Reprojection error (cam0): mean 0.0479081944641, median 0.0437491551522, std: 0.0270269376046 gyroscope error (imu0): mean 0.118826689156, median 0.0693809588756, std: 0.127451636807 Accelerometer error (imu0): mean 2.20624521925, median 0.815326399425, std: 3.08460690975

```
Residuals
```

```
Reprojection error (cam0) [px]:
```

Gyroscope error (imu0) [rad/s]: mean 0.00840231576884, median 0.00490597465062, std: 0.0090121916 Accelerometer error (imu0) [m/s^2]: mean 0.312010191099, median 0.115304565183, std: 0.43622929263

mean 0.0479081944641, median 0.0437491551522, std: 0.027026937604

Transformation (cam0):

[-0.00680797 0.00929114 0.99993366 -0.00632811]

timeshift cam0 to imu0: [s] $(t_imu = t_cam + shift)$ 0.0011860565697835947

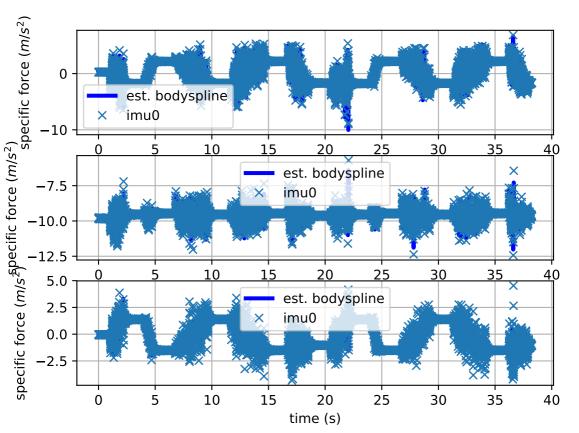
```
Gravity vector in target coords: [m/s^2] [ 9.80405468 -0.21407571  0.05573505]
```

Calibration configuration

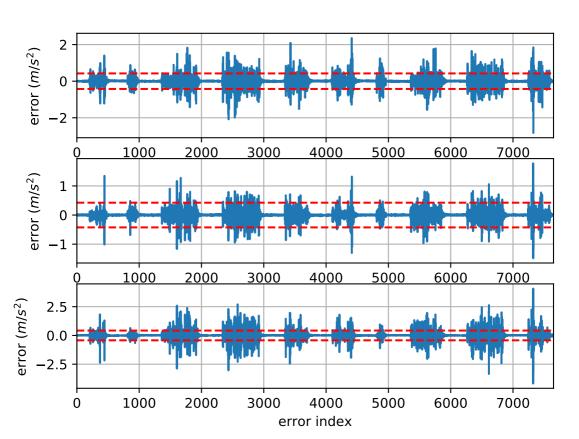
Camera model: pinhole Focal length: [468.2527687453535, 468.3265694180005] Principal point: [364.91196913276707, 215.81303741968622] Distortion model: equidistant Distortion coefficients: [0.011135829319036753, -0.05338166866546771, 0.15329931633590166, -0.1346 Type: checkerboard Rows Count: 7 Distance: 0.07 [m] Cols Count: 6 Distance: 0.07 [m] IMU configuration =========== IMU0: Model: calibrated Update rate: 200.0 Accelerometer: Noise density: 0.01 Noise density (discrete): 0.141421356237 Random walk: 0.0002 Gyroscope: Noise density: 0.005 Noise density (discrete): 0.0707106781187 Random walk: 4e-06 Tib [1, 0, 0, 0, 1][0. 1. 0. 0.] [0, 0, 1, 0, 1] $[0. \ 0. \ 0. \ 1.]]$

time offset with respect to IMLIO: 0.0 [s]

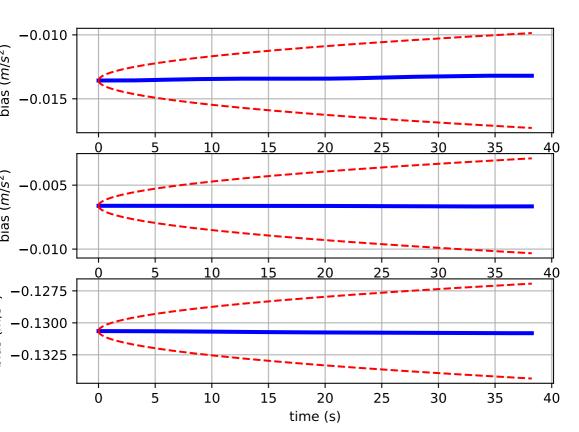
Comparison of predicted and measured specific force (imu0 frame)



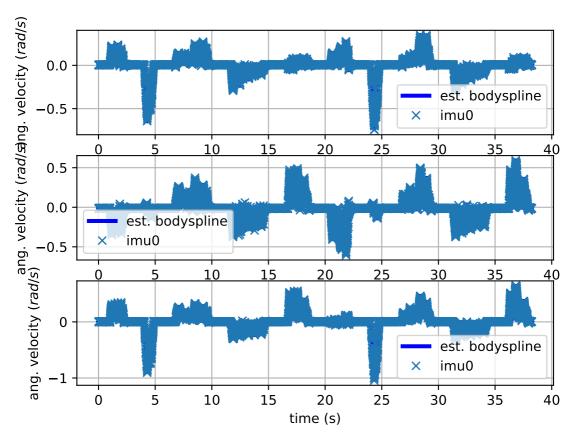
imu0: acceleration error



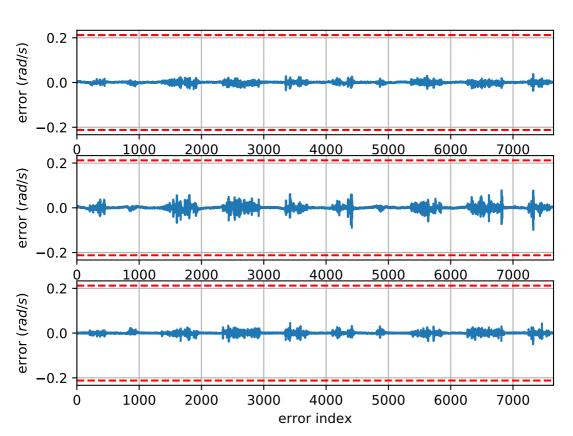
imu0: estimated accelerometer bias (imu frame)



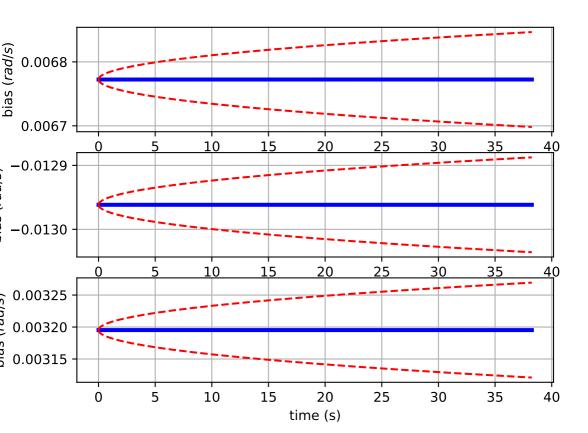
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

