Calibration results
====================
Camera-system parameters:
cam0 (/cam0/image_raw):
type: <class 'aslam_cv.libaslam_cv_python.DistortedOmniCameraGeometry'>
distortion: [-0.26467297 0.42450689 -0.00374997 -0.00221918] +- [0.0289715   0.0649632   0.00095551 0.00041862]
projection: [1.51041553 726.45597004 728.20660628 317.41052204 202.99670218] +- [0.0157226   0.07994403 0.07980508 0.21949402 0.5179586]
reprojection error: [-0.000001, -0.000001] +- [0.121268, 0.110866]

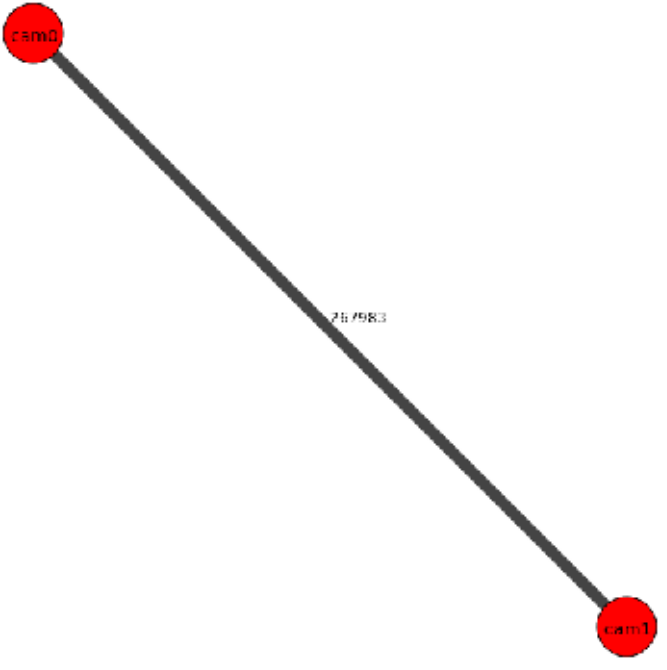
cam1 (/cam1/image_raw):
type: <class 'aslam_cv.libaslam_cv_python.DistortedOmniCameraGeometry'>
distortion: [-0.21708567 0.52933471 -0.00534804 -0.00319179] +- [0.03267252 0.06844767 0.00104888 0.00050826]
projection: [1.65993378 769.96227826 771.53411792 317.33419977 202.59006938] +- [0.01684424 0.08462409 0.08447148 0.23225722 0.52810779]
reprojection error: [-0.000000, -0.000001] +- [0.125443, 0.108979]

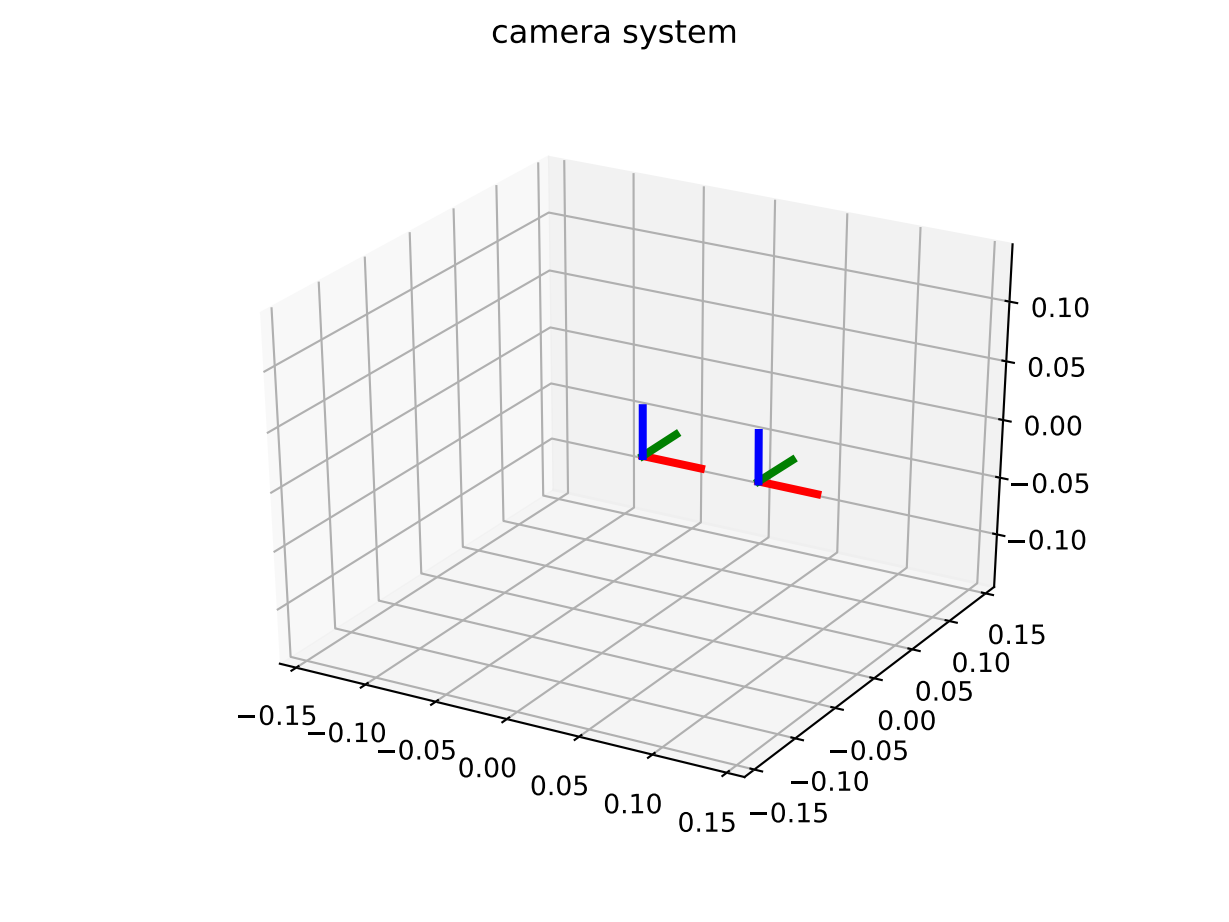
baseline T_1_0:
q: [-0.00243368 -0.00627697 -0.0123337   0.99990127] +- [0.00064509 0.00106336 0.00014191]
t: [-0.08071017 -0.00030413 0.00045288] +- [0.00015573 0.00013521 0.00034903]

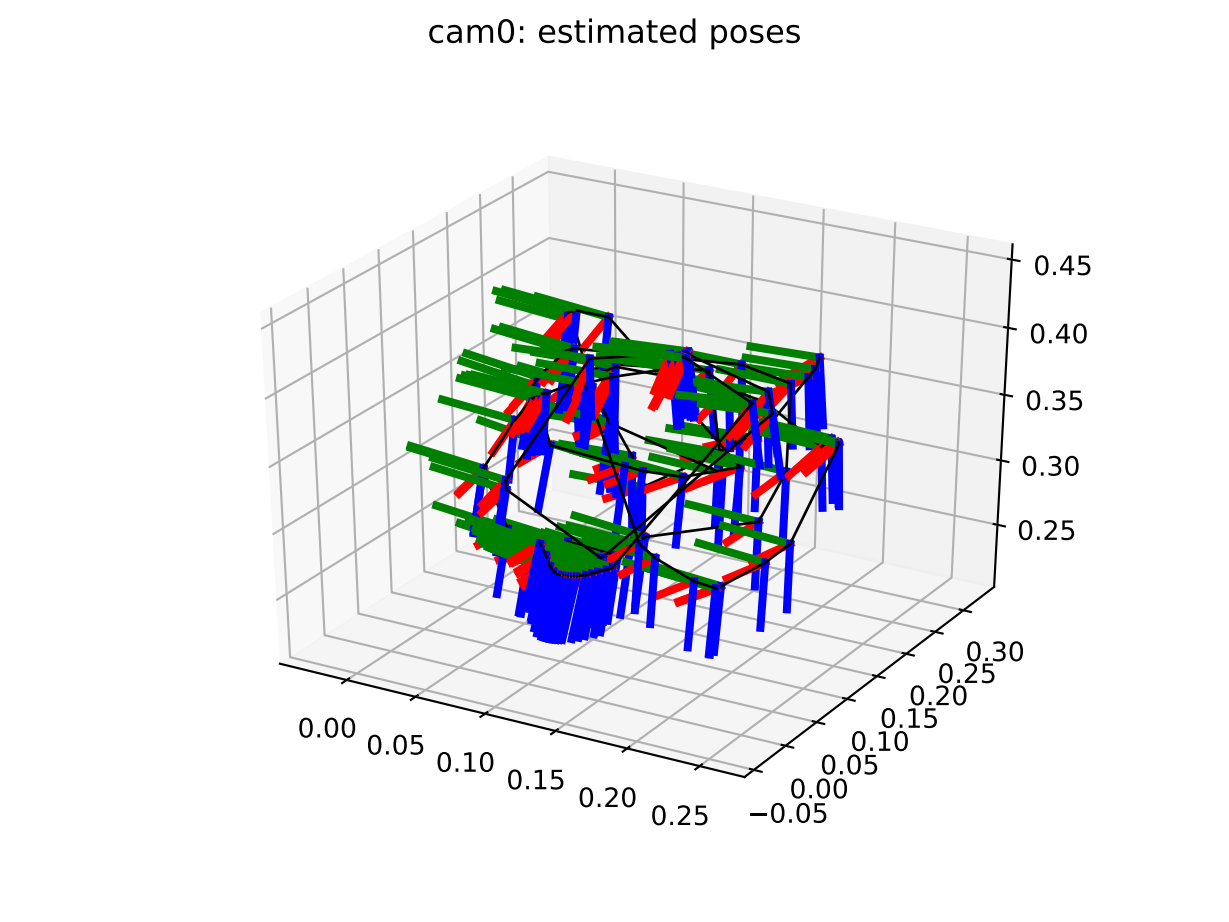
Target configuration
====================

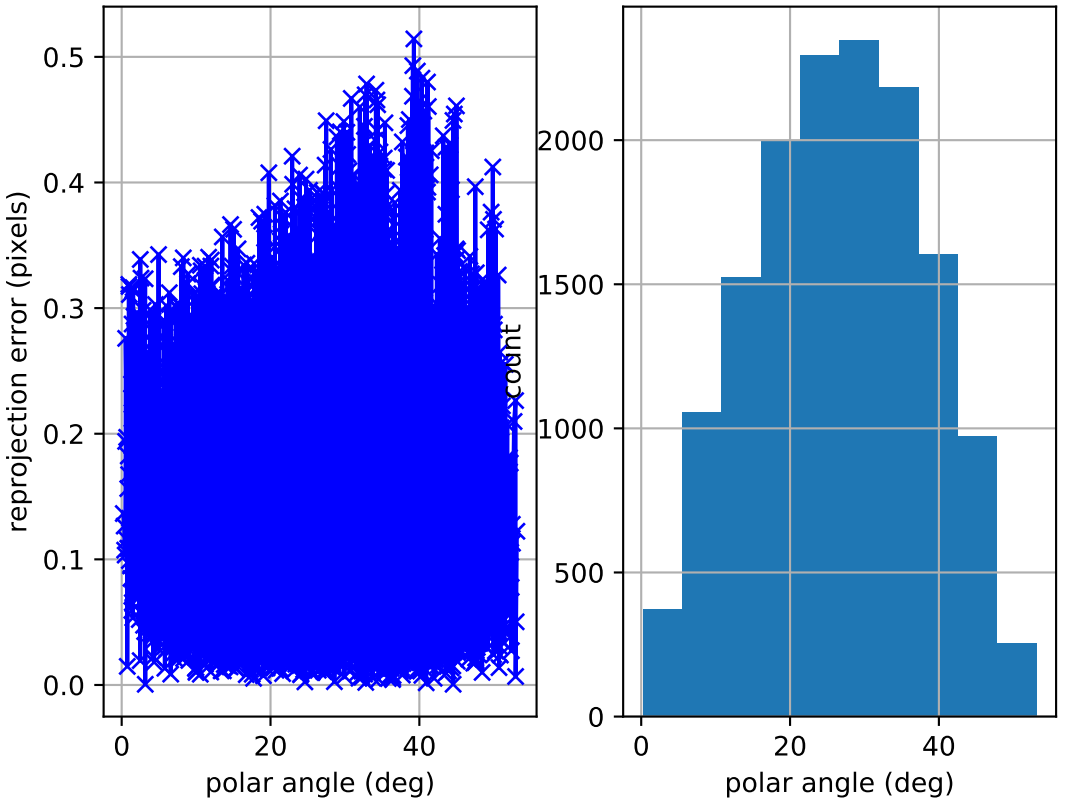
Type: aprilgrid
Tags:
Rows: 6
Cols: 6
Size: 0.0312 [m]
Spacing 0.00959999976 [m]

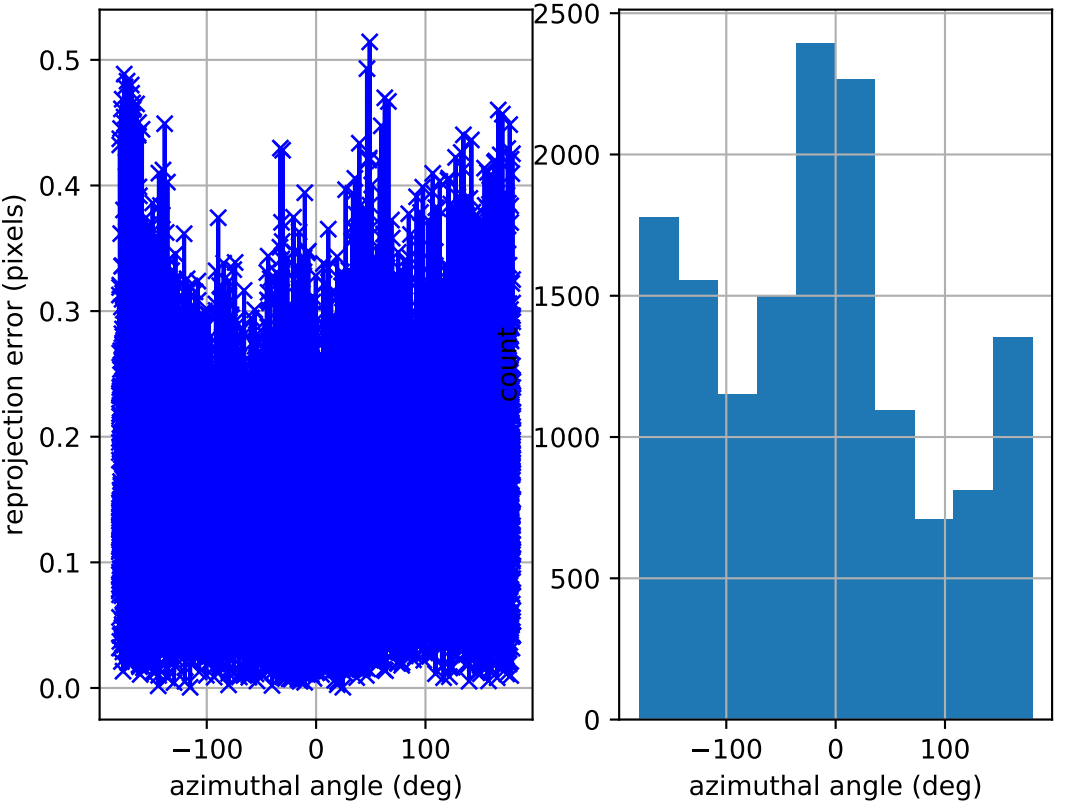
Inter-camera observations graph (edge weight=#mutual obs.)

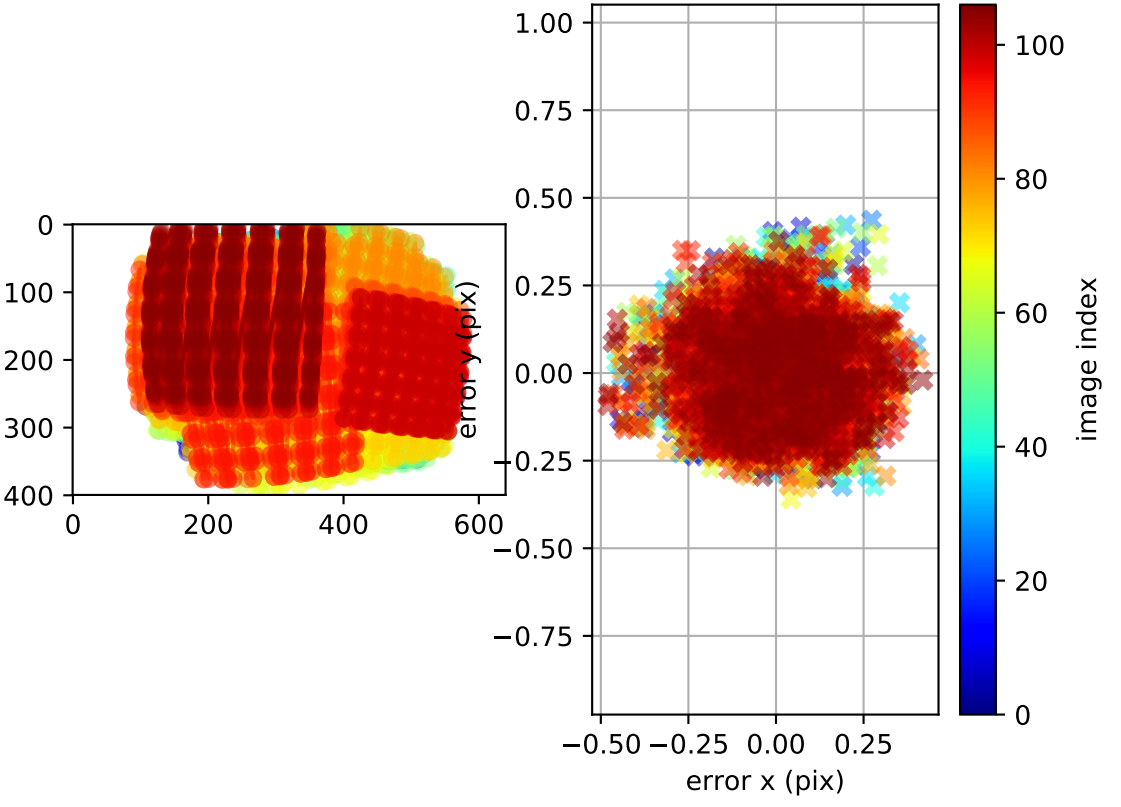


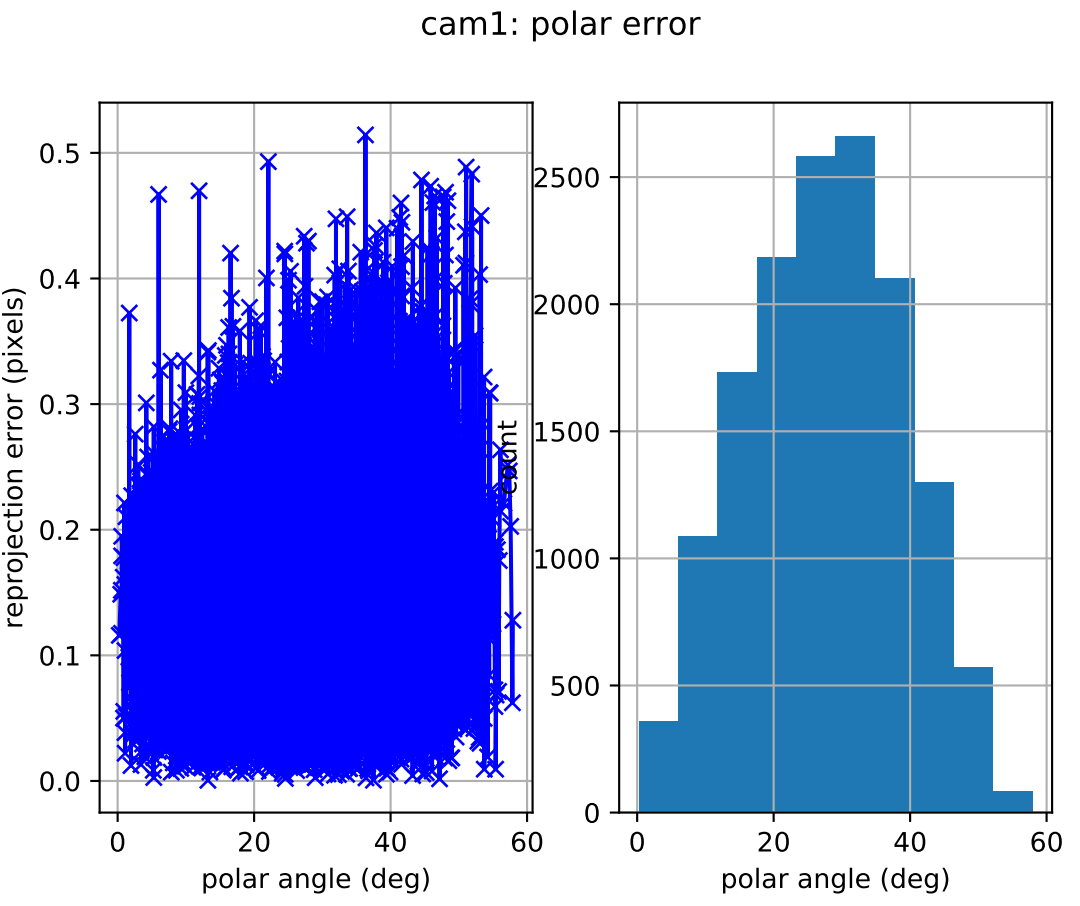

camera system
0.10
0.05
0.00
−0.05
−0.10
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.15
−0.10
−0.05
0.00
0.05
0.10
0.15

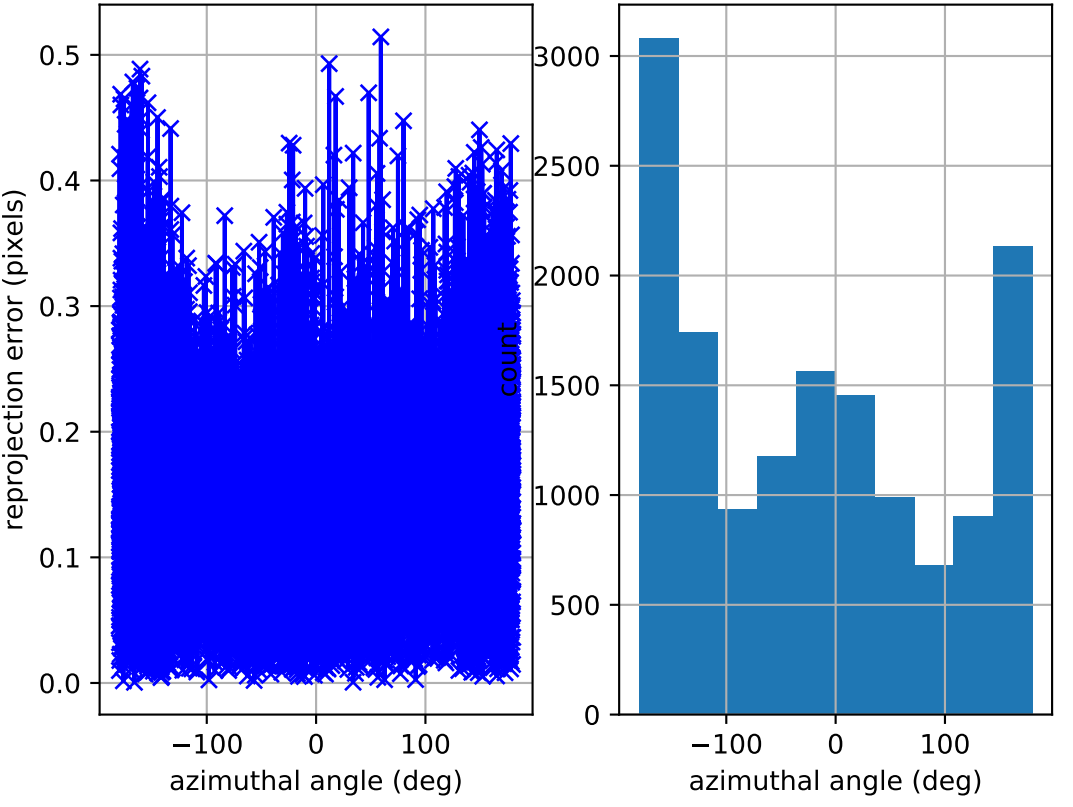

cam0: estimated poses
0.45
0.40
0.35
0.30
0.25
0.00
0.05
0.10
0.15
0.20
0.25
−0.05
0.00
0.05
0.10
0.15
0.20
0.25
0.30

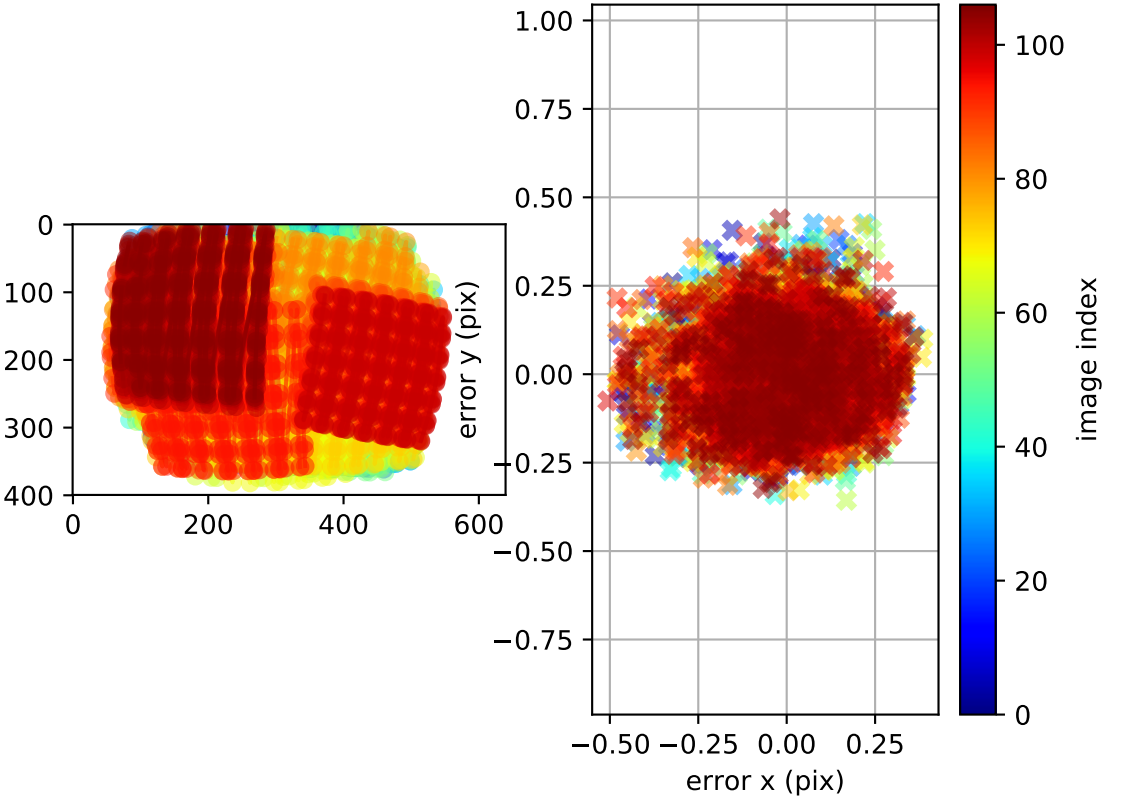

cam0: polar error
reprojection error (pixels)
0.0
0.1
0.2
0.3
0.4
0.5
0
20
40
polar angle (deg)
count
0
500
1000
1500
2000
0
20
40
polar angle (deg)

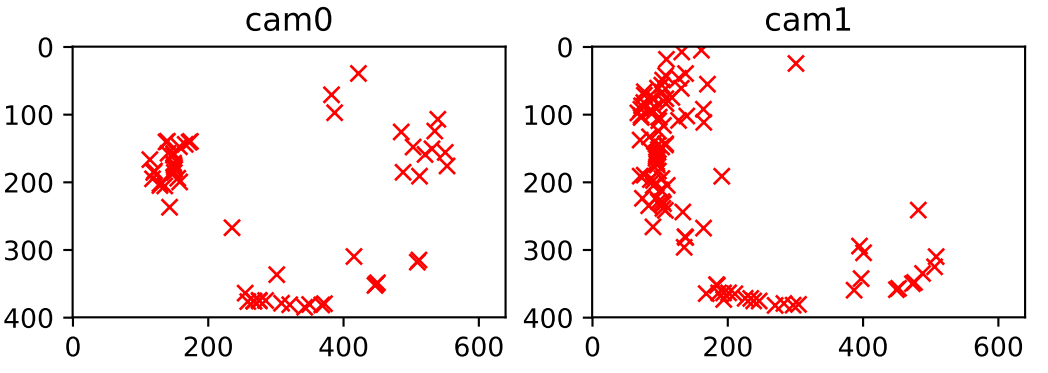

cam0: azimuthal error
reprojection error (pixels)
0.0
0.1
0.2
0.3
0.4
0.5
−100
0
100
azimuthal angle (deg)
count
0
500
1000
1500
2000
2500
−100
0
100
azimuthal angle (deg)


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


cam1: polar error
reprojection error (pixels)
0.0
0.1
0.2
0.3
0.4
0.5
0
20
40
60
polar angle (deg)
count
0
500
1000
1500
2000
2500
0
20
40
60
polar angle (deg)


cam1: azimuthal error
reprojection error (pixels)
0.0
0.1
0.2
0.3
0.4
0.5
−100
0
100
azimuthal angle (deg)
count
0
500
1000
1500
2000
2500
3000
−100
0
100
azimuthal angle (deg)


cam1: reprojection errors
error y (pix)
error x (pix)
image index
0
100
200
300
400
0
200
400
600
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−0.50
−0.25
0.00
0.25
0
20
40
60
80
100


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