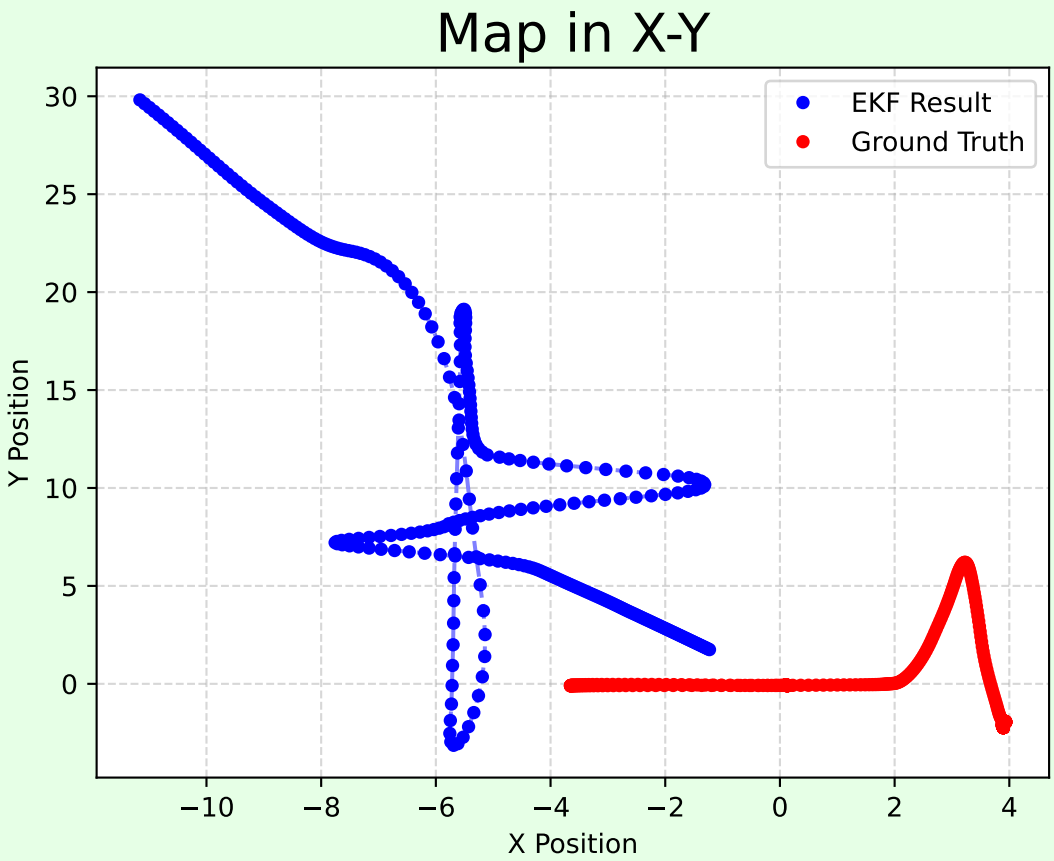
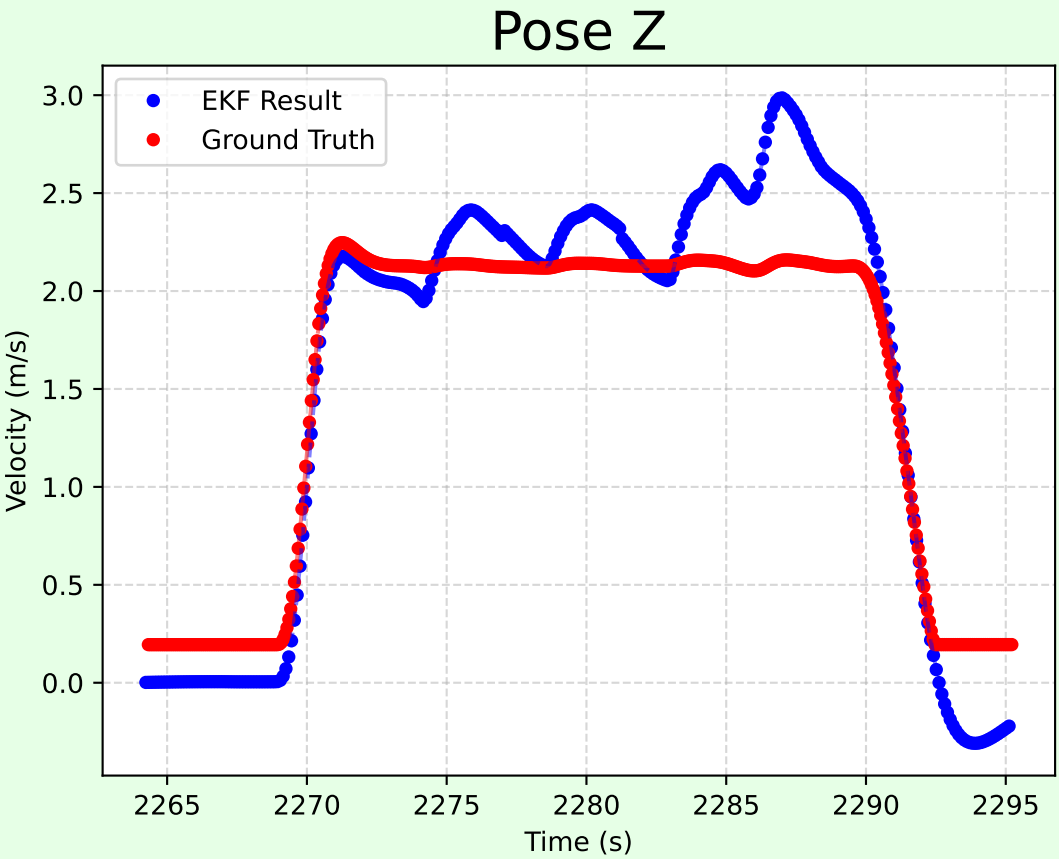
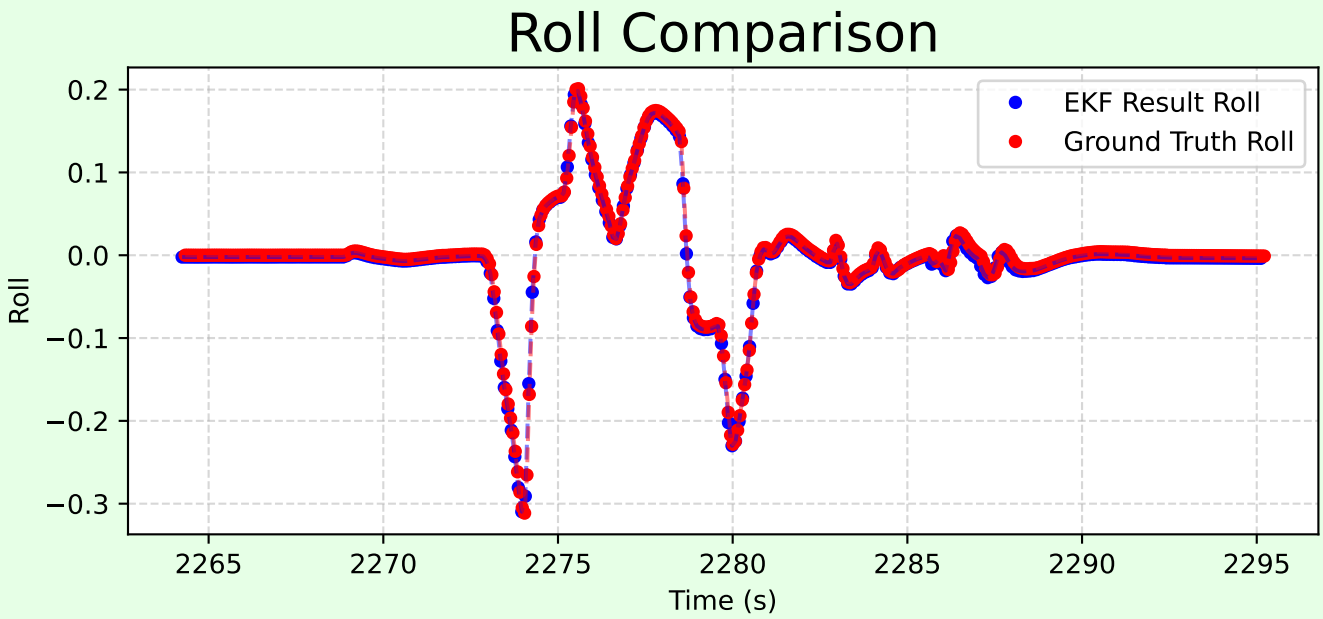
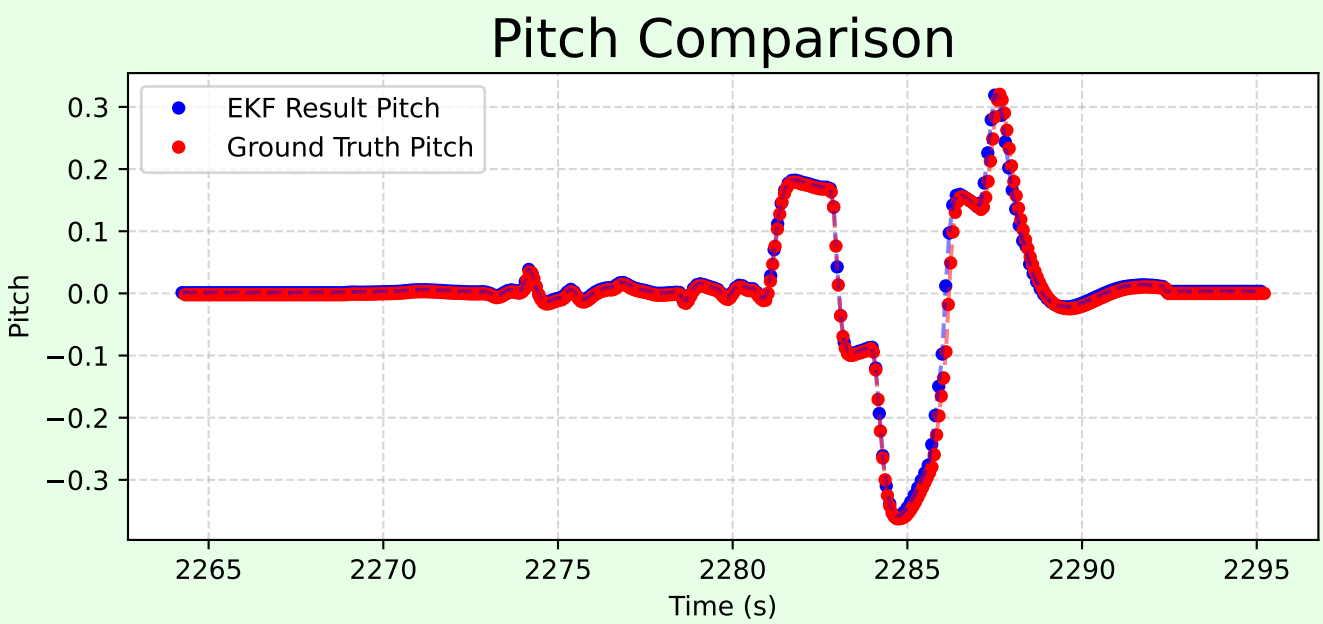
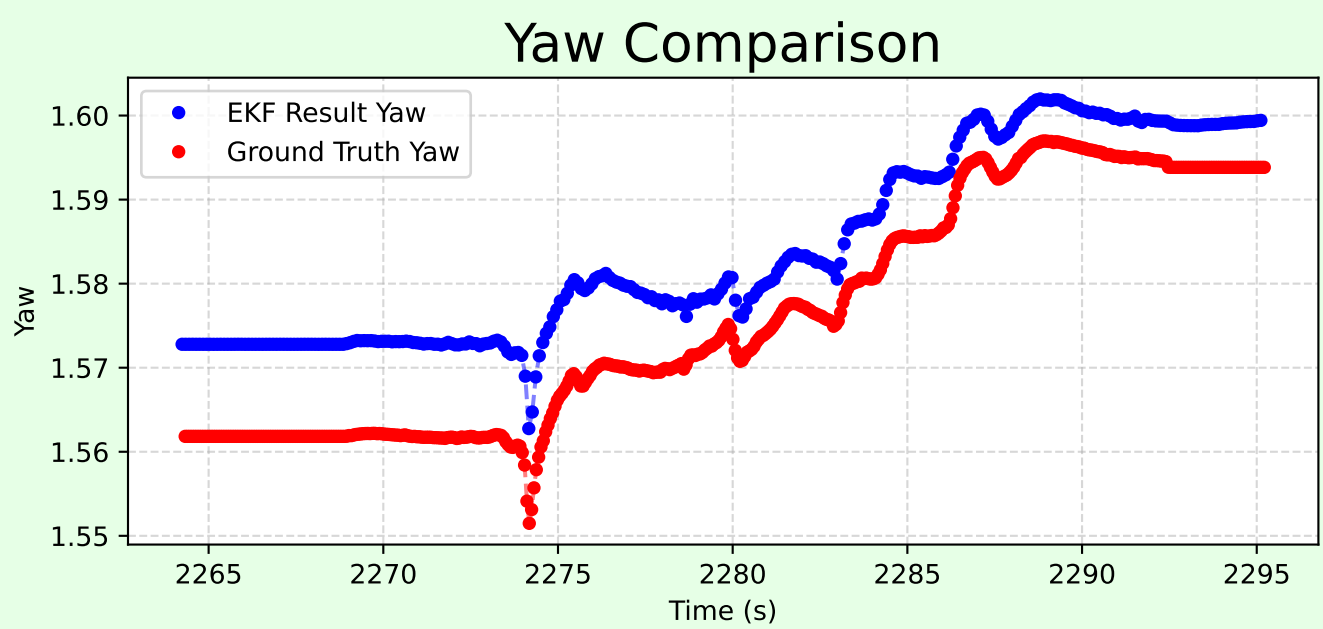

Map in X-Y
EKF Result
Ground Truth
Y Position
X Position
30
25
20
15
10
5
0
−10
−8
−6
−4
−2
0
2
4

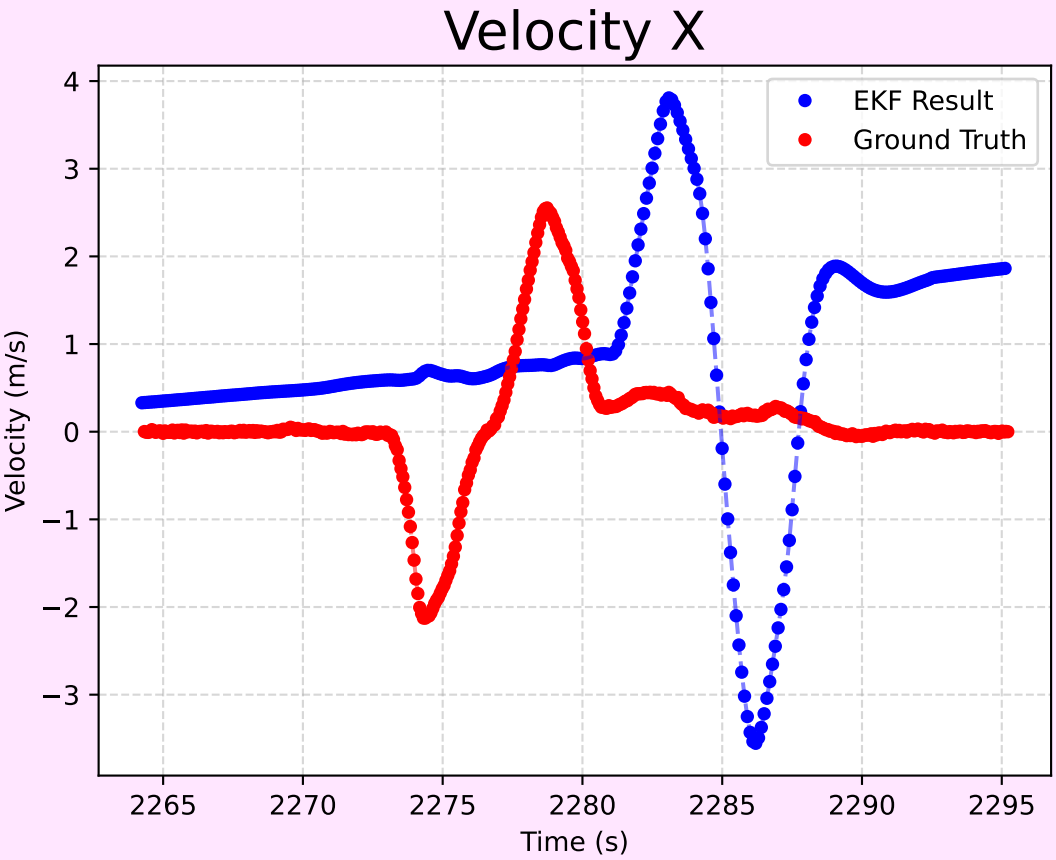

Pose Z
EKF Result
Ground Truth
Velocity (m/s)
Time (s)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2265
2270
2275
2280
2285
2290
2295

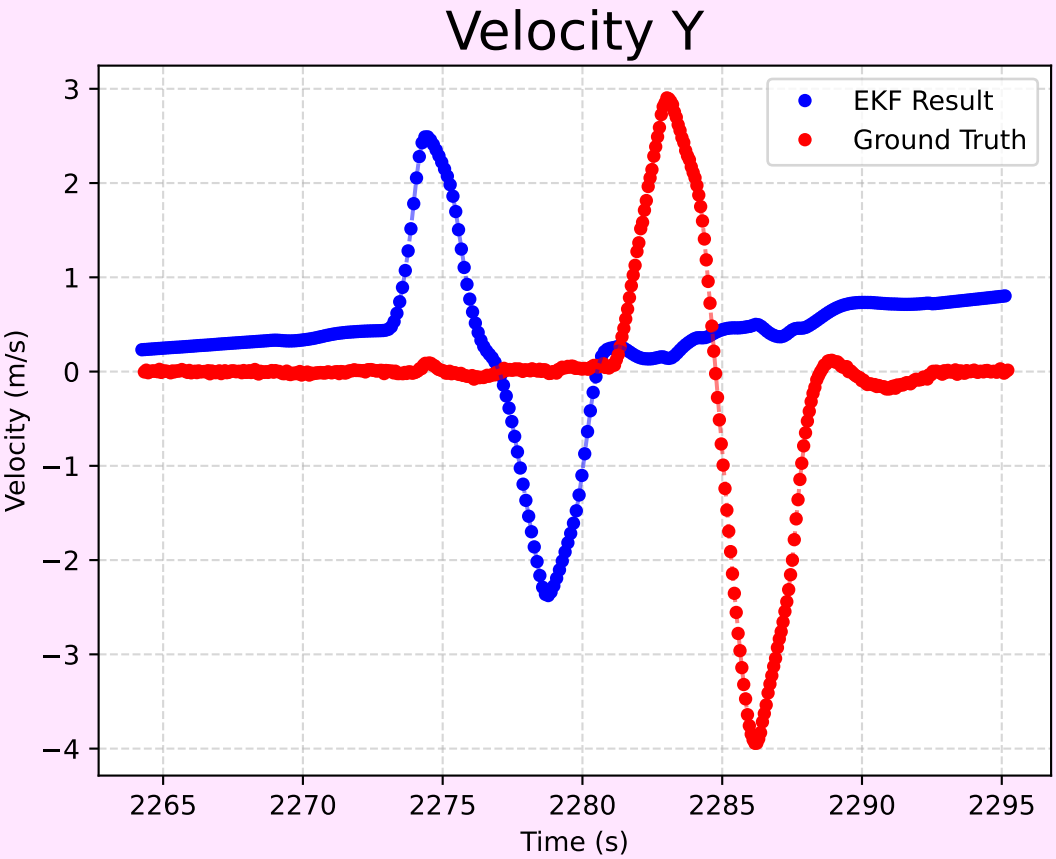
RPY Orientation

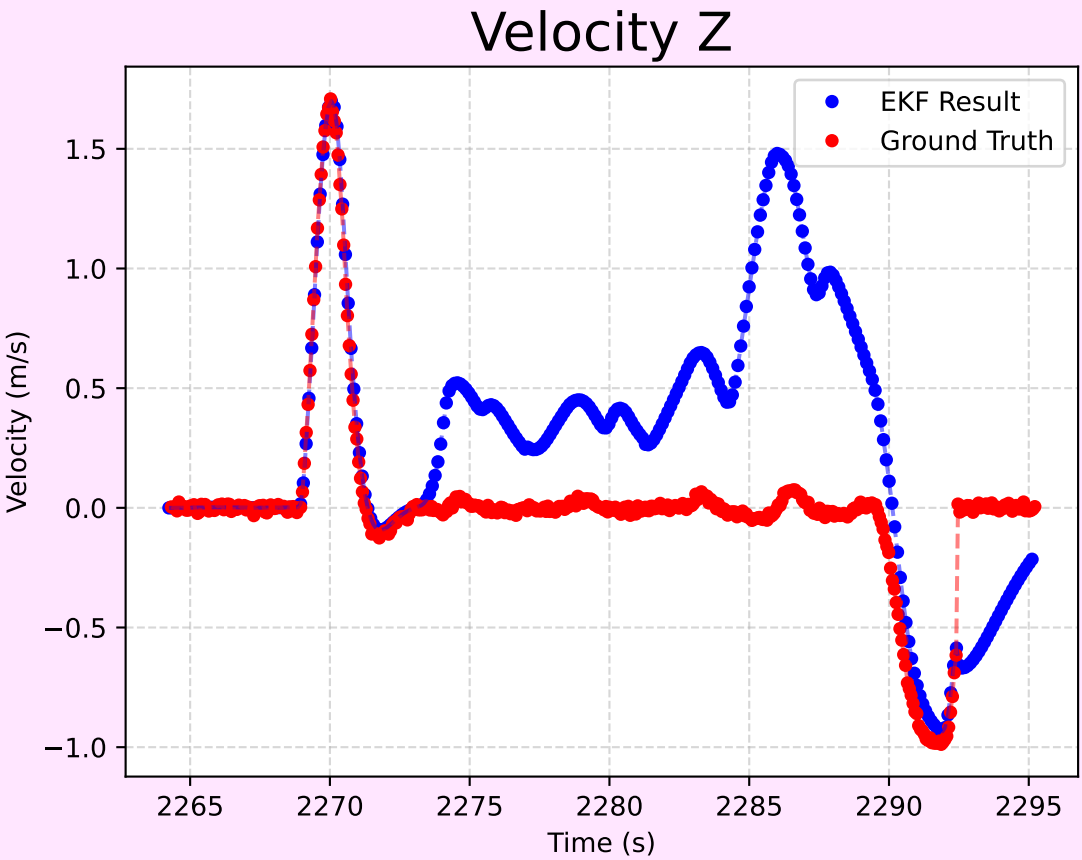






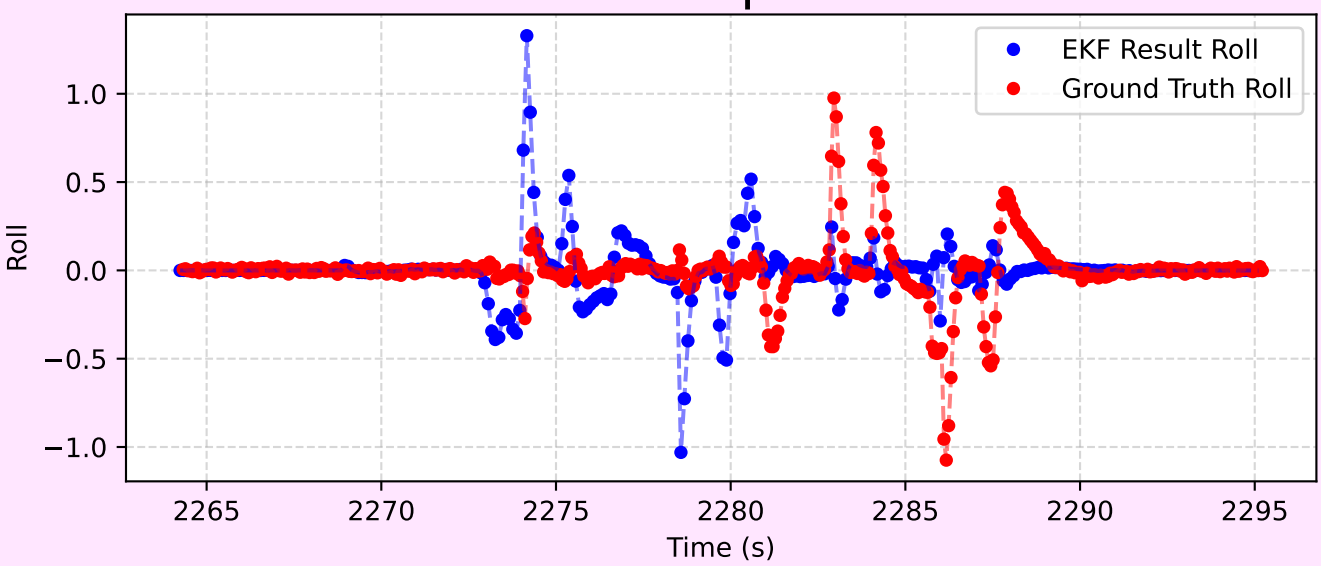

Velocity X
EKF Result
Ground Truth
Velocity (m/s)
Time (s)
4
3
2
1
0
−1
−2
−3
2265
2270
2275
2280
2285
2290
2295


Velocity Y
EKF Result
Ground Truth
Velocity (m/s)
Time (s)
3
2
1
0
−1
−2
−3
−4
2265
2270
2275
2280
2285
2290
2295

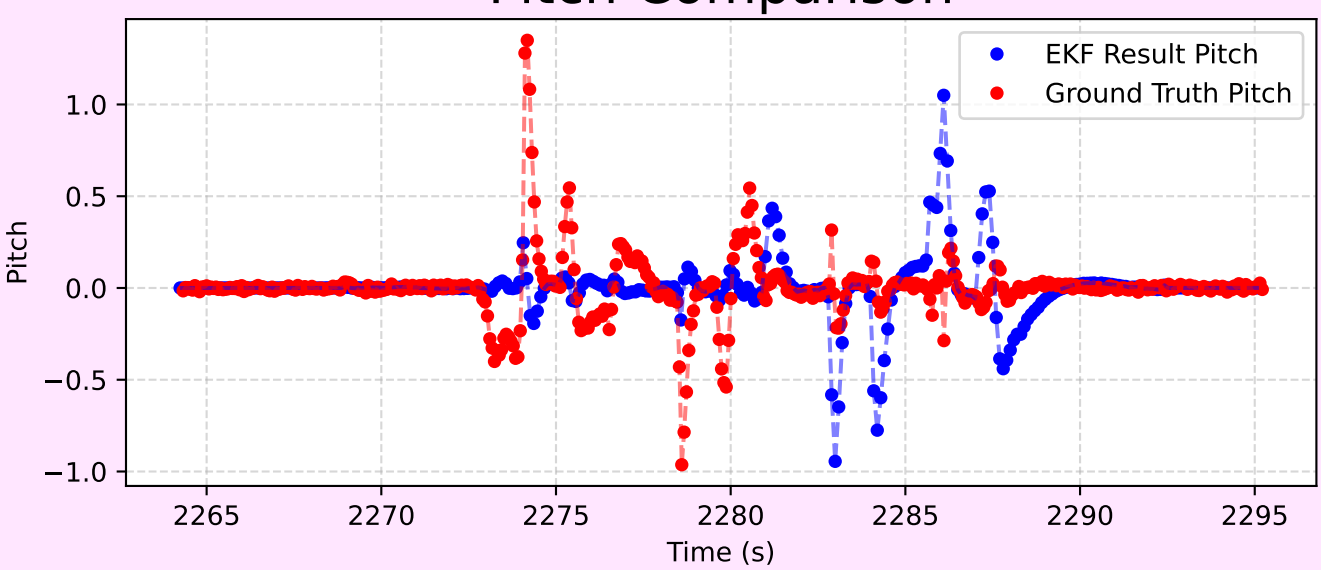
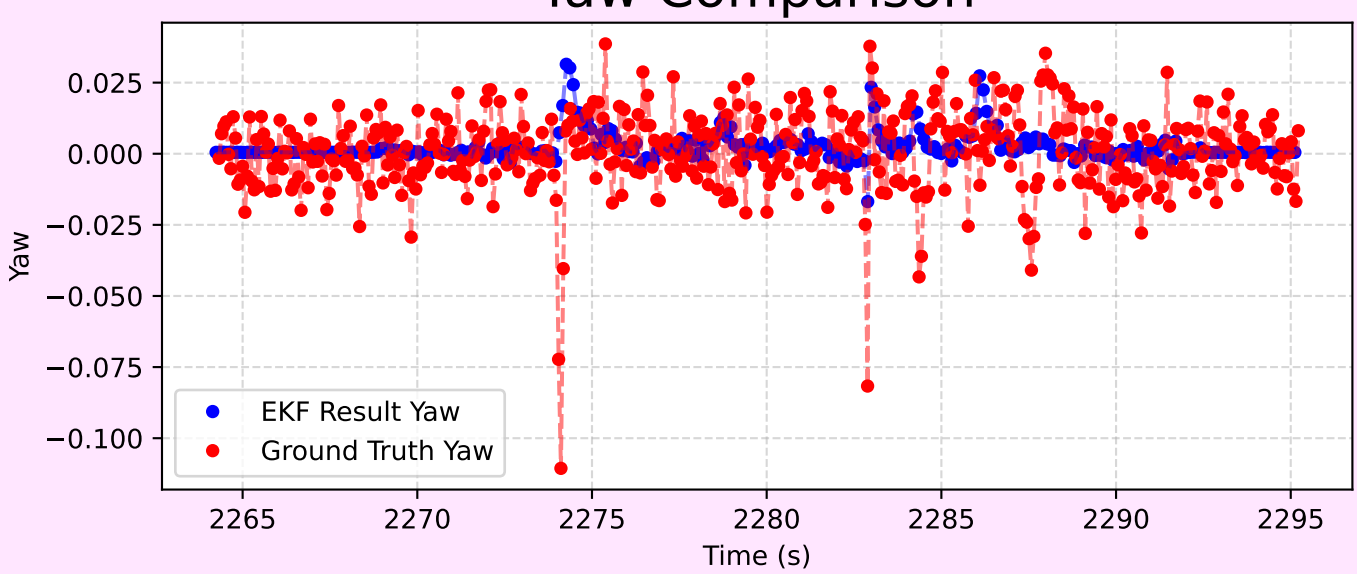

Velocity Z
EKF Result
Ground Truth
Velocity (m/s)
1.5
1.0
0.5
0.0
−0.5
−1.0
2265
2270
2275
2280
2285
2290
2295
Time (s)

RPY Velocities

Roll Comparison



Pitch Comparison



Yaw Comparison