| Calibration results |
|--|
| Normalized Residuals |
| Reprojection error (cam0): mean 4.74686160217, median 4.29214905282, std: 2.57089884879 Gyroscope error (imu0): mean 0.00120684403291, median 3.385115143e-08, std: 0.0116030837286 Accelerometer error (imu0): mean 0.000316011793898, median 0.000316395814915, std: 7.08785104245e-06 |
| Residuals |
| Reprojection error (cam0) [px]: mean 4.74686160217, median 4.29214905282, std: 2.57089884879 Gyroscope error (imu0) [rad/s]: mean 2.71007403056e-05, median 7.60157268824e-10, std: 0.000260557412805 Accelerometer error (imu0) [m/s^2]: mean 1.10771851712e-06, median 1.10906462888e-06, std: 2.48450975499e-08 |
| Transformation (cam0): |
| T_ci: (imu0 to cam0): [[-0.10462024 |
| T_ic: (cam0 to imu0): [[-0.10462024 -0.11620117 |
| timeshift cam0 to imu0: [s] (t_imu = t_cam + shift) 0.0 |
| Gravity vector in target coords: [m/s^2] [3.05987926 |
| Calibration configuration |
| |

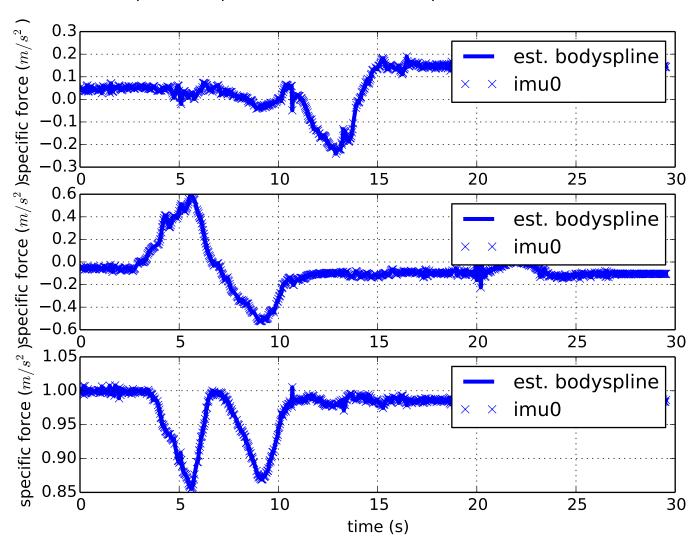
cam0

```
Camera model: pinhole
 Focal length: [206.6688, 206.9523]
 Principal point: [326.0185, 205.8282]
 Distortion model: equidistant
 Distortion coefficients: [1.2828, 0.0304, 0.0166, -0.0138]
 Type: aprilgrid
 Tags:
  Rows: 6
  Cols: 6
  Size: 0.067 [m]
  Spacing 0.0199995 [m]
IMU configuration
=============
IMU0:
_____
 Model: calibrated
 Update rate: 29.998
 Accelerometer:
  Noise density: 0.00064
  Noise density (discrete): 0.00350530751861
  Random walk: 8.86e-07
 Gyroscope:
  Noise density: 0.0041
  Noise density (discrete): 0.0224558762911
  Random walk: 5.7e-07
 Tib
  [[1. 0. 0. 0.]]
  [0. 1. 0. 0.]
  [0. 0. 1. 0.]
```

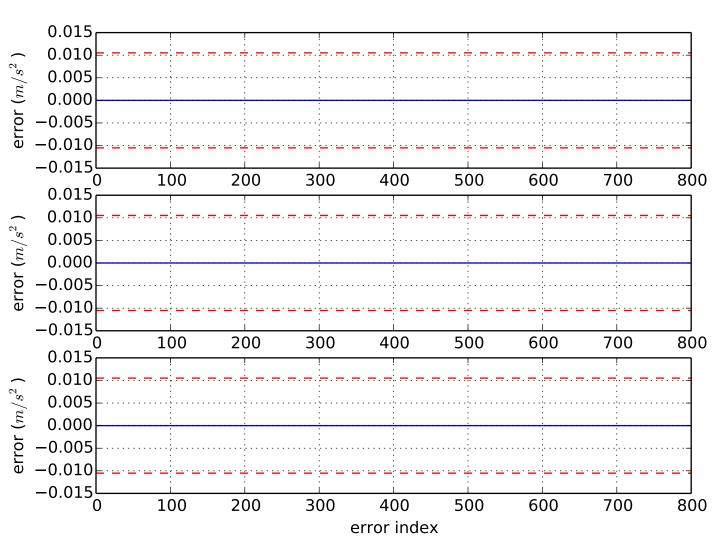
[0. 0. 0. 1.]

time offset with respect to IMU0: 0.0 [s]

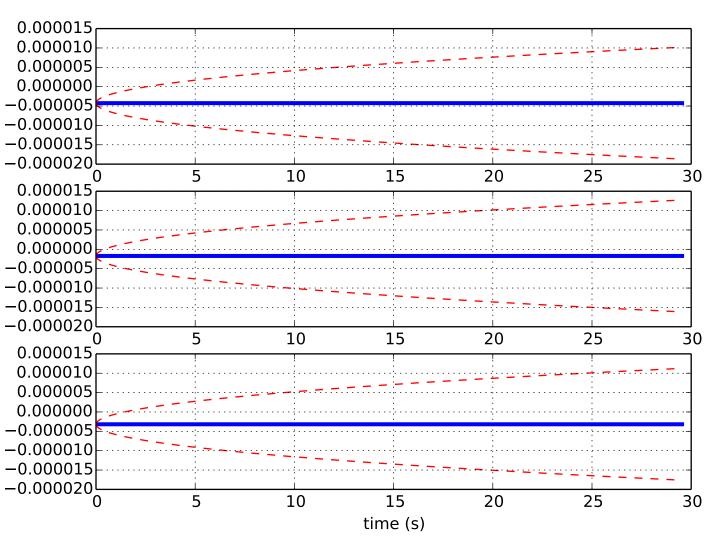
Comparison of predicted and measured specific force (imu0 frame)



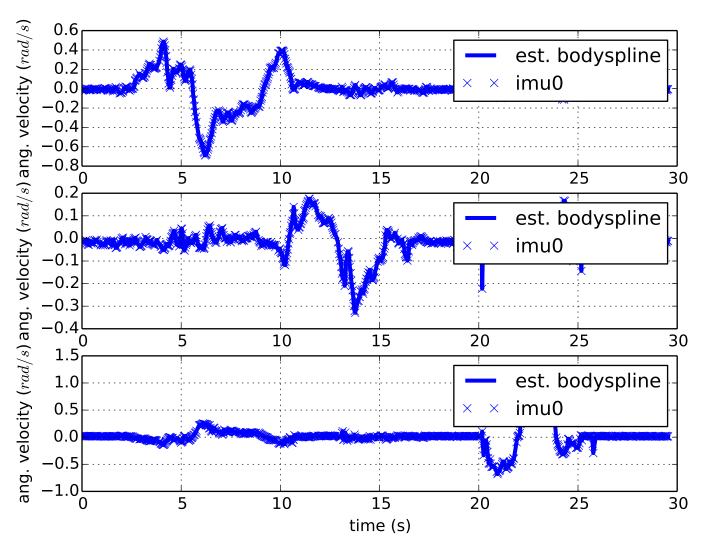
imu0: acceleration error



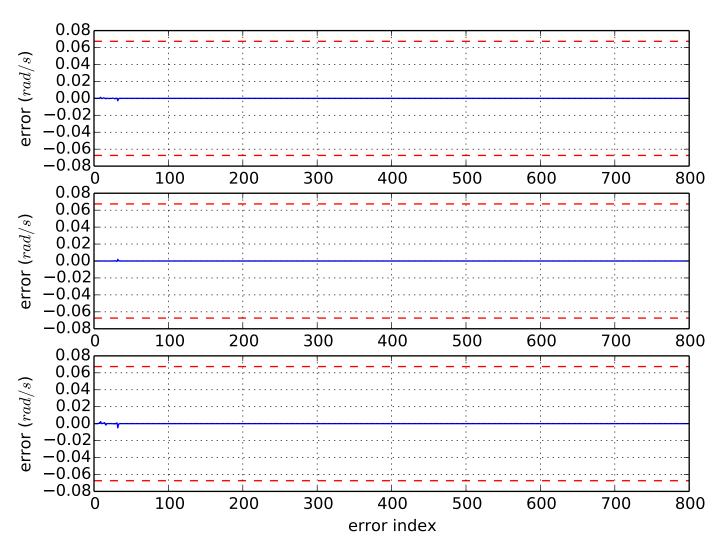
imu0: estimated accelerometer bias (imu frame)



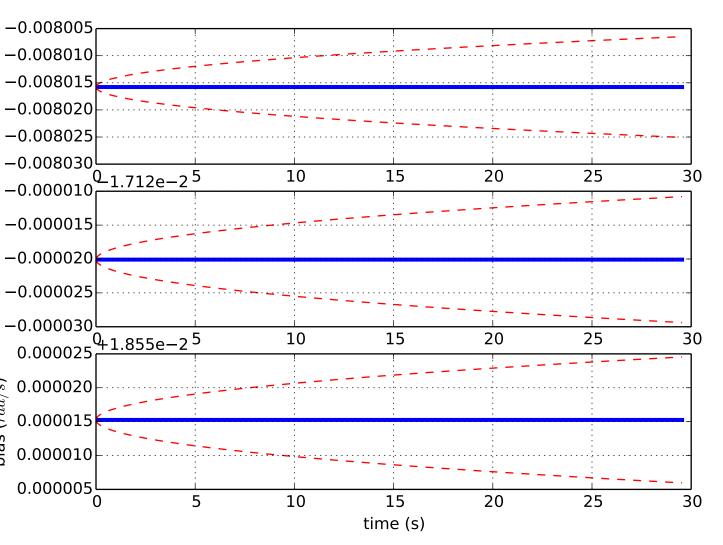
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

