Reprojection error (cam0): mean 0.0440862279877, median 0.0408525444629, std: 0.0241786653142 mean 0.0559815889505, median 0.0486739266532, std: 0.031895695498 Accelerometer error (imu0): mean 0.676814054136, median 0.287861310432, std: 0.747749615485

mean 0.0440862279877, median 0.0408525444629, std: 0.024178665314

```
Residuals
```

١٥.

```
Reprojection error (cam0) [px1:
```

Gyroscope error (imu0) [rad/s]: mean 0.00395849611685, median 0.00344176636034, std: 0.0022553662 Accelerometer error (imu0) [m/s^2]: mean 0.0957159614564, median 0.0407097369295, std: 0.105747764

Transformation (cam0):

```
T_ci: (imu0 to cam0):
```

[[0.99997478 0.0009498 0.00703762 -0.03938437] [-0.00089596 0.99997034 -0.00765005 -0.01532078] [-0.00704467 0.00764355 0.99994597 -0.00219048]

T ic: (cam0 to imu0):

0. 0.

T_ic: (cam0 to imu0): [[0.99997478 -0.00089596 -0.00704467 | 0.03935422]

1.

timeshift cam0 to imu0: [s] $(t_imu = t_cam + shift)$ 0.0012347069815510125

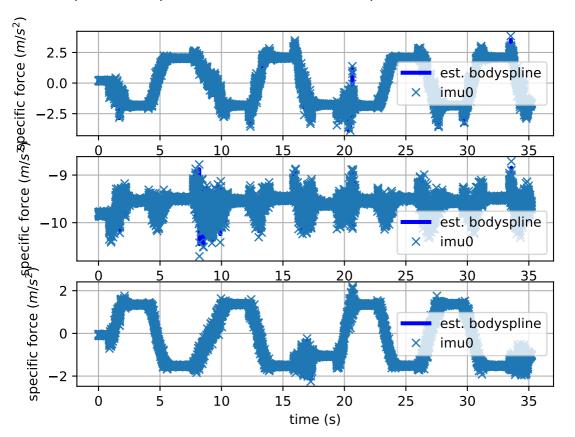
Gravity vector in target coords: [m/s^2] [9.80435912 -0.20301532 0.04183223]

Calibration configuration

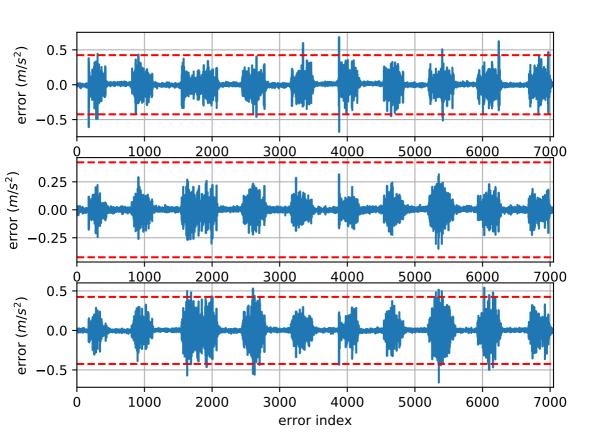
Camera model: pinhole Focal length: [468.2527687453535, 468.3265694180005] Principal point: [364.91196913276707, 215.81303741968622] Distortion model: equidistant Distortion coefficients: [0.011135829319036753, -0.05338166866546771, 0.15329931633590166, -0.1346 Type: checkerboard Rows Count: 7 Distance: 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]

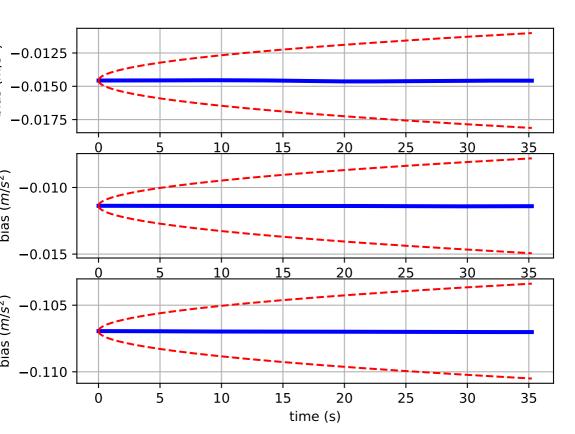
Comparison of predicted and measured specific force (imu0 frame)



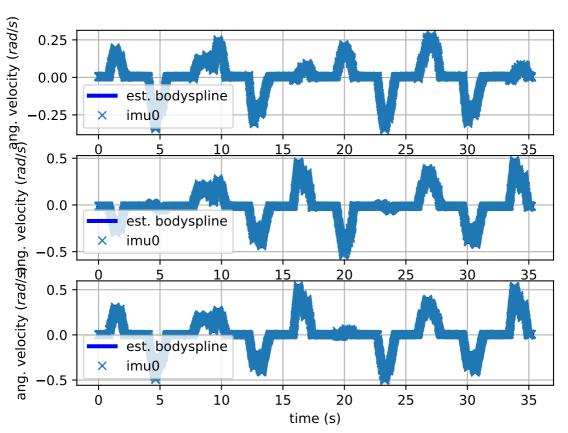
imu0: acceleration error



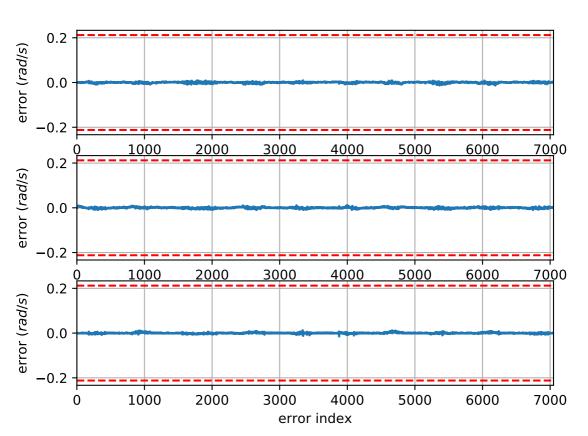
imu0: estimated accelerometer bias (imu frame)



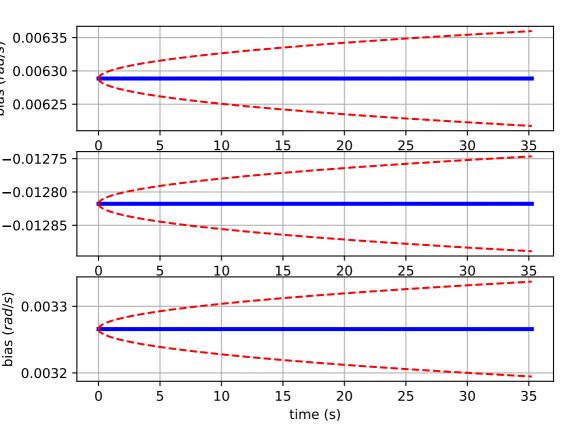
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

