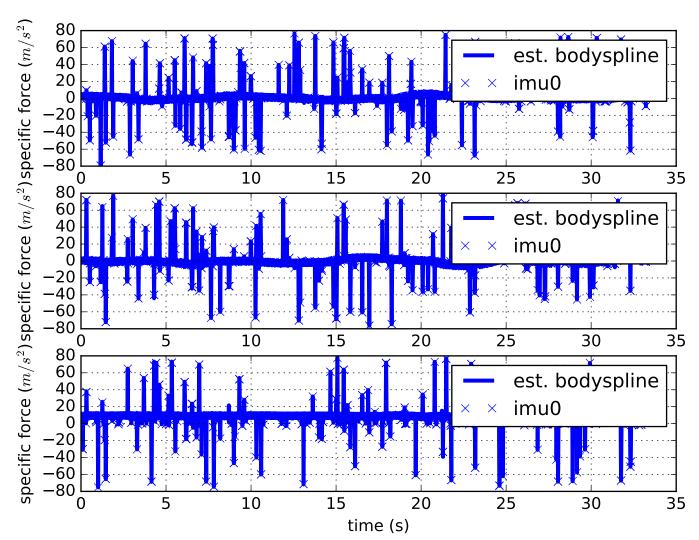
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                          mean 0.668274461998, median 0.481523967314, std: 0.773459807783
Gyroscope error (imu0):
                         mean 2.51319408028, median 0.680145284382, std: 5.18022290966
Accelerometer error (imu0): mean 0.912204853755, median 0.201830760274, std: 2.07949384291
Residuals
Reprojection error (cam0) [px]:
                              mean 0.668274461998, median 0.481523967314, std: 0.773459807783
Gyroscope error (imu0) [rad/s]:
                              mean 0.0904145692286, median 0.0244688794164, std: 0.186363491208
Accelerometer error (imu0) [m/s^2]: mean 0.370945301174, median 0.0820738585721, std: 0.845619782305
Transformation (cam0):
T ci: (imu0 to cam0):
[[0.28460673 -0.66740685 -0.68816212 -0.12849895]
[ 0.92173752 -0.00675148  0.38775555  0.13315853]
[-0.26343682 -0.74466269 0.61325241 0.32129377]
١٥.
         0.
                0.
                     1.
                             -11
T ic: (cam0 to imu0):
[[0.28460673 0.92173752 -0.26343682 -0.00152494]
[-0.66740685 -0.00675148 -0.74466269 0.15439343]
[-0.68816212  0.38775555  0.61325241 -0.33709525]
10.
         0.
                0.
                      1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
-0.538154582641
Gravity vector in target coords: [m/s^2]
[3.62798686 7.91334522 4.51498634]
Calibration configuration
   =================
```

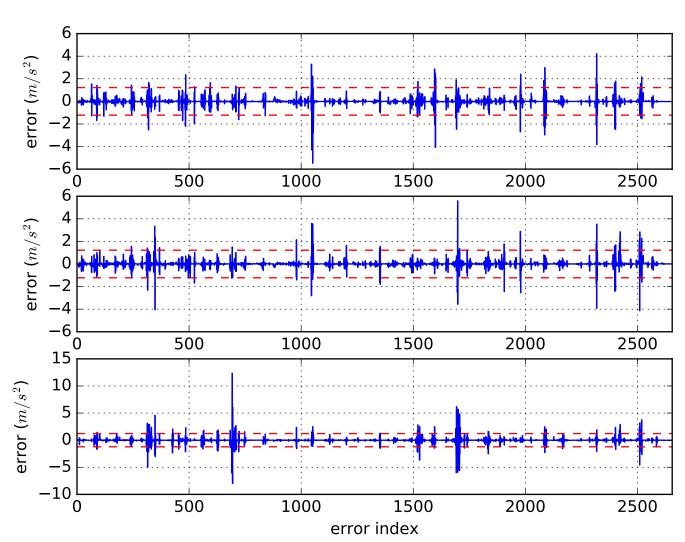
cam0

```
Camera model: pinhole
 Focal length: [530.00468109, 521.86027041]
 Principal point: [428.96714026, 248.36783979]
 Distortion model: equidistant
 Distortion coefficients: [0.31205856, 0.23307093, -0.13151944, 0.12435412]
 Type: aprilgrid
 Tags:
  Rows: 6
  Cols: 6
  Size: 0.072 [m]
  Spacing 0.0216 [m]
IMU configuration
=============
IMU0:
_____
 Model: calibrated
 Update rate: 100.0
 Accelerometer:
  Noise density: 0.0406646927658
  Noise density (discrete): 0.406646927658
  Random walk: 0.00311311645065
 Gyroscope:
  Noise density: 0.00359759598107
  Noise density (discrete): 0.0359759598107
  Random walk: 0.000114424620336
 Tib
  [1.0.0.0.0]
  [0. 1. 0. 0.]
  [0. 0. 1. 0.]
  [0. 0. 0. 1.]
```

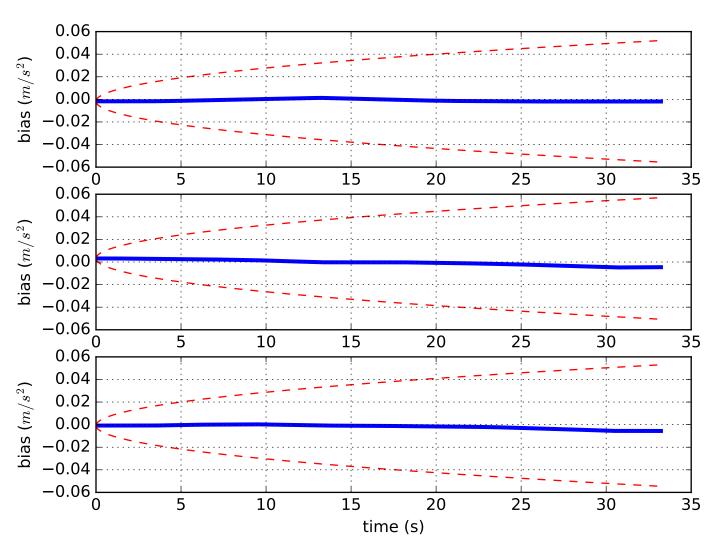
time offset with respect to IMU0: 0.0 [s]



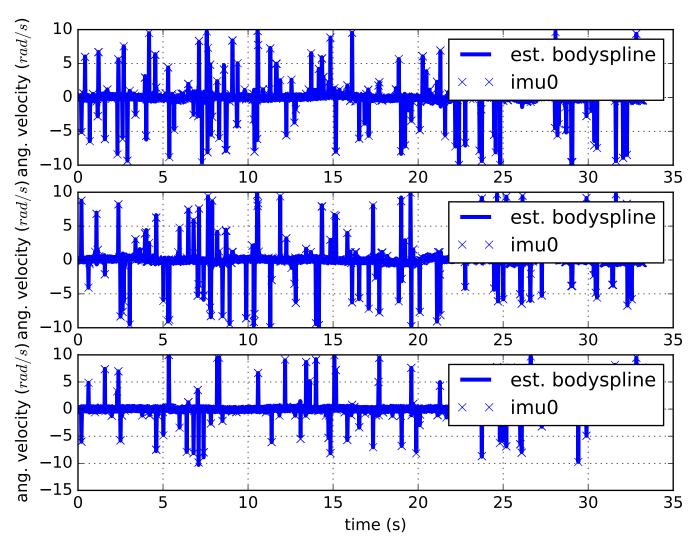
imu0: acceleration error



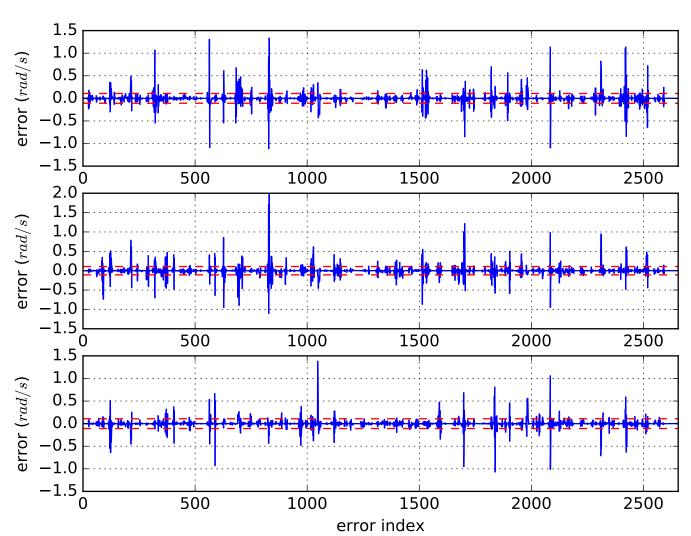
imu0: estimated accelerometer bias (imu frame)



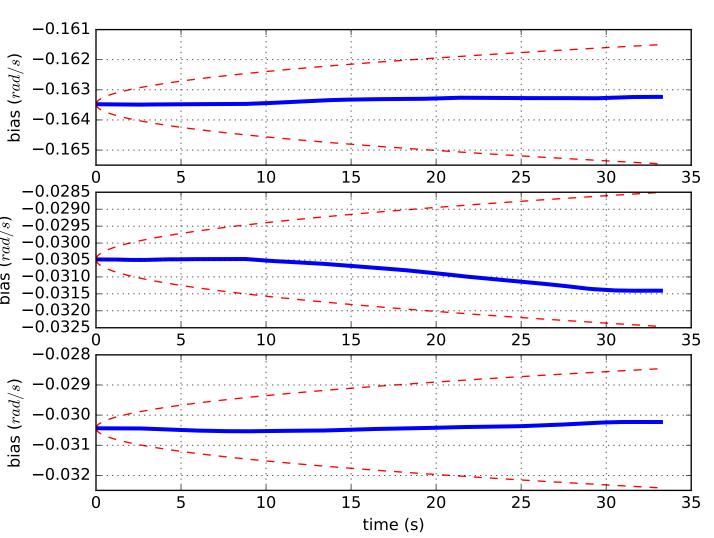
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

