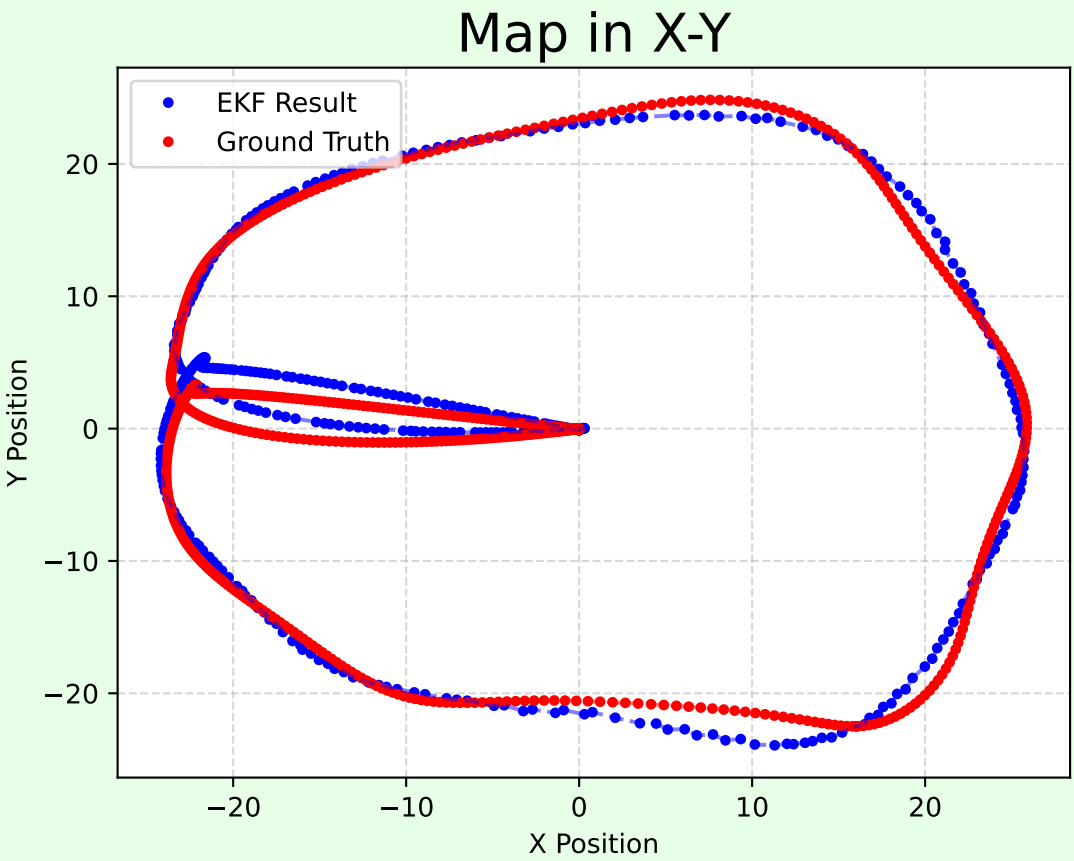
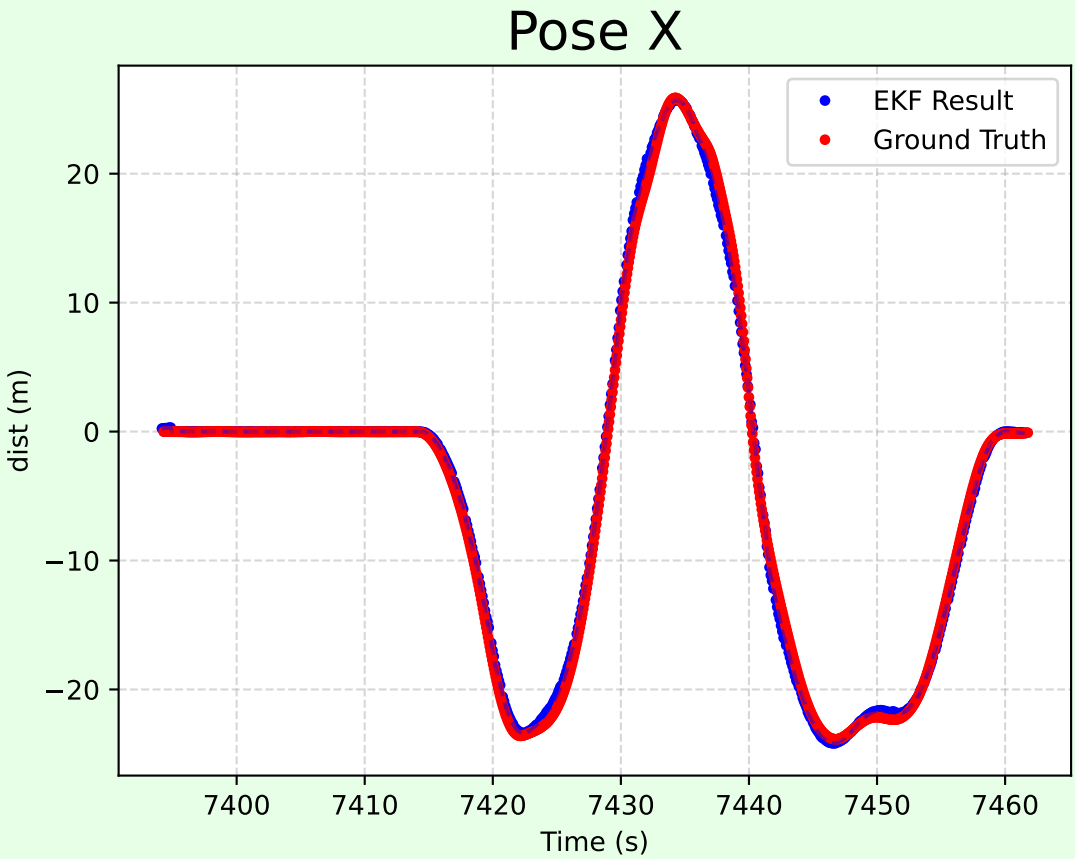
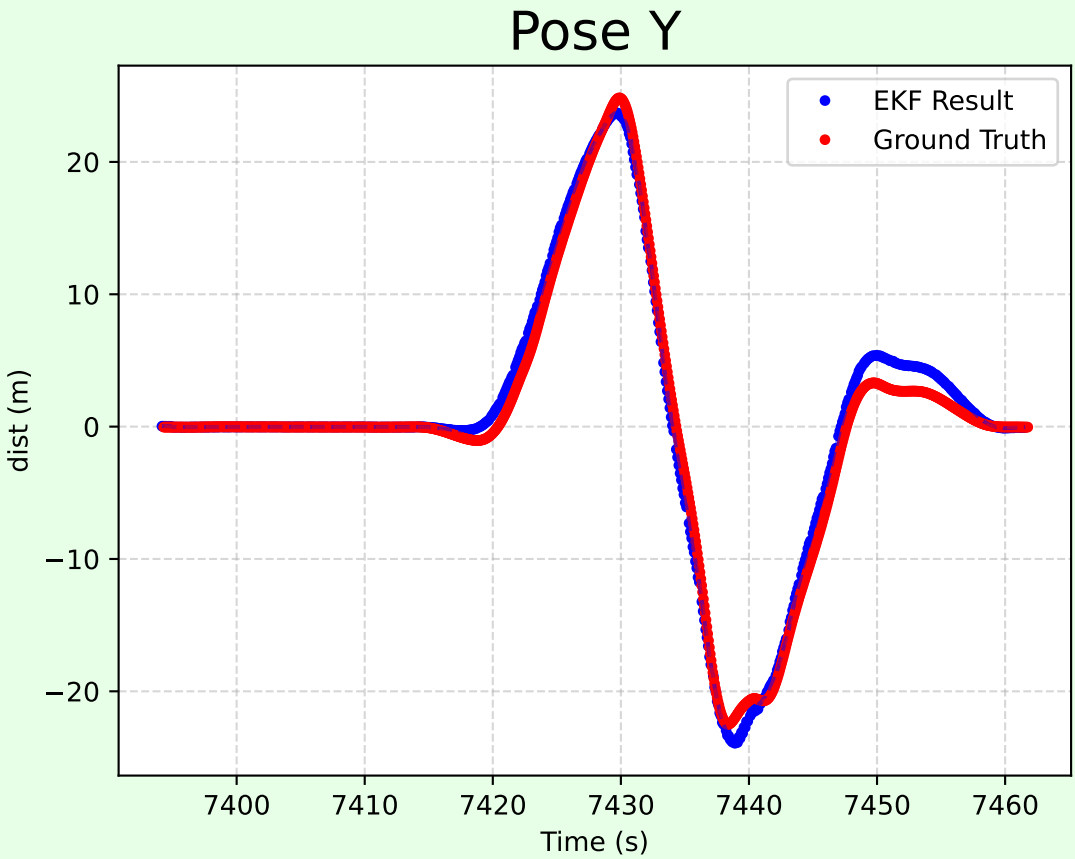
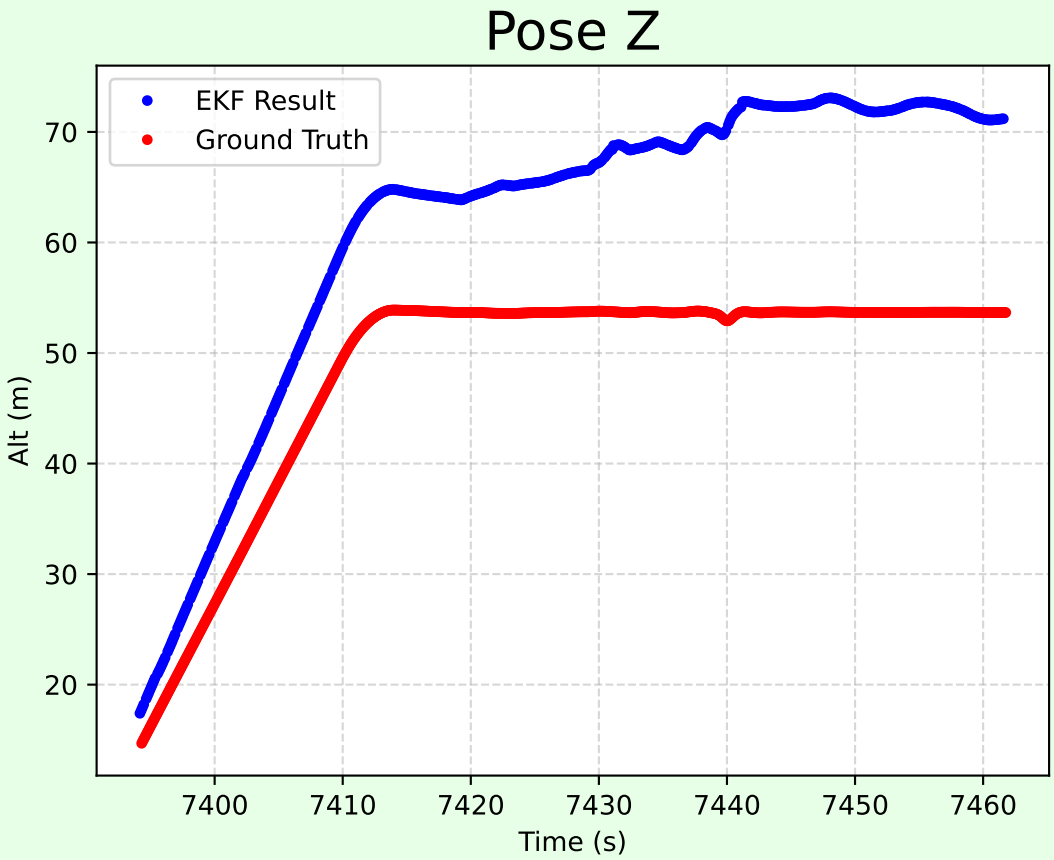

Map in X-Y
EKF Result
Ground Truth
Y Position
X Position
20
10
0
−10
−20
−20
−10
0
10
20

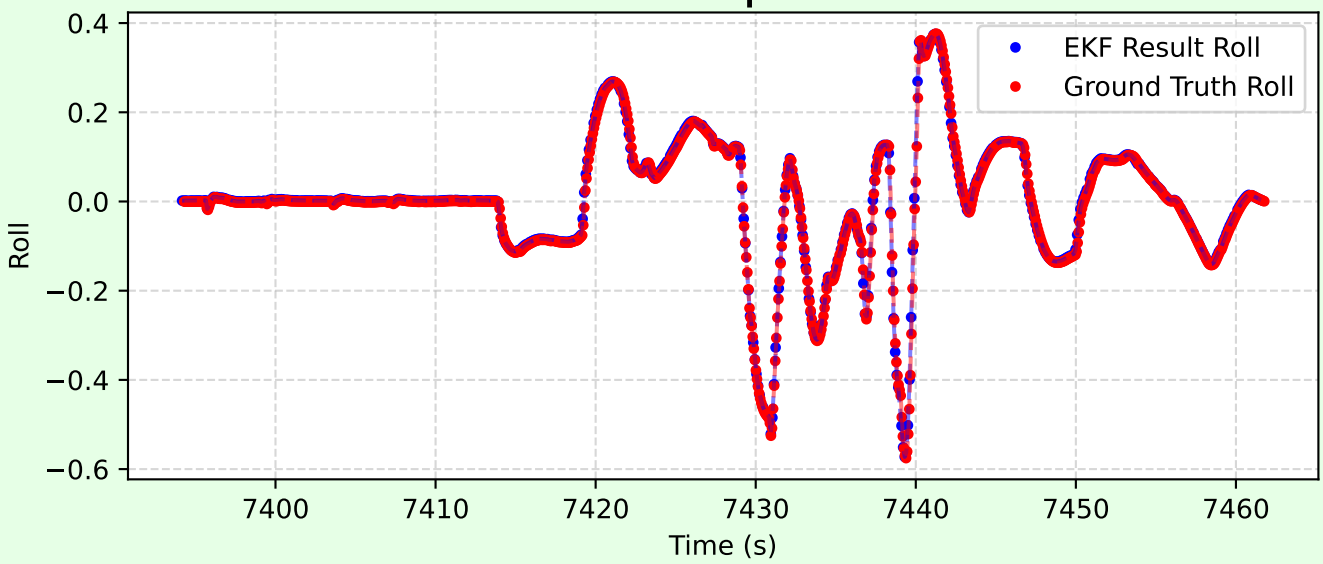

Pose X
EKF Result
Ground Truth
dist (m)
20
10
0
−10
−20
7400
7410
7420
7430
7440
7450
7460
Time (s)


Pose Y
EKF Result
Ground Truth
dist (m)
20
10
0
−10
−20
7400
7410
7420
7430
7440
7450
7460
Time (s)

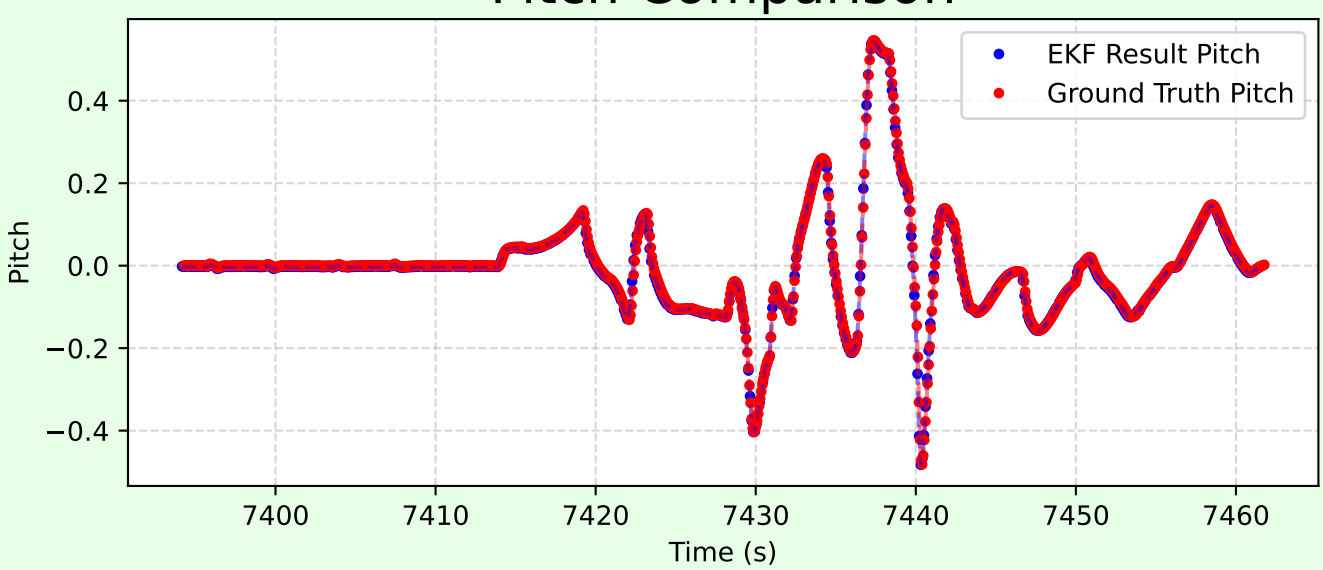

Pose Z
EKF Result
Ground Truth
70
60
50
40
30
20
Alt (m)
7400
7410
7420
7430
7440
7450
7460
Time (s)

RPY Orientation

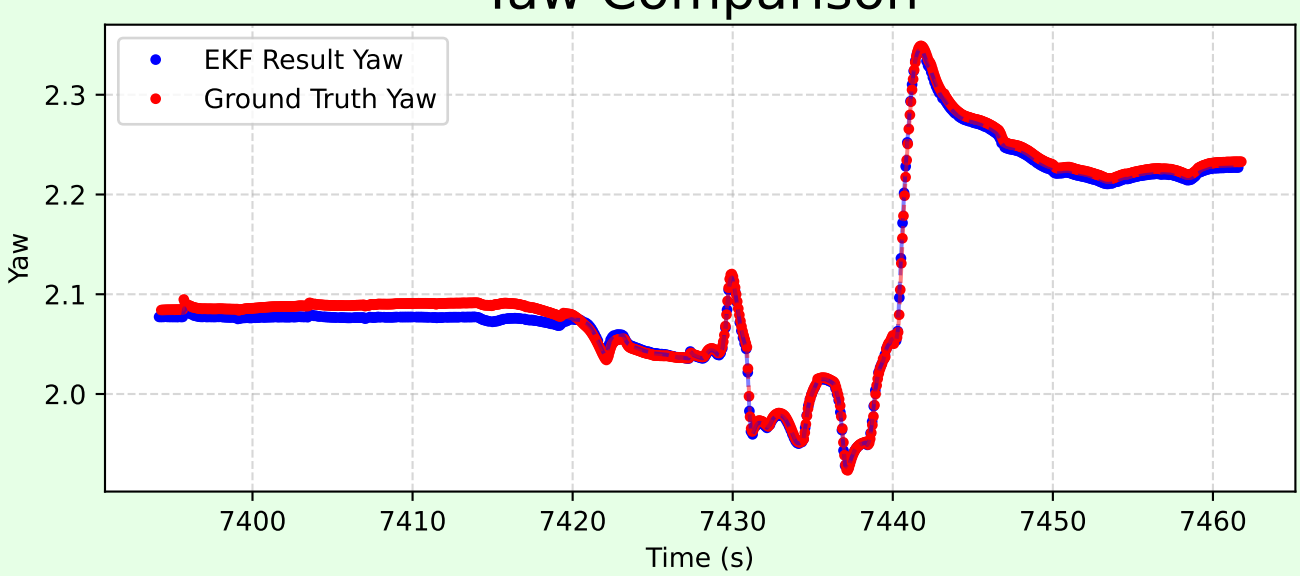
Roll Comparison

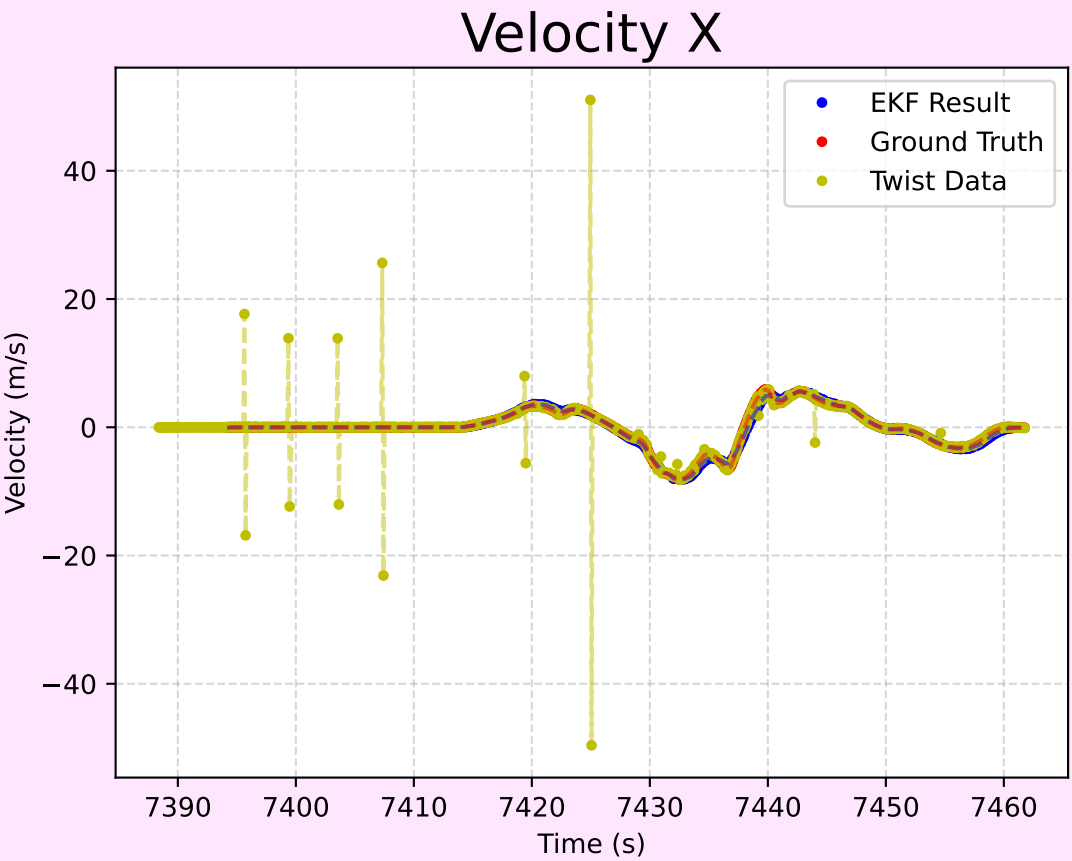


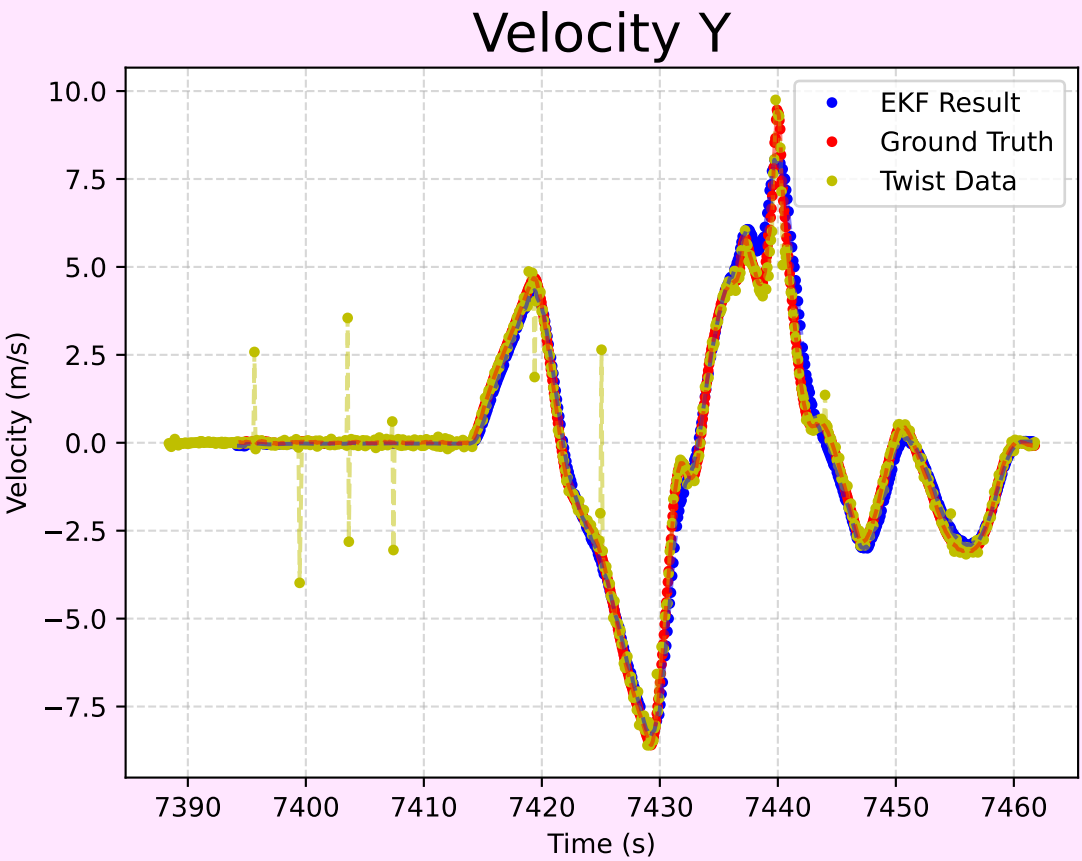
Pitch Comparison

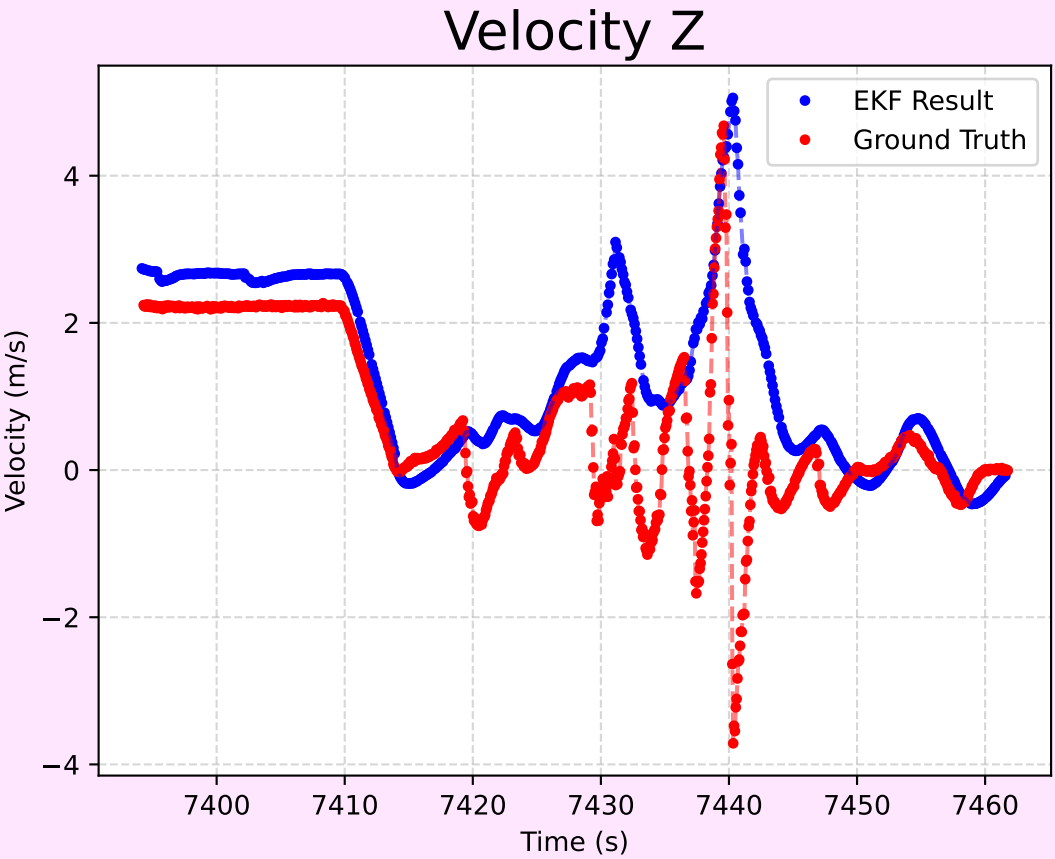


Yaw Comparison



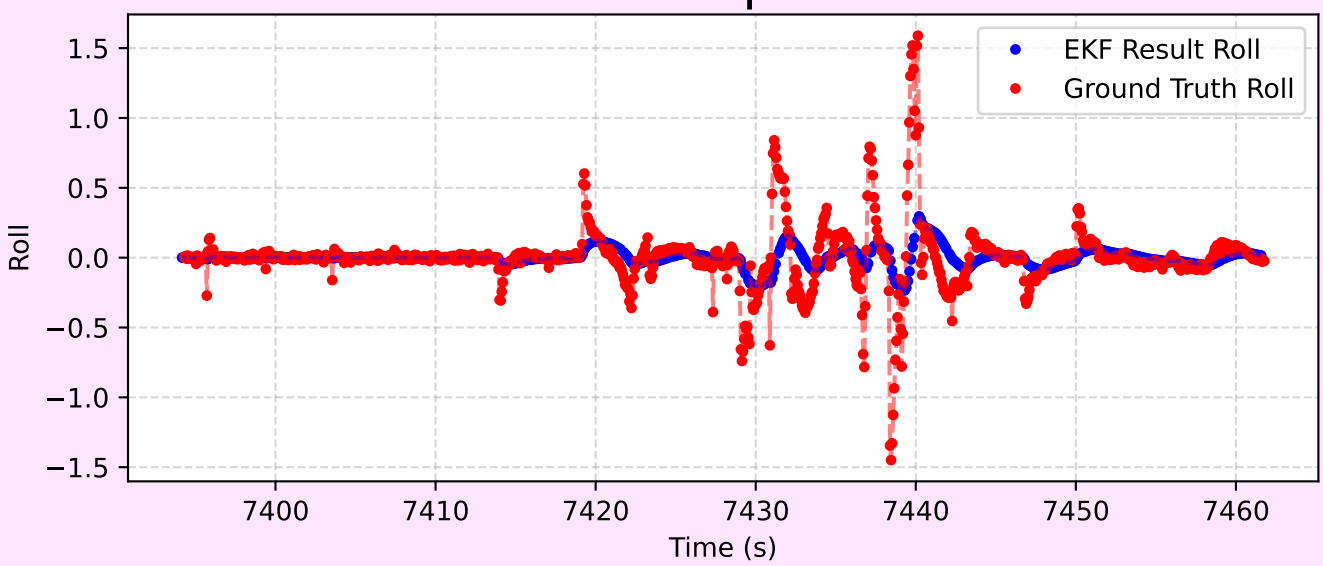

Velocity X
EKF Result
Ground Truth
Twist Data
Velocity (m/s)
40
20
0
−20
−40
7390
7400
7410
7420
7430
7440
7450
7460
Time (s)


Velocity Y
EKF Result
Ground Truth
Twist Data
Velocity (m/s)
Time (s)
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
7390
7400
7410
7420
7430
7440
7450
7460

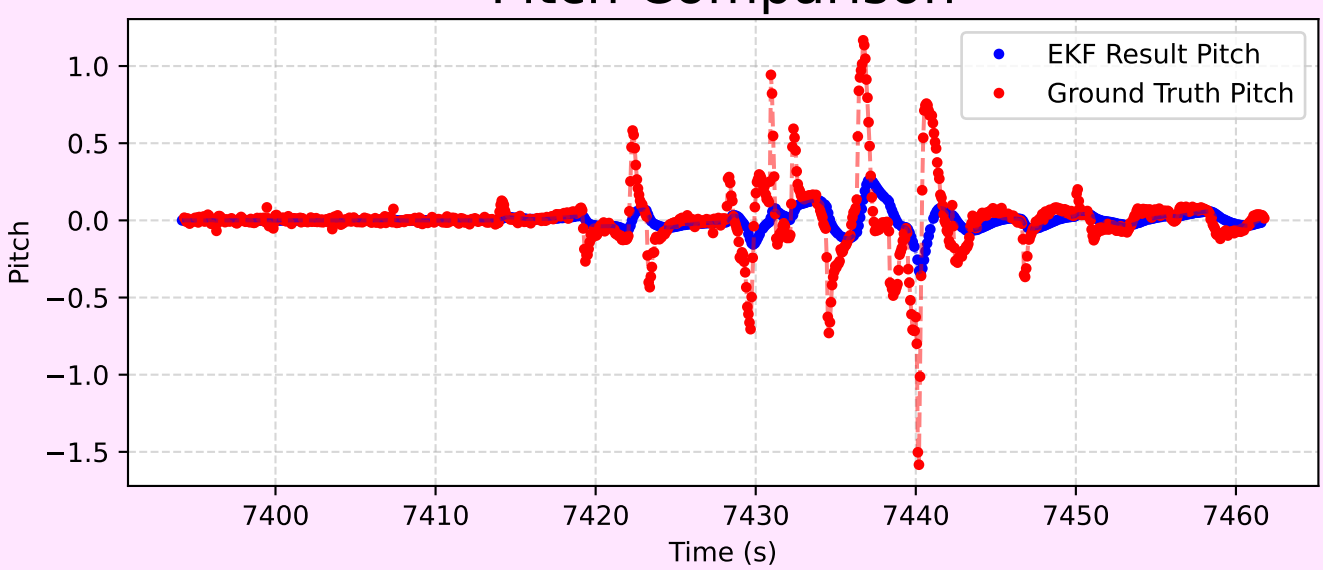
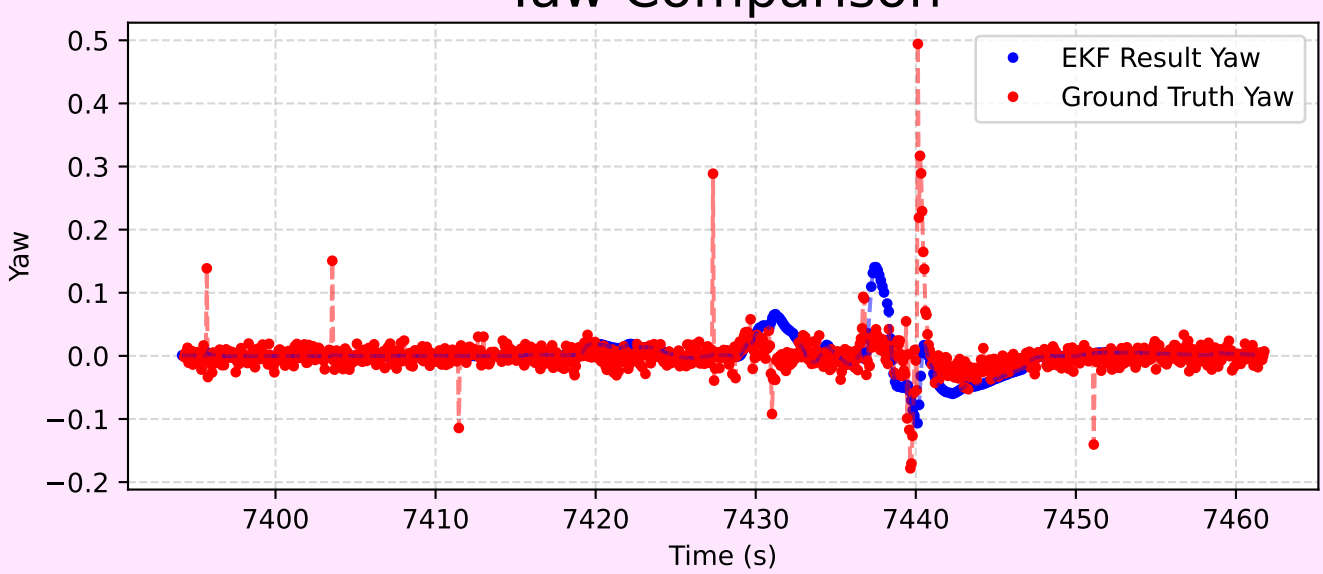

Velocity Z
EKF Result
Ground Truth
Velocity (m/s)
Time (s)
4
2
0
−2
−4
7400
7410
7420
7430
7440
7450
7460

RPY Velocities

Roll Comparison



Pitch Comparison



Yaw Comparison