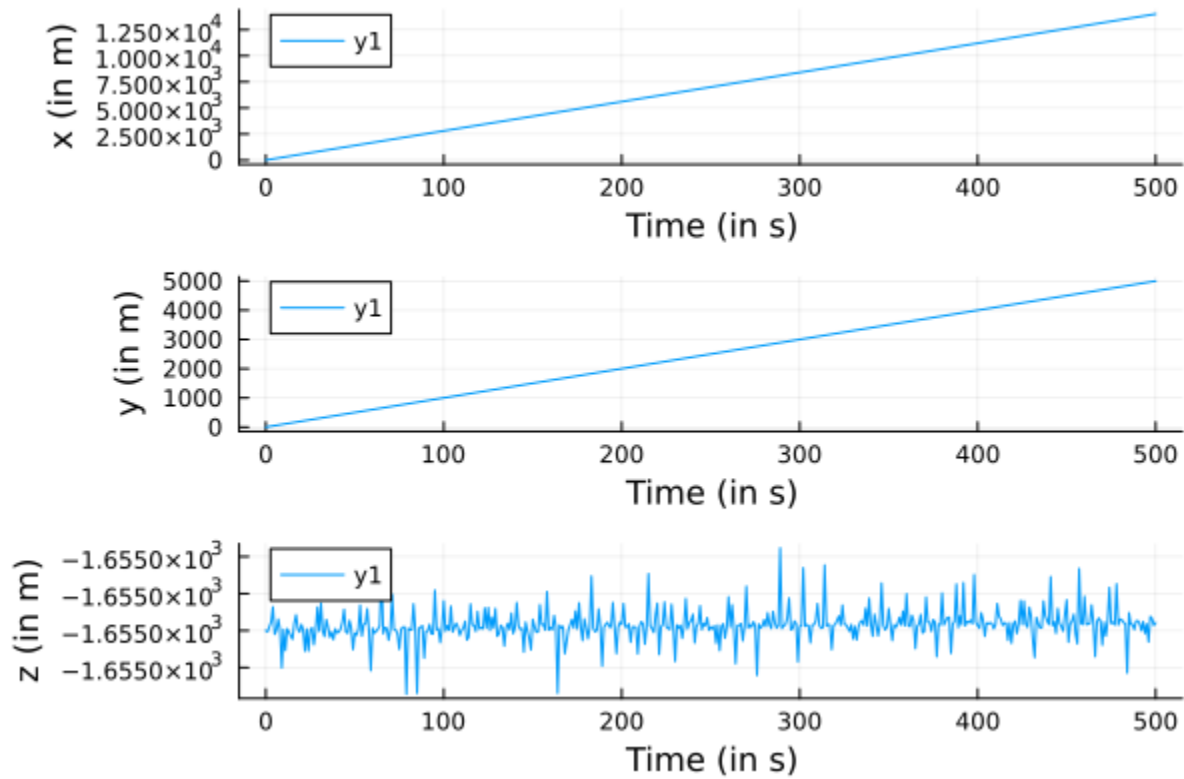
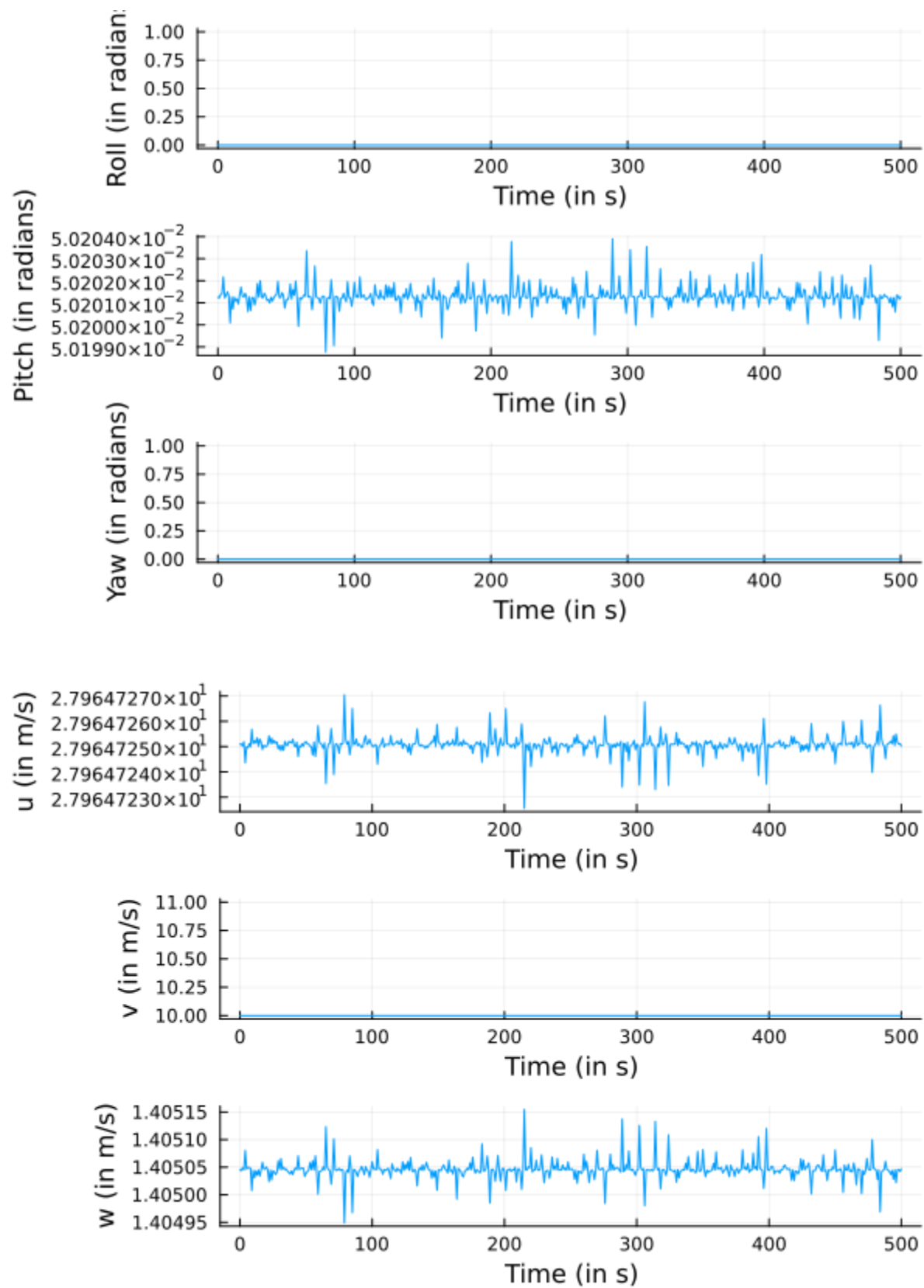
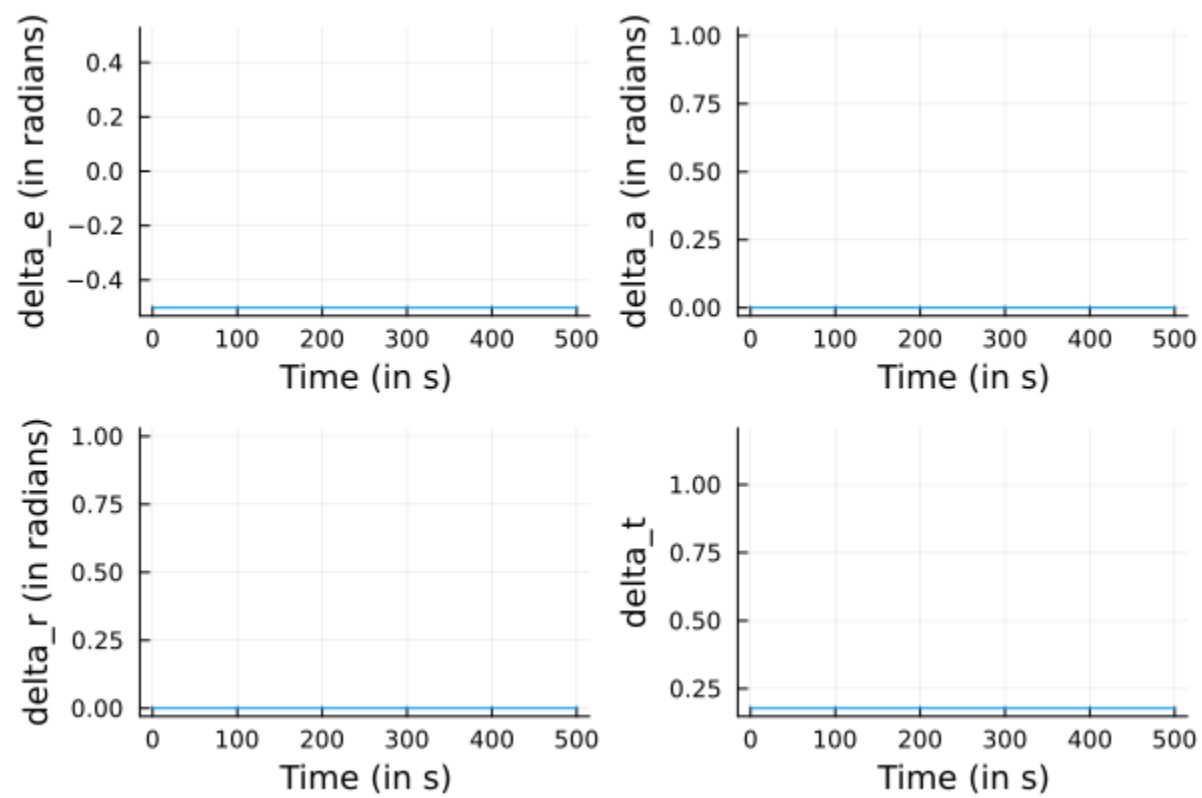
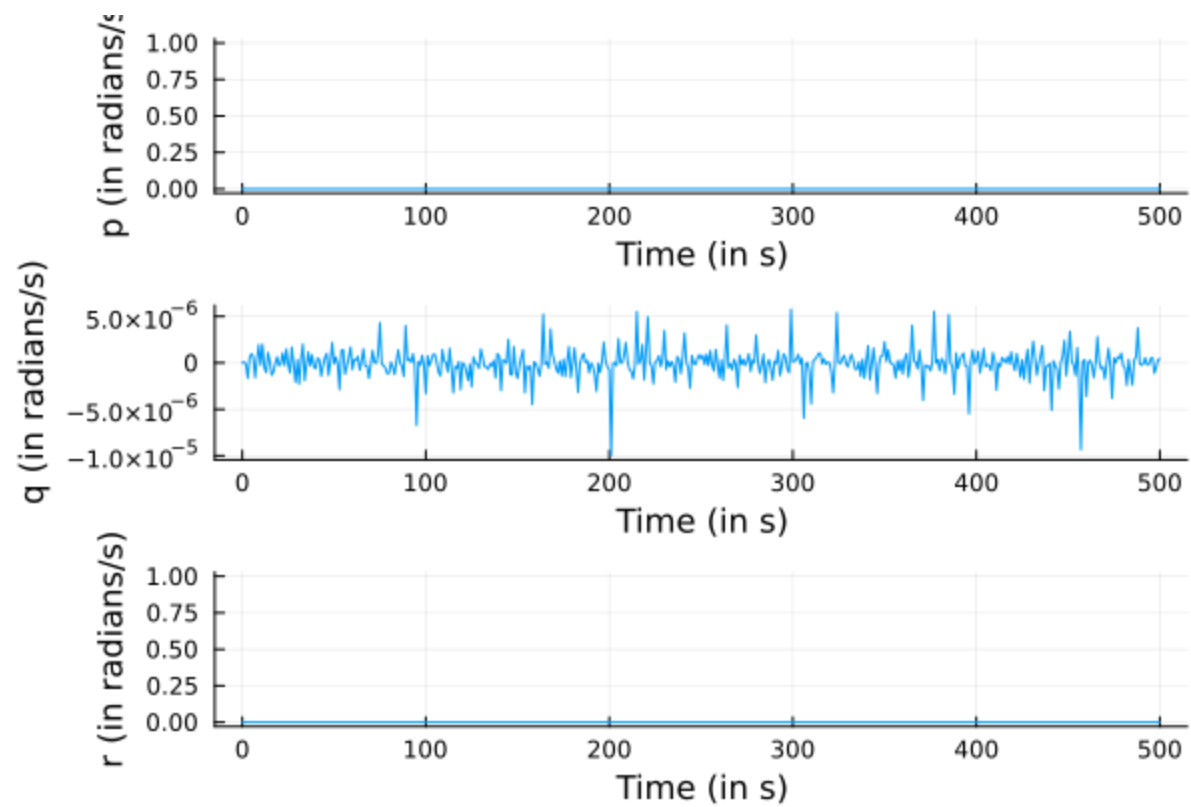
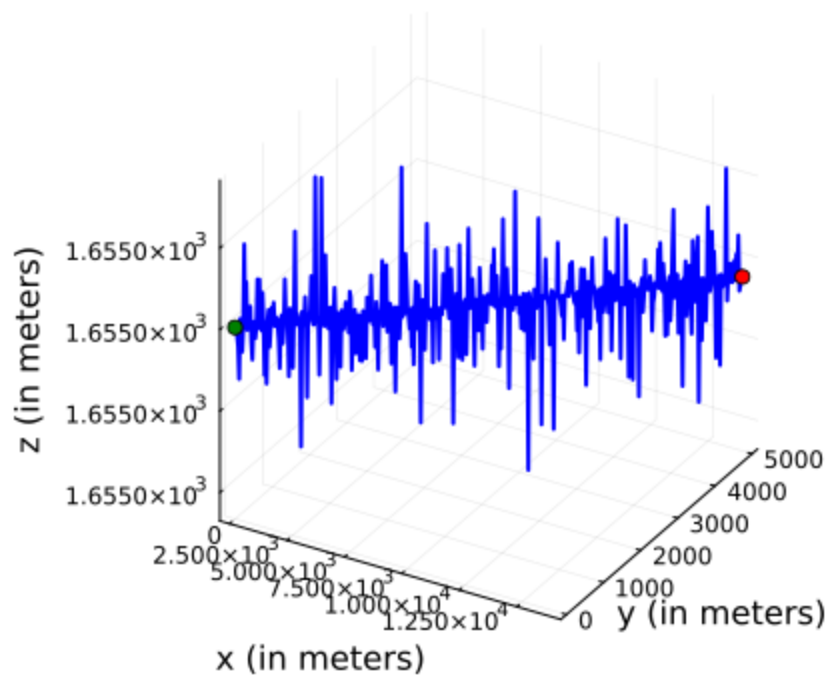


## Solution Plots from Problem 3.2 in HW3









Starting (Trim) State:

0.0  
 0.0  
 -1655.0  
 0.0  
 0.050201252250689686  
 0.0  
 27.964725088966553  
 10.0  
 1.405044731858965  
 0.0  
 0.0  
 0.0

Trim Controls:

-0.5021558030179929  
 0.0  
 0.0  
 0.17764553656958398

Trim Variables:

0.050201252250689686

-0.5021558030179929

0.17764553656958398

The velocity component in the start state is augmented with the inertial wind velocity expressed in the body frame to get the inertial aircraft velocity in the body frame. This is done because the trim condition is computed using the air-relative velocity vector, not the inertial aircraft velocity.