Reprojection error (cam0): mean 0.0449056646483, median 0.0421641354996, std: 0.0235748049835 gyroscope error (imu0): mean 0.057216848919, median 0.049862215354, std: 0.0326038105575 Accelerometer error (imu0): mean 0.664951099119, median 0.314783140362, std: 0.71982096582

```
Residuals
```

```
Reprojection error (cam0) [px]: mean 0.0449056646483, median 0.0421641354996, std: 0.023574804983
Gyroscope error (imu0) [rad/s]: mean 0.00404584218688, median 0.00352579106018, std: 0.0023054375
```

Accelerometer error (imu0) [m/s^2]: mean 0.094038286269, median 0.0445170586307, std: 0.1017980572

Transformation (cam0):

T ic: (cam0 to imu0):

[[0.99996396 -0.00041954 -0.00847965 0.04005909] [0.00049362 0.99996171 0.00873645 0.01043396] [0.00847566 -0.00874032 0.99992588 0.00209977] [0. 0. 1.]]

timeshift cam0 to imu0: [s] (t_imu = t_cam + shift) 0.0012302761676498473

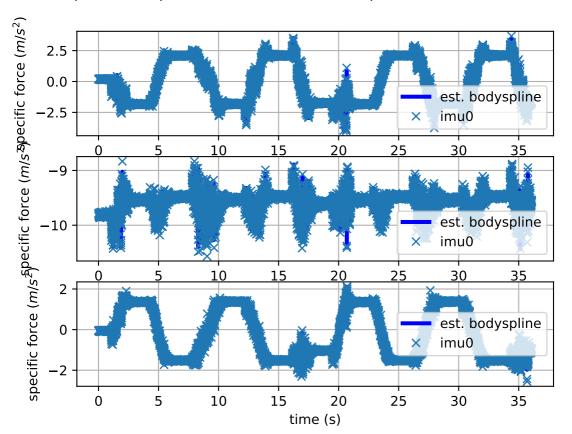
Gravity vector in target coords: [m/s^2] [9.8041157 -0.21442975 0.04193101]

Calibration configuration

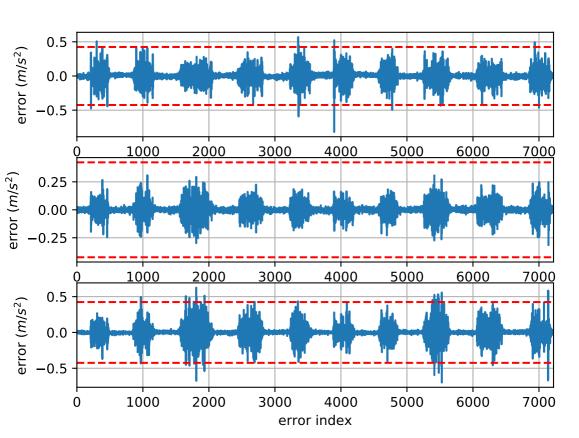
Camera model: pinhole Focal length: [468.2527687453535, 468.3265694180005] Principal point: [364.91196913276707, 215.81303741968622] Distortion model: equidistant Distortion coefficients: [0.011135829319036753, -0.05338166866546771, 0.15329931633590166, -0.1346 Type: checkerboard Rows Count: 7 Distance: 0.07 [m] Cols Count: 6 Distance: 0.07 [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, 1][0. 1. 0. 0.] [0, 0, 1, 0, 1] $[0. \ 0. \ 0. \ 1.]]$

time offset with respect to IMLIO: 0.0 [s]

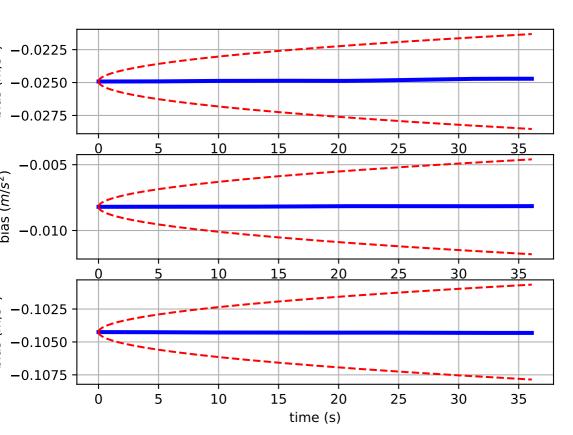
Comparison of predicted and measured specific force (imu0 frame)



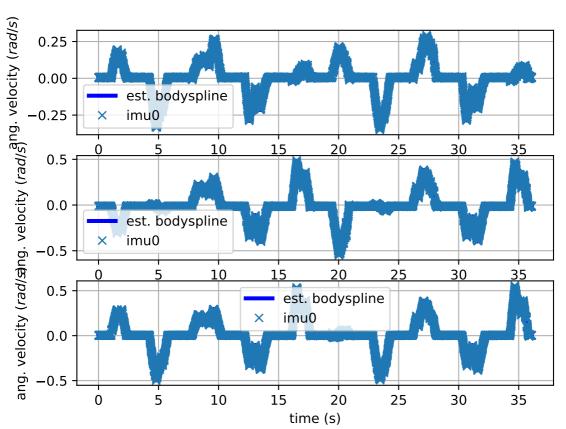
imu0: acceleration error



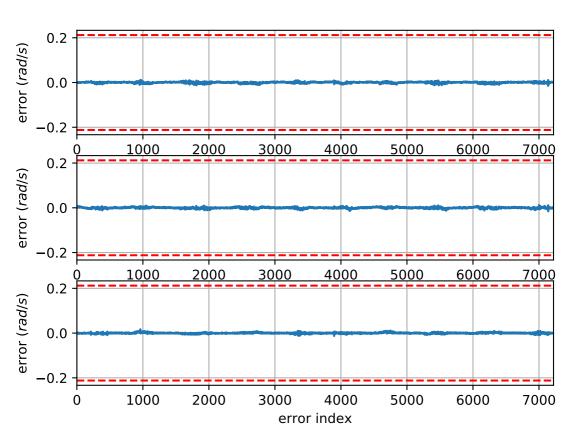
imu0: estimated accelerometer bias (imu frame)



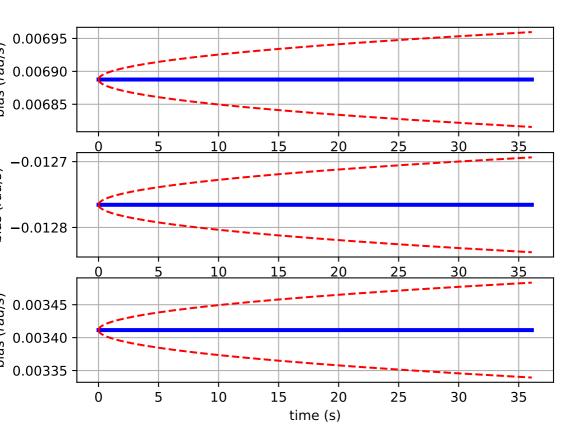
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

