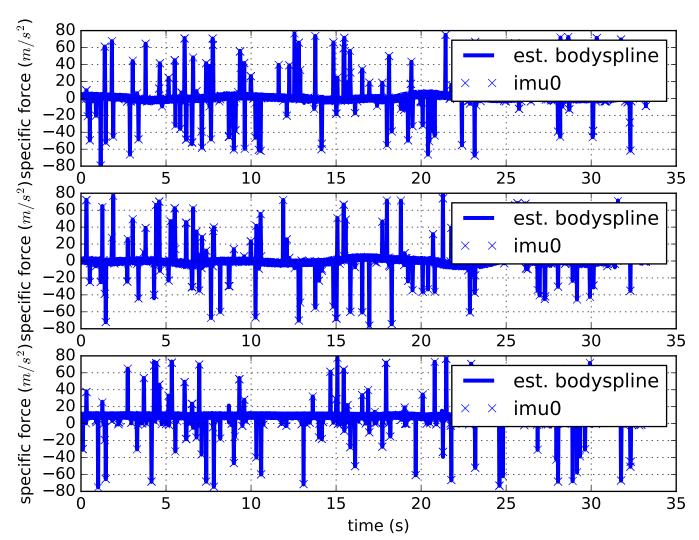
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                         mean 0.668370392429, median 0.481367760623, std: 0.772818103027
Gyroscope error (imu0):
                         mean 2.51397314825, median 0.682521224549, std: 5.16341099429
Accelerometer error (imu0): mean 0.915574949444, median 0.202355123844, std: 2.07972150085
Residuals
Reprojection error (cam0) [px]:
                              mean 0.668370392429, median 0.481367760623, std: 0.772818103027
Gyroscope error (imu0) [rad/s]:
                              mean 0.0904425969464, median 0.0245543561443, std: 0.185758666417
Accelerometer error (imu0) [m/s^2]: mean 0.372315740232, median 0.0822870894071, std: 0.845712358706
Transformation (cam0):
T ci: (imu0 to cam0):
[[0.28220108 -0.67072201 -0.68592604 -0.13227272]
[ 0.92281473 -0.00566706  0.38520237  0.1366922  ]
[-0.26225089 -0.74168717 0.6173529 0.33252639]
١٥.
         0.
                0.
                     1.
                             -11
T ic: (cam0 to imu0):
[[0.28220108 0.92281473 -0.26225089 -0.00160873]
[-0.67072201 -0.00566706 -0.74168717 0.15868698]
[-0.68592604 0.38520237 0.6173529 -0.34866959]
10.
         0.
                0.
                      1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
-0.53817077147
Gravity vector in target coords: [m/s^2]
[3.65328241 7.85910384 4.58872939]
Calibration configuration
   ================
```

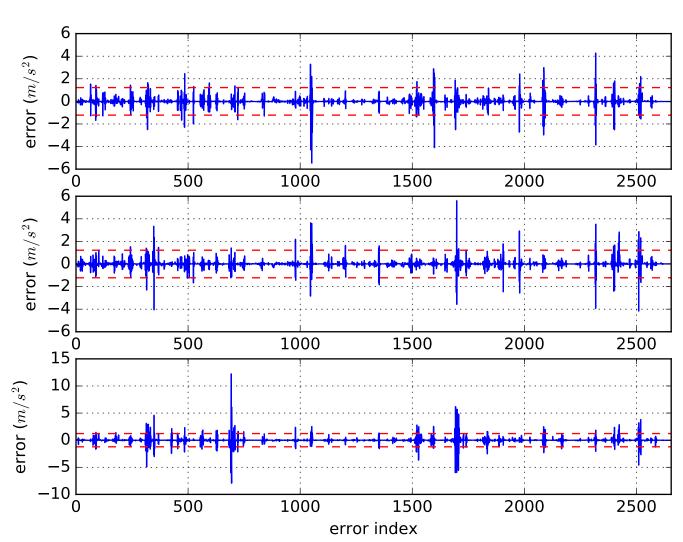
cam0

```
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.]
```

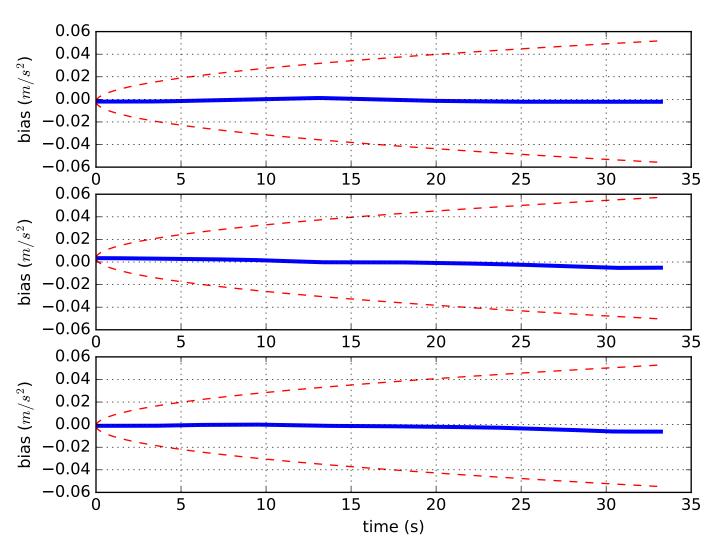
time offset with respect to IMU0: 0.0 [s]



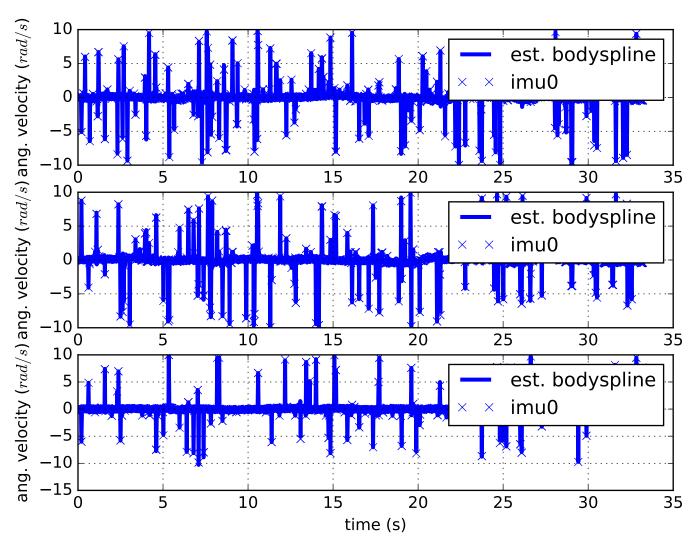
imu0: acceleration error



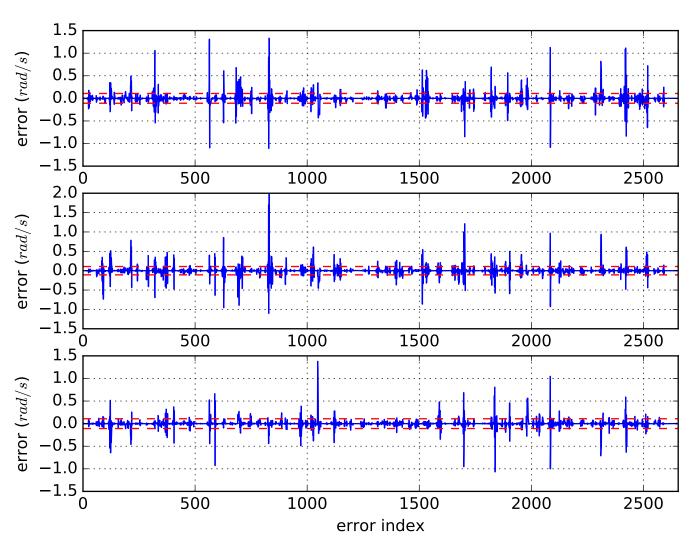
imu0: estimated accelerometer bias (imu frame)



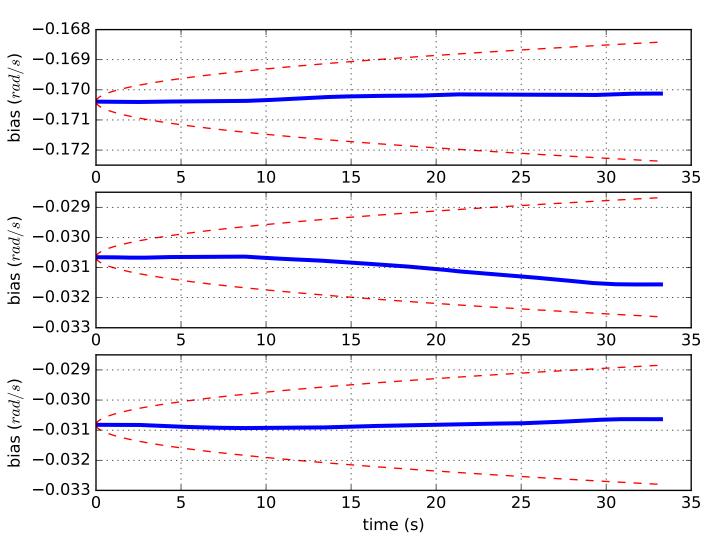
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

