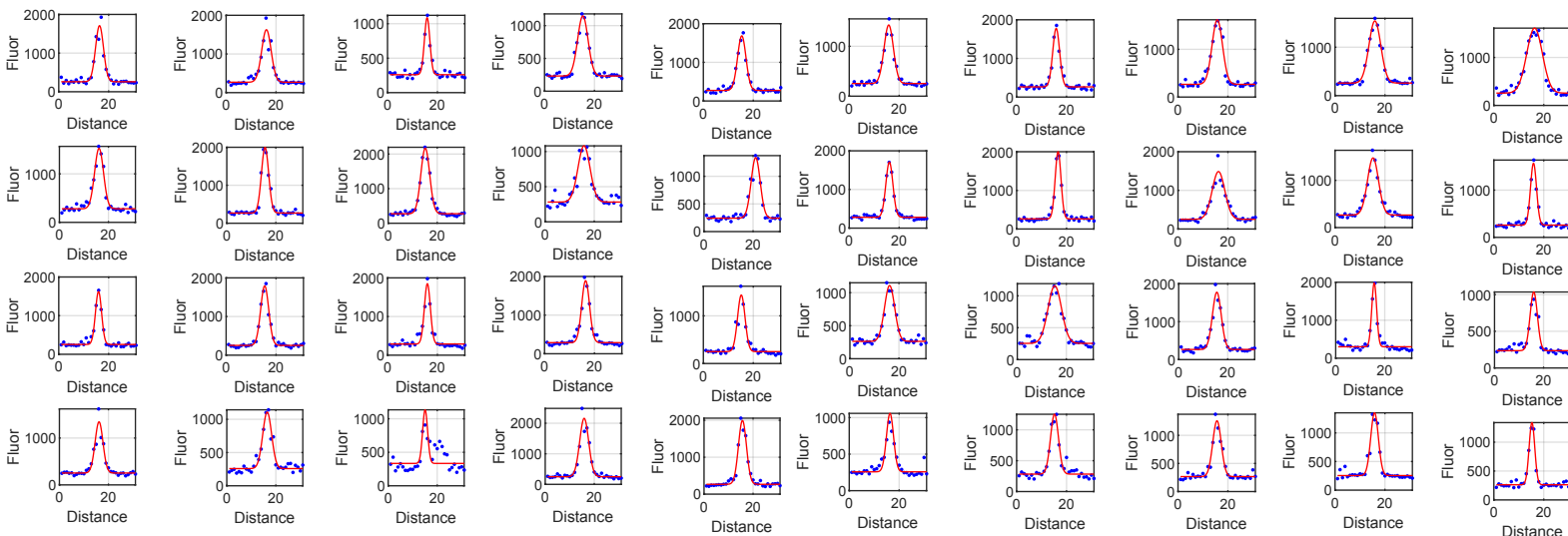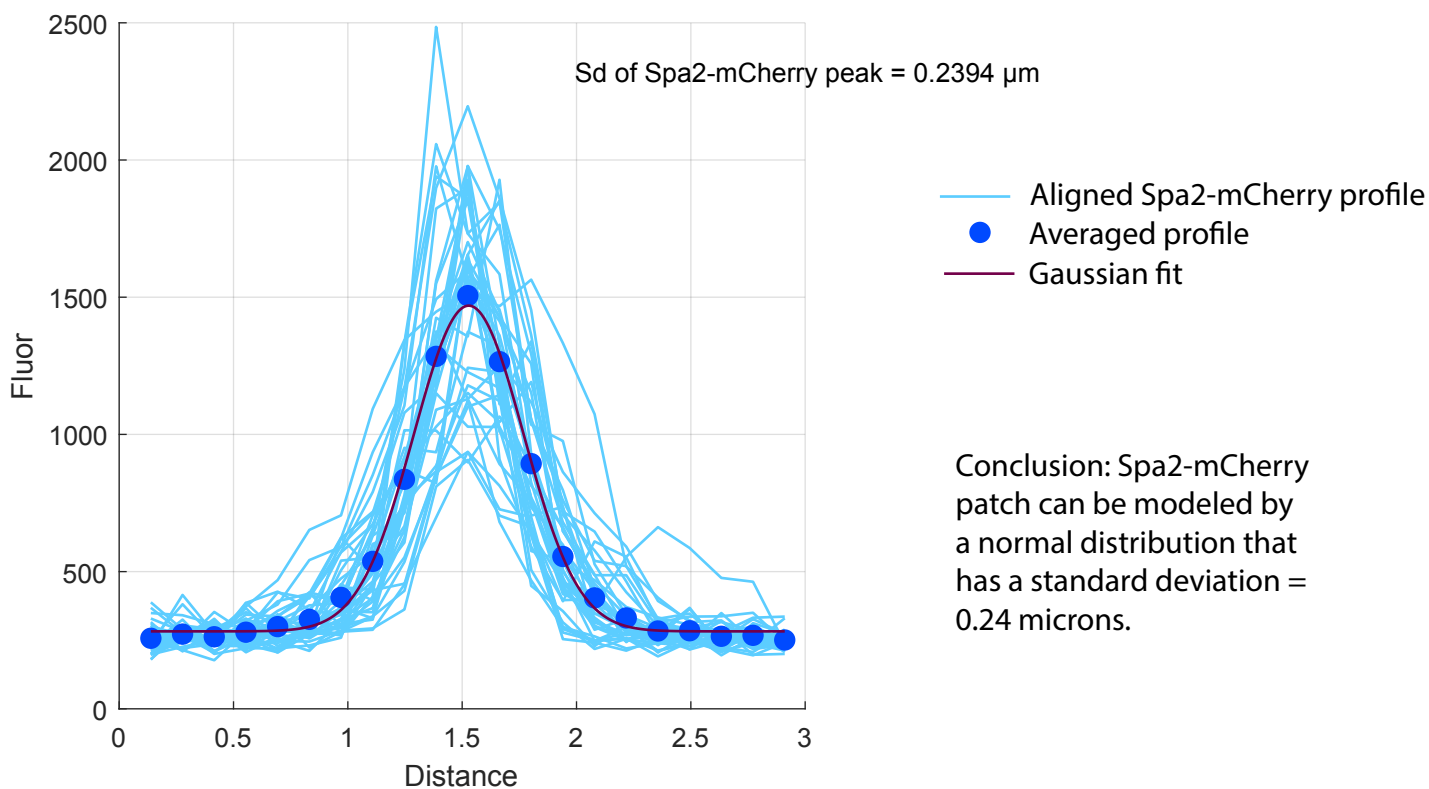Determining size of Spa2-mCherry patch in dly18172. Used image from 20160206_PDGGT-exp3_dly18172_dly18274_alpha0nM_488_561_merged.tif. Code in 20190113_SETMAW-P_Treadmill\IN\MeasureGaussianAroundActinCable.

Picked points that were close to patch in images of cells with Spa2-mCherry. Performed sweeps along x and y axes to determine where the integral of intensities was the largest along each axis. Plotted profile along that axis and fit offset gaussian to the profile.

Used centroids of fit Gaussians to align the profiles. Then fit another offset gaussian to averaged profile to generate charateristics of Spa2-mCherry patch.

Sd of Spa2-mCherry peak = 0.2394 µm

— Aligned Spa2-mCherry profile
● Averaged profile
— Gaussian fit

Conclusion: Spa2-mCherry patch can be modeled by a normal distribution that has a standard deviation = 0.24 microns.