Gyroscope error (imu0) [rad/s]:

Normalized Residuals

Reprojection error (cam0): mean 0.682939230312, median 0.427143032042, std: 0.793462478403 mean 1.13739477851, median 0.909938293688, std: 2.89426881017 mean 1.11046982701, median 0.873313230008, std: 2.15484124985 mean 1.95679141116, median 1.61698635683, std: 1.82326438581 mean 0.999216175824, median 0.826950880151, std: 1.95276226638

Residuals

Reprojection error (cam0) [px]:

Gyroscope error (imu1) [rad/s]: mean 0.0070418659348, median 0.00581901631326, std: 0.00656134493 Accelerometer error (imu1) [m/s^2]: mean 0.0756937360739, median 0.0626441036312, std: 0.147927821 Transformation (cam0):

Accelerometer error (imu0) [m/s^2]: mean 0.0180630848238, median 0.0142054566164, std: 0.035051002

mean 0.682939230312, median 0.427143032042, std: 0.793462478403

mean 0.000817821455946, median 0.000654273322005, std: 0.00208106

T ci: (imu0 to cam0):

[[-0.00748223 -0.99980935 -0.01803543 0.06459126] [-0.00091644 0.01804279 -0.9998368 -0.02084552]

[-0.00091644 0.01804279 -0.9998368 -0.02084552] [0.99997159 -0.00746448 -0.00105127 -0.09141299] [0. 0. 1.]]

T_ic: (cam0 to imu0): [[-0.00748223 -0.00091644 0.99997159 0.09187457]

timeshift cam0 to imu0: [s] ($t_imu = t_cam + shift$) 0.0182796450905

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

```
Calibration configuration
_______
cam0
Camera model: pinhole
Focal length: [1199.1, 1199.2]
 Principal point: [1037.4, 795.5]
Distortion model: radtan
Distortion coefficients: [-0.0899, 0.0834, 0.0013, 0.00057139]
Type: checkerboard
Rows
  Count: 11
  Distance: 0.03 [m]
Cols
  Count: 8
  Distance: 0.03 [m]
IMU configuration
=============
IMU0:
Model: calibrated
Update rate: 200.0
Accelerometer:
  Noise density: 0.0011501915187
  Noise density (discrete): 0.0162661644508
  Random walk: 3.72985406906e-05
Gyroscope:
  Noise density: 5.08431292483e-05
  Noise density (discrete): 0.000719030429364
  Random walk: 6.50982341241e-07
Tib
```

[[1 0 0 0]]

time offset with respect to IMU0: 0.0 [s]

IMU1:

Model: calibrated Update rate: 100.0 Accelerometer:

Noise density: 0.00757531131955

Noise density (discrete): 0.0757531131955

Random walk: 0.000315776268606

Gyroscope: Noise density: 0.000359867990765

Noise density (discrete): 0.00359867990765

Random walk: 5.51133558684e-06

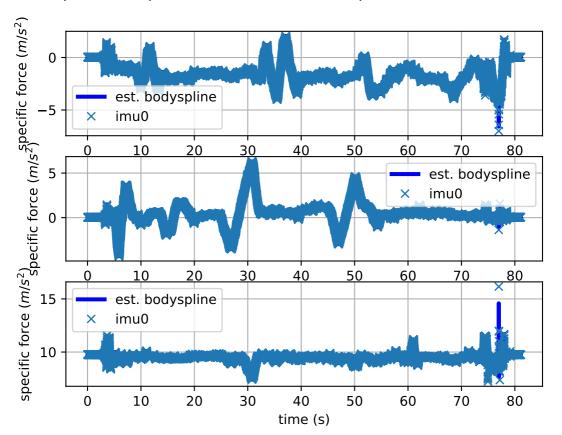
 T_i_b

[[0.99983919 -0.01701715 -0.00565748 0.01632796]

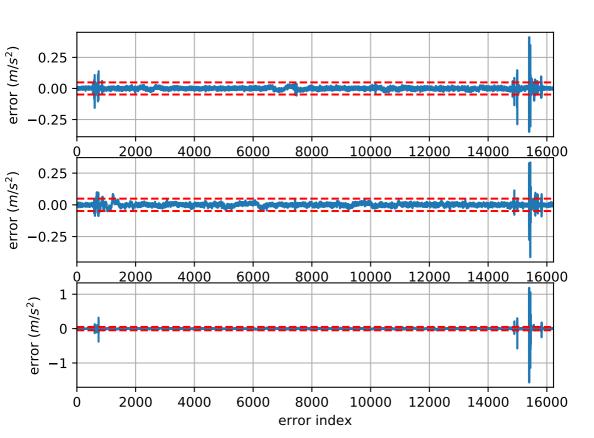
[0.01701338 0.99985501 -0.0007142 0.01344661]

time offset with respect to IMU0: 0.064224664817 [s]

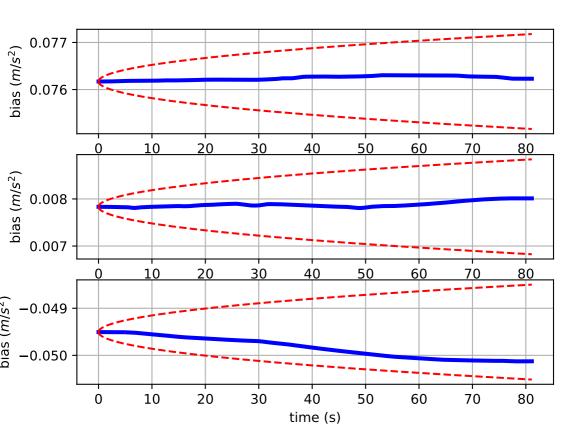
Comparison of predicted and measured specific force (imu0 frame)



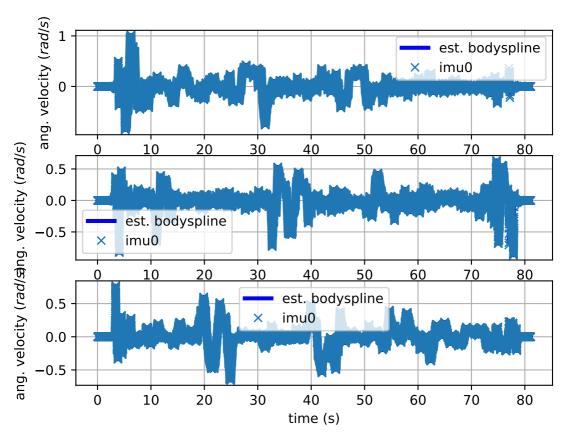
imu0: acceleration error



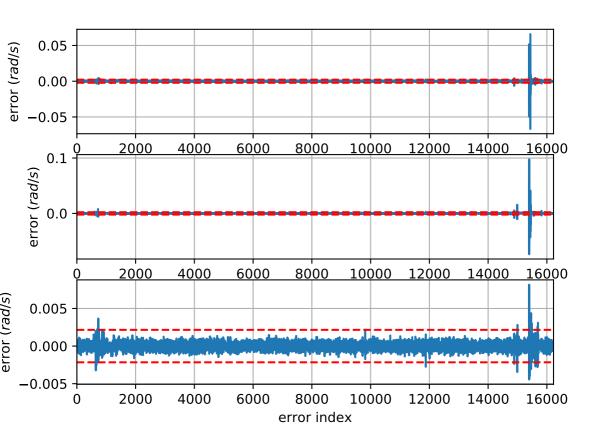
imu0: estimated accelerometer bias (imu frame)



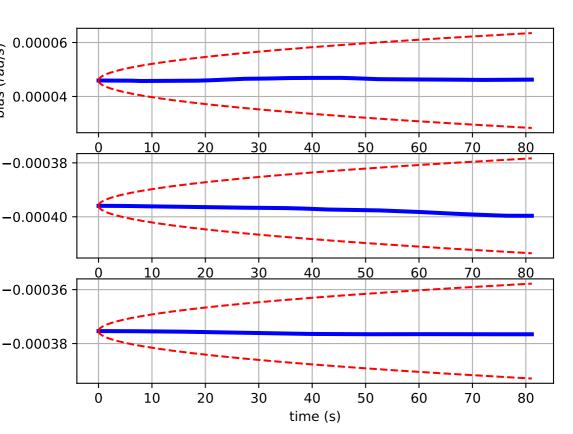
Comparison of predicted and measured angular velocities (body frame)



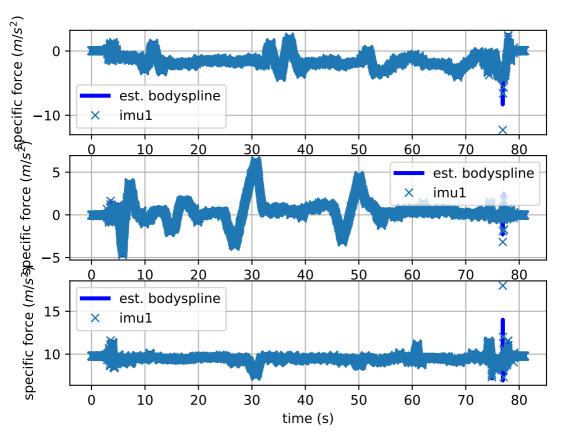
imu0: angular velocities error



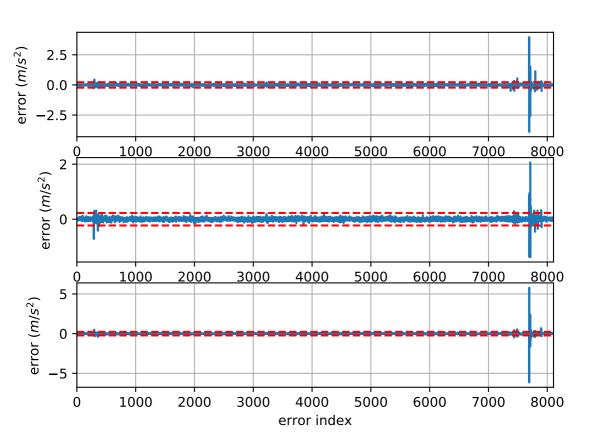
imu0: estimated gyro bias (imu frame)



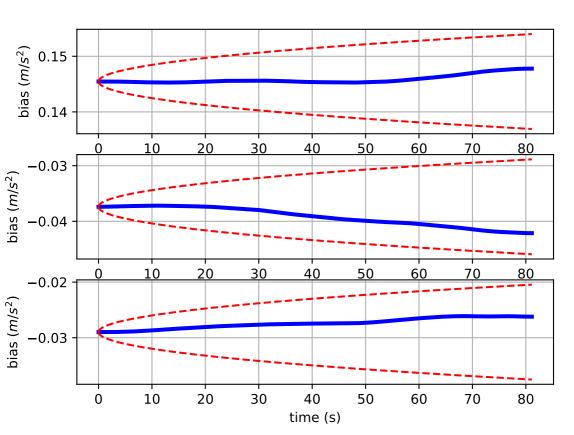
Comparison of predicted and measured specific force (imu0 frame)



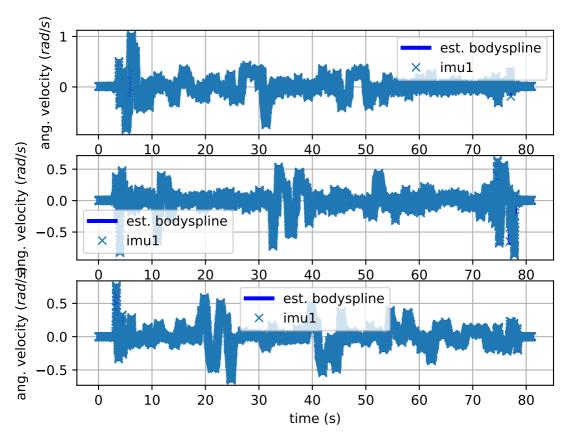
imu1: acceleration error



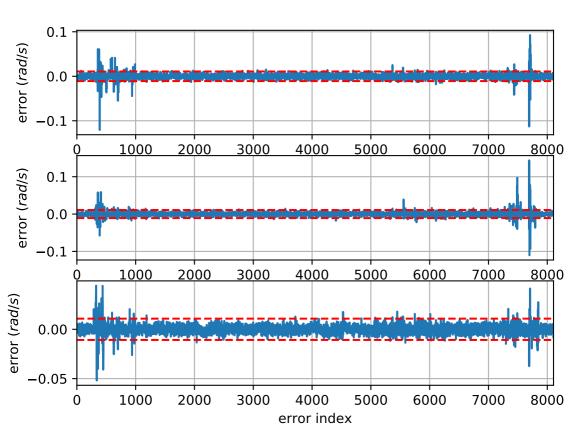
imu1: estimated accelerometer bias (imu frame)



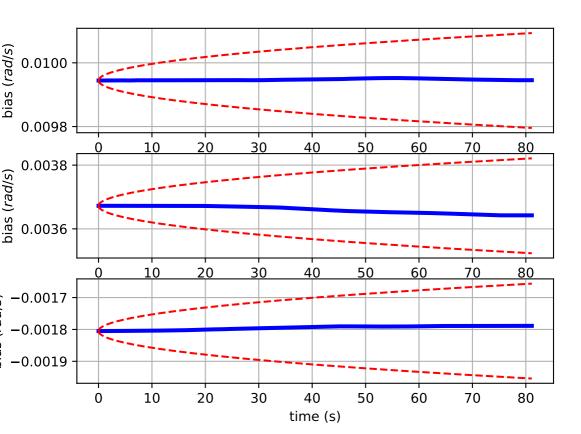
Comparison of predicted and measured angular velocities (body frame)



imu1: angular velocities error



imu1: estimated gyro bias (imu frame)



cam0: reprojection errors

