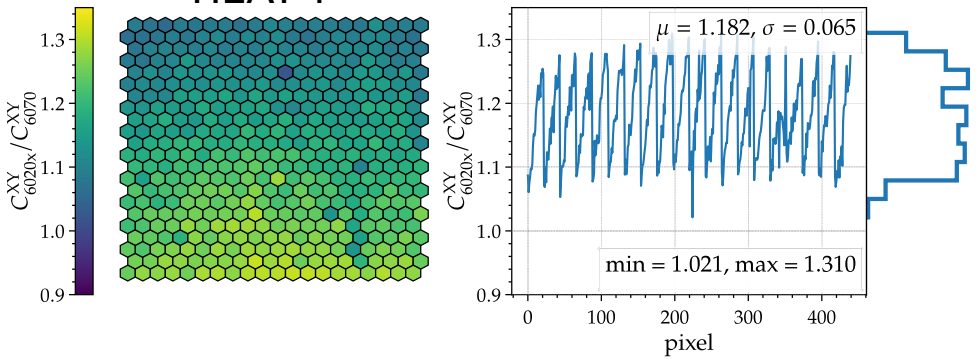
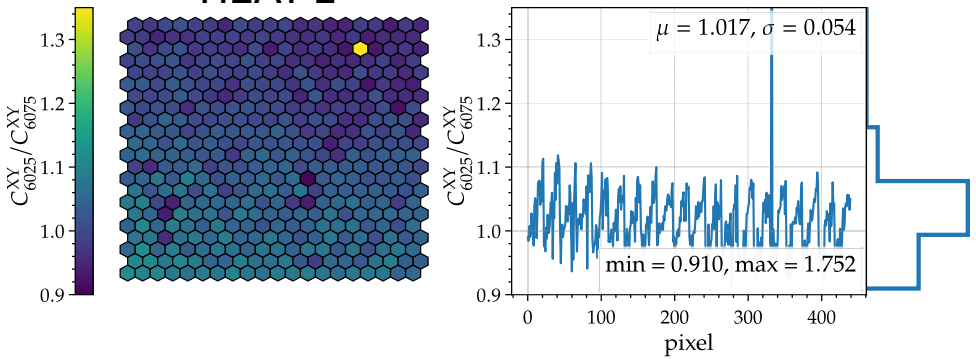
HEAT - Effect of Cleaning – XY Calibration

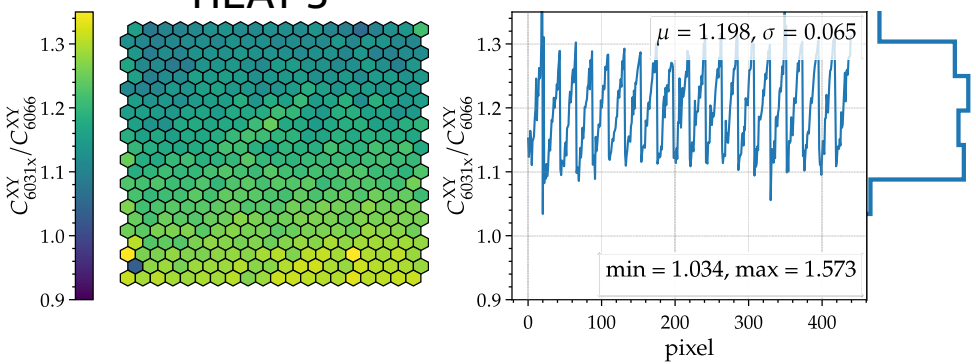
HEAT 1



HEAT 2

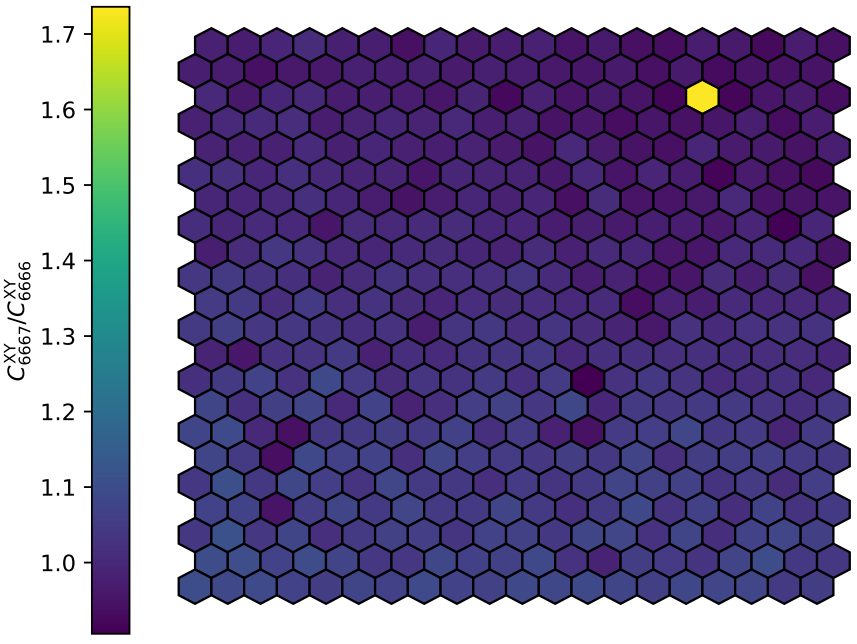


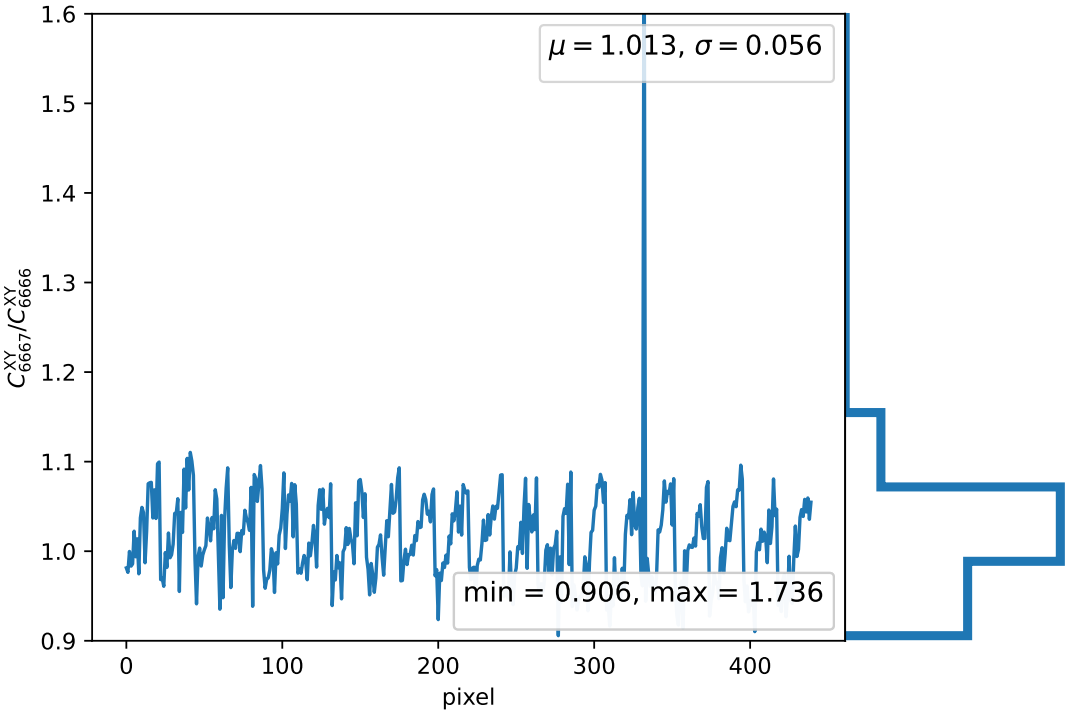
HEAT 3



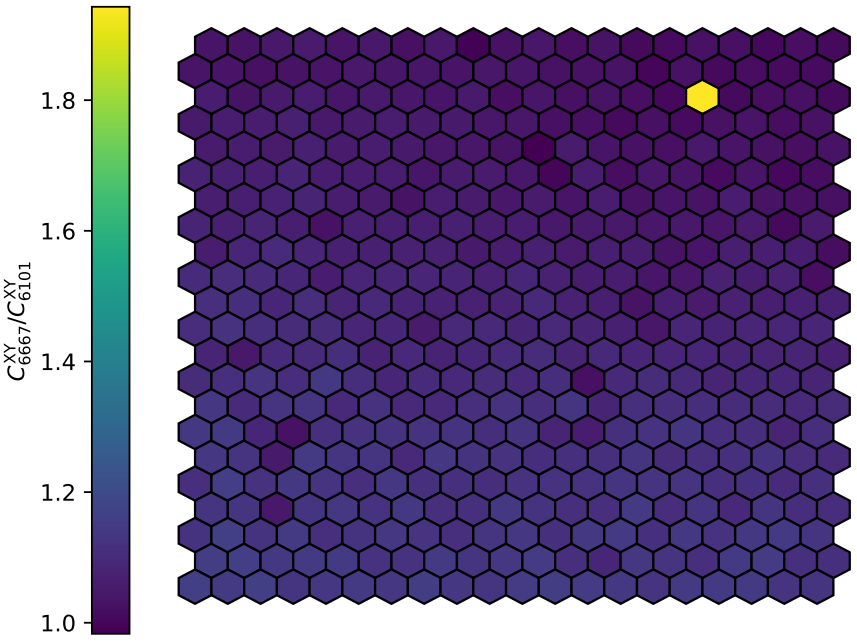
- ratio of absolute calibration constants before/after cleaning
- HE1:
  - up to ~30% signal increase for lower pixel rows
  - ~18% signal increase on average
- HE2:
  - only ~2% signal increase on average
  - less dirty?
  - decreasing light source intensity?
  - mistake in analysis?
- HE3:
  - similar to HE1

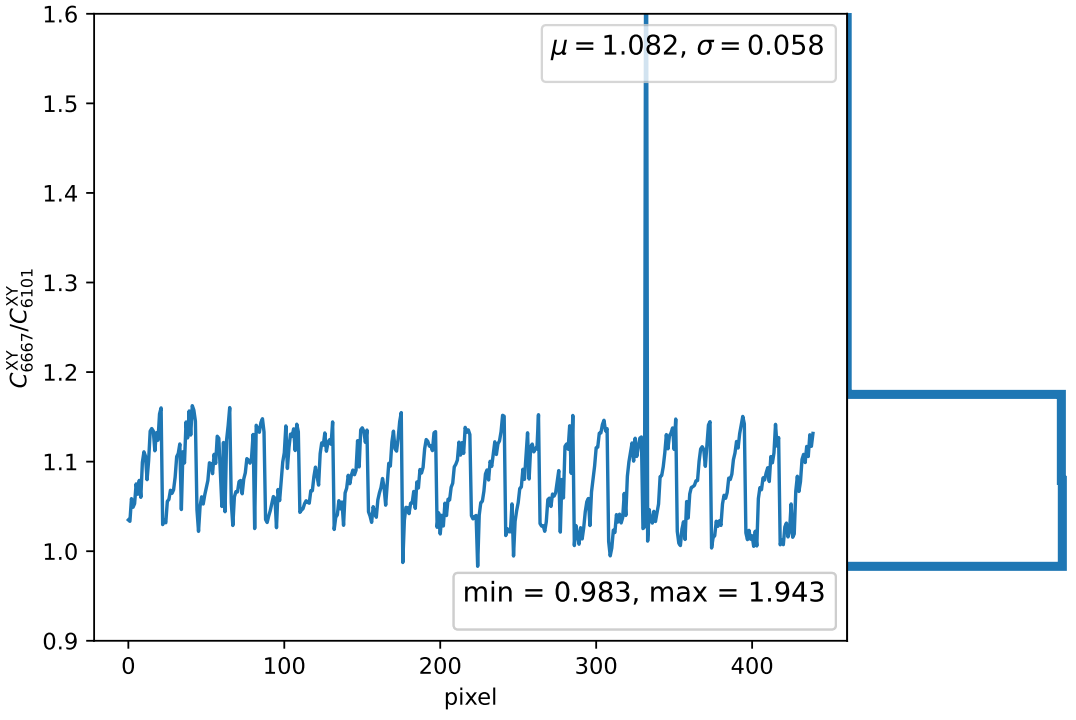
Heat #2 first XY run



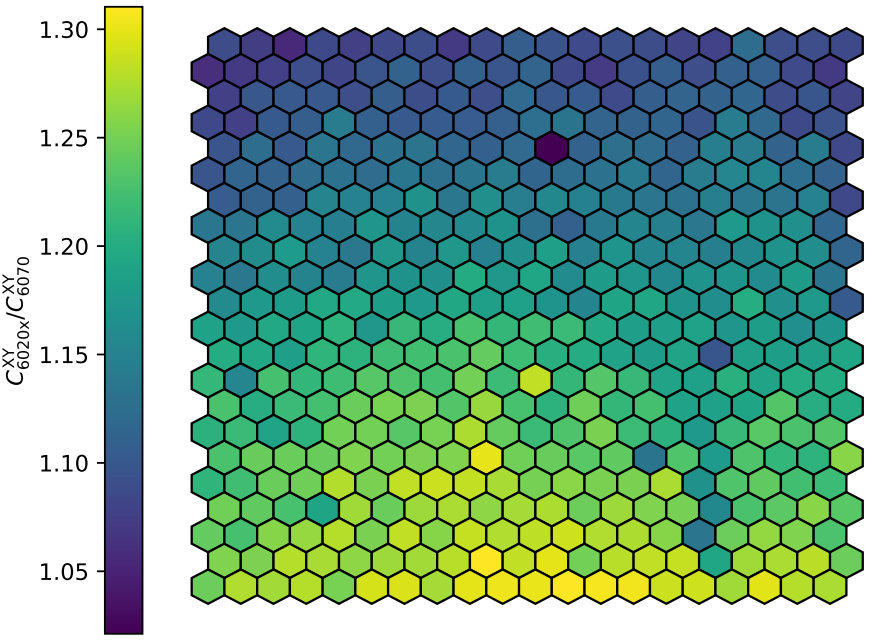


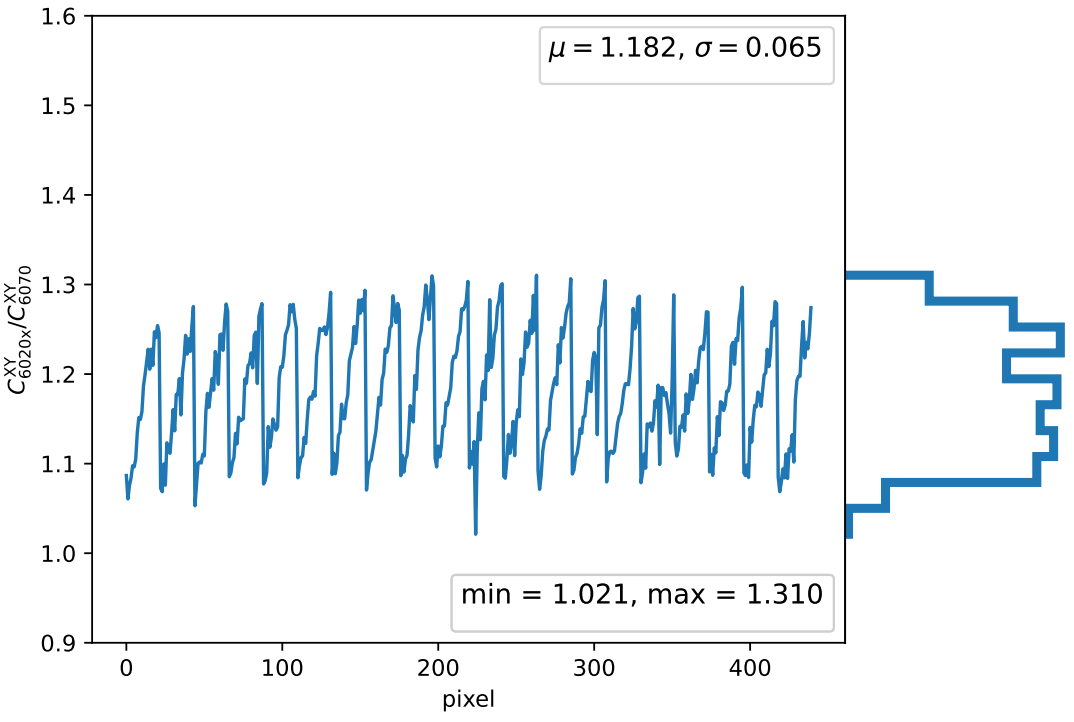
Heat #2 second XY run



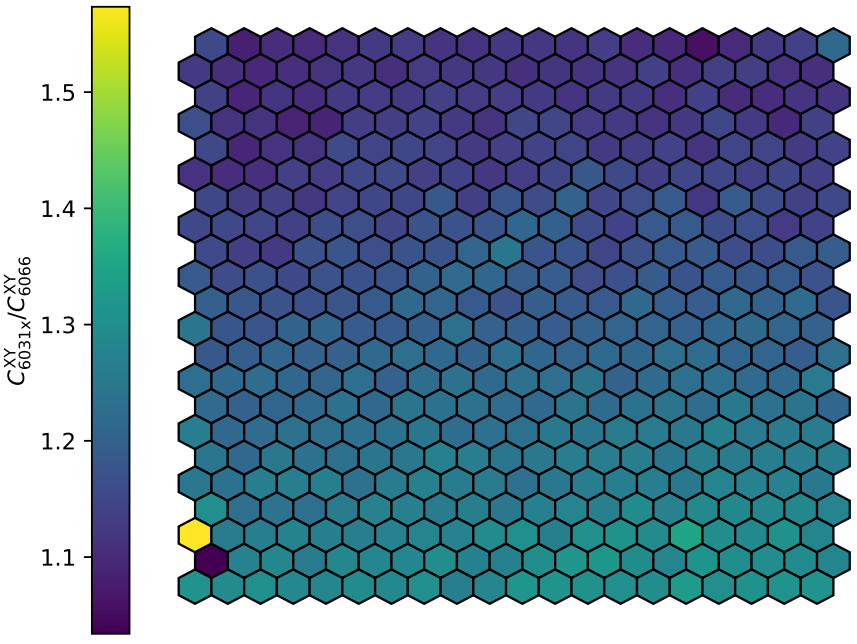


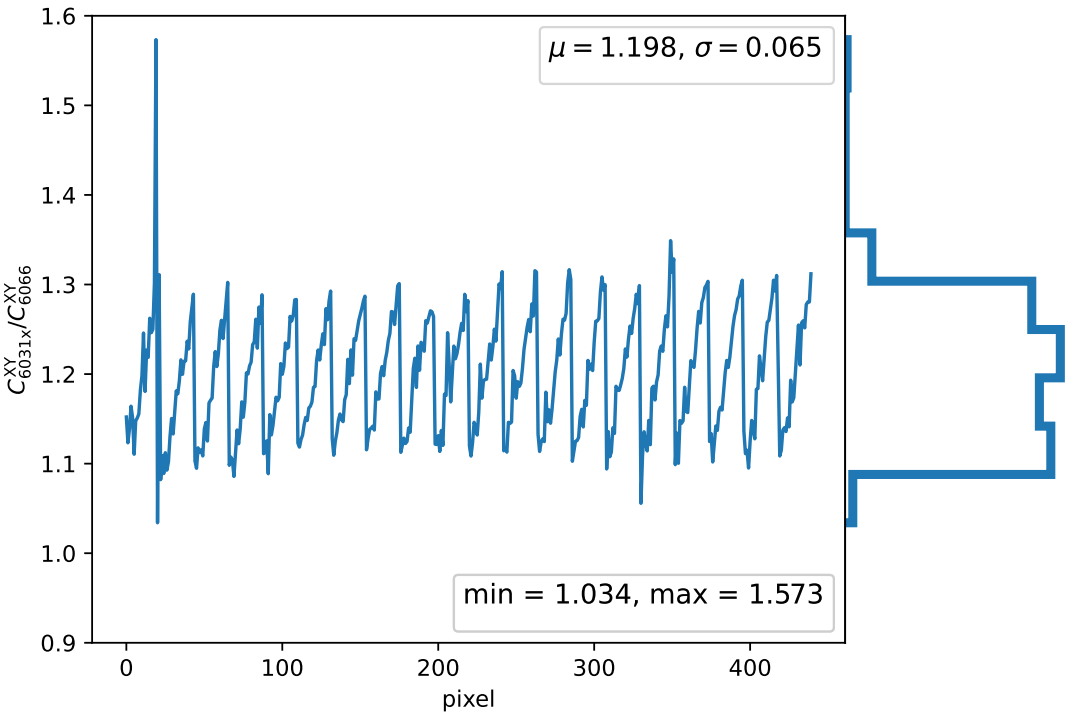
Heat #1 XY run


1.30
1.25
1.20
1.15
1.10
1.05
$C^{XY}_{6020x}/C^{XY}_{6070}$

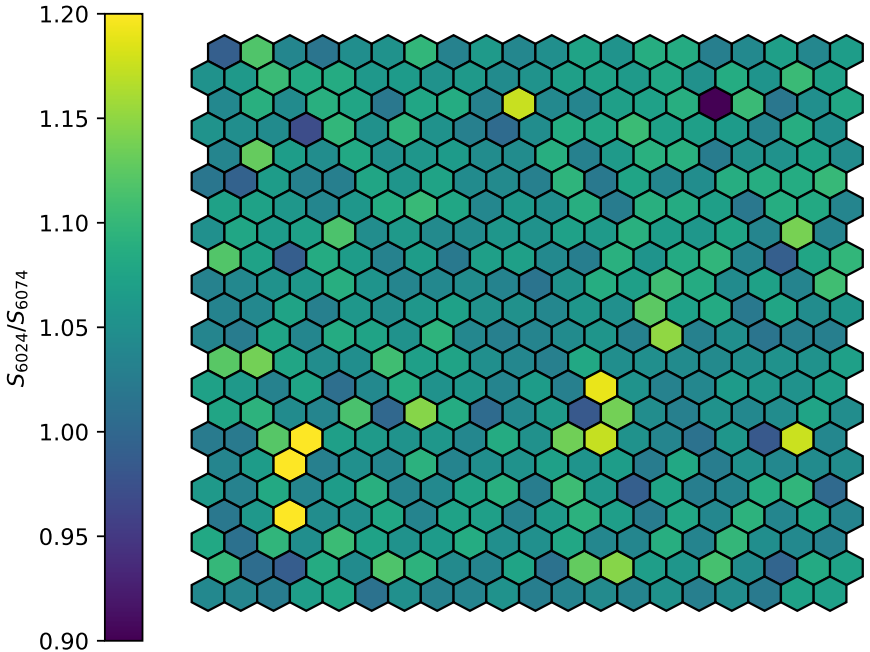

$\mu = 1.182, \sigma = 0.065$
min = 1.021, max = 1.310
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
$C^{XY}_{6020x}/C^{XY}_{6070}$
0
100
200
300
400
pixel

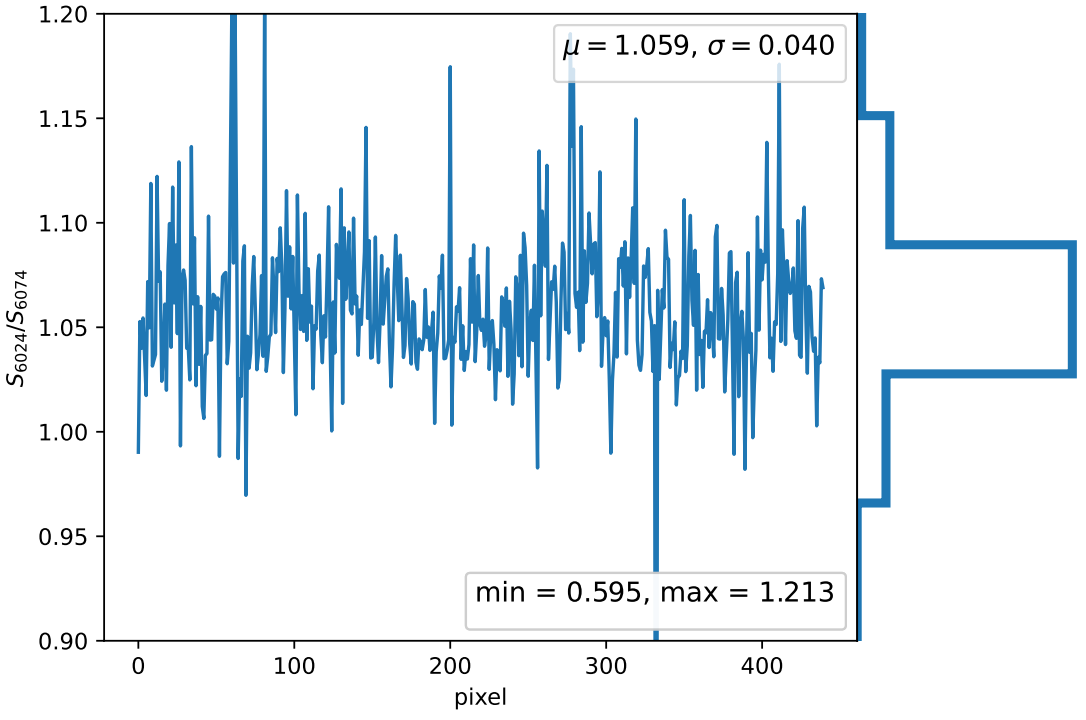
Heat #3 XY run


$C^{XY}_{6031x}/C^{XY}_{6066}$
1.5
1.4
1.3
1.2
1.1

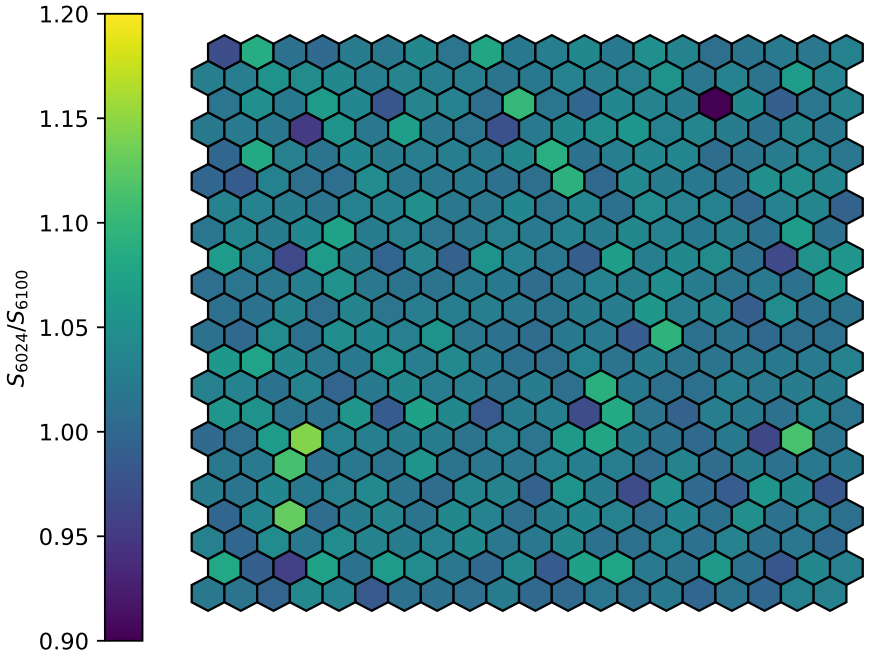

$\mu = 1.198, \sigma = 0.065$
min = 1.034, max = 1.573
$C^{XY}_{6031x}/C^{XY}_{6066}$
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0
100
200
300
400
pixel

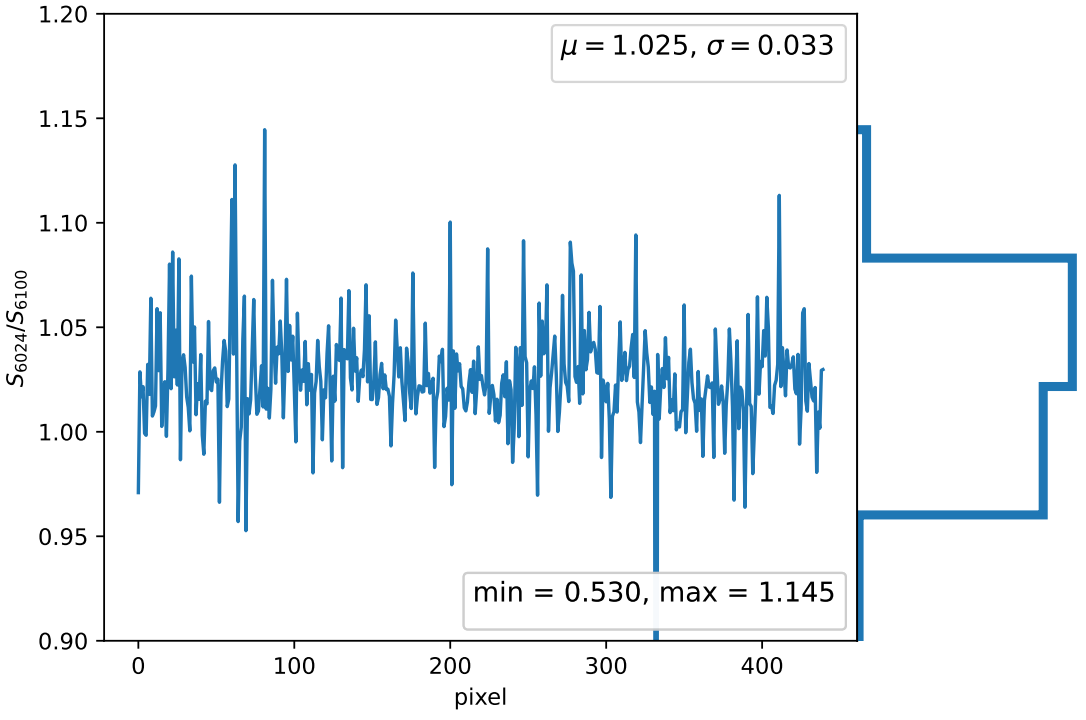
Heat #2 first CalA run



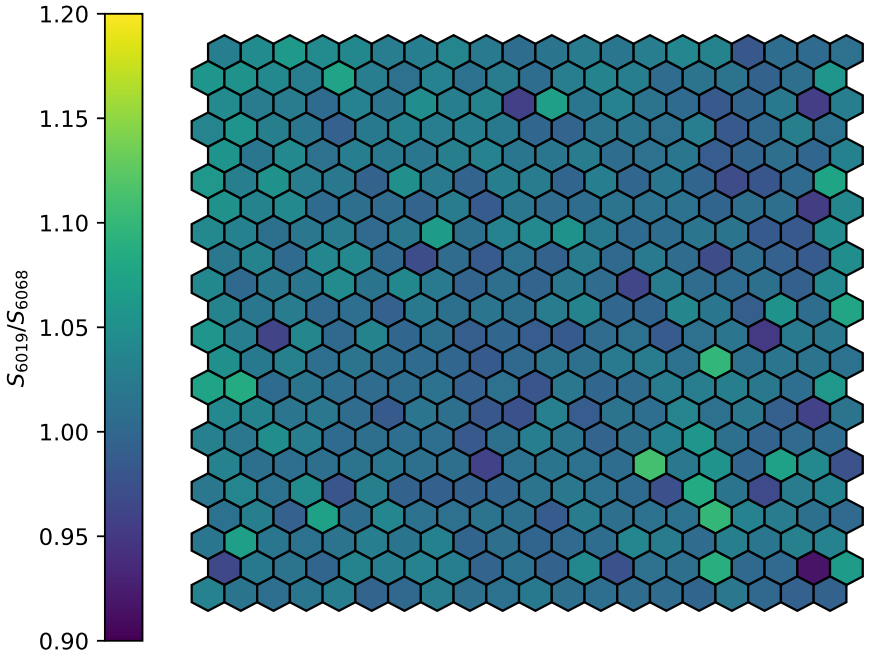


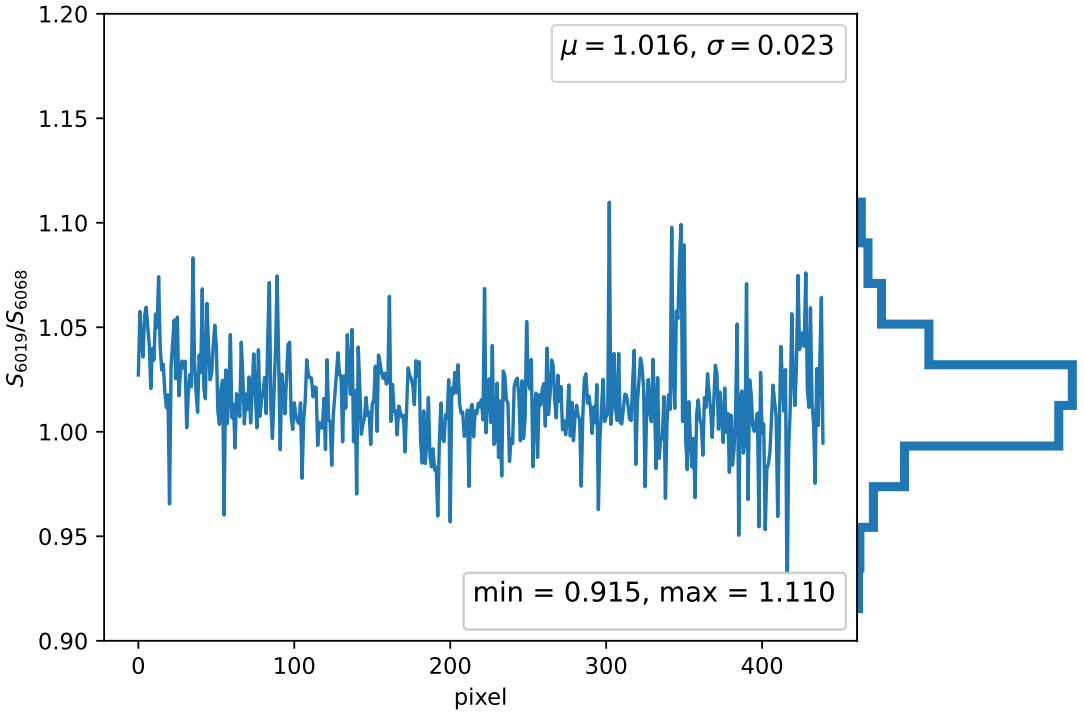
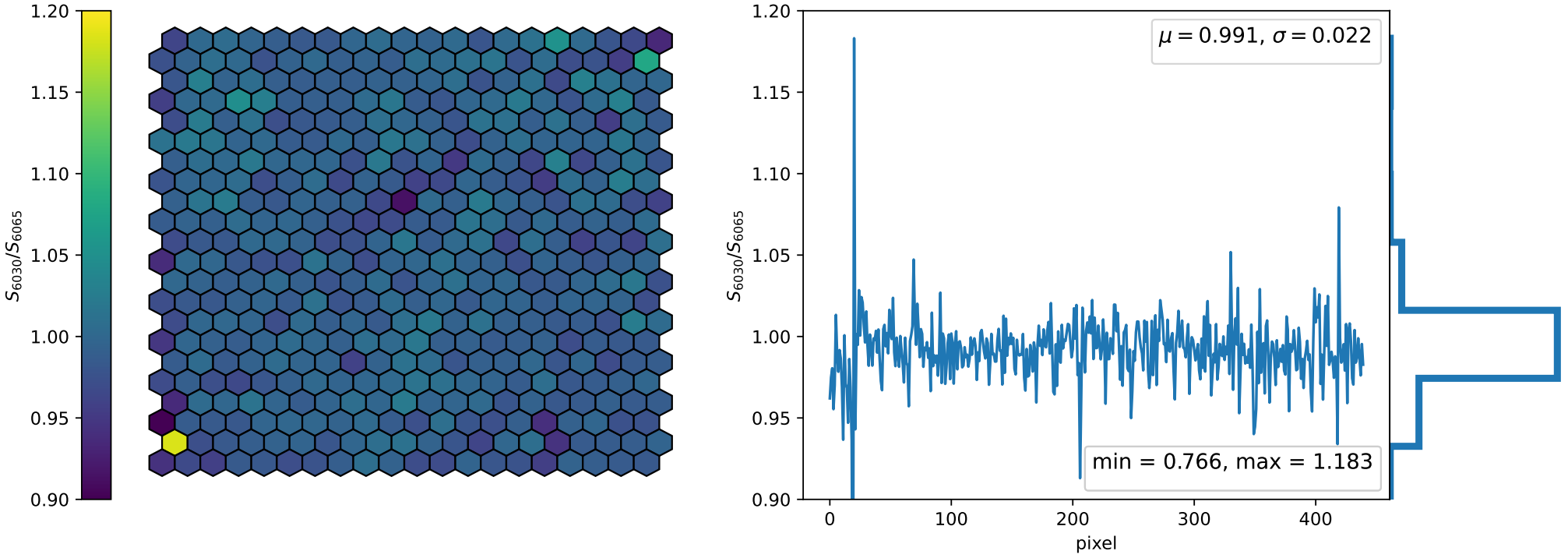
Heat #2 second CalA run





Heat #1 CalA run





Heat #3 CalA run