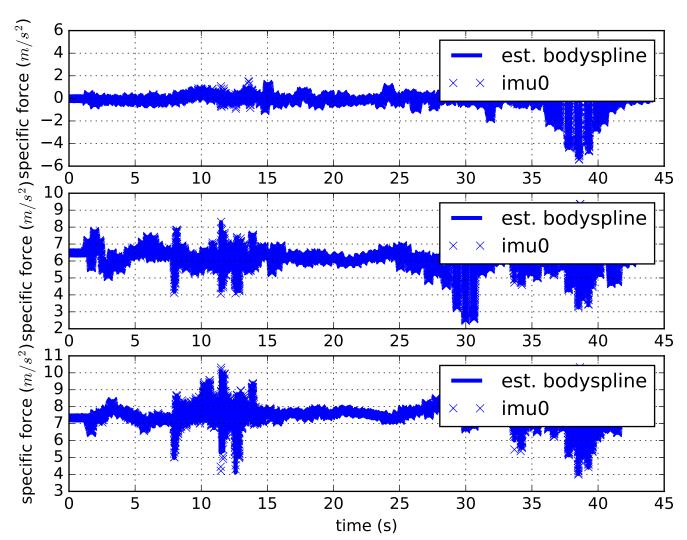
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                         mean 0.237882793403, median 0.20704159928, std: 0.14984749423
Gyroscope error (imu0):
                         mean 0.133990039624, median 0.0989186131641, std: 0.108919385857
Accelerometer error (imu0): mean 0.475209047823, median 0.267036521662, std: 0.685089553542
Residuals
Reprojection error (cam0) [px]:
                              mean 0.237882793403, median 0.20704159928, std: 0.14984749423
Gyroscope error (imu0) [rad/s]:
                              mean 0.00947452656295, median 0.00699460221539, std: 0.0077017636342
Accelerometer error (imu0) [m/s^2]: mean 0.0672047080394, median 0.0377646670583, std: 0.0968862938059
Transformation (cam0):
T ci: (imu0 to cam0):
[[-0.99989865 -0.00867233 0.01129115 0.05501367]
[-0.01102667 -0.02996205 -0.99949021 0.01308897]
[ 0.00900622 -0.99951341  0.02986338 -0.11810204]
                             11
١٥.
         0.
                0.
                     1.
T ic: (cam0 to imu0):
[[-0.99989865 -0.01102667 0.00900622 0.05621607]
[-0.00867233 -0.02996205 -0.99951341 -0.11717531]
[ 0.01129115 -0.99949021 0.02986338 0.01598806]
10.
         0.
                0.
                      1. 11
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.00414261421299
Gravity vector in target coords: [m/s^2]
[-0.00731422 -9.52172659 -2.34629327]
Calibration configuration
   =================
```

cam0

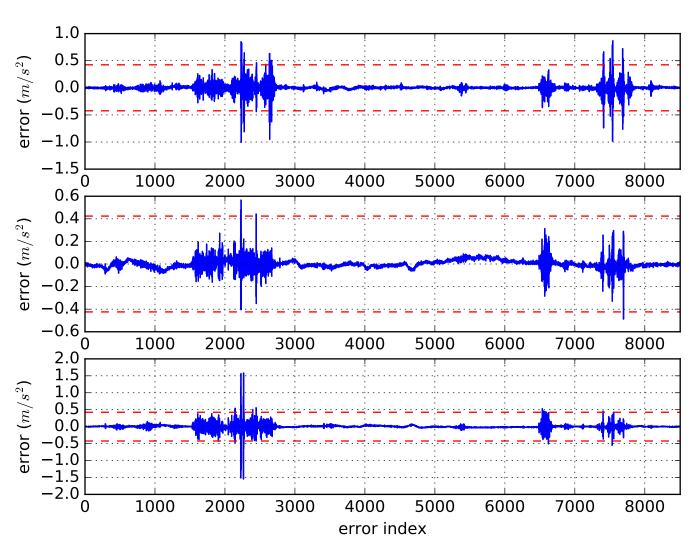
Camera model: pinhole Focal length: [679.5951163793609, 686.2814030050388] Principal point: [393.13467146176555, 205.73275622083634] Distortion model: equidistant Distortion coefficients: [0.4545486629370577, 0.5252236556754005, -4.112514935575864, 6.714651299988109] Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.083 [m] Spacing 0.0249 [m] IMU configuration ============= IMU0: _____ Model: calibrated Update rate: 200.0 Accelerometer: Noise density: 0.01 Noise density (discrete): 0.141421356237 Random walk: 0.0002 Gyroscope: Noise density: 0.005 Noise density (discrete): 0.0707106781187 Random walk: 4e-06 Tib

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

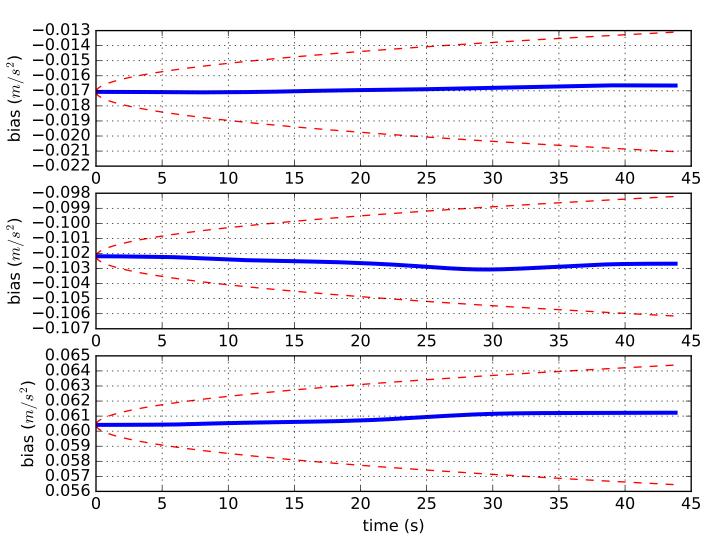
time offset with respect to IMU0: 0.0 [s]



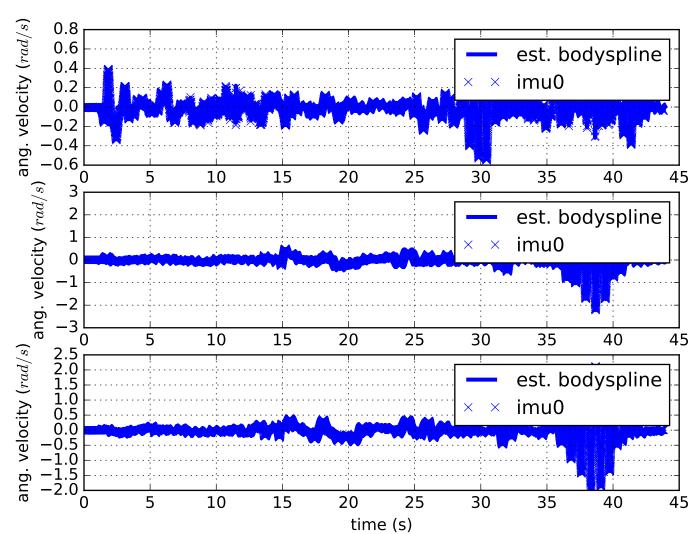
imu0: acceleration error



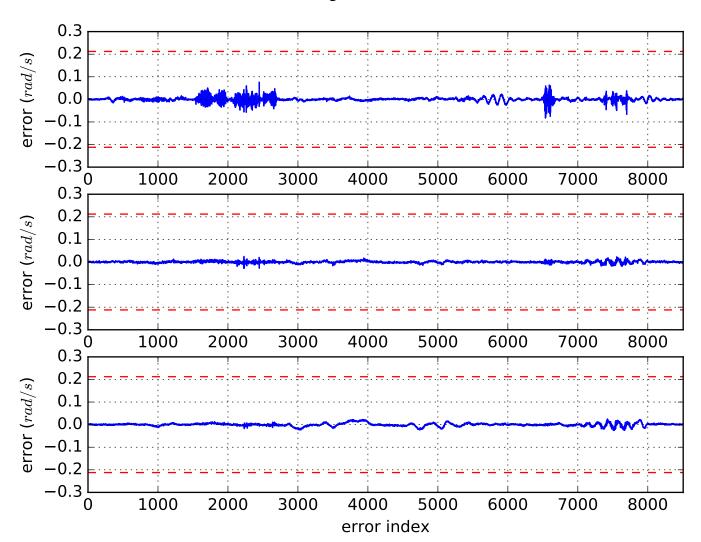
imu0: estimated accelerometer bias (imu frame)



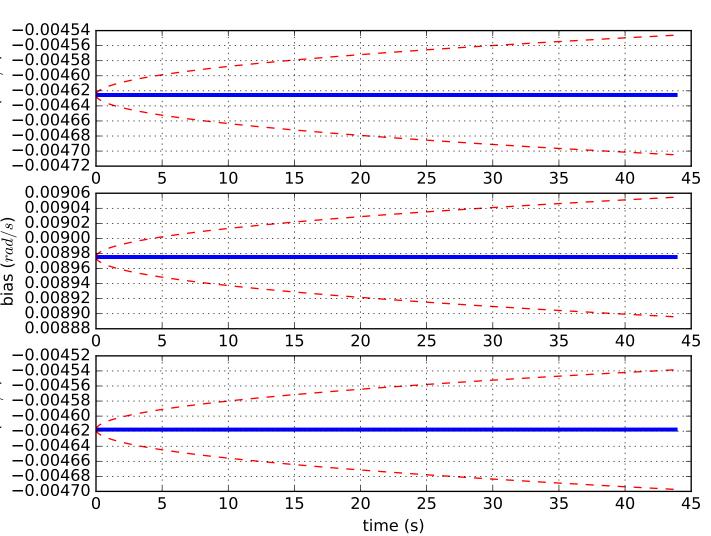
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

