

PSFj Report

Mon Oct 17 13:27:32 PDT 2022

Microscope infos (Nikon 40x1.15 water) :

Emission wavelength: 500 nm

NA: 1.15

n: 1.33

Voxel size: 220 nm (x) x220 nm (y) x220 nm (z)

Bead diameter : 100 nm

Summary

FWHM	Bead size corrected (median)	Theoretical
min	425 nm +/- 17 nm	223 nm
max	582 nm +/- 59 nm	223 nm
Z	1.38 um +/- 114.79 nm	885 nm

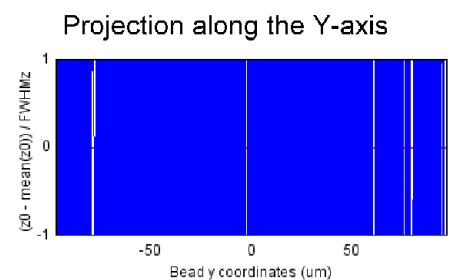
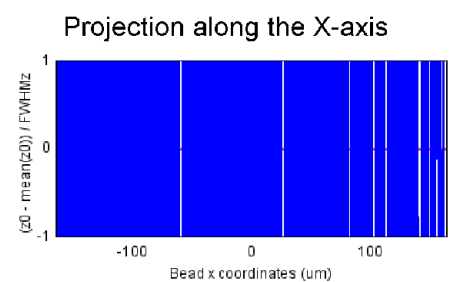
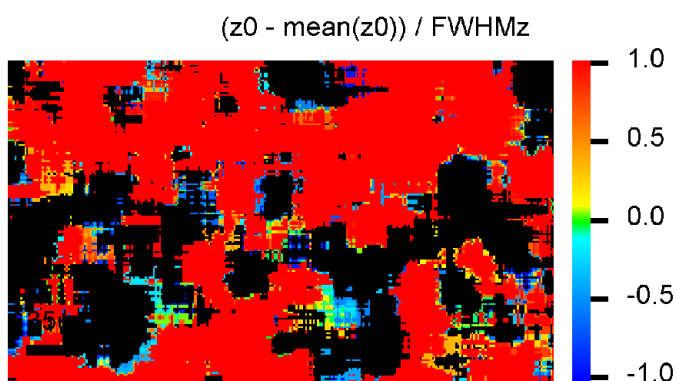
Other	
Planarity	+/- 8.19 um
Asymmetry	0.743 +/- 0.066

2577 beads used for statistics : 3187 detected, 3187 analyzed, 610 filtered out after analysis.

Substack size : 10 pixels

Detection threshold : 222

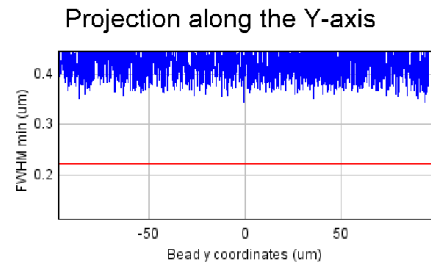
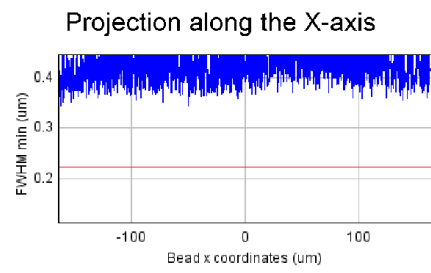
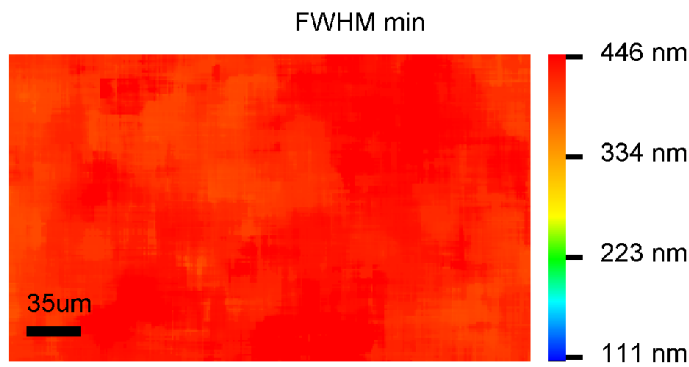
Planarity



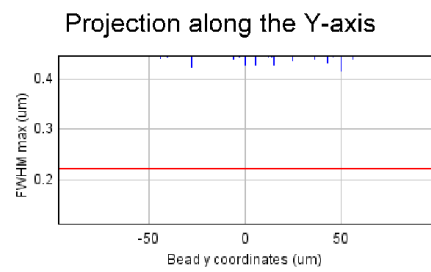
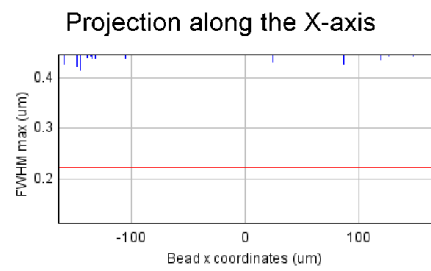
File List :

- data_traditional.tif : 3187 beads detected, 3187 beads analyzed, 610 filtered out

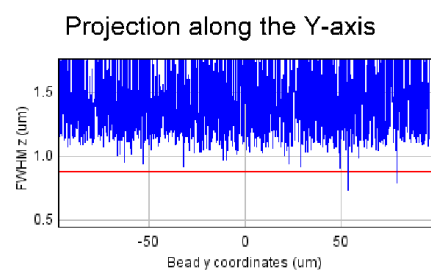
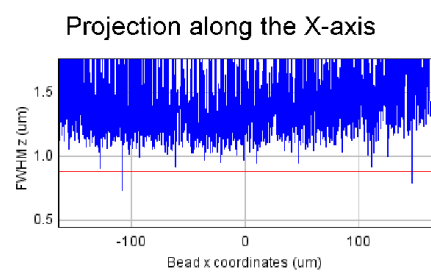
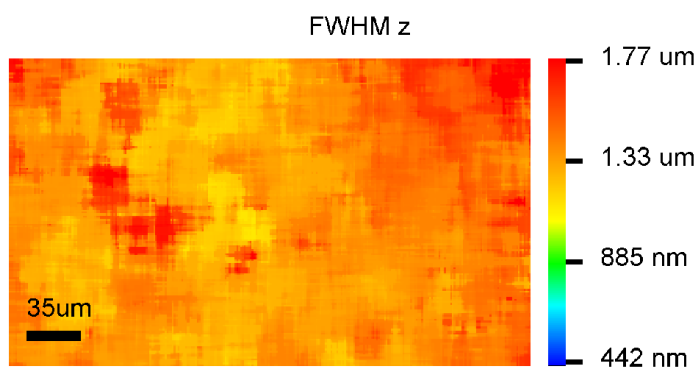
FWHM min



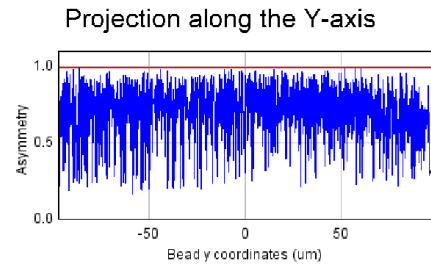
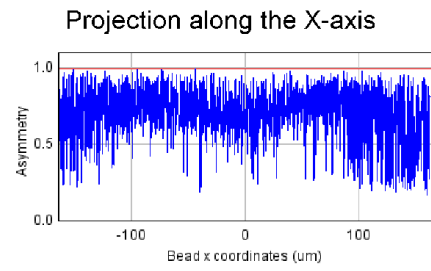
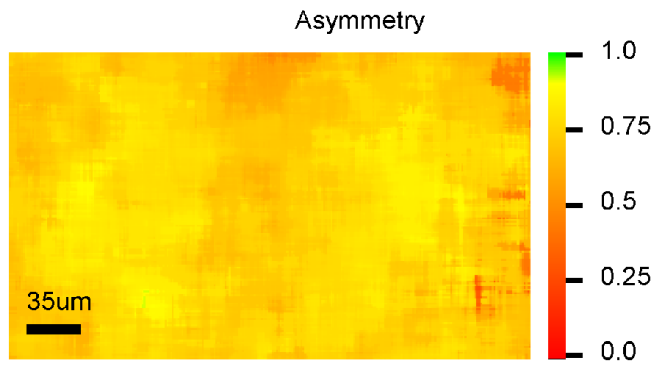
FWHM max



FWHM z



Asymmetry



Asymmetry weighed Theta

Asymmetry weighed Theta

