

## Calibration results

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### Camera-system parameters:

cam0 (/camera/infra1/image\_rect\_raw):

type: <class 'aslam\_cv.libaslam\_cv\_python.DistortedPinholeCameraGeometry'>

distortion: [ 0.00184334 -0.00374562 -0.00014742 0.00077265] +- [0.00234914 0.00314636 0.00042128 0.00051297]

projection: [378.33321539 378.64122344 320.94971183 240.13180641] +- [0.16470085 0.17363848 0.65054254  
0.6058144 ]

reprojection error: [0.000008, 0.000001] +- [0.041839, 0.036083]

cam1 (/camera/infra2/image\_rect\_raw):

type: <class 'aslam\_cv.libaslam\_cv\_python.DistortedPinholeCameraGeometry'>

distortion: [ 0.00135004 -0.00371457 -0.0002243 0.00057871] +- [0.00235752 0.0031696 0.00041161 0.00052625]

projection: [378.37076312 378.66253759 320.57176144 240.24808237] +- [0.17759836 0.17692083 0.66702501  
0.60356454]

reprojection error: [-0.000001, 0.000001] +- [0.039729, 0.035920]

baseline T\_1\_0:

q: [-0.00016402 -0.00026174 0.00000989 0.99999995] +- [0.0008654 0.00145619 0.00012124]

t: [-0.04998406 0.000048 -0.0001933 ] +- [0.00008599 0.00008085 0.00029008]

## Target configuration

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Type: checkerboard

Rows

Count: 11

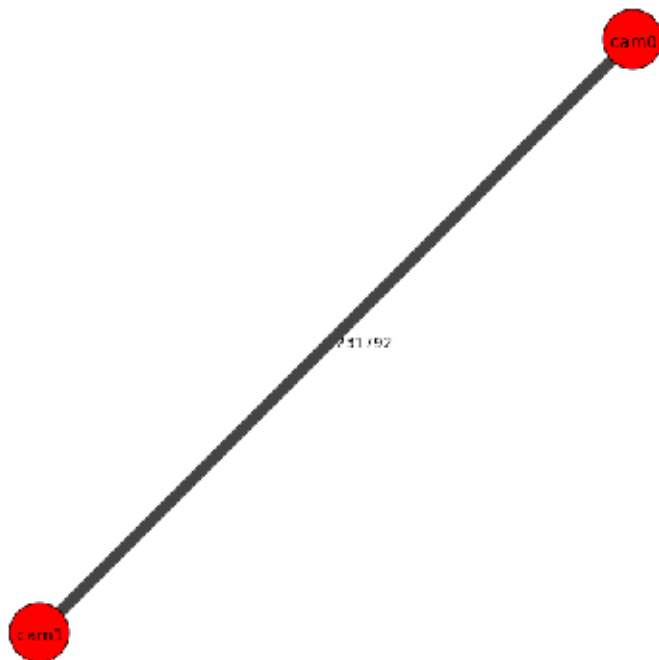
Distance: 0.02 [m]

Cols

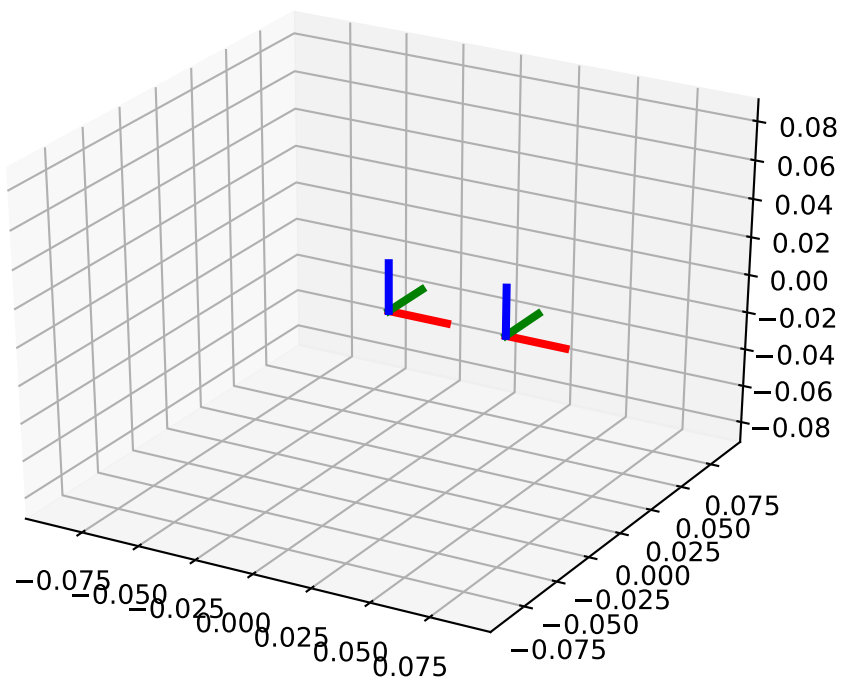
Count: 8

Distance: 0.02 [m]

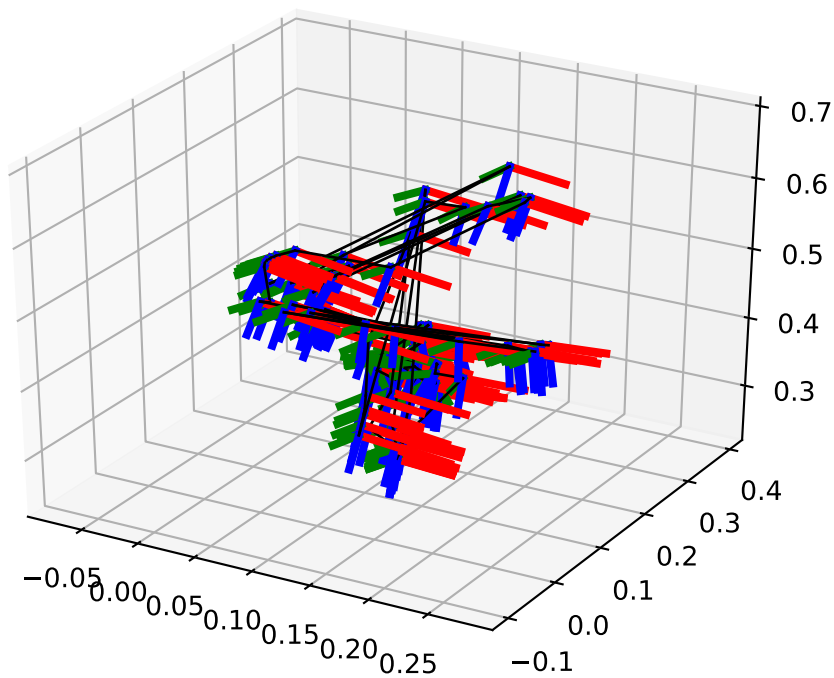
Inter-camera observations graph (edge weight=#mutual obs.)



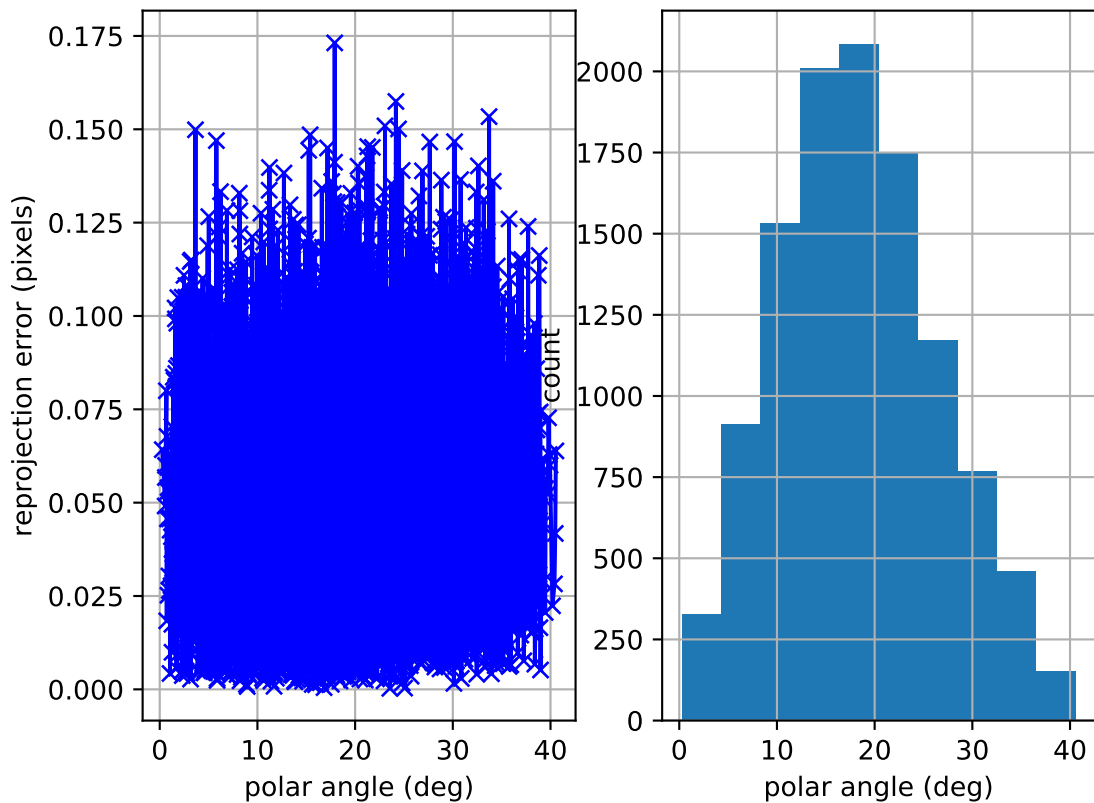
camera system



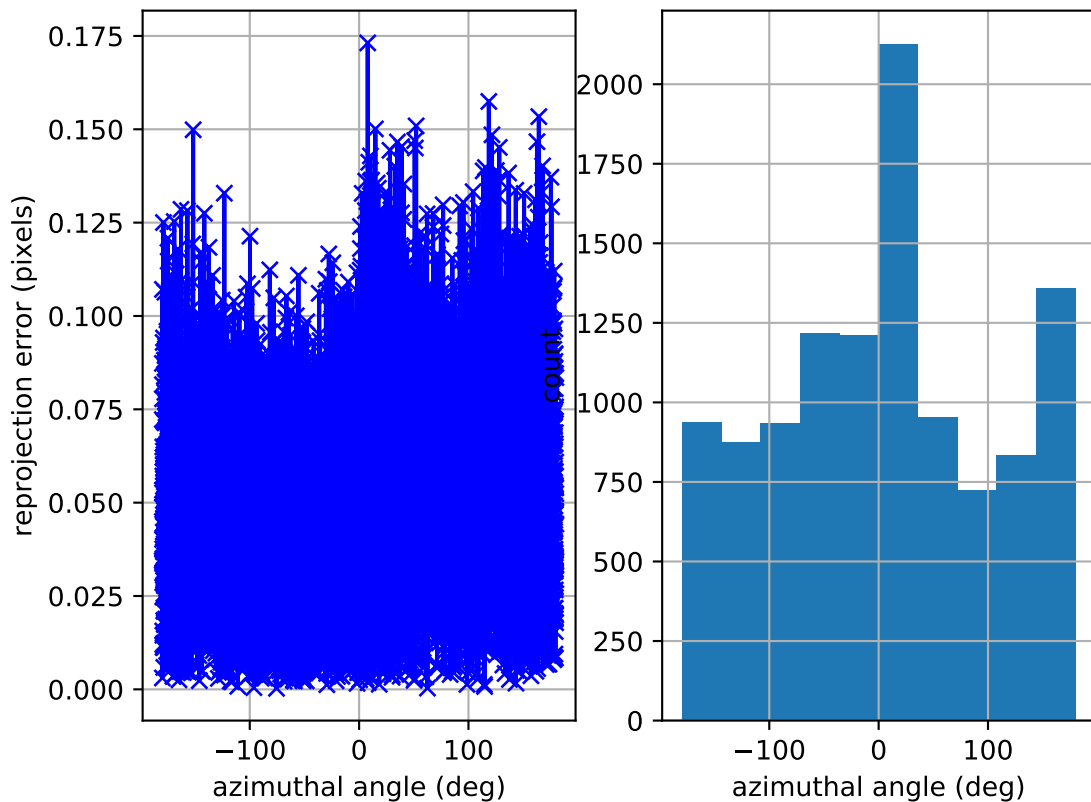
cam0: estimated poses



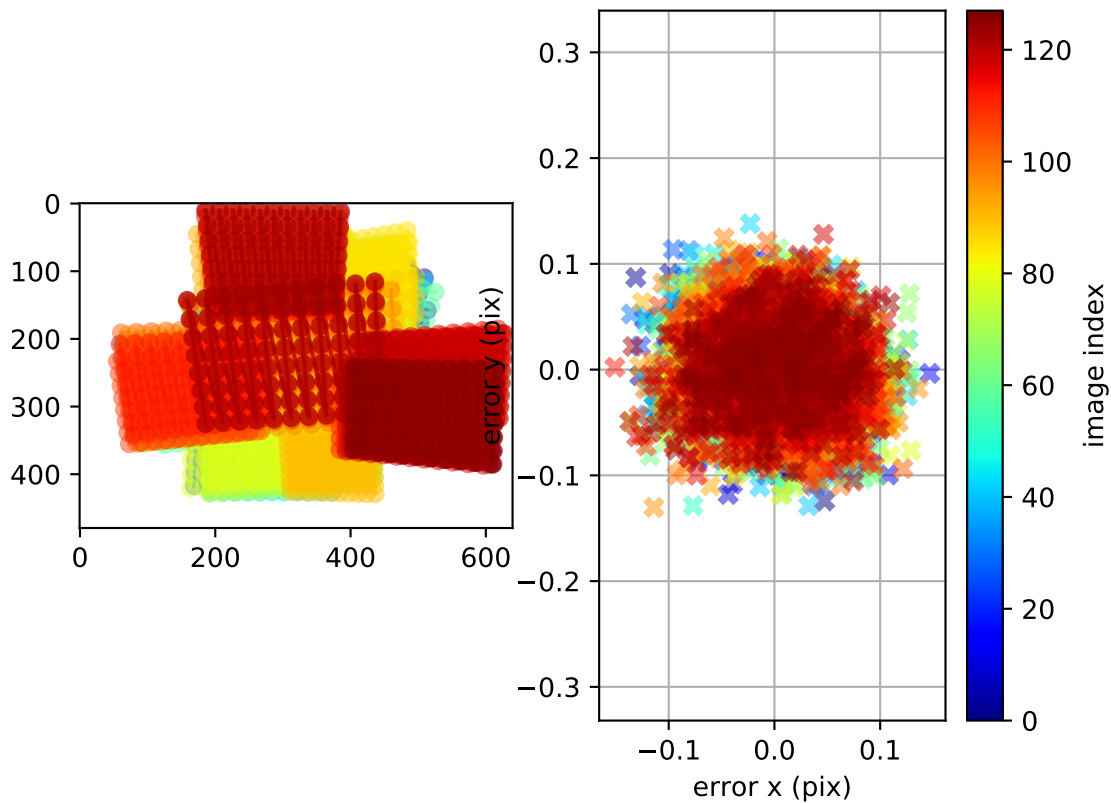
cam0: polar error



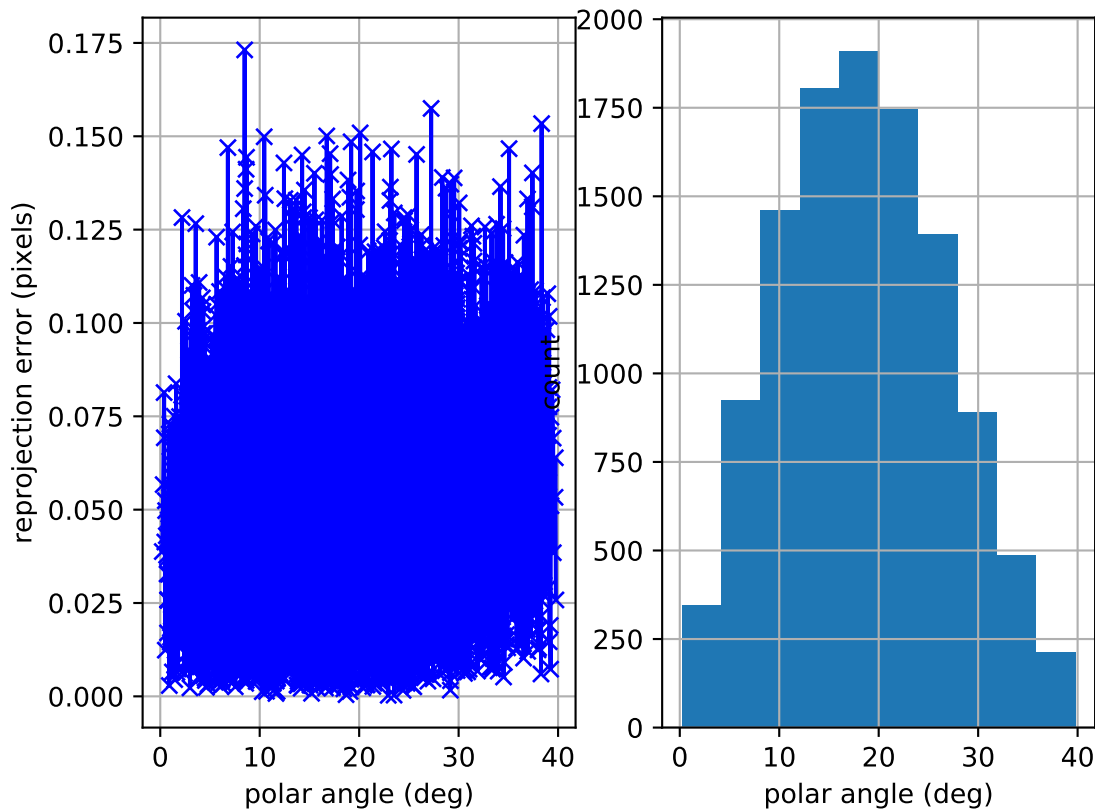
cam0: azimuthal error



cam0: reprojection errors

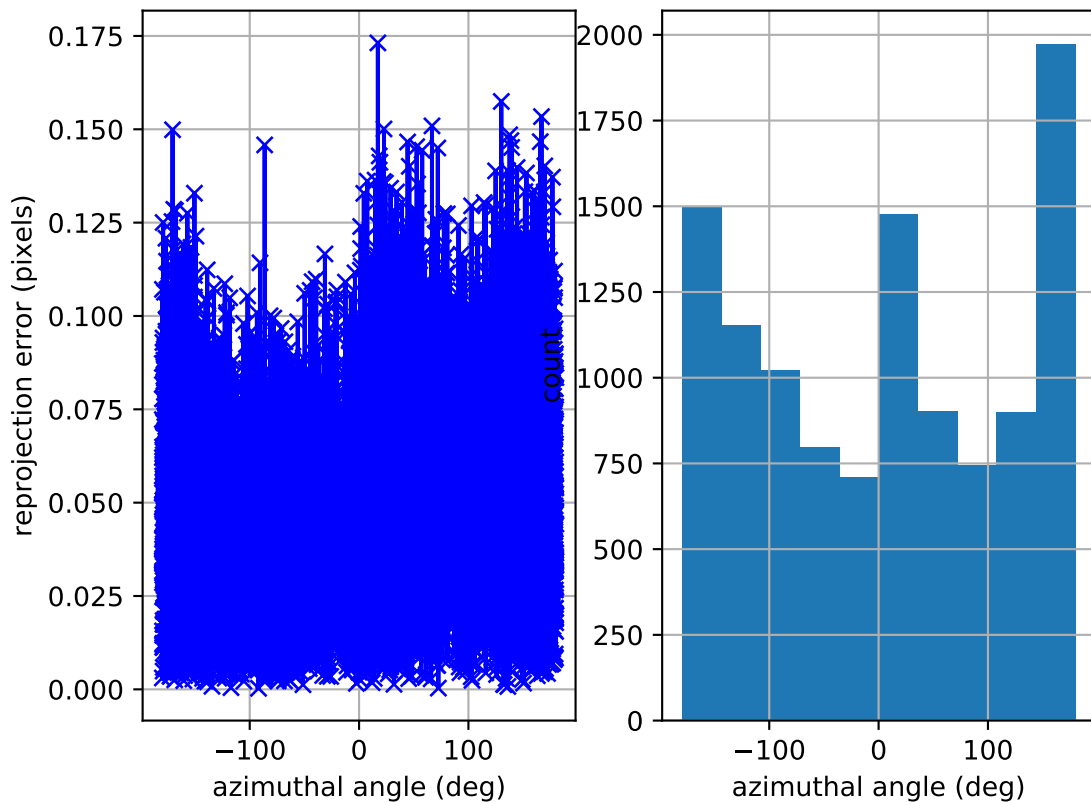


cam1: polar error

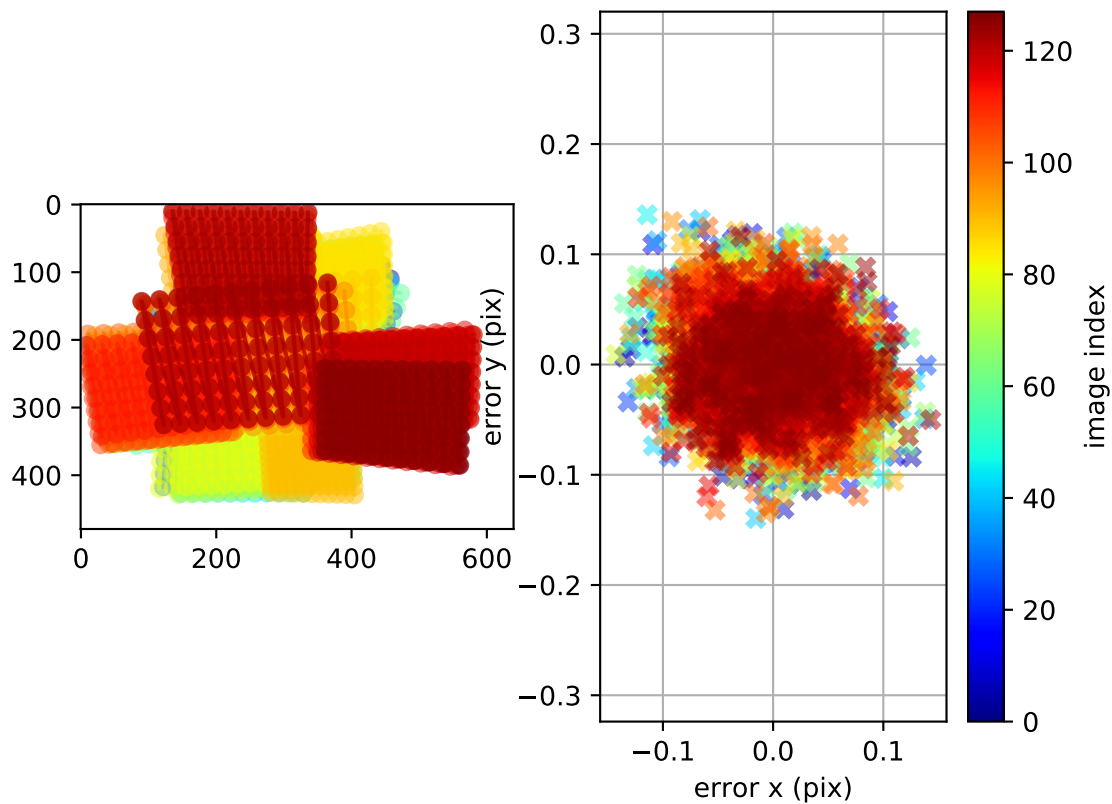




cam1: azimuthal error

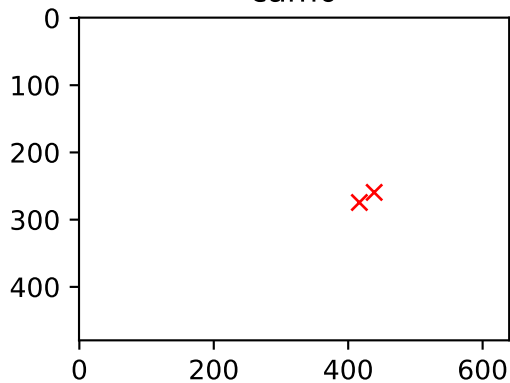


cam1: reprojection errors



# Location of removed outlier corners

cam0



cam1

