

Calibration results

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Camera-system parameters:

cam0 (/cam0/image_raw):

type: <class 'aslam_cv_python.DistortedOmniCameraGeometry'>

distortion: [-0.11604467 0.99060823 -0.00355041 -0.00245977] +- [0.01254061 0.06815057 0.00036956 0.00030727]

projection: [1.8975984 830.7004541 831.57961722 318.43467947 203.22992977] +- [0.00739497 0.15852858

0.15856735 0.27893772 0.16747936]

reprojection error: [-0.000010, -0.000030] +- [0.092958, 0.088022]

cam1 (/cam1/image_raw):

type: <class 'aslam_cv_python.DistortedOmniCameraGeometry'>

distortion: [-0.09993415 1.07248929 -0.0050298 -0.00353097] +- [0.01248385 0.06760352 0.00038653 0.00045953]

projection: [1.93776399 842.21024213 842.62127505 318.50383506 202.72239737] +- [0.00709989 0.16390335

0.16402982 0.27216172 0.17951131]

reprojection error: [-0.000002, -0.000028] +- [0.087217, 0.088679]

baseline T_1_0:

q: [-0.00248918 -0.00567402 -0.01239682 0.99990396] +- [0.00082561 0.00159461 0.00011408]

t: [-0.08058153 -0.00006604 0.00003606] +- [0.0002802 0.00022886 0.0005729]

Target configuration

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Type: aprilgrid

Tags:

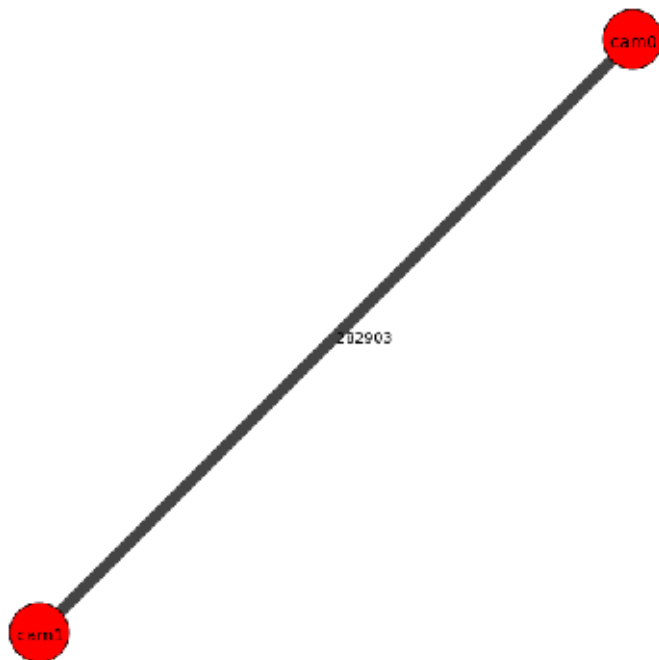
Rows: 6

Cols: 6

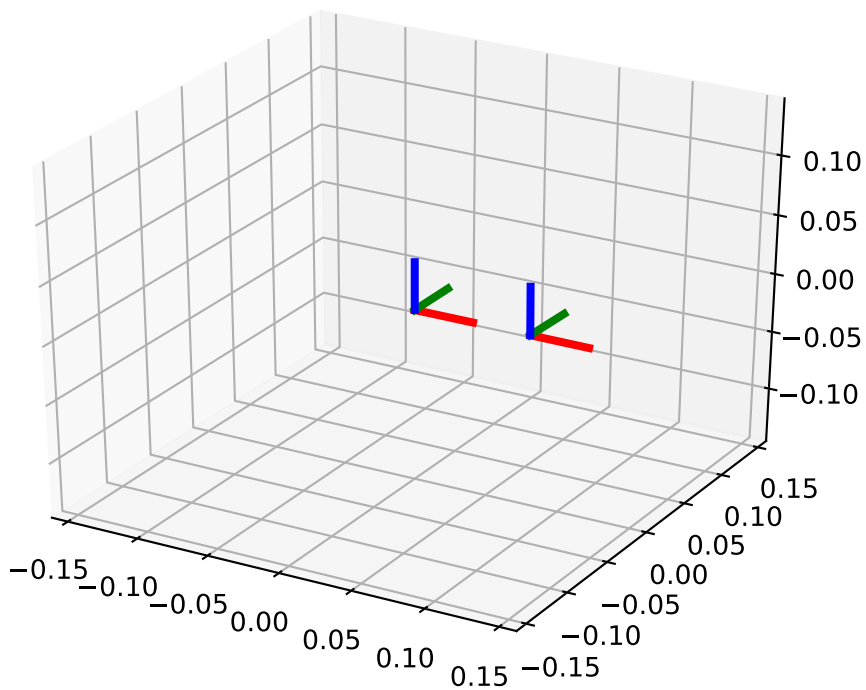
Size: 0.0312 [m]

Spacing 0.00959999976 [m]

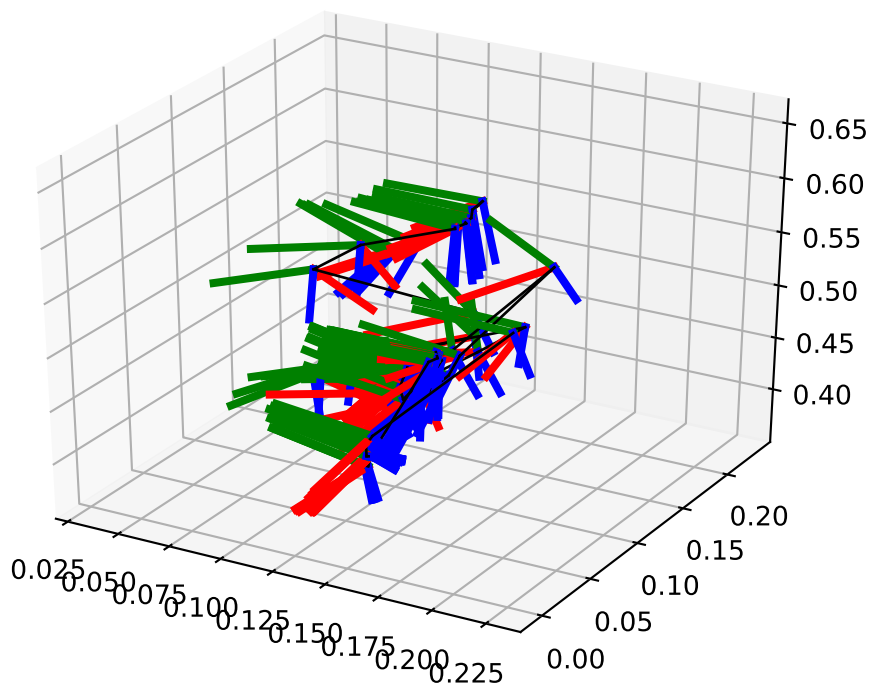
Inter-camera observations graph (edge weight=#mutual obs.)



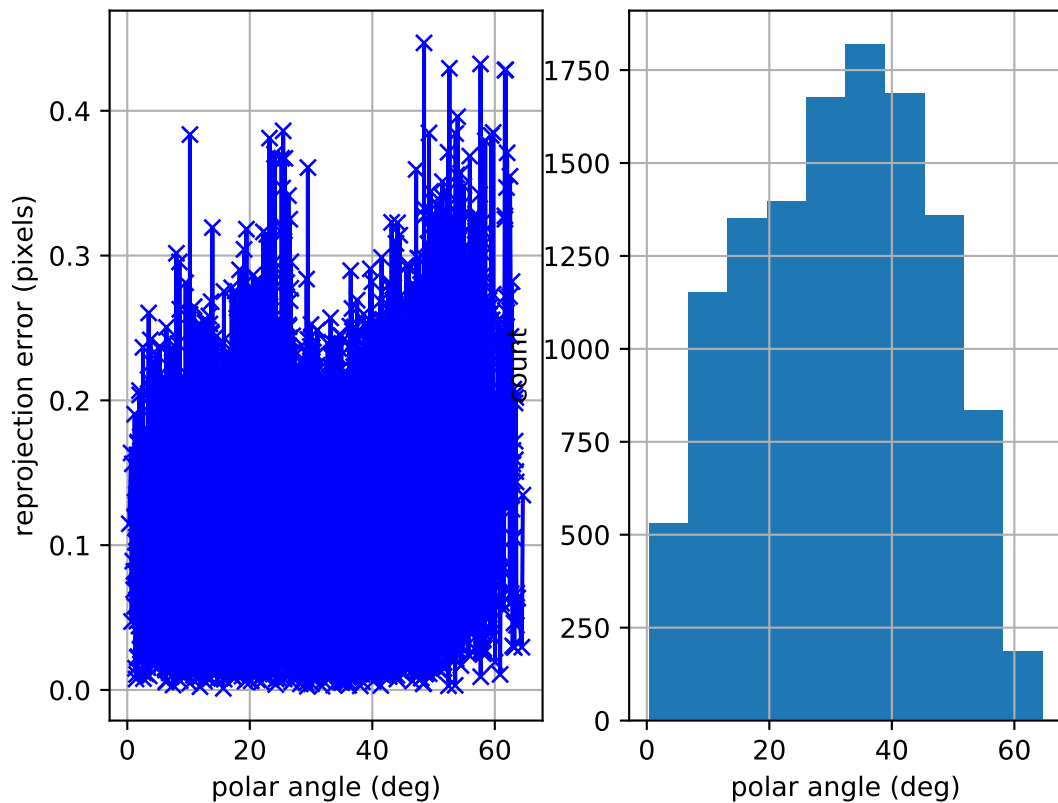
camera system



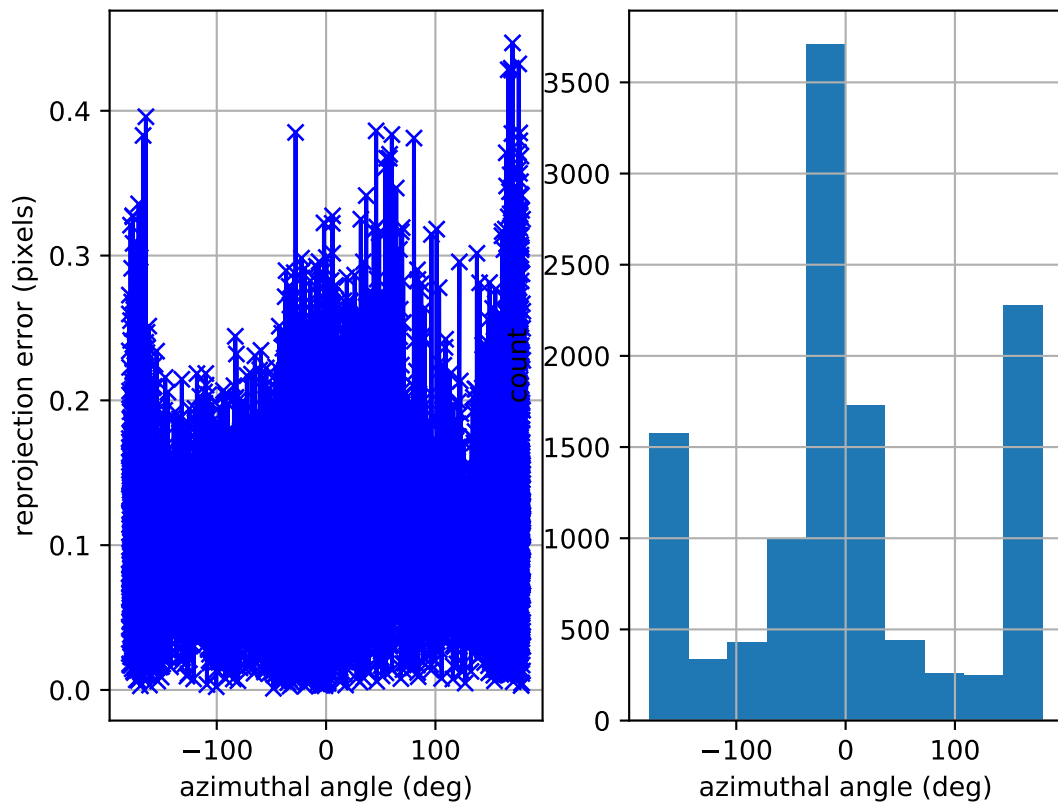
cam0: estimated poses



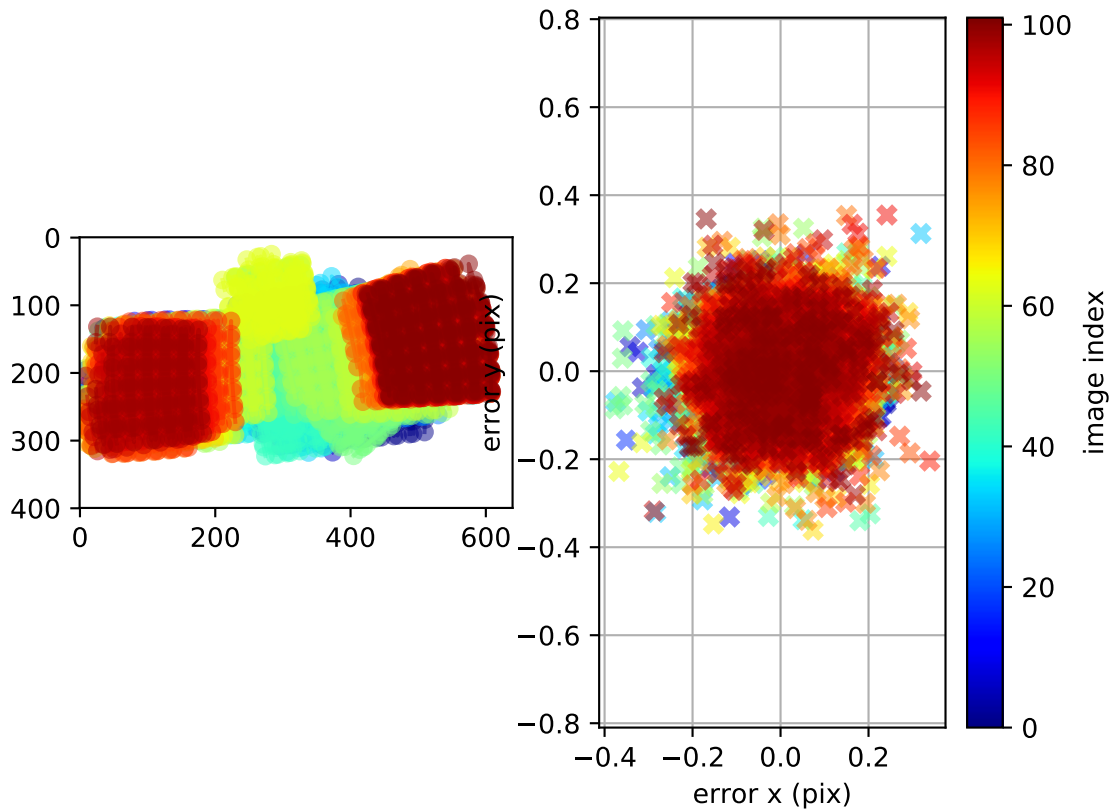
cam0: polar error



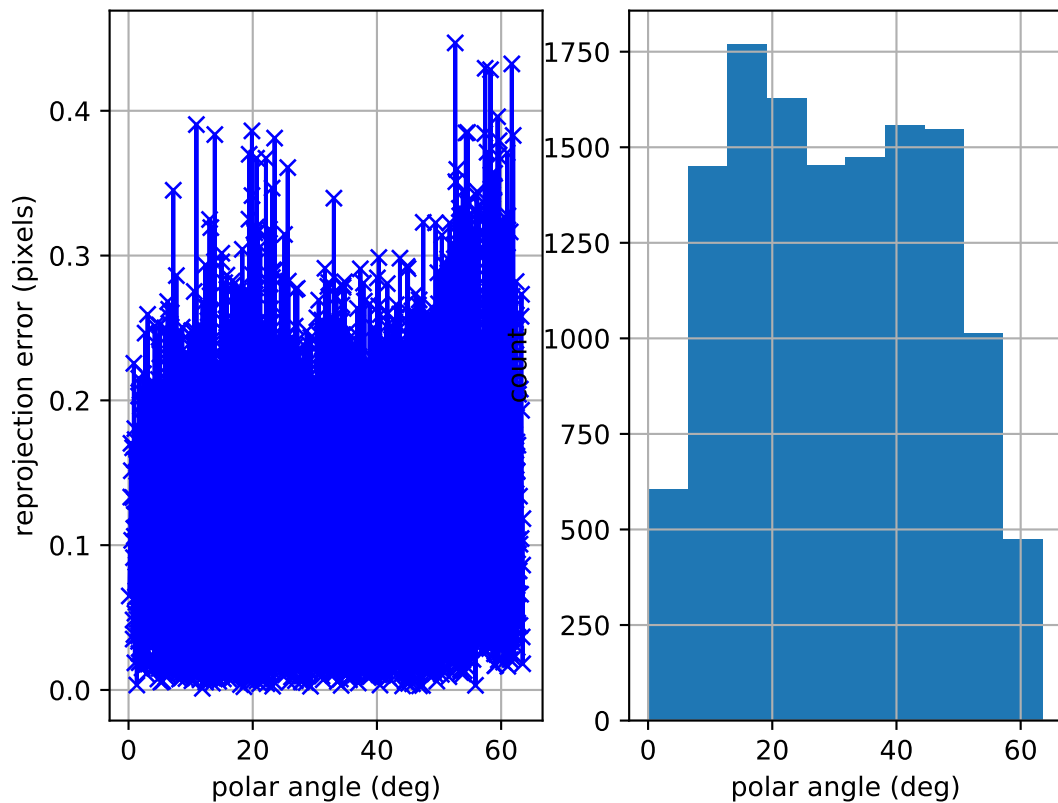
cam0: azimuthal error



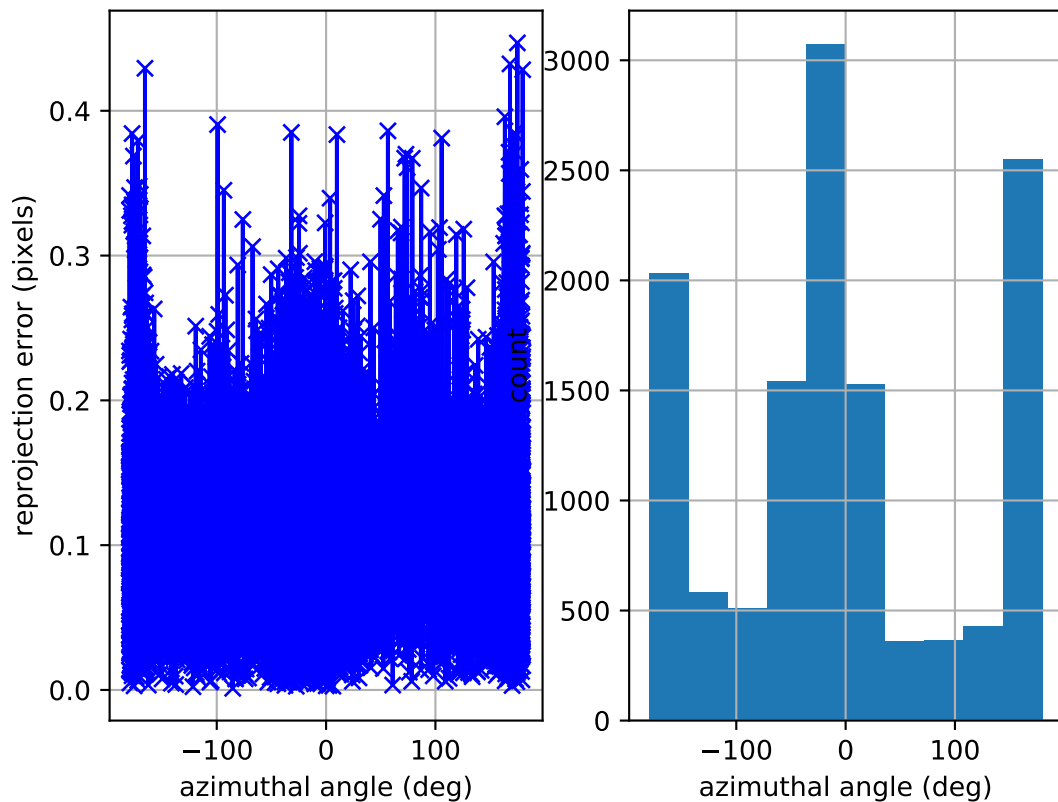
cam0: reprojection errors



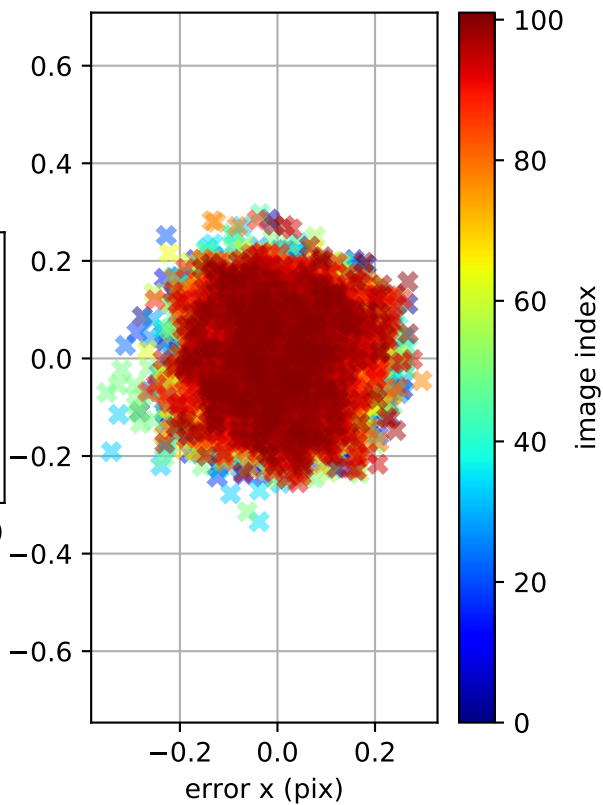
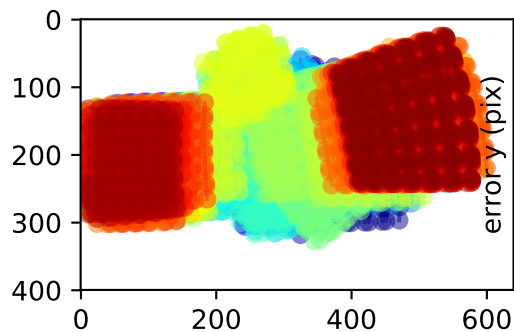
cam1: polar error



cam1: azimuthal error



cam1: reprojection errors



Location of removed outlier corners

