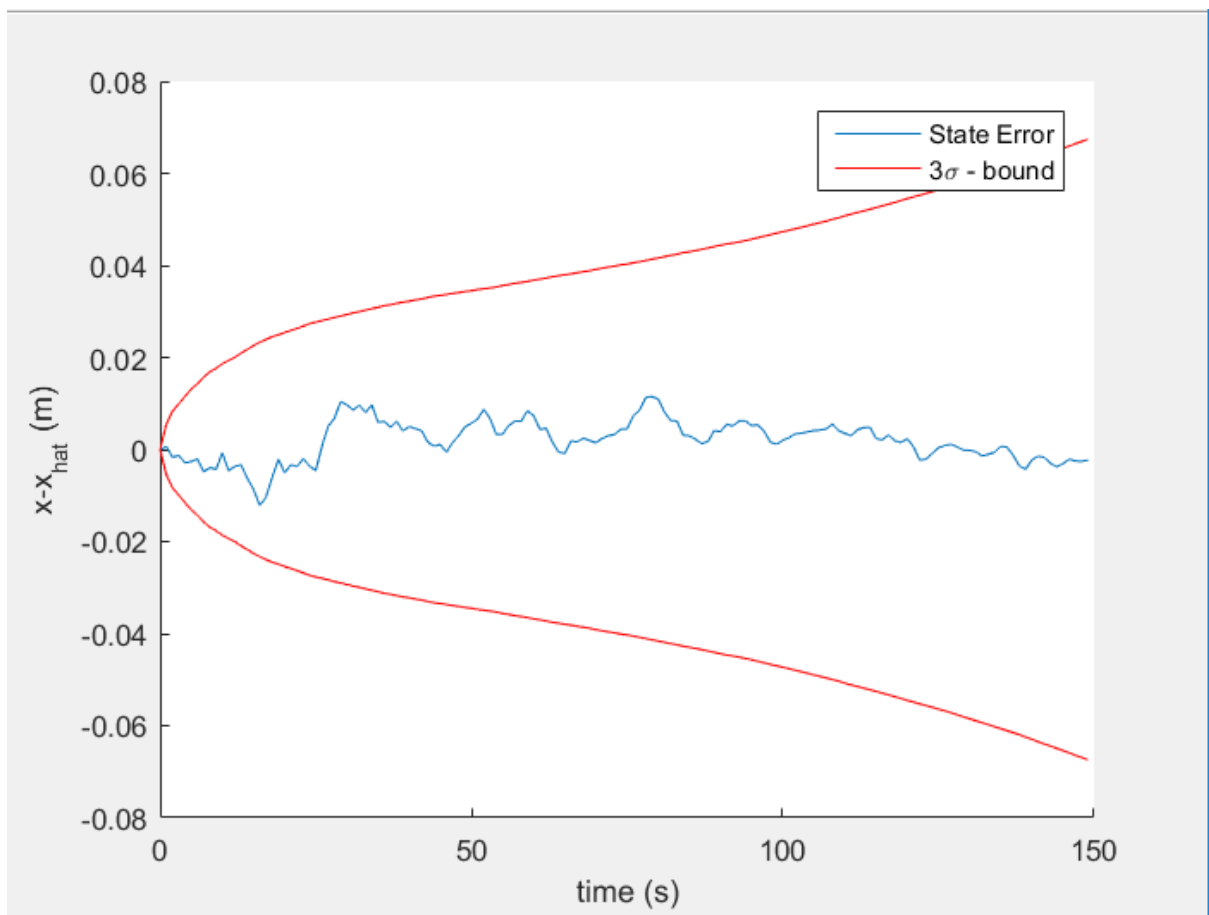


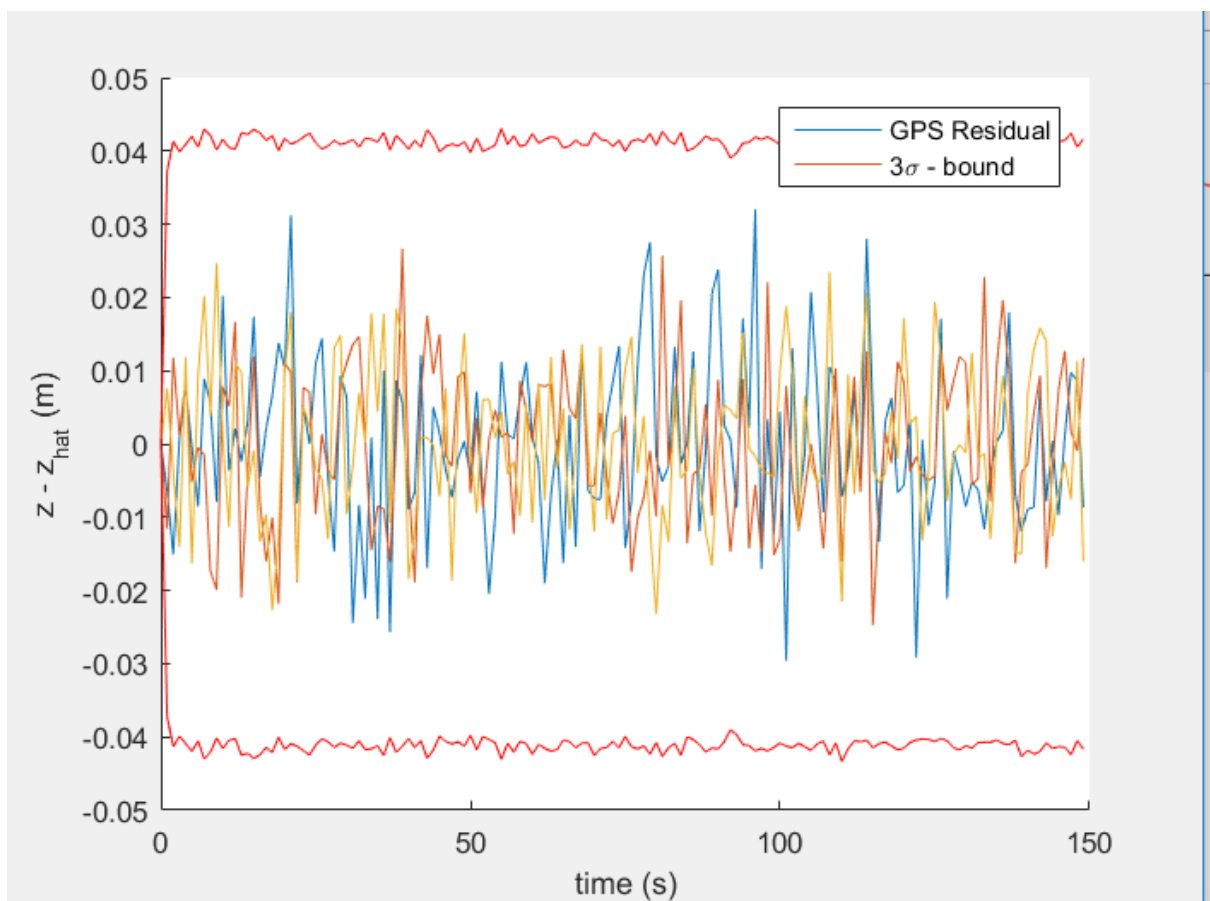
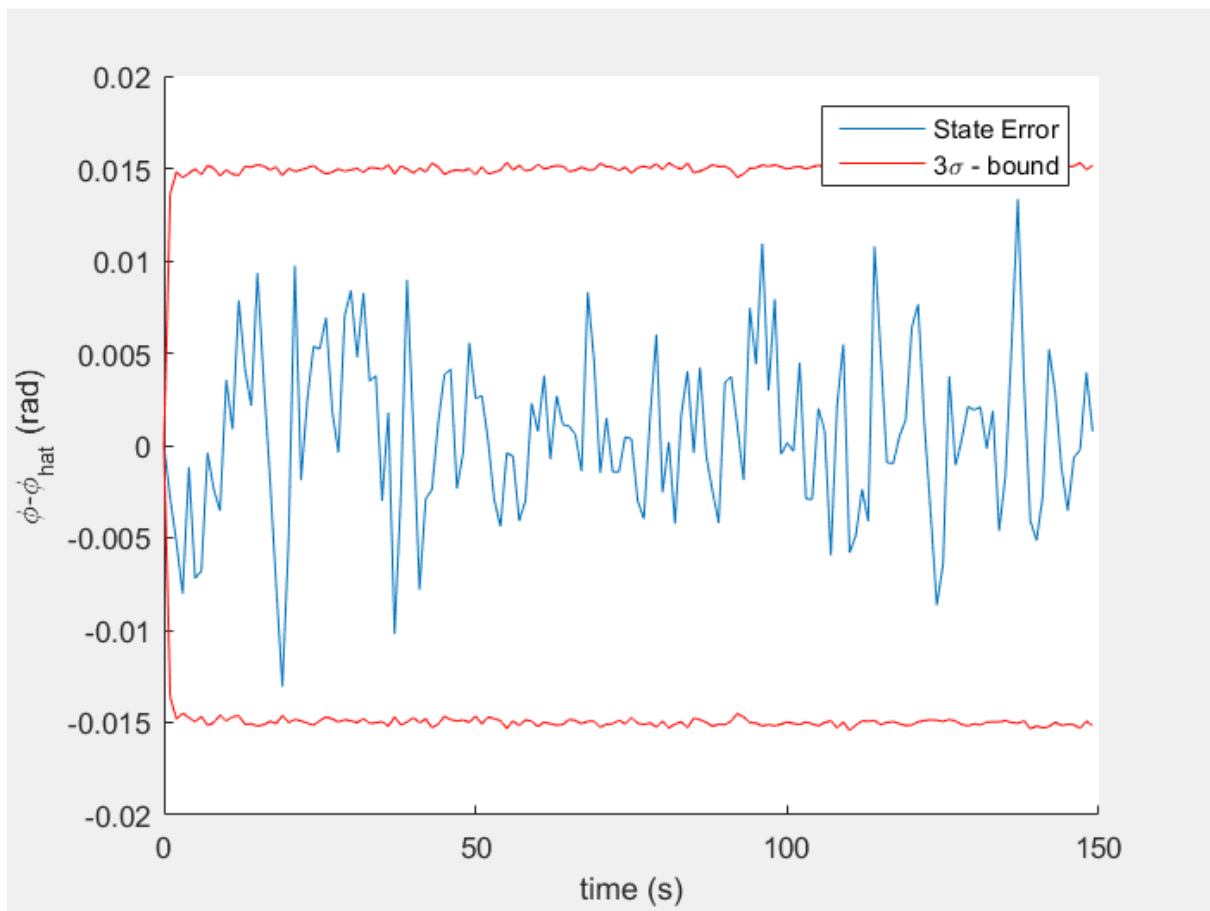
Zoomed in error ellipse



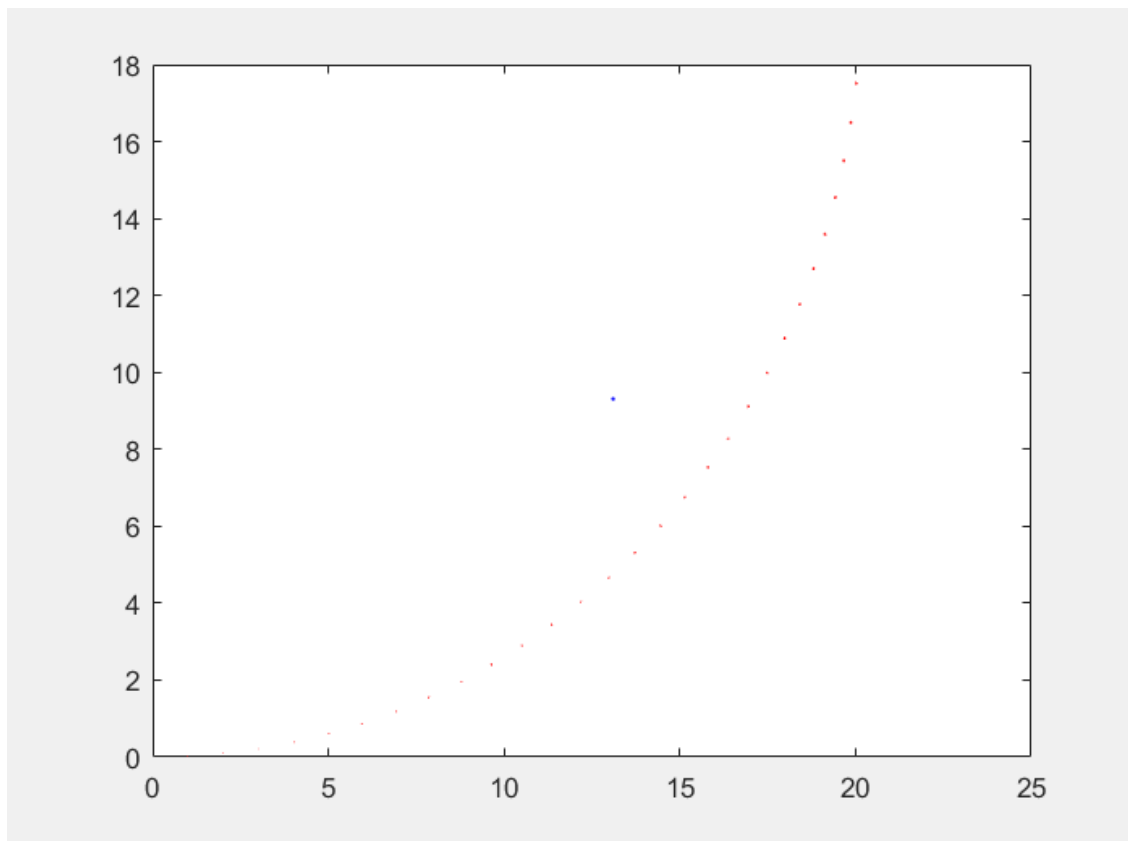
## 2. Bearing only measurement



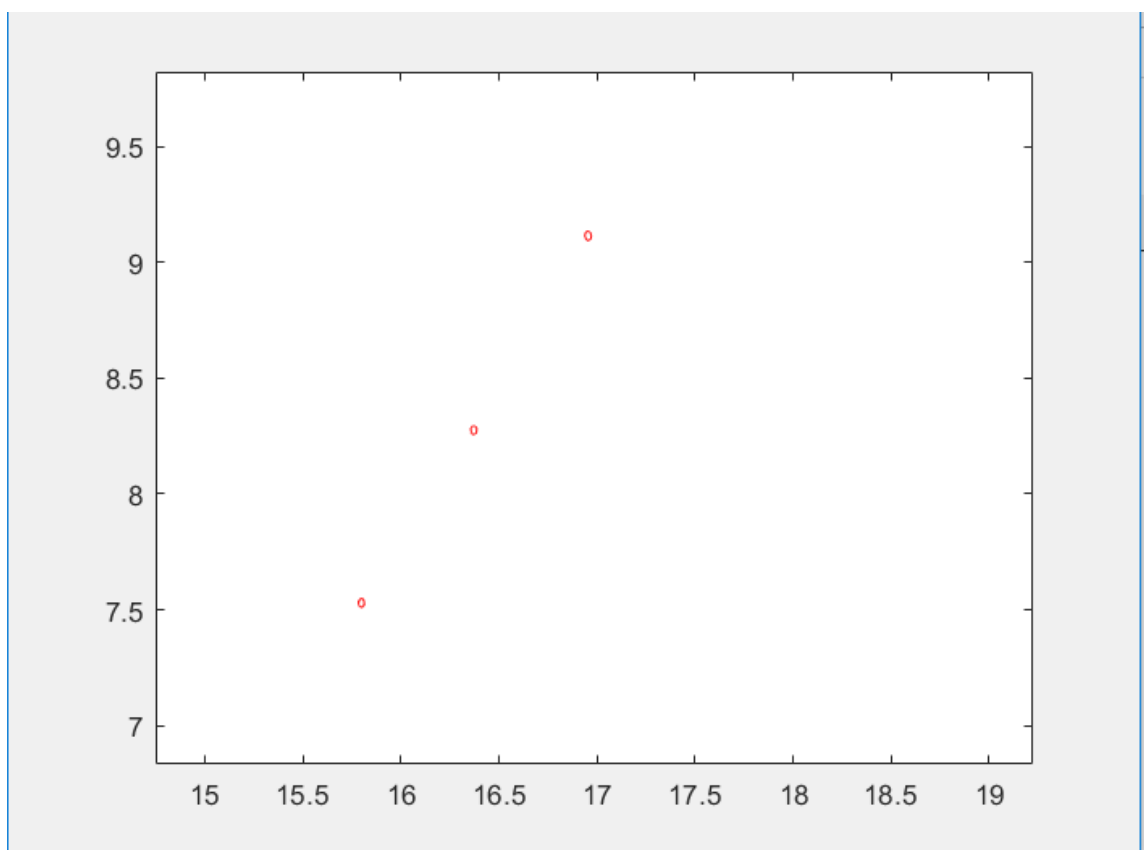




Error Ellipse

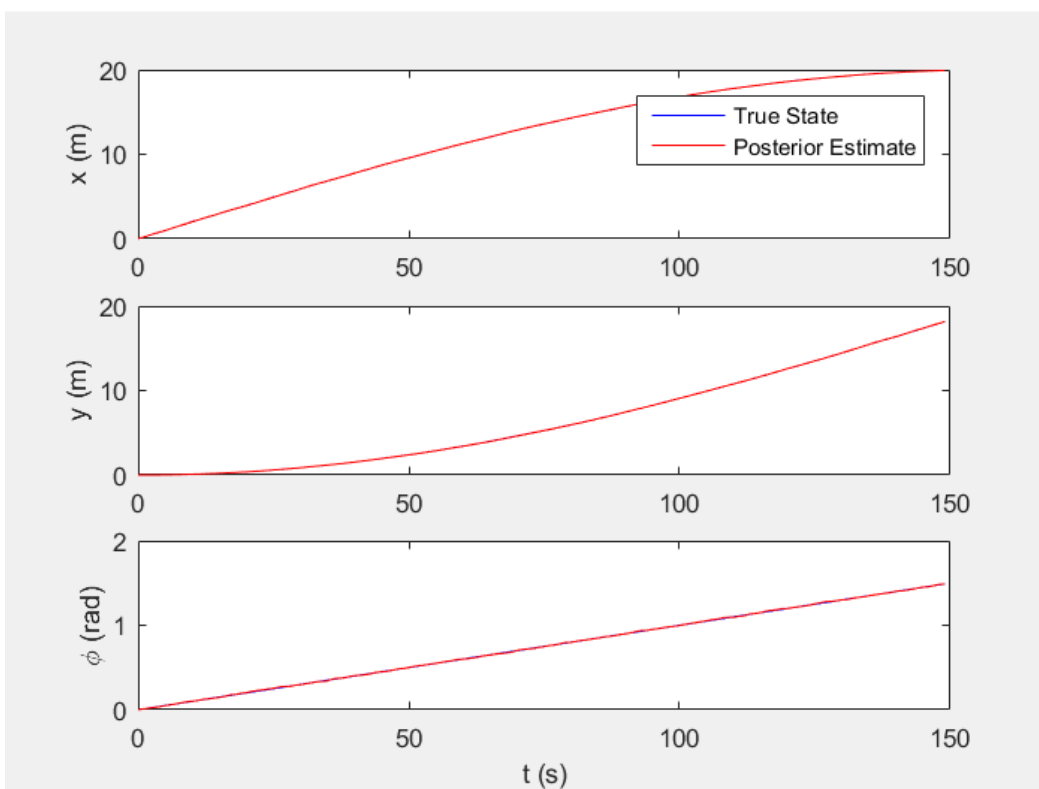
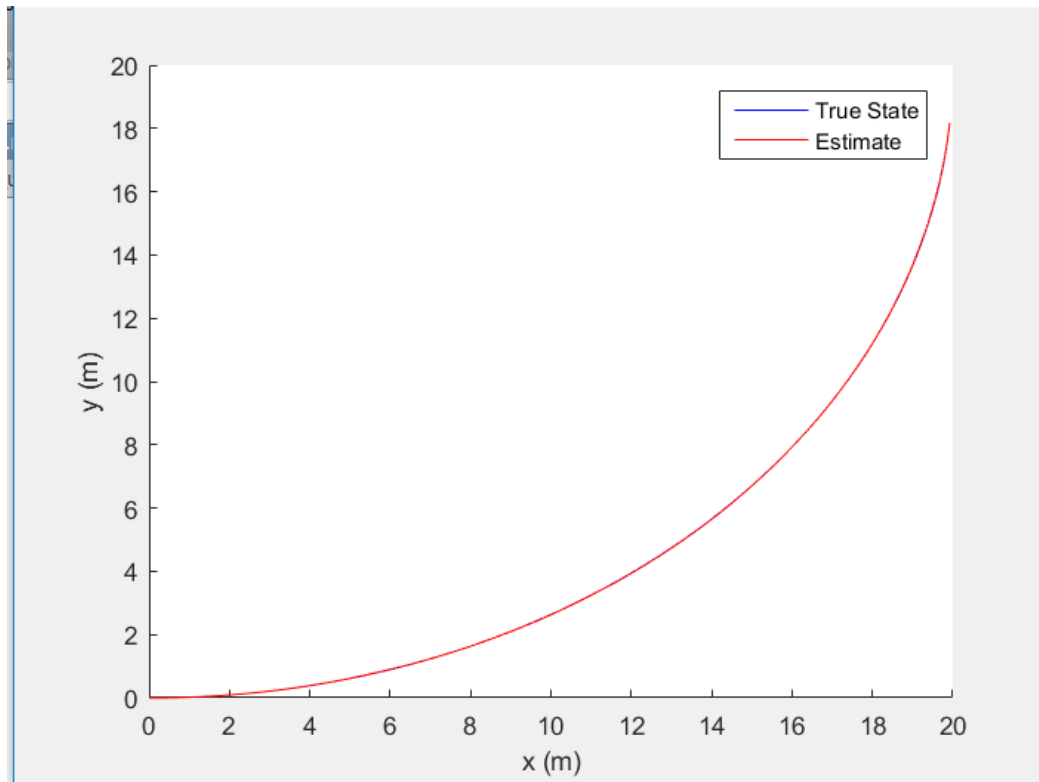


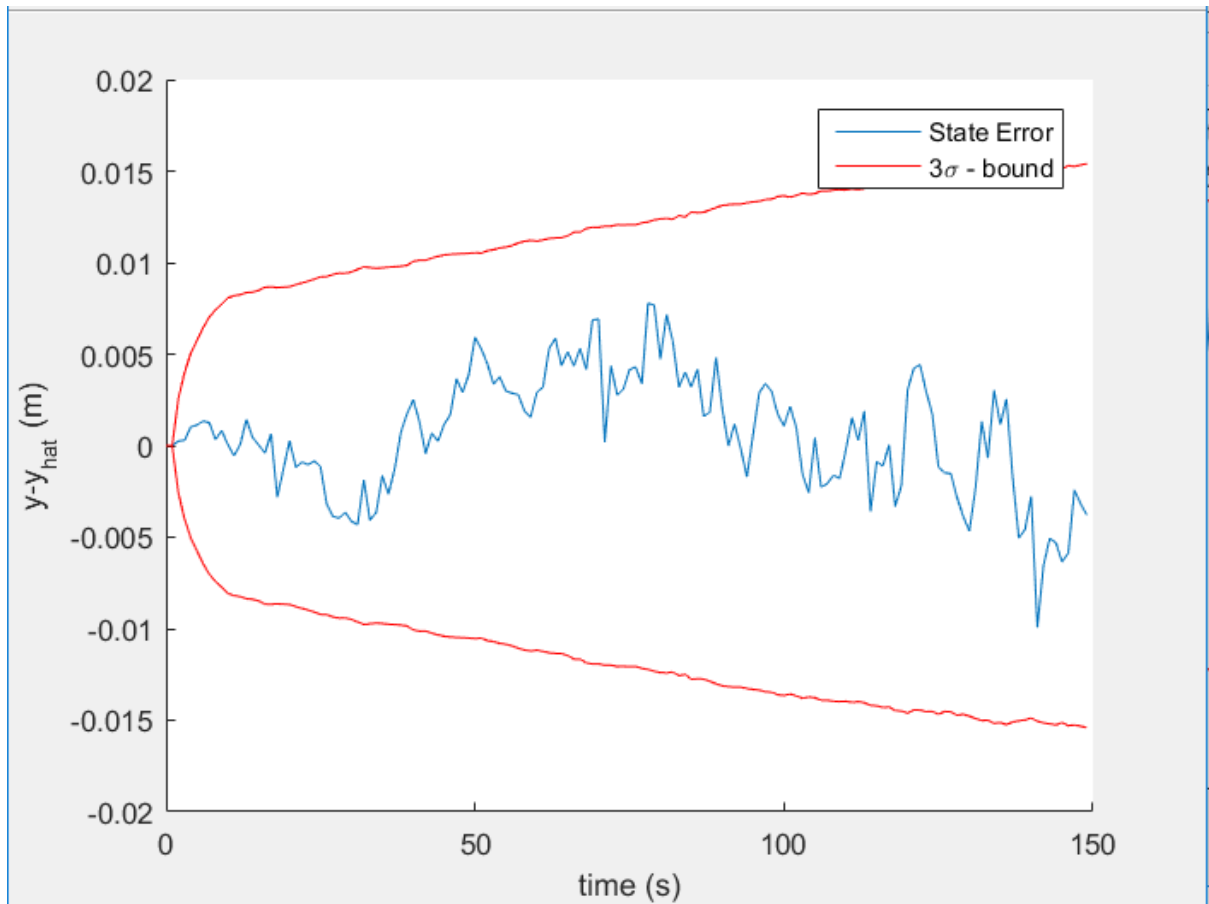
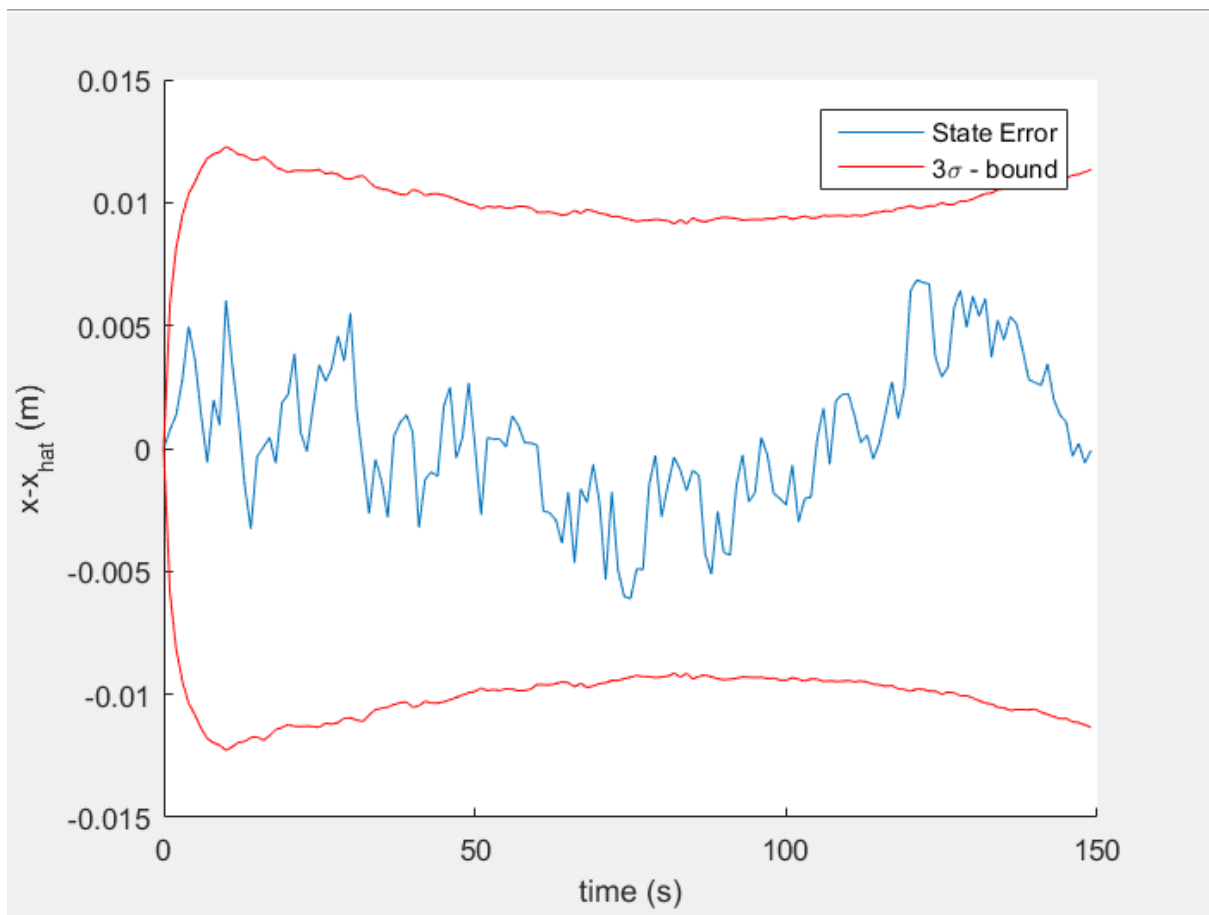
Zoomed in Error Ellipse

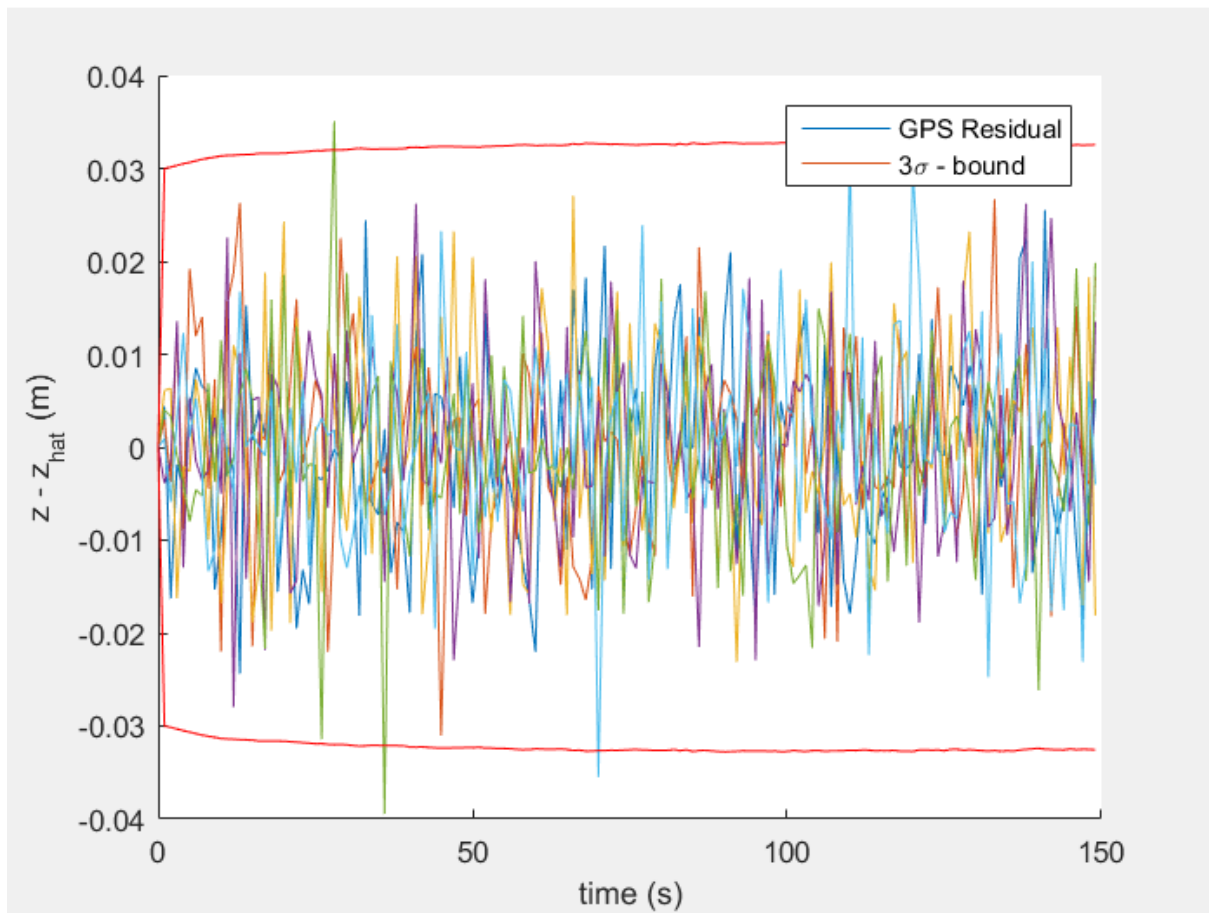
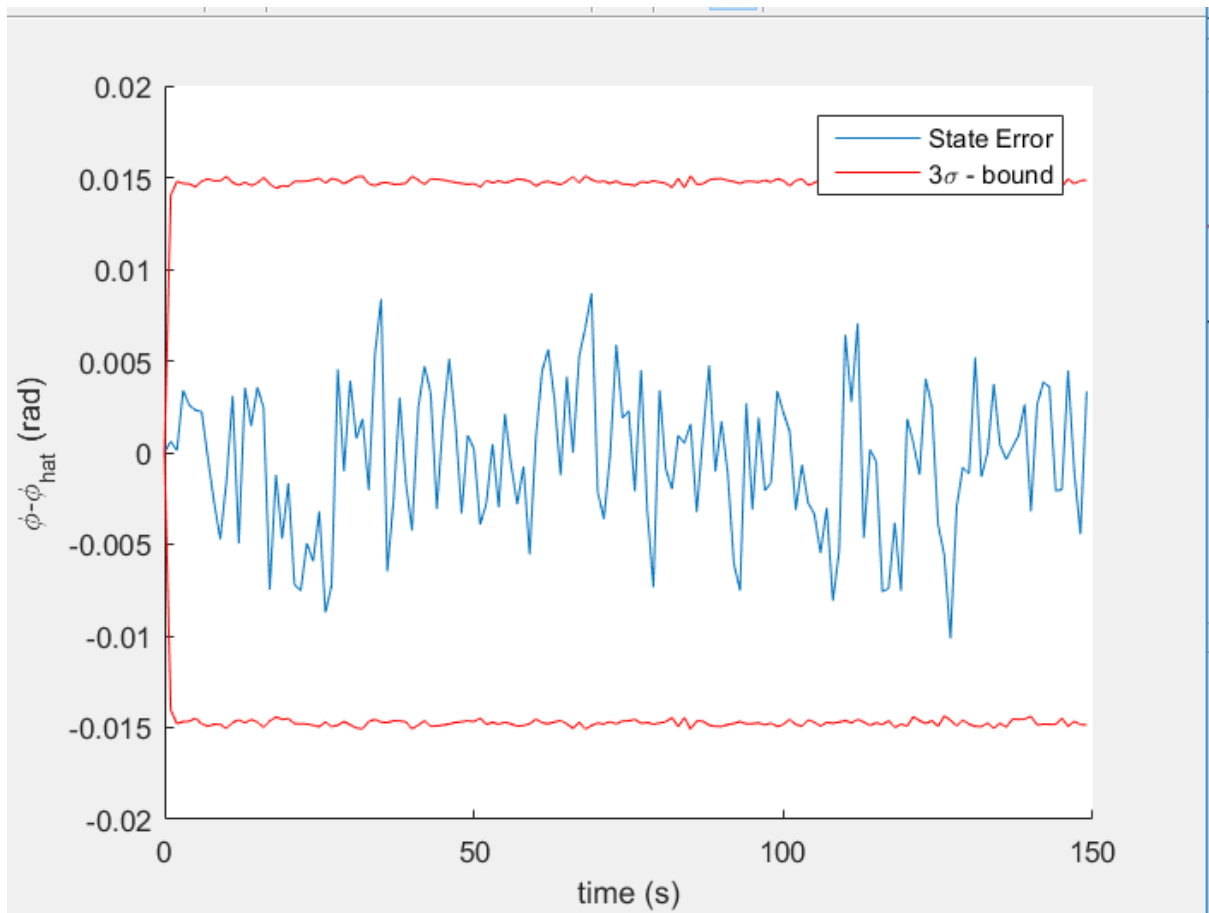




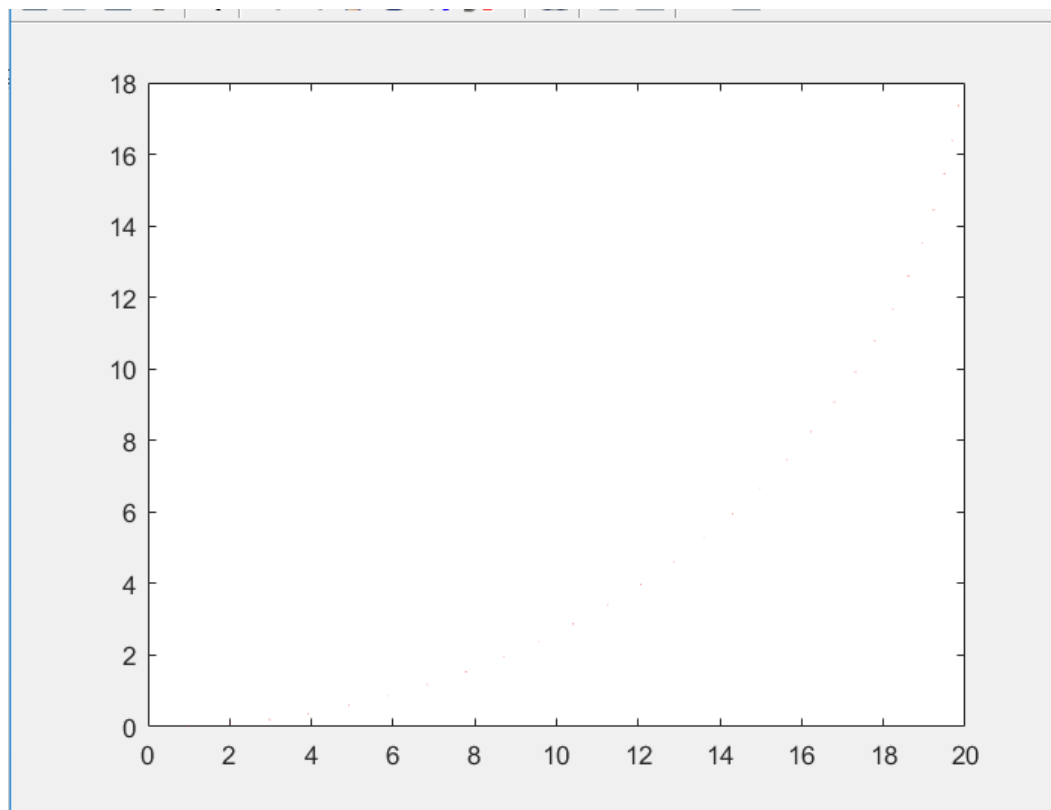
### 3. Distance and Bearing Measurement



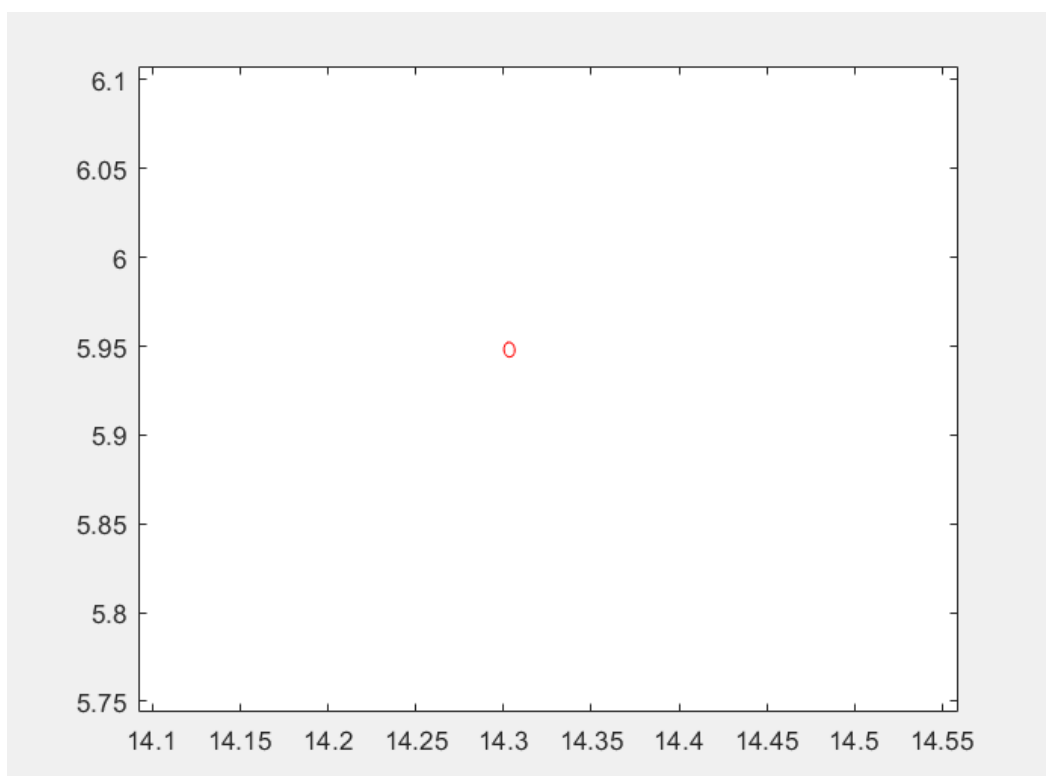




Error Ellipse

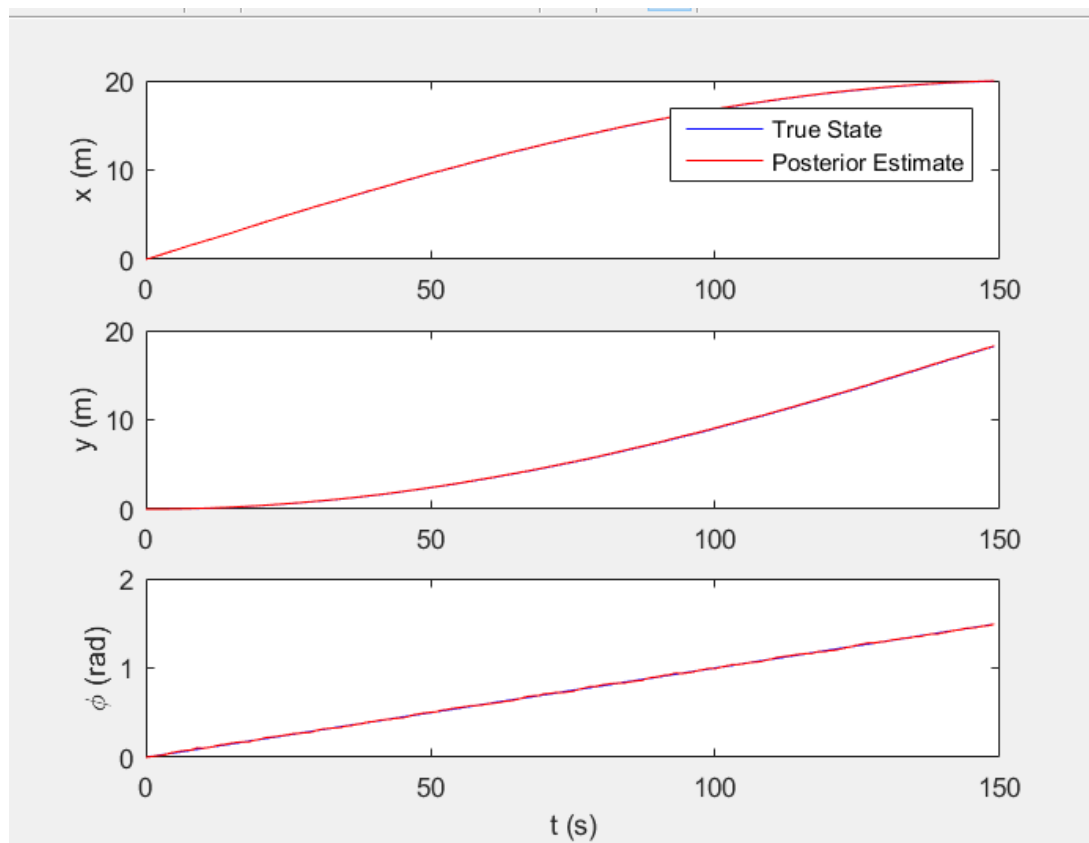
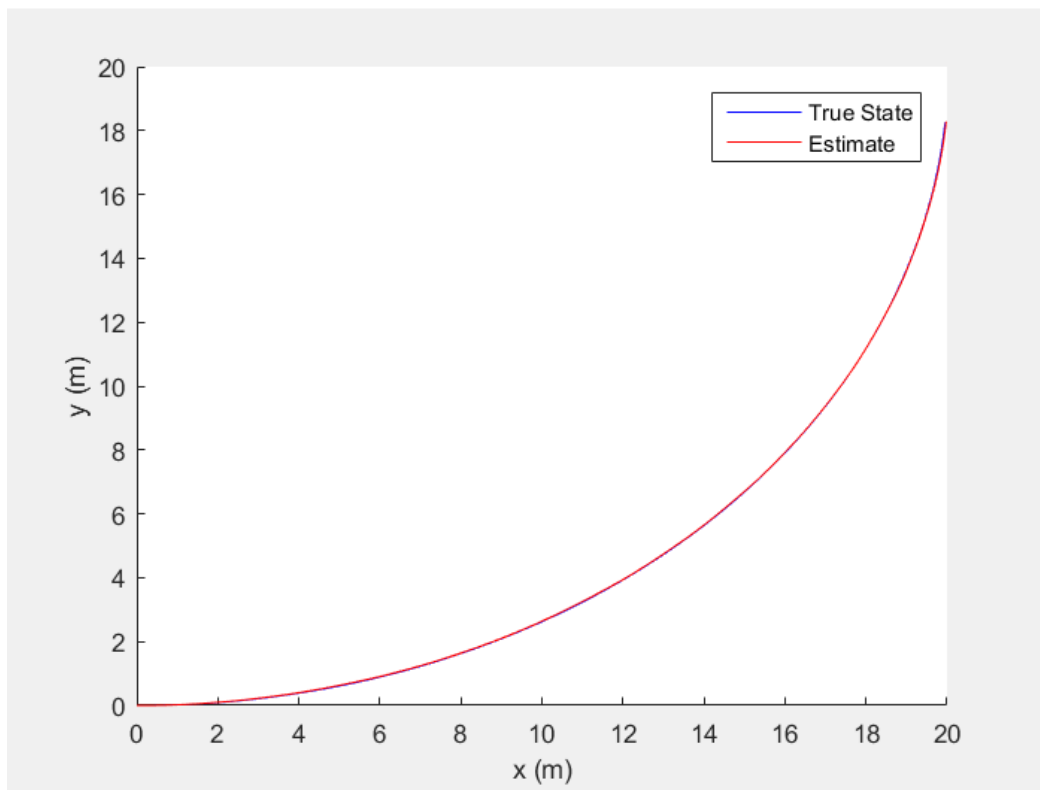


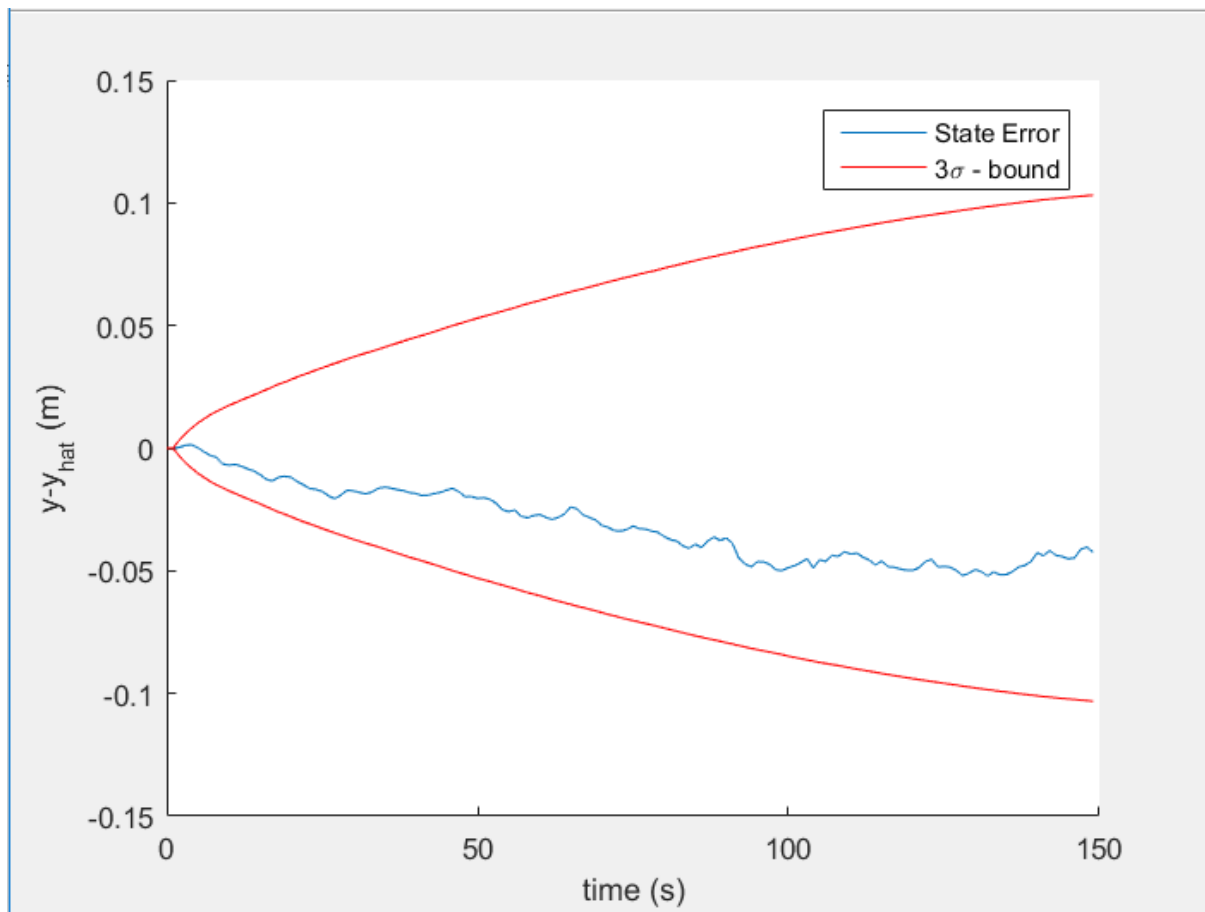
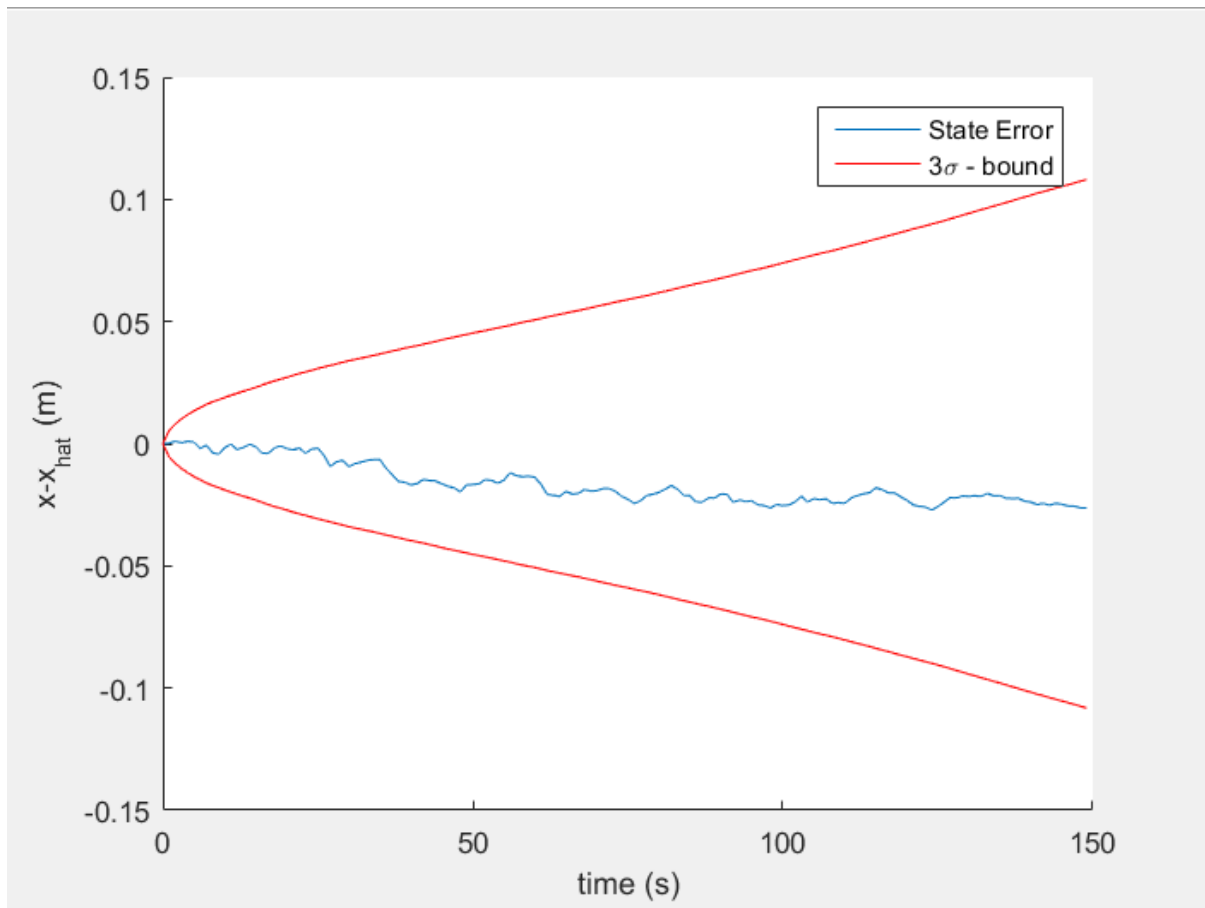
Error Ellipse (Zoomed In)

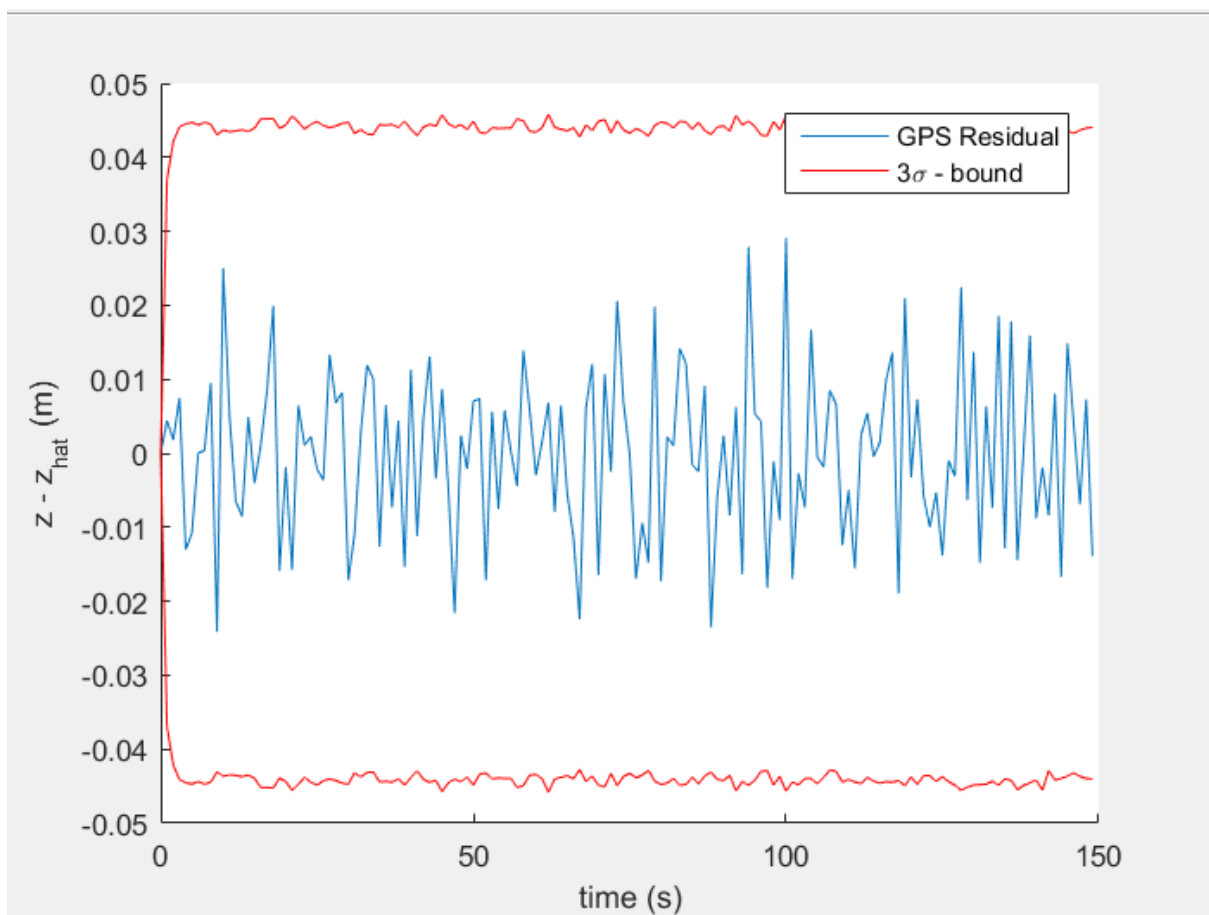
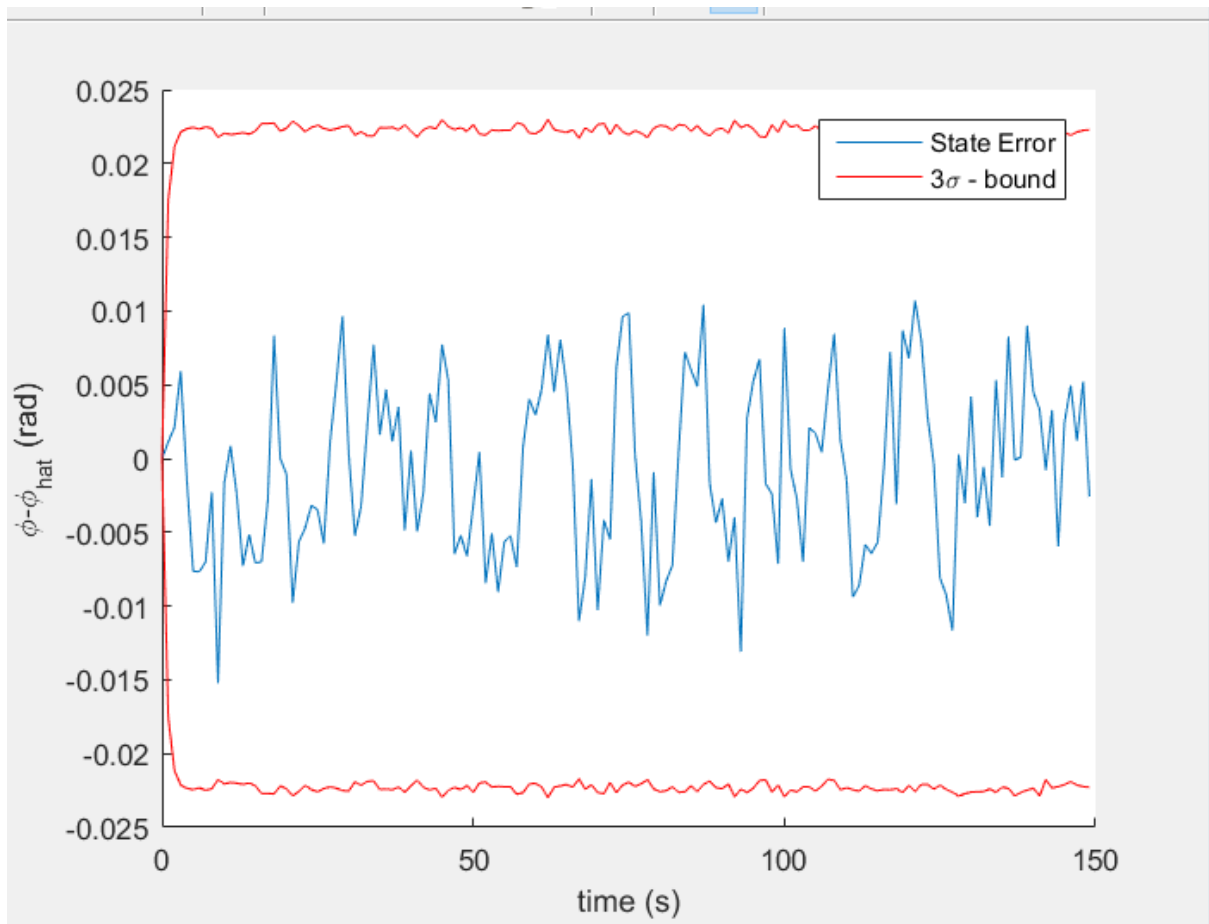


### Extra Credit

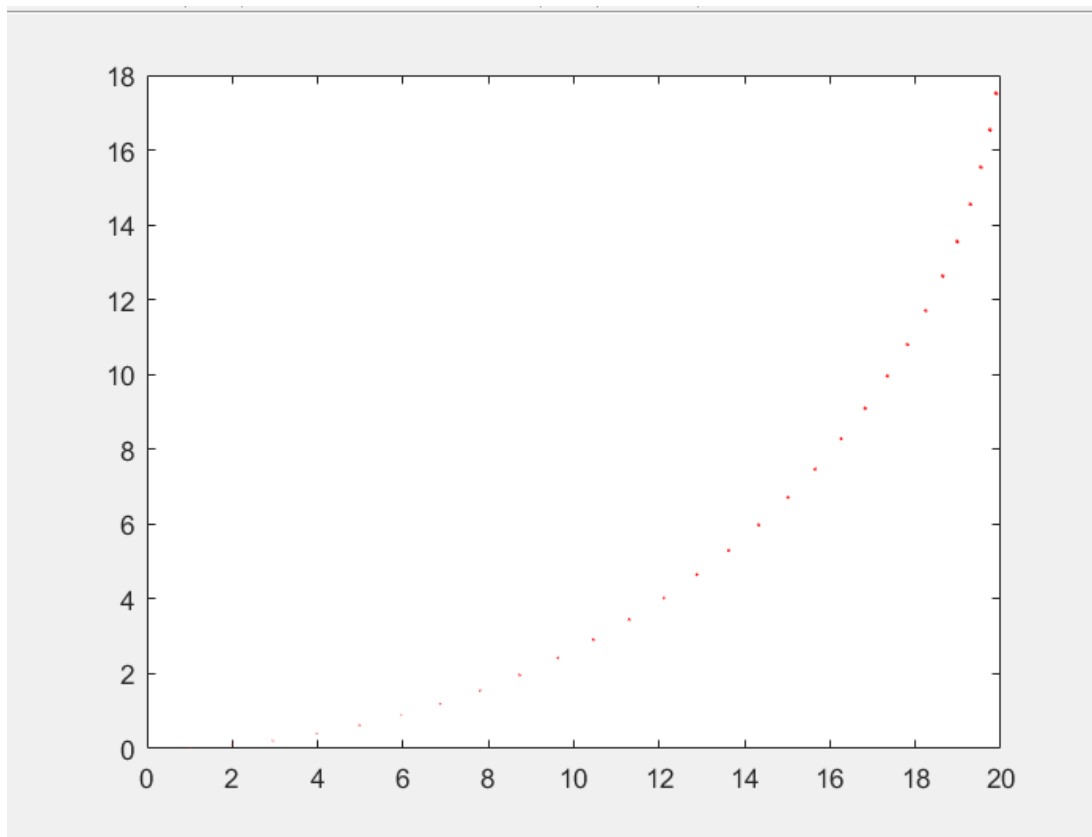
Bearing only measurement with one landmark.







Error Ellipse



Error Ellipse – Zoomed In

