Reprojection error (cam0): mean 0.122070647324, median 0.118657833518, std: 0.0572351797572 gyroscope error (imu0): mean 2.50769958351, median 2.51327907826, std: 0.753649513041 mean 31.9666775196, median 32.0650156162, std: 1.47038691253

Accelerometer error (imu0) [m/s^2]: mean 1.06980965047, median 1.07310067265, std: 0.0492085581302

```
Residuals
```

```
Reprojection error (cam0) [px]: mean 0.122070647324, median 0.118657833518, std: 0.0572351797572
Gyroscope error (imu0) [rad/s]: mean 0.00081374498223, median 0.000815555520417, std: 0.000244558
```

```
Transformation (cam0):
```

T\_ic: (cam0 to imu0): [[-0.00016686 0.99999722 0.00235366 0.00020585]

timeshift cam0 to imu0: [s] ( $t_imu = t_cam + shift$ ) 0.003942084071428783

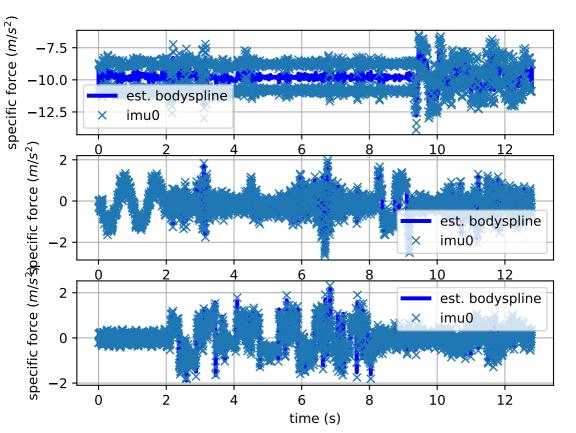
Gravity vector in target coords: [m/s^2] [-0.00740863 9.80652941 -0.01867828]

Calibration configuration

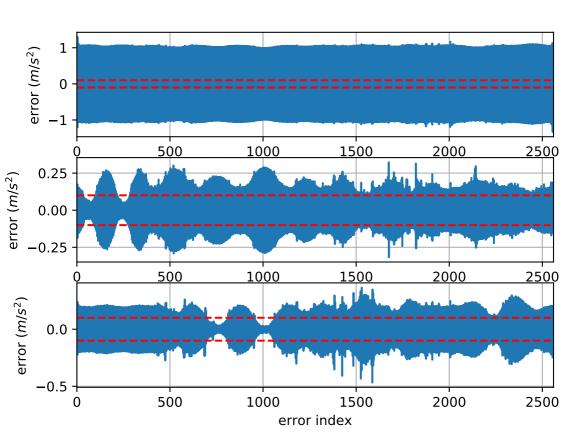
```
Camera model: pinhole
 Focal length: [585.7561, 585.7561]
 Principal point: [320.5, 240.5]
 Distortion model: radtan
 Distortion coefficients: [0.0, 0.0, 0.0, 0.0]
 Type: checkerboard
 Rows
  Count: 6
  Distance: 0.01 [m]
 Cols
  Count: 7
  Distance: 0.01 [m]
IMU configuration
=============
IMU0:
 Model: calibrated
 Update rate: 70.0
 Accelerometer:
  Noise density: 0.004
  Noise density (discrete): 0.0334664010614
  Random walk: 0.006
 Gyroscope:
  Noise density: 3.8785e-05
  Noise density (discrete): 0.000324498591291
  Random walk: 0.0003394
 Tib
  [[1. 0. 0. 0.]]
  [0. 1. 0. 0.]
   [0.0.1.0.]
   [0. \ 0. \ 0. \ 1.]]
```

time offset with respect to IMLIO: 0.0 [s]

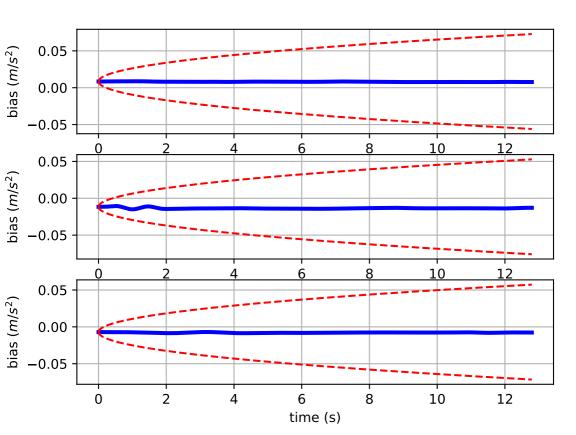
Comparison of predicted and measured specific force (imu0 frame)



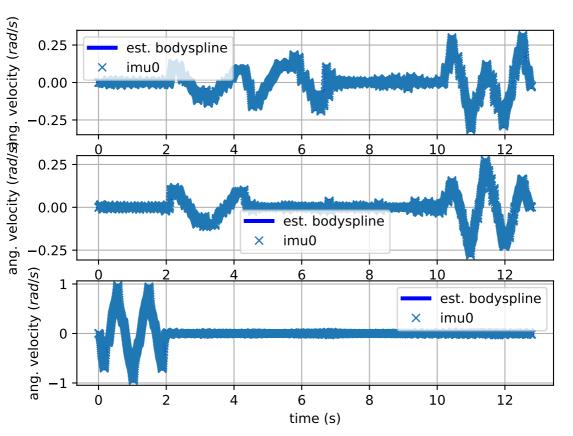
imu0: acceleration error



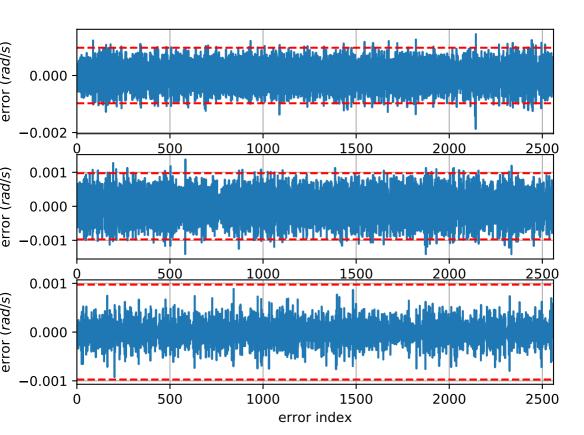
imu0: estimated accelerometer bias (imu frame)



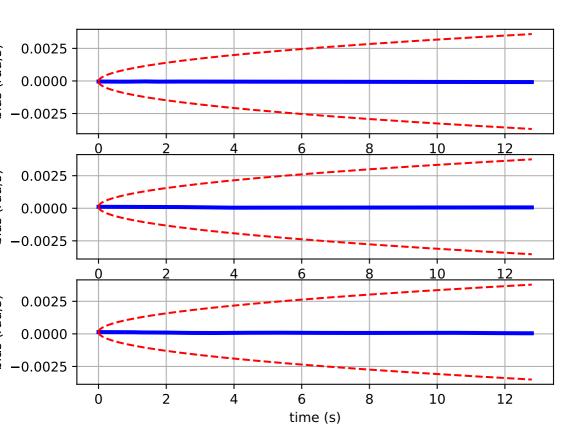
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

