Calibration results
Normalized Residuals
Reprojection error (cam0): mean 8.1274298291, median 7.63266998875, std: 4.27635253105  Gyroscope error (imu0): mean 0.0103768281206, median 2.3828984599e-07, std: 0.0793470247141  Accelerometer error (imu0): mean 0.00532708136785, median 0.00532446065886, std: 7.10198731557e-05
Residuals
Reprojection error (cam0) [px]: mean 8.1274298291, median 7.63266998875, std: 4.27635253105 Gyroscope error (imu0) [rad/s]: mean 0.000212724976472, median 4.8849418428e-09, std: 0.00162661400664 Accelerometer error (imu0) [m/s^2]: mean 1.70466603771e-05, median 1.70382741083e-05, std: 2.27263594098e-07
Transformation (cam0):
T_ci: (imu0 to cam0): [[-0.15526983
T_ic: (cam0 to imu0): [[-0.15526983 -0.24254547  0.95763405  0.00102814] [ 0.98425663 -0.12084343  0.12897968 -0.00122496] [ 0.08444035  0.96258431  0.25749032 -0.0012081 ] [ 0.
timeshift cam0 to imu0: [s] (t_imu = t_cam + shift) 0.0
Gravity vector in target coords: [m/s^2] [-1.34697545 9.47992287 -2.11781548]
Calibration configuration

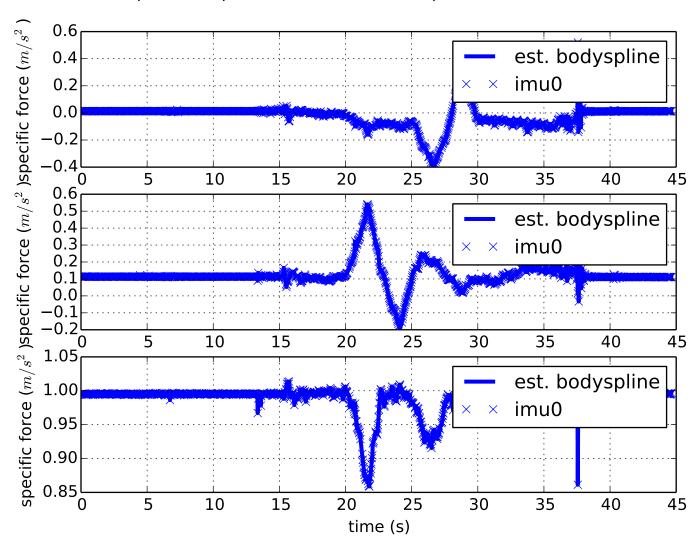
cam0

```
Camera model: pinhole
 Focal length: [206.6688, 206.9523]
 Principal point: [326.0185, 205.8282]
 Distortion model: equidistant
 Distortion coefficients: [1.2828, 0.0304, 0.0166, -0.0138]
 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.]
```

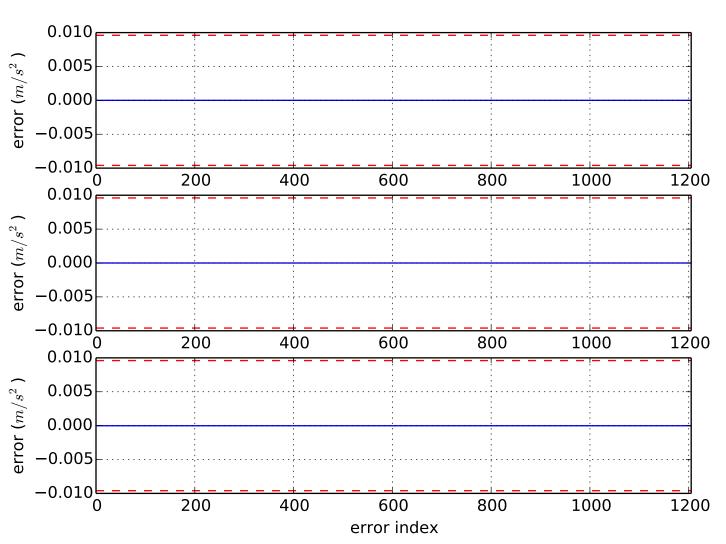
[0. 0. 0. 1.]

time offset with respect to IMU0: 0.0 [s]

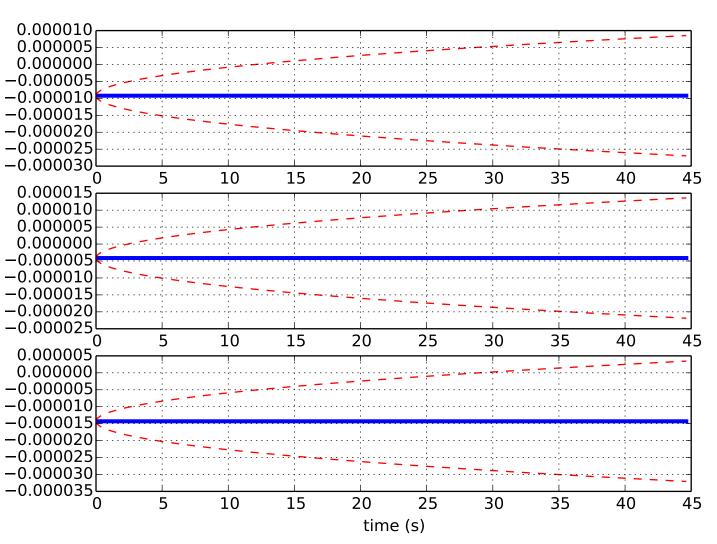
Comparison of predicted and measured specific force (imu0 frame)

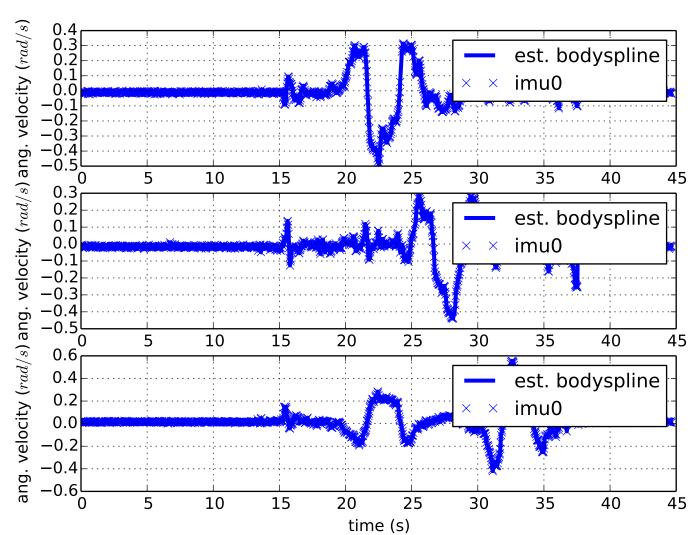


imu0: acceleration error

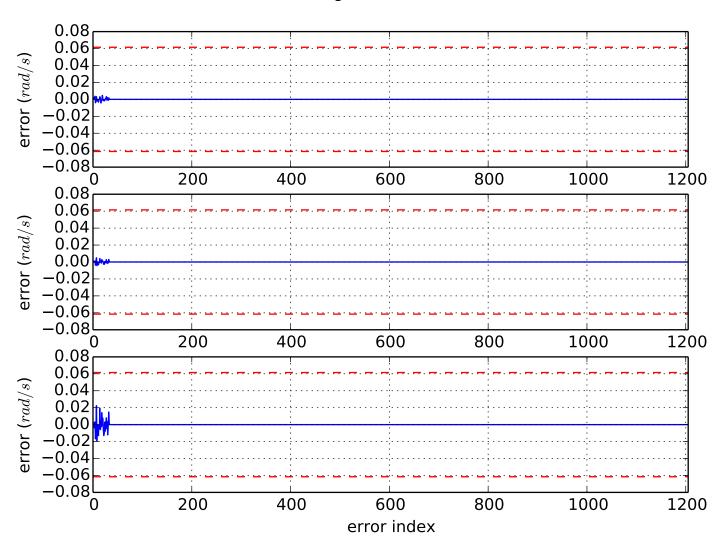


imu0: estimated accelerometer bias (imu frame)

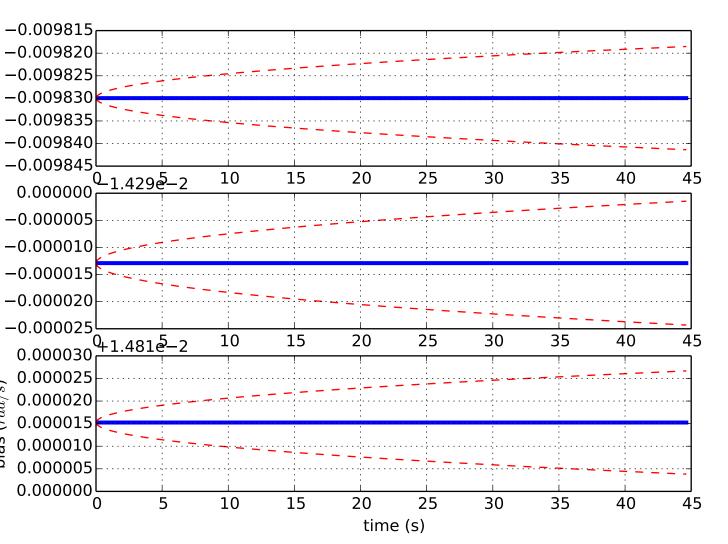




imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

