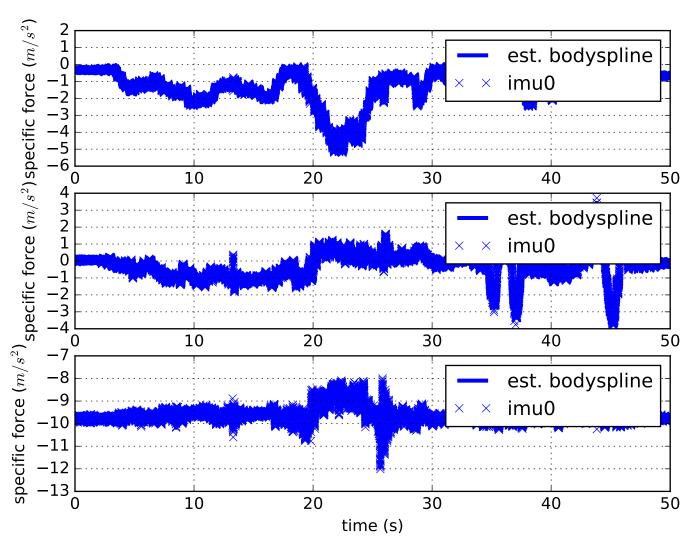
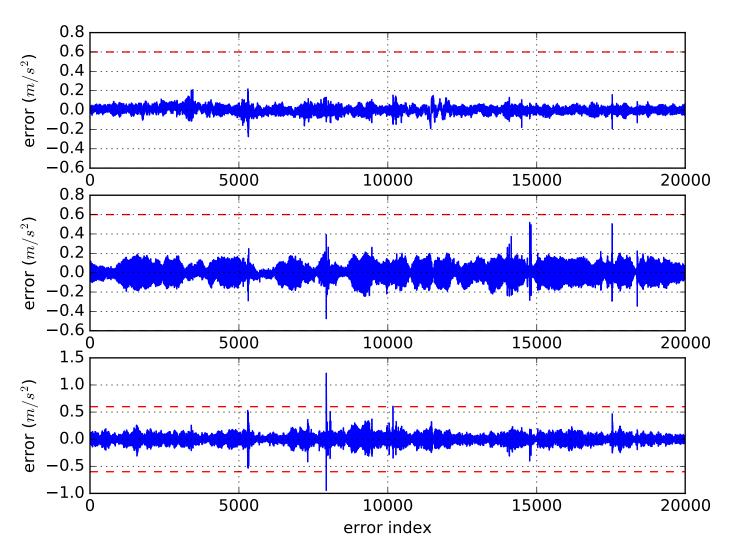
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                         mean 0.29449129405, median 0.261180771999, std: 0.184178530449
Gyroscope error (imu0):
                         mean 0.244396506703, median 0.183344405421, std: 0.200305906632
Accelerometer error (imu0): mean 0.508492327471, median 0.465230774895, std: 0.280783317749
Residuals
Reprojection error (cam0) [px]:
                             mean 0.29449129405, median 0.261180771999, std: 0.184178530449
Gyroscope error (imu0) [rad/s]:
                              mean 0.0244396506703, median 0.0183344405421, std: 0.0200305906632
Accelerometer error (imu0) [m/s^2]: mean 0.101698465494, median 0.0930461549789, std: 0.0561566635497
Transformation (cam0):
T ci: (imu0 to cam0):
[[0.00913099 0.99991692 0.00909838 -0.03392602]
[-0.01221164 -0.00898658 0.99988505 -0.01121522]
[ 0.99988374 -0.00924104  0.01212857 -0.30857458]
١٥.
         0.
                0.
                     1.
T ic: (cam0 to imu0):
[[0.00913099 -0.01221164 0.99988374 0.30871153]
[ 0.99991692 -0.00898658 -0.00924104  0.03097086]
0.00909838 0.99988505 0.01212857 0.01526517
                          - 11
10.
         0.
                0.
                      1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
-0.0114635408429
Gravity vector in target coords: [m/s^2]
[ 0.09636915 -9.69488116 -1.47255398]
Calibration configuration
   =================
```

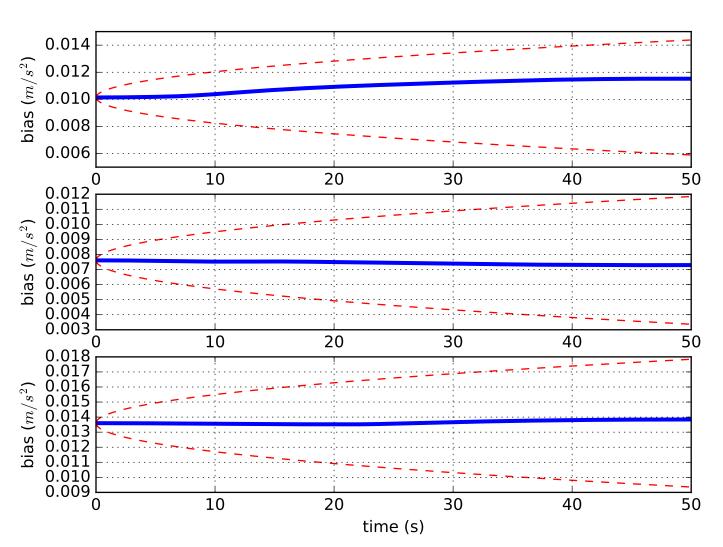
cam0

Camera model: pinhole Focal length: [859.3439686221952, 858.474721003607] Principal point: [646.7408841989316, 523.7896653375846] Distortion model: equidistant Distortion coefficients: [-0.03296527751484443, 0.04097100702363113, -0.07384725316720045, 0.04425672598228086] Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.083 [m] Spacing 0.0249 [m] IMU configuration ============= IMU0: _____ Model: calibrated Update rate: 400.0 Accelerometer: Noise density: 0.01 Noise density (discrete): 0.2 Random walk: 0.0002 Gyroscope: Noise density: 0.005 Noise density (discrete): 0.1 Random walk: 4e-06 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]

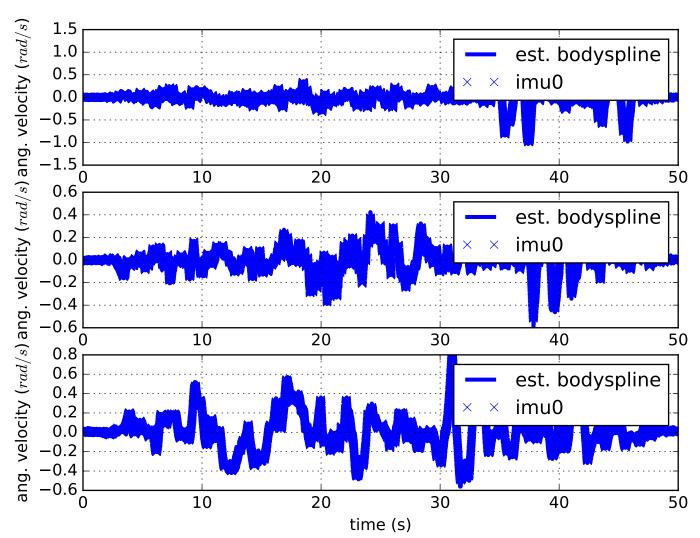


imu0: acceleration error

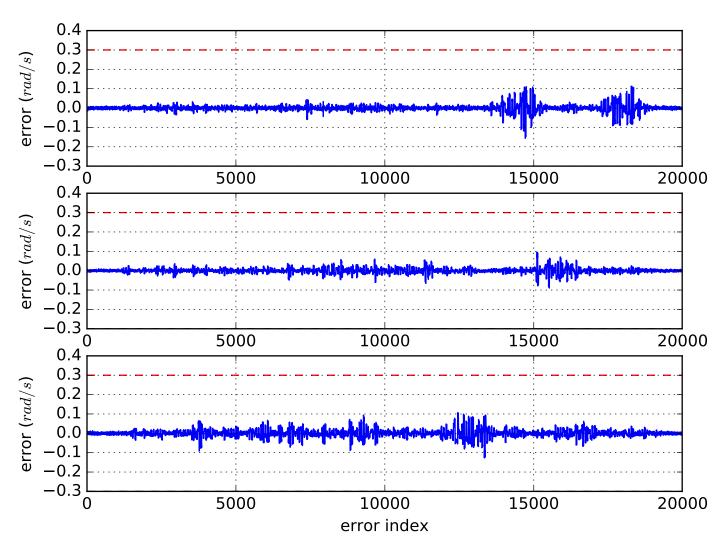




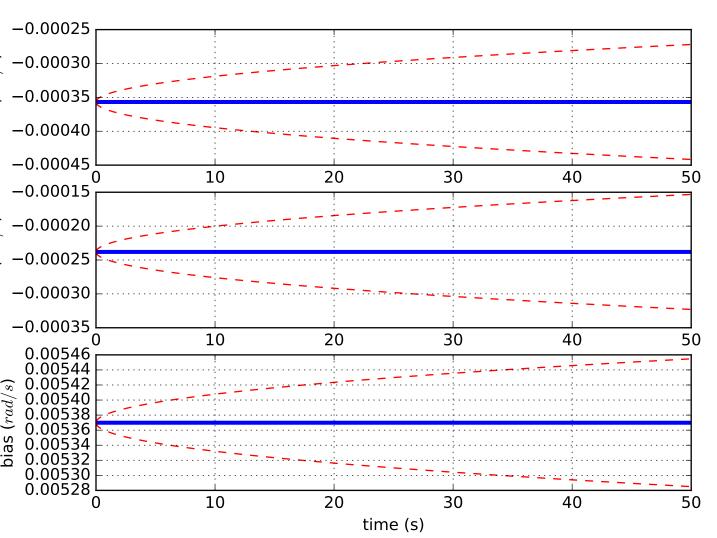
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

