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Calibration results
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Normalized Residuals
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mean 0.0872106422068, median 0.082695570228, std; 0.0449839606476 Reprojection error (cam0): Gyroscope error (imu0): mean 0.0349756072817, median 0.0330373594507, std: 0.0178234225719 Accelerometer error (imu0): mean 0.0654597825774, median 0.0474055435296, std: 0.0481090457902

Residuals

[0.

Reprojection error (cam0) [px]:

Gyroscope error (imu0) [rad/s]: mean 0.000118707211114, median 0.000112128797976, std: 6.04926962 Accelerometer error (imu0) [m/s^2]: mean 0.0026183913031, median 0.00189622174119, std: 0.00192436

mean 0.0872106422068, median 0.082695570228, std: 0.0449839606476

Transformation (cam0):

T ci: (imu0 to cam0):

[[-0.0011233 0.99999815 -0.00156341 -0.06095848] [-0.00041888 0.00156294 0.99999869 -0.10146748] [0.99999928 0.00112396 0.00041712 -0.00214409] [0. 0. 0. 1.

T ic: (cam0 to imu0):

[[-0.0011233 -0.00041888 0.99999928 0.00203311] [0.99999815 0.00156294 0.00112396 0.06111936] [-0.00156341 0.99999869 0.00041712 0.10137294] 0. 0. 1.

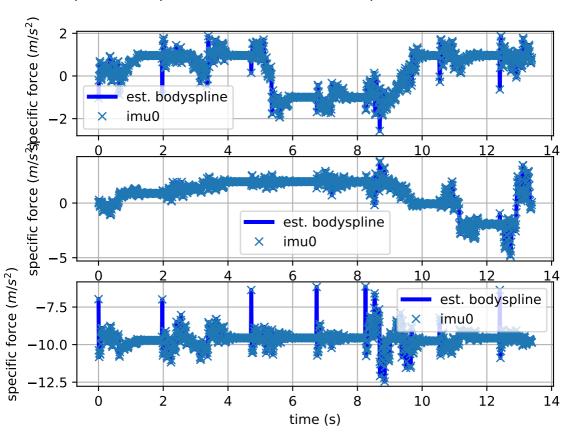
timeshift cam0 to imu0: [s] (t imu = t cam + shift) 0.005383555149350277

Gravity vector in target coords: [m/s^2] [0.00728848 9.80653999 0.01196562]

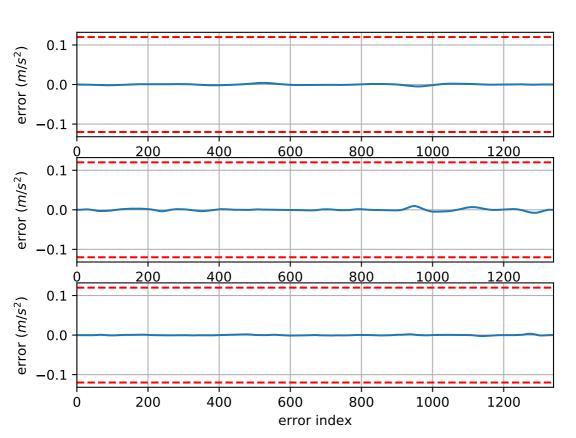
Calibration configuration

```
Camera model: pinhole
 Focal length: [521.9332, 521.9332]
 Principal point: [320.5, 240.5]
 Distortion model: radtan
 Distortion coefficients: [0.0, 0.0, 0.0, 0.0]
 Type: checkerboard
 Rows
  Count: 6
  Distance: 0.06 [m]
 Cols
  Count: 7
  Distance: 0.06 [m]
IMU configuration
============
IMU0:
 Model: calibrated
 Update rate: 100.0
 Accelerometer:
  Noise density: 0.004
  Noise density (discrete): 0.04
  Random walk: 0.006
 Gyroscope:
  Noise density: 0.0003394
  Noise density (discrete): 0.003394
  Random walk: 3.8785e-05
 Tib
  [[1. 0. 0. 0.]]
  [0. 1. 0. 0.]
   [0.0.1.0.]
   [0. \ 0. \ 0. \ 1.]]
 time offset with respect to IMLIO: 0.0 [s]
```

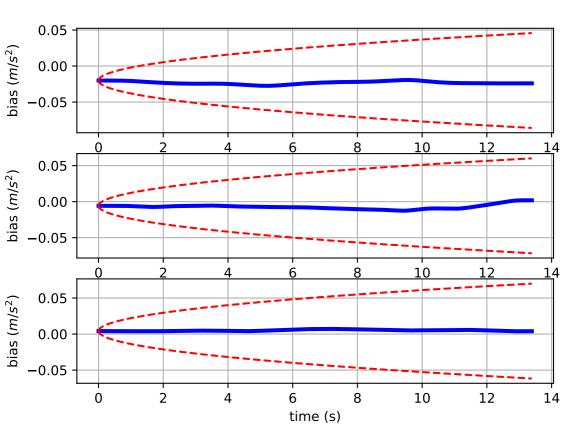
Comparison of predicted and measured specific force (imu0 frame)



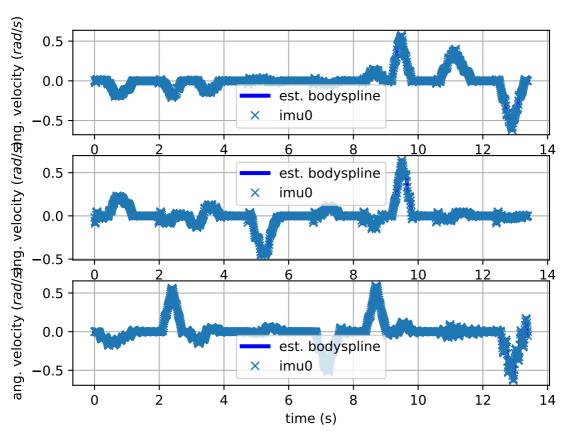
imu0: acceleration error



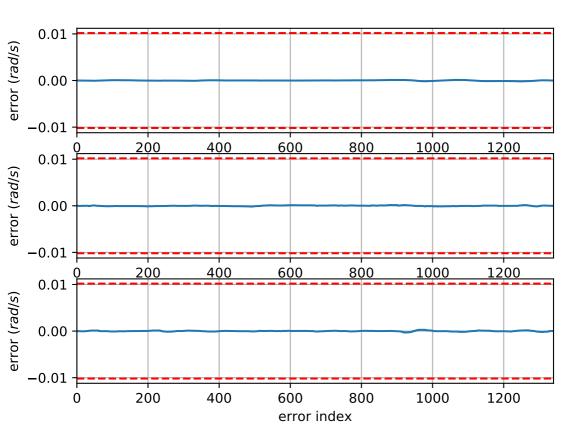
imu0: estimated accelerometer bias (imu frame)



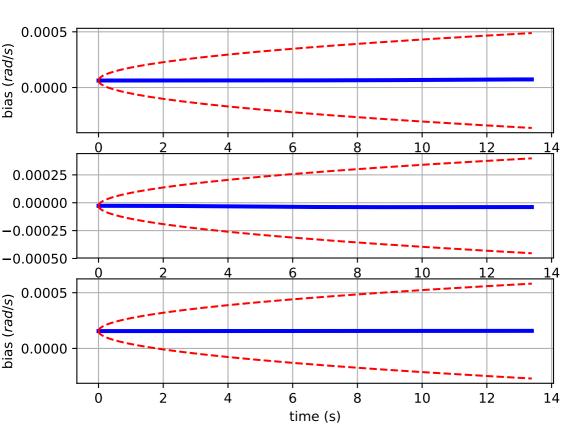
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

