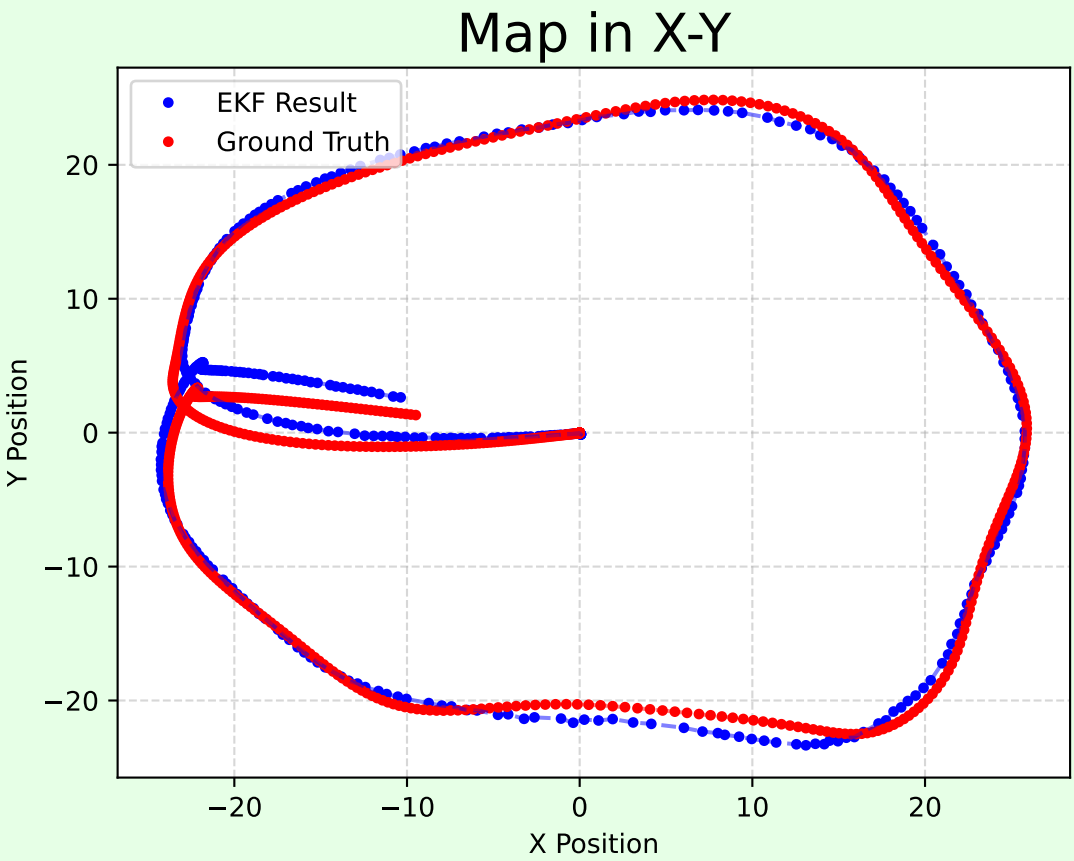
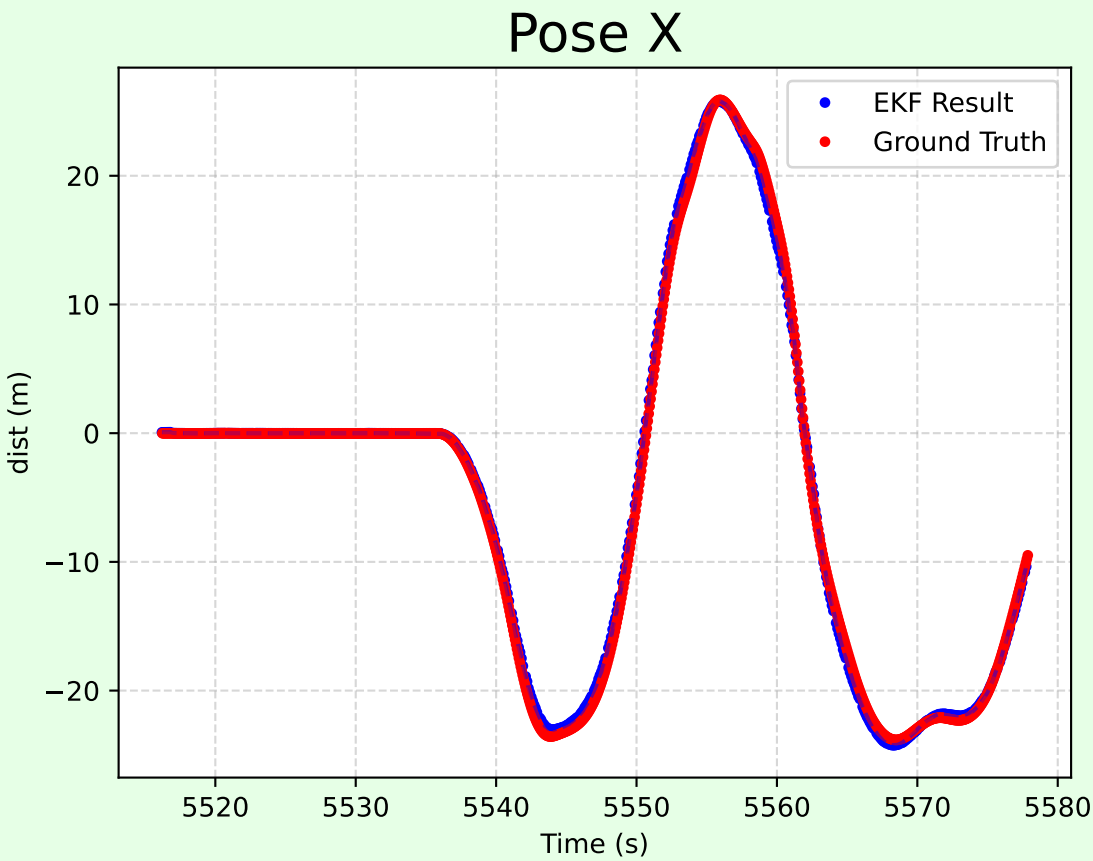
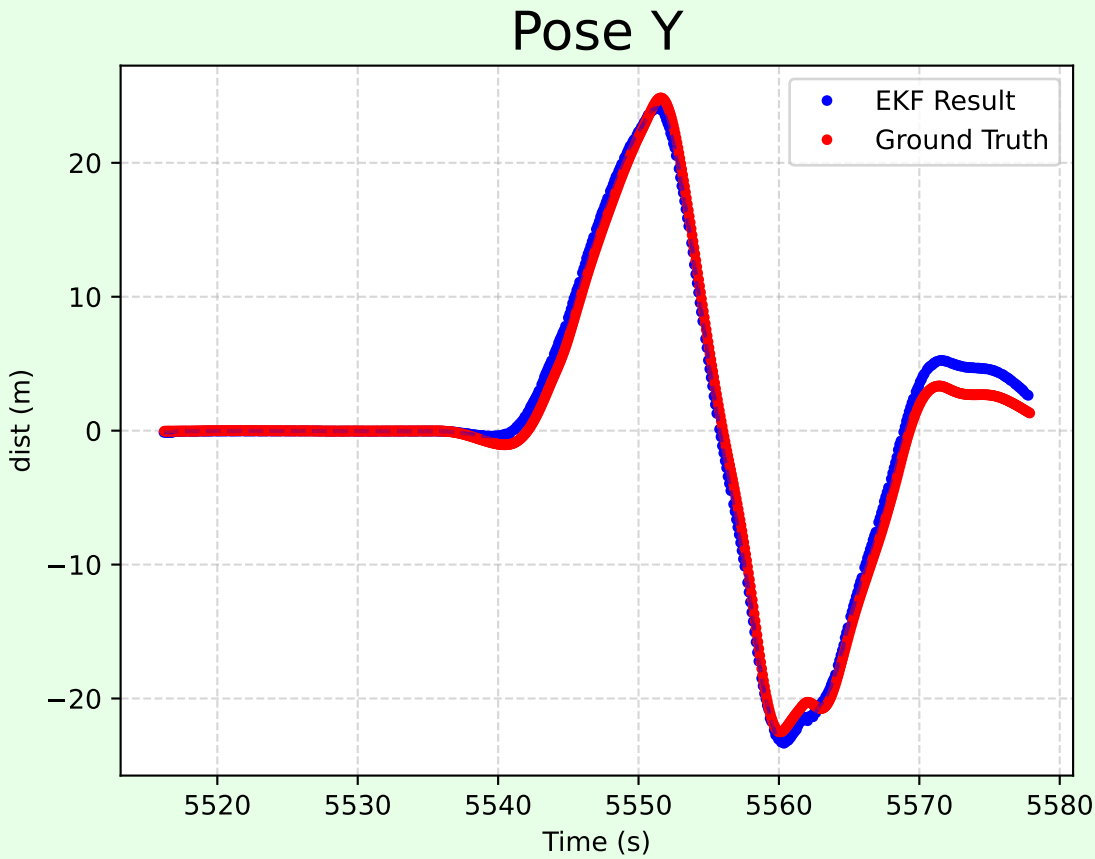
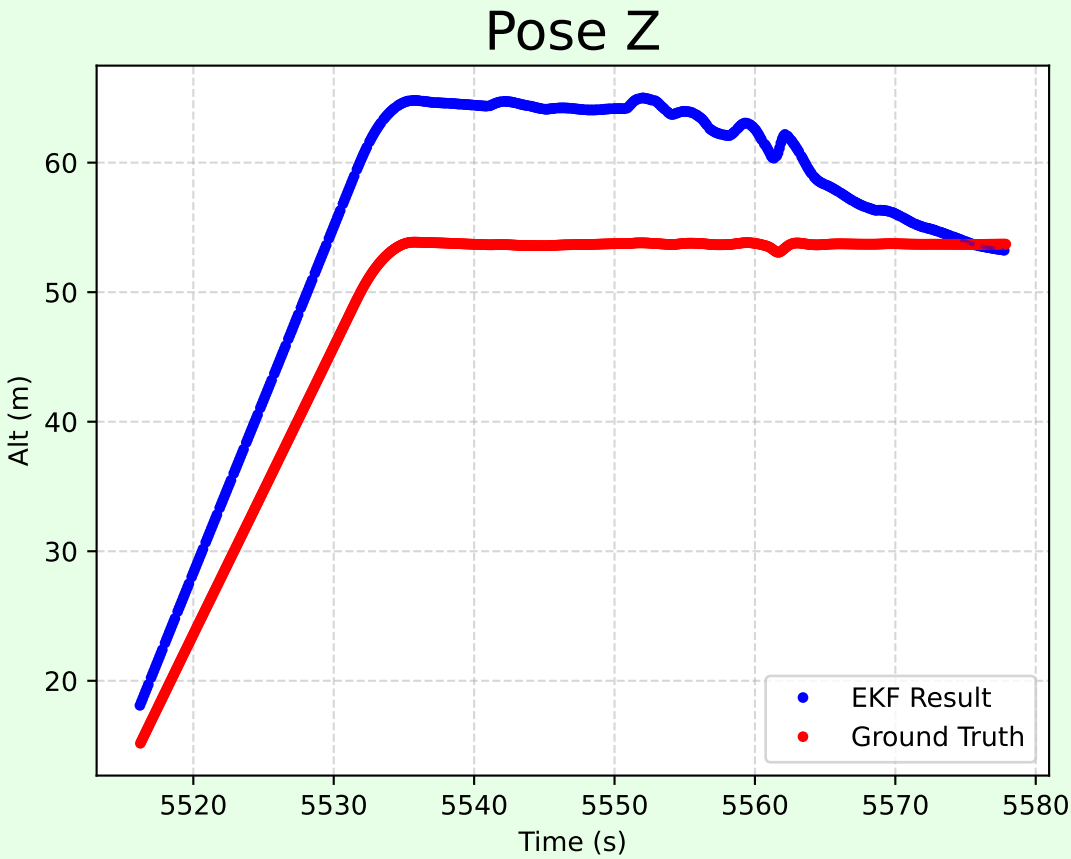

Map in X-Y
EKF Result
Ground Truth
Y Position
X Position
20
10
0
−10
−20
−20
−10
0
10
20

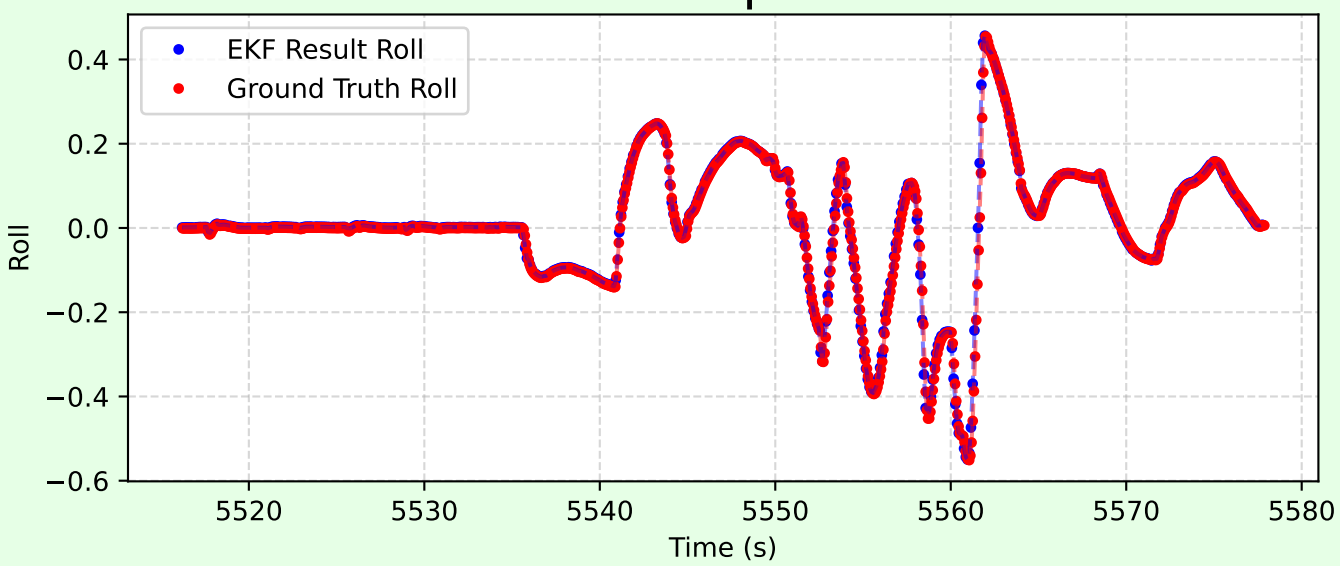

Pose X
EKF Result
Ground Truth
dist (m)
20
10
0
−10
−20
5520
5530
5540
5550
5560
5570
5580
Time (s)


Pose Y
EKF Result
Ground Truth
dist (m)
20
10
0
−10
−20
5520
5530
5540
5550
5560
5570
5580
Time (s)

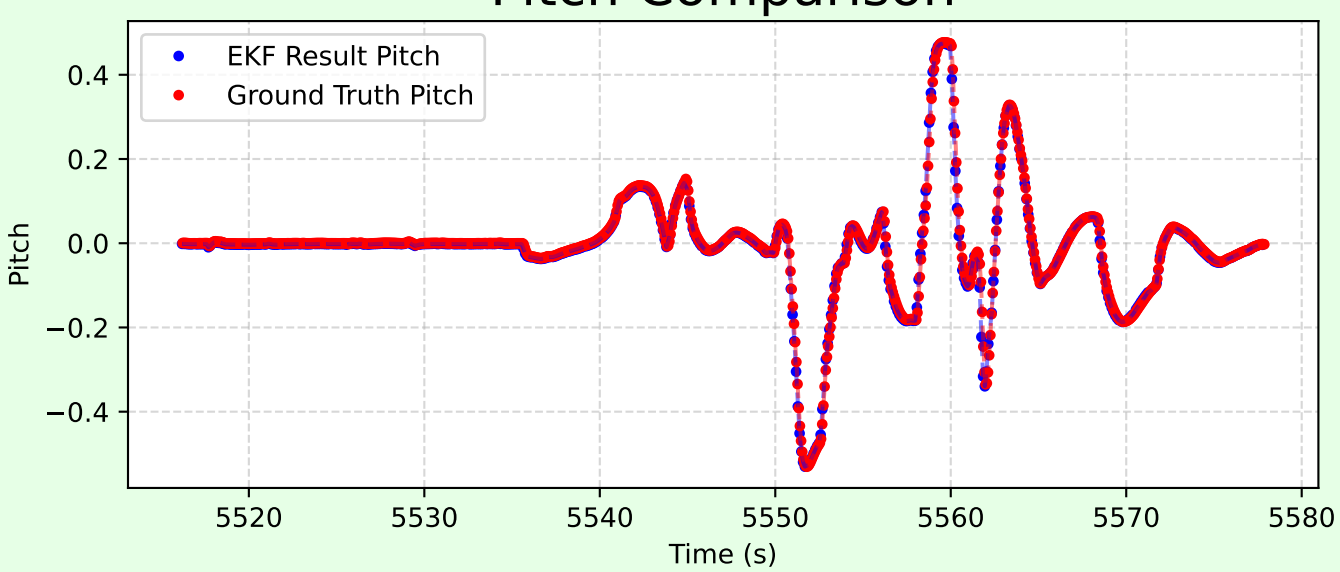

Pose Z
Alt (m)
60
50
40
30
20
5520
5530
5540
5550
5560
5570
5580
Time (s)
EKF Result
Ground Truth

RPY Orientation

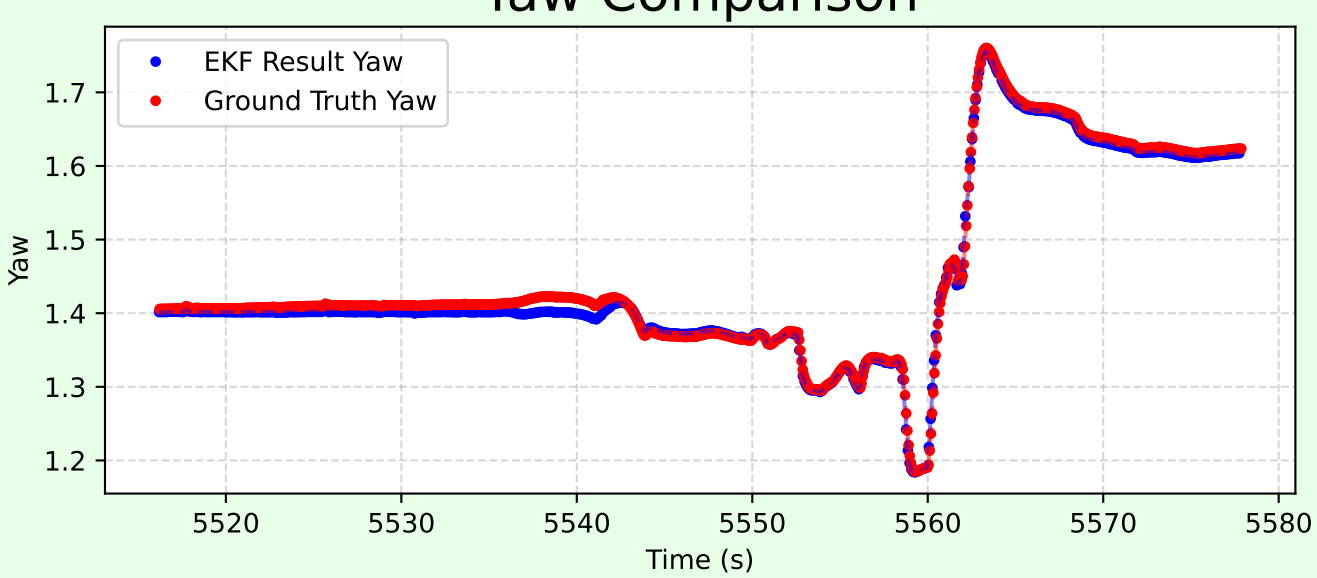
Roll Comparison

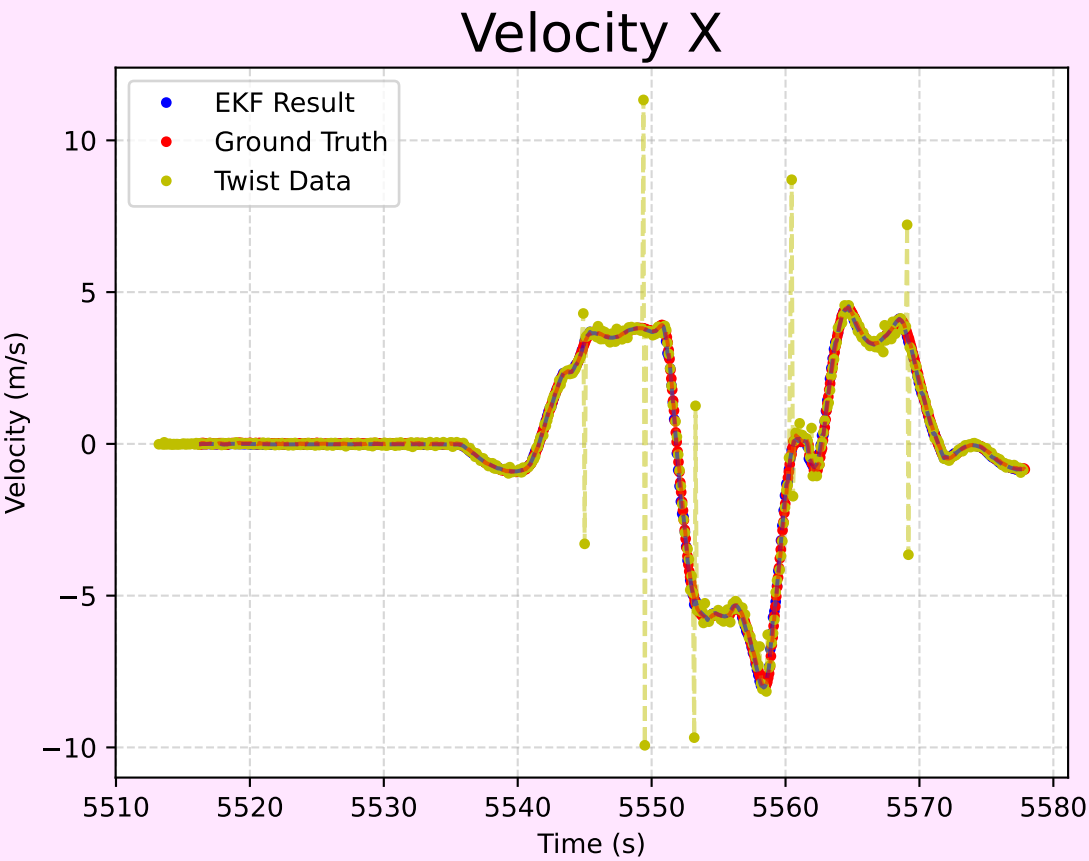


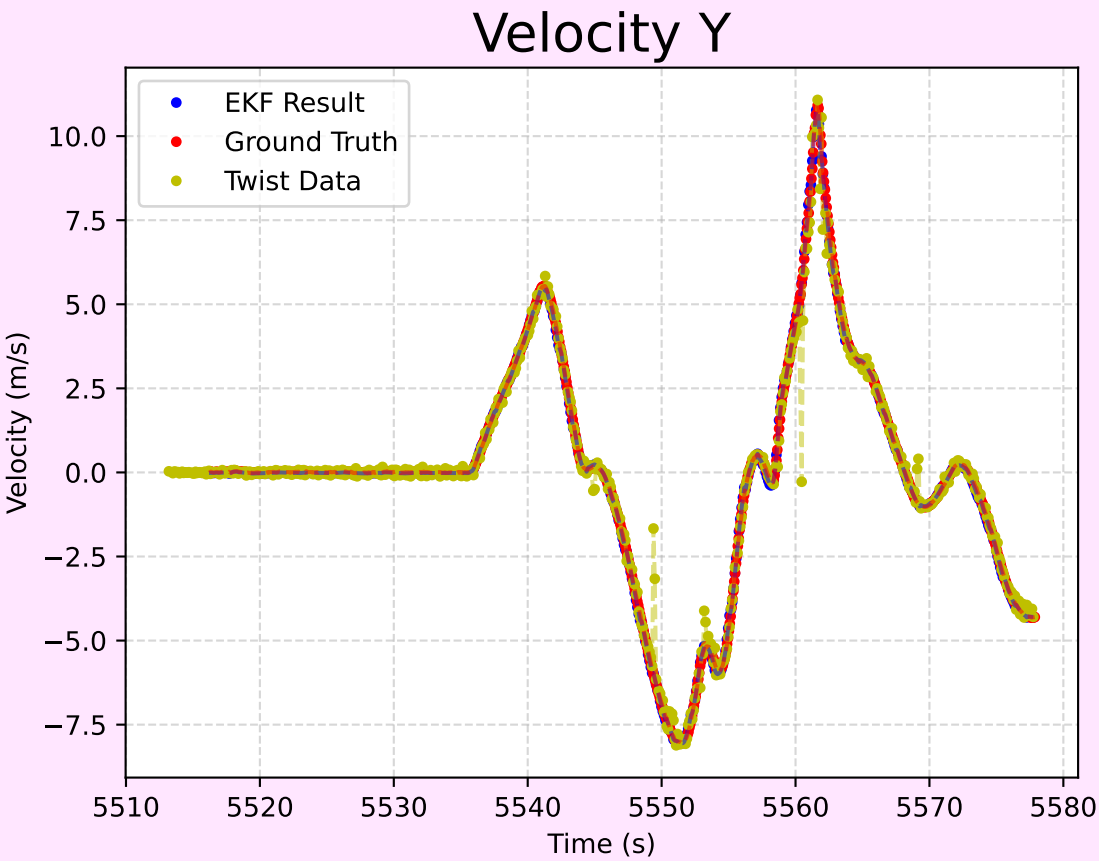
Pitch Comparison

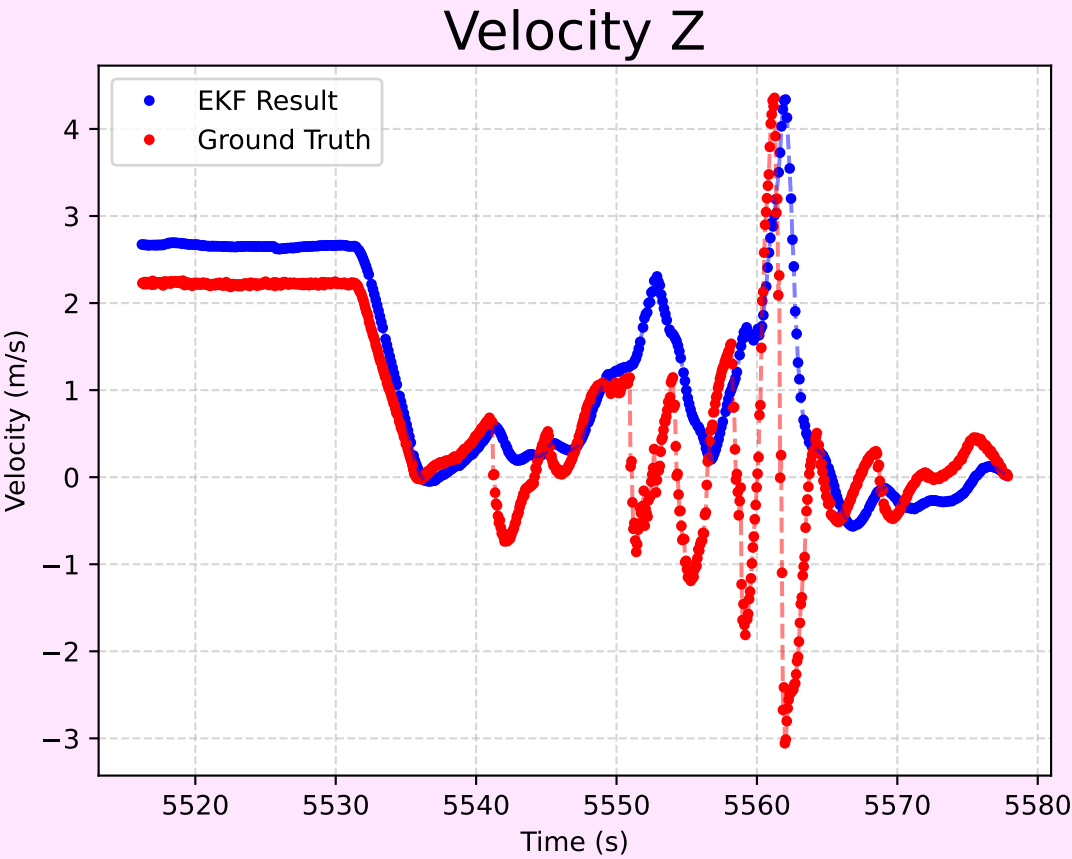


Yaw Comparison



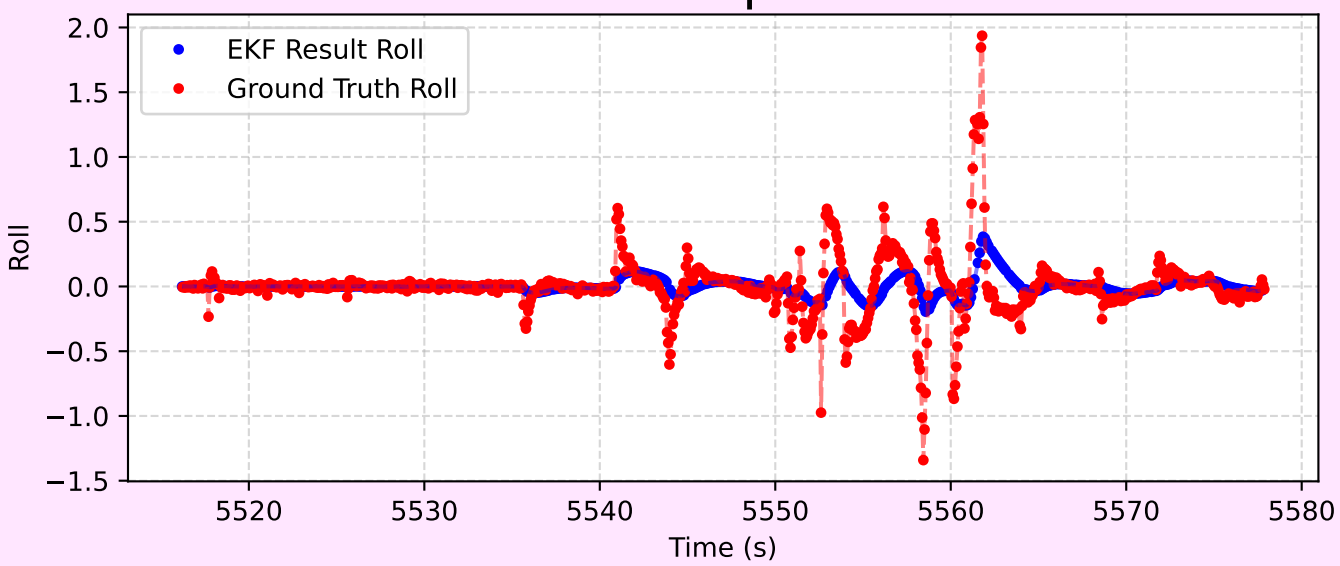

Velocity X
EKF Result
Ground Truth
Twist Data
Velocity (m/s)
10
5
0
−5
−10
5510
5520
5530
5540
5550
5560
5570
5580
Time (s)


Velocity Y
EKF Result
Ground Truth
Twist Data
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
Velocity (m/s)
5510
5520
5530
5540
5550
5560
5570
5580
Time (s)

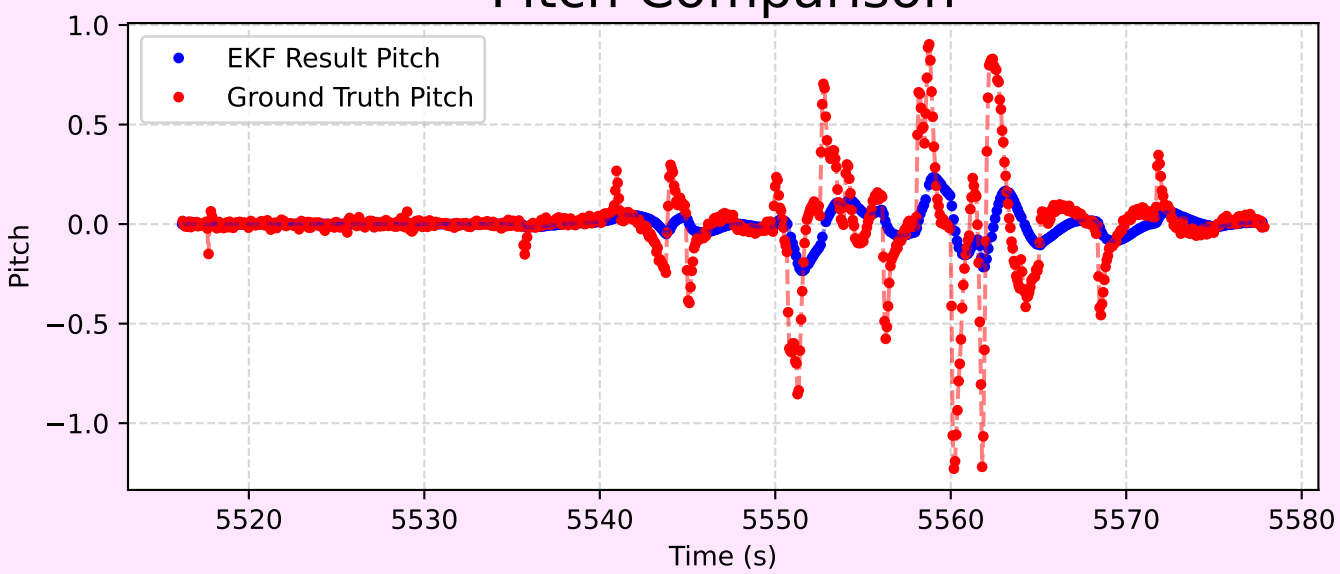
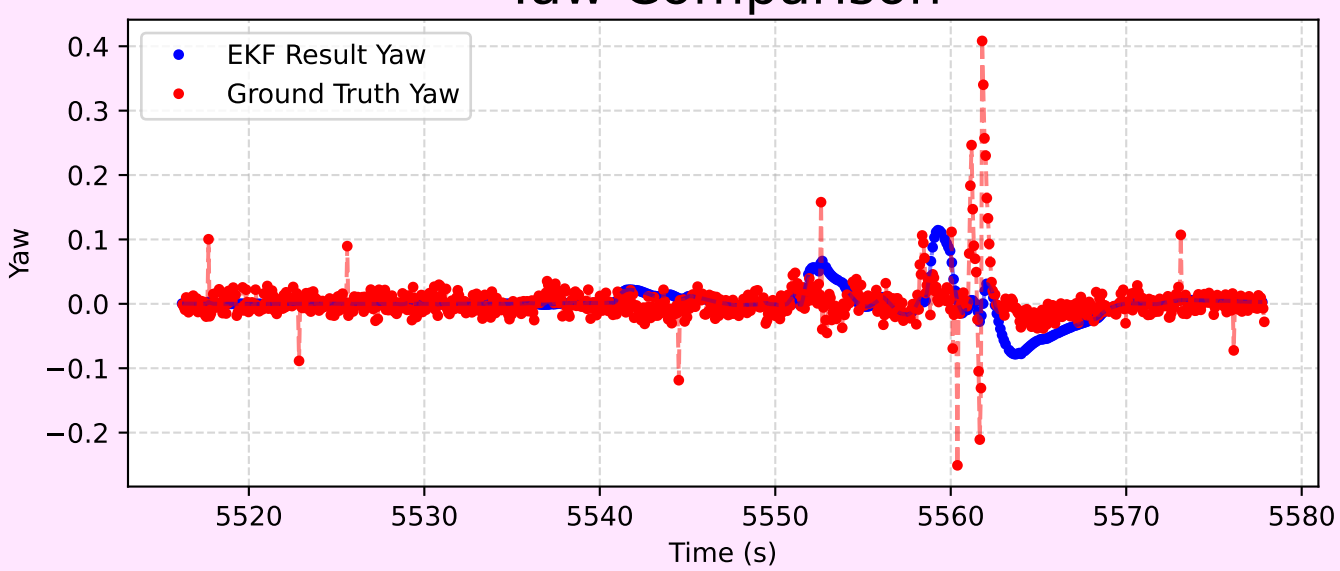

Velocity Z
EKF Result
Ground Truth
Velocity (m/s)
Time (s)
4
3
2
1
0
−1
−2
−3
5520
5530
5540
5550
5560
5570
5580

RPY Velocities

Roll Comparison



Pitch Comparison



Yaw Comparison