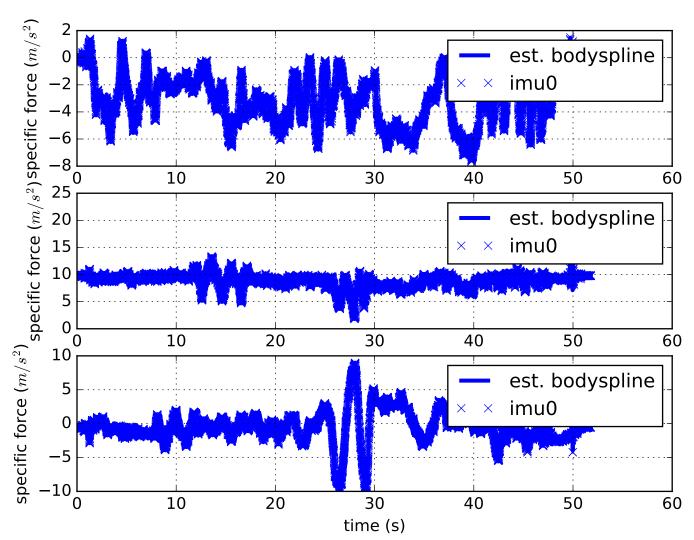
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                          mean 0.694672305268, median 0.500769362202, std: 0.622982692236
Gyroscope error (imu0):
                         mean 2.6140388183, median 1.66465413393, std: 3.04298042959
Accelerometer error (imu0): mean 1.0782207492, median 0.760417103953, std: 1.08139281699
Residuals
Reprojection error (cam0) [px]:
                              mean 0.694672305268, median 0.500769362202, std: 0.622982692236
Gyroscope error (imu0) [rad/s]:
                              mean 0.00739361829881, median 0.00470835290573, std: 0.00860684838712
Accelerometer error (imu0) [m/s^2]: mean 0.12198675254, median 0.0860313745177, std: 0.122345631044
Transformation (cam0):
T ci: (imu0 to cam0):
[[0.00357265 -0.00253994 0.99999039 0.02245631]
[-0.00355775 -0.99999048 -0.00252723 -0.00389295]
[ 0.99998729 -0.00354869 -0.00358165 -0.03608384]
[ 0.
         0.
                0.
                     1.
T ic: (cam0 to imu0):
[[0.00357265 -0.00355775 0.99998729 0.0359893 ]
[-0.00253994 -0.99999048 -0.00354869 -0.00396392]
[ 0.99999039 -0.00252723 -0.00358165 -0.02259517]
10.
         0.
                0.
                       1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.0002529542691947281
Gravity vector in target coords: [m/s^2]
[ 0.02004229 -9.39501986 -2.81098259]
Calibration configuration
   ================
```

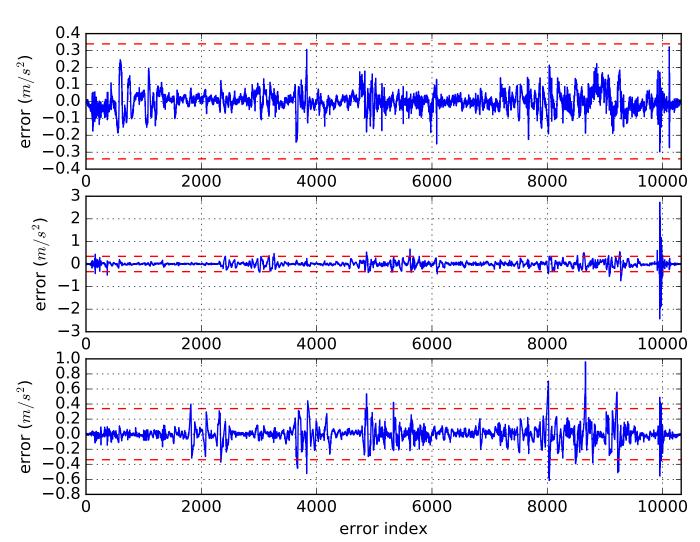
cam0

```
Camera model: pinhole
 Focal length: [615.3483602615959, 615.7788238579407]
 Principal point: [722.6030303539713, 559.3938260066852]
 Distortion model: equidistant
 Distortion coefficients: [0.00724234711283763, 0.034886170986066924, -0.023451860903234357, 0.008058878937190395]
 Type: aprilgrid
 Tags:
  Rows: 6
  Cols: 6
  Size: 0.083 [m]
  Spacing 0.0249 [m]
IMU configuration
=============
IMU0:
_____
 Model: calibrated
 Update rate: 200.0
 Accelerometer:
  Noise density: 0.008
  Noise density (discrete): 0.11313708499
  Random walk: 0.0002
 Gyroscope:
  Noise density: 0.0002
  Noise density (discrete): 0.00282842712475
  Random walk: 4e-06
 Tib
  \bar{1} 0. 0. 0.1
  [0. 1. 0. 0.]
  [0. 0. 1. 0.]
  [0. 0. 0. 1.]]
 time offset with respect to IMU0: 0.0 [s]
```

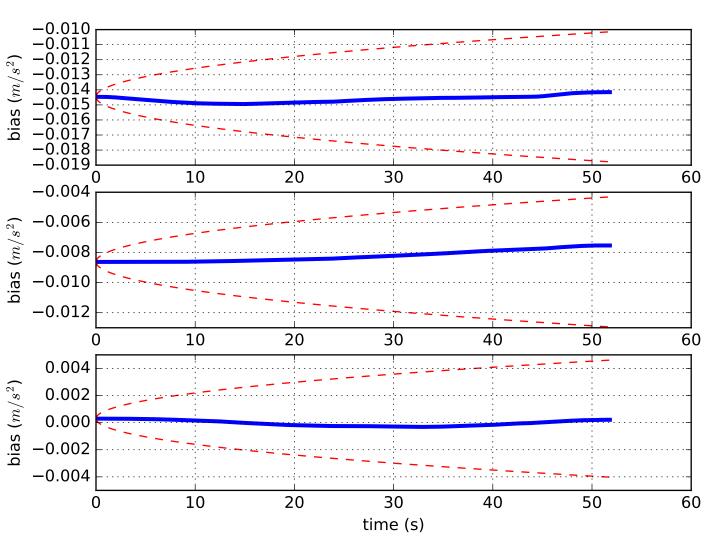
Comparison of predicted and measured specific force (imu0 frame)



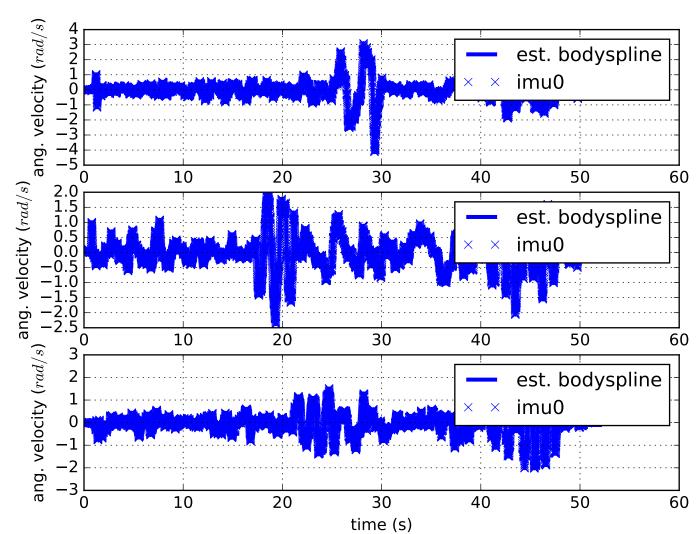
imu0: acceleration error



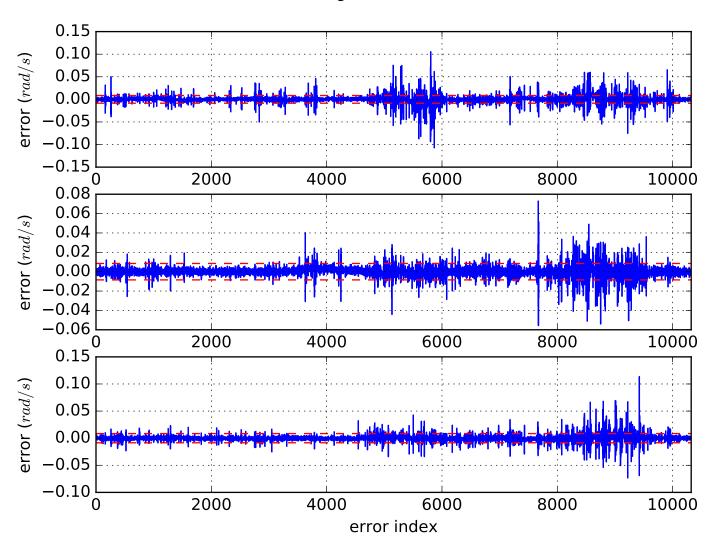
imu0: estimated accelerometer bias (imu frame)



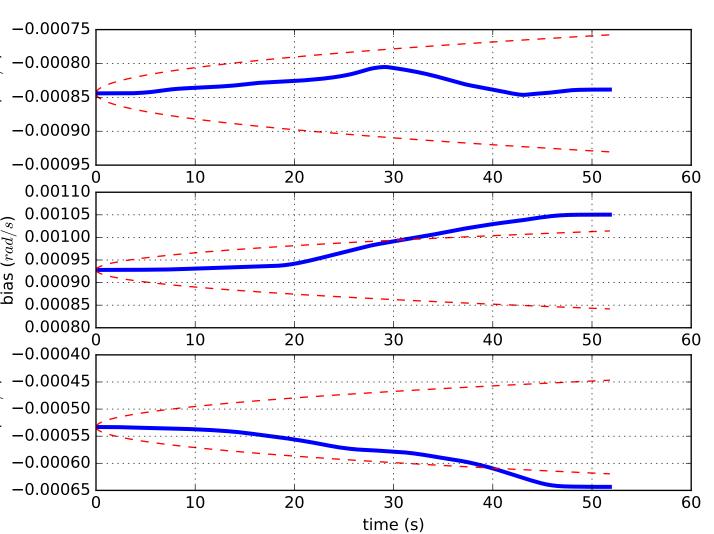
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

