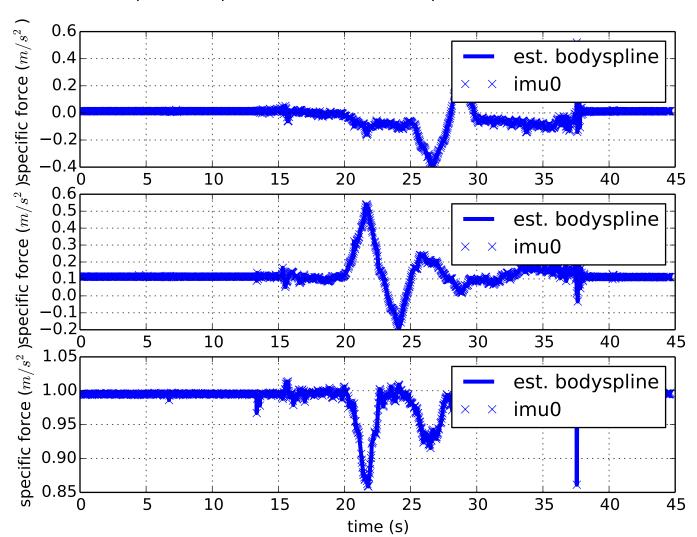
```
Calibration results
______
Normalized Residuals
_____
Reprojection error (cam0):
                          mean 1.23856276648, median 1.07559212868, std: 0.746340426006
Gyroscope error (imu0):
                         mean 0.00182912202307, median 1.85454948478e-08, std: 0.0132837056715
Accelerometer error (imu0): mean 0.00046960969418, median 0.00047417630287, std: 2.91405528227e-05
Residuals
Reprojection error (cam0) [px]:
                              mean 1.23856276648, median 1.07559212868, std: 0.746340426006
Gyroscope error (imu0) [rad/s]:
                              mean 3.74970014729e-05, median 3.8018264438e-10, std: 0.000272315966265
Accelerometer error (imu0) [m/s^2]: mean 1.50275102138e-06, median 1.51736416918e-06, std: 9.32497690328e-08
Transformation (cam0):
T ci: (imu0 to cam0):
[[-0.00679098 -0.9994008  0.03394012  0.00004323]
[-0.10426958 -0.03304818 -0.99399984 -0.00028166]
[ 0.99452589 -0.01028916 -0.10398267  0.00003949]
١٥.
         0.
                0.
                     1.
                             -11
T ic: (cam0 to imu0):
[[-0.00679098 -0.10426958 0.99452589 -0.00006835]
[-0.9994008 -0.03304818 -0.01028916 0.0000343 ]
[ 0.03394012 -0.99399984 -0.10398267 -0.00027733]
10.
         0.
                0.
                      1.
timeshift cam0 to imu0: [s] (t imu = t cam + shift)
0.0
Gravity vector in target coords: [m/s^2]
[ 0.23892023 -9.76170638  0.90577518]
Calibration configuration
   =================
```

cam0

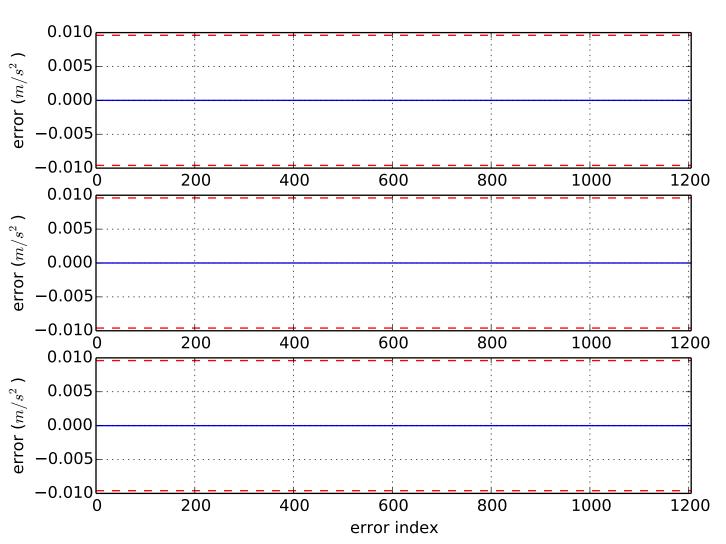
```
----
 Camera model: omni
 Focal length: [299.562, 299.387]
 Principal point: [320.0354, 230.0574]
 Omni xi: 0.8731
 Distortion model: radtan
 Distortion coefficients: [-0.0578, 0.0052, -0.00030508, 7.2296e-05]
 Type: aprilgrid
 Tags:
  Rows: 6
  Cols: 6
  Size: 0.03 [m]
  Spacing 0.00999 [m]
IMU 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]

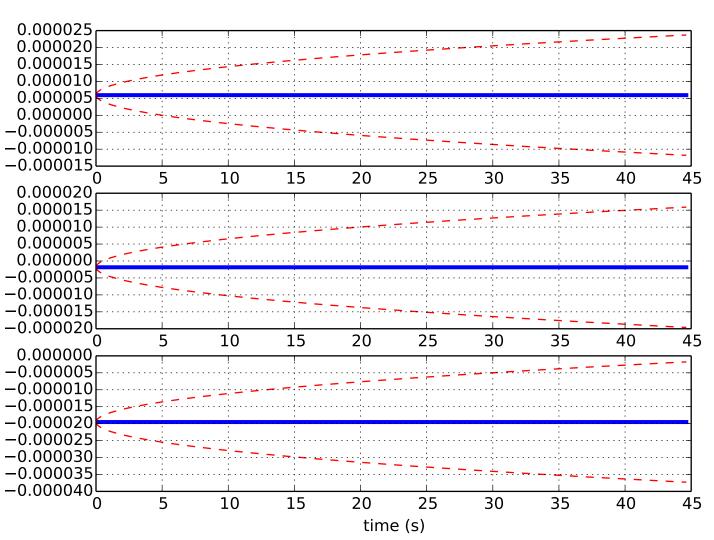
Comparison of predicted and measured specific force (imu0 frame)

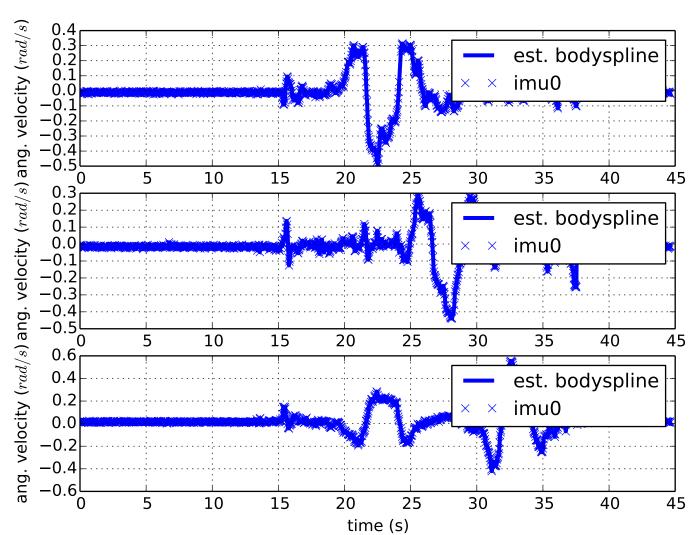


imu0: acceleration error

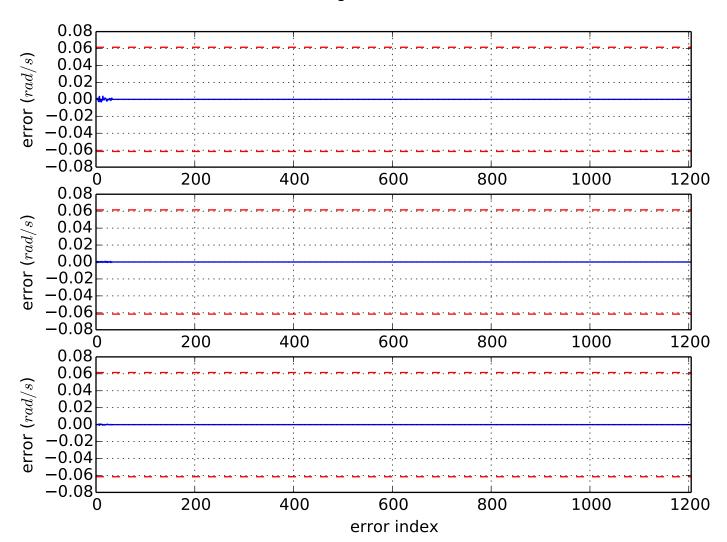


imu0: estimated accelerometer bias (imu frame)

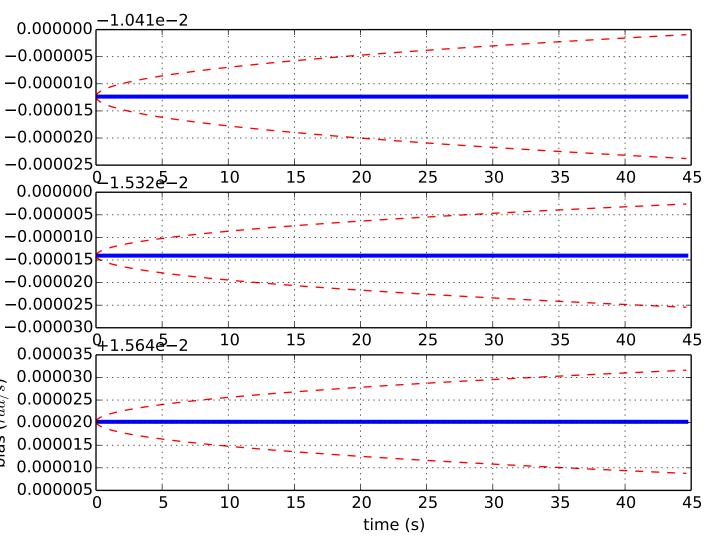




imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

