Reprojection error (cam0): mean 0.447704922776, median 0.316544251012, std: 0.413731225366 mean 1.34123494564, median 1.19502154712, std: 0.997117407191 mean 4.70364336196, median 3.55538559836, std: 3.55187819037

```
Residuals
```

```
Reprojection error (cam0) [px]:
```

Gyroscope error (imu0) [rad/s]: mean 0.094839632523, median 0.0845007839633, std: 0.0705068480264 Accelerometer error (imu0) [m/s^2]: mean 0.665195623505, median 0.502807453266, std: 0.50231143087

mean 0.447704922776, median 0.316544251012, std: 0.413731225366

## Transformation (cam0):

T ic: (cam0 to imu0):

timeshift cam0 to imu0: [s] (t\_imu = t\_cam + shift) 0.000677391640416

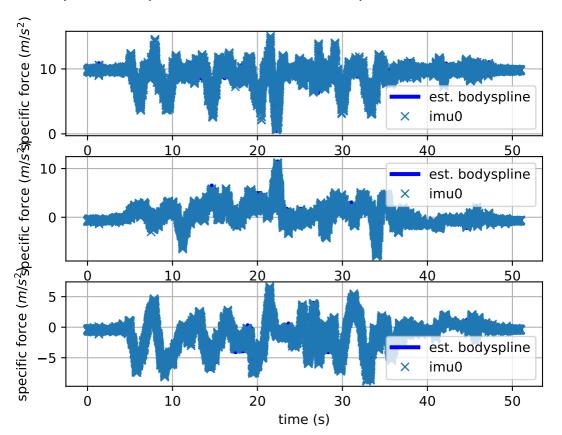
Gravity vector in target coords: [m/s^2] [-0.08295833 8.29374366 -5.23214649]

Calibration configuration

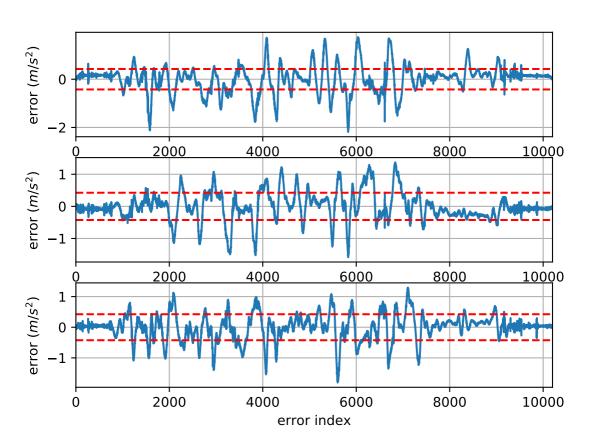
Camera model: pinhole Focal length: [462.12944774797097, 460.6903712397771] Principal point: [360.64407683212477, 234.12444997611715] Distortion model: equidistant Distortion coefficients: [-0.004067913331646666, 0.020049233258848963, -0.022142704116853543, 0.01 Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.02 [m] Spacing 0.006 [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.]][0, 1, 0, 0,] [0, 0, 1, 0.][0, 0, 0, 1.1]

time offset with respect to IMU0: 0.0 [s]

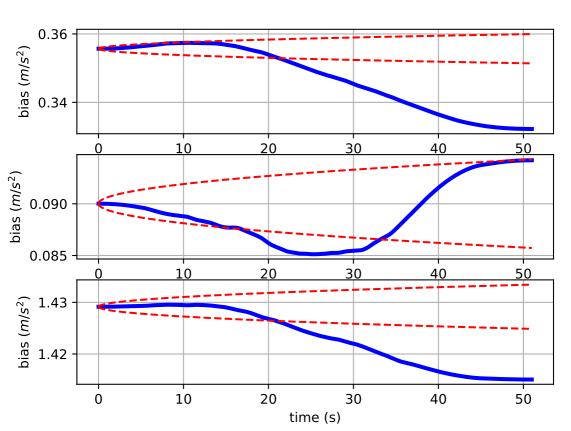
## Comparison of predicted and measured specific force (imu0 frame)



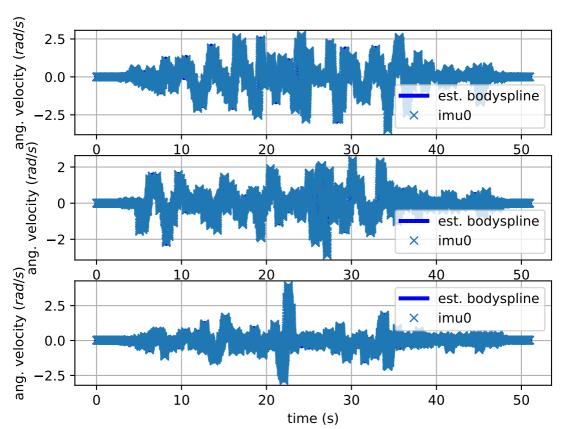
imu0: acceleration error



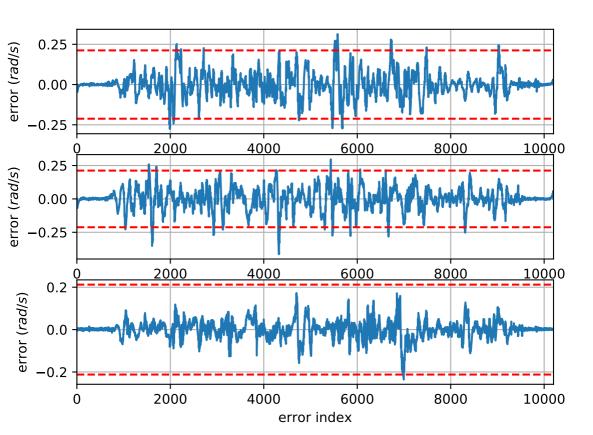
imu0: estimated accelerometer bias (imu frame)



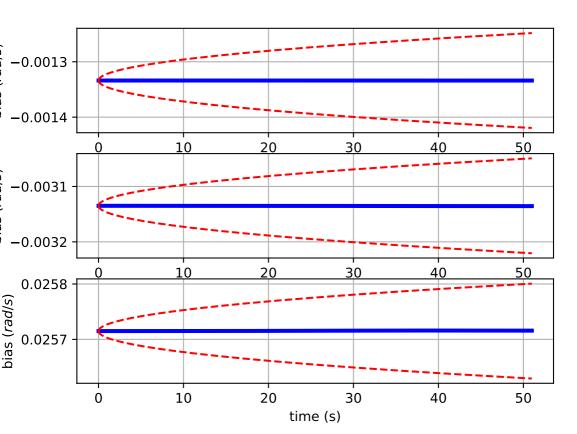
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

