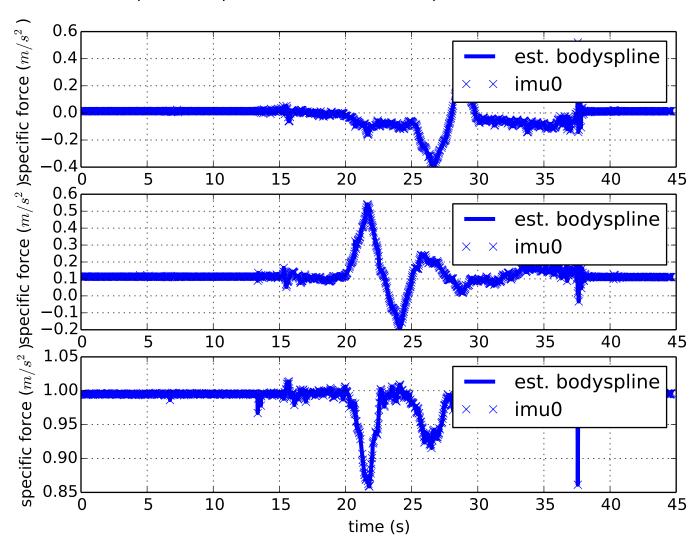
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                         mean 0.5253237585, median 0.475045073655, std: 0.291491528035
Gyroscope error (imu0):
                         mean 0.000712203901796, median 3.79723943746e-08, std: 0.00539094686849
Accelerometer error (imu0): mean 0.000862117485546, median 0.000862601204705, std: 3.45185952611e-06
Residuals
Reprojection error (cam0) [px]:
                              mean 0.5253237585, median 0.475045073655, std: 0.291491528035
Gyroscope error (imu0) [rad/s]:
                              mean 1.46001799868e-05, median 7.7843408468e-10, std: 0.000110514410804
Accelerometer error (imu0) [m/s^2]: mean 2.75877595375e-06, median 2.76032385506e-06, std: 1.10459504835e-08
Transformation (cam0):
T ci: (imu0 to cam0):
[[0.00362616 -0.99960975 0.02769844 -0.00094624]
[-0.109686 -0.02792908 -0.99357383 0.00019912]
[ 0.99395967  0.00056473 -0.10974447 -0.00308243]
١٥.
         0.
                0.
                     1.
T ic: (cam0 to imu0):
[[0.00362616 -0.109686    0.99395967    0.00308908]
[-0.99960975 -0.02792908 0.00056473 -0.00093857]
[ 0.02769844 -0.99357383 -0.10974447 -0.00011423]
10.
         0.
                0.
                    1. 11
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.0
Gravity vector in target coords: [m/s^2]
[1.8794379 -9.5926086 0.78612744]
Calibration configuration
   =================
```

cam0

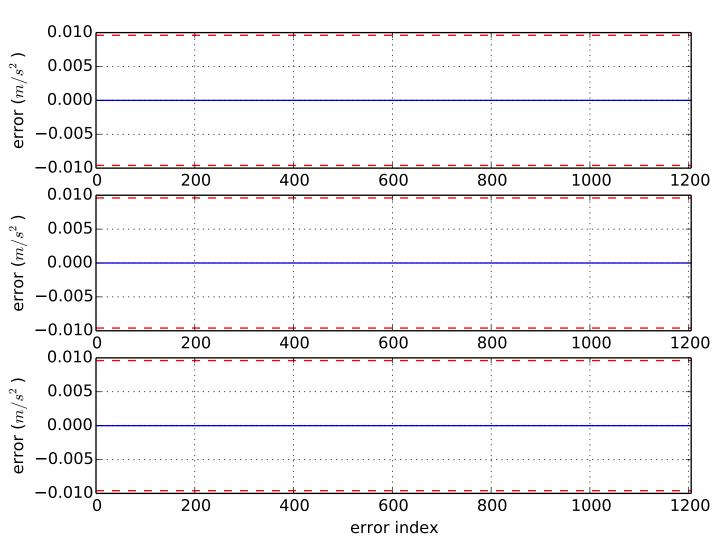
```
----
 Camera model: omni
 Focal length: [149.781, 149.6935]
 Principal point: [160.0177, 115.0287]
 Omni xi: 0.8731
 Distortion model: radtan
 Distortion coefficients: [-0.0578, 0.0052, -0.00030508, 7.2296e-05]
 Type: aprilgrid
 Tags:
  Rows: 6
  Cols: 6
  Size: 0.03 [m]
  Spacing 0.00999 [m]
IMU configuration
IMU0:
-----
 Model: calibrated
 Update rate: 25
 Accelerometer:
  Noise density: 0.00064
  Noise density (discrete): 0.0032
  Random walk: 8.86e-07
 Gyroscope:
  Noise density: 0.0041
  Noise density (discrete): 0.0205
  Random walk: 5.7e-07
 Tib
  [1. 0. 0. 0.]
  [0. 1. 0. 0.]
  [0. 0. 1. 0.]
  [0. 0. 0. 1.]]
```

time offset with respect to IMU0: 0.0 [s]

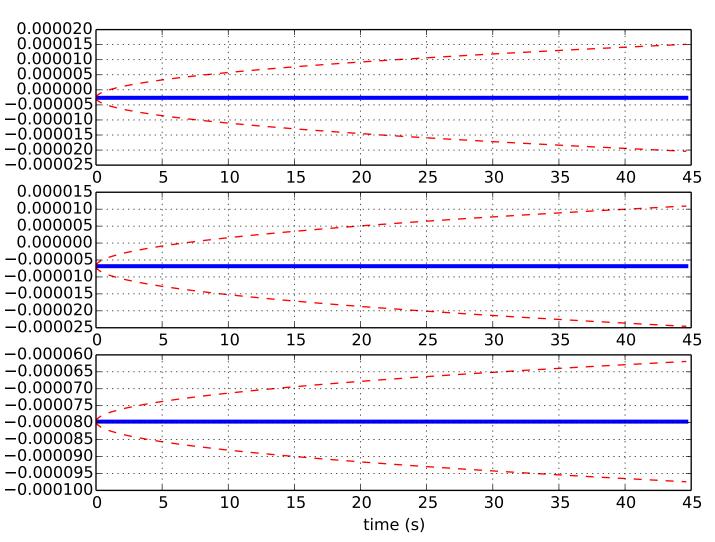
Comparison of predicted and measured specific force (imu0 frame)

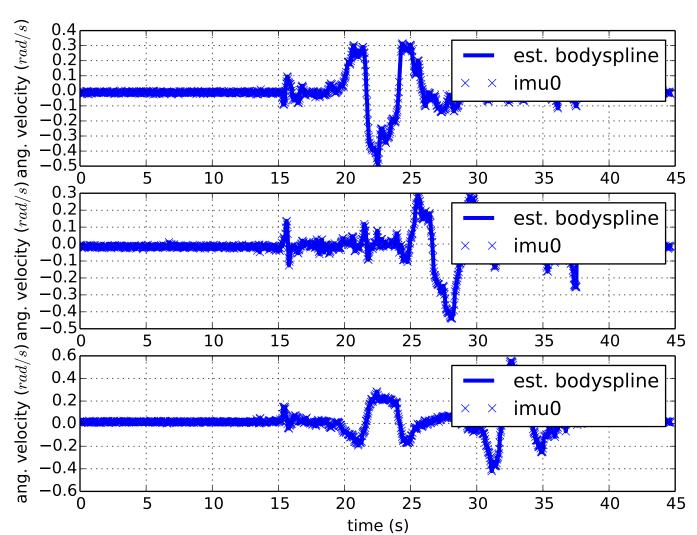


imu0: acceleration error

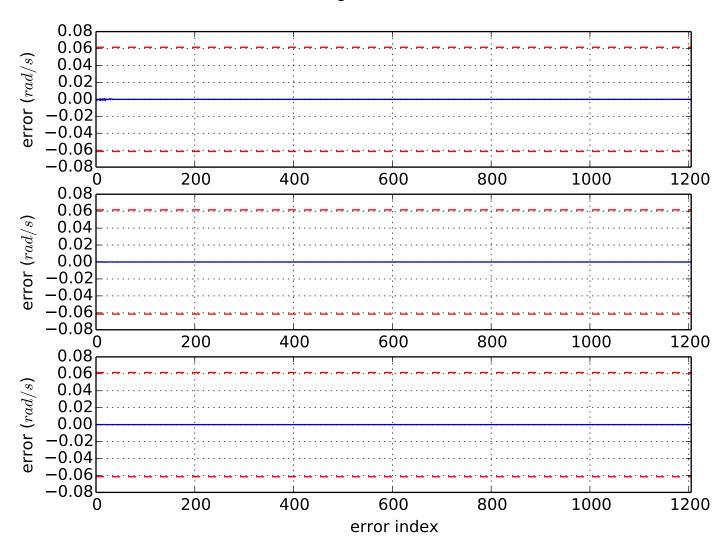


imu0: estimated accelerometer bias (imu frame)

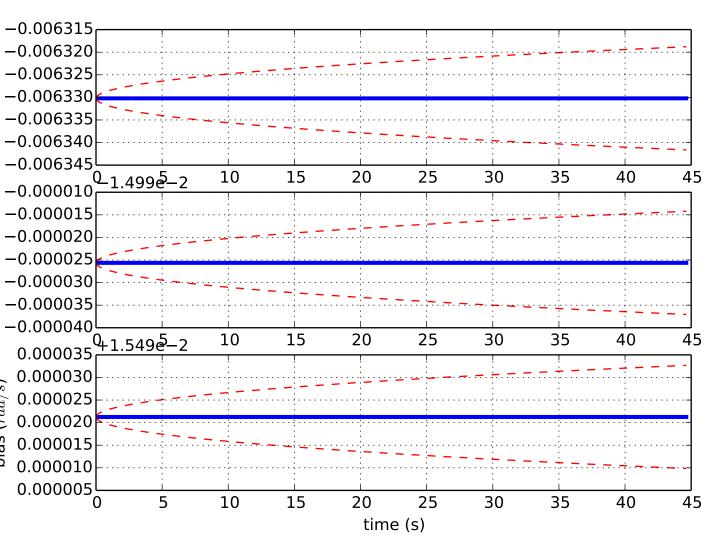




imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

