Calibration results
====================
Camera-system parameters:
cam0 (/infra1_image_rect_raw):
type: <class 'aslam_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>
distortion: [0.01012176 -0.01020821 0.00056982 -0.00275219] +- [0.00305286 0.00390493 0.00038243 0.00044694]
projection: [385.10485413 386.14936372 316.01895268 233.8271021] +- [0.31481266 0.31853171 0.42661476 0.29810795]
reprojection error: [0.000014, 0.000006] +- [0.118334, 0.130569]

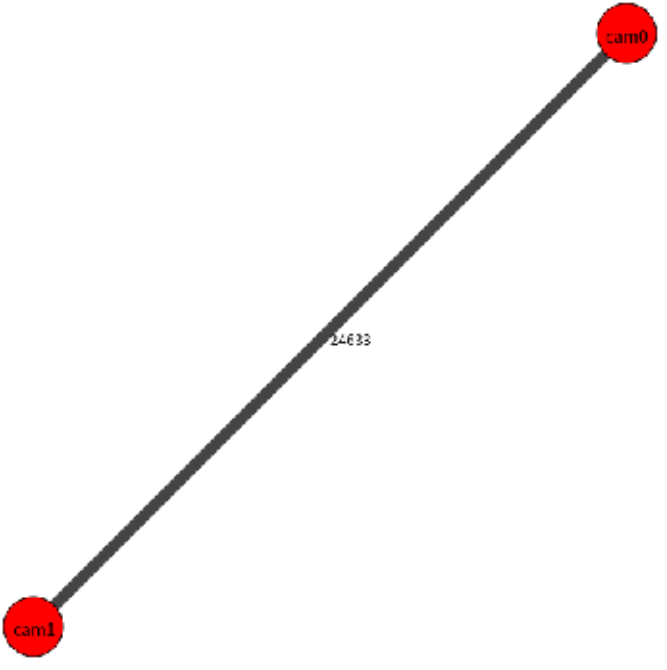
cam1 (/infra2_image_rect_raw):
type: <class 'aslam_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>
distortion: [0.00654418 -0.00539416 0.00066636 -0.00319849] +- [0.00286716 0.00357714 0.00037639 0.00045158]
projection: [385.70371566 386.77204607 315.60963352 235.30149774] +- [0.30763379 0.32163451 0.43397001 0.2965442]
reprojection error: [0.000018, 0.000006] +- [0.115220, 0.132337]

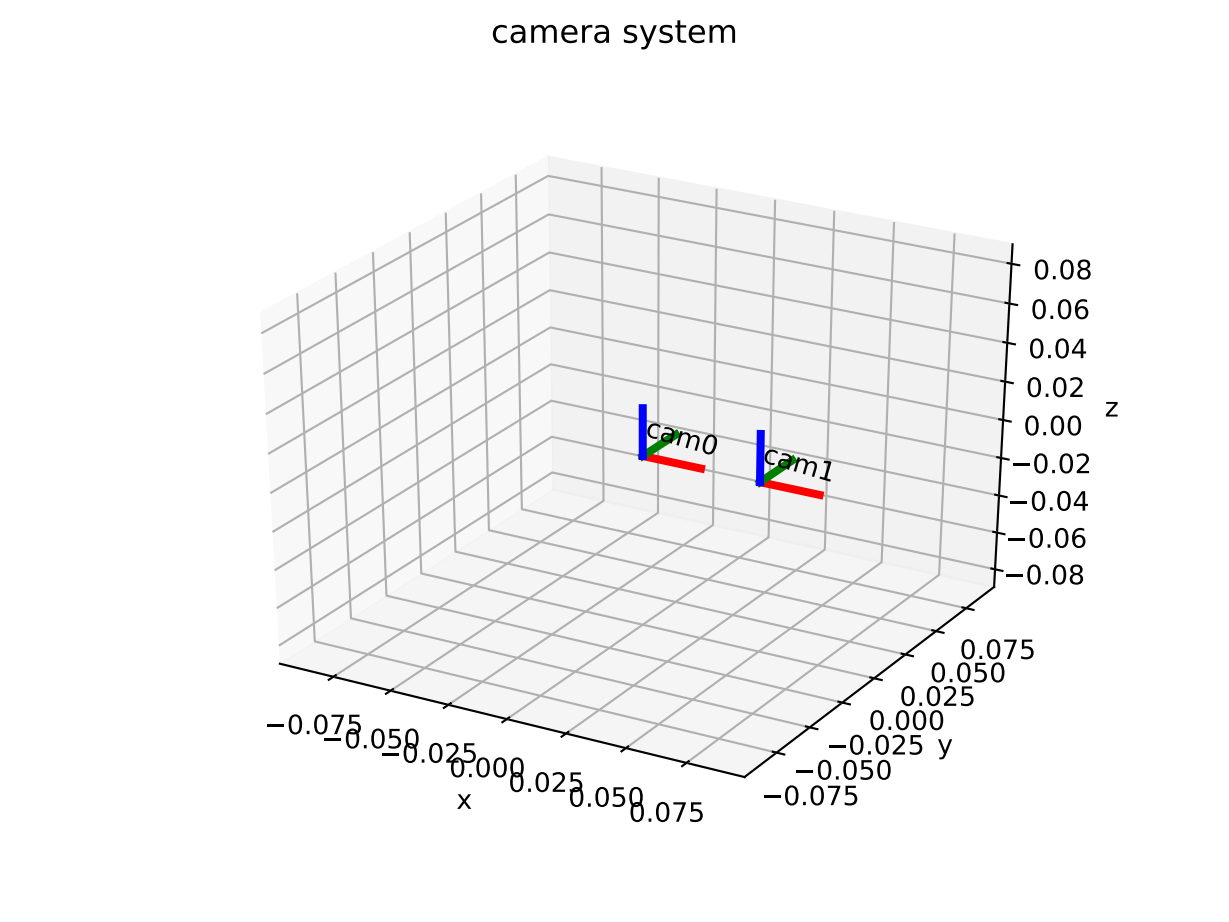
baseline T_1_0:
q: [-0.0003317 -0.00104493 0.00006035 0.9999994] +- [0.00135689 0.00216956 0.00022717]
t: [-0.04920596 -0.00012551 0.00065151] +- [0.00016352 0.00017619 0.00057603]

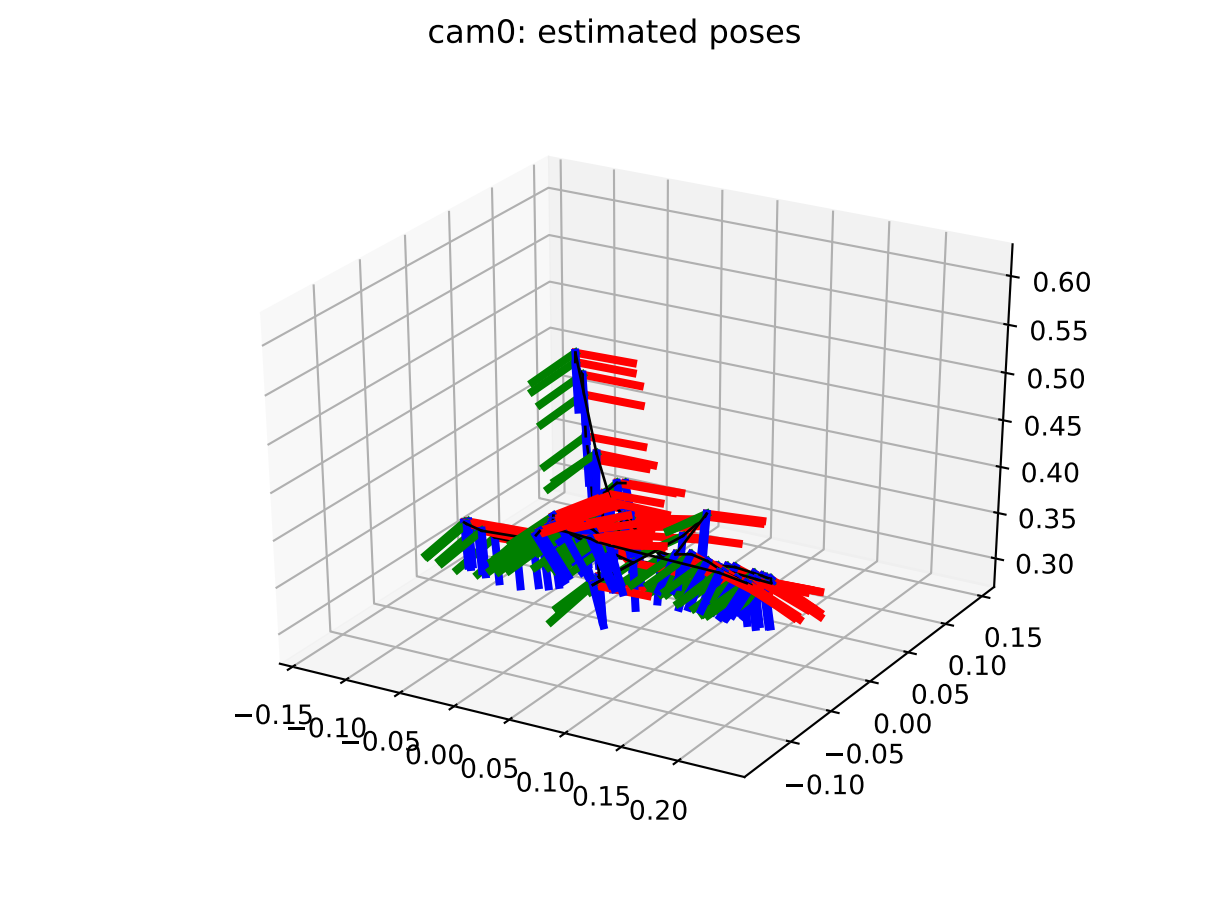
Target configuration
====================

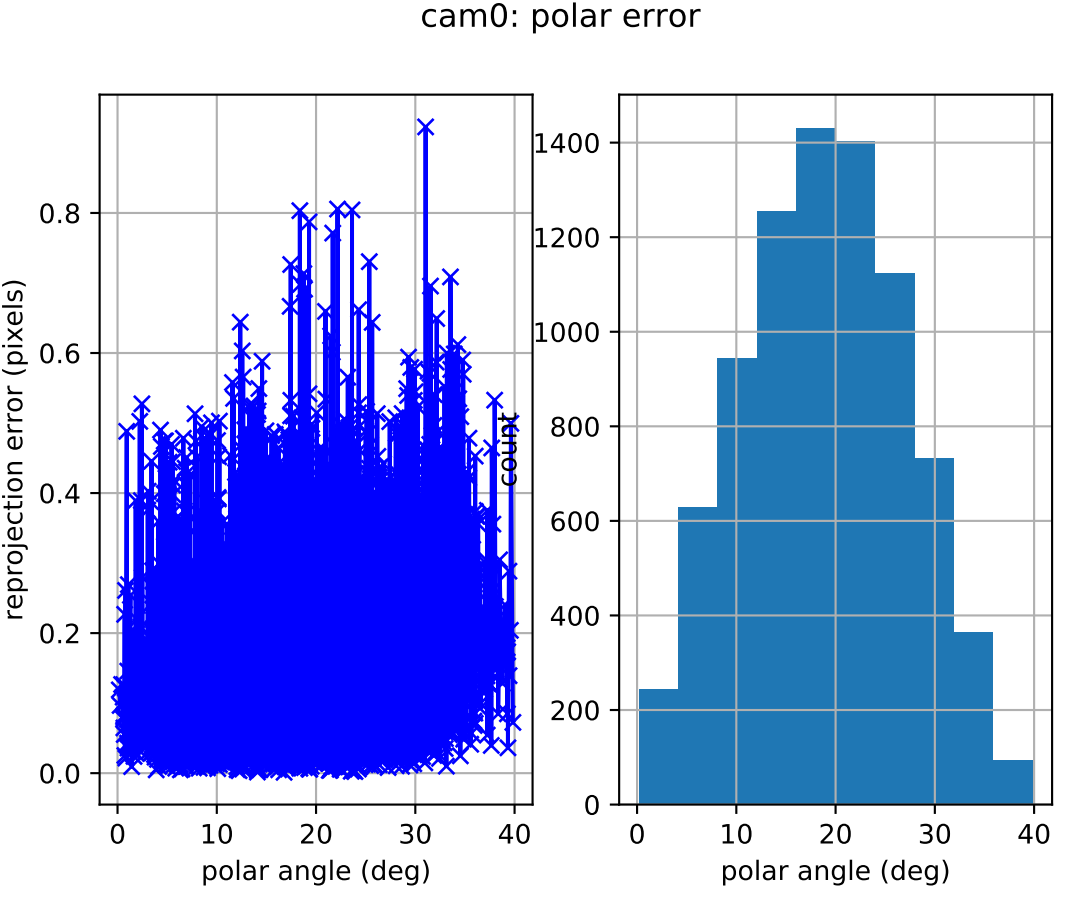
Type: aprilgrid
Tags:
Rows: 5
Cols: 5
Size: 0.03 [m]
Spacing 0.006 [m]

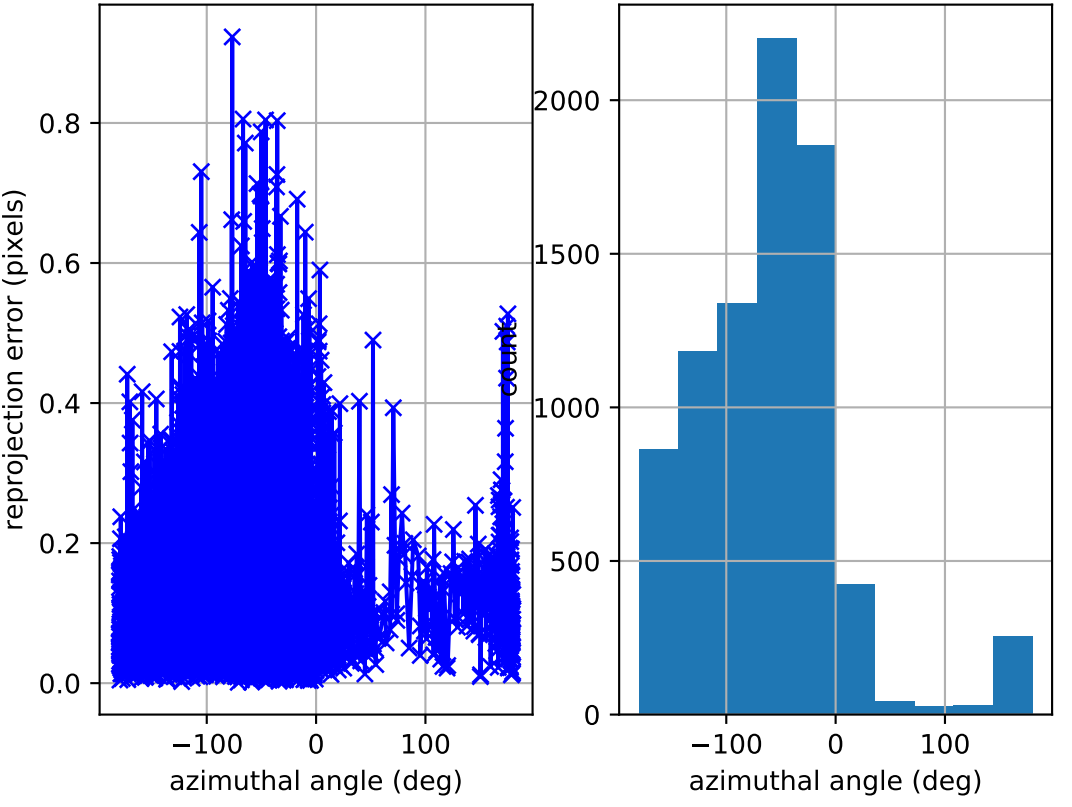
Inter-camera observations graph (edge weight=#mutual obs.)

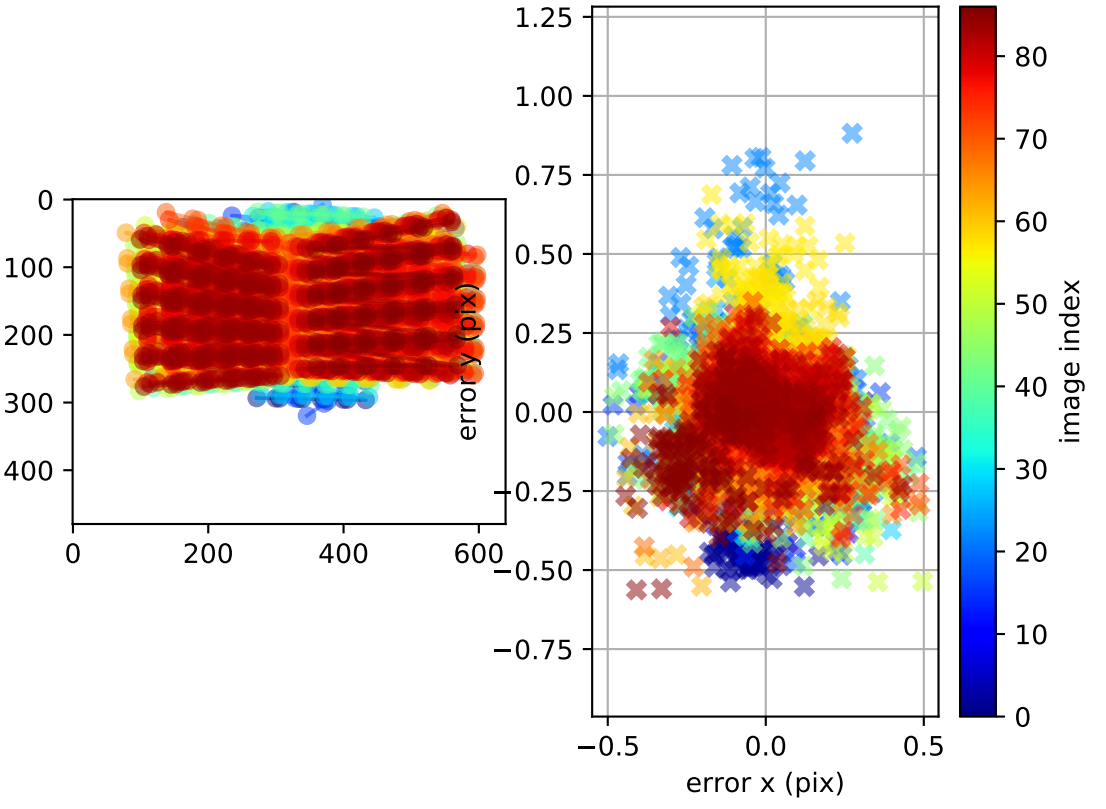


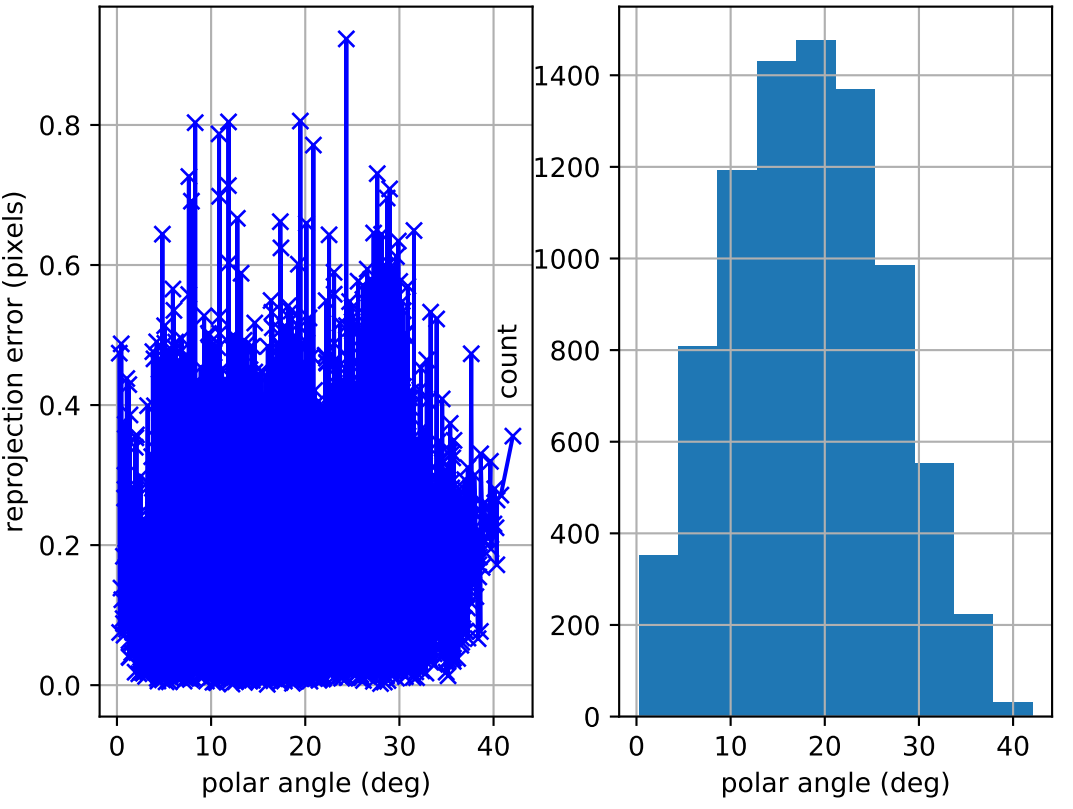

camera system
cam0
cam1
x
y
z
−0.075
−0.050
−0.025
0.000
0.025
0.050
0.075
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08

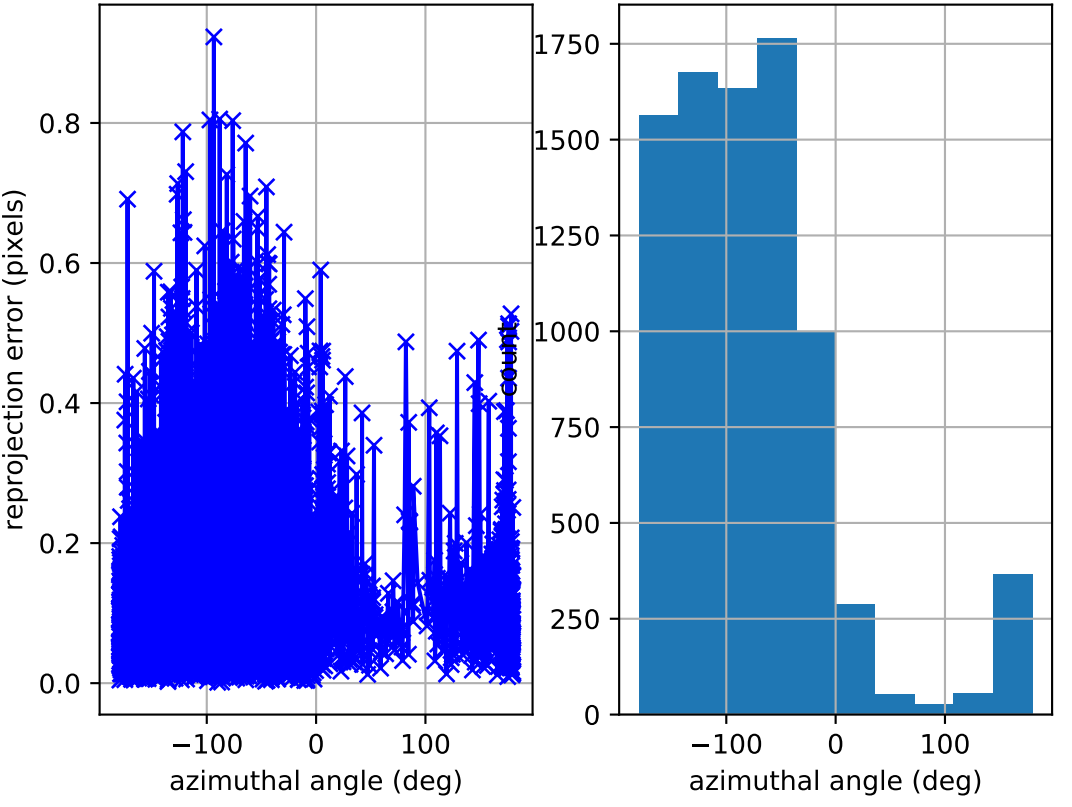

cam0: estimated poses
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.10
−0.05
0.00
0.05
0.10
0.15
0.20

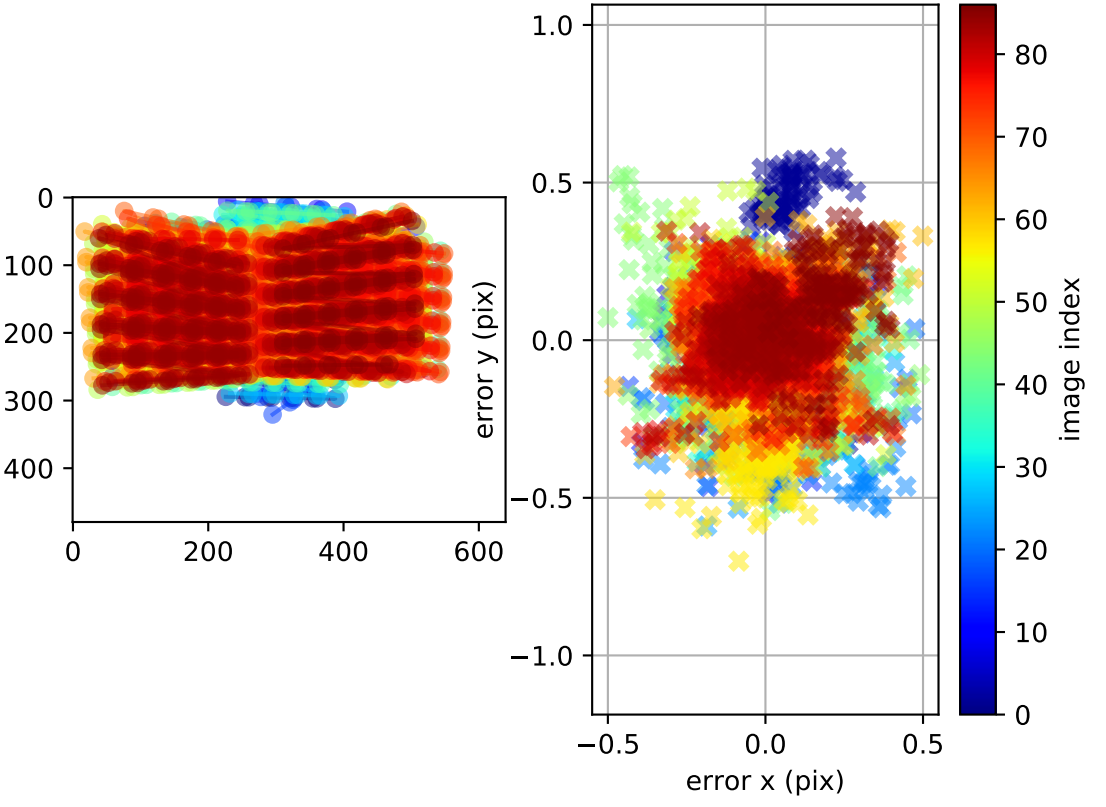

cam0: polar error
reprojection error (pixels)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
40
polar angle (deg)
count
0
200
400
600
800
1000
1200
1400
0
10
20
30
40
polar angle (deg)

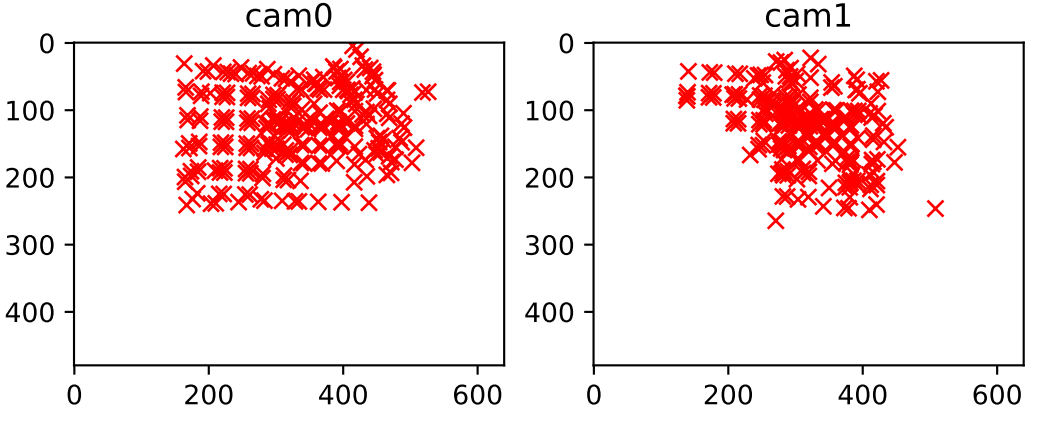

cam0: azimuthal error
reprojection error (pixels)
0.0
0.2
0.4
0.6
0.8
−100
0
100
azimuthal angle (deg)
count
0
500
1000
1500
2000
−100
0
100
azimuthal angle (deg)


cam0: reprojection errors
0
100
200
300
400
0
200
400
600
error y (pix)
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−0.5
0.0
0.5
error x (pix)
80
70
60
50
40
30
20
10
0
image index


cam1: polar error
reprojection error (pixels)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
40
polar angle (deg)
count
0
200
400
600
800
1000
1200
1400
0
10
20
30
40
polar angle (deg)


cam1: azimuthal error
reprojection error (pixels)
0.0
0.2
0.4
0.6
0.8
−100
0
100
azimuthal angle (deg)
count
0
250
500
750
1000
1250
1500
1750
−100
0
100
azimuthal angle (deg)


cam1: reprojection errors
0
100
200
300
400
0
200
400
600
error y (pix)
1.0
0.5
0.0
−0.5
−1.0
−0.5
0.0
0.5
error x (pix)
80
70
60
50
40
30
20
10
0
image index


Location of removed outlier corners
cam0
cam1
0
100
200
300
400
0
200
400
600