

Calibration results

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Camera-system parameters:

cam0 (/left/image_raw):

```
type: <class 'aslām_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>
distortion: [-0.22008226 0.06032327 0.00041749 0.00129712] +- [0.00064455 0.00039897 0.00008894 0.00013298]
projection: [905.20388744 904.29493074 766.70215471 569.93646636] +- [0.24736429 0.23290815 0.88917765
0.52807727]
reprojection error: [0.000183, -0.000030] +- [0.411928, 0.356333]
```

cam1 (/middle/image_raw):

```
type: <class 'aslām_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>
distortion: [-0.22417698 0.06373024 0.00016808 0.00006043] +- [0.00075408 0.0005265 0.00008172 0.00011206]
projection: [913.04616953 911.73104118 777.11553789 581.6499745 ] +- [0.3136627 0.31003935 0.87401148
0.44501895]
reprojection error: [-0.000044, -0.000069] +- [0.474879, 0.450606]
```

cam2 (/right/image_raw):

```
type: <class 'aslām_cv.libaslam_cv_python.DistortedPinholeCameraGeometry'>
distortion: [-0.21792947 0.05923033 0.00087385 -0.00069215] +- [0.00066913 0.00044227 0.00012018 0.00014638]
projection: [906.13030768 905.03129772 770.6513601 577.88012713] +- [0.21865874 0.2017673 0.42169773
0.7440536 ]
reprojection error: [-0.000129, 0.000157] +- [0.480461, 0.431093]
```

baseline T_1_0:

```
q: [-0.03034881 0.2286898 0.03649435 0.97234155] +- [0.00066273 0.00109184 0.00021817]
t: [-0.60723815 0.10088439 -0.12106321] +- [0.00029886 0.00013531 0.0005754 ]
```

baseline T_2_1:

```
q: [0.0480869 0.2779485 0.02116101 0.95915822] +- [0.00115965 0.00111981 0.00048232]
t: [-0.85996164 -0.08389406 -0.30279685] +- [0.00145022 0.00100808 0.0019561 ]
```

Target configuration

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Type: aprilgrid

Tags:

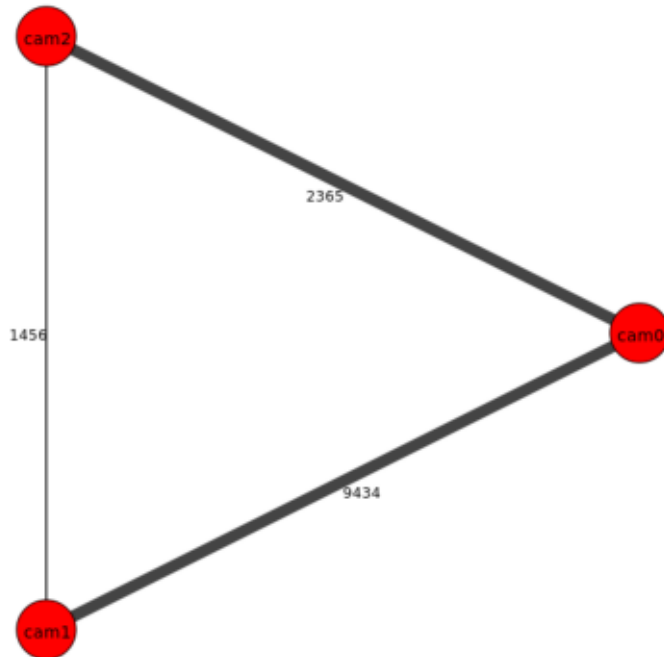
Rows: 6

Cols: 6

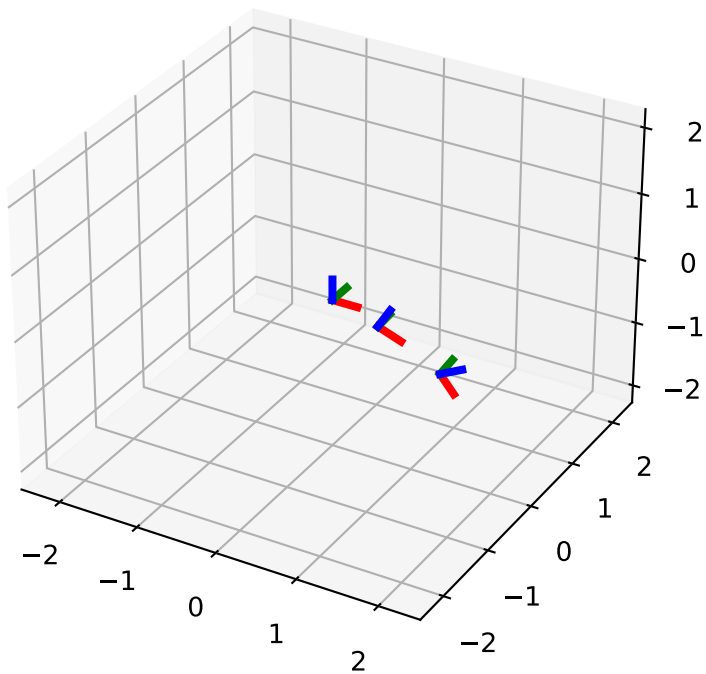
Size: 0.099 [m]

Spacing 0.0299999997 [m]

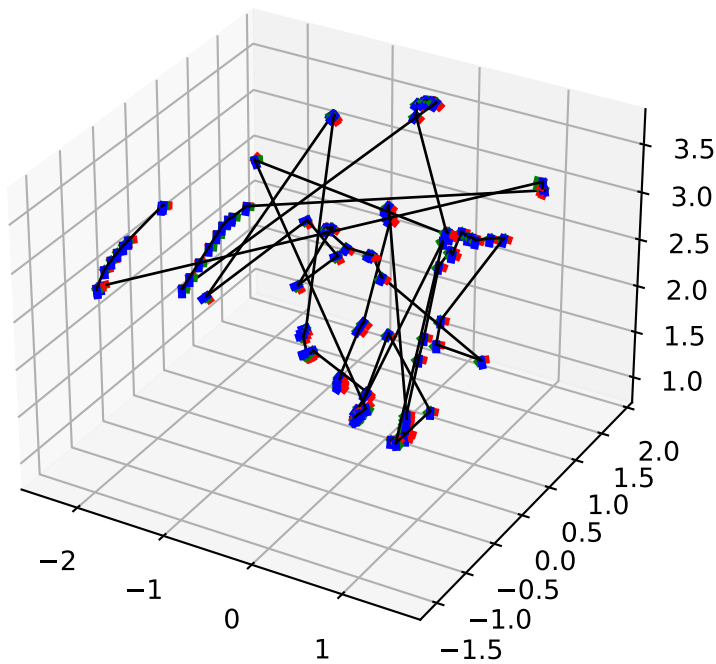
Inter-camera observations graph (edge weight=#mutual obs.)



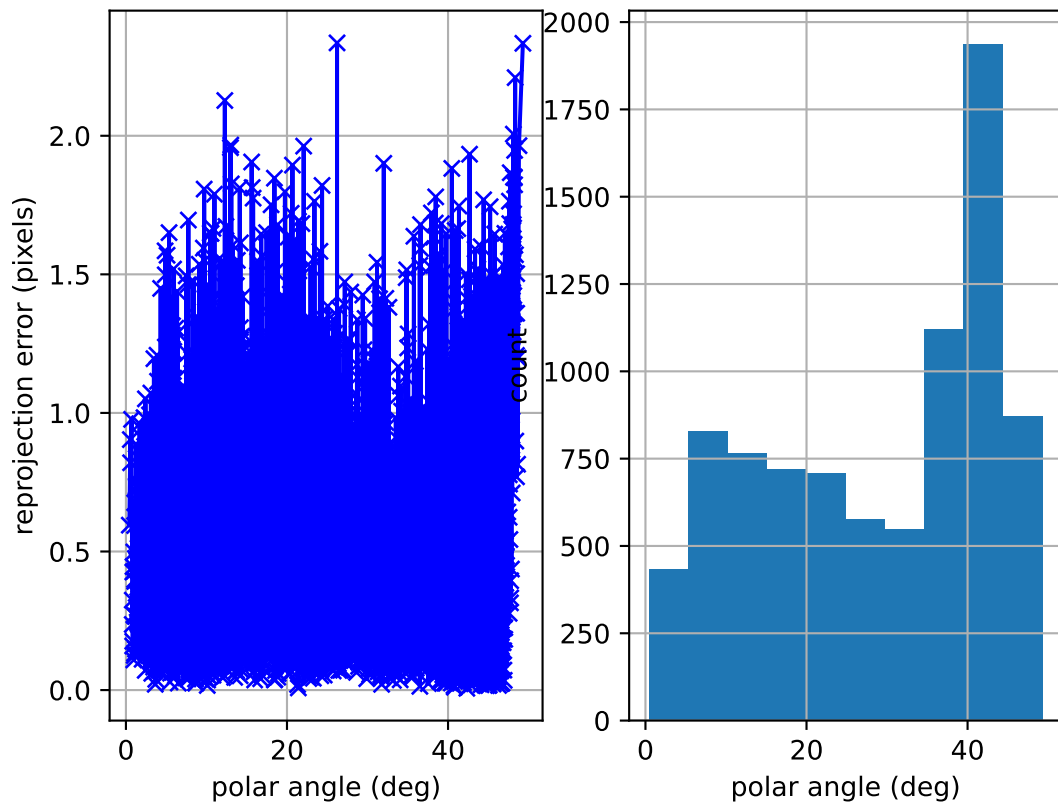
camera system



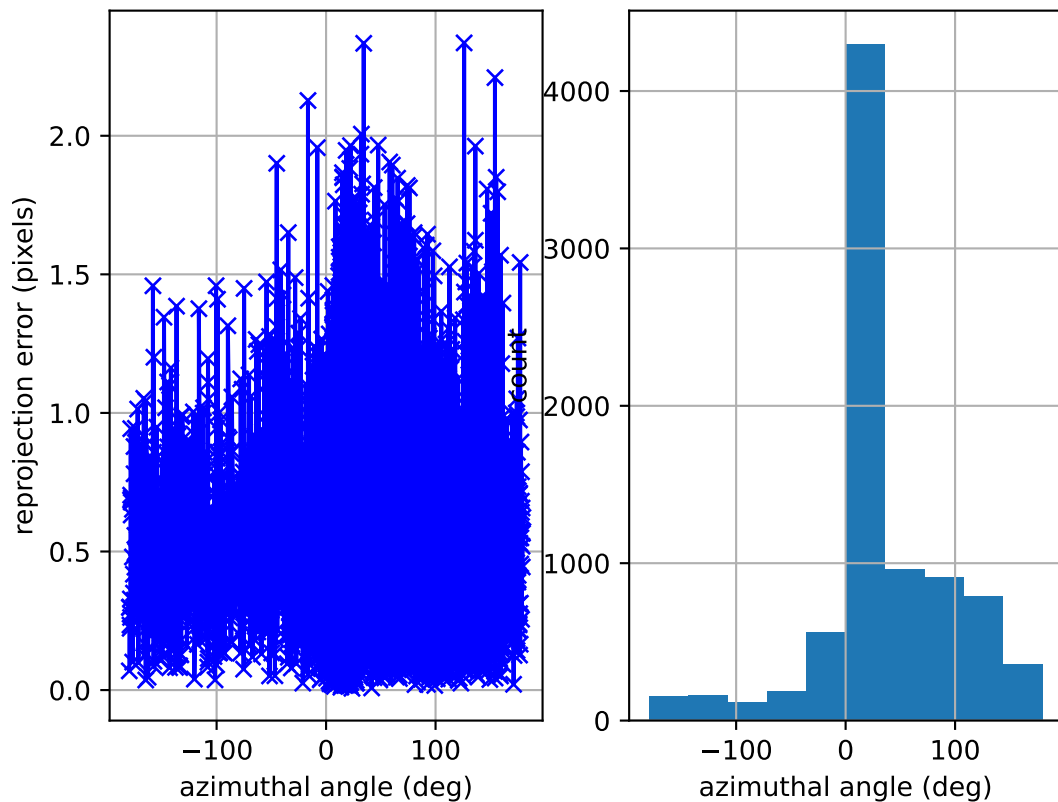
cam0: estimated poses



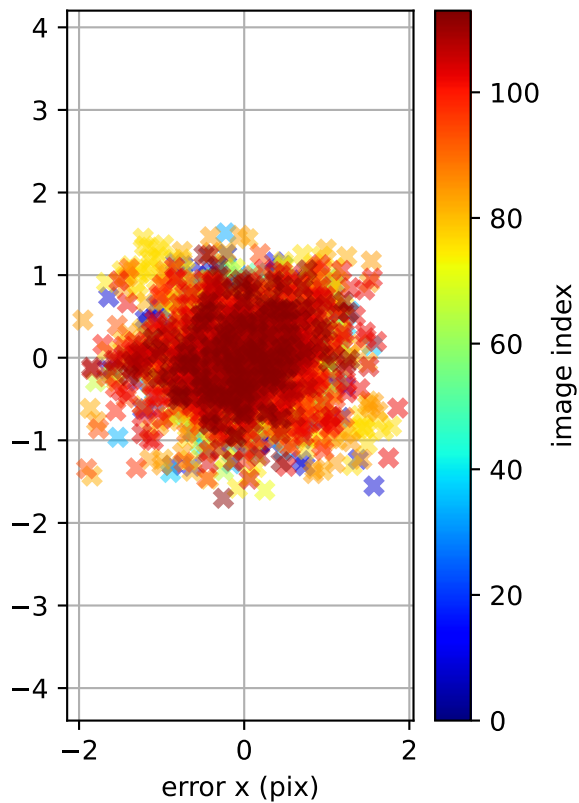
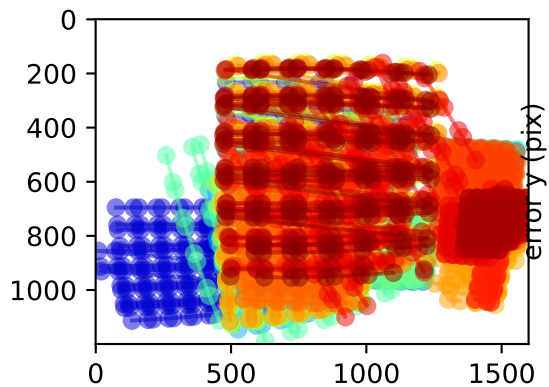
cam0: polar error



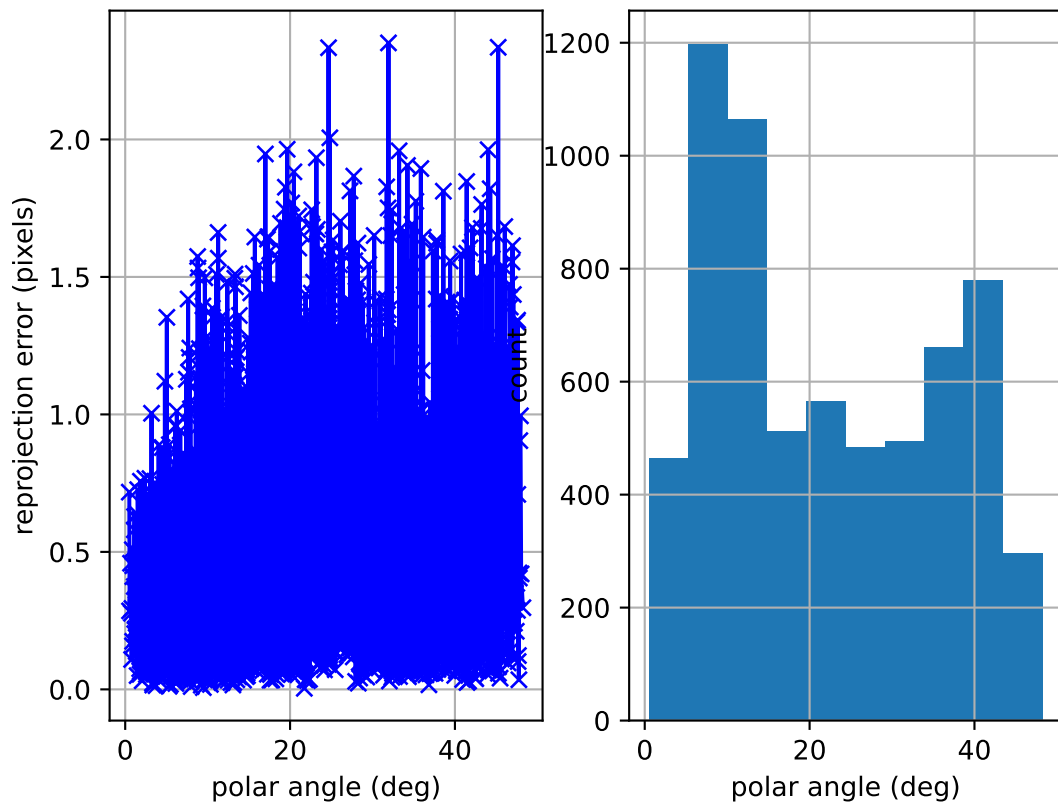
cam0: azimuthal error



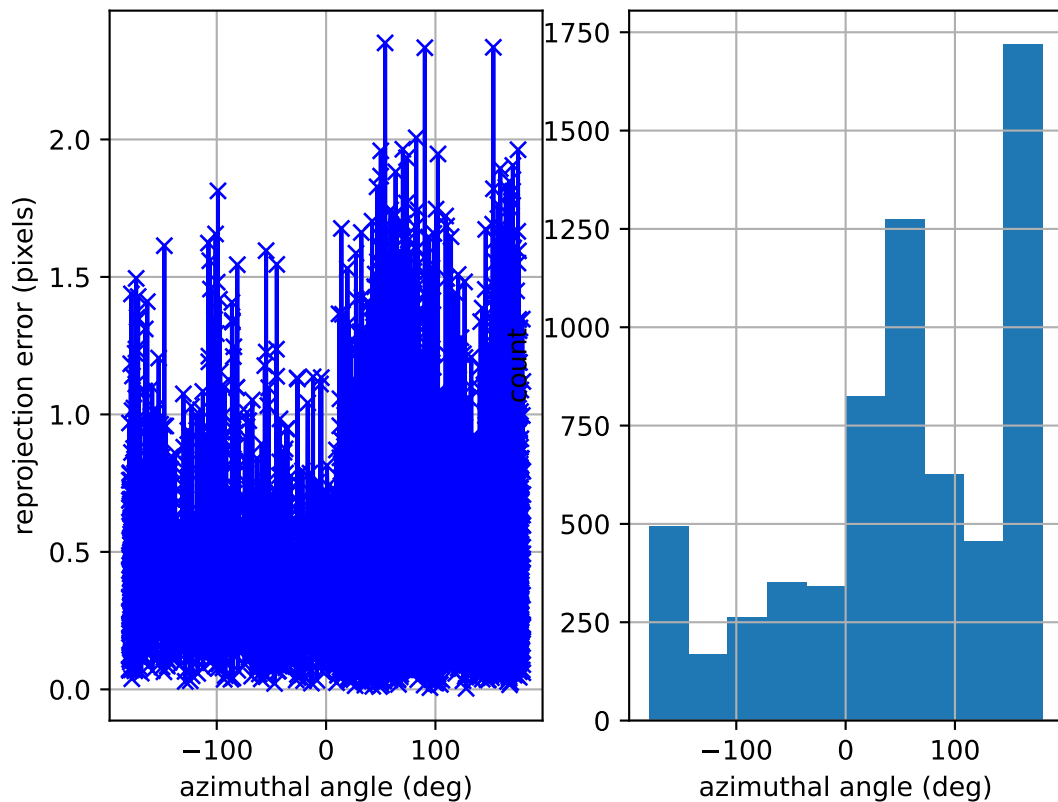
cam0: reprojection errors



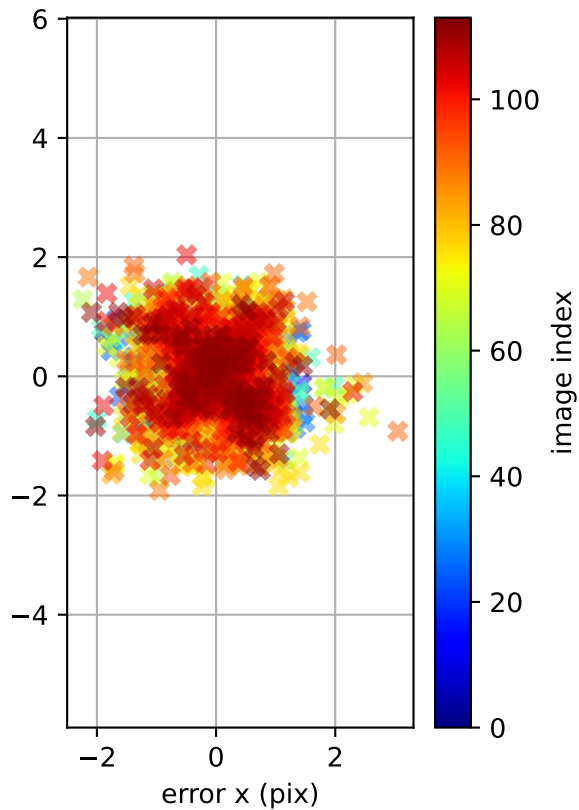
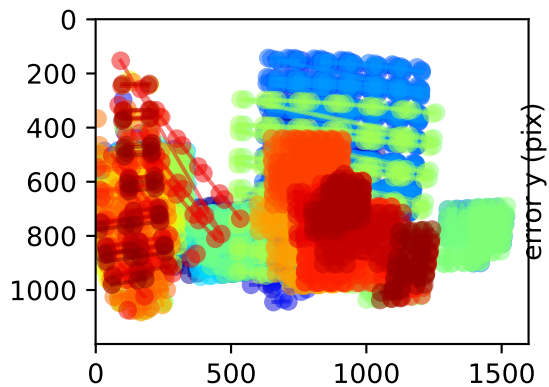
cam1: polar error



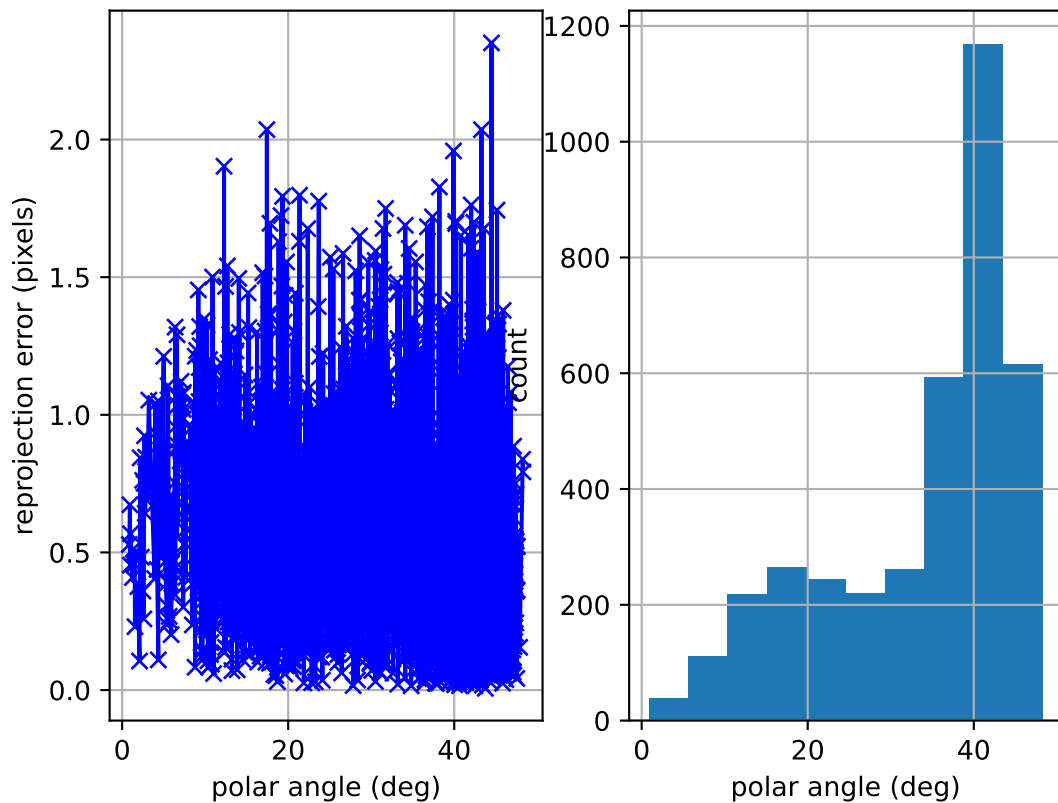
cam1: azimuthal error



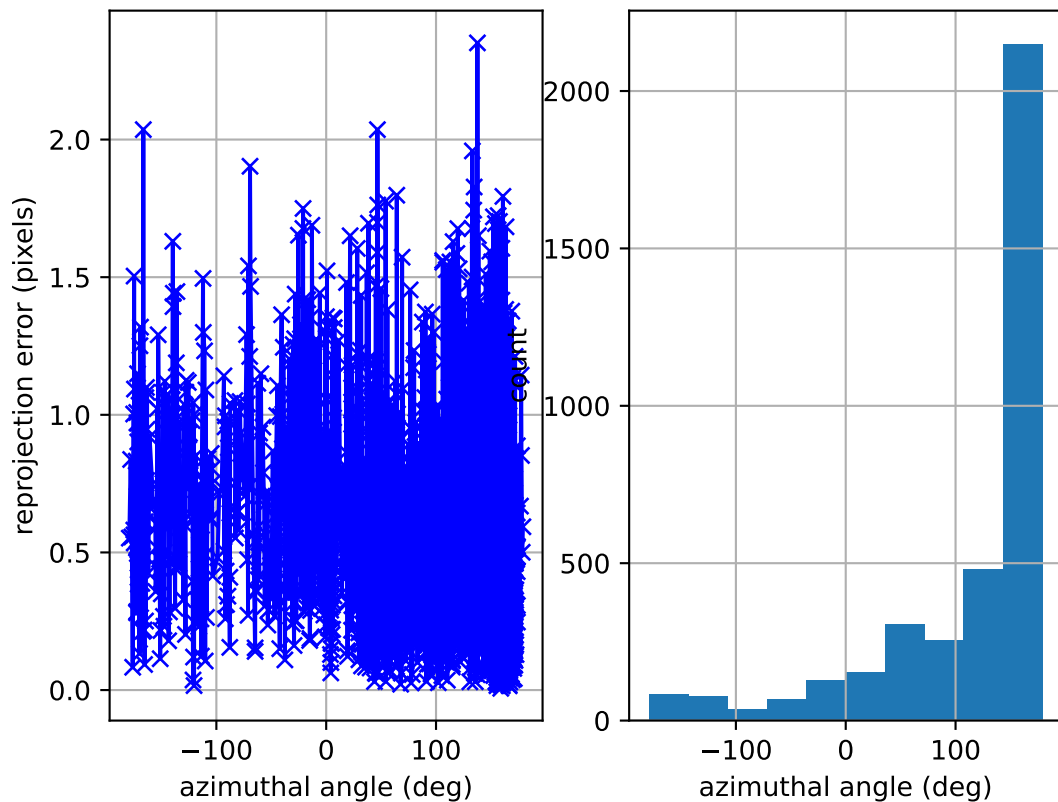
cam1: reprojection errors



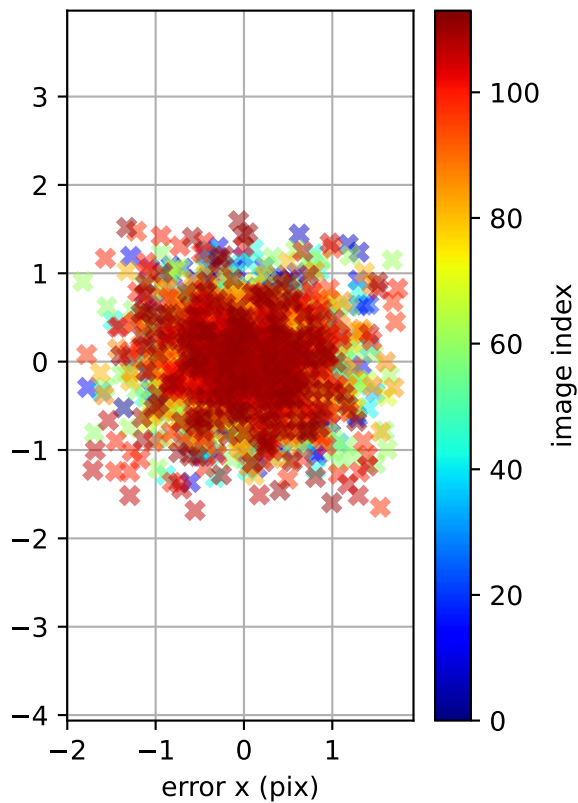
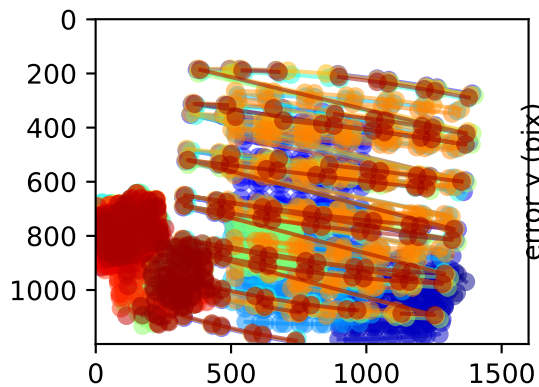
cam2: polar error



cam2: azimuthal error

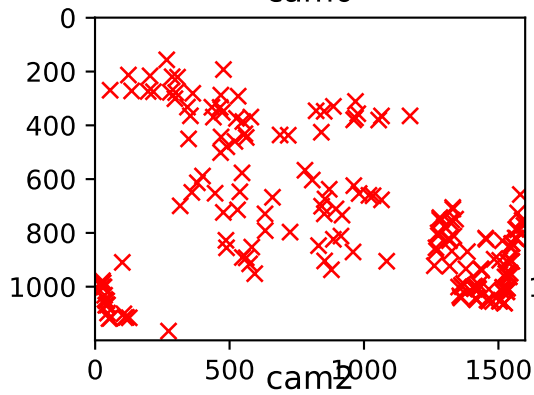


cam2: reprojection errors

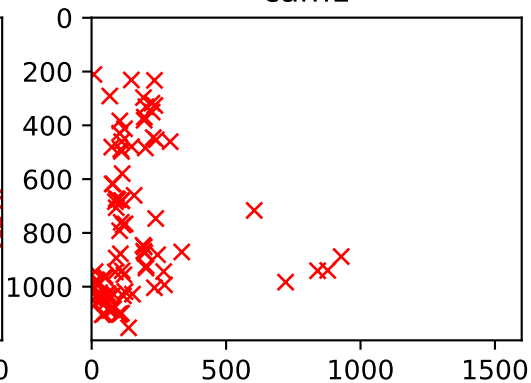


Location of removed outlier corners

cam0



cam1



cam2

