

Bead 2101

Date : Mon Oct 17 13:29:19 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

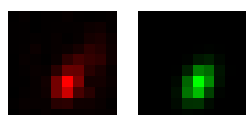
Coordinates : 133 μm (x), 74.8 μm (y), 46.7 μm (z)

Corresponding bead : Not found

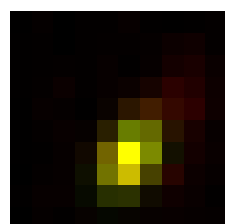
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	591 nm	611 nm	223 nm
z	1.58 μm	1.58 μm	885 nm
Asymmetry	0.653		
Theta	60.2°		

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 = 701.643 (brightness)

B = 125.763 (background)

a = 0.776 px

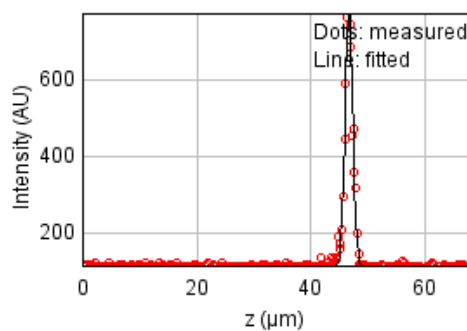
b = 0.224 px

c = 0.513 px

xc = 5.051 px

yc = 6.176 px

Z profile & fitting parameters:



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

Sum of residuals squared: 50198.0133

Standard deviation: 12.78716

R^2 : 0.97893

Parameters:

a = 110.92418

b = 780.48396

c = 46.73386

d = 0.66909

Bead 2102

Date : Mon Oct 17 13:29:19 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

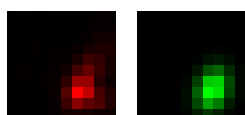
Coordinates : 61.5 μm (x), 55.3 μm (y), 47.4 μm (z)

Corresponding bead : Not found

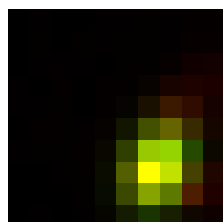
FWHM	Non corrected	Corrected	Theoretical
min	477 nm	493 nm	223 nm
max	654 nm	676 nm	223 nm
z	1.64 μm	1.65 μm	885 nm
Asymmetry	0.729		
Theta	70.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1137.246$ (brightness)

$B = 131.193$ (background)

$a = 0.559$ px

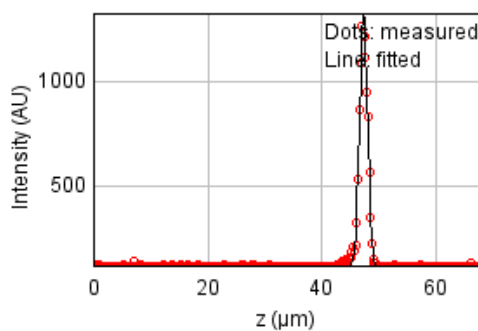
$b = 0.088$ px

$c = 0.345$ px

$x_c = 6.429$ 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: 70781.8508

Standard deviation: 15.18419

$R^2: 0.99130$

Parameters:

$a = 114.44681$

$b = 1335.13313$

$c = 47.37480$

$d = 0.69717$

Bead 2103

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

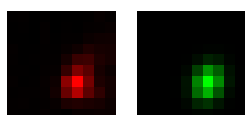
Coordinates : 77.4 μm (x), 31.9 μm (y), 47.3 μm (z)

Corresponding bead : Not found

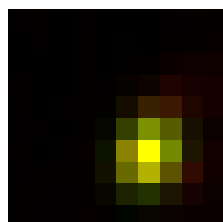
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	460 nm	223 nm
max	556 nm	575 nm	223 nm
z	1.38 μm	1.38 μm	885 nm
Asymmetry	0.8		
Theta	69.6°		

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:

$A = 1065.964$ (brightness)

$B = 128.270$ (background)

$a = 0.647$ px

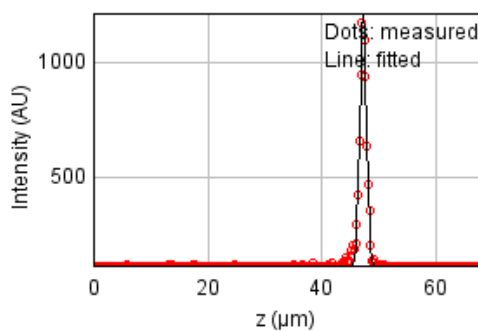
$b = 0.079$ px

$c = 0.463$ px

$x_c = 6.011$ px

$y_c = 6.108$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 42388.1948

Standard deviation: 11.75042

$R^2: 0.99242$

Parameters:

$a = 113.61326$

$b = 1216.49395$

$c = 47.29793$

$d = 0.58397$

Bead 2104

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

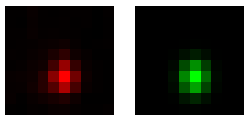
Coordinates : -108 μm (x), 19.3 μm (y), 46.6 μm (z)

Corresponding bead : Not found

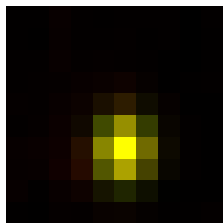
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	509 nm	526 nm	223 nm
z	1.28 μm	1.28 μm	885 nm
Asymmetry	0.822		
Theta	88.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.984$



Parameters:

$A = 1313.462$ (brightness)

$B = 127.196$ (background)

$a = 0.765$ px

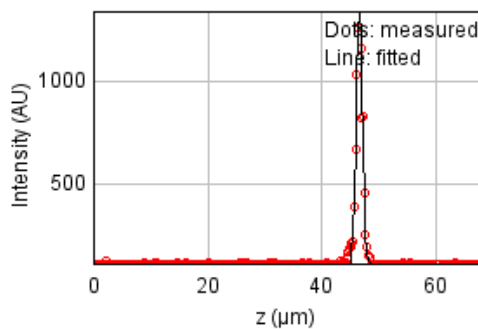
$b = 0.006$ px

$c = 0.518$ px

$x_c = 4.921$ px

$y_c = 6.062$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 102643.295

Standard deviation: 18.28505

$R^2: 0.98407$

Parameters:

$a = 113.73741$

$b = 1334.82415$

$c = 46.63352$

$d = 0.54323$

Bead 2105

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

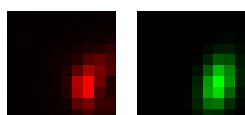
Coordinates : 114 μm (x), 19.1 μm (y), 46.8 μm (z)

Corresponding bead : Not found

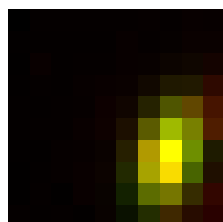
FWHM	Non corrected	Corrected	Theoretical
min	482 nm	498 nm	223 nm
max	813 nm	840 nm	223 nm
z	1.17 μm	1.18 μm	885 nm
Asymmetry	0.593		
Theta	73.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 826.837$ (brightness)

$B = 121.326$ (background)

$a = 0.546$ px

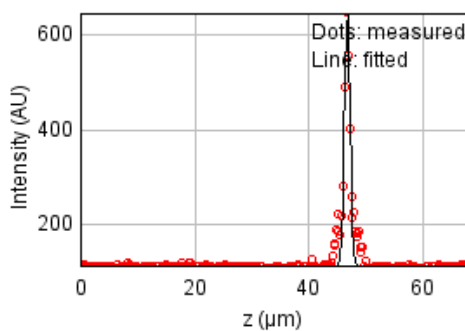
$b = 0.104$ px

$c = 0.234$ px

$x_c = 6.923$ px

$y_c = 6.214$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 87034.4109

Standard deviation: 16.83745

$R^2: 0.92728$

Parameters:

$a = 113.85507$

$b = 646.31442$

$c = 46.80207$

$d = 0.49889$

Bead 2106

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

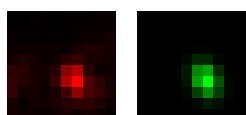
Coordinates : 75.6 μm (x), 8.61 μm (y), 47.1 μm (z)

Corresponding bead : Not found

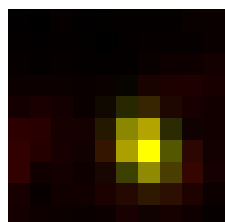
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	413 nm	223 nm
max	534 nm	552 nm	223 nm
z	1.62 μm	1.63 μm	885 nm
Asymmetry	0.747		
Theta	-65.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.919$



Parameters:

A = 826.068 (brightness)

B = 159.128 (background)

a = 0.779 px

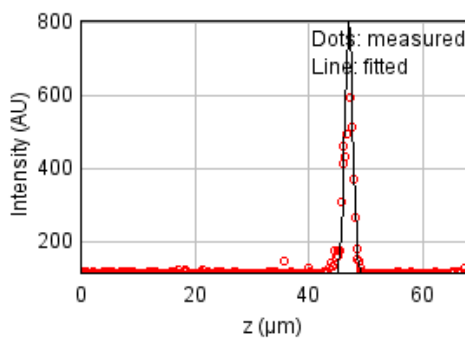
b = -0.139 px

c = 0.532 px

$x_c = 5.777$ px

$y_c = 5.859$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 183841.833

Standard deviation: 24.47107

R^2 : 0.93294

Parameters:

a = 113.76936

b = 805.83915

c = 47.07023

d = 0.68749

Bead 2107

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

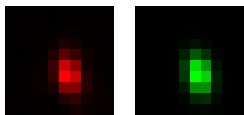
Coordinates : -24.1 μm (x), -19.5 μm (y), 46.7 μm (z)

Corresponding bead : Not found

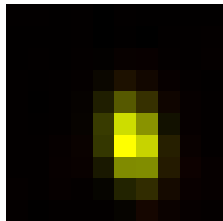
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	612 nm	633 nm	223 nm
z	1.07 μm	1.07 μm	885 nm
Asymmetry	0.636		
Theta	-78.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.993$



Parameters:

A = 1833.416 (brightness)

B = 127.932 (background)

a = 0.863 px

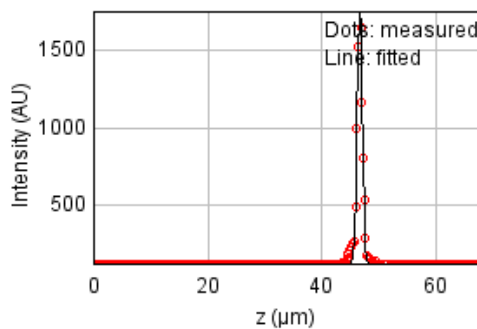
b = -0.107 px

c = 0.381 px

$x_c = 5.363$ px

$y_c = 5.796$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 107862.125

Standard deviation: 18.74413

R^2 : 0.98901

Parameters:

a = 115.92279

b = 1766.16534

c = 46.70011

d = 0.45317

Bead 2108

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

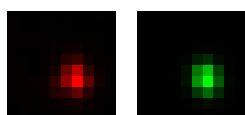
Coordinates : -108 μm (x), -40.2 μm (y), 46.9 μm (z)

Corresponding bead : Not found

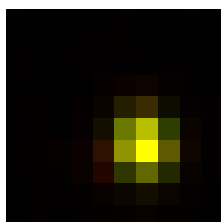
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	477 nm	493 nm	223 nm
z	1.27 μm	1.28 μm	885 nm
Asymmetry	0.855		
Theta	-77.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.981$



Parameters:

$A = 2094.051$ (brightness)

$B = 133.372$ (background)

$a = 0.798$ px

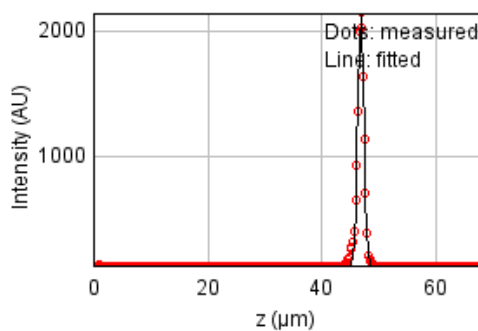
$b = -0.046$ px

$c = 0.600$ px

$x_c = 5.830$ px

$y_c = 5.734$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 114399.178

Standard deviation: 19.30378

$R^2: 0.99349$

Parameters:

$a = 115.20263$

$b = 2147.62429$

$c = 46.89653$

$d = 0.53960$

Bead 2109

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

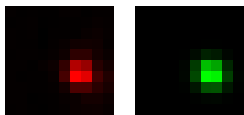
Coordinates : 73.6 μm (x), -45.7 μm (y), 46.9 μm (z)

Corresponding bead : Not found

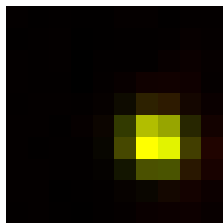
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	439 nm	223 nm
max	459 nm	475 nm	223 nm
z	1.65 μm	1.65 μm	885 nm
Asymmetry	0.924		
Theta	-26.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.982$



Parameters:

A = 1402.016 (brightness)

B = 125.991 (background)

a = 0.658 px

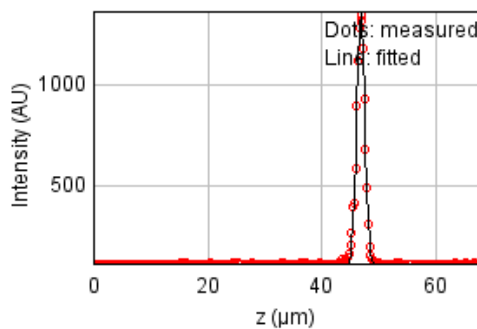
b = -0.043 px

c = 0.724 px

$x_c = 6.442$ px

$y_c = 5.733$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38831.6273

Standard deviation: 11.24666

R^2 : 0.99547

Parameters:

a = 113.20189

b = 1367.20529

c = 46.88000

d = 0.69981

Bead 2110

Date : Mon Oct 17 13:29:20 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

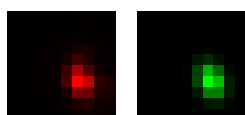
Coordinates : 88.5 μm (x), -90.0 μm (y), 46.9 μm (z)

Corresponding bead : Not found

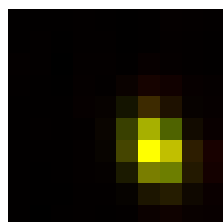
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	408 nm	223 nm
max	532 nm	550 nm	223 nm
z	1.34 μm	1.35 μm	885 nm
Asymmetry	0.741		
Theta	-66.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.982$



Parameters:

A = 1619.990 (brightness)

B = 128.965 (background)

a = 0.799 px

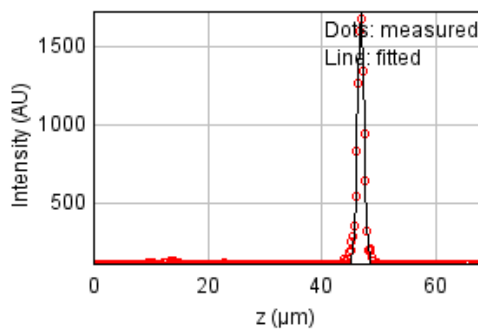
b = -0.144 px

c = 0.538 px

$x_c = 6.304$ px

$y_c = 5.926$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 80165.5925

Standard deviation: 16.15938

R^2 : 0.99303

Parameters:

a = 116.46090

b = 1717.91937

c = 46.88623

d = 0.56986

Bead 2111

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

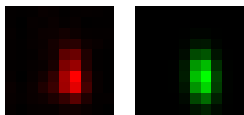
Coordinates : -82.6 μm (x), 86.2 μm (y), 47.0 μm (z)

Corresponding bead : Not found

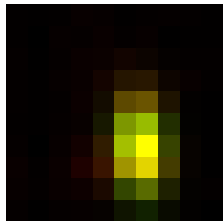
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	740 nm	765 nm	223 nm
z	1.37 μm	1.38 μm	885 nm
Asymmetry	0.547		
Theta	-86.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.958$



Parameters:

A = 998.379 (brightness)

B = 125.953 (background)

a = 0.815 px

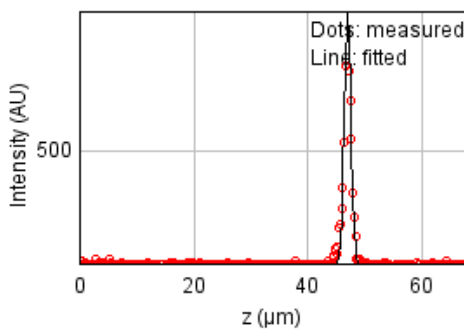
b = -0.036 px

c = 0.247 px

xc = 5.682 px

yc = 6.079 px

Z profile & fitting parameters:



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

Sum of residuals squared: 79988.3148

Standard deviation: 16.14151

R^2 : 0.97707

Parameters:

a = 114.34066

b = 979.46342

c = 47.03065

d = 0.58315

Bead 2112

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

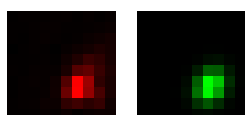
Coordinates : 109 μm (x), 66.8 μm (y), 47.2 μm (z)

Corresponding bead : Not found

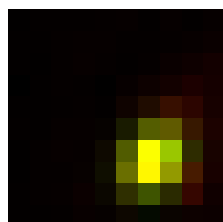
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	452 nm	223 nm
max	543 nm	562 nm	223 nm
z	1.48 μm	1.49 μm	885 nm
Asymmetry	0.806		
Theta	58.6°		

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:

$A = 953.838$ (brightness)

$B = 128.049$ (background)

$a = 0.634$ px

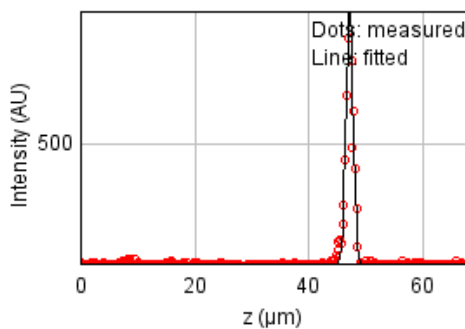
$b = 0.109$ px

$c = 0.521$ px

$x_c = 6.230$ px

$y_c = 6.418$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 94182.3483

Standard deviation: 17.51522

$R^2: 0.97249$

Parameters:

$a = 111.89869$

$b = 935.99214$

$c = 47.19606$

$d = 0.62913$

Bead 2113

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

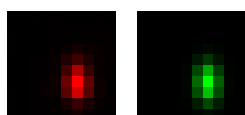
Coordinates : -31.9 μm (x), 55.9 μm (y), 47.3 μm (z)

Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	390 nm	223 nm
max	611 nm	632 nm	223 nm
z	1.21 μm	1.21 μm	885 nm
Asymmetry	0.617		
Theta	-88.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.992$



Parameters:

$A = 1981.429$ (brightness)

$B = 126.385$ (background)

$a = 0.942$ px

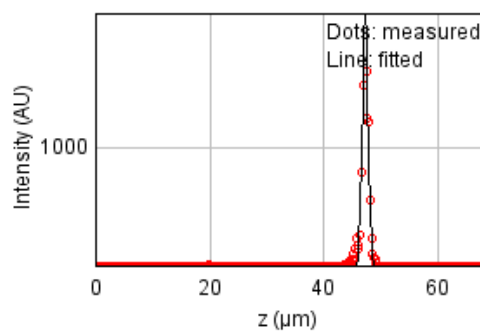
$b = -0.013$ px

$c = 0.359$ px

$x_c = 5.974$ px

$y_c = 6.101$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 375650.857

Standard deviation: 34.98026

$R^2: 0.97405$

Parameters:

$a = 116.31114$

$b = 1989.10924$

$c = 47.29737$

$d = 0.51275$

Bead 2114

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

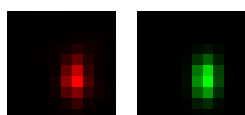
Coordinates : -19.2 μm (x), 49.6 μm (y), 47.2 μm (z)

Corresponding bead : Not found

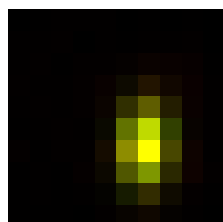
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	624 nm	645 nm	223 nm
z	1.15 μm	1.16 μm	885 nm
Asymmetry	0.606		
Theta	87.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.986$



Parameters:

A = 1697.828 (brightness)

B = 127.351 (background)

a = 0.936 px

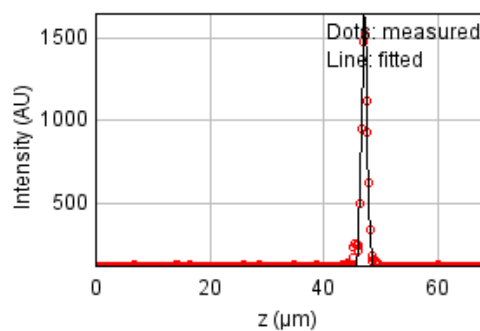
b = 0.024 px

c = 0.346 px

$x_c = 5.824$ px

$y_c = 5.745$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 347638.173

Standard deviation: 33.65073

R^2 : 0.96388

Parameters:

a = 114.97783

b = 1667.72866

c = 47.15957

d = 0.49016

Bead 2115

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

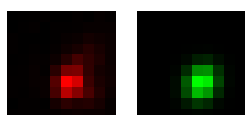
Coordinates : 76.4 μm (x), 25.3 μm (y), 47.2 μm (z)

Corresponding bead : Not found

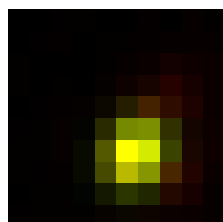
FWHM	Non corrected	Corrected	Theoretical
min	472 nm	488 nm	223 nm
max	555 nm	573 nm	223 nm
z	1.35 μm	1.36 μm	885 nm
Asymmetry	0.852		
Theta	64.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1106.707$ (brightness)

$B = 133.883$ (background)

$a = 0.570$ px

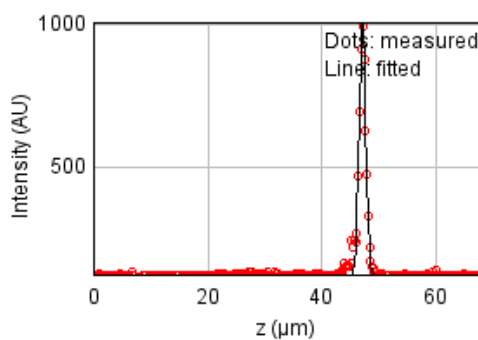
$b = 0.065$ px

$c = 0.468$ px

$x_c = 5.409$ 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: 65547.9302

Standard deviation: 14.61202

$R^2: 0.98236$

Parameters:

$a = 116.32540$

$b = 1018.83731$

$c = 47.17481$

$d = 0.57355$

Bead 2116

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

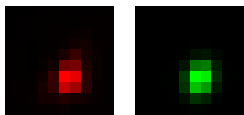
Coordinates : -152 μm (x), -72.4 μm (y), 47.5 μm (z)

Corresponding bead : Not found

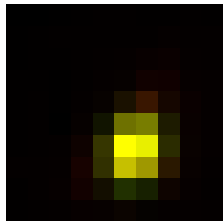
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	505 nm	522 nm	223 nm
z	1.31 μm	1.32 μm	885 nm
Asymmetry	0.793		
Theta	73.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

A = 1786.229 (brightness)

B = 129.063 (background)

a = 0.812 px

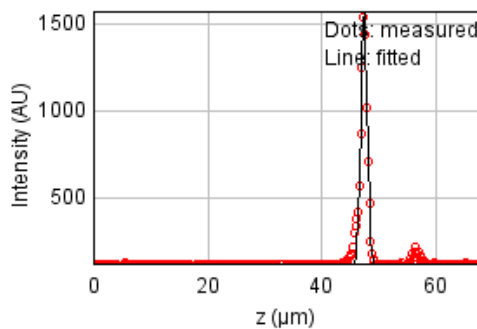
b = 0.084 px

c = 0.552 px

xc = 5.441 px

yc = 6.174 px

Z profile & fitting parameters:



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

Sum of residuals squared: 184305.449

Standard deviation: 24.50191

R^2 : 0.98055

Parameters:

a = 117.30729

b = 1576.94760

c = 47.45197

d = 0.55772

Bead 2117

Date : Mon Oct 17 13:29:21 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

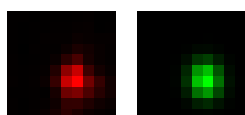
Coordinates : 17.3 μm (x), -78.3 μm (y), 47.3 μm (z)

Corresponding bead : Not found

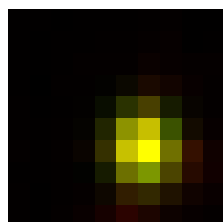
FWHM	Non corrected	Corrected	Theoretical
min	491 nm	508 nm	223 nm
max	574 nm	594 nm	223 nm
z	1.14 μm	1.15 μm	885 nm
Asymmetry	0.855		
Theta	-85.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1671.721$ (brightness)

$B = 136.044$ (background)

$a = 0.556$ px

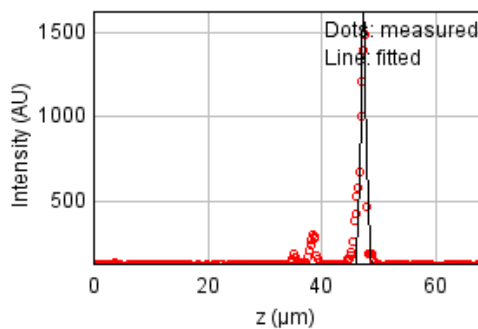
$b = -0.011$ px

$c = 0.407$ px

$x_c = 5.752$ px

$y_c = 5.850$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 1009328.78

Standard deviation: 57.33861

$R^2: 0.89561$

Parameters:

$a = 123.56845$

$b = 1631.90678$

$c = 47.34129$

$d = 0.48470$

Bead 2118

Date : Mon Oct 17 13:29:22 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

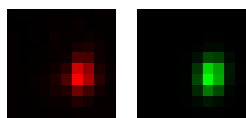
Coordinates : -86.0 μm (x), -91.9 μm (y), 46.7 μm (z)

Corresponding bead : Not found

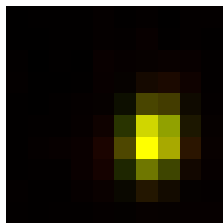
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	540 nm	558 nm	223 nm
z	1.31 μm	1.32 μm	885 nm
Asymmetry	0.733		
Theta	80.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.984$



Parameters:

A = 1547.900 (brightness)

B = 129.247 (background)

a = 0.845 px

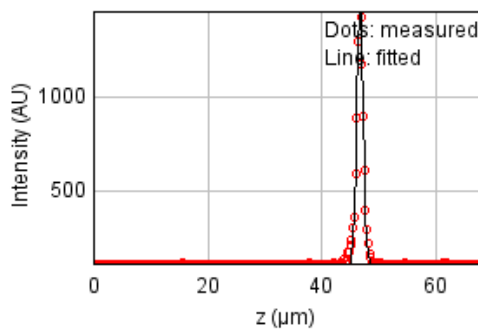
b = 0.067 px

c = 0.472 px

xc = 6.282 px

yc = 5.651 px

Z profile & fitting parameters:



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

Sum of residuals squared: 78583.4651

Standard deviation: 15.99913

R^2 : 0.99039

Parameters:

a = 115.71364

b = 1478.84819

c = 46.73909

d = 0.55695

Bead 2119

Date : Mon Oct 17 13:29:22 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

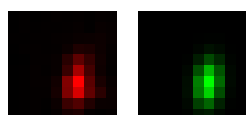
Coordinates : -7.06 μm (x), 86.6 μm (y), 47.5 μm (z)

Corresponding bead : Not found

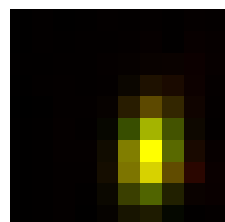
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	708 nm	732 nm	223 nm
z	1.14 μm	1.15 μm	885 nm
Asymmetry	0.575		
Theta	83.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1350.894 (brightness)

B = 128.000 (background)

a = 0.802 px

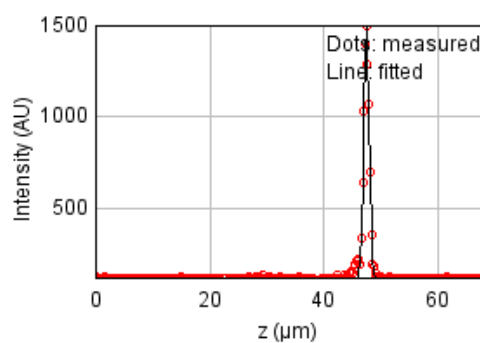
b = 0.062 px

c = 0.275 px

xc = 5.930 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: 66462.9944

Standard deviation: 14.71366

R^2 : 0.99102

Parameters:

a = 114.81326

b = 1501.50727

c = 47.52193

d = 0.48580

Bead 2120

Date : Mon Oct 17 13:29:22 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

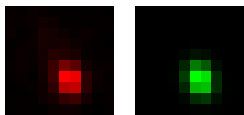
Coordinates : -159 μm (x), 86.2 μm (y), 47.6 μm (z)

Corresponding bead : Not found

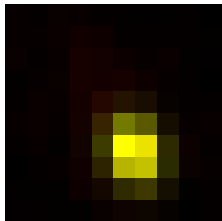
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	418 nm	223 nm
max	512 nm	530 nm	223 nm
z	1.39 μm	1.4 μm	885 nm
Asymmetry	0.79		
Theta	-70.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

$A = 1316.674$ (brightness)

$B = 137.567$ (background)

$a = 0.784$ px

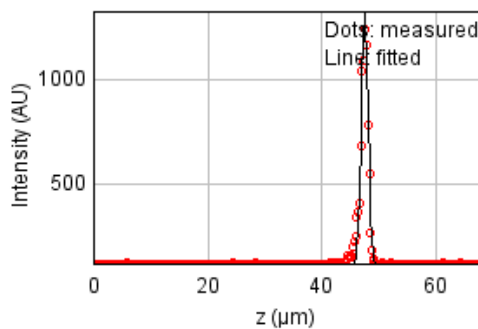
$b = -0.098$ px

$c = 0.547$ px

$x_c = 5.452$ px

$y_c = 6.258$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 138990.654

Standard deviation: 21.27765

$R^2: 0.98003$

Parameters:

$a = 113.17009$

$b = 1327.75264$

$c = 47.56749$

$d = 0.59215$

Bead 2121

Date : Mon Oct 17 13:29:22 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

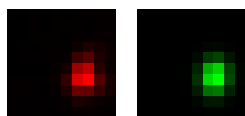
Coordinates : -2.28 μm (x), 39.4 μm (y), 47.7 μm (z)

Corresponding bead : Not found

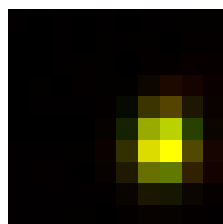
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	451 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.09 μm	1.09 μm	885 nm
Asymmetry	0.813		
Theta	82.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.980$



Parameters:

A = 2024.617 (brightness)

B = 127.303 (background)

a = 0.701 px

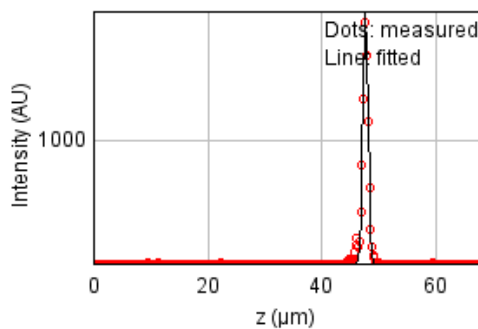
b = 0.030 px

c = 0.470 px

xc = 6.619 px

yc = 5.732 px

Z profile & fitting parameters:



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

Sum of residuals squared: 117923.648

Standard deviation: 19.59888

R^2 : 0.99036

Parameters:

a = 116.40046

b = 1941.93153

c = 47.69501

d = 0.46259

Bead 2122

Date : Mon Oct 17 13:29:22 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

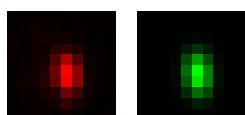
Coordinates : -120 μm (x), 24.8 μm (y), 46.9 μm (z)

Corresponding bead : Not found

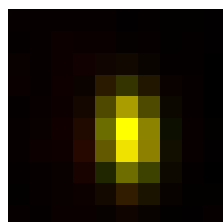
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	667 nm	689 nm	223 nm
z	1.36 μm	1.37 μm	885 nm
Asymmetry	0.63		
Theta	-84.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.985$



Parameters:

$A = 836.738$ (brightness)

$B = 120.635$ (background)

$a = 0.756$ px

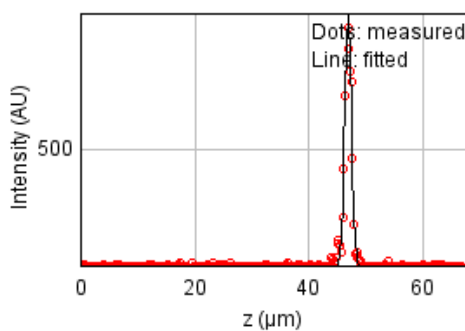
$b = -0.042$ px

$c = 0.306$ px

$x_c = 5.079$ px

$y_c = 5.310$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 88560.7265

Standard deviation: 16.98445

$R^2: 0.97351$

Parameters:

$a = 113.37836$

$b = 961.97244$

$c = 46.93850$

$d = 0.57851$

Bead 2123 (Rejected)

Date : Mon Oct 17 13:29:22 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 113 μm (x), 19.1 μm (y), 46.8 μm (z)

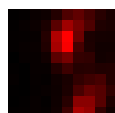
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.17 μm	1.18 μm	885 nm
Asymmetry	0.0		
Theta	0.0°		

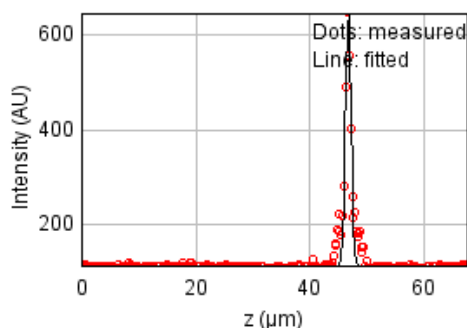
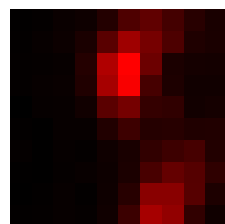
XY profile & fitting parameters :

(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: 87034.4109

Standard deviation: 16.83745

R^2 : 0.92728

Parameters:

$a = 113.85507$

$b = 646.31442$

$c = 46.80207$

$d = 0.49889$

Bead 2124

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

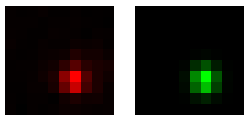
Coordinates : 128 μm (x), -2.7 μm (y), 47.0 μm (z)

Corresponding bead : Not found

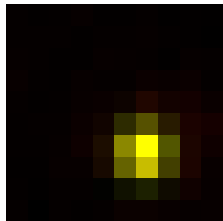
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	408 nm	223 nm
max	430 nm	444 nm	223 nm
z	1.22 μm	1.22 μm	885 nm
Asymmetry	0.917		
Theta	-88.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.977$



Parameters:

A = 704.930 (brightness)

B = 117.014 (background)

a = 0.863 px

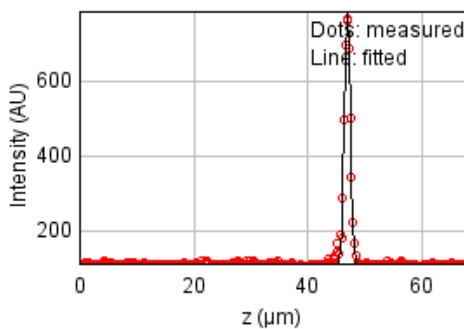
b = -0.003 px

c = 0.726 px

$x_c = 5.868$ px

$y_c = 6.290$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20500.2465

Standard deviation: 8.17166

R^2 : 0.98943

Parameters:

a = 110.80950

b = 799.51165

c = 46.98214

d = 0.51609

Bead 2125

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

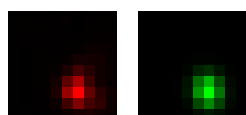
Coordinates : 48.4 μm (x), -5.03 μm (y), 47.8 μm (z)

Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	454 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.36 μm	1.36 μm	885 nm
Asymmetry	0.844		
Theta	-79.0°		

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 = 1810.019 (brightness)

B = 134.469 (background)

a = 0.687 px

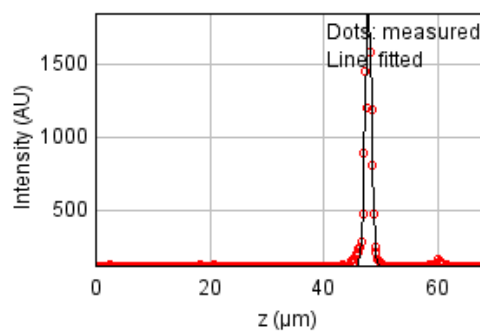
b = -0.037 px

c = 0.502 px

xc = 5.907 px

yc = 6.855 px

Z profile & fitting parameters:



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

Sum of residuals squared: 318508.316

Standard deviation: 32.21004

R^2 : 0.97770

Parameters:

a = 118.80753

b = 1879.29455

c = 47.84226

d = 0.57663

Bead 2126

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

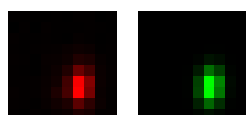
Coordinates : -79.6 μm (x), -8.46 μm (y), 47.3 μm (z)

Corresponding bead : Not found

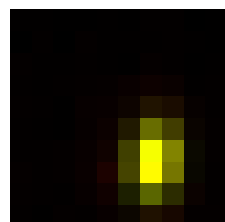
FWHM	Non corrected	Corrected	Theoretical
min	361 nm	373 nm	223 nm
max	555 nm	574 nm	223 nm
z	1.06 μm	1.07 μm	885 nm
Asymmetry	0.65		
Theta	85.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.989$



Parameters:

A = 1614.468 (brightness)

B = 130.793 (background)

a = 1.026 px

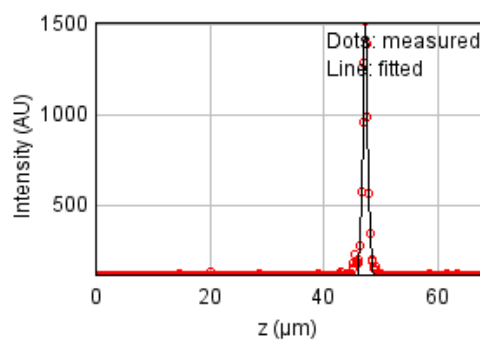
b = 0.045 px

c = 0.439 px

xc = 6.157 px

yc = 6.460 px

Z profile & fitting parameters:



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

Sum of residuals squared: 58483.4643

Standard deviation: 13.80217

R^2 : 0.99165

Parameters:

a = 115.57336

b = 1515.14246

c = 47.31470

d = 0.45085

Bead 2127

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

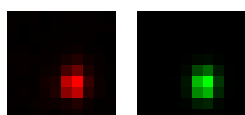
Coordinates : -143 μm (x), -11.9 μm (y), 46.8 μm (z)

Corresponding bead : Not found

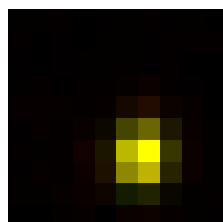
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	460 nm	476 nm	223 nm
z	1.25 μm	1.26 μm	885 nm
Asymmetry	0.821		
Theta	85.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.990$



Parameters:

A = 891.076 (brightness)

B = 116.462 (background)

a = 0.938 px

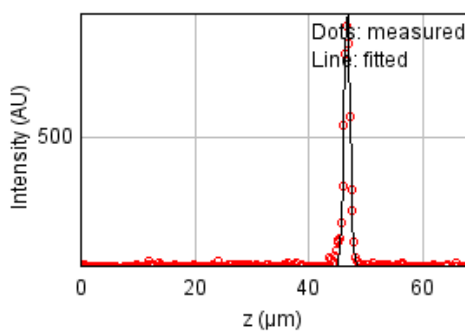
b = 0.026 px

c = 0.636 px

xc = 5.668 px

yc = 6.235 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32384.7393

Standard deviation: 10.27072

R^2 : 0.98706

Parameters:

a = 111.67372

b = 881.15991

c = 46.76208

d = 0.53271

Bead 2128

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

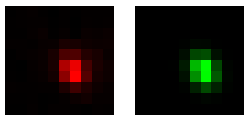
Coordinates : 148 μm (x), -11.5 μm (y), 47.3 μm (z)

Corresponding bead : Not found

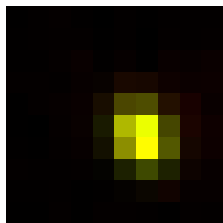
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	406 nm	223 nm
max	493 nm	509 nm	223 nm
z	1.28 μm	1.29 μm	885 nm
Asymmetry	0.796		
Theta	-64.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

$A = 1361.011$ (brightness)

$B = 125.633$ (background)

$a = 0.814$ px

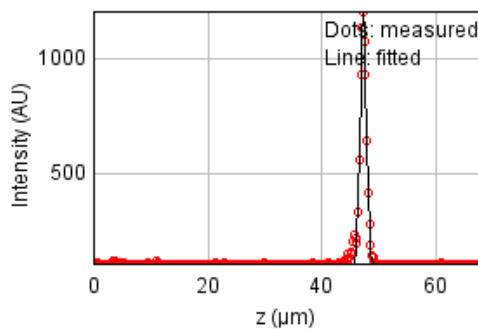
$b = -0.123$ px

$c = 0.610$ px

$x_c = 5.769$ px

$y_c = 5.441$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 62895.6774

Standard deviation: 14.31335

$R^2: 0.98778$

Parameters:

$a = 111.75740$

$b = 1203.38549$

$c = 47.31696$

$d = 0.54509$

Bead 2129

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

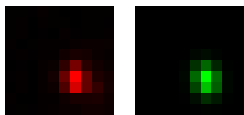
Coordinates : 57.9 μm (x), -29.8 μm (y), 47.2 μm (z)

Corresponding bead : Not found

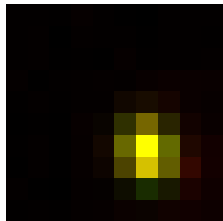
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	480 nm	496 nm	223 nm
z	1.46 μm	1.47 μm	885 nm
Asymmetry	0.801		
Theta	-76.2°		

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:

$A = 1156.428$ (brightness)

$B = 127.827$ (background)

$a = 0.892$ px

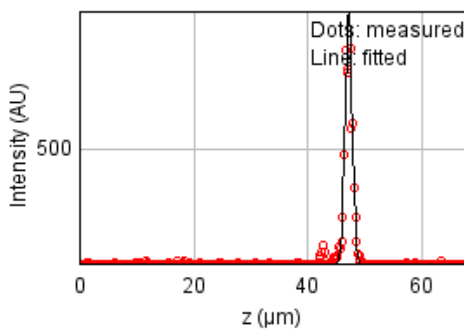
$b = -0.076$ px

$c = 0.602$ px

$x_c = 6.029$ px

$y_c = 6.269$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 185730.571

Standard deviation: 24.59645

$R^2: 0.95043$

Parameters:

$a = 114.28046$

$b = 971.68808$

$c = 47.21367$

$d = 0.62141$

Bead 2130

Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

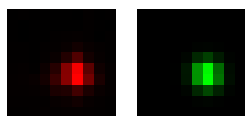
Coordinates : -63.8 μm (x), -52.3 μm (y), 47.5 μm (z)

Corresponding bead : Not found

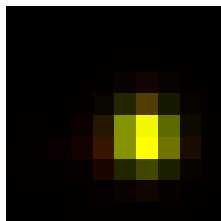
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	453 nm	468 nm	223 nm
z	1.34 μm	1.35 μm	885 nm
Asymmetry	0.965		
Theta	-57.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.981$



Parameters:

$A = 2592.137$ (brightness)

$B = 136.472$ (background)

$a = 0.688$ px

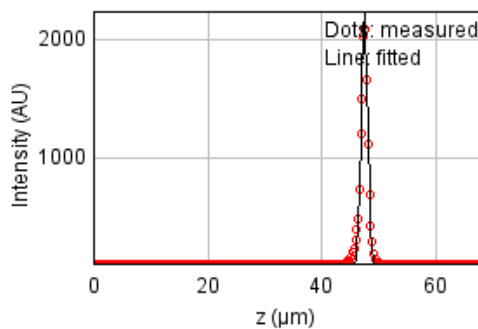
$b = -0.022$ px

$c = 0.667$ px

$x_c = 5.895$ px

$y_c = 5.520$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 196324.722

Standard deviation: 25.28822

$R^2: 0.99019$

Parameters:

$a = 116.01307$

$b = 2226.64588$

$c = 47.51891$

$d = 0.56932$

Bead 2131

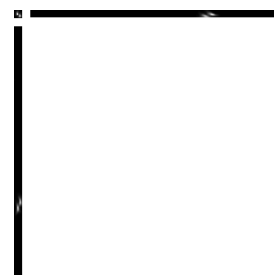
Date : Mon Oct 17 13:29:23 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 101 μm (x), -56.0 μm (y), 49.1 μm (z)

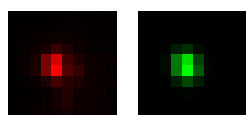
Corresponding bead : Not found



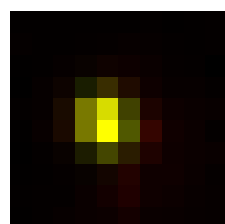
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	390 nm	223 nm
max	439 nm	454 nm	223 nm
z	1.29 μm	1.3 μm	885 nm
Asymmetry	0.859		
Theta	-69.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1329.732$ (brightness)

$B = 139.176$ (background)

$a = 0.911$ px

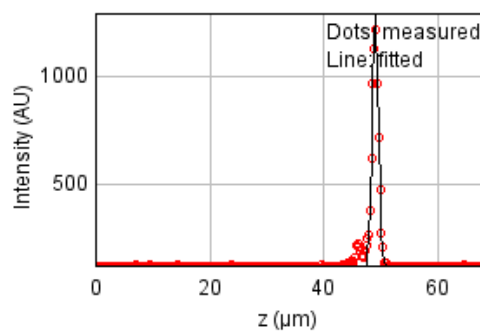
$b = -0.080$ px

$c = 0.724$ px

$x_c = 3.881$ px

$y_c = 4.591$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 88209.2300

Standard deviation: 16.95071

$R^2: 0.98536$

Parameters:

$a = 115.89378$

$b = 1292.66387$

$c = 49.08633$

$d = 0.54787$

Bead 2132

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

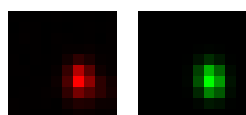
Coordinates : 31.5 μm (x), -65.1 μm (y), 47.3 μm (z)

Corresponding bead : Not found

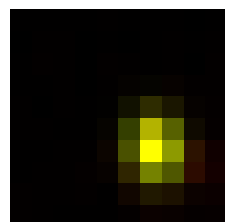
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	513 nm	531 nm	223 nm
z	1.31 μm	1.31 μm	885 nm
Asymmetry	0.78		
Theta	-81.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.978$



Parameters:

A = 1796.948 (brightness)

B = 129.855 (background)

a = 0.829 px

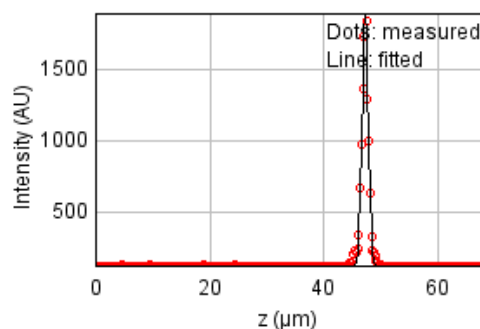
b = -0.050 px

c = 0.517 px

xc = 6.186 px

yc = 5.865 px

Z profile & fitting parameters:



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

Sum of residuals squared: 79925.9435

Standard deviation: 16.13521

R^2 : 0.99425

Parameters:

a = 114.81946

b = 1899.04982

c = 47.29925

d = 0.55475

Bead 2133

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

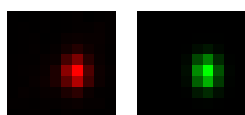
Coordinates : -121 μm (x), -73.5 μm (y), 47.3 μm (z)

Corresponding bead : Not found

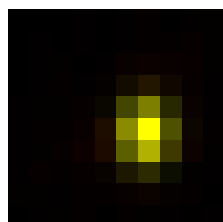
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.26 μm	1.26 μm	885 nm
Asymmetry	0.78		
Theta	-89.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.992$



Parameters:

A = 1515.799 (brightness)

B = 127.348 (background)

a = 0.878 px

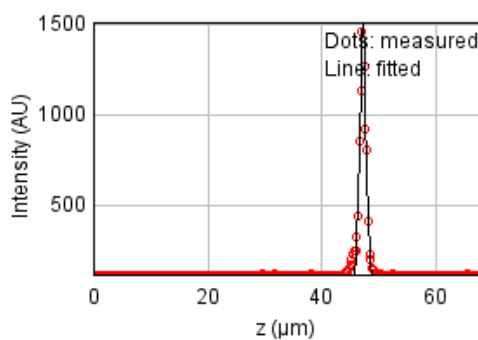
b = -0.005 px

c = 0.534 px

$x_c = 5.847$ px

$y_c = 5.154$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 113198.625

Standard deviation: 19.20222

R^2 : 0.98639

Parameters:

a = 113.97128

b = 1515.04468

c = 47.25127

d = 0.53352

Bead 2134

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

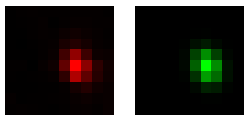
Coordinates : 93.5 μm (x), -95.5 μm (y), 47.4 μm (z)

Corresponding bead : Not found

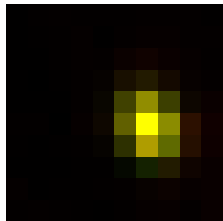
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	516 nm	533 nm	223 nm
z	1.33 μm	1.33 μm	885 nm
Asymmetry	0.781		
Theta	-70.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.981$



Parameters:

A = 1506.820 (brightness)

B = 128.528 (background)

a = 0.790 px

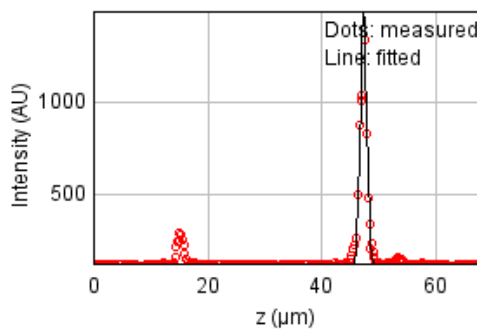
b = -0.103 px

c = 0.542 px

xc = 6.130 px

yc = 5.074 px

Z profile & fitting parameters:



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

Sum of residuals squared: 393414.539

Standard deviation: 35.79777

R^2 : 0.95569

Parameters:

a = 120.64773

b = 1507.26349

c = 47.36291

d = 0.56444

Bead 2135 (Rejected)

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : -12.0 μm (x), 73.8 μm (y), 46.6 μm (z)

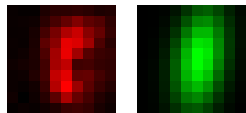
Corresponding bead : Not found

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

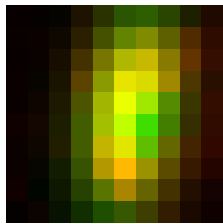
FWHM	Non corrected	Corrected	Theoretical
min	785 nm	811 nm	223 nm
max	1.63 μm	1.68 μm	223 nm
z	1.23 μm	1.24 μm	885 nm
Asymmetry	0.482		
Theta	81.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.877$



Parameters:

A = 354.846 (brightness)

B = 132.598 (background)

a = 0.214 px

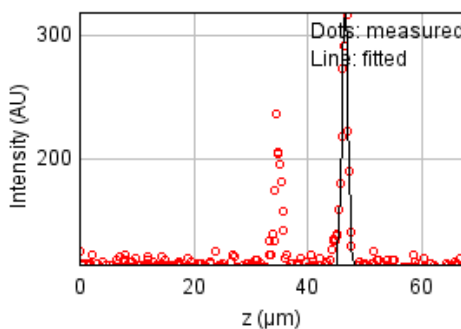
b = 0.024 px

c = 0.054 px

xc = 5.245 px

yc = 4.409 px

Z profile & fitting parameters:



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

Sum of residuals squared: 66451.2724

Standard deviation: 14.71236

R^2 : 0.72094

Parameters:

a = 115.43998

b = 319.96879

c = 46.56330

d = 0.52373

Bead 2136

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

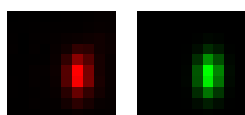
Coordinates : -10.5 μm (x), 40.8 μm (y), 47.4 μm (z)

Corresponding bead : Not found

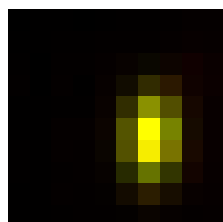
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	646 nm	667 nm	223 nm
z	1.19 μm	1.2 μm	885 nm
Asymmetry	0.6		
Theta	87.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

A = 1333.442 (brightness)

B = 126.526 (background)

a = 0.893 px

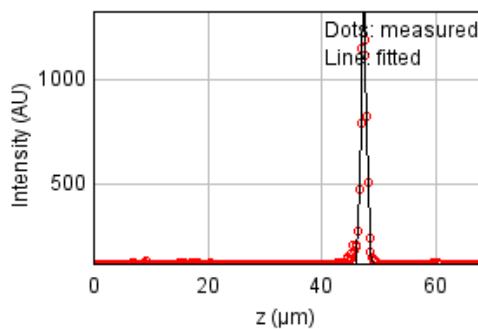
b = 0.027 px

c = 0.323 px

xc = 6.116 px

yc = 5.372 px

Z profile & fitting parameters:



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

Sum of residuals squared: 62453.3412

Standard deviation: 14.26293

R^2 : 0.98973

Parameters:

a = 115.14930

b = 1345.61438

c = 47.40009

d = 0.50700

Bead 2137

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

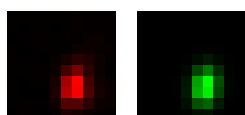
Coordinates : 11.2 μm (x), 36.2 μm (y), 47.6 μm (z)

Corresponding bead : Not found

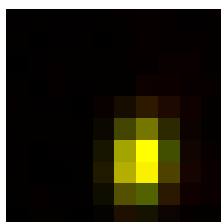
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	574 nm	593 nm	223 nm
z	1.11 μm	1.12 μm	885 nm
Asymmetry	0.706		
Theta	81.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.986$



Parameters:

$A = 1161.553$ (brightness)

$B = 122.573$ (background)

$a = 0.810$ px

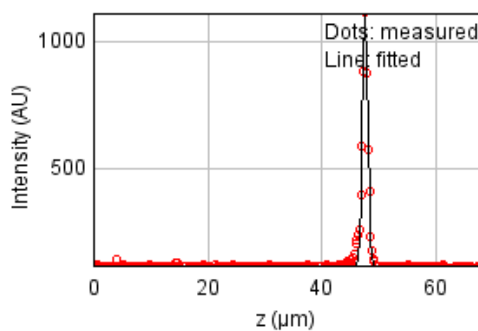
$b = 0.059$ px

$c = 0.416$ px

$x_c = 5.738$ px

$y_c = 6.464$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 60259.9607

Standard deviation: 14.01023

$R^2: 0.98462$

Parameters:

$a = 114.86187$

$b = 1134.20734$

$c = 47.62900$

$d = 0.47240$

Bead 2138

Date : Mon Oct 17 13:29:24 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

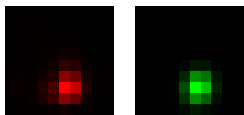
Coordinates : -86.2 μm (x), 36.3 μm (y), 47.9 μm (z)

Corresponding bead : Not found

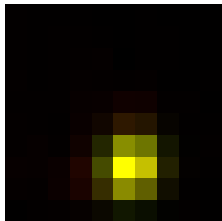
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	478 nm	494 nm	223 nm
z	1.12 μm	1.12 μm	885 nm
Asymmetry	0.872		
Theta	74.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

$A = 1928.784$ (brightness)

$B = 129.926$ (background)

$a = 0.759$ px

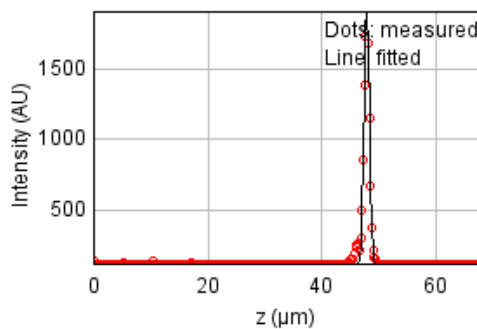
$b = 0.047$ px

$c = 0.600$ px

$x_c = 5.313$ px

$y_c = 6.967$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 100791.843

Standard deviation: 18.11939

$R^2: 0.99165$

Parameters:

$a = 115.64106$

$b = 1908.01843$

$c = 47.91517$

$d = 0.47413$

Bead 2139 (Rejected)

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : -68.9 μm (x), 34.5 μm (y), 63.6 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	263 nm	264 nm	885 nm
Asymmetry	0.0		
Theta	0.0°		

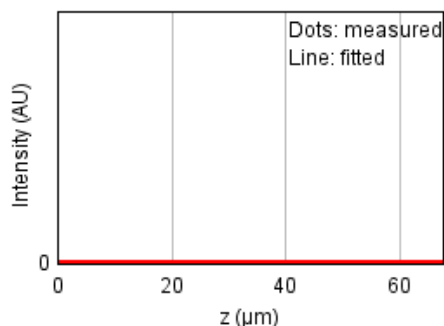
XY profile & fitting parameters :

(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: 0.00000E0

Standard deviation: 0.00000E0

R²: 0.00000

Parameters:

a = 0.00000E0

b = 0.00000E0

c = -0.11115

d = 0.11151

Bead 2140

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

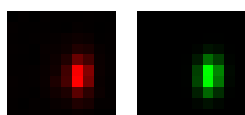
Coordinates : -79.6 μm (x), -8.46 μm (y), 47.3 μm (z)

Corresponding bead : Not found

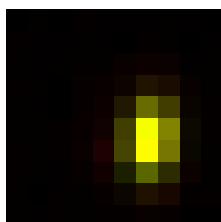
FWHM	Non corrected	Corrected	Theoretical
min	360 nm	373 nm	223 nm
max	555 nm	573 nm	223 nm
z	1.06 μm	1.07 μm	885 nm
Asymmetry	0.65		
Theta	85.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.989$



Parameters:

A = 1614.216 (brightness)

B = 132.088 (background)

a = 1.029 px

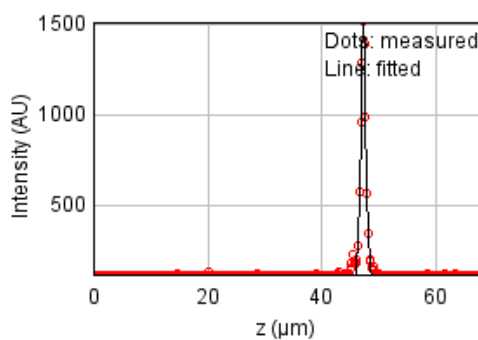
b = 0.046 px

c = 0.440 px

xc = 6.158 px

yc = 5.460 px

Z profile & fitting parameters:



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

Sum of residuals squared: 58483.4643

Standard deviation: 13.80217

R^2 : 0.99165

Parameters:

a = 115.57336

b = 1515.14246

c = 47.31470

d = 0.45085

Bead 2141

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

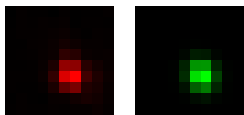
Coordinates : 113 μm (x), -88.0 μm (y), 47.7 μm (z)

Corresponding bead : Not found

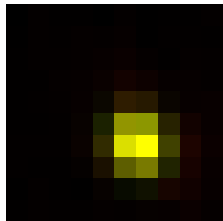
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	428 nm	223 nm
max	471 nm	487 nm	223 nm
z	1.28 μm	1.28 μm	885 nm
Asymmetry	0.88		
Theta	-66.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.985$



Parameters:

A = 1673.718 (brightness)

B = 130.272 (background)

a = 0.753 px

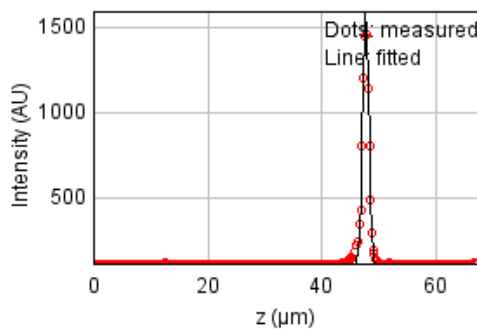
b = -0.064 px

c = 0.633 px

$x_c = 5.582$ px

$y_c = 5.875$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 60693.8327

Standard deviation: 14.06058

R^2 : 0.99347

Parameters:

a = 113.42786

b = 1588.39187

c = 47.73527

d = 0.54234

Bead 2142

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

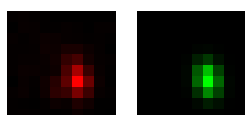
Coordinates : -112 μm (x), 67.8 μm (y), 47.5 μm (z)

Corresponding bead : Not found

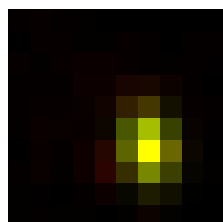
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	542 nm	561 nm	223 nm
z	1.28 μm	1.29 μm	885 nm
Asymmetry	0.697		
Theta	-80.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 827.285$ (brightness)

$B = 127.223$ (background)

$a = 0.927$ px

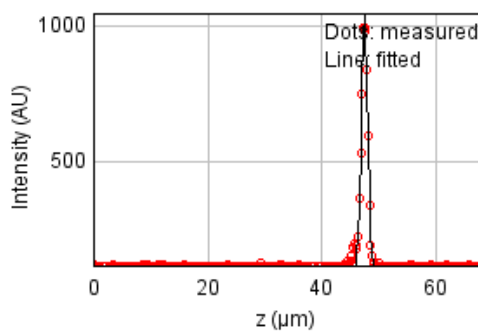
$b = -0.076$ px

$c = 0.469$ px

$x_c = 5.987$ px

$y_c = 5.815$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38608.7222

Standard deviation: 11.21434

$R^2: 0.98966$

Parameters:

$a = 113.25084$

$b = 1045.17448$

$c = 47.53429$

$d = 0.54386$

Bead 2143

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

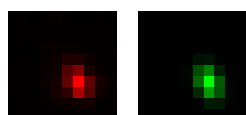
Coordinates : -140 μm (x), 40.7 μm (y), 47.9 μm (z)

Corresponding bead : Not found

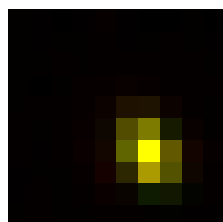
FWHM	Non corrected	Corrected	Theoretical
min	349 nm	361 nm	223 nm
max	511 nm	529 nm	223 nm
z	1.1 μm	1.11 μm	885 nm
Asymmetry	0.683		
Theta	-65.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.986$



Parameters:

A = 1385.546 (brightness)

B = 122.110 (background)

a = 1.001 px

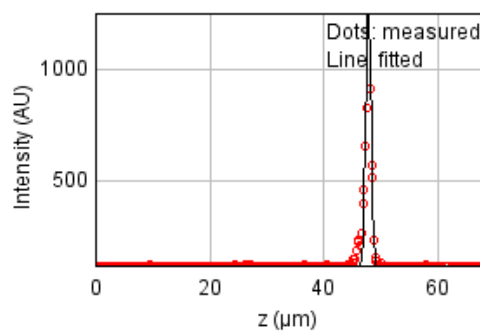
b = -0.221 px

c = 0.613 px

$x_c = 5.983$ px

$y_c = 6.081$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 228665.818

Standard deviation: 27.29175

R^2 : 0.95647

Parameters:

a = 113.69539

b = 1282.08182

c = 47.85311

d = 0.46827

Bead 2144

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

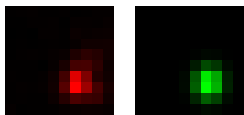
Coordinates : 88.1 μm (x), 40.8 μm (y), 48.4 μm (z)

Corresponding bead : Not found

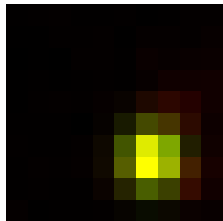
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	498 nm	515 nm	223 nm
z	1.53 μm	1.53 μm	885 nm
Asymmetry	0.891		
Theta	86.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1251.641 (brightness)

B = 133.961 (background)

a = 0.680 px

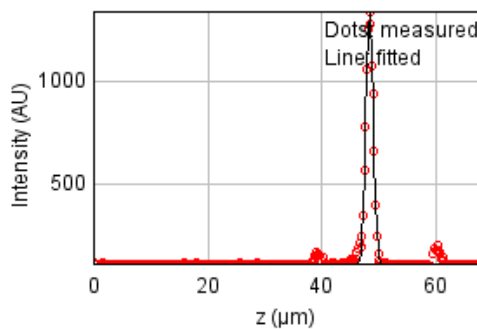
b = 0.008 px

c = 0.541 px

xc = 6.240 px

yc = 6.573 px

Z profile & fitting parameters:



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

Sum of residuals squared: 100858.127

Standard deviation: 18.12534

R^2 : 0.98662

Parameters:

a = 119.34964

b = 1333.08541

c = 48.43483

d = 0.64859

Bead 2145 (Rejected)

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 76.8 μm (x), 41.8 nm (y), 48.1 μm (z)

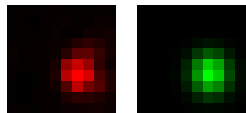
Corresponding bead : Not found

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

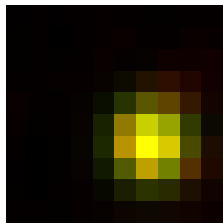
FWHM	Non corrected	Corrected	Theoretical
min	588 nm	608 nm	223 nm
max	636 nm	657 nm	223 nm
z	2.31 μm	2.31 μm	885 nm
Asymmetry	0.925		
Theta	-84.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 824.498 (brightness)

B = 120.519 (background)

a = 0.388 px

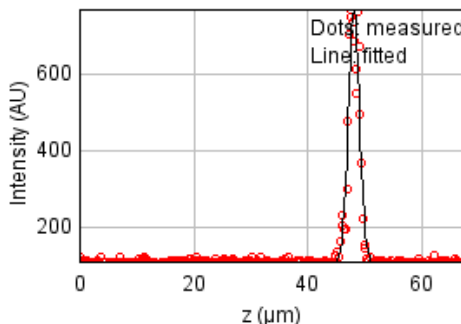
b = -0.005 px

c = 0.333 px

xc = 6.198 px

yc = 5.810 px

Z profile & fitting parameters:



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

Sum of residuals squared: 176226.712

Standard deviation: 23.95889

R^2 : 0.94762

Parameters:

a = 112.26732

b = 764.92283

c = 48.13928

d = 0.97908

Bead 2146 (Rejected)

Date : Mon Oct 17 13:29:25 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 76.8 μm (x), 42.4 nm (y), 48.1 μm (z)

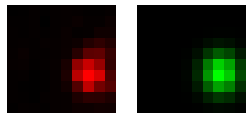
Corresponding bead : Not found

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

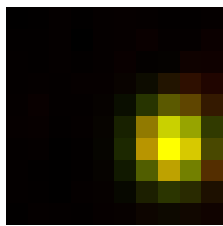
FWHM	Non corrected	Corrected	Theoretical
min	585 nm	605 nm	223 nm
max	640 nm	662 nm	223 nm
z	2.31 μm	2.31 μm	885 nm
Asymmetry	0.914		
Theta	-87.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.968$



Parameters:

A = 829.659 (brightness)

B = 116.834 (background)

a = 0.392 px

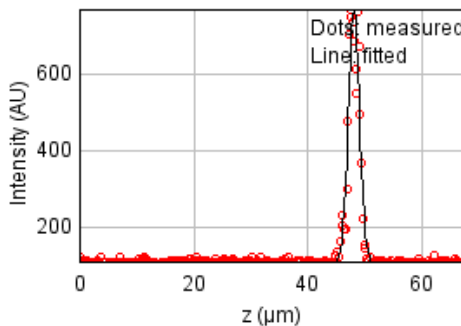
b = -0.003 px

c = 0.327 px

xc = 7.191 px

yc = 5.807 px

Z profile & fitting parameters:



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

Sum of residuals squared: 176226.712

Standard deviation: 23.95889

R^2 : 0.94762

Parameters:

a = 112.26732

b = 764.92283

c = 48.13928

d = 0.97908

Bead 2147

Date : Mon Oct 17 13:29:26 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

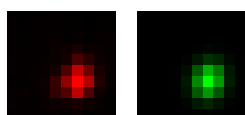
Coordinates : -130 μm (x), -31.4 μm (y), 47.9 μm (z)

Corresponding bead : Not found

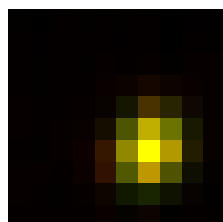
FWHM	Non corrected	Corrected	Theoretical
min	478 nm	494 nm	223 nm
max	556 nm	575 nm	223 nm
z	1.31 μm	1.32 μm	885 nm
Asymmetry	0.86		
Theta	70.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.976$



Parameters:

A = 1228.846 (brightness)

B = 119.462 (background)

a = 0.570 px

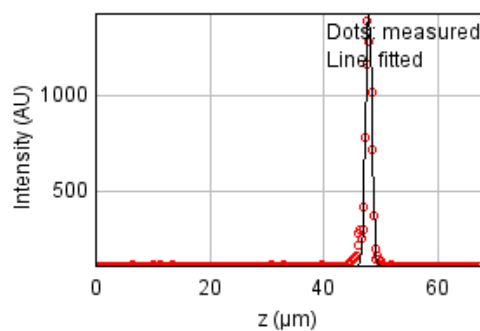
b = 0.047 px

c = 0.451 px

$x_c = 6.058$ px

$y_c = 5.916$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 282396.492

Standard deviation: 30.32917

R^2 : 0.96380

Parameters:

a = 113.26263

b = 1426.11938

c = 47.92035

d = 0.55775

Bead 2148

Date : Mon Oct 17 13:29:26 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

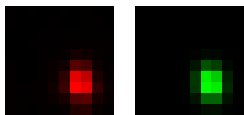
Coordinates : -38.2 μm (x), -33.1 μm (y), 48.1 μm (z)

Corresponding bead : Not found

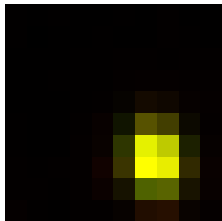
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	413 nm	223 nm
max	517 nm	534 nm	223 nm
z	1.28 μm	1.28 μm	885 nm
Asymmetry	0.773		
Theta	-81.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.991$



Parameters:

A = 2430.919 (brightness)

B = 126.585 (background)

a = 0.834 px

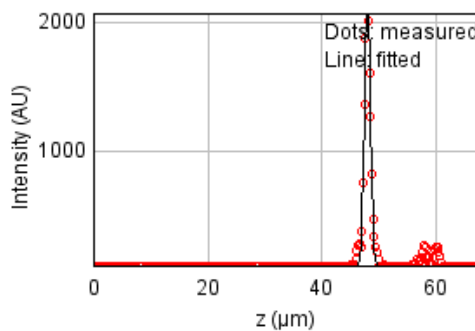
b = -0.050 px

c = 0.510 px

$x_c = 6.430$ px

$y_c = 6.599$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 378743.766

Standard deviation: 35.12397

R^2 : 0.97747

Parameters:

a = 122.99015

b = 2088.57401

c = 48.05270

d = 0.54333

Bead 2149

Date : Mon Oct 17 13:29:26 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

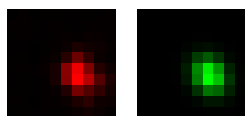
Coordinates : 16.3 μm (x), -67.0 μm (y), 48.1 μm (z)

Corresponding bead : Not found

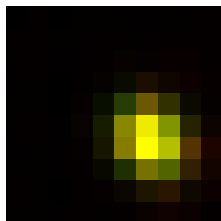
FWHM	Non corrected	Corrected	Theoretical
min	488 nm	504 nm	223 nm
max	587 nm	607 nm	223 nm
z	1.43 μm	1.43 μm	885 nm
Asymmetry	0.831		
Theta	-54.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.978$



Parameters:

A = 1473.922 (brightness)

B = 123.761 (background)

a = 0.505 px

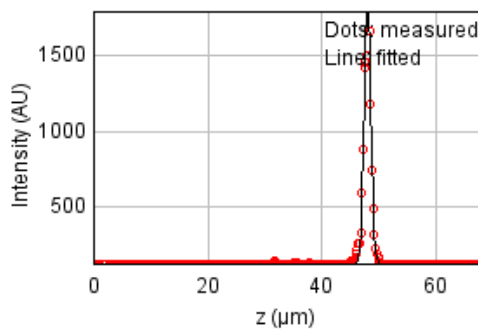
b = -0.082 px

c = 0.448 px

xc = 6.151 px

yc = 5.621 px

Z profile & fitting parameters:



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

Sum of residuals squared: 306797.732

Standard deviation: 31.61236

R^2 : 0.97800

Parameters:

a = 115.81562

b = 1813.90567

c = 48.05639

d = 0.60637

Bead 2150

Date : Mon Oct 17 13:29:26 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

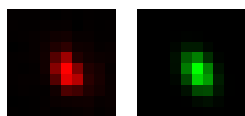
Coordinates : 116 μm (x), -79.3 μm (y), 47.7 μm (z)

Corresponding bead : Not found

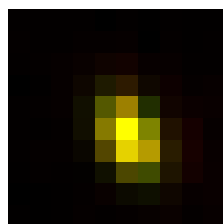
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	425 nm	223 nm
max	619 nm	640 nm	223 nm
z	1.3 μm	1.3 μm	885 nm
Asymmetry	0.665		
Theta	-62.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.980$



Parameters:

A = 1250.223 (brightness)

B = 122.528 (background)

a = 0.700 px

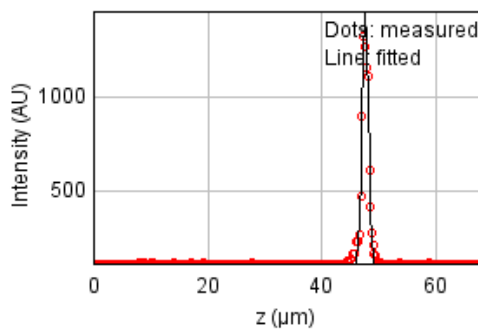
b = -0.180 px

c = 0.443 px

xc = 5.109 px

yc = 5.322 px

Z profile & fitting parameters:



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

Sum of residuals squared: 182160.119

Standard deviation: 24.35889

R^2 : 0.97759

Parameters:

a = 112.50873

b = 1470.02728

c = 47.65114

d = 0.55118

Bead 2151

Date : Mon Oct 17 13:29:26 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

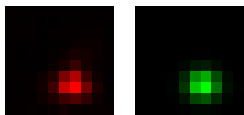
Coordinates : -149 μm (x), -82.9 μm (y), 47.9 μm (z)

Corresponding bead : Not found

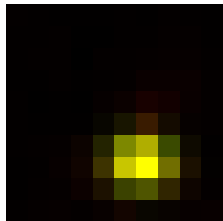
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	440 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.44 μm	1.44 μm	885 nm
Asymmetry	0.861		
Theta	-1.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

A = 1343.068 (brightness)

B = 120.688 (background)

a = 0.550 px

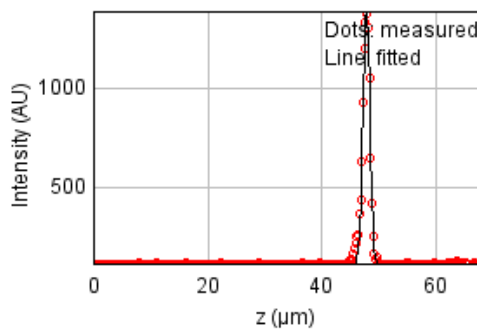
b = -0.005 px

c = 0.741 px

$x_c = 5.729$ px

$y_c = 6.759$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 82050.1560

Standard deviation: 16.34822

R^2 : 0.98965

Parameters:

a = 113.92580

b = 1398.23610

c = 47.86624

d = 0.60977

Bead 2152

Date : Mon Oct 17 13:29:26 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

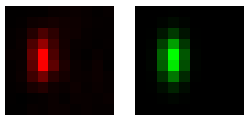
Coordinates : -17.8 μm (x), 68.3 μm (y), 47.8 μm (z)

Corresponding bead : Not found

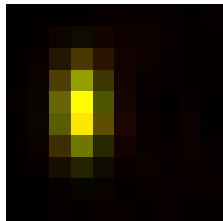
FWHM	Non corrected	Corrected	Theoretical
min	365 nm	377 nm	223 nm
max	683 nm	706 nm	223 nm
z	1.06 μm	1.06 μm	885 nm
Asymmetry	0.534		
Theta	90.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.980$



Parameters:

A = 1344.093 (brightness)

B = 146.868 (background)

a = 1.007 px

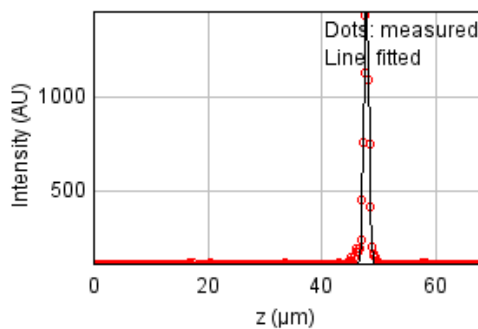
b = 0.000 px

c = 0.287 px

xc = 2.960 px

yc = 4.328 px

Z profile & fitting parameters:



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

Sum of residuals squared: 50165.4079

Standard deviation: 12.78301

R^2 : 0.99251

Parameters:

a = 114.99710

b = 1488.40933

c = 47.84466

d = 0.44822

Bead 2153

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

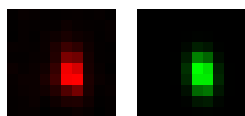
Coordinates : -97.1 μm (x), 44.6 μm (y), 47.7 μm (z)

Corresponding bead : Not found

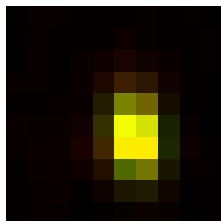
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	396 nm	223 nm
max	604 nm	624 nm	223 nm
z	1.42 μm	1.42 μm	885 nm
Asymmetry	0.635		
Theta	-83.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.978$



Parameters:

A = 1128.165 (brightness)

B = 126.012 (background)

a = 0.905 px

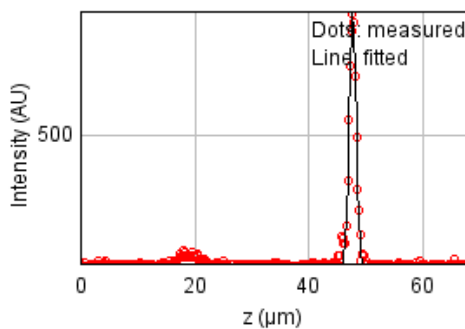
b = -0.062 px

c = 0.375 px

xc = 5.461 px

yc = 5.476 px

Z profile & fitting parameters:



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

Sum of residuals squared: 49245.9964

Standard deviation: 12.66532

R^2 : 0.98154

Parameters:

a = 117.16097

b = 863.93250

c = 47.72754

d = 0.60180

Bead 2154

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

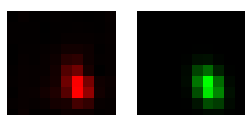
Coordinates : -93.5 μm (x), 5.41 μm (y), 47.8 μm (z)

Corresponding bead : Not found

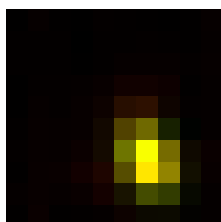
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	555 nm	574 nm	223 nm
z	1.52 μm	1.53 μm	885 nm
Asymmetry	0.701		
Theta	-68.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.976$



Parameters:

A = 1194.185 (brightness)

B = 125.389 (background)

a = 0.824 px

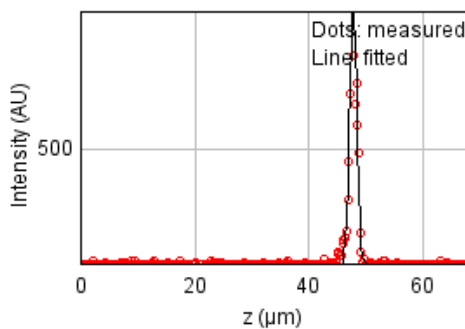
b = -0.156 px

c = 0.499 px

$x_c = 6.050$ px

$y_c = 6.408$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 237455.159

Standard deviation: 27.81132

R^2 : 0.93946

Parameters:

a = 113.39443

b = 969.72849

c = 47.82960

d = 0.64555

Bead 2155

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

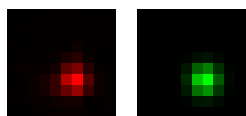
Coordinates : -72.0 μm (x), -10.4 μm (y), 47.9 μm (z)

Corresponding bead : Not found

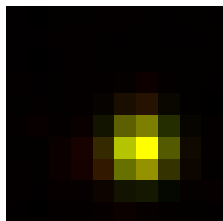
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	462 nm	477 nm	223 nm
z	1.26 μm	1.27 μm	885 nm
Asymmetry	0.982		
Theta	80.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

A = 1199.202 (brightness)

B = 120.460 (background)

a = 0.653 px

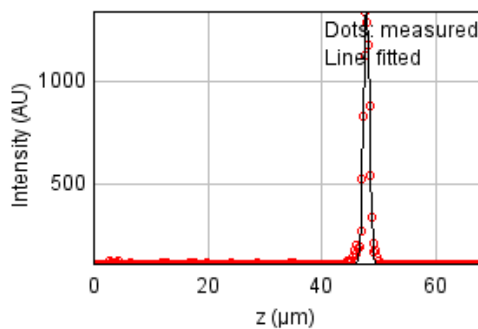
b = 0.004 px

c = 0.631 px

$x_c = 5.702$ px

$y_c = 6.059$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 44981.7931

Standard deviation: 12.10457

R^2 : 0.99311

Parameters:

a = 115.59530

b = 1358.50152

c = 47.86698

d = 0.53573

Bead 2156

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

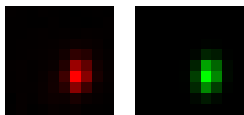
Coordinates : -138 μm (x), -27.5 μm (y), 48.1 μm (z)

Corresponding bead : Not found

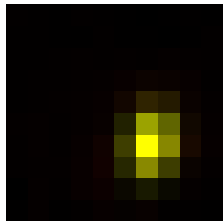
FWHM	Non corrected	Corrected	Theoretical
min	359 nm	371 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.14 μm	1.15 μm	885 nm
Asymmetry	0.709		
Theta	80.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.991$



Parameters:

A = 1789.548 (brightness)

B = 130.755 (background)

a = 1.030 px

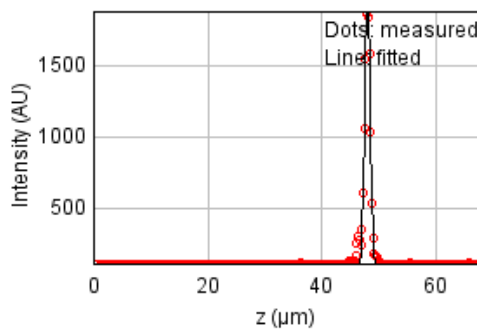
b = 0.083 px

c = 0.539 px

xc = 6.199 px

yc = 5.889 px

Z profile & fitting parameters:



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

Sum of residuals squared: 125744.634

Standard deviation: 20.23837

R^2 : 0.99001

Parameters:

a = 113.86947

b = 1923.33727

c = 48.06231

d = 0.48462

Bead 2157

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

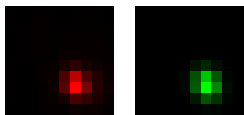
Coordinates : 126 μm (x), -33.6 μm (y), 47.9 μm (z)

Corresponding bead : Not found

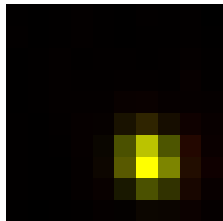
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	447 nm	463 nm	223 nm
z	1.26 μm	1.26 μm	885 nm
Asymmetry	0.866		
Theta	-64.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

A = 1339.075 (brightness)

B = 121.559 (background)

a = 0.852 px

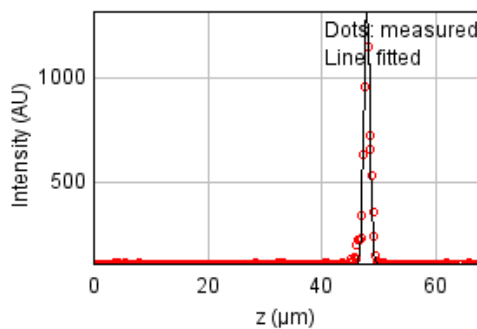
b = -0.087 px

c = 0.712 px

$x_c = 6.087$ px

$y_c = 6.701$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 167037.247

Standard deviation: 23.32585

R^2 : 0.97330

Parameters:

a = 112.36762

b = 1320.26070

c = 47.94097

d = 0.53296

Bead 2158

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

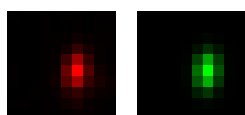
Coordinates : -15.9 μm (x), -52.8 μm (y), 47.7 μm (z)

Corresponding bead : Not found

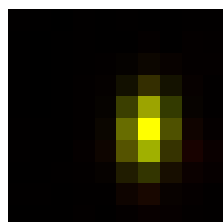
FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	575 nm	594 nm	223 nm
z	1.09 μm	1.1 μm	885 nm
Asymmetry	0.637		
Theta	85.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.989$



Parameters:

A = 1884.589 (brightness)

B = 129.007 (background)

a = 0.998 px

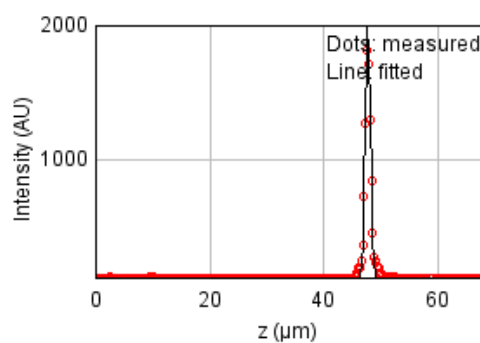
b = 0.050 px

c = 0.411 px

$x_c = 5.924$ px

$y_c = 5.051$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 101292.441

Standard deviation: 18.16433

R^2 : 0.99224

Parameters:

a = 117.31838

b = 2003.01701

c = 47.74941

d = 0.46329

Bead 2159

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

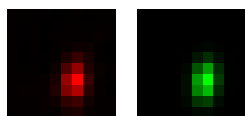
Coordinates : -72.9 μm (x), -75.5 μm (y), 47.4 μm (z)

Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	380 nm	223 nm
max	592 nm	612 nm	223 nm
z	1.13 μm	1.14 μm	885 nm
Asymmetry	0.621		
Theta	83.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.991$



Parameters:

A = 1458.040 (brightness)

B = 124.321 (background)

a = 0.986 px

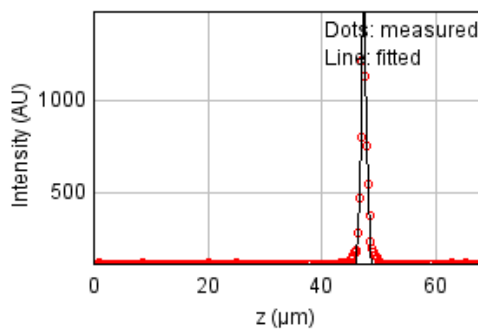
b = 0.071 px

c = 0.392 px

$x_c = 5.742$ px

$y_c = 6.152$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 82393.7552

Standard deviation: 16.38242

R^2 : 0.98901

Parameters:

a = 115.83735

b = 1516.79392

c = 47.40702

d = 0.48121

Bead 2160

Date : Mon Oct 17 13:29:27 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

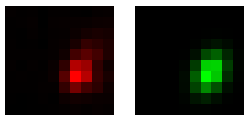
Coordinates : 126 μm (x), 68.1 μm (y), 48.3 μm (z)

Corresponding bead : Not found

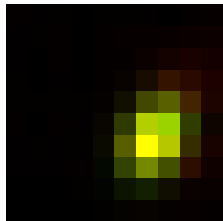
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	616 nm	636 nm	223 nm
z	1.62 μm	1.62 μm	885 nm
Asymmetry	0.714		
Theta	63.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1021.564 (brightness)

B = 124.848 (background)

a = 0.626 px

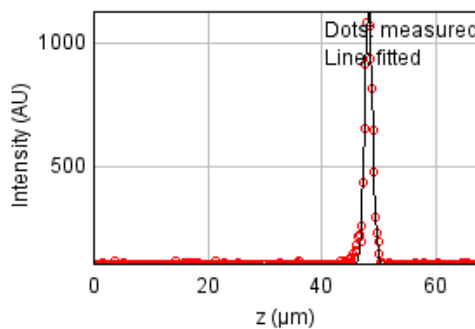
b = 0.136 px

c = 0.422 px

$x_c = 6.379$ px

$y_c = 5.629$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 60683.9475

Standard deviation: 14.05943

R^2 : 0.98921

Parameters:

a = 111.39426

b = 1132.37799

c = 48.26554

d = 0.68690

Bead 2161

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

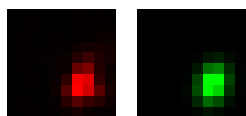
Coordinates : 4.06 μm (x), 55.8 μm (y), 48.6 μm (z)

Corresponding bead : Not found

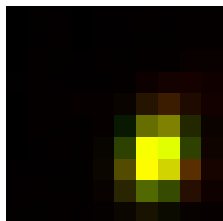
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	449 nm	223 nm
max	573 nm	593 nm	223 nm
z	1.53 μm	1.54 μm	885 nm
Asymmetry	0.758		
Theta	73.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.968$



Parameters:

A = 1774.340 (brightness)

B = 128.971 (background)

a = 0.686 px

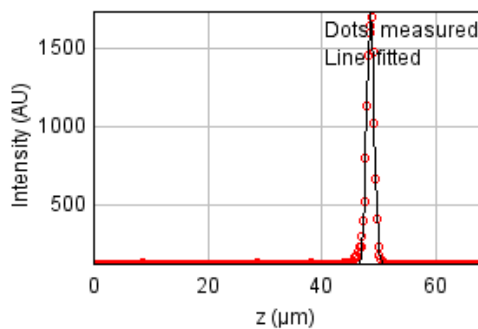
b = 0.082 px

c = 0.433 px

xc = 6.451 px

yc = 6.392 px

Z profile & fitting parameters:



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

Sum of residuals squared: 103565.705

Standard deviation: 18.36702

R^2 : 0.99234

Parameters:

a = 114.26871

b = 1740.85016

c = 48.58609

d = 0.65150

Bead 2162 (Rejected)

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 124 μm (x), 53.6 μm (y), 47.4 μm (z)

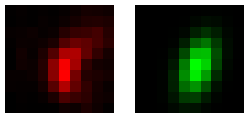
Corresponding bead : Not found

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

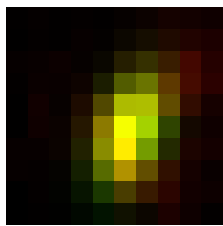
FWHM	Non corrected	Corrected	Theoretical
min	517 nm	534 nm	223 nm
max	917 nm	948 nm	223 nm
z	1.31 μm	1.31 μm	885 nm
Asymmetry	0.563		
Theta	70.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 474.619 (brightness)

B = 127.654 (background)

a = 0.466 px

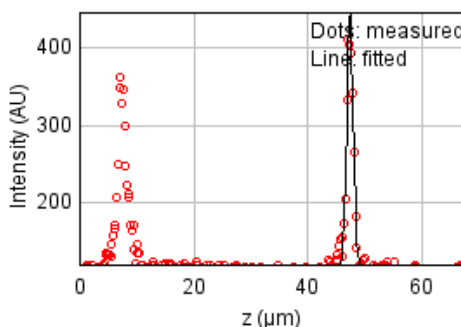
b = 0.107 px

c = 0.197 px

xc = 5.254 px

yc = 5.155 px

Z profile & fitting parameters:



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

Sum of residuals squared: 360915.055

Standard deviation: 34.28730

R^2 : 0.56392

Parameters:

a = 120.17738

b = 447.89111

c = 47.43589

d = 0.55555

Bead 2163

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

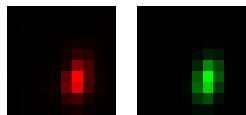
Coordinates : -24.0 μm (x), 43.3 μm (y), 48.2 μm (z)

Corresponding bead : Not found

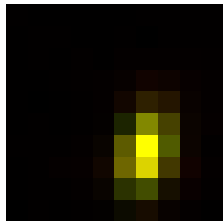
FWHM	Non corrected	Corrected	Theoretical
min	355 nm	366 nm	223 nm
max	597 nm	617 nm	223 nm
z	1.04 μm	1.05 μm	885 nm
Asymmetry	0.594		
Theta	77.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

A = 2001.683 (brightness)

B = 128.152 (background)

a = 1.033 px

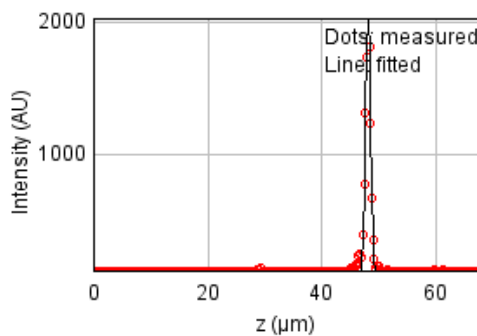
b = 0.151 px

c = 0.411 px

$x_c = 5.958$ px

$y_c = 6.284$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 87586.9739

Standard deviation: 16.89081

R^2 : 0.99310

Parameters:

a = 116.47881

b = 2020.42951

c = 48.16930

d = 0.44210

Bead 2164

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

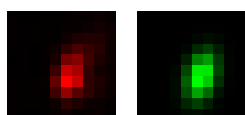
Coordinates : 107 μm (x), 39.5 μm (y), 47.9 μm (z)

Corresponding bead : Not found

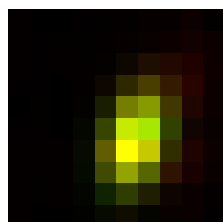
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	756 nm	782 nm	223 nm
z	1.54 μm	1.54 μm	885 nm
Asymmetry	0.599		
Theta	74.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 900.319 (brightness)

B = 125.993 (background)

a = 0.623 px

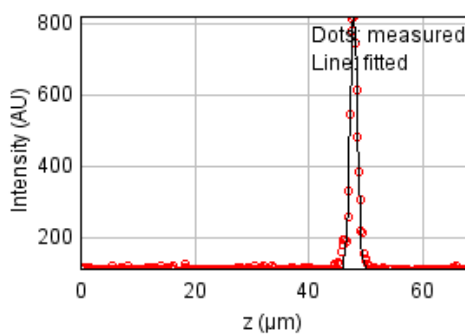
b = 0.111 px

c = 0.267 px

xc = 5.397 px

yc = 5.496 px

Z profile & fitting parameters:



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

Sum of residuals squared: 52716.5032

Standard deviation: 13.10401

R^2 : 0.97970

Parameters:

a = 112.23156

b = 820.49621

c = 47.92613

d = 0.65190

Bead 2165

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

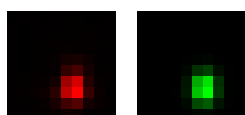
Coordinates : -47.6 μm (x), 37.5 μm (y), 48.4 μm (z)

Corresponding bead : Not found

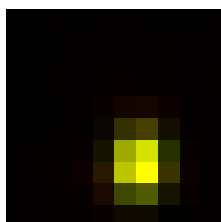
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.25 μm	1.26 μm	885 nm
Asymmetry	0.793		
Theta	88.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.990$



Parameters:

A = 2153.169 (brightness)

B = 124.429 (background)

a = 0.919 px

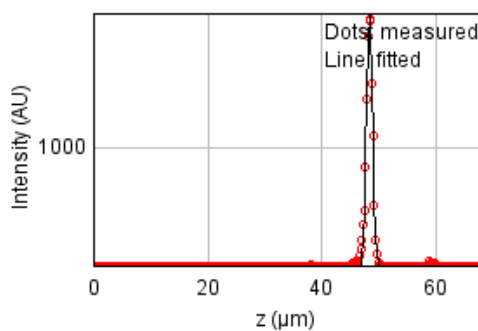
b = 0.008 px

c = 0.578 px

$x_c = 5.650$ px

$y_c = 6.612$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 95240.0709

Standard deviation: 17.61330

R^2 : 0.99355

Parameters:

a = 115.99944

b = 1994.19085

c = 48.42811

d = 0.53100

Bead 2166

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

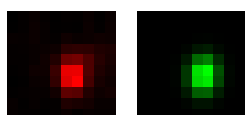
Coordinates : 156 um (x), 27.6 um (y), 47.9 um (z)

Corresponding bead : Not found

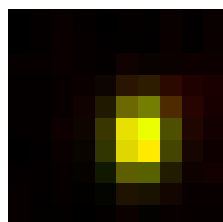
FWHM	Non corrected	Corrected	Theoretical
min	456 nm	471 nm	223 nm
max	582 nm	602 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.783		
Theta	84.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 735.044 (brightness)

B = 120.861 (background)

a = 0.644 px

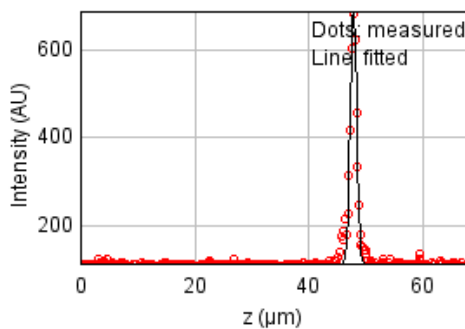
b = 0.023 px

c = 0.398 px

xc = 5.589 px

yc = 5.414 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40186.8588

Standard deviation: 11.44123

R^2 : 0.97398

Parameters:

a = 111.70000

b = 695.18075

c = 47.86629

d = 0.56504

Bead 2167

Date : Mon Oct 17 13:29:28 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

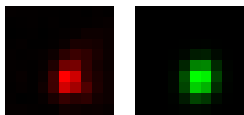
Coordinates : 79.7 μm (x), 25.9 μm (y), 48.6 μm (z)

Corresponding bead : Not found

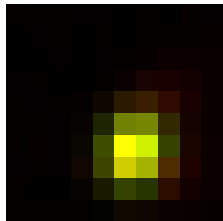
FWHM	Non corrected	Corrected	Theoretical
min	460 nm	476 nm	223 nm
max	555 nm	574 nm	223 nm
z	1.56 μm	1.57 μm	885 nm
Asymmetry	0.829		
Theta	77.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1049.485$ (brightness)

$B = 129.205$ (background)

$a = 0.624$ px

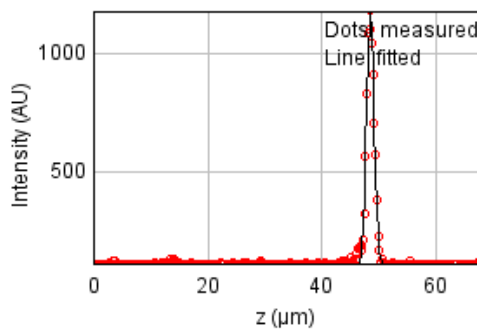
$b = 0.043$ px

$c = 0.446$ px

$x_c = 5.439$ px

$y_c = 6.218$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 67164.3978

Standard deviation: 14.79110

$R^2: 0.98870$

Parameters:

$a = 114.15032$

$b = 1182.24064$

$c = 48.57467$

$d = 0.66237$

Bead 2168 (Rejected)

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 15.2 um (x), 17.2 um (y), 62.8 um (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

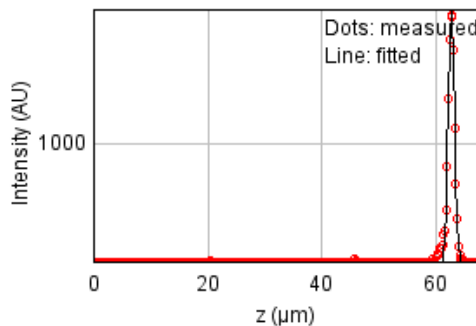
XY profile & fitting parameters :

(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: 97852.1813

Standard deviation: 17.85320

R²: 0.99366

Parameters:

a = 116.28901

b = 2013.34028

c = 62.77110

d = 0.54468

Bead 2169

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

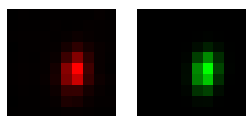
Coordinates : -30.2 μm (x), 9.63 μm (y), 48.4 μm (z)

Corresponding bead : Not found

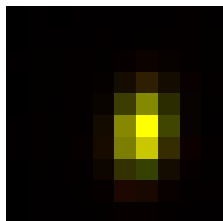
FWHM	Non corrected	Corrected	Theoretical
min	369 nm	381 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.03 μm	1.03 μm	885 nm
Asymmetry	0.652		
Theta	80.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.991$



Parameters:

A = 2528.844 (brightness)

B = 136.813 (background)

a = 0.974 px

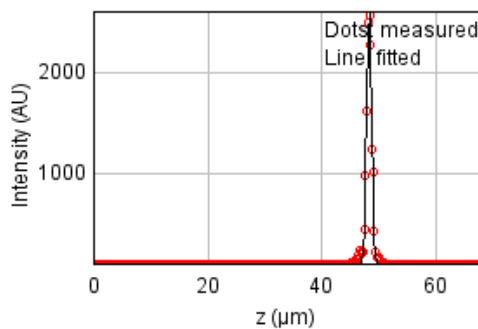
b = 0.088 px

c = 0.434 px

$x_c = 5.803$ px

$y_c = 5.249$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 224938.511

Standard deviation: 27.06841

R^2 : 0.98950

Parameters:

a = 116.36853

b = 2599.75888

c = 48.36786

d = 0.43659

Bead 2170

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

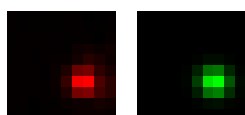
Coordinates : 74.1 μm (x), 7.7 μm (y), 48.5 μm (z)

Corresponding bead : Not found

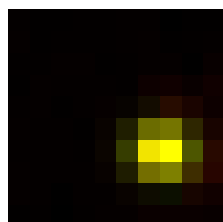
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	441 nm	223 nm
max	472 nm	488 nm	223 nm
z	1.17 μm	1.17 μm	885 nm
Asymmetry	0.902		
Theta	-7.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1170.466$ (brightness)

$B = 125.458$ (background)

$a = 0.604$ px

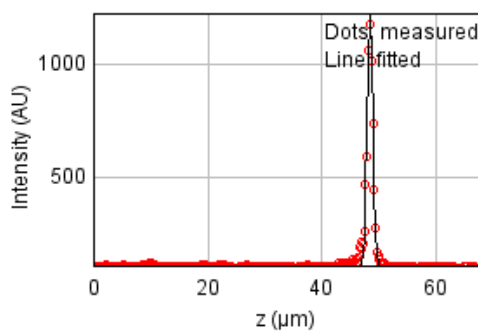
$b = -0.018$ px

$c = 0.737$ px

$x_c = 6.596$ px

$y_c = 6.021$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 69586.5772

Standard deviation: 15.05544

$R^2: 0.98609$

Parameters:

$a = 116.16874$

$b = 1241.65198$

$c = 48.51762$

$d = 0.49628$

Bead 2171 (Rejected)

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 158 um (x), -5.38 um (y), 46.6 um (z)

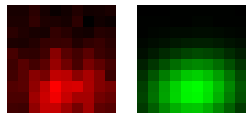
Corresponding bead : Not found

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

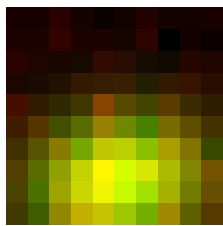
FWHM	Non corrected	Corrected	Theoretical
min	1.11 um	1.15 um	223 nm
max	1.49 um	1.54 um	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.747		
Theta	8.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.912$



Parameters:

A = 108.131 (brightness)

B = 109.320 (background)

a = 0.062 px

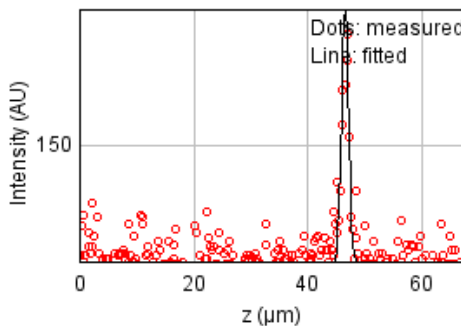
b = 0.007 px

c = 0.108 px

xc = 4.702 px

yc = 7.446 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15501.6549

Standard deviation: 7.10591

R^2 : 0.69127

Parameters:

a = 110.61228

b = 196.05425

c = 46.58463

d = 0.60957

Bead 2172

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

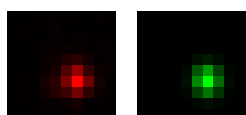
Coordinates : -118 μm (x), -12.3 μm (y), 47.9 μm (z)

Corresponding bead : Not found

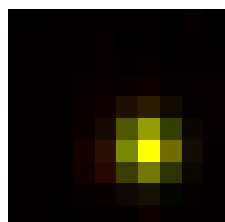
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	436 nm	223 nm
max	458 nm	474 nm	223 nm
z	1.24 μm	1.25 μm	885 nm
Asymmetry	0.921		
Theta	-81.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.977$



Parameters:

A = 950.649 (brightness)

B = 121.121 (background)

a = 0.751 px

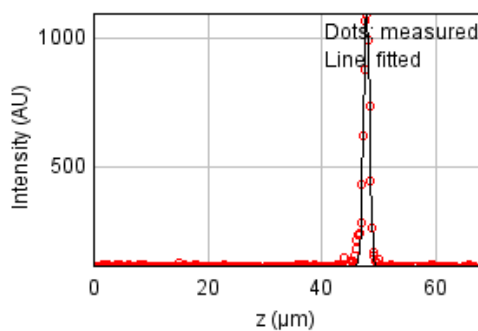
b = -0.017 px

c = 0.642 px

$x_c = 5.922$ px

$y_c = 5.890$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 55559.9594

Standard deviation: 13.45277

R^2 : 0.98644

Parameters:

a = 114.07994

b = 1103.66349

c = 47.87926

d = 0.52695

Bead 2173

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

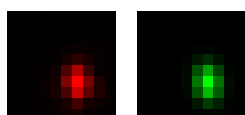
Coordinates : -37.4 μm (x), -29.9 μm (y), 48.2 μm (z)

Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	425 nm	223 nm
max	577 nm	597 nm	223 nm
z	1.28 μm	1.29 μm	885 nm
Asymmetry	0.713		
Theta	-84.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.989$



Parameters:

A = 1665.197 (brightness)

B = 121.418 (background)

a = 0.790 px

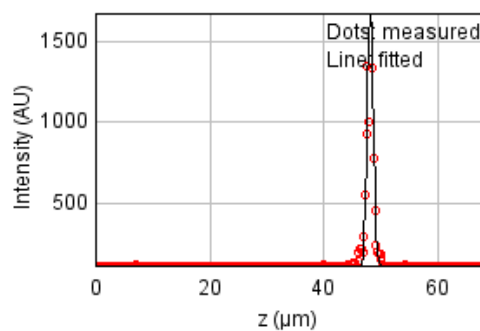
b = -0.038 px

c = 0.407 px

$x_c = 5.989$ px

$y_c = 6.094$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 470381.349

Standard deviation: 39.14316

R^2 : 0.95634

Parameters:

a = 114.88995

b = 1668.62394

c = 48.20625

d = 0.54533

Bead 2174

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

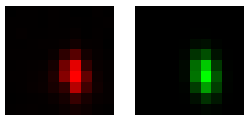
Coordinates : -43.6 μm (x), -36.0 μm (y), 48.2 μm (z)

Corresponding bead : Not found

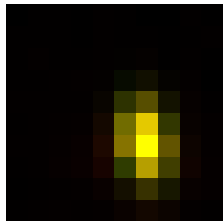
FWHM	Non corrected	Corrected	Theoretical
min	372 nm	384 nm	223 nm
max	625 nm	646 nm	223 nm
z	1.32 μm	1.32 μm	885 nm
Asymmetry	0.595		
Theta	-81.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.986$



Parameters:

A = 1799.048 (brightness)

B = 123.672 (background)

a = 0.959 px

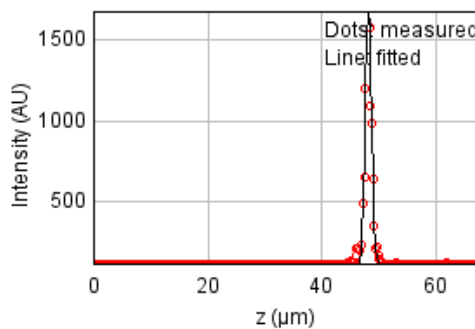
b = -0.088 px

c = 0.356 px

$x_c = 5.901$ px

$y_c = 5.811$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 486618.981

Standard deviation: 39.81304

R^2 : 0.95655

Parameters:

a = 114.85147

b = 1680.30887

c = 48.22321

d = 0.55895

Bead 2175

Date : Mon Oct 17 13:29:29 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

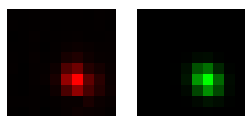
Coordinates : 109 μm (x), -45.1 μm (y), 48.3 μm (z)

Corresponding bead : Not found

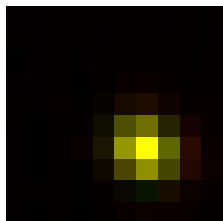
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	468 nm	483 nm	223 nm
z	1.18 μm	1.19 μm	885 nm
Asymmetry	0.871		
Theta	-45.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.979$



Parameters:

$A = 1707.588$ (brightness)

$B = 126.363$ (background)

$a = 0.714$ px

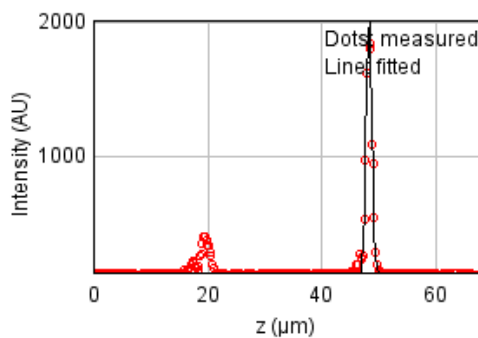
$b = -0.097$ px

$c = 0.709$ px

$x_c = 5.878$ px

$y_c = 6.072$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 740284.510

Standard deviation: 49.10550

$R^2: 0.95042$

Parameters:

$a = 124.82421$

$b = 2023.59505$

$c = 48.34164$

$d = 0.50176$

Bead 2176

Date : Mon Oct 17 13:29:30 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

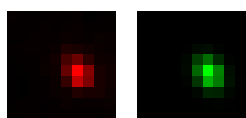
Coordinates : 158 um (x), -55.5 um (y), 47.9 um (z)

Corresponding bead : Not found

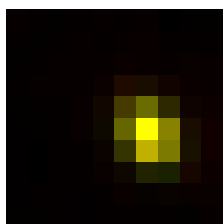
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	504 nm	521 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.771		
Theta	-59.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

A = 1007.727 (brightness)

B = 117.626 (background)

a = 0.797 px

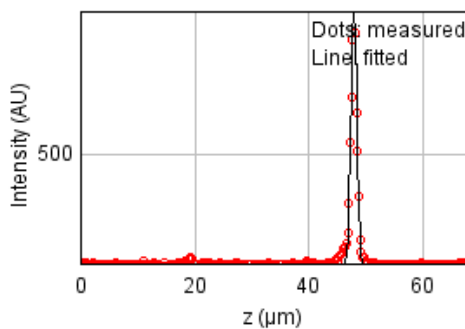
b = -0.157 px

c = 0.619 px

xc = 6.119 px

yc = 5.229 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44161.3797

Standard deviation: 11.99367

R^2 : 0.98651

Parameters:

a = 112.55911

b = 999.12765

c = 47.94867

d = 0.52427

Bead 2177

Date : Mon Oct 17 13:29:30 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

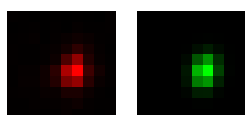
Coordinates : -91.8 μm (x), -71.5 μm (y), 48.2 μm (z)

Corresponding bead : Not found

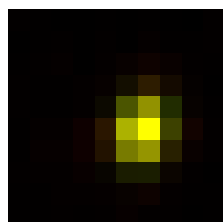
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	402 nm	223 nm
max	504 nm	521 nm	223 nm
z	1.22 μm	1.22 μm	885 nm
Asymmetry	0.771		
Theta	75.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.987$



Parameters:

A = 1867.410 (brightness)

B = 130.944 (background)

a = 0.868 px

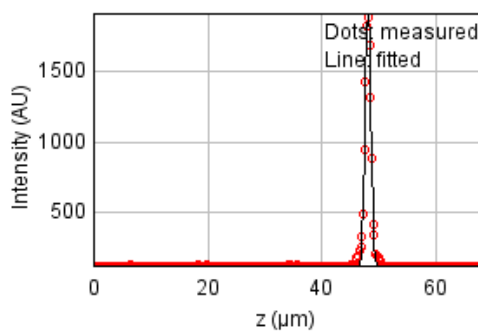
b = 0.086 px

c = 0.551 px

$x_c = 5.705$ px

$y_c = 5.056$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 75826.2928

Standard deviation: 15.71595

R^2 : 0.99426

Parameters:

a = 116.25290

b = 1917.57569

c = 48.15386

d = 0.51672

Bead 2178 (Rejected)

Date : Mon Oct 17 13:29:30 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 145 μm (x), -72.2 μm (y), 62.2 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.5 μm	1.51 μm	885 nm
Asymmetry	0.0		
Theta	0.0°		

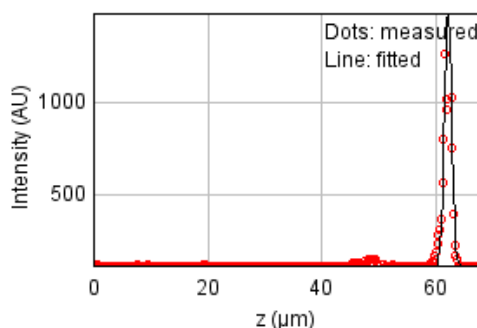
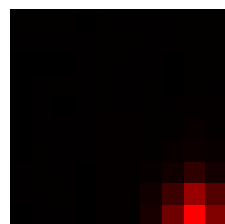
XY profile & fitting parameters :

(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: 738085.046

Standard deviation: 49.03250

R²: 0.92774

Parameters:

a = 115.03680

b = 1497.10047

c = 62.16565

d = 0.63699

Bead 2179

Date : Mon Oct 17 13:29:30 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

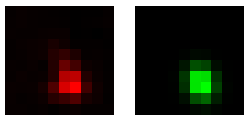
Coordinates : -122 μm (x), 90.1 μm (y), 48.1 μm (z)

Corresponding bead : Not found

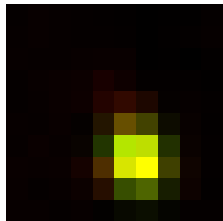
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	512 nm	529 nm	223 nm
z	1.62 μm	1.62 μm	885 nm
Asymmetry	0.814		
Theta	-72.8°		

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:

$A = 996.864$ (brightness)

$B = 127.205$ (background)

$a = 0.749$ px

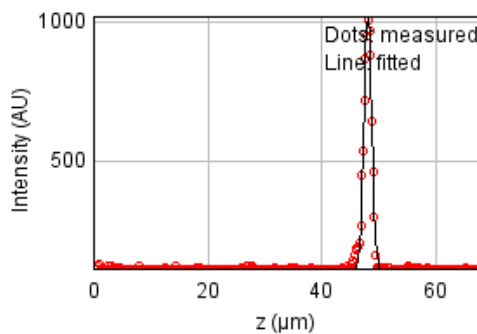
$b = -0.074$ px

$c = 0.535$ px

$x_c = 5.531$ px

$y_c = 6.569$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 41852.2964

Standard deviation: 11.67590

$R^2: 0.99059$

Parameters:

$a = 113.39693$

$b = 1021.63885$

$c = 48.12428$

$d = 0.68733$

Bead 2180 (Rejected)

Date : Mon Oct 17 13:29:30 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : -14.2 μm (x), 85.0 μm (y), 62.1 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	67.7 nm	70.0 nm	223 nm
max	174 nm	180 nm	223 nm
z	1.56 μm	1.56 μm	885 nm
Asymmetry	0.389		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.001$



Parameters:

A = -28.092 (brightness)

B = 192.740 (background)

a = 3.449 px

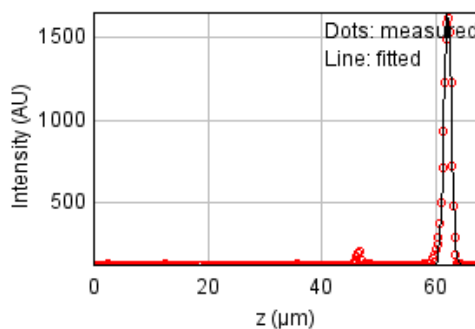
b = 14.268 px

c = 21.389 px

xc = 8.648 px

yc = 15.413 px

Z profile & fitting parameters:



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

Sum of residuals squared: 138638.813

Standard deviation: 21.25070

R^2 : 0.98879

Parameters:

a = 116.20597

b = 1657.70631

c = 62.09288

d = 0.66157

Bead 2181

Date : Mon Oct 17 13:29:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

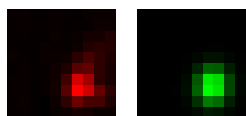
Coordinates : 71.8 μm (x), 63.9 μm (y), 48.7 μm (z)

Corresponding bead : Not found

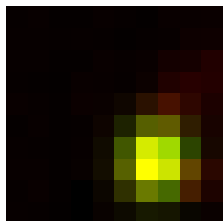
FWHM	Non corrected	Corrected	Theoretical
min	497 nm	514 nm	223 nm
max	573 nm	592 nm	223 nm
z	1.7 μm	1.71 μm	885 nm
Asymmetry	0.868		
Theta	82.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 975.557$ (brightness)

$B = 129.958$ (background)

$a = 0.541$ px

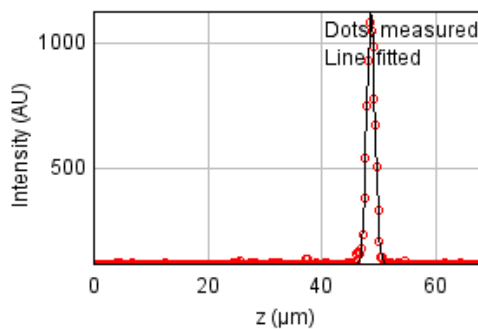
$b = 0.018$ px

$c = 0.412$ px

$x_c = 6.406$ px

$y_c = 6.583$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37096.5373

Standard deviation: 10.99253

$R^2: 0.99361$

Parameters:

$a = 113.46143$

$b = 1129.19849$

$c = 48.66606$

$d = 0.72149$

Bead 2182

Date : Mon Oct 17 13:29:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

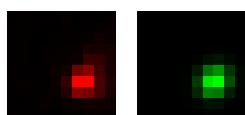
Coordinates : 120 µm (x), 42.7 µm (y), 48.6 µm (z)

Corresponding bead : Not found

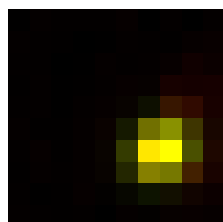
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	444 nm	223 nm
max	487 nm	504 nm	223 nm
z	1.22 µm	1.22 µm	885 nm
Asymmetry	0.882		
Theta	39.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1215.408 (brightness)

B = 126.488 (background)

a = 0.632 px

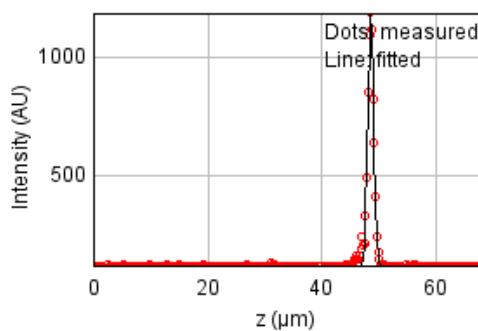
b = 0.079 px

c = 0.660 px

xc = 6.582 px

yc = 5.978 px

Z profile & fitting parameters:



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

Sum of residuals squared: 54797.7689

Standard deviation: 13.36018

R^2 : 0.98837

Parameters:

a = 113.64623

b = 1184.45696

c = 48.64573

d = 0.51801

Bead 2183

Date : Mon Oct 17 13:29:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

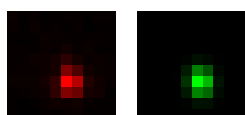
Coordinates : -146 μm (x), 34.5 μm (y), 48.1 μm (z)

Corresponding bead : Not found

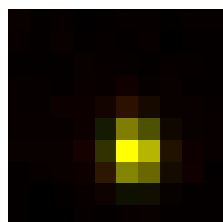
FWHM	Non corrected	Corrected	Theoretical
min	368 nm	380 nm	223 nm
max	444 nm	459 nm	223 nm
z	1.11 μm	1.11 μm	885 nm
Asymmetry	0.827		
Theta	-81.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.983$



Parameters:

A = 854.362 (brightness)

B = 117.724 (background)

a = 0.987 px

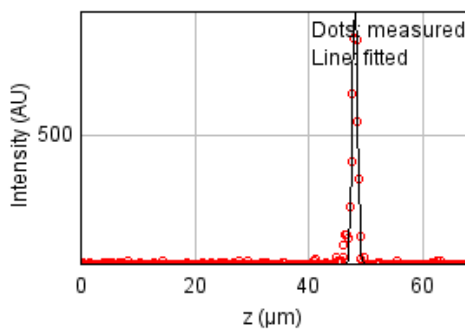
b = -0.044 px

c = 0.686 px

xc = 5.330 px

yc = 6.039 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40288.0474

Standard deviation: 11.45563

R^2 : 0.98172

Parameters:

a = 111.39854

b = 875.76945

c = 48.13922

d = 0.47138

Bead 2184

Date : Mon Oct 17 13:29:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

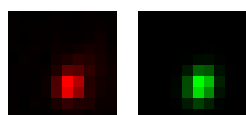
Coordinates : 131 μm (x), 23.7 μm (y), 48.4 μm (z)

Corresponding bead : Not found

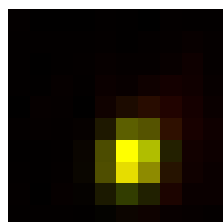
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	500 nm	517 nm	223 nm
z	1.42 μm	1.43 μm	885 nm
Asymmetry	0.828		
Theta	68.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.972$



Parameters:

$A = 1045.274$ (brightness)

$B = 126.832$ (background)

$a = 0.751$ px

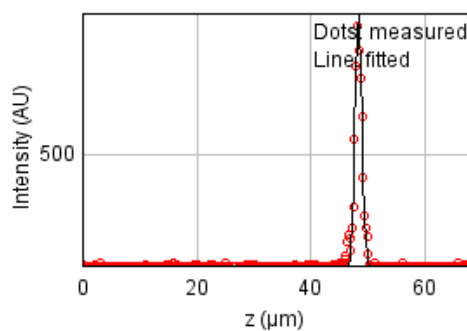
$b = 0.085$ px

$c = 0.571$ px

$x_c = 5.266$ px

$y_c = 6.331$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 66220.4888

Standard deviation: 14.68679

$R^2: 0.98239$

Parameters:

$a = 112.03666$

$b = 998.21923$

$c = 48.42026$

$d = 0.60283$

Bead 2185

Date : Mon Oct 17 13:29:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

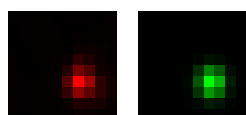
Coordinates : 10.6 μm (x), 7.46 μm (y), 48.3 μm (z)

Corresponding bead : Not found

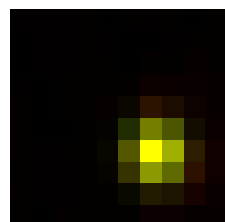
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	444 nm	223 nm
max	471 nm	487 nm	223 nm
z	1.3 μm	1.31 μm	885 nm
Asymmetry	0.911		
Theta	-86.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.976$



Parameters:

A = 1168.146 (brightness)

B = 122.562 (background)

a = 0.727 px

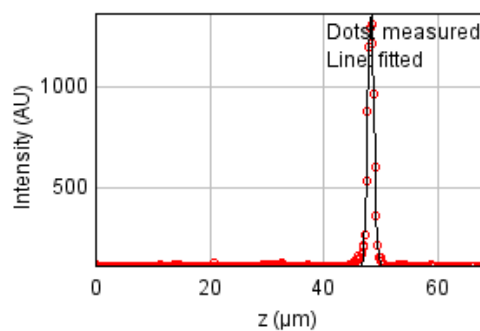
b = -0.008 px

c = 0.605 px

xc = 6.239 px

yc = 6.080 px

Z profile & fitting parameters:



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

Sum of residuals squared: 49762.1180

Standard deviation: 12.73152

R^2 : 0.99275

Parameters:

a = 114.68173

b = 1370.03061

c = 48.31519

d = 0.55233

Bead 2186

Date : Mon Oct 17 13:29:31 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

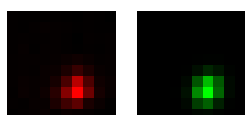
Coordinates : -133 μm (x), -605 nm (y), 48.4 μm (z)

Corresponding bead : Not found

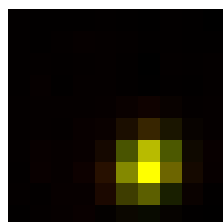
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	471 nm	486 nm	223 nm
z	1.15 μm	1.16 μm	885 nm
Asymmetry	0.859		
Theta	62.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.984$



Parameters:

$A = 1067.627$ (brightness)

$B = 119.178$ (background)

$a = 0.776$ px

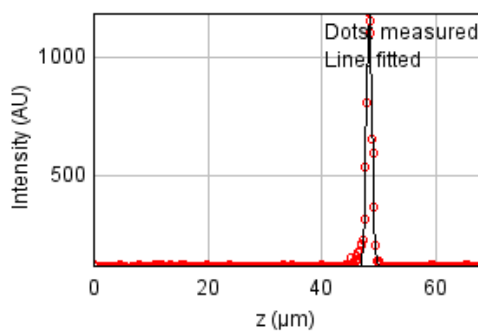
$b = 0.089$ px

$c = 0.652$ px

$x_c = 5.931$ px

$y_c = 6.748$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 85235.7769

Standard deviation: 16.66256

$R^2: 0.98120$

Parameters:

$a = 113.27949$

$b = 1188.50234$

$c = 48.37925$

$d = 0.49008$

Bead 2187 (Rejected)

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

Coordinates : 158 um (x), -5.83 um (y), 46.6 um (z)

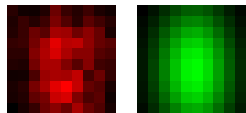
Corresponding bead : Not found

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

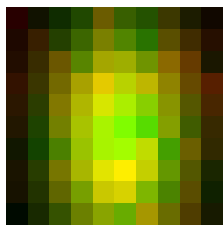
FWHM	Non corrected	Corrected	Theoretical
min	1.26 um	1.3 um	223 nm
max	2.13 um	2.2 um	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.59		
Theta	-89.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.770$



Parameters:

A = 107.002 (brightness)

B = 113.581 (background)

a = 0.085 px

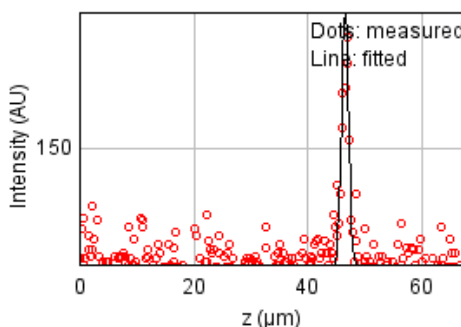
b = -0.001 px

c = 0.030 px

xc = 4.736 px

yc = 5.478 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15501.6549

Standard deviation: 7.10591

R^2 : 0.69127

Parameters:

a = 110.61228

b = 196.05425

c = 46.58463

d = 0.60957

Bead 2188

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

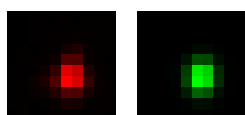
Coordinates : -44.1 μm (x), -16.0 μm (y), 48.4 μm (z)

Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	439 nm	223 nm
max	508 nm	525 nm	223 nm
z	1.21 μm	1.22 μm	885 nm
Asymmetry	0.835		
Theta	85.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

A = 1832.393 (brightness)

B = 127.290 (background)

a = 0.744 px

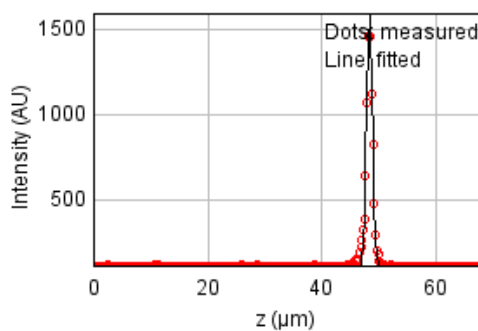
b = 0.018 px

c = 0.522 px

xc = 5.399 px

yc = 5.572 px

Z profile & fitting parameters:



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

Sum of residuals squared: 81031.2254

Standard deviation: 16.24640

R^2 : 0.99093

Parameters:

a = 115.33481

b = 1595.43381

c = 48.42628

d = 0.51535

Bead 2189

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

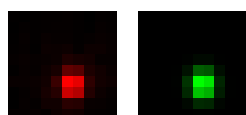
Coordinates : -145 μm (x), -21.0 μm (y), 48.1 μm (z)

Corresponding bead : Not found

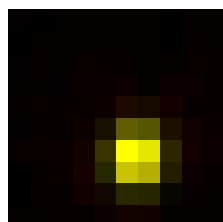
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	409 nm	223 nm
max	458 nm	473 nm	223 nm
z	1.36 μm	1.37 μm	885 nm
Asymmetry	0.864		
Theta	89.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

A = 961.064 (brightness)

B = 119.938 (background)

a = 0.858 px

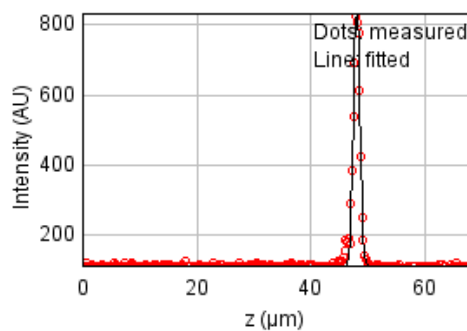
b = 0.004 px

c = 0.640 px

xc = 5.440 px

yc = 6.287 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32872.1286

Standard deviation: 10.34772

R^2 : 0.98645

Parameters:

a = 111.37825

b = 838.33978

c = 48.09678

d = 0.57957

Bead 2190

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

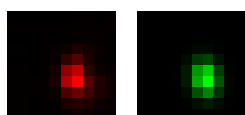
Coordinates : 17.1 μm (x), -39.5 μm (y), 48.7 μm (z)

Corresponding bead : Not found

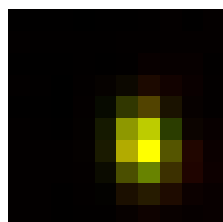
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	552 nm	571 nm	223 nm
z	1.12 μm	1.13 μm	885 nm
Asymmetry	0.762		
Theta	-80.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1736.289 (brightness)

B = 131.328 (background)

a = 0.751 px

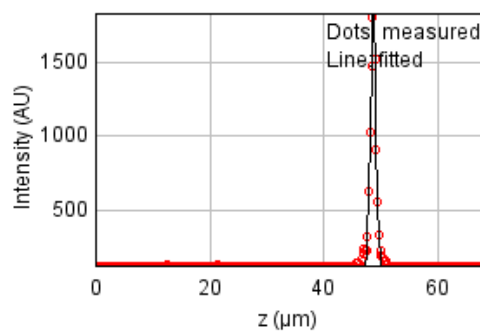
b = -0.051 px

c = 0.448 px

$x_c = 5.748$ px

$y_c = 5.722$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 77611.4648

Standard deviation: 15.89988

R^2 : 0.99335

Parameters:

a = 115.95166

b = 1876.33837

c = 48.72184

d = 0.47588

Bead 2191

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

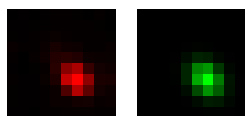
Coordinates : 163 μm (x), -45.1 μm (y), 48.9 μm (z)

Corresponding bead : Not found

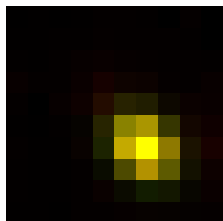
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	453 nm	223 nm
max	561 nm	579 nm	223 nm
z	1.48 μm	1.48 μm	885 nm
Asymmetry	0.782		
Theta	-48.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.981$



Parameters:

$A = 1191.888$ (brightness)

$B = 119.735$ (background)

$a = 0.579$ px

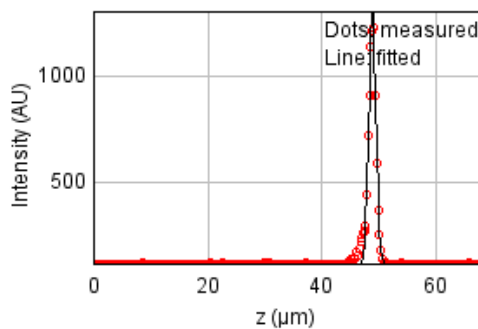
$b = -0.135$ px

$c = 0.546$ px

$x_c = 5.841$ px

$y_c = 5.950$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 217067.131

Standard deviation: 26.59058

$R^2: 0.97013$

Parameters:

$a = 111.55755$

$b = 1312.20285$

$c = 48.92667$

$d = 0.62758$

Bead 2192

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

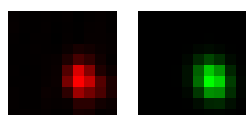
Coordinates : 31.1 μm (x), -51.7 μm (y), 48.4 μm (z)

Corresponding bead : Not found

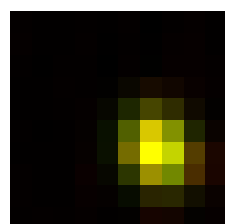
FWHM	Non corrected	Corrected	Theoretical
min	492 nm	508 nm	223 nm
max	594 nm	614 nm	223 nm
z	1.57 μm	1.57 μm	885 nm
Asymmetry	0.828		
Theta	-65.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.977$



Parameters:

A = 1162.889 (brightness)

B = 118.380 (background)

a = 0.526 px

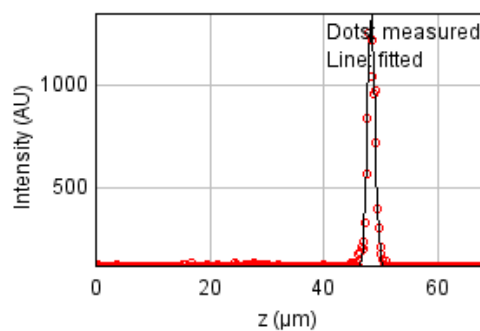
b = -0.065 px

c = 0.410 px

$x_c = 6.301$ px

$y_c = 5.851$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 286929.632

Standard deviation: 30.57162

R^2 : 0.96517

Parameters:

a = 114.33131

b = 1354.43484

c = 48.37607

d = 0.66492

Bead 2193

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

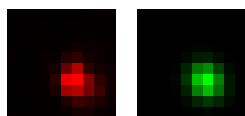
Coordinates : 71.9 μm (x), -59.9 μm (y), 48.5 μm (z)

Corresponding bead : Not found

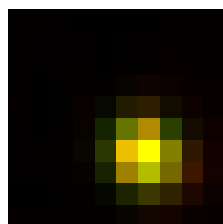
FWHM	Non corrected	Corrected	Theoretical
min	506 nm	523 nm	223 nm
max	564 nm	583 nm	223 nm
z	1.41 μm	1.42 μm	885 nm
Asymmetry	0.897		
Theta	-53.1°		

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 = 1306.220 (brightness)

B = 122.629 (background)

a = 0.487 px

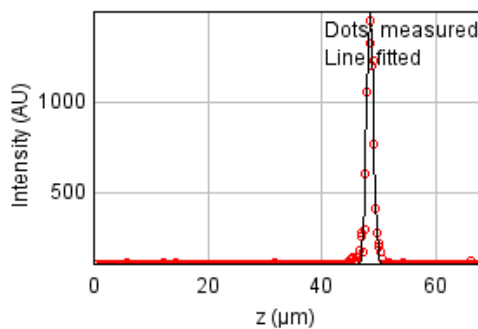
b = -0.049 px

c = 0.458 px

xc = 5.808 px

yc = 6.145 px

Z profile & fitting parameters:



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

Sum of residuals squared: 265994.938

Standard deviation: 29.43523

R^2 : 0.97166

Parameters:

a = 113.84197

b = 1510.55364

c = 48.52164

d = 0.59902

Bead 2194

Date : Mon Oct 17 13:29:32 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

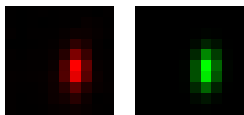
Coordinates : -55.2 μm (x), -92.3 μm (y), 48.2 μm (z)

Corresponding bead : Not found

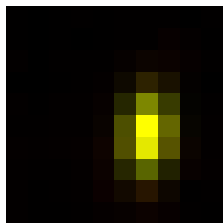
FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	607 nm	628 nm	223 nm
z	1.08 μm	1.08 μm	885 nm
Asymmetry	0.587		
Theta	85.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.992$



Parameters:

A = 1729.271 (brightness)

B = 127.742 (background)

a = 1.050 px

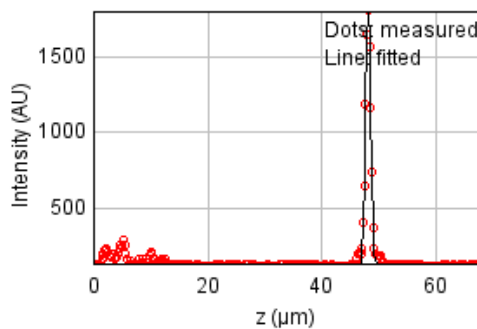
b = 0.051 px

c = 0.367 px

$x_c = 6.043$ px

$y_c = 5.360$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 304474.753

Standard deviation: 31.49245

R^2 : 0.97056

Parameters:

a = 127.40696

b = 1797.27145

c = 48.17877

d = 0.45778

Bead 2195

Date : Mon Oct 17 13:29:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

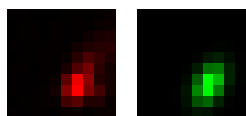
Coordinates : 121 μm (x), 95.8 μm (y), 48.9 μm (z)

Corresponding bead : Not found

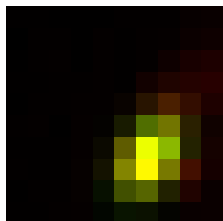
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	641 nm	662 nm	223 nm
z	1.52 μm	1.52 μm	885 nm
Asymmetry	0.645		
Theta	60.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.925$



Parameters:

$A = 1216.879$ (brightness)

$B = 134.005$ (background)

$a = 0.675$ px

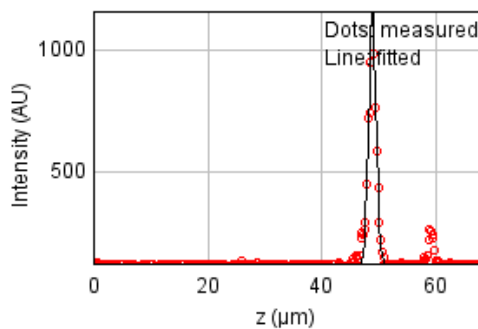
$b = 0.197$ px

$c = 0.438$ px

$x_c = 6.139$ px

$y_c = 6.406$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 208031.999

Standard deviation: 26.03130

$R^2: 0.96376$

Parameters:

$a = 116.35964$

$b = 1166.77801$

$c = 48.92622$

$d = 0.64414$

Bead 2196

Date : Mon Oct 17 13:29:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

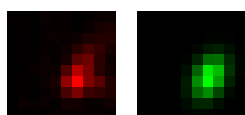
Coordinates : 97.1 μm (x), 94.3 μm (y), 48.9 μm (z)

Corresponding bead : Not found

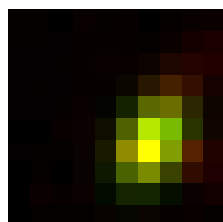
FWHM	Non corrected	Corrected	Theoretical
min	469 nm	485 nm	223 nm
max	686 nm	709 nm	223 nm
z	1.63 μm	1.64 μm	885 nm
Asymmetry	0.684		
Theta	62.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.906$



Parameters:

A = 588.903 (brightness)

B = 125.211 (background)

a = 0.542 px

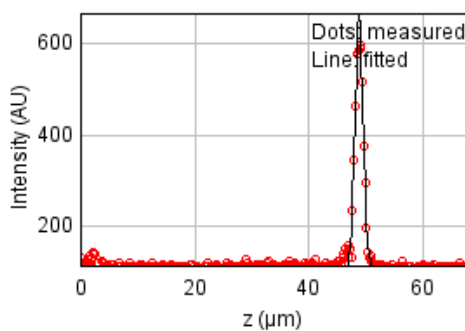
b = 0.132 px

c = 0.353 px

xc = 6.158 px

yc = 5.579 px

Z profile & fitting parameters:



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

Sum of residuals squared: 42102.5147

Standard deviation: 11.71075

R^2 : 0.97485

Parameters:

a = 113.94540

b = 664.40534

c = 48.87075

d = 0.69371

Bead 2197

Date : Mon Oct 17 13:29:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

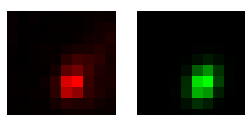
Coordinates : 133 μm (x), 66.4 μm (y), 48.5 μm (z)

Corresponding bead : Not found

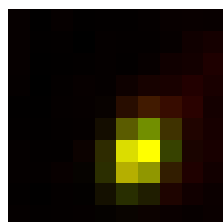
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.97 μm	1.98 μm	885 nm
Asymmetry	0.757		
Theta	61.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.937$



Parameters:

A = 752.255 (brightness)

B = 124.178 (background)

a = 0.749 px

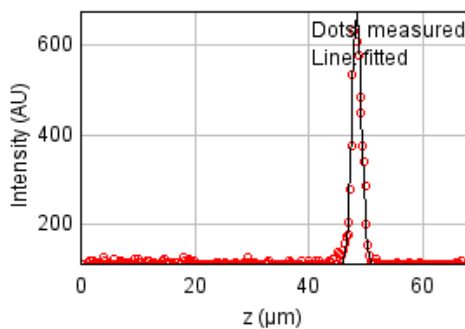
b = 0.148 px

c = 0.556 px

$x_c = 5.570$ px

$y_c = 6.139$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 44938.4314

Standard deviation: 12.09873

R^2 : 0.97855

Parameters:

a = 111.64783

b = 675.69378

c = 48.45243

d = 0.83660

Bead 2198

Date : Mon Oct 17 13:29:33 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

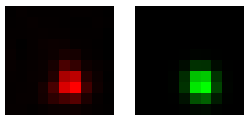
Coordinates : -119 μm (x), 46.7 μm (y), 48.6 μm (z)

Corresponding bead : Not found

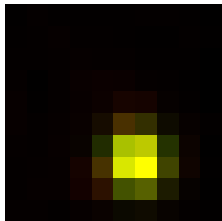
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	446 nm	223 nm
max	474 nm	490 nm	223 nm
z	1.43 μm	1.44 μm	885 nm
Asymmetry	0.909		
Theta	-75.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.978$



Parameters:

$A = 1231.620$ (brightness)

$B = 122.287$ (background)

$a = 0.715$ px

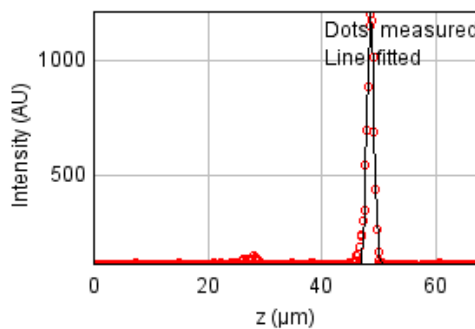
$b = -0.030$ px

$c = 0.604$ px

$x_c = 5.557$ 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: 79433.9998

Standard deviation: 16.08548

$R^2: 0.98620$

Parameters:

$a = 116.00428$

$b = 1209.11292$

$c = 48.60769$

$d = 0.60907$

Bead 2199

Date : Mon Oct 17 13:29:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

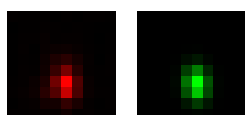
Coordinates : -80.8 μm (x), 45.3 μm (y), 48.6 μm (z)

Corresponding bead : Not found

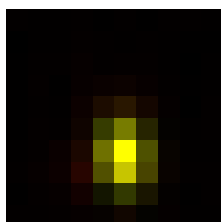
FWHM	Non corrected	Corrected	Theoretical
min	369 nm	382 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.14 μm	1.15 μm	885 nm
Asymmetry	0.705		
Theta	-85.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.981$



Parameters:

A = 1622.776 (brightness)

B = 130.421 (background)

a = 0.980 px

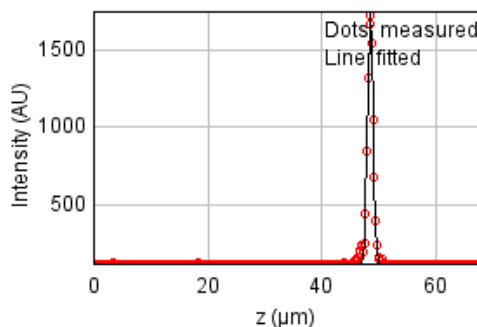
b = -0.042 px

c = 0.492 px

$x_c = 4.925$ px

$y_c = 6.227$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 63018.4848

Standard deviation: 14.32731

R^2 : 0.99386

Parameters:

a = 114.95136

b = 1751.37570

c = 48.56978

d = 0.48479

Bead 2200

Date : Mon Oct 17 13:29:34 PDT 2022

Origin : data_traditional.tif (Nikon 40x1.15 water)

Frame size : 10 pixels

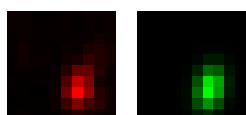
Coordinates : 102 μm (x), 45.2 μm (y), 48.6 μm (z)

Corresponding bead : Not found

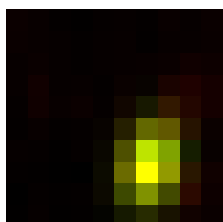
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	449 nm	223 nm
max	651 nm	673 nm	223 nm
z	1.64 μm	1.65 μm	885 nm
Asymmetry	0.667		
Theta	77.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 641.895 (brightness)

B = 124.329 (background)

a = 0.693 px

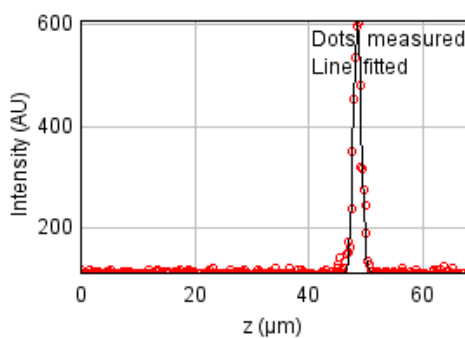
b = 0.087 px

c = 0.337 px

$x_c = 6.179$ px

$y_c = 6.623$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32084.3117

Standard deviation: 10.22297

R^2 : 0.97625

Parameters:

a = 112.83129

b = 606.93886

c = 48.57854

d = 0.69594