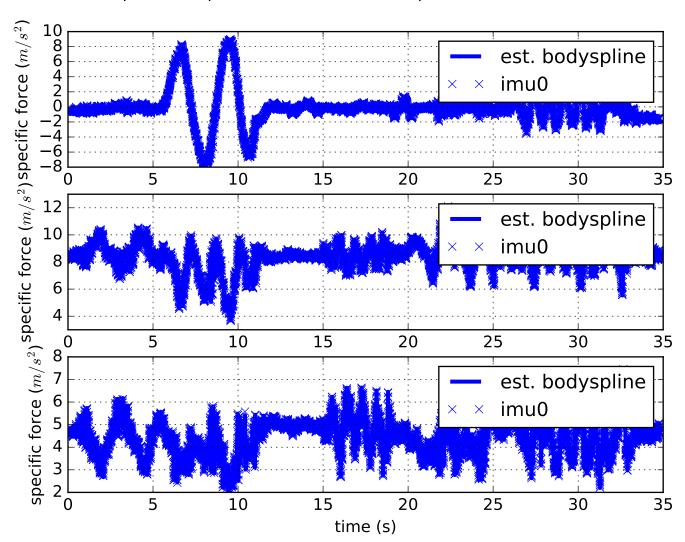
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                         mean 0.232150836017, median 0.208991617955, std: 0.134318815037
Gyroscope error (imu0):
                         mean 0.139171780986, median 0.114271492755, std: 0.0991372149904
Accelerometer error (imu0): mean 0.283276067765, median 0.25673665825, std: 0.172956876027
Residuals
Reprojection error (cam0) [px]:
                              mean 0.232150836017, median 0.208991617955, std: 0.134318815037
Gyroscope error (imu0) [rad/s]:
                              mean 0.00984093100849, median 0.00808021474235, std: 0.00701005969877
Accelerometer error (imu0) [m/s^2]: mean 0.0400612856928, median 0.0363080464055, std: 0.0244597959783
Transformation (cam0):
T ci: (imu0 to cam0):
[[-0.99974437 0.02157998 0.00674564 0.05638892]
[-0.01994364 -0.70114247 -0.71274223 -0.04521202]
[-0.01065131 -0.71269457 0.70139362 0.05555302]
١٥.
         0.
                0.
                     1.
T ic: (cam0 to imu0):
[[-0.99974437 -0.01994364 -0.01065131 0.05606453]
[ 0.02157998 -0.70114247 -0.71269457  0.0066754 ]
[ 0.00674564 -0.71274223  0.70139362 -0.07156943]
10.
         0.
                0.
                      1.
                             -11
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.00423513646707
Gravity vector in target coords: [m/s^2]
[-0.11915959 -9.79905678 -0.36429396]
Calibration configuration
   ================
```

cam0

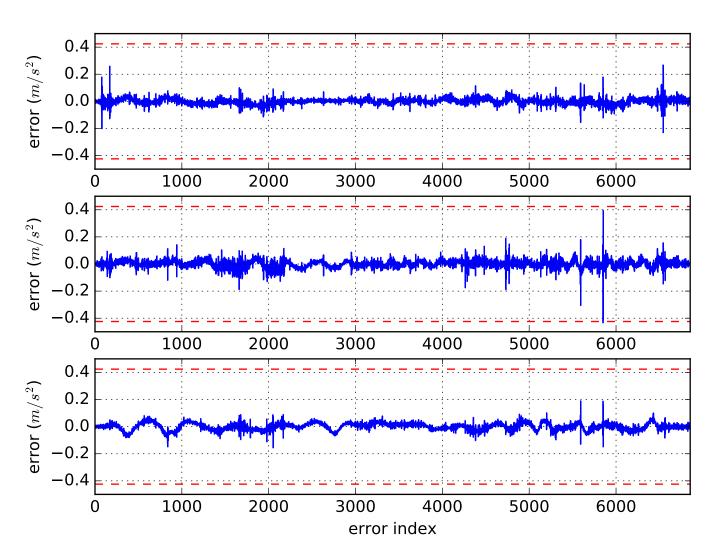
Camera model: pinhole Focal length: [745.6611364111554, 740.1310157292193] Principal point: [389.7047996015777, 244.00818182147964] Distortion model: equidistant Distortion coefficients; [0.45599854665109363, 1.317363351306019, -11.34359462879492, 23.186742249077955] Type: aprilgrid Tags: Rows: 6 Cols: 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]

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

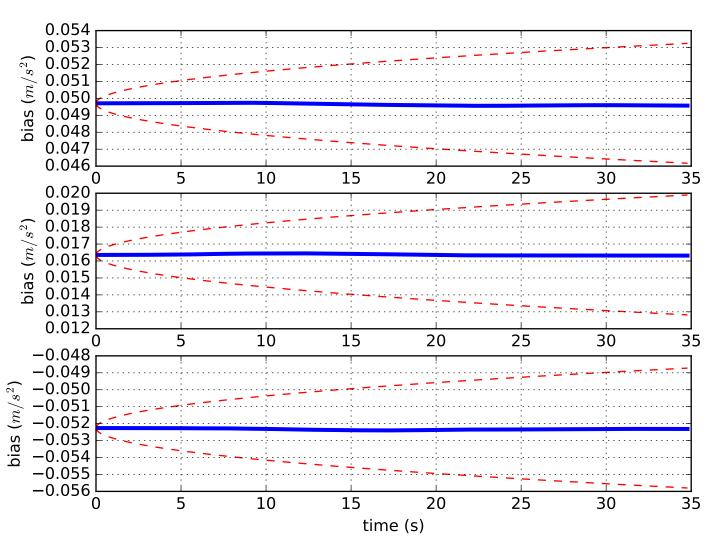
time offset with respect to IMU0: 0.0 [s]

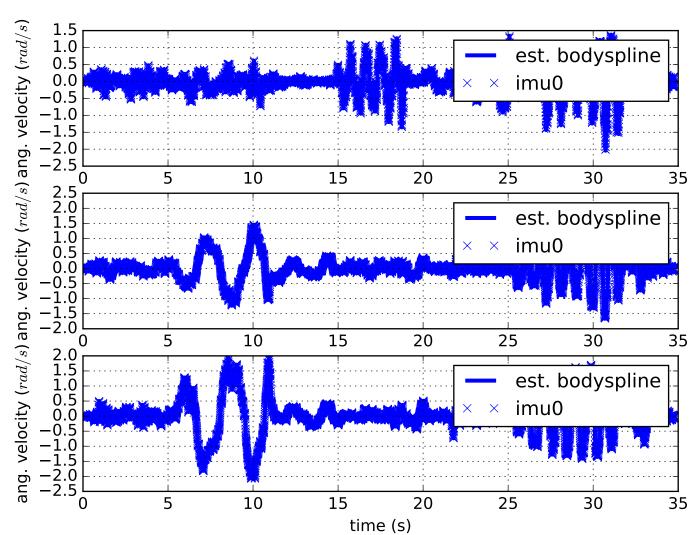


imu0: acceleration error

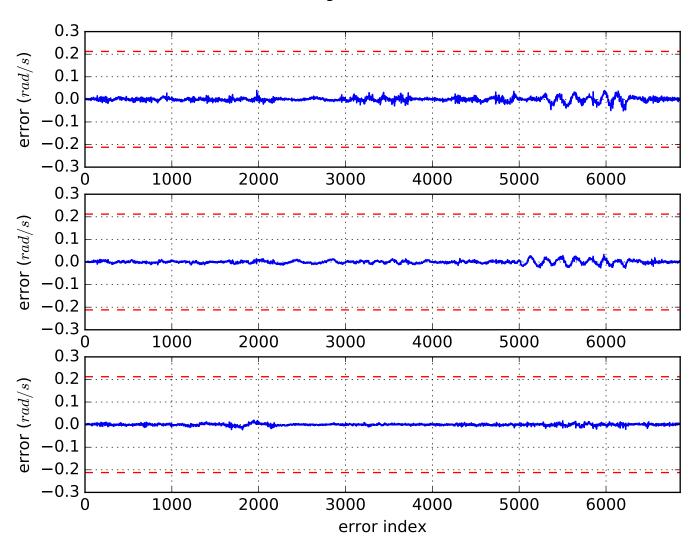


imu0: estimated accelerometer bias (imu frame)

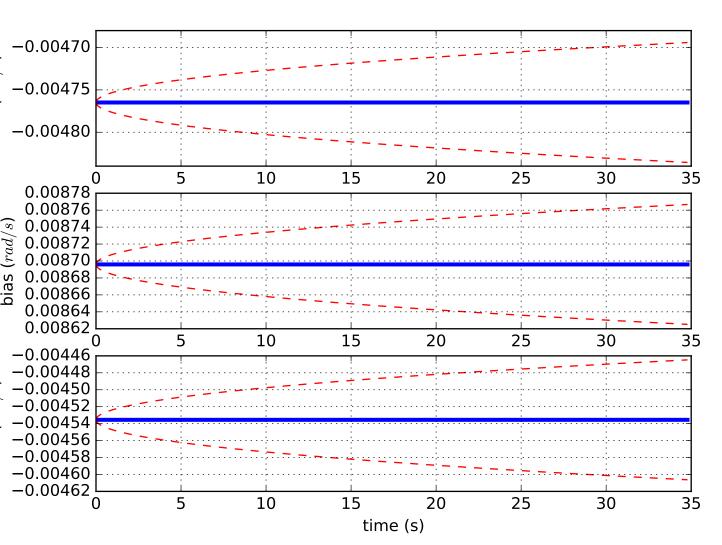




imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

