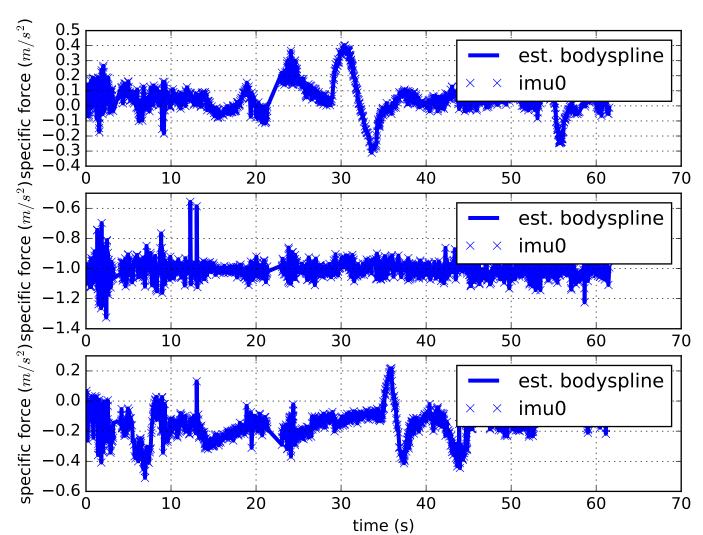
Calibration results
Normalized Residuals
Reprojection error (cam0): mean 4.67249144985, median 4.09579350702, std: 3.04545674202 Gyroscope error (imu0): mean 0.00348694506757, median 3.47998955456e-05, std: 0.0336143198301 Accelerometer error (imu0): mean 4.27908342459e-05, median 5.96280037333e-08, std: 0.000413862298371
Residuals
Transformation (cam0):
T_ci: (imu0 to cam0): [[-0.97885308
T_ic: (cam0 to imu0): [[-0.97885308 -0.20091882
timeshift cam0 to imu0: [s] (t_imu = t_cam + shift) -0.0375413436406
Gravity vector in target coords: [m/s^2] [-2.18792544 -9.55883221 -0.10065765]
Calibration configuration

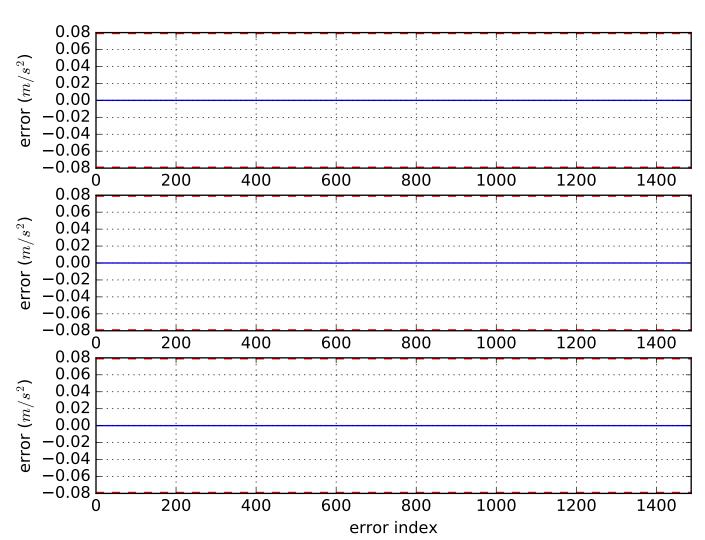
cam0

```
Camera model: pinhole
 Focal length: [461.629, 460.152]
 Principal point: [362.68, 246.049]
 Distortion model: radtan
 Distortion coefficients: [-0.27695497, 0.06712482, 0.00087538, 0.00011556]
 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: 0.00186
  Noise density (discrete): 0.0263043722601
  Random walk: 0.000433
 Gyroscope:
  Noise density: 0.000187
  Noise density (discrete): 0.00264457936164
  Random walk: 2.66e-05
 Tib
  [[1. 0. 0. 0.]]
  [0. 1. 0. 0.]
  [0. 0. 1. 0.]
  [0. 0. 0. 1.]
```

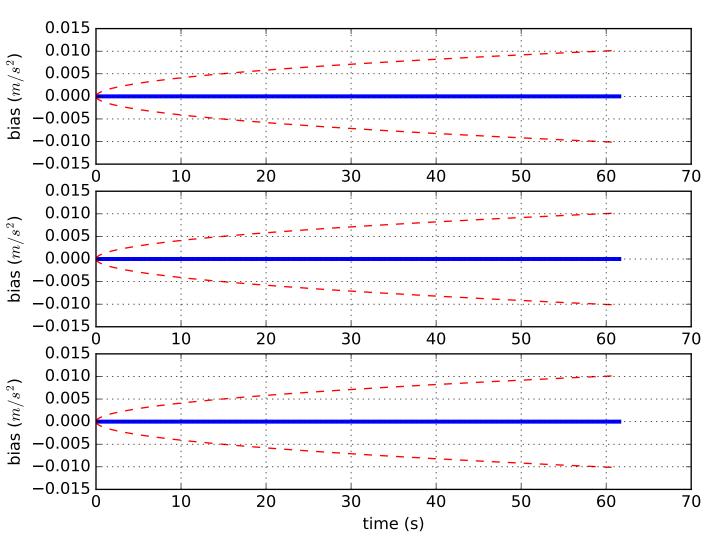
time offset with respect to IMU0: 0.0 [s]



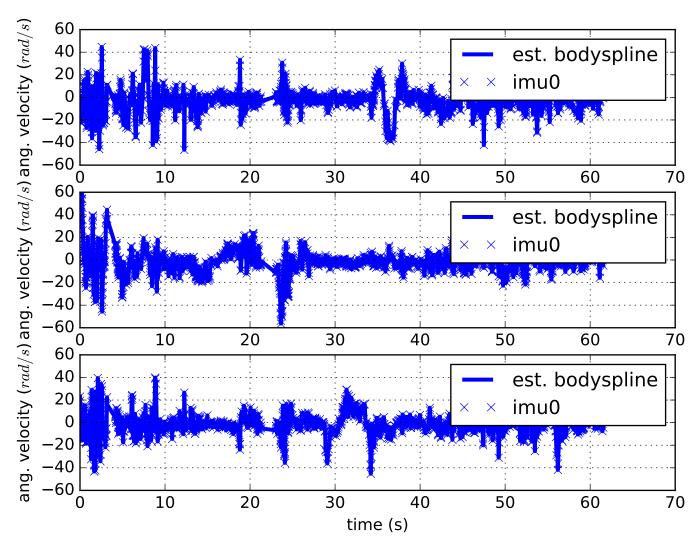
imu0: acceleration error



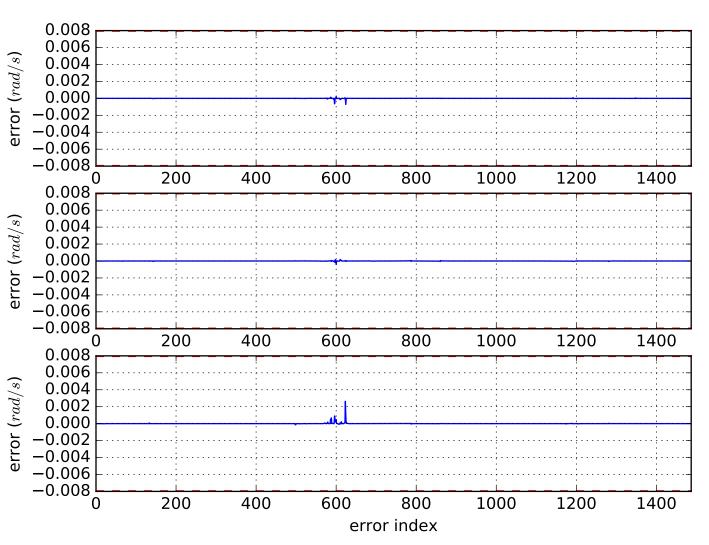
imu0: estimated accelerometer bias (imu frame)



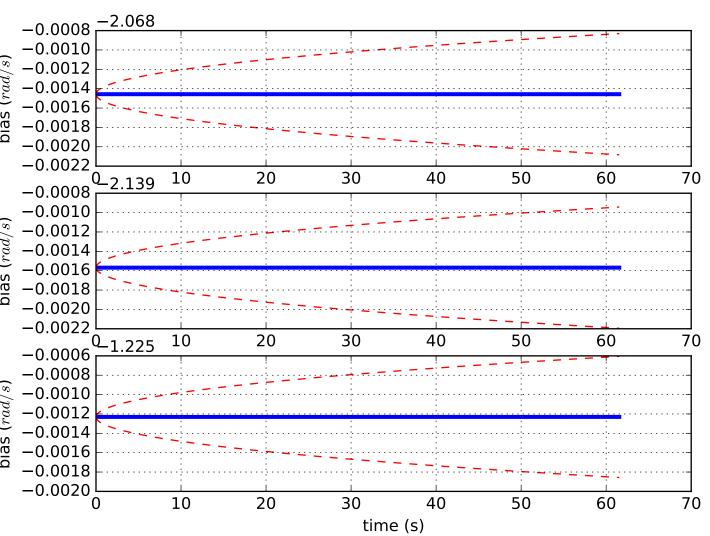
Comparison of predicted and measured angular velocities (body frame)



imu0: angular velocities error



imu0: estimated gyro bias (imu frame)



cam0: reprojection errors

