

## Calibration results

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### Camera-system parameters:

cam0 (/cam0/image\_raw):

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

distortion: [-0.22597517 -1.61331058 0.00004971 0.00103372] +- [0.08815384 0.01037665 0.00328922 0.00436343]

projection: [ 2.18627634 2218.56824293 2217.61288206 338.28436028 250.35739663] +- [0.0384041 0.09563418  
0.09565815 0.26763683 0.67497756]

reprojection error: [-0.000015, 0.000002] +- [0.194403, 0.189541]

cam1 (/cam2/image\_raw):

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

distortion: [-0.44128533 0.23729951 0.00102212 -0.00218587] +- [0.01916303 0.10019503 0.00132764 0.00138025]

projection: [ 0.25006679 838.0461279 837.87365135 319.35105275 237.86936087] +- [0.01518181 0.1506326  
0.15065638 0.2508855 0.65256972]

reprojection error: [0.000007, -0.000005] +- [0.156674, 0.157491]

baseline T\_1\_0:

q: [-0.00017988 -0.00347628 0.00099811 0.99999344] +- [0.00200071 0.00083363 0.0002297 ]

t: [ 0.10313087 -0.0005939 0.00130075] +- [0.00019153 0.00017089 0.00114176]

### Target configuration

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Type: checkerboard

Rows

Count: 8

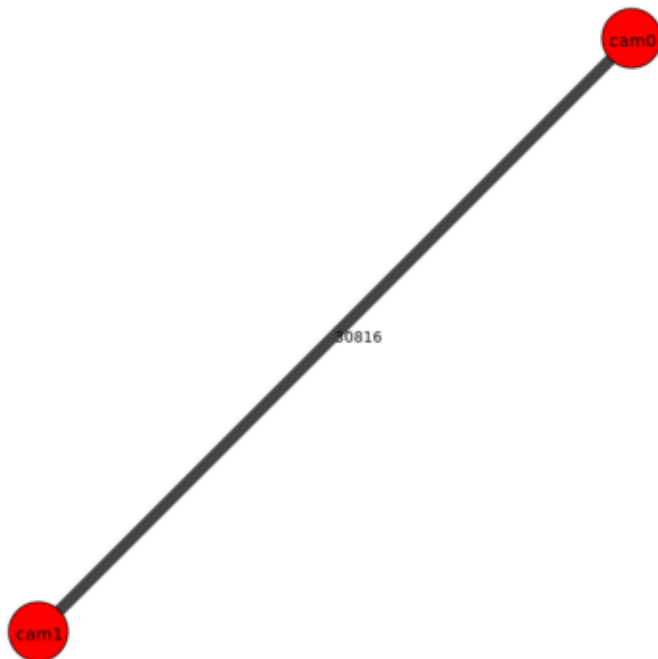
Distance: 0.026 [m]

Cols

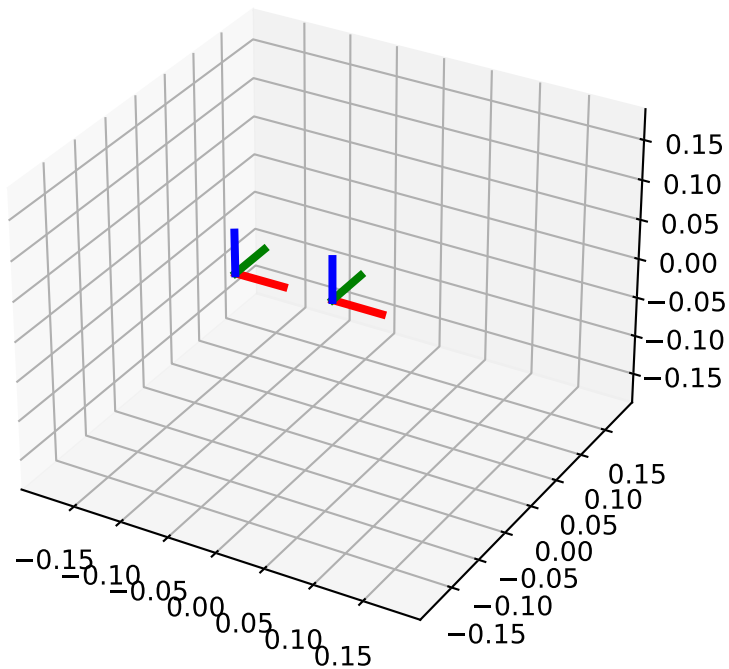
Count: 6

Distance: 0.026 [m]

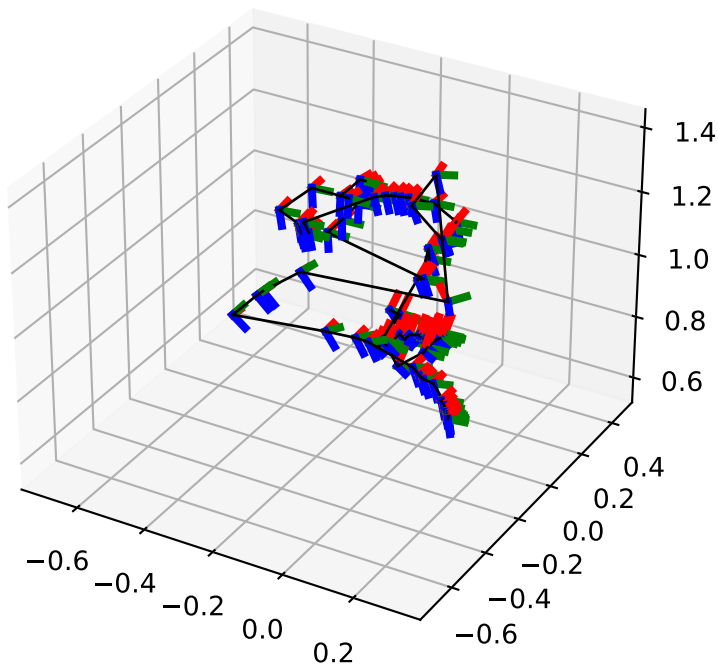
Inter-camera observations graph (edge weight=#mutual obs.)



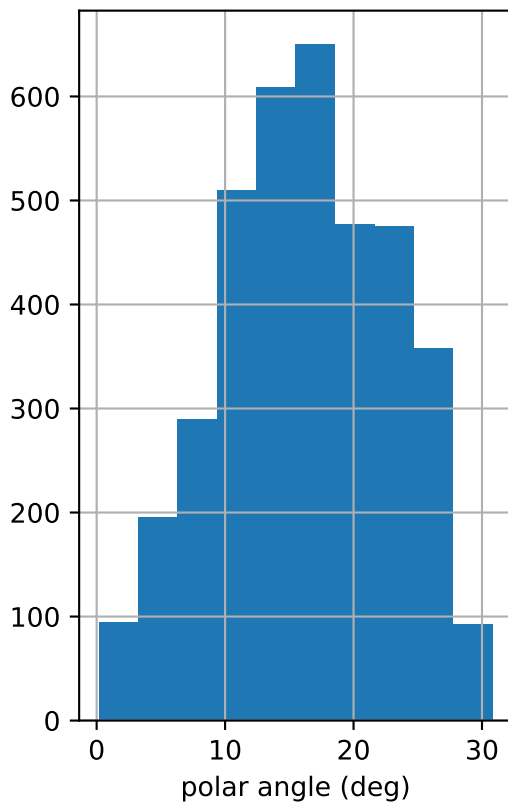
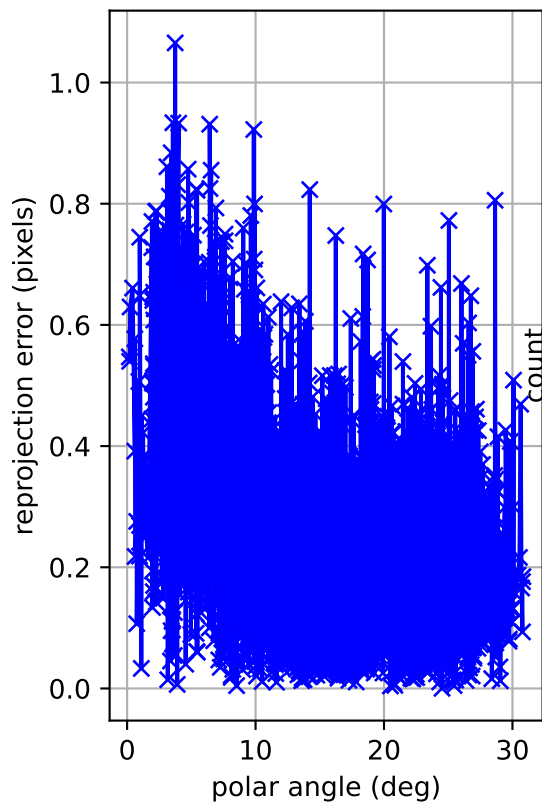
camera system



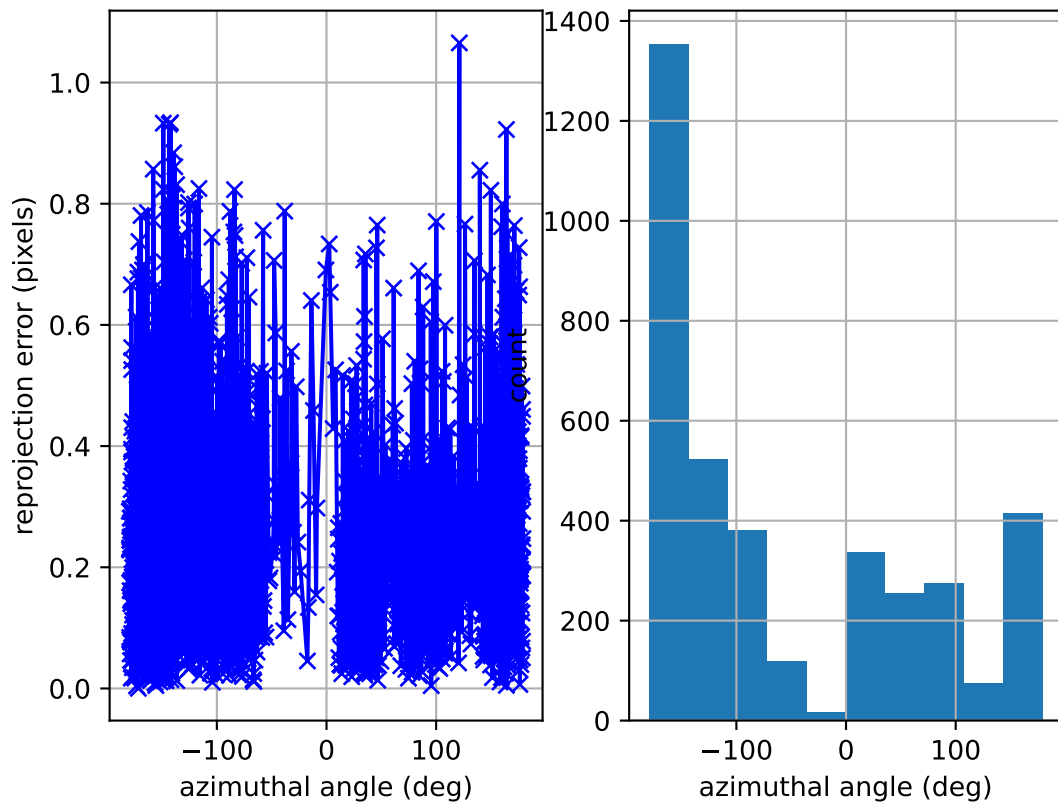
cam0: estimated poses



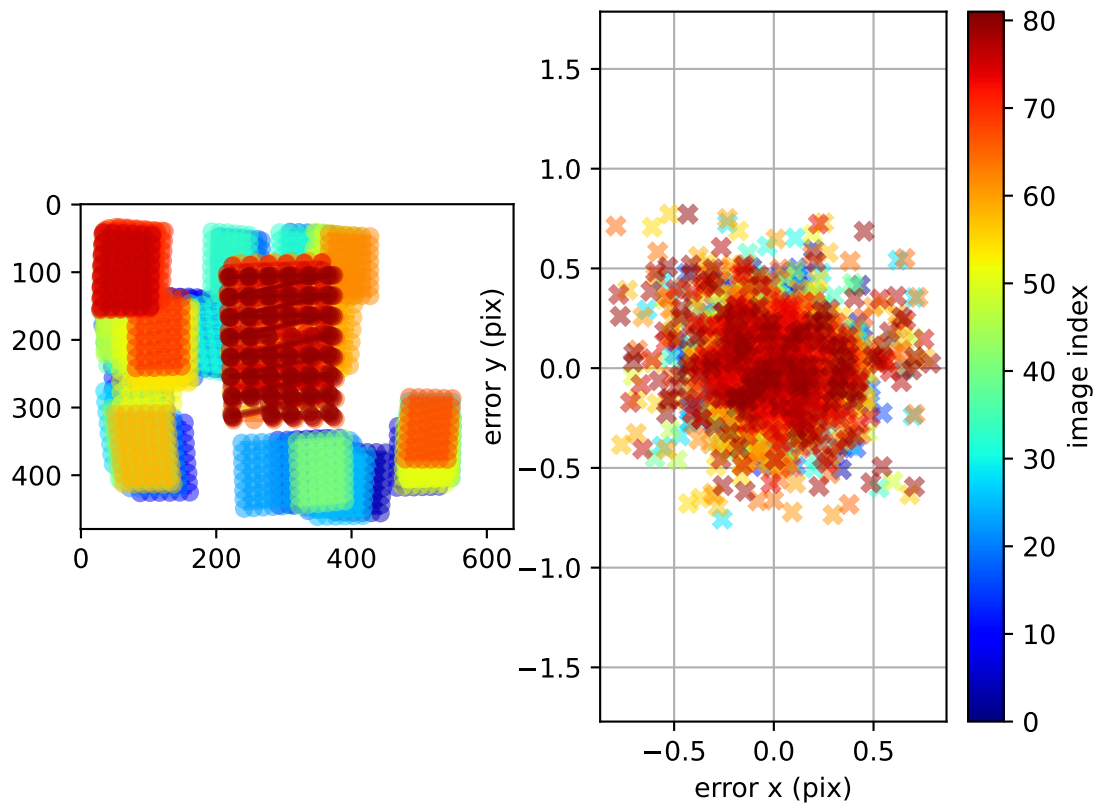
cam0: polar error



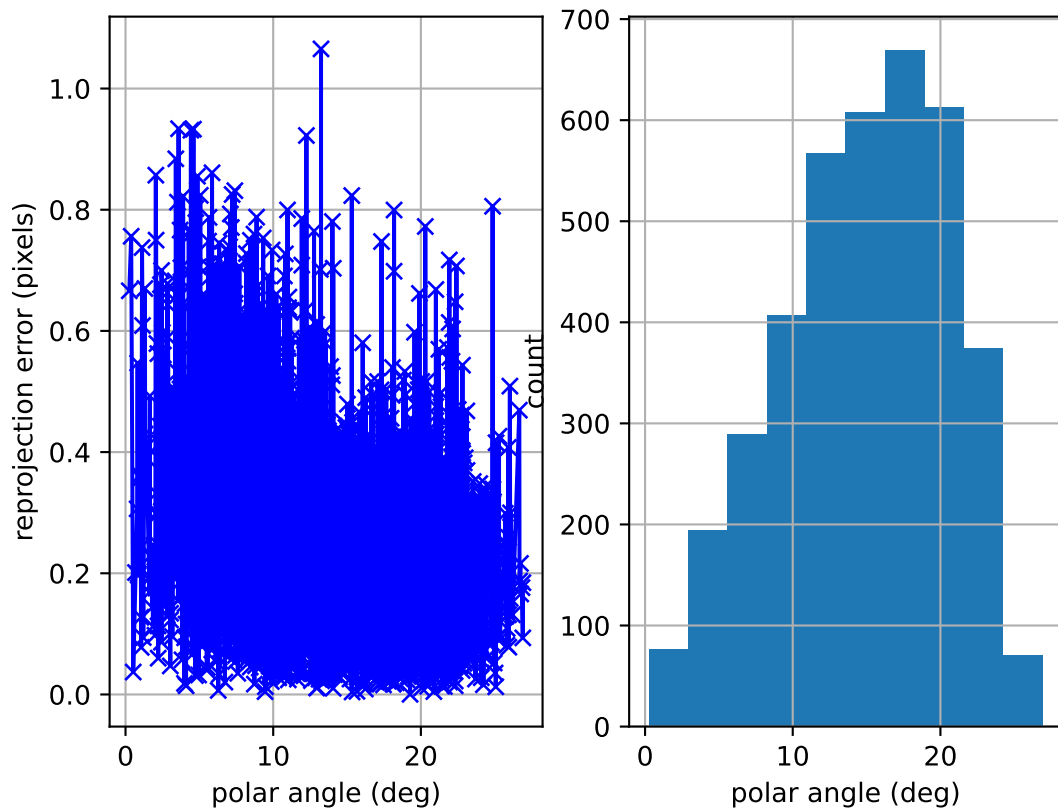
cam0: azimuthal error



cam0: reprojection errors

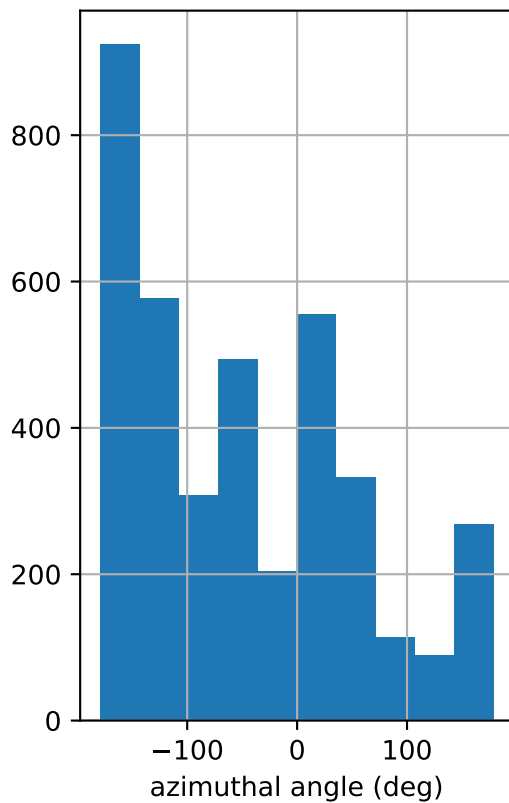
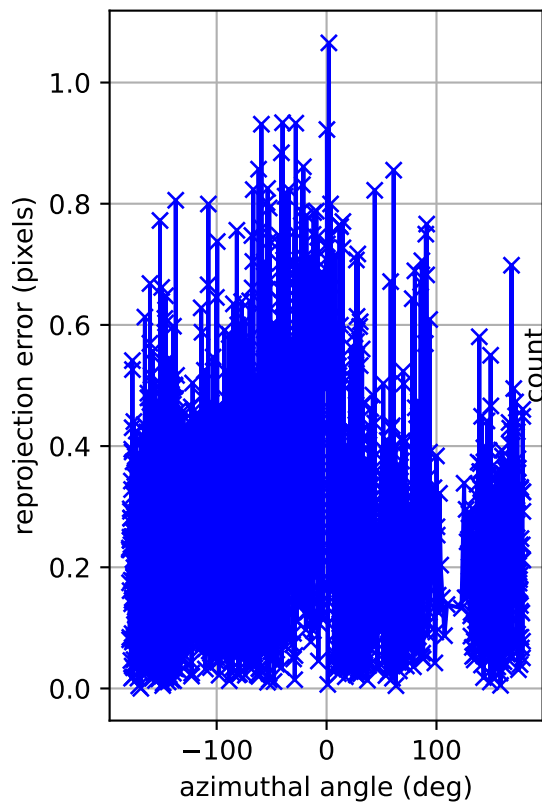


cam1: polar error

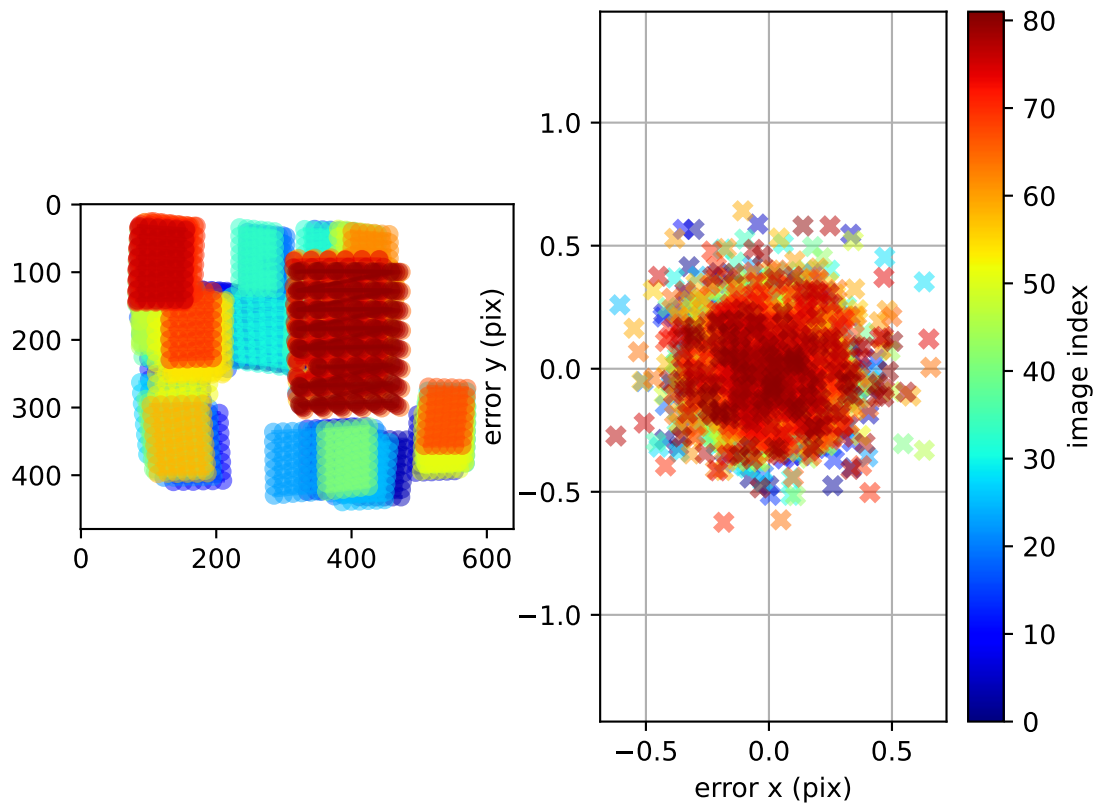




cam1: azimuthal error

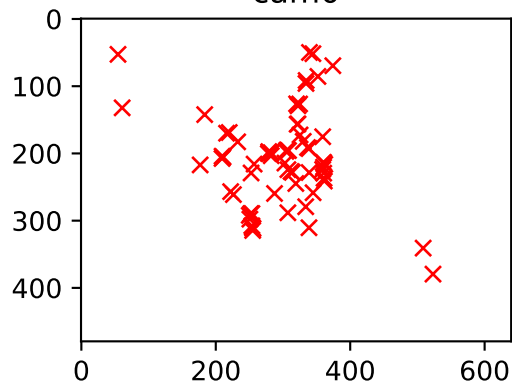


cam1: reprojection errors



# Location of removed outlier corners

cam0



cam1

