Accelerometer error (imu0):

Reprojection error (cam1) [px]:

Gyroscope error (imu0) [rad/s]:

Residuals

Reprojection error (cam0) [px]:

Transformation (cam0):
----T_ci: (imu0 to cam0):

mean 6.90958146545, median 3.96262272738, std: 9.5993463762

Accelerometer error (imu0) [m/s^2]: mean 0.273605466925, median 0.156911854502, std: 0.38011472338

mean 0.30101949514, median 0.285612082843, std: 0.154486933908

mean 0.290815992567, median 0.275900479689, std: 0.150259872253

mean 0.0999766122263, median 0.0508261196196, std: 0.145823117084

timeshift cam0 to imu0: [s] ($t_imu = t_cam + shift$) -0.0416022582112

Transformation (cam1):

T ci: (imu0 to cam1):

```
١٥.
         0.
                 0.
                    1.
                               11
T ic: (cam1 to imu0):
[-0.00168439 \ 0.02567432 \ 0.99966894 \ -0.00085891]
[-0.99995627 0.00915295 -0.00191994 -0.06713569]
[-0.00919921 -0.99962846 0.02565778 0.00157598]
I 0.
         ٥.
                 Ο.
                        1.
                               11
timeshift cam1 to imu0: [s] (t imu = t cam + shift)
-0.0493674064857
Baselines:
Baseline (cam0 to cam1):
[[ 0.99999498 -0.00007724 -0.00316806 -0.06980324]
[ 0.00007537  0.99999982 -0.00059134  0.00130973]
[0.00316811 0.0005911 0.99999481 0.00005147]
                        1.
ΓΟ.
         0.
                 0.
baseline norm: 0.0698155441315 [m]
Gravity vector in target coords: [m/s^2]
[-0.37131726 -9.78903666 -0.45310882]
Calibration configuration
cam0
 Camera model: pinhole
 Focal length: [350.6710644389852, 350.2475087910409]
 Principal point: [329.2739557834024, 193.25709071404128]
 Distortion model: radtan
 Distortion coefficients: [0.008147778356836785, -0.0037053354094802515, 0.00233892524850841, -0.00
 Type: aprilgrid
 Tags:
```

```
Spacing 0.02610294 [m]
```

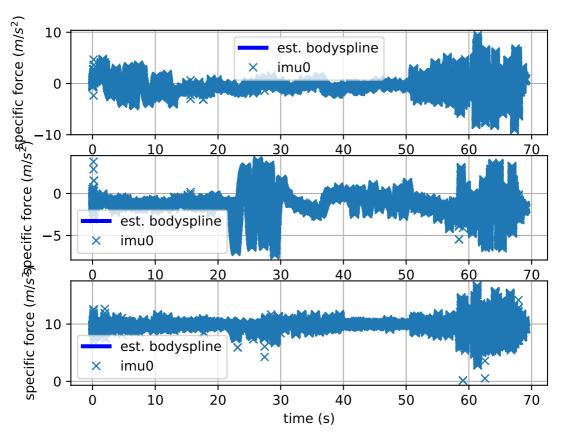
Random walk: 2.2e-06

[[1. 0. 0. 0.]

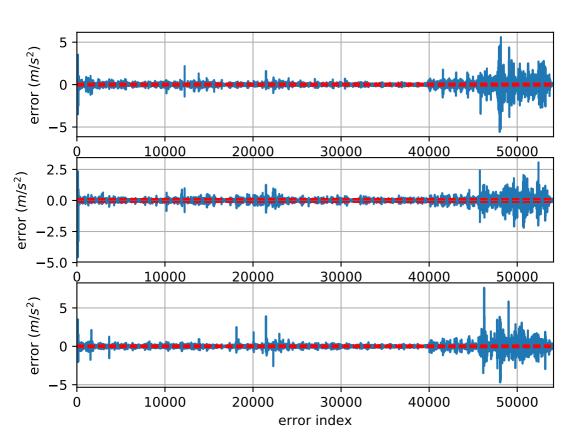
Tib

cam1 Camera model: pinhole Focal length: [350.4040190156699, 349.8618071780678] Principal point: [332.64898397418125, 193.11729278832107] Distortion model: radtan Distortion coefficients: [0.007140913951502129, -0.0038466488085136773, 0.0021614899865584404, 0.0 Type: aprilgrid Tags: Rows: 6 Cols: 6 Size: 0.0878 [m] Spacing 0.02610294 [m] IMU configuration ============ IMU0: Model: calibrated Update rate: 800.0 Accelerometer: Noise density: 0.0014 Noise density (discrete): 0.0395979797464 Random walk: 8e-05 Gyroscope: Noise density: 8.6e-05 Noise density (discrete): 0.00243244732728

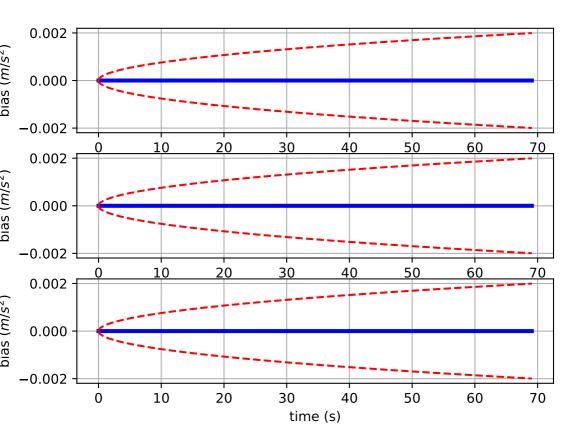
Comparison of predicted and measured specific force (imu0 frame)



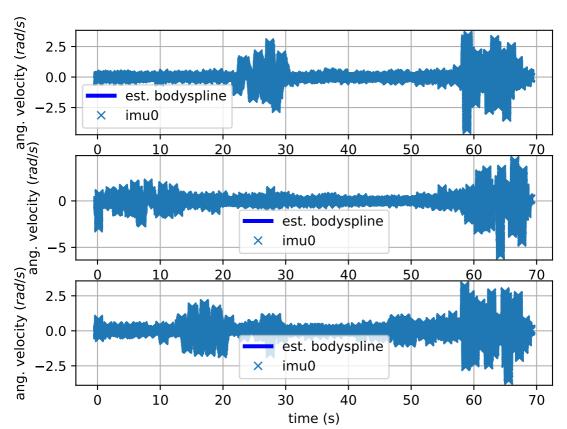
imu0: acceleration error



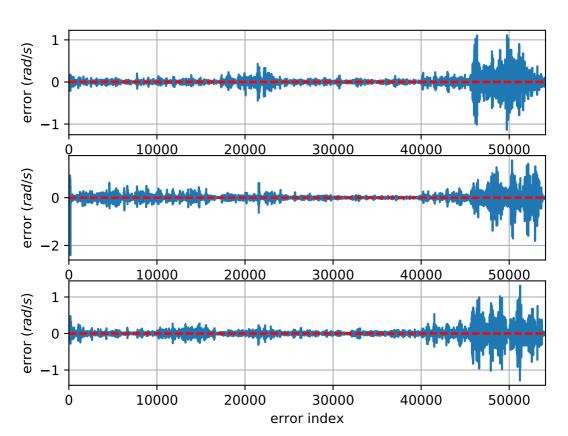
imu0: estimated accelerometer bias (imu frame)



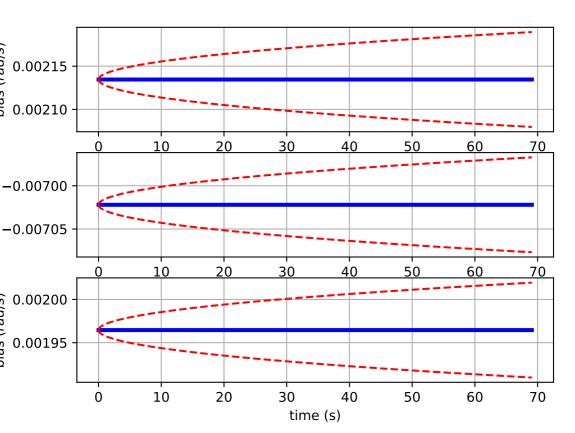
Comparison of predicted and measured angular velocities (body frame)



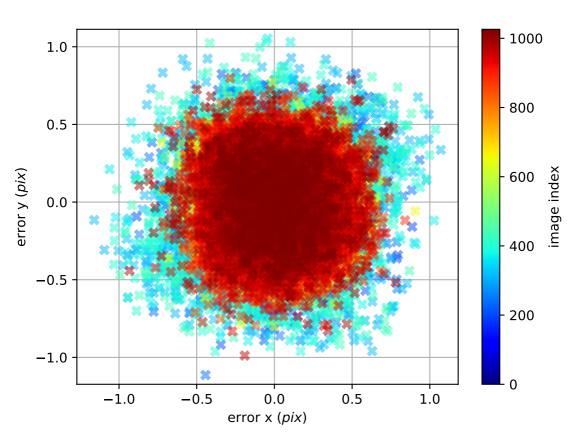
imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors



cam1: reprojection errors

