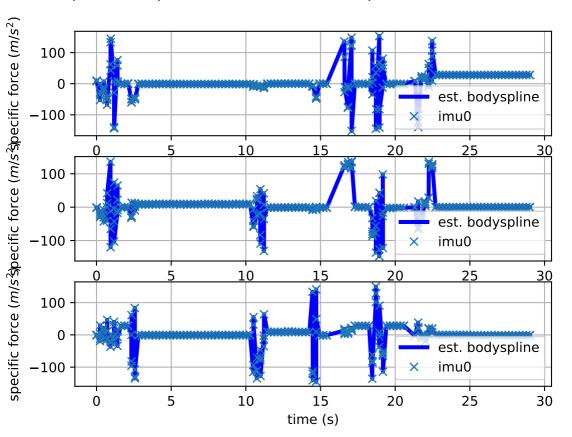
```
Calibration results
================
Normalized Residuals
-----
                        mean 1.02617226024, median 0.857285897955, std; 0.692498599724
Reprojection error (cam0):
Gyroscope error (imu0):
                       mean 1.32573844922e-06, median 3.31881229013e-07, std: 5.63244344677e-
Accelerometer error (imu0):
                        mean 1.12977248485e-08, median 1.09875802556e-09, std: 6.2183012591e-
Residuals
Reprojection error (cam0) [px]:
                           mean 1.02617226024, median 0.857285897955, std: 0.692498599724
Gyroscope error (imu0) [rad/s]:
                           mean 9.37438647524e-08, median 2.34675467583e-08, std: 3.98273895
Accelerometer error (imu0) [m/s^2]: mean 1.59773957047e-09, median 1.55387850152e-10, std: 8.794005
Transformation (cam0):
T ci: (imu0 to cam0):
[[ 0.01396963  0.72179256  0.69196846 -0.00072793]
[-0.32318882 -0.65163067 0.68624081 0.00126556]
[ 0.
                     1.
        0.
          0.
T ic: (cam0 to imu0):
[[ 0.01396963 -0.32318882  0.94623139  0.00091017]
[ 0.69196846  0.68624081  0.22417225 -0.00024845]
[ 0.
        0.
               0.
                     1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.0
```

Gravity vector in target coords: [m/s^2] [-5.38152774 -1.9253465 7.96872782]

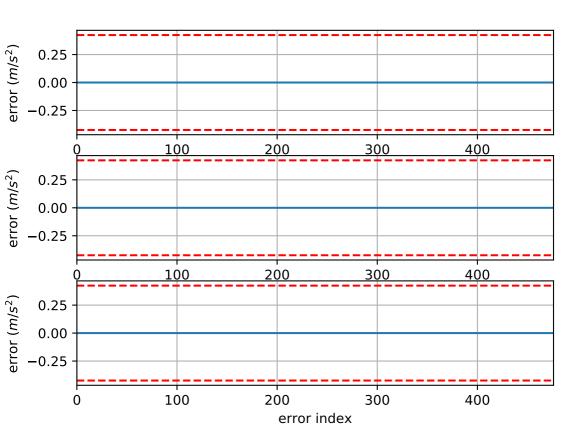
Camera model: pinhole Focal length: [2386.91181098933, 2383.114885655747] Principal point: [1893.8276869584151, 970.4347200122446] Distortion model: radtan Distortion coefficients: [-0.0931514109173045, -2.93914590176803, -0.0008583365117760008, 0.0002190 Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.088 [m] Spacing 0.0264 [m] IMU configuration ============= IMU0: Model: calibrated Update rate: 200.0 Accelerometer: Noise density: 0.01 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, 1.1]

time offset with respect to IMU0: 0.0 [s]

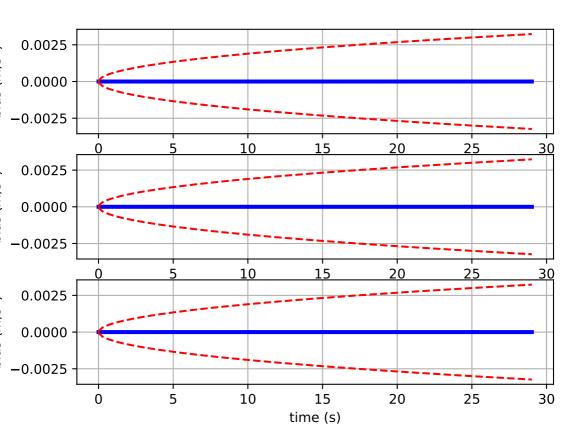
Comparison of predicted and measured specific force (imu0 frame)



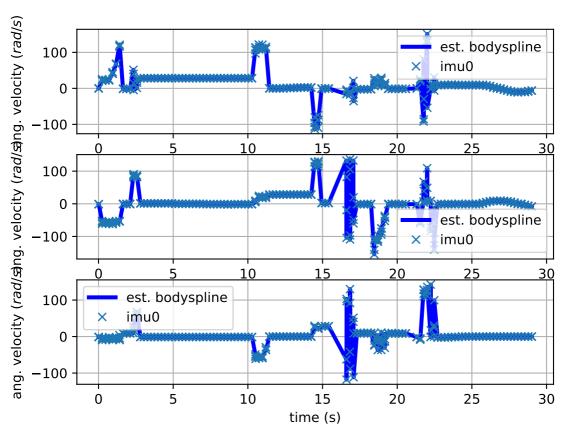
imu0: acceleration error



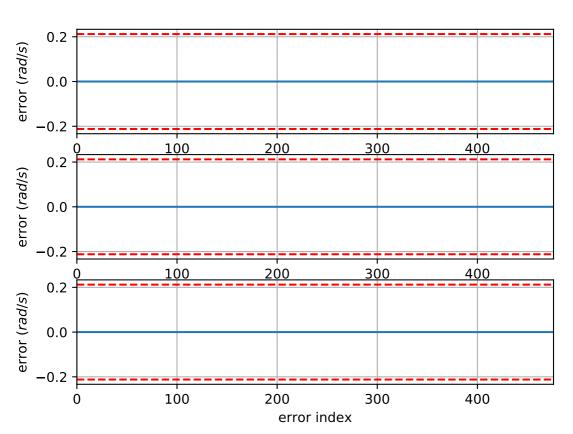
imu0: estimated accelerometer bias (imu frame)



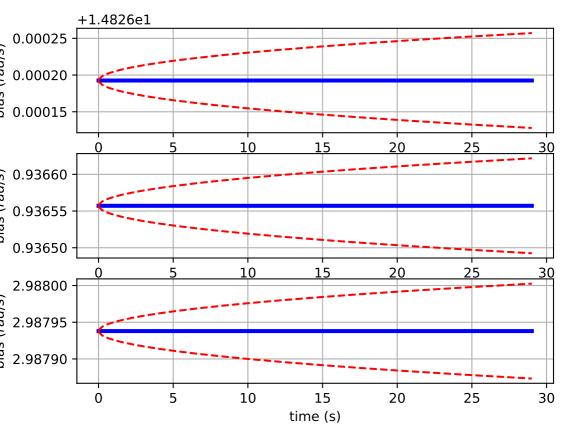
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

