

Calibration results

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Camera-system parameters:

cam0 (/camera/camera/infra1/image_rect_raw):

type: <class 'aslam_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>

distortion: [0.03419681 0.02297372 0.00197395 0.00102166] +- [0.00174001 0.00247925 0.00032458 0.00037165]

projection: [382.16267863 380.87123084 327.20539971 241.25522356] +- [0.34073548 0.3518688 0.35928527 0.33479341]

reprojection error: [0.000019, -0.000000] +- [0.582762, 0.775282]

cam1 (/camera/camera/infra2/image_rect_raw):

type: <class 'aslam_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>

distortion: [0.03672014 -0.00187627 0.00259978 0.00148124] +- [0.00154122 0.00179887 0.00031942 0.00037917]

projection: [382.30970478 381.06337026 320.26750117 241.70101347] +- [0.34297283 0.35226845 0.38858593 0.35361654]

reprojection error: [-0.000020, 0.000000] +- [0.546491, 0.720413]

baseline T_1_0:

q: [-0.00122155 -0.00915646 -0.00039766 0.99995725] +- [0.00090117 0.00112832 0.00012984]

t: [-0.04985933 -0.00005484 0.00036374] +- [0.00002211 0.00002055 0.00006851]

Target configuration

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Type: aprilgrid

Tags:

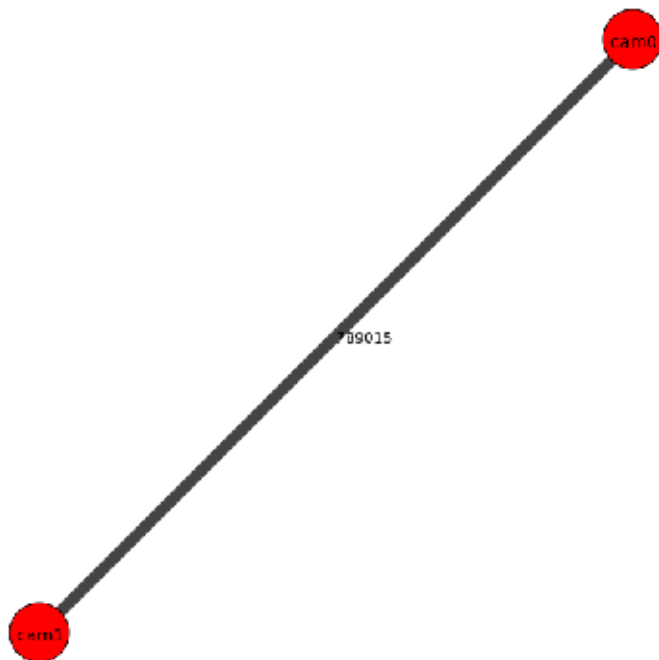
Rows: 6

Cols: 6

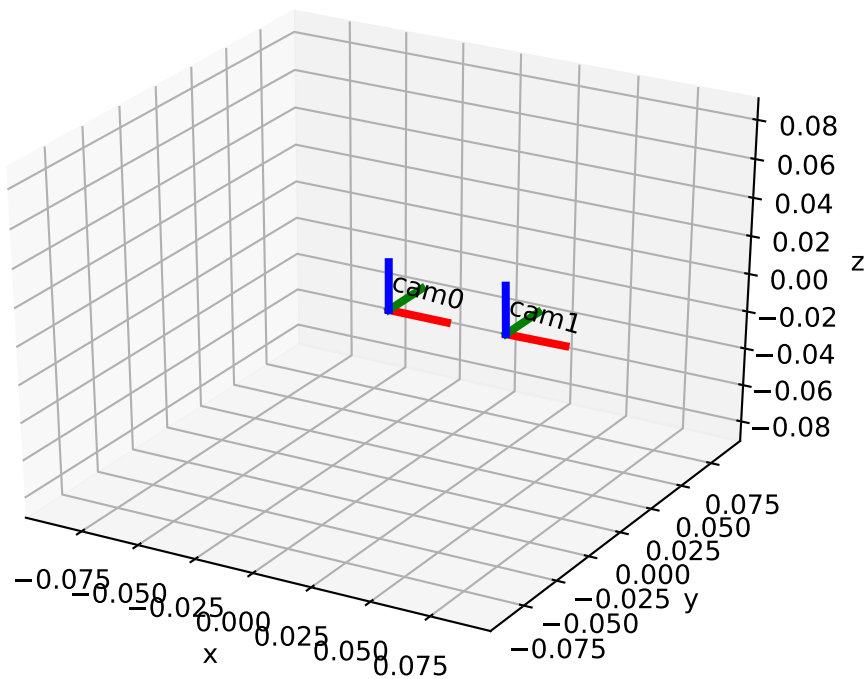
Size: 0.0205 [m]

Spacing 0.00630006 [m]

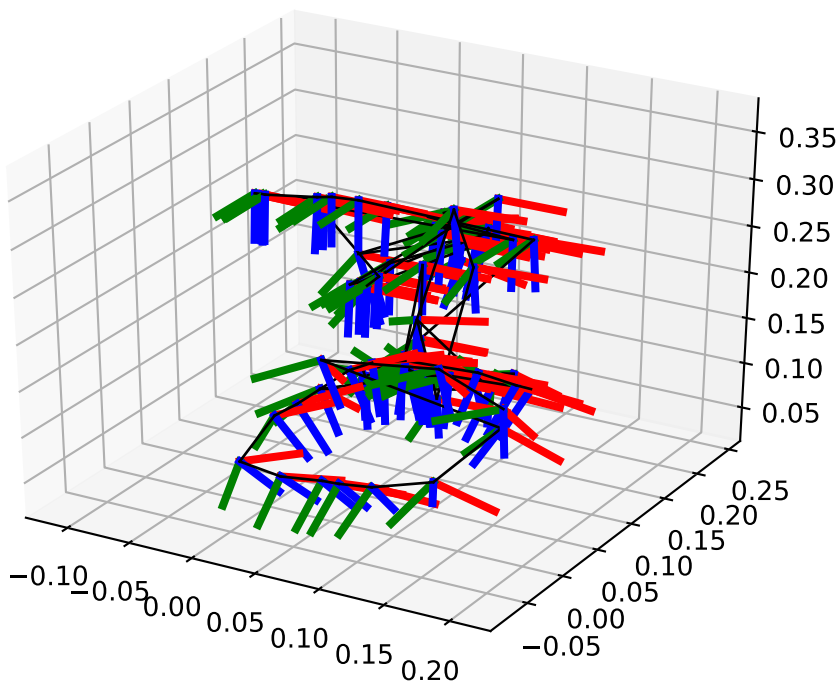
Inter-camera observations graph (edge weight=#mutual obs.)



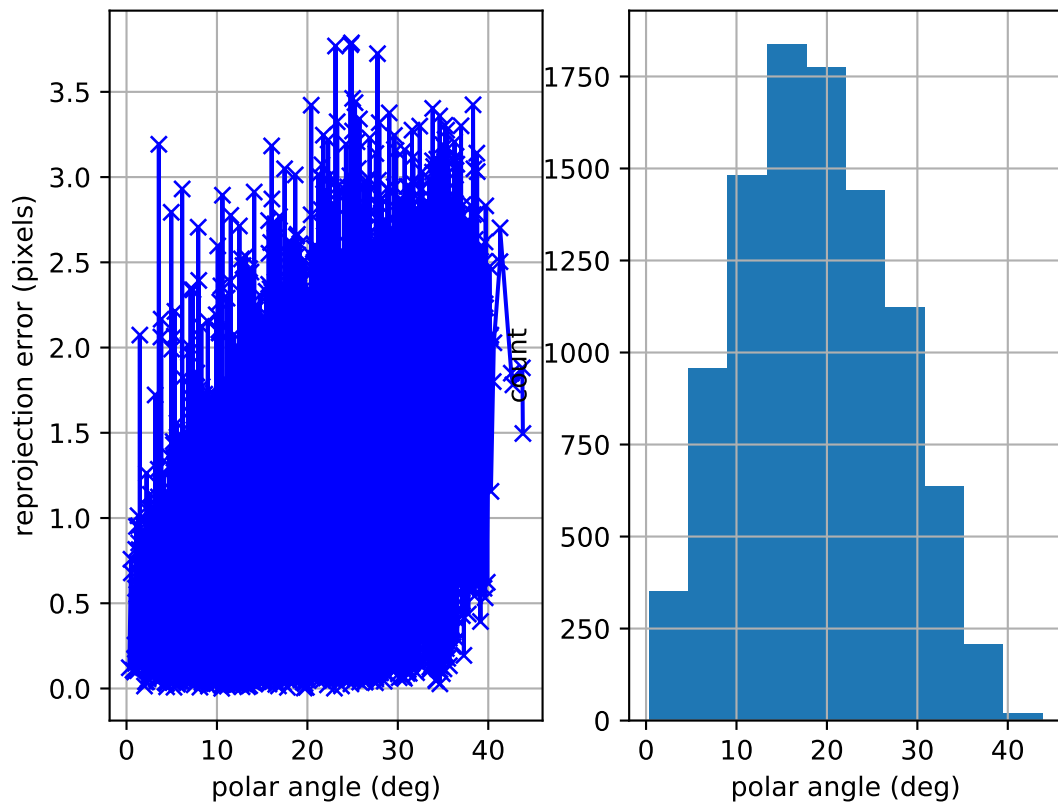
camera system



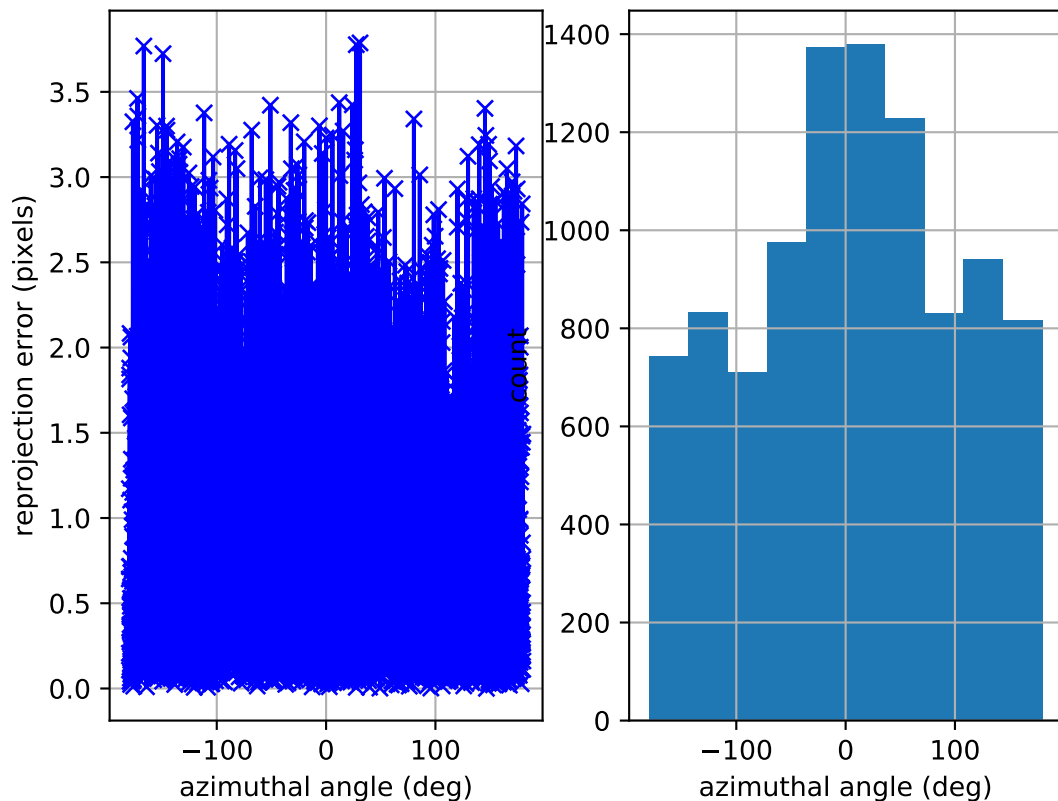
cam0: estimated poses



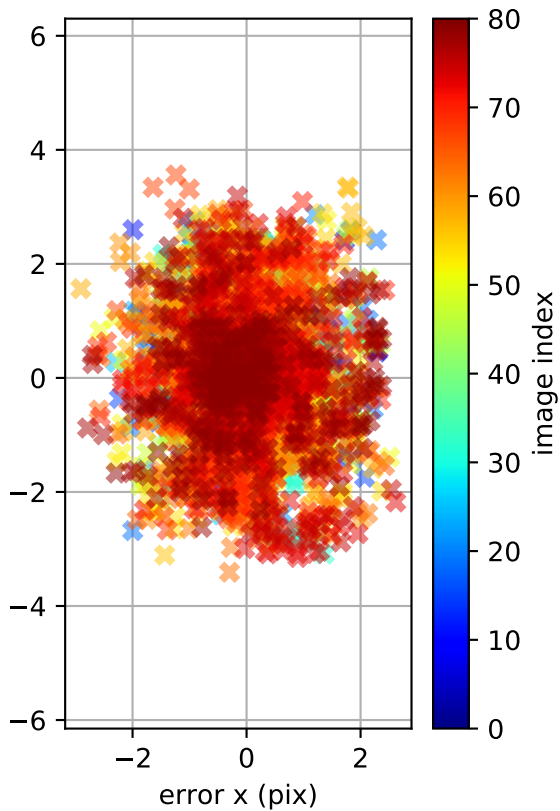
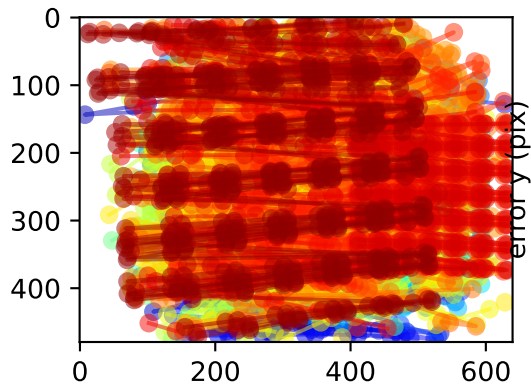
cam0: polar error



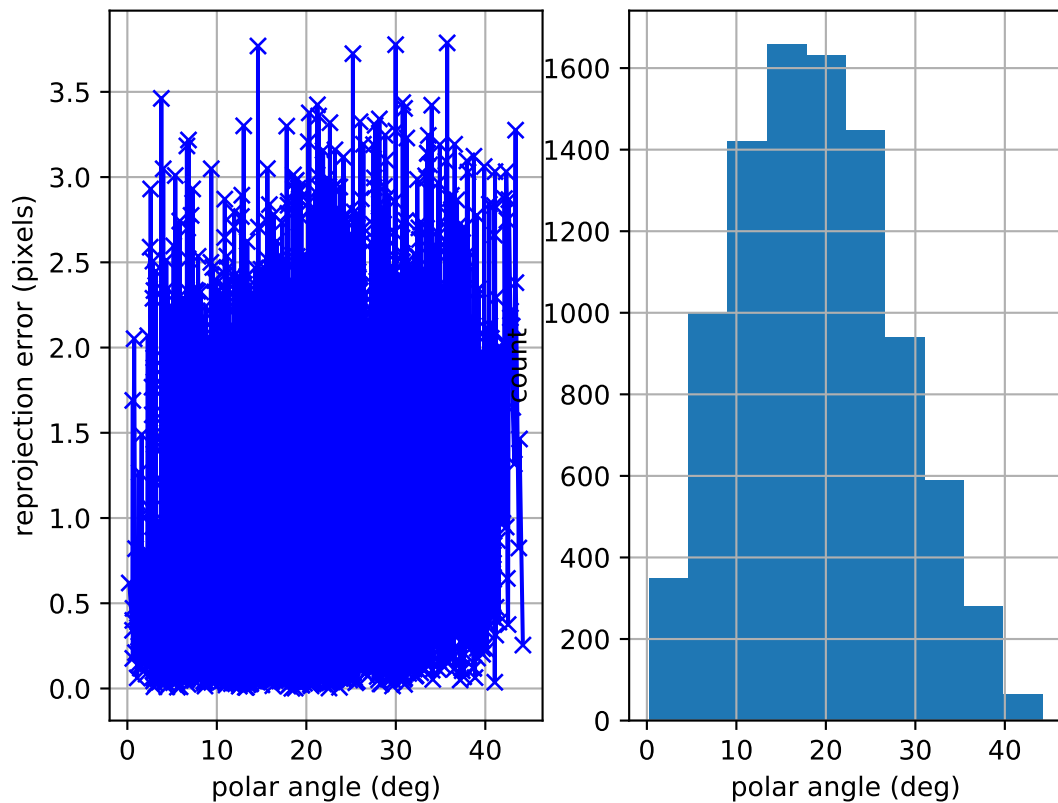
cam0: azimuthal error



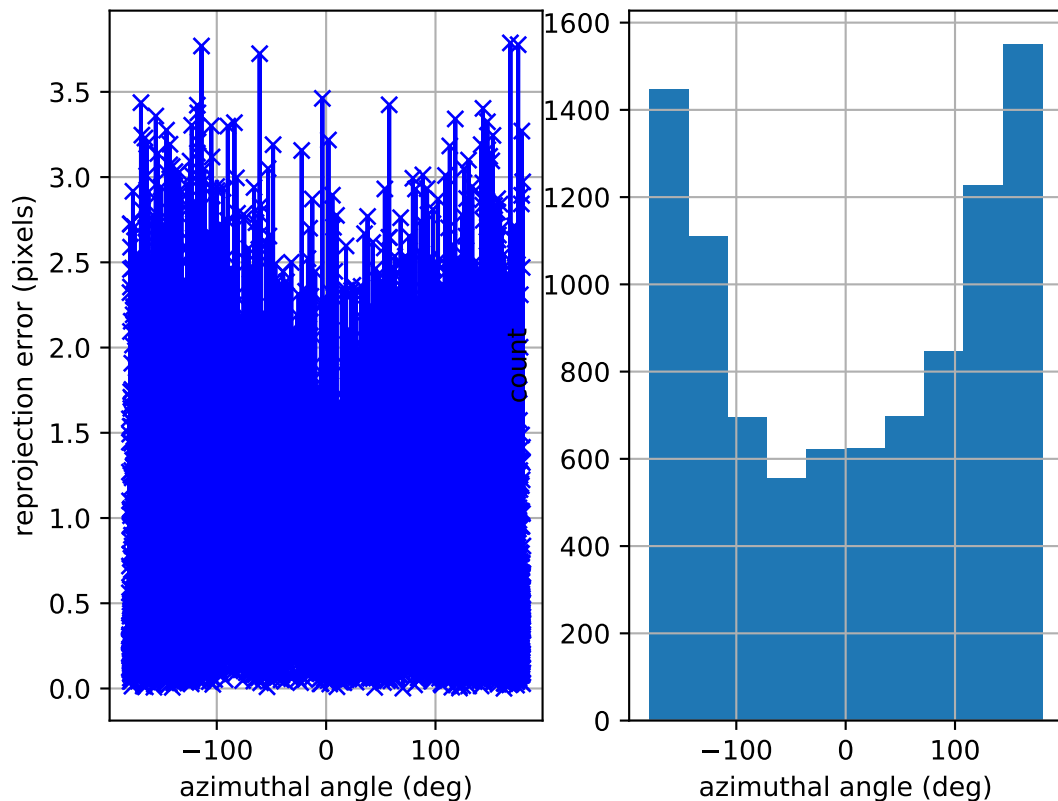
cam0: reprojection errors



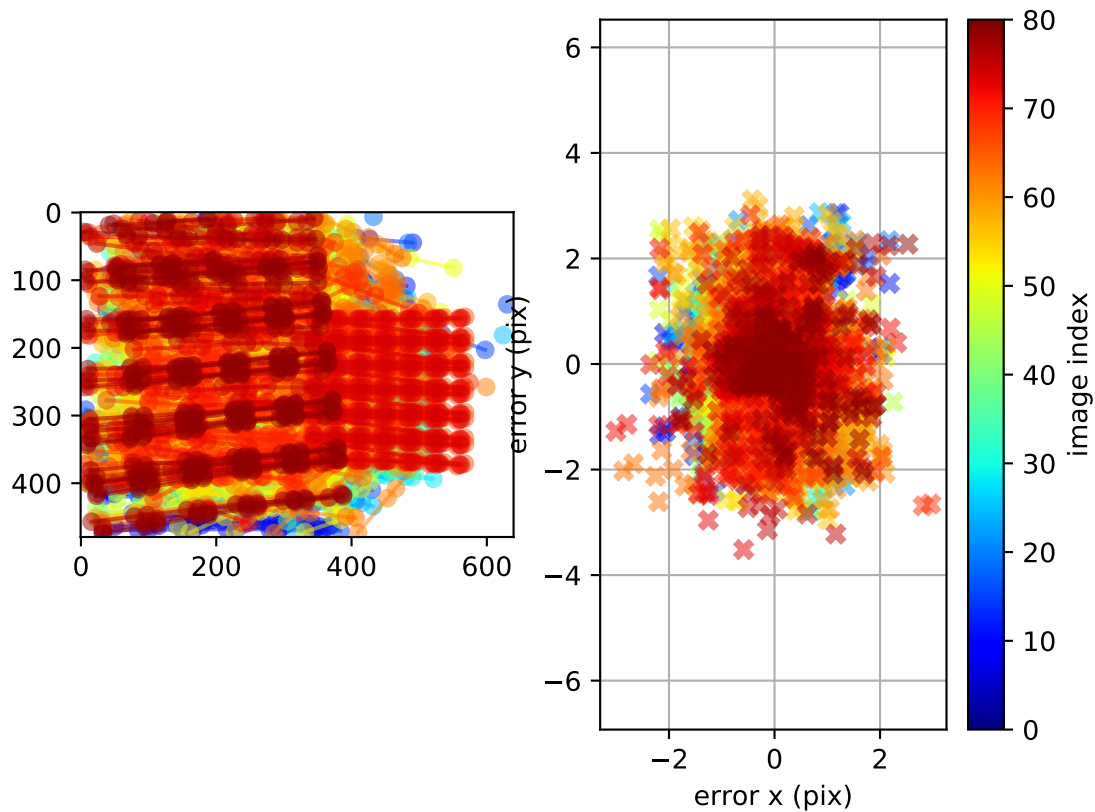
cam1: polar error



cam1: azimuthal error

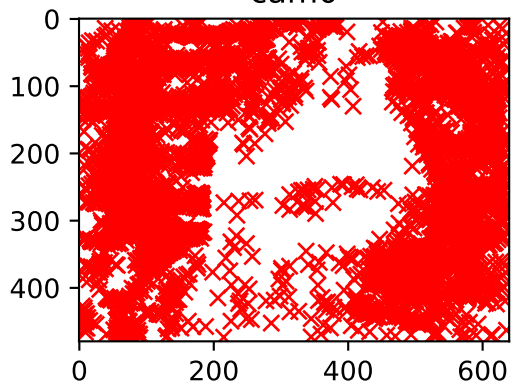


cam1: reprojection errors



Location of removed outlier corners

cam0



cam1

