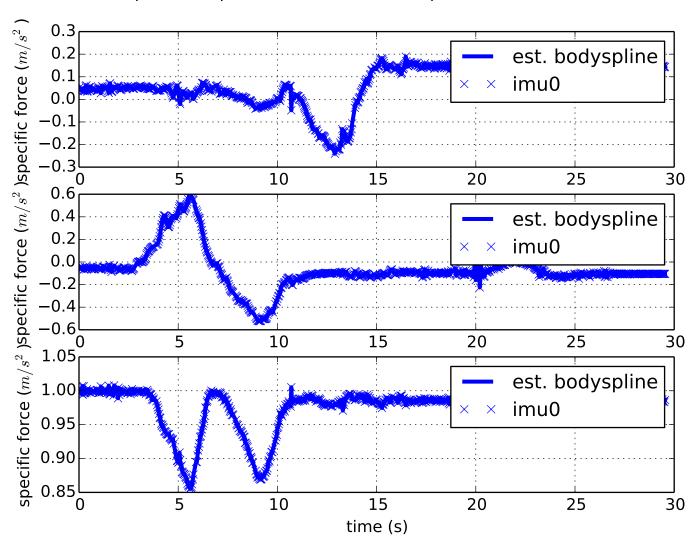
Calibration results
Normalized Residuals
Reprojection error (cam0): mean 0.75018257195, median 0.632591581519, std: 0.680438373211 mean 0.000526005324738, median 2.30072114129e-08, std: 0.00325590102483 Accelerometer error (imu0): mean 0.000270095443626, median 0.000270898516727, std: 5.02897459184e-06
Residuals
Reprojection error (cam0) [px]: mean 0.75018257195, median 0.632591581519, std: 0.680438373211 Gyroscope error (imu0) [rad/s]: mean 1.18123042508e-05, median 5.16664315721e-10, std: 7.31165478884e-05 Accelerometer error (imu0) [m/s^2]: mean 9.46799149781e-07, median 9.49614261798e-07, std: 1.76286900805e-08
Transformation (cam0):
T_ci: (imu0 to cam0): [[0.01529035 -0.99962054 0.02291245 0.00009977] [-0.11319256 -0.02449832 -0.993271 -0.00055228] [0.99345541 0.01259395 -0.11352419 -0.00043419] [0.
timeshift cam0 to imu0: [s] (t_imu = t_cam + shift) 0.0
Gravity vector in target coords: [m/s^2] [-0.19413165 -9.78040519
Calibration configuration

cam0

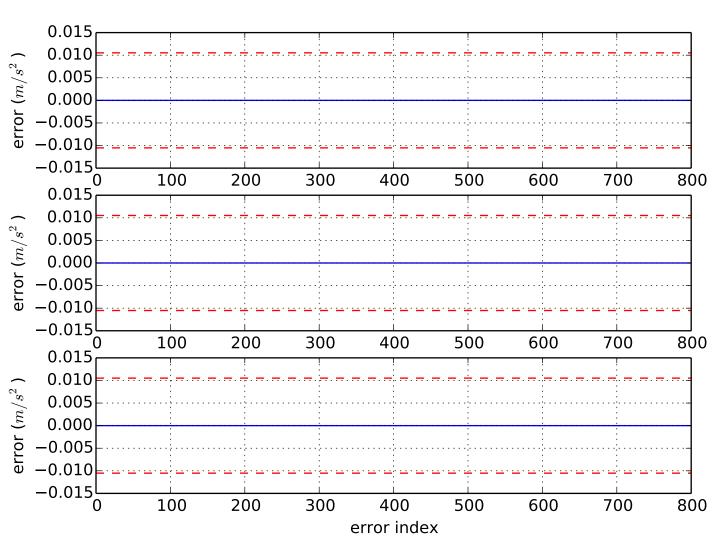
```
Camera model: omni
 Focal length: [299.562, 299.387]
 Principal point: [320.0354, 230.0574]
 Omni xi: 0.8731
 Distortion model: radtan
 Distortion coefficients: [-0.0578, 0.0052, -0.00030508, 7.2296e-05]
 Type: aprilgrid
 Tags:
  Rows: 6
  Cols: 6
  Size: 0.067 [m]
  Spacing 0.0199995 [m]
IMU configuration
IMU0:
-----
 Model: calibrated
 Update rate: 30.0
 Accelerometer:
  Noise density: 0.00064
  Noise density (discrete): 0.00350542436803
  Random walk: 8.86e-07
 Gyroscope:
  Noise density: 0.0041
  Noise density (discrete): 0.0224566248577
  Random walk: 5.7e-07
 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]

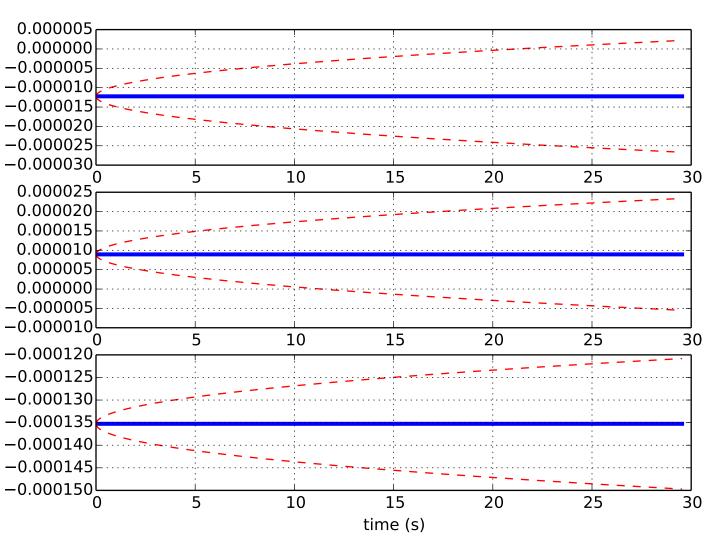
Comparison of predicted and measured specific force (imu0 frame)



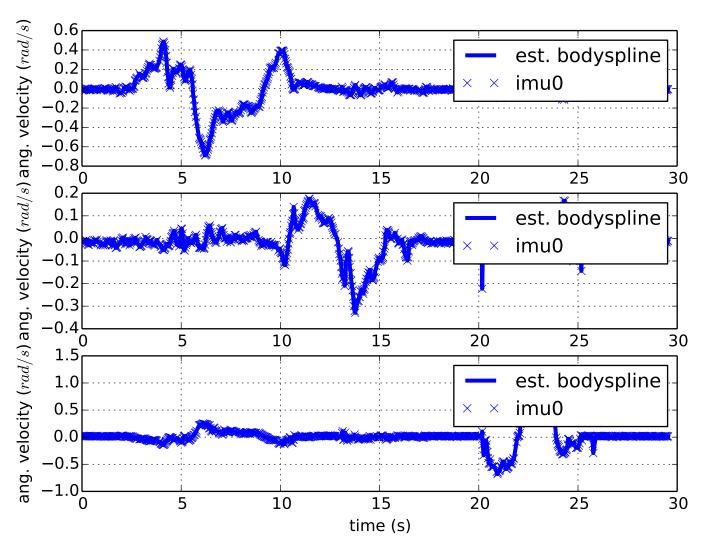
imu0: acceleration error



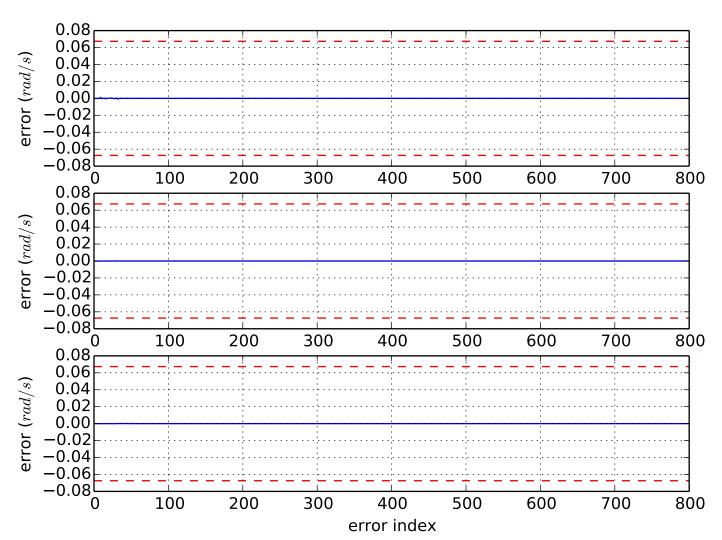
imu0: estimated accelerometer bias (imu frame)



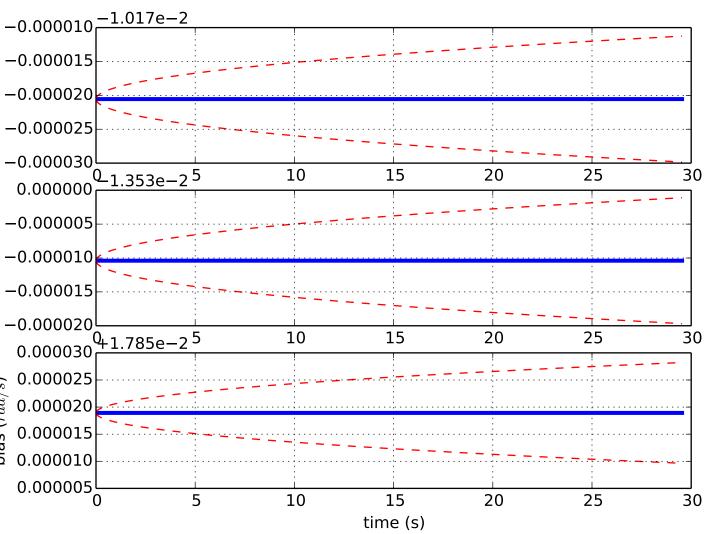
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

