Reprojection error (cam0) [px]: mean 0.28514147122, median 0.281192652925, std: 0.131443277775 Gyroscope error (imu0) [rad/s]: mean 0.00207715406811, median 0.00186553808165, std: 0.00174872391082 Accelerometer error (imu0) [m/s^2]: mean 0.0278018034324, median 0.017633698115, std: 0.091395072296

Transformation (cam0):

T ci: (imu0 to cam0):

T ic: (cam0 to imu0):

[[0.00540279 0.01180902 0.99991567 0.31388305] [-0.99995476 0.00789253 0.00530979 -0.01064516] [-0.00782916 -0.99989912 0.01185113 0.15428443] [0. 0. 0. 1.]]

timeshift cam0 to imu0: [s] $(t_imu = t_cam + shift)$ 0.00212724429675

Gravity vector in target coords: [m/s^2] [0.04425366 -9.80635603 0.04296344]

Calibration configuration

cam0

Camera model: pinhole

Focal length: [637.0102235086177, 636.5671950687336] Principal point: [653.6378859316724, 362.8854879948024]

Distortion model: radtan Distortion coefficients: [-0.044682744054906895, 0.024952434249305173, -6.46507710571878e-05,

0.001005164472103523]

Type: aprilgrid Tags:

Rows: 6 Cols: 6

Size: 0.0352 [m] Spacing 0.01056 [m]

IMU configuration

IMU0:

Model: calibrated Update rate: 250.0 Accelerometer:

Noise density: 0.0094578014913

Noise density (discrete): 0.149540971851

Random walk: 9.53501438591e-05

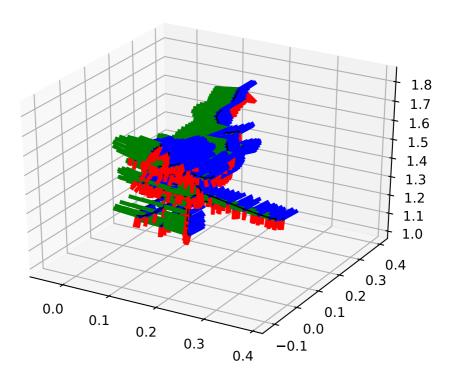
Gyroscope:

Noise density: 0.000863895527177 Noise density (discrete): 0.0136593876316

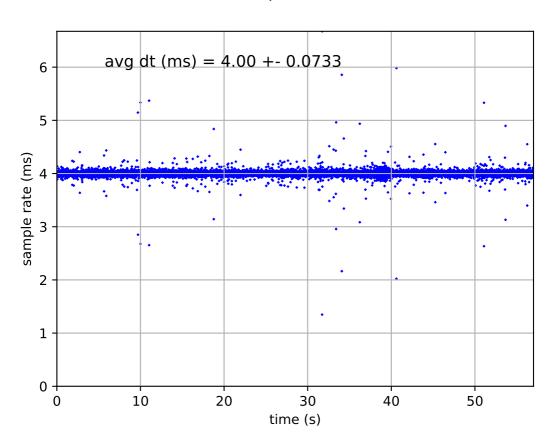
Random walk: 3.89832340104e-06

```
T_ib (imu0 to imu0)
[[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]
```

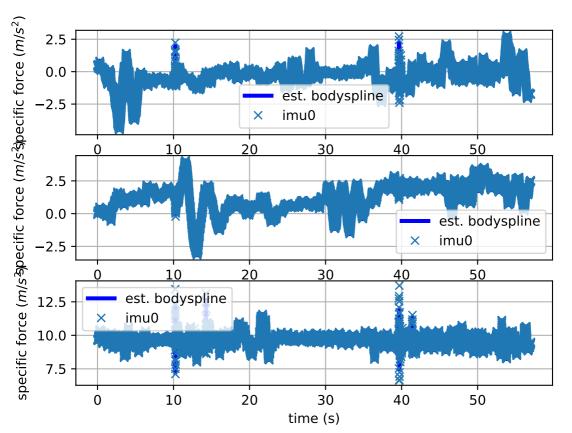
imu0: estimated poses



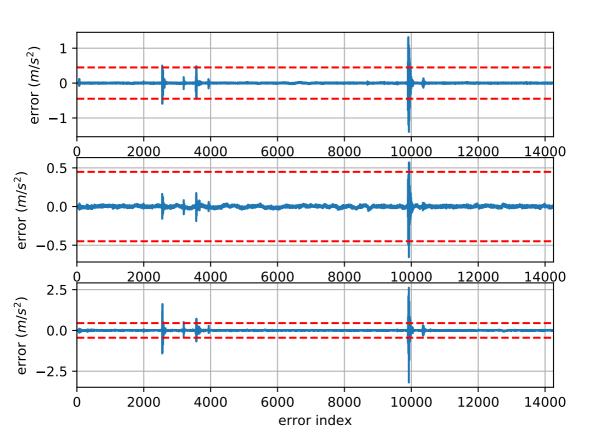
imu0: sample inertial rate



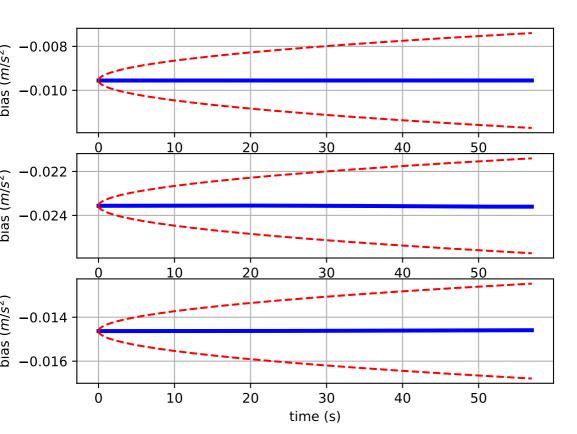
Comparison of predicted and measured specific force (imu0 frame)



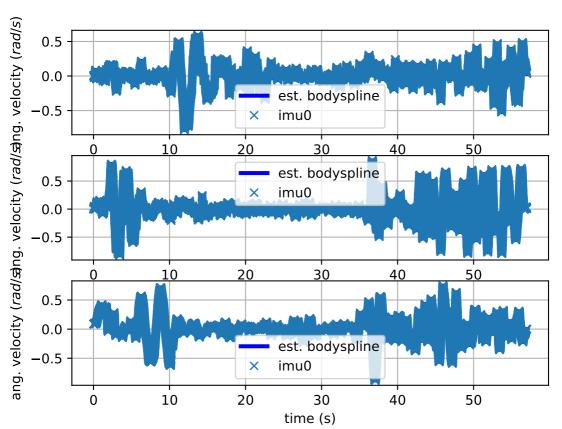
imu0: acceleration error



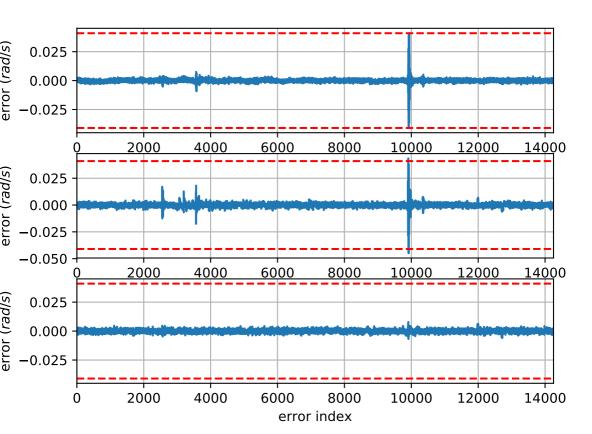
imu0: estimated accelerometer bias (imu frame)



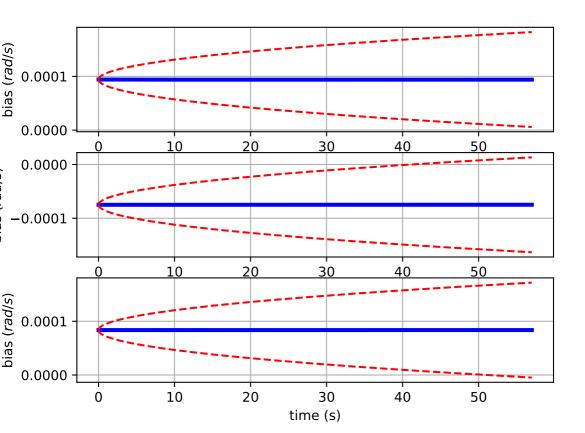
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

