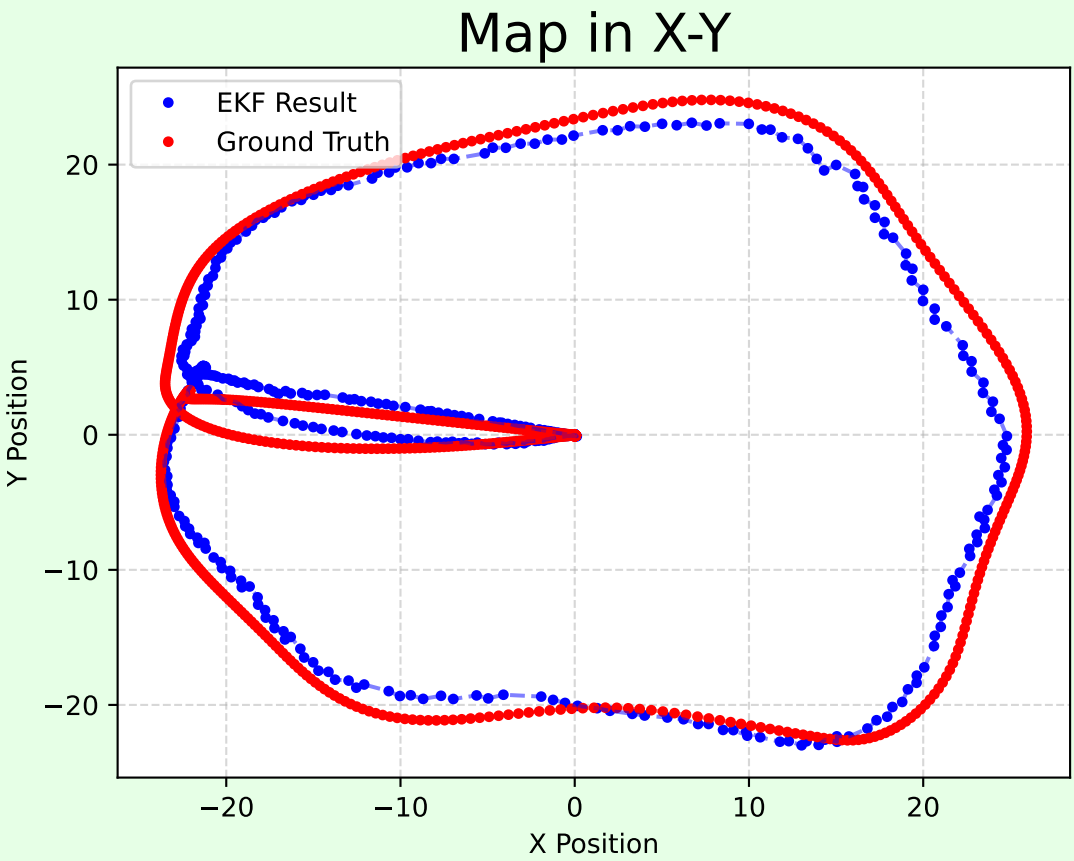
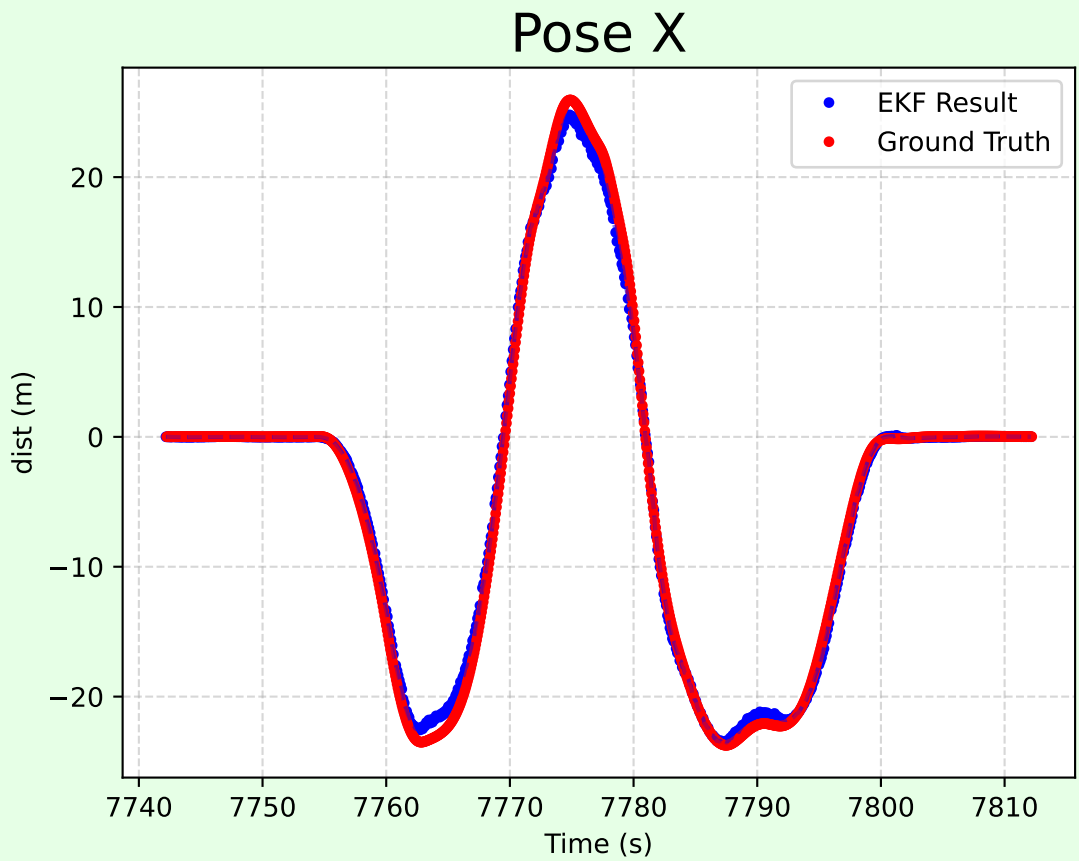
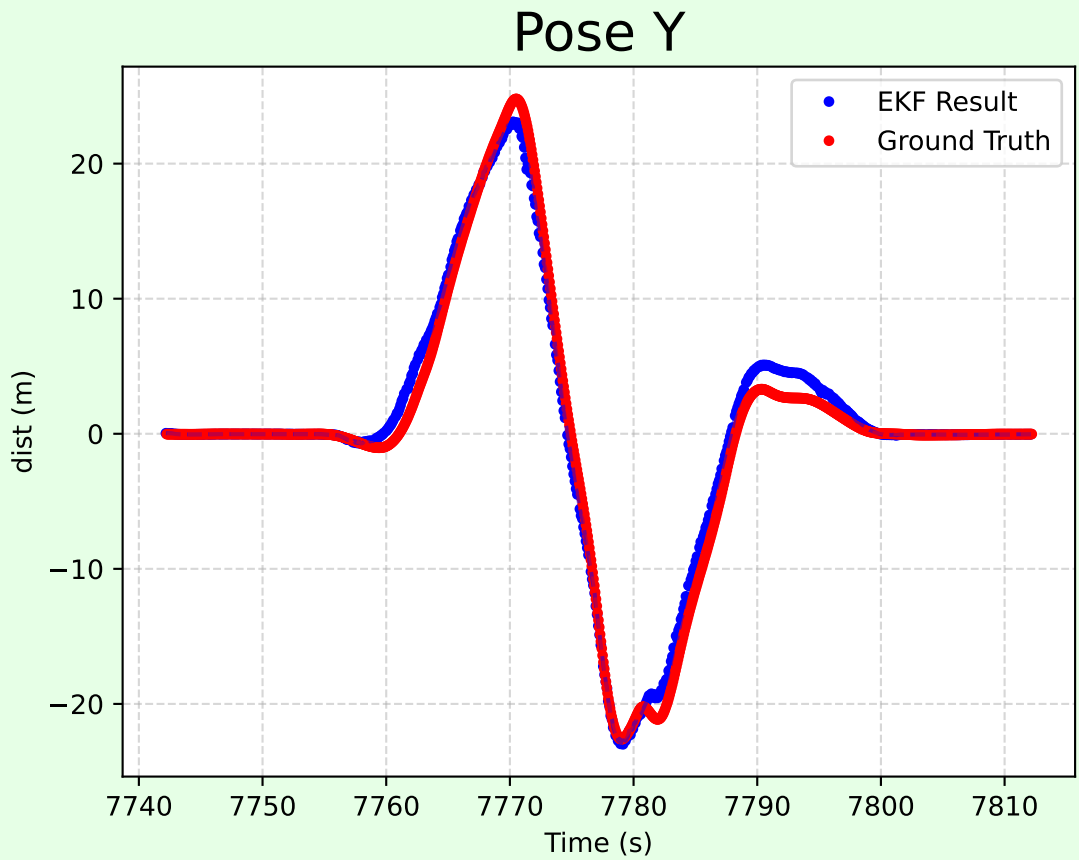
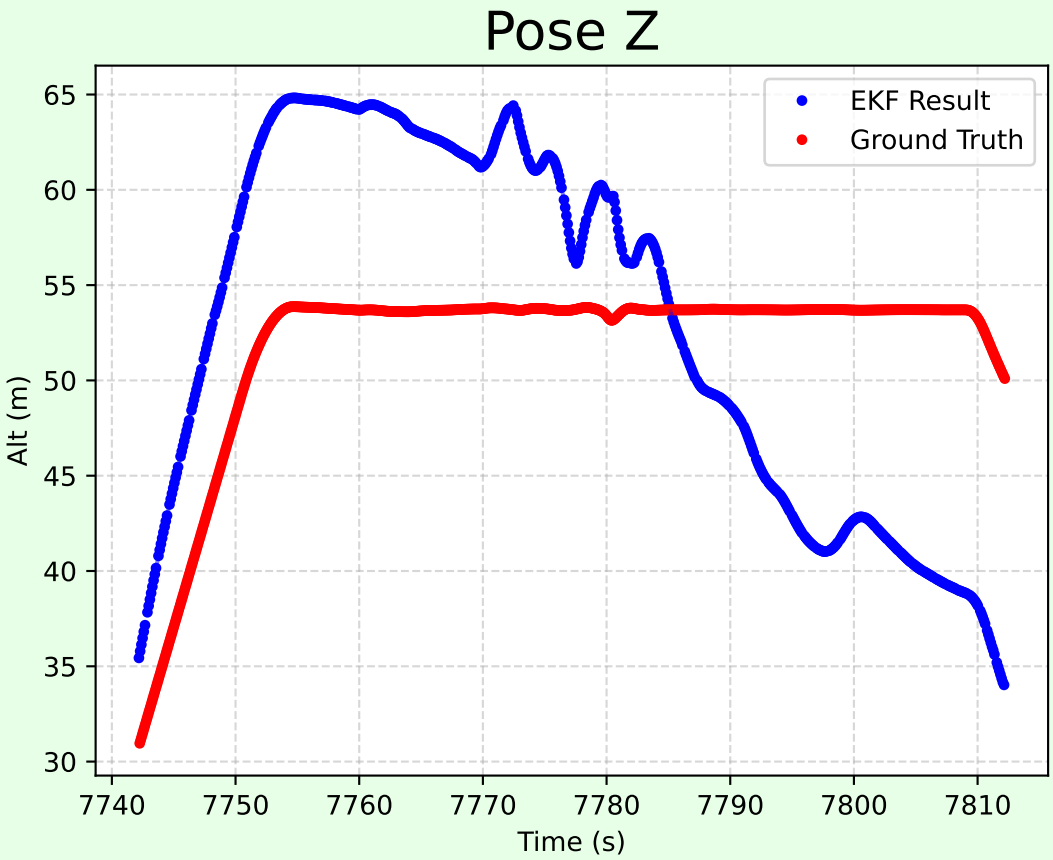

Map in X-Y
EKF Result
Ground Truth
20
10
0
−10
−20
Y Position
−20
−10
0
10
20
X Position

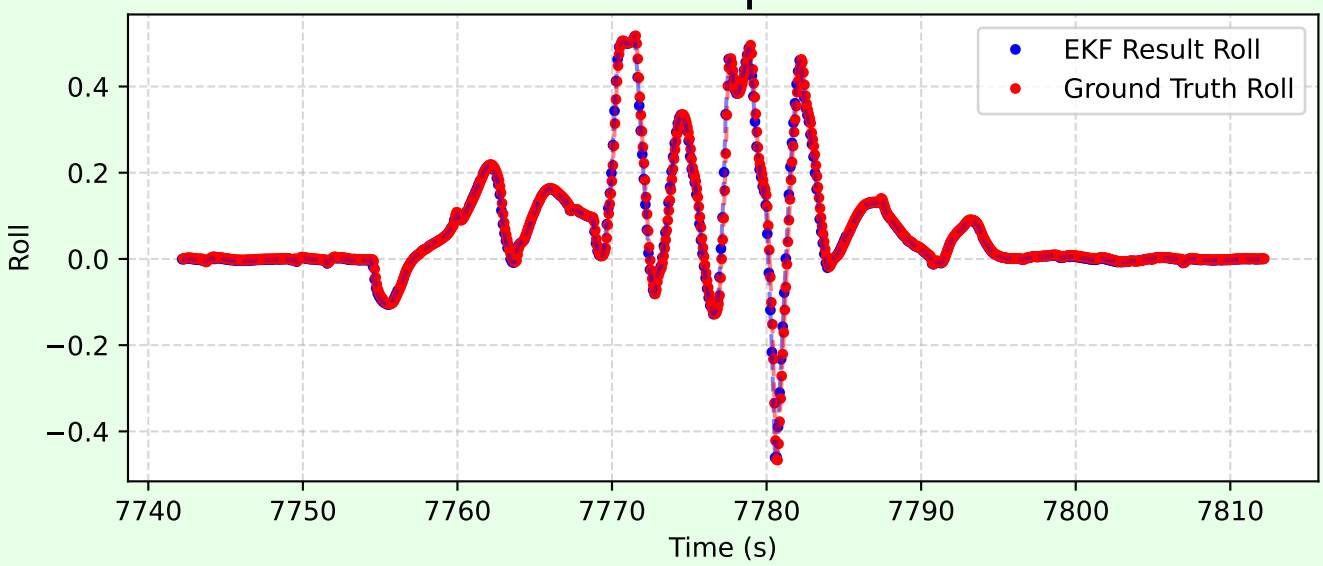

Pose X
EKF Result
Ground Truth
dist (m)
20
10
0
−10
−20
7740
7750
7760
7770
7780
7790
7800
7810
Time (s)


Pose Y
EKF Result
Ground Truth
dist (m)
20
10
0
−10
−20
7740
7750
7760
7770
7780
7790
7800
7810
Time (s)

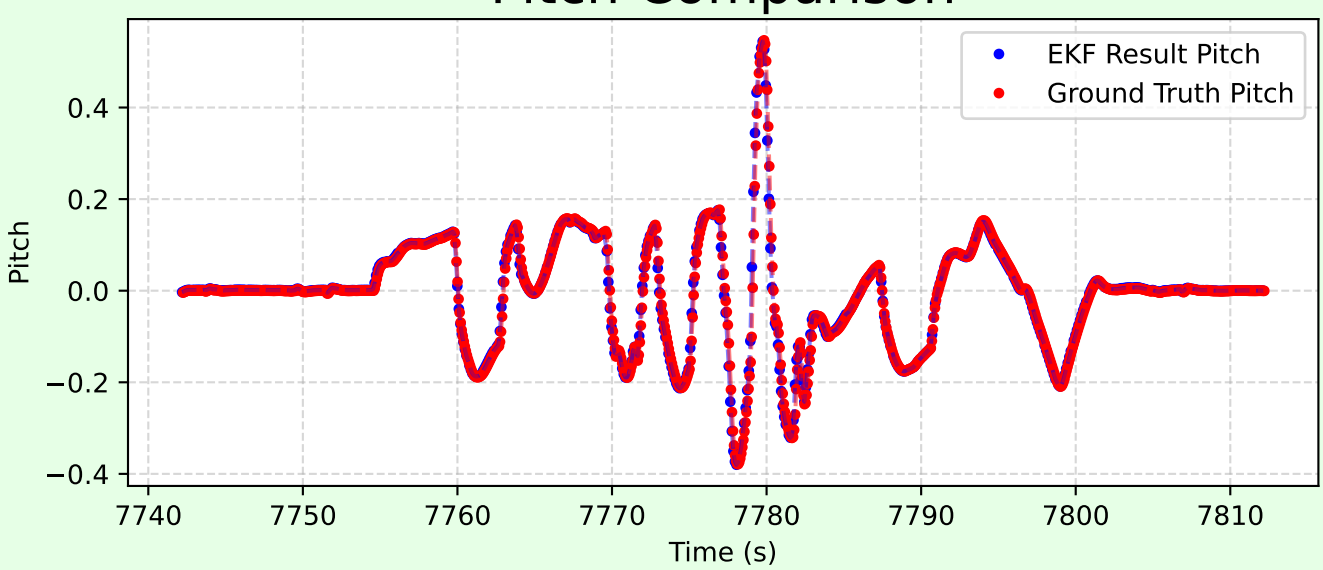

Pose Z
EKF Result
Ground Truth
Alt (m)
Time (s)
65
60
55
50
45
40
35
30
7740
7750
7760
7770
7780
7790
7800
7810

RPY Orientation

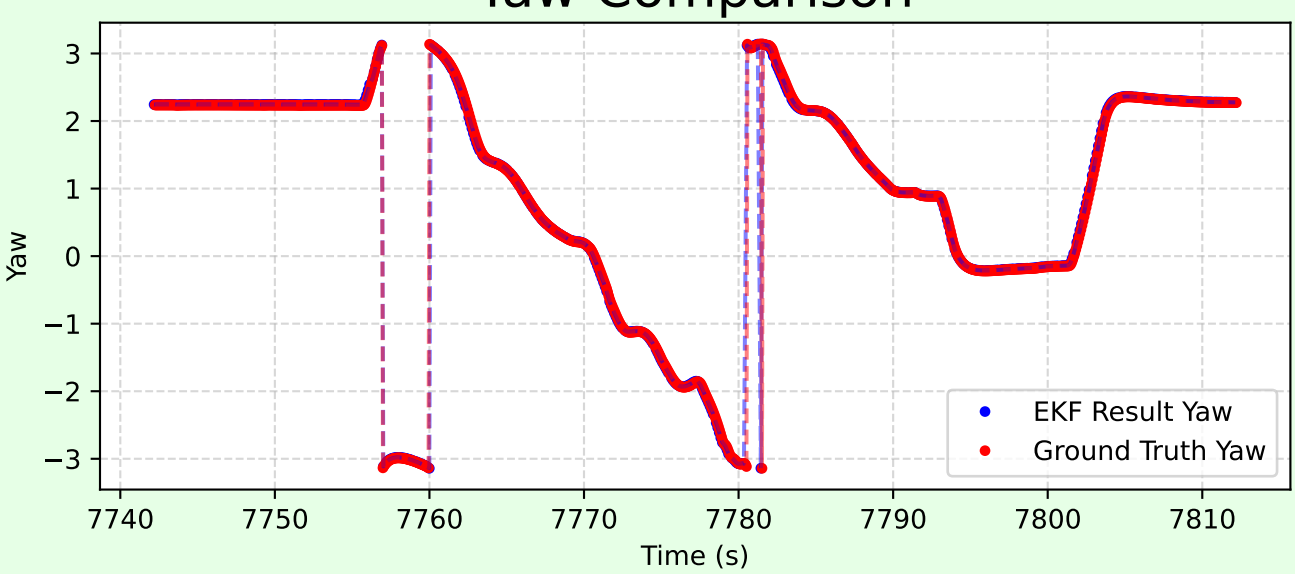
Roll Comparison

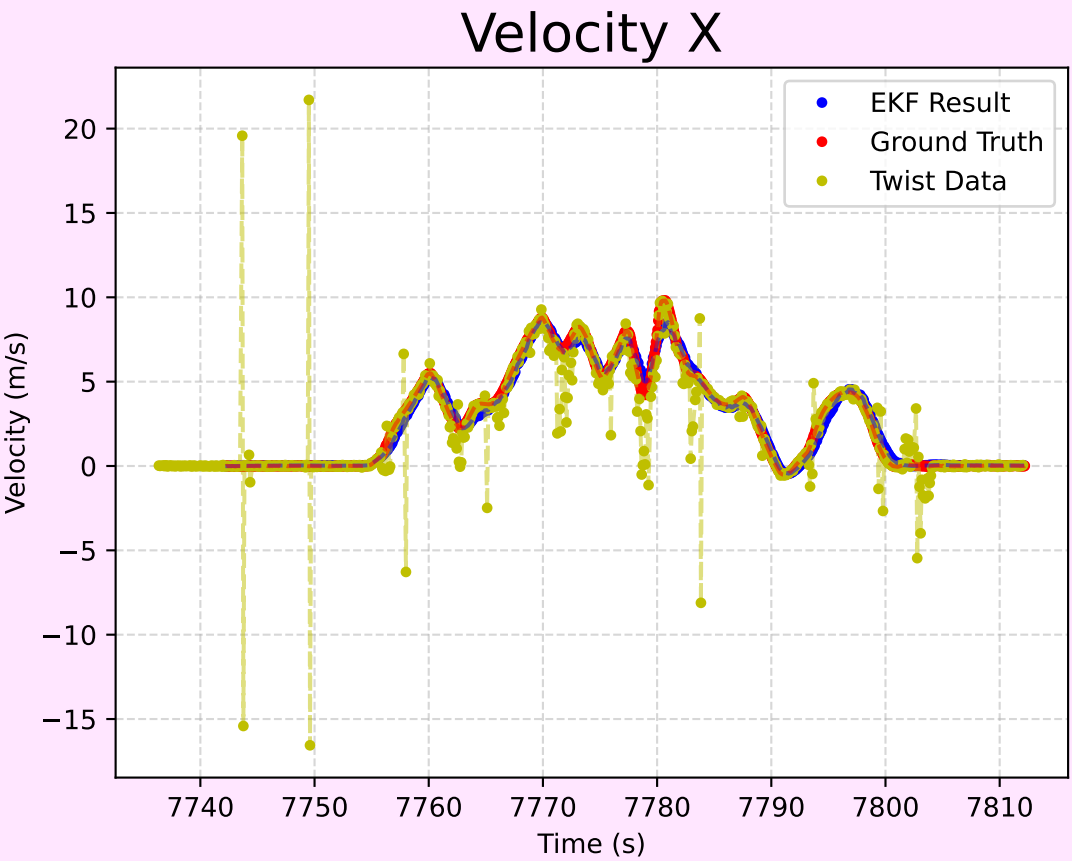


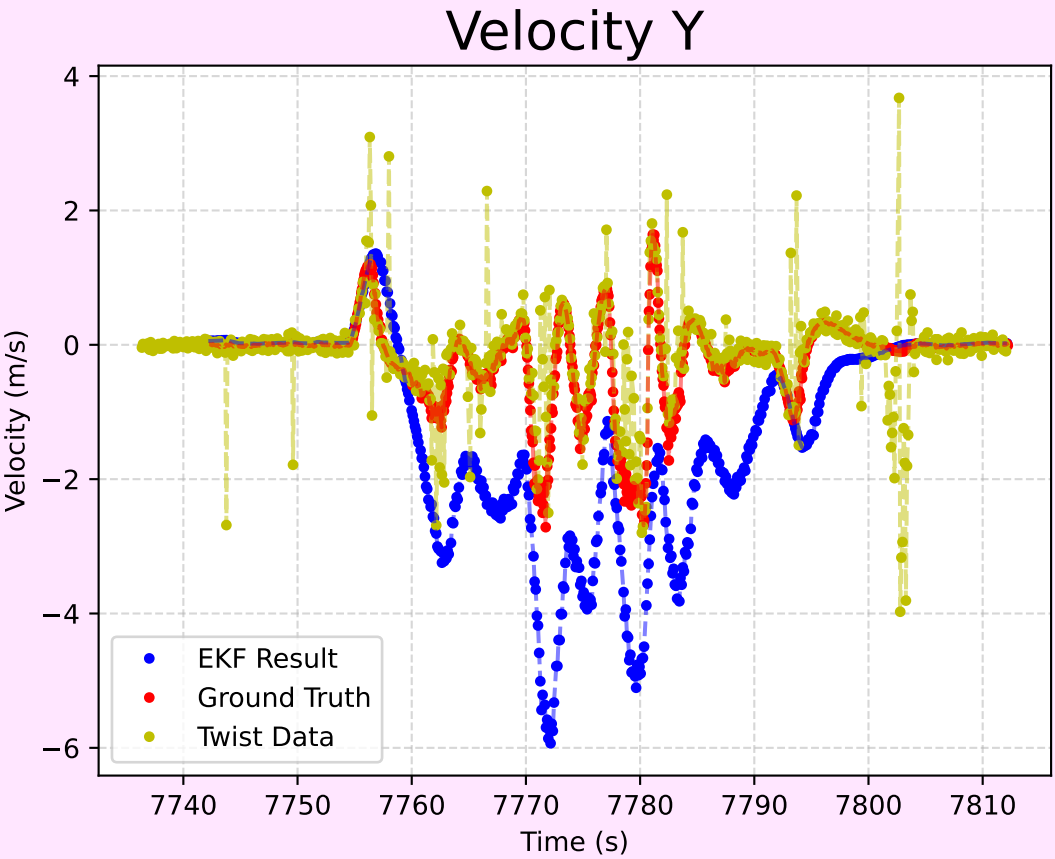
Pitch Comparison

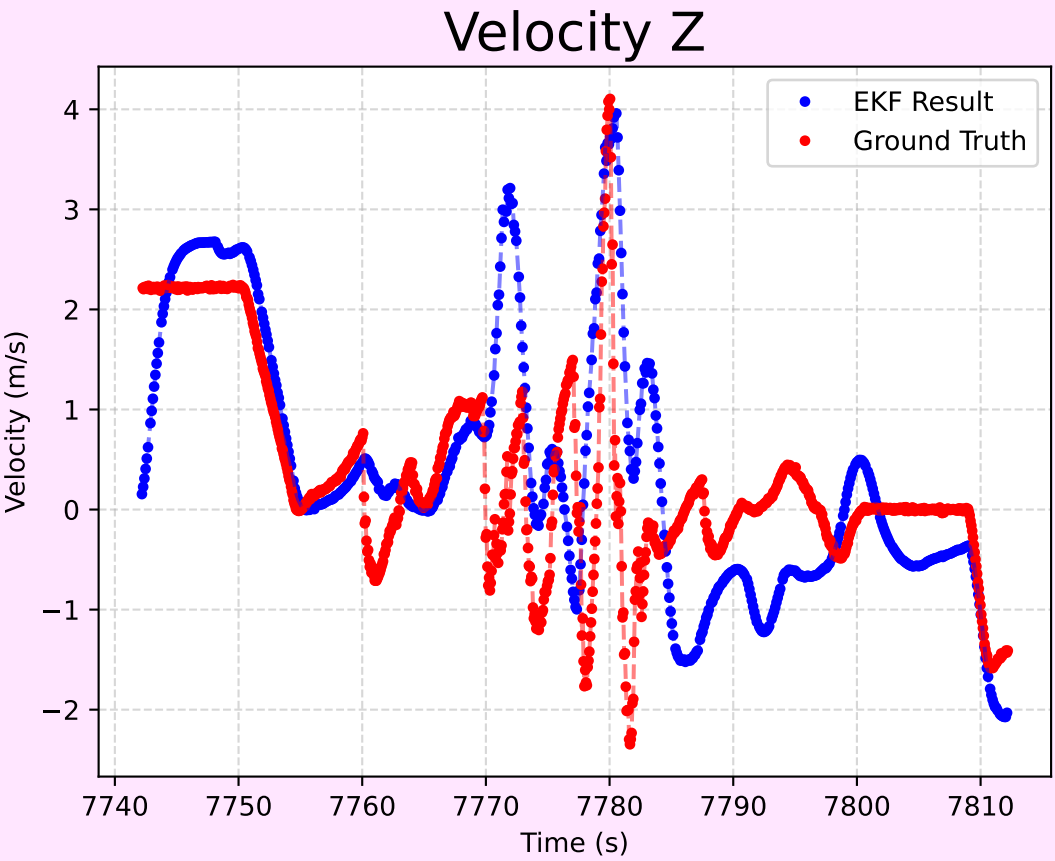


Yaw Comparison



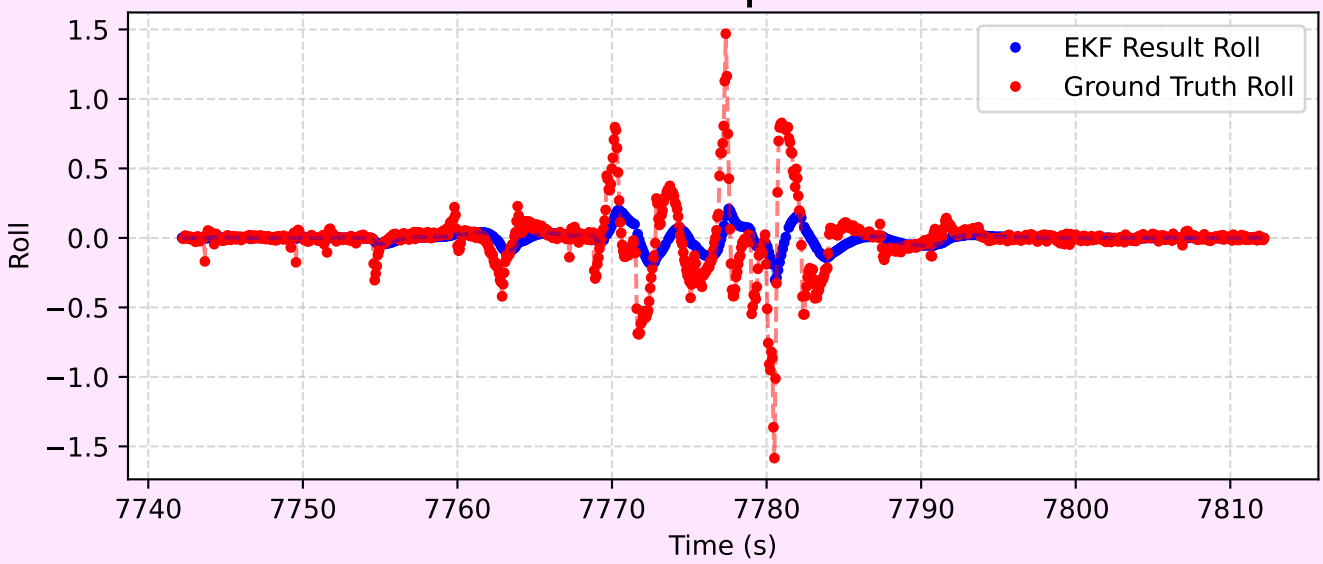

Velocity X
EKF Result
Ground Truth
Twist Data
Velocity (m/s)
Time (s)
20
15
10
5
0
−5
−10
−15
7740
7750
7760
7770
7780
7790
7800
7810


Velocity Y
Velocity (m/s)
Time (s)
EKF Result
Ground Truth
Twist Data
4
2
0
−2
−4
−6
7740
7750
7760
7770
7780
7790
7800
7810

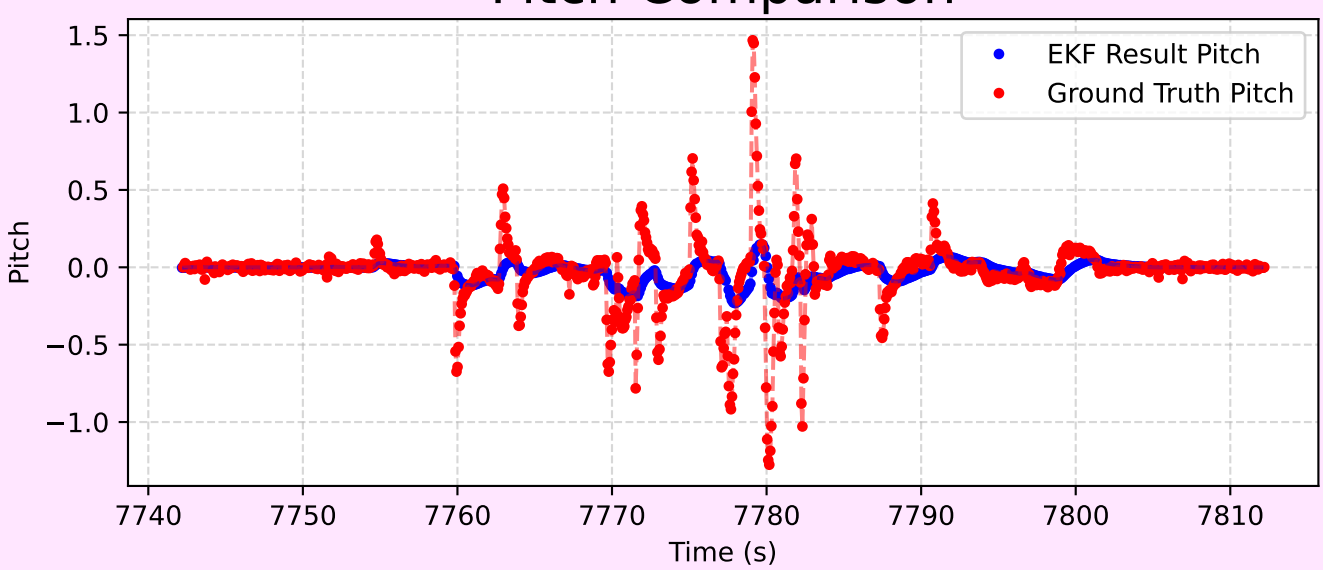
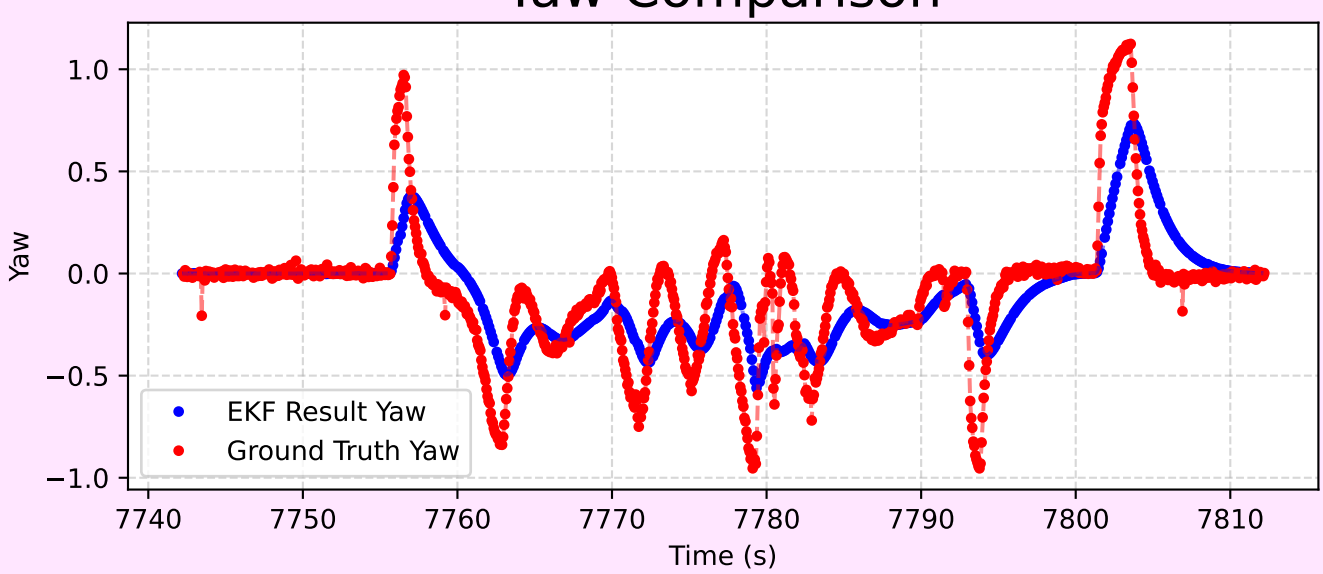

Velocity Z
EKF Result
Ground Truth
Velocity (m/s)
Time (s)
4
3
2
1
0
−1
−2
7740
7750
7760
7770
7780
7790
7800
7810

RPY Velocities

Roll Comparison



Pitch Comparison



Yaw Comparison