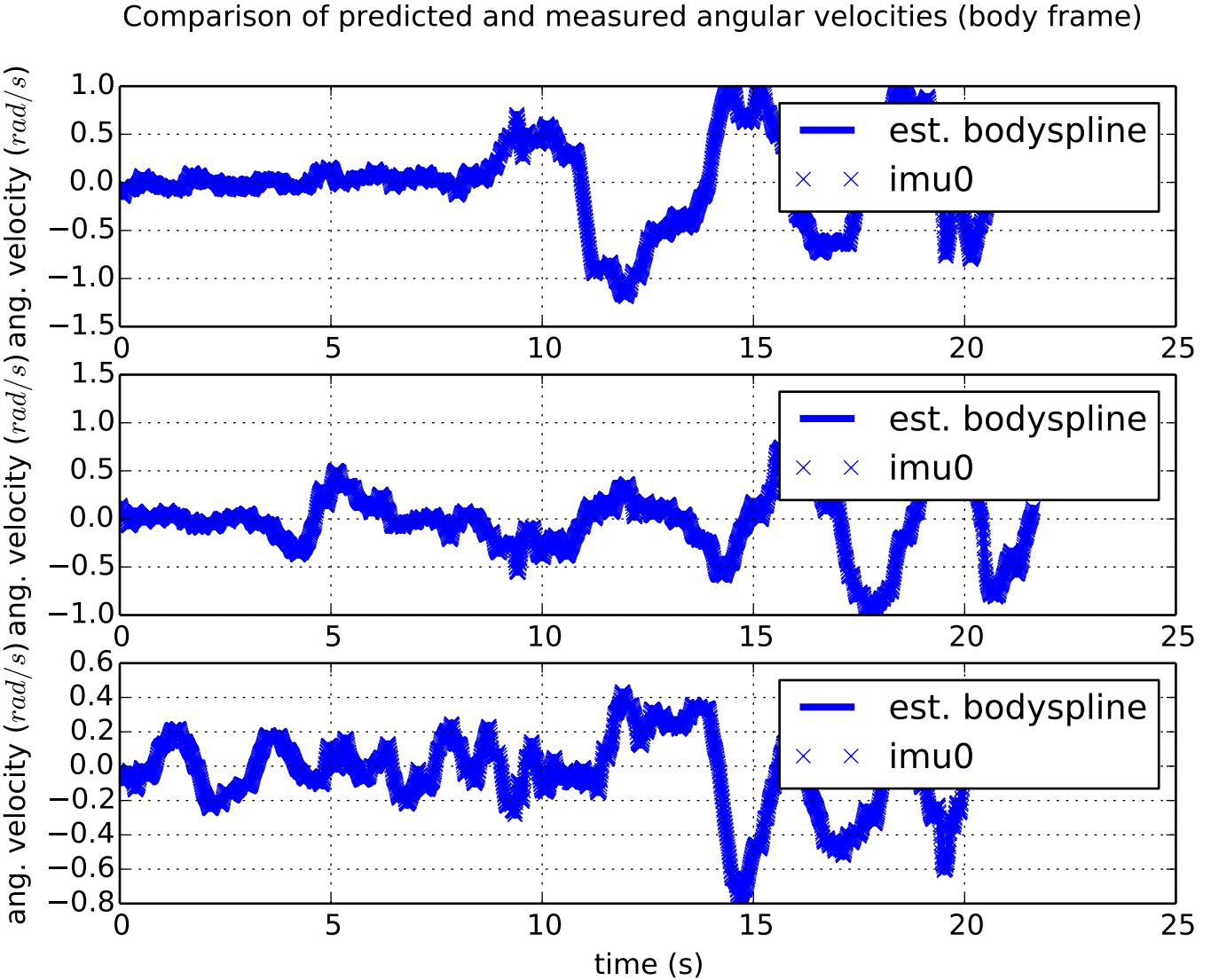
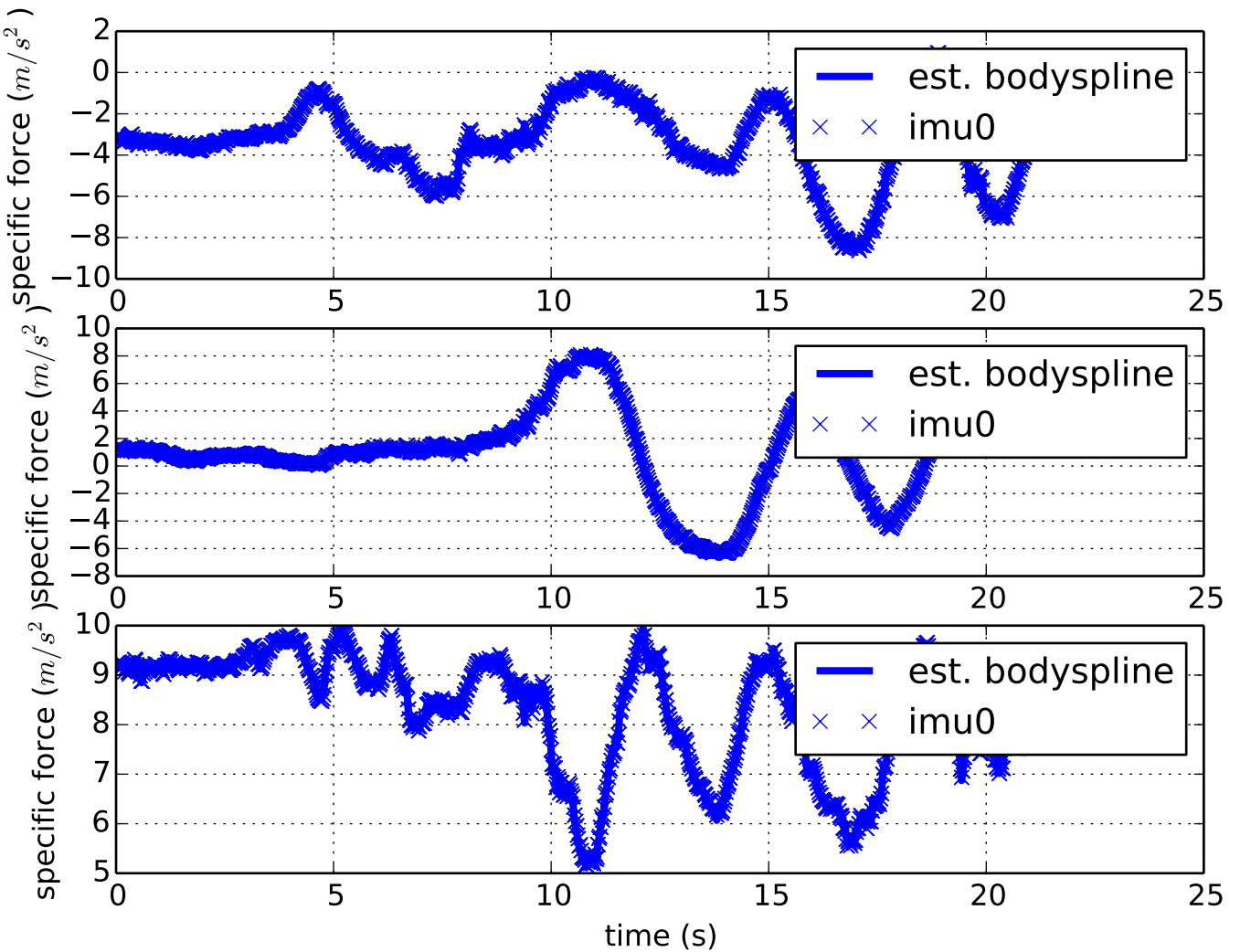
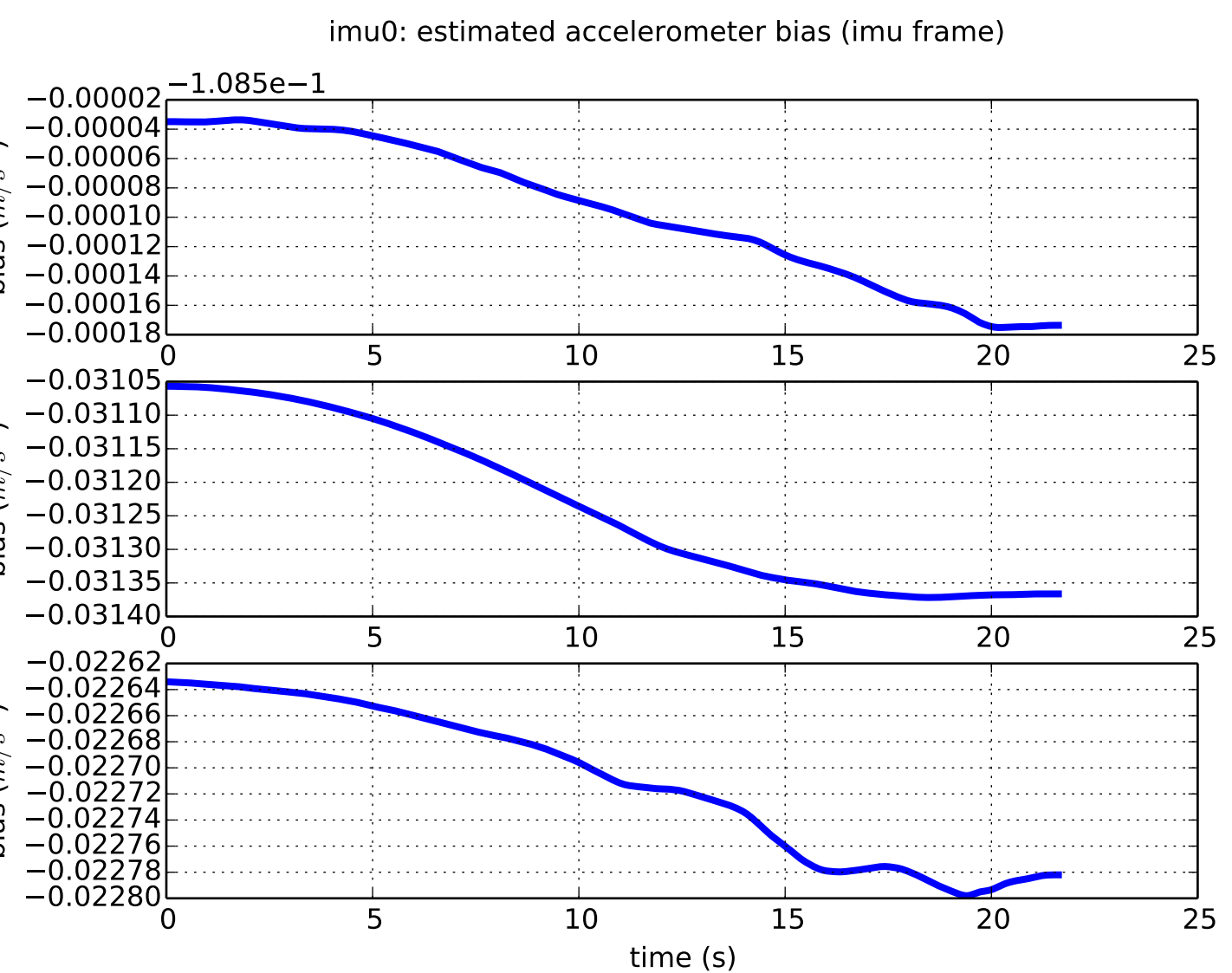
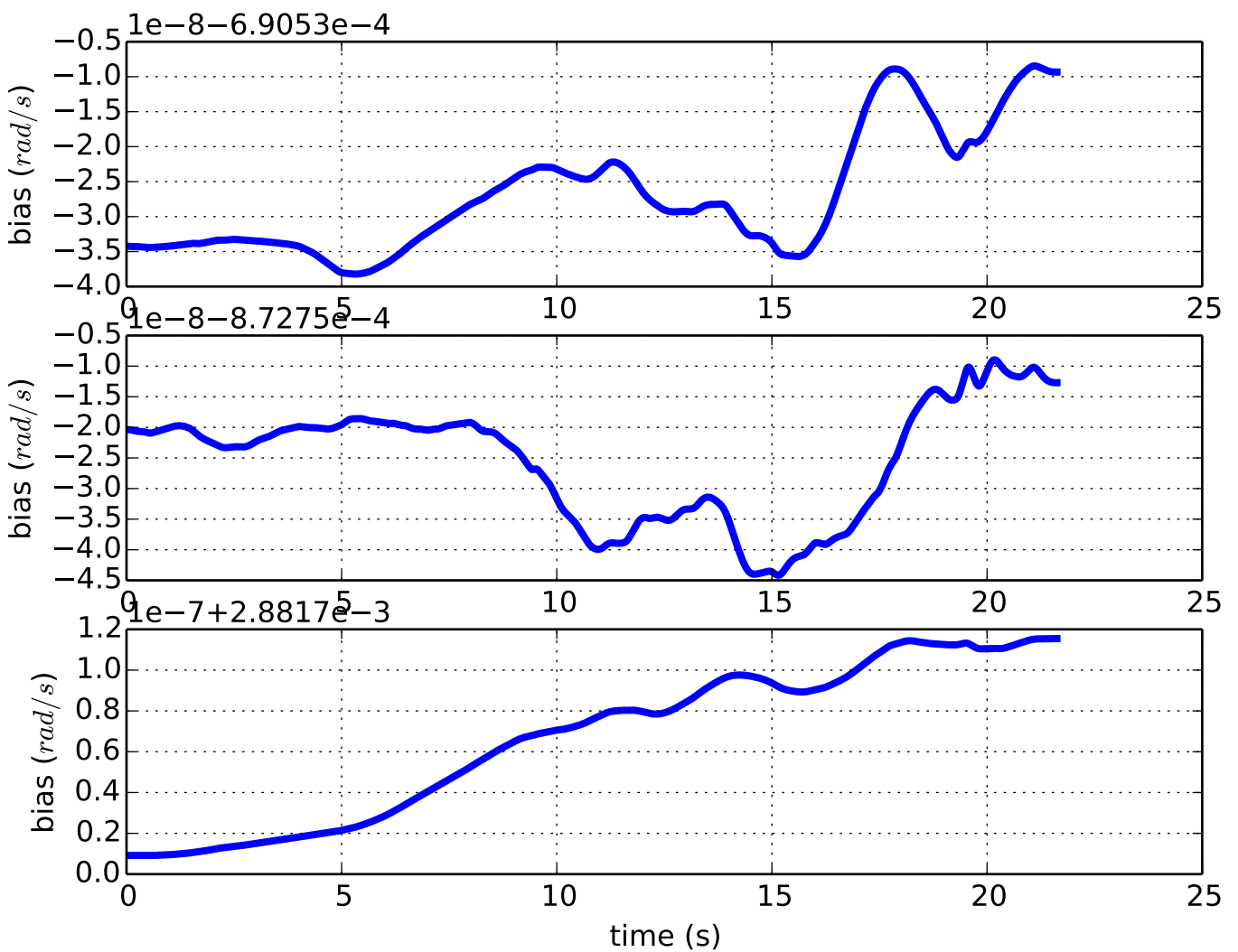
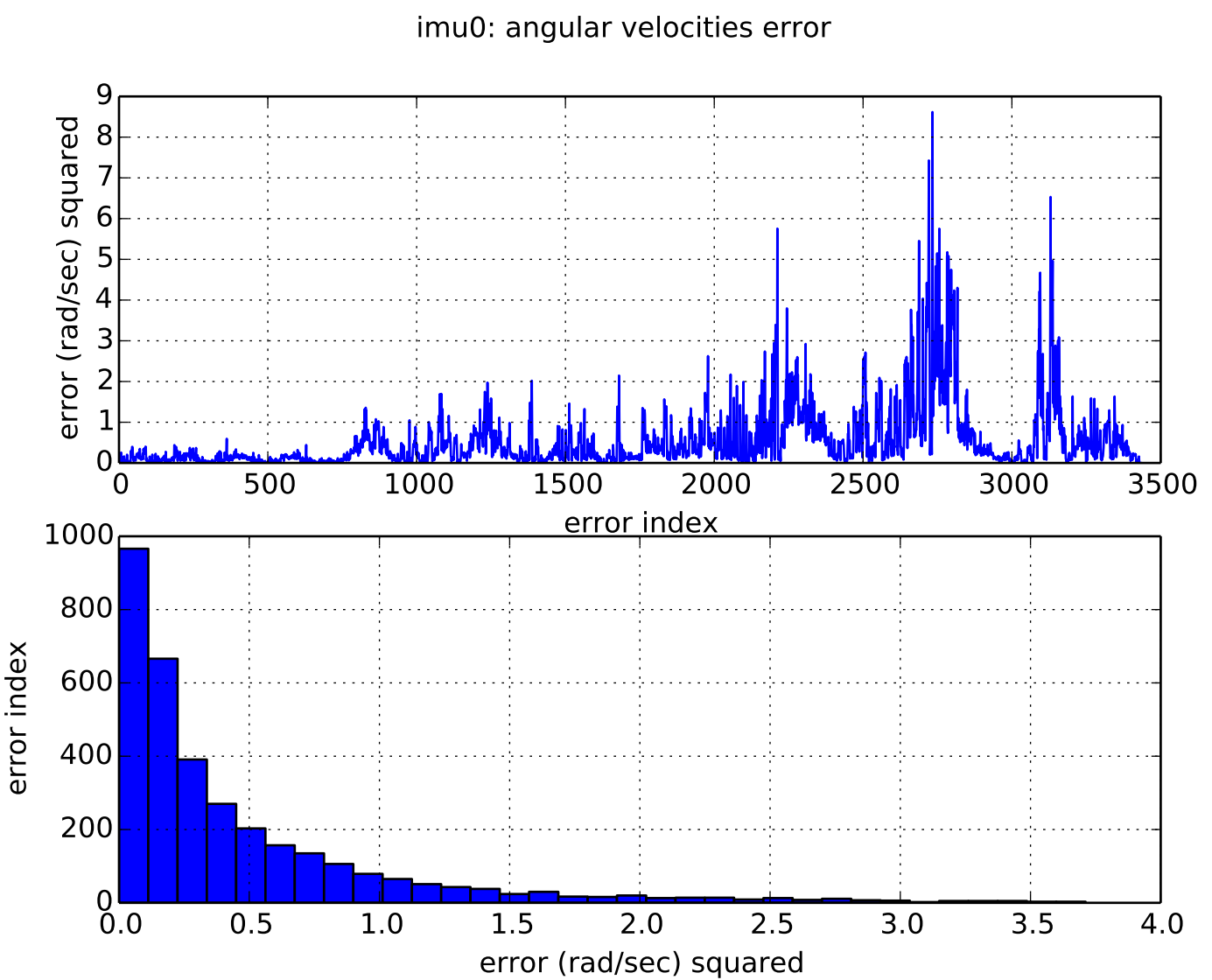
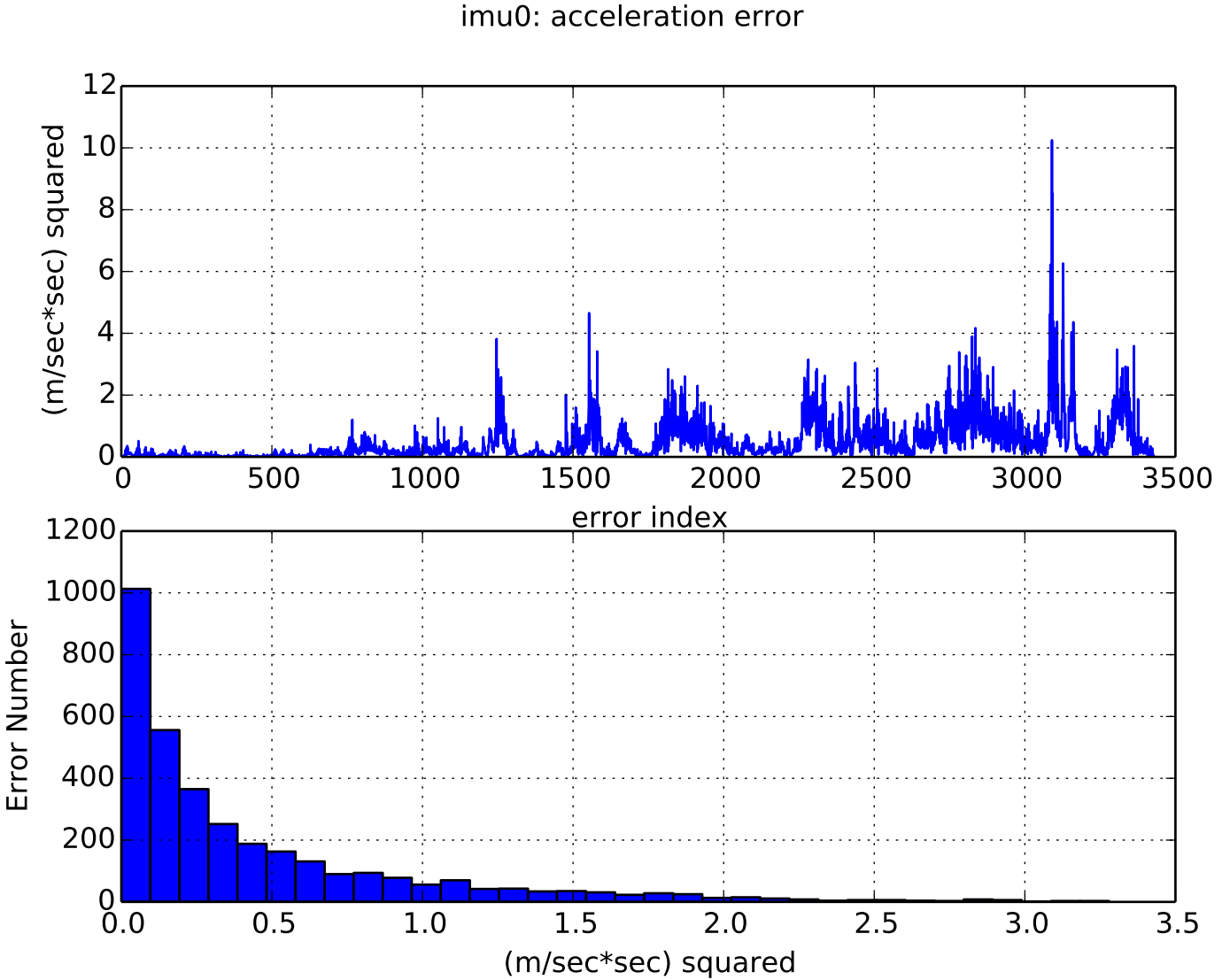

Comparison of predicted and measured angular velocities (body frame)
ang. velocity (rad/s)
ang. velocity (rad/s)
ang. velocity (rad/s)
time (s)
est. bodyspline
imu0
est. bodyspline
imu0
est. bodyspline
imu0

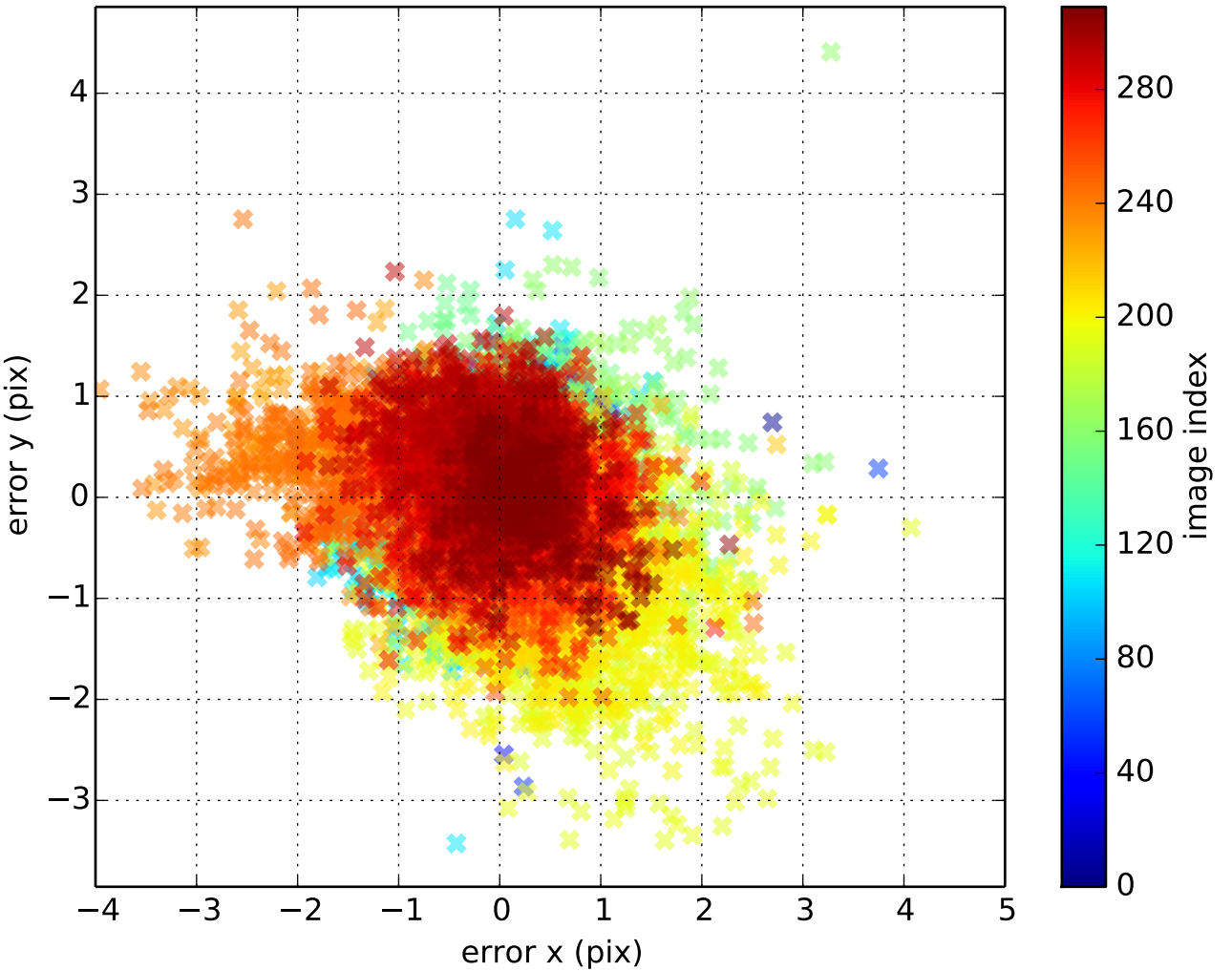

Comparison of predicted and measured specific force (imu0 frame)
specific force (m/s^2)
est. bodyspline
imu0
time (s)

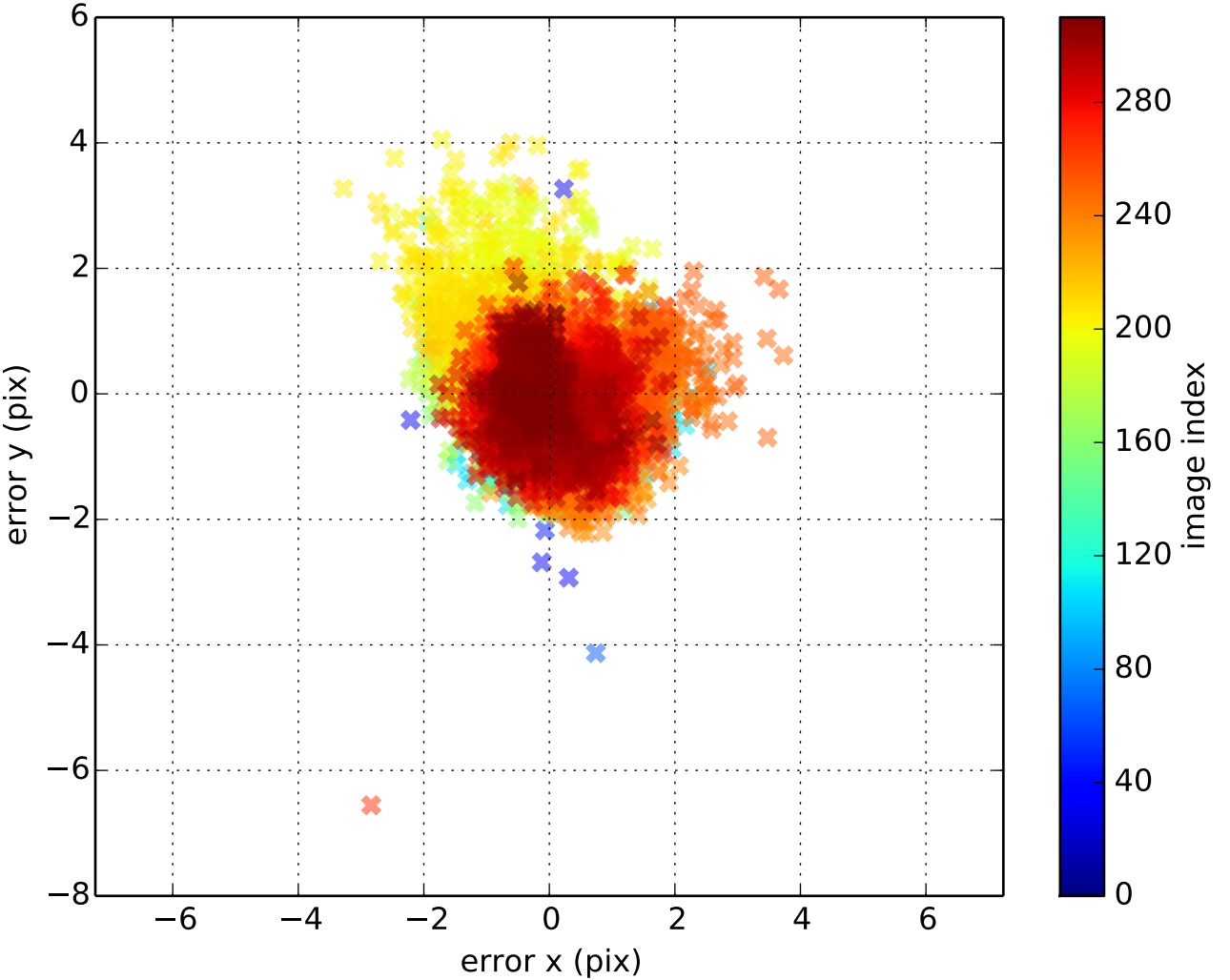

imu0: estimated accelerometer bias (imu frame)
−1.085e−1
−0.00002
−0.00004
−0.00006
−0.00008
−0.00010
−0.00012
−0.00014
−0.00016
−0.00018
−0.03105
−0.03110
−0.03115
−0.03120
−0.03125
−0.03130
−0.03135
−0.03140
−0.02262
−0.02264
−0.02266
−0.02268
−0.02270
−0.02272
−0.02274
−0.02276
−0.02278
−0.02280
0
5
10
15
20
25
time (s)


imu0: estimated gyro bias (imu frame)
1e−8−6.9053e−4
bias (rad/s)
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
−4.0
0
5
10
15
20
25
1e−8−8.7275e−4
bias (rad/s)
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
−4.0
−4.5
0
5
10
15
20
25
1e−7+2.8817e−3
bias (rad/s)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
time (s)


imu0: angular velocities error
error (rad/sec) squared
0
1
2
3
4
5
6
7
8
9
0
500
1000
1500
2000
2500
3000
3500
error index
1000
800
600
400
200
0
error index
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
error (rad/sec) squared


imu0: acceleration error
(m/sec*sec) squared
0
2
4
6
8
10
12
0
500
1000
1500
2000
2500
3000
3500
error index
Error Number
0
200
400
600
800
1000
1200
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
(m/sec*sec) squared


cam0: reprojection errors
error y (pix)
error x (pix)
image index
4
3
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4
5
280
240
200
160
120
80
40
0


cam1: reprojection errors
error y (pix)
error x (pix)
image index
6
4
2
0
−2
−4
−6
−8
−6
−4
−2
0
2
4
6
280
240
200
160
120
80
40
0