```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                          mean 0.892751971641, median 0.785498679344, std: 0.562303466298
Gyroscope error (imu0):
                         mean 1.28716916093, median 0.996763549114, std: 1.04497236097
Accelerometer error (imu0): mean 1.9287678903, median 1.61746052012, std: 1.2951653265
Residuals
Reprojection error (cam0) [px]:
                              mean 0.892751971641, median 0.785498679344, std: 0.562303466298
Gyroscope error (imu0) [rad/s]:
                              mean 0.00240700633093, median 0.00186394783684, std: 0.00195409831501
Accelerometer error (imu0) [m/s^2]: mean 0.0358750827596. median 0.0300847656743. std: 0.024090075073
Transformation (cam0):
T ci: (imu0 to cam0):
[[0.02406155 -0.00513319 0.9996973 -0.00185441]
[-0.00956347 -0.99994224 -0.00490426 -0.08381843]
[ 0.99966473 -0.00944257 -0.02410925 -0.10694917]
[ 0.
         0.
                0.
                     1.
                             -11
T ic: (cam0 to imu0):
[[0.02406155 -0.00956347 0.99966473 0.10615634]
[-0.00513319 -0.99994224 -0.00944257 -0.08483299]
[ 0.9996973 -0.00490426 -0.02410925 -0.00113568]
10.
         0.
                0.
                       1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.0
Gravity vector in target coords: [m/s^2]
[-0.16959246 -9.67520717 -1.59060601]
Calibration configuration
   ================
```

cam0

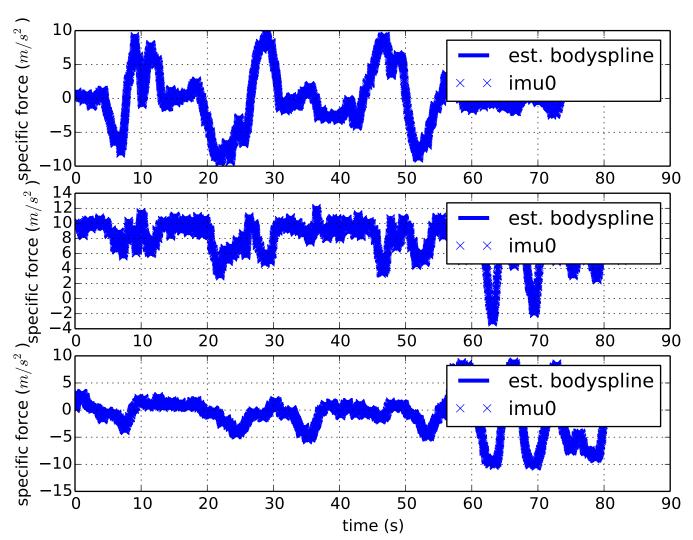
Camera model: pinhole Focal length: [422.31476312913185, 422.08635749910906] Principal point: [369.13617222708706, 242.38062482018685] Distortion model: radtan Distortion coefficients: [-0.3046810873817194, 0.0985876067379147, -0.00010757225295819505, -0.00012765178658212043] Type: checkerboard Rows Count: 11 Distance: 0.07 [m] Cols Count: 8 Distance: 0.07 [m] IMU configuration IMU0: -----Model: calibrated Update rate: 100.0 Accelerometer:

Noise density: 0.00186 Noise density (discrete): 0.0186 Random walk: 0.000433 Gyroscope: Noise density: 0.000187 Noise density (discrete): 0.00187 Random walk: 2.66e-05 Tib [1. 0. 0. 0.][0. 1. 0. 0.] [0. 0. 1. 0.]

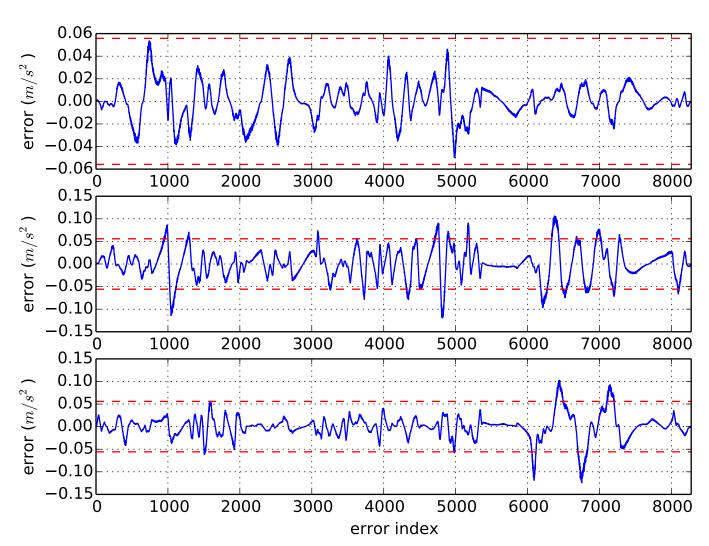
[0. 0. 0. 1.]]

time offset with respect to IMU0: 0.0 [s]

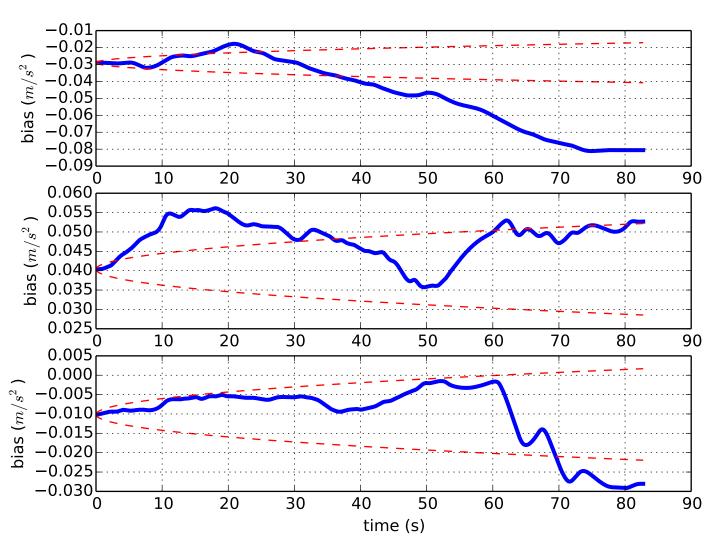
Comparison of predicted and measured specific force (imu0 frame)

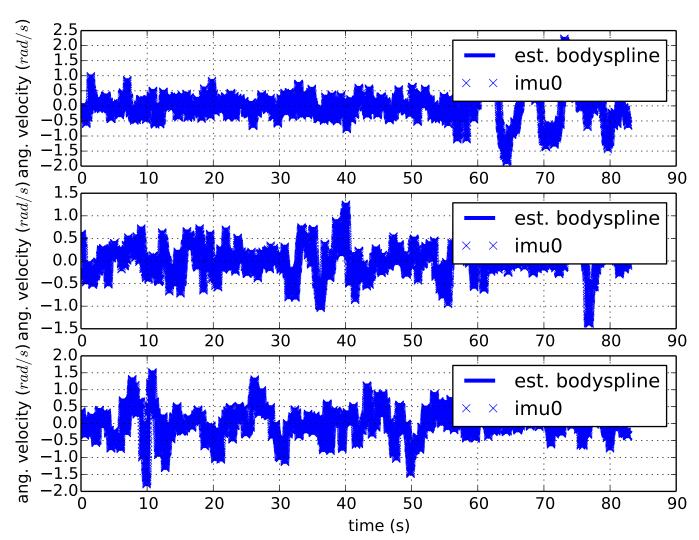


imu0: acceleration error

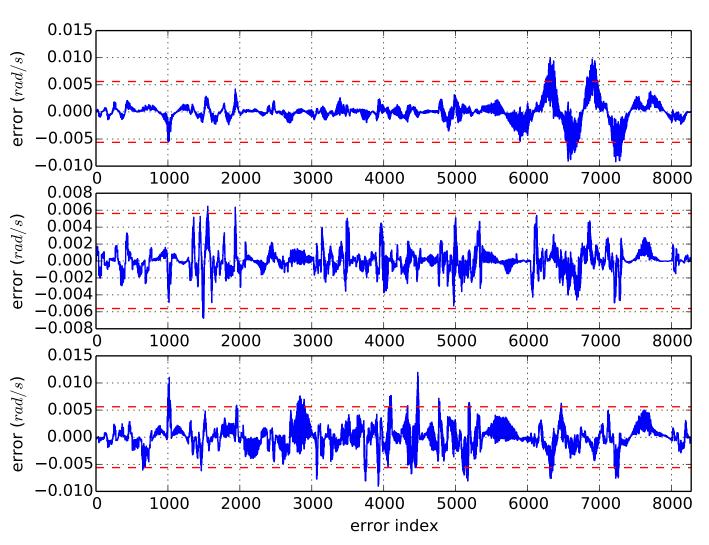


imu0: estimated accelerometer bias (imu frame)

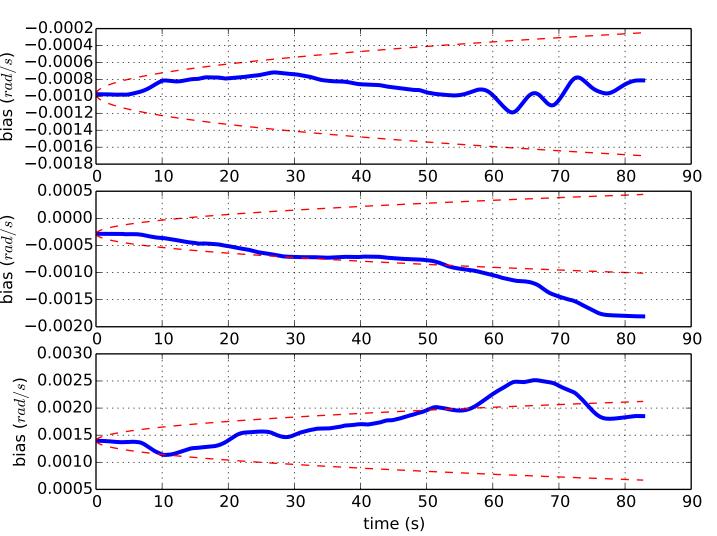




imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

