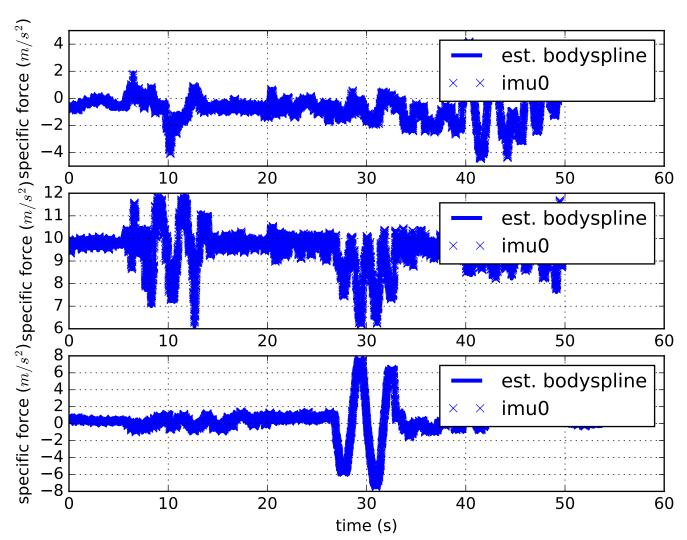
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                          mean 0.283711282251, median 0.217126491034, std: 0.259883116162
Gyroscope error (imu0):
                         mean 1.49905289154, median 1.2350474613, std: 1.73552878651
Accelerometer error (imu0): mean 0.583929529255, median 0.470103473039, std: 0.469526906656
Residuals
Reprojection error (cam0) [px]:
                              mean 0.283711282251, median 0.217126491034, std: 0.259883116162
Gyroscope error (imu0) [rad/s]:
                              mean 0.00423996185985, median 0.00349324173988, std: 0.00490881669554
Accelerometer error (imu0) [m/s^2]: mean 0.0660640847794, median 0.0531861365832, std: 0.0531209055433
Transformation (cam0):
T ci: (imu0 to cam0):
[[-0.00300079 -0.00525584 0.99998169 0.02218949]
[-0.00309401 -0.99998135 -0.00526513 -0.00832195]
[ 0.99999071 -0.00310976  0.00298447 -0.03439643]
١٥.
         0.
                0.
                     1.
T ic: (cam0 to imu0):
[-0.00300079 - 0.00309401 \ 0.999999071 \ 0.03443695]
[-0.00525584 -0.99998135 -0.00310976 -0.00831214]
[ 0.99998169 -0.00526513  0.00298447 -0.02213025]
                       1. 11
10.
         0.
                0.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
-0.00025963125189613125
Gravity vector in target coords: [m/s^2]
[ 0.03041738 -9.77099203 -0.83379396]
Calibration configuration
   ================
```

cam0

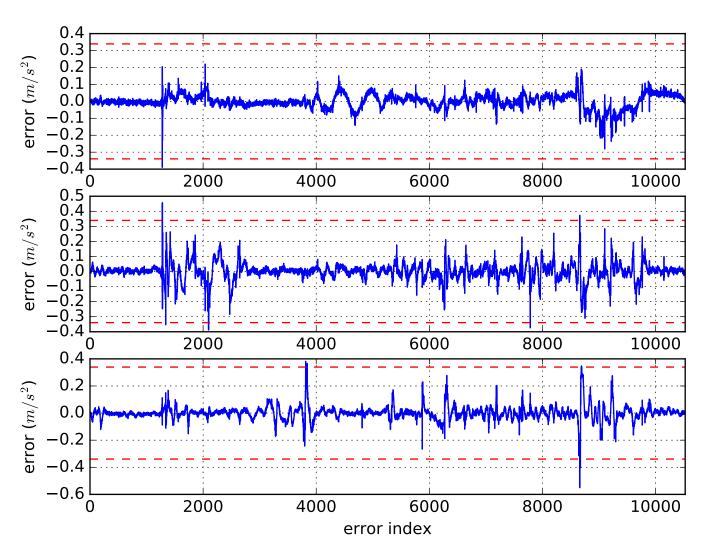
Camera model: pinhole Focal length: [306.2289138632509, 306.23142661593863] Principal point: [358.1670383963926, 279.7492693707437] Distortion model: equidistant Distortion coefficients: [0.02412803828081601, 0.00038973037641540435, 0.005484431467327144, -0.00043717843426692394] Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.088 [m] Spacing 0.0264 [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

[[1. 0. 0. 0.] [0. 1. 0. 0.] [0. 0. 1. 0.] [0. 0. 0. 1.]]

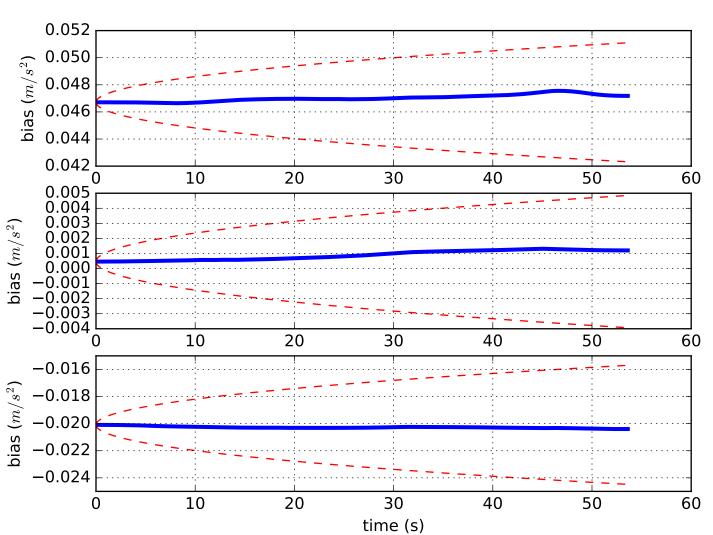
time offset with respect to IMU0: 0.0 [s]



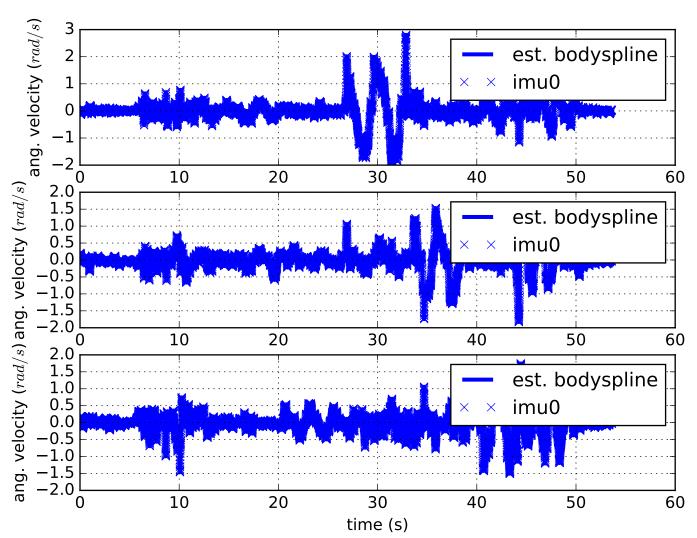
imu0: acceleration error



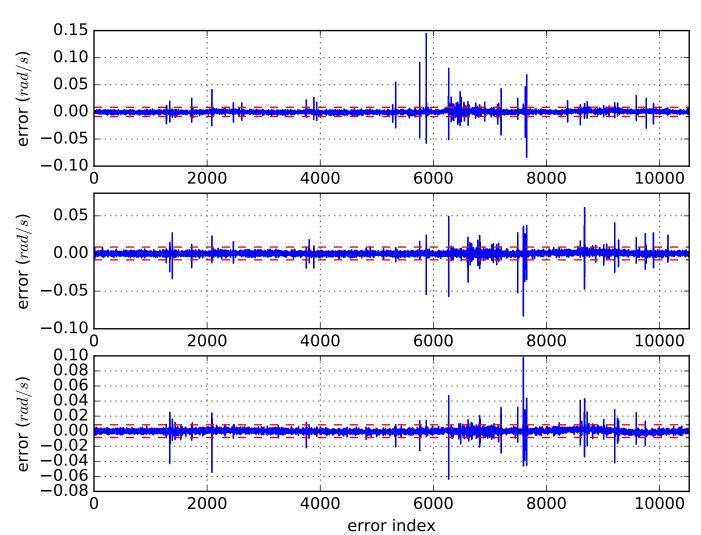
imu0: estimated accelerometer bias (imu frame)



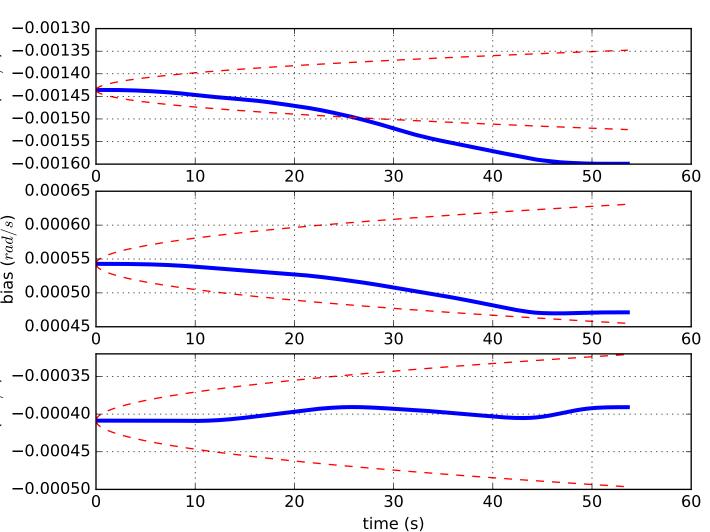
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

