Calibration results
==========
Camera-system parameters:
cam0 (/cam0/image_raw):
type: <class 'aslam_cv.libaslam_cv_python.DoubleSphereCameraGeometry'>
distortion: [] +- []
projection: [-0.36180699   0.52291931 186.11584403 186.29748783 315.85022639
199.79859324] +- [0.003254   0.00117269 0.03084204 0.03519811 0.73179826 0.60557691]
reprojection error: [-0.000002, -0.000000] +- [0.096810, 0.083686]

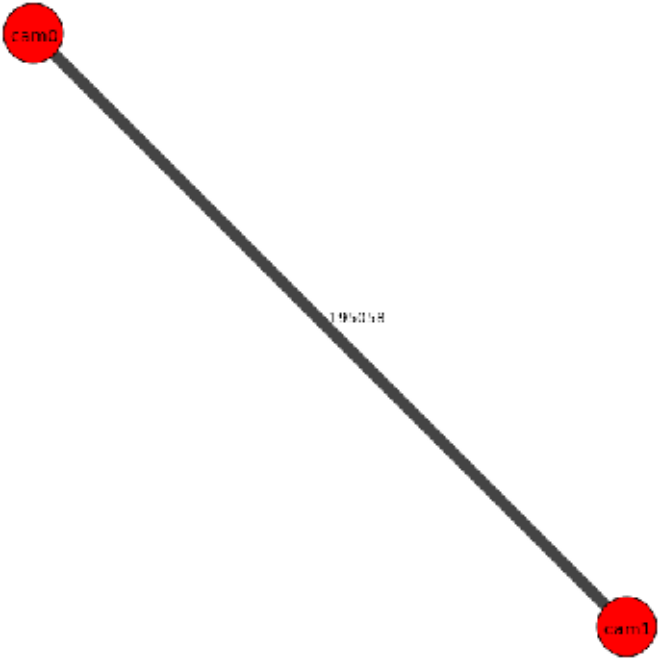
cam1 (/cam1/image_raw):
type: <class 'aslam_cv.libaslam_cv_python.DoubleSphereCameraGeometry'>
distortion: [] +- []
projection: [-0.36060067   0.52243306 186.24117441 186.35462255 315.40796445
199.09839714] +- [0.00291798 0.00134477 0.02961051 0.0300932   0.76679951 0.71623792]
reprojection error: [0.000002, 0.000000] +- [0.090291, 0.093059]

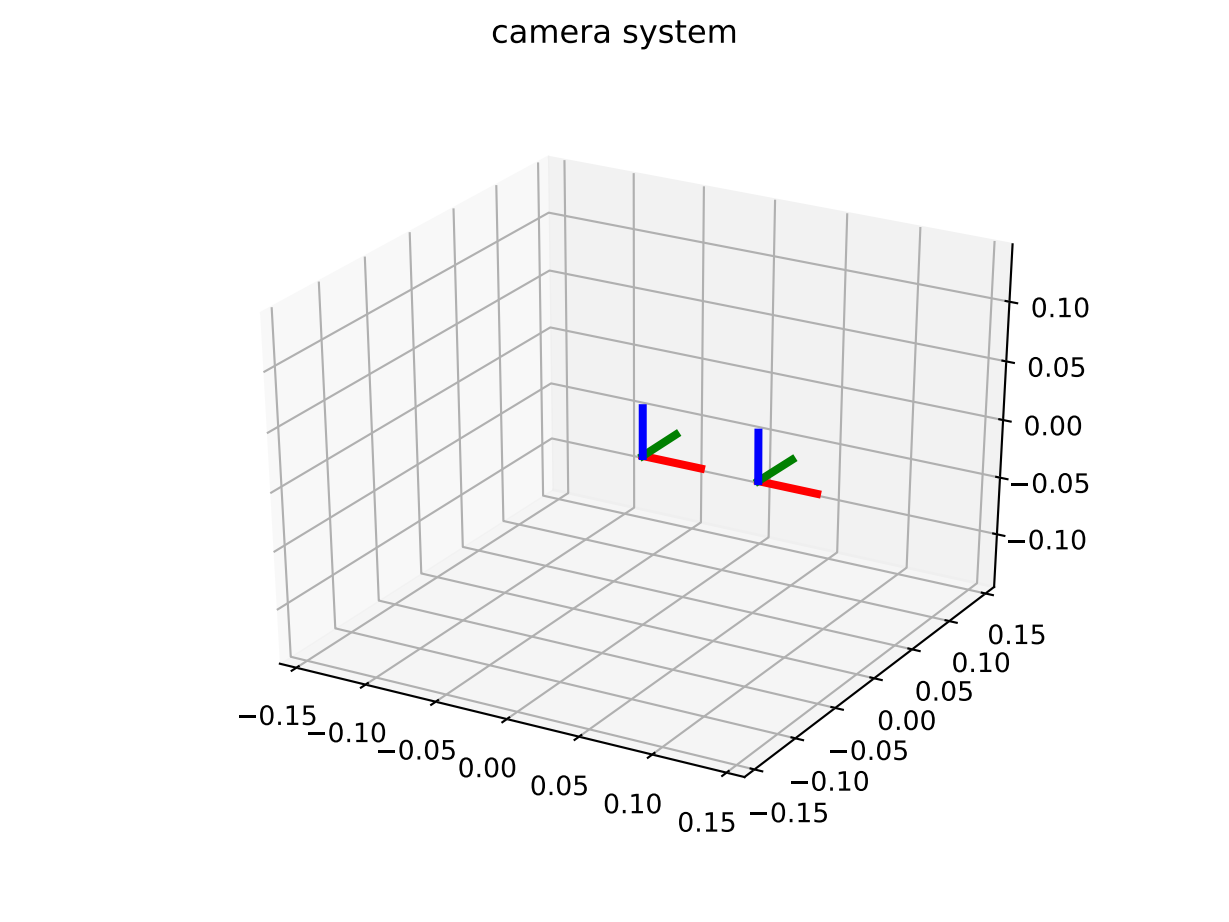
baseline T_1_0:
q: [-0.00237184 -0.00683358 -0.01197766 0.9999021] +- [0.00213824 0.00173055 0.00021777]
t: [-0.08079391 0.0000307   0.00014338] +- [0.00024628 0.00019509 0.0008633]

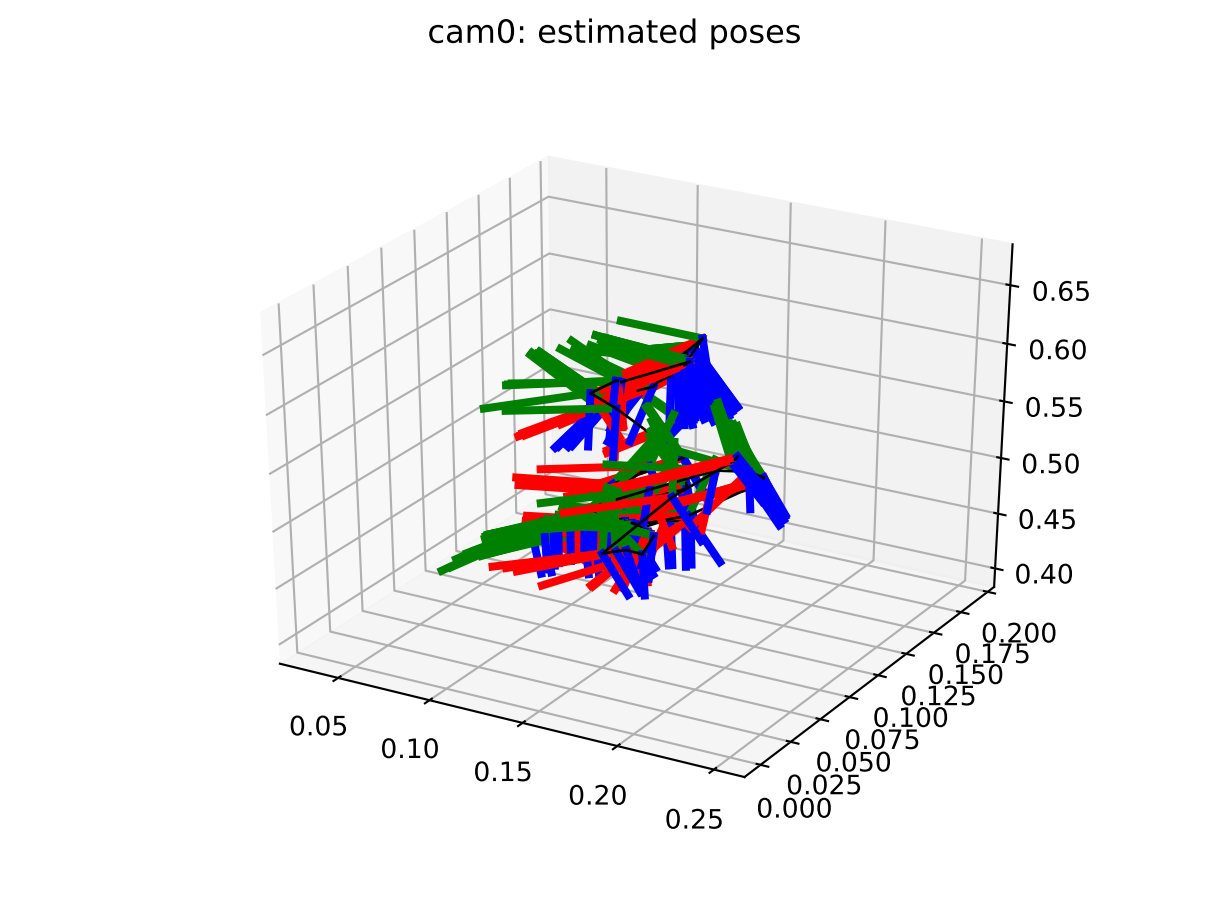
Target configuration
==========

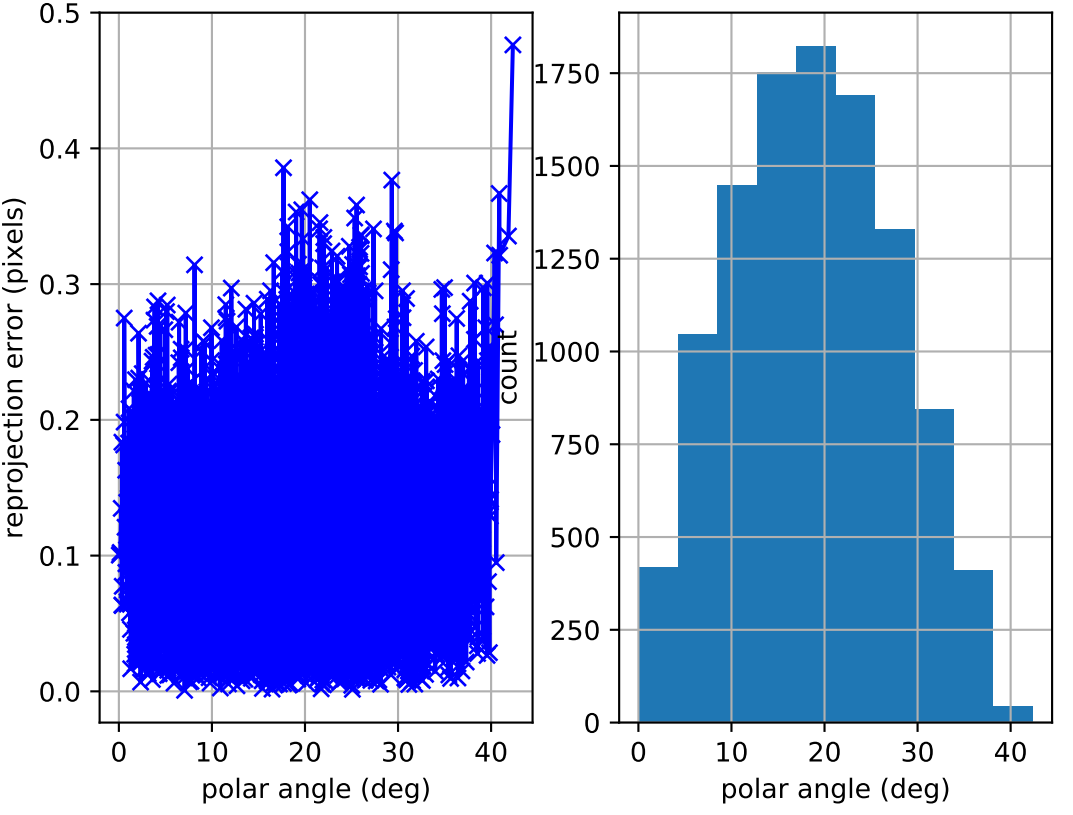
Type: aprilgrid
Tags:
Rows: 6
Cols: 6
Size: 0.0312 [m]
Spacing 0.00959999976 [m]

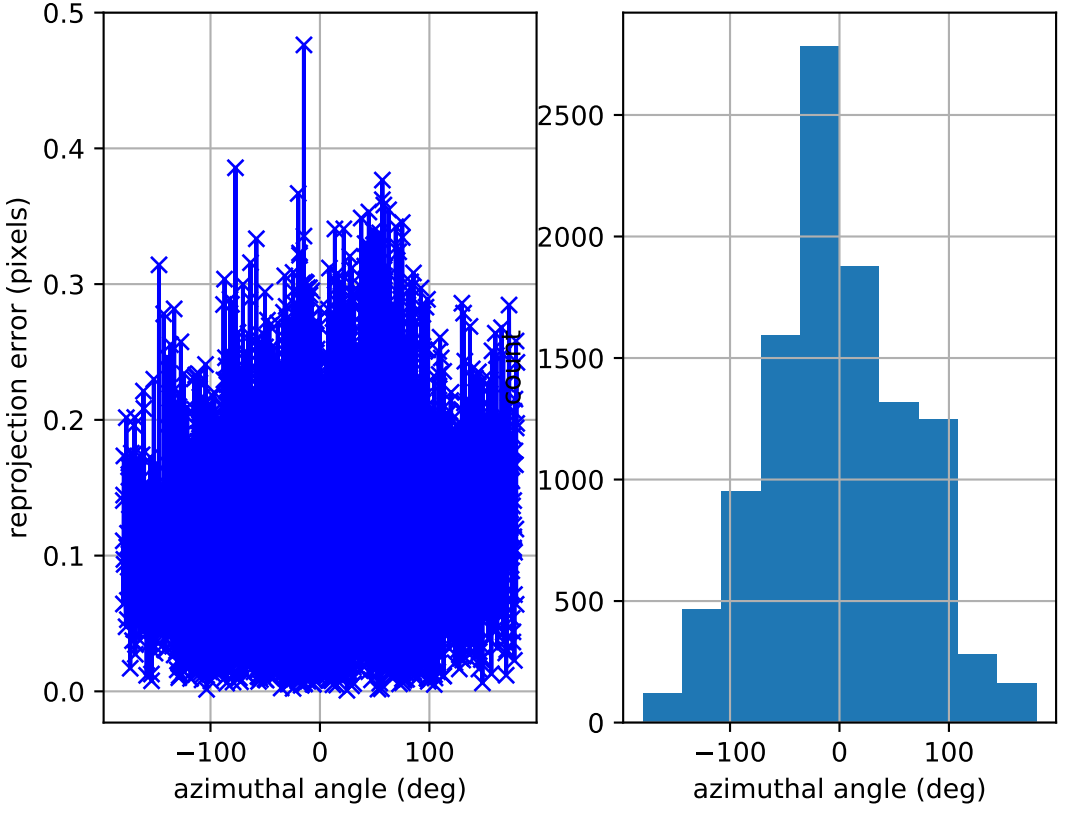
Inter-camera observations graph (edge weight=#mutual obs.)

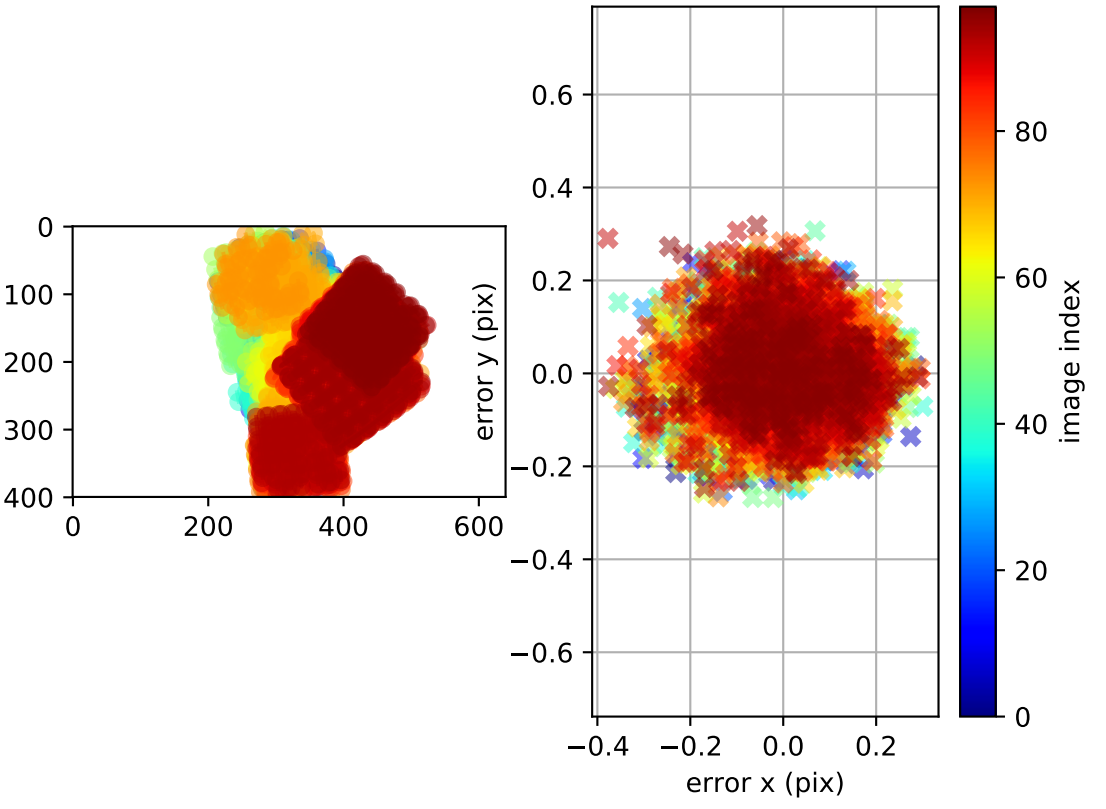


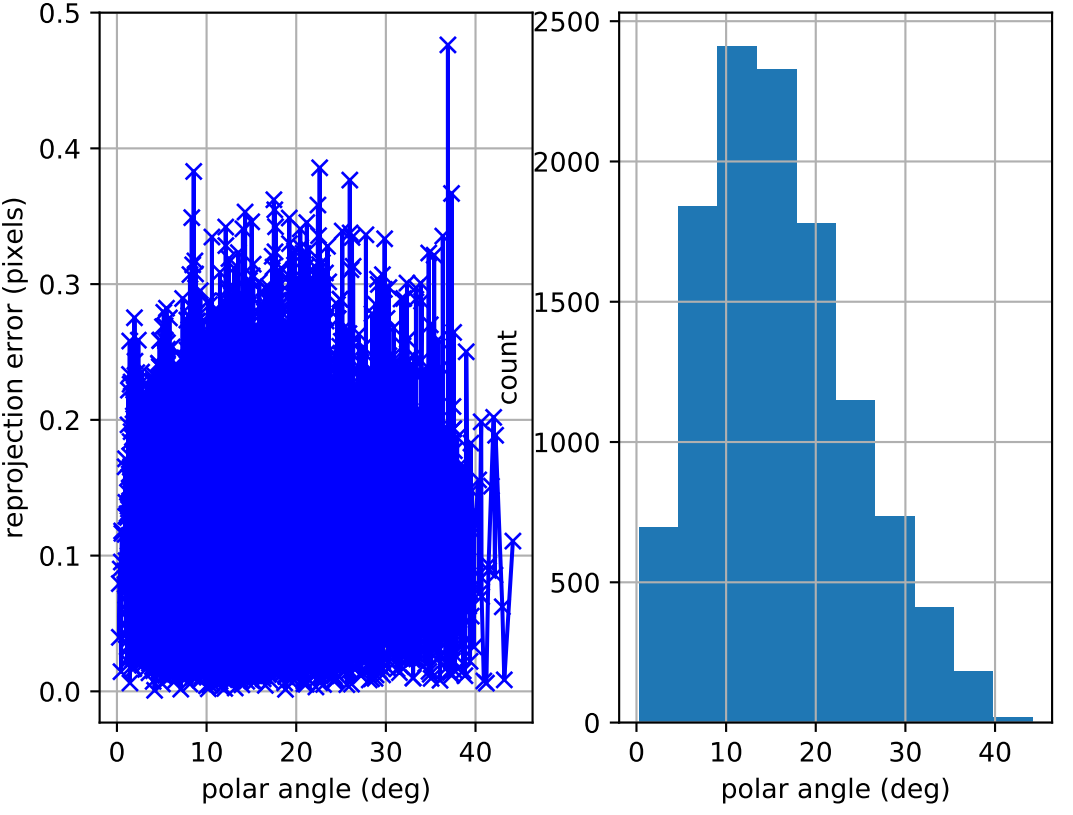

camera system
0.10
0.05
0.00
−0.05
−0.10
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.15
−0.10
−0.05
0.00
0.05
0.10
0.15

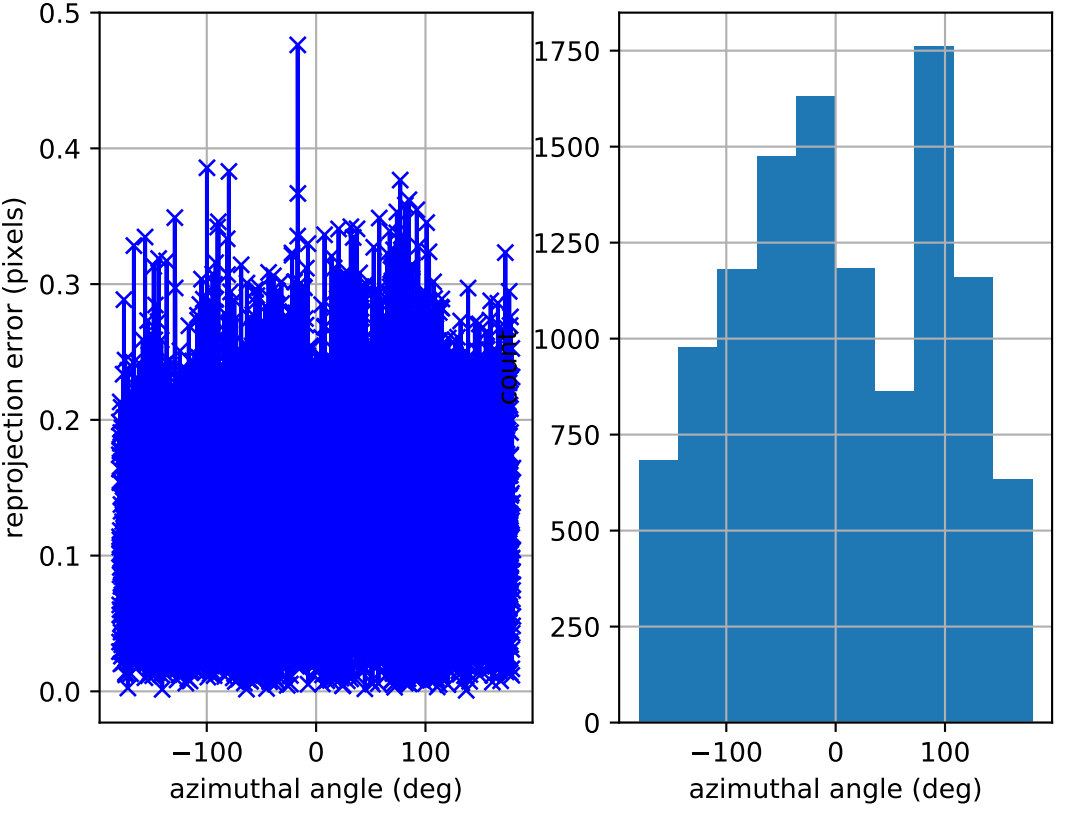

cam0: estimated poses
0.65
0.60
0.55
0.50
0.45
0.40
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.05
0.10
0.15
0.20
0.25

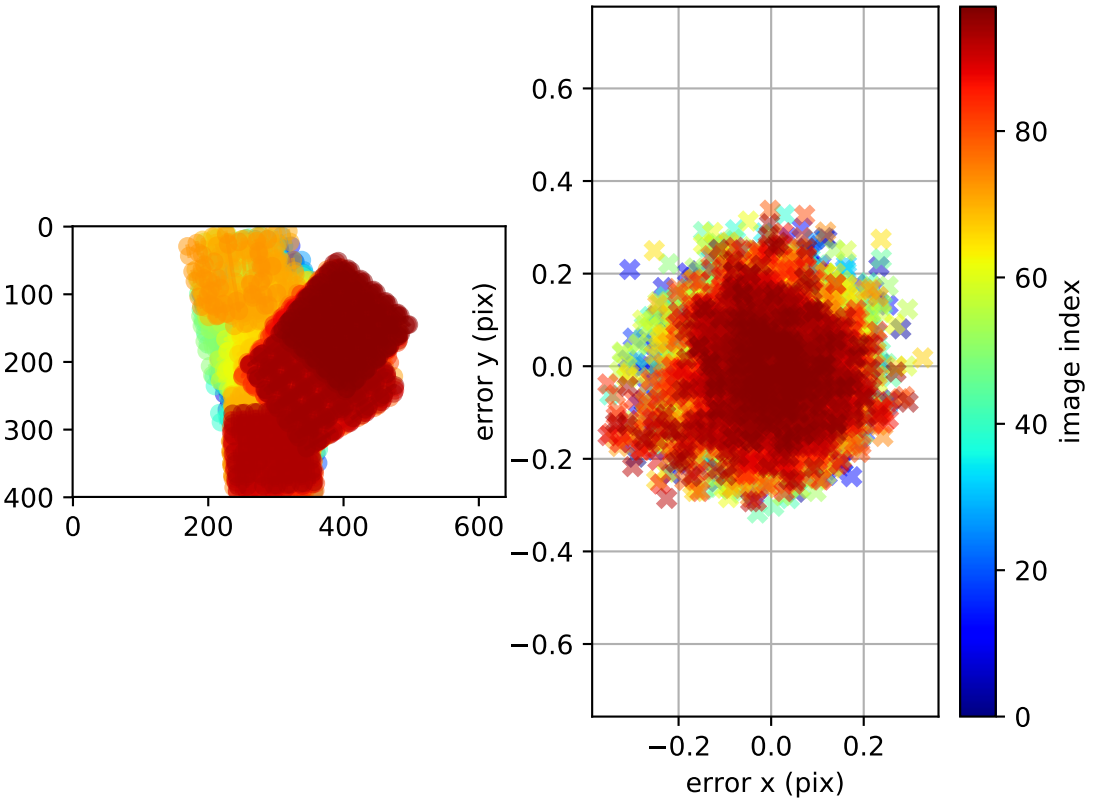

cam0: polar error
reprojection error (pixels)
polar angle (deg)
count
polar angle (deg)
0.0
0.1
0.2
0.3
0.4
0.5
0
10
20
30
40
0
250
500
750
1000
1250
1500
1750

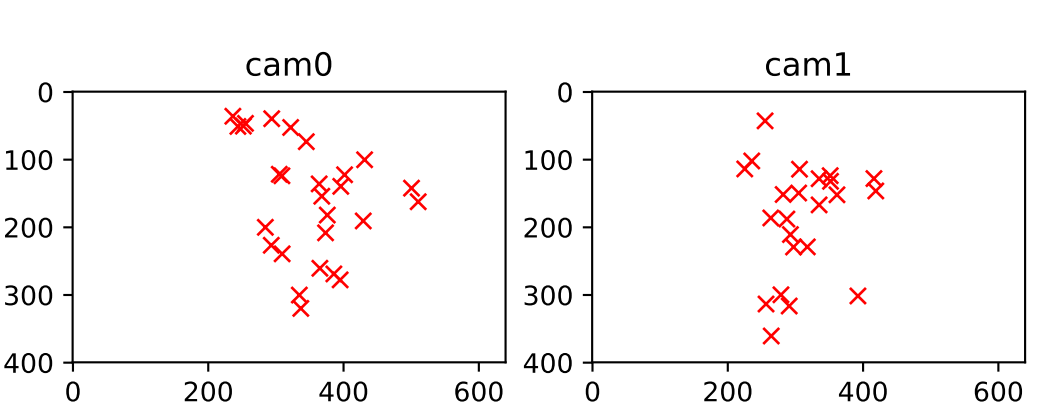

cam0: azimuthal error
reprojection error (pixels)
azimuthal angle (deg)
count
azimuthal angle (deg)
0.0
0.1
0.2
0.3
0.4
0.5
−100
0
100
0
500
1000
1500
2000
2500


cam0: reprojection errors
0
100
200
300
400
0
200
400
600
error y (pix)
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.4
−0.2
0.0
0.2
error x (pix)
80
60
40
20
0
image index


cam1: polar error
reprojection error (pixels)
0.5
0.4
0.3
0.2
0.1
0.0
0
10
20
30
40
polar angle (deg)
count
2500
2000
1500
1000
500
0
0
10
20
30
40
polar angle (deg)


cam1: azimuthal error
reprojection error (pixels)
azimuthal angle (deg)
count
azimuthal angle (deg)
0.0
0.1
0.2
0.3
0.4
0.5
−100
0
100
0
250
500
750
1000
1250
1500
1750


cam1: reprojection errors
0
100
200
300
400
0
200
400
600
error y (pix)
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.2
0.0
0.2
error x (pix)
80
60
40
20
0
image index


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