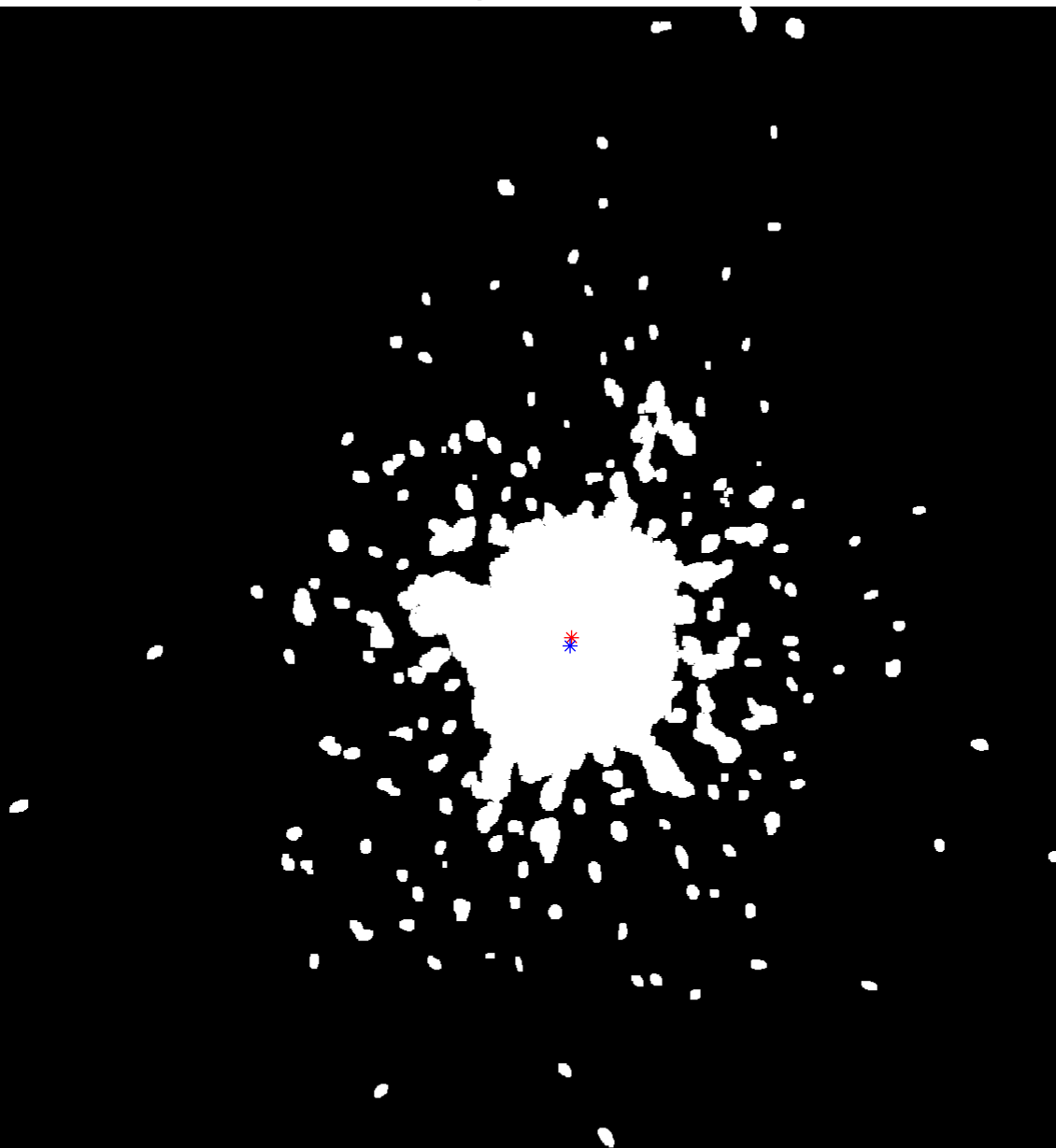
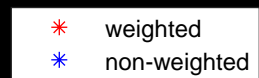


spheroid centroid

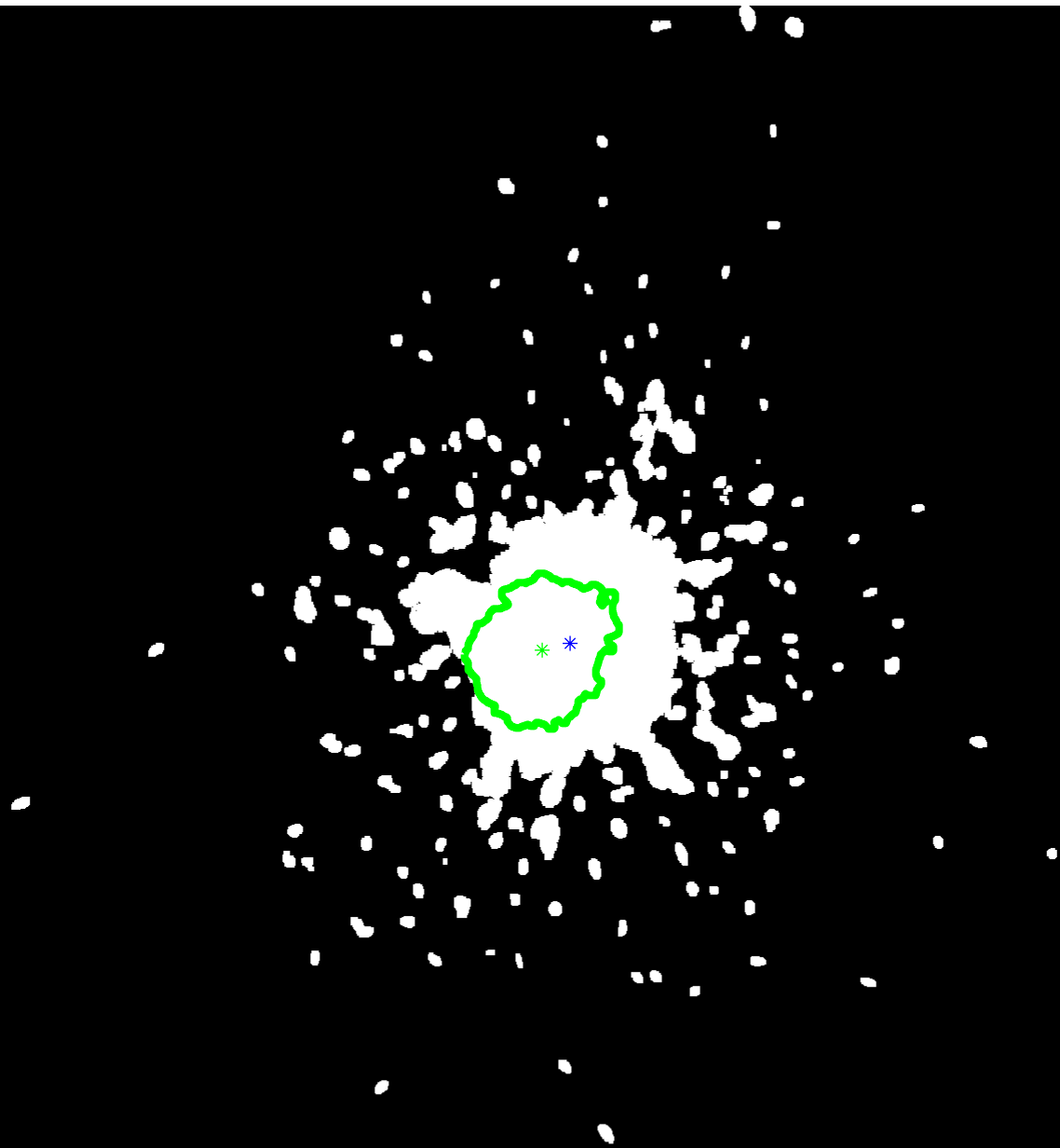
\* weighted  
\* non-weighted



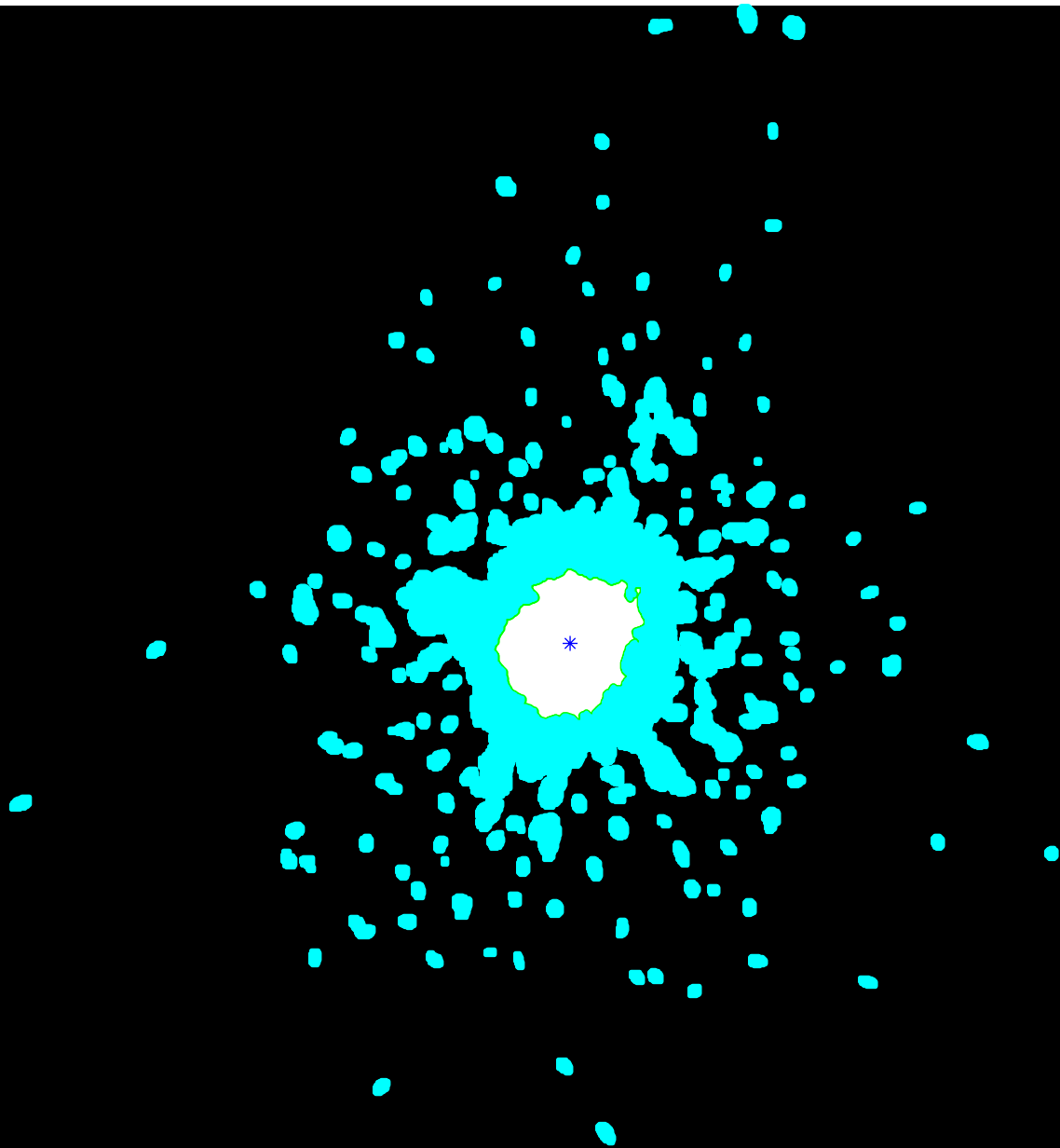
spheroid centroid



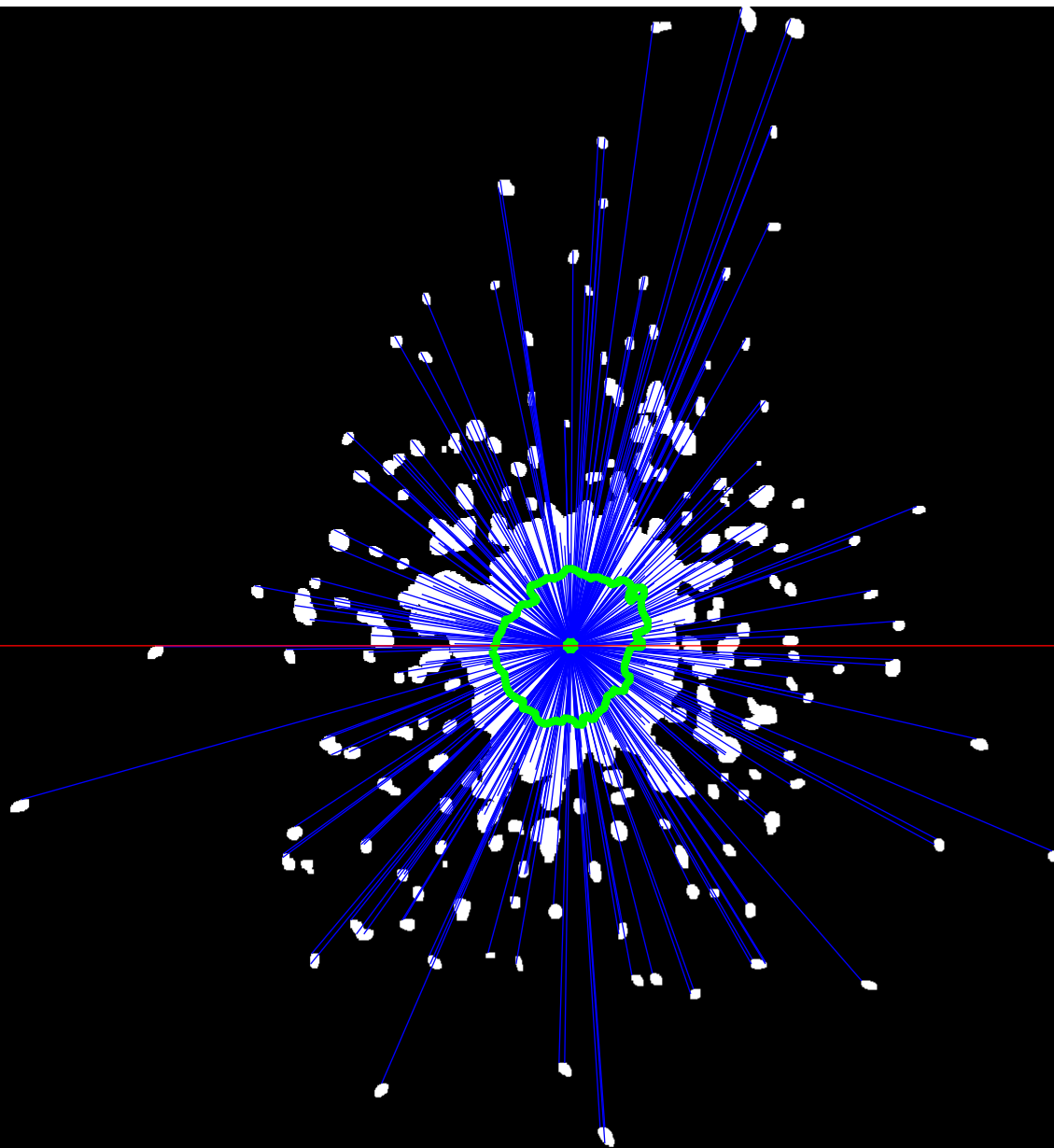
uncentered boundary



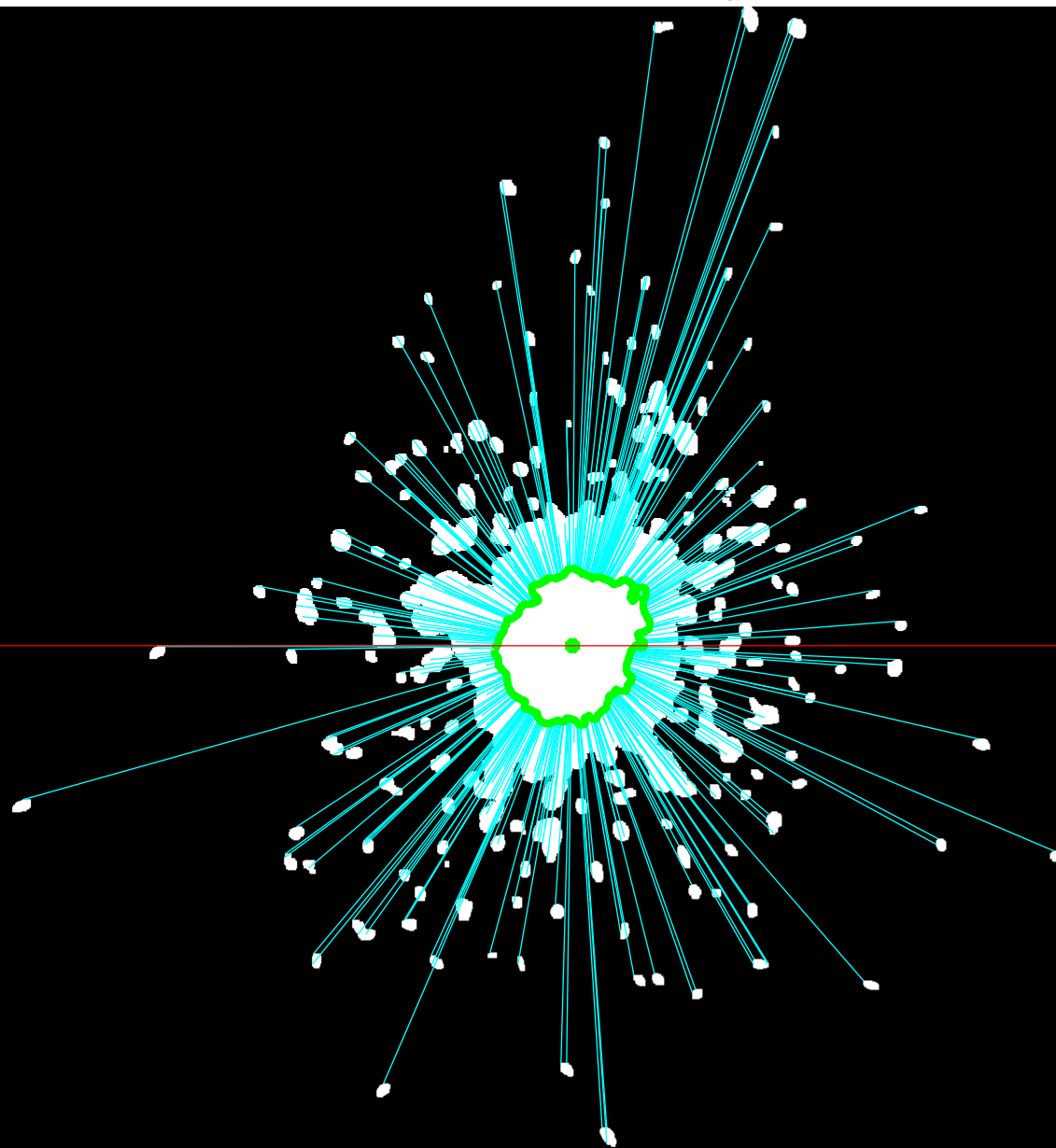
centered boundary and outer pixels



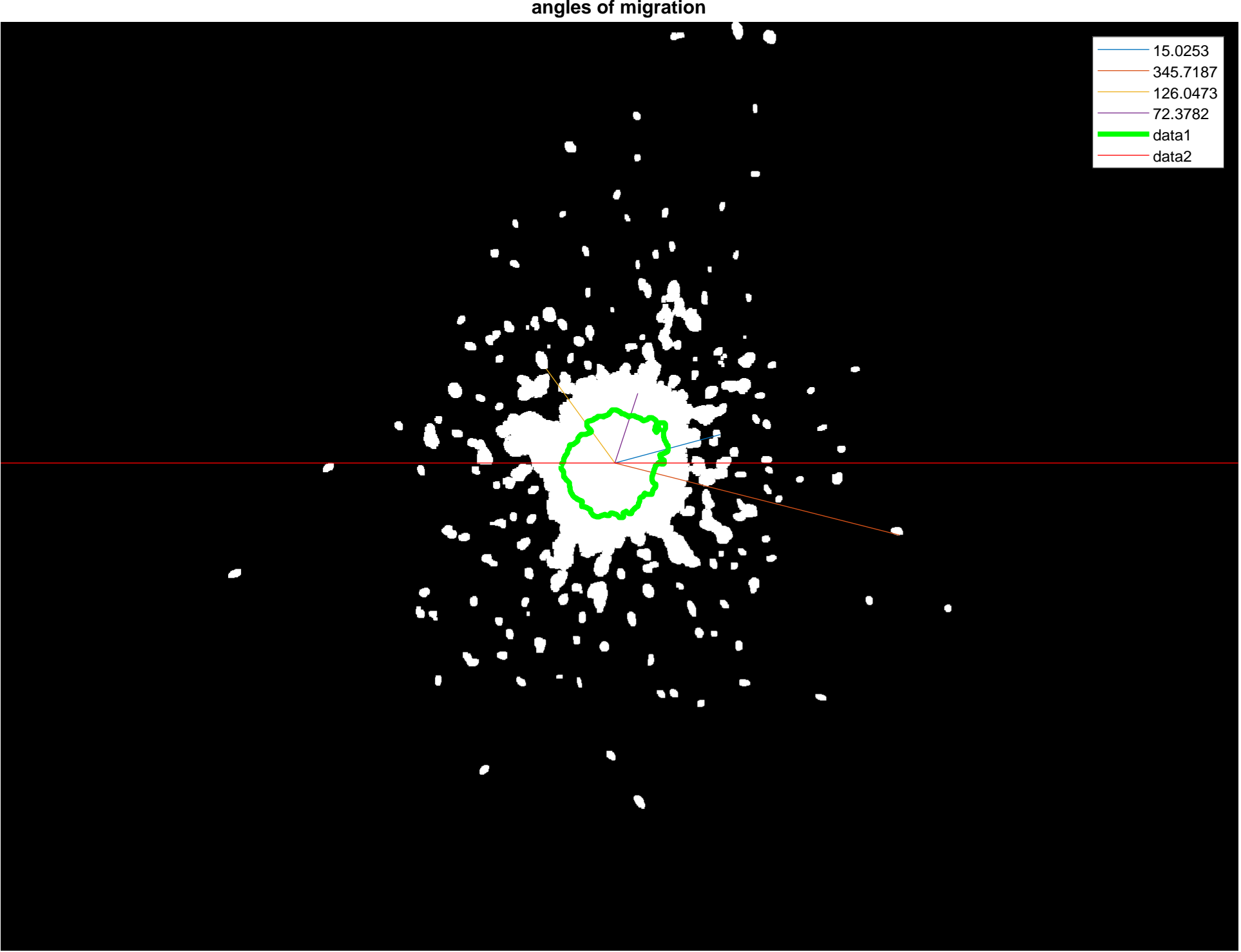
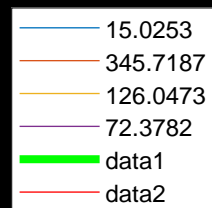
distances from center



distances from boundary

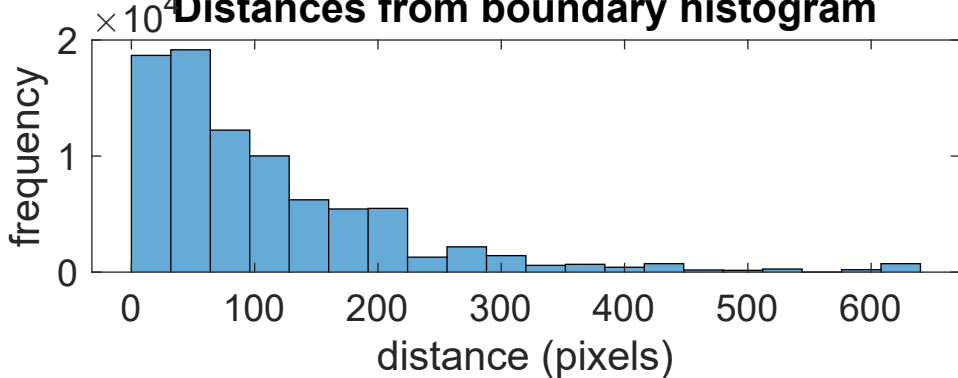


angles of migration

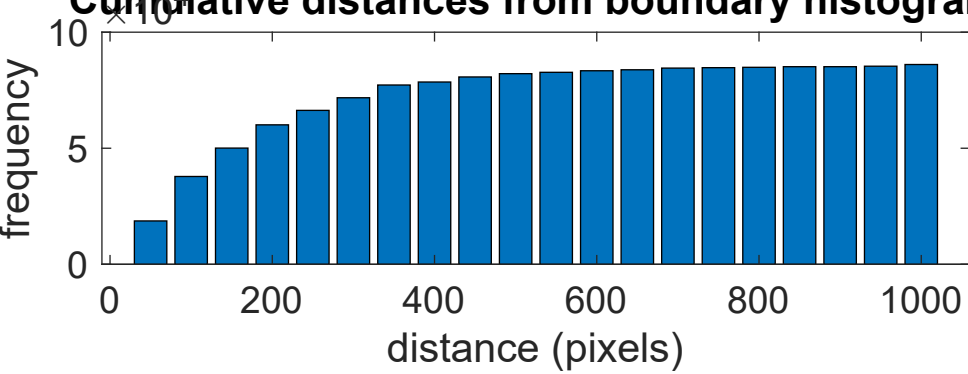




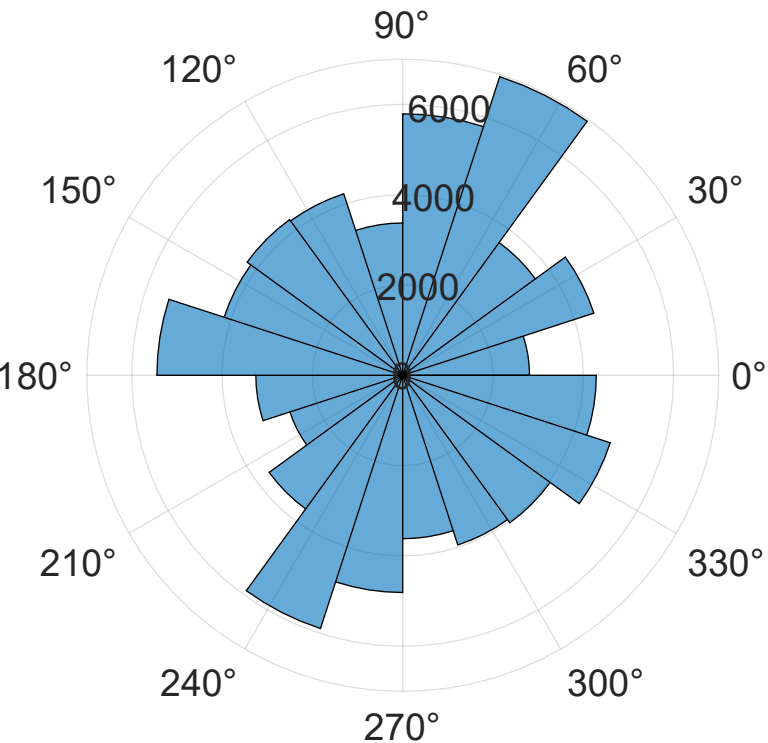
**Distances from boundary histogram**

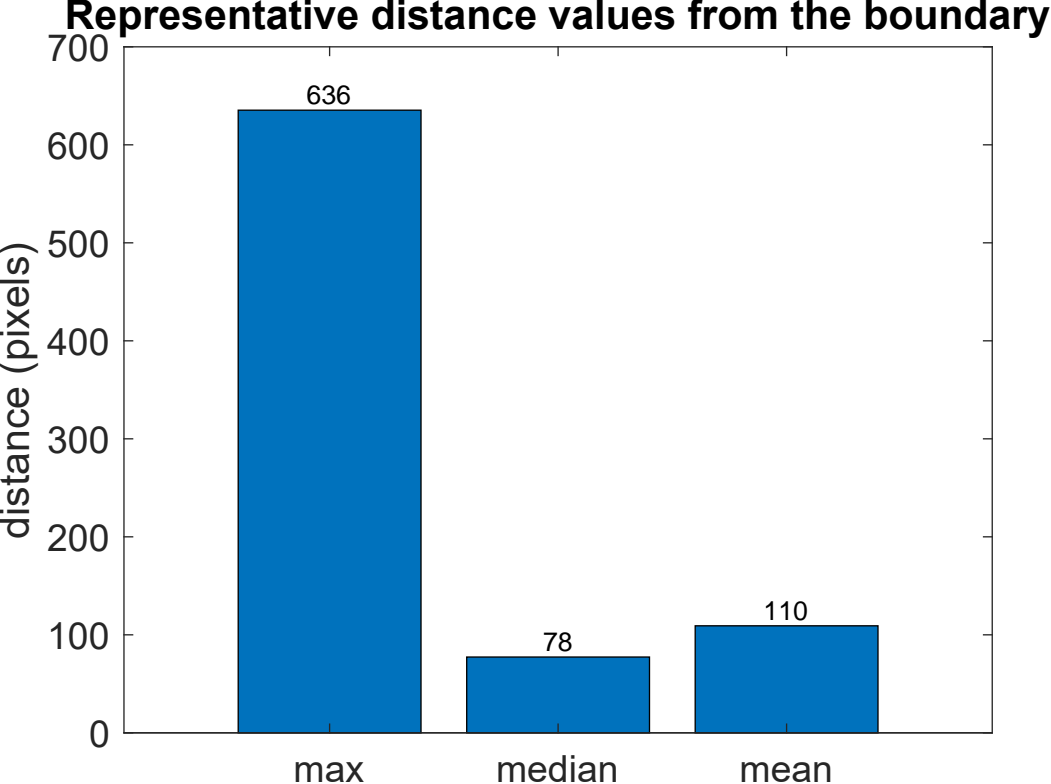


**Cumulative distances from boundary histogram**

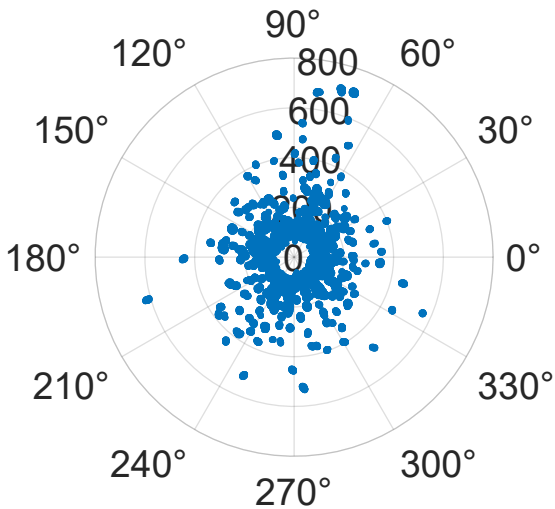


# Angles histogram

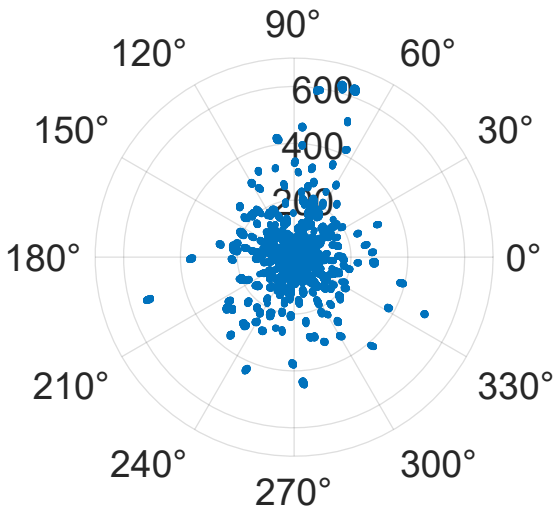




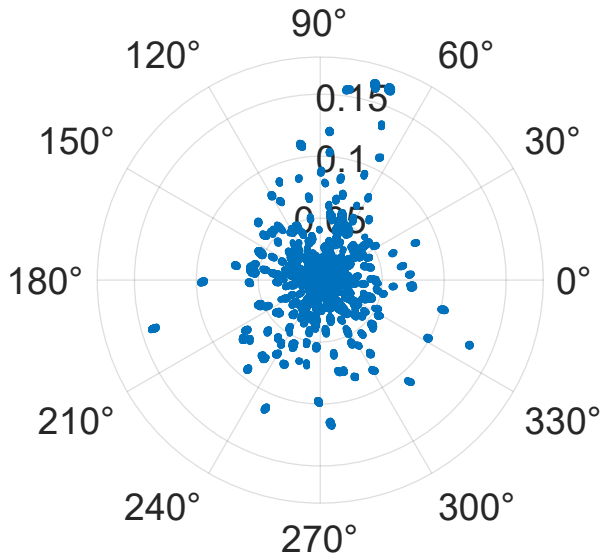
# Distances from spheroid center (pixels) vs migration angle

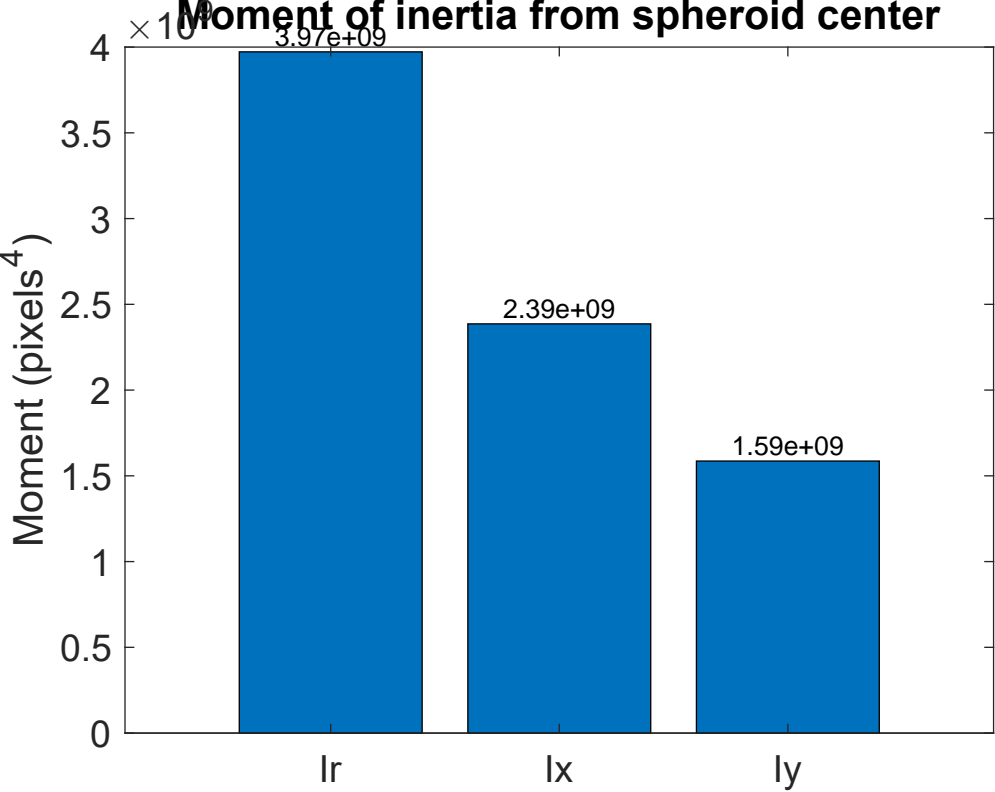


# Distances from spheroid boundary (pixels) vs migration angle



# Persistence speed (um/min) vs migration angle





# Moment of inertia from spheroid boundary

Moment (pixels<sup>4</sup>)

2.5  
2  
1.5  
1  
0.5  
0

2.01e+09

1.27e+09

7.39e+08

lr

lx

ly

