

PSFj Report

Mon Oct 17 13:50:15 PDT 2022

Microscope infos (Nikon 40x0.95 air) :

Emission wavelength: 500 nm

NA: 0.95

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	422 nm +/- 11 nm	270 nm
max	550 nm +/- 36 nm	270 nm
Z	2.08 um +/- 72.03 nm	1.3 um

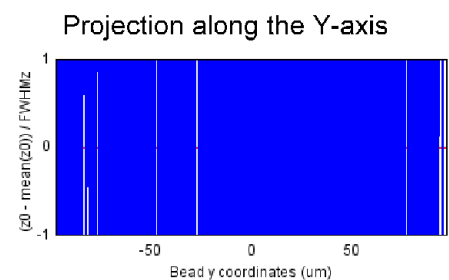
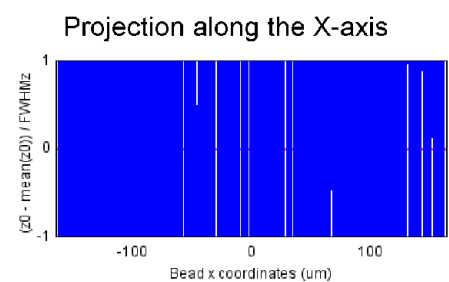
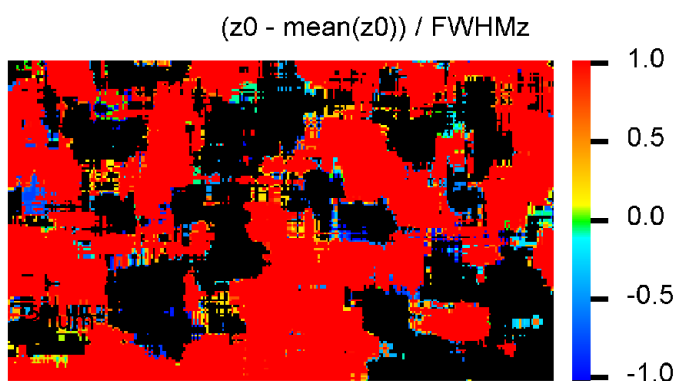
Other	
Planarity	+/- 8.33 um
Asymmetry	0.772 +/- 0.054

2716 beads used for statistics : 3894 detected, 3894 analyzed, 1178 filtered out after analysis.

Substack size : 12 pixels

Detection threshold : 197

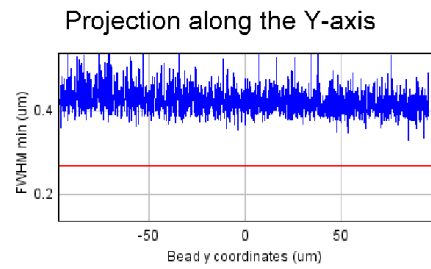
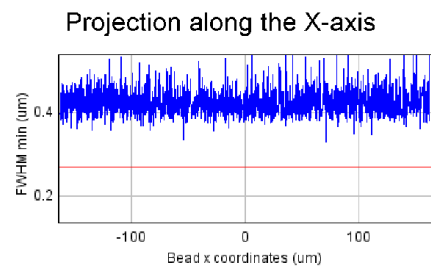
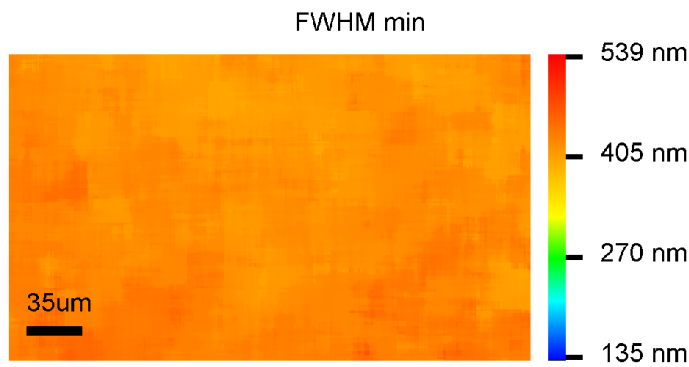
Planarity



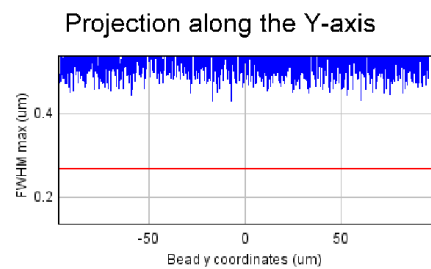
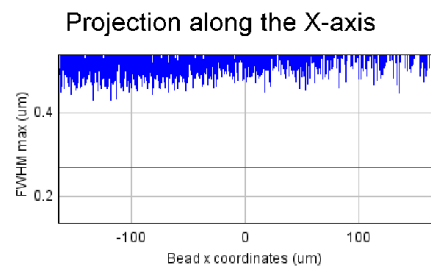
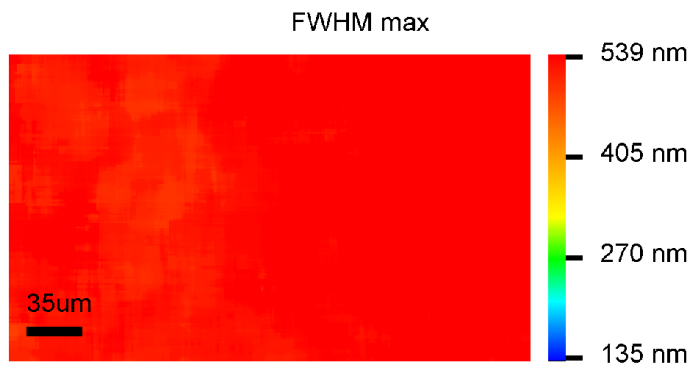
File List :

- data_traditional.tif : 3894 beads detected, 3894 beads analyzed, 1178 filtered out

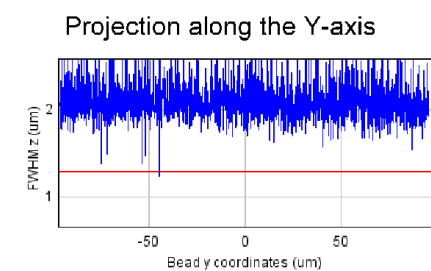
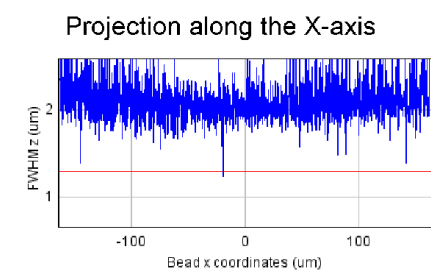
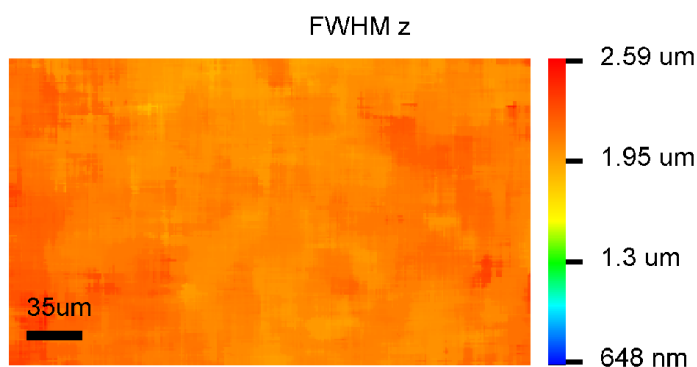
FWHM min



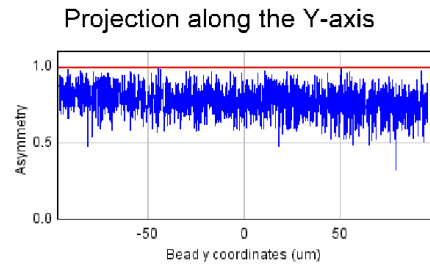
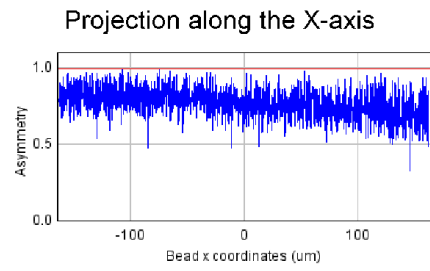
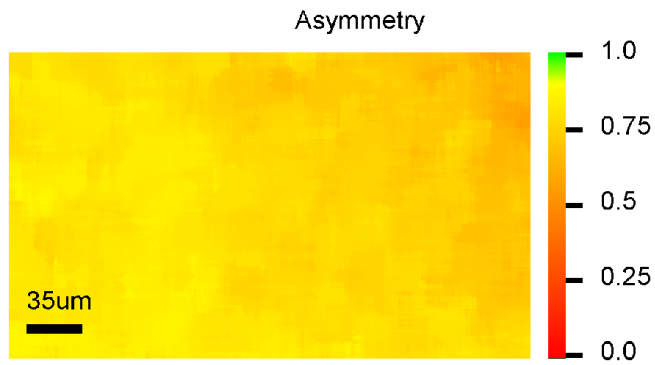
FWHM max



FWHM z



Asymmetry



Asymmetry weighed Theta

Asymmetry weighed Theta

