

Bead 901

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

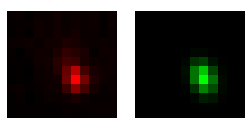
Coordinates : 127 μm (x), -33.7 μm (y), 18.5 μm (z)

Corresponding bead : Not found

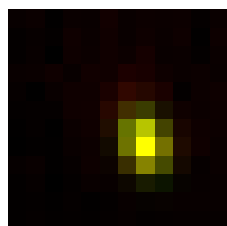
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	565 nm	588 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.702		
Theta	-71.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.952$



Parameters:

A = 562.409 (brightness)

B = 125.134 (background)

a = 0.810 px

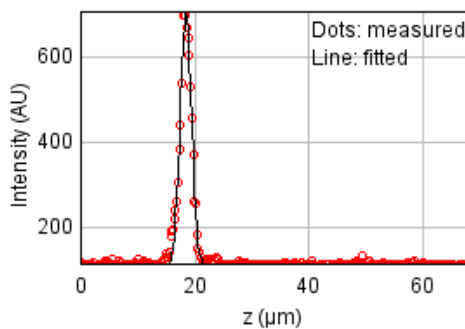
b = -0.131 px

c = 0.464 px

xc = 6.953 px

yc = 6.765 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 34897.2225

Standard deviation: 10.66169

R^2 : 0.98687

Parameters:

a = 113.40801

b = 706.41604

c = 18.52839

d = 0.97524

Bead 902

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

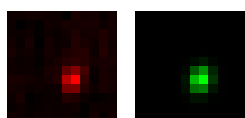
Coordinates : -163 μm (x), -64.1 μm (y), 17.6 μm (z)

Corresponding bead : Not found

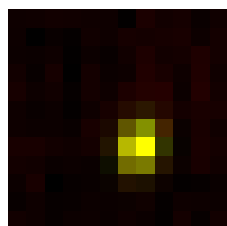
FWHM	Non corrected	Corrected	Theoretical
min	368 nm	384 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.792		
Theta	73.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.939$



Parameters:

$A = 284.254$ (brightness)

$B = 114.055$ (background)

$a = 0.959$ px

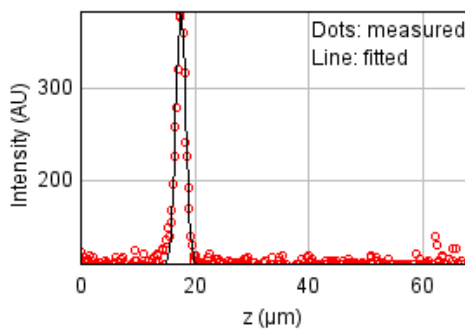
$b = 0.102$ px

$c = 0.652$ px

$x_c = 6.671$ px

$y_c = 6.983$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 19063.8229

Standard deviation: 7.88017

$R^2: 0.96192$

Parameters:

$a = 110.86149$

$b = 382.00187$

$c = 17.62529$

$d = 0.85089$

Bead 903

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

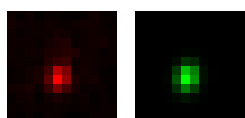
Coordinates : -122 μm (x), -71.1 μm (y), 13.8 μm (z)

Corresponding bead : Not found

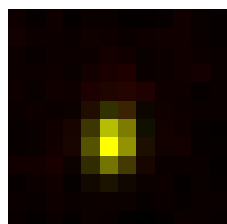
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.782		
Theta	78.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.966$



Parameters:

$A = 418.888$ (brightness)

$B = 120.278$ (background)

$a = 0.847$ px

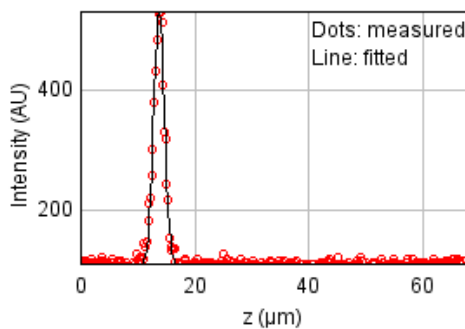
$b = 0.068$ px

$c = 0.542$ px

$x_c = 5.189$ px

$y_c = 6.753$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 21722.0521

Standard deviation: 8.41165

$R^2: 0.98285$

Parameters:

$a = 111.91440$

$b = 530.87912$

$c = 13.81746$

$d = 0.92496$

Bead 904

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

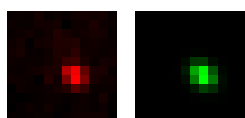
Coordinates : -105 μm (x), 90.9 μm (y), 17.9 μm (z)

Corresponding bead : Not found

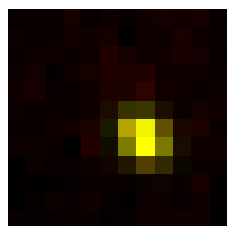
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.794		
Theta	-47.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.956$



Parameters:

$A = 306.061$ (brightness)

$B = 117.978$ (background)

$a = 0.751$ px

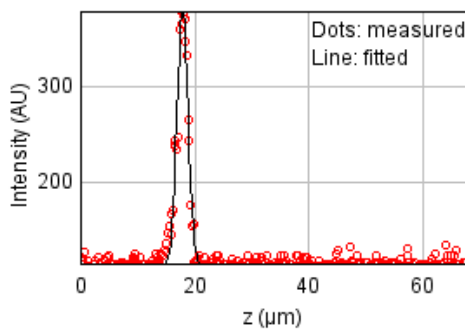
$b = -0.167$ px

$c = 0.727$ px

$x_c = 6.878$ px

$y_c = 6.503$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23819.6952

Standard deviation: 8.80844

$R^2: 0.95642$

Parameters:

$a = 113.58198$

$b = 380.62263$

$c = 17.93607$

$d = 0.95798$

Bead 905

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

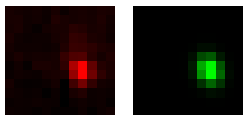
Coordinates : -152 μm (x), 81.0 μm (y), 18.6 μm (z)

Corresponding bead : Not found

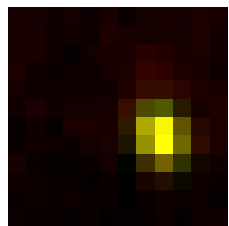
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	540 nm	563 nm	270 nm
z	3.15 μm	3.16 μm	1.3 μm
Asymmetry	0.779		
Theta	-70.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.935$



Parameters:

$A = 372.315$ (brightness)

$B = 121.933$ (background)

$a = 0.725$ px

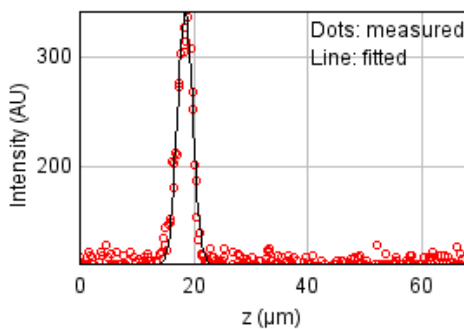
$b = -0.093$ px

$c = 0.492$ px

$x_c = 7.822$ px

$y_c = 6.504$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24651.6175

Standard deviation: 8.96094

$R^2: 0.95585$

Parameters:

$a = 111.55963$

$b = 342.45054$

$c = 18.56991$

$d = 1.33600$

Bead 906

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

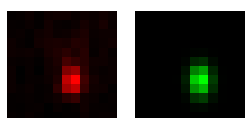
Coordinates : 17.7 μm (x), 68.7 μm (y), 18.5 μm (z)

Corresponding bead : Not found

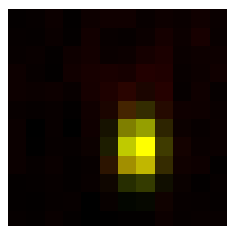
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	578 nm	602 nm	270 nm
z	1.88 μm	1.88 μm	1.3 μm
Asymmetry	0.689		
Theta	-89.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.950$



Parameters:

$A = 425.411$ (brightness)

$B = 119.580$ (background)

$a = 0.846$ px

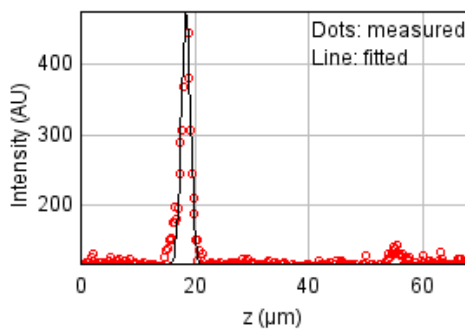
$b = -0.006$ px

$c = 0.402$ px

$x_c = 6.640$ px

$y_c = 7.084$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 36585.4134

Standard deviation: 10.91653

$R^2 = 0.95588$

Parameters:

$a = 116.77178$

$b = 475.72942$

$c = 18.53616$

$d = 0.79667$

Bead 907 (Rejected)

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -129 μm (x), -12.0 μm (y), 17.0 μm (z)

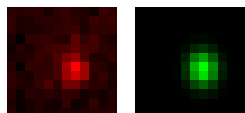
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

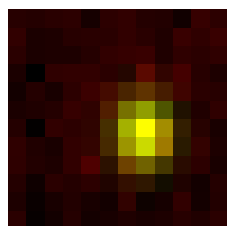
FWHM	Non corrected	Corrected	Theoretical
min	533 nm	555 nm	270 nm
max	655 nm	682 nm	270 nm
z	2.06 μm	2.06 μm	1.3 μm
Asymmetry	0.813		
Theta	-87.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.850$



Parameters:

A = 122.466 (brightness)

B = 116.568 (background)

a = 0.473 px

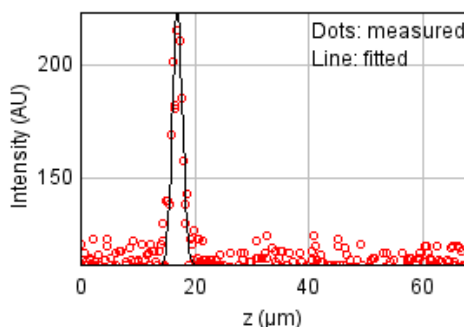
b = -0.007 px

c = 0.313 px

xc = 6.879 px

yc = 6.249 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 14535.6034

Standard deviation: 6.88093

R^2 : 0.85047

Parameters:

a = 112.35044

b = 223.31705

c = 17.04085

d = 0.87324

Bead 908

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

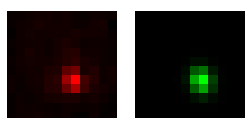
Coordinates : -44.9 μm (x), -18.6 μm (y), 18.3 μm (z)

Corresponding bead : Not found

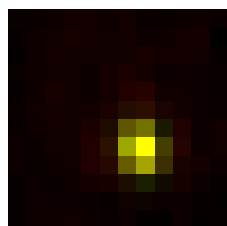
FWHM	Non corrected	Corrected	Theoretical
min	379 nm	395 nm	270 nm
max	467 nm	487 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.811		
Theta	-76.0°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.949$



Parameters:

A = 517.328 (brightness)

B = 122.081 (background)

a = 0.916 px

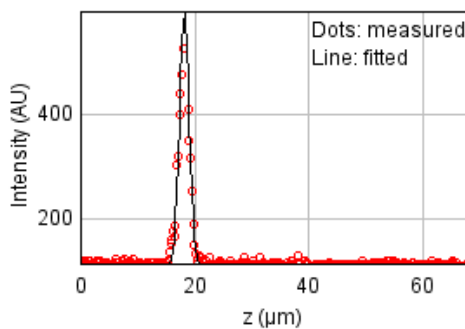
b = -0.075 px

c = 0.633 px

xc = 6.741 px

yc = 7.113 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 42093.1963

Standard deviation: 11.70946

R^2 : 0.97303

Parameters:

a = 113.29420

b = 598.12422

c = 18.26547

d = 0.83859

Bead 909 (Rejected)

Date : Mon Oct 17 13:51:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -31.2 μm (x), -32.9 μm (y), 57.3 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

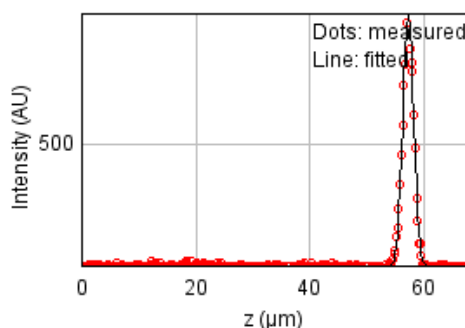
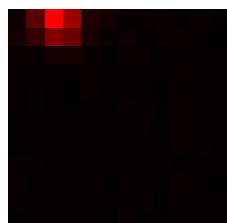
XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $y = a + (b-a) \cdot \exp(-(x-c)^2/(2 \cdot d^2))$

Z profile & fitting parameters:



Fitted on $y = a + (b-a) \cdot \exp(-(x-c)^2/(2 \cdot d^2))$

Sum of residuals squared: 28891.5815

Standard deviation: 9.70100

R²: 0.99378

Parameters:

a = 116.05072

b = 915.51522

c = 57.30257

d = 0.94274

Bead 910 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 33.8 μm (x), -81.5 μm (y), 16.2 μm (z)

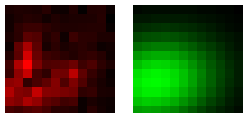
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

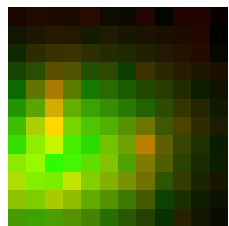
FWHM	Non corrected	Corrected	Theoretical
min	1.66 μm	1.73 μm	270 nm
max	2.35 μm	2.45 μm	270 nm
z	1.24 μm	1.24 μm	1.3 μm
Asymmetry	0.709		
Theta	11.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.590$



Parameters:

A = 69.941 (brightness)

B = 112.439 (background)

a = 0.025 px

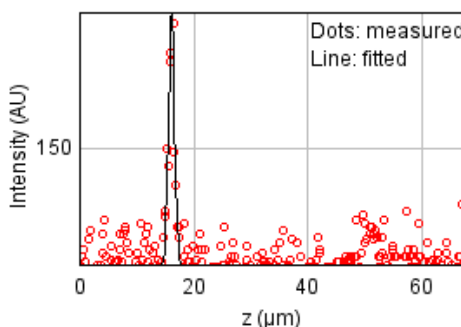
b = 0.005 px

c = 0.047 px

xc = 1.802 px

yc = 7.856 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 12387.0405

Standard deviation: 6.35206

R^2 : 0.67500

Parameters:

a = 113.91551

b = 193.00498

c = 16.18954

d = 0.52492

Bead 911

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

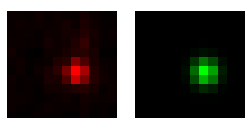
Coordinates : -114 μm (x), -82.4 μm (y), 18.4 μm (z)

Corresponding bead : Not found

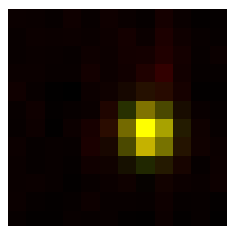
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	467 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.16 μm	2.16 μm	1.3 μm
Asymmetry	0.932		
Theta	-86.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.952$



Parameters:

$A = 460.948$ (brightness)

$B = 120.557$ (background)

$a = 0.666$ px

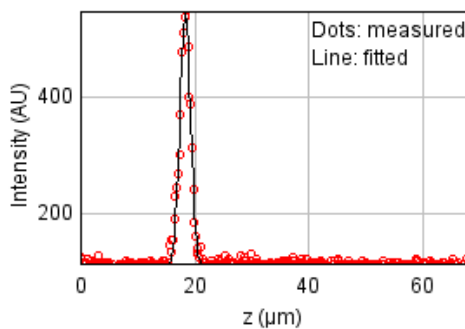
$b = -0.005$ px

$c = 0.580$ px

$x_c = 7.160$ px

$y_c = 6.190$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 22618.2431

Standard deviation: 8.58342

$R^2: 0.98345$

Parameters:

$a = 111.92909$

$b = 549.46425$

$c = 18.42004$

$d = 0.91528$

Bead 912

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

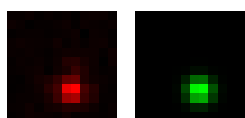
Coordinates : -93.6 μm (x), -84.8 μm (y), 13.9 μm (z)

Corresponding bead : Not found

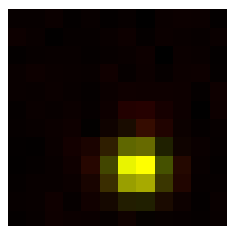
FWHM	Non corrected	Corrected	Theoretical
min	456 nm	475 nm	270 nm
max	473 nm	492 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.965		
Theta	-12.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.962$



Parameters:

$A = 511.902$ (brightness)

$B = 123.020$ (background)

$a = 0.603$ px

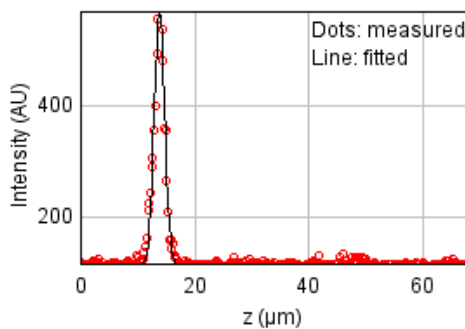
$b = -0.009$ px

$c = 0.643$ px

$x_c = 6.542$ px

$y_c = 8.178$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 32920.7569

Standard deviation: 10.35537

$R^2: 0.97780$

Parameters:

$a = 113.97837$

$b = 569.69540$

$c = 13.88702$

$d = 0.90993$

Bead 913 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -121 μm (x), 88.3 μm (y), 18.7 μm (z)

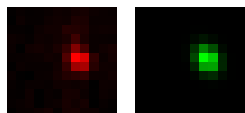
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

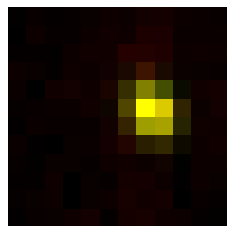
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	509 nm	531 nm	270 nm
z	6.31 μm	6.34 μm	1.3 μm
Asymmetry	0.788		
Theta	-62.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.956$



Parameters:

A = 399.328 (brightness)

B = 124.879 (background)

a = 0.763 px

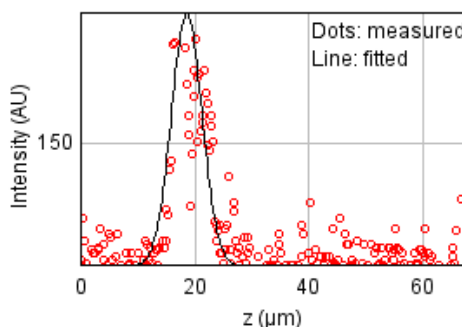
b = -0.130 px

c = 0.586 px

xc = 7.375 px

yc = 5.170 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 35628.3868

Standard deviation: 10.77281

R^2 : 0.76323

Parameters:

a = 112.11107

b = 190.76531

c = 18.66909

d = 2.68007

Bead 914

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

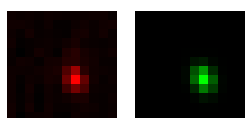
Coordinates : -73.9 μm (x), 80.7 μm (y), 15.0 μm (z)

Corresponding bead : Not found

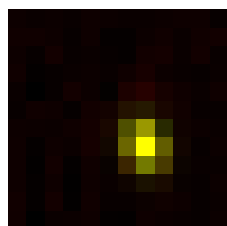
FWHM	Non corrected	Corrected	Theoretical
min	363 nm	379 nm	270 nm
max	480 nm	500 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.757		
Theta	-70.0°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.963$



Parameters:

A = 354.040 (brightness)

B = 118.306 (background)

a = 0.965 px

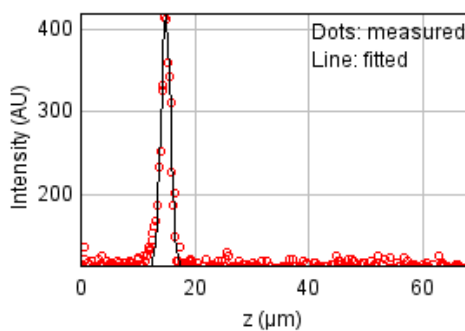
b = -0.139 px

c = 0.633 px

xc = 6.959 px

yc = 6.903 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25461.1516

Standard deviation: 9.10688

R^2 : 0.95942

Parameters:

a = 113.35724

b = 418.40660

c = 14.99674

d = 0.83983

Bead 915

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

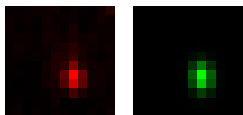
Coordinates : -24.9 μm (x), 49.8 μm (y), 18.7 μm (z)

Corresponding bead : Not found

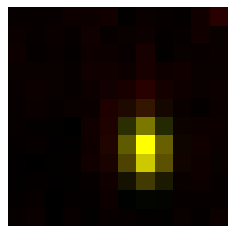
FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	520 nm	542 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.699		
Theta	-85.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.948$



Parameters:

A = 595.422 (brightness)

B = 127.034 (background)

a = 1.011 px

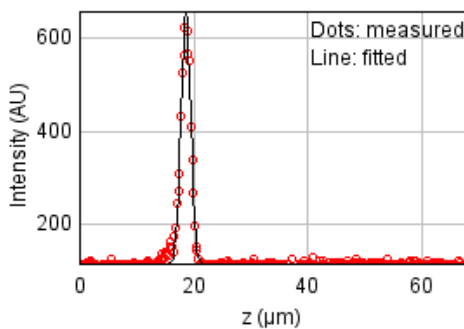
b = -0.042 px

c = 0.499 px

xc = 7.023 px

yc = 7.261 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 26141.5073

Standard deviation: 9.22776

R^2 : 0.98651

Parameters:

a = 113.71884

b = 656.54761

c = 18.69174

d = 0.84215

Bead 916

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

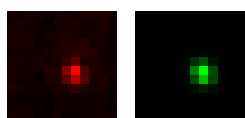
Coordinates : -107 μm (x), 44.5 μm (y), 18.2 μm (z)

Corresponding bead : Not found

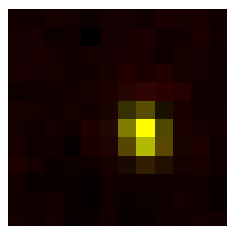
FWHM	Non corrected	Corrected	Theoretical
min	361 nm	376 nm	270 nm
max	437 nm	455 nm	270 nm
z	1.99 μm	1.99 μm	1.3 μm
Asymmetry	0.826		
Theta	-64.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.943$



Parameters:

A = 354.259 (brightness)

B = 119.645 (background)

a = 0.969 px

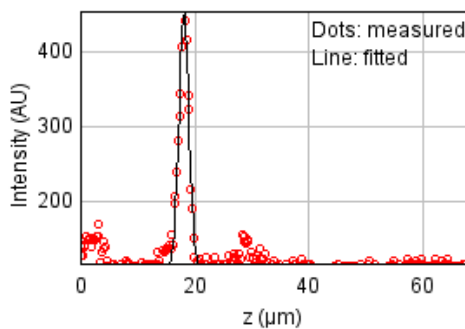
b = -0.128 px

c = 0.764 px

xc = 6.904 px

yc = 6.272 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 54569.8430

Standard deviation: 13.33236

R^2 : 0.93057

Parameters:

a = 117.86079

b = 453.41537

c = 18.18523

d = 0.84350

Bead 917 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -22.6 μm (x), 27.7 μm (y), 17.8 μm (z)

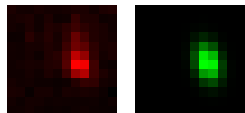
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

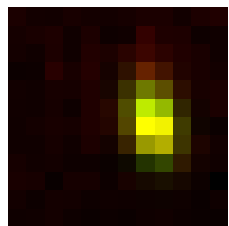
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	457 nm	270 nm
max	700 nm	729 nm	270 nm
z	2.58 μm	2.6 μm	1.3 μm
Asymmetry	0.626		
Theta	-76.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.927$



Parameters:

A = 288.972 (brightness)

B = 122.155 (background)

a = 0.676 px

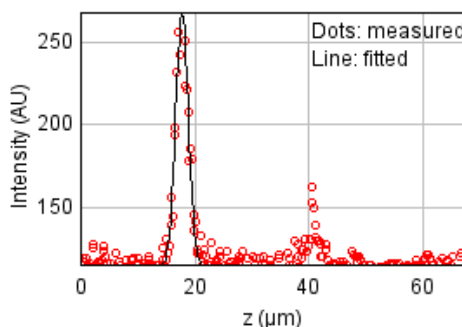
b = -0.093 px

c = 0.295 px

xc = 7.426 px

yc = 5.769 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 20773.6371

Standard deviation: 8.22597

R^2 : 0.90374

Parameters:

a = 114.69485

b = 267.66485

c = 17.84860

d = 1.09758

Bead 918

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

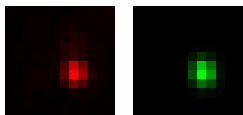
Coordinates : -116 μm (x), -11.7 μm (y), 18.7 μm (z)

Corresponding bead : Not found

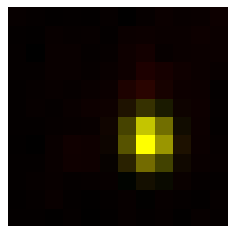
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	489 nm	509 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.821		
Theta	-84.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.973$



Parameters:

$A = 710.726$ (brightness)

$B = 123.323$ (background)

$a = 0.832$ px

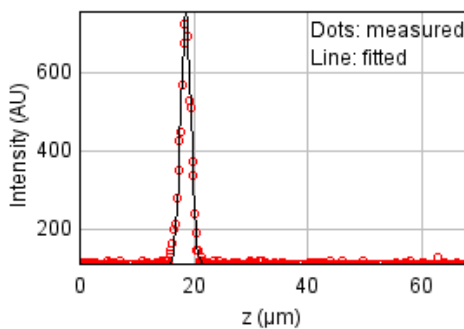
$b = -0.026$ px

$c = 0.565$ px

$x_c = 7.170$ px

$y_c = 6.738$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 35178.7132

Standard deviation: 10.70461

$R^2: 0.98767$

Parameters:

$a = 113.03671$

$b = 754.11039$

$c = 18.68367$

$d = 0.89286$

Bead 919

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

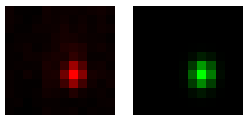
Coordinates : -105 μm (x), -13.3 μm (y), 18.5 μm (z)

Corresponding bead : Not found

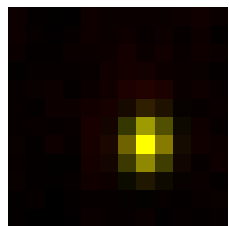
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	489 nm	509 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.815		
Theta	82.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.964$



Parameters:

$A = 511.807$ (brightness)

$B = 122.050$ (background)

$a = 0.841$ px

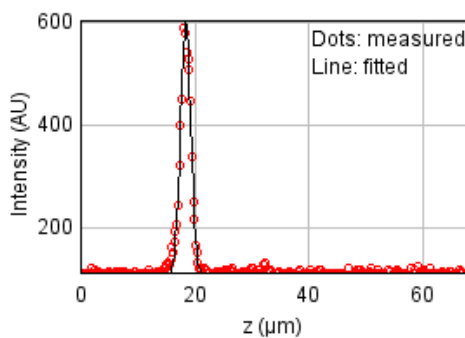
$b = 0.038$ px

$c = 0.567$ px

$x_c = 7.067$ px

$y_c = 6.940$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25808.9318

Standard deviation: 9.16887

$R^2: 0.98447$

Parameters:

$a = 112.68424$

$b = 604.26059$

$c = 18.49352$

$d = 0.88115$

Bead 920

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

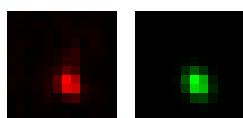
Coordinates : -55.8 μm (x), -15.2 μm (y), 18.8 μm (z)

Corresponding bead : Not found

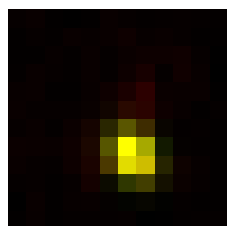
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.804		
Theta	-58.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.965$



Parameters:

A = 687.266 (brightness)

B = 125.433 (background)

a = 0.752 px

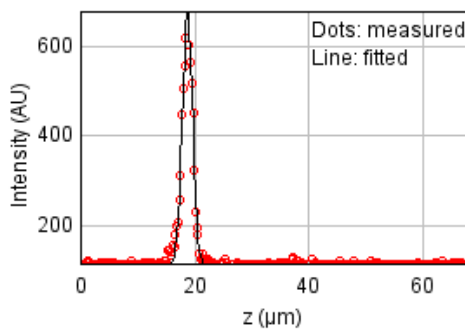
b = -0.131 px

c = 0.620 px

xc = 6.302 px

yc = 7.445 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 26702.3988

Standard deviation: 9.32623

R^2 : 0.98803

Parameters:

a = 112.62600

b = 681.14315

c = 18.80232

d = 0.88802

Bead 921 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 162 μm (x), -17.1 μm (y), 18.1 μm (z)

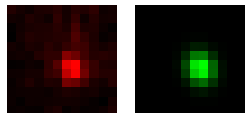
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

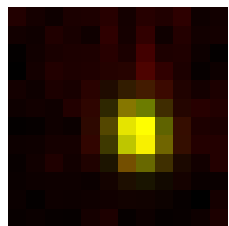
FWHM	Non corrected	Corrected	Theoretical
min	498 nm	519 nm	270 nm
max	593 nm	618 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.839		
Theta	-75.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.898$



Parameters:

A = 187.018 (brightness)

B = 115.899 (background)

a = 0.531 px

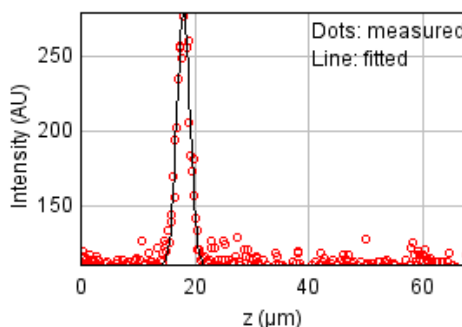
b = -0.039 px

c = 0.391 px

xc = 6.634 px

yc = 6.386 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 13515.5311

Standard deviation: 6.63510

R^2 : 0.94852

Parameters:

a = 110.64230

b = 279.45927

c = 18.11582

d = 1.15426

Bead 922

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

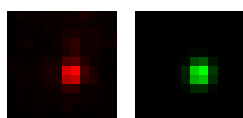
Coordinates : -117 μm (x), -19.3 μm (y), 18.7 μm (z)

Corresponding bead : Not found

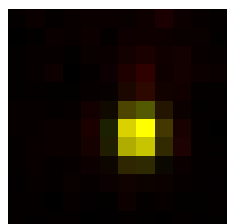
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	454 nm	473 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.872		
Theta	80.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.961$



Parameters:

$A = 527.384$ (brightness)

$B = 117.002$ (background)

$a = 0.851$ px

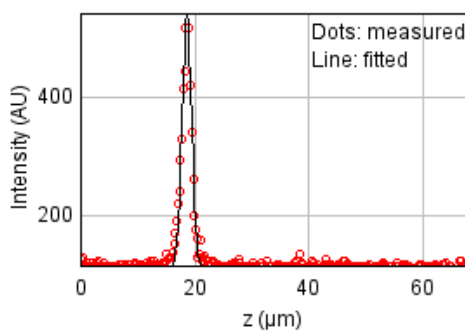
$b = 0.032$ px

$c = 0.657$ px

$x_c = 6.602$ px

$y_c = 6.321$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 26948.6331

Standard deviation: 9.36913

$R^2: 0.97740$

Parameters:

$a = 113.53760$

$b = 542.13018$

$c = 18.69721$

$d = 0.82310$

Bead 923

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

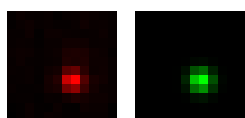
Coordinates : -102 μm (x), -28.3 μm (y), 18.6 μm (z)

Corresponding bead : Not found

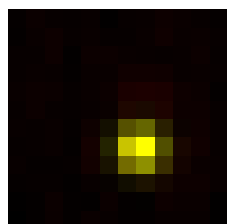
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	440 nm	270 nm
max	435 nm	453 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.973		
Theta	-27.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.975$



Parameters:

$A = 526.334$ (brightness)

$B = 120.565$ (background)

$a = 0.720$ px

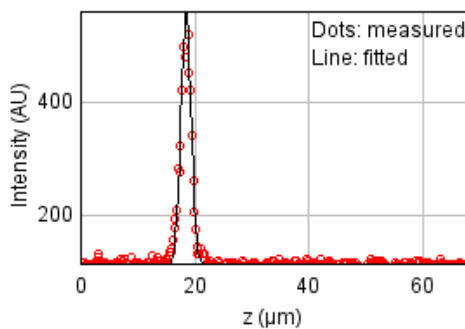
$b = -0.017$ px

$c = 0.743$ px

$x_c = 6.686$ px

$y_c = 7.108$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 30808.0656

Standard deviation: 10.01758

$R^2: 0.97805$

Parameters:

$a = 112.83256$

$b = 563.12819$

$c = 18.55051$

$d = 0.88111$

Bead 924 (Rejected)

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 86.0 μm (x), -31.2 μm (y), 15.9 μm (z)

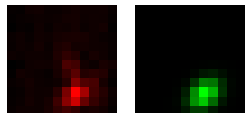
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

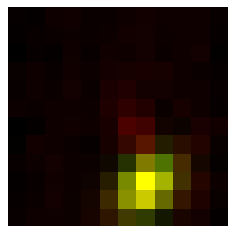
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	629 nm	655 nm	270 nm
z	2.74 μm	2.75 μm	1.3 μm
Asymmetry	0.73		
Theta	44.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.887$



Parameters:

$A = 271.724$ (brightness)

$B = 118.375$ (background)

$a = 0.484$ px

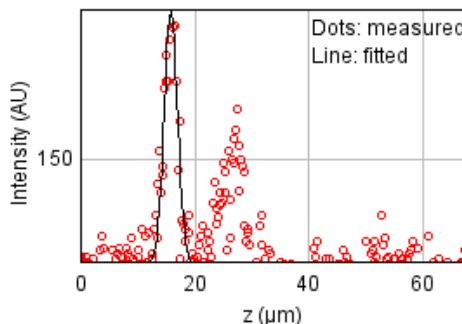
$b = 0.149$ px

$c = 0.491$ px

$x_c = 7.065$ px

$y_c = 9.235$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 37757.5147

Standard deviation: 11.09002

R^2 : 0.62134

Parameters:

$a = 115.82384$

$b = 199.77299$

$c = 15.88843$

$d = 1.16180$

Bead 925

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

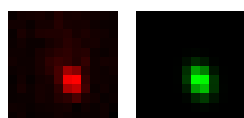
Coordinates : 144 μm (x), -37.3 μm (y), 18.5 μm (z)

Corresponding bead : Not found

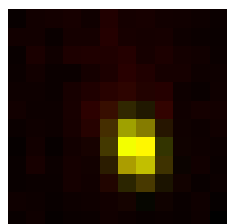
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.735		
Theta	-71.0°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.945$



Parameters:

$A = 395.493$ (brightness)

$B = 118.800$ (background)

$a = 0.764$ px

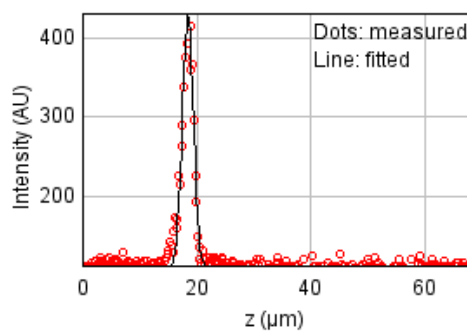
$b = -0.114$ px

$c = 0.473$ px

$x_c = 6.493$ px

$y_c = 7.107$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25092.9738

Standard deviation: 9.04080

$R^2: 0.96742$

Parameters:

$a = 111.56340$

$b = 430.15896$

$c = 18.53144$

$d = 0.95936$

Bead 926

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

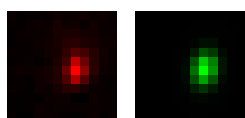
Coordinates : 86.5 μm (x), -44.3 μm (y), 18.5 μm (z)

Corresponding bead : Not found

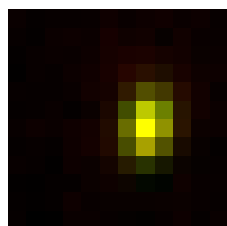
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	625 nm	650 nm	270 nm
z	2.11 μm	2.11 μm	1.3 μm
Asymmetry	0.693		
Theta	80.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.957$



Parameters:

$A = 433.502$ (brightness)

$B = 121.477$ (background)

$a = 0.707$ px

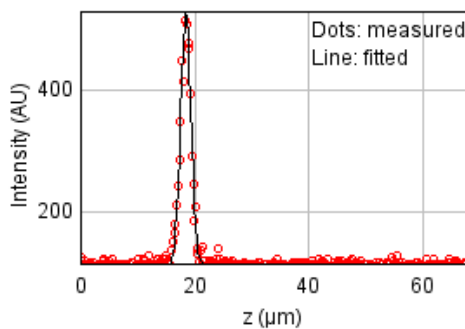
$b = 0.058$ px

$c = 0.353$ px

$x_c = 7.116$ px

$y_c = 5.821$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24011.4535

Standard deviation: 8.84382

R^2 : 0.98050

Parameters:

$a = 112.43454$

$b = 531.79444$

$c = 18.51627$

$d = 0.89412$

Bead 927

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

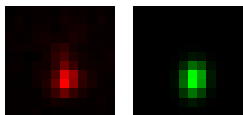
Coordinates : 56.1 μm (x), -54.6 μm (y), 18.9 μm (z)

Corresponding bead : Not found

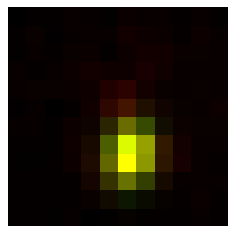
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	573 nm	596 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.754		
Theta	82.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.948$



Parameters:

$A = 604.777$ (brightness)

$B = 126.494$ (background)

$a = 0.715$ px

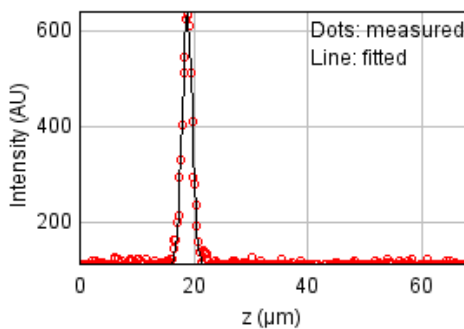
$b = 0.038$ px

$c = 0.414$ px

$x_c = 6.163$ px

$y_c = 7.507$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 21670.9814

Standard deviation: 8.40176

$R^2: 0.98842$

Parameters:

$a = 113.52939$

$b = 639.97613$

$c = 18.92571$

$d = 0.86808$

Bead 928 (Rejected)

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 162 μm (x), -68.7 μm (y), 18.3 μm (z)

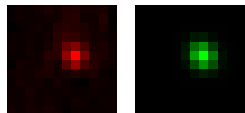
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

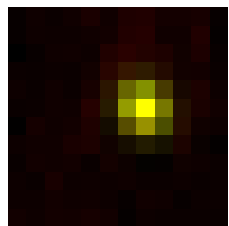
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.71 μm	2.72 μm	1.3 μm
Asymmetry	0.876		
Theta	-57.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.939$



Parameters:

A = 348.244 (brightness)

B = 119.456 (background)

a = 0.632 px

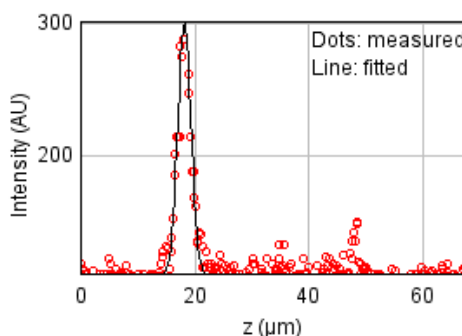
b = -0.072 px

c = 0.566 px

xc = 6.891 px

yc = 4.987 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24513.2046

Standard deviation: 8.93575

R^2 : 0.92688

Parameters:

a = 112.00976

b = 300.98411

c = 18.27003

d = 1.14902

Bead 929 (Rejected)

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 33.7 μm (x), -81.5 μm (y), 16.2 μm (z)

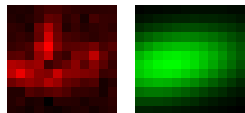
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

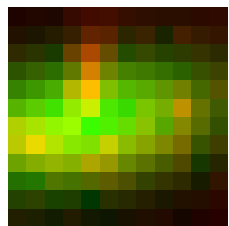
FWHM	Non corrected	Corrected	Theoretical
min	1.25 μm	1.3 μm	270 nm
max	2.8 μm	2.91 μm	270 nm
z	1.24 μm	1.24 μm	1.3 μm
Asymmetry	0.447		
Theta	8.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.535$



Parameters:

A = 74.295 (brightness)

B = 113.178 (background)

a = 0.019 px

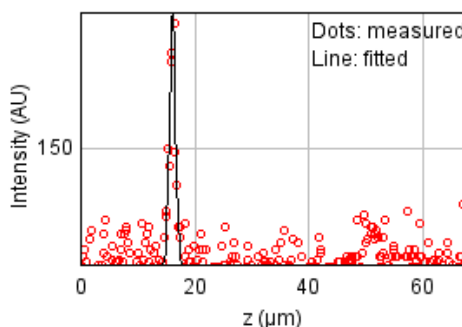
b = 0.010 px

c = 0.084 px

xc = 3.353 px

yc = 5.888 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 12387.0405

Standard deviation: 6.35206

R^2 : 0.67500

Parameters:

a = 113.91551

b = 193.00498

c = 16.18954

d = 0.52492

Bead 930

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

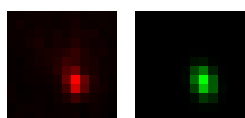
Coordinates : -30.1 μm (x), 91.6 μm (y), 18.9 μm (z)

Corresponding bead : Not found

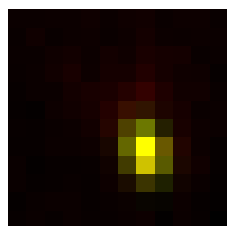
FWHM	Non corrected	Corrected	Theoretical
min	362 nm	377 nm	270 nm
max	531 nm	553 nm	270 nm
z	1.9 μm	1.91 μm	1.3 μm
Asymmetry	0.681		
Theta	-74.0°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.933$



Parameters:

$A = 560.277$ (brightness)

$B = 125.101$ (background)

$a = 0.985$ px

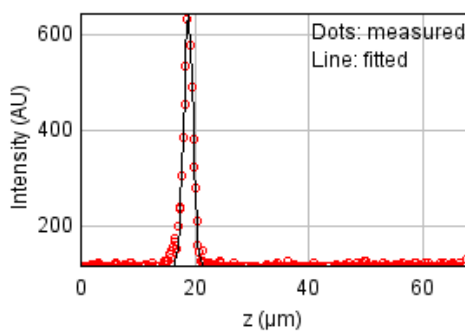
$b = -0.146$ px

$c = 0.518$ px

$x_c = 6.994$ px

$y_c = 7.232$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 29974.2033

Standard deviation: 9.88109

$R^2 = 0.98307$

Parameters:

$a = 114.62777$

$b = 642.69677$

$c = 18.94446$

$d = 0.80886$

Bead 931

Date : Mon Oct 17 13:51:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

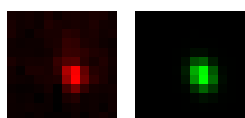
Coordinates : -152 μm (x), 81.0 μm (y), 18.6 μm (z)

Corresponding bead : Not found

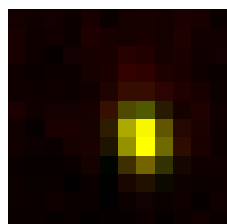
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	542 nm	564 nm	270 nm
z	3.15 μm	3.16 μm	1.3 μm
Asymmetry	0.778		
Theta	-70.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.936$



Parameters:

$A = 372.187$ (brightness)

$B = 121.478$ (background)

$a = 0.722$ px

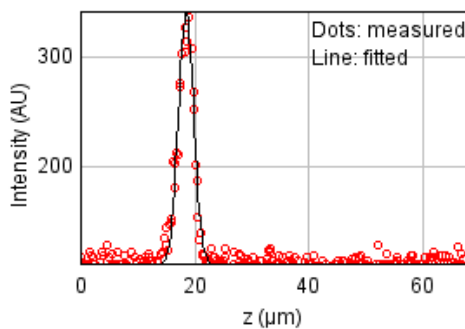
$b = -0.092$ px

$c = 0.489$ px

$x_c = 6.822$ px

$y_c = 6.504$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24651.6175

Standard deviation: 8.96094

$R^2: 0.95585$

Parameters:

$a = 111.55963$

$b = 342.45054$

$c = 18.56991$

$d = 1.33600$

Bead 932

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

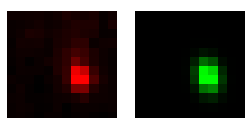
Coordinates : -18.2 μm (x), 76.8 μm (y), 18.2 μm (z)

Corresponding bead : Not found

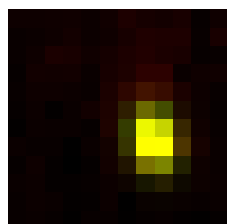
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	579 nm	603 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.705		
Theta	-78.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.946$



Parameters:

A = 458.499 (brightness)

B = 124.146 (background)

a = 0.788 px

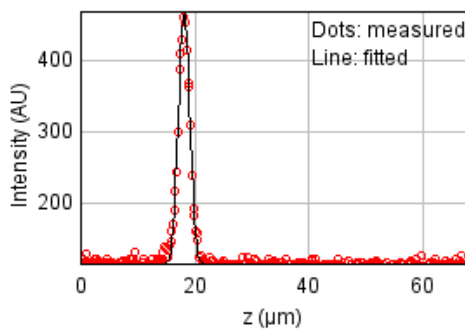
b = -0.080 px

c = 0.417 px

$x_c = 7.465$ px

$y_c = 6.616$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 16915.6428

Standard deviation: 7.42292

R^2 : 0.98263

Parameters:

a = 113.34681

b = 468.10914

c = 18.21801

d = 0.99533

Bead 933

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

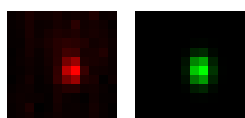
Coordinates : -14.6 μm (x), 65.2 μm (y), 18.6 μm (z)

Corresponding bead : Not found

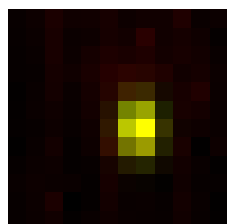
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	534 nm	556 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.711		
Theta	-88.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.928$



Parameters:

A = 386.466 (brightness)

B = 118.553 (background)

a = 0.930 px

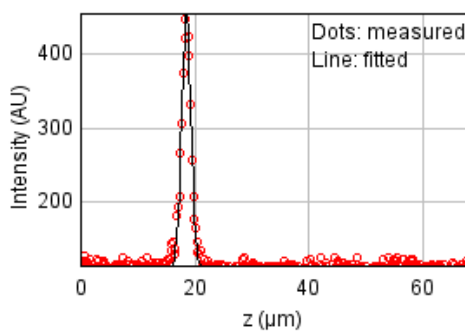
b = -0.015 px

c = 0.471 px

xc = 6.633 px

yc = 5.955 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 17609.4910

Standard deviation: 7.57363

R^2 : 0.97606

Parameters:

a = 114.35504

b = 455.82709

c = 18.60226

d = 0.79746

Bead 934

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

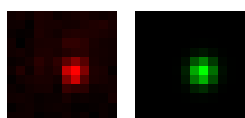
Coordinates : -136 μm (x), 60.8 μm (y), 18.1 μm (z)

Corresponding bead : Not found

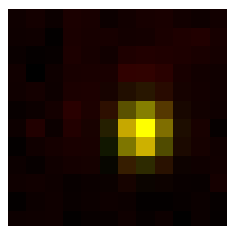
FWHM	Non corrected	Corrected	Theoretical
min	460 nm	479 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.915		
Theta	84.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.930$



Parameters:

A = 255.798 (brightness)

B = 120.318 (background)

a = 0.634 px

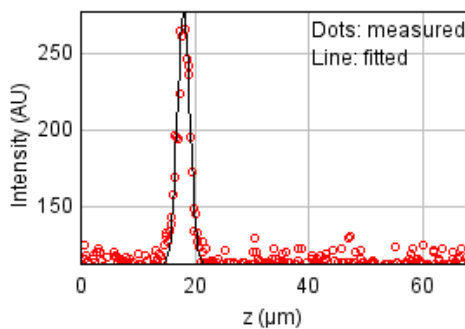
b = 0.010 px

c = 0.533 px

xc = 6.831 px

yc = 6.159 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 15305.0609

Standard deviation: 7.06071

R^2 : 0.93682

Parameters:

a = 112.75317

b = 278.29487

c = 18.14259

d = 1.09007

Bead 935

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

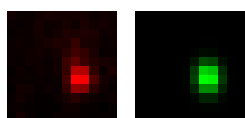
Coordinates : 80.6 μm (x), 47.0 μm (y), 18.6 μm (z)

Corresponding bead : Not found

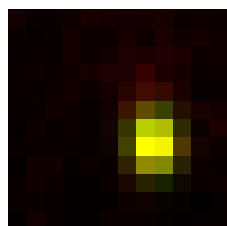
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	573 nm	596 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.76		
Theta	-85.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.940$



Parameters:

A = 419.639 (brightness)

B = 124.662 (background)

a = 0.707 px

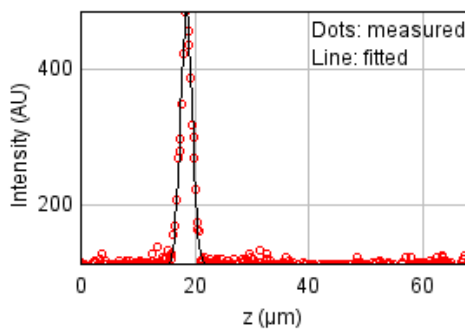
b = -0.021 px

c = 0.411 px

$x_c = 7.457$ px

$y_c = 6.772$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 19668.9170

Standard deviation: 8.00426

R^2 : 0.98198

Parameters:

a = 113.12283

b = 486.63343

c = 18.62187

d = 1.00669

Bead 936

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

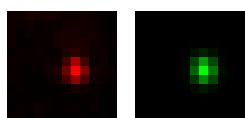
Coordinates : -108 μm (x), 39.5 μm (y), 18.9 μm (z)

Corresponding bead : Not found

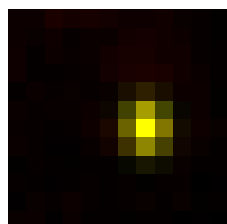
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	488 nm	509 nm	270 nm
z	2.16 μm	2.16 μm	1.3 μm
Asymmetry	0.81		
Theta	-85.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.964$



Parameters:

A = 563.471 (brightness)

B = 124.810 (background)

a = 0.856 px

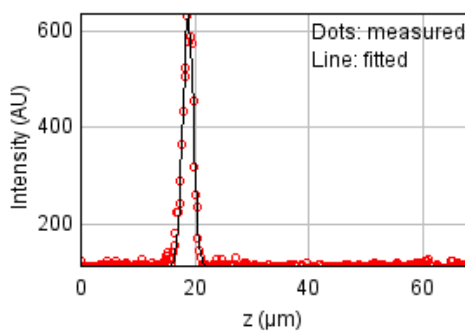
b = -0.025 px

c = 0.565 px

$x_c = 7.048$ px

$y_c = 5.925$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 36021.5695

Standard deviation: 10.83209

R^2 : 0.98147

Parameters:

a = 113.16935

b = 634.47594

c = 18.90904

d = 0.91518

Bead 937

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

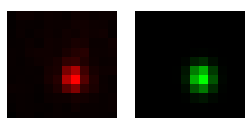
Coordinates : -65.4 μm (x), 29.2 μm (y), 47.7 μm (z)

Corresponding bead : Not found

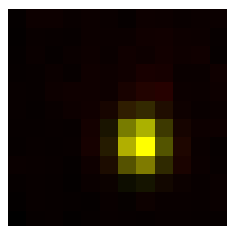
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	441 nm	270 nm
max	494 nm	514 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.858		
Theta	-86.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.974$



Parameters:

$A = 904.538$ (brightness)

$B = 131.999$ (background)

$a = 0.747$ px

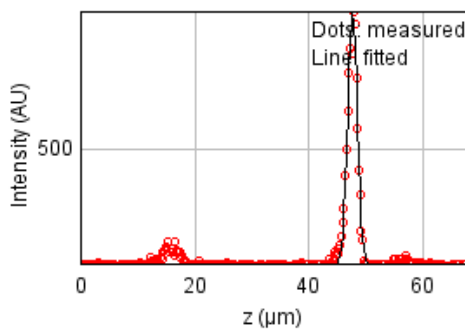
$b = -0.011$ px

$c = 0.551$ px

$x_c = 6.750$ px

$y_c = 6.830$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 108661.273

Standard deviation: 18.81344

$R^2: 0.97719$

Parameters:

$a = 119.75030$

$b = 960.66661$

$c = 47.70816$

$d = 0.85552$

Bead 938 (Rejected)

Date : Mon Oct 17 13:51:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 52.0 μm (x), 18.9 μm (y), 16.3 μm (z)

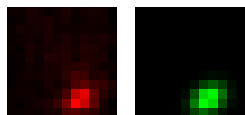
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

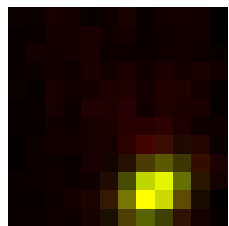
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	470 nm	270 nm
max	615 nm	641 nm	270 nm
z	3.12 μm	3.13 μm	1.3 μm
Asymmetry	0.733		
Theta	34.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.931$



Parameters:

A = 278.913 (brightness)

B = 121.275 (background)

a = 0.454 px

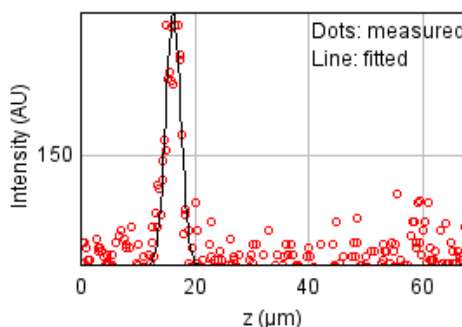
b = 0.143 px

c = 0.560 px

xc = 7.474 px

yc = 9.532 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 18802.3745

Standard deviation: 7.82595

R^2 : 0.79104

Parameters:

a = 112.95210

b = 197.65646

c = 16.31488

d = 1.32292

Bead 939

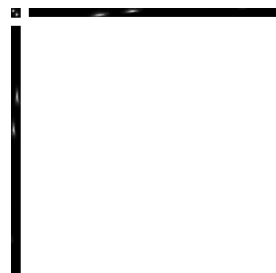
Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -51.1 μm (x), 8.15 μm (y), 19.3 μm (z)

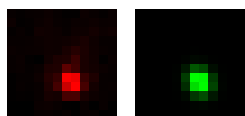
Corresponding bead : Not found



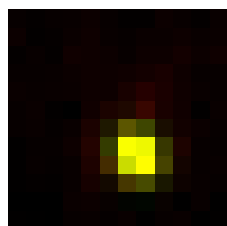
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.858		
Theta	-61.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.960$



Parameters:

$A = 635.730$ (brightness)

$B = 126.102$ (background)

$a = 0.737$ px

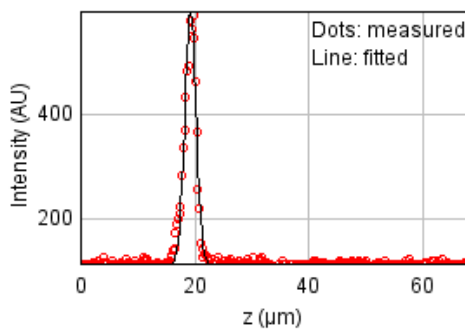
$b = -0.086$ px

$c = 0.623$ px

$x_c = 6.533$ px

$y_c = 7.452$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 40620.0054

Standard deviation: 11.50273

$R^2: 0.97765$

Parameters:

$a = 114.23335$

$b = 598.03245$

$c = 19.32563$

$d = 0.99380$

Bead 940 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -129 μm (x), -12.0 μm (y), 17.0 μm (z)

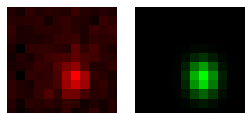
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

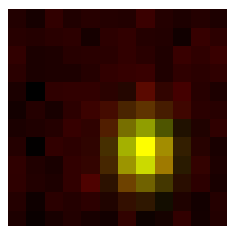
FWHM	Non corrected	Corrected	Theoretical
min	528 nm	550 nm	270 nm
max	649 nm	676 nm	270 nm
z	2.06 μm	2.06 μm	1.3 μm
Asymmetry	0.814		
Theta	-87.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.853$



Parameters:

A = 122.578 (brightness)

B = 117.026 (background)

a = 0.480 px

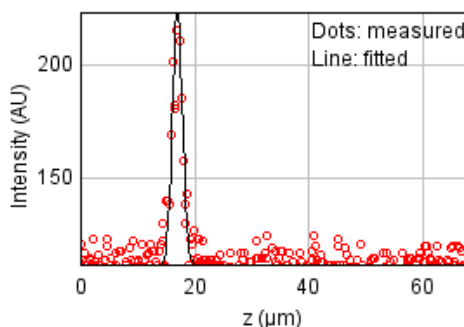
b = -0.007 px

c = 0.319 px

xc = 6.881 px

yc = 7.251 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 14535.6034

Standard deviation: 6.88093

R^2 : 0.85047

Parameters:

a = 112.35044

b = 223.31705

c = 17.04085

d = 0.87324

Bead 941 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -47.5 μm (x), -45.8 μm (y), 18.1 μm (z)

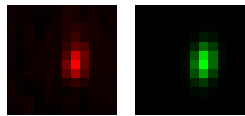
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

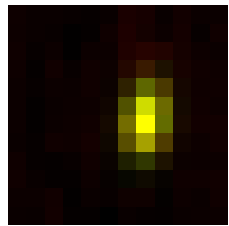
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	671 nm	699 nm	270 nm
z	1.94 μm	1.94 μm	1.3 μm
Asymmetry	0.587		
Theta	83.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.966$



Parameters:

A = 392.604 (brightness)

B = 120.142 (background)

a = 0.857 px

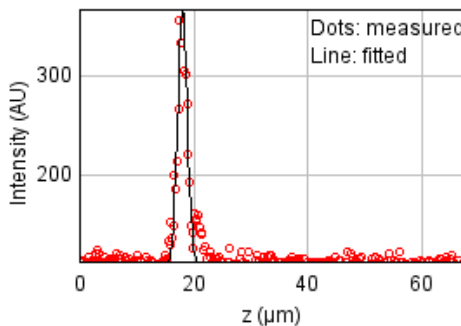
b = 0.067 px

c = 0.306 px

xc = 7.019 px

yc = 5.742 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 28211.2438

Standard deviation: 9.58610

R^2 : 0.93468

Parameters:

a = 114.08320

b = 366.47492

c = 18.10617

d = 0.82185

Bead 942

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

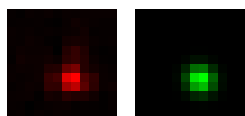
Coordinates : -61.9 μm (x), -62.9 μm (y), 19.0 μm (z)

Corresponding bead : Not found

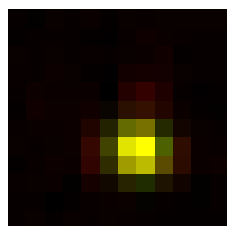
FWHM	Non corrected	Corrected	Theoretical
min	479 nm	499 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.944		
Theta	-35.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.942$



Parameters:

A = 620.809 (brightness)

B = 127.975 (background)

a = 0.542 px

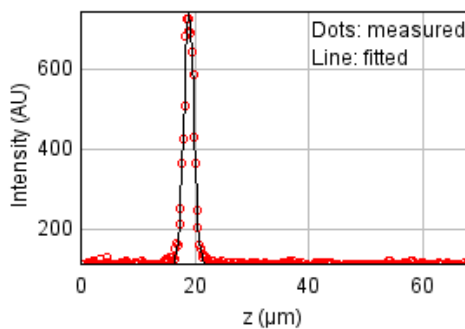
b = -0.030 px

c = 0.563 px

xc = 6.620 px

yc = 7.200 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24590.2265

Standard deviation: 8.94977

R^2 : 0.99095

Parameters:

a = 113.47950

b = 748.83630

c = 19.03226

d = 0.86742

Bead 943

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

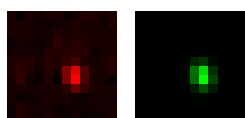
Coordinates : -118 μm (x), 89.7 μm (y), 18.6 μm (z)

Corresponding bead : Not found

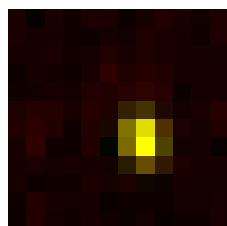
FWHM	Non corrected	Corrected	Theoretical
min	345 nm	360 nm	270 nm
max	457 nm	476 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.755		
Theta	-78.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.929$



Parameters:

$A = 311.499$ (brightness)

$B = 119.594$ (background)

$a = 1.107$ px

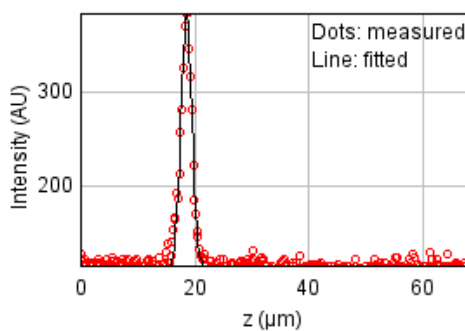
$b = -0.094$ px

$c = 0.661$ px

$x_c = 6.859$ px

$y_c = 6.582$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 16639.4522

Standard deviation: 7.36208

$R^2: 0.96996$

Parameters:

$a = 113.41104$

$b = 385.97692$

$c = 18.62262$

$d = 0.94424$

Bead 944 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -121 μm (x), 88.3 μm (y), 18.7 μm (z)

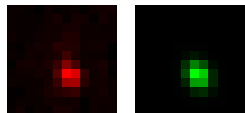
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

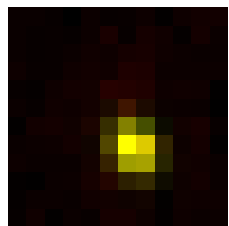
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	419 nm	270 nm
max	511 nm	532 nm	270 nm
z	6.31 μm	6.34 μm	1.3 μm
Asymmetry	0.788		
Theta	-62.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.957$



Parameters:

A = 399.167 (brightness)

B = 124.416 (background)

a = 0.759 px

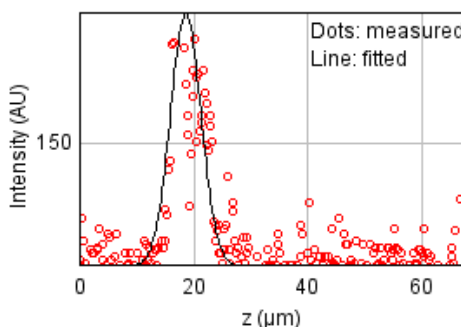
b = -0.130 px

c = 0.583 px

xc = 6.375 px

yc = 7.170 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 35628.3868

Standard deviation: 10.77281

R^2 : 0.76323

Parameters:

a = 112.11107

b = 190.76531

c = 18.66909

d = 2.68007

Bead 945 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -76.2 μm (x), 71.5 μm (y), 15.4 μm (z)

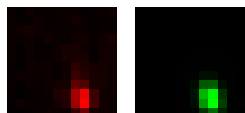
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

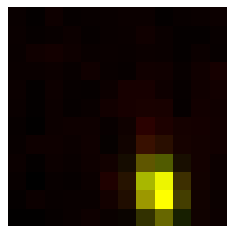
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	547 nm	569 nm	270 nm
z	4.1 μm	4.11 μm	1.3 μm
Asymmetry	0.671		
Theta	-77.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.962$



Parameters:

A = 517.720 (brightness)

B = 125.484 (background)

a = 0.972 px

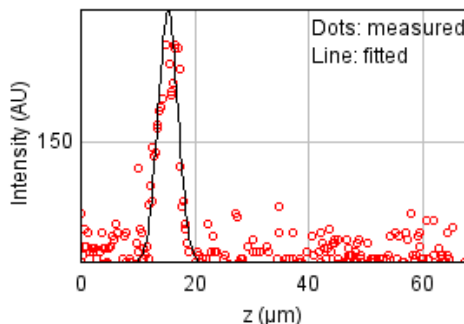
b = -0.114 px

c = 0.474 px

xc = 7.707 px

yc = 9.474 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 16724.9997

Standard deviation: 7.38098

R^2 : 0.82567

Parameters:

a = 112.59178

b = 191.45071

c = 15.40081

d = 1.73927

Bead 946 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 218 nm (x), 59.6 um (y), 16.0 um (z)

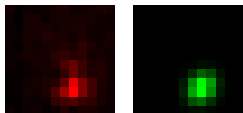
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

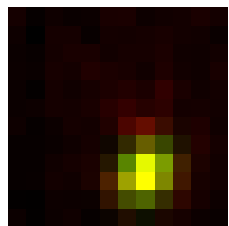
FWHM	Non corrected	Corrected	Theoretical
min	471 nm	490 nm	270 nm
max	566 nm	589 nm	270 nm
z	3.45 um	3.46 um	1.3 um
Asymmetry	0.832		
Theta	56.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.861$



Parameters:

A = 280.970 (brightness)

B = 121.871 (background)

a = 0.548 px

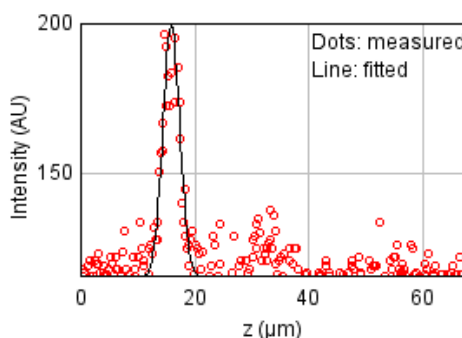
b = 0.086 px

c = 0.477 px

xc = 6.992 px

yc = 8.526 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 18045.7242

Standard deviation: 7.66687

R^2 : 0.81320

Parameters:

a = 115.34546

b = 200.27398

c = 15.97373

d = 1.46395

Bead 947

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

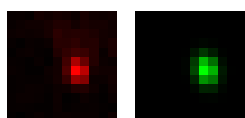
Coordinates : 77.1 μm (x), 54.9 μm (y), 18.9 μm (z)

Corresponding bead : Not found

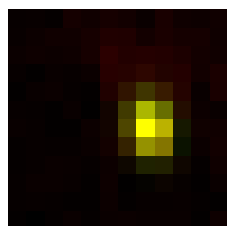
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	555 nm	579 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.721		
Theta	-79.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.921$



Parameters:

A = 389.100 (brightness)

B = 122.619 (background)

a = 0.823 px

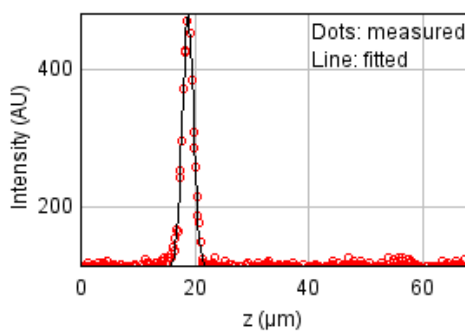
b = -0.072 px

c = 0.448 px

$x_c = 7.275$ px

$y_c = 5.918$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 15406.3558

Standard deviation: 7.08404

R^2 : 0.98490

Parameters:

a = 113.22600

b = 481.53774

c = 18.88218

d = 0.96853

Bead 948

Date : Mon Oct 17 13:51:35 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

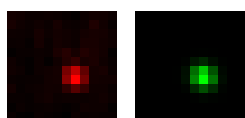
Coordinates : -121 μm (x), 50.3 μm (y), 18.6 μm (z)

Corresponding bead : Not found

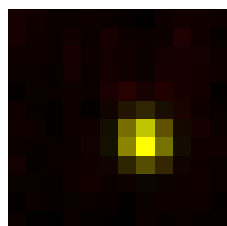
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	435 nm	270 nm
max	442 nm	460 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.945		
Theta	-49.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.963$



Parameters:

$A = 347.375$ (brightness)

$B = 119.113$ (background)

$a = 0.735$ px

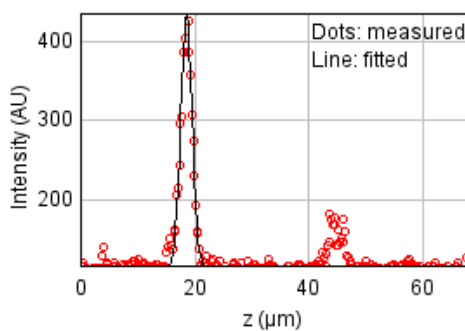
$b = -0.041$ px

$c = 0.723$ px

$x_c = 6.934$ px

$y_c = 6.676$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 55285.4154

Standard deviation: 13.41949

$R^2: 0.93228$

Parameters:

$a = 115.79372$

$b = 435.14941$

$c = 18.62395$

$d = 0.97605$

Bead 949

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

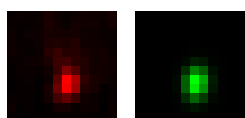
Coordinates : 65.8 μm (x), 36.5 μm (y), 19.1 μm (z)

Corresponding bead : Not found

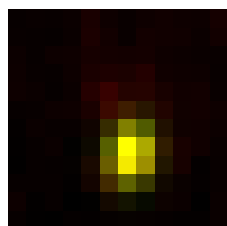
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	455 nm	270 nm
max	588 nm	613 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.742		
Theta	83.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.938$



Parameters:

A = 499.358 (brightness)

B = 126.252 (background)

a = 0.700 px

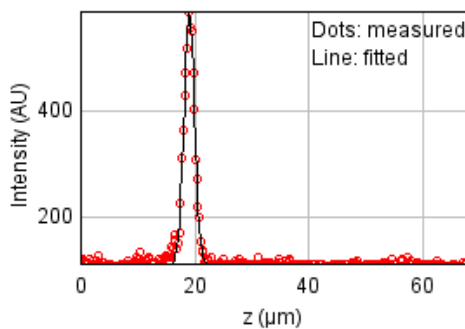
b = 0.037 px

c = 0.392 px

xc = 6.184 px

yc = 7.368 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23070.2815

Standard deviation: 8.66877

R^2 : 0.98563

Parameters:

a = 113.81108

b = 585.04911

c = 19.10843

d = 0.92960

Bead 950

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

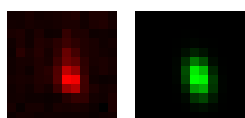
Coordinates : -22.6 μm (x), 27.7 μm (y), 17.8 μm (z)

Corresponding bead : Not found

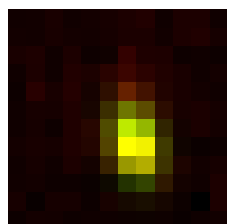
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	453 nm	270 nm
max	692 nm	721 nm	270 nm
z	2.58 μm	2.6 μm	1.3 μm
Asymmetry	0.628		
Theta	-76.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.927$



Parameters:

A = 289.686 (brightness)

B = 123.307 (background)

a = 0.689 px

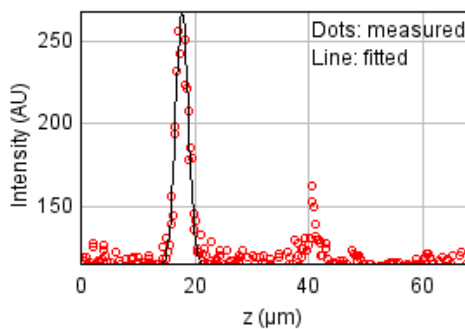
b = -0.095 px

c = 0.302 px

$x_c = 6.427$ px

$y_c = 6.774$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 20773.6371

Standard deviation: 8.22597

R^2 : 0.90374

Parameters:

a = 114.69485

b = 267.66485

c = 17.84860

d = 1.09758

Bead 951

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

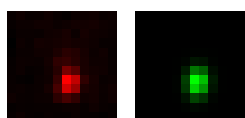
Coordinates : 50.0 μm (x), 11.3 μm (y), 19.1 μm (z)

Corresponding bead : Not found

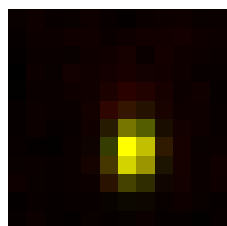
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.749		
Theta	85.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.961$



Parameters:

$A = 539.524$ (brightness)

$B = 124.272$ (background)

$a = 0.852$ px

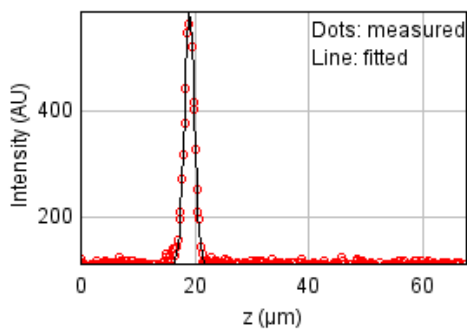
$b = 0.027$ px

$c = 0.482$ px

$x_c = 6.321$ px

$y_c = 7.283$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 19150.1502

Standard deviation: 7.89800

$R^2: 0.98738$

Parameters:

$a = 113.45308$

$b = 585.31255$

$c = 19.13562$

$d = 0.87523$

Bead 952

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

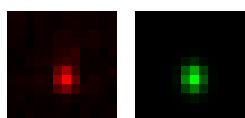
Coordinates : -119 μm (x), -2.06 μm (y), 18.6 μm (z)

Corresponding bead : Not found

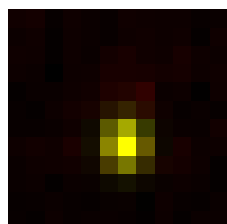
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.09 μm	2.09 μm	1.3 μm
Asymmetry	0.827		
Theta	-87.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.953$



Parameters:

$A = 411.277$ (brightness)

$B = 120.131$ (background)

$a = 0.855$ px

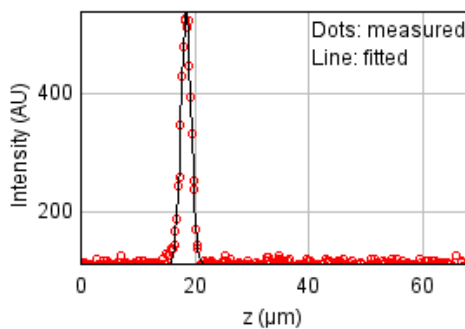
$b = -0.011$ px

$c = 0.585$ px

$x_c = 5.880$ px

$y_c = 6.847$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 16565.0805

Standard deviation: 7.34561

$R^2: 0.98677$

Parameters:

$a = 112.50196$

$b = 538.49580$

$c = 18.55018$

$d = 0.88601$

Bead 953

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

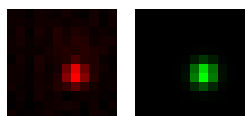
Coordinates : -147 μm (x), -3.98 μm (y), 18.5 μm (z)

Corresponding bead : Not found

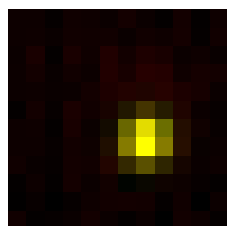
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	455 nm	474 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.94		
Theta	76.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.945$



Parameters:

$A = 301.040$ (brightness)

$B = 116.213$ (background)

$a = 0.728$ px

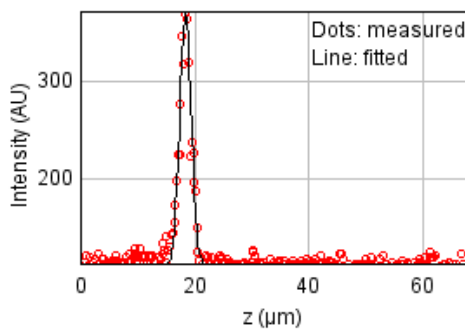
$b = 0.019$ px

$c = 0.651$ px

$x_c = 7.009$ px

$y_c = 6.611$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23889.2918

Standard deviation: 8.82130

$R^2: 0.95542$

Parameters:

$a = 111.47577$

$b = 371.14055$

$c = 18.45791$

$d = 0.99422$

Bead 954

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

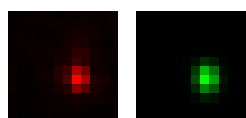
Coordinates : -35.4 μm (x), -26.5 μm (y), 19.1 μm (z)

Corresponding bead : Not found

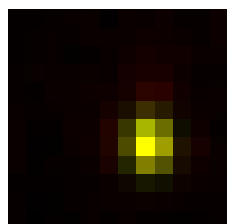
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.776		
Theta	-86.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.960$



Parameters:

A = 731.352 (brightness)

B = 127.063 (background)

a = 0.856 px

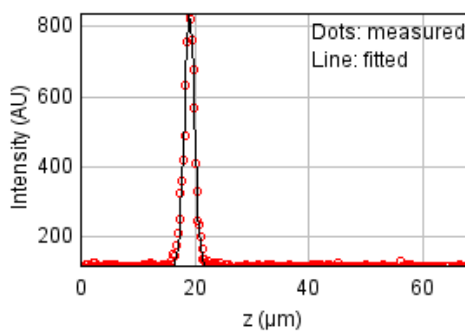
b = -0.019 px

c = 0.516 px

$x_c = 7.217$ px

$y_c = 6.835$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 31169.7583

Standard deviation: 10.07622

R^2 : 0.99135

Parameters:

a = 114.31846

b = 837.29156

c = 19.14295

d = 0.88923

Bead 955

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

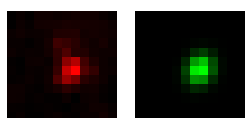
Coordinates : 98.0 μm (x), -36.2 μm (y), 18.9 μm (z)

Corresponding bead : Not found

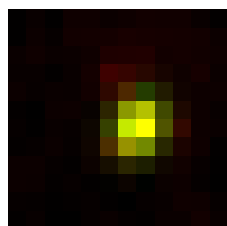
FWHM	Non corrected	Corrected	Theoretical
min	463 nm	482 nm	270 nm
max	566 nm	590 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.817		
Theta	67.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.917$



Parameters:

$A = 354.714$ (brightness)

$B = 121.830$ (background)

$a = 0.596$ px

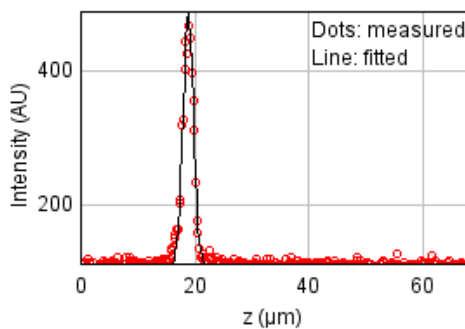
$b = 0.074$ px

$c = 0.449$ px

$x_c = 6.586$ px

$y_c = 5.878$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23308.8759

Standard deviation: 8.71348

$R^2: 0.97705$

Parameters:

$a = 112.35911$

$b = 489.86505$

$c = 18.93734$

$d = 0.90728$

Bead 956

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

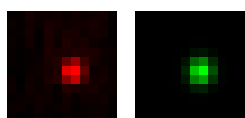
Coordinates : -150 μm (x), -38.6 μm (y), 19.0 μm (z)

Corresponding bead : Not found

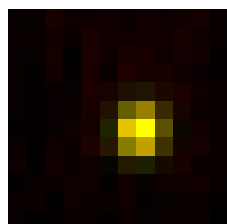
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.891		
Theta	85.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.960$



Parameters:

$A = 417.993$ (brightness)

$B = 117.514$ (background)

$a = 0.725$ px

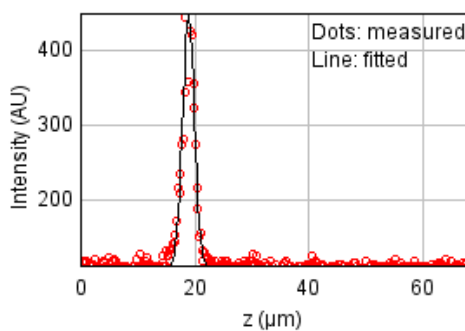
$b = 0.012$ px

$c = 0.577$ px

$x_c = 6.683$ px

$y_c = 6.105$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 33454.0318

Standard deviation: 10.43891

$R^2: 0.96397$

Parameters:

$a = 111.77109$

$b = 450.20500$

$c = 18.97932$

$d = 1.02476$

Bead 957

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

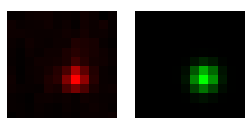
Coordinates : -50.6 μm (x), -59.0 μm (y), 18.8 μm (z)

Corresponding bead : Not found

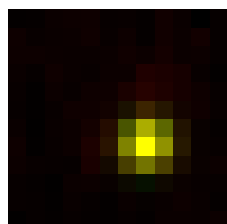
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.966		
Theta	62.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.956$



Parameters:

$A = 469.678$ (brightness)

$B = 123.668$ (background)

$a = 0.613$ px

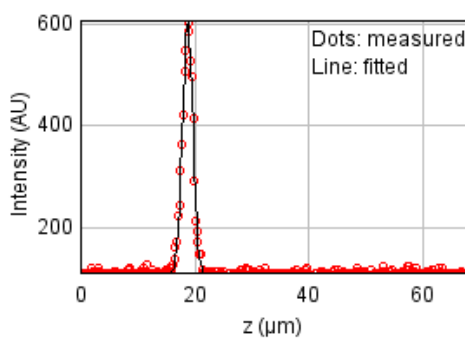
$b = 0.017$ px

$c = 0.589$ px

$x_c = 7.051$ px

$y_c = 6.830$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 17751.8130

Standard deviation: 7.60418

$R^2: 0.98963$

Parameters:

$a = 112.12195$

$b = 607.27660$

$c = 18.83952$

$d = 0.89981$

Bead 958

Date : Mon Oct 17 13:51:36 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

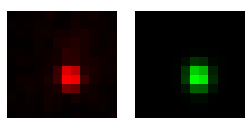
Coordinates : -122 μm (x), -64.9 μm (y), 19.0 μm (z)

Corresponding bead : Not found

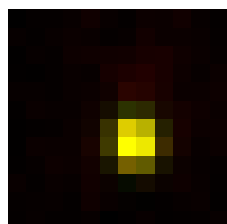
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	430 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.87		
Theta	-82.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.967$



Parameters:

A = 569.914 (brightness)

B = 121.094 (background)

a = 0.786 px

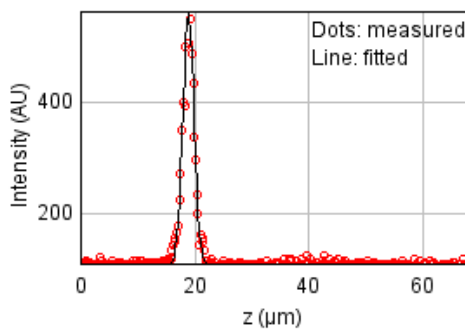
b = -0.024 px

c = 0.601 px

xc = 6.429 px

yc = 6.700 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25998.7572

Standard deviation: 9.20253

R^2 : 0.98284

Parameters:

a = 111.99002

b = 560.25726

c = 18.96767

d = 0.96899

Bead 959

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

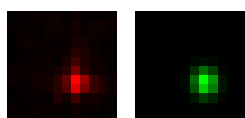
Coordinates : -19.8 μm (x), -65.1 μm (y), 18.8 μm (z)

Corresponding bead : Not found

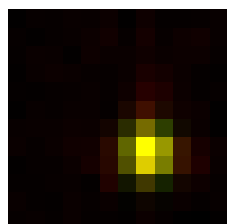
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	497 nm	518 nm	270 nm
z	1.9 μm	1.91 μm	1.3 μm
Asymmetry	0.87		
Theta	-85.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.938$



Parameters:

A = 603.675 (brightness)

B = 124.591 (background)

a = 0.718 px

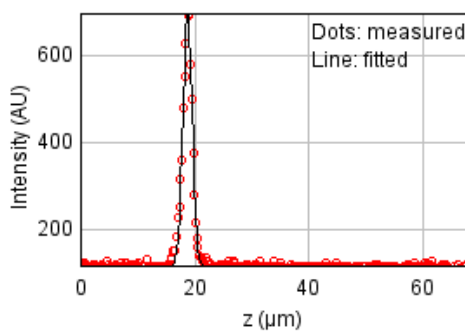
b = -0.013 px

c = 0.544 px

$x_c = 7.141$ px

$y_c = 7.303$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24106.7213

Standard deviation: 8.86135

R^2 : 0.98894

Parameters:

a = 114.15258

b = 701.94879

c = 18.81483

d = 0.80825

Bead 960 (Rejected)

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 162 μm (x), -68.7 μm (y), 18.3 μm (z)

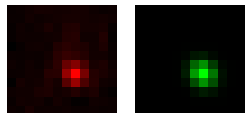
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

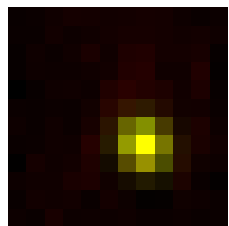
FWHM	Non corrected	Corrected	Theoretical
min	443 nm	461 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.71 μm	2.72 μm	1.3 μm
Asymmetry	0.876		
Theta	-57.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.941$



Parameters:

A = 348.520 (brightness)

B = 120.290 (background)

a = 0.639 px

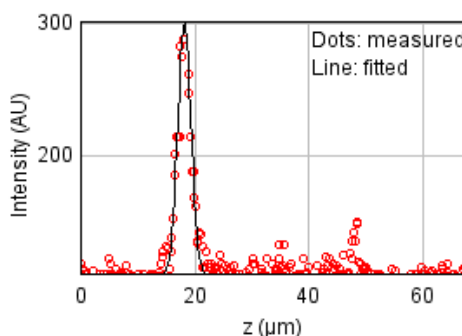
b = -0.072 px

c = 0.573 px

xc = 6.891 px

yc = 6.988 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24513.2046

Standard deviation: 8.93575

R^2 : 0.92688

Parameters:

a = 112.00976

b = 300.98411

c = 18.27003

d = 1.14902

Bead 961

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

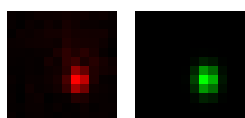
Coordinates : 98.0 μm (x), 89.4 μm (y), 19.0 μm (z)

Corresponding bead : Not found

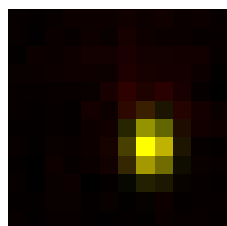
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.778		
Theta	-88.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.943$



Parameters:

$A = 435.247$ (brightness)

$B = 119.704$ (background)

$a = 0.871$ px

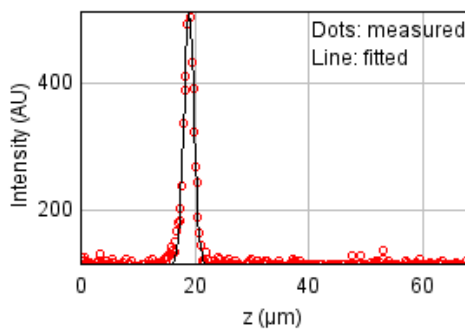
$b = -0.007$ px

$c = 0.528$ px

$xc = 7.293$ px

$yc = 7.020$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 20435.4509

Standard deviation: 8.15874

$R^2: 0.98203$

Parameters:

$a = 113.29814$

$b = 516.96019$

$c = 19.04959$

$d = 0.89258$

Bead 962 (Rejected)

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 89.7 μm (x), 79.3 μm (y), 15.9 μm (z)

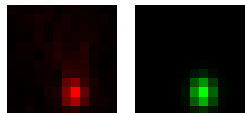
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

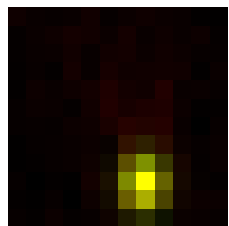
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	531 nm	553 nm	270 nm
z	4.06 μm	4.08 μm	1.3 μm
Asymmetry	0.778		
Theta	-89.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.938$



Parameters:

A = 383.069 (brightness)

B = 122.341 (background)

a = 0.787 px

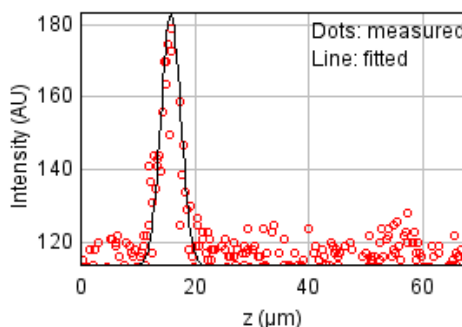
b = -0.002 px

c = 0.476 px

xc = 6.889 px

yc = 9.094 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 15929.3547

Standard deviation: 7.20327

R^2 : 0.79447

Parameters:

a = 113.55514

b = 183.36498

c = 15.89957

d = 1.72369

Bead 963

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

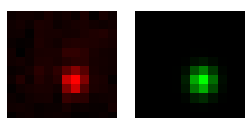
Coordinates : -136 μm (x), 60.8 μm (y), 18.1 μm (z)

Corresponding bead : Not found

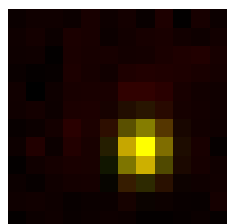
FWHM	Non corrected	Corrected	Theoretical
min	458 nm	477 nm	270 nm
max	500 nm	520 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.916		
Theta	84.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.932$



Parameters:

$A = 255.802$ (brightness)

$B = 120.939$ (background)

$a = 0.640$ px

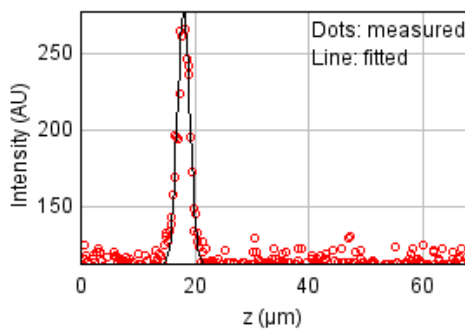
$b = 0.010$ px

$c = 0.538$ px

$xc = 6.831$ px

$yc = 7.160$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 15305.0609

Standard deviation: 7.06071

$R^2: 0.93682$

Parameters:

$a = 112.75317$

$b = 278.29487$

$c = 18.14259$

$d = 1.09007$

Bead 964

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

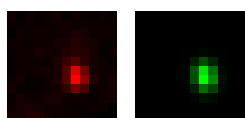
Coordinates : -23.7 μm (x), 51.7 μm (y), 18.9 μm (z)

Corresponding bead : Not found

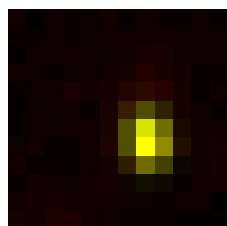
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	403 nm	270 nm
max	522 nm	543 nm	270 nm
z	2.13 μm	2.13 μm	1.3 μm
Asymmetry	0.741		
Theta	-82.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.959$



Parameters:

$A = 496.980$ (brightness)

$B = 127.148$ (background)

$a = 0.891$ px

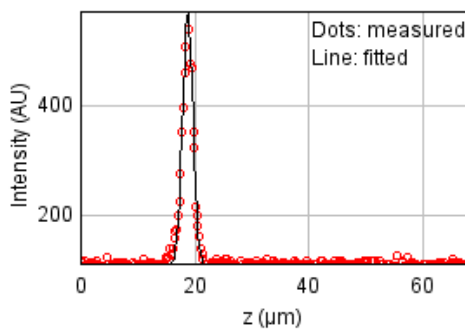
$b = -0.055$ px

$c = 0.501$ px

$x_c = 7.133$ px

$y_c = 6.630$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 22547.3491

Standard deviation: 8.56996

$R^2 = 0.98456$

Parameters:

$a = 113.42868$

$b = 568.90001$

$c = 18.85118$

$d = 0.90258$

Bead 965

Date : Mon Oct 17 13:51:37 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

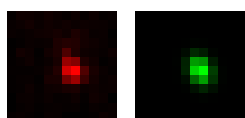
Coordinates : -7.57 μm (x), 25.6 μm (y), 19.6 μm (z)

Corresponding bead : Not found

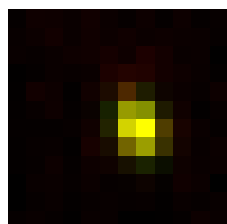
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	531 nm	553 nm	270 nm
z	1.96 μm	1.96 μm	1.3 μm
Asymmetry	0.743		
Theta	-68.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.962$



Parameters:

A = 512.756 (brightness)

B = 121.079 (background)

a = 0.809 px

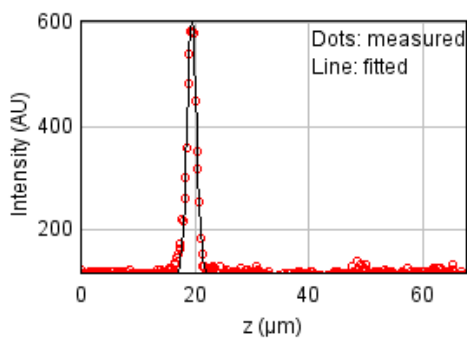
b = -0.132 px

c = 0.528 px

xc = 6.609 px

yc = 5.945 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 29846.9378

Standard deviation: 9.86009

R^2 : 0.98091

Parameters:

a = 115.52348

b = 605.07297

c = 19.56490

d = 0.83057

Bead 966

Date : Mon Oct 17 13:51:38 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

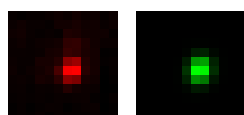
Coordinates : -67.7 μm (x), 8.93 μm (y), 19.5 μm (z)

Corresponding bead : Not found

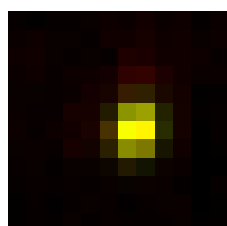
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.817		
Theta	77.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.955$



Parameters:

A = 557.339 (brightness)

B = 122.230 (background)

a = 0.825 px

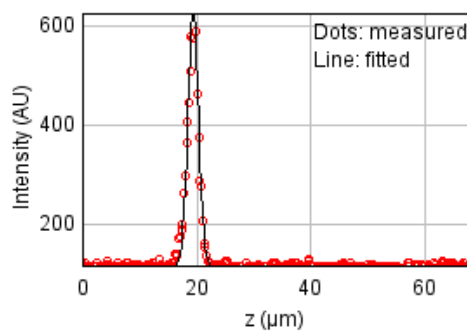
b = 0.059 px

c = 0.572 px

xc = 6.481 px

yc = 5.925 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 36337.0304

Standard deviation: 10.87941

R^2 : 0.98132

Parameters:

a = 113.83087

b = 627.46123

c = 19.45387

d = 0.94462

Bead 967

Date : Mon Oct 17 13:51:38 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

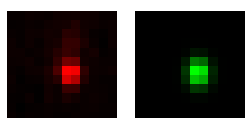
Coordinates : -35.5 μm (x), 716 nm (y), 19.5 μm (z)

Corresponding bead : Not found

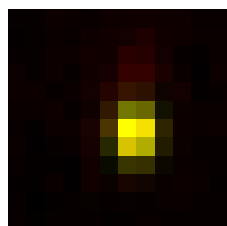
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.782		
Theta	-89.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.949$



Parameters:

$A = 589.307$ (brightness)

$B = 126.046$ (background)

$a = 0.846$ px

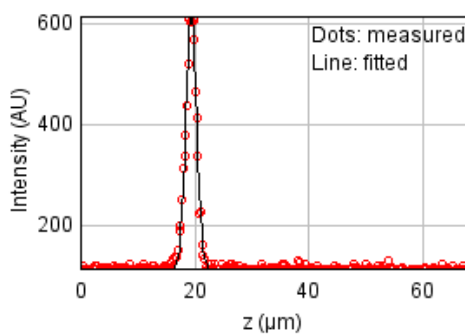
$b = -0.004$ px

$c = 0.518$ px

$x_c = 6.423$ px

$y_c = 6.243$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24883.5767

Standard deviation: 9.00300

$R^2: 0.98674$

Parameters:

$a = 113.25881$

$b = 616.93237$

$c = 19.46027$

$d = 0.95322$

Bead 968

Date : Mon Oct 17 13:51:38 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

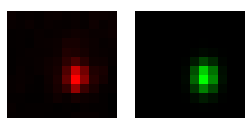
Coordinates : -16.0 μm (x), -26.7 μm (y), 19.3 μm (z)

Corresponding bead : Not found

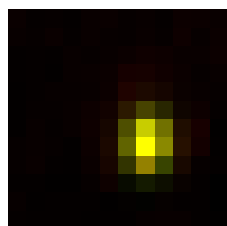
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	545 nm	567 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.761		
Theta	87.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.970$



Parameters:

A = 705.963 (brightness)

B = 123.465 (background)

a = 0.780 px

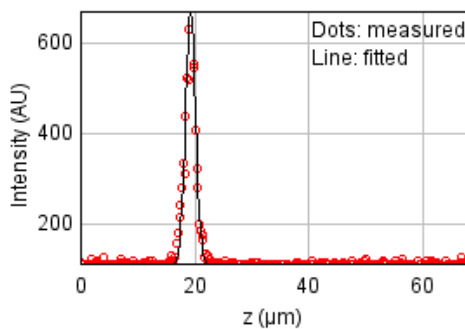
b = 0.012 px

c = 0.453 px

$x_c = 7.105$ px

$y_c = 6.741$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 66222.7748

Standard deviation: 14.68705

R^2 : 0.96932

Parameters:

a = 113.77973

b = 668.12961

c = 19.33512

d = 0.88628

Bead 969

Date : Mon Oct 17 13:51:38 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

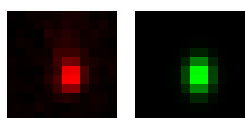
Coordinates : 72.5 μm (x), -34.5 μm (y), 19.1 μm (z)

Corresponding bead : Not found

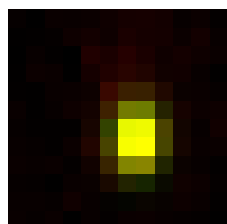
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	471 nm	270 nm
max	631 nm	657 nm	270 nm
z	2.51 μm	2.52 μm	1.3 μm
Asymmetry	0.718		
Theta	89.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.957$



Parameters:

$A = 426.711$ (brightness)

$B = 119.917$ (background)

$a = 0.655$ px

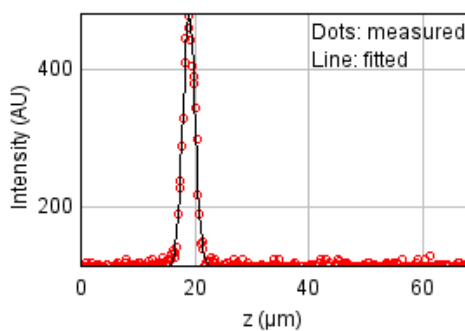
$b = 0.001$ px

$c = 0.337$ px

$x_c = 6.504$ px

$y_c = 6.534$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 19606.5287

Standard deviation: 7.99155

$R^2: 0.98260$

Parameters:

$a = 112.52428$

$b = 482.33521$

$c = 19.06474$

$d = 1.06408$

Bead 970 (Rejected)

Date : Mon Oct 17 13:51:38 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -47.5 μm (x), -45.8 μm (y), 18.1 μm (z)

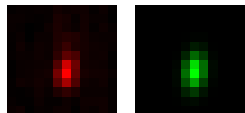
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

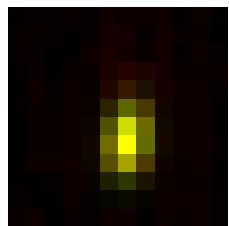
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	673 nm	701 nm	270 nm
z	1.94 μm	1.94 μm	1.3 μm
Asymmetry	0.587		
Theta	83.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.965$



Parameters:

A = 392.579 (brightness)

B = 119.594 (background)

a = 0.852 px

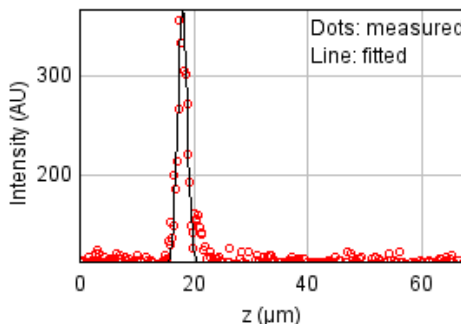
b = 0.066 px

c = 0.304 px

xc = 6.019 px

yc = 6.741 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 28211.2438

Standard deviation: 9.58610

R^2 : 0.93468

Parameters:

a = 114.08320

b = 366.47492

c = 18.10617

d = 0.82185

Bead 971

Date : Mon Oct 17 13:51:38 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

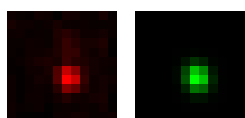
Coordinates : 138 μm (x), -95.3 μm (y), 19.2 μm (z)

Corresponding bead : Not found

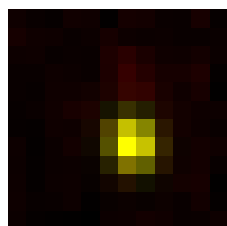
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.3 μm	2.3 μm	1.3 μm
Asymmetry	0.859		
Theta	-74.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.939$



Parameters:

$A = 340.714$ (brightness)

$B = 115.314$ (background)

$a = 0.710$ px

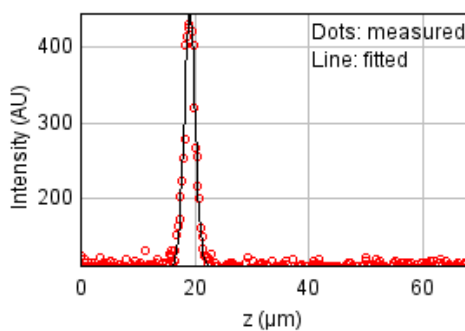
$b = -0.048$ px

$c = 0.546$ px

$x_c = 6.294$ px

$y_c = 6.786$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 18106.0916

Standard deviation: 7.67968

$R^2 = 0.97857$

Parameters:

$a = 111.25164$

$b = 444.35887$

$c = 19.19663$

$d = 0.97474$

Bead 972

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

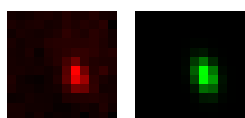
Coordinates : 88.5 μm (x), 82.5 μm (y), 18.5 μm (z)

Corresponding bead : Not found

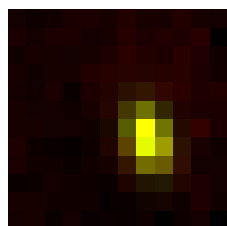
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	393 nm	270 nm
max	602 nm	627 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.627		
Theta	-73.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.921$



Parameters:

$A = 217.344$ (brightness)

$B = 121.420$ (background)

$a = 0.895$ px

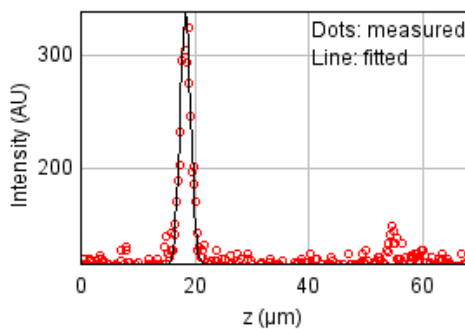
$b = -0.156$ px

$c = 0.416$ px

$x_c = 7.157$ px

$y_c = 6.542$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 29367.6838

Standard deviation: 9.78060

$R^2: 0.92226$

Parameters:

$a = 115.36193$

$b = 337.89840$

$c = 18.45079$

$d = 0.91718$

Bead 973

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

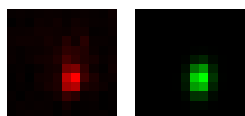
Coordinates : -2.28 μm (x), 55.7 μm (y), 19.6 μm (z)

Corresponding bead : Not found

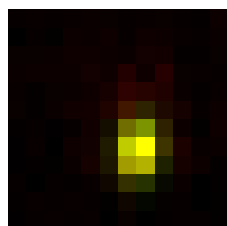
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	546 nm	569 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.705		
Theta	84.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.943$



Parameters:

A = 516.417 (brightness)

B = 125.008 (background)

a = 0.902 px

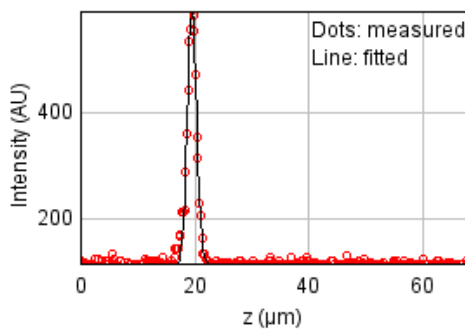
b = 0.041 px

c = 0.454 px

xc = 6.614 px

yc = 7.138 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24278.9439

Standard deviation: 8.89295

R^2 : 0.98339

Parameters:

a = 114.24262

b = 590.00826

c = 19.59350

d = 0.82392

Bead 974 (Rejected)

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -12.4 μm (x), 47.8 μm (y), 15.7 μm (z)

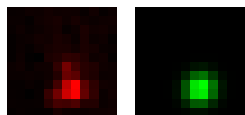
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

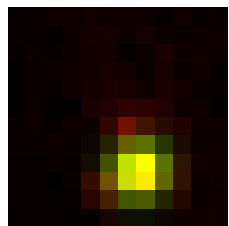
FWHM	Non corrected	Corrected	Theoretical
min	532 nm	554 nm	270 nm
max	559 nm	582 nm	270 nm
z	3.94 μm	3.95 μm	1.3 μm
Asymmetry	0.952		
Theta	55.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.898$



Parameters:

A = 398.664 (brightness)

B = 124.714 (background)

a = 0.460 px

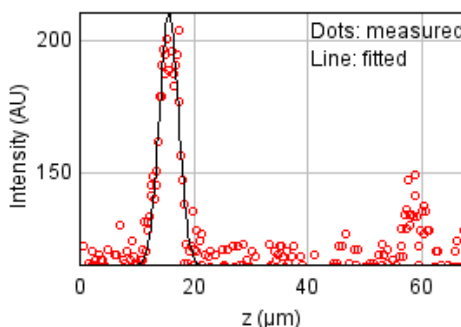
b = 0.021 px

c = 0.444 px

xc = 6.602 px

yc = 8.430 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23436.7023

Standard deviation: 8.73734

R^2 : 0.82437

Parameters:

a = 115.70867

b = 210.32839

c = 15.73691

d = 1.67125

Bead 975

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

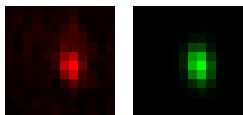
Coordinates : -12.8 μm (x), 36.0 μm (y), 18.6 μm (z)

Corresponding bead : Not found

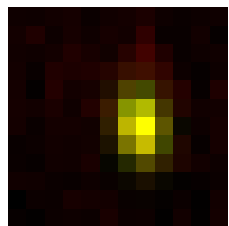
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	664 nm	692 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.643		
Theta	-81.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.920$



Parameters:

$A = 227.815$ (brightness)

$B = 120.167$ (background)

$a = 0.726$ px

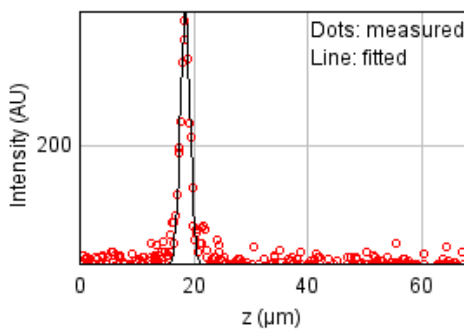
$b = -0.064$ px

$c = 0.314$ px

$x_c = 6.733$ px

$y_c = 5.948$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 18149.9575

Standard deviation: 7.68898

$R^2 = 0.92310$

Parameters:

$a = 114.80808$

$b = 297.46980$

$c = 18.57939$

$d = 0.84812$

Bead 976

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

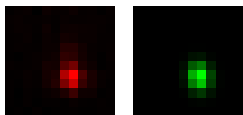
Coordinates : -16.3 μm (x), -17.5 μm (y), 20.1 μm (z)

Corresponding bead : Not found

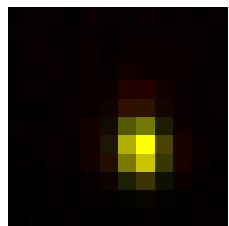
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	514 nm	535 nm	270 nm
z	1.89 μm	1.89 μm	1.3 μm
Asymmetry	0.767		
Theta	-83.0°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.967$



Parameters:

$A = 817.917$ (brightness)

$B = 129.767$ (background)

$a = 0.858$ px

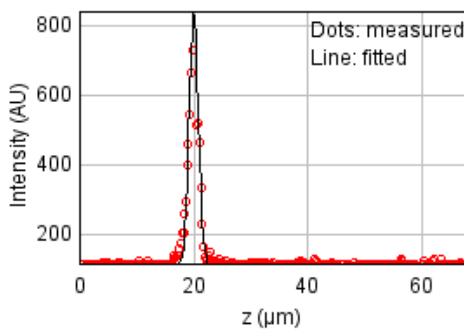
$b = -0.043$ px

$c = 0.514$ px

$x_c = 6.735$ px

$y_c = 7.217$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 85517.2094

Standard deviation: 16.69005

$R^2: 0.97443$

Parameters:

$a = 115.31794$

$b = 841.09149$

$c = 20.08345$

$d = 0.80141$

Bead 977

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

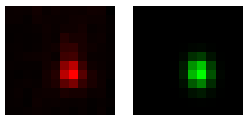
Coordinates : -6.22 μm (x), -25.6 μm (y), 19.4 μm (z)

Corresponding bead : Not found

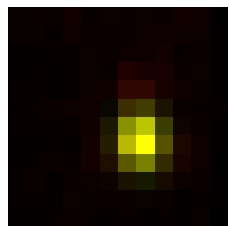
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	444 nm	270 nm
max	535 nm	558 nm	270 nm
z	2.0 μm	2.0 μm	1.3 μm
Asymmetry	0.796		
Theta	-86.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.965$



Parameters:

A = 513.556 (brightness)

B = 120.832 (background)

a = 0.739 px

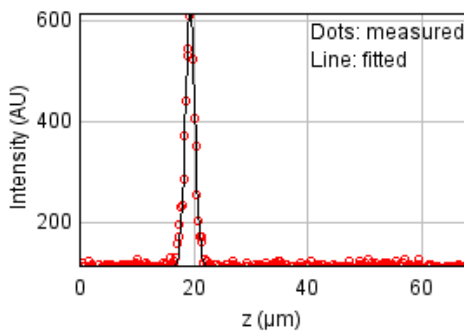
b = -0.015 px

c = 0.469 px

xc = 6.722 px

yc = 6.758 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 26010.9405

Standard deviation: 9.20468

R^2 : 0.98448

Parameters:

a = 114.16222

b = 617.00397

c = 19.43999

d = 0.84741

Bead 978

Date : Mon Oct 17 13:51:39 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

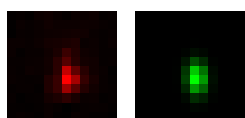
Coordinates : 41.4 μm (x), -38.4 μm (y), 19.4 μm (z)

Corresponding bead : Not found

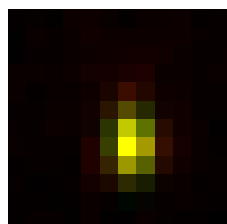
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	391 nm	270 nm
max	597 nm	621 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.629		
Theta	-87.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.943$



Parameters:

A = 582.924 (brightness)

B = 122.963 (background)

a = 0.951 px

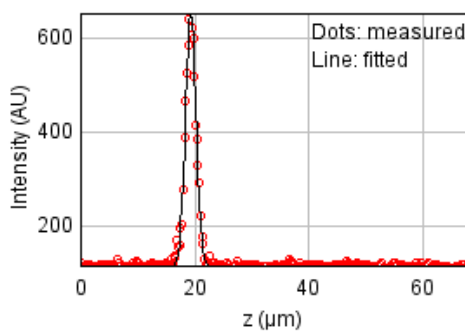
b = -0.028 px

c = 0.378 px

xc = 6.226 px

yc = 6.831 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 22593.5874

Standard deviation: 8.57874

R^2 : 0.98917

Parameters:

a = 113.08339

b = 650.71625

c = 19.37723

d = 0.93122

Bead 979

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

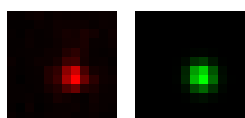
Coordinates : -37.5 μm (x), -61.6 μm (y), 19.5 μm (z)

Corresponding bead : Not found

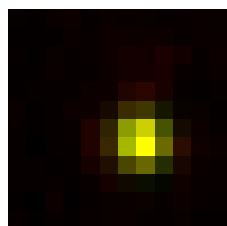
FWHM	Non corrected	Corrected	Theoretical
min	467 nm	486 nm	270 nm
max	496 nm	516 nm	270 nm
z	1.89 μm	1.89 μm	1.3 μm
Asymmetry	0.942		
Theta	-67.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.960$



Parameters:

A = 550.189 (brightness)

B = 122.818 (background)

a = 0.605 px

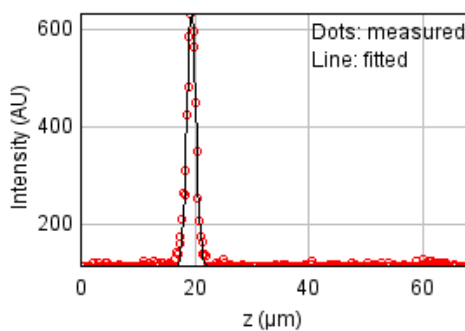
b = -0.025 px

c = 0.556 px

xc = 6.763 px

yc = 6.671 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 24598.0889

Standard deviation: 8.95120

R^2 : 0.98557

Parameters:

a = 114.55116

b = 635.78624

c = 19.49470

d = 0.80104

Bead 980

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

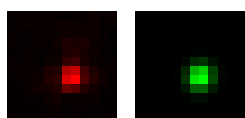
Coordinates : -87.2 μm (x), -77.9 μm (y), 19.5 μm (z)

Corresponding bead : Not found

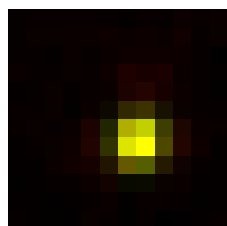
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.921		
Theta	72.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.969$



Parameters:

A = 744.605 (brightness)

B = 125.944 (background)

a = 0.694 px

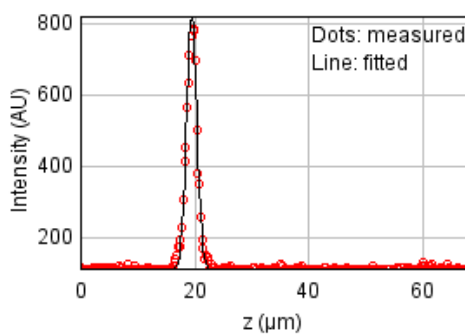
b = 0.031 px

c = 0.607 px

xc = 6.597 px

yc = 6.691 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 42328.7188

Standard deviation: 11.74217

R^2 : 0.98810

Parameters:

a = 113.88833

b = 821.17914

c = 19.54098

d = 0.91620

Bead 981 (Rejected)

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -164 μm (x), 75.2 μm (y), 18.7 μm (z)

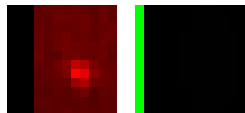
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

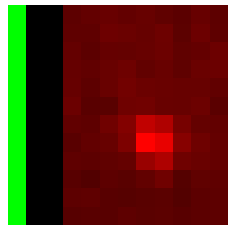
FWHM	Non corrected	Corrected	Theoretical
min	2.94 μm	3.06 μm	270 nm
max	5.81 μm	6.06 μm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.505		
Theta	-89.0°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.757$



Parameters:

$A = 297.374$ (brightness)

$B = -129.417$ (background)

$a = 0.016$ px

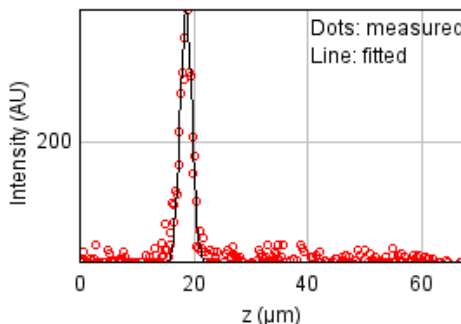
$b = -0.000$ px

$c = 0.004$ px

$x_c = 7.603$ px

$y_c = 5.512$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 17854.1424

Standard deviation: 7.62606

$R^2: 0.93918$

Parameters:

$a = 110.87816$

$b = 298.79357$

$c = 18.73686$

$d = 1.02404$

Bead 982 (Rejected)

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -48.1 μm (x), 65.3 μm (y), 11.8 μm (z)

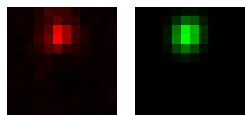
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

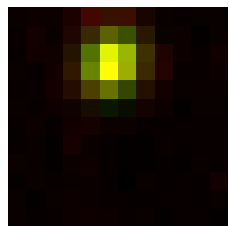
FWHM	Non corrected	Corrected	Theoretical
min	499 nm	520 nm	270 nm
max	574 nm	598 nm	270 nm
z	4.14 μm	4.16 μm	1.3 μm
Asymmetry	0.869		
Theta	67.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.936$



Parameters:

A = 432.332 (brightness)

B = 117.507 (background)

a = 0.520 px

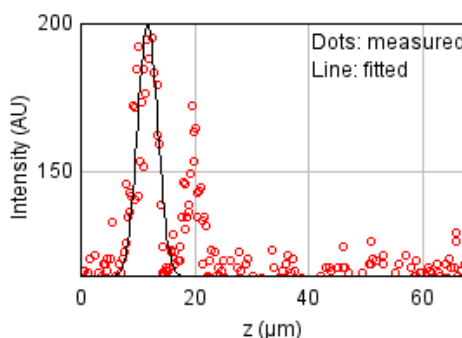
b = 0.046 px

c = 0.426 px

xc = 5.173 px

yc = 2.536 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 44337.3319

Standard deviation: 12.01754

R^2 : 0.67984

Parameters:

a = 114.67576

b = 200.23307

c = 11.84260

d = 1.75814

Bead 983

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

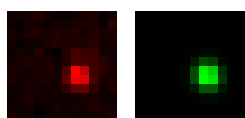
Coordinates : -126 μm (x), 58.9 μm (y), 19.0 μm (z)

Corresponding bead : Not found

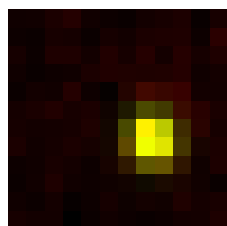
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	492 nm	512 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.892		
Theta	-74.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.933$



Parameters:

$A = 253.049$ (brightness)

$B = 118.444$ (background)

$a = 0.687$ px

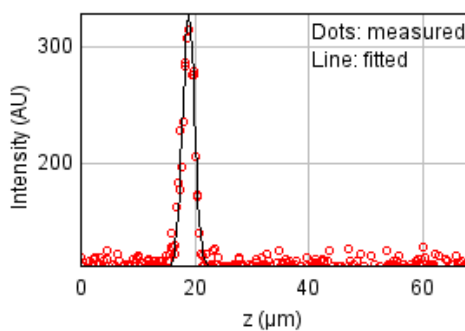
$b = -0.037$ px

$c = 0.565$ px

$x_c = 7.396$ px

$y_c = 6.573$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 19338.6330

Standard deviation: 7.93677

$R^2: 0.95045$

Parameters:

$a = 112.17643$

$b = 328.27115$

$c = 18.99678$

$d = 1.04286$

Bead 984

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

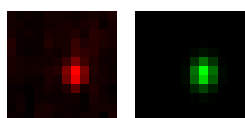
Coordinates : -130 μm (x), 56.6 μm (y), 19.2 μm (z)

Corresponding bead : Not found

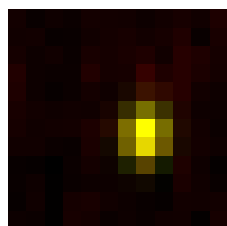
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.766		
Theta	86.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.932$



Parameters:

A = 245.535 (brightness)

B = 117.538 (background)

a = 0.844 px

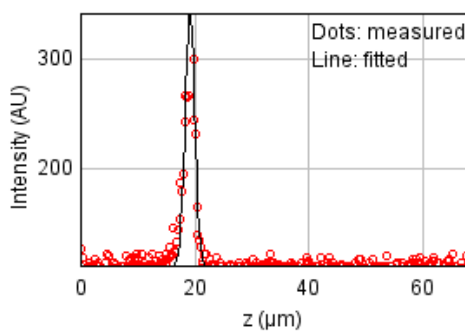
b = 0.023 px

c = 0.498 px

xc = 6.990 px

yc = 6.332 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 26647.7149

Standard deviation: 9.31667

R^2 : 0.92833

Parameters:

a = 112.48157

b = 341.45741

c = 19.22920

d = 0.85541

Bead 985

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

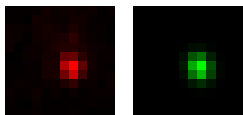
Coordinates : -21.8 μm (x), 44.9 μm (y), 19.8 μm (z)

Corresponding bead : Not found

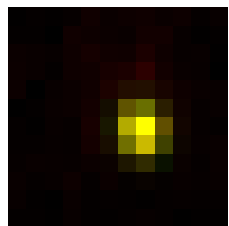
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	490 nm	511 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.833		
Theta	-75.1°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.961$



Parameters:

A = 597.690 (brightness)

B = 122.840 (background)

a = 0.788 px

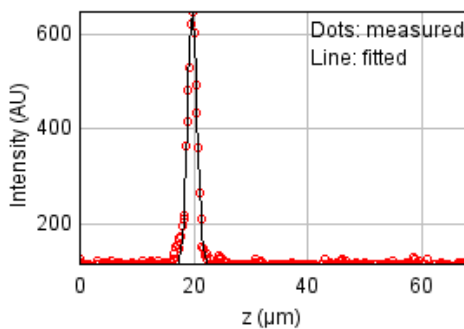
b = -0.061 px

c = 0.574 px

xc = 6.771 px

yc = 6.201 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 26275.7635

Standard deviation: 9.25142

R^2 : 0.98602

Parameters:

a = 113.43314

b = 647.90838

c = 19.82820

d = 0.84267

Bead 986

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

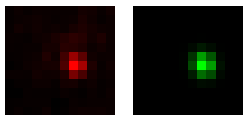
Coordinates : -128 μm (x), 13.8 μm (y), 19.5 μm (z)

Corresponding bead : Not found

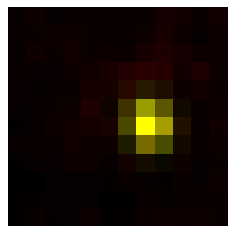
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	451 nm	469 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.863		
Theta	-74.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.948$



Parameters:

A = 416.112 (brightness)

B = 118.650 (background)

a = 0.870 px

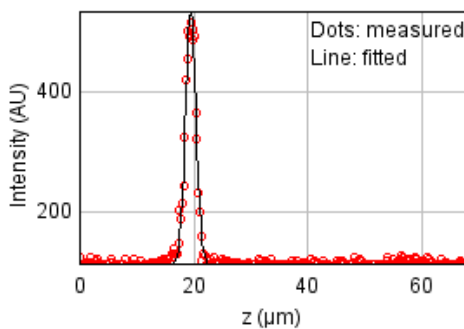
b = -0.058 px

c = 0.677 px

xc = 7.215 px

yc = 5.877 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25413.5735

Standard deviation: 9.09837

R^2 : 0.98024

Parameters:

a = 112.65212

b = 533.26997

c = 19.54471

d = 0.92983

Bead 987

Date : Mon Oct 17 13:51:40 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

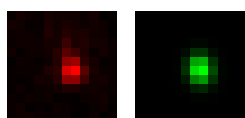
Coordinates : 27.6 μm (x), -4.71 μm (y), 19.4 μm (z)

Corresponding bead : Not found

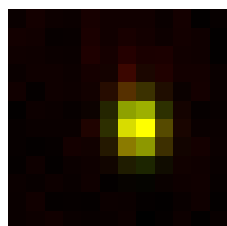
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	551 nm	574 nm	270 nm
z	1.9 μm	1.91 μm	1.3 μm
Asymmetry	0.793		
Theta	-83.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.945$



Parameters:

A = 294.600 (brightness)

B = 117.961 (background)

a = 0.698 px

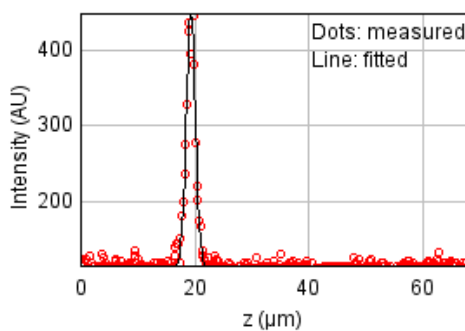
b = -0.031 px

c = 0.445 px

xc = 6.602 px

yc = 5.891 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23465.1176

Standard deviation: 8.74263

R^2 : 0.96722

Parameters:

a = 114.13010

b = 447.46177

c = 19.38987

d = 0.80753

Bead 988 (Rejected)

Date : Mon Oct 17 13:51:41 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 35.8 μm (x), -6.25 μm (y), 11.1 μm (z)

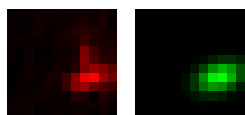
Corresponding bead : Not found

Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

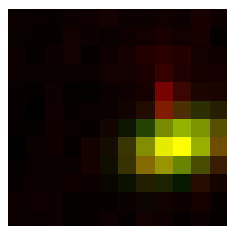
FWHM	Non corrected	Corrected	Theoretical
min	504 nm	525 nm	270 nm
max	830 nm	864 nm	270 nm
z	3.85 μm	3.86 μm	1.3 μm
Asymmetry	0.608		
Theta	17.2°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.857$



Parameters:

A = 253.285 (brightness)

B = 119.616 (background)

a = 0.224 px

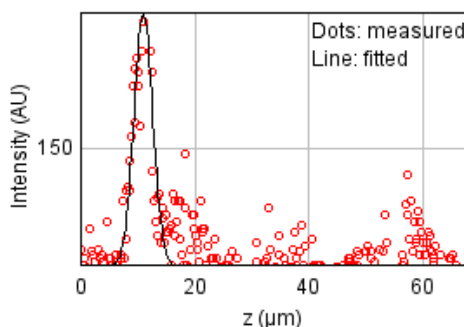
b = 0.094 px

c = 0.499 px

xc = 8.705 px

yc = 6.905 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 20807.5398

Standard deviation: 8.23268

R^2 : 0.76194

Parameters:

a = 115.88913

b = 190.28846

c = 11.08007

d = 1.63285

Bead 989

Date : Mon Oct 17 13:51:41 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

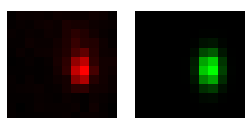
Coordinates : 45.9 μm (x), -47.2 μm (y), 19.5 μm (z)

Corresponding bead : Not found

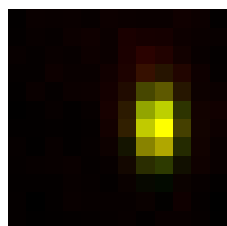
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	650 nm	677 nm	270 nm
z	2.93 μm	2.94 μm	1.3 μm
Asymmetry	0.627		
Theta	-89.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.959$



Parameters:

A = 491.368 (brightness)

B = 122.505 (background)

a = 0.808 px

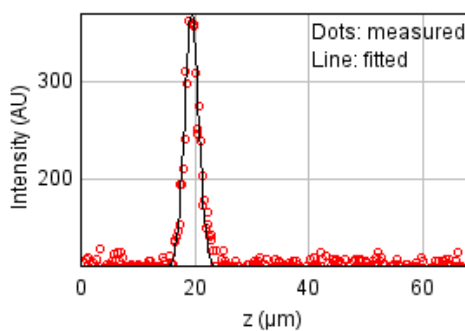
b = -0.002 px

c = 0.318 px

xc = 7.646 px

yc = 5.826 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25805.5627

Standard deviation: 9.16827

R^2 : 0.95954

Parameters:

a = 112.70220

b = 368.42767

c = 19.53035

d = 1.24232

Bead 990

Date : Mon Oct 17 13:51:41 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

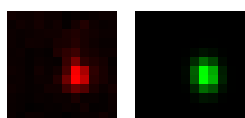
Coordinates : 79.5 μm (x), -60.1 μm (y), 19.1 μm (z)

Corresponding bead : Not found

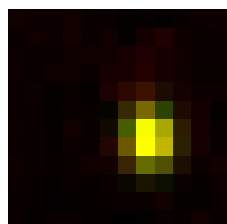
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	554 nm	577 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.788		
Theta	-83.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.954$



Parameters:

A = 364.521 (brightness)

B = 118.717 (background)

a = 0.700 px

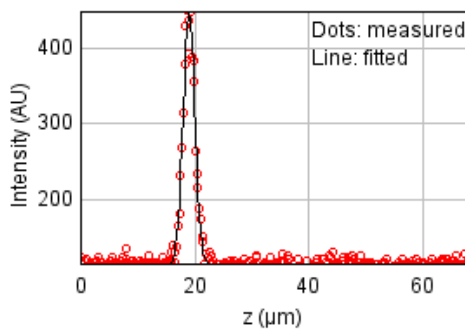
b = -0.029 px

c = 0.440 px

xc = 7.236 px

yc = 6.527 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 21010.0622

Standard deviation: 8.27265

R^2 : 0.97685

Parameters:

a = 113.68047

b = 450.09038

c = 19.06853

d = 1.02751

Bead 991

Date : Mon Oct 17 13:51:41 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

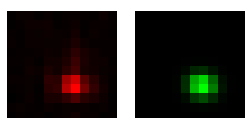
Coordinates : -52.0 μm (x), -72.8 μm (y), 20.0 μm (z)

Corresponding bead : Not found

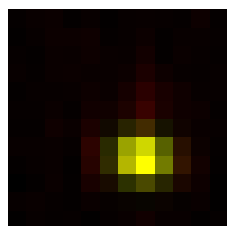
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.861		
Theta	-9.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.944$



Parameters:

$A = 527.908$ (brightness)

$B = 122.625$ (background)

$a = 0.537$ px

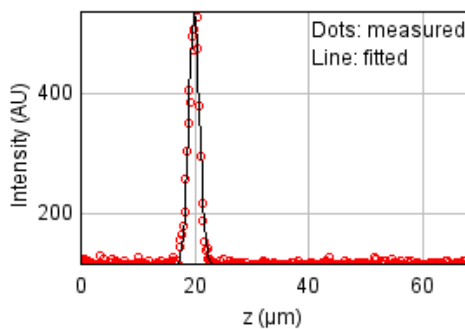
$b = -0.030$ px

$c = 0.713$ px

$x_c = 6.795$ px

$y_c = 7.611$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 33555.4662

Standard deviation: 10.45472

$R^2: 0.97502$

Parameters:

$a = 113.54321$

$b = 539.91675$

$c = 19.97966$

$d = 0.94045$

Bead 992

Date : Mon Oct 17 13:51:41 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

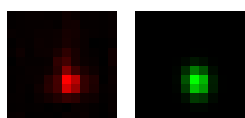
Coordinates : 26.0 μm (x), -77.4 μm (y), 19.6 μm (z)

Corresponding bead : Not found

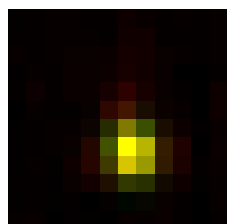
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	441 nm	270 nm
max	524 nm	546 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.808		
Theta	-79.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.941$



Parameters:

A = 597.255 (brightness)

B = 124.197 (background)

a = 0.739 px

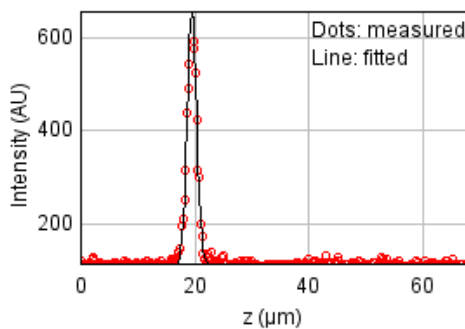
b = -0.046 px

c = 0.497 px

xc = 6.285 px

yc = 7.266 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 25921.8165

Standard deviation: 9.18890

R^2 : 0.98633

Parameters:

a = 114.26622

b = 654.22045

c = 19.58422

d = 0.83240

Bead 993

Date : Mon Oct 17 13:51:41 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

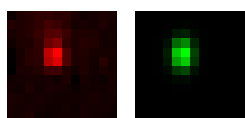
Coordinates : 75.2 μm (x), 72.0 μm (y), 11.8 μm (z)

Corresponding bead : Not found

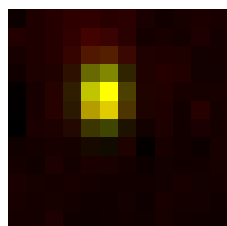
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	561 nm	584 nm	270 nm
z	2.63 μm	2.64 μm	1.3 μm
Asymmetry	0.721		
Theta	89.8°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.904$



Parameters:

$A = 362.166$ (brightness)

$B = 120.295$ (background)

$a = 0.822$ px

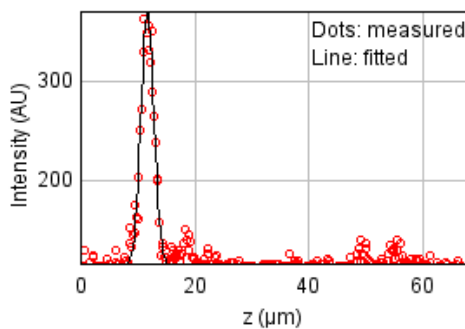
$b = 0.001$ px

$c = 0.427$ px

$xc = 4.659$ px

$yc = 4.235$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 30990.3249

Standard deviation: 10.04717

$R^2: 0.94638$

Parameters:

$a = 115.97983$

$b = 369.94930$

$c = 11.79991$

$d = 1.11803$

Bead 994

Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

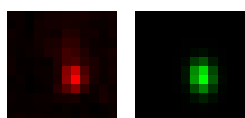
Coordinates : 84.7 μm (x), 38.0 μm (y), 19.7 μm (z)

Corresponding bead : Not found

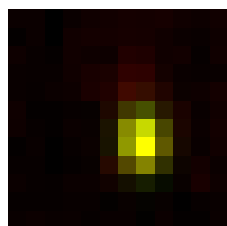
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	569 nm	592 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.722		
Theta	-84.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.926$



Parameters:

$A = 411.114$ (brightness)

$B = 120.342$ (background)

$a = 0.792$ px

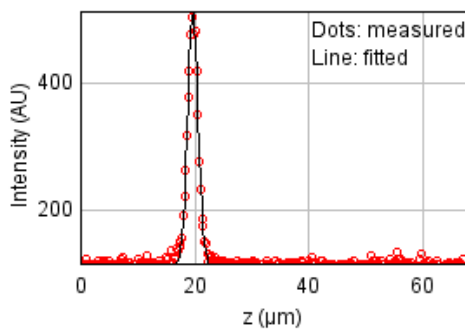
$b = -0.036$ px

$c = 0.418$ px

$x_c = 6.813$ px

$y_c = 6.681$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 15339.7907

Standard deviation: 7.06872

$R^2: 0.98656$

Parameters:

$a = 113.72565$

$b = 514.38866$

$c = 19.74858$

$d = 0.91445$

Bead 995

Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

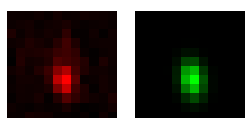
Coordinates : -12.8 μm (x), 36.0 μm (y), 18.6 μm (z)

Corresponding bead : Not found

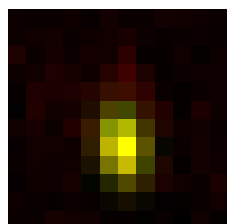
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	662 nm	689 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.643		
Theta	-81.4°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.924$



Parameters:

$A = 227.957$ (brightness)

$B = 120.534$ (background)

$a = 0.732$ px

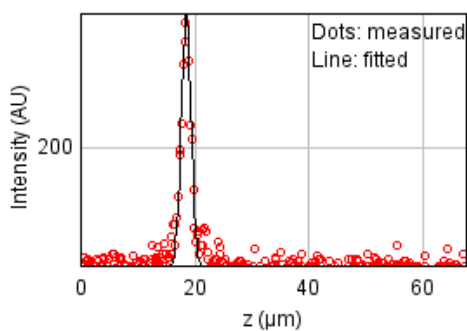
$b = -0.064$ px

$c = 0.316$ px

$x_c = 5.733$ px

$y_c = 6.949$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 18149.9575

Standard deviation: 7.68898

$R^2 = 0.92310$

Parameters:

$a = 114.80808$

$b = 297.46980$

$c = 18.57939$

$d = 0.84812$

Bead 996

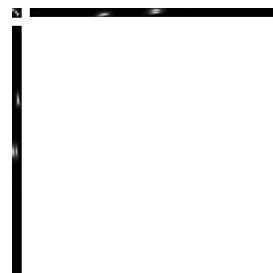
Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : 11.3 μm (x), 26.3 μm (y), 20.0 μm (z)

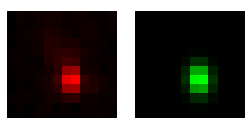
Corresponding bead : Not found



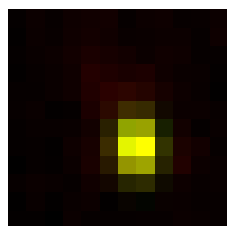
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.733		
Theta	-85.9°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.949$



Parameters:

$A = 644.608$ (brightness)

$B = 129.121$ (background)

$a = 0.831$ px

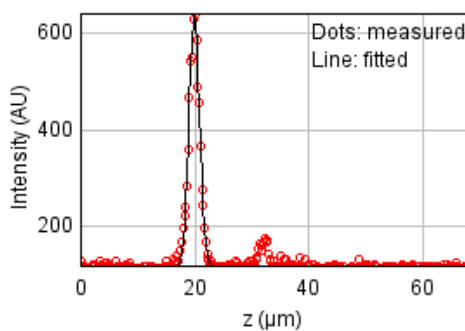
$b = -0.027$ px

$c = 0.450$ px

$x_c = 6.526$ px

$y_c = 6.977$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 44263.1324

Standard deviation: 12.00748

$R^2: 0.97769$

Parameters:

$a = 117.04393$

$b = 641.08801$

$c = 20.00182$

$d = 0.92106$

Bead 997

Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

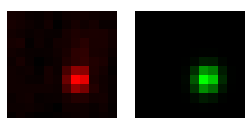
Coordinates : -90.6 μm (x), 15.3 μm (y), 19.6 μm (z)

Corresponding bead : Not found

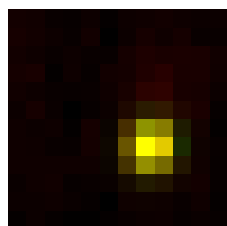
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	491 nm	511 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.907		
Theta	75.3°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.946$



Parameters:

$A = 343.040$ (brightness)

$B = 121.926$ (background)

$a = 0.669$ px

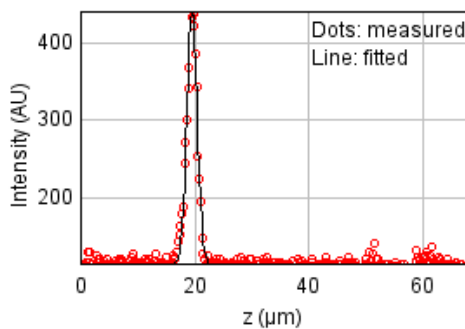
$b = 0.029$ px

$c = 0.565$ px

$x_c = 7.325$ px

$y_c = 6.969$ px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 20252.1860

Standard deviation: 8.12207

$R^2: 0.97370$

Parameters:

$a = 114.19643$

$b = 440.83737$

$c = 19.60301$

$d = 0.91612$

Bead 998 (Rejected)

Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

Coordinates : -61.1 μm (x), 1.38 μm (y), 20.3 μm (z)

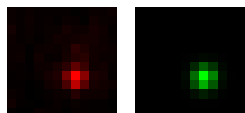
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

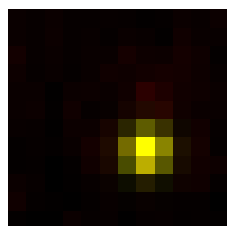
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	438 nm	457 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.953		
Theta	76.5°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.956$



Parameters:

A = 527.103 (brightness)

B = 124.063 (background)

a = 0.766 px

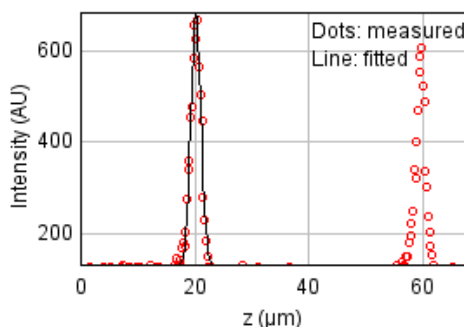
b = 0.016 px

c = 0.702 px

xc = 7.061 px

yc = 7.226 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 1410465.12

Standard deviation: 67.78163

R^2 : 0.59553

Parameters:

a = 129.75226

b = 684.12243

c = 20.29166

d = 0.87919

Bead 999

Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

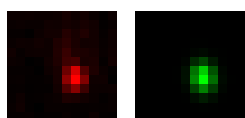
Coordinates : 117 um (x), -5.11 um (y), 19.9 um (z)

Corresponding bead : Not found

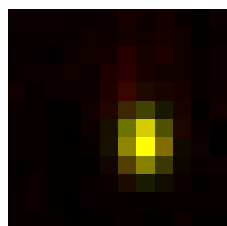
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	543 nm	566 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.775		
Theta	-83.7°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.943$



Parameters:

A = 455.980 (brightness)

B = 119.212 (background)

a = 0.754 px

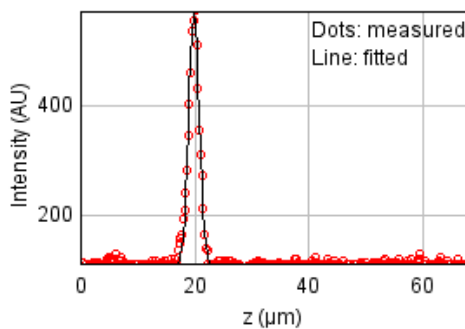
b = -0.033 px

c = 0.458 px

xc = 6.916 px

yc = 6.736 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 20367.1983

Standard deviation: 8.14510

R^2 : 0.98661

Parameters:

a = 111.92850

b = 573.26845

c = 19.94538

d = 0.91926

Bead 1000

Date : Mon Oct 17 13:51:42 PDT 2022

Origin : data_traditional.tif (Nikon 40x0.95 air)

Frame size : 12 pixels

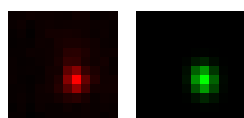
Coordinates : 46.8 μm (x), -17.9 μm (y), 20.0 μm (z)

Corresponding bead : Not found

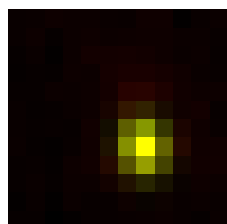
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	523 nm	545 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.797		
Theta	-79.6°		

XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.955$



Parameters:

A = 583.694 (brightness)

B = 126.175 (background)

a = 0.763 px

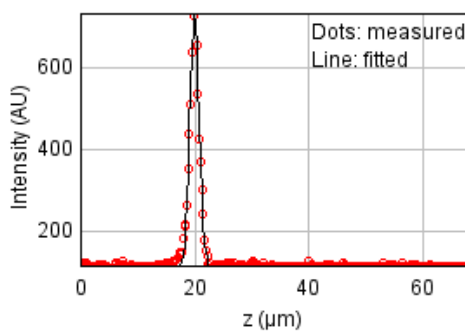
b = -0.050 px

c = 0.500 px

xc = 6.875 px

yc = 7.005 px

Z profile & fitting parameters:



Fitted on $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 23850.6655

Standard deviation: 8.81416

R^2 : 0.99016

Parameters:

a = 113.19665

b = 730.62618

c = 20.03846

d = 0.81671