Gyroscope error (imu0) [rad/s]:

Residuals

[0.

Reprojection error (cam0) [px]:

Transformation (cam0):
-----T_ci: (imu0 to cam0):
[[0.00179621 0.99975266 -0.02216745 0.04066494]

Accelerometer error (imu0) [m/s^2]: mean 0.665198725866, median 0.502704798708, std: 0.502290

mean 0.448041615078, median 0.31681982198, std: 0.413871000

mean 0.0948604774116, median 0.0846940984702, std: 0.070524

[-0.99977684 0.00226197 0.02100357 -0.02253073]

timeshift cam0 to imu0: [s] (t_imu = t_cam + shift) 0.0006782345229153565

1.

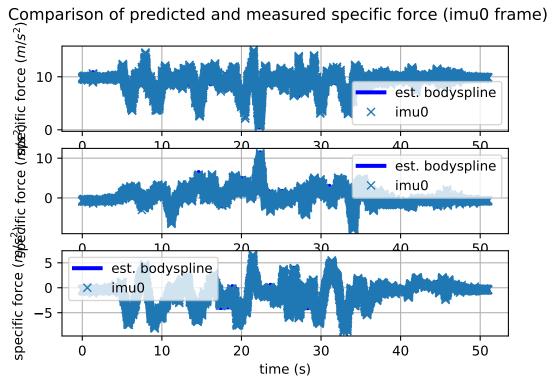
0.

0.

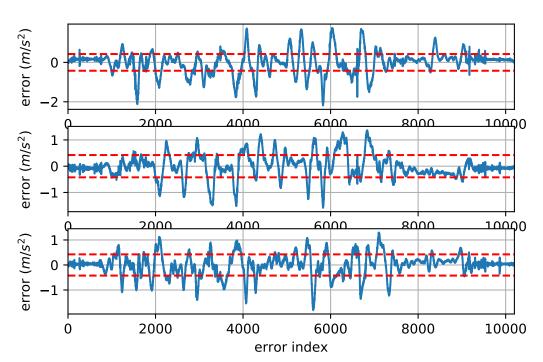
Camera model: pinhole Focal length: [462.1043820249756, 460.64320792063444] Principal point: [360.5759001834265, 234.15330719645002] Distortion model: equidistant Distortion coefficients: [-0.0066083616410188865, 0.03065787714084398, -0.03875016297076553 Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.02 [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

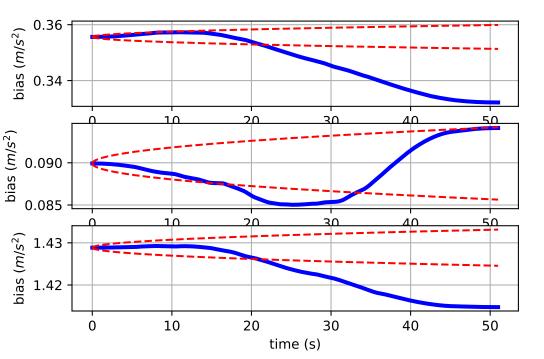
Tih



imu0: acceleration error

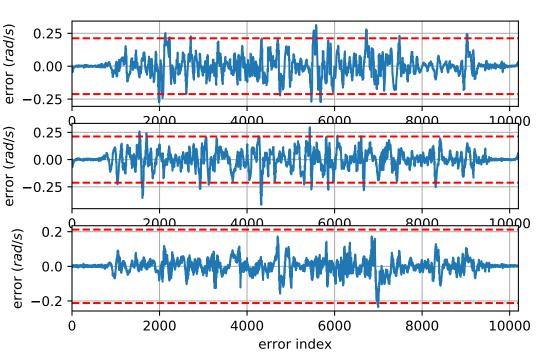


imu0: estimated accelerometer bias (imu frame)

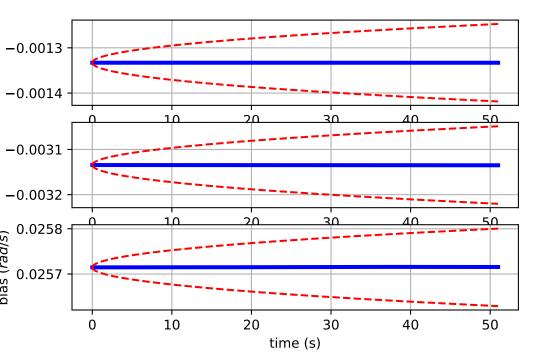


Comparison of predicted and measured angular velocities (body frame) ang. velocity (*rad/s*) velocity (*rad/s*) 2.5 0.0 est. bodyspline imu0 50 2 0 est. bodyspline imu0 ang. velocity (*rad/s*) ang. est. bodyspline 2.5 imu0 0.0 10 20 30 40 50 time (s)

imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

